UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

EARTHQUAKE DATA REPORT

JUNE 1992

by

U.S. Geological Survey

NATIONAL EARTHQUAKE INFORMATION CENTER[1]

Open-File Report 92-606

1992

[1]USGS, Denver, Colorado

EDR No. 6-92
Part 1 of 2
P. 1-212

U. S. DEPARTMENT OF THE INTERIOR

Geological Survey

EARTHQUAKE DATA REPORT

The Earthquake Data Report (EDR) is a bulletin of all seismic phase and amplitude data which were associated with events published in the Preliminary Determination of Epicenters (PDE) Monthly Listing. It also contains information about the hypocentral computations (such as standard errors) that are not included in the PDE Monthly Listing. A machine-readable version of this EDR is available from the Books and Open-File Reports Section of the U.S. Geological Survey.

All data in the EDR are grouped by event, with events listed by origin time in date/time order through the month. All times are in Coordinated Universal Time (UTC). Locations are in decimal degrees of geographic latitude and longitude. Depths are in kilometers below the free surface. Hypocentral coordinates are determined by a modified Geiger's method and may be constrained by reported first arriving P-waves, Pdiff, and the DF branch of PKP. Data are corrected for station elevation and for the ellipticity of the Earth. Outliers may be truncated (ie., removed from the calculation) either automatically or manually. The solution is allowed to converge between rounds of automatic truncation to insure a unique result. Convergence is aided by step length damping.

The error bars of the computed hypocentral coordinates are 90% marginal confidence intervals incorporating Baysian information to stabilize estimates derived from small samples (Jordan and Sverdrup, 1981). It is assumed that the travel-time errors *of the data used* are independent, unbiased, and have an expected standard deviation of 1 s. Monte Carlo experiments suggest that the error bars are accurate for events constrained by more than about 30 data. However, care should be exercised in interpreting these numbers in terms of absolute location accuracy because of unmodeled biases. Analysis of events with independently known coordinates indicates that most PDE determinations are accurate to a few tenths of a degree in epicentral position and 25 km in depth. For special studies, we urge that inquiry be made to this office for possible recomputation of hypocenters of interest, using more complete instrumental data.

Restricted focal depths occur in four instances. If at any point in the computation the depth becomes negative, the solution is automatically restricted at 33 km and indicated by "NORMAL DEPTH." If the unrestricted depth computation is unsatisfactory, and in the judgment of the reviewing geophysicist the earthquake probably has a shallow focus, a solution may be held at 33 km. These are also indicated by "NORMAL DEPTH." The geophysicist may restrain the depth at any value indicated by evidence from available seismograms. These are indicated by, for example, "DEPTH = 100 KM (GEOPHYSICIST)." If two or more pP phases are identified, and in general, yield depths within 10 km of the mean, then the depth is automatically restricted to this value and denoted by, for example, "DEPTH = 51 KM (5 DEPTH PHASES)." pP phases may also appear as unidentified second arrivals with associated travel-time residuals. Hypocentral coordinates derived from other sources, such as the California Institute of Technology, the University of California at Berkeley, and the U. S. Department of Energy are noted on the EDR.

Two types of magnitude are computed: body-wave magnitude (m_b) and surface-wave magnitude (M_{SZ}). Each is a 25% trimmed mean of individual station values. Station magnitudes not used in the trimmed mean are marked with an X. This includes station magnitudes of either type which deviate significantly from the mean and surface-wave magnitudes determined from horizontal amplitudes. Body-wave magnitudes are computed according to the formula $\log(A/T)+Q$, derived by Gutenberg and Richter (1956), where A is the P-wave amplitude in micrometers, T is the period in seconds, and Q is the depth-distance factor. Surface-wave magnitudes are computed from the formula $\log(A/T) + 1.66\log(\Delta) + 3.3$, where A is the maximum vertical surface-wave amplitude in micrometers, T is the period in seconds, and Δ is the epicentral distance in degrees. Surface-wave magnitudes are determined only for earthquakes whose focal depths (taking into account the computed standard deviations) are potentially less than 50 km, for stations having $20° \leq \Delta \leq 160°$, and for reported periods of $18 \leq T \leq 22$ s. No correction for focal depth is used in the M_S calculation. Body-wave magnitudes are not determined from PKP arrivals or for stations having $\Delta \leq 5°$. Amplitude values stated in this report are in nanometers (nm) for body-waves and micrometers (μm) for surface-waves.

The travel-time residual (observed − computed) is based on the 1940 Jeffreys-Bullen P and 1968 Bolt PKP travel-time tables. Phases not used in the computation are marked by an X. The azimuth from the epicenter to the station is measured clockwise from north. The epicentral distance is the central angle in degrees.

The pulse distortion of seismic phases that have ray paths that touch a single internal caustic (*e.g.*, PP, pPP, SS and PKPab) can be corrected using the method of Hilbert transformation described by Choy and Richards (1975). Arrival times that are read from the phases that are corrected for pulse distortion are identified by the symbol H preceding the phase identifier (*e.g.*, HPP, HpPP, HSS and HP'ab).

Hypocenter Symbols

& Indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations in the PDE Monthly Listing.

% Indicates a single network solution. A non-furnished hypocenter has been computed using data reported by a single network of stations for which the date and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. Also, if we define η to be the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse, then $\eta \leq 16.0$ km.

* Indicates a less reliable solution. In general, $8.5 < \eta \leq 16.0$ km.

? Indicates a poor solution, published for completeness of the catalog. In general, $\eta > 16.0$ km. This includes poor solutions computed using data reported by a single network.

The lack of any symbol indicates that $\eta \leq 8.5$ km.

Note: On printers available to the NEIS for this publication, the symbol for degrees (°) appears as "`". Also note that certain phase codes are abbreviated because the data base and file format limit the length of the codes to five characters. Thus, PKP is occasionally abbreviated to P′ and the numbers 2 and 3 are sometimes used to represent the AB (AC for SKKS) and BC branches of core phases, respectively. In some codes, R is used to represent repetition; for example, pRPKP represents the phase pPKPPKP and RRPG represents PgPgPg.

References

Bolt, Bruce A. (1968), Estimation of PKP Travel Times, *Bull. Seis. Soc. Am.*, **58**, pp. 1305–1324.

Choy, George L. and P. G. Richards (1975), Pulse Distortion and Hilbert Transformation in Multiply Reflected and Refracted Body Waves, *Bull. Seis. Soc. Am.*, **65**, pp. 55–70.

Gutenberg, B. and C. F. Richter (1956), Magnitude and Energy of Earthquakes, *Ann. di Geofisica*, **9**, no. 1, pp. 1–15.

Jeffreys, Harold and K. E. Bullen (1940), *Seismological Tables*, British Assoc. for the Advancement of Science, Gray Milne Trust.

Jordan, Thomas H. and Keith A. Sverdrup (1981), Teleseismic Location Techniques and their Application to Earthquake Clusters in the South-Central Pacific, *Bull. Seis. Soc. Am.*, **71**, pp. 1105–1130.

? JUN 01, 1992 00h 17m 10.68± 7.39s
39.209 N ±12.7km 25.778 E ±66.1km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)

EZN 0.75 34 ePg 17 25.00 -0.3
eSg 17 37.50
IZM 1.42 124 iPn 17 36.50 0.0
BNT 2.01 55 ePn 17 45.20 0.2
DST 2.24 79 ePn 17 48.00 -0.5
KCT 2.24 62 ePn 17 49.00 0.6
S.D. = 0.6 on 5 of 5 obs.

* JUN 01, 1992 01h 33m 06.67± 0.92s
45.377 N ±16.3km 151.416 E ±13.7km
DEPTH = 33.0km (normal)
4.4mb (15 obs)
KURIL ISLANDS (221)

KUSJ 5.33 247 eP 34 23.40 -2.6
eS 35 23.10
ASAJ 6.37 262 eP 34 42.50 1.8
HOOJ 6.59 246 eP 34 42.80 -0.9
eS 35 54.80
MRRJ 8.03 252 eP 35 03.90 0.0
eS 36 29.80
OFUJ 9.58 232 P 35 20.60 -4.7X
eS 37 00.30
BJI 26.30 271 eP 38 42.00 1.2
LZH 36.76 272 eP 40 13.50 0.6
1.2s 32.80nm 5.1mb
YKA 52.73 36 eP 42 19.00 -0.9
0.5s 0.40nm 3.6mb
GUN 53.94 275 P 42 29.60 -0.1
KKN 54.44 275 P 42 33.20 0.0
PKI 54.48 275 P 42 34.80 1.1
DMN 54.67 275 P 42 34.60 -0.4
GKN 54.76 276 P 42 35.10 -0.4
WRA 66.84 197 P 43 58.00 0.7
0.7s 0.60nm 3.8mb
NB2 69.14 341 P 44 09.40 -1.9
0.5s 2.00nm 4.4mb
HFS 69.32 339 eP 44 09.70 -2.6
0.4s 4.30nm 4.9mb
OJC 75.94 330 eP 44 51.30 -0.2
CLL 77.21 335 iP 44 57.60 -1.0
1.1s 9.00nm 4.7mb
e 45 44.00
KHC 78.95 333 P 45 08.00 -0.2
1.0s 3.50nm 4.3mb
e 45 53.40
e 46 30.00
GEC2 79.16 333 ePd 45 08.40 -1.1
0.4s 0.54nm 3.9mb
e 45 24.90
GRF 79.18 335 eP 45 10.00 0.6
FLN 83.08 342 eP 45 29.80 -0.2
LDF 83.16 341 eP 45 30.10 -0.3
0.5s 1.45nm 4.3mb
LOR 83.43 338 eP 45 31.70 -0.1
0.7s 2.55nm 4.5mb
GRR 83.52 342 eP 45 32.30 0.1
0.6s 3.70nm 4.7mb
LBF 83.67 338 eP 45 32.90 -0.2
SSF 83.72 339 eP 45 33.20 0.0
LPF 83.89 342 eP 45 34.30 0.2
0.5s 1.80nm 4.5mb
AVF 84.01 339 eP 45 34.80 0.1
0.4s 0.95nm 4.3mb
SMF 84.02 338 eP 45 34.90 0.1
LPL 84.26 336 eP 45 37.50 1.2
LPG 84.27 336 eP 45 37.20 0.8
BGF 84.35 339 eP 45 36.70 0.2
MAF 84.74 339 eP 45 39.30 0.9
0.8s 1.15nm 4.1mb
CAF 86.07 339 eP 45 45.70 0.6
0.7s 1.55nm 4.3mb
LFF 86.39 340 eP 45 47.80 1.2
LPO 86.52 339 eP 45 49.00 1.7
S.D. = 1.0 on 36 of 37 obs.

JUN 01, 1992 01h 47m 15.79± 0.26s
17.319 S ± 6.4km 70.496 W ± 6.1km
DEPTH = 81.3km (18 depth phases)
4.8mb (27 obs.)
NEAR COAST OF PERU (115)
Felt (III) at Arequipa.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 16C
Centroid Location:
Origin Time 01:47:18.8 1.2
Lat 17.77S 0.13 Lon 70.28W 0.09
Dep 95.2 5.5 Half-duration 1.2
Moment Tensor; Scale 10**16 Nm
Mrr=-3.38 0.30 Mtt= 0.77 0.48
Mff= 2.62 0.50 Mrt= 1.83 0.38
Mrf=-0.76 0.31 Mtf= 0.37 0.48
Principal Axes:
T Val= 2.72 Plg= 7 Azm= 92
N 1.46 21 0
P -4.18 68 199
Best Double Couple:Mo=3.5*10**16
NP1:Strike=204 Dip=42 Slip= -58
NP2: 345 55 -116

ARE 1.28 312 iPd 47 39.40 0.4
LPB 2.42 72 iPc 48 01.30 6.8X
CNCB 2.46 78 iPc 48 01.80 6.7X
ZOBO 2.49 66 iPc 48 02.00 6.4X
CCH 4.16 92 Pc 48 22.50 4.0X
ANT 6.35 179 iP 48 43.00 -5.7X
RTLL 14.07 173 e(P) 50 25.50 -7.2X
RTBS 14.31 176 ePd 50 33.70 -2.0
PPD 18.66 108 eP 51 29.10 -1.0
e 51 31.30
e 51 40.30
VAO 22.79 108 eP 52 12.00 -0.4
BMA 25.31 107 (P) 52 38.00 1.5
JSC 52.32 349 iPc 56 21.11 -0.2
ipP 56 41.92 84km
PRM 52.35 348 eP 56 20.53 -1.1
ipP 56 40.89 82km
TKL 54.17 347 eP 56 34.01 -0.9
epP 56 55.05 84km
GBTN 54.27 346 eP 56 33.74 -2.0
epP 56 54.71 84km
NAV 55.20 350 ePc 56 41.66 -0.8
epP 57 02.85 85km
CVL 55.51 352 eP 56 42.02 -2.6
epP 57 04.33 90km
UYO 56.06 336 iPc 56 47.80 -0.8
OLY 56.17 339 ePd 56 47.63 -1.8
LST 56.55 341 eP 56 50.51 -1.6
VVO 57.58 336 eP 56 58.80 -0.6
TUL 58.11 336 eP 57 02.10 -1.0
0.8s 18.20nm 5.2mb
LNO 58.11 336 eP 57 02.10 -0.8
MEO 58.29 333 iPd 57 02.80 -1.6
OCO 58.45 334 iPd 57 06.10 0.6
ACO 60.15 334 iPd 57 17.40 0.2
ALQ 62.19 327 eP 57 30.65 -0.6
0.8s 4.38nm 4.6mb
epP 57 51.43 81km
EEO 64.13 353 eP 57 44.50 1.0
GOL 65.39 331 ePd 57 52.61 0.5
0.9s 7.18nm 4.6mb
epP 58 13.30 80km
PLM 67.06 319 ePc 58 03.55 0.7
epP 58 24.43 80km
SRU 67.47 327 eP 58 05.30 0.0
MSU 67.90 326 eP 58 08.34 0.3
epP 58 28.67 77km
ARUT 68.07 324 eP 58 09.82 0.8
epP 58 30.43 79km
EMUT 68.14 328 eP 58 09.26 -0.3
LIC 68.75 76 P 58 13.10 -0.4
DAU 68.81 328 eP 58 14.51 0.7
TIC 68.91 76 P 58 14.10 -0.4
KIC 69.06 76 P 58 14.70 -0.7
0.7s 29.50nm 5.3mb
BCH 70.27 319 eP 58 23.46 0.9
TNP 70.42 322 eP 58 24.38 0.8
0.8s 13.14nm 4.9mb
HVU 70.60 328 ePc 58 24.53 0.1
ULM 70.90 343 eP 58 25.50 -0.4
BONR 70.98 322 ePc 58 28.22 1.2
epP 58 48.52 77km
ARN 72.54 319 iPd 58 36.45 0.4
SPA 72.79 180 iPd 58 37.30 0.1
1.0s 16.00nm 4.9mb
LRM 73.42 331 eP 58 41.60 0.4
ORV 73.92 321 eP 58 44.55 0.7
epP 59 05.69 80km
LBFM 75 28 323 eP 58 52.47 0.5
SES 76 28 335 eP 58 57.00 -0.2
pP 59 19.00 83km
DPW 77.64 329 eP 59 05.42 0.6
epP 59 26.68 80km
FCC 78.25 348 eP 59 09.50 1.7
pP 59 30.50 78km
LON 78.71 327 eP 59 11.66 0.9
epP 59 33.70 83km
RMW 79.17 327 eP 59 12.84 -0.4
BMW 79.28 326 eP 59 14.88 1.0
epP 59 36.34 80km
PNT 79.32 330 eP 59 15.00 1.1
0.7s 17.00nm 5.1mb
PGC 80.78 328 eP 59 23.00 1.4
YKA 86.77 341 eP 59 51.80 0.1
0.9s 19.10nm 5.2mb
EPF 88.35 44 eP 00 00.60 0.8
1.0s 6.00nm 4.7mb
MAW 88.74 164 iP 00 02.00 0.7
1.0s 44.00nm 5.6mb
iPcP 00 23.00
LFF 89.43 42 eP 00 05.20 0.4
0.6s 4.25nm 4.8mb
MFF 89.59 40 eP 00 05.60 0.1
0.9s 4.90nm 4.7mb
LPO 89.61 43 eP 00 05.90 0.3
0.8s 3.75nm 4.6mb
LPF 89.67 39 eP 00 05.60 -0.2
1.0s 7.20nm 4.8mb
GRR 89.94 39 eP 00 06.90 -0.2
0.8s 8.20nm 5.0mb
RJF 90.08 42 eP 00 07.80 0.0
0.9s 4.40nm 4.7mb
SLR 90.21 117 eP 00 10.50 1.4
CAF 90.28 43 eP 00 09.20 0.4
FLN 90.33 38 eP 00 08.80 -0.1
0.7s 3.00nm 4.6mb
BCAO 90.38 86 ePc 00 10.90 1.0
0.5s 3.00nm 4.8mb
LSF 90.48 41 eP 00 09.70 0.0
1.1s 6.85nm 4.8mb
MAF 91.13 42 eP 00 12.30 -0.3
0.9s 3.60nm 4.7mb
BGF 91.44 41 eP 00 14.30 0.3
0.8s 4.05nm 4.8mb
AVF 91.85 41 eP 00 15.70 -0.2
0.5s 0.80nm 4.4mb
EKA 91.86 32 P 00 37.00 21.3X
1.3s 9.50nm
SSF 92.06 41 eP 00 16.50 -0.4
SMF 92.11 42 eP 00 17.20 0.1
0.9s 4.40nm 4.9mb
BUL 92.34 112 iPc 00 19.70 0.7
0.7s 8.22nm 5.2mb
LOR 92.36 41 eP 00 17.90 -0.4
LPL 93.55 43 eP 00 25.10 1.0
0.8s 2.55nm 4.7mb
LPG 93.55 43 eP 00 25.40 1.2
0.9s 4.10nm 4.8mb
HAU 94.20 41 eP 00 26.90 0.2
GEC2 99.11 42 ePd 00 49.10 0.0
0.9s 1.09nm 4.4mb
ec 01 10.70
ASPA 132.81 211 iPKPd 06 22.80 -1.0
1.2s 8.40nm
WB2 135.65 214 ePKP 06 28.00 -1.2
0.6s 9.60nm
WRA 135.66 214 PKP 06 29.10 -0.2
0.7s 6.70nm
WMQ 147.79 30 PKP 06 51.00 1.0
MDJ 147.97 332 ePKP 06 53.00 2.9X
MAT 148.23 313 ePKP 06 54.00 3.2X
SNY 152.76 337 PKPc 07 00.20 2.9X
GKN 154.76 61 PKP 07 00.00 -0.7
GTA 156.43 19 ePKP 07 02.00 -0.6
CD2 165.49 20 ePKP 07 11.60 -0.6
S.D. = 0.9 on 82 of 92 obs.

& JUN 01, 1992 02h 38m 57.82s
60.901 N 151.538 W
DEPTH = 63.9km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.7 (AEIC).

NKA 0.22 137 iPc 39 09.45 1.6

01d 02h

Sta	Dist	Az	Phase	Time	Res
SPU	0.38	318	iPd	39 08.68	-0.5
			eS	39 17.93	
BKG	0.39	296	eP	39 08.92	-0.4
CKN	0.45	316	iPd	39 09.47	-0.4
			eS	39 18.29	
CGLM	0.47	331	iPd	39 09.37	-0.7
			eS	39 18.73	
CRP	0.47	321	iPd	39 09.07	-1.1
CKL	0.49	308	iPd	39 09.53	-0.8
CPKM	0.50	317	iPd	39 10.06	-0.4
			eS	39 19.75	
RDT	0.54	233	iPd	39 09.94	-0.8
			eS	39 20.33	
BGL	0.55	312	iPd	39 10.30	-0.6
NCG	0.59	330	iPd	39 10.65	-0.7
			eS	39 21.27	
DFR	0.64	242	P	39 10.10	-1.9
SUA	0.68	34	iPc	39 11.97	-0.5
			eS	39 23.64	
REF	0.71	235	iPd	39 11.90	-0.9
			iS	39 24.07	
RSO	0.74	234	iPd	39 12.60	-0.7
			eS	39 24.68	
RS2	0.74	234	iPd	39 12.62	-0.6
			eS	39 24.71	
RS1	0.75	234	iPd	39 12.67	-0.6
			eS	39 24.80	
SLKM	0.76	121	iPc	39 12.64	-0.6
			eS	39 25.55	
RED	0.78	232	iPd	39 12.81	-0.7
			eS	39 25.00	
NNL	0.87	172	ePc	39 14.98	0.4
PMS	1.02	69	P	39 16.00	-0.6
			S	39 29.90	
SKT	1.08	0	iPd	39 16.39	-1.0
			eS	39 31.68	
PWA	1.10	46	P	39 17.70	0.1
INE	1.13	223	ePc	39 17.43	-0.8
			eS	39 33.27	
INW	1.15	224	eP	39 17.70	-0.7
			eS	39 32.49	
BRLK	1.19	164	eP	39 17.98	-0.8
			eS	39 34.05	
HOM	1.25	182	eP	39 19.34	-0.2
SEW	1.31	127	eP	39 19.22	-1.1
PLRM	1.35	58	eP	39 20.04	-1.0
CNPM	1.39	174	eP	39 20.59	-0.9
			eS	39 39.10	
XLV	1.45	184	P	39 21.30	-1.1
GHO	1.53	54	eP	39 22.64	-0.9
			eS	39 42.37	
KNK	1.58	70	ePc	39 22.90	-1.2
			eS	39 42.69	
CUT	1.63	21	eP	39 24.11	-0.6
PDB	1.73	231	eP	39 24.46	-1.7
SML	1.79	58	eP	39 25.78	-1.3
AUE	1.80	211	P	39 25.00	-2.1
AUP	1.81	212	P	39 25.30	-2.1
AUI	1.83	212	P	39 27.20	-0.4
SVW	2.00	278	eP	39 27.05	-2.9
SCM	2.23	63	eP	39 32.72	-0.6
CDD	2.24	209	eP	39 32.27	-1.1
SYI	2.34	191	eP	39 32.81	-1.8
HIN	2.53	99	eP	39 34.94	-2.5
VLZ	2.55	83	eP	39 35.11	-2.4
TRF	2.63	12	eP	39 37.89	-1.0
KLU	2.78	75	eP	39 38.43	-2.6
CVA	2.87	95	eP	39 39.35	-2.7
TTA	2.94	316	P	39 42.20	-1.0
MID	2.99	117	P	39 42.40	-1.4
TZL	3.15	66	eP	39 44.22	-1.9
SDG	3.29	58	eP	39 47.97	-0.1
PAX	3.54	51	eP	39 51.20	-0.4
GLB	3.78	78	eP	39 51.84	-3.2

54 obs. associated

JUN 01, 1992 03h 40m 05.99± 0.92s
10.013 N ± 7.1km 74.666 W ± 6.1km
DEPTH = 43.2 ± 8.3 km
4.3mb (21 obs.) 3.8Msz (1 obs.)
NEAR NORTH COAST OF COLOMBIA (96)

Sta	Dist	Az	Phase	Time	Res
BMG	3.32	152	eP	40 59.00	2.1
SDV	4.13	105	ePn	41 10.20	1.7
			iSn	41 58.40	
TOV	4.81	92	iPnc	41 19.00	1.1
			iSn	42 14.60	
BOG	5.39	174	eP	41 32.00	5.6X
			eS	42 45.00	
MORO	6.30	82	iP	41 37.90	-1.1
			eS	42 49.90	
CEOS	6.32	98	eP	41 38.90	-0.3
			eS	42 49.50	
CAR	7.63	86	iP	41 56.60	-1.0
OLLA	7.74	89	eP	41 58.20	-0.9
LLAV	7.75	86	eP	41 57.40	-1.8
			eS	43 26.70	
GUAN	8.88	90	eP	42 14.10	-0.8
LCR2	9.20	269	eP	42 19.11	-0.3
ZOBO	26.92	166	P	45 45.00	-1.0
	Z 18s		0.24um		3.8Msz
			LR	55 26.00	
LPB	27.16	166	Pc	45 48.00	0.0
CNCB	27.46	166	iPc	45 50.30	-0.5
CCH	28.49	163	P	45 59.00	-0.9
ALO	38.16	316	eP	47 22.10	-1.3
	1.0s		4.00nm		4.3mb
RSSD	42.43	328	eP	47 59.10	0.6
	1.0s		4.88nm		4.2mb
YKA	59.76	340	eP	50 06.70	-2.0
	0.6s		0.90nm		4.1mb
LIC	68.94	87	P	51 08.30	-1.1
KIC	69.20	87	P	51 10.00	-1.0
GRR	71.83	42	eP	51 26.70	0.4
	0.6s		3.70nm		4.5mb
FLN	72.11	42	eP	51 28.50	0.6
	0.8s		4.05nm		4.4mb
MFF	72.16	44	eP	51 28.90	0.6
	0.4s		1.00nm		4.1mb
EPF	72.28	48	eP	51 30.00	0.8
	0.6s		3.05nm		4.4mb
LDF	72.34	42	eP	51 29.70	0.4
	0.6s		3.00nm		4.4mb
LFF	72.67	46	eP	51 32.30	1.0
	0.4s		1.70nm		4.4mb
LPO	72.98	46	eP	51 33.00	-0.1
	0.5s		2.40nm		4.4mb
RJF	73.24	46	eP	51 34.90	0.3
	0.7s		3.65nm		4.4mb
CAF	73.61	46	eP	51 37.30	0.5
	1.1s		6.10nm		4.5mb
MAF	74.01	45	eP	51 39.40	0.3
BGF	74.22	44	eP	51 40.50	0.2
	0.6s		3.05nm		4.4mb
AVF	74.57	44	eP	51 42.40	0.1
	0.5s		1.40nm		4.2mb
SSF	74.69	44	eP	51 43.00	0.0
	0.5s		1.60nm		4.2mb
SMF	74.91	44	eP	51 44.50	0.2
	0.6s		3.25nm		4.5mb
LOR	74.93	44	eP	51 44.50	0.1
	0.6s		3.80nm		4.5mb
LBF	75.01	44	eP	51 44.80	-0.1
	0.4s		0.80nm		4.0mb
LPL	76.91	46	eP	51 57.20	1.3
	0.4s		0.70nm		4.0mb
LPG	76.93	46	eP	51 57.50	1.4
	0.5s		1.40nm		4.2mb
GEC2	81.48	42	ePc	52 21.00	0.7
	0.8s		0.93nm		3.8mb
			epP	52 31.60	34kmX
			esP	52 36.70	
WB2	150.33	247	iPKPc	59 54.80	5.2X
	0.5s		4.50nm		

S.D. = 1.0 on 38 of 40 obs.

JUN 01, 1992 04h 19m 25.47± 0.59s
42.331 N ± 4.9km 19.527 E ± 4.6km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.3 (TTG).

Sta	Dist	Az	Phase	Time	Res
TTG	0.22	297	iPgc	19 30.94	0.7
			iSg	19 35.28	
ULC	0.42	209	iPgc	19 33.18	-0.9
			iSg	19 39.59	
PVY	0.42	51	iPgd	19 33.63	-0.5
			iSg	19 40.25	
BDV	0.52	265	iPgc	19 35.81	-0.2
			iSg	19 44.13	
IVA	0.61	27	iPgd	19 37.28	-0.5
			iSg	19 46.59	
NKY	0.62	321	iPgc	19 37.96	-0.1
			iSg	19 48.05	
HCY	0.77	279	iPgd	19 40.35	-0.2
			iSg	19 52.54	
BRY	0.92	308	iPgc	19 43.43	0.2
			iSg	19 57.84	
PLE	1.00	354	iPgc	19 44.80	0.2
			iSg	20 00.36	
OHR	1.55	142	ePn	19 54.30	1.2

S.D. = 0.7 on 10 of 10 obs.

• JUN 01, 1992 04h 31m 42.55± 1.22s
10.607 N ±14.3km 62.287 W ±12.5km
DEPTH = 130.5 ± 13.8 km
3.2mb (1 obs.)
NEAR COAST OF VENEZUELA (97)
MD 4.1 (TRN).

Sta	Dist	Az	Phase	Time	Res
TCE	0.53	80	eP	32 04.00	1.9
			eS	32 14.00	
TRN	0.87	87	eP	32 03.00	-1.6
			eS	32 12.00	
GRW	1.66	22	eP	32 13.00	0.0
			eS	32 28.00	
SVB	2.84	21	eP	32 29.50	1.8
			eS	32 55.00	
GUAN	3.37	259	eP	32 35.40	0.6
SLB	3.42	21	eP	32 36.50	1.0
			eS	33 08.50	
BIM	4.06	17	eP	32 42.90	-1.1
MVM	4.15	19	eP	32 44.16	-1.1
FDF	4.25	15	eP	32 45.40	-1.1
			S	33 28.50	
CRM	4.33	18	eP	32 47.00	-0.6
LLAV	4.45	269	eP	32 50.00	0.7
			eS	33 37.40	
OLLA	4.48	263	eP	32 49.40	-0.4
CAR	4.56	269	iP	32 51.00	0.1
			eS	33 42.60	
MGG	5.36	10	eP	33 02.00	0.5
DEG	5.80	12	eP	33 07.30	-0.3
CEOS	6.16	256	eP	33 11.60	-1.0
			eS	34 17.30	
TOV	7.43	264	eP	33 30.70	0.9
			eS	34 52.80	
SDV	8.40	259	eP	33 41.50	-1.5
			eS	35 11.60	
YKA	63.83	336	eP	42 04.00	1.2
	0.3s		0.10nm		3.2mb

S.D. = 1.2 on 19 of 19 obs.

% JUN 01, 1992 04h 32m 18.07± 1.32s
16.977 N ±14.4km 99.643 W ±12.3km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF GUERRERO, MEXICO (58)

Sta	Dist	Az	Phase	Time	Res
ACX	0.23	243	iP	32 23.00	-0.1
			iS	32 26.50	
III	1.40	7	iP	32 43.50	-0.3
			iS	33 04.00	
UNM	2.38	10	(P)	32 53.00	-5.0X
IIT	2.40	32	eP	32 58.00	-0.2
OXX	2.79	87	(P)	33 07.00	3.1X
IISM	2.94	47	iP	33 06.00	0.3
MRX	3.09	332	iP	33 08.00	0.3
			(S)	33 45.00	

S.D. = 0.4 on 5 of 7 obs.

• JUN 01, 1992 04h 50m 14.18± 1.11s
23.796 N ± 7.3km 121.627 E ±16.0km
DEPTH = 10.0km (geophysicist)
4.2mb (1 obs.)
TAIWAN (244)

Sta	Dist	Az	Phase	Time	Res
TWD	0.28	354	iPd	50 20.10	0.0
			eS	50 23.70	
TWF1	0.54	214	iPc	50 25.20	0.2
			eS	50 33.00	
TWC	0.83	14	iPd	50 30.40	0.1
TWQ	0.87	304	ePd	50 30.00	-0.9
TWG	1.10	208	ePc	50 35.40	0.6
TWZ	1.30	358	eP	50 38.40	0.2
SSE	7.28	357	P	52 05.00	1.8
YKA	83.17	23	eP	02 39.40	-2.1
	0.9s		1.40nm		4.2mb

S.D. = 1.4 on 8 of 8 obs.

& JUN 01, 1992 04h 57m 38.21s
37.577 N 118.876 W

DEPTH = 6.7km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 3.3 (GM). ML 3.2
(GS).

BONR 0.59 50 iPc 57 49.65 -0.5
CMB 1.28 291 eP 58 01.58 -0.7
eS 58 18.24
TNP 1.41 68 iPc 58 04.71 0.2
PKEM 1.81 214 eP 58 10.50 0.5
PHAM 2.13 216 ePn 58 14.30 -0.4
ARN 2.13 265 eP 58 15.59 0.9
eS 58 43.37
BCH 2.58 203 ePd 58 21.77 0.6
ABL 2.73 186 ePn 58 25.04 1.5
ORV 2.85 315 ePn 58 25.94 0.9
ARUT 4.32 86 ePn 58 45.90 -0.1
MSU 5.37 78 ePn 59 01.19 0.2
DUG 5.40 59 ePn 59 01.07 -0.3
0.7s 2.23nm 3.9mb X
HVU 6.30 46 ePn 59 15.38 1.3
13 obs. associated

? JUN 01, 1992 05h 55m 27.55± 1.08s
45.320 N ±17.2km 151.502 E ±15.6km
DEPTH = 33.0km (normal)
4.3mb (2 obs.)
KURIL ISLANDS (221)

KUSJ 5.36 248 P 56 46.50 -0.8
eS 57 45.00
ASAJ 6.43 262 eP 57 06.00 3.7X
HOOJ 6.62 247 eP 57 05.90 0.8
eS 58 17.50
BKM 64.51 162 iPc 06 03.20 0.0
NB2 69.21 341 P 06 32.80 0.2
0.7s 1.50nm 4.2mb
HFS 69.40 339 eP 06 33.50 -0.2
0.4s 1.80nm 4.5mb
S.D. = 0.8 on 5 of 6 obs.

JUN 01, 1992 06h 04m 14.09± 0.15s
10.975 S ± 2.7km 165.183 E ± 3.7km
DEPTH = 12.2km (4 depth phases)
5.5mb (37 obs.) 4.9Msz (18 obs.)
SANTA CRUZ ISLANDS (184)
Mo=3.3*10**17 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 36C
Centroid Location:
Origin Time 06:04:17.9 0.9
Lat 11.18S 0.10 Lon 165.08E 0.09
Dep 15.0 FIX Half-duration 1.6
Moment Tensor; Scale 10**16 Nm
Mrr=-3.65 0.29 Mtt=-4.24 0.42
Mff= 7.90 0.41 Mrt= 4.63 0.77
Mrf=-0.64 1.49 Mtf= 0.58 0.31
Principal Axes:
T Val= 7.94 Plg= 2 Azm= 92
N 0.69 47 0
P -8.64 43 184
Best Double Couple:Mo=8.3*10**16
NP1:Strike=219 Dip=59 Slip= -32
NP2: 327 63 -145

HNR 5.38 286 eP 05 37.00 0.9
eS 06 38.00
DZM 11.10 174 iPc 06 54.90 -0.9
iS 08 56.90
RAB 14.55 297 e(Pn) 07 44.00 2.3
eS 11 04.00
VUN 14.63 120 ePd 07 51.10 8.3X
SVA 14.67 120 eP 07 52.10 8.7X
PMG 17.81 273 eP 08 26.00 2.5
CTA 20.35 241 P 08 54.29 1.1
RMQ 21.87 223 iPd 09 09.70 1.0
1.2s 474.00nm 5.8mb
i 09 25.20 69kmX
ARMA 23.09 211 iPd 09 22.10 1.3
1.0s 165.00nm 5.5mb
QLP 25.12 229 iPd 09 41.30 0.8
0.7s 76.00nm 5.5mb
RIV 26.12 207 iPc 09 51.00 1.3
i 09 53.10 7km
WCZ 26.21 163 P 09 52.40 2.0
QIS 26.36 246 iPc 09 51.50 -0.6
1.0s 41.00nm 5.1mb
CMS 27.15 218 iPd 09 59.30 0.1
0.7s 141.00nm 5.8mb
i 10 02.40 11km
BWA 27.91 211 iPd 10 04.90 -1.2
CNB 28.18 208 iPc 10 09.00 0.5
0.2s 14.00nm 5.4mb
CAN 28.35 209 iPd 10 10.10 0.0
MOZ 28.73 164 P 10 13.90 0.5
HBZ 29.01 158 P 10 16.10 0.2
URZ 29.19 161 P 10 18.20 0.7
PUZ 29.42 159 P 10 19.10 -0.5
NGZ 29.58 163 eP 10 21.90 0.7
CNZ 29.59 164 eP 10 23.00 1.8
PAHZ 29.72 161 P 10 23.00 0.6
NOZ 29.83 159 P 10 22.80 -0.5
STK 30.12 223 eP 10 25.60 -0.4
0.8s 17.80nm 5.0mb
eS 15 29.30
TTH 30.27 162 P 10 27.50 0.3
WAHZ 30.28 163 P 10 27.20 -0.1
ORZ 30.43 169 P 10 29.10 0.5
MNG 30.90 165 P 10 32.30 -0.4
WB2 30.98 250 iPc 10 32.50 -1.2
1.0s 33.30nm 5.2mb
i 13 30.40
WRA 30.99 250 P 10 32.70 -1.0
PGZ 31.11 164 P 10 34.40 -0.1
0.8s 9.00nm 4.7mb
CAW 31.25 166 P 10 34.80 -1.0
THZ 31.41 169 P 10 37.20 -0.1
MTW 31.41 165 P 10 35.60 -1.6
BLW 31.60 165 P 10 36.60 -2.3
AMW 31.62 165 P 10 37.90 -1.1
TOO 31.85 210 iPd 10 41.50 0.3
0.7s 91.00nm 5.8mb
KHZ 32.16 168 eP 10 42.70 -1.1
LTZ 32.28 170 P 10 44.00 -0.9
ASPA 32.33 243 iPd 10 43.80 -1.8
1.1s 79.00nm 5.6mb
Z 19s 1.70um 4.8Msz
ePcP 13 32.90
eS 15 42.30
EWZ 32.79 172 P 10 49.10 -0.1
BFD 33.10 214 iPd 10 54.00 2.0
1.0s 185.00nm 6.0mb
MQZ 33.25 170 P 10 51.90 -1.3
MSZ 33.66 176 P 10 56.80 0.1
ADE 33.92 221 iPd 10 59.40 0.1
1.0s 260.00nm 6.1mb
MHZ 34.15 175 P 11 00.40 -0.7
SBCZ 34.18 175 P 11 00.30 -1.1
LSCZ 34.21 175 P 11 00.60 -1.0
TUZ 35.07 175 P 11 09.50 0.7
WARB 39.36 242 iPd 11 45.20 -0.1
0.7s 84.00nm 5.5mb
COOL 45.29 237 iPd 12 33.00 -0.7
0.8s 46.00nm 5.5mb
PCI 46.13 279 e(P)c 12 46.90 6.4X
e 14 51.60
HON 48.35 48 P 13 10.00 12.2X
Z 20s 0.24um 4.2Msz
DHH 48.46 49 eP 12 59.13 0.5
OPA 48.57 48 eP 12 59.13 -0.3
NANU 48.72 250 eP 13 01.00 0.4
BAL 48.92 239 iPc 13 01.80 -0.4
NWAO 49.04 236 iPd 13 03.10 0.0
1.0s 75.00nm 5.7mb
MRWA 49.24 241 iPc 13 04.20 -0.4
0.9s 28.00nm 5.3mb
MUN 49.65 237 iPc 13 07.50 -0.3
RKG 49.67 234 iPc 13 08.20 0.4
BAG 51.84 301 ePc 13 25.00 0.2
KAGJ 53.29 323 eP 13 35.50 0.3
MAT 53.65 333 eP 13 36.00 -1.8
0.8s 11.19nm 4.9mb
eS 21 13.00
TSRJ 53.87 330 P 13 32.20 -7.1X
MTMJ 53.87 333 P 13 38.90 -0.5
NIIJ 53.89 334 P 13 39.30 -0.1
KUMJ 54.30 324 eP 13 42.60 0.0
SHNJ 55.31 326 eP 13 49.20 -0.7
KUSJ 56.97 342 eP 14 00.30 -1.4
ASAJ 58.53 341 P 14 12.90 0.2
SSE 59.42 316 P 14 17.50 -1.5
1.0s 50.00nm 5.6mb
Z 20s 0.46um 4.6Msz
pP 14 26.50 29kmX
NJ2 61.58 316 Pd 14 33.60 -0.2
sP 14 42.00
QIZ 62.16 298 Pc 14 40.20 2.3
SMY 63.91 6 P 15 00.00 11.2X
Z 20s 2.08um 5.3Msz
WHN 63.93 312 eP 14 48.50 -0.9
MDJ 64.03 332 eP 14 49.50 -0.3
1.3s 44.00nm 5.5mb
SNY 64.97 327 Pd 14 56.00 0.1
Z 20s 0.49um 4.7Msz
TIA 65.19 318 eP 14 56.00 -1.6
1.2s 45.00nm 5.5mb
CN2 65.40 329 Pd 14 57.90 -0.8
1.2s 60.00nm 5.7mb
Z 16s 0.41um 4.7MszX
N 14s 0.35um
E 14s 0.25um
CSY 66.25 201 iPd 15 04.00 0.2
0.5s 13.00nm 5.4mb
GYA 67.92 304 P 15 15.00 -0.3
pP 15 19.40 14km
BJI 68.08 321 eP 15 15.50 -0.3
1.5s 58.00nm 5.5mb
Z 24s 0.51um 4.7MszX
TIY 69.13 318 eP 15 22.40 -0.1
Z 22s 0.78um 4.9Msz
N 20s 0.78um
XAN 69.67 313 iPc 15 25.30 -0.5
1.0s 43.00nm 5.6mb
KMI 70.61 302 Pc 15 32.50 0.5
1.5s 190.00nm 6.0mb
pP 15 40.50 26kmX
HHC 71.42 320 eP 15 36.80 0.4
1.0s 26.00nm 5.3mb
Z 20s 0.62um 4.9Msz
CHG 71.69 294 eP 15 38.50 0.2
1.4s 45.35nm 5.4mb
SDN 72.06 20 P 15 50.00 10.3X
Z 19s 2.33um 5.5Msz
CD2 72.12 308 P 15 40.10 -0.6
1.0s 75.00nm 5.7mb
eS 24 56.00
BTO 72.27 319 eP 15 41.00 -0.5
N 14s 0.31um
E 15s 0.35um
LZH 74.30 312 eP 15 54.00 0.5
1.5s 96.00nm 5.6mb
Z 25s 0.48um 4.7MszX
SVW 78.21 18 eP 16 15.60 0.7
GTA 78.61 314 eP 16 17.70 0.1
1.5s 21.00nm 5.0mb
pP 16 22.80 16km
PP 19 15.00
REF 78.68 20 (P) 16 16.56 -1.1
SPA 79.10 180 iPd 16 20.80 1.0
1.0s 104.50nm 5.8mb
CRP 79.44 19 eP 16 21.86 0.1
TTA 79.52 17 eP 16 22.50 0.5
SLKM 79.54 21 (P) 16 20.57 -1.5
PMR 80.68 20 eP 16 29.20 1.1
0.8s 10.59nm 4.9mb
Z 20s 0.50um 4.9Msz
KLU 81.73 21 eP 16 33.52 -0.2
RND 82.05 19 (P) 16 35.74 0.4
TOA 82.05 21 eP 16 36.60 1.2
IMA 82.59 16 eP 16 39.10 0.9
BALM 82.77 23 eP 16 38.70 -0.5
FBA 83.43 18 eP 16 42.00 -0.4
0.9s 13.90nm 5.2mb
SIT 83.46 28 P 16 50.00 7.4X
Z 19s 1.20um 5.3Msz
ARN 83.64 50 eP 16 44.70 0.6
ORV 84.38 48 eP 16 47.94 0.3
MAW 84.58 202 iPd 16 49.20 1.0
1.0s 75.00nm 5.9mb
GUN 85.80 299 P 16 54.80 -0.7
PKI 86.12 299 P 16 56.60 -0.5
GMW 86.21 40 eP 16 57.08 0.4
BONR 86.26 50 eP 16 57.99 0.5
KKN 86.28 299 P 16 55.70 -2.0
DMN 86.39 299 P 16 56.60 -1.7
KVN 86.73 49 eP 17 00.05 0.4
RMW 86.80 41 eP 16 59.95 0.3
GKN 86.89 299 P 16 57.60 -3.0X
GLA 87.67 56 eP 17 05.37 1.3
WMQ 88.65 315 P 17 12.70 4.1X

01d 06h

1.5s 16.00nm 5.1mb
Z 24s 0.34um 4.7MszX
PNT 88.79 39 eP 17 09.00 -0.1
ARUT 89.93 52 eP 17 15.40 0.5
DUG 90.97 49 (P) 17 20.14 0.5
0.9s 3.54nm 4.7mb
MSU 91.07 51 eP 17 20.94 0.7
HVU 91.37 48 eP 17 22.24 0.8
DAU 92.18 49 (P) 17 27.57 2.2
SRU 92.46 51 (P) 17 30.92 4.4X
LRM 92.52 44 eP 17 26.90 0.1
ALO 94.86 56 P 17 50.00 12.3X
Z 20s 0.13um 4.4Msz
YKA 95.16 27 eP 17 36.00 -2.2
0.8s 1.30nm 4.4mb X
GOL 96.49 51 P 18 00.00 14.9X
Z 20s 0.50um 5.0Msz
CCM 107.34 54 PKP 22 50.00 7.6X
Z 19s 0.17um 4.6Msz
FVM 107.98 54 PKP 22 50.00 6.3X
Z 20s 0.92um 5.3Msz
SLM 108.13 53 PKP 22 50.00 6.1X
Z 19s 0.91um 5.3Msz
MCWV 116.12 51 PKP 23 10.00 10.9X
Z 19s 0.95um 5.4Msz
CEH 117.16 55 PKP 23 10.00 8.8X
Z 20s 0.21um 4.8Msz
CNCB 120.63 117 PKP 23 10.20 1.1
LPB 120.64 117 PKP 23 10.00 1.1
ZOBO 120.71 116 PKP 23 10.00 0.7
LR 02 08.00
HRV 121.70 47 PKP 23 20.00 10.4X
Z 19s 0.26um 4.9Msz
CCH 121.99 118 PKP 23 11.00 -0.3
NB2 126.49 345 PKP 23 21.40 3.0X
0.8s 1.50nm
MLR 131.12 322 ePKP 23 44.00 16.2X
PPD 131.45 133 (PKP) 23 29.00 0.0
GEC2 135.40 333 ePKP 23 35.90 0.1
0.8s 0.96nm
e 23 39.30
e 23 44.60
MAF 141.88 340 ePKP 23 48.00 0.3
1.0s 4.00nm
RJF 143.04 341 ePKP 23 47.90 -1.8
0.6s 3.05nm
CAF 143.19 340 ePKP 23 46.50 -3.5X
1.0s 5.60nm
LFF 143.61 341 ePKP 23 45.10 -5.6X
0.6s 4.50nm
LPO 143.70 341 ePKP 23 44.70 -6.1X
0.8s 5.90nm
EPF 145.45 340 ePKP 23 54.50 0.6
0.6s 2.45nm
BCAO 146.34 261 iPKPc 23 56.20 0.0
0.7s 117.00nm
ic 24 02.20
PDCR 146.42 133 ePKP 23 56.60 0.3
e 24 06.60
ETOR 148.21 341 iPKPc 24 02.20 3.7X
GUD 148.98 344 ePKP 24 04.30 4.5X
TOL 149.67 343 ePKP 24 14.50 13.8X
S.D. = 1.0 on 132 of 159 obs.

& JUN 01, 1992 06h 23m 09.91s
37.553 N 118.854 W
DEPTH = 9.7km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 3.0 (GM). ML 2.7
(GS).

BONR 0.59 47 iPc 23 21.31 -0.8
iS 23 30.11
CMB 1.30 292 iP 23 33.51 -0.6
TNP 1.40 67 iPc 23 35.98 0.3
eS 23 54.82
PKEM 1.80 214 eP 23 42.18 1.0
ARN 2.14 265 eP 23 48.09 1.8
eS 24 15.24
BCH 2.56 203 iPd 23 52.88 0.6
eS 24 27.17
ABL 2.71 186 eP 23 55.56 1.0
eS 24 32.62
ORV 2.88 315 eP 23 57.23 0.5
eS 24 38.97
8 obs. associated

% JUN 01, 1992 06h 29m 07.60± 3.51s
39.055 N ±13.6km 26.148 E ±30.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EZN 0.78 10 iPg 29 23.00 0.2
eSg 29 34.70
IZM 1.09 127 iPn 29 28.10 0.0
KGT 1.66 32 iPn 29 36.50 -0.3
BNT 1.89 46 iPn 29 40.00 -0.2
DST 2.00 73 ePn 29 42.10 0.2
KCT 2.08 54 iPn 29 43.00 0.0
S.D. = 0.3 on 6 of 6 obs.

% JUN 01, 1992 07h 35m 35.29± 0.67s
40.787 N ± 4.6km 27.484 E ± 5.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

KGT 0.36 202 iPg 35 42.50 -0.2
EDC 0.53 147 iPg 35 45.50 -0.4
eSg 35 54.00
BNT 0.54 142 iPg 35 46.50 0.2
CTT 0.80 63 iPg 35 51.00 0.1
iSg 36 04.00
KCT 0.86 129 iPg 35 52.00 0.2
eSg 36 06.00
DMK 1.05 11 iPg 35 55.00 -0.2
iSg 36 09.50
EZN 1.31 223 iPn 35 59.70 0.3
YLV 1.45 98 ePn 36 01.50 -0.2
DST 1.47 143 iPn 36 02.00 0.1
S.D. = 0.3 on 9 of 9 obs.

JUN 01, 1992 07h 53m 06.71± 0.27s
22.733 S ± 6.1km 170.803 E ± 6.3km
DEPTH = 10.0km (geophysicist)
5.2mb (23 obs.) 4.9Msz (25 obs.)
LOYALTY ISLANDS REGION (189)
Mo=1.3*10**17 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 53C
Centroid Location:
Origin Time 07:53:14.4 0.6
Lat 22.68S 0.06 Lon 170.78E 0.04
Dep 15.0 FIX Half-duration 1.9
Moment Tensor; Scale 10**17 Nm
Mrr= 1.21 0.04 Mtt=-1.04 0.06
Mff=-0.17 0.06 Mrt= 1.25 0.18
Mrf=-0.38 0.14 Mtf= 0.13 0.04
Principal Axes:
T Val= 1.82 Plg=65 Azm= 20
N -0.17 3 283
P -1.65 25 192
Best Double Couple:Mo=1.7*10**17
NP1:Strike=274 Dip=21 Slip= 81
NP2: 105 70 94

DZM 4.09 278 iPc 54 08.10 -2.6
iS 54 56.00
BKM 5.58 334 iPc 54 42.00 10.1X
SGE 8.42 54 eP 55 18.00 6.2X
SVA 8.52 59 ePc 55 20.60 7.5X
VUN 8.59 58 eP 55 18.20 4.2X
MBU 9.40 54 eP 55 31.20 6.0X
HNR 16.83 320 eP 57 08.00 3.9X
MNG 18.27 169 P 57 20.70 -1.2
ARMA 18.77 242 eP 57 29.00 0.8
SNZO 18.81 171 P 57 30.00 1.5
RMO 20.39 255 eP 57 46.00 -0.5
1.0s 116.00nm 5.2mb
e 06 26.00
RIV 20.49 233 eP 57 48.00 0.5
eS 01 48.00
EWZ 20.72 180 P 57 47.90 -1.9
CNB 22.50 231 eP 58 08.00 0.2
i 58 19.00 43kmX
CAN 22.76 232 eP 58 10.00 -0.4
BWA 22.80 234 eP 58 09.70 -1.1
CTA 23.00 272 P 58 17.70 4.9X
CMS 23.84 243 eP 58 21.00 0.1
i 58 23.00 7kmX
i 58 30.60
QLP 24.43 256 P 58 27.00 0.3
i 58 35.30 29kmX
PMG 26.25 296 eP 58 51.50 7.6X
TOO 26.31 230 iPd 58 45.20 0.8
STK 27.44 244 eP 58 54.00 -0.7
1.2s 7.80nm 4.3mb
eS 03 07.10
BFD 28.27 233 e(P) 59 04.00 1.8
i 59 13.00 32kmX
ASPA 33.87 261 iPc 59 52.00 0.2
1.1s 25.90nm 5.1mb
WB2 34.01 268 eP 59 52.40 -0.7
0.5s 2.70nm 4.4mb
WRA 34.02 268 P 59 52.79 -0.4
WARB 40.20 256 eP 00 43.00 -2.2
GUMO 44.14 322 eP 01 17.70 0.3
HON 53.31 37 P 02 40.00 11.7X
Z 20s 0.71um 4.7Msz
CTB 54.44 298 eP 02 40.00 3.3X
CGP 54.75 299 eP 02 37.00 -2.1
BAG 62.67 304 eP 03 31.00 -3.4X
eS 12 03.00
MAT 66.51 332 eP 03 51.00 -7.8X
1.1s 12.66nm 5.0mb
eS 12 50.00
SPA 67.40 180 iPc 04 03.10 -1.3
1.3s 14.17nm 5.0mb
KGM 70.13 281 eP 04 25.00 3.2X
KUR 70.80 343 eP 04 11.00 -14.2X
eS 13 46.00
SSE 71.60 316 P 04 29.00 -1.3
1.5s 37.00nm 5.3mb
Z 20s 0.50um 4.8Msz
sP 04 50.00
S 13 50.00
sS 13 58.00
QIZ 72.58 300 eP 04 39.00 2.6
IPM 73.28 282 ePd 04 43.60 2.9X
YSS 73.91 340 eP 04 40.00 -3.6X
Z 19s 0.50um 4.8Msz
N 19s 0.50um
e 04 50.00 32kmX
SMY 75.20 2 P 05 00.00 9.2X
Z 19s 2.04um 5.4Msz
MAW 75.76 202 e(P) 04 54.00 0.0
1.0s 8.00nm 4.7mb
ePcP 05 28.00
WHN 75.77 312 eP 04 55.50 0.9
PET 76.17 352 eP 04 54.00 -2.4
MDJ 76.87 331 eP 04 59.50 -1.1
1.2s 23.00nm 5.1mb
TIA 77.51 318 eP 05 03.50 -0.8
1.4s 46.00nm 5.4mb
Z 16s 0.64um 5.0MszX
S 14 56.60
SNY 77.68 326 Pc 05 04.00 -1.1
Z 22s 0.56um 4.8Msz
CN2 78.19 328 Pc 05 07.00 -0.8
1.2s 23.00nm 5.1mb
Z 20s 0.61um 4.9Msz
N 16s 0.39um
E 16s 0.23um
epP 05 22.50 55kmX
S 15 04.00
GYA 79.00 305 P 05 10.00 -2.9
BJI 80.56 321 eP 05 20.50 -0.2
1.5s 34.00nm 5.1mb
Z 23s 0.57um 4.9MszX
N 14s 0.41um
esP 05 40.00
KMI 81.35 302 Pd 05 27.00 1.5
1.5s 150.00nm 5.8mb
TIY 81.38 317 eP 05 25.00 -0.2
Z 20s 0.50um 4.9Msz
N 15s 0.34um
CHG 81.42 294 eP 05 27.10 1.4
1.5s 43.75nm 5.3mb
SDN 81.53 16 P 05 30.00 4.5X
Z 21s 1.65um 5.4Msz
XAN 81.53 312 eP 05 27.00 0.9
1.6s 39.00nm 5.2mb
N 10s 0.65um
CD2 83.51 307 eP 05 38.80 2.4
HHC 83.81 319 P 05 38.80 1.1
1.4s 32.00nm 5.4mb
Z 16s 0.59um 5.1MszX
BTO 84.60 318 eP 05 42.00 0.3
eS 16 04.50
LZH 86.14 312 eP 05 51.00 1.4
2.0s 85.00nm 5.6mb

Z 20s 0.40um 4.8Msz
E 15s 0.46um
pP 06 00.00 28kmX
sP 06 05.00
eSKS 16 15.00
SNA 87.08 182 e(P) 05 51.40 -2.0
0.9s 36.97nm 5.6mb
BCH 87.18 50 eP 05 54.69 0.1
ARN 87.28 48 eP 05 55.52 0.6
ORV 88.44 46 eP 05 59.72 -0.7
PLM 88.61 53 eP 06 01.56 -0.1
LBFM 89.12 44 eP 06 04.08 0.2
CIT 89.59 329 eP 06 06.20 0.6
BONR 89.80 48 eP 06 06.20 -1.1
PMR 89.97 18 P 06 20.00 12.9X
Z 19s 0.41um 4.9Msz
GLA 89.98 54 eP 06 08.02 0.1
GTA 90.57 313 eP 06 11.50 0.9
Z 18s 0.57um 5.0Msz
E 16s 0.70um
YAK 90.61 342 ePc 06 09.00 -1.0
1.5s 61.00nm 5.7mb
e 06 19.00 31kmX
i 16 40.00
TNP 90.61 49 eP 06 09.74 -1.2
1.1s 13.59nm 5.2mb
ILT 90.70 4 eP 06 09.00 -1.3
e 16 44.00
e 18 12.00
SIT 91.40 26 P 06 20.00 6.3X
Z 21s 1.92um 5.5Msz
RND 91.51 17 (P) 06 13.56 -0.8
GMW 91.85 38 (P) 06 15.59 -0.5
RMW 92.37 39 eP 06 17.58 -1.0
FBA 92.99 16 eP 06 18.71 -2.3
1.6s 35.54nm 5.5mb
BOD 93.04 333 eP 06 21.30 0.0
1.7s 19.00nm 5.2mb
ARUT 93.12 50 eP 06 23.03 0.6
ZAK 93.97 324 eP 06 25.30 -0.4
1.4s 34.00nm 5.5mb
e 10 08.50
eS 17 00.00
MOY 95.88 324 eP 06 35.10 0.6
GUN 96.12 298 P 06 38.40 1.7
PKI 96.38 297 P 06 39.00 1.2
KKN 96.57 297 P 06 38.40 -0.1
DMN 96.64 297 P 06 39.00 0.1
ALQ 97.08 55 P 06 50.00 9.4X
Z 19s 0.47um 5.0Msz
GKN 97.17 297 P 06 40.60 -0.5
GOL 99.66 51 P 07 00.00 7.7X
Z 19s 0.30um 4.8Msz
CCM 109.67 56 PKP 11 50.00 10.4X
Z 20s 0.30um 4.9Msz
FVM 110.29 56 PKP 11 50.00 9.2X
Z 19s 0.57um 5.2Msz
SLM 110.58 56 PKP 11 50.00 8.7X
Z 19s 0.91um 5.4Msz
MCWV 118.71 56 PKP 12 10.00 13.1X
Z 22s 1.07um 5.4Msz
CEH 118.81 60 PKP 12 10.00 12.9X
Z 19s 0.24um 4.8Msz
HRV 125.12 53 PKP 12 20.00 11.0X
Z 21s 0.50um 5.2Msz
GRS 130.37 303 ePKP 12 21.00 1.6
1.5s 10.00nm
GRO 130.56 308 ePKP 12 23.00 3.6X
MLR 143.53 317 ePKPd 12 40.00 -3.5X
BMR 143.93 322 ePKPd 12 44.00 0.1
CMP 144.20 317 ePKPd 12 50.00 5.5X
TNR 144.49 318 ePKPd 12 40.00 -5.0X
SPC 144.83 326 ePKP 12 45.10 -0.6
IZM 145.20 305 ePKP 12 45.10 -1.3
KSP 145.64 331 ePKPd 12 47.00 0.3
1.3s 107.00nm
i 12 55.60
ePP 16 28.80
BRN 145.74 336 ePKP 12 48.00 1.2
BZS 146.12 320 iPKPc 12 48.00 0.3
TIM 146.29 320 iPKPd 12 48.00 0.1
BRG 146.63 333 ePKP 12 49.60 1.3
1.7s 80.00nm
e 16 30.60
CLL 146.68 334 ePKP 12 49.00 0.6
1.7s 62.00nm
i 12 59.70
SRO 146.69 325 iPKP 12 52.00 3.5X
ZST 147.07 327 ePKP 12 52.10 3.0X
EKA 147.13 354 PKPc 12 49.80 0.8
1.0s 29.20nm
UZD 147.31 323 ePKP 12 51.30 1.8
VAY 147.56 312 iPKP 12 50.70 0.6
BCAO 147.60 240 iPKPc 12 52.00 1.0
0.9s 99.00nm
ic 12 55.20
id 13 02.10
id 13 29.10
WIT 147.61 342 ePKP 12 52.50 2.7X
MOX 147.75 335 ePKP 12 52.30 2.1X
1.6s 51.00nm
Z 20s 0.20um 4.9Msz
N 22s 0.20um
SKO 148.03 314 iPKP 12 52.00 1.1
i 12 56.50
i 13 05.80
KHC 148.09 331 PKP 12 53.00 2.2X
1.2s 27.50nm
e 13 04.50
GEC2 148.24 331 PKP 12 51.50 0.4
0.9s 4.00nm
WTS 148.29 341 ePKP 12 54.50 3.6X
1.0s 24.00nm
DBN 148.66 343 ePKP 12 56.00 4.5X
e 15 00.00
GRF 148.66 334 ePKP 12 55.00 3.3X
Z 22s 0.20um 4.9Msz
DMU 148.83 357 ePKP 12 54.50 2.7X
1.4s 143.00nm
OHR 148.85 313 iPKP 12 55.30 3.0X
PTJ 149.16 325 ePKP 12 54.60 1.9
ZAG 149.20 324 ePKP 12 54.50 1.9
DCN 149.40 358 ePKP 12 55.80 3.2X
1.3s 172.00nm
DLF 149.42 357 ePKP 12 55.80 3.2X
1.2s 119.00nm
BHG 149.44 330 iPKPc 13 01.20 8.3X
ENN 149.63 341 ePKP 12 57.50 4.5X
1.0s 10.00nm
VBY 149.79 325 e(PKP)12 58.80 5.3X
e 13 04.40
LJU 149.81 326 ePKP 12 57.80 4.3X
CEY 150.07 326 ePKP 12 57.90 3.9X
VOY 150.15 327 e(PKP)12 57.70 3.6X
e 13 04.30
HCG 150.15 353 ePKP 12 57.90 4.1X
HAE 150.30 352 ePKP 12 58.70 4.7X
FVI 150.30 329 PKP 13 06.10 11.9X
VAL 150.83 1 ePKP 13 08.00 13.2X
OGA 150.92 331 iPKPc 13 02.30 6.9X
WLS 151.18 337 PKP 13 02.07 6.5X
CDF 151.21 337 PKP 13 02.25 6.6X
CTI 151.24 329 PKP 13 04.60 8.8X
FEL 151.38 335 PKP 13 02.60 6.6X
ECH 151.42 337 PKP 13 02.38 6.5X
MOF 151.73 336 PKP 13 03.18 6.7X
VITF 151.83 338 PKP 13 03.68 7.2X
BSF 151.87 337 ePKP 13 00.00 3.3X
1.3s 36.10nm
HAU 151.89 338 ePKP 13 00.00 3.4X
1.1s 21.00nm
Z 21s 0.17um 4.8Msz
LOMF 152.27 336 PKP 13 05.27 8.0X
ARV 152.36 324 PKP 13 10.10 12.7X
TDS 152.54 314 PKP 13 07.50 9.7X
VAI 152.69 332 PKP 13 04.50 6.8X
FLN 153.12 347 ePKP 13 02.10 3.8X
1.3s 46.55nm
Z 22s 0.25um 5.0Msz
ORO 153.22 333 PKP 13 16.30 17.6X
LOR 153.36 340 ePKP 13 06.10 7.4X
1.4s 35.30nm
Z 21s 0.35um 5.2Msz
SOI 153.51 311 PKP 13 06.10 7.0X
GRR 153.55 347 ePKP 13 04.70 5.8X
0.9s 10.00nm
LBF 153.57 339 ePKP 13 05.40 6.4X
1.3s 27.80nm
SSF 153.66 340 ePKP 13 07.80 8.7X
1.5s 40.20nm
LPL 153.82 334 ePKP 13 10.60 10.9X
1.3s 18.05nm
LPG 153.83 334 ePKP 13 10.30 10.5X
1.5s 46.50nm
SMF 153.92 339 ePKP 13 08.80 9.3X
1.4s 51.85nm
LPF 153.93 347 ePKP 13 04.20 4.8X
1.2s 29.75nm
AVF 153.95 340 ePKP 13 03.70 4.2X
1.5s 43.85nm
BNI 154.22 334 PKP 13 10.90 10.8X
MAF 154.70 341 ePKP 13 09.30 8.8X
1.4s 27.00nm
TCF 154.75 341 ePKP 13 07.50 6.9X
1.4s 25.25nm
MFF 155.09 345 ePKP 13 08.00 7.0X
1.4s 29.20nm
S.D. = 1.2 on 85 of 169 obs.

JUN 01, 1992 08h 45m 34.31± 0.68s
38.291 N ± 6.6km 21.611 E ± 7.4km
DEPTH = 10.0km (geophysicist)
3.6mb (1 obs.)
GREECE (364)
ML 3.3 (ATH).

VLS 0.81 262 ePg 45 50.00 -0.1
ATH 1.69 100 ePb 46 04.00 0.0
VLI 1.89 146 ePb 46 07.00 0.1
KEK 2.00 316 ePg 46 14.00 5.5X
KZN 2.02 3 ePn 46 09.50 0.7
OHR 2.89 348 ePn 46 21.00 -0.2
VAY 3.11 13 ePn 46 23.60 -0.7
SKO 3.68 358 ePn 46 32.70 0.3
HFS 22.43 350 eP 50 30.60 -3.8X
0.4s 0.90nm 3.6mb
S.D. = 0.5 on 7 of 9 obs.

? JUN 01, 1992 08h 53m 17.52± 0.41s
25.359 S ± 7.4km 179.496 E ±11.7km
DEPTH = 520.0km (geophysicist)
4.4mb (6 obs.)
SOUTH OF FIJI ISLANDS (171)

WCZ 11.44 202 P 55 54.60 3.6X
KUZ 11.80 195 P 55 56.80 2.1
HBZ 12.25 184 eP 55 59.00 -0.3
PUZ 12.72 184 eP 56 03.20 -1.1
eS 58 23.30
WLZ 12.91 194 P 56 07.70 1.6
URZ 13.02 188 eP 56 05.50 -1.8
eS 58 26.70
NOZ 13.28 185 P 56 09.80 -0.1
MOZ 13.70 196 P 56 16.30 2.1
NGZ 14.16 192 eP 56 17.80 -1.3
PGZ 15.45 189 eP 56 30.60 -1.2
MNG 15.58 191 P 56 33.20 0.1
ASPA 41.37 262 iPd 00 19.70 0.4
0.3s 4.60nm 4.5mb
WB2 41.86 268 iPd 00 23.00 -0.2
0.3s 8.80nm 4.8mb
WRA 41.87 268 P 00 23.50 0.2
0.6s 2.90nm 4.0mb
WARB 47.32 257 eP 01 05.00 -0.6
PEC 84.19 48 eP 04 54.70 -0.1
0.9s 3.70nm 4.0mb
ORV 84.83 42 eP 04 57.70 0.0
GLA 85.31 50 eP 05 01.39 1.1
BONR 85.83 45 eP 05 02.84 -0.1
TNP 86.60 45 iPd 05 07.00 0.5
0.9s 10.35nm 4.6mb
RMW 89.65 35 iPc 05 20.47 0.1
MSU 90.12 47 iP 05 23.63 0.7
SRU 91.53 47 eP 05 28.86 -0.5
FBA 93.47 13 eP 05 35.59 -1.9
GOL 95.27 48 eP 05 46.87 0.3
0.8s 2.36nm 4.4mb
UPP 143.29 345 iPKP 11 49.40 -3.6X
NB2 143.44 350 PKP 11 50.30 -3.1X
0.7s 9.40nm
HFS 143.88 348 ePKP 11 51.30 -2.7X
0.3s 26.80nm
KSP 151.47 337 iPKPc 12 10.00 3.7X
CLL 152.10 342 iPKP 12 14.50 7.3X
0.9s 14.00nm
BRG 152.21 340 i(PKP)12 14.40 7.0X
GEC2 154.05 338 PKP 12 18.30 8.2X
0.7s 0.67nm
S.D. = 1.1 on 24 of 32 obs.

? JUN 01, 1992 08h 58m 25.27± 3.30s

01d 08h

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   5.957 S ±27.4km  147.673 E ±30.2km
  DEPTH = 109.6 ± 13.0 km
  4.7mb ( 2 obs.)
 EASTERN NEW GUINEA REG., P.N.G. (207)

FINC    0.68 164 ePd    58 43.90   0.3
LAT     0.96 224 iPd    58 46.70   0.4
YYYY    1.72 260 eP     58 56.40   1.1
MDG     2.01 290 eP     58 57.70  -1.2
PMG     3.47 189 eP     59 17.70  -0.6
                 eS     00 03.00
OIS    16.49 208 eP     02 10.00  -1.5
                 i      02 15.00
WB2    19.00 222 iPc    02 40.80  -0.3
      0.2s     8.50nm          4.7mb
RMQ    20.44 177 iPd    03 01.00   4.9X
ASPA   22.04 216 iPd    03 13.90   1.9
      0.3s    12.40nm          4.7mb
    S.D. = 1.5  on   8 of   9 obs.
--------------------------------------
* JUN 01, 1992  09h 17m 08.55± 0.91s
  39.682 N ± 8.9km   29.478 E ± 9.1km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                          (366)

DST     0.66 264 ePg    17 21.40  -0.3
                 iSg    17 31.90
ALT     0.80 142 ePg    17 24.10   0.0
                 eSg    17 36.10
YLV     0.89 355 ePn    17 25.40  -0.2
KCT     1.03 304 iPn    17 27.90  -0.1
BNT     1.37 300 ePn    17 34.40   0.7
    S.D. = 0.6  on   5 of   5 obs.
--------------------------------------
  JUN 01, 1992  09h 19m 52.78± 0.68s
  38.298 N ± 6.2km   21.623 E ± 6.7km
  DEPTH =  10.0km  (geophysicist)
 GREECE                          (364)
     MD 3.0 (ATH).

VLS     0.82 262 ePb    20 08.80   0.1
AGG     0.91  37 ePg    20 11.36   1.1
                 eSg    20 25.12
IGT     1.59 321 ePb    20 25.12   4.1X
                 eSb    20 48.00
VLI     1.89 146 ePn    20 25.50   0.1
LIT     1.92  20 ePn    20 26.20   0.3
KZN     2.01   3 ePn    20 27.50   0.3
PAIG    2.28  44 ePn    20 30.32  -0.7
                 eSn    20 58.92
FNA     2.49 356 ePn    20 33.92  -0.1
GRG     2.72  13 ePn    20 36.80  -0.6
OUR     2.74  41 ePn    20 37.04  -0.5
OHR     2.88 348 ePn    20 39.50  -0.1
    S.D. = 0.6  on  10 of  11 obs.
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  JUN 01, 1992  09h 25m 55.92± 0.36s
  39.836 N ± 4.6km  143.218 E ± 6.4km
  DEPTH =  32.9km  (  5 depth phases)
  4.9mb ( 32 obs.)  4.3Msz (  2 obs.)
 OFF EAST COAST OF HONSHU, JAPAN (229)

OFUJ    1.42 238 iPd    26 20.00   0.4
                 S      26 39.30
AOMJ    2.30 289 P      26 32.90   0.7
                 eS     27 02.20
HOOJ    2.55   1 P      26 35.90   0.2
                 eS     27 02.80
YAMJ    2.98 237 iP+    26 42.60   0.6
MRRJ    3.05 329 eP     26 43.40   0.5
                 eS     27 21.20
KUSJ    3.45  18 P      26 47.00  -1.6
                 S      27 25.60
NIIJ    4.20 233 P      27 00.00   0.7
ASAJ    4.30 354 P      26 59.90  -0.8
KAKJ    4.35 214 P      27 00.10  -1.3
CHJJ    5.04 223 P      27 10.70  -0.6
                 eS     28 11.90
MAT     5.14 232 iPc    27 13.40   0.8
      0.8s    78.36nm          5.2mb
                 eS     28 28.00
MTMJ    5.36 234 P      27 16.70   0.9
IIDJ    6.05 226 P      27 26.00   0.5
                 eS     28 38.00
TSRJ    7.16 235 P      27 42.00   1.0
SSE    19.91 251 P      30 25.50  -2.1
      1.0s     9.00nm          4.0mb

        Z  16s       0.40um
        E  12s       0.30um
                 sP     30 37.50
BJI    20.71 279 eP     30 31.50  -4.3X
       1.2s    20.00nm         4.4mb
        Z  16s       0.58um    4.0MszX
LZH    31.10 276 eP     32 12.00  -1.5
       1.2s    40.00nm         5.1mb
        Z  14s       0.60um    4.4MszX
        E  12s       0.44um
                 pP     32 19.50  26km
                 sP     32 22.00
KMI    36.84 259 Pd     33 03.00  -0.1
       1.0s    90.00nm         5.6mb
                 pP     33 12.50  32km
CHG    43.38 254 ePc    33 57.30   0.2
       1.0s    10.50nm         4.5mb
                 eSg    02 25.80
IMA    43.56  32 ePc    34 07.90   9.8X
       0.6s     7.60nm         4.6mb
FBA    45.98  34 eP     34 17.96   0.6
LAT    46.39 175 eP     34 14.20  -6.8X
GUN    48.33 274 P      34 35.80  -0.9
KKN    48.85 274 P      34 40.00  -0.5
PKI    48.86 274 P      34 39.80  -0.9
DMN    49.07 274 P      34 41.60  -0.7
GKN    49.24 275 P      34 42.60  -0.8
MBC    53.44  17 eP     35 15.00   0.7
       1.0s     4.00nm         4.4mb
WB2    60.04 190 eP     36 00.90  -1.0
       0.9s     4.40nm         4.6mb
WRA    60.04 190 P      36 01.10  -0.8
       0.9s     2.90nm         4.4mb
YKA    60.68  31 eP     36 04.90  -0.9
       0.7s     0.50nm         3.8mb X
QUE    61.48 287 eP     36 11.30  -0.7
KAF    66.47 333 iP     36 42.60  -1.2
       0.6s     4.20nm         4.7mb
OBN    66.70 323 eP     36 40.00  -5.4X
       0.8s    17.00nm         5.2mb
        Z  16s       0.60um    4.9MszX
        N  16s       0.50um
                 e      36 55.00  54kmX
NUR    68.14 332 iP     36 53.20  -1.2
       0.4s     4.20nm         4.9mb
HFS    72.11 336 eP     37 17.60  -1.0
       0.7s     9.00nm         4.9mb
        Z  18s       0.14um    4.3Msz
                 LR     06 24.00
NB2    72.15 338 P      37 18.00  -0.8
       0.8s     9.00nm         4.8mb
OJC    77.49 327 eP     37 50.00   0.5
                 e      38 05.50  55kmX
KSP    78.45 329 eP     37 55.20   0.4
BRG    79.35 330 i(P)   38 11.00  11.3X
CLL    79.36 331 eP     37 59.00  -0.7
       1.1s    10.00nm         4.7mb
PRU    79.82 329 eP     38 02.80   0.6
                 e      38 13.50  34km
KHC    80.88 329 P      38 08.50   0.5
       1.0s     5.40nm         4.5mb
                 e      38 19.50  36km
EKA    80.95 341 Pc     38 08.50   0.4
       0.9s     3.50nm         4.4mb
GEC2   81.06 329 Pc     38 08.40  -0.6
       0.7s     1.83nm         4.2mb
GRF    81.34 331 e(PKP)38 11.60    1.3
                 e      38 22.90  37km
SKO    82.95 320 eP     38 19.20   0.4
CDF    83.85 332 eP     38 23.70   0.3
       0.7s     3.95nm         4.7mb
OHR    83.92 320 eP     38 24.00   0.2
LOR    86.03 334 eP     38 34.50   0.3
       0.9s    13.75nm         5.2mb
        Z  20s       0.13um    4.3Msz
LBF    86.23 333 eP     38 35.40   0.1
       0.8s     8.35nm         5.0mb
SSF    06.33 334 eP     38 36.10   0.4
       0.9s    11.30nm         5.1mb
LPL    86.50 331 eP     38 37.40   0.6
       0.9s     8.70nm         5.0mb
LPG    86.51 331 eP     38 37.50   0.5
       0.8s     6.30nm         4.9mb
GRR    86.56 337 eP     38 37.40   0.6
       0.9s    13.60nm         5.2mb
SMF    86.57 333 eP     38 37.50   0.6
       0.9s     5.55nm         4.8mb

AVF    86.61 334 eP     38 37.60   0.5
       0.8s    17.20nm         5.3mb
LPF    86.93 337 eP     38 39.40   0.8
       1.0s    14.10nm         5.1mb
MAF    87.38 334 eP     38 41.80   1.0
       1.0s    10.00nm         5.0mb
LSF    87.70 334 eP     38 43.10   0.7
       0.9s    13.60nm         5.2mb
MFF    87.93 336 eP     38 44.30   0.9
       0.9s     9.15nm         5.1mb
ZOBO  144.03  58 PKP    45 27.40  -3.5X
LPB   144.23  59 ePKP   45 47.00  16.1X
CNCB  144.51  59 PKP    45 32.70   1.1
CCH   146.13  57 ePKP   45 34.00   0.0
    S.D. = 0.8  on  58 of  65 obs.
--------------------------------------
* JUN 01, 1992  10h 06m 18.12± 1.21s
  65.944 N ±12.9km  156.328 W ± 7.8km
  DEPTH =  33.0km  (normal)
 NORTHERN ALASKA                 (676)
     ML 3.1 (PMR).

IMA     1.09  82 iPc    06 37.29   0.0
                 eS     06 50.52
TTA     3.03 177 ePn    07 04.08  -0.9
FBA     3.72 102 ePn    07 13.69  -0.9
                 S      08 09.84
ANM     4.05 254 ePn    07 19.46   0.2
SVW     4.87 176 eP     07 31.00   0.1
PMR     5.41 141 eP     07 39.00   0.5
TOA     5.89 126 eP     07 46.30   0.9
    S.D. = 0.8  on   7 of   7 obs.
--------------------------------------
  JUN 01, 1992  10h 35m 07.77± 0.37s
  40.487 N ± 4.1km   29.239 E ± 3.1km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                          (366)

YLV     0.13  52 iPg    35 10.70  -0.3
IZI     0.23 130 iPg    35 12.50  -0.3
                 iSg    35 15.50
GBZT    0.34  27 ePg    35 15.20   0.4
                 iSg    35 21.20
HRT     0.47  44 iPg    35 17.10  -0.2
                 iSg    35 24.10
EYL     0.70  83 iPg    35 20.90  -0.9
                 eSg    35 31.90
KCT     0.71 251 iPg    35 20.90  -1.0
                 iSg    35 31.40
GPA     0.84 103 ePg    35 24.50   0.5
CTT     0.90 317 iPg    35 25.40   0.4
                 iSg    35 38.90
DST     1.00 208 iPn    35 27.30   0.6
BNT     1.02 263 iPn    35 26.90  -0.1
EDC     1.06 263 ePn    35 27.00  -0.7
KGT     1.48 269 ePn    35 35.00   0.6
ALT     1.58 155 ePn    35 36.60   0.6
DMK     1.74 320 ePn    35 38.50   0.3
    S.D. = 0.6  on  14 of  14 obs.
--------------------------------------
? JUN 01, 1992  11h 20m 51.73± 4.21s
   4.358 S ±31.0km  103.181 E ±10.3km
  DEPTH = 158.2 ± 29.7 km
  4.5mb ( 11 obs.)
 SOUTHERN SUMATERA, INDONESIA    (274)

IPM     9.13 346 eP     23 01.00  -0.3
PCI    16.99  79 e(P)d  24 42.10   0.6
       0.6s     2.70nm         3.0mb
                 e      26 12.50
CHG    23.40 350 ePd    25 48.50   1.0
       0.9s     8.61nm         4.2mb
ASPA   35.30 126 iPc    27 28.50  -5.1X
       0.4s    25.90nm         5.3mb
PKI    36.08 333 P      27 40.20  -0.1
GUN    36.16 334 P      27 40.70  -0.3
DMN    36.25 332 P      27 41.20  -0.5
KKN    36.33 333 P      27 41.60  -0.7
GKN    36.80 332 P      27 45.80  -0.4
QIS    38.90 118 eP     27 59.00  -4.7X
LZH    40.24   1 Pd     28 15.60   1.0
       1.5s    23.00nm         4.6mb
NDI    41.26 324 eP     28 21.80  -1.1
STK    45.22 132 eP     28 50.00  -4.8X
       0.5s     6.70nm         4.5mb
                 e      28 59.20
                 eS     34 31.60
```

```
MAT      52.20  36 eP      29 47.00  -1.5
OBN      80.44 328 iPd     32 48.00   1.0
         0.8s     20.00nm          4.9mb
KAF      87.72 333 iP      33 24.40   1.0
         0.4s      8.70nm          5.1mb
NUR      88.14 331 iP      33 26.20   0.8
         0.4s      3.80nm          4.7mb
GEC2     92.90 319 ePd     33 48.00   0.1
         0.8s      0.72nm          3.9mb
HFS      93.49 330 eP      33 51.80   1.6
         0.4s      1.30nm          4.5mb
NB2      94.74 331 P       33 56.50   0.5
         0.8s      1.20nm          4.2mb
YKA     115.64  18 ePKP    39 15.80  -0.5
         0.8s      0.40nm
LNO     144.06  27 ePKP    40 05.60  -4.8X
TUL     144.06  27 ePKP    40 08.90  -1.6
         0.6s     15.80nm
VVO     144.56  27 ePKP    40 10.80  -0.6
     S.D. = 1.0  on  20 of  24 obs.
-----------------------------------------
? JUN 01, 1992  11h 34m 03.16±10.26s
  39.426 N ±30.3km   25.551 E ±80.0km
  DEPTH =  10.0km  (geophysicist)
 AEGEAN SEA                       (365)

EZN       0.72  56 iPg     34 17.30   0.0
                   eSg     34 22.80
KGT       1.69  52 ePn     34 32.90   0.0
EDC       2.00  62 ePn     34 38.00   0.6
BNT       2.05  62 iPn     34 37.40  -0.6
KCT       2.31  68 ePn     34 41.90   0.0
DST       2.39  85 ePn     34 43.00   0.0
     S.D. = 0.5  on   6 of   6 obs.
-----------------------------------------
% JUN 01, 1992  11h 39m 10.36± 0.65s
  44.433 N ± 5.4km    7.295 E ± 5.9km
  DEPTH =  13.9 ±  6.3 km
 NORTHERN ITALY                   (545)
     ML 1.7 (GEN).

DOI       0.08 333 Pc      39 13.50   0.0
                   eSg     39 15.20
PZZ       0.16 298 P       39 14.57   0.1
                   S       39 16.85
STV       0.19 174 P       39 14.97   0.0
                   S       39 17.59
ENR       0.22 156 P       39 15.55   0.0
                   S       39 18.60
BHB       0.41 357 P       39 18.53  -0.4
                   S       39 23.71
ROB       0.44 108 P       39 19.56   0.2
                   S       39 25.49
RRL       0.61 323 P       39 22.67   0.2
                   S       39 30.51
IMI       0.68 140 P       39 23.59   0.1
                   S       39 32.57
FIN       0.69 108 P       39 24.09   0.4
                   S       39 32.64
PCP       0.90  83 P       39 27.89   0.6
                   S       39 39.83
     S.D. = 0.3  on  10 of  10 obs.
-----------------------------------------
? JUN 01, 1992  12h 08m 34.67± 0.97s
  45.974 N ±10.0km   14.200 E ± 6.4km
  DEPTH =  10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION       (383)
     MD 2.3 (LJU), 1.4 (TRI).

VOY       0.22 285 ePg     08 39.30  -0.2
                   eSg     08 43.50
LJU       0.24  73 ePg     08 40.00   0.2
                   iSg     08 43.50
CEY       0.28 146 ePg     08 40.40  -0.2
                   eSg     08 45.90
TRI       0.40 229 ePgc    08 43.20   0.3
                   iSg     08 50.00
     S.D. = 0.4  on   4 of   4 obs.
-----------------------------------------
% JUN 01, 1992  12h 27m 19.97± 1.55s
  41.995 N ±12.6km   19.047 E ± 9.4km
  DEPTH =  10.0km  (geophysicist)
 ALBANIA                          (391)
     ML 1.6 (TTG).

ULC       0.15 102 iPgc    27 23.61   0.0
                   iSg     27 26.40
BDV       0.33 331 iPgd    27 26.90   0.1
                   iSg     27 33.59
TTG       0.46  20 iPgd    27 29.17  -0.2
                   iSg     27 36.59
HCY       0.61 318 iPgc    27 32.02  -0.2
                   iSg     27 42.27
NKY       0.82 357 iPgc    27 36.10   0.2
                   iSg     27 48.65
BRY       0.98 338 iPgd    27 38.77   0.1
                   iSg     27 53.96
     S.D. = 0.2  on   6 of   6 obs.
-----------------------------------------
% JUN 01, 1992  12h 56m 51.49± 0.70s
  40.662 N ± 7.9km   29.019 E ± 5.1km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                           (366)

YLV       0.29 109 iPg     56 57.30  -0.2
                   eSg     57 01.30
HRT       0.52  72 iPg     57 02.00   0.0
KCT       0.65 231 iPg     57 03.30  -1.2
                   eSg     57 13.80
CTT       0.66 318 iPg     57 04.80   0.2
                   iSg     57 14.30
BNT       0.89 250 ePg     57 09.30   0.7
                   eSg     57 22.30
EDC       0.94 251 ePg     57 09.00  -0.3
DST       1.10 196 ePn     57 13.00   0.9
     S.D. = 0.9  on   7 of   7 obs.
-----------------------------------------
  JUN 01, 1992  12h 59m 44.07± 0.89s
  18.581 N ± 7.2km  102.895 W ± 6.6km
  DEPTH =  77.2 ±  6.4 km
  4.7mb ( 21 obs.)
 MICHOACAN, MEXICO                ( 57)

CGX       1.24 334 iPd     00 05.48  -0.9
                   iS      00 23.54
MRX       1.96  55 iPc     00 17.16   1.3
                   iS      00 43.50
III       3.26  93 iP      00 34.04  -0.1
AGX       3.33  10 iP      00 36.07   1.3
ACX       3.36 120 iP      00 32.90  -2.4
                   iS      01 11.00
IIA       4.05  81 eP      00 46.15   1.2
PPM       4.07  83 iP      00 47.04   1.3
IIT       4.37  84 iP      00 49.30  -0.4
                   (S)     01 46.57
IISM      5.24  85 iP      01 03.10   1.4
MZX       5.66 325 iP      01 06.53  -0.9
OXX       6.07 103 iP      01 13.01  -0.3
LVVM      6.20  78 iP      01 15.00   0.0
MED      16.59  13 iPd     03 33.50   0.3
ALQ      16.60 350 eP      03 35.51   2.0
UYO      17.25  24 iPd     03 41.00  -0.4
OCO      17.55  15 e(P)    03 47.50   2.5
VVO      17.86  19 eP      03 48.70  -0.1
TUL      18.37  19 ePd     03 53.90  -1.2
         0.5s     52.40nm          5.0mb
     Z  18s      0.63um
                   e       04 05.70
                   eS      07 25.00
                   LR      09 30.00
LNO      18.37  19 eP      03 53.60  -1.4
PLM      19.31 322 eP      04 07.60   1.7
OLY      19.66  29 eP      04 07.89  -1.5
PV10     20.44 346 eP      04 16.00  -1.8
PWLA     20.98  36 eP      04 21.64  -1.3
GOL      21.15 355 eP      04 26.10   1.1
         1.2s     19.65nm          4.3mb
     Z  20s      1.41um            4.3Msz
ARUT     21.24 336 eP      04 26.74   0.9
MSU      21.44 340 eP      04 27.66  -0.2
SRU      21.50 344 eP      04 26.94  -1.5
ABL      21.75 321 eP      04 31.85   0.9
CCM      21.91  25 eP      04 30.41  -1.8
         0.7s      8.47nm          4.3mb
FVM      22.19  27 eP      04 33.37  -1.6
         0.5s     22.85nm          4.9mb
                   i       04 47.13
SLM      22.82  26 P       04 50.00   8.9X
     Z  20s      1.02um            4.3Msz
DAU      22.92 343 eP      04 42.93   0.5
TNP      23.11 330 (P)     04 45.73   1.6
TKL      23.99  41 eP      04 50.80  -1.7
HVU      24.61 342 eP      04 59.24   0.6
ARN      24.83 323 eP      05 01.53   0.9
LHS      25.24  47 eP      05 02.39  -2.0
CEH      27.18  46 P       05 30.00   7.7X
     Z  22s      0.16um            3.5Msz
LBFM     27.91 328 eP      05 28.85  -0.2
LRM      28.30 346 eP      05 32.10  -0.4
MCWV     28.94  39 P       05 50.00  11.9X
     Z  21s      0.50um            4.1Msz
EEO      34.17  30 eP      06 23.50  -0.3
HRV      35.68  41 P       06 40.00   3.3X
     Z  19s      0.14um            3.7Msz
FCC      40.64   7 eP      07 31.00  13.2X
LMN      41.56  41 eP      07 21.50  -4.1X
YKA      44.62 352 eP      07 48.50  -1.7
         1.0s      3.40nm          4.1mb
SIT      45.36 336 P       08 10.00  13.9X
     Z  20s      0.61um            4.5Msz
ZOBO     48.70 133 P       08 22.80  -0.7
LPB      48.89 133 P       08 36.00  11.3X
CNCB     49.16 134 P       08 27.30   0.3
CCH      50.83 133 eP      08 39.00  -0.4
HON      51.65 283 P       08 50.00   4.7X
     Z  21s      0.24um            4.2Msz
PMR      53.71 335 P       09 10.00  10.1X
     Z  20s      0.25um            4.3Msz
RND      54.58 337 eP      09 06.26  -0.2
REF      54.67 332 eP      09 06.62  -0.7
FBA      55.04 338 eP      09 08.08  -1.6
         0.8s      9.50nm          4.9mb
SVW      56.23 332 eP      09 16.82  -1.6
         1.4s     33.28nm          5.2mb
                   e       09 29.46
                   e       09 34.56
SDN      56.61 325 P       09 30.00   8.9X
     Z  21s      0.83um            4.8Msz
TTA      57.17 334 iPd     09 23.66  -1.5
         0.9s     12.55nm          5.0mb
                   e       09 37.14
MBC      58.32 355 ePc     09 32.40  -0.4
         1.0s      6.00nm          4.7mb
PDCR     70.06 111 eP      10 49.70  -0.5
DCN      78.59  37 eP      11 39.00   0.3
DMU      78.65  37 eP      11 39.00   0.0
EKA      80.31  35 Pc      11 48.60   0.7
         0.7s      2.80nm          4.3mb
GRR      84.02  41 eP      12 08.10   0.9
LPF      84.03  41 eP      12 08.10   0.8
         1.1s     24.90nm          5.1mb
FLN      84.11  41 eP      12 08.70   1.0
         0.9s     19.00nm          5.1mb
LDF      84.40  41 eP      12 10.10   0.9
NB2      84.95  26 P       12 12.60   0.9
         0.8s      1.50nm          4.1mb
MFF      85.12  42 eP      12 13.60   0.8
         1.2s     13.10nm          4.8mb
RJF      86.69  43 eP      12 21.30   0.7
         0.9s      7.20nm          4.8mb
TCF      86.74  42 eP      12 21.60   0.7
         0.9s      8.70nm          4.9mb
MAF      87.00  42 eP      12 22.70   0.6
         1.0s      7.20nm          4.7mb
SSF      87.25  41 eP      12 23.90   0.6
         0.8s      4.45nm          4.6mb
LOR      87.38  41 eP      12 24.60   0.7
         0.8s      5.25nm          4.7mb
LBF      87.57  41 eP      12 25.40   0.5
         1.0s      7.80nm          4.8mb
NUR      90.62  23 eP      12 41.00   2.1
GEC2     92.45  36 PKP     12 47.60  -0.1
         0.8s      0.83nm          4.2mb
WB2     126.17 259 ePKP    18 53.20  13.2X
         0.6s      4.40nm
WRA     126.18 259 PKP     18 40.20   0.2
         0.7s      0.70nm
HYB     144.20 358 ePKP    19 11.50  -2.0X
     S.D. = 1.2  on  68 of  81 obs.
-----------------------------------------
• JUN 01, 1992  13h 08m 58.75± 1.33s
  18.483 N ± 9.4km  102.953 W ±10.9km
  DEPTH =  72.5 ±  9.2 km
  4.2mb (  3 obs.)
 MICHOACAN, MEXICO                ( 57)

CGX       1.30 338 iP      09 21.37  -0.4
                   iS      09 39.33
MRX       2.06  54 iPc     09 32.27   0.4
                   iS      09 56.00
III       3.31  91 iP      09 50.05   0.6
```

01d 13h

iS 10 26.00
ACX 3.36 118 iP 09 49.03 -1.0
iS 10 25.38
AGX 3.43 10 iP 09 51.50 0.6
IIA 4.12 80 (P) 10 02.72 2.1
PPM 4.14 81 (P) 10 05.14 3.7X
IIT 4.43 82 iP 10 04.93 -0.4
IISM 5.31 84 iP 10 16.57 -0.7
OXX 6.10 102 iP 10 28.41 -0.1
LVVM 6.28 77 iP 10 30.91 0.2
ALQ 16.69 350 eP 12 49.00 -0.6
0.9s 10.29nm 4.0mb
UYO 17.36 24 iPd 12 56.90 -0.8
VVO 17.97 19 ePd 13 04.40 -0.7
ACO 18.45 10 iPc 13 12.30 1.2
TUL 18.48 19 iPd 13 10.00 -1.4
0.4s 22.80nm 4.8mb
Z 22s 0.20um 4.0MszX
e 13 21.60
LR 19 52.00
LNO 18.48 19 iPd 13 09.80 -1.5
e 13 11.30
e 13 21.60
MSU 21.51 340 eP 13 46.00 2.3
EEO 34.28 30 eP 15 40.00 0.1
LMN 41.67 40 eP 16 42.00 0.4
ZOBO 48.67 133 P 17 38.00 -0.5
MBC 58.41 355 eP 18 48.50 -0.1
PDCR 70.08 111 (P) 20 06.00 0.5
NB2 85.06 26 P 21 28.60 1.1
0.9s 1.50nm 4.0mb
HYB 144.29 358 ePKP 28 27.80 -1.1
S.D. = 1.1 on 24 of 25 obs.

& JUN 01, 1992 13h 17m 52.86s
40.268 N 124.495 W
DEPTH = 12.1km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.1 (GM).

FHC 0.66 36 iPd 18 06.04 0.2
iS 18 17.28
LBFM 2.25 61 eP 18 29.51 -1.2
ORV 2.41 106 eP 18 30.23 -2.5
3 obs. associated

JUN 01, 1992 13h 51m 21.77± 0.54s
36.659 N ± 3.0km 141.122 E ± 3.3km
DEPTH = 53.0 ± 4.4 km
5.3mb (99 obs.) 5.3Msz (43 obs.)
NEAR EAST COAST OF HONSHU, JAPAN(228)
Mo=7.9*10**17 Nm (PPT). Felt in
central and northern Honshu.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 68C
Centroid Location:
Origin Time 13:51:23.2 0.3
Lat 36.35N 0.03 Lon 141.65E 0.03
Dep 35.0 BDY Half-duration 2.5
Moment Tensor; Scale 10**17 Nm
Mrr= 1.73 0.07 Mtt=-0.33 0.12
Mff=-1.41 0.09 Mrt= 1.44 0.15
Mrf= 2.94 0.16 Mtf=-1.62 0.08
Principal Axes:
T Val= 3.55 Plg=61 Azm=285
N 0.77 8 28
P -4.32 28 123
Best Double Couple:Mo=3.9*10**17
NP1:Strike=233 Dip=18 Slip= 115
NP2: 26 74 82

KAKJ 0.89 240 iPd 51 38.40 0.2
S 51 51.30
YAMJ 1.74 331 iPd 51 50.60 0.5
eS 52 13.20
NIIJ 1.80 289 iPd 51 52.30 1.5
eS 52 16.60
CHJJ 1.82 251 eP 51 51.90 0.7
MAT 2.35 268 iPd 52 00.10 1.5
iS 52 32.30
OFUJ 2.46 10 iPd 51 58.20 -1.9
eS 52 28.50
MTMJ 2.67 269 iPd 52 05.50 2.2
IIDJ 2.85 247 P 52 08.30 2.4
eS 52 43.80
AOMJ 3.94 352 P 52 21.40 0.3
TSRJ 4.31 256 P 52 28.40 2.0
WKYJ 5.13 243 eP 52 38.60 0.6
eS 53 59.70
MRRJ 5.76 360 P 52 44.80 -1.9
HOOJ 5.96 16 eP 52 46.10 -3.4X
eS 53 51.20
TKSJ 6.37 247 P 52 55.70 0.4
SAP 6.39 1 eP 52 56.00 0.4
eS 54 12.00
SHK 7.20 255 eP 53 08.00 1.1
KUR 9.97 29 eP 53 40.00 -4.9X
0.5s 110.00nm 6.2mb
Z 16s 3.40um 4.4MszX
N 16s 3.90um
eS 55 24.00
YSS 10.42 6 ePd 53 46.30 -4.8X
0.9s 50.00nm 5.6mb
Z 13s 5.60um
N 13s 5.20um
E 13s 6.50um
iS 55 37.00
MDJ 11.82 316 eP 54 09.30 -0.8
1.3s 200.00nm 6.0mb
Z 22s 12.10um
N 18s 14.60um
E 16s 8.74um
S 56 26.00
sS 56 31.00
CN2 13.93 306 Pc 54 37.60 -0.3
0.8s 31.00nm 5.1mb
Z 19s 11.30um
N 16s 7.39um
E 16s 11.40um
epP 54 45.70
SNY 14.54 296 iPc 54 46.00 0.1
1.2s 75.00nm 5.0mb
Z 20s 20.70um
N 15s 5.90um
E 18s 10.50um
pP 54 57.00
S 57 30.00
sS 57 46.00
DL2 15.58 284 eP 55 00.00 0.7
1.0s 250.00nm 5.3mb
Z 18s 11.60um
N 12s 2.69um
E 16s 11.50um
OKH 16.94 4 eP 55 10.00 -6.4X
Z 15s 5.00um
SSE 17.45 257 Pc 55 21.00 -1.9
Z 20s 13.80um
N 15s 5.60um
E 14s 3.50um
sP 55 32.00
PP 55 38.50
SS 58 58.00
SKR 17.66 33 eP 55 20.40 -4.9X
1.0s 20.00nm 4.2mb X
Z 18s 2.50um
N 18s 2.00um
E 18s 1.50um
eS 58 36.00
NJ2 18.94 262 Pc 55 39.00 -2.2
1.0s 45.00nm 4.6mb
N 12s 1.82um
E 16s 12.60um
sP 55 54.00
TIA 19.31 276 eP 55 42.70 -2.6
1.6s 270.00nm 5.3mb
Z 20s 10.60um
N 15s 3.44um
E 15s 6.32um
BJI 19.84 287 eP 55 47.00 -3.8X
2.0s 210.00nm 5.1mb
N 15s 1.96um
E 14s 2.52um
eS 59 26.50
PET 20.45 31 iP- 55 55.00 -2.1
1.5s 180.00nm 5.2mb
Z 18s 1.60um 4.4Msz
E 18s 1.50um
e 56 14.00
eS 59 41.00
eSS 00 06.00
TIY 22.85 281 eP 56 19.50 -1.8
0.8s 52.00nm 5.0mb
Z 20s 14.50um 5.4Msz
sP 56 34.00
PP 56 55.00
WHN 23.08 262 Pd 56 23.00 -0.5
1.0s 80.00nm 5.1mb
Z 20s 11.40um 5.3Msz
N 16s 2.91um
E 15s 8.70um
pP 56 35.00 48kmX
S 00 32.00
GUMO 23.22 171 eP 56 23.80 -1.1
1.3s 555.40nm 5.8mb
Z 25s 4.18um 4.8MszX
e 56 25.90
e 56 32.00
eS 00 37.20
GUA 23.27 171 eP 56 24.00 -1.5
1.1s 567.09nm 5.9mb
e 56 32.50
HHC 23.37 289 Pc 56 24.00 -2.4
1.0s 26.00nm 4.6mb
Z 20s 6.35um 5.1Msz
N 14s 1.79um
E 15s 2.45um
MGD 24.27 12 ePc+ 56 34.00 -0.8
1.4s 90.00nm 5.1mb
Z 18s 2.80um 4.8Msz
N 18s 2.20um
E 18s 1.60um
e 56 43.00
e 57 12.00
eS 00 47.00
eSSS 01 42.00
BTO 24.55 289 P 56 35.00 -2.8
1.0s 34.00nm 4.8mb
N 17s 4.02um
E 17s 4.50um
PP 57 13.00
SS 01 55.00
CIT 24.75 317 eP 56 37.00 -2.6
Z 18s 11.08um 5.4Msz
eS 00 57.00
XAN 26.33 274 eP 56 53.50 -1.0
1.5s 83.00nm 5.1mb
N 15s 3.36um
E 15s 3.21um
pP 57 05.00 45kmX
YAK 26.37 348 iPc 56 53.60 -0.8
1.0s 292.00nm 5.8mb
Z 17s 5.70um 5.2MszX
N 17s 5.60um
E 22s 2.80um
iS 01 21.00
iSSS 02 37.00
i 07 42.00
BAG 27.18 228 eP 57 00.60 -1.8
SEY 27.18 11 eP 57 02.30 0.5
1.7s 220.00nm 5.5mb
i 57 54.00
eS 01 37.00
GZH 27.51 248 P 57 05.80 0.6
Z 16s 4.16um 5.1MszX
N 18s 2.53um
E 16s 2.77um
S 01 44.00
BOD 27.67 329 iPc 57 06.10 -0.2
0.9s 61.00nm 5.2mb
SMY 28.10 45 P 57 20.00 9.7X
Z 21s 3.26um 4.9Msz
LZH 29.90 280 Pc 57 25.00 -1.8
2.0s 160.00nm 5.4mb
Z 18s 11.90um 5.6Msz
E 16s 6.70um
pP 57 37.00 46kmX
sP 57 43.00
IRK 30.17 313 eP+ 57 27.00 -1.8
1.4s 29.00nm 4.8mb
Z 16s 5.45um 5.3MszX
N 18s 1.05um
E 17s 3.77um
e 57 34.00
e 57 40.60
e 58 29.00
ePPP 58 44.00
eS 02 26.00
ZAK 30.32 309 iPc+ 57 28.50 -1.6
1.1s 60.00nm 5.2mb
Z 15s 7.50um 5.5MszX

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     N  15s      1.92um
                 e      58 30.00
                 eS     02 28.00
GYA     30.93 261 iPc   57 34.80  -1.1
        1.0s    63.00nm          5.3mb
     Z  22s     13.10um          5.5Msz
     N  15s      2.64um
     E  15s      2.60um
                 pP     57 46.00  42kmX
                 S      02 34.00
CD2     31.44 271 P     57 39.00  -1.3
        1.0s    92.00nm          5.5mb
     Z  20s      5.56um          5.2Msz
     N  12s      2.14um
                 pP     57 50.00  41kmX
                 sP     57 58.00
                 PP     58 44.00
                 S      02 44.00
CGP     31.80 212 eP    57 41.00  -2.5
MOY     32.01 311 eP    57 44.40  -0.6
GTA     32.45 288 eP    57 47.50  -1.6
        1.5s    63.00nm          5.2mb
     Z  24s      6.03um          5.2MszX
     N  15s      2.60um
                 sP     58 04.00
                 PP     58 58.00
                 eS     03 02.00
                 ScS    08 13.00
OIZ     32.56 246 eP    57 50.50   0.4
     N  15s      1.20um
     E  16s      2.00um
                 PP     59 02.00
                 eS     03 00.00
CTB     33.14 212 eP    57 56.00   0.9
KMI     34.67 262 Pc    58 07.50  -1.1
        1.5s   370.00nm          6.1mb
     Z  20s      7.80um          5.4Msz
     N  16s      1.80um
     E  16s      4.20um
                 pP     58 19.00  42kmX
                 S      03 34.00
                 sS     03 58.00
ILT     38.49  23 iPc   58 38.50  -1.4
        1.4s    64.00nm          5.3mb
     Z  24s      1.30um          4.7MszX
     N  24s      1.30um
     E  24s      1.30um
                 i      58 45.00
                 epP    58 56.00  71kmX
                 eS     04 26.00
WMQ     40.80 297 iPc   59 00.00   0.5
        1.5s   340.00nm          5.9mb
     Z  21s      5.69um          5.4Msz
     E  15s      2.70um
                 pP     59 14.00  54kmX
                 PP     00 36.00
                 PcP    00 56.00
                 ScP    04 45.60
                 S      05 03.70
                 sS     05 33.00
                 ScS    08 58.00
CHG     40.97 256 ePc   59 02.00   0.9
        1.2s    47.27nm          5.1mb
BDT     41.83 254 eP    59 07.00  -1.1
        1.0s    48.30nm          5.2mb
LSA     42.01 275 iPc   59 11.00   0.9
        1.2s    40.00nm          5.0mb
     N  13s      1.19um
     E  15s      1.03um
                 pP     59 25.00  53kmX
                 S      05 28.00
                 sS     05 42.00
PCI     42.28 213 ePc   59 13.00   1.3
                 e      02 15.00
SDN     43.22  45 (P)   59 21.37   2.4X
        0.6s    18.17nm          5.0mb
     Z  21s      2.48um          5.1Msz
NRI     43.35 336 iPc   59 17.90  -2.0
        2.3s   118.00nm          5.2mb
     Z  18s      7.80um          5.7Msz
     N  18s      1.40um
     E  18s      3.50um
                 i      59 30.00
                 e      01 10.00
                 e      01 39.00
                 eS     05 40.00
                 eSS    09 14.00
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LAT     43.43 171 eP    59 21.50   0.4
KHT     43.62 251 iPc   59 23.80   1.1
NNT     44.13 248 iPc   59 26.70  -0.2
SEM     44.99 308 iPc+  59 33.20  -0.1
        1.8s   351.00nm          5.9mb
     Z  15s      8.00um          5.8MszX
     N  16s      1.00um
     E  16s      7.00um
                 i      59 44.80
                 i      01 19.50
                 eS     06 06.70
                 e      06 27.60
TTA     45.86  35 eP    59 41.40   1.2
SVW     45.94  37 eP    59 42.30   1.5
PMG     46.17 172 eP    59 52.00   9.0X
BRW     46.85  23 eP    59 48.70   0.9
GUN     46.96 276 P     59 49.80   0.1
SNG     47.12 242 eP    59 51.70   1.1
                 eS     06 42.00
IMA     47.13  30 eP    59 50.70   0.4
REF     47.37  38 eP    59 51.37  -0.9
PKI     47.48 276 P     59 53.60  -0.2
KKN     47.49 276 P     59 53.80   0.1
CRP     47.62  37 eP    59 54.48   0.2
DMN     47.71 276 P     59 55.40  -0.1
GKN     47.91 277 P     59 57.00   0.0
TLG     48.25 299 eP    00 02.00   2.8
        2.4s   108.00nm          5.4mb
     N  16s      3.70um
     E  18s      6.50um
                 eS     06 57.00
                 eSS    09 51.00
IPM     48.67 239 ePc   00 03.30   0.6
        1.0s    83.10nm          5.7mb
KGM     49.02 234 ePd   00 06.90   1.5
PMR     49.07  36 eP    00 03.43  -1.7
        0.9s    24.67nm          5.2mb
     Z  21s      1.23um          4.9Msz
RND     49.12  34 eP    00 04.51  -1.2
HNR     49.14 155 eP    00 01.00  -5.2X
FBA     49.54  32 eP    00 09.20   0.4
        1.4s    55.20nm          5.4mb
MTN     50.13 193 iPc   00 13.10  -0.6
KSH     50.36 294 P     00 17.00   1.5
     Z  16s      8.34um          5.8MszX
     N  18s      6.34um
     E  18s      6.73um
                 pP     00 30.00  48kmX
                 S      07 29.00
                 sS     07 46.00
KLU     50.61  36 eP    00 16.63  -0.4
KNA     53.41 195 eP    00 37.80  -0.6
NDI     53.52 281 iPc   00 38.50  -0.7
KHO     54.32 293 iPc+  00 45.20   0.0
        2.0s   180.00nm          5.8mb
     Z  15s      0.90um          5.0MszX
     N  15s      0.70um
     E  15s      0.60um
                 iS     08 22.20
HON     54.56  89 P     01 00.00  13.0X
     Z  19s      0.69um          4.7Msz
SVE     55.28 319 iP    00 52.90   1.2
     Z  17s      5.00um          5.7MszX
     N  17s      1.00um
     E  17s      3.50um
                 ePPP   04 04.00
                 eS     08 32.00
                 e      10 36.00
ARU     56.48 319 iPc+  00 59.60  -0.7
        2.0s   180.00nm          5.8mb
     Z  16s      4.00um          5.6MszX
     N  16s      1.00um
     E  16s      3.00um
                 e      01 11.50
                 e      01 59.00
                 e      03 12.00
                 eS     08 47.00
                 ePS    08 55.00
                 e      10 42.00
WB2     56.66 188 iPc   00 59.90  -2.0
        0.7s    25.80nm          5.4mb
                 iScP   06 47.80
                 eS     08 59.10
WRA     56.66 188 P     00 45.70 -16.2X
        1.5s     0.80nm
SIT     56.82  40 P     01 10.00   7.2X
     Z  19s      0.60um          4.7Msz
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OIS     56.92 182 eP    01 02.00  -1.8
                 i      01 06.00
MBC     56.95  16 ePc   01 02.90  -0.6
        1.0s    11.00nm          4.9mb
HYB     57.96 268 iPc   01 11.10  -0.2
ASPA    60.38 188 iPd   01 26.50  -1.3
        0.9s    14.50nm          5.1mb
                 e      01 39.30
                 eS     09 39.20
MBL     60.92 203 iPc   01 30.80  -0.6
POO     61.15 272 iPc   01 39.20   5.9X
APA     62.97 336 iPd   01 50.00   5.3X
RMQ     63.22 172 eP    01 46.40  -0.3
        0.8s    38.00nm          5.5mb
MAIO    63.58 297 iPc   01 49.00  -0.3
                 e      10 32.00
ASH     63.64 299 eP    01 50.00   0.5
        2.0s   230.00nm          5.9mb
     Z  15s      2.40um          5.5MszX
                 e      02 03.00
                 e      04 08.00
                 eS     10 24.00
                 PS     10 48.00
                 e      11 29.00
NANU    63.67 206 eP    01 49.00  -0.7
KEV     63.71 339 eP    01 38.00 -11.6X
WARB    63.98 194 eP    01 51.50  -0.3
        0.6s    18.00nm          5.3mb
YKA     64.25  30 eP    01 51.70  -1.5
        1.0s     5.70nm          4.5mb
KAT     64.52 301 iP+   01 56.00   0.8
     Z  16s      4.80um          5.8MszX
     N  16s      3.00um
     E  16s      4.50um
                 i      02 08.00
                 e      02 26.00
                 eS     10 33.00
                 ePS    10 50.00
                 e      11 38.00
                 eSS    14 38.00
DAG     66.14 355 iPd   02 04.10  -1.0
        0.9s    15.97nm          5.0mb
MOS     67.41 323 eP    02 13.00  -0.5
        2.2s   270.00nm          5.9mb
     Z  15s      3.60um          5.7MszX
     N  16s      3.30um
     E  16s      3.30um
                 e      02 26.00
                 e      02 46.00
                 eS     11 06.00
ARMA    67.45 170 eP    02 09.00  -5.0X
GMW     67.70  47 eP    02 14.99  -0.5
BMW     67.98  48 eP    02 17.47   0.2
STK     68.18 180 eP    02 17.50  -0.9
        0.5s     4.30nm          4.7mb
OBN     68.25 323 (P)   02 10.00  -8.7X
     Z  18s      3.60um          5.6Msz
     N  14s      0.60um
     E  16s      2.00um
                 e      04 48.00
                 eS     11 14.00
                 ePS    11 40.00
                 e      12 10.00
BAK     68.25 305 iPc   02 20.00   1.0
                 iS     11 18.00
RMW     68.32  46 eP    02 18.98  -0.4
PUL     68.40 329 (P)   02 18.00  -1.5
     Z  18s      1.90um          5.4Msz
     N  18s      1.20um
     E  18s      1.30um
                 e      02 30.00
                 eS     11 16.00
                 e      11 41.00
KAF     68.53 333 iP    02 19.50  -0.9
        0.6s    10.80nm          5.0mb
PNT     68.60  44 eP    02 21.00  -0.1
SHE     68.96 305 iPc   02 21.00  -2.3
        1.0s    40.00nm          5.3mb
     Z  16s      2.50um          5.5MszX
     N  16s      6.00um
     E  16s      6.00um
                 iS     11 31.00
GRO     69.45 309 eP    02 26.00  -0.3
     Z  18s      3.50um          5.6Msz
     N  14s      2.00um
     E  16s      6.50um
                 (S)    12 00.00
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01d 14h

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MRWA    69.65 203 eP     02 28.00   0.4
COOL    69.75 198 eP     02 30.00   1.8
DPW     70.17  45 eP     02 30.32  -0.4
NUR     70.17 332 iP     02 29.80  -0.6
        0.3s      3.80nm            4.8mb
                  eS     11 36.00
NEW     70.56  44 eP     02 32.59  -0.5
        1.5s     55.39nm            5.3mb
PYA     70.71 311 eP     02 33.00  -1.0
        2.0s    220.00nm            5.7mb
    Z  18s        2.00um            5.4Msz
                  eS     12 30.00
BAL     70.72 202 eP     02 35.00   0.9
MTA     70.87 308 iP     02 33.00  -2.0
    Z  16s        0.50um            4.9MszX
    N  16s        1.00um
    E  16s        1.50um
                  e      02 44.00
                  eS     11 45.00
                  ePS    12 16.00
                  i      12 32.00
KIV     70.98 311 iP     02 36.00   0.2
    Z  17s        1.94um            5.4MszX
                  i      02 47.70
                  iS     11 48.00
                  iPS    12 10.20
                  e      12 35.20
BWA     71.04 174 eP     02 35.90  -0.1
                  e      02 48.90
GRS     71.06 305 iPc    02 36.40   0.0
        2.0s     70.00nm            5.2mb
    Z  18s        1.48um            5.3Msz
    N  20s        1.18um
    E  20s        1.62um
                  e      05 16.00
                  eS     12 20.00
LBFM    71.48  52 eP     02 39.02   0.0
                  epP    02 48.97  32kmX
ERE     71.88 307 iP+    02 42.00   0.8
                  eS     12 44.00
SHI     71.96 294 eP     02 41.00  -0.9
CAN     71.99 173 eP     02 41.30  -0.3
                  e      02 54.30
SES     72.60  40 ePd    02 44.70  -0.5
                  pP     02 58.00  46kmX
ORV     72.71  53 (P)    02 45.49  -0.5
SOC     72.97 312 eP     02 47.00  -0.4
        2.0s    900.00nm            6.4mb X
    Z  20s        2.00um            5.4Msz
    N  18s        2.00um
    E  19s        1.00um
                  e      03 00.00
UPP     73.19 334 iP     02 47.80  -0.6
                  iS     12 12.00
MNK     73.20 325 eP     02 48.00  -0.5
    Z  14s        3.30um            5.8MszX
    N  16s        1.25um
                  eS     12 08.00
BFD     73.48 179 e(P)   02 36.00 -14.2X
ANN     73.65 314 eP     02 51.00  -0.3
    Z  18s        1.50um            5.3Msz
    N  18s        1.70um
    E  18s        1.70um
                  e      03 03.00
GDH     73.85   5 eP     02 40.00 -12.0X
                  i      03 04.00
                  e      12 20.00
ARN     73.91  55 eP     02 53.34   0.3
HFS     74.33 336 eP     02 54.20  -0.8
        0.9s     14.20nm            4.9mb
    Z  18s        3.38um            5.7Msz
                  LR     31 15.00
FCC     74.44  26 ePc    02 56.80   1.2
NB2     74.44 337 P      02 55.50  -0.2
        0.8s     16.50nm            5.0mb
LRM     74.58  44 iPd    02 57.20   0.1
SIM     75.43 315 eP     03 00.00  -1.6
    Z  16s        1.50um            5.4MszX
                  e      03 12.00
                  e      12 37.00
                  e      13 00.00
BONR    75.68  53 eP     03 03.64   0.1
KONO    76.03 337 eP     03 05.00   0.3
TNP     76.30  53 eP     03 07.53   0.6
        1.0s     18.04nm            5.0mb
AKU     76.71 351 eP     03 10.80   2.4
        1.1s     25.32nm            5.1mb

HVU     76.83  48 eP     03 10.36   0.6
                  epP    03 20.80  34kmX
ABL     76.87  56 eP     03 09.93  -0.2
                  epP    03 20.33  33kmX
KIS     76.99 319 iPc+   03 09.00  -1.3
        2.0s    204.00nm            5.8mb
    Z  16s        7.20um            6.1MszX
    N  16s        3.20um
    E  16s        3.20um
                  i      03 22.00
                  iS     12 54.00
                  i      13 18.00
                  ePS    13 44.00
LVV     77.55 324 eP     03 14.00   0.7
    Z  16s        5.10um            5.9MszX
    N  16s        2.20um
    E  17s        3.60um
                  e      03 26.00
                  eS     13 23.00
PTT     78.33 321 eP     03 18.00   0.3
DAU     78.58  48 eP     03 20.17   0.5
PEC     78.81  56 eP     03 19.44  -1.2
        1.1s      8.74nm            4.6mb
VRI     78.86 320 ePd    03 22.00   1.4
ARUT    78.86  51 eP     03 21.56   0.5
MSU     79.20  50 eP     03 23.78   0.8
EMUT    79.22  48 eP     03 22.84  -0.2
                  epP    03 34.31  38kmX
OJC     79.22 326 ePd    03 23.20   0.7
        1.2s    125.00nm            5.7mb
                  i      03 36.00
ISR     79.44 319 eP     03 25.00   1.1
MLR     79.52 320 eP     03 25.00   0.6
SPC     79.75 325 eP     03 26.60   1.0
SRU     79.84  49 eP     03 26.40   0.1
                  epP    03 37.11  34kmX
ULM     79.95  33 eP     03 27.50   1.1
                  pP     03 40.50  44kmX
CMP     80.14 320 ePd    03 30.00   2.4
KSP     80.30 328 iPc    03 28.60   0.4
                  i      03 41.30
PSZ     80.83 324 iP     03 31.30   0.1
GLA     80.87  56 eP     03 30.50  -1.2
BRG     81.25 329 iPc    03 33.20  -0.1
        1.6s     70.00nm            5.4mb
                  i      03 45.50
                  eS     13 40.00
BHL     81.28 306 P      03 32.00  -1.8
CLL     81.30 330 iPc    03 33.30  -0.2
        1.2s     31.00nm            5.1mb
                  i      03 45.50
                  eS     13 39.00
HRI     81.61 305 eP     03 36.20   0.6
BZS     81.64 322 eP     03 34.00  -1.3
SRO     81.64 325 iP     03 36.70   1.4
                  i      03 48.40
                  i      05 13.60
PRU     81.68 328 Pc     03 36.30   0.8
        1.1s     15.50nm            4.9mb
    Z  18s        2.40um            5.6Msz
    N  18s        1.50um
    E  19s        1.50um
                  e      03 48.40
                  e      04 20.50
                  S      13 45.80
ZST     81.91 326 eP     03 38.10   1.4
                  e      03 50.50
MOX     82.37 330 eP     03 39.50   0.4
        2.4s     95.00nm            5.4mb
    Z  20s        1.30um            5.3Msz
    N  19s        1.40um
                  eS     13 57.00
GOL     82.49  46 eP     03 40.89   0.6
        1.5s     29.67nm            5.1mb
    Z  22s        0.60um            4.9Msz
HOF     82.53 330 iPc    03 40.70   0.7
KHC     82.74 328 iPc    03 41.60   0.5
        1.4s     33.00nm            5.2mb
    Z  18s        3.50um            5.8Msz
    N  18s        1.80um
    E  18s        2.10um
                  e      03 53.60
                  e      04 34.50
                  S      13 56.00
DSI     82.91 304 eP     03 42.90   0.7
GEC2    82.91 328 Pc     03 41.20  -0.9
        0.8s      6.56nm            4.7mb

WET     83.02 329 eP     03 43.50   1.0
ELL     83.08 311 eP     03 43.50   0.3
WTS     83.11 334 eP     03 44.00   1.1
        0.9s     10.00nm            4.8mb
GRF     83.28 330 iPKPc  03 45.00   1.2
    Z  20s        1.60um            5.4Msz
                  ic     03 57.30
KMR     83.33 327 iP+    03 44.50   0.4
EKA     83.41 340 Pd     03 45.40   1.0
        1.1s     12.30nm            4.8mb
DBN     83.60 334 eP     03 45.00  -0.4
BHG     84.12 328 iPc    03 48.90   0.8
PTJ     84.14 325 eP     03 48.10  -0.3
VAY     84.17 318 iP     03 49.20   0.7
ZAG     84.19 325 eP     03 48.50   0.0
SKO     84.31 319 iP     03 50.50   1.3
        1.8s    288.00nm            6.0mb
    Z  19s        3.80um            5.8Msz
                  i      04 03.50
                  iPP    07 07.50
                  iS     14 12.00
                  LR     44 26.00
MBH     84.37 303 eP     03 50.30   0.5
PLE     84.38 321 iPc    03 50.88   1.2
KBA     84.42 327 i(P)   03 43.30  -6.5X
        1.6s     67.30nm            5.5mb
                  i      03 51.00
                  i      04 00.60
                  e      07 06.00
ENN     84.44 333 eP     03 49.50  -0.1
        0.9s      8.00nm            4.8mb
IVA     84.46 321 eP     03 51.17   1.2
LJU     84.68 326 eP     03 49.00  -2.0
VBY     84.76 325 eP     03 52.00   0.7
                  e      04 04.60
NKY     84.96 321 iPc    03 52.75   0.2
CEY     84.96 326 eP     03 52.30  -0.1
VOY     84.98 326 e(P)   03 53.00   0.4
ALQ     85.01  50 eP     03 53.98   0.9
        0.9s      7.56nm            4.8mb
    Z  22s        0.37um            4.7Msz
TTG     85.11 321 iPc    03 53.36   0.3
BRY     85.12 322 eP     03 53.05  -0.3
OHR     85.26 319 iP     03 54.20   0.2
TRI     85.29 326 eP     04 05.20  11.3X
BDV     85.43 321 iPc    03 54.98   0.2
ULC     85.45 321 eP     03 54.80  -0.1
HCY     85.48 321 iPc    03 54.17  -0.8
DMU     85.67 342 eP     03 56.00   0.2
WLS     85.83 331 P      03 56.73   0.0
CDF     85.86 331 P      03 56.81  -0.1
SLE     85.91 330 P      03 57.66   0.6
LIBD    85.95 331 P      03 57.59   0.4
FEL     86.01 330 P      03 57.08  -0.6
ECH     86.07 331 P      03 57.76  -0.1
OSS     86.09 329 P      03 59.15   0.9
DLF     86.12 341 eP     03 59.10   1.1
        1.0s     81.00nm            5.9mb
DCN     86.27 342 eP     04 00.00   1.3
MOF     86.37 331 P      03 58.87  -0.6
VITF    86.52 332 P      04 00.06   0.0
BSF     86.52 331 eP     03 59.90  -0.3
        1.2s     23.20nm            5.3mb
BBS     86.54 331 P      04 00.37   0.1
HAU     86.55 331 eP     04 00.20  -0.1
        1.0s     21.60nm            5.3mb
    Z  20s        1.30um            5.3Msz
ETA     86.58 341 eP     04 13.70  13.5X
LOMF    86.90 331 P      04 01.59  -0.5
ECB     87.03 341 eP     04 15.90  13.5X
ECP     87.09 341 eP     04 16.20  13.5X
TMA     87.09 329 P      04 03.27   0.2
DIX     87.71 330 P      04 06.92   0.7
FIR     87.91 326 eP     04 09.00   2.2
ACO     88.10  44 iPd    04 08.80   0.9
LOR     88.11 332 eP     04 07.90   0.2
        1.4s     39.65nm            5.5mb
    Z  19s        1.20um            5.3Msz
LBF     88.30 332 eP     04 08.70   0.0
        1.6s     43.55nm            5.5mb
FLN     88.36 336 eP     04 09.00   0.1
        1.2s     26.20nm            5.4mb
    Z  21s        2.25um            5.6Msz
LDF     88.38 335 eP     04 09.30   0.3
        1.4s     35.30nm            5.4mb
SSF     88.41 333 eP     04 09.50   0.3
        1.3s     22.10nm            5.3mb
```

LPL 88.44 330 eP 04 10.40 0.7
1.0s 15.60nm 5.2mb
LPG 88.45 330 eP 04 09.60 -0.2
0.9s 21.80nm 5.4mb
SMF 88.63 332 eP 04 10.50 0.2
1.4s 47.05nm 5.6mb
AVF 88.69 332 eP 04 10.80 0.3
1.5s 71.15nm 5.7mb
GRR 88.81 336 eP 04 11.40 0.4
1.5s 73.65nm 5.8mb
LPF 89.18 336 eP 04 13.30 0.5
1.8s 106.15nm 5.9mb
MAF 89.47 333 eP 04 14.90 0.6
1.4s 36.15nm 5.5mb
TCF 89.54 333 eP 04 15.20 0.6
1 4s 27.00nm 5.4mb
EEO 89.56 26 eP 04 16.00 1.3
MEO 89.79 45 iPc 04 16.40 0.4
LSF 89.82 333 eP 04 16.20 0.3
1.2s 21.70nm 5.3mb
MFF 90.11 334 eP 04 17.70 0.5
1.3s 28.65nm 5.4mb
TUL 90.53 43 e(P) 04 19.50 0.2
RJF 90.63 333 eP 04 20.10 0.4
1.4s 27.00nm 5.4mb
Z 22s 1.25um 5.3Msz
CAF 90.75 332 eP 04 21.00 0.7
1.6s 42.60nm 5.6mb
LFF 91.23 333 eP 04 23.20 0.8
LPO 91.29 333 eP 04 23.40 0.7
CCM 91.30 39 eP 04 23.15 0.3
1.2s 15.53nm 5.3mb
Z 22s 0.40um 4.8Msz
SLM 91.35 38 P 04 30.00 6.9X
Z 21s 1.11um 5.3Msz
FVM 91.77 38 (P) 04 26.14 1.2
Z 19s 1.47um 5.4Msz
UYO 92.55 43 iPc 04 28.50 -0.2
LMN 94.61 18 eP 04 40.00 2.0
MCWV 95.21 31 P 04 50.00 9.2X
Z 22s 1.98um 5.5Msz
HRV 95.76 24 P 04 50.00 6.7X
Z 20s 0.69um 5.1Msz
CEH 98.72 32 P 05 10.00 13.3X
Z 19s 0.41um 4.9Msz
BCAO 112.72 294 ePKPd 09 40.00 -14.6X
0.7s 6.00nm
id 10 44.40
ic 10 57.00
SPA 126.47 180 ePKP 10 31.20 11.6X
1.0s 7.00nm
ZOBO 147.08 60 iPKPd 11 01.20 1.9
1.0s 28.00nm
LR 01 24.00
LPB 147.27 60 PKP 11 08.80 9.4X
Z 20s 1.42um 5.7Msz
LR 01 40.00
CNCB 147.55 60 PKP 11 03.00 3.0X
CCH 149.21 59 PKP 11 08.00 5.7X
S.D. = 1.0 on 251 of 285 obs.

% JUN 01, 1992 14h 12m 28.59± 1.03s
44.315 N ± 7.2km 7.168 E ± 8.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.3 (GEN).

STV 0.13 122 P 12 31.94 0.1
S 12 33.89
PZZ 0.20 346 P 12 33.17 0.2
S 12 35.94
ENR 0.20 116 P 12 33.07 0.0
S 12 35.94
ROB 0.50 92 P 12 38.91 0.1
S 12 45.28
BHB 0.53 7 P 12 39.12 -0.2
S 12 45.69
IMI 0.66 128 P 12 41.69 -0.1
S 12 51.12
RRL 0.66 336 P 12 41.99 0.0
S 12 52.15
FIN 0.75 98 P 12 43.01 -0.4
S 12 53.47
RSP 0.84 4 P 12 44.76 -0.1
S 12 55.63
PCP 1.01 77 P 12 48.14 0.4
S 13 02.19

S.D. = 0.2 on 10 of 10 obs.

% JUN 01, 1992 14h 50m 10.81± 0.72s
43.794 N ± 8.3km 11.890 E ± 7.9km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

SFI 0.13 348 P 50 13.40 -0.5
eSg 50 16.20
PGD 0.15 304 Pc 50 14.50 0.1
eSg 50 18.20
CRE 0.17 165 Pc 50 13.80 -1.0
eSg 50 17.00
ARV 0.82 111 P 50 27.00 0.3
eSg 50 37.50
ASS 0.92 142 P 50 29.00 0.6
PII 0.99 266 P 50 30.00 0.4
S.D. = 0.8 on 6 of 6 obs.

JUN 01, 1992 15h 44m 27.17± 0.35s
36.019 N ± 3.7km 28.272 E ± 3.0km
DEPTH = 86.0 ± 5.6 km
4.2mb (25 obs.)
DODECANESE ISLANDS (369)
MD 4.4 (ATH).

ELL 1.51 61 iPn 44 55.50 2.1
iSg 45 14.50
NPS 2.29 252 iPd 45 05.00 1.2
eS 45 30.00
IZM 2.51 342 ePn 45 05.70 -1.0
KHL 2.51 23 ePn 45 05.50 -1.3
PPCY 3.51 108 eP 45 20.80 0.3
eS 45 56.30
DST 3.59 4 iPn 45 21.00 -0.7
PRK 3.59 334 eP 45 22.00 0.4
EZN 4.10 339 iPn 45 27.80 -0.9
ATH 4.13 299 eP 45 30.50 1.3
KCT 4.22 1 iPn 45 29.20 -1.3
CSS 4.26 103 eP 45 31.00 0.0
eS 46 14.00
EDC 4.33 356 ePn 45 31.00 -1.0
BNT 4.34 356 iPn 45 30.70 -1.4
VLI 4.36 281 iPc 45 33.00 0.6
eS 46 20.00
IZI 4.41 12 iPn 45 31.80 -1.4
GPA 4.55 20 ePn 45 35.00 -0.1
YLV 4.62 10 ePn 45 34.70 -1.4
GYN 4.74 23 iP 45 37.80 0.1
FAM 4.78 101 eP 45 39.30 1.1
eS 46 29.50
NAL 4.81 29 iP 45 39.60 0.8
GBZT 4.85 11 eP 45 38.50 -0.6
HRT 4.92 12 ePn 45 39.00 -1.2
ITU 5.11 6 eP 46 12.00 29.2X
CTT 5.12 1 iPn 45 41.20 -1.7
BBTK 5.21 42 iPd 45 45.00 0.7
eS 46 42.00
SGKT 5.43 32 iP 45 48.00 0.5
DVR 5.91 29 iP 45 54.00 0.0
BHL 6.42 107 P 45 56.00 -5.0X
S 47 03.00
VLS 6.51 292 eP 46 03.20 1.0
eS 47 12.00
ATZ 6.60 117 eP 46 03.30 -0.2
eS 47 12.50
HLW 6.66 156 eP 46 03.60 -0.7
KZN 6.67 312 eP 46 06.40 1.9
VAY 6.92 322 iP 46 09.80 2.0
JVI 7.15 123 eP 46 09.60 -1.5
JARJ 7.40 118 P 46 10.00 -4.5X
KEK 7.65 301 eP 46 20.00 2.2
MKT 7.65 129 eP 46 17.40 -0.6
eS 47 38.60
OHR 7.75 313 iP 46 22.00 2.7
SAGI 7.88 135 eP 46 20.30 -0.8
eS 47 43.50
SKO 7.97 320 iP 46 23.90 1.6
i 46 31.20
JRDJ 8.13 128 P 46 24.30 -0.3
SHWJ 8.26 131 P 46 25.70 -0.7
HQL 8.83 138 iPd 46 35.30 1.4
iS 47 58.70
PVY 9.19 318 iPd 46 41.25 2.3
ULC 9.19 313 iPd 46 39.01 0.0
LCI 9.19 301 P 46 37.40 -1.6
IVA 9.42 319 iPd 46 44.61 2.5
TTG 9.48 315 iPd 46 43.70 1.0
MLR 9.63 350 eP 46 45.00 0.1
BDV 9.64 313 iPd 46 44.80 -0.2
AYN 9.66 135 ePd 46 46.95 1.6
iS 48 18.50
NKY 9.87 316 iPd 46 49.10 0.9
VRI 9.91 354 ePd 46 49.00 0.3
ROI 9.92 294 P 46 46.70 -2.1
HCY 9.93 313 iPd 46 48.24 -0.7
BRT 9.94 303 P 46 49.00 -0.1
SOI 9.98 285 P 46 47.70 -1.9
PLE 10.00 320 iPd 46 52.24 2.2
TDS 10.11 295 P 46 50.20 -1.2
CZI 10.14 292 P 46 50.50 -1.3
ORI 10.16 297 P 46 51.80 -0.3
BRY 10.18 315 iPd 46 52.46 0.0
CSI 10.18 295 P 46 52.10 -0.3
ATN 10.45 286 P 46 53.90 -2.2
MEU 10.79 280 P 46 59.70 -0.9
MGR 10.83 296 P 46 59.30 -1.8
SGO 11.15 298 P 47 04.50 -0.8
GIB 11.56 284 P 47 09.60 -1.3
WAJH 12.11 142 eP 47 15.60 -2.4
eS 49 28.00
SDI 12.61 301 P 47 26.10 1.4
PTJ 13.55 321 eP 47 37.30 0.4
VBY 13.66 318 e(P) 47 41.00 2.7
ASS 13.94 305 P 47 42.40 0.3
RIY 14.05 316 eP 47 43.90 0.6
CEY 14.26 317 eP 47 45.40 -0.8
VOY 14.74 317 e(P) 47 52.50 0.1
FIR 15.17 306 eP 48 07.00 9.2X
KBA 15.69 319 i(P) 47 58.60 -5.9X
i 48 07.80
CTI 16.02 314 P 48 10.50 1.8
GEC2 16.69 325 Pn 48 18.10 1.1
0.9s 9.78nm 4.0mb
BOB 16.76 307 P 48 17.90 0.0
OSS 17.25 314 ePd 48 26.50 2.6
FUR 17.46 319 eP 48 26.80 0.4
VAI 17.67 310 P 48 29.40 0.4
TMA 17.72 311 ePd 48 30.80 1.0
SBF 17.77 303 eP 48 29.50 -0.7
0.8s 71.75nm 5.0mb
LLS 18.02 313 ePd 48 33.90 0.5
FRF 18.21 301 eP 48 35.40 -0.2
0.7s 24.60nm 4.6mb
LMR 18.25 300 eP 48 34.70 -1.3
0.9s 17.35nm 4.3mb
MMK 18.26 310 ePd 48 36.00 -0.5
GRF 18.46 323 eP 48 39.00 0.5
DIX 18.62 309 ePd 48 40.60 -0.1
ZLA 18.68 314 ePd 48 40.90 -0.3
SLE 18.77 315 ePd 48 40.90 -1.2
LPG 18.80 307 eP 48 42.00 -0.8
0.7s 11.10nm 4.2mb
LPL 18.82 307 eP 48 42.40 -0.6
0.6s 11.25nm 4.3mb
BSF 19.79 313 eP 48 51.40 -1.7
0.9s 6.90nm 4.0mb
CDF 19.80 315 eP 48 52.20 -1.0
0.9s 8.50nm 4.1mb
OBN 19.93 14 eP 48 54.00 -0.2
1.0s 21.00nm 4.4mb
e 49 33.00
HAU 20.14 313 eP 48 55.60 -1.0
0.4s 4.95nm 4.2mb
SMF 21.11 308 eP 49 05.70 -0.7
0.7s 11.90nm 4.3mb
LBF 21.15 309 eP 49 06.00 -0.9
0.9s 13.25nm 4.3mb
LOR 21.34 309 eP 49 07.80 -0.9
0.8s 8.20nm 4.1mb
AVF 21.48 308 eP 49 09.90 -0.2
0.8s 12.65nm 4.3mb
SSF 21.48 309 eP 49 09.50 -0.6
0.9s 24.10nm 4.6mb
BGF 21.72 307 eP 49 12.20 -0.3
0.8s 8.85nm 4.2mb
CAF 21.76 302 eP 49 13.90 1.0
0.8s 8.35nm 4.2mb
MAF 21.80 306 eP 49 12.80 -0.5
0.8s 3.35nm 3.8mb
TCF 22.05 306 eP 49 16.40 0.6
0.8s 4.55nm 3.9mb
BTH 23.00 297 Pd 49 29.00 4.0X
epP 49 47.50 83kmX

01d 15h

MFF 23.70 305 eP 49 32.30 0.5
0.7s 6.40nm 4.1mb
LDF 24.31 310 eP 49 37.40 -0.3
0.5s 5.85nm 4.3mb
FLN 24.60 310 eP 49 39.50 -0.9
0.5s 6.25nm 4.3mb
GRR 24.71 309 eP 49 40.20 -1.2
0.8s 17.20nm 4.5mb
LPF 24.71 308 eP 49 40.10 -1.3
0.8s 7.40nm 4.2mb
NB2 27.30 342 P 50 04.40 -0.8
0.4s 0.30nm 3.2mb X
BCAO 32.69 198 ePd 50 56.50 3.2X
0.3s 5.00nm 4.8mb
TIC 42.23 234 P 52 15.00 1.6
KIC 42.26 234 P 52 15.20 1.5
GKN 47.89 83 P 53 00.20 1.5
DMN 48.44 83 P 53 04.40 1.4
KKN 48.50 83 P 53 04.80 1.4
PKI 48.70 83 P 53 05.80 0.7
S.D. = 1.2 on 116 of 123 obs.

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* JUN 01, 1992 15h 46m 22.54± 0.96s
50.337 N ±14.6km 19.168 E ± 6.3km
DEPTH = 10.0km (geophysicist)
POLAND (548)
ML 3.6 (WAR).

OJC 0.42 106 iPgc 46 31.20 0.1
iSg 46 37.50
RAC 0.68 248 iP 46 36.70 0.8
eS 46 47.00
SPC 1.34 148 iPnd 46 47.40 0.0
iSg 47 06.50
KSP 1.90 287 ePn 46 55.70 0.4
0.9s 76.00nm
iPg 46 59.10
iS 47 24.40
ZST 2.53 213 eP 47 10.00 5.7X
SRO 2.59 193 iP 47 14.60 9.5X
i 47 45.20
PRU 3.00 265 Pn 47 10.30 -0.6
0.5s 9.90nm
e 47 15.50
Sg 47 57.40
BRG 3.37 281 ePg 47 25.00 8.8X
eSg 48 12.00
KHC 3.82 254 Pn 47 22.10 -0.6
Pg 47 37.00
e 48 07.20
Sg 48 22.50
CLL 4.03 286 ePg 47 40.00 14.5X
eSg 48 36.00
MOX 4.83 277 (Pn) 47 37.00 0.0
(Pg) 47 56.00
eSg 48 57.00
S.D. = 0.6 on 7 of 11 obs.

& JUN 01, 1992 16h 16m 08.51s
58.044 N 155.185 W
DEPTH = 106.5km
ALASKA PENINSULA (12)
<AEIC>.

CDD 1.20 42 eP 16 30.94 -1.0
eS 16 48.03
MCNL 1.23 21 eP 16 31.27 -1.0
eS 16 48.68
KDC 1.47 101 eP 16 30.78 -4.3
SYI 1.58 68 eP 16 35.35 -1.1
eS 16 55.88
AUI 1.59 35 eP 16 35.68 -0.9
S 16 56.88
AUP 1.61 34 eP 16 35.95 -1.0
AUE 1.62 35 eP 16 36.26 -0.7
PDB 1.82 16 eP 16 38.21 -1.3
S 17 01.10
INW 2.29 27 eP 16 44.10 -1.7
INE 2.30 28 eP 16 44.69 -1.3
HOM 2.45 47 eP 16 45.25 -2.5
CNPM 2.54 52 eP 16 47.27 -1.7
eS 17 16.73
RED 2.69 26 eP 16 49.46 -1.5
RS1 2.73 26 eP 16 50.47 -1.2
RS2 2.73 26 eP 16 50.51 -1.2
RSO 2.73 26 eP 16 50.52 -1.2
REF 2.76 26 iP 16 50.24 -1.9
NNL 2.84 43 eP 16 52.10 -0.9
DFR 2.86 26 eP 16 52.10 -1.2
RDT 2.91 28 eP 16 52.31 -1.7
SVW 3.08 356 P 16 54.70 -1.6
NKA 3.38 35 eP 17 00.38 0.2
CKL 3.48 23 eP 17 00.00 -1.7
SPU 3.53 25 eP 17 00.30 -2.1
BGL 3.53 23 eP 17 00.58 -1.8
SLKM 3.55 44 eP 17 00.20 -2.4
CPKM 3.56 24 eP 17 01.31 -1.7
CRP 3.58 24 P 17 01.10 -2.1
SEW 3.61 53 eP 17 00.70 -2.7
NCG 3.70 23 eP 17 03.12 -1.7
SUA 4.10 31 eP 17 08.17 -2.1
PTE 4.23 45 eP 17 08.64 -3.2
PMS 4.30 39 P 17 10.00 -2.8
SKT 4.35 23 eP 17 10.32 -3.3
PWA 4.50 34 P 17 13.30 -2.3
PLRM 4.69 38 eP 17 15.86 -2.3
KNK 4.80 42 eP 17 16.28 -3.4
GHO 4.89 37 eP 17 17.66 -3.4
TTA 4.92 356 P 17 18.70 -2.8
HIN 5.05 58 eP 17 20.19 -3.0
SML 5.11 39 eP 17 20.62 -3.4
VZW 5.33 52 eP 17 23.57 -3.5
CVA 5.45 59 eP 17 25.14 -3.5
VLZ 5.46 52 eP 17 25.61 -3.2
KLU 5.82 50 eP 17 29.62 -4.2
BALM 7.18 60 eP 17 48.89 -3.7
46 obs. associated

& JUN 01, 1992 16h 31m 33.96s
40.321 N 124.457 W
DEPTH = 8.1km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.0 (GM).

FHC 0.60 37 ePc 31 46.39 0.4
LTCM 1.79 93 eP 32 07.89 2.6
LBFM 2.20 61 eP 32 10.66 -0.9
ORV 2.40 108 (P) 32 15.19 1.0
KVN 5.07 102 (P) 32 55.44 3.3
5 obs. associated

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* JUN 01, 1992 16h 44m 45.35± 3.25s
14.075 N ±30.5km 92.788 W ±10.7km
DEPTH = 61.5 ± 11.4 km
4.6mb (2 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 0.97 32 iP 45 03.00 -0.2
iS 45 16.00
SCX 2.65 3 iP 45 27.00 0.6
iS 45 57.00
OXX 4.83 309 iP 45 56.50 -0.9
iS 46 52.50
IISM 6.57 319 eP 46 21.00 -0.6
LVVM 6.63 329 eP 46 14.00 -8.4X
iS 47 29.00
IIT 7.22 314 eP 46 32.00 1.1
ACX 7.36 293 eP 46 33.00 0.4
III 7.71 305 (P) 46 42.00 4.4X
UNM 8.05 311 (P) 46 45.00 2.6X
MRX 9.80 306 eP 47 06.00 -0.1
COLM 11.62 297 (P) 47 27.00 -3.8X
UYO 20.06 356 iPd 49 16.00 -0.2
MEO 21.27 347 iPd 49 28.40 -0.2
ACO 23.24 347 iPc 49 47.90 0.0
LRM 35.73 336 eP 51 40.60 0.3
YKA 50.78 347 eP 53 40.40 -0.7
0.7s 5.20nm 4.7mb
MBC 63.75 353 eP 55 13.00 0.5
1.0s 6.00nm 4.6mb
HYB 147.56 16 ePKP 04 28.50 6.1X
S.D. = 0.6 on 13 of 18 obs.

? JUN 01, 1992 17h 01m 46.60± 2.52s
14.502 N ±34.1km 92.981 W ± 8.0km
DEPTH = 52.9 ± 11.0 km
4.6mb (2 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 0.80 60 iP 02 02.00 0.1
iS 02 17.00
SCX 2.25 9 iP 02 25.00 3.0X
iS 02 56.00
OXX 4.42 306 eP 02 52.00 -1.0
IISM 6.13 317 eP 03 16.00 -0.9
LVVM 6.17 328 iP 03 12.00 -5.4X
iS 04 25.00
IIT 6.80 312 eP 03 26.00 -0.5
ACX 7.03 290 (P) 03 30.00 0.5
III 7.32 303 (P) 03 35.00 1.3
MRX 9.40 305 (P) 04 03.00 0.8
COLM 11.26 296 (P) 04 27.00 -0.6
UYO 19.62 356 iPd 06 14.10 0.5
ACO 22.78 347 iPd 06 46.80 1.2
LRM 35.27 336 eP 08 39.00 0.5
YKA 50.32 347 eP 10 38.20 -1.6
0.9s 4.30nm 4.5mb
MBC 63.30 353 eP 12 11.50 -0.3
1.1s 7.00nm 4.7mb
NB2 84.16 28 P 14 24.00 10.8X
0.5s 0.40nm
S.D. = 1.0 on 13 of 16 obs.

? JUN 01, 1992 18h 14m 37.83± 3.19s
13.811 N ±36.3km 93.365 W ±14.6km
DEPTH = 33.0km (normal)
4.7mb (1 obs.)
OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.53 44 iP 15 03.00 -0.1
(S) 15 21.00
SCX 2.99 14 iP 15 24.00 0.0
iS 15 54.00
OXX 4.59 316 iP 15 47.00 0.1
IISM 6.43 324 (P) 16 20.00 7.3X
LVVM 6.59 334 iP 16 11.00 -4.0X
IIT 7.02 318 (P) 16 24.50 3.2X
III 7.42 309 (P) 16 31.00 4.2X
UYO 20.29 357 iPd 19 14.90 1.3
MEO 21.41 348 iPc 19 23.00 -2.0
ACO 23.37 348 iPd 19 45.20 0.8
LRM 35.75 337 eP 21 36.50 0.6
YKA 50.91 347 eP 23 36.60 -1.1
0.6s 5.20nm 4.7mb
MBC 63.94 353 eP 25 10.00 0.5
S.D. = 1.2 on 9 of 13 obs.

JUN 01, 1992 18h 29m 20.27± 0.10s
29.739 N ± 2.2km 140.699 E ± 2.7km
DEPTH = 133.8km (13 depth phases)
5.5mb (155 obs.)
SOUTH OF HONSHU, JAPAN (211)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 56C
Centroid Location:
Origin Time 18:29:19.8 0.3
Lat 29.45N 0.03 Lon 140.94E 0.03
Dep 119.1 1.5 Half-duration 2.2
Moment Tensor; Scale 10**17 Nm
Mrr= 0.79 0.04 Mtt= 0.17 0.07
Mff=-0.96 0.06 Mrt=-0.55 0.04
Mrf= 1.24 0.05 Mtf=-0.57 0.06
Principal Axes:
T Val= 1.78 Plg=52 Azm=226
N -0.14 27 356
P -1.64 25 100
Best Double Couple:Mo=1.7*10**17
NP1:Strike=232 Dip=31 Slip= 150
NP2: 348 75 62

MAT 7.10 344 iPd 31 00.10 -2.8
1.0s 135.00nm 5.4mb
eS 32 17.00
SHK 8.31 307 iPd 31 20.80 1.6
1.2s 687.50nm 6.2mb
KUR 16.47 18 eP 33 04.50 -0.1
1.0s 470.00nm 5.7mb
Z 12s 2.10um
N 12s 2.60um
iS 35 57.00
GUMO 16.53 166 P 33 04.60 -1.0
e 33 19.60
eS 36 02.80
PJG 16.53 166 P 33 04.70 -0.9
GUA 16.59 166 eP 33 04.00 -2.3
1.0s 1200.00nm 6.1mb
SSE 16.89 279 Pc 33 10.00 0.1
1.0s 90.00nm 5.0mb
Z 20s 1.40um
N 10s 0.40um

E 10s 0.40um
S 36 20.00
sS 36 25.20
MDJ 17.26 332 eP 33 12.00 -2.4
0.8s 140.00nm 5.3mb
Z 16s 0.62um
N 14s 0.63um
E 14s 0.89um
S 36 18.50
sS 36 22.00
YSS 17.32 5 iPc- 33 12.60 -2.5
1.0s 490.00nm 5.8mb
Z 16s 0.50um
N 16s 0.50um
eS 36 11.00
DL2 18.19 305 P 33 29.00 3.7X
1.0s 170.00nm 5.3mb
Z 18s 0.61um
N 14s 1.36um
S 36 43.00
SNY 18.36 316 Pd 33 25.80 -1.3
1.2s 190.00nm 5.3mb
CN2 18.56 323 eP 33 27.00 -2.3
1.0s 79.00nm 5.0mb
eS 36 47.00
PcP 37 52.00
ScP 41 16.00
ScS 44 56.00
NJ2 18.89 283 Pc 33 33.00 0.2
1.2s 220.00nm 5.4mb
sP 34 09.00
S 37 00.00
ScP 41 19.40
QZH 20.20 262 P 33 46.50 0.1
0.9s 160.00nm 5.4mb
sP 34 30.00
S 37 27.00
sS 38 10.00
TIA 20.78 294 eP 33 52.10 -0.1
1.4s 83.00nm 4.9mb
Z 14s 1.18um 4.4MszX
N 14s 1.05um
S 37 34.00
sS 38 17.50
BJI 22.52 304 eP 34 09.00 -0.3
1.0s 22.00nm 4.5mb X
BAG 22.72 239 eP 34 13.00 1.4
WHN 22.79 279 Pc 34 13.00 1.1
1.0s 130.00nm 5.3mb
pP 34 40.00 133km
sS 39 02.00
QVP 23.58 235 eP 34 23.20 3.5X
TAY 23.58 233 ePd 34 27.00 7.2X
OKH 23.85 3 eP 34 38.00 16.0X
eS 38 04.00
PGP 24.39 233 iPd 34 29.00 1.5
TIY 24.75 296 Pc 34 30.00 -0.8
1.0s 46.00nm 4.9mb
Z 13s 1.32um 4.6MszX
E 12s 0.57um
pP 34 59.00 141km
S 38 40.50
sS 39 32.00
MAP 24.83 222 ePd 34 31.50 -0.1
GZH 25.34 261 P 34 37.40 1.1
Z 30s 1.56um 4.3MszX
CGP 25.95 219 iPd 34 41.00 -1.0
HHC 26.12 303 Pd 34 42.40 -1.1
1.0s 64.00nm 5.2mb
Z 24s 1.55um 4.5MszX
N 12s 0.44um
E 10s 0.45um
PP 35 31.00
S 39 03.00
DAV 26.65 215 ePc 34 48.90 0.6
0.8s 537.31nm 6.2mb
PET 26.73 24 eP 34 48.00 -0.7
1.5s 140.00nm 5.3mb
Z 18s 0.40um 4.0Msz
e 35 12.00 110kmX
e 39 14.00
BTO 27.19 302 eP 34 52.00 -1.2
1.0s 40.00nm 5.0mb
N 15s 0.74um
E 15s 0.62um
S 39 20.00
XAN 27.26 287 Pc 34 52.50 -1.3
0.8s 91.00nm 5.4mb
N 10s 0.65um
CTB 27.27 218 iPc 34 57.00 3.1X
QIZ 29.97 256 Pc 35 19.80 1.7
1.2s 93.00nm 5.4mb
E 13s 1.40um
GYA 30.14 272 P 35 19.20 -0.5
1.2s 130.00nm 5.5mb
Z 12s 14.30um 5.8MszX
S 40 06.00
ScS 45 44.60
MGD 31.12 10 ePc 35 26.00 -1.8
0.7s 120.00nm 5.7mb
Z 13s 0.50um 4.4MszX
N 13s 0.50um
e 35 58.00 151kmX
ePPP 36 34.00
eS 40 18.00
eSSS 42 40.00
LZH 31.45 291 Pc 35 29.00 -2.1
1.0s 75.00nm 5.4mb
pP 35 57.00 129km
ePP 36 35.00
PcP 38 23.00
eS 40 23.00
ScP 41 54.50
PcS 42 06.00
ScS 45 50.00
CD2 31.82 282 eP 35 32.90 -1.4
1.0s 59.00nm 5.3mb
N 13s 1.16um
pP 36 06.00 156kmX
S 40 32.00
sS 41 28.00
KKM 32.99 229 ePc 35 46.30 1.7
1.2s 291.70nm 5.9mb
YAK 33.08 351 iPc 35 43.20 -1.6
0.9s 123.00nm 5.7mb
ipP 36 07.00 105kmX
ePPP 37 13.00
i 38 25.00
iS 40 52.00
i 45 55.00
TSM 33.27 225 ePc 35 48.00 1.1
WWKK 33.29 175 eP 35 54.90 7.8X
BOD 33.57 334 eP 36 00.50 11.4X
1.0s 36.00nm
KMI 33.90 271 Pc 35 51.50 -1.1
1.5s 220.00nm 5.7mb
eS 41 06.00
SEY 34.03 10 iPc 35 52.80 -0.1
0.7s 50.00nm 5.4mb
i 36 17.50 110kmX
e 37 07.50
eS 41 08.00
GTA 34.77 297 P 35 57.80 -1.9
1.0s 43.00nm 5.2mb
Z 27s 2.53um 4.8MszX
N 10s 0.47um
pP 36 23.00 112kmX
PP 37 17.00
PcP 38 31.00
S 41 16.00
ScP 42 04.70
PcS 42 17.50
ScS 46 05.00
ZAK 34.78 317 iPc 35 58.50 -1.0
1.4s 23.00nm 4.8mb
e 38 31.00
eSS 44 05.00
e 46 09.00
IRK 34.96 320 eP+ 36 00.00 -1.0
1.5s 59.00nm 5.2mb
Z 18s 0.62um 4.4Msz
E 18s 0.44um
i 38 30.20
eS 41 20.00
e 41 54.00
PCI 36.40 217 ePc 36 14.30 0.8
0.7s 20.40nm 5.0mb
MOY 36.61 318 eP 36 14.90 0.1
1.8s 54.00nm 5.0mb
LAT 36.68 169 eP 36 16.20 0.4
ADK 38.37 43 eP 36 28.98 -0.7
0.5s 22.99nm 5.2mb
CHG 39.40 264 ePc 36 39.50 0.9
PMG 39.41 170 eP 36 39.00 0.4
NST 39.74 258 iPc 36 44.00 2.6
BDT 40.00 261 iPc 36 43.40 -0.1
0.8s 384.20nm 6.2mb
KHT 41.47 258 iPc 36 57.00 1.4
NNT 41.58 255 iPc 36 56.30 -0.1
LSA 42.76 283 eP 37 06.00 -0.5
HNR 43.13 152 eP 37 09.00 0.0
MTN 43.33 194 iPc 37 10.10 -0.5
0.6s 705.00nm 6.5mb X
SNG 43.82 247 eP 37 16.40 1.7
0.9s 174.79nm 5.8mb
WMQ 44.00 304 iPd 37 15.70 -0.3
1.4s 110.00nm 5.4mb
Z 28s 0.87um 4.5MszX
E 10s 0.30um
pP 37 45.30 130km
sP 38 01.00
PP 38 57.20
PcP 39 00.00
ScP 42 39.50
PcS 42 48.00
S 43 34.00
sS 44 23.20
ScS 47 01.50
KGM 44.93 239 ePc 37 24.80 1.2
1.3s 272.40nm 5.8mb
ILT 45.03 20 iPc 37 23.00 -0.7
1.2s 105.00nm 5.4mb
i 37 46.00 97kmX
e 43 50.00
IPM 45.05 244 ePc 37 25.70 1.2
0.8s 206.30nm 5.9mb
KNA 46.66 196 eP 37 36.80 -0.3
GUN 47.68 282 Pc 37 45.00 -0.5
PKI 48.18 282 Pc 37 48.40 -0.9
ANM 48.22 28 eP 37 49.20 0.5
KKN 48.22 282 Pc 37 48.80 -0.8
DMN 48.42 282 Pc 37 50.20 -0.9
SDN 48.52 41 eP 37 49.08 -2.0
0.8s 137.52nm 5.8mb
GKN 48.71 282 Pc 37 52.40 -0.8
SEM 49.18 313 iPc+ 37 55.40 -0.9
1.4s 124.00nm 5.5mb
Z 13s 0.30um 4.5MszX
i 39 15.80 399kmX
eS 44 47.60
e 47 30.00
NRI 49.57 338 iPc 37 57.00 -2.0
1.6s 138.00nm 5.5mb
e 38 15.00 71kmX
eS 44 54.00
e 49 52.00
WB2 49.77 188 iPc 37 59.50 -1.6
0.2s 91.90nm 6.3mb
e 38 31.80 140km
eScP 43 04.60
eS 44 49.30
WRA 49.77 188 P 37 59.70 -1.4
0.7s 70.50nm 5.6mb
CTA 49.82 173 P 38 01.50 0.0
QIS 50.01 181 iPc 38 01.70 -1.2
0.6s 22.00nm 5.2mb
i 38 33.00 135km
e 45 09.00
TLG 51.51 304 iP 38 14.50 0.3
e 40 08.00 622kmX
eS 45 21.00
iPS 45 37.00
SVW 51.78 34 iP 38 16.01 0.0
0.7s 17.02nm 5.0mb
TTA 51.85 31 eP 38 15.75 -0.8
1.0s 13.85nm 4.7mb
KDC 53.11 38 eP 38 24.16 -1.6
0.8s 22.03nm 5.1mb
KSH 53.14 299 P 38 27.00 0.7
S 45 49.00
REF 53.14 35 eP 38 25.02 -1.2
IMA 53.34 28 eP 38 26.89 -0.6
0.7s 5.22nm 4.5mb
BRW 53.38 21 eP 38 27.39 -0.2
CRP 53.47 34 eP 38 27.45 -1.1
ASPA 53.50 188 iPc 38 27.30 -1.6
0.5s 76.70nm 5.9mb
Z 23s 0.20um 4.1MszX
ePcP 39 35.40
iScP 43 20.90
eS 45 48.50

01d 18h

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                    eScS  48 10.50
SLKM   54.37  35 eP    38 33.51  -1.5
MBL    54.45 204 iPc   38 35.50  -0.4
NDI    54.77 286 iPc   38 36.80  -1.5
       0.6s    36.67nm          5.5mb
PMR    54.93  33 eP    38 36.40  -2.6
       0.9s    35.80nm          5.3mb
                 e     39 03.10 111kmX
                 e     39 09.30
PMR    54.93  33 P     38 50.00  11.0X
     Z 19s     0.49um           4.6Msz
OPA    55.25  83 eP    38 41.94   0.1
HON    55.40  83 P     38 50.00   7.1X
     Z 20s     0.71um           4.7Msz
DHH    55.59  83 eP    38 41.94  -2.4
FBA    55.66  29 eP    38 45.00   0.7
OLP    56.10 176 iPc   38 46.00  -1.8
       0.5s    60.00nm          5.8mb
                 i     39 45.80 271kmX
TOA    56.34  33 eP    38 49.40   0.2
RMO    56.44 171 iPc   38 49.20  -1.0
       0.7s    71.00nm          5.7mb
                 e     43 34.00
KHO    56.97 298 iPc   38 53.00  -1.1
       1.3s   160.00nm          5.8mb
                 iS    46 36.40
DZM    57.16 151 iPc   38 55.20  -0.2
WARB   57.21 195 eP    38 55.00  -0.6
       0.5s    25.00nm          5.4mb
NANU   57.36 208 eP    38 56.00  -0.7
       0.7s    17.00nm          5.1mb
GAR    57.53 300 iP    38 56.70  -1.2
       1.0s   100.00nm          5.7mb
HYB    57.67 273 ePc   38 58.00  -1.1
SVE    60.35 321 iPc   39 16.80  -0.1
       1.1s   600.00nm          6.5mb
     Z 14s     0.50um           4.8MszX
     N 14s     0.10um
     E 14s     0.40um
                 e     41 27.00 701kmX
                 eS    47 20.00
                 ePS   48 05.00
ARMA   60.72 169 iPd   39 19.80  -0.1
       0.6s    35.00nm          5.5mb
CMS    61.08 175 iPc   39 21.60  -0.5
       0.9s    27.00nm          5.2mb
STK    61.29 179 iPc   39 21.70  -1.8
       0.7s    21.70nm          5.2mb
POO    61.29 276 iPc   39 29.50   5.5X
ARU    61.53 321 iPc+  39 24.00  -1.0
       1.0s   420.00nm          6.4mb
                 e     40 02.00 161kmX
                 e     40 07.00
                 eS    47 34.00
                 ePS   47 52.00
                 e     48 13.00
                 e     49 01.00
SIT    62.41  38 P     39 40.00   9.3X
     Z 19s     1.80um           5.3Msz
QUE    62.76 291 iPc   39 32.80  -0.9
                 e     40 03.60 127km
                 PcS   44 02.70
                 eS    47 50.00
                 eScS  49 12.50
COOL   63.09 199 iPc   39 34.10  -1.5
MRWA   63.19 204 iPc   39 35.30  -0.9
MBC    63.69  15 ePc   39 39.00   0.0
       1.0s    19.00nm          5.0mb
BAL    64.21 203 iPc   39 42.00  -0.8
       1.0s   263.00nm          6.1mb
BWA    64.23 173 iPc   39 43.10   0.2
                 ePP   40 15.80
ADE    64.39 182 eP    39 43.30  -0.6
       1.0s   158.00nm          5.9mb
KLB    64.77 202 eP    39 45.00  -1.4
CAN    65.18 173 iPc   39 48.80  -0.2
                 ePP   40 28.40
CNB    65.22 172 eP    39 49.00  -0.3
MUN    65.64 203 eP    39 51.00  -0.9
NWAO   66.17 201 iPc   39 54.60  -0.8
       0.8s    69.00nm          5.6mb
MAIO   66.53 300 iPc   39 58.00   0.1
                 e     48 40.00
BFD    66.59 178 iPd   39 58.90   1.0
       0.9s    44.00nm          5.3mb
ASH    66.81 302 eP    39 58.50  -1.0
TOO    67.11 176 iPd   40 01.80   0.6
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       0.9s   114.00nm          5.7mb
RKG    67.76 201 eP    40 05.00  -0.4
       0.6s   106.00nm          5.9mb
KAT    67.90 303 iP+   40 06.50   0.2
                 iS    48 55.00
                 e     49 52.00
APA    69.15 337 iPd   40 13.80   0.3
KEV    70.06 340 iP    40 19.00  -0.1
       0.8s    66.00nm          5.5mb
YKA    70.45  28 eP    40 20.70  -0.8
       0.6s     9.10nm          4.8mb
PGC    71.90  44 eP    40 31.00   0.6
BAK    71.99 307 iPc   40 31.00  -0.1
                 iS    49 45.00
MCW    72.26  44 eP    40 33.36   0.7
TRO    72.42 342 eP    40 33.00  -0.2
WCZ    72.59 152 eP    40 36.00   1.5
       0.7s    29.00nm          5.1mb
                 e     40 44.50  27kmX
SHE    72.77 307 iPc   40 36.50   0.9
       1.0s   200.00nm          5.8mb
                 iS    49 49.00
GMW    72.77  45 iP    40 37.24   1.6
MOS    72.80 325 iPc   40 36.00   0.5
       1.9s   440.00nm          5.9mb
     Z 17s     1.10um           5.2MszX
                 e     41 09.00 133km
                 eS    49 51.00
BMW    72.96  46 eP    40 37.73   1.0
DAG    72.98 355 iPd   40 36.40   0.1
       1.2s   125.00nm          5.6mb
RMW    73.41  45 eP    40 40.29   0.9
GRO    73.61 311 iPc   40 41.00   0.5
       1.0s   270.00nm          6.0mb
     Z 14s     1.00um           5.3MszX
     N 14s     1.00um
     E 14s     0.50um
                 eS    49 58.00
OBN    73.61 324 iPc+  40 40.20  -0.1
       1.2s   190.00nm          5.7mb
     Z 18s     0.70um           5.0Msz
     N 16s     0.40um
     E 16s     0.50um
                 e     41 06.00 100kmX
                 iS    49 59.00
                 ePS   50 56.00
SHW    73.70  46 eP    40 42.38   1.2
LON    73.72  45 eP    40 41.54   0.4
PNT    73.89  42 iPc   40 42.80   0.7
       0.7s    14.00nm          4.8mb
SHI    74.51 295 iPc   40 45.00  -1.2
KAF    74.53 334 iP    40 45.50   0.0
       0.4s    42.10nm          5.6mb
GRS    74.85 307 iPc   40 48.60   0.7
       1.3s   220.00nm          5.8mb
VGB    74.91  46 eP    40 49.04   1.0
MTA    74.92 310 iPc+  40 48.80   0.7
                 e     41 02.00  45kmX
                 iS    50 14.80
                 ePS   50 44.00
                 ePPS  51 00.00
PYA    75.02 312 iPc+  40 49.00   0.3
                 i     41 07.00  66kmX
                 iS    50 14.00
                 i     50 50.00
KIV    75.30 312 iP    40 51.00   0.6
     Z 19s     0.44um           4.8Msz
                 iS    50 18.00
                 iPS   50 50.20
DPW    75.39  43 eP    40 51.28   0.5
ERE    75.80 308 iP    40 55.00   1.7
                 iS    50 25.00
                 ePS   51 08.00
LBFM   76.09  50 eP    40 56.05   1.0
NUR    76.12 333 iP    40 54.60   0.1
       0.5s    34.80nm          5.4mb
ORZ    76.15 156 eP    40 54.30  -0.6
       0.7s    51.00nm          5.4mb
                 e     41 28.10 135km
LTCM   76.46  51 (P)   40 56.06  -0.7
DIW    76.64 155 P     40 57.40  -0.2
                 e     41 06.40  29kmX
DSZ    76.71 157 eP    40 57.20  -0.8
       0.7s    65.00nm          5.5mb
MNG    77.07 154 eP    40 59.40  -0.6
                 e     41 28.70 115kmX
```

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THZ    77.11 156 P     40 59.50  -0.7
       0.7s    18.00nm          4.9mb
                 e     41 33.30 135km
ORV    77.19  52 eP    41 00.70  -0.1
MRW    77.31 154 eP    41 00.60  -0.6
CAW    77.34 154 P     41 01.00  -0.4
SOC    77.37 313 iPc+  41 02.00   0.3
       2.2s   240.00nm          5.6mb
                 eS    50 42.00
PGZ    77.38 153 eP    41 01.50  -0.1
       0.7s   146.00nm          5.9mb
MTW    77.55 154 P     41 02.00  -0.6
MOW    77.68 154 eP    41 02.70  -0.6
DHR    77.88 293 iPc   41 07.00   2.1
KHZ    77.91 156 P     41 03.70  -0.8
       0.7s   116.00nm          5.8mb
                 e     41 35.90 128km
EWZ    77.96 158 P     41 04.60  -0.2
MSZ    78.11 161 P     41 06.40   0.9
       0.7s   233.00nm          6.1mb
SES    78.18  38 iPc   41 06.90   0.7
       0.7s    69.00nm          5.5mb
                 pP    41 15.00  26kmX
ARN    78.20  54 eP    41 07.35   0.8
ANN    78.24 315 iPc+  41 06.70   0.2
       1.0s   150.00nm          5.7mb
                 eS    50 48.00
BWZ    78.57 159 P     41 08.30   0.2
       0.7s    73.00nm          5.6mb
                 e     41 41.70 133km
CMB    78.68  53 eP    41 10.14   1.0
       0.8s    33.01nm          5.1mb
MNK    78.72 326 iP    41 08.00  -0.9
       2.0s   655.00nm          6.0mb
MOZ    78.73 157 eP    41 08.90  -0.1
       0.7s    36.00nm          5.2mb
UPP    79.25 335 iPc   41 11.70   0.1
       1.0s   200.00nm          5.8mb
                 iS    50 59.00
ODZ    79.27 159 P     41 12.60   0.7
       1.0s    40.00nm          5.1mb
PHAM   79.73  55 eP    41 15.73   0.9
TUZ    79.78 160 P     41 15.60   1.0
       0.9s   260.00nm          6.0mb
LRM    79.83  43 eP    41 15.90   0.5
SIM    80.14 316 iP+   41 17.00   0.3
                 e     51 10.00
HFS    80.49 336 eP    41 18.20  -0.1
       1.0s    96.90nm          5.5mb
     Z 18s     0.16um           4.4Msz
                 LR    12 41.00
NB2    80.68 338 P     41 19.40   0.1
       0.9s    80.70nm          5.5mb
GDH    80.75   5 iPc   41 20.00   0.6
       1.0s    80.00nm          5.4mb
                 e     41 28.00  25kmX
                 i     41 54.00
FCC    80.80  26 eP    41 21.00   1.1
KVT    80.98 312 iP    41 23.00   1.7
ABL    81.05  55 eP    41 22.78   0.8
TRHT   81.28 312 iP    41 24.70   1.7
RYD    81.44 293 iPc   41 26.00   2.0
HVU    81.80  46 eP    41 26.81   1.1
KIS    82.03 320 iPc+  41 26.00  -0.5
       1.0s   700.00nm          6.4mb
     Z 18s     0.50um           4.9Msz
                 iS    51 29.00
KONO   82.25 337 eP    41 28.00   0.5
DUG    82.64  48 eP    41 30.60   0.5
       0.6s     7.74nm          4.7mb
LVV    82.93 324 eP    41 32.00   0.9
     Z 16s     0.90um           5.2MszX
PEC    83.01  55 eP    41 32.15   0.2
       0.6s     5.84nm          4.6mb
BER    83.06 339 eP    41 32.50   0.9
AKU    83.48 351 iPc   41 36.00   2.4
       1.1s    50.63nm          5.3mb
PLM    83.50  55 eP    41 34.27  -0.4
DVR    83.50 314 iP    41 45.20  10.8X
DAU    83.51  47 eP    41 35.96   1.2
ARUT   83.52  50 eP    41 35.12   0.5
ADAT   83.57 309 eP    41 36.90   2.3
BBTK   83.76 313 iPc   41 37.00   1.3
SGKT   83.80 313 iP    41 41.20   5.1X
VRI    83.91 320 ePc   41 37.00   0.8
MSU    83.97  49 eP    41 37.85   0.9
EMUT   84.13  47 eP    41 38.76   1.0
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ISR 84.45 320 eP 41 40.50 1.5
NAL 84.48 313 iP 41 40.50 1.1
BMR 84.55 323 eP 41 42.00 2.7
MLR 84.57 320 eP 41 40.00 0.3
e 51 53.00
SRU 84.71 48 iP 41 41.13 0.5
OJC 84.76 326 iPd 41 41.10 0.7
1.0s 158.00nm 5.8mb
e 41 52.40 36kmX
GYN 84.76 314 iP 41 41.20 0.4
MUD 84.81 335 iPd 41 42.20 1.7
1.1s 50.00nm 5.3mb
MDB 85.03 321 ePc 41 47.00 5.2X
BHL 85.05 306 PKP 41 40.00 -2.3
GLA 85.11 55 eP 41 42.52 0.0
HRT 85.15 315 iP 41 43.80 1.2
CMP 85.21 320 ePd 41 45.00 2.2
SPC 85.23 325 iPc 41 42.70 -0.3
GBZT 85.31 315 eP 41 44.00 0.7
HRI 85.33 306 iPc 41 44.20 0.5
TNR 85.40 321 ePd 41 40.00 -3.7X
YLV 85.48 315 eP 41 43.60 -0.7
IZI 85.56 314 iP 41 44.70 0.0
COZ 85.57 321 ePc 41 46.00 1.3
RAC 85.62 327 eP 41 46.00 1.4
1.0s 0.20nm 3.0mb X
ULM 85.94 32 eP 41 48.00 1.8
pP 42 15.80 106kmX
KSP 85.98 328 iPc 41 47.00 0.6
1.0s 117.00nm 5.7mb
e 42 15.80 110kmX
CSS 86.08 308 eP 41 47.50 0.2
PSZ 86.24 325 iPc 41 48.20 0.3
ZNT 86.39 305 iPc 41 49.40 0.6
PPCY 86.80 309 eP 41 50.60 -0.1
BZS 86.86 322 eP 41 49.50 -1.3
BISH 86.99 291 iPc 41 55.30 3.4X
BRG 87.01 329 iPc 41 51.80 0.4
1.0s 40.00nm 5.3mb
e 45 32.00
e 52 20.00
e 53 08.00
eSg 07 10.00
SRO 87.10 325 eP 41 50.30 -1.6
CLL 87.11 330 iPc 41 51.90 0.0
1.1s 52.00nm 5.4mb
e 42 23.00 120kmX
eS 52 19.00
eSg 07 31.00
PRU 87.38 329 Pc 41 53.60 0.4
1.3s 32.80nm 5.2mb
e 42 29.40 140km
e 45 13.80
eSg 06 57.50
ZST 87.43 326 eP 41 54.20 0.7
AYN 87.51 302 iPc 41 56.40 2.2
GOL 87.60 45 eP 41 55.93 1.1
1.1s 7.72nm 4.6mb
Z 21s 0.31um 4.7Msz
UZD 87.79 324 eP 41 55.10 -0.2
EZN 87.80 315 iP 41 55.30 -0.1
MBH 87.84 303 iPc 41 55.80 -0.2
HOL 87.99 303 iPc 41 59.00 2.5
IZM 88.08 314 eP 41 56.40 -0.5
PRK 88.19 315 iPc 41 57.50 0.2
MOX 88.20 330 eP 41 57.30 0.1
1.9s 58.00nm 5.3mb
eS 52 24.00
KHC 88.43 328 iPc 41 58.60 0.2
1.0s 17.90nm 5.1mb
e 42 08.00 29kmX
e 45 29.00
WAJH 88.53 299 iPc 42 01.00 1.8
WIT 88.55 334 eP 42 00.00 1.2
GEC2 88.58 328 Pc 41 57.30 -1.9
0.8s 20.69nm 5.2mb
WET 88.74 329 iPd 42 00.70 0.9
GRF 89.07 330 iPc 42 01.90 0.5
1.4s 106.00nm 5.7mb
Z 21s 0.10um 4.2Msz
e(SKS)52 40.00
e(S) 53 38.40
VAY 89.10 318 iPc 42 01.40 -0.2
1.0s 80.00nm 5.7mb
WTS 89.14 334 iP 42 01.80 0.2
1.0s 38.00nm 5.4mb
SKO 89.32 319 iPc 42 03.20 0.5

1.2s 87.00nm 5.7mb
PLE 89.56 321 iPc 42 04.42 0.5
IVA 89.59 321 iPc 42 04.57 0.6
PTJ 89.59 325 iPc 42 03.70 -0.3
ZAG 89.64 325 iPc 42 04.10 0.1
iS 53 53.50
ALO 89.77 49 P 42 20.00 14.8X
Z 21s 0.66um 5.0Msz
BHG 89.77 328 iPc 42 05.30 0.6
0.8s 80.00nm 5.8mb
EKA 89.79 340 Pc 42 04.60 0.0
0.9s 22.80nm 5.2mb
KBA 90.02 327 iPc 42 05.70 -0.4
0.8s 21.80nm 5.3mb
i 42 24.00 65kmX
NKY 90.12 321 iPc 42 06.35 -0.2
FUR 90.18 329 iPc 42 07.10 0.5
1.0s 122.00nm 5.9mb
LJU 90.19 326 eP 42 06.40 -0.2
KZN 90.21 318 eP 42 06.00 -0.9
VBY 90.22 325 ePc 42 07.00 0.3
e 42 15.40 26kmX
TTG 90.24 321 iPc 42 06.82 0.0
OHR 90.25 319 iP 42 06.60 -0.5
1.1s 91.00nm 5.8mb
eS 52 25.00
BRY 90.31 322 iPc 42 06.83 -0.6
ENN 90.45 333 iP 42 07.90 0.2
1.0s 50.00nm 5.6mb
CEY 90.46 326 ePc 42 07.40 -0.5
VOY 90.51 326 iP 42 06.80 -1.4
ULC 90.55 320 iPc 42 07.58 -0.8
BDV 90.57 321 iPc 42 07.92 -0.5
FVI 90.64 327 P 42 07.80 -0.8
HCY 90.64 321 iPc 42 08.29 -0.5
WTTA 90.68 328 iPc 42 08.90 -0.2
0.9s 28.50nm 5.4mb
i 42 19.50 33kmX
RIY 90.76 325 eP 42 08.20 -1.0
TRI 90.81 326 eP 42 08.70 -0.7
NPS 91.04 312 eP 42 10.00 -0.7
STR 91.40 331 P 42 12.86 0.8
CTI 91.57 327 Pc 42 12.30 -0.8
WLS 91.70 331 P 42 13.53 -0.1
SLE 91.71 330 ePc 42 13.60 0.0
CDF 91.74 331 P 42 13.86 0.1
OSS 91.80 328 ePc 42 14.50 0.3
LIBD 91.80 331 P 42 14.48 0.5
VLI 91.82 315 eP 42 12.50 -1.8
FEL 91.84 330 P 42 13.88 -0.4
ECH 91.94 331 P 42 14.64 0.0
ZLA 91.98 330 ePc 42 14.70 -0.2
LLS 92.18 329 ePc 42 16.00 0.0
MOF 92.23 331 P 42 15.93 -0.2
VLS 92.30 317 eP 42 16.30 -0.2
BBS 92.37 330 P 42 16.43 -0.2
BSF 92.39 331 iPc 42 16.60 -0.3
1.0s 44.40nm 5.6mb
SAL 92.43 328 P 42 17.29 0.4
0.8s 536.40nm 6.8mb X
VITF 92.43 332 P 42 16.86 0.0
HAU 92.44 331 iPc 42 16.90 -0.1
1.2s 51.45nm 5.6mb
Z 20s 0.13um 4.4Msz
LOMF 92.75 331 P 42 18.28 -0.2
TMA 92.81 329 ePc 42 18.70 -0.2
ETA 92.98 341 eP 42 19.50 0.2
VAI 93.04 329 Pc 42 19.20 -0.5
SFI 93.04 326 Pc 42 20.80 1.1
CRE 93.21 325 Pc 42 20.90 0.2
MMK 93.26 329 ePc 42 21.40 0.3
ASS 93.26 325 P 42 21.10 0.2
ACO 93.30 44 iPc 42 22.50 1.4
DUI 93.35 323 P 42 22.03 0.7
1.3s 28.00nm 5.4mb
AOU 93.40 324 P 42 22.80 1.3
ECB 93.43 341 eP 42 21.00 -0.4
FIR 93.44 326 eP 42 22.50 0.9
iS 52 36.00
ECP 93.48 340 eP 42 21.90 0.3
DIX 93.48 329 ePc 42 22.50 0.4
BOB 93.56 328 Pc 42 22.30 0.0
ORX 93.57 329 P 42 21.15 -1.2
ORO 93.58 329 P 42 21.70 -0.7
SDI 93.66 323 P 42 22.70 0.0
EMS 93.70 330 P 42 23.50 0.5
TDS 93.74 320 P 42 23.90 0.8

LOR 94.05 332 iPc 42 24.30 -0.1
1.1s 70.35nm 5.9mb
Z 23s 0.17um 4.5MszX
LSD 94.08 329 P 42 24.94 0.1
RSL 94.13 330 P 42 24.69 -0.3
PCP 94.15 328 P 42 24.63 -0.3
LPL 94.22 330 iPc 42 25.50 0.0
1.0s 43.20nm 5.7mb
LBF 94.23 332 iPc 42 25.10 -0.2
1.1s 46.65nm 5.7mb
RSP 94.27 329 P 42 26.79 1.2
SSF 94.36 332 iPc 42 25.90 0.1
1.0s 60.00nm 5.9mb
CKI 94.36 328 P 42 25.30 -0.6
FLN 94.49 335 eP 42 26.20 -0.2
0.9s 20.80nm 5.5mb
Z 21s 0.17um 4.5Msz
LDF 94.50 335 iPc 42 26.40 0.0
0.9s 27.35nm 5.6mb
SMF 94.56 332 iPc 42 26.60 -0.1
1.1s 66.40nm 5.9mb
FIN 94.56 328 P 42 25.45 -1.4
BNI 94.61 329 P 42 27.10 0.0
AVF 94.64 332 iPc 42 27.20 0.1
1.0s 85.20nm 6.0mb
ROB 94.65 328 P 42 25.55 -1.7
RRL 94.66 329 P 42 27.20 -0.3
PZZ 94.84 329 P 42 25.86 -2.4
MEO 94.90 45 iPd 42 29.10 0.6
ENR 94.91 328 P 42 26.07 -2.4
STV 94.94 328 P 42 25.97 -2.7
GRR 94.94 335 iPc 42 28.60 0.1
1.1s 51.75nm 5.8mb
SOI 95.00 319 Pc 42 29.40 0.5
BGF 95.04 332 iPc 42 28.90 0.0
1.2s 38.10nm 5.6mb
SBF 95.19 328 iPc 42 28.90 -0.8
0.9s 34.70nm 5.7mb
LPF 95.31 335 iPc 42 30.50 0.4
1.2s 59.80nm 5.9mb
MAF 95.42 332 iPc 42 31.20 0.5
1.4s 65.35nm 5.8mb
TCF 95.51 333 iPc 42 31.30 0.1
1.3s 38.30nm 5.6mb
FRF 95.78 328 iPc 42 31.60 -0.8
0.9s 14.40nm 5.4mb
LSF 95.82 333 iPc 42 32.50 0.0
1.4s 62.75nm 5.9mb
LRG 95.99 328 iPc 42 32.80 -0.5
1.0s 23.80nm 5.6mb
Z 22s 0.15um 4.4Msz
LMR 96.02 328 iPc 42 32.90 -0.5
1.0s 24.00nm 5.6mb
MFF 96.18 334 iPc 42 34.70 0.6
1.3s 40.45nm 5.7mb
RJF 96.60 332 iPc 42 36.30 0.3
0.8s 11.15nm 5.4mb
CAF 96.68 332 eP 42 37.00 0.5
1.1s 16.85nm 5.4mb
CCM 96.91 39 (P) 42 37.62 0.1
0.6s 3.72nm 5.0mb
Z 20s 0.16um 4.5Msz
LFF 97.21 333 iPc 42 39.30 0.5
0.8s 13.95nm 5.5mb
LPO 97.24 332 eP 42 39.30 0.4
1.1s 10.25nm 5.2mb
MCWV 101.33 31 Pdiff 43 10.00 12.7X
Z 21s 0.73um 5.2Msz
CEH 104.75 33 Pdiff 43 20.00 7.4X
Z 21s 0.18um 4.6Msz
BCAO 115.07 291 iPKPc 47 47.20 -0.6
0.9s 18.00nm
ic 48 46.20
ic 51 13.40
KRI 116.21 265 iPKPd 47 50.90 0.9
LSZ 116.78 267 iPKPc 47 53.00 1.9
BUL 118.44 262 iPKPc 47 54.70 0.5
0.8s 12.69nm
BFT 119.31 256 ePKP 47 59.00 3.2X
SPA 119.57 180 iPKPc 47 55.30 0.4
0.7s 42.58nm
PRY 121.91 255 ePKP 48 00.50 -0.1
0.8s 15.63nm
SEK 122.24 254 iPKPc 48 03.20 2.0
1.5s 55.56nm
TIC 131.08 312 PKP 48 19.60 1.2
KIC 131.12 312 PKP 48 19.00 0.5

01d 18h

LIC 131.41 312 PKP 48 19.50 0.5
SNA 134.41 197 e(PKP)48 13.00 -10.0X
0.9s 31.93nm
ARE 147.70 73 ePKP 48 51.00 2.5X
ZOBO 150.38 70 iPKPc 48 54.30 1.3
1.1s 62.65nm
LR 39 46.00
LPB 150.53 70 PKP 48 54.30 1.3
CCH 152.57 69 PKP 49 04.00 8.2X
i 49 15.00
PDCR 162.88 359 ePKP 49 09.20 1.5
e 49 57.90
PPD 166.75 57 ePKP 49 13.30 2.3X
S.D. = 1.0 on 371 of 395 obs.

JUN 01, 1992 18h 36m 11.93± 0.50s
44.391 N ± 3.4km 7.329 E ± 4.3km
DEPTH = 12.4 ± 6.0 km
NORTHERN ITALY (545)
ML 2.0 (LDG), 1.7 (GEN).

STV 0.15 181 P 36 15.53 -0.2
S 36 17.79
ENR 0.18 158 P 36 16.25 0.0
S 36 18.61
PZZ 0.20 305 P 36 16.77 0.2
S 36 19.84
ROB 0.40 104 P 36 20.66 0.4
S 36 26.71
BHB 0.45 354 P 36 21.00 -0.3
S 36 27.23
SBF 0.53 172 Pg 36 22.50 -0.2
Sg 36 28.70
IMI 0.63 140 P 36 23.94 -0.4
S 36 32.35
RRL 0.66 324 P 36 24.92 0.0
S 36 34.03
FIN 0.66 106 P 36 24.97 0.1
S 36 33.89
FRF 0.97 211 Pg 36 30.20 0.1
Sg 36 42.00
LRG 1.17 217 Pg 36 33.70 0.2
Sg 36 48.20
LMR 1.21 210 Pg 36 34.30 0.0
Sg 36 48.60
S.D. = 0.3 on 12 of 12 obs.

? JUN 01, 1992 18h 44m 02.60± 5.13s
33.851 S ±17.2km 71.823 W ±39.4km
DEPTH = 25.2 ± 11.3 km
NEAR COAST OF CENTRAL CHILE (135)
MD 3.8 (SAN).

LNV 0.36 107 iPd 44 10.70 0.2
iS 44 19.50
LCCH 0.43 30 iPd 44 11.10 -0.5
iS 44 21.00
TACH 0.76 75 iPd 44 17.00 -0.2
iS 44 31.50
CHCH 0.98 95 iPd 44 20.40 -0.3
iS 44 37.70
CACH 1.05 105 iPd 44 21.80 0.0
ROCH 1.11 38 iPc 44 22.00 -0.8
iS 44 41.80
PCH 1.12 78 iPd 44 22.60 -0.1
iS 44 41.50
PEL 1.18 54 iP 44 24.00 0.4
iS 44 43.60
JACH 1.56 42 eP 44 30.40 1.4
iS 44 54.70
S.D. = 0.8 on 9 of 9 obs.

JUN 01, 1992 20h 17m 32.57± 2.11s
35.156 N ±22.0km 23.017 E ±13.8km
DEPTH = 79.9 ± 21.8 km
3.4mb (1 obs.)
CRETE (370)
MD 3.6 (ATH).

VLI 1.56 358 eP 17 59.00 -0.1
NPS 2.13 86 ePn 18 06.40 -0.4
ATH 2.87 11 ePn 18 18.20 1.3
VLS 3.59 328 ePn 18 30.00 3.0X
eSn 19 08.50
KZN 5.24 350 ePn 18 50.80 0.7
OHR 6.20 344 eP 19 02.00 -1.4
SOI 6.31 299 P 19 06.10 1.2
LCI 6.54 324 P 19 06.40 -1.7
HFS 25.72 349 eP 22 57.00 0.3
0.4s 0.60nm 3.4mb
S.D. = 1.5 on 8 of 9 obs.

% JUN 01, 1992 22h 35m 46.10± 2.10s
37.768 S ±11.5km 178.028 E ±15.7km
DEPTH = 149.1 ± 15.9 km
OFF E. COAST OF N. ISLAND, N.Z. (160)

HBZ 0.27 52 Pc 36 06.10 -0.4
PUZ 0.35 149 Pd 36 06.30 -0.5
S 36 17.00
NOZ 0.85 180 P 36 10.40 0.6
TAZ 1.29 248 P 36 11.30 -2.4
PAHZ 1.33 215 P 36 13.50 -0.7
PATZ 1.53 246 P 36 14.40 -1.9
TTH 2.01 208 eP 36 23.20 1.6
WAHZ 2.33 214 eP 36 26.70 1.1
NGZ 2.37 233 P 36 26.60 0.4
TEHZ 2.41 203 eP 36 27.60 1.0
CNZ 2.42 233 eP 36 27.30 0.6
MOZ 2.65 253 P 36 30.10 0.6
PGZ 3.16 205 eP 36 37.00 1.1
BSZ 3.16 229 eP 36 37.80 1.8
WCZ 3.47 301 eP 36 41.60 1.5
MTW 3.91 209 eP 36 45.70 -0.1
KIW 3.92 217 eP 36 46.30 0.3
AMW 3.95 206 eP 36 46.70 0.4
CAW 4.05 214 eP 36 47.50 -0.1
BLW 4.10 208 eP 36 48.50 0.2
MRW 4.31 216 eP 36 51.00 -0.1
DIW 4.40 225 eP 36 52.40 0.1
TCW 4.50 219 eP 36 52.70 -0.9
ORZ 5.25 233 eP 37 03.60 0.0
THZ 5.61 223 eP 37 08.90 0.3
KHZ 5.78 215 eP 37 09.90 -0.8
LTZ 6.67 220 eP 37 20.70 -2.1
eS 38 30.30
MQZ 7.20 213 eP 37 28.60 -1.3
eS 38 41.70
ODZ 9.14 215 eP 37 55.30 -0.5
S.D. = 1.1 on 29 of 29 obs.

JUN 01, 1992 23h 06m 48.82± 0.21s
44.494 N ± 1.7km 7.324 E ± 2.3km
DEPTH = 7.6 ± 2.2 km
NORTHERN ITALY (545)
ML 3.0 (LDG), 3.0 (STR), 2.9
(GEN).

DOI 0.06 279 Pc 06 51.50 0.7
eSg 06 52.60
PZZ 0.16 274 P 06 52.52 0.1
S 06 54.46
STV 0.25 180 P 06 54.00 0.0
S 06 56.88
ENR 0.28 166 P 06 54.46 -0.1
S 06 58.04
BHB 0.35 353 P 06 56.42 0.5
S 07 01.38
ROB 0.44 117 P 06 58.47 0.8
S 07 05.03
TOUF 0.48 186 Pg 06 59.07 0.5
AUTN 0.50 171 Pg 06 59.61 0.6
Sg 07 05.76
RRL 0.57 318 P 07 00.31 -0.1
S 07 08.72
AURF 0.61 180 Pg 07 01.30 0.3
Sg 07 09.25
SBF 0.64 173 Pg 07 01.30 -0.3
Sg 07 08.30
RSP 0.66 356 P 07 01.34 -0.8
S 07 10.15
CKI 0.69 95 P 07 02.90 0.3
eSg 07 11.80
FIN 0.70 114 P 07 02.77 0.0
S 07 12.62
IMI 0.71 145 P 07 02.77 -0.4
S 07 12.62
BNI 0.72 321 P 07 03.20 -0.2
eSg 07 12.20
CALN 0.81 203 Pg 07 04.92 0.1
PCP 0.87 86 P 07 06.57 0.7
LSD 0.97 353 P 07 06.92 -0.8
S 07 19.96
FRF 1.05 208 Pg 07 03.40 -5.5X
Sg 07 21.80
LPG 1.08 338 Pn 07 09.60 0.0
Pg 07 10.10
Sg 07 25.40
LPL 1.10 338 Pn 07 09.60 -0.3
Pg 07 10.60
LRG 1.25 214 Pg 07 12.10 -0.2
Sg 07 27.40
LMR 1.30 207 Pn 07 12.90 -0.2
Pg 07 13.40
Sg 07 28.80
CDR 1.39 234 ePd 07 13.90 -0.6
e(Sg) 07 31.20
BOB 1.54 79 P 07 17.00 0.3
PGF 2.30 147 Pn 07 25.70 -2.0
Sn 07 53.00
SMF 3.26 313 Pn 07 41.80 0.5
Sn 08 19.00
BSF 3.36 354 Pn 07 42.30 -0.5
LBF 3.42 318 Pn 07 44.10 0.5
Sg 08 38.50
HAU 3.58 349 Pn 07 45.40 -0.4
Sn 08 26.30
AVF 3.61 311 Pn 07 46.60 0.4
LOR 3.68 320 Pn 07 47.40 0.1
Sn 08 28.50
SSF 3.70 315 Pn 07 47.80 0.2
BGF 3.76 305 Pn 07 48.70 0.2
Sg 08 49.40
CAF 3.77 278 Pn 07 48.50 -0.2
S.D. = 0.6 on 35 of 36 obs.

& JUN 01, 1992 23h 10m 17.77s
58.940 N 152.479 W
DEPTH = 63.3km
KODIAK ISLAND REGION (13)
<AEIC>. ML 2.5 (AEIC).

SYI 0.33 172 eP 10 28.05 -0.6
eS 10 35.72
CDD 0.60 270 eP 10 30.67 -0.7
AUE 0.62 313 eP 10 31.03 -0.5
eS 10 41.15
AUI 0.63 309 eP 10 30.86 -0.7
eS 10 40.74
AUP 0.64 312 eP 10 31.35 -0.5
eS 10 42.02
HOM 0.84 30 eP 10 33.58 -0.5
eS 10 45.79
CNPM 0.87 47 eP 10 33.69 -0.8
eS 10 46.07
MCNL 0.99 285 eP 10 35.39 -0.7
eS 10 47.86
INE 1.16 345 eP 10 37.23 -1.3
S 10 52.47
INW 1.18 344 eP 10 37.81 -0.9
KDC 1.20 180 P 10 37.50 -1.3
PDB 1.22 315 eP 10 38.21 -0.9
NNL 1.26 28 eP 10 40.08 0.4
BGM 1.49 289 eP 10 40.72 -2.1
RED 1.49 354 eP 10 41.68 -1.2
RS1 1.53 355 eP 10 42.40 -1.2
eS 11 01.92
RSO 1.53 355 eP 10 43.07 -0.5
eS 11 01.58
RS2 1.53 355 eP 10 43.17 -0.5
eS 11 01.64
REF 1.56 356 ePn 10 41.15 -2.8
iS 11 01.87
RDT 1.64 1 eP 10 43.26 -1.7
eS 11 03.82
DFR 1.66 356 eP 10 44.49 -0.8
NKA 1.91 19 eP 10 49.82 1.2
SEW 1.94 52 eP 10 48.26 -0.7
SLKM 1.94 35 eP 10 49.44 0.3
SPU 2.26 5 eP 10 52.50 -1.1
CKL 2.27 2 eP 10 53.17 -0.5
CKN 2.30 4 eP 10 53.88 -0.2
BGL 2.33 1 eP 10 54.20 -0.4
CRP 2.34 4 P 10 55.00 0.2
CGLM 2.39 5 eP 10 55.34 0.0
NCG 2.48 4 eP 10 55.89 -0.8
SVW 2.69 325 P 10 58.50 -1.0
PMS 2.74 31 P 10 58.90 -1.3
KNK 3.19 37 eP 11 05.97 -0.7
34 obs. associated

• JUN 01, 1992 23h 53m 05.08± 1.41s
25.478 N ±15.4km 36.118 E ± 9.2km
DEPTH = 10.0km (geophysicist)
4.3mb (2 obs.)
WESTERN ARABIAN PENINSULA (555)
MD 4.5 (RYD).

WAJH 0.80 30 iPd 53 21.30 0.7
eS 53 33.30
AYN 3.38 358 iPd 53 59.30 0.4
eS 54 28.00
HOL 3.90 346 iPc 54 07.00 0.8
iS 54 49.00
AOBJ 4.34 348 P 54 09.40 -3.2X
SAGI 4.90 345 eP 54 23.40 2.9X
eS 55 20.10
SHWJ 4.92 354 P 54 18.80 -2.2
ZNT 6.80 352 eP 54 50.10 2.7X
HRI 7.77 358 eP 55 04.60 3.5X
RYD 9.54 92 eP 55 43.00 17.4X
eS 58 07.00
SHI 15.13 70 eP 56 40.00 -0.7
MAIO 22.72 56 eP 58 09.00 0.6
BZS 23.23 334 eP 58 14.00 0.8
SPC 26.71 336 eP 58 46.40 -0.1
GEC2 29.17 329 P 59 08.50 -0.2
1.3s 1.73nm 3.7mb
BRG 30.54 332 e(P) 59 20.60 -0.1
CLL 31.26 332 e(P) 59 27.00 0.0
MOX 31.40 330 eP 59 28.30 0.0
1.6s 23.00nm 4.8mb
S.D. = 0.9 on 12 of 17 obs.

JUN 01, 1992 23h 54m 59.65± 0.84s
37.992 N ± 8.2km 21.389 E ± 8.0km
DEPTH = 10.0km (geophysicist)
SOUTHERN GREECE (368)
ML 3.4 (ATH).

VLS 0.66 287 iPgc 55 12.50 -0.3
eSg 55 24.00
VLI 1.77 135 ePn 55 31.00 0.5
ATH 1.84 90 ePb 55 30.90 -0.6
KEK 2.12 325 ePg 55 40.00 4.4X
KZN 2.33 7 ePn 55 39.50 0.8
OHR 3.15 352 iPn 55 50.20 0.0
eSn 56 38.30
VAY 3.45 15 iPn 55 54.00 -0.4
SKO 3.98 1 ePn 56 02.00 0.1
i 56 56.70
iSg 57 10.20
S.D. = 0.6 on 7 of 8 obs.

? JUN 02, 1992 00h 39m 07.03± 3.98s
19.032 N ±53.6km 64.727 W ±10.2km
DEPTH = 33.0km (normal)
VIRGIN ISLANDS (91)

LPR 1.30 237 P 39 29.20 0.1
CPD 1.50 229 P 39 32.30 0.4
SJG 1.63 236 iP 39 34.00 0.2
S 39 57.00
APR 1.98 253 P 39 38.50 -0.4
CLLP 1.99 242 P 39 40.00 0.9
PORP 2.06 242 P 39 39.30 -0.7
LRS 2.14 250 P 39 40.80 -0.3
MGP 2.46 246 P 39 45.70 0.0
DEG 4.42 127 eP 40 16.00 2.4
MGG 4.49 133 eP 40 12.00 -2.6
S.D. = 1.4 on 10 of 10 obs.

? JUN 02, 1992 00h 52m 18.48± 5.81s
32.014 S ±54.8km 69.208 W ±16.5km
DEPTH = 33.0km (normal)
MENDOZA PROVINCE, ARGENTINA (139)

RTBS 0.41 329 iPd 52 27.70 0.0
RTCB 0.63 34 iPd 52 31.20 0.2
S 52 45.50
ZON 0.65 44 eP 52 32.00 0.7
eS 52 47.00
CFA 0.92 64 ePd 52 35.10 0.0
S 52 53.00
RTLL 0.93 43 ePc 52 34.30 -0.9
S 52 51.00
S.D. = 0.8 on 5 of 5 obs.

JUN 02, 1992 01h 16m 03.17± 0.63s
22.245 S ±10.6km 128.000 E ± 7.7km
DEPTH = 10.0km (geophysicist)
WESTERN AUSTRALIA (590)

WARB 4.11 197 eP 17 15.70 8.3X
eS 18 05.00
WB2 6.36 70 eP 17 40.30 1.0
0.1s 6.80nm 5.5mb X
eS 18 48.60
MBL 7.67 277 eP 17 58.30 0.6
0.2s 2.00nm 5.0mb X
eS 19 19.00
MTN 9.81 18 eP 18 26.00 -1.4
eS 20 10.00
COOL 10.56 214 eP 18 38.00 0.3
eS 20 31.50
OIS 10.94 83 eP 18 43.00 0.1
eS 20 39.00
i 21 45.00
NANU 11.54 266 eP 18 52.00 1.0
eS 20 53.00
MRWA 12.85 235 eP 19 09.00 0.3
eS 21 22.50
KLB 13.03 222 eP 19 10.00 -1.1
eS 21 30.00
BAL 13.10 228 eP 19 11.00 -0.9
S.D. = 1.0 on 9 of 10 obs.

JUN 02, 1992 01h 24m 41.15± 0.34s
51.100 N ± 7.7km 175.378 E ± 4.3km
DEPTH = 40.2km (14 depth phases)
4.5mb (35 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS (6)
ML 4.6 (PMR).

SMY 1.81 335 ePn 25 07.68 -2.7
ADK 5.02 78 eP 25 53.73 -2.2
eS 26 49.49
ANM 16.84 29 (P) 28 34.34 -0.8
SVW 18.86 47 eP 28 59.66 -0.5
0.7s 9.36nm 4.1mb
TTA 19.37 41 eP 29 04.39 -1.7
1.1s 18.45nm 4.3mb
KDC 19.70 58 eP 29 05.51 -4.1X
0.6s 7.59nm 4.2mb
REF 20.06 50 (P) 29 12.25 -1.4
CRP 20.51 48 eP 29 17.18 -1.1
SLKM 21.26 50 eP 29 23.74 -2.1
IMA 21.68 35 eP 29 32.30 2.3
0.7s 5.60nm 4.1mb
FBA 23.47 40 (P) 29 47.32 -0.1
0.6s 10.10nm 4.5mb
TOA 23.48 47 eP 29 49.30 1.6
KLU 23.50 49 eP 29 47.74 -0.1
BALM 25.16 50 eP 30 03.67 -0.3
MBC 35.24 22 eP 31 33.50 0.4
YKA 38.05 45 eP 31 56.70 -0.2
0.7s 5.20nm 4.5mb
PNT 40.43 66 eP 32 17.00 0.2
0.6s 6.00nm 4.5mb
DPW 41.95 67 eP 32 29.37 -0.1
LBFM 43.26 78 eP 32 41.61 1.3
epP 32 53.92 45km
ORV 44.55 79 eP 32 51.83 1.3
epP 33 03.13 40km
TNP 48.09 78 eP 33 19.34 0.5
0.8s 12.12nm 5.0mb
epP 33 30.80 41km
HVU 48.54 72 iP 33 22.88 0.7
FCC 48.75 44 eP 33 25.00 1.7
DUG 49.48 73 iPd 33 29.94 0.5
0.7s 11.66nm 5.0mb
DAU 50.28 72 iP 33 36.42 0.7
ARUT 50.60 76 eP 33 37.90 -0.1
MSU 50.91 75 eP 33 40.97 0.5
epP 33 52.62 41km
EMUT 50.92 72 eP 33 40.93 0.4
PLM 51.36 83 eP 33 43.65 -0.2
epP 33 55.93 44km
SRU 51.53 73 eP 33 45.16 0.0
LZH 51.91 283 eP 33 48.00 0.0
1.5s 23.00nm 4.9mb
ULM 52.85 54 eP 33 55.50 0.9
pP 34 07.00 40km
GOL 54.23 69 eP 34 05.30 0.1
0.8s 15.78nm 5.1mb
ACO 59.88 68 iPd 34 44.80 -0.2
MEO 61.53 69 iPd 34 56.40 0.1
LNO 62.38 66 eP 35 01.40 -0.4
e 35 13.20 40km
TUL 62.37 66 eP 35 01.60 -0.3
1.2s 22.30nm 5.2mb
e 35 12.70 37km
RLO 62.64 66 eP 35 03.00 -0.6
e 35 14.10 37km
VVO 62.81 67 eP 35 04.90 0.2
e 35 16.70 40km
CCM 63.44 62 (P) 35 08.03 -0.8
0.6s 4.25nm 4.7mb
EEO 63.51 48 ePc 35 09.40 0.2
OLY 65.14 64 eP 35 18.93 -1.0
CHG 67.11 272 eP 35 32.00 -0.8
eSg 44 27.50
PWLA 67.43 62 eP 35 33.36 -1.2
epP 35 45.50 41km
HFS 68.14 350 eP 35 36.70 -1.9
0.5s 3.30nm 4.7mb
Z 17s 0.03um 3.6MszX
LR 59 37.00
GUN 68.51 288 P 35 41.60 -0.3
0.8s 28.00nm 5.4mb
KKN 68.96 288 P 35 43.90 -0.5
0.6s 16.00nm 5.2mb
PKI 69.04 288 P 35 45.00 -0.1
GKN 69.19 289 P 35 45.40 -0.4
0.8s 17.00nm 5.1mb
DMN 69.20 288 P 35 46.00 0.1
CVL 70.31 54 eP 35 52.39 0.2
epP 36 04.14 39km
LMN 70.37 40 eP 35 53.50 1.0
JSC 71.67 58 eP 36 00.32 -0.2
epP 36 12.32 40km
OJC 76.94 344 eP 36 31.60 1.0
SPC 77.85 344 eP 36 35.70 -0.2
PRU 77.97 347 eP 36 48.00 11.7X
KHC 78.94 348 eP 36 42.00 0.3
e 37 01.50 72kmX
GEC2 79.21 348 Pd 36 42.80 -0.4
0.6s 1.08nm 4.0mb
ZST 79.34 345 e(P) 36 45.90 2.1
WB2 79.38 219 eP 36 43.30 -1.0
0.6s 3.00nm 4.4mb
WRA 79.38 219 P 36 44.00 -0.3
0.6s 2.10nm 4.3mb
CDF 80.34 352 eP 36 49.50 0.2
0.5s 1.45nm 4.2mb
FLN 80.45 357 eP 36 49.80 0.1
0.9s 5.10nm 4.5mb
LDF 80.61 357 eP 36 50.60 0.0
0.9s 7.20nm 4.6mb
HAU 80.83 353 eP 36 52.10 0.3
0.7s 1.80nm 4.1mb
HYB 80.83 286 eP 36 52.50 0.3
GRR 80.84 357 eP 36 52.10 0.3
0.8s 7.10nm 4.7mb
KBA 80.99 348 iPc 36 54.10 1.3
0.7s 14.60nm 5.1mb
i 36 59.70 18kmX
WTTA 81.02 349 iPc 36 54.30 1.3
0.7s 9.70nm 4.9mb
i 37 05.70 37km
LOR 81.74 354 eP 36 56.90 0.3
0.8s 3.35nm 4.4mb
SSF 81.97 354 eP 36 58.30 0.6
0.8s 3.35nm 4.4mb
LBF 82.02 354 eP 36 58.20 0.2
0.7s 2.10nm 4.3mb
AVF 82.25 354 eP 36 59.70 0.6
0.9s 1.10nm 3.9mb
SMF 82.36 354 eP 37 00.40 0.6
0.9s 5.90nm 4.6mb
TCF 82.81 355 eP 37 02.70 0.5
1.1s 4.65nm 4.5mb
MAF 82.86 355 eP 37 03.30 0.9
0.7s 1.55nm 4.2mb
LPO 84.47 356 eP 37 11.40 0.9
0.7s 4.65nm 4.7mb
MAW 144.04 217 iPKP 44 10.00 -2.4
1.0s 9.00nm
WIN 146.89 321 ePKP 44 21.40 2.5X
1.2s 15.63nm
S.D. = 1.0 on 76 of 79 obs.

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* JUN 02, 1992 01h 34m 16.70± 2.77s
51.626 N ±14.1km 7.700 E ±26.3km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.2 (BNS).

WTS 0.66 304 ePg 34 30.00 0.1
0.5s 13.00nm
BNS 0.74 207 iPg 34 31.58 0.4
0.9s 93.00nm
eSg 34 41.64
ENN 1.41 233 eP 34 42.00 -0.4
0.8s 6.00nm
ABH 1.75 183 ePn 34 47.24 -0.1
RUP 1.97 192 ePn 34 50.44 -0.1
S.D. = 0.4 on 5 of 5 obs.

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* JUN 02, 1992 01h 38m 14.52± 3.11s
40.996 N ±29.9km 20.150 E ± 9.4km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 2.3 (TTG).

OHR 0.50 77 iPg 38 24.00 -0.8
iSg 38 32.50
ULC 1.18 325 iPgc 38 35.35 -1.2
iSg 38 52.60
SKO 1.38 44 ePn 38 41.00 1.3
e 38 58.10
TTG 1.58 335 iPgc 38 42.49 -0.1
iSg 39 05.55
PVY 1.60 355 iPgd 38 42.18 -0.9
iSg 39 05.26
BDV 1.62 323 iPnd 38 43.45 0.2
iSn 39 06.93
IVA 1.88 354 iPnd 38 47.39 0.3
iSn 39 12.20
HCY 1.91 320 iPnd 38 47.69 0.3
iSn 39 13.30
NKY 2.01 335 iPnd 38 49.36 0.4
iSn 39 15.70
BRY 2.25 328 iPnd 38 52.79 0.3
iSn 39 21.75
PLE 2.40 347 iPnd 38 54.25 -0.3
iSn 39 24.80
S.D. = 0.8 on 11 of 11 obs.

JUN 02, 1992 02h 10m 55.67± 0.40s
7.806 N ± 5.9km 137.109 E ± 9.6km
DEPTH = 33.0km (normal)
4.6mb (8 obs.) 4.1Msz (3 obs.)
WESTERN CAROLINE ISLANDS (209)

PJG 9.54 52 e(P) 13 13.20 -0.7
WWKK 13.08 150 eP 14 03.90 2.0
LAT 17.42 145 iPd 13 57.80 -60.2X
KAGJ 23.98 347 P 16 09.40 1.3
KUMJ 25.29 348 P 16 20.30 -0.4
SSE 27.54 329 P 16 45.00 3.6X
1.0s 9.00nm 4.4mb
Z 20s 0.50um 4.1Msz
WB2 27.71 186 eP 16 42.70 -0.4
0.6s 10.20nm 4.7mb
QIS 28.29 175 iPc 16 47.50 -0.9
1.0s 19.00nm 4.7mb
ASPA 31.44 186 iPc 17 15.90 -0.5
0.8s 8.60nm 4.6mb
WARB 35.28 196 eP 17 50.00 0.3
BJI 37.16 333 eP 18 05.50 0.2
1.0s 13.00nm 4.7mb
Z 20s 0.30um 4.1Msz
STK 39.69 174 eP 18 26.00 -0.6
1.0s 4.70nm 4.2mb
LZH 41.39 318 eP 18 41.50 0.7
1.5s 28.00nm 4.8mb
Z 18s 0.34um 4.3Msz
sP 19 02.50
BFD 45.03 174 eP 19 06.00 -4.1X
GUN 52.27 299 P 20 06.50 -0.3
KKN 52.76 299 P 20 10.10 -0.2
HYB 57.75 286 eP 20 46.30 0.0
MBC 85.67 13 eP 23 32.50 0.5
YKA 91.42 26 eP 23 58.70 -0.9
0.8s 1.00nm 4.3mb
LPB 153.90 112 PKP 31 02.00 15.6X
ZOBO 153.94 111 PKP 31 03.80 17.1X
S.D. = 0.9 on 16 of 21 obs.

& JUN 02, 1992 03h 17m 12.63s
58.207 N 142.227 W
DEPTH = 10.0km (geophysicist)
GULF OF ALASKA (15)
<AEIC>. ML 2.7 (AEIC).

PNL 2.07 44 eP 17 42.91 -5.0
HON 2.14 53 eP 17 43.29 -5.6
PCA 2.15 27 eP 17 44.27 -4.8
YAH 2.18 6 eP 17 44.81 -4.8
eS 18 09.06
BCPM 2.20 36 eP 17 44.92 -4.9
BALM 2.84 359 iP 17 52.00 -6.9
6 obs. associated

? JUN 02, 1992 03h 27m 56.40± 5.02s
36.924 S ±49.3km 176.204 E ±29.6km
DEPTH = 109.8 ± 28.3 km
OFF E. COAST OF N. ISLAND, N.Z. (160)

HBZ 1.80 113 eP 28 26.40 -0.9
PUZ 2.00 126 P 28 29.20 -0.6
eS 28 53.40
PAHZ 2.05 161 eP 28 32.90 2.4
NOZ 2.23 140 P 28 32.90 0.1
NGZ 2.30 192 eP 28 39.70 5.8X
WAHZ 2.77 178 P 28 41.90 1.8
PGZ 3.69 179 eP 28 52.70 0.3
KIW 4.06 194 P 28 57.60 0.1
DIW 4.26 204 eP 29 02.10 1.8
MTW 4.26 187 eP 28 59.20 -1.1
CAW 4.27 192 P 28 59.50 -0.9
AMW 4.39 184 P 29 00.00 -2.0
MRW 4.46 195 eP 29 02.70 -0.2
S 29 56.90
TCW 4.54 199 P 29 04.00 0.0
KHZ 5.86 200 P 29 20.80 -1.4
eS 30 29.00
LPB 99.45 119 P 41 30.00 1.3
ZOBO 99.59 119 P 41 29.00 -0.6
S.D. = 1.4 on 16 of 17 obs.

? JUN 02, 1992 03h 30m 19.80± 2.29s
11.747 N ±32.6km 88.317 W ±27.3km
DEPTH = 78.1 ± 32.2 km
4.5mb (2 obs.)
OFF COAST OF CENTRAL AMERICA (76)

JCR 3.67 121 eP 31 15.00 -0.4
OCR 4.68 119 eP 31 29.65 0.1
LCR2 4.68 115 eP 31 29.85 0.1
VCR 4.88 109 eP 31 18.78 -13.7X
BUS 4.98 115 eP 31 34.35 0.2
UYO 23.01 347 iPd 35 18.80 0.1
VVO 24.43 345 eP 35 32.30 -0.1
e 35 40.40
Lg 38 16.70
MEO 24.76 339 iPc 35 35.20 -0.4
FNO 24.81 342 iPc 35 35.70 -0.4
TUL 24.99 346 ePd 35 37.00 -0.7
1.0s 26.80nm 4.6mb
Lg 38 20.50
LNO 24.99 346 eP 35 36.70 -0.9
Lg 38 19.50
RLO 25.05 347 e(P) 35 39.10 0.7
Lg 38 23.70
OCO 25.08 342 iPd 35 39.90 1.3
ACO 26.69 340 iPc 35 53.10 -0.4
ULM 38.89 352 eP 37 38.50 -0.7
LMN 39.44 26 eP 37 44.50 0.7
LRM 39.68 333 eP 37 48.10 1.9
SES 42.81 339 eP 38 12.00 0.5
FCC 47.12 356 ePd 38 46.00 0.4
YKA 54.07 345 eP 39 36.70 -1.6
0.8s 2.90nm 4.4mb
MBC 66.60 352 eP 41 03.00 -0.4
WRA 138.26 253 PKP 49 51.50 12.8X
0.7s 0.90nm
S.D. = 0.9 on 20 of 22 obs.

JUN 02, 1992 03h 57m 26.21± 0.43s
43.946 N ± 3.4km 7.450 E ± 4.3km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 1.9 (LDG), 1.4 (GEN), 1.0
(STR).

AUTN 0.05 341 Pg 57 28.28 -0.3
Sg 57 29.69
SBF 0.08 188 Pg 57 29.00 0.2
Sg 57 30.80
AURF 0.11 236 Pg 57 29.11 0.0
Sg 57 31.10
ENR 0.28 356 P 57 31.91 -0.2
S 57 35.39
STV 0.31 343 P 57 32.93 0.2
S 57 36.11
IMI 0.32 96 P 57 32.83 0.0
S 57 38.37
ROB 0.46 41 P 57 35.60 0.0
S 57 41.96
PZZ 0.61 336 P 57 38.78 0.1
S 57 45.85
FRF 0.70 237 Pg 57 39.70 -0.3
Sg 57 48.60
LMR 0.92 228 Pg 57 43.70 0.0
Sg 57 55.70
LRG 0.93 239 Pg 57 44.10 0.1
Sg 57 56.80
S.D. = 0.2 on 11 of 11 obs.

% JUN 02, 1992 04h 55m 28.41± 0.92s
40.420 N ± 8.2km 29.709 E ± 6.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

YLV 0.30 300 iPg 55 34.60 0.0
eSg 55 39.60
EYL 0.37 67 iPg 55 36.10 0.0
HRT 0.40 356 iPg 55 36.60 -0.1
iSg 55 41.60
DST 1.16 226 ePn 55 50.10 -0.1
BNT 1.37 268 ePn 55 53.60 0.1
S.D. = 0.1 on 5 of 5 obs.

? JUN 02, 1992 05h 58m 18.18± 3.91s
6.193 S ±33.9km 147.698 E ±25.6km
DEPTH = 63.7 ± 17.6 km
4.5mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.45 159 iPc 58 30.00 -0.1
LAT 0.83 237 iPd 58 34.20 -0.2
YYYY 1.72 268 eP 58 46.80 0.2
PMG 3.24 190 eP 59 08.00 0.3
WB2 18.84 222 eP 02 35.70 -0.2
0.1s 3.50nm 4.5mb
S.D. = 0.5 on 5 of 5 obs.

JUN 02, 1992 06h 11m 24.31± 0.40s
5.419 S ± 4.2km 147.053 E ± 6.5km
DEPTH = 220.2 ± 3.6 km
4.9mb (21 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 1.23 182 iPc 11 58.30 0.3
MDG 1.28 278 eP 11 58.80 0.5
YYYY 1.36 233 iPc 11 59.20 0.1
FINC 1.43 146 eP 11 57.90 -1.6
MNDI 3.46 258 eP 12 21.50 0.5
WWKK 3.86 297 eP 12 27.10 1.4
eS 13 13.50
PMG 3.97 179 iPd 12 25.80 -1.1
eS 13 11.00
QIS 16.70 205 iPd 15 06.70 -0.8
0.8s 79.00nm 5.2mb
MTN 17.36 244 iPc 15 13.60 -0.9
WB2 19.00 219 iPc 15 31.20 -0.5
0.6s 257.90nm 5.9mb
eS 18 53.80
RMQ 21.02 176 iPd 15 53.00 1.2
0.8s 51.00nm 5.1mb
QLP 21.22 187 iPd 15 54.60 0.8
0.6s 61.00nm 5.3mb
ASPA 22.13 214 iPd 16 03.90 1.2
0.8s 143.70nm 5.6mb
Z 19s 0.30um 3.7Msz
iS 19 51.10
ARMA 25.24 171 iPc 16 32.40 0.4
0.7s 23.00nm 4.9mb
STK 26.82 190 eP 16 45.30 -0.9
0.6s 2.80nm 4.1mb
i 16 59.60
WARB 28.41 221 iPd 17 00.70 0.1

BFD 31.88 187 iPd 17 32.50 1.7
0.9s 37.00nm 5.0mb
MRWA 37.71 228 iPc 18 20.30 -0.1
CHJJ 41.94 350 P 18 54.60 -0.4
MAT 42.55 349 eP 19 00.00 0.0
1.0s 25.00nm 4.6mb
MTMJ 42.67 349 P 19 01.00 -0.1
NIIJ 43.10 351 P 19 04.80 0.4
SSE 43.92 327 iPc 19 11.80 0.7
0.7s 37.00nm 4.9mb
OFUJ 44.55 354 eP 19 16.10 0.2
BJI 53.42 331 eP 20 23.00 -0.7
1.0s 20.00nm 4.6mb
LZH 57.81 319 Pd 20 56.00 0.8
1.5s 51.00nm 5.0mb
GUN 67.60 303 P 21 59.10 -0.9
0.4s 17.00nm 5.1mb
PKI 67.88 303 P 22 01.40 -0.3
KKN 68.06 303 P 22 02.00 -0.7
0.5s 9.00nm 4.8mb
DMN 68.15 302 P 22 02.50 -0.8
0.5s 14.00nm 4.9mb
GKN 68.66 303 P 22 05.10 -1.2
0.6s 18.00nm 5.0mb
SVW 79.69 25 eP 23 10.70 2.1
PMR 82.66 26 eP 23 23.20 -0.8
0.6s 11.90nm 4.8mb
IMA 83.00 21 eP 23 25.84 0.0
1.3s 9.82nm 4.4mb
FBA 84.63 23 eP 23 32.61 -1.3
0.7s 12.51nm 4.8mb
BALM 85.47 27 eP 23 38.65 0.4
ORV 94.53 51 eP 24 21.55 0.6
NEW 97.89 42 eP 24 36.59 0.5
1.0s 8.50nm 5.1mb
YKA 98.64 28 eP 24 39.20 0.1
0.8s 1.00nm 4.3mb
BRG 120.24 328 i(PKP)29 50.20 -0.3
0.9s 10.00nm
CLL 120.50 328 iPKP 29 50.30 -0.7
0.8s 7.00nm
GEC2 121.46 326 PKP 29 51.80 -1.3
0.6s 3.23nm
HAU 125.94 328 ePKP 30 01.50 -0.2
0.6s 6.75nm
JSC 126.93 51 ePKP 30 03.35 -0.6
PGF 127.62 321 ePKP 30 05.00 -0.2
1.0s 16.00nm
LBF 127.83 329 ePKP 30 05.30 0.0
0.5s 1.25nm
SMF 128.12 328 ePKP 30 05.30 -0.6
AVF 128.28 329 ePKP 30 05.90 -0.2
0.5s 1.60nm
BGF 128.69 329 ePKP 30 07.20 0.3
0.7s 6.05nm
FLN 128.77 333 ePKP 30 07.20 0.2
MAF 129.06 329 ePKP 30 06.90 -0.8
TCF 129.20 329 ePKP 30 08.40 0.4
0.7s 6.85nm
GRR 129.21 333 ePKP 30 08.20 0.4
0.6s 3.95nm
LPF 129.56 333 ePKP 30 03.90 -4.6X
0.7s 9.70nm
LPO 130.81 328 ePKP 30 12.00 1.0
0.6s 3.70nm
SDV 142.46 83 ePKP 30 30.00 -3.7X
TOV 143.24 81 ePKP 30 32.30 -2.6X
PPD 147.32 147 (PKP) 30 43.00 1.6
e 30 46.10
TIC 152.20 274 PKP 30 56.40 7.3X
LIC 152.21 273 PKP 30 56.40 7.4X
S.D. = 0.8 on 55 of 60 obs.

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* JUN 02, 1992 07h 18m 21.98± 0.86s
5.661 S ± 9.1km 145.319 E ±10.2km
DEPTH = 33.0km (normal)
3.4mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

MDG 0.61 48 iPc 18 33.50 -0.7
YYYY 0.86 132 eP 18 41.30 3.4X
LAT 1.94 121 eP 18 54.30 1.1
WWKK 2.64 320 eP 19 03.60 0.4
PMG 4.14 154 eP 19 24.00 -0.6
eS 20 13.00
WB2 17.76 216 eP 22 28.20 -0.2
0.8s 2.80nm 3.4mb

S.D. = 1.0 on 5 of 6 obs.

JUN 02, 1992 08h 19m 20.63± 0.71s
40.619 N ± 6.9km 15.452 E ± 7.3km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

SGO 0.12 241 P 19 23.10 -0.6
MGR 0.49 171 P 19 28.90 -1.6
eSg 19 38.20
MMN 0.84 150 P 19 37.60 0.8
eSg 19 52.10
ORI 0.94 126 P 19 39.50 0.9
CSI 1.06 142 P 19 41.50 0.9
TDS 1.18 144 P 19 43.10 0.5
DUI 1.28 325 P 19 43.00 -1.5
ROI 1.35 140 P 19 45.80 0.3
BRT 1.36 78 P 19 44.30 -1.2
eSg 20 00.80
CZI 1.49 159 P 19 47.00 -0.5
SDI 1.64 312 P 19 52.40 2.7
LCI 1.93 98 P 19 55.00 1.2
SOI 2.59 169 P 20 02.70 -0.5
OHR 4.08 81 e(Pn) 20 23.00 -1.5
S.D. = 1.4 on 14 of 14 obs.

? JUN 02, 1992 08h 46m 19.81± 3.61s
34.857 N ±38.4km 23.882 E ±22.1km
DEPTH = 75.0 ± 17.8 km
4.1mb (2 obs.)
CRETE (370)

NPS 1.48 74 eP 46 46.00 1.0
VLI 2.01 338 eP 46 52.00 -0.3
VLS 4.24 322 eP 47 22.00 -1.4
ELL 5.25 67 ePn 47 37.50 -0.1
VAY 6.54 351 ePn 47 52.60 -2.7
OHR 6.70 340 ePn 47 59.00 1.3
KHC 16.17 335 eP 50 06.00 2.4
1.0s 7.00nm 3.8mb
e 50 16.00
PRU 16.60 338 eP 50 10.30 1.3
HFS 26.15 348 eP 51 47.70 -0.7
0.5s 5.70nm 4.4mb
Z 16s 0.02um 2.8MszX
LR 01 06.00
GKN 51.61 80 P 55 20.80 -0.2
DMN 52.15 80 P 55 25.00 -0.1
KKN 52.22 80 P 55 25.60 0.0
PKI 52.41 80 P 55 27.00 -0.2
GUN 52.65 79 P 55 28.60 -0.4
S.D. = 1.4 on 14 of 14 obs.

% JUN 02, 1992 08h 49m 24.88± 0.84s
39.131 N ± 7.3km 27.585 E ± 8.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.77 199 iPg 49 40.00 0.0
eSg 49 53.00
DST 0.94 59 iPn 49 42.80 0.0
EZN 1.20 306 ePn 49 47.20 0.0
BNT 1.25 12 iPn 49 48.00 -0.1
KCT 1.27 28 iPn 49 48.50 0.1
S.D. = 0.1 on 5 of 5 obs.

JUN 02, 1992 09h 40m 05.86± 0.32s
31.283 N ± 5.1km 141.757 E ± 6.8km
DEPTH = 40.4km (3 depth phases)
4.8mb (24 obs.) 4.5Msz (2 obs.)
SOUTH OF HONSHU, JAPAN (211)

KAKJ 5.08 345 iPd 41 20.60 -0.9
S 42 18.60
IIDJ 5.28 323 iPd 41 26.60 2.2
S 42 36.50
CHJJ 5.28 335 iPd 41 23.90 -0.5
S 42 26.60
MAT 6.02 332 iPd 41 35.60 0.8
1.0s 67.00nm 5.1mb
iS 42 46.20
MTMJ 6.22 329 iPd 41 39.10 1.3
NIIJ 6.36 340 P 41 38.50 -1.1
S 42 51.10
TSRJ 6.43 313 P 41 45.80 5.3X
YAMJ 7.02 349 P 41 46.10 -2.7
eS 43 04.30
OFUJ 7.78 359 P 41 55.30 -4.1X
S 43 17.40
KAGJ 9.31 272 P 42 25.50 5.0X
KUMJ 9.37 281 P 42 26.30 4.9X
SHNJ 9.41 290 eP 42 25.60 3.7X
MRRJ 11.13 357 eP 42 41.70 -3.8X
eS 44 38.70
HOOJ 11.15 6 eP 42 40.50 -5.1X
eS 44 33.60
KUSJ 12.03 10 eP 42 51.30 -6.2X
eS 44 55.50
ASAJ 12.83 3 eP 43 05.30 -2.9
SSE 17.60 275 eP 44 04.50 -5.2X
Z 16s 2.20um
N 11s 0.70um
E 12s 0.80um
S 47 36.00
sS 47 44.00
PJG 17.84 170 eP 44 14.60 1.8
GUMO 17.84 170 eP 44 14.10 1.3
1.3s 212.10nm 5.1mb
GUA 17.90 170 eP 44 14.00 0.5
1.0s 160.00nm 5.1mb
BJI 22.49 300 eP 45 03.00 0.1
1.0s 44.00nm 4.9mb
Z 18s 1.18um 4.4Msz
N 15s 0.88um
ePP 45 32.00
eS 49 08.00
eSS 49 52.00
LZH 31.77 289 eP 46 27.20 -1.5
1.4s 36.00nm 5.0mb
E 13s 1.00um
pP 46 37.00 35km
sP 46 41.00
PP 47 26.50
eS 51 29.00
CHG 40.49 263 eP 47 42.60 0.0
GUN 48.27 281 P 48 45.20 -0.3
0.8s 43.00nm 5.5mb
PKI 48.77 281 P 48 49.00 -0.3
DMN 49.01 281 P 48 51.00 -0.1
GKN 49.28 282 P 48 52.60 -0.4
0.9s 23.00nm 5.2mb
TTA 50.06 32 eP 48 59.10 0.7
WB2 51.43 189 iPc 49 07.40 -1.7
0.9s 19.90nm 5.1mb
WRA 51.43 189 P 49 07.60 -1.5
0.4s 8.10nm 5.1mb
IMA 51.55 28 eP 49 10.81 1.0
0.7s 2.09nm 4.2mb
OIS 51.58 183 eP 49 08.00 -2.3
1.0s 15.00nm 4.9mb
CRP 51.68 34 eP 49 10.83 0.0
FBA 53.87 30 eP 49 26.16 -0.7
0.8s 7.77nm 4.8mb
ASPA 55.15 189 iPc 49 34.30 -2.4
0.6s 22.00nm 5.4mb
Z 22s 0.50um 4.5Msz
eS 57 20.70
NDI 55.24 285 iPc 49 35.80 -1.6
HYB 58.52 272 eP 50 00.00 -0.8
MBC 61.96 16 eP 50 23.50 0.0
1.0s 2.00nm 4.2mb
OUE 63.08 290 eP 50 32.60 0.9
MAIO 66.57 299 eP 50 56.00 1.8
YKA 68.66 29 eP 51 05.60 -1.2
1.2s 3.10nm 4.2mb
DAG 71.52 355 eP 51 24.20 0.2
OBN 72.89 325 eP 51 33.00 0.6
0.8s 15.00nm 5.0mb
Z 14s 0.60um 5.0MszX
N 14s 0.40um
E 14s 0.30um
NEW 74.09 43 eP 51 39.00 -0.6
1.0s 10.00nm 4.7mb
NUR 75.17 333 eP 51 47.00 1.6
SES 76.41 39 eP 51 52.00 -0.8
pP 52 15.00 87kmX
LRM 78.09 43 eP 52 01.90 -0.5
BONR 78.49 53 eP 52 04.28 -0.5
TNP 79.15 52 eP 52 10.00 1.7
0.8s 3.24nm 4.3mb
HFS 79.45 336 eP 52 03.20 -6.0X
0.9s 3.20nm 4.3mb
HVU 80.08 47 eP 52 13.82 0.6
DUG 80.93 48 eP 52 18.01 0.3

02d 09h

0.9s 7.08nm 4.6mb
PEC 81.38 56 eP 52 19.54 -0.5
0.7s 3.48nm 4.5mb
DAU 81.80 48 eP 52 22.89 0.5
e 52 35.48 42km
ARUT 81.84 51 eP 52 22.46 0.0
MSU 82.27 50 eP 52 25.26 0.4
SRU 83.00 48 eP 52 27.96 -0.6
GLA 83.47 55 eP 52 30.89 0.0
e 52 44.11 45km
RSSD 83.94 41 eP 52 33.79 0.5
1.0s 3.52nm 4.4mb
OJC 83.98 327 eP 52 34.80 1.8
PV10 84.37 48 eP 52 36.00 0.4
KSP 85.14 329 eP 52 40.00 1.1
CLL 86.22 331 eP 52 46.00 1.8
1.2s 10.00nm 4.9mb
GEC2 87.75 329 P 52 53.90 2.1
1.1s 1.27nm 4.1mb
ZOBO 148.97 68 PKP 59 52.00 3.8X
Z 24s 0.05um 4.2MszX
LR 51 32.00
LPB 149.13 69 PKP 59 50.20 2.0X
S.D. = 1.3 on 54 of 66 obs.

? JUN 02, 1992 09h 40m 22.29± 8.64s
19.160 N ±39.8km 64.767 W ±64.5km
DEPTH = 10.0km (geophysicist)
VIRGIN ISLANDS (91)

LPR 1.35 231 P 40 47.20 0.1
S 41 07.00
CPD 1.56 225 P 40 50.40 0.3
SJG 1.68 232 iP 40 51.30 -0.5
S 41 13.80
CLLP 2.02 238 P 40 56.70 -0.1
PORP 2.09 238 P 40 57.80 0.0
LRS 2.15 247 P 40 58.80 0.1
MGP 2.48 243 P 41 03.50 0.1
S.D. = 0.3 on 7 of 7 obs.

JUN 02, 1992 10h 35m 09.64± 1.27s
33.558 S ± 7.2km 70.624 W ± 8.6km
DEPTH = 76.8 ± 13.7 km
CHILE-ARGENTINA BORDER REGION (127)
MD 3.8 (SAN).

SAN 0.11 343 eP 35 20.90 -0.2
iS 35 30.60
PCH 0.11 124 iPc 35 21.10 -0.1
iS 35 30.20
TACH 0.28 250 iPc 35 21.90 0.3
CHCH 0.38 184 iPc 35 22.20 -0.1
PEL 0.42 353 iPd 35 22.80 0.2
iS 35 33.30
CACH 0.56 178 iPc 35 24.20 0.2
iS 35 36.00
ROCH 0.67 331 iPc 35 25.10 -0.1
iS 35 37.60
LNV 0.77 239 iPc 35 25.50 -0.4
iS 35 38.20
LCCH 0.79 276 iPc 35 26.60 0.3
JACH 0.87 2 iPd 35 27.00 -0.4
iS 35 41.10
RTBS 2.13 28 eP 35 44.50 0.7
S 36 12.50
RTCB 2.58 37 ePd 35 49.60 -0.5
S 36 17.50
S.D. = 0.4 on 12 of 12 obs.

? JUN 02, 1992 10h 50m 53.65± 3.10s
43.550 N ±24.0km 10.321 E ±12.4km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

PII 0.23 41 P 50 58.20 -0.3
eSg 51 04.00
BDI 0.55 21 P 51 05.00 0.1
eSg 51 16.50
PGD 1.07 72 P 51 14.40 0.6
SFI 1.17 71 P 51 15.00 -0.5
BOB 1.37 333 P 51 18.80 0.0
S.D. = 0.6 on 5 of 5 obs.

JUN 02, 1992 11h 46m 25.11± 0.23s
47.660 N ± 5.6km 155.461 E ± 3.4km
DEPTH = 45.3km (16 depth phases)
5.0mb (68 obs.) 4.7Msz (1 obs.)
EAST OF KURIL ISLANDS (222)

SKR 3.04 8 ePn 47 08.10 -3.8X
Z 14s 8.60um
N 14s 4.40um
E 12s 10.70um
PET 5.74 20 ePn 47 46.00 -3.9X
KUR 5.78 248 iPnc 47 48.20 -2.3
YSS 8.68 270 ePnc 48 31.90 1.0
Z 16s 9.50um
N 16s 3.50um
E 16s 5.40um
e 50 20.00
KUSJ 8.83 243 eP 48 26.60 -6.4X
eS 49 58.30
ASAJ 9.62 253 P 48 42.20 -1.6
HOOJ 10.10 243 eP 48 45.80 -4.6X
eS 50 30.00
MRRJ 11.44 248 eP 49 04.40 -4.2X
MGD 12.76 349 ePn 49 20.00 -6.1X
eS 51 56.00
OFUJ 13.18 234 eP 49 24.50 -7.3X
YAMJ 14.73 236 eP 49 44.90 -7.2X
SEY 15.37 355 eP 49 59.00 -1.3
1.8s 50.00nm 4.4mb
NIIJ 15.97 235 P 50 02.30 -5.7X
S 52 36.60
MAT 16.91 235 (P) 50 14.00 -6.0X
0.9s 12.60nm 4.0mb
MTMJ 17.10 236 P 50 18.10 -4.4X
S 52 52.20
MDJ 18.16 270 eP 50 31.80 -3.5X
TSRJ 18.88 237 P 50 41.30 -3.0X
S 53 16.00
YAK 20.45 324 iPc 50 58.00 -2.9X
1.1s 145.00nm 5.2mb
CN2 21.24 271 Pc 51 06.20 -2.9X
1.0s 18.00nm 4.4mb
Z 14s 3.42um 4.9MszX
N 14s 1.04um
E 14s 2.94um
epP 51 15.00 32kmX
eS 55 00.00
SHNJ 22.72 242 P 51 10.70 -13.3X
KUMJ 24.01 240 P 51 37.00 0.5
ILT 24.17 24 iPd 51 37.00 -0.7
1.8s 192.00nm 5.3mb
i 51 49.00 48km
i 52 13.00
KAGJ 24.96 238 P 51 47.80 2.1
BOD 26.57 308 iPc 52 01.60 1.2
0.7s 19.00nm 4.8mb
ANM 27.00 37 eP 52 03.35 -0.9
epP 52 15.66 48km
CIT 27.07 295 eP 52 04.00 -1.1
BJI 29.09 269 eP 52 24.00 0.7
1.0s 11.00nm 4.5mb
HHC 31.83 274 P 52 46.40 -1.3
1.2s 56.00nm 5.3mb
Z 18s 1.45um 4.7Msz
N 15s 1.67um
eS 58 04.00
IMA 32.13 37 eP 52 48.72 -1.3
0.9s 10.02nm 4.7mb
CRP 32.38 46 eP 52 50.20 -2.1
BRW 32.44 26 eP 52 53.10 0.6
TIY 32.78 268 Pc 52 56.60 0.7
ZAK 33.75 294 iPc 53 03.00 -1.1
1.2s 18.00nm 4.9mb
FBA 34.45 39 eP 53 09.32 -0.7
1.3s 109.56nm 5.6mb
epP 53 21.87 47km
TOA 35.21 44 eP 53 16.40 -0.2
KLU 35.37 45 eP 53 17.17 -0.8
epP 53 30.38 50km
WHN 35.71 256 eP 53 20.00 -1.0
BALM 37.14 45 eP 53 32.79 -0.1
XAN 37.18 266 P 53 34.50 1.0
N 14s 2.92um
E 16s 2.20um
pP 53 45.00 36km
NRI 38.62 328 ePc 53 43.00 -2.1
0.8s 11.00nm 4.8mb
e 55 18.00 531kmX
LZH 39.46 272 eP 53 53.50 0.8
1.5s 57.00nm 5.2mb
pP 54 01.50 27kmX
sP 54 04.50
GTA 40.41 279 P 54 00.00 -0.4
1.0s 17.00nm 4.8mb
sP 54 12.00
CD2 42.55 266 eP 54 17.80 -0.1
1.2s 50.00nm 5.1mb
MBC 43.19 20 eP 54 24.00 1.4
0.9s 5.00nm 4.2mb
GYA 43.47 259 iPc 54 25.40 -0.2
1.0s 18.00nm 4.8mb
WMO 46.09 292 P 54 45.50 -0.8
0.9s 9.70nm 4.7mb
sP 54 57.00
KMI 46.98 261 Pc 54 55.50 1.8
2.0s 70.00nm 5.3mb
pP 55 05.00 32kmX
SEM 47.41 303 ePd 54 55.10 -1.5
1.2s 60.00nm 5.5mb
i 55 07.50 45km
YKA 49.23 38 eP 55 09.60 -0.8
1.0s 8.80nm 4.7mb
LSA 51.81 274 eP 55 31.00 -0.2
PNT 53.39 54 eP 55 41.00 -1.1
0.8s 13.00nm 5.0mb
CHG 53.88 258 eP 55 46.00 0.0
e 58 19.00
SVE 54.26 318 ePd 55 48.00 -0.3
1.9s 40.00nm 5.1mb
DPW 54.97 55 eP 55 52.83 -1.0
(pP) 56 06.44 49km
NEW 55.35 54 eP 55 55.40 -1.1
1.0s 11.50nm 4.9mb
GUN 56.51 276 P 56 03.40 -2.0
LBFM 56.63 63 eP 56 05.19 -0.8
(pP) 56 17.65 44km
KKN 56.99 276 P 56 08.00 -0.7
PKI 57.04 276 P 56 08.00 -1.2
1.2s 61.00nm 5.5mb
DMN 57.22 276 P 56 09.40 -1.0
1.1s 117.00nm 5.8mb
GKN 57.28 277 P 56 09.50 -1.2
1.0s 73.00nm 5.7mb
SES 57.33 49 eP 56 10.00 -0.6
ORV 57.94 65 eP 56 13.18 -1.8
epP 56 25.93 45km
LRM 59.37 54 eP 56 25.00 -0.2
FCC 59.61 34 eP 56 27.00 0.7
KHO 59.77 294 eP 56 23.20 -4.8X
BONR 60.90 65 eP 56 35.70 0.0
TNP 61.47 64 eP 56 39.11 -0.5
0.8s 7.80nm 4.9mb
epP 56 52.01 45km
DUG 62.73 59 eP 56 48.04 0.2
0.8s 6.63nm 4.8mb
DAU 63.49 58 eP 56 53.13 0.1
ARUT 63.94 62 eP 56 55.77 0.0
EMUT 64.14 59 eP 56 57.01 -0.2
MSU 64.21 61 eP 56 57.82 0.2
epP 57 11.12 47km
SRU 64.78 59 eP 57 00.37 -0.9
ULM 64.78 42 eP 57 03.00 2.1
RSSD 65.01 51 iPc 57 02.29 -0.5
0.8s 24.04nm 5.3mb
epP 57 15.00 44km
OBN 65.45 326 eP 57 07.00 2.0
e 57 17.00 32kmX
GLA 66.24 67 (P) 57 09.51 -1.0
GOL 67.31 56 eP 57 18.28 0.7
0.8s 6.42nm 4.7mb
QUE 67.43 290 eP 57 18.30 0.0
UPP 67.46 338 iP 57 17.10 -0.7
MAIO 67.82 300 eP 57 21.00 0.5
HFS 68.15 341 eP 57 21.00 -1.1
0.9s 34.10nm 5.4mb
HYB 68.57 273 eP 57 24.50 -0.8
KONO 69.47 342 eP 57 32.30 2.1
WB2 69.92 201 iPc 57 32.40 -1.0
0.9s 12.10nm 4.9mb
WRA 69.92 201 P 57 32.80 -0.6
0.6s 3.90nm 4.6mb
ALQ 70.00 60 eP 57 34.57 0.5
0.8s 4.34nm 4.5mb
epP 57 47.47 44km
POO 70.95 277 eP 57 47.50 7.6X
PYA 71.06 315 iP 57 40.00 -0.2
e 57 53.00 45km

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KIV    71.30 315 iP    57 42.80    1.1
MTA    71.96 313 iPc   57 45.80    0.3
GRS    72.82 310 eP    57 51.00    0.1
       1.4s    40.00nm        5.2mb
ACO    72.89  54 iPd   57 51.00   -0.2
ERE    73.24 312 iP+   57 52.00   -1.2
ASPA   73.60 201 iPc   57 55.80    0.5
       0.9s    15.00nm        4.9mb
RMO    74.05 186 iPc   57 58.40    0.6
EEO    74.70  36 eP    58 02.00    0.5
OJC    75.28 332 eP    58 07.00    2.3
                 i     58 18.80   39km
LNO    75.29  53 eP    58 04.90    0.0
TUL    75.29  53 eP    58 05.00    0.0
       1.0s    25.20nm        5.1mb
RLO    75.51  52 eP    58 06.30    0.0
VVO    75.75  53 eP    58 08.10    0.5
KSP    75.78 335 eP    58 07.60    0.0
                 ic    58 10.50   9kmX
EKA    75.81 348 Pd    58 10.70    3.0X
       1.2s    19.00nm        4.9mb
UZH    75.84 330 eP    58 26.50   18.6X
       1.0s    25.00nm
SPC    76.04 332 eP    58 08.00   -1.2
CCM    76.04  48 eP    58 08.71   -0.5
       0.9s    12.81nm        4.9mb
CLL    76.28 337 iPc   58 10.40    0.1
       1.0s    32.00nm        5.2mb
FVM    76.50  48 iP    58 12.00    0.2
       0.6s    45.51nm        5.6mb
WTS    77.16 341 eP    58 15.50    0.3
       0.8s    15.00nm        5.1mb
UYO    77.32  53 iPd   58 16.10   -0.3
DMU    77.72 349 eP    58 22.40    4.1X
ARMA   77.80 183 eP    58 19.00    0.0
OLY    77.88  50 ePd   58 19.04   -0.4
WARB   77.95 206 eP    58 21.20    1.4
GRF    78.22 337 eP    58 20.80   -0.3
                 e     58 24.40  12kmX
DLF    78.26 349 eP    58 23.20    2.0
       0.9s   134.00nm        6.0mb
DCN    78.31 350 eP    58 22.90    1.4
ENN    78.51 341 eP    58 22.50   -0.1
       1.0s    27.00nm        5.2mb
KBA    80.02 335 iPc   58 32.20    1.1
       0.9s    35.50nm        5.3mb
                 i     58 35.40  10kmX
                 i     58 49.10
WTTA   80.33 336 iPc   58 33.00    0.2
       0.9s    25.40nm        5.2mb
                 i     58 36.00  10kmX
CDF    80.40 339 eP    58 33.00    0.0
       1.1s    21.50nm        5.0mb
LMN    80.42  27 eP    58 35.50    2.5
ZLA    80.99 338 P     58 40.43    4.3X
OSS    81.27 337 P     58 42.41    4.7X
TKL    81.60  45 eP    58 39.94    0.5
FLN    81.72 344 eP    58 39.90    0.1
       1.0s    11.20nm        4.8mb
BLA    81.89  42 eP    58 42.00    1.0
       0.7s     9.44nm        4.9mb
SKO    81.91 327 eP    58 41.30    0.4
       1.0s    53.00nm        5.5mb
                 i     01 15.00 768kmX
                 i     01 18.00
                 i     01 38.50
VAY    82.06 326 eP    58 41.70    0.0
TMA    82.14 337 P     58 46.72    4.4X
GRR    82.15 344 eP    58 42.50    0.5
       0.9s    11.45nm        4.9mb
LOR    82.26 341 eP    58 42.70    0.0
       1.1s    12.70nm        4.9mb
MMK    82.43 338 P     58 49.13    5.3X
LBF    82.51 341 eP    58 44.10    0.1
       0.9s     6.70nm        4.7mb
LPF    82.52 344 eP    58 44.50    0.5
       1.1s    21.00nm        5.1mb
SSF    82.54 341 eP    58 44.20    0.1
       0.8s     4.85nm        4.6mb
DIX    82.54 338 P     58 47.95    3.5X
CSS    82.82 315 eP    58 48.50    2.7X
AVF    82.83 341 eP    58 45.80    0.2
       0.8s     7.95nm        4.8mb
SMF    82.86 341 eP    58 46.10    0.3
       1.0s    20.00nm        5.1mb
OHR    82.90 327 eP    58 43.50   -2.6
LPL    83.24 338 eP    58 49.00    1.0
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       0.9s    15.90nm        5.1mb
LPG    83.25 338 eP    58 49.20    1.0
       0.9s    23.25nm        5.2mb
MAF    83.54 341 eP    58 50.00    0.7
       0.9s    10.00nm        4.9mb
TCF    83.55 342 eP    58 49.60    0.2
       0.9s     6.20nm        4.7mb
PRM    83.55  45 eP    58 50.50    1.0
                 epP   59 04.57   48km
CEH    83.58  42 P     58 40.82   -8.8X
       0.8s    31.36nm        5.4mb
FIR    83.63 335 eP    59 05.00   15.3X
MFF    83.73 343 eP    58 50.60    0.4
       0.9s     9.00nm        4.8mb
LSF    83.73 342 eP    58 50.90    0.6
       0.9s    12.30nm        5.0mb
MML    83.85 313 eP    58 51.70    0.6
JSC    83.92  44 eP    58 51.87    0.5
LHS    83.96  44 eP    58 52.23    0.6
DSI    84.57 312 eP    58 54.90    0.2
RJF    84.64 342 eP    58 54.80    0.0
       1.0s    12.20nm        5.0mb
CAF    84.88 341 eP    58 56.60    0.5
       1.1s    15.15nm        5.0mb
LFF    85.15 342 eP    58 57.70    0.4
       1.0s    17.60nm        5.2mb
RMN    85.81 312 eP    59 02.10    1.0
ZOBO  132.50  64 PKP   05 38.20    1.1
LPB   132.71  64 PKP   05 45.00    7.8X
    S.D. = 1.0  on 132 of 162 obs.
---------------------------------------
  JUN 02, 1992  11h 48m 58.69± 0.20s
 47.694 N ± 4.6km  155.377 E ± 2.9km
 DEPTH =  44.6km  ( 27 depth phases)
 5.4mb ( 89 obs.)  4.8Msz ( 13 obs.)
EAST OF KURIL ISLANDS             (222)
   CENTROID, MOMENT TENSOR        (HRV)
   Data Used: GDSN
   L.P.B.: 20S, 32C
   Centroid Location:
   Origin Time         11:49: 1.6 0.5
   Lat 47.56N 0.07 Lon 155.78E 0.10
   Dep  27.2 4.9 Half-duration  1.7
   Moment Tensor;    Scale 10**17 Nm
     Mrr=-1.01 0.05  Mtt= 0.85 0.09
     Mff= 0.16 0.07  Mrt= 0.60 0.19
     Mrf= 1.01 0.21  Mtf= 0.82 0.06
    Principal Axes:
     T  Val=  1.81   Plg=21  Azm=321
     N       -0.21       18      224
     P       -1.60       61       97
   Best Double Couple:Mo=1.7*10**17
     NP1:Strike= 81 Dip=29 Slip= -49
     NP2:       216     69     -110

SKR     3.01   9 ePn   49 42.50   -2.6
     Z  14s    60.50um
     N  14s    30.70um
     E  14s    50.10um
KUR     5.74 247 iPnc  50 21.50   -2.1
     Z  14s    18.90um
     N  14s    24.30um
     E  14s    16.20um
KUSJ    8.80 242 eP    50 59.80   -6.3X
                 eS    52 32.00
ASAJ    9.57 253 eP    51 15.60   -1.2
OKH     9.84 311 iPnc  51 21.00    0.6
     Z  15s    11.20um
HOOJ   10.07 243 eP    51 19.00   -4.5X
                 eS    53 04.50
SAP    10.91 250 eP    51 35.00    0.0
MRRJ   11.40 248 eP    51 37.60   -4.1X
SMY    13.00  60 P     51 58.35   -4.6X
SEY    15.33 355 iP    52 31.00   -2.4
       1.5s    70.00nm        4.7mb
MAT    16.88 235 eP    52 49.00   -4.2X
                 eS    55 46.00
MDJ    18.10 270 eP    53 06.00   -2.3
       1.1s    48.00nm        4.5mb
     Z  16s     3.57um
     N  13s     1.68um
     E  15s     3.69um
YAK    20.39 324 iPc   53 31.00   -2.9X
       1.1s   245.00nm        5.5mb
     Z  16s     3.40um        4.8MszX
     N  12s     3.00um
     E  15s     2.90um
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                 i     53 56.00 138kmX
                 iPPP  54 04.00
                 eS    57 12.00
                 e     57 39.00
                 eSS   57 43.00
CN2    21.18 271 Pc    53 38.00   -4.2X
       1.0s    49.00nm        4.8mb
     Z  15s     3.52um        4.9MszX
     N  13s     2.57um
     E  13s     1.80um
SNY    23.22 267 iPd   54 01.60   -0.8
       1.0s    42.00nm        4.9mb
     Z  16s     7.87um        5.3MszX
     N  13s     1.15um
     E  15s     5.11um
                 pP    54 08.50  25kmX
                 sS    58 28.00
ILT    24.16  24 iPd   54 11.00   -0.2
       1.4s   287.00nm        5.6mb
     Z  16s     3.30um        4.9MszX
     N  16s     1.50um
     E  16s     2.70um
                 i     54 24.00   53km
                 iPPP  55 02.00
                 eSSS  59 20.00
DL2    25.92 263 Pc    54 29.00    0.9
       1.0s   170.00nm        5.6mb
     Z  14s     1.16um        4.6MszX
     N  13s     1.31um
     E  13s     1.16um
                 S     58 55.00
BOD    26.51 308 eP    54 33.70    0.3
       1.1s    47.00nm        5.0mb
CIT    27.00 295 eP    54 37.00   -1.1
     Z  17s     7.15um        5.3MszX
     E  16s     7.09um
ANM    27.01  37 eP    54 37.41   -0.6
                 epP   54 49.73   48km
BJI    29.03 269 eP    54 55.00   -1.4
       1.5s    58.00nm        5.0mb
     Z  16s     3.50um        5.1MszX
     N  14s     2.10um
                 ePP   55 48.00
                 eS    59 44.00
                 eSS   01 12.00
TIA    30.38 262 Pd    55 08.70    0.2
     Z  17s     1.75um        4.8MszX
     N  15s     1.23um
     E  15s     2.72um
                 S     00 09.00
SSE    30.88 250 P     55 12.50   -0.4
       1.2s    13.00nm        4.6mb
     Z  16s     1.80um        4.8MszX
     N  16s     1.00um
     E  14s     0.70um
                 S     00 14.00
NJ2    31.75 254 eP    55 25.60    5.1X
     N  15s     2.78um
     E  14s     2.80um
HHC    31.77 274 Pc    55 20.40   -0.4
       1.4s   190.00nm        5.7mb
     Z  16s     3.56um        5.1MszX
     N  14s     1.36um
     E  14s     2.13um
                 eS    00 24.00
REF    32.13  47 (P)   55 23.88    0.1
IMA    32.13  37 eP    55 22.06   -1.7
       1.0s    17.95nm        4.9mb
CRP    32.39  46 (P)   55 25.26   -0.8
BRW    32.43  26 eP    55 26.50    0.4
IRK    32.59 297 eP    55 26.00   -1.7
       1.4s    42.00nm        5.1mb
     Z  16s     7.63um        5.5MszX
     N  15s     3.50um
     E  15s     4.60um
                 e     55 39.30   52km
                 e     58 13.00
TIY    32.72 268 eP    55 29.50    0.4
     Z  16s     2.86um        5.1MszX
     N  15s     0.92um
     E  15s     1.88um
                 S     00 45.00
BTO    32.92 275 P     55 30.00   -0.8
     N  13s     2.12um
     E  13s     1.28um
                 eSS   02 38.00
ZAK    33.68 294 iPc   55 35.50   -1.7
```

02d 11h

1.2s 52.00nm 5.3mb
Z 15s 5.10um 5.4MszX
N 15s 3.36um
E 14s 4.80um
PMR 33.84 45 P 55 50.00 11.5X
Z 21s 1.05um 4.5Msz
FBA 34.46 39 iP 55 42.58 -1.2
1.0s 76.05nm 5.6mb
epP 55 55.30 48km
MOY 34.73 297 eP 55 45.00 -1.1
1.4s 60.00nm 5.3mb
GUMO 35.12 198 eP 56 09.60 19.8X
TOA 35.22 44 eP 55 50.40 0.0
KLU 35.39 45 eP 55 50.15 -1.6
WHN 35.66 256 eP 55 53.50 -0.8
Z 16s 1.79um 4.9MszX
N 18s 1.35um
E 14s 0.92um
eS 01 30.00
QZH 36.83 245 eP 56 05.00 0.8
Z 16s 0.95um 4.7MszX
eS 01 51.00
LZH 39.40 272 Pc 56 26.00 0.2
1.5s 170.00nm 5.6mb
Z 17s 2.70um 5.1MszX
E 15s 1.68um
pP 56 34.00 27kmX
sP 56 39.50
PP 58 01.00
PcP 58 33.00
GTA 40.34 279 P 56 34.00 0.4
1.5s 63.00nm 5.2mb
Z 16s 4.00um 5.4MszX
E 12s 1.45um
eS 02 38.00
GZH 41.45 249 eP 56 48.00 5.5X
Z 16s 1.43um 4.9MszX
N 14s 1.74um
SIT 41.58 50 P 56 50.00 6.7X
Z 20s 1.23um 4.8Msz
CD2 42.49 266 eP 56 51.40 0.3
1.4s 190.00nm 5.6mb
Z 16s 1.96um 5.1MszX
E 15s 2.11um
PP 58 36.00
S 03 12.00
sS 03 23.50
MBC 43.18 20 eP 56 57.00 0.9
1.0s 13.00nm 4.6mb
GYA 43.42 259 eP 57 08.80 10.0X
1.2s 43.00nm 5.1mb
Z 24s 4.30um 5.3MszX
S 03 26.00
PLP 44.47 225 ePc 57 07.00 -0.2
HON 45.64 109 P 57 20.00 3.5X
Z 19s 1.16um 4.8Msz
WMQ 46.02 291 P 57 19.20 -0.2
1.4s 32.00nm 5.1mb
Z 16s 4.15um 5.5MszX
N 14s 3.71um
PcP 58 55.00
PcS 02 47.00
KMI 46.93 261 Pc 57 26.50 -0.4
1.2s 130.00nm 5.8mb
Z 16s 1.20um 4.9MszX
N 15s 0.90um
E 15s 0.70um
eS 04 13.00
SEM 47.35 303 iPc+ 57 28.30 -1.4
1.1s 176.00nm 6.0mb
Z 16s 4.00um 5.5MszX
N 16s 3.00um
E 16s 2.00um
i 57 41.60 49km
e 04 19.00
YKA 49.24 38 eP 57 44.10 -0.1
0.9s 14.20nm 5.0mb
LSA 51.76 274 P 58 05.00 0.6
KBS 51.80 352 eP 58 03.00 -0.5
PNT 53.42 54 eP 58 15.00 -0.9
0.7s 24.00nm 5.3mb
LON 53.60 58 eP 58 15.81 -1.5
SHW 53.66 59 (P) 58 12.97 -4.9X
SVE 54.19 317 iPd 58 21.00 -0.5
1.2s 80.00nm 5.6mb
Z 15s 2.00um 5.3MszX
N 15s 1.00um
E 15s 1.50um
eS 05 45.00
e 08 08.00
VGB 54.89 59 eP 58 26.25 -0.6
DPW 55.00 55 (P) 58 26.14 -1.5
NEW 55.38 54 eP 58 29.10 -1.2
1.0s 16.00nm 5.0mb
KSH 55.74 293 eP 58 35.70 2.5
Z 20s 3.70um 5.5Msz
N 12s 1.43um
E 14s 1.54um
pP 58 49.00 48km
GUN 56.45 276 P 58 37.30 -1.4
LBFM 56.66 63 eP 58 38.81 -1.1
epP 58 51.62 45km
KKN 56.93 276 P 58 41.40 -0.5
PKI 56.98 276 P 58 41.30 -1.2
DMN 57.16 276 P 58 42.80 -0.8
LTCM 57.20 65 eP 58 43.22 -0.2
GKN 57.22 277 P 58 43.00 -0.9
SES 57.35 49 eP 58 43.00 -1.4
NNT 57.87 252 eP 58 48.90 0.6
ORV 57.98 65 eP 58 47.90 -1.0
epP 58 59.86 42km
ARN 59.33 67 eP 58 58.32 0.0
LRM 59.39 54 eP 58 58.10 -0.9
GAR 59.51 296 eP 58 57.00 -2.7
FCC 59.62 34 eP 59 01.00 1.8
KHO 59.71 294 eP 59 00.00 -1.2
1.2s 90.00nm 5.8mb
KVN 60.36 63 eP 59 05.60 0.0
e 59 18.01 43km
BONR 60.93 64 eP 59 09.10 -0.5
PTI 61.30 57 eP 59 11.82 -0.1
SNG 61.43 247 eP 59 14.00 1.2
GDH 61.44 11 iPc 59 11.50 -0.7
1.0s 40.00nm 5.5mb
e 59 39.00 112kmX
TNP 61.51 64 eP 59 12.50 -1.0
0.7s 11.28nm 5.1mb
NDI 61.72 282 eP 59 14.00 -0.7
HVU 61.76 58 eP 59 14.59 -0.5
pP 59 27.89 47km
ABL 62.36 68 eP 59 18.44 -0.7
pP 59 31.57 46km
DUG 62.77 59 eP 59 21.25 -0.4
1.0s 2.94nm 4.4mb
DAU 63.52 58 eP 59 26.65 -0.3
ARUT 63.97 62 eP 59 29.43 -0.3
EMUT 64.17 59 eP 59 31.13 0.0
pP 59 43.87 44km
MSU 64.24 60 eP 59 31.00 -0.5
epP 59 42.47 38km
ULM 64.79 42 ePd 59 37.00 2.4
SRU 64.81 59 eP 59 34.25 -0.9
RSSD 65.03 51 iP 59 35.70 -0.8
0.5s 23.38nm 5.5mb
epP 59 48.50 44km
OBN 65.39 326 iPc 59 37.00 -1.3
1.7s 190.00nm 5.9mb
Z 16s 1.80um 5.4MszX
N 16s 1.20um
E 16s 1.10um
e 59 49.00 41km
e 00 17.00
(S) 08 16.00
AKU 66.84 357 iP 59 50.60 3.2X
1.0s 44.00nm 5.5mb
i 00 03.40 44km
ASH 67.28 302 eP 59 51.00 0.3
GOL 67.34 56 eP 59 52.25 0.9
0.8s 10.85nm 5.0mb
Z 19s 0.49um 4.7Msz
QUE 67.36 290 eP 59 51.80 0.3
1.5s 98.61nm 5.6mb
UPP 67.41 338 iP 59 50.60 -0.5
1.0s 200.00nm 6.1mb
iS 08 46.00
KAT 67.60 304 iP+ 59 54.00 1.3
Z 14s 1.90um 5.5MszX
N 14s 2.00um
E 14s 2.00um
e 00 12.00 67kmX
e 00 20.00
eS 08 51.00
MAIO 67.75 300 eP 59 54.00 0.2
eS 12 08.56
CTA 67.96 189 P 59 55.70 0.7
HFS 68.10 340 eP 59 54.20 -1.2
1.1s 114.50nm 5.8mb
Z 15s 1.45um 5.3MszX
LR 25 46.00
HYB 68.51 272 eP 59 57.00 -1.6
MNK 69.56 330 eP 00 01.00 -3.4X
Z 16s 2.30um 5.5MszX
WB2 69.93 201 iPc 00 05.80 -1.3
0.8s 14.70nm 5.0mb
WRA 69.93 201 P 00 02.00 -5.1X
1.2s 1.10nm 3.7mb X
ALO 70.03 60 eP 00 07.78 -0.2
0.8s 7.76nm 4.7mb
Z 19s 0.35um 4.6Msz
GRO 70.23 313 iPc+ 00 10.00 1.3
1.5s 400.00nm 6.2mb
Z 16s 3.50um 5.7MszX
N 16s 2.00um
E 15s 3.00um
(S) 09 44.00
BAK 70.24 309 iPc 00 10.00 1.2
Z 15s 3.04um 5.7MszX
N 15s 4.78um
E 14s 3.28um
SHE 70.72 309 iPc 00 13.00 1.2
1.2s 80.00nm 5.6mb
Z 16s 4.00um 5.8MszX
N 20s 6.00um
E 16s 6.00um
POO 70.89 277 eP 00 21.50 8.3X
PYA 71.00 315 iPc 00 13.00 -0.4
1.3s 220.00nm 6.0mb
i 00 38.00 97kmX
eS 09 32.00
KIV 71.24 315 iP 00 15.20 0.2
i 00 40.80 100kmX
iS 09 33.80
MTA 71.89 312 iPd- 00 19.00 0.2
0.8s 510.00nm 6.5mb X
Z 16s 1.00um 5.2MszX
N 16s 1.00um
E 16s 1.20um
e 00 35.00 58kmX
eS 09 42.00
GRS 72.75 310 iPd 00 24.00 -0.1
1.5s 170.00nm 5.8mb
Z 14s 0.81um 5.2MszX
N 18s 1.20um
E 18s 1.09um
eS 09 50.00
SOC 72.91 317 iPc 00 25.00 0.3
1.6s 200.00nm 5.8mb
Z 18s 1.70um 5.4Msz
N 17s 1.40um
E 17s 0.70um
eS 09 53.00
ANN 72.99 319 eP 00 25.00 -0.2
1.2s 50.00nm 5.3mb
eS 09 50.00
ERE 73.18 312 iP+ 00 21.00 -5.5X
Z 16s 1.25um 5.3MszX
N 16s 1.80um
E 16s 1.20um
iS 09 50.00
ePS 10 30.00
ASPA 73.61 200 iPd 00 28.70 -0.3
0.6s 17.40nm 5.2mb
i 00 42.10 46km
RMQ 74.08 186 eP 00 32.00 0.4
i 00 45.00 45km
SIM 74.32 321 eP 00 32.00 -1.0
Z 16s 1.20um 5.3MszX
eS 10 08.00
QLP 74.61 190 eP 00 35.00 0.3
0.6s 39.00nm 5.5mb
MEO 74.63 55 iPd 00 34.60 -0.3
OCO 74.69 54 iPd 00 37.50 2.2
EEO 74.71 36 eP 00 36.50 1.3
KIS 74.77 325 eP 00 36.00 0.5
e 00 47.00 36km
e 00 52.00
eS 10 11.00
FNO 74.93 54 iPd 00 37.40 0.7
FKO 74.94 54 iPc 00 37.10 0.4
OJC 75.22 332 iP 00 40.00 2.0
1.0s 113.00nm 5.8mb

TUL 75.31 53 eP 00 38.70 -0.1
0.6s 16.50nm 5.2mb
Z 20s 0.45um 4.8Msz
LR 32 58.00
LNO 75.31 53 eP 00 38.60 -0.1
RLO 75.53 52 eP 00 39.50 -0.6
KSP 75.73 335 eP 00 40.50 -0.4
1.0s 47.00nm 5.4mb
ic 00 43.30 9kmX
e 04 03.20
e 05 02.70
EKA 75.77 348 P 00 42.00 0.9
0.8s 11.10nm 4.9mb
VVO 75.77 53 eP 00 41.30 -0.1
UZH 75.78 330 eP 00 40.00 -1.2
1.2s 75.00nm 5.5mb
e 00 49.10 29kmX
e 01 02.50
SPC 75.98 332 eP 00 41.60 -1.0
CCM 76.06 48 eP 00 42.57 -0.4
0.7s 13.67nm 5.0mb
Z 21s 0.41um 4.7Msz
pP 00 55.45 44km
SLM 76.11 47 P 00 50.00 6.7X
Z 20s 1.02um 5.1Msz
CLL 76.22 337 iPc 00 43.40 -0.3
1.2s 81.00nm 5.6mb
eSg 04 23.00
BRG 76.36 336 eP 00 45.00 0.5
1.1s 10.00nm 4.7mb
e 00 58.00 45km
e 01 08.40
e 10 08.00
WIT 76.38 341 eP 00 48.00 3.5X
e 01 10.00 83kmX
FVM 76.52 48 eP 00 45.47 -0.1
0.6s 43.20nm 5.6mb
KVT 76.56 317 eP 00 48.00 2.2
PRU 77.00 335 eP 00 48.70 0.7
1.0s 23.00nm 5.2mb
Z 17s 1.10um 5.2MszX
N 16s 1.00um
E 15s 0.60um
eS 10 36.00
WTS 77.11 341 eP 00 49.50 0.9
1.0s 43.00nm 5.4mb
e 01 02.00 42km
MLR 77.16 326 eP 00 48.00 -1.2
MOX 77.19 337 iPc 00 49.60 0.5
1.3s 37.00nm 5.3mb
Z 16s 0.90um 5.2MszX
N 17s 0.90um
E 18s 0.40um
eS 10 40.00
PSZ 77.20 331 eP 00 50.30 1.0
ISR 77.23 326 eP 00 51.00 1.5
TNR 77.64 327 ePc 00 50.00 -1.7
DMU 77.67 349 eP 00 55.40 3.7X
CMP 77.69 327 ePd 00 55.00 3.1X
ARMA 77.83 183 iPc 00 54.60 1.8
0.7s 16.00nm 5.2mb
e 04 14.00
ZST 77.84 333 eP 00 53.90 1.2
e 04 09.60
e 04 34.80
OLY 77.90 50 eP 00 51.80 -1.5
epP 01 04.57 43km
WARB 77.95 206 eP 00 54.00 0.5
KHC 78.04 335 P 00 54.00 0.2
1.2s 37.50nm 5.3mb
Z 18s 1.50um 5.4Msz
N 18s 1.00um
E 18s 1.00um
e 00 56.50 8kmX
i 01 19.00
S 10 48.00
GRF 78.17 337 ePd 00 55.20 0.7
ec 00 57.70 8kmX
e 01 08.40
DLF 78.22 349 eP 00 56.20 1.6
1.0s 255.00nm 6.2mb
WET 78.22 336 iPc 00 56.00 1.2
i 00 58.60 8kmX
DCN 78.26 349 eP 00 58.80 3.9X
GEC2 78.26 335 Pd 00 54.00 -1.1
0.8s 8.53nm 4.8mb
ENN 78.46 341 eP 00 56.50 0.5

1.1s 93.00nm 5.7mb
e 01 20.00 89kmX
BZS 78.62 329 eP 00 55.50 -1.5
UZD 78.79 331 e(P) 01 07.00 9.1X
BHG 79.52 335 iPc 01 05.00 3.1X
DMK 79.54 323 eP 01 02.00 -0.1
KBA 79.97 335 iPc 01 05.30 0.8
0.9s 70.20nm 5.6mb
i 01 08.60 11kmX
i 01 21.20
PWLA 80.05 48 eP 01 04.49 -0.4
pP 01 17.30 43km
STK 80.17 192 eP 01 05.30 -0.1
0.6s 1.90nm 4.2mb X
PTJ 80.24 333 eP 01 05.50 -0.4
WTTA 80.28 336 iPc 01 07.30 1.1
1.3s 117.00nm 5.7mb
i 01 18.40 36km
i 02 18.40
ZAG 80.31 332 eP 01 04.00 -2.1
WLS 80.33 339 P 01 06.50 0.2
CDF 80.35 339 P 01 06.96 0.6
LMN 80.41 27 eP 01 09.00 2.3
pP 01 24.00 53km
ECH 80.56 339 P 01 08.26 0.8
FVI 80.57 335 P 01 09.30 1.9
FEL 80.67 338 P 01 08.35 0.2
VBY 80.82 333 eP 01 12.00 3.2X
e 01 34.50 84kmX
VITF 80.84 340 P 01 09.32 0.4
CEY 80.86 333 e(P) 01 09.00 -0.1
MOF 80.90 339 P 01 09.45 0.1
HAU 80.95 340 eP 01 09.10 -0.4
BSF 81.01 339 eP 01 09.30 -0.6
1.1s 29.80nm 5.2mb
HRV 81.07 33 eP 01 29.39 19.2X
Z 19s 0.26um 4.6Msz
CTI 81.39 335 P 01 14.00 2.1
LOMF 81.45 339 P 01 12.61 0.4
TKL 81.62 45 eP 01 12.67 -0.5
epP 01 24.41 39km
NAV 81.65 42 eP 01 13.55 0.2
FLN 81.67 344 eP 01 13.20 0.0
1.2s 33.30nm 5.2mb
LDF 81.76 344 eP 01 14.10 0.4
VAY 82.00 326 iP 01 15.00 0.0
GRR 82.10 344 eP 01 15.90 0.5
1.3s 53.45nm 5.4mb
CVL 82.14 40 eP 01 17.31 1.5
LOR 82.21 341 eP 01 16.00 -0.1
1.1s 39.55nm 5.4mb
LBF 82.45 341 eP 01 17.40 0.0
1.1s 21.75nm 5.1mb
LPF 82.47 344 eP 01 17.90 0.5
1.1s 25.40nm 5.2mb
SSF 82.49 341 eP 01 18.00 0.5
1.1s 19.05nm 5.0mb
CSS 82.75 315 eP 01 21.00 1.9
AVF 82.78 341 eP 01 19.30 0.3
1.2s 47.90nm 5.4mb
SMF 82.81 341 eP 01 19.50 0.3
1.1s 61.80nm 5.6mb
OHR 82.84 327 eP 01 19.00 -0.5
ELL 82.86 319 eP 01 21.50 1.8
HRI 82.95 313 eP 01 19.60 -0.7
RSL 83.05 339 P 01 21.58 0.9
LPL 83.19 338 eP 01 22.10 0.7
1.0s 40.00nm 5.4mb
LPG 83.20 338 eP 01 22.50 0.9
1.1s 63.25nm 5.6mb
SFI 83.28 334 P 01 26.30 4.7X
PPCY 83.28 316 eP 01 23.00 1.2
ARV 83.34 333 P 01 25.30 3.3X
MAF 83.49 341 eP 01 23.40 0.7
1.1s 34.70nm 5.3mb
TCF 83.50 342 eP 01 23.10 0.3
0.8s 9.25nm 4.9mb
CRE 83.51 334 P 01 27.60 4.6X
PRM 83.57 45 eP 01 24.20 0.9
FIR 83.58 335 eP 01 26.00 2.9X
CEH 83.60 42 eP 01 14.17 -9.2X
0.6s 58.33nm 5.8mb
Z 19s 0.41um 4.8Msz
BNI 83.63 338 P 01 26.50 2.9X
MFF 83.68 343 eP 01 24.10 0.5
1.2s 32.15nm 5.3mb
LSF 83.68 342 eP 01 24.00 0.3

1.2s 35.40nm 5.3mb
ASS 83.81 333 P 01 29.10 4.7X
JSC 83.93 44 eP 01 25.27 0.2
LHS 83.98 44 eP 01 26.06 0.7
DSI 84.50 312 eP 01 35.80 7.8X
RJF 84.59 342 eP 01 29.10 0.9
1.3s 59.20nm 5.5mb
CAF 84.83 341 eP 01 30.90 1.4
1.3s 59.20nm 5.6mb
LFF 85.10 342 eP 01 32.10 1.3
1.3s 59.30nm 5.6mb
LPO 85.25 342 eP 01 32.30 0.8
1.1s 33.70nm 5.4mb
PGF 85.35 336 eP 01 33.20 1.0
1.2s 38.10nm 5.5mb
VLS 85.48 326 eP 01 33.00 0.2
ROI 85.71 329 P 01 35.20 1.2
VLI 85.84 324 eP 01 36.20 1.6
NPS 85.98 321 eP 01 36.50 1.1
BCAO 115.77 311 ePKPc 07 53.00 14.9X
0.8s 7.00nm
id 08 37.40
ZOBO 132.54 64 PKP 08 11.80 1.0
LR 53 16.00
LPB 132.74 64 PKP 08 16.30 5.3X
VAO 149.57 44 (PKP) 08 45.00 5.0X
S.D. = 1.0 on 202 of 242 obs.

• JUN 02, 1992 11h 52m 16.30± 0.68s
48.106 N ±19.7km 154.721 E ±14.6km
DEPTH = 33.0km (normal)
4.5mb (6 obs.)
KURIL ISLANDS (221)

KUSJ 8.62 238 eP 54 20.80 -0.8
ASAJ 9.29 249 eP 54 36.60 5.7X
HOOJ 9.88 239 eP 54 40.00 1.0
MRRJ 11.17 244 eP 54 58.20 1.7
MAT 16.77 232 eP 56 09.00 -1.1
0.8s 9.70nm 4.0mb
FBA 34.42 40 iP 59 03.10 0.9
1.0s 2.60nm 4.1mb
PNT 53.53 54 eP 01 35.00 -0.7
0.5s 3.00nm 4.5mb
GUN 55.97 275 P 01 58.40 4.3X
KKN 56.45 276 P 01 56.80 -0.6
PKI 56.50 275 P 01 59.00 1.1
DMN 56.68 275 P 01 57.40 -1.7
GKN 56.74 276 P 01 49.60 -9.8X
LRM 59.51 54 eP 02 18.90 0.2
HFS 67.56 340 eP 03 14.60 3.6X
0.5s 3.20nm 4.7mb
WB2 70.16 200 eP 03 26.70 -0.7
0.7s 5.50nm 4.7mb
ASPA 73.85 200 iPd 03 50.30 1.0
0.8s 10.40nm 4.9mb
S.D. = 1.2 on 12 of 16 obs.

JUN 02, 1992 12h 01m 52.70± 0.34s
47.255 N ± 4.7km 9.432 E ± 3.1km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 3.4 (GRF), 3.3 (FUR), 3.3
(VIE), 3.3 (LDG).

MOTA 1.14 85 iP 02 12.80 -1.4
iPg 02 14.50
i 02 29.30
iSg 02 31.70
FEL 1.14 303 ePn 02 15.44 1.2
SOTA 1.21 91 eP 02 13.40 -1.9
iPg 02 15.90
i 02 30.00
i 02 33.70
WATA 1.46 86 iPgc 02 19.00 -0.3
i 02 19.40
iSg 02 38.10
i 02 39.20
MDI 1.49 172 P 02 18.20 -1.3
WTTA 1.50 89 iPg 02 20.20 0.4
i 02 40.30
iSg 02 41.70
FUR 1.54 53 iPgc 02 21.50 1.2
iSg 02 42.70
CDF 1.86 309 Pn 02 25.40 0.5
Pg 02 29.40
Sg 02 54.60

02d 12h

```
BSF      1.88 289 Pn     02 25.70   0.4
                  Pg     02 29.40
                  Sn     02 49.20
CTI      1.95 128 P      02 27.70   1.5
                  eSn    02 51.20
HAU      2.22 291 Pn     02 30.50   0.4
                  Pg     02 36.80
                  Sn     02 57.90
                  Sg     03 04.70
BHG      2.38  77 iPc    02 35.70   3.3X
FVI      2.39 105 P      02 34.20   1.8
                  eSn    03 07.00
TOD      2.39 350 ePn    02 31.10  -1.4
LPL      2.55 228 Pn     02 36.10   1.1
                  Sg     03 13.40
LPG      2.56 228 Pn     02 35.90   0.8
                  Sg     03 12.40
KBA      2.68  92 i(Pn)  02 39.00   2.2
                  iPg    02 42.20
                  iSg    03 15.40
GRF      2.71  25 ePg    02 45.70   8.6X
                  eSg    03 20.50
ABH      2.91 335 ePn    02 40.26   0.3
RUP      2.91 328 ePn    02 40.79   0.8
VOY      3.31 110 e(Pn)  02 45.00  -0.6
                  eSn    03 27.50
KHC      3.35  54 Pn     02 44.50  -1.7
                  ePg    02 55.00
                  Sn     03 22.00
                  Sg     03 36.70
TRI      3.37 116 eP     02 55.80   9.4X
                  e      03 26.30
LBF      3.73 268 Pn     02 51.60  -0.1
                  Pg     03 04.20
                  Sn     03 30.70
                  Sg     03 50.20
CEY      3.77 112 eP     03 02.50  10.4X
                  e(Sn)  03 41.00
                  e      03 50.50
LOR      3.80 272 Pn     02 52.30  -0.2
                  Pg     03 04.30
                  Sg     03 52.10
SMF      3.88 263 Pn     02 53.00  -0.6
                  Pg     03 05.60
                  Sn     03 34.10
                  Sg     03 55.90
SSF      4.05 269 Pn     02 55.90  -0.1
                  Pg     03 10.10
                  Sg     04 00.80
FRF      4.18 209 Pn     02 58.00   0.1
                  Sn     03 41.00
AVF      4.18 266 Pn     02 57.10  -0.8
                  Pg     03 12.20
                  Sg     04 05.10
PRU      4.35  49 ePg    03 12.40  12.0X
                  e      03 47.80
                  e      03 58.00
                  eSg    04 09.50
LRG      4.37 211 Pn     03 00.80   0.2
LMR      4.43 209 Pn     03 01.10  -0.3
BGF      4.57 264 Pn     03 02.20  -1.2
                  Sn     03 52.20
                  Sg     04 16.90
MAF      4.83 260 Pg     03 23.40  16.2X
                  Sg     04 24.20
TCF      5.06 262 Pn     03 09.40  -0.9
    S.D. = 1.1  on  30 of  36 obs.
-------------------------------------
   JUN  02, 1992  12h 12m 15.62± 0.35s
   45.743 N ± 4.0km   26.763 E ± 4.7km
   DEPTH = 113.2 ±  4.9 km
   4.1mb (  9 obs.)
 ROMANIA                         (358)
      Felt (IV) in the Vrancea region.

VRI      0.13 348 iPc    12 30.00  -0.8
BRD      0.30 138 iPd    12 31.50   0.2
ISR      0.62 194 iPd    12 34.00   0.0
MLR      0.63 247 iPc    12 33.00  -1.1
BIR      0.80  49 iPc    12 35.00  -0.4
CMP      1.30 249 iPc    12 43.00   2.3
IAS      1.55  21 iPc    12 44.00   0.4
MDB      1.71 284 iPd    12 46.00   0.4
TNR      1.75 268 ePc    12 40.00  -6.1X
DRA      2.07 240 iPd    12 50.00  -0.1
DEV      2.70 274 iPd    12 43.50 -14.9X
BMR      2.96 312 iPc    13 03.00   1.1
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BZS      3.61 270 iPc    13 00.90  -9.7X
DMK      3.99 169 iPn    13 16.00   0.2
BEO      4.55 261 ePn    13 21.20  -2.2
CTT      4.75 165 iPn    13 25.40  -0.8
PSZ      5.19 297 e(P)   13 31.80  -0.5
GBZT     5.32 157 ePn    13 35.00   1.0
                  iSg    14 31.80
HRT      5.36 156 iPn    13 34.40  -0.1
VAY      5.37 216 iPn    13 35.60   1.0
SKO      5.39 227 ePn    13 34.50  -0.4
                  iPb    13 43.00
                  iSb    14 31.00
                  iSg    14 37.00
BNT      5.45 171 iPn    13 35.90   0.1
EDC      5.45 171 ePn    13 36.00   0.2
KCT      5.61 167 iPn    13 37.40  -0.7
UZD      5.75 281 e(P)   14 06.00  26.2X
IZI      5.76 159 iPn    13 40.00  -0.1
DVR      5.96 138 iP     13 41.60  -1.3
GYN      6.12 150 eP     13 46.40   1.2
                  eS     14 52.00
OHR      6.35 225 ePn    13 48.50   0.3
SGKT     6.45 141 eP     13 49.80   0.0
NAL      6.46 147 eP     13 50.20   0.4
OJC      6.47 316 iP     13 51.00   1.2
                  iS     14 59.60
KSP      8.64 310 eP     14 18.00  -1.3
OBN     11.26  30 eP     14 51.00  -3.2X
         0.6s     13.00nm        4.9mb X
                  e      15 02.00
                  eS     16 47.00
LPG     14.01 276 eP     15 38.40   8.0X
         0.8s      8.20nm        4.0mb
LPL     14.02 276 eP     15 38.40   7.9X
         1.0s     17.60nm        4.3mb
RSL     14.07 277 P      15 37.93   6.8X
HFS     16.38 336 eP     16 00.20   0.4
         0.3s      1.10nm        3.6mb
LFF     18.29 277 eP     16 26.30   3.1X
         0.7s      9.50nm        4.2mb
LDF     18.47 289 eP     16 25.60   0.5
         0.4s      4.20nm        4.1mb
MFF     18.63 282 eP     16 27.30   0.4
         0.8s      5.50nm        3.9mb
FLN     18.70 289 eP     16 27.30  -0.4
         0.6s      7.75nm        4.2mb
GRR     18.96 288 eP     16 29.80  -0.6
         0.4s      1.80nm        3.8mb
LPF     19.10 287 eP     16 31.50  -0.4
         0.6s      5.25nm        4.0mb
      S.D. = 0.9  on  35 of  44 obs.
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 • JUN  02, 1992  12h 36m 07.48± 0.50s
   47.513 N ±12.2km  155.479 E ± 8.9km
   DEPTH =  33.0km  (normal)
   4.8mb ( 15 obs.)
 EAST OF KURIL ISLANDS           (222)

MAT     16.84 236 (P)    40 00.00  -2.2
REF     32.20  47 (P)    42 31.51  -2.9
IMA     32.24  36 eP     42 32.99  -1.7
         1.2s      9.25nm        4.6mb
                  pP     42 49.03  66kmX
FBA     34.56  39 eP     42 54.32  -0.3
         1.2s     32.98nm        5.1mb
LZH     39.47 273 eP     43 36.00  -0.5
         1.2s     19.00nm        4.7mb
      Z  16s      0.29um       4.2MszX
                  pP     43 41.00  17kmX
MBC     43.32  20 eP     44 08.00   0.7
YKA     49.34  38 eP     44 54.70  -0.3
         1.0s      3.50nm        4.3mb
PNT     53.47  54 eP     45 26.00  -0.4
CHG     53.86 258 eP     45 30.50   0.9
GUN     56.53 276 P      45 48.40  -1.0
KKN     57.02 276 P      45 52.40  -0.2
PKI     57.07 276 P      45 53.00  -0.2
GKN     57.31 277 P      45 54.00  -0.6
         1.2s     63.00nm        5.5mb
LRM     59.44  54 eP     46 09.70   0.3
DAU     63.56  58 (P)    46 38.13   0.8
SRU     64.84  59 iPc    46 46.06   0.6
RSSD    65.09  51 iPd    46 47.20   0.1
         1.0s     13.02nm        5.0mb
NUR     65.19 336 eP     46 46.00  -1.1
QUE     67.49 290 eP     47 03.10   0.6
HFS     68.29 341 eP     47 05.70  -1.1
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         1.4s     48.80nm        5.4mb
WB2     69.78 201 eP     47 16.90   0.6
         0.7s      6.40nm        4.8mb
WRA     69.78 201 P      47 17.50   1.1
         0.7s      2.30nm        4.4mb
KSP     75.92 335 eP     47 51.70  -0.5
OLY     77.97  50 eP     48 03.95   0.2
GRF     78.36 337 eP     48 07.30   1.6
GEC2    78.46 335 P      48 06.00  -0.4
         0.8s      1.23nm        4.0mb
KBA     80.16 335 iPd    48 17.20   1.5
         1.1s     17.50nm        5.0mb
                  i      48 30.30
AVF     82.97 341 eP     48 29.70  -0.5
         1.0s      5.00nm        4.6mb
SMF     83.00 341 eP     48 31.20   0.8
         1.0s     11.00nm        4.9mb
LPL     83.38 338 eP     48 34.00   1.4
LPG     83.39 338 eP     48 34.20   1.4
         1.1s      8.80nm        4.8mb
MAF     83.68 341 eP     48 35.00   1.1
         1.0s      7.60nm        4.8mb
      S.D. = 1.1  on  32 of  32 obs.
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 % JUN  02, 1992  13h 26m 46.04± 0.70s
   37.286 S ± 7.0km  177.112 E ± 5.4km
   DEPTH =  33.0km  (normal)
 OFF E. COAST OF N. ISLAND, N.Z. (160)
      ML 4.0 (WEL).

HBZ      1.00 109 P      27 02.70  -1.0
TAZ      1.06 207 eP     27 04.60   0.0
UTU      1.15 219 eP     27 05.40  -0.5
PUZ      1.20 131 eP     27 06.80   0.2
KUZ      1.24 295 P      27 07.60   0.5
                  eS     27 23.90
PATZ     1.29 211 eP     27 07.90   0.0
WLZ      1.34 244 P      27 08.20  -0.4
                  eS     27 27.90
NOZ      1.52 151 Pc     27 12.20   1.1
PAHZ     1.57 182 eP     27 11.90  -0.1
MOZ      2.20 236 eP     27 20.30  -0.6
WAHZ     2.48 194 P      27 25.50   0.4
WCZ      2.60 300 P      27 26.80   0.1
      S.D. = 0.6  on  12 of  12 obs.
-------------------------------------
   JUN  02, 1992  13h 37m 49.54± 0.63s
   37.320 S ± 5.7km  177.088 E ± 5.2km
   DEPTH =  10.0km  (geophysicist)
   3.9mb (  2 obs.)
 OFF E. COAST OF N. ISLAND, N.Z. (160)
      ML 4.2 (WEL).

HBZ      1.01 106 eP     38 07.40  -1.2
TAZ      1.02 207 P      38 09.50   0.7
PUZ      1.19 129 eP     38 12.00   0.2
                  S      38 29.10
KUZ      1.23 297 Pc     38 12.50   0.0
PATZ     1.25 212 P      38 12.70   0.0
WLZ      1.31 245 Pd     38 13.00  -0.7
                  S      38 32.70
NOZ      1.50 150 P      38 17.00   0.6
PAHZ     1.54 181 P      38 16.80  -0.2
MAHZ     1.97 162 eP     38 23.90   0.6
MOZ      2.16 236 P      38 24.80  -1.3
NGZ      2.19 212 eP     38 26.70   0.0
TTH      2.23 185 P      38 28.00   1.0
CNZ      2.23 212 eP     38 27.50   0.3
WAHZ     2.44 193 P      38 30.20   0.1
WCZ      2.60 301 Pd     38 32.40   0.1
PGZ      3.35 191 P      38 41.30  -1.7
OUZ      3.51 306 eP     38 44.80  -0.5
ASPA    39.29 278 iPd    45 25.70   5.3X
         0.8s      3.40nm        4.1mb
WRA     40.93 283 P      45 35.80   1.9
         0.7s      1.40nm        3.8mb
      S.D. = 0.9  on  18 of  19 obs.
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 • JUN  02, 1992  15h 11m 12.51± 1.09s
   30.773 N ± 8.7km  142.102 E ±28.1km
   DEPTH =  33.0km  (normal)
   4.3mb (  3 obs.)
 SOUTH OF HONSHU, JAPAN          (211)

KAKJ     5.65 344 P      12 37.30   0.9
                  eS     13 39.80
CHJJ     5.87 335 eP     12 39.20  -0.3
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                 eS    13 44.40
MAT    6.60 332 iPd    12 51.00   1.2
                 eS    14 05.00
NIIJ   6.94 339 eP     12 54.70   0.2
YAMJ   7.58 348 P      13 02.80  -0.6
                 eS    14 26.00
OFUJ   8.29 358 eP     13 12.00  -1.4
                 eS    14 41.00
BJI   23.00 301 eP     16 14.00  -1.3
   Z  16s     0.29um           3.8MszX
WB2   50.97 189 iPc    20 12.70  -0.4
      0.7s    3.20nm           4.4mb
WRA   50.97 189 P      20 13.40   0.3
      0.6s    2.50nm           4.4mb
NB2   80.18 338 P      23 22.20   1.5
      0.9s    1.60nm           4.0mb
    S.D. = 1.1  on  10 of  10 obs.
--------------------------------------
% JUN 02, 1992  15h 26m 26.39± 0.87s
  38.777 S ± 4.3km  175.808 E ± 5.0km
  DEPTH = 135.2 ± 10.1 km
 NORTH ISLAND, NEW ZEALAND        (159)

NGZ    0.43 202 P      26 45.90  -0.2
CNZ    0.47 206 P      26 46.10  -0.1
PATZ   0.53  42 P      26 46.00  -0.6
WHH    0.55 102 P      26 45.60  -1.1
UTU    0.67  27 eP     26 47.00  -0.4
TAZ    0.77  46 P      26 47.50  -0.5
TAHZ   0.81 117 P      26 49.10   0.5
MOZ    0.83 289 P      26 48.90   0.3
                S      27 03.70
WLZ    0.95 349 P      26 49.70   0.1
                S      27 05.00
PAHZ   0.98  95 P      26 49.70  -0.2
WAHZ   1.01 155 P      26 50.80   0.6
TTH    1.10 134 eP     26 51.60   0.6
BSZ    1.23 213 P      26 53.60   1.4
MAHZ   1.67 105 eP     26 57.60   0.5
NOZ    1.75  86 P      26 58.20   0.2
PGZ    1.87 169 P      27 00.00   0.5
KUZ    2.03 358 eP     27 01.80   0.4
KIW    2.20 198 P      27 03.60   0.1
MTW    2.39 186 Pc     27 05.70  -0.2
CAW    2.40 193 P      27 05.90  -0.1
DIW    2.49 215 P      27 07.40   0.2
AMW    2.53 181 P      27 07.50  -0.1
MRW    2.60 199 P      27 08.10  -0.4
                S      27 37.90
BLW    2.60 186 P      27 08.20  -0.4
WEL    2.63 197 eP     27 08.60  -0.4
MOW    2.68 189 P      27 09.00  -0.6
TCW    2.70 205 P      27 09.60  -0.3
    S.D. = 0.5  on  27 of  27 obs.
--------------------------------------
? JUN 02, 1992  15h 30m 54.27± 0.66s
   8.445 S ±10.6km  118.874 E ±12.6km
  DEPTH =  33.0km  (normal)
  4.6mb (  4 obs.)
 SUMBAWA REGION, INDONESIA        (285)

MBL   12.68 176 eP     33 54.50  -0.6
      0.3s    7.00nm           5.2mb
                 eS    36 01.00
MTN   12.81 111 eP     33 58.50   1.6
                 eS    36 10.00
NANU  14.40 193 eP     34 19.00   1.2
                 eS    36 40.00
WB2   18.84 129 iPc    35 13.40  -0.7
      0.6s    8.40nm           4.1mb
                 eS    38 28.20
ASPA  20.89 138 iPc    35 34.90  -1.4
      1.1s   10.00nm           4.1mb
                 eS    39 18.30
GUN   48.21 320 P      39 34.20  -0.2
      0.7s   15.00nm           5.1mb
PKI   48.28 319 P      39 35.00   0.1
KKN   48.52 319 P      39 37.20   0.7
GKN   49.08 319 P      39 40.00  -0.8
    S.D. = 1.2  on   9 of   9 obs.
--------------------------------------
* JUN 02, 1992  15h 38m 58.47± 0.61s
  22.745 S ± 6.3km  179.435 E ±15.0km
  DEPTH = 603.5 ± 10.7 km
  5.2mb ( 19 obs.)
 SOUTH OF FIJI ISLANDS            (171)

SVA    4.70 349 iPc    40 28.80  -0.8
VUN    4.80 349 iPc    40 28.60  -1.9
SGE    5.32 344 iPd    40 36.10   1.4
MBU    5.78 353 eP     40 39.10   0.6
DZM   12.04 271 iPd    41 36.80  -0.8
OUZ   13.44 201 eP     41 53.30   2.2
WCZ   13.87 197 P      41 57.90   2.5
KUZ   14.32 192 eP     42 01.00   1.3
                e      42 07.50
PUZ   15.31 184 eP     42 09.70   0.4
                e      42 16.70
WLZ   15.41 192 eP     42 12.00   1.8
URZ   15.59 187 P      42 10.60  -1.4
      0.3s   36.00nm           5.2mb
NOZ   15.87 184 P      42 14.90   0.3
      0.3s   31.00nm           5.2mb
MOZ   16.20 193 eP     42 19.70   1.8
NGZ   16.70 190 eP     42 22.70  -0.2
PGZ   18.02 188 eP     42 33.30  -1.8
      0.3s   14.00nm           5.0mb
CAW   18.68 190 P      42 41.10  -0.1
AMW   18.77 189 eP     42 41.40  -0.6
MRW   18.86 191 eP     42 42.60  -0.3
BLW   18.87 189 eP     42 42.50  -0.5
TCW   18.92 192 eP     42 43.80   0.4
ORZ   18.95 196 eP     42 44.30   0.6
      0.5s   67.00nm           5.4mb
THZ   19.74 195 eP     42 50.60  -0.5
DSZ   20.00 197 eP     42 53.10  -0.3
KHZ   20.23 193 eP     42 54.10  -1.3
LTZ   20.85 195 P      42 59.80  -1.4
MQZ   21.65 193 eP     43 07.10  -1.2
EWZ   21.90 197 eP     43 09.10  -1.4
LMZ   22.54 199 eP     43 15.60  -0.7
      0.5s   91.00nm           5.7mb
ARMA  25.97 247 iPd    43 47.80   0.8
      0.6s   48.00nm           5.3mb
RMO   28.11 256 iPd    44 06.50   1.1
      0.8s   58.00nm           5.3mb
                i      44 20.20
CNB   29.00 238 eP     44 14.00   0.8
      1.0s   90.00nm           5.4mb
CAN   29.29 238 iPc    44 16.10   0.5
BWA   29.50 240 iPc    44 15.60  -1.8
CMS   31.06 246 iPd    44 31.40   0.9
      0.8s   22.00nm           4.8mb
OLP   32.16 256 eP     44 40.00   0.3
      0.4s   86.00nm           5.7mb
TOO   32.66 235 iPc    44 49.00   5.1X
      0.5s   55.00nm           5.4mb
STK   34.69 246 eP     45 01.50   0.6
      0.5s   17.70nm           4.9mb
OIS   37.01 266 iPd    45 20.00   0.0
WB2   41.96 265 iPd    45 59.00  -0.8
      0.2s   49.40nm           5.7mb
                 eS    51 33.50
WRA   41.98 265 P      45 59.20  -0.7
      0.7s   10.40nm           4.5mb
WARB  47.91 255 iPc    46 44.80  -0.7
      0.4s   13.00nm           4.8mb
GUA   49.44 313 eP     46 57.50   0.8
      0.5s   56.34nm           5.3mb
GUMO  49.50 313 eP     46 57.10  -0.1
      0.8s   87.80nm           5.3mb
PJG   49.50 313 eP     46 57.00  -0.2
COOL  52.16 248 eP     47 15.60  -0.9
MBL   54.97 259 eP     47 35.30  -1.1
BAL   55.98 248 eP     47 42.80  -0.5
MUN   56.22 246 eP     47 45.00   0.1
NANU  58.53 257 eP     48 00.40  -0.3
      0.3s    8.00nm           4.4mb
CSY   60.93 206 eP     48 16.90   1.2
      0.5s   12.40nm           4.5mb
MAT   70.65 326 eP     49 18.00   2.0
NB2  140.86 351 PKP    57 18.40  -3.4X
      0.5s    0.70nm
HFS  141.32 349 ePKP   57 19.70  -2.8X
      0.4s    2.80nm
KSP  149.03 339 iPKP   57 43.60   8.1X
CLL  149.60 343 iPKPc  57 44.90   8.6X
      0.8s    9.00nm
BRG  149.73 342 iPKP   57 45.60   9.1X
      0.6s   10.00nm
PRU  150.33 340 PKP    57 46.70   9.3X
KHC  151.39 340 ePKP   57 49.00   9.9X
GEC2 151.60 340 PKP    57 49.00   9.5X
      0.5s    0.96nm
    S.D. = 1.1  on  50 of  59 obs.
--------------------------------------
  JUN 02, 1992  15h 58m 08.16± 0.52s
  50.400 N ± 4.5km    5.998 E ± 4.6km
  DEPTH =  10.0km  (geophysicist)
 BELGIUM                          (541)
    ML 2.8 (LDG).

ENN    0.37 353 iPgc   58 15.50  -0.3
      0.5s   23.00nm
                iSg    58 20.80
                eRg    58 26.00
RUP    0.98 135 ePn    58 26.69  -0.1
ABH    1.12 117 ePn    58 29.26   0.0
CDF    2.16 157 Pn     58 45.10   0.4
                Pg     58 51.50
                Sg     59 16.60
HAU    2.41 174 Pn     58 49.00   0.7
                Pg     58 55.70
                Sg     59 24.90
BSF    2.62 168 Pn     58 51.50   0.1
                Sn     59 19.30
LBF    3.67 202 Pn     59 06.40   0.2
SSF    3.73 207 Pn     59 06.60  -0.4
                Sg     00 08.90
AVF    4.02 207 Pn     59 10.90  -0.1
SMF    4.02 202 Pn     59 10.60  -0.5
                Sg     00 18.10
BGF    4.38 210 Pn     59 15.60  -0.6
                Sn     00 04.70
                Sg     00 28.50
LDF    4.38 248 Pn     59 16.80   0.6
FLN    4.52 251 Pn     59 19.00   0.8
MAF    4.77 210 Pn     59 21.30  -0.4
TCF    4.83 213 Pn     59 22.10  -0.5
    S.D. = 0.5  on  15 of  15 obs.
--------------------------------------
? JUN 02, 1992  16h 22m 55.62± 4.79s
  26.345 S ±11.3km   28.784 E ±42.3km
  DEPTH =   5.0km  (geophysicist)
 REPUBLIC OF SOUTH AFRICA         (584)

SLR    0.76 323 iPd    23 11.60   0.7
                S      23 18.00
PRY    1.31 243 eP     23 21.20   0.8
                S      23 33.60
KSR    1.76 285 eP     23 25.50  -1.7
                S      23 41.00
SEK    2.22 207 iPd    23 40.00   6.1X
                S      24 05.50
VIR    2.43 224 eP     23 33.50  -3.3X
                S      24 03.50
SWZ    3.20 254 eP     23 48.10   0.4
BLF    3.59 219 eP     23 53.00  -0.2
                S      24 34.50
    S.D. = 1.4  on   5 of   7 obs.
--------------------------------------
? JUN 02, 1992  16h 59m 11.70± 1.53s
  43.284 N ±17.1km    4.954 W ±11.0km
  DEPTH =  10.0km  (geophysicist)
 SPAIN                            (377)
    mbLg 2.8 (MDD).

EMON   1.74 276 eP     59 42.00  -0.2
                eS     00 05.00
ECRI   1.92 110 eP     59 45.00   0.2
                eS     00 10.00
GUD    2.71 167 eP     59 55.30  -0.9
                eS     00 27.00
EPLA   3.33 195 eP     00 05.60   0.7
                eS     00 45.00
    S.D. = 1.2  on   4 of   4 obs.
--------------------------------------
? JUN 02, 1992  17h 10m 17.70± 1.06s
  26.322 S ±13.6km  177.224 W ±20.2km
  DEPTH =  33.0km  (normal)
  4.7mb (  5 obs.) 4.3Msz (  1 obs.)
 SOUTH OF FIJI ISLANDS            (171)

RAO    2.98 192 P      11 03.60  -0.2
                S      11 40.00
HNR   27.38 304 e(P)   16 02.00  -0.1
RMO   30.42 262 eP     16 30.00   0.6
      1.0s   41.00nm           5.2mb
                i      16 32.00
ASPA  44.17 262 iPc    18 24.80  -0.6
      1.3s   15.40nm           4.7mb
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02d  17h

WB2     44.78 268 eP      18 29.30  -1.0
        0.7s     4.60nm            4.5mb
WRA     44.79 268 P       18 29.80  -0.6
        0.6s     1.80nm            4.1mb
SPA     63.83 180 iPd     20 49.70   0.7
        1.1s    12.50nm            4.9mb
BJI     90.51 315 eP      23 18.00   0.5
CHG     92.87 289 eP      23 31.50   2.7
NB2    144.82 353 PKP     29 51.20  -1.1
        0.8s     5.80nm
HFS    145.37 350 ePKP    29 52.20  -1.0
        0.4s     1.50nm
     Z  18s      0.05um            4.3Msz
                  LR      22 28.00
BCAO   153.52 217 ePKPc   30 26.50  19.3X
        0.5s     3.00nm
BRG    154.04 344 e(PKP)30 31.70  25.0X
KHC    155.73 343 ePKP    30 31.00  21.9X
                  e       30 37.00
                  e       31 05.00
     S.D. = 1.3  on  11 of  14 obs.
-----------------------------------------
   JUN  02, 1992  17h 16m 28.26± 0.67s
   41.270 N ± 6.6km   20.326 E ± 5.5km
   DEPTH =  11.8 ±  4.7 km
 ALBANIA                           (391)
        ML 2.7 (TTG), 2.5 (SKO).

TIR      0.35 283 iPg     16 34.00  -1.6
                  iSg     16 40.00
OHR      0.39 114 iPgc    16 34.90  -1.5
                  iSg     16 41.50
KKS      0.81   5 ePg     16 55.30  11.6X
SDA      0.97 321 ePg     16 47.60   1.1
TPE      1.00 194 ePg     16 48.00   0.9
ULC      1.06 311 iPgd    16 46.87  -1.3
                  iSg     17 04.76
SKO      1.09  50 iPg     16 49.50   0.9
                  iSg     17 04.20
PVY      1.35 349 iPgc    16 52.39  -0.6
                  iSg     17 14.26
TTG      1.41 326 iPgd    16 53.00  -0.6
                  iSg     17 16.07
BDV      1.51 313 iPnd    16 55.25   0.1
                  iSn     17 19.64
IVA      1.63 349 iPnc    16 57.49   0.5
                  iSn     17 23.39
VAY      1.69  88 ePn     16 58.30   0.5
HCY      1.80 311 iPnd    17 00.14   0.8
                  iSn     17 27.20
NKY      1.83 328 iPnc    17 00.77   0.9
                  iSn     17 28.30
BRY      2.10 321 ePn     17 04.51   0.7
                  iSn     17 34.70
PLE      2.17 342 iPnd    17 05.65   0.8
                  iSn     17 36.37
     S.D. = 1.1  on  15 of  16 obs.
-----------------------------------------
*  JUN  02, 1992  18h 48m 44.14± 0.76s
   51.432 S ±11.2km  160.537 E ±13.3km
   DEPTH =  10.0km  (geophysicist)
   3.2mb (  1 obs.)
 NORTH OF MACQUARIE ISLAND         (165)

MCQ      3.22 197 iPc     49 35.70   0.1
BCZ      7.26  44 P       50 32.80   0.0
                  eS      51 51.20
TUZ      8.13  51 eP      50 45.70   0.7
MSZ      8.38  39 eP      50 49.60   1.3
TLC      8.44  46 eP      50 49.10  -0.3
CMCZ     8.57  46 eP      50 50.70  -0.4
MMCZ     8.62  45 eP      50 51.90   0.1
BWZ      9.32  46 P       51 00.30  -1.0
LMZ      9.71  41 eP      51 07.30   0.6
DSZ     12.39  43 eP      51 42.50  -0.8
WRA     37.55 317 P       56 00.00  -0.1
        0.8s     0.40nm            3.2mb
     S.D. = 0.8  on  11 of  11 obs.
-----------------------------------------
%  JUN  02, 1992  19h 24m 07.14± 2.24s
   17.700 N ±10.7km   96.204 W ±22.7km
   DEPTH =  33.0km  (normal)
 OAXACA, MEXICO                    ( 60)

OXX      0.79 219 iP      24 22.00   0.0
                  iS      24 58.00
IISM     1.70 319 iP      24 34.00  -0.9
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                  (S)     25 15.00
LVVM     2.04 353 iP      24 40.00   0.2
IIT      2.39 304 eP      24 46.00   0.9
III      3.18 283 (P)     24 56.00  -0.2
     S.D. = 0.9  on   5 of   5 obs.
-----------------------------------------
   JUN  02, 1992  20h 00m 52.45± 0.39s
   3.303 S ± 5.6km  130.718 E ±10.4km
   DEPTH =  32.5km  (  4 depth phases)
   5.0mb ( 24 obs.)  4.4Msz (  1 obs.)
 SERAM, INDONESIA                  (272)
       CENTROID, MOMENT TENSOR     (HRV)
       Data Used: GDSN
       L.P.B.: 11S, 16C
       Centroid Location:
       Origin Time         20:00:56.2 1.6
       Lat  3.25S  FIX;Lon 130.58E  FIX
       Dep  33.0 FIX Half-duration  1.9
       Moment Tensor;    Scale 10**16 Nm
         Mrr= 3.68 0.74  Mtt=-1.17 0.49
         Mff=-2.51 1.07  Mrt=-5.30 1.83
         Mrf= 4.24 1.02  Mtf= 0.73 0.95
        Principal Axes:
         T  Val=  8.10   Plg=57  Azm=214
         N       -1.21        6      313
         P       -6.89       32       47
       Best Double Couple:Mo=7.5*10**16
        NP1:Strike=159 Dip=14 Slip= 117
        NP2:         312     78       84

MTN      9.49 178 iPd     03 08.00  -2.0
                  eS      04 50.00
CGP     13.13 333 eP      03 59.50   0.1
WB2     16.92 168 eP      04 43.20  -5.2X
        0.3s    12.30nm            4.5mb
                  i       04 48.20
                  eS      07 42.90
KKM     17.20 303 eP      04 55.00   2.9
        0.6s    77.40nm            5.0mb
QIS     19.21 154 iPc     05 16.50  -0.2
        0.8s    42.00nm            4.7mb
                  iS      08 36.50
ASPA    20.48 172 iPc     05 29.50  -0.9
        0.5s   301.80nm            5.9mb
                  eS      09 13.90
MBL     20.67 210 eP      05 29.40  -2.9
        0.4s    26.00nm            5.0mb
GUA     21.87  40 eP      05 42.30  -2.2
WARB    23.08 189 eP      05 56.70   0.3
        0.3s    11.00nm            4.8mb
NANU    24.15 216 eP      06 06.30  -0.5
        0.4s    15.00nm            4.9mb
MRWA    29.32 207 eP      06 54.00  -0.5
STK     30.21 161 eP      07 02.60   0.3
        0.5s     5.20nm            4.6mb
KLB     30.67 202 eP      07 05.30  -1.1
IPM     30.68 285 ePd     07 08.00   1.3
        0.6s    20.80nm            5.1mb
                  e       08 17.00 368kmX
ARMA    33.44 146 eP      07 32.50   1.7
NNT     34.59 298 eP      07 36.20  -4.6X
BWA     35.07 154 iPc     07 46.40   1.7
BFD     35.42 164 eP      07 48.00   0.5
CAN     36.08 154 iPc     07 54.80   1.5
TOO     36.70 160 iPc     08 00.60   2.2
WHN     37.11 336 P       08 03.00   1.2
        1.0s    18.00nm            4.9mb
GYA     37.64 323 P       08 08.20   1.7
CHG     38.22 306 ePc     08 12.30   0.9
        1.0s    11.25nm            4.7mb
                  e       10 15.00
                  e       11 30.00
KMI     39.19 318 Pc      08 21.50   1.8
        1.5s    50.00nm            5.1mb
MAT     40.25   9 (P)     08 26.00  -2.0
YAMJ    42.16  11 eP      08 43.30  -0.3
CD2     42.64 325 eP      08 47.00  -0.8
OFUJ    43.37  12 eP      08 57.40   3.9X
TIY     44.20 339 eP      09 00.50   0.2
BJI     45.15 344 eP      09 07.00  -0.8
        1.0s    13.00nm            4.8mb
SNY     45.38 353 Pc      09 09.80   0.2
        0.8s    15.00nm            5.0mb
                  pP      09 20.60  37km
LZH     46.54 330 eP      09 19.00  -0.1
        2.0s    53.00nm            5.2mb
                  pP      09 27.00  27km
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                  sP      09 30.50
CN2     47.13 355 eP      09 23.80   0.4
        0.8s     5.10nm            4.6mb
     Z  18s      0.41um            4.4Msz
                  epP     09 34.00  34km
HHC     47.30 340 eP      09 34.40   9.4X
        1.0s    12.00nm            4.9mb
GTA     51.14 329 P       09 54.80   0.2
        1.0s    14.00nm            4.9mb
GUN     53.14 309 P       10 08.60  -1.5
PKI     53.35 308 P       10 10.60  -1.0
        0.6s    18.00nm            5.2mb
KKN     53.55 308 P       10 11.80  -1.1
DMN     53.60 308 P       10 12.60  -0.8
        0.8s    68.00nm            5.7mb
GKN     54.15 308 P       10 16.00  -1.3
POO     60.02 293 iPc     10 56.70  -2.2
WMQ     60.74 326 P       11 03.50   0.1
        1.0s    21.00nm            5.2mb
                  pP      11 13.20  32km
                  sP      11 20.00
CSY     64.45 189 eP      11 28.50   0.9
        0.3s     6.30nm            5.2mb
                  i       12 26.40 253kmX
MAIO    76.95 308 iPc     12 45.00   1.1
                  eS      21 54.00
MAW     78.63 201 eP      12 53.00   0.6
        1.0s    42.00nm            5.4mb
SHI     81.39 300 eP      13 09.00   0.9
NB2    106.82 334 Pdiff   15 05.60  -0.3
        0.7s     0.80nm            4.9mb
ARE    150.55 132 ePKP    20 48.00   9.7X
LPB    152.90 137 PKP     20 51.00   9.1X
ZOBO   153.05 137 PKP     20 52.50  10.2X
     S.D. = 1.3  on  43 of  50 obs.
-----------------------------------------
   JUN  02, 1992  20h 03m 21.03± 0.16s
   16.075 S ± 3.8km   92.787 E ± 3.4km
   DEPTH =  23.7km  ( 14 depth phases)
   5.7mb ( 58 obs.)  5.4Msz ( 30 obs.)
 SOUTH INDIAN OCEAN                (425)
       CENTROID, MOMENT TENSOR     (HRV)
       Data Used: GDSN
       L.P.B.: 36S, 84C
       Centroid Location:
       Origin Time         20:03:24.6 0.2
       Lat 16.01S 0.01 Lon  92.75E 0.02
       Dep  15.0 FIX Half-duration  3.1
       Moment Tensor;    Scale 10**17 Nm
         Mrr= 1.90 0.10  Mtt= 2.60 0.10
         Mff=-4.49 0.16  Mrt= 0.00 0.00
         Mrf= 0.00 0.00  Mtf=-5.83 0.10
        Principal Axes:
         T  Val=  5.87   Plg= 0  Azm=209
         N        1.90       90      180
         P       -7.77        0      119
       Best Double Couple:Mo=6.8*10**17
        NP1:Strike=254 Dip=90 Slip=-180
        NP2:         344     90        0

KGM     20.77  31 ePc     08 04.20   1.2
        1.0s   412.70nm            5.8mb
                  e       08 39.10
KLM     20.97  25 eP      08 05.50   0.4
NANU    22.40 110 eP      08 20.00   0.7
        0.3s    33.00nm            5.3mb
                  e       08 35.00  65kmX
                  eS      12 13.00
SNG     24.37  19 eP      08 40.40   1.8
        1.2s   287.50nm            5.7mb
                  eS      12 58.50
MRWA    25.04 126 eP      08 45.30   0.3
                  eS      13 19.00
MBL     26.11 105 eP      08 54.00  -1.0
        0.5s   121.00nm            5.8mb
                  e       09 21.00 128kmX
                  eS      13 48.00
MUN     26.52 131 eP      08 58.40  -0.4
        0.8s   125.00nm            5.6mb
                  e       09 26.60 134kmX
                  eS      14 00.00
KLB     27.48 129 eP      09 07.00  -0.6
RKG     28.49 135 eP      09 16.00  -0.6
                  e       09 56.00 197kmX
                  eS      14 46.00
NNT     29.30  14 eP      09 24.00   0.0
COOL    29.78 125 iPd     09 27.50  -0.9
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     0.8s   57.00nm            5.4mb
KKM  31.95  48 ePc  09 46.50  -1.1
     0.6s   77.40nm            5.8mb
TSM  32.02  53 ePc  09 49.00   0.8
NST  32.37  13 eP   09 54.00   2.9X
HYB  36.12 337 eP   10 23.50   0.1
     1.0s   80.00nm            5.6mb
               e    10 30.00  22km
               eS   16 04.00
MTN  37.23  90 iPc  10 33.00   0.2
PAF  37.93 204 eP   10 42.00   3.7X
               eS   16 28.00
QIZ  38.71  26 P    10 45.50   0.4
     1.2s  120.00nm            5.5mb
   N 17s    3.34um
   E 15s    1.90um
               PP   12 17.00
               S    16 44.00
POO  39.12 331 iPd  11 03.80  15.2X
               iS   16 57.00
CGP  39.90  55 ePd  10 54.00  -1.1
TGY  40.90  44 ePd  11 05.00   1.7
PLP  41.80  52 ePd  11 08.80  -1.9
KMI  42.08  14 Pc   11 14.50   1.4
     1.2s  260.00nm            5.8mb
   Z 30s    4.20um             5.1MszX
   N 14s    1.50um
   E 14s    2.70um
               pP   11 21.00  22km
               S    17 36.00
HKC  43.51  29 eP   11 27.00   2.4
GZH  43.81  28 Pc   11 27.00   0.1
   Z 19s    3.07um             5.2Msz
   N 12s    1.44um
   E 12s    1.20um
               S    18 00.00
PIP  43.81  40 ePd  11 18.00  -9.0X
GYA  44.38  18 iPc  11 32.00   0.3
     1.2s  110.00nm            5.6mb
   Z 22s    5.12um             5.4Msz
   N 11s    1.66um
   E 11s    1.14um
QIS  44.56 103 iPc  11 33.50   0.3
     1.0s   60.00nm            5.4mb
ADE  45.07 124 eP   11 36.60  -0.6
     0.8s  223.88nm            6.1mb
LSA  45.53 358 P    11 42.00   0.7
   N 11s    1.10um
   E 13s    0.93um
               S    18 23.00
STK  46.90 119 iPd  11 50.70  -0.9
     0.9s   49.80nm            5.5mb
NDI  46.97 341 iPc  11 52.00  -0.1
     0.7s   47.95nm            5.6mb
CD2  47.89  13 eP   11 59.00  -0.4
     1.4s  280.00nm            6.1mb
   Z 12s    1.85um             5.3MszX
   E 14s    3.49um
               PcP  13 26.00
               PP   13 53.00
               S    18 56.00
               SS   22 20.00
QZH  47.91  32 eP   12 00.00   0.5
   Z 14s    1.78um             5.2MszX
   N 13s    1.28um
   E 12s    1.29um
               PP   13 51.00
               eS   18 59.00
BFD  48.57 126 iPc  12 04.00  -0.6
     1.0s  103.00nm            5.8mb
               i    12 18.00  53kmX
OLP  48.77 111 iPc  12 06.90   0.6
CMS  50.44 118 iPc  12 18.60  -0.5
     0.8s   62.00nm            5.6mb
               i    12 33.50  57kmX
WHN  50.78  24 Pc   12 21.50   0.0
     1.5s   75.00nm            5.4mb
   Z 24s    3.38um             5.3MszX
   N 16s    2.33um
   E 16s    2.16um
               S    19 36.00
CTA  50.81 103 P    12 23.89   1.9
TOO  50.95 126 iPc  12 23.10   0.2
     1.0s  137.00nm            5.8mb
               i    12 38.00  56kmX
XAN  52.15  17 Pc   12 31.00  -0.9
     1.5s  130.00nm            5.6mb
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   N 13s    1.49um
   E 13s    1.76um
               pP   12 36.50  18km
               S    19 58.00
QUE  52.30 332 eP   12 33.40   0.1
     1.3s  104.81nm            5.6mb
               eS   20 02.00
RMQ  52.82 111 eP   12 37.00  -0.1
               i    12 43.00  20km
BWA  52.88 121 eP   12 38.30   0.8
LZH  52.92  11 Pc   12 37.00  -0.8
     2.0s  190.00nm            5.7mb
   Z 17s    2.16um             5.3MszX
   E 15s    1.91um
               pP   12 43.50  21km
               sP   12 48.00
               PcP  13 46.00
               PP   14 38.50
               eS   20 04.00
               sS   20 14.00
               SS   23 42.00
CAN  53.44 122 eP   12 40.70  -0.9
CN8  53.74 122 eP   12 43.00  -0.8
     1.0s   50.00nm            5.5mb
               i    12 49.50  21km
NJ2  53.98  27 Pc   12 45.50   0.1
     1.2s  120.00nm            5.8mb
   N 16s    1.64um
   E 16s    2.42um
               S    20 23.00
SSE  54.26  30 P    12 46.80  -0.7
     1.2s  100.00nm            5.7mb
   Z 20s    1.40um             5.0Msz
   N 11s    0.90um
   E 11s    1.00um
ARMA 55.37 116 iPd  12 56.80   0.9
     1.0s   64.00nm            5.6mb
               i    13 11.00  52kmX
GTA  55.58   7 P    12 56.40  -0.8
     1.5s  110.00nm            5.7mb
   Z 16s    1.72um             5.2MszX
   E 13s    1.78um
               pP   13 03.00  22km
               sP   13 04.50
               PP   15 01.50
               S    20 40.00
TIY  56.60  19 eP   13 03.70  -0.8
     1.0s   40.00nm            5.4mb
   Z 20s    2.88um             5.4Msz
   N 14s    1.55um
   E 14s    1.70um
               S    20 57.50
TIA  56.87  23 eP   13 05.20  -1.1
   Z 18s    3.57um             5.5Msz
   N 15s    1.64um
   E 12s    0.89um
               S    21 00.00
NAI  57.06 279 P    13 15.50   7.2X
   Z 22s    2.22um             5.2Msz
               S    21 02.50
KSH  57.43 345 P    13 10.40   0.0
   Z 16s    2.62um             5.4MszX
   N 12s    1.14um
   E 12s    2.73um
               S    21 09.00
BTO  58.61  15 iPd  13 18.00  -0.6
     1.0s   64.00nm            5.7mb
   N 12s    0.51um
   E 14s    2.78um
               sP   13 27.00
               ePP  15 30.00
               S    21 21.00
               SS   25 14.00
GAR  58.68 340 eP   13 16.00  -3.1X
               e    21 18.00
BFT  58.94 249 iPd  13 23.00   1.6
     1.2s  500.00nm            6.5mb
HHC  59.26  17 P    13 23.00  -0.1
     1.2s  130.00nm            5.9mb
   Z 19s    3.06um             5.4Msz
   N 17s    1.81um
   E 12s    0.90um
               pP   13 31.50  28km
WMQ  59.78 356 Pc   13 25.80  -0.8
     1.5s   72.00nm            5.6mb
   Z 27s    2.42um             5.2MszX
   N 13s    0.69um
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               PcP  14 14.00
               PP   15 37.20
               PcS  18 10.00
               S    21 34.00
               ScS  23 10.00
BJI  59.93  21 eP   13 27.00  -0.5
     1.4s  180.00nm            6.0mb
   Z 19s    1.20um             5.1Msz
   N 13s    0.50um
               ePP  15 43.00
KRI  60.35 260 iPd  13 30.60  -0.5
               ipP  13 39.50  29km
SLR  60.52 249 iPc  13 31.60  -0.6
     1.5s 3611.11nm            7.3mb X
TLG  60.72 347 eP   13 33.00   0.0
   Z 16s    1.40um             5.2MszX
   N 16s    1.50um
   E 15s    1.00um
               iS   21 51.00
BUL  60.81 256 iPd  13 33.30  -0.9
SEK  60.93 246 iPd  13 34.70  -0.2
     0.8s  447.76nm            6.6mb
DL2  60.99  25 iPc  13 35.00   0.2
     1.0s  170.00nm            6.1mb
   Z 16s    1.17um             5.1MszX
   N 15s    1.61um
   E 13s    0.77um
               PP   15 52.00
               eS   21 49.00
PRY  61.16 248 iPc  13 34.90  -1.6
     0.8s  250.00nm            6.4mb
VIR  61.61 246 iPc  13 41.00   1.4
     1.0s  800.00nm            6.8mb X
GRM  61.63 241 eP   13 35.00  -4.5X
KSR  61.76 249 iPd  13 39.50  -1.1
     1.0s  500.00nm            6.6mb
BLF  62.14 245 iPc  13 41.10  -2.0
     0.9s  769.23nm            6.8mb X
SNY  64.25  25 iPc  13 56.00  -0.4
     1.8s   98.00nm            5.6mb
   Z 22s    1.75um             5.2Msz
   N 15s    0.58um
   E 14s    1.21um
               S    22 32.00
HNR  65.61  93 eP   14 05.00  -0.8
TSRJ 65.64  38 P    14 05.20  -0.4
SUR  66.52 241 eP   14 08.00  -3.7X
     0.5s 1507.04nm            7.4mb X
CN2  66.66  25 Pc   14 10.50  -1.4
     0.8s   17.00nm            5.2mb
   Z 19s    3.50um             5.6Msz
   N 15s    0.90um
   E 15s    0.59um
               ePP  16 38.00
               eS   22 57.00
ZAK  66.81   7 iPc  14 12.00  -0.7
     1.8s   54.00nm            5.4mb
   Z 12s    0.78um             5.1MszX
   N 16s    1.36um
   E 16s    2.03um
               e    14 47.00 145kmX
               eS   23 00.00
               e    24 09.00
MTMJ 67.44  38 P    14 17.10   0.0
CHJJ 67.79  39 P    14 18.50  -0.8
MOY  67.85   5 eP   14 19.00  -0.2
     1.8s  120.00nm            5.7mb
NIIJ 68.59  38 P    14 22.90  -1.3
KAKJ 68.62  40 P    14 23.60  -0.7
IRK  68.79   8 iP+  14 24.00  -1.2
     1.5s   65.00nm            5.5mb
   Z 16s    0.76um             5.0MszX
   N 17s    0.73um
   E 16s    0.97um
               e    14 44.00  76kmX
               e    16 54.00
               eS   23 24.00
MDJ  69.07  27 eP   14 26.70  -0.3
     1.3s   66.00nm            5.6mb
   Z 48s    2.76um             5.1MszX
   N 14s    0.71um
   E 14s    1.07um
               pP   14 33.50  22km
TAB  69.28 322 eP   14 28.00  -0.6
YAMJ 69.82  38 eP   14 31.90   0.2
CIT  70.17  14 eP   14 33.50  -0.1
OFUJ 71.38  38 eP   14 40.80  -0.4
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02d 20h

AOMJ 71.59 36 eP 14 43.30 0.9
ERE 71.74 323 iP 14 43.00 -0.5
iS 24 02.00
MTA 72.57 324 eP 14 48.00 -0.2
Z 18s 0.50um 4.8Msz
N 18s 0.40um
E 18s 0.50um
eS 24 12.00
e 24 41.00
GRO 73.19 326 iPc 14 50.00 -1.8
1.5s 160.00nm 5.8mb
Z 15s 2.50um 5.6MszX
N 18s 2.00um
E 15s 4.00um
iS 24 18.00
MRRJ 73.22 35 eP 14 52.40 0.5
HRI 73.27 313 eP 14 42.90 -9.7X
BHL 73.67 313 P 14 54.00 -0.9
SKS 24 24.00
SPA 74.03 180 iPc 14 54.90 -1.7
1.0s 60.00nm 5.6mb
HOOJ 74.44 36 eP 14 59.50 0.5
PYA 75.07 325 eP 15 03.00 0.3
2.0s 220.00nm 5.8mb
Z 18s 1.50um 5.3Msz
i 15 17.00 49kmX
iS 24 38.00
ePS 25 06.00
eSS 29 30.00
ASAJ 75.19 35 eP 15 02.80 -0.6
KIV 75.22 325 iP 15 03.20 -0.5
Z 18s 1.51um 5.3Msz
i 15 18.80 56kmX
i 17 58.50
iS 24 41.30
iPS 25 07.90
iSS 29 28.30
eSSS 32 54.30
KUSJ 75.70 37 eP 15 06.00 -0.3
BOD 75.75 12 iP 15 05.20 -1.1
1.4s 120.00nm 5.7mb
CSS 75.86 313 eP 15 07.50 0.1
SVST 76.07 319 eP 15 09.00 0.3
BCAO 76.17 279 iPc 15 09.00 -0.6
1.0s 25.00nm 5.2mb
ic 15 27.10 66kmX
SOC 76.66 323 eP 15 11.00 -0.7
2.2s 100.00nm 5.5mb
Z 17s 1.30um 5.3MszX
N 17s 1.00um
E 17s 0.60um
SNA 76.71 200 e(P) 15 12.90 1.3
1.2s 62.50nm 5.5mb
TRHT 76.88 319 eP 15 13.00 -0.2
ARU 77.68 341 ePc 15 16.00 -1.1
2.3s 200.00nm 5.7mb
Z 18s 1.50um 5.4Msz
N 18s 1.00um
E 20s 1.00um
i 15 25.00 29km
e 18 18.00
eS 25 06.00
ANN 78.83 323 eP 15 23.00 -0.6
Z 17s 0.60um 5.0MszX
N 17s 1.00um
e 18 25.00
eS 25 17.00
SGKT 79.64 318 eP 15 27.00 -1.4
NAL 79.94 317 eP 15 30.00 0.0
DVR 79.98 318 eP 15 30.00 -0.1
GYN 80.40 317 eP 15 33.00 0.6
SIM 80.72 322 eP 15 34.00 0.2
eS 25 38.00
IZI 81.22 316 eP 15 36.80 0.2
HRT 81.33 317 iP 15 37.20 0.0
YLV 81.40 316 eP 15 36.20 -1.4
IZM 81.79 314 eP 15 40.00 0.4
KCT 81.92 316 eP 15 39.20 -1.0
EZN 83.10 315 eP 15 46.30 0.0
YAK 83.12 17 iPc 15 45.20 -0.7
1.3s 163.00nm 6.0mb
Z 18s 1.70um 5.5Msz
N 17s 0.70um
E 18s 0.90um
eS 26 00.00
ALN 83.78 316 eP 15 50.26 0.5
KIS 84.92 322 eP 15 54.00 -1.3
Z 18s 1.00um 5.2Msz
N 18s 0.60um
E 17s 0.50um
e 19 16.00
iS 26 19.00
OUR 84.93 314 eP 15 56.22 0.7
PAIG 84.97 314 eP 15 57.46 1.8
OBN 85.28 331 eP 15 57.00 0.1
1.7s 170.00nm 6.0mb
Z 17s 1.20um 5.4MszX
N 17s 0.50um
e 19 18.00
e 26 20.00
ePS 27 28.00
eSS 32 06.00
NRI 85.31 358 iPc 15 55.70 -1.0
2.0s 220.00nm 6.0mb
e 19 19.00
(S) 26 25.00
ISR 85.43 319 eP 16 05.00 7.0X
SRS 85.54 315 eP 15 57.38 -1.2
SOH 85.58 315 eP 15 58.58 -0.2
VRI 85.66 320 ePd 16 00.00 1.0
LIT 85.87 314 iP 15 59.98 -0.3
MLR 85.97 320 ePd 16 01.00 0.3
KNT 86.03 315 eP 16 00.10 -0.9
GRG 86.29 314 eP 16 02.98 0.7
VAY 86.32 315 iP 16 02.30 -0.1
CMP 86.43 319 ePd 16 03.00 0.1
SKO 87.37 315 iP 16 06.50 -1.0
Z 18s 1.37um 5.4Msz
iPP 19 34.00
iS 26 42.00
iSS 32 56.00
LR 55 44.00
OHR 87.46 314 eP 16 07.80 -0.2
DEV 88.05 319 ePd 16 16.00 5.4X
BZS 88.75 318 eP 16 13.00 -1.0
PET 88.95 33 eP 16 15.00 0.2
1.2s 130.00nm 6.1mb
e 26 42.00
MGD 89.03 25 eP+ 16 14.00 -1.0
1.1s 130.00nm 6.2mb
Z 17s 0.70um 5.2MszX
N 17s 0.70um
E 17s 0.70um
e 19 44.00
e 26 40.00
eS 27 00.00
ePS 28 12.00
eSS 33 00.00
LVV 89.08 323 iP 16 17.00 1.5
Z 16s 2.40um 5.7MszX
e 19 52.00
eS 26 46.00
e 27 04.00
BEO 89.18 317 eP 16 15.50 -0.5
UZH 89.59 321 eP 16 20.00 2.1
e 16 23.50 11kmX
e 26 45.00
eSS 33 06.00
ROI 89.86 311 P 16 21.80 2.3
CSI 90.14 311 P 16 22.60 1.9
PUL 90.71 333 eP 16 32.00 9.2X
Z 18s 0.50um 5.0Msz
(S) 27 12.00
e 33 24.00
PSZ 90.77 320 eP 16 24.10 0.6
SPC 91.06 321 eP 16 25.20 0.3
UZD 91.08 318 e(P) 16 23.00 -1.8
SRO 91.71 319 eP 16 27.50 -0.2
OJC 91.73 322 eP 16 28.80 1.0
e 16 35.60 21km
ZAG 92.48 317 eP 16 37.00 5.7X
PTJ 92.52 317 e(P) 16 32.10 0.5
ZST 92.61 320 eP 16 31.20 -0.6
VBY 92.85 317 eP 16 29.80 -3.2X
e 16 39.20 29km
NUR 93.55 333 eP 16 43.00 7.1X
KSP 94.04 322 eP 16 44.30 5.9X
PRU 94.80 321 eP 16 32.50 -9.4X
Z 18s 0.80um 5.2Msz
N 17s 0.60um
E 18s 0.60um
e 20 37.00
GEC2 94.95 319 P 16 41.60 -1.2
0.8s 0.46nm 4.0mb X
KHC 95.12 320 eP 16 43.00 -0.5
1.3s 6.00nm 4.9mb
e 16 52.00 28km
e 18 22.00
BRG 95.45 321 e(P) 17 06.60 21.7X
CLL 96.15 322 e(P) 16 50.00 1.9
MOX 96.79 321 eP 16 53.00 2.0
Z 19s 0.40um 4.9Msz
N 20s 0.70um
eSKS 27 32.00
KEV 96.93 341 eP 17 04.00 12.8X
SMY 97.48 37 P 17 10.00 16.1X
Z 18s 1.98um 5.6Msz
SDN 112.57 36 PKP 22 10.00 13.2X
Z 21s 1.65um 5.6Msz
HON 113.23 73 PKP 22 10.00 10.9X
Z 19s 0.46um 5.1Msz
IMA 114.07 24 ePKP 21 59.50 -0.1
1.0s 10.80nm
FBA 116.76 25 ePKP 22 01.70 -2.9X
PMR 117.26 28 ePKP 22 06.00 0.4
PMR 117.26 28 PKP 22 20.00 14.4X
Z 19s 0.74um 5.3Msz
SIT 125.54 30 PKP 22 30.00 8.4X
Z 21s 0.66um 5.3Msz
YKA 129.80 16 ePKP 22 28.00 -1.6
1.2s 6.10nm
FCC 137.08 5 ePKP 22 45.00 1.5
PNT 137.67 31 ePKP 22 45.00 0.0
SIV 139.00 220 PKP 22 50.00 1.6
LBFM 140.93 43 ePKP 22 44.24 -7.2X
ORV 142.06 45 ePKP 22 47.12 -6.1X
LPB 142.51 211 PKP 22 58.00 2.8X
ZOBO 142.74 211 PKP 22 52.20 -3.6X
1.0s 25.50nm
LR 10 10.00
ARN 143.03 48 ePKP 22 51.66 -3.4X
LRM 143.59 30 ePKP 22 53.20 -2.8X
PHAM 144.51 50 ePKP 22 56.05 -1.5
KVN 144.60 44 ePKP 22 56.54 -1.3
PKEM 144.62 49 ePKP 22 57.97 0.3
HPI 144.76 33 ePKP 22 56.77 -1.3
LMN 144.89 332 ePKP 22 58.50 0.6
BONR 145.02 45 ePKP 22 57.48 -1.3
ULM 145.20 10 ePKPc 22 57.60 -0.6
pP 23 12.50
TNP 145.69 44 ePKP 22 59.88 0.1
PTI 145.72 34 ePKP 23 00.66 1.0
ABL 145.79 51 ePKP 23 00.80 0.7
HVU 146.24 35 ePKP 23 01.44 0.9
MIM 147.15 336 ePKP 23 03.10 1.5
SSK 147.21 51 ePKP 23 04.28 2.0
DUG 147.25 38 ePKP 23 03.25 1.1
PEC 147.74 51 ePKP 23 04.94 2.0
DAU 148.00 36 ePKP 23 04.23 0.7
PLM 148.20 52 ePKP 23 06.32 2.4X
ARUT 148.34 42 ePKP 23 05.50 1.5
BNH 148.54 338 ePKP 23 06.58 2.7X
EMUT 148.66 36 ePKP 23 07.29 2.7X
MSU 148.69 40 ePKP 23 07.85 3.2X
EEO 148.78 349 ePKP 23 09.50 5.3X
SRU 149.29 37 ePKP 23 05.95 0.5
NNA 150.29 201 ePKP 23 14.20 6.8X
1.1s 49.37nm
HRV 150.43 336 ePKP 23 07.98 1.2
Z 22s 1.32um 5.7Msz
GOL 151.63 30 ePKP 23 10.21 1.2
Z 22s 0.81um 5.5Msz
TBR 152.61 338 (PKP) 23 12.12 2.1X
LVNJ 153.09 339 (PKP) 23 11.61 0.9
ALQ 154.50 39 PKP 23 20.00 6.9X
Z 21s 0.95um 5.6Msz
SLM 157.37 6 PKP 23 30.00 13.5X
Z 20s 1.71um 5.9Msz
MEO 158.76 27 iPKPd 23 19.00 0.7
LNO 158.81 20 ePKP 23 19.20 1.1
TUL 158.81 20 ePKP 23 19.50 1.3
2.4s 30.30nm
RLO 158.82 18 ePKP 23 19.50 1.3
CEH 158.98 341 ePKP 23 31.83 13.4X
Z 22s 1.08um 5.6Msz
VVO 159.36 20 ePKP 23 20.20 1.4
UYO 160.84 19 iPKPd 23 20.80 0.4
S.D. = 1.0 on 183 of 224 obs.

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* JUN 02, 1992 20h 12m 47.33± 1.47s
25.905 N ±20.2km 37.526 E ±12.5km

DEPTH = 10.0km (geophysicist)
4.8mb (2 obs.) 4.2Msz (1 obs.)
WESTERN ARABIAN PENINSULA (555)

WAJH 0.91 287 iPd 13 05.30 0.6
eS 13 16.40
AYN 3.25 336 iPd 13 42.50 3.2X
eS 14 15.00
HOL 4.01 327 iPd 13 50.40 0.3
eS 14 32.00
AOBJ 4.39 331 P 13 54.30 -1.3
MBH 4.51 329 eP 13 55.40 -1.9
SHWJ 4.81 339 P 14 03.00 1.3
JRDJ 5.08 342 P 14 08.00 2.6X
JVI 6.30 343 eP 14 23.90 1.3
MDB 22.76 336 ePc 18 02.00 11.1X
CLL 31.51 330 eP 19 11.00 -0.4
Z 18s 0.50um 4.2Msz
e 20 46.00
GKN 41.85 76 P 20 47.60 8.2X
DMN 42.32 77 P 20 44.20 0.8
KKN 42.44 76 P 20 45.40 1.0
0.8s 20.00nm 4.9mb
PKI 42.59 77 P 20 43.90 -1.8
GUN 42.95 76 P 20 45.20 -3.5X
0.8s 16.00nm 4.8mb
S.D. = 1.4 on 10 of 15 obs.

? JUN 02, 1992 21h 02m 08.09± 7.85s
43.247 N ±56.8km 10.851 E ±22.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

PII 0.53 333 P 02 18.70 -0.1
eSg 02 24.50
BDI 0.84 347 P 02 24.20 -0.1
eSg 02 33.00
CRE 0.89 64 Pc 02 25.30 0.1
eSg 02 35.00
PGD 0.89 45 P 02 25.30 0.0
eSg 02 36.10
MME 0.95 353 P 02 26.70 0.3
eSg 02 37.00
SFI 0.99 47 P 02 26.70 -0.2
S.D. = 0.2 on 6 of 6 obs.

JUN 02, 1992 21h 05m 00.83± 0.16s
16.138 S ± 4.0km 92.844 E ± 3.6km
DEPTH = 13.9km (24 depth phases)
5.9mb (86 obs.) 5.9Msz (54 obs.)
SOUTH INDIAN OCEAN (425)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 81C M.W.: 14S, 21C
Centroid Location:
Origin Time 21:05: 9.5 0.1
Lat 15.96S 0.01 Lon 92.92E 0.02
Dep 15.0 FIX Half-duration 3.9
Moment Tensor; Scale 10**18 Nm
Mrr= 1.18 0.02 Mtt= 0.56 0.02
Mff=-1.74 0.03 Mrt= 0.42 0.06
Mrf=-0.24 0.07 Mtf=-2.11 0.02
Principal Axes:
T Val= 2.08 Plg=28 Azm= 31
N 0.91 62 211
P -2.99 0 121
Best Double Couple:Mo=2.5*10**18
NP1:Strike=169 Dip=70 Slip= 21
NP2: 72 70 159

KGM 20.80 31 ePc 09 45.50 1.2
1.0s 275.70nm 5.6mb
e 09 55.60 40kmX
e 10 08.30
KLM 21.00 25 eP 09 47.50 1.1
IPM 22.12 22 ePc 09 58.90 1.2
1.1s 538.70nm 5.9mb
e 10 18.50 91kmX
NANU 22.32 110 eP 10 01.00 1.4
e 10 13.00 48kmX
eS 13 47.00
SNG 24.41 19 eP 10 21.70 1.7
1.6s 2093.33nm 6.5mb
eS 14 33.80
MRWA 24.96 125 eP 10 26.00 0.7
eS 15 00.00
MUN 26.44 131 eP 10 39.00 -0.1
0.9s 210.00nm 5.8mb
Z 20s 16.20um 5.6Msz
e 11 08.00 138kmX
eS 15 37.00
KLB 27.40 129 eP 10 47.00 -0.9
eS 16 05.00
RKG 28.40 135 eP 10 56.00 -1.0
e 11 37.00 203kmX
eS 16 24.00
NNT 29.35 14 eP 11 03.40 -2.1
COOL 29.70 125 eP 11 07.60 -1.2
KHT 31.25 11 eP 11 22.20 -0.2
KKM 31.95 48 ePc 11 28.00 -0.7
1.0s 124.70nm 5.8mb
TSM 32.02 53 ePc 11 29.30 0.1
NST 32.42 13 eP 11 34.50 1.9
CHG 35.25 10 eP 11 56.60 -0.5
HYB 36.20 336 eP 12 06.60 1.4
1.0s 180.00nm 5.9mb
i 12 14.50 27kmX
eS 17 44.00
MTN 37.18 90 eP 12 14.00 0.5
PAF 37.90 204 eP 12 27.00 7.9X
eS 18 00.00
QIZ 38.74 26 iPd 12 28.00 1.5
1.4s 190.00nm 5.6mb
N 17s 14.20um
E 16s 3.60um
POO 39.20 331 iPd 12 39.70 9.3X
iS 18 40.50
WB2 39.58 102 iPc 12 33.70 0.1
0.8s 147.30nm 5.7mb
CGP 39.89 54 ePc 12 35.00 -1.2
PGP 40.49 45 eP 12 42.50 1.5
MAP 40.51 52 eP 12 38.00 -3.2X
TGY 40.91 44 ePd 12 46.50 2.0
BIP 40.98 56 eP 12 44.50 -0.6
OVP 41.33 44 eP 12 48.00 0.1
PLP 41.80 52 ePd 12 50.20 -1.6
KMI 42.13 13 iPc 12 56.00 1.3
1.6s 760.00nm 6.2mb
Z 30s 19.20um 5.8MszX
N 15s 6.30um
E 15s 8.80um
S 19 14.00
HKC 43.54 29 eP 13 06.90 1.0
PIP 43.83 40 ePd 13 06.50 -1.8
GZH 43.84 28 iPc 13 08.00 -0.3
Z 18s 10.90um 5.8Msz
N 20s 10.40um
E 13s 4.10um
PP 14 57.00
S 19 40.00
PKI 44.04 350 P 13 09.60 -0.8
DMN 44.13 350 P 13 09.60 -1.4
KKN 44.28 350 P 13 10.80 -1.3
GUN 44.30 351 P 13 11.20 -1.3
GYA 44.42 18 P 13 14.00 0.8
1.4s 200.00nm 5.8mb
Z 22s 23.70um 6.1Msz
N 16s 7.43um
E 16s 5.67um
PP 15 02.00
QIS 44.49 103 iPd 13 14.00 0.2
1.1s 150.00nm 5.8mb
GKN 44.59 350 P 13 13.30 -1.3
ADE 44.99 124 eP 13 18.00 0.3
0.9s 336.13nm 6.3mb
CRZF 45.47 220 eP 13 29.00 7.8X
ePP 14 49.00
ePPP 15 26.00
eS 19 19.00
eSP 19 54.00
LSA 45.60 358 iPc 13 24.00 1.1
N 17s 8.36um
E 17s 3.60um
pP 13 35.00 38kmX
S 20 03.00
STK 46.82 119 iPd 13 32.00 -0.1
1.0s 79.10nm 5.7mb
eS 20 26.60
NDI 47.05 341 eP 13 33.00 -0.9
QZH 47.93 32 iPc 13 41.00 0.1
2.0s 380.00nm 6.1mb
Z 24s 8.21um 5.6MszX
N 16s 5.90um
PP 15 31.00
sS 20 46.00
CD2 47.94 13 eP 13 40.20 -0.7
1.4s 410.00nm 6.3mb
Z 26s 7.98um 5.6MszX
E 14s 8.44um
PcP 15 13.00
PP 15 37.00
S 20 37.00
sS 20 49.00
SS 24 06.00
BFD 48.49 126 iPc 13 45.00 -0.2
1.0s 315.00nm 6.3mb
QLP 48.70 111 eP 13 47.00 0.1
1.0s 315.00nm 6.3mb
CMS 50.37 118 iPd 13 59.10 -0.6
1.0s 130.00nm 5.8mb
i 14 02.50 11km
CTA 50.74 103 P 14 03.90 1.2
WHN 50.82 24 P 14 02.50 -0.5
1.4s 83.00nm 5.5mb
Z 20s 19.00um 6.1Msz
N 18s 11.50um
E 14s 2.82um
PP 16 04.00
S 21 20.00
TOO 50.87 125 iPd 14 04.50 1.0
1.2s 397.00nm 6.2mb
WWKK 51.40 82 eP 14 12.60 4.8X
CSY 51.47 171 eP 14 07.40 -0.1
0.3s 7.50nm 5.1mb
XAN 52.20 17 Pc 14 12.20 -1.2
1.5s 290.00nm 6.0mb
N 15s 5.33um
E 14s 5.70um
S 21 37.00
QUE 52.38 331 eP 14 14.70 -0.4
1.0s 89.50nm 5.7mb
Z 18s 13.61um 6.0Msz
eS 21 37.00
RMQ 52.75 111 eP 14 18.00 0.2
BWA 52.80 121 iPd 14 19.40 1.3
LZH 52.97 11 Pc 14 18.00 -1.4
2.0s 480.00nm 6.1mb
Z 25s 7.64um 5.6MszX
E 15s 4.12um
pP 14 31.50 49kmX
PcP 15 26.00
PcS 19 22.00
iS 21 45.00
sS 22 06.00
SS 25 26.00
PMG 53.26 90 eP 14 21.00 -0.7
CAN 53.36 122 iPd 14 22.20 -0.1
i 15 41.40 383kmX
i 16 33.80
CNB 53.66 122 iPd 14 24.80 0.4
1.0s 140.00nm 5.9mb
NJ2 54.01 27 Pc 14 27.00 0.2
1.2s 250.00nm 6.1mb
N 15s 4.63um
E 16s 8.70um
S 22 00.00
SSE 54.29 30 Pc 14 29.30 0.4
1.4s 190.00nm 5.9mb
Z 21s 7.00um 5.7Msz
N 12s 2.30um
E 12s 2.60um
pP 14 36.00 22km
S 22 04.00
sS 22 16.00
SS 25 48.00
MAW 54.96 194 iPc 14 32.60 -0.8
1.0s 97.00nm 5.8mb
RIV 55.02 120 iPc 14 35.00 0.6
i 22 26.00
ARMA 55.29 116 iPc 14 37.00 0.5
1.0s 64.00nm 5.6mb
i 14 41.20 14km
CLK 55.49 262 iPc 14 37.00 -1.1
ipP 14 44.00 23km
GTA 55.64 7 iPc 14 37.40 -1.4
1.5s 310.00nm 6.1mb
Z 17s 8.10um 5.9MszX
E 14s 5.06um
pP 14 50.50 47kmX
PP 16 42.00
S 22 20.00

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02d  21h

                SS     26 06.00
ARO     56.59 296 ePd  14 46.70   0.8
TIY     56.64  19 Pc   14 45.00  -1.0
        1.0s   75.00nm          5.7mb
     Z  20s    11.40um          6.0Msz
     N  16s     8.16um
                S      22 34.50
                sS     22 43.00
TIA     56.90  23 Pd   14 47.10  -0.7
     Z  20s    19.20um          6.2Msz
     N  17s    10.80um
     E  14s     2.48um
                S      22 44.00
KHO     56.98 340 iPc  14 47.00  -1.6
        1.2s  190.00nm          6.0mb
                iS     22 38.30
                iPS    22 58.00
                e      24 32.00
NAI     57.12 279 iP   14 50.00   0.0
        1.0s   10.00nm          4.8mb X
     Z  22s     9.63um          5.9Msz
                pP     15 03.50  49kmX
                PS     22 48.00
                SS     26 46.00
                LQ     28 50.00
KSH     57.50 345 P    14 52.00  -0.1
        1.0s  340.00nm          6.3mb
     Z  20s    11.70um          6.0Msz
     N  12s     2.92um
     E  14s    10.80um
                S      22 51.00
BTO     58.66  15 P    15 00.00  -0.1
        1.0s  140.00nm          6.0mb
     N  18s     9.98um
     E  14s     4.96um
                sP     15 09.00
                PP     17 12.00
                S      23 03.00
                sS     23 16.00
                eSS    27 03.00
GAR     58.76 340 iP   14 57.50  -3.4X
BFT     58.97 249 eP   15 04.50   1.7
DRV     59.09 160 eP   14 51.00 -11.7X
                PP     17 29.00
                S      23 09.00
                SS     26 58.00
                SSS    29 54.00
GUMO    59.30  63 eP   15 06.10   1.3
HHC     59.30  16 Pc   15 03.50  -1.1
        1.4s  230.00nm          6.1mb
     Z  20s    14.30um          6.1Msz
     N  20s    31.40um
     E  14s     2.07um
                pP     15 09.50  20km
                sP     15 15.00
                S      23 10.00
GUA     59.31  63 eP   15 06.00   1.0
        0.5s   67.61nm          6.0mb
WMQ     59.85 356 Pc   15 07.00  -1.3
        1.5s  240.00nm          6.1mb
     Z  26s    11.90um          5.9MszX
     N  20s     8.65um
                PcP    15 54.00
                PP     17 22.00
                PcS    19 51.50
                iS     23 17.30
                ScS    24 57.50
                SS     27 13.40
BJI     59.97  21 eP   15 08.50  -0.5
        1.7s  370.00nm          6.2mb
     Z  19s     7.44um          5.8Msz
     N  16s     5.36um
                ePP    17 21.00
                eS     23 16.00
                eSS    27 10.00
KRI     60.39 260 iPd  15 11.00  -1.6
                ipP    15 15.20  14km
KUMJ    60.53  37 eP   15 11.90  -1.1
SLR     60.55 249 iPc  15 12.00  -1.6
        0.9s   84.03nm          5.9mb
RYD     60.68 311 ePc  15 14.50   0.3
TLG     60.79 347 eP   15 14.00  -0.7
                iS     23 33.00
BUL     60.85 256 iPd  15 13.90  -1.8
                ipP    16 12.00 257kmX
MAIO    60.94 329 eP   15 15.00  -0.8
        2.0s  151.16nm          5.8mb
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                eS     23 34.00
SEK     60.95 246 iPc  15 14.70  -1.6
        0.5s   42.25nm          5.8mb
DL2     61.02  25 Pc   15 16.00  -0.2
        1.0s  330.00nm          6.4mb
     Z  20s     5.62um          5.7Msz
     N  16s     7.66um
     E  16s     2.93um
                PP     17 34.00
                S      23 34.00
BISH    61.05 304 ePd  15 19.60   2.7
PRY     61.18 248 eP   15 15.20  -2.7
KSR     61.79 249 iPd  15 21.00  -1.0
        1.0s   45.00nm          5.6mb
SHNJ    61.85  36 P    15 22.80   0.9
BLF     62.16 245 iPd  15 23.00  -1.5
        0.5s    5.41nm          5.0mb
ASH     62.80 330 eP   15 27.00  -1.2
     Z  15s     3.58um          5.7MszX
                i      15 31.00  13km
                e      16 05.00
                e      17 42.00
                ePPP   19 18.00
                eS     23 48.00
                PS     24 08.00
                e      25 13.00
SHK     63.04  36 eP   15 28.80  -1.0
MCQ     63.17 143 iPd  15 37.70   7.3X
TKSJ    63.44  38 P    15 32.90   0.4
YONJ    63.95  36 P    15 34.40  -1.5
SNY     64.28  25 iPc  15 37.00  -0.9
        1.8s  250.00nm          6.1mb
     Z  20s    10.40um          6.0Msz
     N  19s     8.03um
     E  18s     5.48um
                pP     15 47.00  32kmX
                sP     15 51.40
                S      24 13.50
WKYJ    64.52  39 P    15 39.70   0.0
KAT     64.80 329 eP   15 43.00   1.8
                iS     24 17.50
TEH     64.83 323 eP   15 45.00   3.3X
HNR     65.55  93 eP   15 47.00   0.4
SUR     66.54 241 iPc  15 50.00  -3.0X
        1.3s  284.62nm          6.3mb
CN2     66.69  25 Pc   15 52.60  -0.7
        0.8s   45.00nm          5.7mb
     Z  20s     9.68um          6.0Msz
     N  20s     7.59um
     E  20s     7.83um
                epP    16 00.00  24km
                PP     18 21.00
                eS     24 40.00
ZAK     66.86   7 iPc  15 53.00  -1.3
        2.5s  379.00nm          6.1mb
     Z  17s     4.04um          5.7MszX
     N  17s     4.70um
     E  17s     4.45um
                e      16 29.00 149kmX
                e      18 24.00
                eS     24 45.00
                e      25 54.00
SEM     67.18 351 iPc  15 55.00  -1.3
        1.3s  396.00nm          6.4mb
                e      18 22.00 790kmX
                eS     24 48.00
                e      25 56.00
MAT     67.66  38 iPc  15 58.10  -1.6
     Z  20s     5.32um          5.8Msz
                eS     24 57.00
CER     67.73 240 eP   16 13.00  12.6X
        0.6s   39.29nm
IRK     68.85   8 iPc  16 05.00  -1.7
        1.5s  184.00nm          6.0mb
     Z  16s     5.45um          5.9MszX
     N  16s     4.21um
     E  15s     3.43um
                e      16 29.00  93kmX
                ePPP   20 22.00
                eS     25 07.00
                e      26 04.00
                eSS    29 38.00
BAK     68.95 326 iPc  16 09.00   1.4
     Z  18s    17.80um          6.3Msz
     N  20s    13.30um
     E  18s    10.30um
                iS     25 16.00
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MDJ     69.11  27 Pd   16 08.40   0.0
        1.4s  130.00nm          5.9mb
     Z  44s     8.31um          5.6MszX
     N  16s     3.30um
     E  17s     4.44um
                sP     16 21.20
DZM     69.21 108 iPc  16 09.20  -0.5
TAB     69.37 322 e(P) 16 09.00  -1.4
                e      16 13.00  13km
                e      16 20.00
SHE     69.81 326 eP   16 14.00   1.2
        2.0s  350.00nm          6.2mb
     Z  16s     3.00um          5.6MszX
     N  16s     4.00um
     E  16s     6.00um
                i      18 56.00
                iS     25 20.00
CIT     70.21  13 eP   16 15.00  -0.2
     Z  18s     6.35um          5.9Msz
     N  18s     4.03um
     E  18s     5.04um
                e      25 33.00
GRS     70.32 323 iPd  16 14.60  -1.6
        1.2s   70.00nm          5.7mb
                e      19 00.00
                ePPP   20 28.00
AKSR    70.55 303 eP   16 18.00   0.3
AGRW    70.73 303 eP   16 18.50  -0.3
ANMR    70.96 303 eP   16 18.60  -1.6
WIN     71.09 251 iPc  16 19.70  -1.6
        0.7s   10.27nm          5.1mb
     Z  22s     9.26um          6.0Msz
HQL     71.75 309 eP   16 26.00   1.2
ERE     71.83 323 iP+  16 27.00   1.8
     Z  20s     2.80um          5.5Msz
     N  20s     2.70um
     E  20s     2.80um
                iS     25 44.00
                ePS    26 18.00
                iSS    30 21.00
QRZ     71.91 128 eP   16 24.70  -1.0
MBH     72.13 309 eP   16 30.50   3.3X
LISJ    72.46 311 P    16 26.36  -2.6
MASJ    72.54 311 P    16 26.61  -3.0X
MTA     72.66 324 eP   16 28.00  -1.9
     Z  18s     1.50um          5.3Msz
     N  18s     1.50um
     E  18s     1.50um
                i      16 32.60  15km
                iS     25 54.60
                e      26 28.00
JVI     72.92 311 eP   16 34.90   3.1X
GRO     73.28 326 eP   16 33.00  -0.5
        1.5s  660.00nm          6.5mb
     Z  17s     5.00um          5.9MszX
     N  18s     8.00um
     E  17s    13.00um
                i      19 25.00
                iPPP   21 00.00
                iS     25 58.00
HRI     73.35 313 eP   16 37.80   3.4X
BHL     73.75 313 Pc   16 38.00   1.3
                SKS    26 08.00
SAP     73.80  35 eP   16 37.00   0.4
SPA     73.96 180 iPc  16 36.60  -0.9
        1.0s  126.00nm          5.9mb
     Z  19s     6.67um          5.9Msz
BCA     74.31 322 eP   16 37.80  -1.9
MYA     74.38 318 eP   16 45.10   4.9X
CNZ     74.41 127 P    16 39.70  -0.8
NGZ     74.46 127 P    16 39.90  -0.9
GAZ     74.50 317 eP   16 42.00   1.2
WLZ     74.64 125 eP   16 42.30   0.6
PGZ     74.76 128 P    16 41.60  -0.7
PYA     75.15 325 ePc  16 43.00  -1.5
     Z  18s     3.50um          5.7Msz
     N  18s     1.50um
     E  18s     4.00um
                i      16 47.00  13km
                iS     26 18.00
                iPS    27 08.00
KIV     75.30 325 iP   16 44.30  -1.1
     Z  18s     5.45um          5.9Msz
                i      16 53.90  31kmX
                e      19 36.20
                iS     26 22.10
                iSS    31 19.70
```

BOD 75.80 12 iPc 16 46.60 -1.2
1.3s 262.00nm 6.1mb
CSS 75.94 313 eP 16 48.50 -0.6
SVST 76.16 319 eP 16 51.00 0.6
BCAO 76.23 279 iPd 16 51.00 -0.2
1.0s 80 00nm 5.7mb
ic 17 02.00 36kmX
ic 18 01.20
id 19 00.20
PPCY 76.60 313 eP 16 56.00 3.2X
SNA 76.67 200 e(P) 16 52.30 -0.3
1.4s 144.19nm 5.9mb
SOC 76.74 323 iPc+ 16 55.50 2.1
1.2s 220.00nm 6.1mb
Z 20s 10.70um 6.2Msz
N 20s 7.00um
E 18s 2.00um
TRHT 76.97 319 eP 16 54.00 -0.9
KVT 77.46 320 iP 17 01.00 3.5X
SVE 77.49 343 iPc 16 58.00 0.7
2.2s 600.00nm 6.3mb
Z 18s 7.00um 6.0Msz
N 18s 3.50um
E 18s 4.00um
e 19 56.00
eS 26 44.00
ePS 27 40.00
eSS 31 49.00
ARU 77.75 341 eP 16 57.00 -1.7
Z 19s 7.00um 6.0Msz
N 19s 4.50um
E 19s 4.00um
e 17 00.00 10km
e 17 06.00
ePPP 21 46.00
eS 26 46.00
e 27 09.00
eSS 31 55.00
KUR 78.82 36 iPd 17 06.00 1.2
1.0s 380.00nm 6.4mb
eS 27 04.00
BBTK 78.88 317 iPc 17 05.00 -0.5
ANN 78.91 323 eP 17 04.00 -1.3
1.8s 330.00nm 6.1mb
Z 18s 2.50um 5.6Msz
N 18s 3.50um
i 17 14.00 32kmX
e 20 06.00
eS 26 58.00
ELL 79.24 313 iP 17 07.50 0.0
SGKT 79.73 317 eP 17 08.80 -1.4
NAL 80.03 317 eP 17 11.00 -0.7
DVR 80.07 318 eP 17 10.00 -1.8
GYN 80.48 317 eP 17 13.00 -1.1
SIM 80.81 322 eP 17 20.00 4.5X
Z 18s 4.00um 5.8Msz
i 17 25.00 16km
e 20 25.00
eS 27 20.00
eSS 32 46.00
IZI 81.30 316 iP 17 17.80 -0.5
YLV 81.48 316 eP 17 07.70 -11.6X
DST 81.51 315 eP 17 17.40 -2.0
GBZT 81.55 317 eP 17 18.60 -0.9
NPS 81.63 310 eP 17 20.00 0.0
IZM 81.88 314 eP 17 22.30 1.0
ISK 81.94 317 iP 17 20.70 -0.8
ITU 81.99 317 eP 17 23.00 1.3
KCT 82.01 316 iP 17 21.20 -0.7
BNT 82.35 316 eP 17 22.20 -1.5
EDC 82.38 316 eP 17 26.00 2.2
CTT 82.39 317 eP 17 23.20 -0.7
PRK 82.95 314 eP 17 27.00 0.2
YAK 83.16 17 iPd 17 27.00 -0.4
1.5s 259.00nm 6.2mb
Z 18s 9.20um 6.2Msz
N 18s 3.20um
E 18s 6.90um
i 17 29.00 6km
e 22 32.00
e 27 42.00
eS 27 52.00
EZN 83.18 315 eP 17 28.30 0.4
VLI 84.21 311 eP 17 32.00 -1.3
KIS 85.00 322 ePc+ 17 37.00 0.0
i 17 39.00 6km
iS 28 01.00

OBN 85.36 331 eP 17 38.00 -0.6
1.5s 310.00nm 6.3mb
Z 18s 4.00um 5.9Msz
N 18s 1.60um
E 20s 1.60um
eS 28 00.00
BRD 85.37 320 eP 17 34.00 -4.9X
NRI 85.37 358 iPc 17 36.80 -1.5
1.8s 301.00nm 6.2mb
Z 22s 20.00um 6.5Msz
N 22s 2.40um
E 22s 3.10um
e 20 51.00
eS 28 05.00
ISR 85.51 319 eP 17 44.50 4.9X
VRI 85.74 320 ePd 17 40.50 -0.2
MLR 86.05 320 ePc 17 42.00 -0.4
VAY 86.41 315 iP 17 43.20 -0.9
1.4s 102.00nm 5.8mb
i 17 47.40 13km
PTT 86.45 321 eP 17 45.00 0.8
VLS 86.51 311 eP 17 46.00 1.3
SKO 87.45 315 iP 17 50.30 1.1
1.6s 120.00nm 5.9mb
Z 19s 6.68um 6.1Msz
i 17 52.00 5km
i 17 58.10
i 20 24.00
iPP 21 28.70
iSKS 28 20.00
i 29 35.00
i 30 03.00
i 32 46.00
iSS 34 39.00
LR 56 42.00
OHR 87.54 314 iP 17 38.30 -11.4X
SRN 87.61 313 eP 17 52.20 2.3
DEV 88.13 319 ePc 17 55.00 2.7
KKS 88.19 315 eP 17 55.50 2.8
VLO 88.19 313 eP 17 54.20 1.5
TIR 88.28 314 eP 17 52.20 -0.9
BMR 88.54 321 ePc 17 58.00 3.8X
SDA 88.79 314 eP 17 58.00 2.5
BZS 88.84 318 eP 17 53.50 -2.2
PET 88.98 33 eP 17 56.00 -0.1
1.2s 130.00nm 6.1mb
Z 18s 2.50um 5.7Msz
N 20s 4.20um
eS 28 24.00
MGD 89.06 25 iPc+ 17 56.00 -0.4
1.0s 150.00nm 6.2mb
Z 17s 2.70um 5.7MszX
N 17s 2.40um
E 17s 2.10um
i 17 59.00 9km
e 21 24.00
e 28 20.00
eS 28 42.00
ePS 29 42.00
TIM 89.14 318 iPc 18 01.00 3.9X
LVV 89.16 323 eP 18 00.00 2.8
Z 18s 4.50um 5.9Msz
iS 28 31.00
BEO 89.26 317 eP 17 56.00 -1.7
UZH 89.68 321 eP 18 04.00 4.4X
1.2s 85.00nm 5.9mb
Z 19s 4.00um 5.9Msz
N 19s 2.50um
E 19s 3.50um
e 28 30.00
iS 28 50.00
ePS 29 59.00
eSSS 38 20.00
SOI 89.79 310 P 18 03.90 3.6X
ROI 89.94 311 P 18 03.80 2.7
TDS 90.14 311 P 18 06.60 4.6X
ORI 90.21 312 P 18 07.10 4.8X
CSI 90.22 311 P 18 05.40 3.0X
PUL 90.79 333 eP 18 08.00 3.5X
Z 22s 4.80um 5.9Msz
N 22s 0.70um
E 22s 4.00um
e 21 44.00
e 28 38.00
eS 28 56.00
eSS 35 08.00
PSZ 90.85 320 eP 18 06.80 1.6

SPC 91.14 321 eP 18 05.50 -1.1
i 18 09.70 13km
UZD 91.16 318 e(P) 18 07.00 0.5
SRO 91.79 319 eP 18 12.00 2.7
i 18 19.90 25kmX
i 18 53.70
e 19 46.30
i 21 18.60
OJC 91.81 322 eP 18 10.00 0.6
1.5s 189.00nm 6.2mb
Z 17s 3.30um 5.8MszX
N 17s 3.00um
E 17s 3.00um
i 18 20.40 32kmX
i 22 00.00
eS 28 56.00
ZAG 92.56 317 ePc 18 11.70 -1.2
PTJ 92.60 317 eP 18 09.70 -3.6X
ZST 92.69 320 eP 18 17.70 4.2X
i 18 23.40 18km
VBY 92.93 317 ePc 18 18.10 3.4X
e 18 25.00 22km
ePP 22 08.60
AOU 93.15 313 P 18 20.60 4.8X
VKA 93.20 319 eP 18 05.00 -10.9X
3.0s 336.00nm
Z 17s 1.90um 5.6MszX
e 18 22.00 59kmX
i 18 29.20
LR 02 35.00
CEY 93.56 317 e(P) 18 21.00 3.4X
LJU 93.59 317 e(P) 18 20.00 2.3
e 22 15.00
eSKS 28 46.00
NUR 93.63 333 eP 18 20.00 2.5
ARV 93.83 314 P 18 22.50 3.6X
APA 93.88 341 iPc 18 21.60 3.0X
VOY 94.00 317 e(P) 18 17.00 -2.7
KSP 94.12 322 eP 18 21.00 1.0
e 18 23.70 8km
ePP 22 20.00
KMR 94.51 319 e(P) 18 27.00 5.1X
e(PP) 22 20.00
KBA 94.70 318 iPd 18 17.80 -5.2X
1.2s 10.40nm 5.1mb
i 18 25.90 25kmX
i 18 39.90
SFI 94.72 314 P 18 26.60 3.7X
PRU 94.89 321 eP 18 27.20 3.6X
2.2s 45.70nm 5.5mb
Z 18s 3.60um 5.9Msz
N 17s 1.90um
E 18s 2.00um
e 18 51.80 91kmX
e 22 00.00
PP 22 18.00
SKS 29 05.00
eSS 36 10.00
FVI 94.91 317 P 18 24.40 0.7
GEC2 95.04 319 eP 18 22.80 -1.6
0.9s 3.54nm 4.8mb X
KHC 95.20 320 eP 18 26.50 1.4
1.6s 31.50nm 5.5mb
Z 18s 3.00um 5.8Msz
N 18s 1.50um
E 18s 2.50um
e 18 28.60 7km
e 18 34.50
PP 22 20.00
eSKS 29 04.00
CTI 95.49 316 P 18 29.70 3.1X
BRG 95.54 321 eP 18 30.00 3.5X
2.0s 44.00nm 5.6mb
Z 18s 2.50um 5.7Msz
N 18s 2.00um
E 18s 2.50um
e 18 36.50 20km
e 21 36.00
eSKS 29 12.00
eS 29 44.00
WET 95.64 319 eP 18 30.30 3.2X
CLL 96.24 322 eP 18 29.00 -0.7
1.4s 14.00nm 5.3mb
Z 18s 2.50um 5.7Msz
eSKS 29 06.00
UPP 96.59 331 iP 18 33.10 2.1
GRF 96.84 320 eP 18 36.40 3.9X

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02d  21h

      Z  19s      3.00um            5.8Msz
                  e(PP) 22 36.30
MOX     96.87 321 eP     18 36.40    3.8X
      Z  18s      1.60um            5.5Msz
      N  21s      1.90um
      E  19s      0 80um
KEV     97.01 341 eP     18 31.00   -1.8
      Z  20s      6.40um            6.1Msz
                  LR     03 20.00
HFS     98.54 330 eP     18 42.40    2.5
        1.0s      6.40nm            5.2mb
LPG     98.64 315 eP     18 42.70    1.6
LPL     98.66 315 eP     18 42.90    1.8
        0.9s      8.20nm            5.3mb
CDF     99.00 318 eP     18 44.20    1.8
        1.4s     16.55nm            5.5mb
KIC     99.00 274 P      18 44.10    1.1
LIC     99.24 274 P      18 46.70    2.6
TIC     99.35 274 P      18 46.50    1.9
NB2     99.97 331 P      18 48.80    2.3
        1.1s      3.70nm            4.8mb X
LBF    100.85 316 ePdiff18 52.70    1.9
        1.1s      7.35nm            5.2mb
SMF    100.88 315 ePdiff18 52.90    2.0
LOR    100.99 316 ePdiff18 53.40    2.0
        1.0s      6.20nm            5.1mb
      Z  22s      3.60um            5.8Msz
SSF    101.19 316 ePdiff18 54.20    2.0
        1.2s     11.60nm            5.3mb
AVF    101.23 316 ePdiff18 54.30    1.9
        1.5s     17.25nm            5.4mb
BGF    101.53 315 ePdiff18 56.10    2.3X
        1.2s     18.45nm            5.6mb
BTH    103.04 311 ePdiff19 12.00   11.4X
                  e      23 16.00
                  ePP    23 24.00
                  ePS    32 40.00
MFF    103.57 315 ePdiff19 05.00    2.2X
        1.3s     10.10nm            5.4mb
ILT    104.23  23 ePdiff19 05.00   -0.2
                  eS     29 44.00
SDN    112.59  36 PKP    23 50.00   11.9X
      Z  20s      2.38um            5.8Msz
MON    113.20  73 PKP    23 50.00    9.7X
      Z  20s      1.42um            5.6Msz
TTA    113.84  28 ePKP   23 39.56   -1.0
IMA    114.10  24 ePKP   23 39.58   -1.5
SVW    114.38  30 ePKP   23 41.01   -0.6
REF    115.91  30 ePKP   23 42.80   -1.9
CRP    115.98  29 (PKP)  23 42.99   -1.8
SLKM   117.09  30 ePKP   23 45.15   -1.6
PMR    117.29  28 ePKP   23 44.77   -2.2X
      Z  20s      1.93um            5.7Msz
MBC    117.57   8 ePKP   23 46.50   -0.7
        1.0s      6.00nm
KLU    118.78  28 ePKP   23 48.92   -1.1
BALM   120.55  28 ePKP   23 52.86   -0.5
GDH    122.91 346 ePKP   23 48.00   -9.4X
                  e      23 56.00
                  e      25 30.00
                  e      35 32.00
                  e      42 18.00
PDCR   124.61 242 (PKP)  24 05.00    2.6X
VAO    124.69 226 (PKP)  23 58.00   -4.5X
YKA    129.84  16 ePKP   24 01.80   -9.2X
        1.1s     11.40nm
MCW    136.41  34 ePKP   24 19.74   -4.3X
GMW    137.09  35 ePKP   24 24.90   -0.4
RMW    137.68  35 ePKP   24 25.53   -1.0
LON    138.09  36 ePKP   24 19.39   -7.9X
SHW    138.16  37 ePKP   24 28.91    1.4
SIV    138.99 220 PKP    24 25.00   -4.7X
DPW    139.34  32 ePKP   24 29.00   -0.5
SES    140.78  24 ePKP   24 23.00   -9.0X
        1.1s     60.00nm
LBFM   140.94  43 ePKP   24 25.03   -7.8X
ORV    142.06  45 ePKP   24 28.95   -5.6X
LPB    142.49 211 PKP    24 37.40    0.9
        1.2s    162.50nm
ZOBO   142.71 211 PKP    24 32.80   -4.3X
        1.1s     99.19nm
                  LR     12 20.00
ARN    143.04  48 ePKP   24 31.64   -4.7X
LRM    143.62  30 ePKP   24 33.80   -3.6X
PHAM   144.50  50 ePKP   24 37.98   -0.9
PKEM   144.62  50 ePKP   24 38.70   -0.3
HPI    144.78  33 ePKP   24 38.59   -0.9
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LMN    144.97 332 ePKPd  24 39.50    0.2
ULM    145.25  10 ePKPc  24 38.90   -0.7
PTI    145.74  34 ePKP   24 41.72    0.8
ABL    145.79  51 ePKP   24 41.82    0.5
HVU    146.25  36 ePKP   24 42.29    0.5
SSK    147.20  51 ePKP   24 44.56    1.0
MIM    147.23 336 ePKP   24 43.38    0.4
DUG    147.26  38 ePKP   24 44.26    0.8
PEC    147.74  51 (PKP)  24 45.25    1.0
DAU    148.02  36 ePKP   24 45.54    0.6
PLM    148.20  52 ePKP   24 45.82    0.6
ARUT   148.35  42 ePKP   24 46.34    1.0
BNH    148.62 338 (PKP)  24 44.38   -0.9
EMUT   148.67  36 ePKP   24 46.41    0.5
MSU    148.71  40 ePKP   24 46.65    0.7
EEO    148.85 349 ePKP   24 49.50    3.9X
SRU    149.31  37 ePKP   24 47.18    0.4
GLA    149.86  51 ePKP   24 49.09    1.5
HRV    150.51 336 ePKP   24 47.90   -0.3
      Z  20s      2.50um            6.0Msz
WLVO   151.32 347 PKP    24 54.92    5.6X
GOL    151.65  31 ePKP   24 50.93    0.5
      Z  22s      2.12um            5.9Msz
ACTO   151.96 349 PKP    24 56.25    5.9X
STCO   152.17 347 PKP    24 56.75    6.1X
TYNO   152.42 348 PKP    24 57.25    6.2X
ELF    152.58 351 PKP    24 54.85    3.6X
TXNY   152.64 338 iPKP   24 55.30    3.9X
TBR    152.69 338 ePKP   24 51.03   -0.4
LDN    152.71 350 PKP    24 54.90    3.5X
PNJ    152.87 338 e(PKP)24 52.10    0.4
                  i      24 55.00
                  i      24 59.10
                  (pP)   25 06.80
DLA    152.94 351 PKP    24 55.25    3.5X
LVNJ   153.17 339 (PKP)  24 52.76    0.6
ALO    154.51  39 ePKP   24 55.50    1.1
      Z  20s      0.61um            5.4Msz
PAG    155.52 273 ePKP   25 00.00    3.9X
CBN    156.39 340 ePKP   25 00.00    3.4X
                  e      25 27.00
                  e      25 44.00
                  e      29 02.00
NA2    156.58 341 ePKP   24 55.98   -0.8
ACO    156.92  25 iPKPc  24 57.90    0.5
CVL    156.93 342 ePKP   24 56.52   -0.8
SLM    157.42   6 PKP    25 10.00   12.1X
      Z  20s      3.41um            6.2Msz
CCM    157.87   9 PKP    25 10.00   11.6X
      Z  19s      0.19um            5.0Msz
FVM    158.05   7 ePKP   24 59.01    0.3
NAV    158.17 346 ePKP   24 58.82   -0.1
OCO    158.60  24 iPKPd  25 02.50    3.1X
MEO    158.79  27 iPKPd  25 00.00    0.4
LNO    158.85  20 ePKP   25 00.10    0.6
                  e      25 03.50
TUL    158.85  20 ePKP   24 59.50   -0.1
        1.0s     23.40nm
RLO    158.86  18 ePKP   24 59.80    0.2
                  e      25 03.40
FNO    158.87  24 e(PKP)25 04.10    4.4X
CEH    159.05 341 ePKP   24 51.27   -8.5X
      Z  20s      2.91um            6.1Msz
VVO    159.40  20 ePKP   25 00.20    0.0
                  e      25 04.30
OLY    160.33  11 ePKP   25 01.10   -0.1
LHS    160.87 344 ePKP   25 01.80    0.0
UYO    160.88  19 iPKPd  25 02.30    0.5
JSC    161.17 345 ePKP   25 02.17    0.1
PWLA   161.22   2 ePKP   25 02.70    0.6
PRM    161.62 347 ePKP   25 03.04    0.5
HBF    162.19 341 (PKP)  25 02.56   -0.6
MRX    166.18  73 (PKP)  25 12.00    4.9X
III    168.03  78 (PKP)  25 10.00    1.2
IISM   169.85  72 (PKP)  25 11.00    1.4
OXX    170.78  83 (PKP)  25 17.00    6.6X
      S.D. = 1.2  on 275 of 360 obs.
----------------------------------------
    JUN 02, 1992  21h 09m 23.80± 0.80s
   43.464 N ± 5.5km    5.430 E ± 6.3km
   DEPTH =  10.0km  (geophysicist)
  NEAR SOUTH COAST OF FRANCE        (379)
      ML 3.1 (STR).

GELF     0.08 181 Pg     09 25.69   -0.6
TREF     0.16 348 Pg     09 27.34   -0.2
PUYF     0.21  71 Pg     09 27.49   -0.9
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BERF     0.24 128 Pg     09 28.70   -0.3
CDR      0.32  49 ePgc   09 28.60   -1.9
                  i      09 33.40
PRAF     0.39 331 Pg     09 32.25    0.5
VILF     0.44  28 Pg     09 32.58   -0.2
TAVF     0.48  71 Pg     09 33.14   -0.5
CALN     1.10  74 Pg     09 46.33    1.8
                  Sg     10 00.75
TOUF     1.43  67 Pn     09 50.47    0.5
                  Sg     10 11.32
REVF     1.43  78 Pn     09 50.47    0.6
                  Sg     10 10.86
AURF     1.44  72 Pn     09 50.86    0.8
                  Sg     10 11.32
AUTN     1.54  69 Pn     09 52.05    0.5
                  Sg     10 14.74
AYN     28.47 111 ePd    15 20.60   -0.3
      S.D. = 1.0  on  14 of  14 obs.
----------------------------------------
 ?  JUN 02, 1992  21h 41m 04.67± 5.81s
   11.083 S ±44.7km  114.931 E ±51.8km
   DEPTH =  33.0km  (normal)
   4.6mb (  2 obs.)
 SOUTH OF BALI, INDONESIA           (284)

MBL     11.07 155 eP     43 44.00    0.2
        0.2s      4.00nm            5.3mb X
                  eS     45 53.00
NANU    11.43 177 eP     43 48.00   -0.7
        0.2s      5.00nm            5.4mb X
                  eS     46 02.00
MRWA    18.07 177 eP     45 18.00    3.1X
                  eS     48 36.00
WARB    18.65 145 eP     45 25.70    3.6X
COOL    20.53 165 eP     45 44.00    1.0
                  eS     49 35.00
WB2     20.67 118 eP     45 44.40   -0.1
        0.5s      9.10nm            4.4mb
STK     32.15 134 eP     47 31.10   -0.4
        0.5s      5.50nm            4.7mb
ZOBO   152.64 174 PKP    01 04.80   11.0X
      S.D. = 0.9  on   5 of   8 obs.
----------------------------------------
    JUN 02, 1992  22h 07m 45.37± 0.13s
   28.984 N ± 3.7km   81.913 E ± 2.2km
   DEPTH =  56.3km  ( 38 depth phases)
   5.2mb ( 88 obs.)
 NEPAL-INDIA BORDER REGION          (309)

GKN      2.59 112 Pc     08 26.60    0.8
DMN      3.13 115 Pc     08 33.60    0.0
KKN      3.20 111 Pc     08 34.60    0.1
PKI      3.39 114 Pc     08 36.80   -0.5
GUN      3.65 106 Pc     08 40.40   -0.6
NDI      4.13 267 iPnd   08 47.00   -0.4
LSA      8.09  83 P      09 44.00    0.7
      N  10s      3.36um
KSH     11.54 336 P      10 28.30   -1.6
        0.5s     60.00nm            5.9mb
                  S      12 31.20
HYB     11.92 196 iPc    10 30.00   -5.0X
        0.7s    282.10nm            6.4mb X
                  i      10 43.00
                  iS     12 33.50
POO     12.75 217 iPd    10 49.20    3.2X
        0.9s    344.54nm            6.3mb X
                  iS     13 01.50
QUE     13.08 279 iPd    10 45.90   -4.6X
        1.2s    170.31nm            5.8mb
                  eS     13 03.40
WMQ     15.51  16 P      11 20.00   -2.0
        1.0s    110.00nm            5.0mb
                  sP     11 34.00
GTA     18.06  50 eP     11 52.20   -1.8
        1.0s     95.00nm            4.9mb
      Z  27s      2.53um            4.8MszX
      N  11s      1.74um
                  sP     12 07.00
                  PP     12 10.00
                  S      15 10.00
                  sS     15 26.00
                  ScP    19 55.50
                  ScS    23 35.50
CHG     18.55 119 eP     11 57.80   -2.1
KMI     18.94  97 iPc    12 04.00   -0.9
        1.0s    420.00nm            5.6mb
      N  12s      0.60um
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     E  12s     0.70um
                pP    12 14.00
                eS    15 33.00
CD2    19.03  79 eP   12 04.20  -1.4
       0.6s   320.00nm        5.7mb
     Z  24s     3.21um        4.9MszX
     N  11s     4.26um
                S     15 32.00
                sS    15 47.00
LZH    19.78  63 Pc   12 13.00  -0.8
       1.5s   380.00nm        5.5mb
                S     15 47.00
                PcS   20 04.00
MAIO   20.21 297 iPc  12 17.80  -0.5
       1.2s    79.86nm        4.9mb
KHT    20.92 129 eP   12 25.55   0.1
NST    21.40 124 eP   12 32.00   1.7
GYA    22.05  91 P    12 36.80  -0.1
       1.0s   260.00nm        5.6mb
     Z  20s     2.75um        4.7Msz
                S     16 32.00
NNT    23.26 131 iPc  12 50.60   1.9
XAN    23.54  71 P    12 51.00  -0.3
       1.0s   140.00nm        5.4mb
     N  11s     2.10um
     E  11s     1.12um
                pP    12 58.00  25kmX
                S     17 04.00
SHI    25.61 279 eP   13 12.00   0.7
BTO    25.72  56 iPd  13 13.00   0.9
       0.9s   140.00nm        5.5mb
     N  15s     1.10um
     E  14s     0.83um
                ePP   13 56.00
                S     17 37.00
TEH    26.58 293 e(P) 13 35.00  14.8X
TIY    26.85  63 eP   13 23.00   0.5
       0.8s    43.00nm        5.1mb
     Z  24s     2.20um        4.6MszX
                pP    13 36.50  55km
                S     17 54.00
                sS    18 06.50
HHC    26.91  56 Pc   13 24.50   1.4
       1.2s   110.00nm        5.3mb
     Z  18s     1.81um        4.7Msz
     E  10s     0.38um
                pP    13 37.40  51km
                SS    19 14.00
OIZ    27.31 105 eP   13 25.00  -1.8
       0.8s    43.00nm        5.1mb
     N  13s     1.30um
SNG    27.96 137 eP   13 33.00   0.4
WHN    28.15  79 Pd   13 35.00   0.7
       0.8s    42.00nm        5.1mb
     Z  20s     3.13um        4.9Msz
     E  19s     2.82um
                pP    13 47.50  49km
                S     18 16.00
GZH    28.79  94 Pc   13 39.60  -0.5
HKC    29.77  95 eP   13 49.00   0.1
BJI    30.14  59 eP   13 53.00   1.0
       0.9s   150.00nm        5.7mb
     Z  20s     1.20um        4.5Msz
     N  11s     0.95um
                eS    18 47.00
                eScP  20 28.00
IPM    30.29 140 ePc  13 55.50   1.9
       0.5s    13.50nm        4.9mb
TIA    30.41  67 Pd   13 54.80   0.4
RYD    31.71 271 ePd  14 08.50   2.4
NJ2    31.87  75 Pc   14 08.20   0.9
       1.0s    36.00nm        5.1mb
                sP    14 22.60
QZH    32.85  88 P    14 16.10   0.2
       0.8s    43.00nm        5.3mb
KGM    33.69 139 ePc  14 24.30   1.0
SSE    33.95  77 iPc  14 26.50   1.2
       1.0s   180.00nm        5.9mb
     Z  20s     2.30um        4.9Msz
     N  12s     0.30um
     E  10s     0.30um
                sP    14 41.00
                eS    19 48.00
                sS    20 06.00
DL2    34.17  63 Pc   14 28.00   0.8
       1.0s   250.00nm        6.1mb
BISH   36.74 265 ePd  14 52.30   3.0X
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CN2    37.59  55 P    14 57.30   1.2
       1.2s   150.00nm        5.8mb
     Z  20s     1.51um        4.8Msz
     N  12s     0.79um
     E  12s     0.38um
                epP   15 11.00  53km
                eS    20 40.00
GAZ    38.05 294 eP   15 01.00   1.0
SVST   38.29 298 eP   15 03.50   1.3
TRHT   38.90 299 eP   15 08.00   0.7
TGY    39.00 104 ePd  15 11.00   2.9X
PPR    39.41 111 ePc  15 11.50   0.0
HRI    39.51 288 eP   15 12.80   0.4
SHMJ   39.56 287 P    15 14.09   1.4
KKM    39.63 119 ePc  15 15.20   1.7
       0.6s    30.10nm        5.3mb
SALJ   39.72 286 P    15 15.80   1.7
MASJ   39.73 286 P    15 15.97   1.8
AYN    39.99 281 ePd  15 20.00   3.8X
WAJH   40.11 277 eP   15 21.00   3.7X
NAQJ   40.19 283 P    15 19.71   1.8
ZNT    40.23 287 eP   15 19.30   1.0
MDJ    40.65  54 eP   15 22.50   1.0
HOL    40.72 282 eP   15 25.00   2.8
MBH    40.77 283 eP   15 22.60  -0.2
CSS    41.32 291 eP   15 28.00   0.9
OBN    41.53 322 eP   15 30.00   1.5
       1.2s   120.00nm        5.5mb
                i     15 45.00  58km
                e     17 07.00
                e     21 39.00
                e     22 02.00
KUMJ   41.89  72 P    15 33.00   1.2
SHNJ   41.91  70 P    15 33.40   1.4
TSM    42.01 119 ePc  15 33.90   1.0
SGKT   42.05 300 iP   15 34.20   0.9
DVR    42.09 300 eP   15 34.40   1.0
PPCY   42.13 291 eP   15 23.50 -10.3X
KAGJ   42.16  74 eP   15 34.80   0.7
NAL    42.63 299 eP   15 39.70   1.8
HRT    43.86 300 iP   15 48.20   0.4
PLP    43.87 105 ePc  15 47.00  -1.1
ELL    43.91 294 iP   15 49.50   1.1
IZI    44.02 299 iP   15 48.80  -0.4
YLV    44.09 300 eP   15 49.70  -0.1
KCT    44.88 299 iP   15 56.20   0.2
BNT    45.21 299 eP   15 59.20   0.6
DMK    45.27 301 iP   15 59.50   0.4
VRI    46.02 307 ePc  16 06.50   1.5
ISR    46.14 306 eP   16 09.00   3.1X
BIP    46.47 107 ePc  16 10.00   1.3
PRK    46.55 298 eP   16 10.00   0.8
                e     16 24.80  57km
MLR    46.56 307 iPd  16 11.00   1.6
MTMJ   47.04  66 P    16 14.00   0.8
CMP    47.20 306 ePc  16 15.00   0.7
MAT    47.37  66 iPd  16 15.60  -0.1
       1.3s    26.92nm        5.0mb
NPS    47.56 293 eP   16 18.00   0.8
TNR    47.74 307 ePc  16 15.00  -3.5X
CHJJ   48.07  66 P    16 21.50   0.3
BMR    48.28 310 ePc  16 25.00   2.3
MRRJ   48.96  57 eP   16 28.10   0.2
VAY    49.19 301 iP   16 29.50  -0.2
                i     16 44.50  57km
NUR    49.20 327 eP   16 30.00   0.5
VLI    49.47 295 eP   16 30.70  -1.3
                e     16 46.00  59km
BZS    49.60 307 eP   16 32.00  -0.8
OFUJ   49.75  62 eP   16 33.70  -0.4
KZN    49.90 300 iPd  16 35.50   0.2
                e     16 50.00  55km
SKO    49.97 302 iP   16 35.50  -0.2
       1.0s   123.00nm        5.9mb
                i     16 50.60  58km
ASAJ   49.99  55 eP   16 35.80   0.0
SPC    50.46 312 iP   16 39.40  -0.2
                i     16 55.40  62km
OHR    50.54 301 eP   16 38.50  -1.6
HOOJ   50.60  57 eP   16 40.80   0.4
PSZ    50.71 310 eP   16 42.10   0.7
OJC    50.75 313 eP   16 41.70   0.2
                e     16 47.50  19kmX
                i     16 58.30
VLS    51.09 297 eP   16 43.00  -1.3
                e     16 57.50  55km
KEV    51.15 339 eP   16 44.00  -0.3
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       0.6s    22.20nm        5.4mb
KUSJ   51.57  56 P    16 47.30  -0.5
UZD    51.66 308 eP   16 48.60   0.1
SRO    51.78 310 iP   16 50.10   0.8
                i     17 05.60  59km
UPP    52.55 325 iP   16 55.20   0.3
ZST    52.57 310 eP   16 55.20  -0.1
                e     17 09.60  54km
KSP    52.98 314 eP   16 58.40   0.1
       1.4s    74.00nm        5.5mb
                e     17 12.30  51km
VKA    53.09 310 iPc  17 13.20  14.1X
       2.0s   209.00nm
                i     17 20.70  25kmX
HVAR   53.50 304 iP   17 01.50  -0.7
ZAG    53.52 307 eP   17 03.00   0.7
PTJ    53.53 308 eP   17 02.20  -0.3
ROI    53.96 300 P    17 06.20   0.6
ORI    53.97 300 P    17 20.90  15.3X
VBY    54.07 307 eP   17 07.30   1.0
                i(SP) 17 22.10
TDS    54.12 300 P    17 20.60  13.8X
PRU    54.14 313 P    17 07.00   0.2
     Z  18s     0.40um        4.5Msz
     N  18s     0.80um
     E  18s     0.40um
                e     17 12.70  19kmX
                e     17 20.00
BRG    54.46 314 iP   17 09.40   0.2
       1.8s    80.00nm        5.4mb
                i     17 23.60  52km
                e     18 28.30
                e     19 35.70
LJU    54.51 308 eP   17 10.00   0.4
                e     17 24.00  51km
HFS    54.54 325 eP   17 09.20  -0.4
       0.6s    36.40nm        5.6mb
     Z  18s     0.82um        4.8Msz
                LR    40 11.00
CEY    54.62 307 eP   17 10.40   0.0
                i     17 25.90  58km
MGR    54.63 301 P    17 25.00  14.5X
SOI    54.63 298 P    17 23.50  13.0X
SGO    54.74 301 P    17 26.30  15.0X
GEC2   54.78 311 Pd   17 11.00  -0.6
       0.7s     4.03nm        4.6mb
KHC    54.83 312 P    17 12.30   0.3
       1.2s    16.00nm        4.9mb
                e     17 27.50  57km
                e     19 12.50
                e     40 35.50
                Sg    40 54.50
VOY    54.95 308 eP   17 12.60  -0.3
                e     17 27.90  57km
CLL    55.03 314 i(P)c 17 27.40 14.1X
       1.9s    58.00nm
ATN    55.07 298 P    17 26.10  12.3X
TRI    55.08 308 eP   17 13.00  -0.7
                e     17 28.40  58km
KBA    55.20 309 iP   17 14.30  -0.5
       0.7s    22.20nm        5.3mb
                i     17 20.00  19kmX
                i     17 28.50
                i     17 39.80
WET    55.29 312 iPc  17 15.90   0.7
BHG    55.44 310 iPc  17 16.60   0.3
FVI    55.64 309 P    17 17.10  -0.6
SDI    55.65 303 P    17 27.90  10.0X
PZI    55.73 297 P    17 33.65  15.1X
       1.0s   115.20nm
NB2    55.80 326 P    17 18.00  -0.8
       0.7s    11.20nm        5.0mb
AQU    55.84 304 P    17 19.80   0.5
MOX    55.96 314 eP   17 20.40   0.4
                e     17 35.30  55km
ARV    55.98 305 P    17 20.30   0.0
ASS    56.26 305 P    17 23.50   1.2
GRF    56.31 313 eP   17 23.40   0.9
     Z  18s     1.00um        5.0Msz
                e     17 31.00  25kmX
                e     17 37.60
WTTA   56.33 310 iPd  17 22.00  -1.0
       0.7s    14.20nm        5.1mb
                i     17 37.20  57km
CTI    56.50 308 P    17 23.30  -0.7
KONO   56.60 325 eP   17 23.90  -0.6
CRE    56.67 305 P    17 32.90   7.6X
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02d 22h

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FIR     57.14 306 e(P)   17 39.00  10.6X
OSS     57.43 309 ePc    17 30.50  -0.2
MME     57.46 306 P      17 31.70   0.7
BDI     57.56 306 P      17 40.20   8.7X
MDI     57 88 308 P      17 40.60   7.1X
LLS     58.18 309 ePc    17 36.30   0.4
BOB     58.24 307 P      17 36.30   0.1
TMA     58.39 309 ePc    17 36.20  -1.2
FEL     58.67 311 P      17 38.03  -1.2
FOO     58.76 327 eP     17 56.65  17.1X
WTS     58.79 316 e(P)   17 52.00  12.1X
        0.7s    26.00nm
                e        20 06.00 743kmX
FRO     58.83 327 eP     17 56.71  16.7X
WLS     59.01 311 P      17 41.43  -0.1
MMK     59.03 309 ePd    17 41.80  -0.1
CDF     59.06 311 P      17 41.01  -0.9
BBS     59.07 310 P      17 41.32  -0.7
ECH     59.17 311 P      17 42.14  -0.5
FIN     59.22 307 P      17 43.67   0.7
MOF     59.25 311 P      17 42.40  -0.9
DIX     59.40 309 ePc    17 44.70   0.2
ROB     59.44 307 P      17 42.85  -1.7
BSF     59.48 311 eP     17 44.30  -0.6
        0.7s    12.90nm          5.2mb
IMI     59.51 306 P      17 42.54  -2.5
ENN     59.53 314 e(P)   17 59.00  14.0X
        1.0s    19.00nm
                e        20 13.00 737kmX
RSP     59.69 308 P      17 44.28  -2.1
LSD     59.70 308 P      17 46.64   0.1
EMS     59.73 309 ePc    17 46.40  -0.3
HAU     59.74 311 eP     17 46.00  -0.6
        0.6s     8.75nm          5.1mb
ENR     59.77 307 P      17 46.43  -0.4
DOI     59.83 307 P      18 01.10  13.8X
STV     59.83 307 P      17 47.46   0.2
SBF     59.84 306 eP     17 46.90  -0.4
        0.6s    13.25nm          5.2mb
PZZ     59.93 307 P      17 45.51  -2.5
LPG     59.97 308 eP     17 48.30  -0.1
        0.6s    12.80nm          5.2mb
LPL     59.98 308 eP     17 48.30  -0.1
        0.7s    24.25nm          5.4mb
RRL     60.07 308 P      17 48.18  -0.9
FRF     60.46 306 eP     17 50.90  -0.6
        0.7s    10.45nm          5.1mb
LMR     60.61 306 eP     17 51.80  -0.7
        0.3s     2.95nm          4.9mb
NANU    60.62 144 iPd    17 51.70  -1.1
LRG     60.69 306 eP     17 52.70  -0.3
        0.6s     6.30nm          4.9mb
LBF     61.53 310 eP     17 57.60  -1.2
        0.7s     4.50nm          4.7mb
LOR     61.54 311 eP     17 57.70  -1.1
        0.9s     4.10nm          4.6mb
SMF     61.70 310 eP     17 59.00  -0.8
        0.9s     9.65nm          4.9mb
SSF     61.82 311 eP     18 00.00  -0.7
        0.8s     9.25nm          5.0mb
MBL     61.83 139 eP     17 59.00  -2.0
AVF     61.99 310 eP     18 00.90  -0.9
        0.7s     4.30nm          4.7mb
AGO     62.31 310 P      18 03.94   0.0
BGF     62.38 310 eP     18 03.60  -0.8
        0.7s     3.75nm          4.6mb
LBL     62.43 309 P      18 03.82  -1.0
PYM     62.47 309 P      18 04.78  -0.3
MAF     62.65 310 eP     18 05.00  -1.2
        0.6s     3.05nm          4.6mb
TCF     62.88 310 eP     18 07.50  -0.2
        0.7s     5.75nm          4.8mb
CAF     63.32 309 eP     18 10.60  -0.1
        0.8s     3.75nm          4.5mb
CLK     63.46 232 iPc    18 12.00   0.0
ESY     63.55 321 ePd    18 20.00   8.0X
        0.7s    34.00nm          5.5mb
RJF     63.60 309 eP     18 12.50   0.0
        0.9s     5.40nm          4.6mb
EBL     63.82 321 ePd    18 26.60  12.9X
LDF     63.83 313 eP     18 12.20  -1.7
        0.9s     4.90nm          4.5mb
EBH     63.96 322 ePd    18 26.50  11.8X
        0.9s    32.00nm
EKA     63.98 321 Pc     18 14.50  -0.3
        0.7s     6.90nm          4.8mb
LPO     63.99 308 eP     18 14.80  -0.2
        0.7s     3.30nm          4.4mb
FLN     64.01 313 eP     18 13.40  -1.7
        0.9s     4.40nm          4.5mb
ELO     64.02 322 ePd    18 27.50  12.4X
        0.9s    24.00nm
EAU     64.02 321 ePd    18 28.10  13.0X
        0.7s    30.00nm
LFF     64.22 309 eP     18 16.40  -0.1
        1.0s    10.60nm          4.8mb
GRR     64.35 313 eP     18 16.40  -0.9
        1.0s     5.40nm          4.5mb
MFF     64.37 311 eP     18 16.60  -0.9
        0.6s     3.70nm          4.6mb
LPF     64.57 312 eP     18 17.90  -0.8
        1.0s     4.60nm          4.4mb
BCAO    64.63 261 iPd    18 18.00  -1.7
        0.2s    58.00nm          6.2mb X
                ic       18 33.00  54km
                id       19 00.00
BTH     65.40 307 eP     18 42.00  17.8X
                PcP      18 47.00 173kmX
                i        19 23.00
                eS       26 40.00
MRWA    66.41 148 eP     18 29.40  -1.3
        0.7s    27.00nm          5.4mb
ETA     66.42 318 eP     18 45.70  15.1X
DLF     66.43 319 eP     18 46.40  15.8X
DMU     66.47 320 eP     18 45.90  15.0X
ECP     66.67 318 eP     18 46.30  14.2X
DCN     66.84 319 eP     18 46.00  12.8X
ECB     66.86 318 eP     18 48.90  15.6X
BAL     67.91 148 eP     18 38.30  -1.9
KRI     68.01 235 iPc    18 40.70  -0.6
MUN     68.83 149 eP     18 44.50  -1.4
KLB     69.22 148 eP     18 46.30  -2.0
WARB    69.65 138 eP     18 50.00  -1.0
NWAO    70.10 149 eP     18 52.40  -1.2
        0.6s    15.00nm          5.1mb
WRA     70.18 128 P      18 53.70  -0.7
        0.6s    16.50nm          5.1mb
WB2     70.18 128 iPc    18 53.50  -0.9
        0.7s    54.90nm          5.6mb
COOL    70.29 145 eP     18 53.00  -1.9
BUL     70.92 233 iPc    18 58.00  -1.0
                i        19 13.00  54km
NKM     71.84 301 eP     19 09.00   4.8X
                i        19 19.50  34kmX
                i        19 22.00
BRW     71.98  17 eP     19 04.17  -0.3
                epP      19 20.16  58km
IFR     72.38 299 eP     19 25.00  17.3X
ASPA    72.41 131 iPd    19 06.90  -0.8
        0.9s    68.80nm          5.6mb
                e        19 22.60  56km
ANM     73.22  25 eP     19 11.24  -0.6
BFT     73.72 228 eP     19 18.00   2.4
MBC     74.18   5 eP     19 33.00  15.8X
        1.0s    67.00nm
MBC     74.18   5 eP     19 17.50   0.3
        0.9s    20.00nm          5.0mb
AVE     74.21 300 eP     19 16.50  -1.7
                i        19 34.00  64km
OIS     74.30 125 iPd    19 18.20  -0.6
        0.8s    24.00nm          5.2mb
SLR     74.91 229 iPc    19 22.50   0.2
        1.0s    32.00nm          5.2mb
TIO     75.09 297 iP     19 24.50   1.1
                i        19 40.00  55km
KSR     75.91 230 eP     19 22.50  -5.6X
        0.7s    13.50nm          5.0mb
IMA     76.22  20 eP     19 28.65  -0.6
        0.9s    19.00nm          5.0mb
                epP      19 45.02  59km
PRY     76.25 228 iPd    19 29.20  -0.7
        0.7s    10.00nm          4.9mb
GDH     76.83 345 eP     19 27.00  -5.3X
                e        20 07.00 163kmX
SEK     77.09 227 iPd    19 34.70   0.1
        0.8s    48.51nm          5.6mb
TTA     77.54  23 eP     19 36.96   0.5
        1.1s    28.61nm          5.2mb
                epP      19 53.03  57km
BLF     78.55 228 iPd    19 42.60   0.0
        0.8s    25.00nm          5.2mb
FBA     78.79  19 eP     19 43.87   0.6
        0.8s    43.23nm          5.4mb
                epP      19 59.32  55km
SVW     78.87  25 eP     19 45.04   1.3
        1.0s    20.50nm          5.0mb
                epP      20 01.25  58km
CRP     80.00  23 eP     19 50.13   0.1
                epP      20 07.50  63km
REF     80.35  24 eP     19 53.24   1.3
PMR     80.80  22 eP     19 54.20   0.2
        0.8s    24.95nm          5.2mb
                epP      20 10.42  58km
SLKM    81.21  23 eP     19 55.87  -0.4
                epP      20 12.87  61km
QLP     81.38 127 eP     19 58.00   0.4
        0.6s    49.00nm          5.6mb
KLU     81.91  21 eP     20 00.60   0.7
KDC     82.33  26 eP     20 03.20   1.2
        0.8s    18.23nm          5.1mb
                epP      20 19.23  57km
STK     82.94 132 eP     20 04.80  -0.8
        0.6s     6.00nm          4.8mb
BALM    83.36  20 eP     20 08.76   1.3
                epP      20 24.30  54km
KIC     84.04 274 Pc     20 12.40   0.8
        0.8s    37.50nm          5.5mb
TIC     84.15 274 Pc     20 13.00   0.9
        0.9s    43.50nm          5.5mb
SUR     84.18 228 eP     20 12.00  -0.1
        0.5s    18.31nm          5.4mb
LIC     84.35 274 Pc     20 14.00   0.9
RMQ     84.55 124 iPc    20 15.10   1.2
        0.7s    35.00nm          5.5mb
YKA     87.88   8 eP     20 29.60  -0.1
        0.6s    10.00nm          5.2mb
ARMA    88.88 126 eP     20 35.00   0.0
TOO     89.02 135 iPd    20 37.00   1.6
        0.8s    33.00nm          5.7mb
CAN     89.91 131 eP     20 39.60  -0.1
SIV    143.59 283 PKP    27 14.00  -2.1X
ZOBO   149.70 288 PKP    27 28.10   1.3
        1.2s    77.70nm
LPB    149.79 288 PKP    27 33.20   6.5X
ARE    152.56 291 ePKP   27 39.00   8.4X
     S.D. = 1.0  on 231 of 281 obs.
----------------------------------------
? JUN 02, 1992  22h 41m 46.96± 5.65s
  36.219 S ±48.2km   72.665 W ±25.0km
  DEPTH =  33.0km  (normal)
 NEAR COAST OF CENTRAL CHILE      (135)
     MD 4.3 (SAN).

LNV      2.48  25 iPc    42 26.80   0.9
                iS       42 55.80
CACH     2.69  39 iPd    42 28.30  -0.7
                iS       42 58.80
CHCH     2.82  36 iP     42 30.20  -0.5
LCCH     2.88  19 iP     42 31.50  -0.1
                iS       43 06.70
TACH     2.93  29 iPd    42 32.10  -0.2
                iS       43 06.40
PCH      3.14  35 iP     42 35.70   0.4
                iS       43 10.80
PEL      3.47  29 iP     42 40.00  -0.1
                iS       43 19.20
ROCH     3.52  23 iPd    42 41.00   0.2
                iS       43 22.40
JACH     3.92  26 iPd    42 45.80  -0.7
                iS       43 30.40
RTCB     5.71  35 e(P)   43 11.20  -0.6
CFA      5.89  40 e(P)   43 15.60   1.3
ZOBO    20.26  13 P      46 23.00  -0.1
     S.D. = 0.7  on  12 of  12 obs.
----------------------------------------
   JUN 02, 1992  22h 49m 01.72± 0.36s
   31.381 S ± 7.3km    69.462 W ± 8.0km
   DEPTH = 126.7 ±  6.3 km
 SAN JUAN PROVINCE, ARGENTINA     (137)
     MD 4.4 (SAN).

RTBS     0.28 178 iPd    49 20.00   0.2
RTCB     0.58 101 iPc    49 21.20   0.0
ZON      0.69 104 iPc    49 21.70  -0.3
                eS       49 33.80
RTLL     0.85  87 iPd    49 23.10  -0.2
CFA      1.07 102 iPd    49 26.00   0.7
JACH     1.61 216 iPd    49 31.90   0.5
                iS       49 55.10
PEL      2.04 210 iPd    49 36.70   0.2
                iS       50 03.20
```

ROCH 2.06 219 iPd 49 36.50 -0.4
iS 50 03.00
FCH 2.06 200 iPd 49 38.60 1.5
iS 50 06.70
SAN 2 30 206 iP 49 40.10 0.3
iS 50 09.60
PCH 2.40 201 iP 49 42.00 0.8
iS 50 12.70
IHA 2.47 228 eP 49 41.40 -0.5
iS 50 13.90
TACH 2 59 208 iPd 49 42.80 -0.7
iS 50 15.10
CHCH 2.74 201 iPd 49 45.40 0.0
iS 50 19.50
LCCH 2.75 220 iP 49 44.40 -1.1
iS 50 17.80
RTPR 2.76 68 iPc 49 45.00 -0.6
CACH 2.89 199 iP 49 48.30 0.7
iS 50 23.90
LNV 3.05 212 iP 49 48.00 -1.5
LPB 14.83 5 P 52 28.00 1.3
ZOBO 15.07 5 P 52 30.00 0.1
SIV 17.13 28 P 52 54.00 -0.8
PPD 18.68 64 eP 53 12.30 -0.4
WRA 124.09 207 PKP 07 47.50 0.4
0.5s 1.00nm
S.D. = 0.8 on 23 of 23 obs.

• JUN 02, 1992 23h 05m 38.68± 2.73s
33.473 S ± 7.2km 72.022 W ±21.2km
DEPTH = 14.9 ± 3.9 km
OFF COAST OF CENTRAL CHILE (134)
MD 4.1 (SAN).

LCCH 0.38 90 iPd 05 47.20 0.7
IHA 0.55 36 iPc 05 49.30 -0.1
LNV 0.70 134 iPd 05 52.40 0.4
iS 06 04.90
TACH 0.92 102 iPd 05 56.00 0.1
iS 06 12.40
ROCH 0.98 60 iPd 05 56.80 -0.3
iS 06 13.30
SAN 1.14 89 iP 06 00.00 0.5
iS 06 18.30
PEL 1.17 74 iPc 06 00.40 0.3
iS 06 18.80
CHCH 1.23 112 iPd 06 00.80 -0.3
iS 06 20.20
PCH 1.27 97 iPc 06 01.90 0.1
iS 06 22.00
CACH 1.35 119 iP 06 03.40 0.4
iS 06 25.20
JACH 1.44 57 iP 06 03.10 -1.1
iS 06 24.70
FCH 1.46 85 iPc 06 05.00 0.3
iS 06 27.70
RTBS 2.82 51 ePd 06 25.70 1.7
RTC8 3.37 55 ePc 06 33.00 1.2
CFA 3.70 61 e(P) 06 40.80 4.3X
S.D. = 0.8 on 14 of 15 obs.

• JUN 02, 1992 23h 18m 35.86± 0.73s
10.404 N ±12.9km 85.462 W ±16.7km
DEPTH = 180.3 ± 9.0 km
4.1mb (3 obs.)
COSTA RICA (78)
MD 4.2 (SJR).

JCR 0.65 148 iPc 19 02.03 0.4
SJS 1.46 108 eP 19 07.22 -0.7
LCR2 1.58 114 iPd 19 08.76 -0.4
eS 19 30.11
OCR 1.60 127 eP 19 10.57 1.5
eS 19 34.73
ICR 1.66 105 eP 19 09.17 -1.0
eS 19 32.30
VCR 1.83 99 iPc 19 00.95 -10.6X
BUS 1.88 116 eP 19 12.65 0.2
eS 19 37.48
UYO 25.05 342 iPc 23 45.80 0.7
VVO 26.53 341 eP 23 59.40 0.8
TUL 27.07 341 eP 24 03.20 -0.3
0.6s 8.70nm 4.6mb
e 24 07.10
LNO 27.07 341 eP 24 03.30 -0.1
RLO 27.07 343 eP 24 02.50 -1.0
CBN 28.62 13 eP 24 17.00 -0.4

SIV 35.65 137 P 25 23.80 5.3X
EEO 36.52 7 eP 25 26.00 0.5
LMN 39.49 23 ePc 25 51.70 1.5
ULM 40.65 350 eP 26 00.00 0.4
YKA 56.09 344 eP 27 56.50 -1.7
0.5s 1.10nm 3.9mb
MBC 68.31 352 eP 29 19.00 0.1
NB2 84.20 29 P 30 47.60 -0.3
0.9s 2.60nm 4.0mb
WWKK 130.87 274 ePKP 37 39.00 10.6X
WB2 140.51 251 ePKP 37 45.30 -0.9
0.7s 2.00nm
WRA 140.52 251 PKP 37 47.00 0.8
0.7s 1.50nm
S.D. = 0.9 on 20 of 23 obs.

JUN 02, 1992 23h 36m 01.27± 0.84s
33.346 N ± 4.9km 141.173 E ± 6.4km
DEPTH = 58.8 ± 6.8 km
4.8mb (17 obs.)
OFF EAST COAST OF HONSHU, JAPAN (229)

KAKJ 2.97 344 P 36 46.40 -0.5
S 37 22.50
CHJJ 3.24 327 P 36 50.20 -0.6
S 37 27.90
IIDJ 3.43 309 P 36 54.90 1.3
S 37 37.40
MAT 4.01 323 iPd 37 02.00 0.4
iS 37 47.10
MTMJ 4.25 320 P 37 06.20 1.1
NIIJ 4.27 336 P 37 04.70 -0.5
WKYJ 4.73 282 iPd 37 12.40 0.7
TSRJ 4.81 298 P 37 13.40 0.5
YAMJ 4.90 349 P 37 12.90 -1.3
eS 38 08.50
OFUJ 5.74 4 P 37 21.80 -4.0X
eS 38 22.90
TKSJ 5.97 278 eP 37 30.00 0.8
YONJ 6.64 288 eP 37 39.30 0.8
AOMJ 7.23 355 eP 37 44.90 -1.7
SHNJ 8.42 278 eP 38 04.10 1.0
KUMJ 8.73 268 P 38 09.10 1.7
KAGJ 8.97 259 eP 38 15.20 4.5X
MRRJ 9.06 360 eP 38 06.70 -5.2X
eS 39 44.80
HOOJ 9.17 10 eP 38 07.50 -5.9X
eS 39 41.90
KUSJ 10.12 15 eP 38 19.70 -6.7X
eS 40 03.40
ASAJ 10.82 6 eP 38 29.30 -6.5X
MDJ 14.40 325 eP 39 22.50 -0.7
1.0s 14.00nm 4.4mb
CN2 16.10 315 eP 39 43.00 -2.1
1.0s 10.00nm 3.9mb
epP 39 54.00
NJ2 18.83 272 eP 40 18.50 -0.4
TIA 19.95 285 eP 40 29.30 -1.8
GUMO 19.96 169 eP 40 31.70 0.4
1.0s 512.10nm 5.8mb
Z 25s 0.40um 5.1MszX
PJG 19.95 169 eP 40 31.80 0.5
GUA 20.01 169 eP 40 31.80 -0.1
1.2s 450.00nm 5.7mb
BJI 21.09 296 eP 40 44.00 1.3
WHN 22.91 270 Pc 41 00.50 -0.3
sP 41 19.00
TIY 23.75 289 eP 41 07.00 -2.0
TIY 23.75 289 eP 41 08.00 -1.0
Z 22s 0.52um 4.0Msz
HHC 24.69 296 P 41 18.90 0.7
0.8s 9.60nm 4.3mb
BTO 25.83 295 eP 41 29.00 0.2
LZH 30.69 286 eP 42 17.50 4.8X
1.5s 20.00nm 4.6mb
Z 18s 0.29um 4.0Msz
CD2 31.67 276 eP 42 25.00 3.7X
GTA 33.62 292 eP 42 37.00 -1.3
1.0s 7.00nm 4.5mb
CHG 40.32 260 eP 43 34.00 -0.6
WMO 42.43 300 P 43 52.50 0.7
1.0s 77.00nm 5.4mb
pP 44 03.40 38kmX
MTN 46.92 193 eP 44 27.00 -0.8
GUN 47.43 279 P 44 30.90 -1.4
PKI 47.94 279 P 44 35.80 -0.5
KKN 47.97 279 P 44 35.20 -1.1

DMN 48.17 279 P 44 36.60 -1.4
GKN 48.42 280 P 44 38.60 -1.2
WB2 53.39 188 iPc 45 15.90 -1.2
0.4s 51.20nm 5.9mb X
WRA 53.39 188 P 45 16.50 -0.6
0.6s 38.30nm 5.6mb
OIS 53.62 182 iPd 45 18.30 -0.4
NDI 54.26 283 iPc 45 31.00 7.5X
MBL 57.90 204 iPc 45 49.00 -0.5
0.3s 7.00nm 5.3mb
MBC 60.12 16 eP 46 05.00 0.7
WARB 60.79 195 iPc 46 10.00 0.6
0.5s 12.00nm 5.3mb
OUE 61.91 289 eP 46 18.20 0.9
MAIO 65.14 298 eP 46 39.00 0.7
YKA 67.10 29 eP 46 49.50 -0.8
0.6s 1.10nm 4.0mb
NUR 73.11 332 eP 47 27.00 0.2
LRM 76.94 44 eP 47 50.70 1.4
HFS 77.36 336 eP 47 50.50 -0.5
0.9s 7.30nm 4.7mb
Z 17s 0.15um 4.4MszX
LR 19 50.00
NB2 77.51 338 P 47 52.30 0.5
1.0s 9.70nm 4.8mb
SPC 82.49 325 eP 48 19.70 0.8
KSP 83.13 328 eP 48 22.50 0.6
BRG 84.12 330 e(P) 48 28.20 1.3
CLL 84.19 330 ePc 48 28.00 0.8
1.2s 14.00nm 4.9mb
PRU 84.52 329 eP 48 30.30 1.4
ZST 84.67 326 eP 48 31.50 1.8
MOX 85.27 330 eP 48 33.60 0.9
KHC 85.58 329 P 48 35.40 1.1
1.0s 3.50nm 4.4mb
e 49 02.50
GEC2 85.74 328 Pc 48 35.40 0.2
0.5s 0.56nm 4.0mb
ZOBO 148.60 64 PKP 55 46.00 5.4X
LPB 148.77 65 PKP 55 39.00 -1.6
SIV 153.50 55 PKP 55 48.00 0.9
S.D. = 1.1 on 60 of 70 obs.

% JUN 02, 1992 23h 47m 27.12± 2.10s
36.229 N ±18.0km 3.662 W ± 8.8km
DEPTH = 10.0km (geophysicist)
STRAIT OF GIBRALTAR (385)
mbLg 2.7 (MDD).

EGUA 0.61 7 eP 47 39.50 0.1
eS 47 49.20
MAL 0.78 310 eP 47 39.00 -3.3X
ECOG 1.05 4 eP 47 46.90 -0.1
eS 48 02.90
ENIJ 1.39 57 eP 47 52.50 0.0
eS 48 11.90
ELUQ 1.41 340 eP 47 52.80 -0.1
eS 48 12.90
EPRU 1.46 301 eP 47 53.50 -0.1
eS 48 12.00
EHOR 2.04 322 eP 48 02.00 0.2
eS 48 26.80
S.D. = 0.2 on 6 of 7 obs.

JUN 02, 1992 23h 54m 45.69± 0.49s
38.930 N ± 4.7km 21.200 E ± 3.8km
DEPTH = 10.0km (geophysicist)
3.9mb (3 obs.)
GREECE (364)
ML 4.1 (TIR), 3.9 (TTG), 3.6
(ATH).

VLS 0.89 213 iPgc 55 02.70 -0.1
SRN 1.33 316 iPnd 55 13.70 3.5X
iSn 55 33.70
KEK 1.34 306 iPgc 55 12.50 2.1
eSb 55 32.00
KZN 1.44 18 ePb 55 12.00 0.1
eSb 55 32.00
TPE 1.64 326 iPnc 55 19.00 4.3X
iSn 55 48.00
VLO 2.02 320 ePn 55 22.70 2.5
iSn 55 54.00
ATH 2.19 115 ePb 55 23.00 0.3
OHR 2.20 352 iPn 55 25.30 2.5
iSn 55 54.00
LR 56 06.90

02d 23h

VLI	2.60	148	ePb	55 29.70	1.2
VAY	2.61	23	iPn	55 28.30	-0.3
			iSn	56 01.20	
LCI	2.87	300	P	55 31.40	-0.9
			eSn	56 06.00	
SKO	3.04	3	iPn	55 35.70	1.0
			i	55 39.10	
			i	56 12.20	
			iSg	56 20.00	
			i	56 28.90	
			LR	56 37.50	
KKS	3.20	349	ePn	55 42.00	5.1X
			eSn	56 32.00	
SDA	3.34	338	ePn	55 45.70	6.7X
			iSn	56 33.50	
ULC	3.38	334	iPnd	55 39.80	0.3
			iSn	56 17.36	
BRT	3.64	304	P	55 44.00	0.8
ROI	3.65	282	P	55 43.80	0.3
GRI	3.73	270	P	55 45.29	0.7
PVY	3.78	346	iPnd	55 47.43	2.1
			iSn	56 31.18	
TTG	3.79	338	iPnc	55 45.70	0.3
			iSn	56 28.74	
BDV	3.81	332	iPnd	55 45.18	-0.4
			iSn	56 27.00	
TDS	3.84	282	P	55 49.30	3.2X
ORI	3.85	289	P	55 47.60	1.4
CSI	3.90	284	P	55 48.10	1.1
CZI	3.95	276	P	55 48.40	0.7
PRK	3.96	84	ePn	55 47.00	-0.7
BAI	3.98	305	P	55 47.00	-1.0
IVA	4.06	346	iPnd	55 51.11	1.9
			iSn	56 37.68	
HCY	4.07	331	iPnc	55 48.30	-1.0
			iSn	56 32.80	
EZN	4.07	76	eP	55 48.30	-1.0
SOI	4.13	260	P	55 49.70	-0.4
NKY	4.22	337	iPnd	55 51.80	0.2
			iSn	56 38.81	
BRY	4.45	334	iPnd	55 53.96	-0.9
			iSn	56 42.69	
MGR	4.53	287	P	55 58.00	2.2
ATN	4.56	262	P	55 56.00	-0.4
			eSn	56 44.90	
PLE	4.60	343	iPnc	55 57.83	0.8
			iSn	56 49.94	
SGO	4.82	292	P	56 01.20	1.1
MEU	5.28	252	P	56 04.20	-2.4
			eSn	57 00.90	
PZI	5.31	251	P	56 03.67	-3.4X
HVAR	5.56	321	i(Pn)	56 08.50	-1.9
			iSn	57 10.00	
DMK	5.78	58	eP	56 13.00	-0.5
BEO	5.91	355	eP	56 16.00	0.7
RFI	6.02	295	P	56 19.87	3.0X
USI	6.27	270	P	56 20.10	-0.3
SDI	6.29	299	P	56 21.50	0.7
AZI	6.66	300	P	56 27.00	1.0
BZS	6.69	3	ePc	56 26.00	-0.3
AOU	6.84	302	P	56 28.80	0.2
CMP	6.95	23	ePc	56 30.00	0.0
ISR	7.37	31	eP	56 38.00	2.1
MLR	7.44	27	eP	56 36.00	-1.0
ASS	7.67	305	P	56 39.90	-0.2
ARV	7.72	309	P	56 40.00	-0.8
ZAG	7.89	332	eP	56 43.00	-0.1
UZD	7.90	347	ePn	56 41.80	-1.4
VBY	7.91	328	eP	56 42.00	-1.4
			iSn	58 09.00	
PTJ	7.97	333	eP	56 42.30	-2.0
VRI	8.05	29	ePc	56 45.00	-0.4
RIY	8.16	324	ePn	56 44.20	-2.8X
CRE	8.40	307	P	56 49.10	-1.3
CEY	8.45	326	ePn	56 48.60	-2.4
			eSn	58 20.00	
SFI	8.61	308	P	56 53.20	0.0
LJU	8.64	327	ePn	56 51.00	-2.7X
			eSn	58 24.50	
PGD	8.67	308	P	56 54.00	-0.2
TRI	8.73	323	eP	56 52.30	-2.5
VOY	8.91	325	ePn	56 55.40	-2.1
			eSn	58 31.50	
ZST	9.73	344	e(P)	57 45.10	36.5X
FVI	9.84	324	P	57 09.00	-1.2
CTI	10.01	318	P	57 09.60	-3.0X
SPC	10.28	356	eP	57 18.10	1.7
KHC	11.57	334	eP	57 46.00	12.1X
			e	58 08.60	
			e	59 38.50	
HFS	21.75	350	eP	59 36.00	-2.9X
	0.4s		2.00nm		3.9mb
NB2	22.99	348	P	59 48.60	-2.7X
	0.5s		0.80nm		3.5mb
EKA	23.13	323	P	00 01.00	8.3X
	0.9s		5.50nm		4.1mb
WRA	120.04	92	Pdiff	10 08.20	6.4X
	1.0s		0.50nm		
WRA	120.04	92	PKP	13 41.20	2.7X
	0.7s		0.40nm		
ASPA	121.72	96	iPKPd	13 46.20	4.6X
	0.7s		7.70nm		

S.D. = 1.3 on 59 of 77 obs.

% JUN 03, 1992 00h 37m 14.53± 2.97s
33.474 S ± 6.9km 70.805 W ± 9.5km
DEPTH = 78.2 ± 30.3 km
CHILE-ARGENTINA BORDER REGION (127)
MD 3.7 (SAN).

TACH	0.21	212	iPd	37 26.30	0.0
			iS	37 34.80	
PCH	0.28	121	iP	37 26.70	-0.1
			iS	37 35.70	
PEL	0.34	17	iPc	37 27.20	0.1
			iS	37 36.40	
FCH	0.45	71	iP	37 28.50	0.2
			iS	37 38.60	
CHCH	0.48	165	iPd	37 28.10	0.0
			iS	37 38.80	
ROCH	0.53	341	iPc	37 28.60	-0.2
			iS	37 39.30	
LCCH	0.64	270	iPc	37 30.00	0.4
			iS	37 41.30	
CACH	0.66	165	iP	37 30.10	0.1
			iS	37 43.20	
LNV	0.70	226	iPd	37 29.90	-0.3
			iS	37 41.60	
JACH	0.81	13	iPc	37 31.50	-0.1
			iS	37 43.90	

S.D. = 0.2 on 10 of 10 obs.

JUN 03, 1992 00h 50m 23.10± 0.17s
44.309 N ± 1.6km 7.347 E ± 2.1km
DEPTH = 15.7 ± 2.8 km
NORTHERN ITALY (545)
ML 3.1 (LDG), 3.0 (GEN).

STV	0.07	194	Pd	50 26.56	0.2
			S	50 28.34	
ENR	0.10	148	Pd	50 26.87	0.2
			S	50 29.40	
DOI	0.21	339	P	50 28.60	0.4
			eSg	50 31.80	
PZZ	0.26	318	Pc	50 29.44	0.3
			S	50 33.38	
TOUF	0.30	194	Pg	50 29.84	0.0
AUTN	0.32	170	Pg	50 30.06	-0.1
			Sg	50 34.39	
ROB	0.38	92	Pc	50 31.51	0.5
			S	50 36.54	
AURF	0.42	182	Pg	50 31.77	0.0
			Sg	50 37.32	
SBF	0.45	172	Pg	50 32.20	-0.1
			Sg	50 37.70	
BHB	0.54	354	Pc	50 33.02	-0.7
			S	50 39.42	
IMI	0.56	135	Pd	50 34.22	0.1
			S	50 41.28	
REVF	0.57	179	Pg	50 34.61	0.3
			Sg	50 42.02	
FIN	0.63	99	Pc	50 35.59	0.3
			S	50 43.22	
CALN	0.65	211	Pg	50 35.66	0.0
			Sg	50 44.45	
CKI	0.68	80	P	50 36.40	0.3
			eSg	50 45.60	
RRL	0.73	327	Pc	50 37.54	0.4
			S	50 46.91	
RSP	0.84	356	P	50 37.90	-1.1
			S	50 48.73	
BNI	0.88	327	P	50 40.00	0.3
			eSg	50 52.20	
PCP	0.89	74	Pc	50 40.34	0.6
			S	50 51.98	
FRF	0.90	214	Pg	50 40.00	0.1
			Sg	50 51.30	
LRG	1.11	220	Pg	50 43.90	0.4
			Sg	50 58.60	
LMR	1.15	212	Pg	50 44.20	0.1
			Sg	50 59.00	
LSD	1.16	353	P	50 43.38	-1.1
			S	50 58.45	
LPG	1.26	341	Pn	50 46.50	0.2
			Sn	51 01.20	
LPL	1.28	340	Pn	50 47.20	0.7
CDR	1.31	241	e(Pg)c	50 46.50	-0.1
			i(Sg)	51 02.70	
BOB	1.57	72	P	50 51.40	0.9
PGF	2.13	145	Pn	50 57.40	-1.3
			Sn	51 21.50	
SMF	3.40	315	Pn	51 16.80	0.3
			Sn	51 54.90	
LBF	3.57	320	Pn	51 19.50	0.5
			Sn	51 58.90	
			Sg	52 16.90	
AVF	3.75	313	Pn	51 21.80	0.3
			Sn	52 03.00	
HAU	3.76	350	Pn	51 21.00	-0.7
			Sn	52 04.30	
CAF	3.82	281	Pn	51 22.60	0.0
			Sn	52 06.30	
LOR	3.84	322	Pn	51 23.10	0.3
			Sn	52 05.30	
SSF	3.85	317	Pn	51 23.50	0.6
			Sn	52 05.60	
MAF	3.88	301	Pn	51 24.20	0.8
BGF	3.88	307	Pn	51 23.90	0.5
			Sn	52 07.80	
TCF	4.13	300	Pn	51 27.20	0.3
			Sn	52 14.10	
LPO	4.42	277	Pn	51 31.10	0.0
			Sn	52 20.40	
HYF	4.43	314	Pn	51 31.70	0.6
			Sn	52 20.40	
LFF	4.76	280	Pn	51 35.80	-0.1
LDF	6.71	312	Pn	52 02.80	-0.5
LPF	6.91	306	Pn	52 05.80	-0.4
GRR	6.99	309	Pn	52 06.90	-0.4
FLN	7.00	312	Pn	52 06.80	-0.6
			Sn	53 20.30	

S.D. = 0.5 on 45 of 45 obs.

JUN 03, 1992 01h 12m 09.15± 0.67s
36.795 N ± 7.7km 142.245 E ± 7.8km
DEPTH = 33.2km (5 depth phases)
4.5mb (16 obs.) 4.4Msz (1 obs.)
OFF EAST COAST OF HONSHU, JAPAN (229)

KAKJ	1.77	251	P	12 37.60	-0.3
			S	13 00.80	
YAMJ	2.23	309	P	12 45.60	1.1
OFUJ	2.33	349	P	12 46.30	0.4
NIIJ	2.63	281	P	12 51.20	1.0
CHJJ	2.72	255	P	12 51.40	-0.1
			eS	13 24.80	
MAT	3.25	267	iPc	13 00.10	1.0
			iS	13 43.50	
MTMJ	3.57	268	P	13 04.90	1.2
IIDJ	3.74	251	P	13 07.30	1.3
AOMJ	4.03	339	eP	13 15.30	5.2X
TSRJ	5.22	258	P	13 28.40	1.5
HOOJ	5.64	8	eP	13 31.70	-1.1
			eS	14 36.70	
MRRJ	5.69	351	eP	13 34.10	0.5
			eS	14 56.10	
KUSJ	6.57	16	eP	13 43.00	-2.9
			eS	14 56.40	
ASAJ	7.32	2	eP	13 54.60	-1.8
YSS	10.22	2	eP	14 33.00	-3.5X
MDJ	12.37	313	eP	15 10.90	5.2X
CN2	14.59	304	eP	15 33.40	-1.6
	0.8s		6.00nm		4.1mb
			epP	15 42.50	
SNY	15.29	295	Pd	15 42.80	-1.3
	Z 14s		1.42um		
BJI	20.66	287	eP	16 47.00	-1.5
	Z 16s		0.35um		3.8MszX
TIY	23.70	281	eP	17 17.50	-1.4
	Z 16s		1.19um		4.5MszX
	N 16s		0.68um		

E 15s 0.77um
eS 21 30.00
WHN 23.99 263 eP 17 19.50 -2.1
BTO 25.36 289 eP 17 34.50 -0.3
N 12s 0.28um
E 12s 0.22um
SEY 26.87 10 eP 17 50.50 2.1
i 18 07.50 73kmX
XAN 27.22 274 P 17 51.50 -0.4
LZH 30.76 280 eP 18 23.00 -0.8
1.5s 34.00nm 4.9mb
Z 18s 0.83um 4.4Msz
E 14s 0.52um
pP 18 31.00 28km
sP 18 34.50
PP 19 24.00
ZAK 30.94 308 iPc 18 25.00 0.1
1.2s 18.00nm 4.7mb
Z 13s 0.49um 4.4MszX
E 14s 0.38um
GYA 31.84 261 P 18 32.00 -1.3
pP 18 42.00 36km
CD2 32.34 271 eP 18 36.40 -1.2
GTA 33.27 288 eP 18 45.50 -0.2
1.0s 9.00nm 4.6mb
ILT 38.01 23 eP 19 25.00 -0.4
e 19 35.00 34km
WMQ 41.54 297 P 19 57.00 1.9
1.0s 10.00nm 4.5mb
pP 20 03.00 20kmX
CHG 41.88 257 eP 20 08.00 10.0X
CHTO 41.88 257 eP 19 58.00 0.0
1.2s 5.90nm 4.2mb
pP 20 08.30 35km
SEM 45.61 308 (P) 20 28.00 0.2
GUN 47.84 276 P 20 44.80 -1.4
PKI 48.37 276 P 20 46.80 -3.4X
KKN 48.37 276 P 20 49.40 -0.7
GKN 48.79 277 P 20 52.20 -1.1
SVE 55.77 319 ePc 21 45.30 0.5
Z 16s 0.50um 4.7MszX
N 16s 0.20um
E 16s 0.50um
MBC 56.57 16 eP 22 02.00 11.7X
WB2 56.92 189 iPc 22 01.70 8.3X
0.9s 4.90nm 4.5mb
WRA 56.92 189 P 21 52.20 -1.2
0.8s 0.80nm 3.8mb
ASPA 60.65 189 eP 22 18.30 -0.9
0.8s 4.00nm 4.6mb
YKA 63.68 30 eP 22 42.70 3.6X
0.9s 2.10nm 4.2mb
KAF 68.82 333 iP 23 21.60 9.8X
0.8s 6.20nm 4.7mb
NUR 70.47 332 eP 23 22.20 0.3
0.3s 0.90nm 4.3mb
KIV 71.57 311 iP 23 29.90 0.9
Z 15s 0.30um 4.7MszX
LRM 73.85 45 eP 23 44.20 1.6
e 23 54.50 33km
HFS 74.58 336 eP 23 57.90 11.7X
0.5s 0.70nm
NB2 74.66 338 P 23 47.20 0.5
1.0s 4.00nm 4.4mb
OJC 79.61 327 eP 24 16.00 1.7
KSP 80.65 329 eP 24 21.80 1.9
CLL 81.63 331 iPc 24 25.90 0.9
1.0s 8.00nm 4.7mb
PRU 82.03 329 eP 24 28.70 1.6
KHC 83.09 329 eP 24 34.00 1.3
1.0s 3.50nm 4.4mb
GEC2 83.26 329 Pd 24 33.90 0.3
0.8s 1.77nm 4.2mb
ZOBO 146.23 61 PKP 31 50.00 2.1X
LPB 146.42 61 PKP 31 51.00 3.1X
S.D. = 1.3 on 46 of 58 obs.

JUN 03, 1992 01h 55m 13.38± 1.14s
28.083 N ± 6.6km 128.094 E ± 6.9km
DEPTH = 55.6 ± 11.3 km
4.9mb (28 obs.) 5.6Msz (1 obs.)
RYUKYU ISLANDS (238)

KAGJ 3.93 38 P 56 10.70 -2.0
KUMJ 5.03 27 P 56 29.40 1.3
SHNJ 6.55 22 eP 56 50.60 1.2
SSE 6.72 298 ePn 56 38.00 -13.8X
Z 14s 12.50um
N 10s 11.70um
E 10s 8.60um
Pg 57 16.00
Sn 58 14.00
SHK 7.53 30 eP 57 02.40 -0.7
NJ2 8.93 299 eP 57 17.00 -5.3X
N 10s 14.70um
E 10s 9.59um
QZH 9.07 252 eP 57 22.50 -1.7
1.8s 420.00nm 6.1mb X
Z 10s 8.78um 5.6Msz
N 10s 6.67um
S 59 08.00
MAT 12.01 43 eP 58 08.00 3.9X
0.7s 6.85nm 4.8mb
eS 00 14.00
DL2 12.06 335 eP 58 03.00 -1.8
Z 10s 5.05um
N 10s 5.92um
WHN 12.24 285 eP 58 04.00 -3.3X
Z 14s 5.53um
N 14s 19.40um
E 13s 5.86um
eS 00 23.00
TIA 12.32 314 eP 58 08.50 0.2
Z 13s 7.52um
N 14s 8.11um
E 14s 10.20um
SNY 14.20 346 Pc 58 32.00 -0.9
1.5s 83.00nm 5.1mb
Z 15s 6.93um
N 10s 4.57um
E 10s 7.94um
GZH 14.21 253 eP 58 34.80 1.7
Z 14s 5.31um
N 14s 6.95um
E 11s 2.71um
BJI 15.47 324 eP 58 49.50 0.1
1.0s 44.00nm 4.6mb
Z 16s 3.80um 4.9MszX
N 12s 2.48um
E 11s 2.13um
CN2 15.83 353 Pc 58 54.00 0.0
1.0s 42.00nm 4.5mb
Z 14s 9.78um 5.3MszX
N 11s 6.86um
E 11s 2.96um
TIY 16.26 310 eP 59 01.30 1.7
Z 16s 5.96um
N 10s 7.76um
MDJ 16.54 4 eP 59 05.30 2.3
1.5s 60.00nm 4.5mb
Z 17s 4.04um 4.6MszX
N 16s 3.85um
E 12s 5.01um
pP 59 13.00
PLP 17.08 190 ePc 59 12.20 2.3
XAN 17.46 295 eP 59 13.00 -1.5
2.0s 230.00nm 5.0mb
N 10s 10.40um
E 12s 9.79um
HHC 18.61 317 eP 59 29.60 0.9
1.3s 330.00nm 5.4mb
Z 13s 6.66um
N 12s 3.40um
E 12s 4.24um
HOOJ 18.87 37 eP 59 25.50 -6.1X
QIZ 18.98 246 eP 59 33.00 -0.2
N 12s 3.16um
E 12s 2.79um
eS 03 03.00
GYA 19.12 270 P 59 36.80 1.9
Z 12s 11.40um
N 11s 8.31um
E 11s 4.02um
BTO 19.41 315 eP 59 36.00 -1.9
N 12s 6.02um
E 11s 3.67um
pP 59 41.00 19kmX
ASAJ 19.81 32 eP 59 41.40 -0.5
KUSJ 20.12 38 eP 59 36.20 -8.9X
GUMO 21.26 129 eP 59 42.50 -14.5X
PJG 21.26 129 eP 59 43.10 -13.9X
GUA 21.33 129 eP 59 43.00 -14.7X
CD2 21.36 283 P 59 56.70 -1.3
1.6s 370.00nm 5.5mb
Z 10s 6.20um 5.3MszX
E 11s 8.38um
LZH 22.00 297 eP 00 05.00 0.5
1.5s 91.00nm 5.0mb
Z 16s 4.22um 4.9MszX
N 12s 9.27um
KMI 22.85 268 Pc 00 13.50 0.5
1.5s 120.00nm 5.1mb
Z 16s 2.40um 4.7MszX
N 11s 5.10um
E 11s 1.80um
KKM 24.65 209 eP 00 33.50 3.2X
GTA 25.98 303 eP 00 41.00 -1.7
1.5s 14.00nm 4.3mb
Z 12s 5.71um 5.3MszX
E 12s 8.01um
pP 00 45.00 14kmX
sP 00 49.00
eS 05 13.00
CIT 26.24 340 eP 00 45.00 0.1
CHG 28.23 257 eP 01 05.00 1.8
CHTO 28.23 257 eP 01 04.80 1.6
1.5s 18.58nm 4.5mb
ZAK 29.17 327 eP 01 09.20 -2.1
1.5s 22.00nm 4.6mb
Z 16s 2.47um 4.9MszX
N 11s 3.07um
E 16s 2.52um
eS 06 00.00
IRK 29.97 330 eP 01 23.10 4.6X
1.6s 46.00nm 5.0mb
Z 14s 3.32um 5.1MszX
N 16s 2.60um
MOY 31.12 327 eP 01 28.00 -0.5
BOD 31.32 346 eP 01 34.90 4.7X
1.4s 25.00nm 4.8mb
LSA 32.30 282 eP 01 39.00 -0.7
N 13s 4.91um
E 13s 0.99um
SNG 33.28 237 eP 01 46.10 -1.7
UER 34.61 322 eP 02 00.00 1.1
1.8s 14.00nm 4.6mb
IPM 34.77 233 ePd 02 03.00 2.3
1.0s 34.60nm 5.2mb
WMQ 35.89 307 eP 02 10.00 0.0
1.5s 40.00nm 5.1mb
Z 14s 3.91um 5.3MszX
N 13s 4.85um
eS 07 46.00
GUN 37.14 280 P 02 20.20 -0.8
PKI 37.61 280 P 02 23.20 -1.7
KKN 37.68 280 P 02 24.00 -1.4
DMN 37.87 280 P 02 25.60 -1.4
GKN 38.20 280 P 02 28.20 -1.5
ELT 39.65 321 iPd 02 43.00 1.8
1.8s 31.00nm 4.9mb
e 04 15.30
iS 08 37.50
e 11 34.00
UKR 39.72 317 eP 02 40.00 -1.8
SEM 42.33 315 (P) 03 02.00 -1.2
2.0s 164.00nm 5.4mb
Z 14s 3.00um 5.3MszX
N 12s 1.00um
E 12s 2.00um
e 09 24.00
TLG 43.24 304 eP 03 13.50 2.6
Z 14s 2.20um 5.2MszX
N 14s 1.30um
E 14s 1.50um
KSH 44.24 299 eP 03 25.00 5.9X
Z 16s 2.50um 5.2MszX
N 14s 4.69um
E 14s 2.57um
NRI 47.35 342 ePc 03 47.30 4.1X
1.6s 39.00nm 5.1mb
Z 20s 6.50um 5.6Msz
e 05 43.00
KHO 47.85 296 iP 03 47.70 -0.1
Z 13s 0.90um 4.9MszX
N 13s 0.70um
E 13s 0.80um
eS 10 56.40
WRA 48.12 172 P 03 49.00 -0.8
0.6s 2.20nm 4.3mb
WB2 48.13 172 eP 03 48.30 -1.5
0.6s 5.30nm 4.7mb

03d 02h

GAR 48.65 299 eP 03 53.50 -0.4
OIS 49.62 166 eP 03 59.00 -2.3
ILT 50.67 23 eP 04 10.00 1.2
Z 14s 1.50um 5.2MszX
E 14s 1.00um
eS 11 20.00
ASPA 51.75 173 eP 04 21.40 3.9X
0.9s 10.70nm 4.9mb
eS 11 48.80
QUE 52.88 288 eP 04 27.40 1.2
SVE 54.73 322 ePd 04 39.00 -0.1
1.6s 100.00nm 5.6mb
Z 14s 2.50um 5.4MszX
N 14s 0.60um
E 14s 2.50um
eS 12 15.00
ARU 55.85 321 eP 04 49.00 1.8
Z 14s 2.50um 5.5MszX
N 12s 0.70um
E 14s 2.00um
MAIO 57.56 297 eP 05 01.00 1.3
ASH 58.09 299 eP 05 05.00 1.7
KAT 59.41 301 eP 05 16.00 3.6X
Z 14s 0.80um 5.0MszX
N 14s 1.00um
E 14s 1.00um
eS 13 20.00
PMR 62.33 32 eP 05 32.98 1.1
1.0s 9.87nm 4.9mb
GRS 66.76 304 eP 06 08.00 6.8X
1.6s 30.00nm 5.1mb
Z 15s 0.32um 4.7MszX
N 16s 0.64um
E 16s 0.80um
KIV 67.98 309 iP 06 17.20 8.4X
Z 15s 0.74um 5.0MszX
e 06 32.20
eS 15 35.20
YKA 76.90 25 eP 07 00.30 -0.7
1.3s 3.20nm 4.2mb
OJC 79.59 322 eP 07 21.40 5.5X
Z 15s 1.80um 5.5MszX
E 15s 2.00um
e 07 31.00
SKO 82.92 314 eP 07 40.50 6.9X
LRM 88.23 38 eP 08 00.90 0.8
S.D. = 1.5 on 57 of 77 obs.

JUN 03, 1992 02h 42m 36.63± 0.43s
33.905 N ± 5.7km 88.893 E ± 8.0km
DEPTH = 10.0km (geophysicist)
4.6mb (16 obs.)
XIJANG (306)

GUN 6.51 204 P 44 14.60 -0.6
0.4s 14.00nm 5.3mb X
KKN 6.84 208 P 44 20.00 0.3
0.8s 38.00nm 5.5mb X
GKN 6.93 213 P 44 20.20 -0.6
PKI 6.99 206 P 44 19.60 -2.2
0.6s 15.00nm 5.3mb X
DMN 7.07 208 P 44 23.00 0.1
0.6s 33.00nm 5.7mb X
CHG 17.50 147 ePc 46 43.70 1.3
1.0s 11.75nm 4.0mb
CHTO 17.50 147 eP 46 43.10 0.7
1.0s 10.25nm 3.9mb
e 46 46.50
QUE 18.96 265 eP 47 03.20 2.7
BJI 22.59 66 eP 47 39.00 0.6
MLR 48.65 303 eP 51 23.00 0.3
HFS 54.05 323 eP 52 02.10 -1.0
0.5s 2.10nm 4.4mb
NB2 55.15 325 P 52 09.60 -1.7
0.7s 3.10nm 4.4mb
GEC2 56.13 310 Pd 52 16.60 -1.9
0.8s 0.78nm 3.8mb
GRF 57.48 311 eP 52 27.90 -0.1
2.1s 42.00nm 5.1mb
e 52 29.90
CDF 60.34 311 eP 52 48.50 0.5
1.1s 8.30nm 4.8mb
BSF 60.84 310 eP 52 51.90 0.5
0.9s 6.90nm 4.8mb
LPL 61.67 308 eP 52 58.20 1.0
1.2s 13.10nm 5.0mb
LBF 62.93 310 eP 53 05.40 0.1
1.0s 5.00nm 4.7mb
SSF 63.20 310 eP 53 07.40 0.3
1.2s 7.45nm 4.8mb
BGF 63.81 310 eP 53 12.40 1.3
1.1s 7.35nm 4.8mb
TCF 64.32 310 eP 53 15.20 0.7
1.0s 4.60nm 4.6mb
LPF 65.66 313 eP 53 23.10 0.1
MBC 68.67 7 eP 53 41.00 -0.7
WRA 68.86 134 P 53 43.30 -0.3
0.7s 1.90nm 4.4mb
WB2 68.87 134 eP 53 43.80 0.2
0.7s 4.90nm 4.8mb
YKA 82.09 11 eP 54 56.60 -1.6
0.9s 1.30nm 4.0mb
S.D. = 1.1 on 26 of 26 obs.

JUN 03, 1992 03h 13m 07.63± 0.94s
6.484 N ± 5.4km 126.538 E ± 9.1km
DEPTH = 75.1 ± 8.7 km
5.0mb (27 obs.)
MINDANAO, PHILIPPINE ISLANDS (259)

BIP 1.75 351 iPc 13 36.00 -0.6
iS 13 58.00
CGP 2.68 317 ePc 13 49.00 -0.3
iS 14 23.00
MAP 4.58 327 iPd 14 15.00 -0.9
iS 14 52.00
PLP 4.90 342 ePd 14 21.30 0.9
iS 14 35.50
KKM 10.27 268 ePc 15 36.50 1.9
MTN 19.74 167 eP 17 33.00 -1.1
0.4s 50.00nm 5.2mb
QIZ 20.48 309 eP 17 42.30 0.5
KGM 23.57 260 eP 18 14.00 1.6
IPM 25.46 267 ePd 18 30.70 0.2
0.5s 23.10nm 4.9mb
SNG 25.75 273 eP 18 33.90 0.8
WB2 27.36 164 iPd 18 46.70 -1.1
0.6s 14.30nm 4.7mb
CHG 29.52 297 eP 19 07.00 -0.4
CHTO 29.52 297 eP 19 07.00 -0.4
0.8s 2.93nm 4.0mb
OIS 29.78 155 iPd 19 09.00 -0.6
0.5s 11.00nm 4.8mb
NANU 30.81 200 eP 19 17.50 -1.1
ASPA 30.82 167 iPc 19 17.80 -0.9
0.3s 16.80nm 5.2mb
XAN 31.90 332 P 19 27.80 -0.3
CD2 32.35 322 eP 19 32.80 0.7
WARB 32.47 180 iPd 19 33.50 0.4
0.4s 12.00nm 5.1mb
TIY 33.63 340 eP 19 43.40 0.3
BJI 34.68 346 eP 19 53.50 1.5
LZH 36.06 328 eP 20 05.30 1.3
2.0s 39.00nm 5.0mb
Z 20s 0.74um 4.5Msz
pP 20 12.00 23kmX
sP 20 17.00
HHC 36.74 341 eP 20 11.90 2.3
1.0s 12.00nm 4.8mb
MRWA 36.92 195 eP 20 10.40 -0.6
0.4s 14.00nm 5.2mb
FORT 37.08 178 iPd 20 12.60 0.3
COOL 37.51 188 eP 20 15.40 -0.6
0.4s 10.00nm 5.1mb
BAL 38.06 194 iPc 20 20.30 -0.4
0.4s 30.00nm 5.6mb
KLB 38.78 192 eP 20 26.30 -0.3
0.4s 31.00nm 5.6mb
MUN 39.50 194 iPc 20 32.70 0.1
GTA 40.67 328 eP 20 43.00 0.7
1.0s 7.00nm 4.5mb
PcP 22 44.50
STK 40.76 160 iPc 20 43.20 0.2
0.4s 7.70nm 4.9mb
RKG 41.81 192 eP 20 52.50 0.9
0.4s 53.00nm 5.7mb
ARMA 43.87 148 eP 21 09.00 0.5
GUN 44.00 304 P 21 08.60 -1.4
0.6s 32.00nm 5.3mb
PKI 44.27 303 P 21 10.20 -1.9
0.6s 10.00nm 4.8mb
KKN 44.45 303 P 21 11.80 -1.7
0.6s 13.00nm 4.9mb
DMN 44.53 303 P 21 12.40 -1.8
GKN 45.06 303 P 21 16.20 -2.0
0.6s 14.00nm 5.0mb
BWA 45.64 154 eP 21 24.00 1.5
BFD 45.94 162 eP 21 24.00 -0.8
CAN 46.65 155 iPc 21 33.30 2.8
OBN 84.70 325 iPd 25 34.90 0.5
1.0s 31.00nm 5.3mb
Z 16s 4.00um 5.9MszX
N 16s 2.10um
E 16s 3.00um
KAF 89.08 332 eP 25 53.50 -2.1
0.6s 4.30nm 4.9mb
NUR 90.22 331 eP 26 00.10 -0.8
0.5s 4.30nm 5.0mb
HFS 95.51 332 eP 26 25.10 -0.2
0.3s 0.80nm 4.7mb
NB2 96.25 334 P 26 27.80 -0.9
0.7s 2.90nm 4.9mb
YKA 97.08 24 eP 26 30.80 -1.6
0.7s 0.60nm 4.2mb
BRG 98.92 324 e(P) 26 42.80 1.9
GEC2 99.82 322 P 26 45.40 0.2
0.9s 1.63nm 4.6mb
KIC 129.73 284 PKP 32 11.90 1.0
TIC 129.94 284 PKP 32 12.30 1.0
LIC 130.04 284 PKP 32 12.50 1.0
LPB 162.54 126 PKP 33 11.00 8.0X
ZOBO 162.64 125 PKP 33 07.80 4.4X
S.D. = 1.2 on 52 of 54 obs.

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* JUN 03, 1992 03h 14m 49.97± 2.01s
33.767 S ± 6.8km 71.630 W ±14.9km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 4.0 (SAN).

LNV 0.26 136 iPd 14 56.00 0.5
iS 15 04.60
LCCH 0.30 10 iPd 14 56.60 0.5
iS 15 05.60
TACH 0.59 79 iPd 15 02.30 0.4
iS 15 15.90
IHA 0.74 359 eP 15 11.40 6.9X
e(S) 15 31.60
CHCH 0.83 102 iPd 15 05.70 -0.4
iS 15 21.80
SAN 0.87 69 eP 15 07.30 0.6
CACH 0.92 112 iPd 15 07.10 -0.6
PCH 0.94 81 iPd 15 07.90 -0.1
iS 15 26.90
ROCH 0.95 33 iPd 15 07.50 -0.7
iS 15 25.70
PEL 1.01 52 iPc 15 09.50 0.4
iS 15 28.60
FCH 1.20 69 iPd 15 12.50 -0.1
iS 15 34.10
JACH 1.39 39 eP 15 14.90 -0.6
RTCB 3.30 47 ePd 15 46.50 3.7X
CFA 3.58 54 e(P) 15 51.00 4.3X
S.D. = 0.6 on 11 of 14 obs.

JUN 03, 1992 03h 28m 52.38± 1.00s
28.050 N ± 6.0km 128.152 E ± 5.3km
DEPTH = 52.1 ± 10.2 km
4.6mb (21 obs.) 5.3Msz (3 obs.)
RYUKYU ISLANDS (238)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 29C
Centroid Location:
Origin Time 03:28:53.5 0.6
Lat 28.12N 0.06 Lon 127.80E 0.04
Dep 25.5 4.4 Half-duration 1.5
Moment Tensor; Scale 10**17 Nm
Mrr=-0.10 0.04 Mtt= 0.53 0.05
Mff=-0.43 0.06 Mrt= 0.31 0.12
Mrf= 0.13 0.15 Mtf= 1.24 0.04
Principal Axes:
T Val= 1.45 Plg=12 Azm=326
N -0.16 77 129
P -1.28 4 235
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 10 Dip=79 Slip= 174
NP2: 101 84 11

KAGJ 3.93 37 P 29 51.00 -0.7
S 30 34.90

KUMJ 5.03 27 P 30 08.90 1.7
SHNJ 6.56 22 P 30 29.30 0.7
SSE 6.78 298 P 30 26.50 -5.2X
Z 13s 20.00um
N 10s 16.70um
E 10s 11.70um
SHK 7.53 30 eP 30 42.20 0.0
NJ2 8.99 299 Pc 30 57.40 -4.9X
N 10s 21.40um
E 10s 14.20um
QZH 9.11 252 eP 31 03.00 -0.9
1.4s 140.00nm 5.8mb X
Z 12s 13.30um 5.6Msz
N 12s 14.20um
S 32 48.00
MAT 12.00 43 (P) 31 42.00 -1.2
0.8s 5.22nm 4.6mb
eS 34 12.00
DL2 12.11 335 eP 31 40.00 -4.7X
Z 10s 8.97um
N 10s 10.20um
WHN 12.30 285 eP 31 50.00 2.8X
Z 14s 10.10um
N 16s 44.20um
E 12s 4.59um
TIA 12.38 314 eP 31 50.00 1.7
Z 14s 12.70um
N 14s 8.67um
E 14s 14.20um
HKC 13.89 249 eP 32 11.00 2.9X
SNY 14.24 346 Pc 32 12.00 -0.7
Z 14s 14.50um
N 10s 10.60um
E 10s 16.10um
GZH 14.25 253 Pd 32 12.00 -0.8
Z 12s 10.20um
N 13s 9.69um
E 12s 6.29um
BJI 15.52 323 eP 32 28.00 -1.3
1.0s 22.00nm 4.3mb
Z 16s 7.60um 5.3MszX
N 14s 6.20um
CN2 15.87 353 Pc 32 34.00 0.3
1.2s 78.00nm 4.7mb
Z 14s 17.30um 4.9MszX
N 12s 3.44um
E 12s 14.50um
epP 32 42.00
TIY 16.33 310 eP 32 42.80 3.2X
Z 20s 10.80um
N 10s 12.80um
E 12s 8.01um
MDJ 16.57 4 eP 32 45.60 3.0X
2.5s 160.00nm 4.7mb
Z 16s 7.13um
N 16s 6.59um
E 12s 10.00um
XAN 17.52 295 eP 32 54.00 -0.5
N 12s 21.20um
HHC 18.67 317 P 33 09.00 0.3
1.0s 15.00nm 4.1mb
Z 13s 11.90um
N 12s 6.48um
E 12s 6.55um
QIZ 19.02 246 eP 33 12.00 -0.9
N 10s 4.18um
E 11s 5.79um
eS 36 42.00
sS 36 57.00
GYA 19.17 270 P 33 16.00 1.3
Z 14s 18.20um
N 11s 13.90um
E 11s 7.21um
BTO 19.47 315 eP 33 17.00 -0.8
N 12s 9.72um
E 11s 6.28um
pP 33 22.00 19kmX
CGP 19.76 190 eP 33 22.50 1.5
GUMO 21.20 129 eP 33 34.90 -0.9
Z 22s 4.19um 4.8Msz
CD2 21.42 284 eP 33 37.00 -0.9
0.8s 32.00nm 4.7mb
Z 14s 9.24um 5.3MszX
E 10s 13.40um
S 37 32.00
sS 37 45.00
LZH 22.06 297 eP 33 46.00 1.5
2.0s 88.00nm 4.8mb
Z 16s 7.01um 5.2MszX
N 12s 14.90um
pP 33 55.00 32kmX
sP 34 04.00
KMI 22.90 269 eP 33 55.00 2.2
2.0s 70.00nm 4.7mb
Z 14s 4.80um 5.1MszX
N 11s 8.50um
E 11s 2.40um
KUR 23.23 37 eP 34 02.00 6.5X
1.0s 170.00nm 5.5mb
Z 14s 2.70um 4.9MszX
N 14s 4.30um
E 14s 3.80um
eS 38 12.00
GTA 26.04 303 eP 34 21.00 -1.7
1.0s 6.00nm 4.1mb
Z 18s 6.68um 5.2Msz
N 15s 7.38um
PP 35 06.00
S 38 50.00
CHTO 28.27 257 e(P) 34 43.70 0.8
1.0s 2.25nm 3.8mb
ZAK 29.22 327 eP 34 55.00 3.9X
1.6s 14.00nm 4.4mb
Z 12s 4.80um 5.3MszX
E 14s 3.36um
e 35 57.00
eS 39 41.00
IRK 30.02 330 eP 35 08.70 10.4X
Z 14s 8.15um 5.5MszX
N 12s 3.98um
MOY 31.17 327 eP 35 11.00 2.6
BOD 31.36 346 eP 35 10.40 0.4
0.8s 11.00nm 4.7mb
SNG 33.31 237 eP 35 32.60 5.2X
UER 34.67 322 eP 35 42.80 4.1X
2.0s 10.00nm 4.4mb
WMQ 35.95 307 P 35 49.00 -0.9
0.5s 7.00nm 4.8mb
Z 14s 6.51um 5.5MszX
N 12s 6.57um
PP 37 11.00
PcP 38 19.50
eS 41 26.00
sS 41 34.60
PcS 42 03.00
SS 43 48.00
GUN 37.19 280 P 36 01.60 0.8
PKI 37.67 280 P 36 01.80 -3.0X
KKN 37.74 280 P 36 03.40 -1.9
DMN 37.92 280 P 36 04.00 -2.9X
GKN 38.26 281 P 36 07.40 -2.2
SEM 42.39 315 (P) 36 43.00 -0.1
1.4s 38.00nm 4.9mb
Z 14s 6.00um 5.6MszX
E 14s 5.00um
(S) 43 06.00
TLG 43.30 304 eP 36 57.00 6.3X
Z 14s 3.60um 5.4MszX
N 14s 2.40um
E 14s 2.60um
KSH 44.30 299 eP 37 02.00 3.0X
Z 16s 4.77um 5.5MszX
N 14s 7.51um
E 12s 2.73um
NDI 44.54 283 iPc 37 01.00 0.1
KHO 47.91 296 eP 37 27.30 -0.4
Z 13s 1.80um 5.2MszX
N 13s 0.60um
E 13s 2.00um
eS 44 29.40
WRA 48.09 172 P 37 29.00 0.2
0.7s 3.70nm 4.5mb
WB2 48.09 172 iPc 37 29.50 0.6
0.9s 9.30nm 4.8mb
GAR 48.71 299 eP 37 30.70 -3.1X
N 16s 4.20um
e 44 38.00
e 48 00.00
QIS 49.57 166 eP 37 40.00 -0.3
ILT 50.68 23 eP 37 49.00 0.8
ASPA 51.71 173 iPc 37 59.70 3.1X
1.3s 9.70nm 4.7mb
QUE 52.94 288 eP 38 06.80 0.8
SVE 54.79 322 eP 38 19.50 0.5
2.9s 50.00nm 5.0mb
Z 13s 1.10um 5.1MszX
N 13s 1.10um
E 13s 4.00um
eS 46 05.00
MAIO 57.62 297 eP 38 43.00 3.5X
ASH 58.15 299 eP 38 48.00 4.9X
IMA 59.93 27 eP 38 53.90 -1.4
PMR 62.33 32 eP 39 09.63 -1.7
MBC 68.08 14 eP 39 53.00 4.8X
YKA 76.91 25 eP 40 39.70 -0.7
0.8s 3.20nm 4.4mb
OJC 79.65 322 eP 41 04.10 8.4X
PNT 82.25 38 eP 41 15.00 5.6X
KHC 83.61 323 eP 41 32.50 16.1X
Z 18s 4.40um 5.9Msz
N 18s 1.30um
E 18s 4.10um
e 42 28.00
LRM 88.22 38 eP 41 46.30 6.8X
MSU 93.05 43 (P) 42 02.83 0.8
SRU 93.65 42 (P) 42 06.00 1.2
S.D. = 1.2 on 43 of 68 obs.

& JUN 03, 1992 03h 43m 14.33s
40.767 N 111.968 W
DEPTH = 4.3km
UTAH (478)
<SLC-P>. ML 2.1 (SLC). Felt in the northern part of the Salt Lake Valley.

DAU 0.65 123 ePc 43 27.39 0.1
DUG 0.86 229 eP 43 30.71 -0.8
HVU 1.18 329 eP 43 36.45 -0.6
eS 43 53.34
EMUT 1.30 137 eP 43 39.34 0.3
eS 43 56.86
SRU 1.99 146 ePn 43 48.86 -0.5
eS 44 18.16
MSU 2.26 184 ePn 43 54.45 1.3
6 obs. associated

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* JUN 03, 1992 03h 54m 34.97± 1.93s
3.451 S ±12.6km 145.482 E ±15.2km
DEPTH = 36.4 ± 16.1 km
4.9mb (5 obs.)
NEAR N COAST OF NEW GUINEA, PNG.(200)

WWKK 1.86 265 eP 55 05.00 -0.2
MNDI 3.24 214 eP 55 30.00 5.1X
LAT 3.52 155 eP 55 27.00 -1.6
PMG 6.15 164 eP 56 08.00 2.2
QIS 17.94 198 eP 58 42.70 -0.8
WB2 19.66 213 iPd 59 03.80 -0.2
0.9s 52.60nm 4.8mb
e 00 26.00
ASPA 23.00 208 iPd 59 38.40 0.6
1.2s 33.60nm 4.7mb
i 01 06.50
RMQ 23.12 173 eP 59 39.00 0.1
WARB 28.94 217 eP 00 33.00 -0.2
KMI 50.26 307 eP 03 32.00 1.6
1.5s 60.00nm 5.4mb
CHTO 50.86 298 e(P) 03 35.80 1.1
1.6s 7.87nm 4.4mb
LZH 55.30 319 eP 04 09.80 2.1X
1.5s 28.00nm 5.1mb
GUN 65.22 303 P 05 15.20 -0.6
PKI 65.51 302 P 05 16.80 -0.9
KKN 65.69 302 P 05 19.00 0.4
DMN 65.78 302 P 05 18.60 -0.7
GKN 66.29 303 P 05 21.60 -0.9
S.D. = 1.2 on 15 of 17 obs.

? JUN 03, 1992 04h 00m 38.29± 2.98s
5.994 S ±29.8km 150.345 E ±24.7km
DEPTH = 33.0km (normal)
4.8mb (4 obs.)
NEW BRITAIN REGION, P.N.G. (192)
ML 5.3 (PMG).

PMG 4.64 223 eP 01 49.00 1.1
eS 02 38.00
QIS 17.84 215 eP 04 45.00 -0.7
MTN 20.13 249 iPc 05 13.00 0.5
RMQ 20.44 184 iPd 05 16.80 1.1

0.8s 58.00nm 5.0mb
WB2 20.83 227 iPd 05 19.30 -0.4
0.4s 113.10nm 5.6mb
OLP 21.29 195 eP 05 24.00 -0.3
ASPA 23.65 220 iPc 05 45.80 -1.9
0.8s 20.30nm 4.7mb
i 05 49.50
STK 27.02 197 iPd 06 19.70 0.3
0.5s 4.40nm 4.3mb
WARB 30.25 226 eP 06 49.00 0.4
FORT 32.34 218 eP 07 06.00 -0.8
NANU 37.40 240 eP 07 51.00 0.8
S.D. = 1.0 on 11 of 11 obs.

& JUN 03, 1992 04h 20m 13.53s
40.768 N 111.964 W
DEPTH = 0.9km
UTAH (478)
<SLC-P>. ML 2.3 (SLC). Felt (IV) at the Salt Lake City Airport. Felt in the northern part of the Salt Lake Valley.

DAU 0.65 123 eP 20 26.41 0.0
DUG 0.86 229 eP 20 29.84 -1.0
HVU 1.18 329 ePd 20 35.72 -0.8
eS 20 52.05
EMUT 1.30 137 eP 20 38.38 -0.2
eS 20 58.11
SRU 1.99 146 ePn 20 48.68 -0.2
ePg 20 50.55
eS 21 14.55
PTI 2.12 352 (Pn) 20 49.60 -1.2
ePg 20 50.46
eS 21 17.96
MSU 2.26 184 ePn 20 51.67 -1.2
HPI 3.06 344 (P) 21 04.13 -0.1
ARUT 3.19 202 eP 21 11.88 5.9X
PV10 3.29 136 eP 21 10.00 2.5X
10 obs. associated

& JUN 03, 1992 04h 40m 02.80s
46.257 N 75.029 W
DEPTH = 18.0km (geophysicist)
SOUTHERN QUEBEC, CANADA (447)
<OTT-P>. mbLg 3.3 (OTT). Felt (IV) at Lac Nominingue.

TRQ 0.33 96 Pgc 40 09.51 -0.5
Sg 40 13.98
GRQ 0.67 302 Pgc 40 15.78 0.1
Sg 40 24.94
OTT 0.99 209 Pg 40 20.92 -0.1
Sg 40 33.66
MNT 1.24 127 Pg 40 25.78 0.6
Sg 40 42.35
DPQ 1.61 74 Pnd 40 30.21 -0.3
Sg 40 52.39
CKO 1.70 262 Pnc 40 32.24 0.4
Sg 40 55.34
RSNY 1.74 168 ePn 40 32.59 0.1
iS 40 55.00
EEO 2.82 279 eP 40 50.00 2.1
DAQ 3.10 55 Pnd 40 50.68 -1.2
Pg 40 54.80
Sg 41 35.76
BNH 3.14 121 (Pn) 40 59.90 7.6
eS 41 40.19
WEO 3.26 228 Pn 40 53.63 -0.4
Sg 41 44.62
WLVO 3.34 227 P 40 54.74 -0.4
S 41 34.27
ACTO 4.45 235 P 41 09.74 -1.2
S 42 00.06
TYNO 4.68 229 P 41 12.77 -1.5
S 42 05.60
TBR 5.15 173 (Pn) 41 32.61 11.8
ELF 5.43 238 P 42 22.80 58.0
S 42 50.60
LVNJ 5.45 178 (Pn) 42 12.70 47.6
MNQ 5.97 42 Pn 41 30.43 -2.0
Sg 43 05.89
18 obs. associated

& JUN 03, 1992 04h 44m 44.35s
36.477 N 121.044 W
DEPTH = 3.2km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.6 (GM).

PHAM 0.83 141 (Pn) 45 00.17 -0.7
PKEM 0.86 118 eP 45 02.09 0.6
S 45 16.78
ARN 0.95 336 ePn 45 02.90 -0.3
S 45 18.67
BCH 1.51 149 ePn 45 10.54 -1.8
4 obs. associated

? JUN 03, 1992 05h 04m 13.87± 5.78s
34.448 S ±36.1km 71.833 W ±30.3km
DEPTH = 30.9 ± 4.9 km
NEAR COAST OF CENTRAL CHILE (135)
MD 4.2 (SAN).

LNV 0.60 36 iPc 04 25.80 -0.2
LCCH 0.99 13 iPc 04 30.80 -0.9
iS 04 44.80
CACH 1.07 72 iPd 04 32.90 0.0
TACH 1.09 43 iPd 04 32.80 -0.2
CHCH 1.11 63 iPd 04 33.00 -0.3
PCH 1.37 53 iPd 04 36.80 -0.3
SAN 1.39 45 iP 04 37.30 -0.1
iS 04 54.20
IHA 1.43 6 iPc 04 38.40 0.6
eS 05 04.00
PEL 1.61 37 iPd 04 40.80 0.2
iS 05 00.30
ROCH 1.62 25 iP 04 40.80 -0.1
iS 05 00.90
FCH 1.70 49 iPd 04 41.70 -0.5
iS 05 03.40
JACH 2.04 31 iP 04 46.60 -0.3
iS 05 10.90
RTBS 3.42 36 iP 05 07.50 1.1
S 05 57.80
RTCB 3.90 42 iPd 05 13.50 0.3
S 06 05.00
CFA 4.14 48 e(P) 05 16.60 0.0
RTLL 4.20 43 ePc 05 16.70 -0.8
RTPR 6.11 49 e(P) 05 46.00 1.6
S.D. = 0.7 on 17 of 17 obs.

& JUN 03, 1992 05h 08m 30.95s
39.317 N 111.163 W
DEPTH = 0.6km
UTAH (478)
<SLC-P>. ML 3.3 (SLC), 3.5 (GS). Felt (III) at Price. Also felt at the Cottonwood Mine.

SRU 0.54 112 iPd 08 41.31 -0.4
EMUT 0.56 28 eP 08 42.23 0.0
eS 08 50.22
DAU 1.10 356 eP 08 52.13 -0.5
MSU 1.13 225 eP 08 52.10 -1.0
DUG 1.55 305 eP 08 59.17 -0.7
PV10 1.91 119 eP 09 06.59 1.4
ARUT 2.35 230 eP 09 12.13 0.6
HVU 2.75 334 eP 09 16.50 -0.7
PTI 3.67 346 (P) 09 34.97 4.8
GOL 4.50 83 ePn 09 42.33 0.2
ePg 09 52.84
eS 10 55.88
HPI 4.62 342 (P) 09 51.66 7.8
TNP 4.89 257 (P) 09 49.11 1.4
BONR 5.75 259 (P) 10 02.08 2.2
ALQ 5.76 138 eP 09 58.25 -1.7
0.8s 11.47nm 4.6mb X
LRM 6.57 352 eP 10 13.00 1.6
ACD 9.84 102 iPd 11 34.00 37.3
YKA 23.30 356 eP 13 40.50 -0.5
0.9s 2.90nm 3.8mb
17 obs. associated

JUN 03, 1992 06h 10m 54.32± 0.11s
51.130 N ± 2.8km 178.743 E ± 1.8km
DEPTH = 21.9km (geophysicist)
5.9mb (144 obs.) 5.9Msz (55 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS (6)
Mo=2.5*10**18 Nm (PPT). Felt (IV) on Amchitka. Two events about 2.8 seconds apart. Depth from broadband displacement seismograms, based on first event.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 68 Dip=70 Slip= 90
NP2: 248 20 90
Principal Axes:
T Plg=65 Azm=338
P 25 158
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 20 Focal mech. F
Energy 9.2±1.7*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 27 No. of sta: 32
Moment Tensor; Scale 10**18 Nm
Mrr= 1.31 Mtt=-1.27
Mff=-0.04 Mrt= 0.57
Mrf= 0.27 Mtf=-0.24
Principal axes:
T Val= 1.46 Plg=76 Azm=322
N -0.01 6 77
P -1.45 12 168
Best Double Couple:Mo=1.5*10**18
NP1:Strike=265 Dip=33 Slip= 101
NP2: 73 58 83
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 98C
Centroid Location:
Origin Time 06:10:58.6 0.1
Lat 51.27N 0.02 Lon 178.82E 0.02
Dep 15.0 FIX Half-duration 4.8
Moment Tensor; Scale 10**18 Nm
Mrr= 1.07 0.02 Mtt=-1.16 0.02
Mff= 0.10 0.02 Mrt= 1.53 0.05
Mrf= 0.59 0.04 Mtf=-0.17 0.02
Principal Axes:
T Val= 1.96 Plg=61 Azm=330
N 0.07 7 73
P -2.02 28 167
Best Double Couple:Mo=2.0*10**18
NP1:Strike=275 Dip=18 Slip= 113
NP2: 71 73 82

ADK 2.96 73 eP 11 43.10 2.2
SMY 3.29 301 eP 11 46.90 1.3
PET 12.50 287 eP 13 51.00 -2.6X
Z 16s 35.00um
N 14s 33.40um
E 16s 26.00um
eS 16 03.00
SDN 13.11 63 eP 14 02.00 0.3
Z 18s 47.60um
SKR 14.29 277 eP 14 16.00 -1.2
Z 20s 29.60um
N 16s 23.30um
E 20s 27.00um
ANM 15.83 26 eP 14 41.00 3.9X
ILT 16.87 3 iPc+ 14 52.00 1.7
1.6s 1600.00nm 5.9mb
Z 20s 50.00um 5.6Msz
N 20s 31.00um
E 18s 31.00um
iS 18 00.00
SVW 17.32 45 eP 14 58.60 2.6
0.8s 175.90nm 5.2mb
KDC 17.90 57 eP 15 02.20 -0.9
TTA 17.97 39 eP 15 06.10 2.0
MGD 18.03 311 iPc+ 15 04.00 -0.8
Z 15s 43.00um
N 15s 27.00um
E 15s 40.00um
iS 18 30.00
REF 18.44 48 eP 15 10.15 0.1
CRP 18.94 46 ePc 15 15.77 -0.3
SLKM 19.62 49 eP 15 20.42 -3.6X
PMR 20.42 47 eP 15 30.50 -1.8
0.7s 95.60nm 5.3mb
Z 18s 52.40um 5.9Msz
IMA 20.48 33 eP 15 33.40 0.4
1.5s 880.90nm 5.9mb
RND 21.12 42 eP 15 37.38 -2.1
KUR 21.31 266 iPc+ 15 42.00 0.5
1.0s 1510.00nm 6.4mb

e 15 58.00
iS 19 44.00
eSS 20 19.00
MID 21.33 54 eP 15 43.50 1.9
KLU 21.89 48 eP 15 45.23 -2.1
FBA 22.10 39 eP 15 48.80 -0.5
0.9s 290.80nm 5.7mb
BRW 23.09 20 eP 16 00.10 1.2
BALM 23.52 50 eP 16 01.58 -1.8
YSS 23.80 274 iPc 16 07.61 1.6
KUSJ 24.34 264 eP 16 10.30 -1.0
ASAJ 25.13 268 P 16 19.70 0.8
HOOJ 25.61 264 eP 16 22.90 -0.5
ERM 25.89 263 iPc 16 26.36 0.4
ec 16 28.51
SAP 26.48 267 eP 16 31.00 -0.5
MRRJ 26.97 266 eP 16 34.80 -1.2
SIT 27.15 59 eP 16 38.80 1.3
Z 20s 15.00um 5.6Msz
OFUJ 28.50 260 eP 16 50.20 0.3
TIK 30.10 331 iPc 17 02.00 -1.9
eS 22 00.00
KAKJ 31.23 257 P 17 14.30 0.2
NIIJ 31.29 259 P 17 07.80 -6.9X
CHJJ 32.05 258 P 17 22.10 0.7
MAJO 32.22 259 iPc 17 22.68 -0.2
ec 17 25.16
epPd 17 29.88 25kmX
ec 17 34.60
MAT 32.22 259 eP 17 23.00 0.1
1.3s 403.85nm 6.2mb
Z 20s 9.22um 5.5Msz
eS 22 38.00
MTMJ 32.44 259 P 17 25.70 0.8
MDJ 33.09 278 ePc 17 29.18 -1.1
1.0s 160.00nm 5.9mb
Z 21s 18.00um 5.8Msz
N 14s 7.84um
E 15s 8.43um
ec 17 30.83
ed 17 41.92
iPP 18 43.50
e 19 05.84
S 22 50.00
ScP 23 56.80
IIDJ 33.09 258 P 17 31.50 1.0
TSRJ 34.25 260 P 17 40.20 -0.3
MBC 34.41 22 ePc 17 41.50 0.0
1.0s 225.00nm 6.0mb
OPA 34.53 140 eP 17 43.98 0.9
HON 34.87 140 P 18 00.00 14.1X
Z 20s 13.00um 5.7Msz
DHH 35.00 140 eP 17 43.98 -3.0X
WKYJ 35.35 258 eP 17 50.50 0.5
YONJ 36.04 262 P 17 56.00 0.2
CN2 36.07 280 Pc 17 54.80 -1.1
1.0s 82.00nm 5.6mb
Z 20s 24.80um 6.0Msz
N 15s 9.03um
E 15s 5.55um
pP 18 06.00 40kmX
PP 19 21.00
TKSJ 36.47 260 P 17 59.60 0.3
PGC 36.50 71 eP 18 00.00 0.5
YKA 36.52 46 eP 17 58.50 -1.0
0.8s 55.90nm 5.5mb
BOD 36.78 306 iPc 18 01.60 -0.1
1.4s 1214.00nm 6.5mb
MCW 36.86 70 eP 18 03.42 0.9
HIA 36.94 291 iPc 18 02.06 -1.1
ec 18 04.46
epPd 18 08.84 23kmX
iPP 19 29.78
SHK 36.96 261 eP 18 04.00 0.5
GMW 37.40 72 ePc 18 07.84 0.7
epP 18 21.55 52kmX
BMW 37.65 74 ePc 18 09.95 0.7
RMW 38.03 72 eP 18 13.28 0.8
SHNJ 38.20 262 P 18 14.90 1.0
SNY 38.29 278 Pc 18 14.50 0.0
1.4s 640.00nm 6.2mb
Z 22s 13.70um 5.7Msz
N 18s 4.52um
E 17s 5.05um
pP 18 26.00 42kmX
PP 19 45.00
iS 24 10.00

LON 38.37 73 ePc 18 15.43 0.1
epPd 18 22.47 24kmX
SHW 38.38 74 eP 18 16.90 1.4
PNT 38.46 68 eP 18 15.00 -1.0
0.7s 53.00nm 5.4mb
COR 38.54 76 ePc 18 19.00 2.3
ec 18 21.15
esP 18 29.92
ePP 19 53.68
CIT 39.28 298 eP 18 23.00 0.2
Z 16s 25.24um 6.1MszX
e 20 00.00
KUMJ 39.43 261 P 18 25.20 1.0
VGB 39.61 74 eP 18 26.02 0.4
epP 18 40.89 58kmX
DPW 39.97 69 eP 18 27.87 -0.7
FHC 40.18 82 eP 18 31.53 1.2
1.1s 247.62nm 5.8mb
KAGJ 40.32 259 P 18 32.60 1.1
NEW 40.42 68 P 18 31.20 -1.0
0.9s 127.19nm 5.6mb
Z 18s 7.41um 5.6Msz
LBFM 41.17 80 eP 18 39.56 0.9
DL2 41.18 276 iPc 18 38.00 -0.5
1.1s 490.00nm 6.1mb
Z 15s 7.01um 5.7MszX
E 13s 5.03um
pP 18 50.00 44kmX
PP 20 15.00
eS 24 48.00
LTCM 41.68 81 (P) 18 43.93 1.3
NWRM 42.24 84 (P) 18 49.79 2.6X
ORV 42.45 82 eP 18 48.86 -0.1
SES 42.85 62 eP 18 50.00 -2.2
0.6s 44.00nm 5.4mb
pP 18 58.00 27kmX
NRI 43.64 329 iPc+ 18 57.00 -1.2
Z 19s 33.60um 6.3Msz
N 18s 9.39um
E 18s 11.50um
ARN 43.76 84 eP 19 00.13 0.4
BJI 43.91 281 ePc 19 00.29 -0.5
1.0s 160.00nm 5.8mb
Z 20s 12.60um 5.8Msz
N 17s 8.30um
epPd 19 07.40 24kmX
e 19 12.62
ePP 20 44.00
eS 25 30.00
eSS 28 40.00
eScS 28 57.00
CMB 44.06 83 eP 19 02.57 0.5
1.6s 309.67nm 5.9mb
IRK 44.23 302 ePc+ 19 02.80 -0.5
1.4s 312.00nm 6.0mb
Z 18s 37.48um 6.4Msz
N 18s 19.58um
E 18s 22.00um
e 19 17.20
e 20 48.00
eS 25 38.00
LRM 44.41 69 eP 19 04.50 -0.6
KVN 44.87 80 (P) 19 09.47 0.6
HPI 45.20 72 eP 19 11.47 -0.1
BONR 45.41 81 eP 19 14.05 0.8
PHAM 45.42 85 eP 19 13.51 0.5
PKEM 45.46 85 (P) 19 14.82 1.5
TIA 45.66 276 Pc 19 14.70 -0.2
1.3s 640.00nm 6.4mb
Z 18s 9.36um 5.8Msz
N 15s 4.75um
E 15s 5.09um
pP 19 26.00 40kmX
eS 25 51.00
ZAK 45.75 300 iPc+ 19 15.80 0.4
1.2s 600.00nm 6.4mb
Z 16s 21.58um 6.2MszX
N 15s 15.84um
E 15s 10.18um
e 21 08.00
eS 26 00.00
TNP 46.00 80 eP 19 17.85 0.0
0.7s 62.76nm 5.7mb
BCH 46.03 86 eP 19 18.27 0.3
epP 19 29.69 40kmX
HHC 46.27 285 iPc 19 20.60 0.9
1.4s 740.00nm 6.5mb

Z 20s 9.96um 5.8Msz
N 17s 11.60um
E 16s 6.16um
pP 19 32.00 40kmX
S 26 06.00
SS 29 17.00
MOY 46.30 303 iPc 19 20.00 0.3
1.2s 516.00nm 6.4mb
GUMO 46.37 228 eP 19 17.86 -2.8
1.3s 91.50nm 5.6mb
Z 23s 3.15um 5.2MszX
GUA 46.39 228 eP 19 15.50 -5.3X
0.6s 69.33nm 5.8mb
SSE 46.45 267 iPc 19 21.44 0.3
1.1s 480.00nm 6.4mb
Z 21s 7.50um 5.6Msz
N 17s 2.80um
E 15s 2.10um
epPd 19 28.64 24kmX
esPc 19 32.87
ePcP 20 55.30
ePP 21 09.86
S 26 06.00
ScS 29 13.00
HVU 46.51 74 ePc 19 21.80 0.1
ISA 46.74 84 ePc 19 22.20 -1.3
epPd 19 28.57 21kmX
ABL 46.79 85 eP 19 24.30 0.2
NJ2 47.27 270 iPc 19 27.00 -0.6
1.2s 420.00nm 6.4mb
N 17s 5.57um
E 14s 3.15um
sP 19 40.00
S 26 19.00
BTO 47.36 285 iPd 19 29.00 0.6
1.4s 740.00nm 6.5mb
N 15s 8.01um
E 15s 9.20um
pP 19 38.00 30kmX
PP 21 19.00
S 26 21.00
sS 26 35.00
SS 29 40.00
DUG 47.43 75 ePc 19 28.87 -0.1
1.5s 390.29nm 6.2mb
TIY 47.64 281 Pd 19 31.00 0.4
1.2s 360.00nm 6.3mb
Z 18s 9.99um 5.8Msz
N 15s 8.28um
E 15s 5.54um
sP 19 46.00
PP 21 21.00
sS 26 45.00
SS 29 39.00
PAS 47.90 85 (P) 19 32.77 0.2
GSC 48.01 83 eP 19 35.26 1.7
ec 19 37.99
epPd 19 40.64 18kmX
SSK 48.16 85 eP 19 35.14 0.3
DAU 48.24 74 ePc 19 35.89 0.3
ARUT 48.53 78 eP 19 37.37 -0.2
PEC 48.70 85 eP 19 37.72 -1.1
1.1s 39.68nm 5.4mb
MSU 48.85 77 ePc 19 40.09 -0.1
EMUT 48.88 74 eP 19 40.18 -0.2
PLM 49.24 85 eP 19 42.89 -0.3
SRU 49.49 75 ePc 19 44.89 -0.1
KBS 49.98 357 eP 19 53.00 5.0X
RSSD 50.28 66 P 19 49.00 -2.0
Z 18s 6.45um 5.7Msz
GLA 50.72 84 ePd 19 53.93 -0.4
epP 20 04.62 37kmX
ULM 51.10 55 eP 19 57.00 0.1
WHN 51.13 272 iPc 19 55.50 -1.8
1.1s 170.00nm 5.9mb
Z 22s 5.19um 5.5Msz
iS 27 12.00
ScS 29 45.00
XAN 52.18 279 Pc 20 04.30 -1.1
1.2s 270.00nm 6.1mb
N 15s 9.84um
E 14s 6.97um
PP 22 05.00
S 27 28.00
GOL 52.22 71 iPc 20 05.94 0.0
1.1s 155.75nm 5.9mb
Z 19s 7.26um 5.7Msz

03d 06h

```
                ec      20 08.76
                epPd    20 11.65  19kmX
                e       20 17.53
GLD   52.28  71 P       20 10.00   3.7X
   Z  18s    10.12um           5.9Msz
OZH   52.38 264 iPc     20 07.00   0.1
      1.4s  760.00nm           6.4mb
   N  14s     1.49um
                pP      20 19.50  45kmX
                S       27 34.50
LZH   53.96 285 iPc     20 18.65   0.0
      1.5s  990.00nm           6.6mb
   Z  20s    16.00um           6.1Msz
   N  15s     8.10um
                ec      20 21.22
                epPd    20 25 52  23kmX
                PcP     21 23.00
                ePP     22 20.15
                ScP     25 15.00
                PcS     25 22.00
                S       27 54.00
                ScS     30 04.00
                SS      31 36.50
GDH   53.98  20 ePc     20 16.07  -2.0
      1.5s  444.44nm           6.3mb
                epPd    20 23.94  26kmX
                ed      20 28.24
                i       20 31.00
                e       22 16.00
                e       27 40.00
GTA   54.22 290 iPc     20 20.00  -0.5
      1.5s  600.00nm           6.4mb
   Z  16s    34.30um           6.5MszX
   E  16s    19.00um
                pP      20 31.00  37kmX
                PP      22 22.00
                S       27 54.00
                SS      31 38.00
ENH   54.37 276 iPc     20 20.23  -1.3
                ec      20 22.47
                epPd    20 27.19  23kmX
                ePP     22 23.96
ANMO  54.66  76 ePc     20 23.26  -0.6
                ec      20 26.32
                epPd    20 30.71  24kmX
                ed      20 35.84
ALQ   54.66  76 eP      20 23.54  -0.3
      1.3s  113.06nm           5.7mb
   Z  20s     6.89um           5.7Msz
GZH   57.02 266 iPc     20 40.00  -0.7
      1.0s  210.00nm           6.1mb
   Z  16s     4.75um           5.7MszX
   N  15s     4.09um
   E  13s     2.98um
                iS      28 36.00
HKC   57.07 265 eP      20 42.10   1.0
BCP   57.49 255 eP      20 41.00  -3.1X
CD2   57.51 280 iPc     20 43.10  -1.1
      1.2s  340.00nm           6.3mb
   Z  16s     6.60um           5.8MszX
   N  14s     7.54um
                sP      20 56.00
                PP      22 53.00
                S       28 40.00
                sS      28 58.00
                ScS     30 30.00
SEM   57.51 311 iPc+    20 42.70  -1.2
      2.0s  820.00nm           6.4mb
   Z  16s    17.00um           6.2MszX
   N  16s    10.00um
   E  16s    14.00um
                ipP     20 56.80  51kmX
                i       21 36.30
                e       22 48.00
                eS      28 37.50
                i       30 29.70
                e       34 49.00
KEV   57.67 349 iP      20 44.00  -0.8
      1.0s   32.00nm           5.3mb
   Z  22s     9.00um           5.8Msz
                ePP     22 52.00
                eS      28 40.00
                eSS     32 48.00
                LR      44 20.00
ACO   57.89  70 iPc     20 45.90  -0.9
WMQ   58.17 302 iPc     20 48.19  -0.5
      1.5s  300.00nm           6.1mb

   Z  20s    37.40um           6.5Msz
   N  18s    22.10um
                e       20 50.84
                epPd    20 54.81  22kmX
                ed      21 00.77
                PcP     21 34.50
                ePP     22 57.38
                e       24 22.07
                PcS     25 43.00
                S       28 44.00
                SS      32 37.00
TRO   58.65 352 eP      20 50.50  -1.1
TAY   58.75 253 eP      20 52.00  -0.9
GYA   58.81 274 P       20 52.00  -1.4
      1.4s  290.00nm           6.2mb
   Z  20s    13.90um           6.1Msz
   N  20s     4.72um
   E  20s     3.18um
                pP      21 04.00  42kmX
                PP      23 04.00
                S       28 57.00
PLP   59.01 247 ePd     20 53.00  -1.7
TGY   59.09 253 ePd     20 55.00  -0.2
MEO   59.53  71 iPc     20 57.20  -1.0
OCO   59.68  70 e(P)    21 00.20   1.0
FNO   59.91  70 iPd     21 00.20  -0.6
FKO   59.91  70 iPd     21 01.10   0.3
MAP   60.26 248 eP      21 01.00  -2.3
TUL   60.41  69 eP      21 02.90  -1.2
      1.2s  180.10nm           6.1mb
   Z  18s     6.82um           5.8Msz
                e       21 15.70
                e       22 04.00
                LR      43 29.00
LNO   60.41  69 eP      21 02.50  -1.5
                e       21 15.50
                e       22 03.50
BIP   60.65 244 ePd     21 05.00  -1.0
RLO   60.68  68 eP      21 04.40  -1.6
                e       21 16.20
VVO   60.83  69 eP      21 06.40  -0.6
                e       22 06.10
SVE   60.97 326 iPc+    21 08.00   0.3
      2.1s 1340.00nm           6.7mb
                ePPP    25 00.00
                iS      29 24.00
                e       30 58.00
                eSSS    36 00.00
CGP   61.35 246 ePc     21 09.00  -1.7
CCM   61.54  64 eP      21 09.41  -2.4
      1.5s  132.23nm           5.9mb
   Z  19s     4.63um           5.7Msz
SLM   61.70  63 P       21 20.00   7.1X
   Z  20s     3.41um           5.5Msz
EEO   61.89  50 eP      21 13.00  -1.1
ARU   62.00 327 iPc+    21 14.30  -0.4
      1.0s 1400.00nm           7.1mb X
   Z  20s    17.00um           6.2Msz
   N  16s     8.00um
   E  18s    18.50um
                e       21 23.00
                e       21 28.00
                e       21 53.00
                e       23 30.00
                eS      29 39.00
                e       29 47.00
                ePS     29 55.00
                e       30 08.00
FVM   62.05  63 eP      21 12.93  -2.4
      0.5s   75.65nm           6.1mb
   Z  19s     7.46um           5.9Msz
OIZ   62.21 266 ePc     21 17.11   0.6
      1.3s  210.00nm           6.1mb
   N  19s     2.98um
   E  18s     3.57um
                epPd    21 22.66  18kmX
                esPc    21 28.54
                ePP     23 31.03
KMI   62.22 276 iPc     21 15.48  -1.4
      1.5s  490.00nm           6.4mb
   Z  22s     5.20um           5.7Msz
   N  15s     4.20um
   E  15s     5.50um
                epPd    21 22.52  23kmX
                ed      21 28.40
                ePP     23 31.14
                S       29 40.00

WWKK  62.25 220 eP      21 15.10  -1.7
HNR   62.47 201 eP      21 18.00  -0.2
AKU   62.80   8 iP      21 20.20   0.4
      1.3s  261.54nm           6.2mb
   Z  20s    12.77um           6.1Msz
                i       21 34.70
MZX   62.88  86 (P)     21 20.00  -0.9
OLY   63.20  66 eP      21 20.74  -2.2
LST   63.47  64 eP      21 24.28  -0.4
ACTO  63.59  53 P       21 24.36  -1.0
LAT   63.71 216 eP      21 39.10  12.8X
GRT   63.83  64 eP      21 27.85   0.8
TLG   63.92 307 eP      21 28.00   0.4
   Z  17s     9.00um           6.0MszX
   N  16s     6.60um
   E  16s     4.30um
                e       23 47.00
                eS      30 02.00
                eSS     34 04.00
REY   63.95  10 eP      21 27.40   0.0
TYNO  64.06  53 P       21 27.25  -1.2
WLVO  64.19  51 P       21 29.21   0.0
STCO  64.33  52 P       21 25.76  -4.4X
KAF   65.00 346 iP      21 32.10  -2.1
      0.6s   33.10nm           5.7mb
PWLA  65.52  64 eP      21 36.30  -1.7
RSNY  65.60  49 P       21 50.00  11.7X
   Z  18s    16.13um           6.3Msz
AAK   65.82 308 iPc     21 39.66  -0.4
                ec      21 42.39
                epPd    21 45.87  20kmX
LSA   66.06 288 iPc     21 42.43   0.4
   N  15s     6.51um
   E  15s     3.42um
                epPd    21 49.47  23kmX
                ed      21 55.84
                PcP     22 09.00
                ePP     24 06.52
                S       30 31.00
PMG   66.20 214 eP      21 54.00  11.6X
PUL   66.54 343 ePc     21 43.00  -1.1
   Z  22s     8.50um           5.9Msz
   N  22s     7.50um
   E  25s     4.20um
                e       22 12.00
                ePPP    25 46.00
                eS      30 25.00
                ePPS    31 03.00
                eSS     34 50.00
MCWV  66.59  56 P       21 50.00   5.3X
   Z  20s     8.03um           5.9Msz
NUR   66.78 346 eP      21 44.00  -1.6
      0.6s   41.70nm           5.8mb
   Z  24s     8.00um           5.9MszX
                ePPP    26 04.00
                eS      31 04.00
                eSS     35 36.00
                eSSS    38 28.00
                eP'P'   50 18.00
                LR      50 20.00
BNH   67.09  47 eP      21 45.47  -2.4
TKL   67.43  61 eP      21 48.68  -1.5
KSH   67.44 305 P       21 50.50   0.2
      1.1s  540.00nm           6.6mb
   Z  16s    15.50um           6.3MszX
   N  14s     6.10um
   E  14s    11.30um
                S       30 42.00
                sS      30 57.00
NB2   67.74 353 P       21 49.90  -1.8
      1.2s  148.50nm           6.0mb
NAV   67.82  58 eP      21 51.23  -1.4
BLA   68.10  58 eP      21 52.59  -1.8
      0.8s   26.75nm           5.4mb
KKM   68.27 252 ePc     21 55.70   0.0
      1.9s  462.80nm           6.3mb
LVNJ  68.30  52 eP      21 53.81  -1.7
TBR   68.32  51 eP      21 53.86  -1.7
UPP   68.32 350 iP      21 53.40  -1.9
      1.1s  300.00nm           6.3mb
                iS      30 52.00
PNJ   68.53  51 iP      21 55.00  -1.9
HRV   68.55  48 ePc     21 55.43  -1.6
      1.3s   81.54nm           5.7mb
   Z  19s     7.95um           6.0Msz
                ec      21 57.25
                epPd    22 01.38  19kmX
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CVL 68.56 56 eP 21 55.65 -1.5
TSM 68.68 249 ePc 21 58.40 0.3
MOS 68.72 338 iPc 21 58.00 0.2
Z 17s 25.00um 6.5MszX
N 18s 19.00um
E 18s 12.00um
e 22 22.00
e 24 33.00
ePPP 26 09.00
eS 30 53.00
MRX 68.74 85 (P) 22 00.00 1.6
NA2 68.82 55 eP 21 57.63 -1.1
LMN 68.95 42 eP 21 59.00 -0.4
CBN 68.95 55 eP 21 59.00 -0.5
e 22 13.00
e 22 24.00
KONO 69.23 354 ePc 21 59.60 -1.3
ec 22 01.67
epPd 22 05.64 19kmX
CHG 69.23 274 ePc 22 01.50 -0.1
1.0s 70.25nm 5.8mb
eS 31 04.00
CHTO 69.23 274 iPc 21 59.95 -1.6
ec 22 02.60
ec 22 12.20
ePP 24 35.38
PRM 69.37 61 eP 22 01.26 -0.9
OBN 69.54 338 eP+ 22 01.50 -1.4
1.1s 320.00nm 6.4mb
Z 17s 17.60um 6.4MszX
N 18s 8.30um
E 18s 13.00um
iPcP 22 16.00
iPPP 24 36.00
iPPP 26 20.00
eS 31 00.00
ePS 31 45.00
eScS 32 14.00
eSS 35 48.00
eSSS 39 04.00
LR 44 20.00
CEH 69.79 58 eP 21 53.65 -11.1X
Z 20s 11.41um 6.1Msz
JSC 69.83 60 eP 22 03.53 -1.5
LHS 69.93 60 eP 22 04.11 -1.5
BDT 70.36 273 eP 22 08.00 -0.4
0.8s 77.90nm 5.9mb
GUN 70.51 290 Pc 22 08.80 -0.8
GAR 70.64 308 iP 22 09.80 -0.2
N 18s 8.50um
iS 31 20.00
III 70.81 84 (P) 22 10.50 -0.9
NST 70.83 271 eP 22 13.50 2.2
KKN 70.95 291 Pc 22 11.40 -0.8
PKI 71.04 290 Pc 22 11.80 -1.0
IIT 71.05 83 (P) 22 17.00 4.1X
SGS 71.06 61 eP 22 12.05 -0.4
epP 22 26.61 52kmX
GKN 71.17 291 Pc 22 12.40 -1.0
DMN 71.19 291 Pc 22 12.80 -0.9
KHO 71.20 307 iPc+ 22 27.20 13.6X
Z 17s 4.80um 5.8MszX
N 17s 4.00um
E 17s 4.10um
i 22 36.00
e 24 50.00
eS 31 30.00
ePPS 31 54.00
e 32 12.00
HBF 71.33 61 eP 22 13.62 -0.5
epP 22 27.96 51kmX
IISM 71.66 82 (P) 22 16.50 0.3
LVVM 71.68 81 (P) 22 17.00 0.7
PMO 72.01 146 iP 22 19.40 1.2
1.2s 45.00nm 5.4mb
TPT 72.09 146 iP 22 20.20 1.5
1.2s 75.00nm 5.6mb
VAH 72.32 146 iP 22 21.10 1.1
1.2s 45.00nm 5.4mb
RUV 72.36 146 iP 22 21.40 1.1
1.2s 80.00nm 5.6mb
KHT 72.47 272 eP 22 20.30 -0.8
EDU 72.68 1 ePd 22 20.60 -1.1
1.2s 79.00nm 5.6mb
ELO 72.75 1 ePd 22 20.90 -1.2
1.0s 43.00nm 5.4mb
EBH 72.97 1 ePd 22 21.70 -1.8
1.1s 66.00nm 5.6mb
EAB 73.02 2 ePd 22 23.00 -0.7
1.4s 78.00nm 5.6mb
EDI 73.30 1 ePd 22 24.40 -0.9
1.2s 51.00nm 5.4mb
ESY 73.32 1 ePd 22 24.40 -1.0
1.2s 54.00nm 5.5mb
EAU 73.38 1 ePd 22 25.30 -0.5
1.0s 117.00nm 5.9mb
NNT 73.41 270 eP 22 25.40 -1.2
EBL 73.46 1 ePd 22 24.00 -2.3
1.3s 62.00nm 5.5mb
OXX 73.50 83 (P) 22 28.00 0.7
DZM 73.68 192 iPc 22 29.80 1.8
AFR 73.73 149 eP 22 30.00 1.8
1.2s 80.00nm 5.6mb
ESK 73.91 1 ePc 22 27.18 -1.7
ec 22 30.49
epPd 22 34.14 22kmX
NDI 74.92 297 iPc 22 34.00 -1.2
iS 32 21.00
DMU 75.24 3 eP 22 36.10 -0.5
1.2s 255.00nm 6.1mb
DCN 75.78 4 eP 22 39.90 0.3
1.4s 356.00nm 6.2mb
DLF 75.85 3 eP 22 40.50 0.4
1.4s 618.00nm 6.5mb
MTN 75.95 228 eP 22 40.20 -0.9
e 22 54.00
WIT 76.22 355 eP 22 43.00 0.9
CTA 76.44 211 P 22 44.50 0.7
CTAO 76.44 211 ePc 22 43.43 -0.3
ETA 76.47 3 eP 22 44.10 0.6
ECB 76.77 3 eP 22 45.80 0.5
1.4s 294.00nm 6.1mb
KAT 76.95 318 iP+ 22 48.00 1.6
Z 20s 16.00um 6.3Msz
N 18s 12.00um
E 18s 10.00um
e 22 59.00
e 25 49.00
eS 32 38.00
i 32 51.00
ePS 33 23.00
eSS 40 49.00
ECP 76.98 3 eP 22 47.00 0.6
SNG 77.00 265 eP 22 46.50 -0.6
eS 32 30.00
DBN 77.00 356 eP+ 22 46.00 -0.5
Z 20s 2.10um 5.5Msz
e 24 40.00
ePPP 27 29.00
eS 32 36.00
eSS 37 38.00
WTS 77.02 355 eP 22 47.00 0.4
1.2s 85.00nm 5.7mb
VAL 77.03 6 iP 22 47.70 1.1
S 32 35.00
ASH 77.09 316 iPc 22 49.00 1.7
1.2s 370.00nm 6.3mb
Z 18s 16.77um 6.4Msz
e 25 42.00
ePPP 27 27.00
eS 32 34.00
e 32 50.00
ePS 33 18.00
eSS 37 39.00
LVV 77.14 344 iP+ 22 47.00 -0.4
Z 16s 19.80um 6.5MszX
N 18s 13.30um
E 17s 11.30um
e 25 47.00
iS 32 35.00
iPS 33 24.00
CLL 77.22 351 iP 22 47.70 -0.1
1.5s 63.00nm 5.4mb
Z 18s 5.50um 5.9Msz
eS 32 32.00
KSP 77.32 349 iPd 22 48.50 0.2
ePP 25 49.50
e 27 55.50
OJC 77.45 346 iPc 22 49.50 0.4
1.2s 225.00nm 6.1mb
Z 17s 10.40um 6.2MszX
N 17s 7.40um
E 17s 7.60um
i 23 02.60
eS 32 34.00
GRO 77.45 327 iPc+ 22 50.00 0.9
1.5s 1200.00nm 6.7mb
eS 32 44.00
iPS 33 42.00
BRG 77.56 350 iPc 22 49.20 -0.4
1.3s 34.00nm 5.2mb
N 18s 2.00um
E 18s 6.00um
i 22 55.80
i 23 00.70
e 32 40.00
i 33 28.00
PYA 77.72 329 iPc 22 51.00 0.3
1.0s 1000.00nm 6.8mb
i 23 04.00
ePPP 27 40.00
iS 32 42.00
RAC 77.81 347 eP 22 52.00 1.0
Z 18s 9.00um 6.1Msz
N 18s 10.00um
E 18s 9.00um
e 33 08.00
KIV 77.92 329 iPc 22 52.41 0.5
epPd 22 59.45 22kmX
ed 23 04.58
ePP 25 50.85
iS 32 46.40
iPS 33 12.20
eSS 37 37.80
MAIO 77.94 314 iPc+ 22 53.00 0.9
i 25 31.00
eS 33 16.00
MOX 78.01 352 eP+ 22 51.30 -0.9
1.6s 75.00nm 5.5mb
Z 18s 3.10um 5.7Msz
N 18s 2.80um
E 18s 2.70um
eS 33 00.00
BNS 78.03 355 iPc 22 52.10 -0.1
Z 16s 9.70um 6.2MszX
ENN 78.30 355 eP 22 52.00 -1.7
1.1s 107.00nm 5.8mb
HOF 78.32 351 iPd 22 54.20 0.3
PRU 78.36 350 P 22 53.90 -0.2
1.4s 41.70nm 5.3mb
Z 20s 5.30um 5.9Msz
N 16s 4.90um
E 16s 2.80um
e 23 05.60
PP 25 49.00
eS 32 43.70
SPC 78.38 346 eP 22 54.40 -0.1
BAK 78.51 323 iPc 22 58.00 3.0X
Z 16s 47.50um 6.9MszX
N 18s 75.80um
E 16s 30.10um
iS 32 55.00
UZH 78.59 344 ePc 22 55.00 -0.3
e 25 58.00
eS 32 55.00
iPS 33 45.00
ANN 78.71 333 eP 22 56.00 0.0
e 25 50.00
eS 32 52.00
IPM 78.74 263 Pc 22 55.60 -1.1
1.3s 106.80nm 5.7mb
SHE 78.77 324 iPc+ 22 58.00 1.6
1.0s 450.00nm 6.5mb
Z 18s 6.00um 6.0Msz
N 18s 7.00um
E 18s 14.00um
ipP 23 10.00 40kmX
i 25 52.00
iS 32 56.00
KIS 78.85 340 iPc+ 22 56.00 -0.8
1.5s 170.00nm 5.9mb
Z 17s 20.80um 6.5MszX
N 16s 13.50um
E 16s 4.30um
i 23 13.00
e 25 54.00
iS 32 52.00
iPS 33 38.00
eSS 38 05.00
IAS 78.97 340 eP 23 01.00 3.6X
GRF 78.99 352 iPd 22 58.80 1.2

03d 06h

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          1.3s  121.00nm            5.8mb
       Z  21s   4 00um              5.7Msz
SOC      79.18 331 iPc+  22 59.00   0.4
          3.0s  290.00nm            5.8mb
                   e     25 58.00
                   eS    32 50.00
                   eSS   38 04.00
MTA      79.21 327 iPc+  22 59.20   0.4
       Z  17s     7.00um            6.1MszX
       N  17s     6.00um
       E  17s    17.50um
                   ePPP  26 01.00
                   iS    33 00.00
                   i     33 50.60
OIS      79.23 217 eP    22 57.00  -2.1
          1.2s  114 00nm            5.8mb
                   i     23 10.00
OUE      79.28 305 iPc+  23 00.70   1.0
          1.0s  137.50nm            5.9mb
                   e     25 57.80
                   ePP   26 04.10
                   e     27 07.90
                   eS    33 04.90
KGM      79.30 260 eP    23 00.50   0.8
BMR      79.31 343 ePd   23 01.00   1.7
KHC      79.32 350 Pd    23 00.00   0.6
          1.4s   92.00nm            5.6mb
       Z  20s     6.00um            5.9Msz
       N  20s     3.80um
       E  18s     6.00um
                   e     23 17.60
WET      79.38 351 iPd   23 00.40   0.7
                   i     23 02.20
PTT      79.46 341 eP    23 00.00  -0.1
SIM      79.52 335 eP+   23 00.00  -0.5
                   e     25 56.00
                   ePPP  27 54.00
                   eS    33 10.00
                   ePS   33 58.00
GEC2     79.59 350 Pc    22 59.70  -1.2
          1.1s   32.84nm            5.3mb
PSZ      79.67 346 ePc   23 01.80   0.4
ZST      79.81 348 iP    23 03.60   1.6
SRO      80.01 347 iP    23 06.36   3.3X
BUD      80.23 346 P     23 03.50  -0.7
KMR      80.32 350 iP+   23 04.40  -0.3
VRI      80.40 341 ePd   23 06.00   0.8
FLN      80.49 359 eP    23 04.60  -0.9
          1.3s  158.15nm            5.9mb
       Z  21s     4.68um            5.8Msz
FUR      80.50 352 iPc   23 06.10   0.4
BCA      80.51 329 eP    23 02.70  -3.1X
CVO      80.56 341 eP    23 08.00   1.9
WLS      80.56 354 P     23 06.56   0.5
CDF      80.57 354 P     23 06.31   0.2
GRS      80.61 325 iPc+  23 07.00   0.4
          1.5s  650.00nm            6.4mb
                   e     26 12.00
                   eS    33 10.00
                   eSS   38 24.00
LDF      80.65 359 eP    23 05.30  -1.1
          1.2s   92.85nm            5.7mb
ERE      80.66 326 iP    23 08.00   1.2
          1.3s   10.00nm            4.7mb X
                   i     26 16.00
                   iS    33 18.00
                   iPS   34 15.00
BRD      80.67 340 eP    23 07.00   0.4
WB2      80.77 222 iPc   23 06.20  -1.2
          0.8s   21.90nm            5.2mb
                   ipP   23 20.00  47kmX
WRA      80.78 222 P     23 06.80  -0.6
          0.7s   13.70nm            5.1mb
BHG      80.78 350 iPd   23 08.20   1.0
LIBD     80.81 354 P     23 06.19  -1.1
VITF     80.84 355 P     23 07.61   0.1
GRR      80.86 360 eP    23 06.90  -0.6
          1.0s   82.40nm            5.7mb
MLR      80.93 341 ePd   23 09.00   0.9
HAU      81.03 355 eP    23 07.70  -0.8
          1.2s   55.35nm            5.5mb
       Z  21s     5.70um            5.9Msz
FEL      81.05 354 P     23 08.20  -0.6
SLE      81.13 353 ePd   23 09.50   0.5
MOF      81.14 354 P     23 08.72  -0.4
DEV      81.14 343 ePc   23 13.00   3.9X
ISR      81.14 340 eP    23 10.00   0.8

UZD      81.17 346 eP    23 09.80   0.6
BSF      81.18 355 P     23 08.85  -0.5
LPF      81.22 360 eP    23 08.90  -0.5
          1.3s  148.00nm            5.9mb
WATA     81.30 351 iPc   23 10.30   0.2
MOTA     81.33 352 iPc   23 10.50   0.2
MTUR     81.36 342 eP    23 15.00   4.6X
WTTA     81.36 351 iPc   23 10.20  -0.3
          1.1s  151.00nm            5.9mb
                   i     23 11.50
KBA      81.37 350 iPc   23 10.50   0.0
          1.2s  308.00nm            6.2mb
                   i     23 12.00
ZLA      81.42 353 ePd   23 11.40   0.8
SOTA     81.45 351 iPc   23 11.40   0.6
BBS      81.50 354 P     23 10.09  -0.9
TIM      81.58 344 iPc   23 13.00   1.7
BZS      81.63 344 eP    23 10.00  -1.6
LOMF     81.65 354 P     23 11.79  -0.1
RMO      81.68 207 eP    23 12.50   0.5
          1.2s  319.00nm            6.2mb
                   i     23 26.40
TAB      81.88 324 eP    23 29.00  15.8X
LOR      81.88 356 eP    23 12.20  -0.7
          1.5s   94.00nm            5.6mb
TEH      81.93 319 eP    23 16.00   2.5
LLS      81.98 353 ePd   23 14.80   1.1
DRA      82.04 342 iPc   23 17.00   3.2X
OSS      82.07 352 ePd   23 15.30   1.2
SSF      82.10 357 eP    23 13.60  -0.5
          1.3s   78.35nm            5.6mb
LBF      82.16 356 eP    23 13.50  -0.9
          1.1s   29.05nm            5.3mb
PTJ      82.21 348 iP    23 14.10  -0.7
ZAG      82.29 348 ePc   23 14.50  -0.6
VDL      82.33 353 ePc   23 17.30   1.8
AVF      82.38 357 eP    23 14.90  -0.6
          1.2s   73.80nm            5.6mb
SMF      82.51 356 eP    23 15.60  -0.6
          1.1s   80.60nm            5.7mb
VVI      82.55 350 P     23 17.20   0.7
          0.2s    9.60nm            5.5mb
CTI      82.56 351 P     23 16.10  -0.5
KVT      82.57 332 iP    23 19.00   2.4
BEO      82.60 345 iP    23 17.50   0.9
BGF      82.63 357 eP    23 16.20  -0.6
          1.3s   69.30nm            5.6mb
MFF      82.65 359 eP    23 16.50  -0.4
          1.1s   56.15nm            5.6mb
TRI      82.67 349 P     23 16.60  -0.4
TMA      82.75 353 ePc   23 18.20   0.5
HYB      82.84 289 iPc   23 18.10  -0.3
          1.2s  271.40nm            6.3mb
                   i     23 31.00
                   eS    33 35.00
MMK      82.87 354 ePc   23 19.70   1.3
DIX      82.88 354 ePc   23 18.80   0.3
TCF      82.92 358 eP    23 17.80  -0.6
          1.2s   38.10nm            5.4mb
EMS      82.92 354 ePc   23 20.50   1.9
RIY      82.96 349 eP    23 18.20  -0.3
LSF      82.97 358 eP    23 17.90  -0.7
          1.4s   85.80nm            5.7mb
MAF      82.97 357 eP    23 18.30  -0.3
          1.1s   38.10nm            5.4mb
VAI      83.00 353 P     23 19.30   0.6
MDI      83.01 352 P     23 18.90   0.1
SAL      83.11 352 P     23 19.40   0.1
AGO      83.13 357 P     23 20.40   1.0
OLP      83.14 211 eP    23 19.70   0.2
                   i     23 33.70
PLDF     83.19 357 P     23 20.82   1.0
TRHT     83.20 332 iP    23 21.00   1.0
ORO      83.30 353 P     23 21.00   0.6
RSL      83.32 354 P     23 21.36   0.7
PYM      83.43 357 P     23 21.54   0.5
LPL      83.49 354 eP    23 21.80   0.2
          1.0s   36.20nm            5.5mb
LPG      83.51 354 eP    23 22.20   0.5
          1.2s   66.95nm            5.7mb
SVST     83.51 331 eP    23 23.00   1.4
LSD      83.52 354 P     23 22.86   1.1
DVR      83.61 335 eP    23 24.00   1.9
COLF     83.64 356 P     23 22.92   0.8
RSP      83.82 354 P     23 23.38   0.3
SSB      83.84 356 P     23 23.93   0.8
RJF      83.92 358 eP    23 22.90  -0.6

          1.4s   95.40nm            5.8mb
       Z  21s     5.70um            5.9Msz
LBL      83.94 357 P     23 23.60  -0.1
BNI      83.95 354 P     23 25.40   1.6
DMK      84.03 339 iP    23 24.50   0.4
BOB      84.04 352 P     23 24.70   0.5
RRL      84.08 354 P     23 25.84   1.3
BHB      84.13 354 P     23 25.25   0.7
SGKT     84 15 335 iP    23 25.50   0.5
ASPA     84.28 221 iPd   23 25.30  -0.1
          0.9s   40.00nm            5.6mb
                   iPcP  23 38.70
                   i     24 58.70
                   eS    33 44.50
CAF      84.28 358 eP    23 25.20  -0.1
          1.5s  145.20nm            6.0mb
LFF      84.30 359 eP    23 25.10  -0.2
          1.4s  177.75nm            6.1mb
PCP      84.33 353 P     23 25.84   0.2
MYA      84.37 330 eP    23 27.50   1.6
DOI      84.46 354 P     23 25.70  -0.6
CKI      84.47 353 P     23 26.90   0.7
PZZ      84.47 354 P     23 26.25  -0.2
MME      84.49 351 P     23 28.00   1.3
CTT      84.52 338 iP    23 27.00   0.5
LPO      84.55 358 eP    23 26.20  -0.4
          1.1s   96.95nm            5.9mb
GBZT     84.61 337 iPc   23 27.00   0.0
ROB      84.63 353 P     23 26.45  -0.7
BDI      84.63 351 P     23 27.20   0.0
BBTK     84.64 334 eP    23 29.00   1.7
ARMA     84.65 203 eP    23 29.00   1.8
          1.1s  136.00nm            6.1mb
                   i     23 41.80
SFI      84.65 351 P     23 28.90   1.8
FIN      84.69 353 P     23 27.38   0.0
NAL      84.69 336 iP    23 28.50   0.9
GYN      84.70 336 iP    23 28.50   0.9
PGD      84.71 351 P     23 29.30   1.6
STV      84.72 354 P     23 26.66  -0.9
ENR      84.73 354 P     23 27.07  -0.6
HVAR     84.82 347 iP    23 28.60   0.6
YLV      84.84 337 iP    23 28.00  -0.2
FIR      84.85 351 iPc   23 29.00   0.9
                   iS    33 52.00
GPA      84.87 336 eP    23 20.00  -8.3X
CRE      84.93 350 P     23 29.90   1.2
ARV      84.95 350 P     23 29.80   1.1
PII      84.98 351 P     23 29.00   0.3
IMI      85.01 353 P     23 29.43   0.4
IZI      85.03 337 iP    23 28.50  -0.7
SBF      85.09 354 eP    23 28.90  -0.5
          1.2s  169.00nm            6.1mb
SKO      85.19 343 iP    23 31.00   1.1
          1.4s  236.00nm            6.2mb
       Z  19s     7.23um            6.1Msz
                   i     23 47.00
                   i     24 18.20
                   iPP   26 49.00
                   iPPP  28 45.00
                   iSKS  33 48.00
                   iSP   35 02.00
                   iSS   39 52.00
                   i     43 09.00
                   LR    07 56.00
ALN      85.30 340 iP    23 31.22   0.8
CDR      85.38 355 ePc   23 30.00  -0.8
KCT      85.39 338 iP    23 32.00   1.1
BNT      85.39 338 iP    23 32.00   1.1
ASS      85.40 350 P     23 31.80   0.8
EDC      85.41 338 iP    23 32.00   1.0
FRF      85.44 354 eP    23 30.60  -0.5
          1.4s  149.00nm            6.0mb
LRG      85.56 354 eP    23 31.40  -0.3
          1.3s  118.05nm            6.0mb
       Z  22s     4.38um            5.8Msz
SRS      85.60 341 iP    23 32.93   0.9
VAY      85.61 342 iP    23 32.30   0.3
EMON     85.67   4 eP    23 33.20   0.9
LMR      85.68 354 eP    23 31.90  -0.4
          1.1s   67.90nm            5.8mb
KNT      85.70 342 eP    23 32.74   0.3
DST      85.93 337 iP    23 34.30   0.6
SOH      85.94 342 eP    23 33.70   0.0
GRG      85.99 342 eP    23 34.66   0.7
AQU      86.02 349 P     23 35.80   1.7
ALT      86.08 336 iP    23 34.20  -0.3
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OHR      86.14 343 iP     23 35.00   0.3
         1 7s   247.00nm         6.2mb
                   i      23 48.50
EPF      86.21 359 eP     23 34.10  -0.9
         1.1s    24.90nm         5.3mb
EZN      86.26 339 eP     23 34.80  -0.4
PGF      86.28 352 eP     23 34.70  -0.7
         1.3s   252.70nm         6.3mb
OUR      86.28 341 eP     23 34.86  -0.4
FNA      86.35 343 eP     23 35.74   0.0
AZI      86.38 349 P      23 36.20   0.4
ADAT     86 48 331 eP     23 38.50   2.2
DUI      86.58 348 P      23 38.20   1.3
SDI      86.61 349 P      23 37.30   0.3
SHI      86.67 315 eP     23 37.00  -0.7
PAIG     86 73 341 eP     23 37.14  -0.4
KZN      86.74 343 eP     23 37.50  -0.2
LIT      86.80 342 eP     23 37.78  -0.2
PRK      86.83 339 eP     23 38.00   0.0
EGRA     87.05 359 eP     23 40.50   1.5
CMS      87.23 208 eP     23 40.00   0.2
         1.2s   131.00nm         6.1mb
                   i      23 53.60
IZM      87.41 338 iP     23 43.40   2.5
KEK      87.68 344 eP     23 43.00   0.9
IGT      87.76 343 eP     23 42.22  -0.3
AGG      87.88 342 eP     23 42.18  -1.0
MGR      87.93 347 P      23 43.10  -0.2
ETOR     88.43   1 eP     23 46.90   1.1
MBL      88.56 233 eP     23 45.00  -1.4
                   e      23 59.00
GUD      88.57   2 eP     23 47.80   1.2
ATH      88.61 341 eP     23 46.00  -0.6
STK      88.90 211 iPd    23 48.50   0.7
         1.9s     8.20nm       4.7mb X
                   iPP    24 00.90  41kmX
VLS      89.03 343 eP     23 48.40  -0.3
CSS      89.03 332 eP     23 49.20   0.5
EPLA     89.09   4 iPd    23 49.50   0.6
GRI      89.10 346 P      23 48.68  -0.3
         0.7s    69.70nm         6.1mb
BWA      89.27 205 eP     23 50.50   0.9
BHL      89.31 330 P      23 48.00  -2.1
                   PP     27 20.00
                   SKS    34 16.00
MOZ      89.33 183 eP     23 51.10   1.5
                   e      24 02.90
TOL      89.33   2 ePc    23 49.60  -0.5
                   ec     23 52.25
                   epPd   23 56.22  21kmX
                   ed     24 01.85
                   iPP    27 22.21
PPCY     89.39 333 eP     23 50.00  -0.4
WARB     89.60 225 eP     23 51.30   0.0
                   e      24 05.00
HRI      89.87 330 eP     23 52.80   0.0
CNB      89.87 204 e(P)   23 53.00   0.6
         1.1s    93.00nm         5.9mb
                   i      24 07.00
SOI      89.88 346 P      23 51.20  -1.4
CAN      89.97 204 eP     23 53.60   0.8
VLI      89.98 341 eP     23 52.00  -1.1
APR      90.23  60 P      23 55.20   0.7
LRS      90.30  60 P      23 55.00   0.1
MGP      90.40  60 P      23 56.00   0.7
EVIA     90.60   1 eP     23 57.00   0.9
PORP     90.61  60 P      23 56.40   0.1
CLLP     90.62  60 P      23 57.00   0.7
NPS      90.79 338 eP     23 55.00  -1.9
LPR      90.81  59 P      23 57.30   0.0
CPD      91.01  59 P      23 58.50   0.3
JVI      91.23 330 eP     23 58.70  -0.3
EHOR     91.35   3 eP     24 00.50   1.1
EPRU     92.21   3 eP     24 05.00   1.6
MAL      92.47   3 iP     24 04.00  -0.6
                   iS     35 06.00
EJIF     92.71   3 eP     24 06.80   1.1
MBH      93.38 329 eP     24 08.70  -0.3
RYD      93.53 317 iPc    24 10.30   0.6
AYN      93.84 328 ePc    24 12.50   1.5
HLW      94.39 332 eP     24 14.00   0.5
                   eS     34 47.00
EWZ      94.51 186 eP     24 11.90  -1.4
                   e      24 25.00
TOV      95.52  67 eP     24 20.50   1.5
SDV      95.75  68 eP     24 21.40   1.2
BMG      95.75  71 iPc    24 21.00   0.9

AVE      95.76   5 eP     24 12.50  -7.3X
                   i      24 29.00
FUQ      96.62  73 eP     24 27.50   3.2X
BOG      97.09  74 eP     24 30.00   3.5X
                   eS     35 02.00
BISH     99.40 319 ePc    24 37.00   0.5
ZOBO    117.01  82 PKP    29 54.00  14.2X
LPB     117.21  83 PKP    29 41.00   1.0
CCH     119.07  82 ePKP   29 40.00  -3.3X
NAI     120.87 314 iPKP   29 46.30  -0.5
         Z  20s     6.60um        6.3Msz
BCAO    122.11 337 iPKPd  29 48.20  -0.7
         0.2s    12.00nm
                   id     31 23.00
                   ic     31 59.00
TIC     122.37   4 PKP    29 48.50  -0.8
KIC     122.66   4 PKP    29 49.60  -0.3
LIC     122.78   4 PKP    29 49.30  -0.8
RTCB    127.53  95 iPKPd  29 59.00   0.0
CFA     127.97  95 ePKP   29 59.20  -0.5
RTPR    128.17  93 ePKPc  30 00.00   0.0
PPD     131.68  72 ePKP   30 07.00   0.0
VAO     135.00  69 ePKP   30 13.20  -0.2
LPA     136.62  91 ePKP+  30 12.00  -4.0X
         Z  20s     1.42um        5.7Msz
                   ePKS   33 48.00
KRI     137.85 313 iPKPc  30 20.00   1.0
                   ipPKP  30 22.90
                   i      30 33.50
                   i      32 07.30
                   i      32 51.90
SPA     140.94 180 ePKP   30 15.00  -8.1X
         1.0s    61.00nm
         Z  19s     1.60um        5.8Msz
                   e      42 07.00
BUL     141.19 312 iPKPc  30 21.00  -4.0X
                   ipPKP  30 25.00
                   i      30 36.70
                   i      33 24.80
BFT     145.14 305 iPKPc  30 33.50   1.8
         1.0s    60.00nm
MAW     145.34 217 iPKPd  30 29.80  -0.7
         1.1s    55.00nm
MAW     145.34 217 iPKP   30 42.00  11.5X
         1.1s   205.00nm
AIA     145.56 138 ePKP   30 36.70   5.8X
KSR     146.87 309 iPKPd  30 35.00   0.5
         1.0s   205.00nm
PRY     147.47 307 iPKPc  30 35.80   0.4
         1.2s   270.00nm
WIN     148.11 327 iPKPc+30 39.60    3.0X
         1.0s    90.00nm
         Z  20s     7.45um        6.5Msz
SEK     148.53 305 iPKPd  30 38.60   1.5
         0.8s   238.81nm
SUR     155.22 311 iPKPd  30 47.00   0.3
         1.3s   173.08nm
CER     156.75 312 ePKP   31 04.00  15.5X
SNA     160.74 179 e(PKP)30 52.00    0.3
         1.0s    70.00nm
      S.D. = 1.0  on 503 of 544 obs.
----------------------------------------
? JUN 03, 1992 06h 33m 34.77± 3.09s
  51.252 N ±44.0km  178.844 E ±10.8km
  DEPTH =  33.0km  (normal)
  4.0mb ( 5 obs.)
 RAT ISLANDS, ALEUTIAN ISLANDS   ( 6)

ADK       2.86  75 eP     34 19.94   0.9
SMY       3.28 299 eP     34 25.48   0.4
TTA      17.84  39 eP     37 41.80   0.1
         1.2s    14.60nm         4.0mb
REF      18.31  49 eP     37 49.76   2.1X
CRP      18.81  47 ePc    37 54.83   1.0
IMA      20.34  33 eP     38 10.46  -0.2
         0.8s     5.32nm         3.9mb
RND      20.98  42 (P)    38 17.86   0.6
KLU      21.76  48 eP     38 30.00   4.9X
FBA      21.96  39 eP     38 25.41  -1.6
         0.7s     6.55nm         4.2mb
MBC      34.28  22 eP     40 20.00   0.7
         0.9s     3.00nm         4.2mb
                   pP     40 31.00  40kmX
YKA      36.39  46 eP     40 35.40  -1.9
         0.9s     1.70nm         3.9mb
MSU      48.76  77 eP     42 24.19   5.8X
PLM      49.17  85 eP     42 27.81   6.2X

      S.D. = 1.2  on   9 of  13 obs.
----------------------------------------
• JUN 03, 1992 06h 35m 19.87± 1.08s
  28.380 N ±18.0km  128.320 E ±16.7km
  DEPTH =  25.1km  ( 2 depth phases)
  4.6mb ( 8 obs.)  4.8Msz ( 1 obs.)
 RYUKYU ISLANDS                  (238)
SSE       6.77 295 ePn    37 00.80   0.7
                   Pg     37 36.50
MAT      11.65  43 eP     38 18.00  10.4X
         0.8s     5.97nm
BJI      15.35 322 eP     39 03.50   7.1X
         1.0s    22.00nm         4.4mb
LZH      22.05 297 eP     40 10.00  -4.5X
         2.0s    35.00nm         4.4mb
      Z  20s     3.36um         4.8Msz
      E  15s     2.82um
                   pP     40 16.00  22km
                   sP     40 19.00
KMI      23.06 268 eP     40 23.50  -1.2
         2.0s    70.00nm         4.8mb
                   pP     40 31.50  29km
CHTO     28.49 257 e(P)   41 14.70  -0.6
         1.0s     3.25nm         4.0mb
NDI      44.61 283 eP     43 33.00   1.0
WRA      48.39 172 P      44 00.10  -1.7
         0.6s     4.90nm         4.7mb
WB2      48.39 172 eP     44 02.90   1.1
         0.7s     9.20nm         4.9mb
ASPA     52.02 174 eP     44 30.90   1.3
         0.7s     6.80nm         4.7mb
YKA      76.55  25 eP     47 08.80  -0.5
         1.0s     1.10nm         3.8mb
      S.D. = 1.4  on   8 of  11 obs.
----------------------------------------
• JUN 03, 1992 07h 02m 10.16± 0.66s
  51.130 N ±14.7km  178.538 E ± 6.1km
  DEPTH =  33.0km  (normal)
  4.7mb ( 13 obs.)
 RAT ISLANDS, ALEUTIAN ISLANDS   ( 6)
      Felt (II) on Amchitka.

ADK       3.08  74 eP     02 56.72  -0.8
SMY       3.18 302 eP     02 59.21   0.3
SVW      17.41  45 eP     06 12.13   0.3
         0.9s     8.54nm         3.9mb
TTA      18.05  39 eP     06 21.11   1.3
         1.5s    18.72nm         4.0mb
REF      18.53  49 eP     06 27.30   1.5
CRP      19.03  46 eP     06 31.37  -0.5
SLKM     19.72  50 (P)    06 38.43  -1.1
PMR      20.52  47 (P)    06 48.21   0.5
IMA      20.55  33 eP     06 47.13  -1.1
         0.9s    12.03nm         4.3mb
KLU      21.98  48 (P)    07 10.06   7.3X
FBA      22.18  39 eP     07 01.21  -3.3X
         1.0s    26.56nm         4.6mb
YKA      36.61  46 eP     09 12.40  -2.2
         0.8s     2.30nm         4.1mb
GMW      37.52  72 eP     09 16.03  -6.4X
PNT      38.58  68 eP     09 41.00   9.7X
         0.5s     3.00nm         4.4mb
LBFM     41.30  80 eP     09 55.64   1.6
SES      42.96  62 eP     10 11.00   3.6X
HPI      45.32  71 (P)    10 28.09   1.3
                   pP     10 38.53  36kmX
                   sP     10 43.94
BONR     45.53  81 eP     10 29.11   0.5
                   pP     10 40.22  39kmX
TNP      46.13  80 (P)    10 31.03  -2.1
PTI      46.24  72 (P)    10 34.69   0.8
                   pP     10 46.11  40kmX
HVU      46.63  73 (P)    10 34.05  -3.0X
DUG      47.55  75 eP     10 46.11   1.8
         1.1s    15.48nm         4.9mb
                   pP     10 56.00  33kmX
MSU      48.98  77 eP     10 56.11   0.6
                   pP     11 06.15  34kmX
EMUT     49.00  74 (P)    10 53.80  -1.9
                   pP     11 05.71  43kmX
SRU      49.61  75 eP     10 59.78  -0.5
                   pP     11 11.90  44kmX
LZH      53.84 285 eP     11 32.50   0.5
         1.8s    35.00nm         5.1mb
OLY      63.32  66 (P)    12 42.72   4.8X
NAO      67.96 354 P      13 07.00  -0.3
```

```
03d  07h
      0.7s      1.10nm                 4.1mb
GUN   70.39 290 P       13 22.80   -0.4
      0.8s     34.00nm                 5.5mb
KKN   70.83 291 P       13 25.60   -0.1
      0.6s     16.00nm                 5.3mb
PKI   70.92 290 P       13 26.00   -0.4
      0.8s     19.00nm                 5.2mb
GKN   71.05 291 P       13 26.60   -0.3
      0 8s     28.00nm                 5.4mb
DMN   71.07 291 P       13 26.60   -0.6
QUE   79.18 305 eP      14 14.70    1.3
WRA   80.69 222 P       14 33.20   12.0X
      0.7s      2.80nm
    S.D = 1.2  on  27 of  35 obs.
-------------------------------------------
   JUN  03, 1992  07h 12m 23.03± 0.42s
   51.128 N ±10.4km  178.654 E ± 5.4km
   DEPTH =  33.0km  (normal)
   4.7mb ( 19 obs.)  5.2Msz (  3 obs.)
 RAT ISLANDS, ALEUTIAN ISLANDS    (  6)

ADK    3.01  74 eP      13 10.80    1.4
SMY    3.24 301 P       13 15.80    3.1
SVW   17.36  45 P       16 25.50    1.4
      0.7s     22.98nm                 4.4mb
TTA   18.01  39 P       16 32.80    0.7
      0.9s     26.35nm                 4.4mb
REF   18.48  48 P       16 39.00    0.9
CRP   18.98  46 P       16 43.50   -0.6
SLKM  19.66  49 P       16 48.60   -3.2X
PMS   20.17  48 eP      16 54.30   -2.8X
PMR   20.46  47 P       16 56.90   -3.2X
      0.6s     13.39nm                 4.5mb
    Z  19s      0.74um                 4.1MszX
IMA   20.51  33 P       17 00.10   -0.6
      0.8s     24.02nm                 4.6mb
KLU   21.93  48 P       17 13.40   -1.7
TOA   21.95  46 eP      17 15.00   -0.3
FBA   22.14  39 P       17 16.00   -0.9
      0.8s     53.78nm                 5.0mb
BRW   23.11  20 P       17 26.50    0.1
BALM  23.56  50 P       17 28.30   -2.8X
YKA   36.56  46 eP      19 25.40   -1.6
      0.6s      4.90nm                 4.6mb
GMW   37.46  72 P       19 29.80   -5.0X
RMW   38.08  71 P       19 38.30   -1.8
LON   38.42  73 P       19 41.60   -1.4
PNT   38.51  68 eP      19 44.00    0.3
      0.4s      5.00nm                 4.7mb
LBFM  41.23  80 P       20 07.80    1.4
SES   42.90  62 eP      20 19.00   -0.8
LRM   44.46  69 eP      20 33.40    0.6
HPI   45.25  72 P       20 39.60    0.5
PTI   46.17  72 P       20 47.10    0.9
SSE   46.39 267 P       20 49.50    1.6
      1.0s     14.00nm                 4.9mb
                sP      21 01.00
HVU   46.56  74 P       20 49.40    0.1
DUG   47.48  75 P       20 57.30    0.7
      1.1s     24.77nm                 5.1mb
DAU   48.30  74 P       21 04.00    0.8
ARUT  48.58  78 P       21 06.50    1.3
MSU   48.91  77 P       21 08.10    0.3
EMUT  48.93  74 P       21 08.40    0.4
PLM   49.30  85 P       21 14.30    3.5X
SRU   49.54  75 P       21 13.20    0.6
GLA   50.78  84 P       21 16.70   -5.2X
LZH   53.91 285 Pc      21 46.50    1.1
      1.5s     48.00nm                 5.3mb
                pP      22 02.50   61kmX
LNO   60.46  68 eP      22 30.70   -0.8
TUL   60.46  68 eP      22 30.90   -0.7
      1.0s     13.10nm                 5.0mb
                e       22 43.10
RLO   60.73  68 eP      22 31.80   -1.7
VVO   60.89  69 eP      22 34.10   -0.5
CCM   61.59  64 P       22 41.00    1.7
      1.1s      4.46nm                 4.5mb
KAF   64.99 346 eP      23 00.50   -0.8
      0.4s      2.80nm                 4.7mb
PWLA  65.57  64 P       23 04.80   -0.6
MCWV  66.64  55 P       23 20.00    7.8X
    Z  21s      1.61um                 5.2Msz
NUR   66.76 346 eP      23 12.80    0.2
      0.4s      2.50nm                 4.7mb
NB2   67.73 353 P       23 18.10   -0.7
      0.8s      5.00nm                 4.7mb
HRV   68.59  48 P       23 30.00    5.6X
    Z  20s      2.06um                 5.4Msz
CHG   69.17 274 eP      23 28.50    0.2
CEH   69.84  58 P       23 40.00    7.9X
    Z  20s      0.96um                 5.0Msz
GUN   70.45 290 Pc      23 34.60   -1.8
KKN   70.90 291 Pc      23 37.20   -1.8
PKI   70.98 290 Pc      23 37.60   -2.0
GKN   71.12 291 Pc      23 38.40   -1.8
DMN   71.14 291 Pc      23 38.60   -1.9
QUE   79.24 305 eP      24 28.70    2.1
GEC2  79.58 350 PKP     24 27.60   -0.4
      1.1s      1.78nm                 4.0mb
WB2   80.74 222 iPc     24 33.90   -0.4
      0.6s      5.90nm                 4.8mb
WRA   80.74 222 P       24 34.70    0.4
      0.7s      4.50nm                 4.6mb
MLR   80.91 341 eP      24 37.00    1.9
ASPA  84.24 220 eP      24 52.70    0.4
      0.8s     10.10nm                 5.0mb
MAW  145.31 217 ePKP    31 58.00    0.6
      1.0s     10.00nm
PRY  147.42 307 ePKP    32 05.10    2.7X
WIN  148.08 326 ePKP    32 07.60    4.0X
      0.8s     11.19nm
SEK  148.49 305 iPKPc   32 09.20    5.2X
      0.7s     17.12nm
    S.D. = 1.2  on  51 of  64 obs.
-------------------------------------------
 •  JUN  03, 1992  07h 40m 50.50± 1.06s
   11.964 N ± 6.2km   87.929 W ± 5.8km
   DEPTH =  54.4 ±  9.6 km
   4.9mb ( 11 obs.)
 NEAR COAST OF NICARAGUA            ( 74)

TPX    5.13 305 (P)     42 05.00   -1.7
SCX    6.58 317 (P)     42 28.00    1.0
OXX    9.92 302 (P)     43 13.00   -0.3
LVVM  11.26 314 (P)     43 33.00    1.6
IISM  11.47 309 (P)     43 32.00   -2.2
IIT   12.21 306 (P)     43 45.00    0.6
ACX   12.54 294 (P)     43 48.00   -0.5
III   12.83 301 (P)     43 52.50    0.0
MRX   14.89 303 (P)     44 21.00    1.6
SDV   17.28  99 eP      44 48.30   -1.6
HBF   21.99  17 eP      45 42.44    0.9
SGS   22.20  17 eP      45 44.36    0.8
PRM   22.60  12 eP      45 48.40    0.9
PWLA  22.91 360 iPc     45 50.72    0.1
JSC   23.03  14 ePc     45 52.64    0.9
LHS   23.33  15 eP      45 54.53   -0.1
TKL   23.89   8 iPc     46 01.10    1.0
GRT   24.23 357 eP      46 02.99   -0.4
VVO   24.32 344 ePc     46 04.20   -0.1
LST   24.51 356 eP      46 05.84   -0.2
MEO   24.70 339 iPc     46 08.00    0.1
FKO   24.73 341 iPc     46 08.60    0.4
FNO   24.73 341 iPc     46 07.80   -0.4
TUL   24.88 345 ePc     46 09.00   -0.6
      0.8s    161.80nm                 5.6mb
LNO   24.88 345 ePc     46 08.70   -0.8
RLO   24.93 346 ePc     46 09.70   -0.4
OCO   25.00 341 iPc     46 12.50    1.8
CEH   25.13  17 eP      46 02.03   -9.9X
      0.9s     60.65nm                 5.1mb
FVM   26.01 355 eP      46 18.97   -1.1
      0.7s     11.49nm                 4.5mb
NAV   26.04  13 eP      46 20.64    0.1
ACO   26.62 340 iPc     46 26.00    0.2
CVL   27.26  16 eP      46 31.49    0.0
NA2   27.60  18 eP      46 33.73   -0.9
CBN   27.78  18 iPd     46 36.60    0.3
      0.9s     28.80nm                 4.9mb
LVNJ  30.98  20 eP      47 04.22   -0.6
TBR   31.46  20 eP      47 08.97    0.0
GOL   31.65 334 eP      47 10.46   -0.6
      1.1s     27.19nm                 5.0mb
SRU   33.67 327 eP      47 28.28   -0.2
MSU   34.14 325 eP      47 33.18    0.5
ZOBO  34.23 145 P       47 34.00    0.0
EMUT  34.34 328 eP      47 35.19    0.8
ARUT  34.37 323 eP      47 35.52    0.9
LPB   34.44 145 P       47 37.00    1.4
RSNY  34.45  17 eP      47 34.29   -0.7
      1.2s     43.73nm                 5.3mb
EEO   35.37  11 eP      47 43.00    0.2
CCH   36.24 143 P       47 51.60    0.8
HVU   36.79 328 eP      47 55.49    0.5
BONR  37.48 319 eP      48 02.05    1.0
HPI   38.37 330 eP      48 10.15    1.8
ULM   38.73 352 eP      48 10.50   -0.5
LMN   39.08  26 ePd     48 15.40    1.5
LRM   39.66 333 eP      48 19.60    0.5
SES   42.75 338 ePc     48 44.00   -0.1
                pP      48 52.00   27kmX
NEW   43.61 332 eP      48 51.29    0.2
      1.0s     10.00nm                 4.5mb
LON   44.91 327 eP      49 00.84   -0.8
RMW   45.36 328 eP      49 06.20    0.9
PNT   45.52 331 ePc     49 06.00   -0.4
      0.9s     23.00nm                 5.1mb
GMW   45.93 327 eP      49 08.62   -1.0
MCW   46.68 329 eP      49 15.19   -0.3
YKA   53.96 345 eP      50 07.80   -2.9
      1.0s      9.50nm                 4.8mb
KLU   64.56 333 eP      51 23.69   -0.4
MBC   66.43 352 eP      51 34.50   -1.2
      1.0s      6.00nm                 4.6mb
FBA   66.68 336 eP      51 35.99   -1.5
      1.2s     17.06nm                 4.9mb
LZH  130.93 347 ePKP    00 01.20    3.0X
      2.0s     39.00nm
WB2  138.67 253 ePKP    00 13.10    0.0
      0.9s      3.00nm
GKN  139.62  10 PKP     00 15.00    0.2
GUN  139.91   9 PKP     00 09.40   -6.2X
KKN  139.94   9 PKP     00 14.40   -1.0
PKI  140.17   9 PKP     00 15.00   -1.0
PPR  145.82 308 ePKPd   00 29.00    3.3X
HYB  147.90  25 ePKP    00 30.00    1.0
BDT  150.18 347 ePKP    00 39.30    6.9X
      1.0s     48.30nm
NST  151.41 344 ePKP    00 44.80   10.5X
KHT  152.65 346 ePKP    00 46.20   10.1X
    S.D. = 1.0  on  67 of  74 obs.
-------------------------------------------
 ?  JUN  03, 1992  07h 54m 29.24± 5.61s
   42.460 N ±21.2km  129.478 W ±41.1km
   DEPTH =  10.0km  (geophysicist)
 OFF COAST OF OREGON                ( 30)

DBO    4.64  80 P       55 42.11    1.1
HSO    4.81  75 P       55 43.50    0.0
WMOR   5.10  83 Pd      55 50.23    2.6
TKO    5.23  54 P       55 48.47   -1.0
FBO    5.36  67 P       55 51.36    0.1
KMOR   5.36  52 P       55 50.08   -1.2
HBO    5.42  73 P       55 53.05    0.9
SSOR   5.63  62 P       55 54.75   -0.3
NLO    5.65  48 P       55 55.16   -0.1
LBFM   5.77  99 eP      55 55.26   -1.9
GT2    5.87  60 Pd      55 58.53    0.1
PGO    5.89  57 P       55 58.79    0.1
BMW    6.01  46 P       55 59.76   -0.6
BPO    6.07  66 P       56 01.32    0.0
RVW    6.08  50 P       56 00.99   -0.3
VLMM   6.18  58 P       56 02.61   -0.3
LVP    6.23  52 P       56 03.24   -0.2
TDH    6.23  60 P       56 03.50   -0.2
VBEM   6.28  63 P       56 04.19   -0.1
MTMW   6.32  53 P       56 04.35   -0.5
CZM    6.38  49 P       56 05.16   -0.4
VLL    6.38  59 P       56 05.82    0.1
SHW    6.39  52 P       56 05.91    0.0
JLK    6.42  52 P       56 06.08   -0.1
VFP    6.46  61 P       56 06.94    0.1
CDFW   6.46  53 P       56 06.43   -0.4
TDL    6.49  51 P       56 07.10   -0.2
KOSW   6.57  50 P       56 08.37    0.0
LMW    6.64  48 P       56 10.00    0.7
ASR    6.75  54 P       56 10.69   -0.3
VIPM   6.76  69 P       56 10.71   -0.4
MEW    6.79  43 P       56 12.70    1.5
LON    6.95  49 P       56 13.68    0.0
GMW    6.95  41 P       56 14.45    0.8
GLK    6.96  51 P       56 13.82    0.0
REMR   6.98  49 Pd      56 14.17    0.1
RVC    6.98  47 P       56 14.14    0.1
WPW    7.07  50 P       56 15.18   -0.2
FMW    7.13  49 P       56 16.18   -0.2
GL2    7.13  58 Pc      56 15.50   -0.8
GSM    7.23  46 P       56 17.76    0.1
RMW    7.39  45 P       56 19.90    0.1
JBO    7.58  63 P       56 22.02   -0.4
```

HTW 7.63 43 P 56 22.97 -0.2
JCW 7.82 40 P 56 26.78 1.0
TBM 7.87 50 P 56 26.82 0.2
ETW 8.27 48 P 56 32.12 -0.1
CRF 8.41 55 P 56 34.05 0.0
EPH 8.55 52 P 56 35.92 0.0
S.D. = 0.7 on 49 of 49 obs.

& JUN 03, 1992 08h 54m 40.87s
34.003 N 116.325 W
DEPTH = 3.4km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.0 (PAS).

PEC 0.70 261 eP 54 53.89 -1.0
PLM 0.79 215 iPc 55 01.51 4.9
SSK 1.15 281 eP 55 02.06 -1.1
VPD 1.21 262 eP 55 03.09 -0.9
S 55 19.20
PEM 1.29 278 eP 55 04.40 -1.0
S 55 22.05
FLAS 1.38 265 eP 55 07.30 0.5
S 55 15.25
MWC 1.45 279 eP 55 07.17 -1.0
S 55 26.63
GLA 1.57 127 ePn 55 07.21 -2.5
PVPS 1.74 263 eP 55 11.35 -0.7
S 55 34.58
ABL 2.54 290 eP 55 22.22 -1.6
BCH 3.32 292 (P) 55 32.35 -2.5
PHAM 3.81 300 eP 55 42.91 1.1
ARUT 4.44 31 (P) 55 50.50 -0.3
13 obs. associated

% JUN 03, 1992 09h 27m 16.87± 0.78s
41.155 N ± 7.8km 28.478 E ± 5.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

CTT 0.04 259 iPg 27 17.90 -1.0
ISK 0.45 101 iPg 27 25.50 -0.5
iSg 27 32.50
DMK 0.86 321 iPg 27 34.00 0.6
iSg 27 46.00
BNT 0.90 208 iPn 27 34.90 0.7
KCT 0.91 186 iPg 27 33.90 -0.4
HRT 0.96 110 iPn 27 36.00 0.8
IZI 1.11 137 iPn 27 37.40 -0.4
S.D. = 0.9 on 7 of 7 obs.

• JUN 03, 1992 10h 58m 59.48± 2.12s
15.286 N ± 9.0km 61.207 W ±18.9km
DEPTH = 147.0 ± 20.6 km
LEEWARD ISLANDS (92)
MD 3.8 (TRN).

DTMT 0.15 249 eP 59 19.79 -0.8
DSVT 0.17 250 eP 59 19.62 -0.9
eS 59 31.41
FDF 0.55 174 iPd 59 21.36 0.3
S 59 37.60
CRM 0.60 152 iPc 59 21.25 0.0
S 59 37.20
BIM 0.78 170 iPc 59 22.74 0.3
S 59 39.70
MVM 0.79 157 iPc 59 22.66 0.1
S 59 39.40
DOG 0.84 332 ePd 59 23.33 0.4
PAG 0.87 328 ePd 59 23.77 0.6
S 59 40.80
DEG 1.03 8 iPc 59 24.96 0.4
S 59 43.50
SEG 1.15 346 eP 59 26.10 0.6
MGH 1.72 326 ePc 59 31.76 0.1
S 59 58.70
BPA 1.86 340 eP 59 32.92 -0.3
ANG 1.95 342 eP 59 33.79 -0.4
eS 59 59.55
NEV 2.26 325 eP 59 38.52 0.6
eS 00 09.02
CPB 2.42 346 eP 59 39.05 -0.8
eS 00 05.98
SKI 2.51 324 eP 59 41.00 -0.1
S.D. = 0.6 on 16 of 16 obs.

? JUN 03, 1992 11h 23m 44.82±13.08s
43.130 N ±65.8km 17.991 E ±58.7km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.8 (TTG).

BRY 0.47 119 iPgc 23 54.31 0.0
iSg 23 59.58
HCY 0.78 151 iPgc 23 59.88 -0.1
iSg 24 09.64
NKY 0.80 113 iPgd 24 00.51 0.0
iSg 24 10.74
BDV 1.05 144 iPgc 24 04.70 0.1
iSg 24 18.33
S.D. = 0.2 on 4 of 4 obs.

• JUN 03, 1992 11h 25m 48.16± 0.85s
31.995 S ± 9.6km 178.602 W ±11.2km
DEPTH = 59.1 ± 6.9 km
5.4mb (8 obs.)
KERMADEC ISLANDS REGION (177)

RAO 2.80 12 P 26 30.90 -0.5
S 27 02.50
HBZ 6.14 204 eP 27 14.30 -4.1X
PUZ 6.59 202 eP 27 19.50 -5.1X
eS 28 33.30
KUZ 6.67 223 eP 27 26.10 0.4
NOZ 7.16 202 eP 27 27.20 -5.3X
OUZ 7.26 242 eP 27 35.70 1.7
MOZ 8.44 218 eP 27 48.50 -1.8
NGZ 8.58 212 eP 27 47.30 -5.0X
PGZ 9.55 204 eP 27 56.70 -8.7X
KIW 10.27 209 eP 28 06.50 -8.9X
CAW 10.42 207 eP 28 07.10 -10.3X
MRW 10.67 208 eP 28 12.30 -8.4X
eS 30 05.50
TCW 10.83 210 eP 28 13.00 -9.9X
KHZ 12.14 209 eP 28 31.20 -9.2X
eS 30 38.30
DZM 16.57 303 iPc 29 53.10 15.0X
ARMA 25.48 266 eP 31 12.00 -0.5
RMO 28.94 272 eP 31 46.00 2.1
CMS 30.17 261 eP 31 56.00 1.1
STK 33.65 259 iPd 32 26.00 0.7
0.6s 4.30nm 4.5mb
QIS 38.95 277 eP 33 09.00 -1.2
LAT 40.79 301 eP 33 26.50 1.1
ASPA 42.54 269 iPd 33 39.60 -0.1
0.8s 67.50nm 5.5mb
WB2 43.66 274 iPd 33 48.30 -0.5
0.7s 100.30nm 5.7mb
WRA 43.67 274 P 33 49.00 0.1
0.7s 44.10nm 5.3mb
FORT 45.16 257 eP 33 59.00 -1.8
WARB 47.78 262 eP 34 20.00 -1.5
MTN 49.75 281 iPd 34 36.00 -0.7
0.6s 77.00nm 5.9mb
CSY 53.50 208 eP 35 03.40 -0.8
0.7s 33.90nm 5.5mb
SPA 58.18 180 eP 35 40.00 1.8
0.9s 29.09nm 5.4mb
MAW 70.64 201 ePc 36 58.00 -0.9
1.0s 15.00nm 4.9mb
YKA 107.10 26 ePKP 44 08.10 -0.1
0.7s 0.40nm
PKI 108.75 291 PKP 44 00.00 -12.9X
MBC 114.08 13 ePKP 44 21.00 -0.2
KEV 139.55 347 ePKP 45 06.00 -3.7X
KAF 145.87 339 ePKP 45 19.90 -1.0
0.5s 12.10nm
OBN 146.15 323 ePKP 45 22.00 0.4
1.0s 20.00nm
NUR 147.62 339 ePKP 45 25.00 1.2
BCAO 148.22 214 iPKPc 45 27.00 0.8
0.7s 27.00nm
ic 45 29.00
id 46 06.00
NB2 150.24 350 PKP 45 32.70 4.8X
0.7s 11.60nm
LIC 153.67 165 PKP 45 42.80 8.6X
KIC 153.86 166 PKP 45 43.00 8.5X
TIC 154.08 165 PKP 45 43.20 8.4X
S.D. = 1.2 on 25 of 42 obs.

• JUN 03, 1992 11h 33m 48.32± 0.74s
13.116 N ±18.3km 88.716 W ±18.1km
DEPTH = 82.6 ± 9.0 km
4.0mb (1 obs.)
EL SALVADOR (73)

OZA 0.49 326 iPd 34 01.30 -1.1
VSM 0.53 54 iPc 34 03.00 -0.1
LFU 0.74 328 iPd 34 05.00 0.1
TME 1.09 325 iPd 34 09.50 0.6
YPE 1.37 317 iPd 34 13.20 0.6
JCR 4.79 132 eP 34 59.25 -0.4
LCR2 5.71 125 eP 35 13.50 0.9
QCR 5.77 129 eP 35 13.15 0.0
BUS 6.01 126 eP 35 17.63 0.6
ACR 7.03 129 eP 35 29.74 -0.8
YKA 52.65 345 eP 42 55.50 -0.4
0.4s 0.70nm 4.0mb
S.D. = 0.8 on 11 of 11 obs.

JUN 03, 1992 13h 26m 55.96± 0.55s
37.572 N ± 7.1km 77.885 E ± 8.8km
DEPTH = 10.0km (geophysicist)
4.3mb (10 obs.)
SOUTHERN XINJIANG, CHINA (321)
ML 4.5 (BJI).

KSH 2.40 322 Pn 27 38.50 2.4
Sn 28 08.50
NDI 8.88 184 eP 29 09.50 2.2
eS 30 46.00
WMQ 9.71 47 iPnc 29 18.00 -0.8
E 12s 0.59um
GKN 11.10 147 P 29 37.00 -0.9
KKN 11.57 145 P 29 43.60 -0.8
0.4s 16.00nm 5.7mb X
DMN 11.65 146 P 29 44.60 -0.9
0.4s 20.00nm 5.8mb X
OUE 11.69 234 eP 29 45.00 -1.0
e(S) 31 54.60
GUN 11.75 143 P 29 46.00 -0.9
0.4s 13.00nm 5.6mb
PKI 11.81 145 P 29 46.80 -1.0
0.4s 18.00nm 5.7mb X
LSA 13.55 122 eP 30 17.00 6.0X
MAIO 14.77 271 eP 30 32.00 5.3X
GTA 17.26 77 eP 31 00.00 1.2
1.0s 5.00nm 3.6mb
Z 14s 0.58um
E 12s 0.38um
sP 31 08.50
HYB 20.09 178 eP 31 33.00 0.4
LZH 20.82 86 eP 31 40.60 0.4
2.0s 28.00nm 4.3mb
Z 15s 0.34um 3.8MszX
E 13s 0.39um
sP 31 46.50
BTO 25.05 73 eP 32 29.00 7.2X
N 12s 0.19um
E 12s 0.28um
CHG 26.23 130 eP 32 38.20 5.3X
eSg 58 42.00
CHTO 26.23 130 e(P) 32 34.50 1.6
1.0s 1.75nm 3.7mb
KAF 39.82 325 eP 34 30.40 -0.2
0.5s 1.40nm 3.9mb
NUR 40.27 322 eP 34 39.50 5.1X
0.7s 7.40nm 4.5mb
UPP 43.69 321 iP 35 01.10 -1.2
NB2 46.88 322 P 35 26.50 -1.3
0.6s 7.90nm 5.0mb
MBC 65.93 4 eP 37 43.00 -0.6
0.6s 4.00nm 4.8mb
WRA 78.04 127 P 38 59.00 2.5
0.6s 1.40nm 4.2mb
YKA 79.77 6 eP 39 04.00 -1.2
0.8s 1.20nm 3.9mb
S.D. = 1.4 on 19 of 24 obs.

% JUN 03, 1992 13h 33m 10.85± 0.83s
44.411 N ± 6.8km 7.214 E ± 9.8km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

PZZ 0.12 319 P 33 13.30 -0.2
S 33 15.09
STV 0.19 155 P 33 14.81 0.1
S 33 17.86
ENR 0.24 141 P 33 15.95 0.3
S 33 19.71

03d 13h
BMB 0.43 5 P 33 19.81 0.3
S 33 25.76
ROB 0.49 104 P 33 20.32 -0.3
S 33 28.76
IMI 0.70 136 P 33 24 69 -0.1
S 33 34.68
S.D. = 0.3 on 6 of 6 obs.

? JUN 03, 1992 15h 04m 41.38± 5.26s
26.592 N ±34.7km 34.688 E ±47.7km
DEPTH = 10.0km (geophysicist)
RED SEA (554)
MG 3.8 (RYD).

WAJH 1.73 103 ePc 05 11.67 0.0
iS 05 28.67
AYN 2.55 27 ePc 05 23.40 0.0
eS 05 50.67
HOL 2.69 7 iPc 05 25.53 0.1
MBH 3.17 3 eP 05 32.30 0.0
PRNI 3.75 4 eP 05 40.50 0.0
S.D. = 0.1 on 5 of 5 obs.

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* JUN 03, 1992 16h 12m 22.23± 1.17s
12.699 N ±19.0km 49.486 E ± 7.9km
DEPTH = 10.0km (geophysicist)
4.8mb (28 obs.) 3.8Msz (1 obs.)
EASTERN GULF OF ADEN (415)

ABHA 8.52 311 ePd 14 31.70 2.8X
RYD 12.26 348 ePd 15 10.50 -9.4X
S 18 50.50
SHI 17.10 9 eP 16 17.00 -6.1X
MBH 21.73 324 eP 17 15.40 -0.4
MKT 22.47 326 eP 17 24.60 1.5
TEH 23.00 4 ePc 17 29.50 1.1
QUE 23.76 40 eP 17 36.70 0.8
eS 21 54.50
HRI 24.02 331 eP 17 40.50 2.2
BHL 24.58 331 P 17 44.00 0.3
S 22 20.00
MAIO 25.17 19 eP 17 49.00 -0.3
0.9s 27.71nm 4.9mb
ASH 26.36 16 eP 17 59.00 -1.3
GRS 26.84 355 iPc 18 05.00 0.1
0.5s 110.00nm 5.8mb
Z 14s 1.25um 4.6MszX
N 11s 1.10um
E 11s 0.71um
eS 22 40.00
KAT 27.07 12 eP 18 04.00 -2.8
BAK 27.58 1 eP 18 13.00 1.6
ERE 27.73 352 iP 18 13.00 0.1
ePPP 22 44.00
SHE 27.84 359 iPd 18 14.50 0.8
1.0s 45.00nm 5.2mb
HYB 28.44 77 eP 18 21.00 1.5
MTA 29.18 353 iPc 18 26.40 0.6
0.8s 50.00nm 5.4mb
N 15s 1.50um
E 15s 1.00um
BCAO 31.66 258 ePc 18 54.00 5.8X
0.5s 3.00nm 4.5mb
KIV 31.69 351 iP 18 47.60 -0.6
i 19 58.50
PYA 31.71 351 eP 18 47.50 -0.8
1.0s 50.00nm 5.4mb
Z 12s 1.00um 4.7MszX
GKN 36.14 60 P 19 26.20 -0.8
DMN 36.42 61 P 19 29.00 -0.4
KKN 36.62 60 P 19 30.60 -0.5
PKI 36.67 61 P 19 30.40 -1.2
GUN 37.17 60 P 19 35.00 -0.8
MLR 38.32 333 eP 19 47.00 2.0
KIS 38.35 337 iPc+ 19 44.00 -1.0
1.5s 200.00nm 5.6mb
Z 16s 0.60um 4.5MszX
UZH 42.33 333 eP 20 19.00 1.2
1.5s 100.00nm 5.3mb
e 20 34.50
OBN 43.49 349 iPc 20 26.50 -0.7
1.2s 34.00nm 5.0mb
Z 16s 0.40um 4.4MszX
SRO 43.60 330 e(P) 20 28.60 0.4
SPC 43.66 332 eP 20 29.80 0.9
VBY 43.72 325 eP 20 33.50 4.2X
MOS 43.92 350 eP 20 30.00 -0.7
ZST 44.46 329 eP 20 35.90 0.7
OJC 44.60 333 eP 20 36.60 0.3
MNK 44.62 342 eP 20 38.00 1.6
VOY 44.80 325 eP 20 39.00 0.9
SVE 44.85 9 ePd 20 37.70 -0.5
1.7s 20.00nm 4.8mb
Z 16s 0.20um 4.1MszX
N 16s 0.40um
E 16s 0.50um
e 22 18.50
SEM 45.22 27 (P) 20 41.00 -0.3
i 20 48.30
KBA 45.73 326 iPd 20 39.70 -5.9X
1.1s 15.00nm 4.9mb
i 20 44.30
GEC2 46.61 328 Pd 20 51.90 -0.5
0.8s 2.74nm 4.3mb
KSP 46.63 331 ePc 20 52.60 0.2
KHC 46.85 328 eP 20 40.00 -14.2X
e 20 54.00
e 21 10.00
PRU 46.91 330 eP 20 54.80 0.2
BRG 47.77 330 eP 21 03.20 1.8
1.1s 10.00nm 4.8mb
CHG 47.87 76 eP 21 03.80 1.1
GRF 48.42 327 eP 21 06.00 -0.5
Z 21s 0.10um 3.8Msz
CLL 48.51 330 eP 21 06.00 -1.1
1.8s 20.00nm 4.9mb
LPG 48.75 321 eP 21 12.90 3.5X
LPL 48.77 321 eP 21 12.90 3.4X
MOX 48.78 329 eP 21 09.70 0.4
1.4s 17.00nm 4.9mb
NNT 48.97 84 eP 21 25.40 14.2X
BSF 49.86 323 eP 21 15.70 -2.0
1.0s 8.80nm 4.7mb
CDF 49.87 324 eP 21 16.10 -1.7
1.1s 6.60nm 4.5mb
SMF 51.07 321 eP 21 27.90 1.0
1.0s 7.20nm 4.6mb
NUR 51.10 345 iP 21 21.70 -5.1X
0.5s 3.00nm 4.5mb
LBF 51.14 321 eP 21 23.60 -3.8X
1.0s 12.20nm 4.8mb
LOR 51.34 321 eP 21 27.00 -1.9
1.2s 8.95nm 4.6mb
AVF 51.44 321 eP 21 29.20 -0.4
SSF 51.46 321 eP 21 27.80 -2.0
1.1s 12.70nm 4.8mb
KMI 51.58 68 eP 21 31.50 0.2
1.5s 60.00nm 5.3mb
pP 21 38.50 23kmX
BGF 51.65 320 eP 21 29.80 -1.5
1.1s 14.15nm 4.8mb
KAF 52.08 346 eP 21 29.80 -4.4X
0.5s 0.90nm 4.0mb
MOY 56.69 36 eP 22 08.00 -0.1
ZAK 57.53 38 eP 22 16.00 1.9
1.2s 8.00nm 4.6mb
KEV 58.76 351 eP 22 20.00 -2.4
BOD 65.95 32 eP 23 10.80 0.3
WRA 89.53 110 P 25 27.80 6.2X
0.8s 3.90nm 4.7mb
WB2 89.54 110 iPKPc 25 29.10 7.4X
i 25 34.40
i 25 38.60
ASPA 90.01 114 iPd 25 31.00 7.1X
0.6s 8.40nm 5.1mb
MBC 90.98 357 eP 25 29.50 2.2
S.D. = 1.2 on 56 of 72 obs.

& JUN 03, 1992 16h 47m 35.68s
61.532 N 140.152 W
DEPTH = 0.0km
SOUTHERN YUKON TERRITORY, CANADA(18)
<AEIC>. ML 3.0 (AEIC), 2.8
(PGC).

BALM 1.17 246 eP 47 56.99 -1.6
eS 48 13.58
YAH 1.41 214 eP 48 00.45 -2.2
eS 48 19.60
PCA 1.44 182 iP 48 00.81 -2.3
eS 48 20.05
HYT 1.47 118 P 48 00.40 -3.1
S 48 18.00
TGL 1.51 240 eP 48 02.79 -1.4
S 48 23.75
BCPM 1.60 171 eP 48 03.22 -2.2
eS 48 24.65
GLB 1.76 269 eP 48 07.60 0.0
eS 48 32.96
WRG 1.76 212 eP 48 07.89 0.2
eS 48 33.31
CYK 1.85 219 eP 48 09.60 0.7
eS 48 35.55
PNL 1.91 168 eP 48 08.51 -1.3
eS 48 33.62
YKU 2.00 174 eP 48 10.90 -0.1
HON 2.18 163 eP 48 11.94 -1.8
TZL 2.56 284 eP 48 16.48 -2.6
KAIM 2.64 234 P 48 18.60 -1.7
SDG 2.73 294 eP 48 22.54 0.9
KLU 2.76 272 eP 48 23.23 1.1
PLBC 2.80 136 P 48 23.80 1.2
S 48 58.20
PAX 2.88 302 eP 48 23.19 -0.6
CVA 2.90 253 P 48 22.60 -1.3
TOA 2.91 284 eP 48 22.49 -1.8
VLZ 3.01 265 eP 48 24.66 -0.8
HIN 3.30 253 eP 48 28.16 -1.5
SML 3.91 278 eP 48 37.48 -0.9
23 obs. associated

? JUN 03, 1992 16h 47m 54.46± 3.41s
11.367 N ±53.2km 87.395 W ±60.3km
DEPTH = 10.0km (geophysicist)
4.3mb (2 obs.)
NEAR COAST OF NICARAGUA (74)

JCR 2.70 124 eP 48 36.26 -2.5
LCR2 3.71 116 eP 48 53.74 0.5
OCR 3.71 121 eP 48 53.68 0.6
BUS 4.00 116 eP 48 58.80 1.2
ACR 4.96 123 eP 49 11.20 0.4
VVO 25.04 344 eP 53 20.50 0.3
TUL 25.59 344 eP 53 25.80 0.3
1.0s 20.50nm 4.8mb
LNO 25.59 344 eP 53 25.80 0.5
EEO 35.86 10 eP 54 55.00 -1.3
YKA 54.66 345 eP 57 21.70 -3.9X
0.7s 0.70nm 3.8mb
S.D. = 1.3 on 9 of 10 obs.

JUN 03, 1992 17h 00m 53.81± 0.27s
4.525 S ± 5.0km 104.682 W ± 6.4km
DEPTH = 10.0km (geophysicist)
4.9mb (18 obs.) 5.1Msz (14 obs.)
CENTRAL EAST PACIFIC RISE (694)
Mo=7.9*10**17 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, 81C
Centroid Location:
Origin Time 17:00:59.0 0.2
Lat 4.45S 0.02 Lon 104.59W 0.02
Dep 15.0 FIX Half-duration 2.7
Moment Tensor; Scale 10**17 Nm
Mrr=-0.25 0.05 Mtt= 0.92 0.06
Mff=-0.68 0.08 Mrt= 0.00 0.00
Mrf= 0.00 0.00 Mtf= 3.26 0.06
Principal Axes:
T Val= 3.48 Plg= 0 Azm=142
N -0.25 90 180
P -3.24 0 52
Best Double Couple:Mo=3.4*10**17
NP1:Strike=187 Dip=90 Slip=-180
NP2: 277 90 0

ACX 21.79 13 (P) 05 51.00 3.1X
OXX 22.86 20 (P) 06 03.00 4.1X
TPX 22.89 32 (P) 06 01.00 2.1
IIT 24.22 15 (P) 06 16.00 3.8X
MRX 24.32 8 (P) 06 16.00 3.3X
IISM 24.45 17 (P) 06 18.00 4.0X
SDV 36.47 69 eP 08 01.10 -0.3
TOV 37.56 68 eP 08 10.30 -0.1
iPP 08 10.70
ZOBO 37.73 111 iPc 08 13.00 0.5
1.3s 27.60nm 4.9mb
S 14 14.00
LR 19 28.00
LPB 37.81 111 P 08 13.70 0.7
ANT 38.14 123 eP 08 16.00 0.9

GLA 38.59 346 eP 08 18.94 0.1
ALO 39.29 358 eP 08 25.04 0.2
0.9s 7.74nm 4.4mb
Z 21s 0.90um 4.6Msz
e 08 35.02
MEO 39.52 8 iPd 08 26.30 -0.2
CCH 39.84 112 P 08 30.00 0.2
OCD 40.41 9 iPd 08 37.50 3.7X
SSK 40.44 343 eP 08 32.61 -1.7
VVO 40.53 11 eP 08 36.70 1.9
TUL 41.08 11 eP 08 41.80 2.5
1.0s 18.40nm 4.8mb
Z 18s 1.26um 4.8Msz
e 15 41.00
e 18 07.00
e 19 10.00
LR 21 13.00
LNO 41.08 11 eP 08 41.30 2.1
ACD 41.33 7 iPc 08 42.50 1.1
RLO 41.48 12 eP 08 44.90 2.3
ABL 41.49 342 eP 08 42.32 -0.7
BCH 42.07 341 eP 08 47.14 -0.5
e 08 54.04
PWLA 42.29 20 eP 08 48.46 -0.8
RTBS 42.66 133 iPc 08 53.30 0.9
ARUT 42.88 350 eP 08 54.94 0.7
RTCB 43.05 133 iPc 08 55.40 -0.3
ZON 43.17 133 eP 08 57.00 0.4
RTLL 43.21 132 ePd 08 55.90 -1.1
RUV 43.30 253 iP 08 58.00 0.2
1.2s 40.00nm 5.1mb
MSU 43.38 351 eP 08 58.63 0.2
TPT 43.49 253 iP 08 59.80 0.5
1.2s 55.00nm 5.2mb
CFA 43.52 133 ePd 08 59.10 -0.4
VAH 43.54 253 iP 09 00.40 0.6
1.2s 35.00nm 5.0mb
SRU 43.75 353 eP 09 01.05 -0.3
PMO 43.76 253 iP 09 02.20 0.7
1.2s 70.00nm 5.3mb
TNP 43.96 346 eP 09 03.07 0.0
0.8s 8.84nm 4.6mb
GOL 44.01 359 eP 09 03.59 0.1
0.8s 6.78nm 4.5mb
Z 20s 1.43um 4.9Msz
BONR 44.12 344 eP 09 04.32 -0.2
CCM 44.16 15 P 08 57.83 -6.7X
0.5s 2.23nm 4.3mb
Z 20s 0.91um 4.7Msz
RTPR 44.18 130 iPd 09 04.20 -0.5
SIV 44.30 108 P 09 05.40 -0.6
FVM 44.32 16 (P) 09 05.53 -0.2
0.9s 21.00nm 5.0mb
JSC 44.48 28 eP 09 06.82 -0.2
ARN 44.52 341 eP 09 07.09 -0.4
e 09 14.97
TKL 44.53 24 eP 09 06.29 -1.2
LHS 44.85 28 eP 09 09.65 -0.4
DAU 45.12 353 ePc 09 12.23 -0.4
DUG 45.12 351 eP 09 12.41 0.0
1.0s 21.67nm 5.0mb
HVU 46.67 352 eP 09 23.89 -0.7
CEH 46.81 29 P 09 40.00 14.4X
Z 20s 3.36um 5.3Msz
LBFM 48.28 343 (P) 09 34.51 -2.9X
HPI 48.61 352 eP 09 43.43 3.5X
MCWV 49.56 25 P 10 00.00 13.0X
Z 20s 0.80um 4.7Msz
LRM 50.60 353 eP 09 53.60 -1.5
LPA 52.70 131 eP- 10 12.00 1.1
Z 20s 4.26um 5.5Msz
eS 17 40.00
LON 53.26 345 eP 10 13.04 -1.9
DPW 53.51 349 eP 10 15.15 -1.6
GMW 54.25 345 (P) 10 21.39 -0.7
PPD 54.47 114 eP 10 22.60 -1.6
e 10 29.20
SES 54.98 355 eP 10 26.00 -1.4
ULM 55.08 7 eP 10 29.00 0.8
PNT 55.17 348 ePc 10 27.00 -1.9
MCW 55.31 345 eP 10 29.60 -0.3
HRV 55.62 29 P 10 40.00 7.8X
Z 20s 1.98um 5.2Msz
EEO 55.76 21 eP 10 33.00 -0.1
HON 58.20 298 P 11 00.00 9.2X
Z 21s 1.43um 5.1Msz
VAO 58.59 114 (P) 10 53.00 -0.7

FCC 63.65 6 eP 11 27.50 0.3
PDCR 65.19 102 eP 11 35.90 -2.1
e 11 42.80
SIT 66.23 342 P 11 50.00 6.1X
Z 20s 1.23um 5.1Msz
AIA 67.01 163 eP 11 48.00 -0.8
YKA 67.26 355 eP 11 47.50 -2.9X
0.9s 5.70nm 4.8mb
BALM 71.60 342 (P) 12 19.80 2.5
TOA 73.62 341 eP 12 30.90 1.8
PMR 74.24 340 eP 12 30.56 -2.0
1.2s 36.55nm 5.3mb
Z 19s 1.15um 5.2Msz
REF 74.81 338 (P) 12 37.37 1.2
CRP 75.11 338 (P) 12 37.66 -0.2
SDN 75.19 331 P 12 50.00 11.9X
Z 20s 2.38um 5.5Msz
RND 75.41 341 eP 12 38.15 -1.3
SVW 76.31 337 (P) 12 48.97 4.4X
0.9s 13.42nm 5.0mb
IMA 78.74 342 eP 12 58.20 0.2
1.1s 9.70nm 4.8mb
MBC 81.10 356 eP 13 11.00 0.8
1.3s 24.00nm 5.1mb
SPA 85.51 180 iPd 13 33.70 0.5
1.1s 29.17nm 5.4mb
Z 21s 1.86um 5.5Msz
SMY 88.26 323 P 14 00.00 13.5X
Z 20s 3.13um 5.7Msz
BCAO 123.40 88 ePKPc 19 55.10 1.2
0.6s 3.00nm
ed 21 36.00
BJI 128.98 320 ePKP 20 03.00 -0.9
Z 24s 1.30um 5.5MszX
e 39 44.00
LZH 139.06 324 ePKP 20 24.00 0.7
Z 34s 1.18um 5.4MszX
E 20s 1.21um
pPKP 20 29.50
ePP 23 15.00
MAIO 145.19 23 ePKP 20 33.00 -0.9
1.2s 24.31nm
KMI 146.64 311 PKPc 20 36.00 -0.8
1.5s 60.00nm
Z 28s 1.80um 5.7MszX
pP 20 45.50
CHG 152.91 304 ePKP 20 52.00 5.8X
QUE 153.28 16 ePKP 20 49.00 2.3X
GUN 154.66 338 PKP 20 53.00 4.1X
KKN 154.99 339 PKP 20 50.00 0.9
GKN 155.02 340 PKP 20 48.00 -1.1
PKI 155.14 338 PKP 20 50.60 1.1
DMN 155.22 339 PKP 20 50.40 0.9
S.D. = 1.1 on 77 of 98 obs.

? JUN 03, 1992 17h 41m 53.93± 0.99s
34.645 N ± 8.6km 5.886 W ±13.6km
DEPTH = 10.0km (geophysicist)
MOROCCO (395)
MD 2.8 (RBA).

NKM 0.89 26 iPg 42 11.00 0.0
iSg 42 23.50
IFR 1.29 151 iPg 42 18.00 0.0
iSg 42 35.50
i 42 37.00
AVE 1.85 224 ePn 42 26.00 0.1
i 42 31.50
iSn 42 55.00
TIO 3.88 198 iPg 42 55.00 -0.1
i 43 38.00
eSn 43 40.00
S.D. = 0.1 on 4 of 4 obs.

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* JUN 03, 1992 18h 51m 44.98± 1.03s
27.774 N ±14.5km 127.858 E ±12.5km
DEPTH = 10.0km (geophysicist)
4.2mb (4 obs.)
RYUKYU ISLANDS (238)

SSE 6.69 301 ePn 53 28.00 2.3
Z 20s 0.50um
N 11s 0.50um
E 10s 0.40um
NJ2 8.90 301 eP 54 04.00 7.5X
N 10s 0.65um
E 10s 0.41um
eS 55 41.00
MAT 12.37 42 eP 54 44.00 -0.1
BJI 15.59 325 eP 55 26.00 -0.3
CN2 16.11 354 eP 55 37.60 4.6X
0.8s 4.00nm 3.6mb
Z 14s 0.65um 4.2MszX
N 10s 0.35um
E 10s 0.21um
epP 55 44.00
BTO 19.48 316 eP 56 19.00 3.9X
N 12s 0.23um
E 12s 0.22um
eS 59 48.00
CD2 21.23 284 eP 56 40.00 6.6X
N 13s 0.87um
LZH 21.96 298 eP 56 44.50 3.7X
2.0s 21.00nm 4.2mb
Z 15s 0.39um 3.9MszX
N 11s 0.42um
pP 56 53.00 31kmX
GTA 25.98 304 eP 57 25.50 5.9X
1.5s 8.00nm 4.2mb
PKI 37.46 280 P 59 00.80 0.0
KKN 37.53 280 P 59 00.80 -0.5
DMN 37.71 280 P 59 01.80 -1.1
GKN 38.05 281 P 59 04.40 -1.2
WRA 47.85 172 P 00 26.00 1.0
0.6s 3.20nm 4.6mb
S.D. = 1.4 on 8 of 14 obs.

? JUN 03, 1992 20h 21m 43.30± 8.36s
45.198 N ±22.6km 28.896 E ±68.7km
DEPTH = 10.0km (geophysicist)
UKRAINE-MOLDOVA-SW RUSSIA REGION(357)
Felt (IV) at Topolog, Romania.

BRD 1.34 284 iPc 22 08.50 0.5
ISR 1.66 269 iPc 22 11.00 -1.7
VRI 1.67 295 iPd 22 12.00 -0.7
CVO 2.01 289 iPc 22 18.00 0.3
MLR 2.10 279 eP 22 20.00 0.9
PTT 2.46 316 eP 22 56.00 31.9X
MTUR 2.71 272 eP 23 04.00 36.2X
VAY 6.03 232 ePn 23 15.00 0.4
S.D. = 1.2 on 6 of 8 obs.

JUN 03, 1992 20h 28m 48.11± 0.86s
36.644 N ± 8.3km 29.573 E ± 6.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ELL 0.29 69 iPg 28 53.50 -0.7
iSg 28 59.50
CIN 1.52 309 ePn 29 16.00 0.6
iSg 29 42.00
KHL 1.68 359 iPn 29 16.50 -1.2
IZM 2.54 314 ePn 29 29.60 -0.4
PPCY 2.86 127 P 29 36.00 1.5
DST 3.05 346 ePn 29 37.00 -0.3
CSS 3.48 118 eP 29 42.00 -1.5
KCT 3.72 346 ePn 29 46.60 -0.3
NAL 3.81 20 eP 29 50.00 1.8
GYN 3.81 13 eP 29 48.80 0.6
BBTK 4.06 37 eP 29 52.00 0.3
SGKT 4.38 26 eP 29 56.30 -0.1
DVR 4.89 22 eP 30 03.50 0.0
GEC2 16.83 321 P 32 46.30 1.0
0.8s 0.67nm 2.8mb
MOX 19.03 323 eP 33 11.20 -1.3
S.D. = 1.1 on 15 of 15 obs.

JUN 03, 1992 21h 58m 11.53± 0.79s
38.399 N ± 7.1km 21.883 E ± 8.3km
DEPTH = 5.0km (geophysicist)
GREECE (364)
ML 2.7 (ATH).

AGG 0.71 29 ePg 58 24.92 -0.9
eSg 58 36.20
VLS 1.04 258 ePg 58 31.00 -0.7
ATH 1.51 106 ePb 58 39.20 0.0
LIT 1.76 15 ePb 58 44.12 1.2
eSb 59 08.60
VLI 1.87 153 ePg 58 45.00 0.5
KZN 1.91 357 ePb 58 50.00 4.9X
PAIG 2.07 42 ePn 58 46.44 -0.9
OUR 2.53 39 ePn 58 53.32 -0.5

03d 21h

VAY 2 97 10 ePn 59 01.40 1.3
S D. = 1.1 on 8 of 9 obs.

? JUN 03, 1992 22h 03m 07.46± 3.02s
10.931 N ±19.3km 61.799 W ±23.3km
DEPTH = 33 0km (normal)
TRINIDAD (98)
MD 3 1 (TRN)

TCE 0 24 169 iP 03 14.21 -0.2
eS 03 24.85
TRN 0 48 126 iP 03 17.86 0.1
eS 03 30.12
TPP 0 70 151 eP 03 21.03 0.2
eS 03 39.01
TBH 0.85 122 eP 03 22.54 -0.4
eS 03 40.39
BOT 1.09 77 eP 03 26.47 0.1
eS 03 47.09
S.D. = 0.4 on 5 of 5 obs.

& JUN 03, 1992 22h 18m 10.41s
63.265 N 151.066 W
DEPTH = 12.5km
CENTRAL ALASKA (1)
<AEIC>. ML 2.5 (AEIC).

TRF 0.40 62 eP 18 18.32 -0.4
eS 18 25.20
HUR 0.71 113 eP 18 24.27 0.1
eS 18 34.47
CUT 0.94 157 iP 18 28.28 0.2
RND 1.01 81 eP 18 29.25 -0.1
eS 18 43.56
MCK 1.06 63 eP 18 30.40 0.1
BWN 1.16 37 eP 18 32.37 0.6
eS 18 48.83
SKT 1.31 190 iP 18 33.61 -0.8
eS 18 51.39
NEA 1.58 33 eP 18 38.76 0.5
PWA 1.71 161 eP 18 40.40 0.3
eS 19 03.65
MLY 1.78 4 eP 18 40.29 -0.9
eS 19 04.14
WRH 1.79 46 eP 18 40.24 -1.0
GHO 1.80 146 eP 18 41.84 0.4
SUA 1.81 175 eP 18 42.18 0.5
eS 19 07.03
PLRM 1.91 151 eP 18 42.90 0.0
SML 1.93 138 eP 18 43.38 0.0
NCG 1.94 196 eP 18 43.57 0.1
CCB 2.00 45 eP 18 43.97 -0.3
CGLM 2.01 193 eP 18 45.46 0.9
eS 19 10.57
BGL 2.10 198 eP 18 45.68 -0.2
CKN 2.11 195 eP 18 46.13 0.1
SPU 2.14 193 eP 18 46.01 -0.4
PMS 2.15 160 eP 18 46.87 0.4
HDA 2.15 56 eP 18 46.75 0.2
CKL 2.16 197 eP 18 46.44 -0.3
FBA 2.18 40 eP 18 46.48 -0.5
KNK 2.22 146 eP 18 48.16 0.6
SCM 2.25 128 eP 18 47.71 -0.3
BKG 2.27 195 eP 18 48.70 0.4
TTA 2.27 264 eP 18 47.35 -1.0
GLM 2.36 41 eP 18 50.06 0.5
TOA 2.54 115 eP 18 51.64 -0.4
PAX 2.56 94 eP 18 52.68 0.3
PTE 2.59 157 eP 18 52.49 -0.3
SDG 2.63 104 eP 18 52.51 -0.9
RDT 2.77 194 eP 18 55.47 0.0
DFR 2.79 197 eP 18 55.15 -0.5
SLKM 2.80 171 eP 18 56.44 0.7
KLU 2.98 124 eP 18 59.58 1.2
PDB 3.80 205 eP 19 10.34 0.5
GLB 3.84 115 eP 19 10.53 -0.1
40 obs. associated

% JUN 03, 1992 23h 21m 29.07± 2.95s
43.118 N ±14.5km 19.954 E ±19.4km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.7 (TTG).

IVA 0.25 190 iPgd 21 34.50 0.1
iSg 21 38.59
PLE 0.46 298 iPgd 21 38.54 0.1
iSg 21 45.49
PVY 0.52 178 iPgd 21 39.59 -0.1
iSg 21 46.87
NKY 0.77 247 iPgc 21 43.77 -0.3
iSg 21 54.44
BRY 1.06 259 iPgd 21 48.94 -0.1
iSg 22 04.18
HCY 1.26 238 iPgc 21 52.95 0.4
iSg 22 11.05
S.D. = 0.3 on 6 of 6 obs.

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* JUN 04, 1992 00h 05m 50.33± 2.48s
47.967 N ±16.6km 8.409 E ±20.6km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.5 (LDG).

SLE 0.21 164 ePc 05 54.80 -0.1
ZLA 0.49 182 ePc 06 00.40 0.2
CDF 0.88 301 Pg 06 07.60 0.3
Sg 06 21.90
BSF 1.10 264 Pn 06 11.20 0.2
Pg 06 13.40
Sg 06 30.50
HAU 1.39 272 Pn 06 15.10 -0.6
Pg 06 18.40
Sg 06 39.60
LOR 3.16 259 Pg 06 51.50 10.5X
Sg 07 35.00
S.D. = 0.5 on 5 of 6 obs.

% JUN 04, 1992 00h 18m 01.59± 1.33s
17.672 N ±12.8km 101.084 W ± 9.8km
DEPTH = 33.0km (normal)
NEAR COAST OF GUERRERO, MEXICO (58)

ACX 1.42 124 iP 18 24.93 -0.4
iS 18 46.25
MRX 2.02 357 iP 18 33.17 -0.9
iS 18 59.59
UNM 2.44 47 (P) 18 40.00 -0.3
(S) 19 13.00
IIA 2.73 57 eP 18 44.14 0.1
IIT 2.96 63 iP 18 49.02 1.4
CGX 3.03 312 (P) 18 49.00 0.5
IISM 3.76 69 eP 18 58.09 -0.5
OXX 4.21 97 (P) 19 16.00 10.8X
S.D. = 0.9 on 7 of 8 obs.

JUN 04, 1992 00h 49m 37.59± 0.66s
43.025 N ± 5.4km 19.216 E ± 4.7km
DEPTH = 5.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.3 (TTG).

NKY 0.27 217 iPgd 49 43.56 0.6
iSg 49 48.53
PLE 0.33 23 iPgd 49 43.75 -0.5
iSg 49 48.00
BRY 0.51 256 iPgd 49 47.03 -0.8
iSg 49 54.56
IVA 0.52 107 iPgc 49 48.36 0.3
iSg 49 56.28
TTG 0.60 177 ePg 49 49.80 0.3
iSg 49 59.06
PVY 0.70 127 iPgc 49 51.70 0.0
iSg 50 02.72
HCY 0.78 223 iPgc 49 52.47 -0.8
iSg 50 04.62
BDV 0.79 201 iPgd 49 52.86 -0.6
iSg 50 05.41
ULC 1.06 179 iPgd 49 58.05 0.0
iSg 50 14.37
HVAR 2.03 275 ePn 50 14.50 1.6
iSn 50 42.20
S.D. = 0.8 on 10 of 10 obs.

JUN 04, 1992 02h 19m 47.40± 0.90s
11.980 N ± 8.6km 87.911 W ± 8.5km
DEPTH = 39.6 ± 10.4 km
4.5mb (6 obs.) 3.9Msz (1 obs.)
NEAR COAST OF NICARAGUA (74)

JCR 3.47 127 eP 20 38.66 -1.7
SJS 4.30 118 eP 20 52.42 0.3
LCR2 4.44 120 ePc 20 54.32 0.1
QCR 4.46 124 eP 20 53.65 -0.8
ICR 4.47 116 eP 20 57.01 2.0
BUS 4.74 120 ePc 20 58.21 -0.5
TPX 5.13 305 (P) 21 03.00 -0.9
ACR 5.72 125 eP 21 10.38 -1.8
OXX 9.92 302 (P) 22 11.00 0.1
MRX 14.90 303 (P) 23 19.00 1.9
FUQ 15.42 114 eP 23 27.00 2.7
BOG 15.52 117 eP 23 28.00 2.4
eS 26 42.00
SDV 17.27 99 eP 23 46.90 -0.6
TOV 17.93 95 eP 24 10.50 14.9X
JSC 23.01 14 eP 24 49.63 -0.2
LHS 23.31 15 eP 24 53.62 0.9
OLY 23.64 353 eP 24 54.47 -1.5
TKL 23.87 8 eP 24 58.18 0.0
VVO 24.31 344 eP 25 03.70 1.2
FKO 24.72 341 iPd 25 06.20 -0.2
FNO 24.72 341 iPd 25 06.00 -0.4
TUL 24.87 345 eP 25 09.20 1.4
0.8s 21.50nm 4.8mb
Z 20s 0.39um 3.9Msz
S 30 01.00
LR 33 47.00
LNO 24.87 345 eP 25 08.60 0.9
RLO 24.92 346 eP 25 09.00 0.7
OCO 24.99 341 iPd 25 12.10 3.1X
CEH 25.11 17 eP 25 08.62 -1.5
0.8s 11.78nm 4.5mb
CCM 26.14 354 eP 25 17.78 -1.9
0.8s 9.07nm 4.4mb
ACO 26.61 340 iPd 25 24.90 0.8
CVL 27.24 16 eP 25 29.55 -0.2
GOL 31.64 334 eP 26 08.99 -0.4
0.8s 5.10nm 4.4mb
ZOBO 34.23 145 eP 26 30.80 -1.7
LPB 34.44 145 P 26 34.00 -0.1
CNCB 34.73 145 P 26 36.70 0.0
e 29 15.00
RSSD 34.91 340 eP 26 37.50 -0.1
1.0s 6.24nm 4.5mb
EEO 35.35 11 eP 26 41.50 0.4
HVU 36.78 328 eP 26 54.00 0.6
SIV 38.44 136 P 27 07.00 -0.4
LMN 39.05 26 eP 27 19.00 6.8X
SES 42.74 338 eP 27 43.00 0.4
RMW 45.36 328 (P) 28 01.96 -1.8
FCC 46.92 356 eP 28 15.00 -0.7
YKA 53.95 345 eP 29 06.00 -3.2X
0.8s 1.30nm 4.0mb
MBC 66.42 352 eP 30 32.50 -1.8
WRA 138.70 253 PKP 39 12.20 0.3
0.7s 0.80nm
CHG 148.66 347 ePKP 39 31.00 2.0
S.D. = 1.3 on 41 of 45 obs.

JUN 04, 1992 02h 50m 40.53± 0.38s
42.493 N ± 4.0km 19.196 E ± 3.8km
DEPTH = 14.9 ± 3.7 km
NORTHWESTERN BALKAN REGION (383)
ML 2.7 (TTG), 2.7 (TIR), 2.3
(SKO).

BDV 0.34 233 iPgd 50 47.70 -0.1
iSg 50 53.35
NKY 0.35 336 iPgd 50 48.18 0.2
iSg 50 54.07
HCY 0.52 265 iPgd 50 50.50 -0.3
iSg 50 59.13
SDA 0.53 155 iPgd 50 52.20 1.3
iSg 50 58.80
ULC 0.53 176 iPgd 50 50.18 -0.8
iSg 50 59.07
PVY 0.58 80 iPgd 50 51.76 -0.2
iSg 51 01.13
BRY 0.63 311 iPgd 50 53.01 0.2
iSg 51 02.95
IVA 0.64 54 iPgd 50 53.16 0.2
iSg 51 02.80
PLE 0.85 10 iPgd 50 57.03 0.5
iSg 51 10.07
PHP 1.23 131 ePg 51 03.10 0.3
TIR 1.25 156 ePn 51 03.50 0.3
iSn 51 23.10
SKO 1.75 107 ePn 51 11.80 1.4
iPg 51 17.30
iSn 51 34.20
iSg 51 36.00

OHR 1.83 139 ePn 51 14.60 2.9X
HVAR 2.13 290 e(Pn) 51 18.20 2.1
BRT 2.20 223 P 51 16.20 -0.8
LCI 2.35 204 P 51 23.90 4.8X
BEO 2.50 21 ePn 51 28.00 6.8X
1.0s 0.06nm
eSg 52 03.50
SGO 3.50 238 P 51 35.70 0.3
BZS 3.58 28 eP 51 35.00 -1.5
MGR 3.61 231 P 51 37.00 -0.1
DUI 3.62 258 P 51 37.30 0.0
SDI 4.08 261 P 51 43.40 -0.3
S.D. = 0.9 on 19 of 22 obs.

JUN 04, 1992 02h 56m 36.34± 0.70s
51.573 N ± 7.1km 7.501 E ± 4.6km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 3.2 (LDG), 3.1 (GRF), 2.9 (BNS). Felt at Dortmund and Bergkamen.

WTS 0.60 315 iPgc 56 49.50 1.0
0.5s 104.00nm
BNS 0.64 199 iPgd 56 50.90 1.7
0.4s 469.00nm
iSg 57 01.50
ENN 1.28 232 iPnd 57 02.40 2.4
0.7s 35.00nm
i 57 08.00
eSn 57 19.50
WIT 1.34 338 ePn 57 07.00 6.0X
eSn 57 26.00
TNS 1.48 156 eP 57 03.40 0.4
iS 57 23.60
iSg 57 24.60
ABH 1.69 179 ePn 57 06.90 0.8
RUP 1.89 189 ePn 57 10.24 1.2
TOD 2.14 157 ePn 57 13.89 1.3
MOX 2.75 108 ePn 57 21.40 0.0
ePg 57 28.40
iSg 58 04.60
GRF 3.03 127 ePn 57 25.50 0.3
ePg 57 35.20
eSg 58 17.60
HOF 3.04 113 iPnc 57 25.10 -0.3
CDF 3.17 183 Pn 57 27.00 -0.3
Sg 58 17.30
CLL 3.45 92 ePg 57 40.00 8.8X
eSg 58 27.00
HAU 3.65 192 Pn 57 34.00 -0.1
Sg 58 31.60
BRG 4.11 97 ePn 57 40.00 -0.5
e 57 53.00
e 58 39.00
e 58 53.00
iSg 26 45.50
KHC 4.60 120 Pn 57 41.00 -6.5X
e 57 48.50
e 57 57.00
eSg 59 02.00
PRU 4.74 107 ePn 57 49.00 -0.5
e 58 08.00
eSg 59 07.00
e 26 35.30
e 26 40.70
eSn 26 47.90
Sg 26 54.80
LOR 4.92 210 Pn 57 51.00 -1.1
Sn 58 46.60
Sg 59 15.60
LBF 5.14 208 Pn 57 53.80 -1.4
Sn 58 51.80
Sg 59 21.30
SSF 5.22 212 Pn 57 55.50 -0.7
Sn 58 54.30
Sg 59 24.20
SMF 5.49 207 Pn 57 58.30 -1.8
LDF 5.74 242 Pn 58 03.20 -0.4
FLN 5.85 244 Pn 58 04.90 -0.2
Sn 59 08.70
BGF 5.88 213 Pn 58 04.30 -1.2
Sn 59 08.60
Sg 59 42.30
GRR 6.26 243 Pn 58 10.30 -0.7
Sn 59 18.00
S.D. = 1.1 on 22 of 25 obs.

JUN 04, 1992 04h 04m 03.56± 0.21s
28.018 N ± 3.8km 128.051 E ± 3.8km
DEPTH = 17.3km (13 depth phases)
5.6mb (75 obs.) 6.0Msz (36 obs.)
RYUKYU ISLANDS (238)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 69C
Centroid Location:
Origin Time 04:04: 9.2 0.2
Lat 28.07N 0.02 Lon 128.05E 0.02
Dep 20.9 2.1 Half-duration 3.8
Moment Tensor; Scale 10**18 Nm
Mrr=-0.08 0.02 Mtt= 0.40 0.03
Mff=-0.32 0.03 Mrt= 0.34 0.05
Mrf= 0.26 0.05 Mtf= 1.19 0.02
Principal Axes:
T Val= 1.40 Plg=16 Azm=323
N -0.20 74 144
P -1.20 0 53
Best Double Couple:Mo=1.3*10**18
NP1:Strike=100 Dip=79 Slip= 11
NP2: 7 79 168

SHNJ 6.63 23 P 05 44.10 1.6
SSE 6.72 299 Pn 05 40.00 -3.8X
Z 23s 37.20um
N 10s 30.00um
E 10s 17.00um
SHK 7.60 30 eP 05 58.70 2.5
TKSJ 7.86 39 eP 05 57.60 -2.3
YONJ 8.51 31 P 06 08.60 -0.3
NJ2 8.93 299 Pd 06 10.70 -3.9X
0.8s 210.00nm 6.5mb
E 10s 29.70um
S 07 56.00
WKYJ 8.94 44 eP 06 12.00 -2.9X
QZH 9.01 252 eP 06 13.00 -2.8X
1.4s 1180.00nm 7.0mb X
Z 20s 48.00um 3.9MszX
N 16s 122.00um
TSRJ 10.08 40 eP 06 28.60 -2.0
IIDJ 11.21 46 eP 06 44.90 -1.1
MTMJ 11.87 42 eP 06 54.50 -0.5
MAT 12.08 43 P 06 54.00 -3.8X
DL2 12.11 335 P 07 01.00 2.9
1.0s 220.00nm 6.4mb
N 12s 49.80um
E 12s 44.50um
S 09 10.00
WHN 12.22 285 eP 06 58.00 -1.7
Z 12s 51.80um
S 09 16.00
CHJJ 12.25 46 eP 07 00.80 0.7
TIA 12.34 314 eP 06 58.10 -3.2X
N 13s 62.50um
S 09 18.00
NIIJ 13.02 42 eP 07 03.90 -6.4X
KAKJ 13.11 48 eP 07 11.10 -0.4
BCP 13.44 212 eP 07 15.00 -0.9
eS 11 44.20
HKC 13.79 249 eP 07 21.00 0.5
GZH 14.15 253 Pd 07 23.00 -2.3
Z 14s 56.70um
N 14s 65.20um
E 14s 45.70um
S 10 04.00
YAMJ 14.25 42 P 07 30.40 3.9X
SNY 14.25 346 iPc 07 27.00 0.5
1.8s 710.00nm 6.0mb
N 11s 73.30um
E 11s 117.00um
sP 07 36.00
iS 10 12.00
sS 10 19.00
QVP 14.85 208 eP 07 45.00 10.5X
TAY 15.16 205 eP 07 40.00 1.4
TGY 15.35 207 eP 07 50.00 9.0X
BJI 15.50 324 ePc 07 45.50 2.7
N 12s 34.70um
E 12s 27.20um
OFUJ 15.81 42 P 07 44.40 -2.4
PGP 15.89 206 eP 07 53.00 5.1X
CN2 15.89 353 Pc 07 49.00 1.2
1.0s 440.00nm 5.6mb
Z 15s 83.30um 4.4MszX
N 12s 29.60um
E 12s 110.00um
epP 07 55.00
sP 07 59.00
S 10 51.00
AOMJ 16.11 36 P 07 56.90 6.2X
TIY 16.28 310 eP 07 52.40 -0.5
N 14s 95.20um
E 12s 42.60um
MDJ 16.61 4 eP 08 00.50 3.5X
1.2s 220.00nm 5.2mb
S 11 08.00
PLP 17.01 190 ePd 08 04.50 2.3
XAN 17.45 295 Pc 08 06.50 -1.2
1.5s 300.00nm 5.2mb
N 14s 63.90um
E 15s 35.40um
MRRJ 17.85 33 eP 08 12.90 0.4
MAP 18.01 193 iPc 08 21.00 6.2X
SAP 18.46 32 eP 08 24.00 4.0X
HHC 18.64 318 eP 08 22.60 0.2
1.4s 350.00nm 5.4mb
Z 18s 54.40um 4.9Msz
N 12s 21.50um
E 11s 34.30um
QIZ 18.92 246 Pd 08 27.00 1.1
N 14s 34.00um
E 13s 15.30um
HOOJ 18.94 37 eP 08 23.50 -2.4
GYA 19.08 270 P 08 28.00 0.1
N 12s 53.70um
E 12s 23.90um
BTO 19.43 315 P 08 31.00 -1.1
1.6s 460.00nm 5.5mb
N 14s 65.20um
E 14s 26.50um
sP 08 42.00
CGP 19.72 190 eP 08 33.50 -1.8
BIP 19.76 185 ePd 08 36.00 0.3
ASAJ 19.88 32 eP 08 34.80 -1.9
KUSJ 20.19 37 eP 08 38.80 -1.2
GUMO 21.25 129 Pn 08 50.60 -0.5
1.4s 668.00nm 5.9mb
Z 22s 34.40um 5.7Msz
e 08 54.40 14km
e 09 01.20
eS 12 51.20
GUA 21.32 129 Pn 08 50.30 -1.5
1.6s 1493.33nm 6.1mb
Z 19s 56.79um 6.0Msz
CD2 21.34 284 P 08 49.00 -3.0X
0.8s 61.00nm 5.1mb
Z 16s 53.50um 6.0MszX
E 13s 46.80um
pP 08 56.00 25km
PP 09 15.00
sS 12 56.00
LZH 22.00 298 eP 08 58.50 -0.2
1.5s 140.00nm 5.2mb
Z 18s 31.90um 5.8Msz
N 16s 52.70um
pP 09 08.00 35kmX
sP 09 12.00
YSS 22.18 27 eP 09 00.00 -0.2
1.6s 280.00nm 5.5mb
Z 14s 32.80um 5.9MszX
E 14s 23.50um
e 09 14.00 60kmX
e 09 33.00
KMI 22.81 269 Pc 09 07.00 0.1
1.6s 310.00nm 5.6mb
Z 12s 18.20um 5.7MszX
N 12s 31.90um
E 12s 15.10um
KUR 23.31 37 eP 09 12.00 0.7
1.0s 940.00nm 6.3mb
Z 18s 35.40um 5.9Msz
N 18s 23.00um
iS 13 23.00
KKM 24.57 209 ePc 09 24.50 0.6
2.0s 622.30nm 5.9mb
TSM 25.51 204 eP 09 36.00 3.3X
GTA 25.99 303 P 09 36.00 -1.2
1.5s 270.00nm 5.7mb
Z 20s 44.40um 6.0Msz
N 11s 17.40um
pP 09 40.00 14km

04d 04h

sP 09 43.00
S 14 08.00
sS 14 15.00
CIT 26.29 340 eP 09 29.20 -10.6X
Z 13s 67.09um 6.4MszX
CHG 28.18 257 ePc 09 57.60 0.4
1.0s 13.75nm 4.7mb
eS 14 52.00
CHTO 28.18 257 eP 09 58.00 0.8
1.2s 37.85nm 5.0mb
ZAK 29.20 327 eP 10 08 00 1.9
1.5s 82.00nm 5.3mb
Z 16s 24.75um 5.9MszX
N 16s 20.37um
E 19s 18.20um
e 11 16.00 367kmX
eS 15 00.00
eSS 16 39.00
IRK 30.01 330 eP+ 10 12.00 -1.4
1.4s 90.00nm 5.4mb
Z 16s 34.90um 6.1MszX
N 12s 17.84um
E 20s 17.39um
e 10 21.50 33kmX
e 11 22.00
e 13 24.00
eS 15 08.00
eSS 17 00.00
KHT 30.33 250 eP 10 18.00 1.5
NNT 30.57 246 eP 10 21.40 2.8
MOY 31.15 327 eP 10 21.10 -2.3
1.4s 128.00nm 5.6mb
BOD 31.37 346 iPc 10 27.20 1.9
1.5s 79.00nm 5.4mb
LSA 32.28 282 eP 10 33.00 -1.1
N 13s 11.90um
E 13s 9.28um
SNG 33.22 237 eP 10 44.00 2.2
eS 16 05.00
PET 33.68 34 eP 10 46.00 0.6
1.5s 150.00nm 5.7mb
Z 18s 18.40um 5.8Msz
N 16s 12.40um
E 16s 19.50um
e 12 00.00 392kmX
eS 16 04.00
YAK 34.02 1 eP 10 50.40 2.2
0.9s 50.00nm 5.4mb
Z 15s 31.80um 6.2MszX
N 13s 25.60um
E 12s 20.60um
ePPP 12 14.00
e 13 24.00
eS 16 12.00
eSS 18 14.00
e 21 14.00
IPM 34.70 233 ePc 10 55.10 0.4
1.0s 41.50nm 5.3mb
KGM 35.03 227 eP 11 01.00 3.5X
MGD 35.62 19 eP 11 00.00 -2.0
1.3s 70.00nm 5.4mb
Z 14s 22.00um 6.1MszX
N 14s 23.00um
E 14s 14.00um
e 11 11.00 39kmX
ePPP 12 28.00
e 12 48.00
e 13 32.00
eSSS 18 50.00
WMQ 35.90 307 P 11 03.50 -1.2
1.5s 95.00nm 5.5mb
Z 26s 27.40um 5.9MszX
N 14s 24.90um
pP 11 07.30 13km
PP 12 24.00
PcP 13 30.00
SS 19 02.80
GUN 37.11 280 P 11 13.00 -2.4
PSI 37.51 233 eP 11 37.00 18.7X
PKI 37.58 280 P 11 16.80 -2.6
KKN 37.66 280 P 11 17.50 -2.3
DMN 37.84 280 P 11 19.00 -2.4
GKN 38.18 281 P 11 21.70 -2.4
LAT 39.03 149 eP 11 31.50 0.4
RAB 39.57 140 e(P) 11 40.00 4.4X
KLI 39.61 218 eP 11 37.00 1.1
e 12 15.00 175kmX

MTN 40.73 175 eP 11 45.50 0.4
0.8s 192.00nm 5.9mb
PMG 41.54 151 eP 11 56.00 4 2X
SMY 41.92 41 eP 11 56.35 1.8
Z 21s 7.05um 5.5Msz
SEM 42.35 315 ePd 11 56.60 -1.5
1.6s 355.00nm 5.8mb
Z 12s 21.00um 6.2MszX
E 12s 15.00um
eS 18 19.60
PRZ 42.45 303 eP 12 01.00 1.7
1.2s 220.00nm 5.8mb
Z 16s 7.70um 5.7MszX
N 16s 27.10um
E 16s 13.00um
e 13 52.00
eS 18 26.00
TIK 43.66 0 eP 12 09.00 0.5
eS 18 35.00
NRN 44.20 302 eP 12 12.00 -1.8
Z 14s 14.90um 6.1MszX
eS 18 37.00
KSH 44.23 299 eP 12 15.00 1.2
Z 16s 16.80um 6.1MszX
N 14s 16.40um
E 14s 10.80um
NDI 44.46 283 eP 12 13.00 -2.6
HYB 46.59 268 eP 12 31.00 -1.7
ADK 47.24 44 eP 12 37.50 0.2
KHO 47.84 296 iP 12 41.30 -1.3
1.5s 140.00nm 5.8mb
Z 13s 6.60um 5.8MszX
N 13s 4.40um
E 13s 7.60um
iS 19 38.30
iPS 19 54.00
i 22 33.00
eSSS 24 16.00
WRA 48.07 172 P 12 43.50 -0.6
0.6s 17.70nm 5.3mb
WB2 48.07 172 iPd 12 43.00 -1.1
0.7s 47.70nm 5.7mb
GAR 48.65 299 eP 12 47.00 -1.7
N 17s 17.50um
iS 19 48.00
MBL 49.53 190 eP 12 54.00 -1.3
QIS 49.56 166 iPc 12 55.00 -0.6
1.0s 104.00nm 5.8mb
i 13 00.90 20km
POO 50.33 271 eP 13 10.50 8.7X
iS 20 20.00
ILT 50.75 23 iPc 13 03.20 -0.9
1.5s 103.00nm 5.6mb
Z 14s 16.00um 6.2MszX
N 12s 12.00um
E 12s 9.00um
e 15 08.00 730kmX
ePPP 15 58.00
eS 20 12.00
e 22 50.00
CTA 50.96 158 eP 13 08.60 2.3
0.9s 113.87nm 5.8mb
ASPA 51.69 173 iPc 13 11.20 -0.6
1.4s 27.10nm 5.0mb
Z 22s 7.80um 5.7Msz
eS 20 34.80
QUE 52.86 288 eP 13 19.50 -1.4
Z 20s 83.87um 6.8Msz
eS 20 50.00
eS 24 52.30
WARB 53.91 182 eP 13 28.00 -0.2
SVE 54.76 322 ePc 13 31.50 -2.7
2.2s 220.00nm 5.8mb
Z 17s 25.00um 6.4MszX
N 17s 7.00um
E 17s 18.00um
e 15 42.00 747kmX
eS 21 13.00
e 23 17.00
ANM 55.02 29 eP 13 37.70 1.6
ARU 55.88 321 eP 13 40.00 -2.3
Z 14s 30.00um 6.5MszX
E 14s 20.50um
e 13 49.00 29kmX
e 13 52.50
e 14 39.50
e 15 53.00

eS 21 27.00
SDN 57.03 40 P 14 00.00 9.4X
Z 20s 5.56um 5.7Msz
MAIO 57.55 297 eP 13 54.00 -0.6
eS 21 12.00
RMO 57.73 158 eP 13 59.00 3.2X
ASH 58.09 299 eP 13 57.00 -1.2
1.4s 210.00nm 6.0mb
e 22 00.00
e 22 18.00
FORT 58.47 180 eP 14 04.00 3.2X
COOL 58.94 187 eP 14 02.50 -1.7
BRW 58.99 21 eP 14 04.50 0.4
TTA 59.08 31 eP 14 05.30 0.3
SVW 59.34 33 eP 14 06.20 -0.5
1.5s 118.71nm 5.8mb
KAT 59.41 301 eP 14 10.00 2.7
Z 12s 5.00um 5.9MszX
N 13s 12.00um
E 12s 10.00um
ePPP 17 50.00
iS 22 23.00
e 23 55.00
eSS 26 10.00
IMA 60.00 27 eP 14 13.00 1.7
1.2s 39.80nm 5.4mb
MUN 60.72 192 eP 14 19.60 3.3X
STK 60.95 167 iPd 14 17.20 -0.7
0.5s 6.30nm 5.0mb
CRP 61.00 33 eP 14 18.68 0.5
KDC 61.24 37 eP 14 21.10 1.5
NWAO 61.47 190 eP 14 25.00 3.5X
1.0s 60.00nm 5.7mb
Z 22s 1.40um 5.1Msz
CMS 61.55 163 eP 14 23.00 1.0
i 14 28.00 16km
SLKM 62.03 34 eP 14 22.92 -2.1
DZM 62.08 139 iPc 14 25.90 0.0
RND 62.28 30 eP 14 26.85 0.1
PMR 62.40 32 eP 14 28.70 1.3
1.4s 106.60nm 5.8mb
Z 18s 5.70um 5.8Msz
FBA 62.55 29 eP 14 29.70 1.3
0.9s 30.30nm 5.5mb
RKG 63.12 190 eP 14 33.00 0.6
BAK 63.88 304 eP 14 44.00 6.6X
Z 15s 10.60um 6.1MszX
N 15s 13.10um
E 20s 15.96um
eS 23 27.00
KLU 63.94 32 eP 14 36.84 -0.8
SHE 64.74 304 eP 14 47.00 3.9X
1.0s 40.00nm 5.5mb
Z 16s 5.00um 5.8MszX
N 16s 4.50um
E 16s 7.00um
iS 23 28.00
BWA 65.03 161 eP 14 47.10 2.1
i 14 51.00 13km
BALM 65.72 32 eP 14 48.84 -0.4
CAN 66.03 161 eP 14 52.60 1.2
i 14 57.30 15km
GRO 66.09 308 eP 14 50.00 -1.7
Z 16s 29.00um 6.6MszX
N 24s 17.00um
E 16s 34.00um
iS 23 38.00
CNB 66.13 161 iPc 14 58.00 6.0X
0.8s 36.00nm 5.6mb
APA 66.20 335 iPc 14 59.20 7.1X
iS 24 44.00
BFD 66.26 167 e(P) 14 51.00 -1.7
1.0s 43.00nm 5.6mb
OPA 66.47 77 eP 14 55.99 1.5
HON 66.62 77 P 15 10.00 14.6X
Z 20s 5.91um 5.8Msz
GRS 66.76 304 eP 14 55.00 -1.3
1.4s 50.00nm 5.5mb
Z 14s 1.79um 5.4MszX
N 14s 1.73um
E 14s 2.30um
e 17 28.00
eS 23 50.00
eSS 28 08.00
MTA 67.20 306 eP 15 03.00 4.2X
Z 16s 2.00um 5.4MszX
N 16s 6.00um

E 16s 2.50um
e 15 10.00 22km
e 15 27.00
ePPP 19 07.00
ePS 24 27.00
TOO 67.26 165 iPc 15 03.00 3.8X
1.1s 92.00nm 5.9mb
MOS 67.56 322 eP 15 07.00 6.1X
Z 19s 26.00um 6.5Msz
N 17s 23.00um
E 17s 11.00um
e 15 32.00 98kmX
PYA 67.71 309 eP 15 02.00 -0.1
Z 20s 9.50um 6.0Msz
N 20s 2.50um
E 20s 14.00um
eS 24 04.00
KEV 67.72 338 eP 15 05.00 3.3X
Z 16s 17.40um 6.4MszX
eS 24 04.00
LR 50 16.00
KIV 67.99 309 iP 15 05.30 1.3
Z 19s 7.47um 5.9Msz
i 17 35.70
iS 24 03.30
iPS 24 34.90
MBC 68.14 14 eP 15 04.50 0.3
1.2s 27.00nm 5.3mb
OBN 68.31 322 eP 15 09.00 3.4X
2.0s 80.00nm 5.5mb
Z 18s 30.60um 6.6Msz
N 18s 21.00um
E 16s 17.70um
e 15 33.00 93kmX
ePPP 19 19.00
eS 24 02.00
e 24 48.00
eSS 28 28.00
PUL 69.95 328 eP 15 00.00 -15.5X
Z 18s 13.00um 6.2Msz
N 13s 7.00um
E 16s 11.00um
eS 24 26.00
eSSS 32 00.00
SOC 70.14 309 eP 15 17.00 0.0
Z 18s 7.50um 6.0Msz
N 19s 3.00um
E 19s 4.20um
eS 24 25.00
ePS 25 02.00
SIT 70.39 35 eP 15 20.40 2.2
1.2s 112.20nm 5.9mb
KAF 70.87 331 iP 15 21.60 0.5
0.7s 6.30nm 4.9mb
ANN 71.31 311 eP 15 27.00 2.9X
Z 19s 9.00um 6.1Msz
N 18s 8.50um
E 18s 10.00um
eS 24 38.00
AFI 71.61 117 eP 15 24.00 -2.4
e 27 28.00
e 33 30.00
NUR 72.26 330 eP 15 30.00 0.6
0.5s 3.40nm 4.7mb
Z 16s 22.00um 6.5MszX
eS 24 48.00
eSS 29 48.00
LR 50 40.00
MNK 73.65 323 eP 15 36.00 -1.7
Z 16s 21.10um 6.5MszX
N 14s 14.20um
E 16s 17.30um
eS 25 08.00
TRHT 73.78 307 eP 15 38.00 -0.9
UPP 75.66 331 iP 15 50.10 1.0
KIS 75.86 316 eP 15 51.00 0.4
Z 14s 10.30um 6.3MszX
N 18s 7.70um
E 13s 2.70um
e 16 07.00 57kmX
eS 25 38.00
DVR 76.34 309 eP 15 54.50 1.0
BHL 76.78 301 P 16 00.00 3.9X
YKA 76.98 25 eP 15 53.90 -2.6
1.3s 24.80nm 5.1mb
LVV 77.45 320 eP 16 08.00 8.6X
Z 20s 35.10um 6.7Msz
N 17s 19.00um
E 17s 15.00um
eS 25 55.00
eSS 30 41.00
NB2 77.65 334 P 16 03.30 3.0X
0.8s 3.60nm 4.5mb X
VRI 77.70 315 ePc 16 04.00 3.1X
MLR 78.36 315 eP 16 06.00 1.3
ITU 78.40 310 eP 16 04.00 -0.8
UZH 79.02 319 eP 16 12.00 4.0X
Z 19s 13.00um 6.3Msz
E 19s 29.00um
e 19 04.00
eS 26 08.00
iPS 27 05.00
eSS 31 08.00
KONO 79.13 333 eP 16 28.00 19.6X
OJC 79.62 322 eP 16 13.80 2.6
Z 16s 18.10um 6.5MszX
e 16 18.50 15km
e 16 31.90
eS 26 29.00
SPC 79.91 321 eP 16 15.40 2.4
BZS 80.95 317 eP 16 20.00 1.6
KSP 81.17 323 eP 16 21.30 1.9
1.1s 29.00nm 5.2mb
GMW 81.54 40 eP 16 20.92 -0.6
SRO 81.72 320 eP 16 29.00 6.6X
e 16 36.50 24km
BMW 81.86 41 eP 16 21.71 -1.5
RMW 82.15 40 eP 16 24.54 -0.2
ZST 82.20 321 e(P) 16 28.70 3.9X
Z 12s 14.80um 6.6MszX
e 17 30.70 260kmX
LR 04 59.00
PNT 82.33 38 eP 16 25.00 -0.6
1.1s 43.00nm 5.5mb
BRG 82.37 324 eP 16 30.00 4.3X
2.0s 44.00nm 5.2mb
e 16 35.80 18km
e 16 58.90
eS 26 48.00
e 28 00.00
e 28 48.00
LON 82.53 41 (P) 16 25.80 -0.9
VAY 82.55 313 iP 16 24.60 -2.2
PRU 82.57 323 eP 16 31.20 4.4X
Z 16s 19.30um 6.6MszX
N 14s 13.20um
E 16s 14.30um
e 16 49.50 66kmX
e 19 30.50
eS 26 47.60
eSS 32 14.00
SHW 82.59 41 (P) 16 26.61 -0.5
VKA 82.59 321 eP 16 31.00 4.1X
3.5s 340.00nm 5.9mb X
Z 12s 7.40um 6.3MszX
i 16 36.00 16km
LR 00 00.00
CLL 82.60 325 eP 16 29.00 2.1
Z 18s 35.00um 6.8Msz
e 16 39.00 32kmX
eS 26 43.00
SKO 82.94 314 iP 16 32.90 4.0X
Z 18s 6.30um 6.0Msz
i 17 03.60 119kmX
LR 56 35.00
GDH 83.01 1 ePc 16 27.00 -1.6
e 26 45.00
e 32 05.00
e 38 26.00
KKS 83.54 314 eP 16 35.50 3.6X
KHC 83.58 323 P 16 36.50 4.4X
1.4s 14.50nm 5.0mb
Z 16s 25.50um 6.7MszX
N 14s 7.50um
E 16s 22.50um
e 16 55.00 67kmX
e 17 04.00
eS 27 00.00
MOX 83.70 325 eP 16 34.00 1.4
Z 19s 21.00um 6.5Msz
N 18s 15.00um
E 18s 15.00um
eS 27 00.00
PHP 83.73 314 eP 16 35.70 2.9X
OHR 83.80 313 eP 16 36.00 2.6
VGB 83.81 41 (P) 16 35.07 1.7
DPW 83.93 38 eP 16 32.55 -1.3
PTJ 84.13 319 eP 16 36.40 1.4
SDA 84.15 315 eP 16 38.60 3.6X
ZAG 84.16 319 eP 16 44.00 9.0X
TIR 84.27 314 eP 16 36.70 1.1
NEW 84.29 38 eP 16 34.29 -1.4
1.3s 141.51nm 6.0mb
Z 20s 4.00um 5.8Msz
GRF 84.48 324 eP 16 39.10 2.6
Z 17s 17.00um 6.5MszX
TPE 84.74 313 eP 16 40.40 2.4
VBY 84.76 319 eP 16 44.50 6.5X
e 17 09.80 95kmX
BHG 84.79 322 iPc 16 43.00 4.9X
LJU 84.86 320 e(P) 16 41.00 2.5
e(S) 27 00.00
SRN 84.97 313 eP 16 41.00 1.9
CEY 85.10 320 e(P) 16 45.50 5.8X
WTS 85.20 328 eP 16 47.00 7.0X
2.9s 167.00nm 5.8mb
VOY 85.23 320 eP 16 44.30 3.8X
e 17 09.90 96kmX
LBFM 85.46 45 eP 16 42.55 0.7
TRI 85.49 320 e(P) 16 52.00 10.4X
e(S) 27 12.00
TNS 85.55 326 eP+ 16 51.00 9.1X
BNS 85.69 327 e(P)- 16 36.00 -6.5X
Z 15s 30.70um 6.8MszX
i 39 25.00
DBN 85.88 329 eP 16 42.00 -1.4
Z 20s 12.50um 6.3Msz
ePP 20 04.00
eS 27 10.00
e 29 08.00
eSS 33 02.00
eSSS 37 24.00
LTCM 85.94 46 eP 16 45.02 1.0
SES 86.08 33 eP 16 44.00 -0.6
1.8s 164.00nm 5.9mb
ENN 86.42 327 eP 16 53.00 6.9X
2.5s 150.00nm 5.8mb
FCC 86.72 21 eP 16 48.00 0.5
CDF 87.30 325 eP 17 11.60 21.0X
1.2s 18.45nm
ARN 87.91 48 eP 16 52.96 -0.7
LCCM 88.60 37 eP 16 56.20 -0.8
LPL 89.48 323 eP 17 03.80 2.5
1.1s 10.00nm 5.0mb
LPG 89.48 323 eP 17 03.30 1.9
1.1s 6.85nm 4.8mb
PHAM 89.51 49 (P) 17 02.80 1.4
BONR 89.66 46 eP 17 02.49 0.1
TNP 90.28 46 eP 17 04.93 -0.2
0.9s 23.14nm 5.4mb
HVU 90.70 41 eP 17 07.52 0.8
DUG 91.68 42 eP 17 11.15 -0.3
1.3s 50.99nm 5.7mb
PMO 91.82 106 eP 17 19.00 6.9X
1.2s 75.00nm 6.0mb
TPT 92.04 106 eP 17 20.00 6.9X
1.2s 35.00nm 5.6mb
SSK 92.26 49 (P) 17 14.53 0.2
RUV 92.34 106 eP 17 21.00 6.5X
1.2s 40.00nm 5.7mb
DAU 92.46 41 eP 17 14.83 -0.4
PEC 92.81 49 eP 17 16.60 0.0
1.0s 10.73nm 5.2mb
ARUT 92.82 44 eP 17 17.41 0.6
EMUT 93.10 41 eP 17 18.45 0.3
SRU 93.73 42 eP 17 21.32 0.3
RSSD 93.85 35 eP 17 21.00 -0.5
1.0s 46.91nm 5.8mb
Z 20s 4.52um 5.9Msz
PV10 95.09 41 eP 17 27.00 -0.3
GOL 96.27 39 eP 17 36.30 3.6X
1.2s 11.32nm 5.2mb
Z 19s 3.83um 5.9Msz
ALQ 98.93 43 P 17 50.00 5.3X
Z 20s 2.55um 5.7Msz
EEO 101.74 19 ePdiff18 00.50 3.8X
SLM 104.65 30 Pdiff 18 20.00 10.2X
Z 19s 1.81um 5.6Msz
CCM 104.67 31 Pdiff 18 20.00 10.1X
Z 21s 3.71um 5.9Msz
BCAO 104.99 283 ePdiff22 21.00 249.1X

```
        1.6s      39 00nm
                     ic      22 45.00
FVM    105.10   31 PKP     22 40.00   13.5X
      Z  21s       5.92um               6.1Msz
HRV    107.53   15 PKP     22 40.00    9.1X
      Z  19s       5.05um               6.1Msz
MCWV   107.83   22 PKP     22 40.00    8.4X
      Z  20s       3.84um               6.0Msz
CEH    111.48   23 PKP     22 50.00   11.4X
      Z  20s       4.90um               6.1Msz
SPA    117.86  180 ePKP    22 51.40    1.4
        1.1s       5.36nm
KIC    123.06  300 PKP     23 04.20    2.9X
TIC    123.10  300 PKP     23 04.70    3.3X
LIC    123.37  300 PKP     23 04.80    2.9X
ZOBO   161.03   55 PKP     24 04.50   -0.6
      Z  24s       2.47um               5.5Msz
                   i       24 13.20
                   LR      21 28.00
LPB    161.21   56 PKP     24 13.00    8.0X
      Z  22s       2.22um
                   PKS     28 50.00
                   SKS     34 41.00
                   LR      21 26.00
CNCB   161.47   56 PKP     24 12.00    6.5X
                   PKS     28 40.00
                   SKS     34 38.00
SIV    165.35   37 PKP     24 15.50    7.0X
PPD    174.01  354 ePKP    24 11.40   -1.9
     S.D. = 1.5   on 177 of 263 obs.
-------------------------------------------
    JUN  04, 1992  04h 50m 01.76± 0.50s
    31.455 S ± 9.4km    68.608 W ±12.3km
    DEPTH = 120.7 ±  5.8 km
    4.5mb (   1 obs.)
  SAN JUAN PROVINCE, ARGENTINA     (137)

ZON       0.11 214 iPd     50 19.00    0.2
RTCB      0.17 259 e(P)d   50 18.40   -0.6
RTLL      0.17  44 iPc     50 17.90   -1.0
                   S       50 34.20
CFA       0.35 116 iPc     50 19.20   -0.1
RTBS      0.75 254 iPd     50 22.00    0.2
JACH      2.08 234 iPc     50 37.40    0.5
                   iS      51 04.20
RTPR      2.14  58 iPc     50 37.30   -0.1
FCH       2.35 217 iPc     50 42.00    1.5
                   iS      51 12.70
PEL       2.44 226 iPd     50 41.20   -0.2
                   iS      51 11.10
ROCH      2.54 233 iPc     50 42.40   -0.5
                   iS      51 13.10
SAN       2.64 221 iP      50 44.50    0.4
                   iS      51 16.20
PCH       2.69 216 iP      50 45.70    0.9
                   iS      51 19.30
TACH      2.95 221 iPc     50 47.80   -0.2
                   iS      51 22.00
CHCH      3.01 214 iPc     50 49.60    0.6
                   iS      51 25.90
CACH      3.14 212 iPc     50 51.80    1.0
                   iS      51 30.30
LCCH      3.21 230 iPc     50 50.30   -1.3
LNV       3.44 223 iPc     50 52.80   -1.7
                   iS      51 31.80
CNCB     14.59   2 P       53 25.00    0.9
LPB      14.86   2 Pc      53 32.00    4.6X
ZOBO     15.11   2 P       53 32.00    1.4
VVO      71.16 337 eP      01 08.90   -0.1
RLO      71.68 338 eP      01 11.60   -0.5
LNO      71.70 337 eP      01 11.30   -0.8
TUL      71.70 337 eP      01 11.80   -0.4
       0.9s      8.10nm               4.5mb
     S.D. = 0.9   on  23 of  24 obs.
-------------------------------------------
%  JUN  04, 1992  05h 12m 42.55± 1.15s
   17.330 N ±11.6km   100.434 W ± 9.5km
    DEPTH =  33.0km  (normal)
  GUERRERO, MEXICO                  ( 59)

ACX       0.72 130 iP      12 56.50    0.3
                   iS      13 05.00
UNM       2.32  31 eP      13 20.00    0.6
MRX       2.47 343 iP      13 22.00    0.7
                   iS      13 52.00
IIT       2.63  50 eP      13 22.50   -1.4
                   iS      13 55.00
IISM      3.34  60 eP      13 34.00    0.3
                   (S)     14 15.00
OXX       3.56  93 (P)     13 43.50    6.5X
COLM      3.60 301 eP      13 37.00   -0.5
     S.D. = 1.0   on    6 of    7 obs.
-------------------------------------------
&  JUN  04, 1992  05h 22m 22.28s
    33.983 N            116.262 W
    DEPTH =   5.0km
  SOUTHERN CALIFORNIA               ( 43)
      <PAS-P>. ML 2.9 (PAS).

PEC       0.75 263 (P)     22 45.91    8.5
PLM       0.80 219 (P)     22 44.30    5.8
SSK       1.21 281 eP      22 44.25   -1.1
                   eS      23 00.86
GLA       1.52 127 ePn     22 48.07   -2.1
                   ePg     22 50.16
                   eS      23 11.20
ABL       2.59 290 ePn     23 02.90   -2.9
TNP       4.16 350 (P)     23 26.33   -1.7
BONR      4.29 338 ePn     23 28.15   -1.9
ARUT      4.43  30 ePn     23 31.39   -0.5
                   ePg     23 45.06
        8 obs. associated
-------------------------------------------
    JUN  04, 1992  05h 51m 54.22± 0.64s
    41.045 N ± 5.1km    19.954 E ± 6.7km
    DEPTH =  10.0km  (geophysicist)
  ALBANIA                           (391)
        ML 2.8 (TTG), 2.5 (TIR).

TIR       0.31 348 iPgc    52 01.00    0.4
                   iSg     52 06.70
OHR       0.64  84 iPgd    52 05.80   -1.3
                   iSg     52 16.20
VLO       0.67 211 ePg     52 06.50   -1.1
                   iSg     52 17.50
PHP       0.74  30 iPgc    52 06.70   -2.0
                   iSg     52 19.70
PHP       0.74  30 ePg     52 08.50   -0.2
SDA       1.03 341 ePn     52 17.10    3.5X
ULC       1.06 330 iPgd    52 13.51   -0.7
                   iSg     52 30.47
KKS       1.09  18 ePg     52 15.00    0.4
                   iSg     52 31.00
SRN       1.16 178 ePn     52 17.40    1.5
SKO       1.45  50 iPn     52 21.70    1.2
                   iSn     52 41.00
BDV       1.50 326 iPgc    52 20.86   -0.3
                   iSg     52 42.74
PVY       1.55   1 iPnd    52 23.44    1.5
                   iSn     52 46.50
HCY       1.78 323 iPnd    52 24.31   -0.8
                   iSn     52 48.94
IVA       1.83 359 iPnc    52 27.45    1.5
                   iSn     52 53.20
NKY       1.91 338 iPnc    52 27.20    0.1
                   iSn     52 53.56
BRY       2.13 331 iPnc    52 29.94   -0.5
                   iSn     52 58.27
PLE       2.32 350 iPnc    52 33.70    0.5
                   iSn     53 04.45
      S.D. = 1.1   on   16 of   17 obs.
-------------------------------------------
?  JUN  04, 1992  07h 03m 05.41± 2.00s
    27.487 N ±21.5km   127.902 E ±21.2km
    DEPTH =  33.0km  (normal)
    4.1mb (  6 obs.)  3.9Msz (   1 obs.)
  RYUKYU ISLANDS                    (238)

SSE       6.88 303 eP      05 02.50   16.0X
        Z  20s      0.50um
        N  10s      0.40um
        E  10s      0.40um
BJI      15.85 325 eP      06 48.50    0.9
        1.3s     20.00nm              4.1mb
        Z  16s      0.35um
CN2      16.40 354 eP      06 54.00   -0.6
        1.0s      7.40nm              3.8mb
        Z  14s      0.65um
        N  13s      0.24um
        E  13s      0.79um
                   epP     07 01.00
BTO      19.72 316 eP      07 32.20   -3.0X
LZH      22.13 299 eP      08 03.00    3.0X
        1.5s     17.00nm              4.3mb
        Z  20s      0.49um              3.9Msz
        N  12s      0.41um
                   pP      08 09.00   22kmX
KMI      22.67 270 eP      08 05.50    0.1
        1.2s     50.00nm              4.9mb
        Z  14s      1.40um              4.6MszX
        N  11s      1.80um
        E  11s      1.10um
GTA      26.17 304 eP      08 38.00   -0.7
        1.5s      7.00nm              4.0mb
YKA      77.51  25 eP      14 59.40    0.3
        0.7s      0.20nm              3.3mb
      S.D. = 1.0   on    5 of    8 obs.
-------------------------------------------
&  JUN  04, 1992  07h 19m 48.77s
    59.990 N            152.583 W
    DEPTH =  87.4km
  SOUTHERN ALASKA                   (  2)
      <AEIC>.

INE       0.25 287 eP      20 01.25   -0.8
                   eS      20 11.63
IVS       0.25 275 P       20 02.40    0.2
RED       0.44 348 eP      20 02.35   -0.7
                   eS      20 13.31
RS1       0.48 350 iP      20 02.98   -0.5
RSO       0.48 350 iP      20 02.97   -0.6
                   eS      20 14.54
RS2       0.48 350 iP      20 03.00   -0.6
REF       0.50 353 iP      20 03.15   -0.6
                   eS      20 14.75
HOM       0.58 125 eP      20 04.16    0.1
RDT       0.59   8 iP      20 03.63   -0.7
                   eS      20 15.58
DFR       0.61 355 eP      20 03.86   -0.6
NNL       0.65  85 iP      20 05.48    0.7
AUL       0.75 216 eP      20 05.31   -0.4
                   eS      20 18.34
AUE       0.75 213 eP      20 05.05   -0.7
AUP       0.76 214 eP      20 05.31   -0.7
AUH       0.76 215 eP      20 05.79   -0.2
AUI       0.78 213 eP      20 05.16   -1.0
                   eS      20 17.88
CNPM      0.83 124 eP      20 06.39   -0.2
PDB       0.84 257 eP      20 05.62   -1.1
NKA       1.01  41 eP      20 10.06    1.4
BKG       1.10   8 iP      20 09.10   -0.7
CDD       1.19 207 eP      20 09.52   -1.4
CKL       1.22   6 iP      20 10.61   -0.7
SPU       1.22  12 iP      20 10.66   -0.7
CKN       1.25   9 eP      20 11.08   -0.6
BGL       1.28   4 iP      20 11.56   -0.5
SLKM      1.29  65 eP      20 11.94   -0.2
CPKM      1.29   8 eP      20 11.87   -0.4
CRP       1.30   9 iPd     20 11.27   -1.1
CGLM      1.35  12 iP      20 12.47   -0.5
SYI       1.39 176 eP      20 12.70   -0.6
NCG       1.43   8 iP      20 13.46   -0.6
SEW       1.58  84 eP      20 14.60   -1.1
SUA       1.73  31 eP      20 17.86   -0.1
SVW       1.87 308 iPd     20 17.56   -2.2
                   eS      20 39.18
PMS       1.95  49 P       20 20.30   -0.5
PTE       1.97  62 eP      20 20.03   -1.0
SKT       2.06  14 iP      20 21.25   -1.0
PWA       2.13  37 P       20 23.70    0.6
KDC       2.25 179 P       20 22.60   -2.2
PLRM      2.33  45 eP      20 24.71   -1.2
PMR       2.33  45 eP      20 24.79   -1.1
KNK       2.48  53 eP      20 26.56   -1.4
GHO       2.53  43 eP      20 27.49   -1.2
CUT       2.67  24 eP      20 30.16   -0.3
SML       2.76  47 eP      20 30.33   -1.5
HIN       3.06  80 eP      20 34.20   -1.8
SCM       3.16  52 eP      20 35.91   -1.5
VLZ       3.29  67 eP      20 37.07   -2.0
TTA       3.38 332 P       20 39.70   -0.7
CVA       3.45  78 eP      20 39.91   -1.3
KLU       3.60  62 eP      20 41.07   -2.4
TRF       3.64  16 eP      20 42.98   -1.1
TOA       3.77  53 P       20 44.40   -1.4
RND       3.86  26 eP      20 44.98   -2.1
FBA       5.41  22 eP      21 01.20   -7.3
        55 obs. associated
-------------------------------------------
•  JUN  04, 1992  07h 33m 01.06± 1.15s
    28.048 N ±13.2km   127.767 E ± 9.1km
```

DEPTH = 17.9km (3 depth phases)
4.6mb (10 obs.)
NORTHWEST OF RYUKYU ISLANDS (234)

KAGJ 4.14 40 P 34 02.10 -2.8
eS 34 51.50
KUMJ 5.20 30 P 34 20.70 0.9
SSE 6.49 300 ePn 34 38.50 0.5
Z 14s 4.80um
N 10s 4.30um
E 10s 3.30um
SHNJ 6.70 24 eP 34 41.60 0.6
NJ2 8.69 299 Pc 35 07.00 -1.8
N 11s 4.79um
E 10s 4.57um
QZH 8.78 251 eP 35 13.00 2.9X
Z 10s 3.82um
E 10s 2.76um
WHN 11.97 285 eP 35 58.50 4.7X
Z 14s 1.76um
N 14s 7.99um
eS 38 08.00
TIA 12.14 315 eP 35 55.00 -1.1
Z 15s 3.50um
N 14s 3.50um
E 14s 3.50um
S 38 20.00
GZH 13.92 252 eP 36 19.00 -0.7
Z 12s 2.41um
N 12s 1.96um
E 12s 1.50um
SNY 14.17 347 Pc 36 24.00 1.2
Z 14s 3.19um
N 10s 1.64um
E 10s 2.37um
S 39 08.00
BJI 15.32 324 eP 36 42.00 4.0X
1.0s 55.00nm 4.8mb
Z 16s 1.75um 4.1Msz
N 12s 0.93um
CN2 15.83 354 P 36 48.70 4.2X
1.0s 24.00nm 4.3mb
Z 13s 4.44um 4.6MszX
N 11s 3.41um
E 11s 0.85um
MDJ 16.60 5 eP 36 55.30 1.0
1.2s 38.00nm 4.4mb
Z 16s 1.89um 4.6Msz
N 14s 1.18um
E 12s 1.67um
pP 37 02.00
XAN 17.21 295 P 37 04.50 2.4
N 12s 5.18um
HHC 18.44 318 eP 37 18.00 0.5
1.2s 26.00nm 4.3mb
Z 12s 3.73um 5.9Msz
N 12s 2.02um
E 12s 2.17um
QIZ 18.71 245 eP 37 25.00 4.3X
N 13s 1.34um
E 14s 1.22um
eS 40 53.00
GYA 18.83 270 P 37 24.00 1.7
Z 14s 4.23um
N 11s 3.17um
E 11s 1.82um
pP 37 30.00
BTO 19.23 315 eP 37 26.50 -0.6
N 11s 2.29um
E 11s 1.26um
sP 37 37.00
eS 41 07.50
CD2 21.09 284 eP 37 45.60 -1.3
1.0s 59.00nm 4.9mb
Z 10s 2.67um 4.9MszX
E 10s 2.91um
pP 37 55.00 35kmX
eS 41 41.00
sS 41 53.00
LZH 21.76 298 eP 37 53.00 -0.8
2.0s 49.00nm 4.6mb
Z 15s 1.85um 4.6MszX
N 12s 3.35um
pP 37 59.00 22km
sP 38 03.00
PP 38 24.00
eS 41 58.00

sS 42 07.00
KMI 22.56 268 eP 38 05.50 3.6X
1.2s 50.00nm 4.9mb
Z 14s 1.40um 4.5MszX
N 11s 1.80um
E 11s 1.10um
pP 38 10.00 16km
GTA 25.76 303 eP 38 31.50 -1.0
1.5s 35.00nm 4.8mb
Z 16s 2.29um 4.8MszX
N 12s 2.48um
pP 38 36.00 16km
S 43 04.00
WMQ 35.68 307 P 40 00.00 -0.3
1.5s 16.00nm 4.7mb
Z 13s 1.58um 5.0MszX
N 13s 1.73um
pP 40 11.70 42kmX
sS 45 42.00
YKA 77.06 25 eP 44 50.30 -4.1X
0.9s 1.80nm 4.1mb
LPB 161.40 55 PKP 53 03.00 0.4
CNCB 161.66 56 PKP 53 04.20 1.1
S.D. = 1.4 on 19 of 26 obs.

• JUN 04, 1992 07h 41m 05.16± 2.09s
37.195 N ±19.5km 21.518 E ±19.0km
DEPTH = 10.0km (geophysicist)
SOUTHERN GREECE (368)
ML 3.7 (ATH).

VLS 1.23 323 iPnd 41 28.10 0.1
eSg 41 41.50
VLI 1.23 112 ePb 41 28.10 0.0
ATH 1.91 65 ePg 41 44.00 5.9X
KEK 2.85 332 ePg 41 58.00 6.5X
KZN 3.11 4 ePn 41 56.00 0.7
OHR 3.95 352 ePn 42 06.50 -0.7
VAY 4.20 11 ePn 42 10.40 -0.2
SKO 4.77 359 ePn 42 08.00 -10.8X
S.D. = 0.7 on 5 of 8 obs.

JUN 04, 1992 08h 26m 55.58± 0.35s
32.757 S ± 6.3km 69.222 W ± 6.5km
DEPTH = 122.5km (5 depth phases)
4.5mb (4 obs.)
MENDOZA PROVINCE, ARGENTINA (139)
MD 4.6 (SAN). Felt (III) in
Mendoza Province.

FCH 1.06 237 iPc 27 19.70 0.6
RTBS 1.11 350 iPd 27 19.60 0.4
JACH 1.16 273 iPc 27 19.60 -0.2
PEL 1.29 252 iPc 27 21.10 -0.1
RTCB 1.32 16 iPd 27 21.60 0.0
PCH 1.38 231 iPc 27 22.90 0.6
SAN 1.39 240 iPc 27 22.50 0.2
iS 27 42.30
CFA 1.42 36 iPc 27 22.50 -0.1
ROCH 1.52 261 iPc 27 23.30 -0.7
RTLL 1.56 24 iPc 27 24.00 -0.3
(S) 27 45.50
CHCH 1.68 225 iPc 27 26.20 0.5
TACH 1.69 238 iPc 27 25.70 -0.2
CACH 1.78 220 iPc 27 28.10 1.1
LCCH 2.10 249 iPc 27 29.70 -1.1
LNV 2.19 236 iPc 27 30.60 -1.4
RTPR 3.37 44 iPc 27 46.20 -1.3
CNCB 15.92 4 P 30 37.80 3.3X
LPB 16.19 4 eP 30 39.00 1.3
ZOBO 16.43 4 Pc 30 41.10 0.2
SIV 18.25 26 P 31 01.00 -1.4
VAO 21.90 69 eP 31 40.40 0.6
e 31 42.40
PDCR 34.11 61 eP 33 20.60 -9.9X
LIC 72.14 70 P 38 08.80 -0.1
KIC 72.45 70 P 38 10.60 -0.1
FVM 73.10 343 ePc 38 13.35 -0.6
0.5s 11.03nm 4.9mb
e 38 21.79
pP 38 43.46 120km
CCM 73.38 342 eP 38 15.27 -0.3
1.0s 10.39nm 4.6mb
ipP 38 46.03 122km
GOL 79.49 332 eP 38 49.32 -0.8
0.9s 5.34nm 4.3mb
pP 39 21.85 129km

EEO 79.53 353 eP 38 51.00 1.2
pP 39 22.00 122km
SRU 81.13 329 eP 38 58.61 0.0
ARUT 81.38 326 eP 39 00.80 0.9
MSU 81.38 327 eP 39 00.31 0.3
DAU 82.52 329 (P) 39 06.59 0.6
HVU 84.30 329 eP 39 14.70 -0.1
FCC 93.51 347 eP 39 59.50 1.7
pP 40 31.00 120km
YKA 101.66 340 ePdiff40 33.70 -1.0
0.8s 0.40nm 4.2mb
WB2 122.95 207 iPKPc 45 38.60 -0.6
0.5s 2.60nm
WRA 122.96 207 PKP 45 39.20 0.0
0.7s 1.20nm
S.D. = 0.8 on 35 of 37 obs.

% JUN 04, 1992 08h 32m 41.33± 0.87s
38.419 S ± 5.1km 175.959 E ± 4.9km
DEPTH = 200.1 ± 9.5 km
NORTH ISLAND, NEW ZEALAND (159)

WLZ 0.65 333 Pc 33 08.80 -0.5
S 33 26.30
NGZ 0.81 200 Pc 33 09.80 -0.5
CNZ 0.84 202 P 33 10.00 -0.5
MOZ 0.91 264 Pd 33 10.90 0.1
S 33 30.20
PAHZ 0.96 117 Pc 33 10.60 -0.6
TTH 1.31 149 P 33 14.00 0.3
WAHZ 1.32 167 Pc 33 14.00 0.2
BSZ 1.59 210 P 33 16.80 0.7
NOZ 1.64 98 eP 33 16.40 -0.2
KUZ 1.68 353 Pd 33 17.50 0.5
MAHZ 1.69 118 P 33 17.50 0.4
PUZ 1.84 80 P 33 18.20 -0.4
eS 33 41.70
HBZ 2.02 67 P 33 20.70 0.3
PGZ 2.21 174 P 33 22.70 0.3
KIW 2.57 198 P 33 26.50 0.1
MTW 2.76 187 Pc 33 28.50 -0.1
CAW 2.77 194 Pc 33 28.90 0.2
DIW 2.85 213 P 33 29.80 0.1
AMW 2.89 183 P 33 30.20 0.1
BLW 2.97 187 P 33 31.00 0.0
MRW 2.97 199 P 33 31.10 0.1
eS 34 06.00
WEL 3.01 197 P 33 31.60 0.2
eS 34 07.00
MOW 3.05 190 P 33 31.80 -0.2
TCW 3.08 204 P 33 32.30 0.0
ORZ 3.58 227 P 33 38.30 -0.1
THZ 4.08 214 eP 33 45.10 0.4
KHZ 4.40 204 P 33 48.80 0.2
LTZ 5.18 212 eP 33 58.80 0.1
MQZ 5.84 204 eP 34 05.80 -1.4
eS 35 08.20
S.D. = 0.4 on 29 of 29 obs.

• JUN 04, 1992 08h 56m 50.10± 1.67s
39.443 N ± 9.1km 29.631 E ±18.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZI 0.90 352 ePg 57 06.10 -1.3
eSg 57 16.10
YLV 1.14 350 iPn 57 11.80 0.3
KCT 1.27 310 iPn 57 13.30 -0.4
HRT 1.38 1 ePn 57 16.20 0.8
BNT 1.60 305 ePn 57 19.30 0.8
CIN 2.20 214 eP 57 27.00 -0.2
S.D. = 1.1 on 6 of 6 obs.

% JUN 04, 1992 09h 14m 28.90± 0.89s
39.085 N ± 7.6km 27.634 E ± 9.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.75 203 ePg 14 43.40 -0.1
DST 0.93 56 ePn 14 47.00 0.3
EZN 1.25 307 ePn 14 52.50 0.3
EDC 1.27 8 ePn 14 52.00 -0.5
KCT 1.29 25 iPn 14 52.80 0.0
S.D. = 0.5 on 5 of 5 obs.

% JUN 04, 1992 09h 39m 04.49± 0.66s
44.360 N ± 5.8km 7.303 E ± 7.2km

04d 09h

DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.6 (GEN).
STV 0.12 173 P 39 07.60 0.1
S 39 09.46
ENR 0.16 148 P 39 08.15 -0.1
PZZ 0.20 315 P 39 09.03 0.0
ROB 0.41 99 P 39 13.10 0.2
S 39 18.74
BHB 0.48 357 P 39 14.31 0.0
IMI 0.62 137 P 39 17.00 0.0
S 39 24.89
FIN 0.67 103 P 39 17.61 -0.2
S.D. = 0.1 on 7 of 7 obs.

% JUN 04, 1992 10h 01m 28.96± 0.68s
39.160 N ± 6.0km 27.546 E ± 6.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
IZM 0.79 196 iPg 01 44.40 0.0
iSg 01 56.40
DST 0.95 62 iPg 01 46.90 -0.2
iSg 02 00.90
EZN 1.16 306 ePn 01 50.50 0.0
EDC 1.21 12 ePn 01 52.00 0.5
BNT 1.23 13 iPn 01 51.30 -0.5
KCT 1.25 30 iPn 01 52.30 0.0
IZI 1.89 51 ePn 02 02.00 0.3
YLV 1.99 44 ePn 02 03.00 -0.1
S.D. = 0.4 on 8 of 8 obs.

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* JUN 04, 1992 11h 04m 01.06± 1.18s
6.210 S ± 7.1km 150.642 E ±10.9km
DEPTH = 61.2 ± 14.8 km
4.7mb (6 obs.)
NEW BRITAIN REGION, P.N.G. (192)
RAB 2.52 37 iPd 04 40.00 -0.3
LAT 3.65 263 eP 04 58.50 2.2
PMG 4.70 227 eP 05 09.00 -2.0
eS 06 02.00
MNDI 6.94 270 e(P) 05 50.00 7.3X
CTA 14.44 197 eP 07 24.40 0.7
1.1s 50.00nm 4.8mb
e 07 31.50
OIS 17.83 216 eP 08 06.00 -0.6
RMO 20.25 185 iPd 08 34.50 0.5
0.8s 109.00nm 5.2mb
GUA 20.43 344 eP 08 35.60 -0.3
1.0s 200.00nm 5.4mb
GUMO 20.49 344 eP 08 36.50 0.0
PJG 20.49 344 eP 08 36.30 -0.2
WB2 20.90 228 iPc 08 39.50 -1.2
0.5s 16.70nm 4.6mb
eS 16 23.90
DZM 21.95 137 iPc 08 52.00 0.7
ASPA 23.68 221 iPc 09 08.70 0.6
0.9s 5.90nm 4.1mb
e 09 16.70
STK 26.91 197 iPc 09 38.10 -0.2
0.9s 3.70nm 4.0mb
S.D. = 1.2 on 13 of 14 obs.

? JUN 04, 1992 11h 29m 48.94± 2.13s
5.768 S ±20.0km 146.545 E ±26.9km
DEPTH = 94.9 ± 13.8 km
4.2mb (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
YYYY 0.74 231 eP 30 07.40 0.7
MDG 0.92 304 eP 30 06.70 -1.6
LAT 0.99 153 eP 30 09.70 0.6
WWKK 3.61 306 eP 30 45.00 1.2
PMG 3.67 171 iPd 30 44.00 -0.6
eS 31 28.00
OIS 16.17 204 iPc 33 36.00 4.0X
WB2 18.41 219 iPc 33 59.00 -0.6
0.5s 7.40nm 4.2mb
ASPA 21.56 213 iPd 34 32.60 0.3
0.5s 4.90nm 4.1mb
S.D. = 1.4 on 7 of 8 obs.

? JUN 04, 1992 11h 34m 35.91± 3.45s
6.035 S ±24.1km 130.386 E ±35.4km
DEPTH = 154.9 ± 35.9 km
BANDA SEA (280)
MTN 6.81 174 eP 36 15.00 0.5
0.3s 154.00nm 5.9mb
eS 37 27.00
WB2 14.35 165 iPc 37 51.70 -1.5
0.3s 13.00nm 4.7mb
eS 40 18.60
OIS 16.98 149 iPd 38 26.60 0.8
eS 41 25.00
ASPA 17.85 169 iPd 38 35.90 -0.2
0.3s 51.40nm 5.3mb
WARB 20.35 190 eP 39 02.60 0.5
GUN 54.62 310 P 43 51.20 -0.1
GKN 55.61 310 P 43 58.10 0.0
S.D. = 1.1 on 7 of 7 obs

& JUN 04, 1992 12h 09m 19.12s
62.978 N 151.378 W
DEPTH = 134.1km
4.9mb (9 obs.)
CENTRAL ALASKA (1)
<AEIC>.
KTH 0.61 19 iPd 09 39.35 -0.3
eS 09 54.43
TRF 0.69 46 iPc 09 39.93 -0.4
eS 09 56.14
CUT 0.77 138 iPc 09 40.52 -0.2
HUR 0.80 89 iPc 09 40.35 -0.6
eS 09 57.24
SKT 1.00 184 iPc 09 42.52 -0.2
eS 10 00.16
RND 1.22 68 ePd 09 44.21 -0.7
eS 10 03.37
MCK 1.34 54 iPd 09 45.47 -0.6
eS 10 04.91
BWN 1.47 35 iPd 09 47.27 -0.3
PWA 1.50 152 P 09 47.70 -0.2
SUA 1.55 169 iPc 09 48.41 -0.1
NCG 1.62 193 iPd 09 48.84 -0.5
eS 10 12.15
GHO 1.67 136 iPc 09 49.23 -0.6
eS 10 13.26
CGLM 1.70 190 ePd 09 49.63 -0.6
PLRM 1.74 142 iPc 09 49.65 -1.0
eS 10 14.22
PMR 1.74 142 iPc 09 49.35 -1.3
eS 10 13.68
CRP 1.76 192 ePd 09 50.01 -1.0
eS 10 13.04
CPKM 1.77 194 ePd 09 50.91 -0.3
eS 10 15.60
BGL 1.79 196 ePd 09 51.13 -0.1
CKN 1.80 192 ePc 09 51.35 0.0
SPU 1.83 190 iPd 09 50.94 -0.8
eS 10 15.24
SML 1.84 128 iPc 09 50.76 -1.1
eS 10 16.57
CKL 1.84 195 iPd 09 51.64 -0.3
NEA 1.90 31 iPd 09 51.10 -1.4
eS 10 14.74
PMS 1.94 153 P 09 52.20 -0.8
BKG 1.96 193 ePd 09 52.56 -0.8
MLY 2.08 7 iPd 09 53.43 -1.3
eS 10 20.49
KNK 2.08 138 iPc 09 53.71 -1.1
eS 10 21.38
WRH 2.09 43 iPd 09 53.62 -1.3
eS 10 20.73
TTA 2.12 271 P 09 54.70 -0.6
SCM 2.21 120 iPc 09 55.08 -1.3
eS 10 23.73
NKA 2.24 178 ePc 09 58.48 1.8
CCB 2.31 42 iPd 09 56.09 -1.4
PTE 2.40 151 iPc 09 57.44 -1.2
HDA 2.44 52 iPd 09 57.58 -1.6
RDT 2.46 192 ePd 09 58.86 -0.7
eS 10 30.00
DFR 2.47 195 eP 09 59.57 -0.2
FBA 2.50 38 P 09 58.50 -1.4
SLKM 2.54 167 iPc 09 59.62 -0.9
TOA 2.57 108 P 10 00.30 -0.6
REF 2.58 195 ePd 10 00.66 -0.5
THY 2.59 78 eP 10 01.21 0.0
RS2 2.61 195 ePd 10 00.77 -0.8
RSO 2.61 195 ePd 10 00.82 -0.8
RS1 2.61 195 eP 10 01.41 -0.2
RED 2.65 195 eP 10 01.62 -0.4
GLM 2.68 39 iPd 10 00.92 -1.4
PAX 2.70 88 iPd 10 01.63 -1.0
SDG 2.72 97 ePc 10 02.02 -0.9
SVW 2.74 229 P 10 02.50 -0.7
S 10 33.20
DJE 2.76 65 eP 10 01.50 -1.9
TZL 2.92 106 ePc 10 04.67 -0.7
NNL 2.95 179 ePc 10 06.38 0.6
KLU 2.96 118 iPc 10 04.03 -2.0
VZW 2.98 128 eP 10 04.60 -1.7
VLZ 3.01 126 ePc 10 04.38 -2.2
SEW 3.03 161 eP 10 05.40 -1.4
INE 3.04 196 eP 10 06.33 -0.8
IMA 3.26 343 ePd 10 08.08 -1.9
HOM 3.33 182 eP 10 10.75 -0.1
DOT 3.37 75 eP 10 09.46 -1.9
CNPM 3.47 179 ePd 10 11.49 -1.1
PDB 3.48 204 eP 10 11.79 -0.9
HIN 3.48 136 eP 10 10.94 -1.9
PRP 3.61 42 ePd 10 12.49 -2.2
CVA 3.62 130 ePc 10 12.78 -1.8
AUL 3.74 196 eP 10 16.82 0.5
AUE 3.76 196 P 10 18.60 2.1
AUP 3.76 196 eP 10 16.69 0.1
AUH 3.76 196 eP 10 18.16 1.5
AUI 3.79 196 eP 10 17.85 1.0
GLB 3.86 110 ePc 10 16.26 -1.7
CDD 4.21 196 eP 10 22.00 -0.6
MID 4.32 143 P 10 23.50 -0.4
SYI 4.41 187 ePc 10 24.27 -0.9
FYU 4.46 33 ePd 10 24.08 -1.8
TGL 4.62 115 eP 10 26.08 -2.1
BALM 4.68 111 ePc 10 26.82 -2.2
KDC 5.28 187 eP 10 33.71 -3.1
0.8s 50.13nm 4.8mb X
YAH 5.28 115 eP 10 35.47 -1.8
WRG 5.36 119 eP 10 37.11 -0.9
SIT 9.97 119 (P) 11 37.67 -2.3
YKA 16.71 75 eP 13 02.50 -3.7
0.9s 4.90nm 3.8mb
MBC 16.98 26 eP 13 09.00 -0.3
0.5s 2.00nm 3.7mb X
MSU 33.97 117 (P) 15 44.51 -7.0
KAF 55.21 1 iP 18 35.80 -3.6
0.6s 5.00nm 4.6mb
NB2 55.60 10 P 18 38.00 -4.3
0.8s 4.20nm 4.4mb
NUR 56.80 2 iP 18 47.00 -3.7
0.4s 3.60nm 4.7mb
LZH 64.70 300 eP 19 42.00 -2.6
1.5s 23.00nm 4.9mb
MAIO 78.02 335 eP 21 03.00 -0.7
GUN 78.72 311 P 21 05.50 -2.6
0.8s 26.00nm 5.0mb
KKN 79.04 311 P 21 07.40 -2.2
0.6s 20.00nm 5.1mb
GKN 79.06 312 P 21 07.20 -2.5
0.6s 23.00nm 5.1mb
PKI 79.20 311 P 21 07.80 -2.8
DMN 79.26 311 P 21 08.60 -2.3
0.6s 20.00nm 5.1mb
94 obs. associated

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* JUN 04, 1992 12h 10m 00.70± 1.04s
37.949 N ±10.0km 21.355 E ± 9.7km
DEPTH = 10.0km (geophysicist)
SOUTHERN GREECE (368)
ML 3.4 (ATH).
VLS 0.65 291 iPgc 10 13.40 -0.2
eSg 10 25.90
VLI 1.76 134 ePn 10 32.10 0.7
ATH 1.87 89 ePb 10 31.90 -1.1
KEK 2.14 326 ePg 10 44.60 7.7X
KZN 2.38 8 ePn 10 39.50 -0.9
OHR 3.19 352 ePn 10 51.20 -0.6
VAY 3.50 15 ePn 10 57.40 1.2
SKO 4.02 1 ePn 11 04.50 0.9
S.D. = 1.1 on 7 of 8 obs.

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* JUN 04, 1992 12h 46m 14.94± 0.87s
6.331 S ±10.2km 147.952 E ± 9.1km
DEPTH = 63.6 ± 8.8 km
4.6mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.30 198 iPc 46 24.20 -1.3
LAT 1.00 251 iPd 46 32.90 -0.5
YYYY 1.98 272 eP 46 48.00 1.1
PMG 3.16 194 iPd 47 04.50 1.2
eS 47 43.00
MNDI 4.27 272 eP 47 21.00 1.8
RAB 4.71 63 eP 47 25.00 -0.1
WWKK 5.08 302 eP 47 30.00 -0.5
QIS 16.30 209 eP 50 01.50 0.2
WB2 18.91 223 iPc 50 30.90 -2.6
0.3s 11.50nm 4.6mb
eS 56 34.30
RMQ 20.06 178 eP 50 47.00 1.3
OLP 20.45 190 iPc 50 50.40 0.7
0.5s 51.00nm 5.1mb X
ASPA 21 90 217 iPc 51 04.30 -0.1
0.3s 25.00nm 5.1mb X
WARB 28.34 223 eP 52 05.00 0.0
MBL 30.95 239 eP 52 26.70 -1.7
ZOBO 137.81 123 PKP 05 36.30 0.6
S.D. = 1.3 on 15 of 15 obs.

JUN 04, 1992 12h 48m 49.70± 0.92s
6.138 S ± 5.2km 147.850 E ± 7.3km
DEPTH = 80.0 ± 9.2 km
4.5mb (10 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

YYYY 1.88 267 eP 49 22.60 2.0
PMG 3.32 192 iPd 49 38.50 -1.9
eS 50 17.00
MNDI 4.17 270 eP 49 57.00 4.5X
RAB 4.72 66 eP 49 59.00 -0.9
WWKK 4.90 300 eP 49 36.00 -26.5X
eS 49 47.90
QIS 16.42 208 iPc 52 36.00 -0.6
0.6s 20.00nm 4.5mb
iS 55 31.50
MTN 17.78 247 eP 52 54.00 0.5
WB2 18.98 222 iPc 53 05.70 -2.1
0.5s 40.00nm 4.9mb
RMQ 20.26 178 iPd 53 21.40 0.3
0.6s 35.00nm 4.9mb
i 53 39.00
ASPA 22.00 216 iPd 53 38.90 0.3
0.7s 44.80nm 5.0mb
eS 57 39.60
DZM 23.95 133 iPd 53 58.20 0.4
ARMA 24.41 172 eP 54 03.00 0.8
STK 26.27 192 eP 54 20.40 1.0
0.7s 8.10nm 4.4mb
WARB 28.41 223 eP 54 40.10 1.3
0.5s 19.00nm 5.0mb
CAN 29.06 178 eP 54 45.20 0.6
MBL 30.97 238 eP 55 01.40 -0.2
NANU 35.19 239 eP 55 38.70 0.5
IIDJ 42.44 348 P 56 39.20 0.9
CHJJ 42.78 349 P 56 41.90 0.9
TSRJ 42.93 346 eP 56 42.80 0.6
MTMJ 43.53 348 P 56 47.80 0.6
NIIJ 43.94 350 eP 56 51.40 1.1
NJ2 46.96 326 Pc 57 14.40 -0.1
TIA 51.04 328 eP 57 45.20 -0.6
CN2 53.67 340 eP 58 06.20 0.9
1.0s 3.00nm 4.3mb
Z 18s 0.41um 4.5Msz
epP 58 23.00 65kmX
CHTO 54.19 298 eP 58 09.30 -0.3
0.9s 1.28nm 4.0mb
TIY 54.69 326 eP 58 11.50 -1.5
BTO 58.05 327 eP 58 36.80 -0.1
GUN 68.65 303 P 59 46.10 -1.2
PKI 68.93 303 P 59 47.80 -1.2
KKN 69.11 303 P 59 48.80 -1.1
DMN 69.20 302 P 59 49.60 -0.9
GKN 69.72 303 P 59 52.50 -1.0
SPA 83.90 180 iPc 01 13.10 1.2
0.7s 3.13nm 4.4mb
YKA 98.90 28 eP 02 25.50 3.6X
0.8s 0.30nm 3.9mb
CNCB 137.87 123 PKP 08 02.00 -6.4X
LPB 137.91 123 ePKP 08 12.00 3.7X
ZOBO 138.00 123 ePKP 08 03.00 -5.8X
1.1s 11.60nm
SIV 143.90 128 PKP 08 18.40 0.0
KIC 152.75 272 PKP 08 42.00 9.6X
TIC 153.03 273 PKP 08 42.70 9.9X
LIC 153.04 272 PKP 08 42.80 10.0X
PDCR 160.20 160 (PKP) 08 44.00 2.3X
S.D. = 1.1 on 33 of 43 obs.

% JUN 04, 1992 12h 58m 56.80± 0.46s
44.388 N ± 4.2km 7.403 E ± 4.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

STV 0.15 201 P 59 00.55 0.1
S 59 03.02
ENR 0.16 176 P 59 00.55 0.0
S 59 03.02
PZZ 0.25 298 P 59 02.09 0.0
S 59 06.09
ROB 0.35 105 P 59 04.35 0.3
S 59 09.53
BHB 0.46 348 P 59 06.09 -0.2
S 59 12.30
IMI 0.59 144 P 59 08.65 -0.2
S 59 16.15
FIN 0.61 107 P 59 08.86 -0.2
S 59 17.15
RRL 0.69 320 P 59 10.81 0.2
PCP 0.83 79 P 59 12.92 0.0
S.D. = 0.2 on 9 of 9 obs.

? JUN 04, 1992 13h 38m 16.77± 2.38s
15.354 N ±25.4km 95.816 W ±10.5km
DEPTH = 33.0km (normal)
3.4mb (1 obs.)
NEAR COAST OF OAXACA, MEXICO (66)

OXX 1.93 333 iP 38 47.00 -1.0
iS 39 11.00
SCX 3.35 65 eP 39 08.00 -0.1
(S) 39 45.00
IISM 3.91 338 iP 39 19.00 3.0X
ACX 4.17 292 (P) 39 20.00 0.3
IIT 4.36 327 eP 39 22.50 -0.1
(S) 40 10.00
LVVM 4.40 352 eP 39 24.00 1.0
YKA 48.92 349 eP 47 06.50 5.1X
0.8s 0.30nm 3.4mb
S.D. = 1.0 on 5 of 7 obs.

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* JUN 04, 1992 13h 47m 09.80± 1.25s
9.607 N ±12.4km 125.978 E ±20.2km
DEPTH = 94.2 ± 14.0 km
4.6mb (2 obs.)
MINDANAO, PHILIPPINE ISLANDS (259)

BIP 1.40 169 iPd 47 34.50 -0.3
iS 47 55.00
CGP 1.71 228 ePd 47 39.50 0.7
iS 47 54.00
PLP 1.83 328 ePd 47 41.00 0.5
iS 47 54.50
MAP 2.09 290 iPc 47 43.00 -0.9
iS 48 08.00
WB2 30.50 164 iPc 53 16.00 -0.2
0.6s 3.80nm 4.3mb
ASPA 33.96 167 iPd 53 46.60 0.2
0.3s 6.40nm 5.0mb
WARB 35.58 179 eP 54 02.50 2.4X
S.D. = 0.9 on 6 of 7 obs.

JUN 04, 1992 15h 56m 21.44± 0.84s
44.547 N ± 7.2km 10.613 E ± 6.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.7 (LDG).

MME 0.36 170 P 56 29.10 0.2
eSg 56 31.70
BDI 0.48 181 Pd 56 30.80 -0.5
eSg 56 36.40
PII 0.83 185 P 56 36.50 -0.9
eSg 56 45.80
SFI 1.09 125 P 56 42.20 0.3
eSg 56 54.50
CRE 1.33 133 P 56 46.50 0.4
eSg 57 00.40
PGF 2.32 211 Pn 57 00.10 -0.2
Sn 57 27.60
SBF 2.39 254 Pn 57 02.70 1.4
Sn 57 31.70
FRF 3.02 252 Pn 57 10.80 0.6
Sn 57 46.20
LMR 3.20 249 Pn 57 12.40 -0.4
Sn 57 50.10
LRG 3.26 252 Pn 57 13.50 0.0
Sn 57 52.00
HAU 4.55 321 Pn 57 31.00 -0.9
S.D. = 0.8 on 11 of 11 obs.

JUN 04, 1992 16h 04m 27.01± 0.50s
28.018 N ± 6.5km 128.119 E ± 6.7km
DEPTH = 29.0km (4 depth phases)
4.7mb (25 obs.) 5.2Msz (1 obs.)
RYUKYU ISLANDS (238)

KAGJ 3.97 37 P 05 29.20 1.7
S 06 17.20
KUMJ 5.07 27 P 05 47.20 4.1X
SHNJ 6.60 22 P 06 08.70 4.1X
SSE 6.77 299 P 06 03.40 -3.6X
1.0s 20.00nm 5.0mb
Z 12s 19.30um 4.8Msz
N 10s 17.70um
E 10s 11.50um
NJ2 8.98 299 Pc 06 33.00 -4.7X
0.0s 29.00nm 5.5mb
N 11s 22.30um
E 11s 14.10um
S 08 16.00
QZH 9.07 252 eP 06 37.50 -1.5
1.1s 69.00nm 5.8mb X
E 10s 9.85um
TSRJ 10.04 40 eP 06 52.50 0.1
WHN 12.28 285 eP 07 19.00 -3.8X
Z 12s 7.23um
N 12s 17.90um
E 12s 5.28um
S 09 34.00
TIA 12.38 314 eP 07 26.30 2.1
Z 12s 12.80um
N 14s 13.90um
E 14s 12.60um
HKC 13.85 249 eP 07 45.80 2.2
GZH 14.21 253 P 07 50.00 1.7
Z 14s 8.27um
N 11s 5.02um
E 12s 7.20um
SNY 14.27 346 Pc 07 50.00 1.0
Z 15s 10.20um
N 11s 6.20um
E 11s 9.31um
BJI 15.53 324 eP 08 08.00 2.5
1.0s 44.00nm 4.6mb
Z 16s 5.84um 4.6Msz
N 11s 3.90um
CN2 15.90 353 eP 08 12.50 2.3
1.0s 27.00nm 4.4mb
Z 12s 15.50um 3.8MszX
N 11s 10.60um
E 11s 3.30um
esP 08 23.00
TIY 16.32 310 eP 08 17.50 1.7
Z 16s 7.63um
N 10s 11.50um
pP 08 26.00
MDJ 16.61 4 eP 08 23.20 4.0X
1.0s 27.00nm 4.3mb
Z 16s 7.08um 4.9MszX
N 15s 4.17um
E 12s 6.35um
pP 08 28.00
XAN 17.51 295 eP 08 29.60 -1.0
N 11s 16.60um
HHC 18.68 318 eP 08 45.00 -0.1
1.4s 26.00nm 4.2mb
Z 14s 11.60um
N 12s 6.64um
E 12s 6.23um
QIZ 18.98 246 eP 08 51.00 2.2
N 10s 2.43um
E 11s 5.87um
GYA 19.14 270 P 08 52.00 1.2
Z 14s 17.00um
N 11s 11.10um
E 11s 6.45um
BTO 19.47 315 eP 08 54.00 -0.6

04d 16h

N 12s 9.17um
E 11s 4.57um
sP 09 04.00
CGP 19.73 190 eP 08 56.00 -1.4
BIP 19.77 185 eP 09 01.00 3.2X
GUMO 21.20 129 eP 09 12.10 -0.5
Z 23s 2.43um 4.5MszX
PJG 21.20 129 eP 09 12.40 -0.2
CD2 21.40 284 iPd 09 13.10 -1.5
1.0s 120.00nm 5.3mb
Z 10s 9.35um 5.5MszX
E 10s 11.20um
PP 09 37.00
S 13 10.00
sS 13 22.00
LZH 22.05 298 eP 09 21.50 0.2
2.0s 60.00nm 4.7mb
Z 15s 6.20um 5.1MszX
N 13s 14.70um
pP 09 30.00 31km
sP 09 36.00
YSS 22.15 27 (P) 09 23.00 1.1
Z 14s 3.60um 4.9MszX
E 14s 2.40um
e 09 52.00
eSS 14 10.00
KMI 22.87 269 Pc 09 30.50 1.0
2.0s 70.00nm 4.8mb
Z 14s 4.10um 5.0MszX
N 11s 6.10um
E 11s 3.50um
pP 09 39.50 32km
sS 13 48.00
GTA 26.04 303 eP 09 58.00 -1.6
1.2s 33.00nm 4.8mb
Z 14s 9.00um 5.5MszX
N 12s 9.10um
S 14 31.00
sS 14 38.00
CIT 26.31 340 eP 10 01.50 -0.4
Z 18s 5.74um 5.2Msz
eS 14 34.00
CHG 28.24 257 eP 10 21.50 1.8
CHTO 28.24 257 eP 10 20.60 0.9
1.0s 8.13nm 4.4mb
pP 10 29.50 31km
ZAK 29.23 327 eP 10 25.60 -2.7
1.8s 20.00nm 4.6mb
Z 12s 4.12um 5.3MszX
N 12s 1.92um
E 12s 3.46um
eS 15 18.00
IRK 30.04 330 ePc 10 33.50 -2.1
2.0s 23.00nm 4.6mb
Z 16s 6.54um 5.4MszX
N 15s 3.34um
E 13s 2.66um
e 11 44.00
MOY 31.18 327 eP 10 45.20 -0.4
BOD 31.38 346 eP 10 45.70 -1.6
1.2s 9.00nm 4.5mb
LSA 32.34 282 eP 10 56.00 -0.5
N 10s 3.05um
E 12s 1.86um
YAK 34.01 1 eP 11 17.50 7.4X
Z 12s 2.88um 5.2MszX
N 12s 2.72um
e 16 36.00
IPM 34.75 233 ePd 11 20.20 3.2X
WWKK 34.82 152 eP 11 12.90 -4.7X
WMQ 35.94 307 P 11 26.50 -0.5
1.0s 15.00nm 4.9mb
Z 13s 5.53um 5.5MszX
N 12s 5.76um
pP 11 33.00 22km
sP 11 38.00
PP 12 47.20
PcP 13 52.00
S 17 04.00
sS 17 14.50
PcS 17 39.00
GUN 37.17 280 P 11 35.60 -2.2
PKI 37.64 280 P 11 40.00 -1.8
KKN 37.71 280 P 11 39.80 -2.4
1.0s 56.00nm 5.4mb
DMN 37.90 280 P 11 42.20 -1.6
1.0s 51.00nm 5.3mb
GKN 38.24 281 P 11 44.00 -2.5
PRZ 42.50 303 eP 12 23.00 1.4
1.4s 40.00nm 5.0mb
Z 14s 3.30um 5.4MszX
N 14s 4.70um
E 14s 2.50um
KSH 44.29 299 eP 12 39.40 3.3X
Z 12s 3.69um 5.5MszX
N 14s 6.10um
E 14s 2.67um
NDI 44.52 283 eP 12 37.50 -0.4
KHO 47.90 296 iP 13 05.30 0.5
1.8s 40.00nm 5.1mb
Z 13s 1.70um 5.2MszX
N 13s 0.80um
E 13s 1.60um
eS 20 04.00
eSSS 24 27.00
WRA 48.06 172 P 13 06.80 0.9
0.7s 3.70nm 4.5mb
WB2 48.06 172 eP 13 06.50 0.6
0.7s 9.80nm 4.9mb
ILT 50.73 23 eP 13 26.00 0.2
Z 12s 1.80um 5.3MszX
E 12s 1.30um
eS 20 36.00
ASPA 51.69 173 eP 13 35.40 1.8
1.2s 8.60nm 4.6mb
QUE 52.92 288 eP 13 43.70 0.5
SVE 54.80 322 ePd 13 57.20 0.9
2.8s 100.00nm 5.4mb
Z 13s 6.50um 5.9MszX
N 13s 0.60um
E 13s 5.00um
eS 21 35.00
ARU 55.92 321 eP 14 03.00 -1.4
e 14 08.50
MAIO 57.61 297 eP 14 17.00 0.2
ASH 58.14 299 eP 14 21.00 0.6
STK 60.93 167 eP 14 42.60 3.0X
0.9s 3.20nm 4.5mb
KIV 68.04 309 iP 15 28.80 2.8X
Z 14s 0.93um 5.2MszX
YKA 76.95 25 eP 16 15.70 -2.4
1.0s 2.50nm 4.2mb
S.D. = 1.5 on 50 of 63 obs.

? JUN 04, 1992 16h 34m 50.97± 0.90s
44.502 N ± 7.2km 7.146 E ±10.2km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.2 (GEN).

PZZ 0.03 275 P 34 53.08 -0.1
S 34 54.08
STV 0.29 154 P 34 57.13 0.1
S 35 01.00
ENR 0.34 144 P 34 57.91 -0.1
S 35 02.18
BHB 0.35 14 P 34 58.20 0.0
S 35 02.64
S.D. = 0.1 on 4 of 4 obs.

& JUN 04, 1992 17h 09m 28.17s
33.953 N 116.311 W
DEPTH = 5.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.1 (PAS).

PEC 0.71 265 iPc 09 41.21 -1.1
PLM 0.75 218 iPd 09 42.30 -1.1
SSK 1.18 283 ePn 09 49.47 -1.2
GLA 1.53 125 ePn 09 53.95 -2.3
ABL 2.57 291 eP 10 11.43 0.1
BCH 3.35 293 (P) 10 22.15 -0.2
6 obs. associated

• JUN 04, 1992 18h 12m 21.99± 1.25s
27.132 N ±11.9km 127.657 E ±20.6km
DEPTH = 33.0km (normal)
4.0mb (5 obs.)
RYUKYU ISLANDS (238)

SSE 6.90 306 Pn 14 01.50 -1.9
Z 10s 0.50um
N 10s 0.40um
E 10s 0.40um
Pg 14 36.50
WHN 12.15 289 eP 15 24.50 8.8X
BJI 16.02 326 eP 16 10.50 4.2X
1.0s 11.00nm 3.9mb
Z 20s 0.30um
PLP 16.08 190 eP 16 22.00 14.7X
eS 16 40.80
CN2 16.73 354 eP 16 16.00 0.7
1.0s 8.60nm 3.8mb
Z 14s 0.47um 3.9Msz
N 10s 0.13um
E 10s 0.32um
epP 16 20.00
MAP 17.08 192 eP 16 20.00 0.1
HHC 19.07 320 eP 16 45.00 0.6
BTO 19.82 317 eP 16 53.00 0.2
CD2 21.22 286 eP 17 11.10 3.8X
1.0s 40.00nm 4.8mb
LZH 22.11 300 eP 17 23.50 7.1X
1.5s 17.00nm 4.3mb
Z 12s 0.37um 4.0MszX
E 10s 0.25um
sP 17 34.50
GTA 26.19 305 eP 17 57.00 1.5
LSA 32.13 283 eP 18 52.00 2.8X
WRA 47.24 171 P 21 04.80 10.9X
0.8s 1.20nm
YKA 77.93 25 eP 24 16.70 -1.2
0.7s 0.30nm 3.4mb
S.D. = 1.4 on 7 of 14 obs.

? JUN 04, 1992 18h 38m 14.32±10.47s
38.253 N ±19.7km 8.513 W ±91.9km
DEPTH = 10.0km (geophysicist)
PORTUGAL (376)
mbLg 2.9 (MDD).

EVAL 1.55 115 eP 38 41.50 -0.5
eS 39 04.00
EHOR 2.61 98 eP 38 57.00 -0.3
eS 39 29.50
EPLA 2.62 46 eP 38 57.00 -0.4
eS 39 30.50
ALJ 2.80 123 eP 39 07.00 6.9X
EPRU 2.91 115 eP 39 02.00 0.5
eS 39 36.50
ELUQ 3.43 100 eP 39 09.00 0.1
eS 39 49.90
GUD 4.13 53 eP 39 19.50 0.5
eS 40 08.00
S.D. = 0.6 on 6 of 7 obs.

& JUN 04, 1992 19h 16m 56.79s
59.507 N 152.882 W
DEPTH = 99.8km
SOUTHERN ALASKA (2)
<AEIC>.

AUE 0.29 240 eP 17 10.92 -0.6
AUL 0.31 246 eP 17 11.02 -0.6
AUP 0.31 242 eP 17 11.12 -0.6
AUH 0.32 244 eP 17 11.28 -0.5
AUI 0.33 238 eP 17 10.91 -0.8
eS 17 21.89
IVS 0.51 349 eP 17 12.00 -1.2
INE 0.56 351 eP 17 12.63 -0.8
HOM 0.65 76 eP 17 13.53 -0.4
eS 17 26.17
CDD 0.70 214 iP 17 13.62 -0.8
eS 17 26.88
PDB 0.72 294 eP 17 13.92 -0.7
eS 17 27.15
MCNL 0.81 247 iP 17 14.79 -0.7
eS 17 28.16
CNPM 0.84 88 iP 17 14.99 -0.8
eS 17 28.39
RED 0.92 3 eP 17 15.88 -0.8
eS 17 30.51
SYI 0.93 164 iP 17 16.01 -0.7
eS 17 30.26
RS1 0.96 4 eP 17 16.53 -0.7
eS 17 31.93
RS2 0.96 4 eP 17 16.54 -0.8
eS 17 31.68
RSO 0.96 4 eP 17 16.55 -0.7
eS 17 32.09
NNL 0.97 56 eP 17 17.06 0.0

REF 0.99 5 eP 17 16.77 -0.8
DFR 1.09 5 eP 17 17.91 -0.7
eS 17 34.30
RDT 1.10 12 iP 17 17.85 -0.8
NKA 1.49 33 eP 17 24.43 1.2
BKG 1.60 11 eP 17 24.20 -0.5
SLKM 1.67 52 eP 17 24.45 -1.2
CKL 1.72 9 eP 17 25.36 -0.9
CKN 1.76 11 eP 17 26.52 -0.2
BGL 1.78 8 eP 17 26.81 -0.3
CPKM 1.79 10 eP 17 27.21 -0.1
CRP 1.80 11 iPc 17 26.50 -0.9
SEW 1.84 69 eP 17 26.66 -1.0
CGLM 1.86 13 eP 17 27.70 -0.4
NCG 1.94 10 eP 17 28.65 -0.5
SVW 2.11 321 iPd 17 30.20 -1.1
SUA 2.23 27 eP 17 32.53 -0.5
PTE 2.36 53 eP 17 33.40 -1.2
PMS 2.40 42 P 17 34.50 -0.7
SKT 2.57 14 eP 17 36.74 -0.7
PWA 2.61 33 P 17 37.20 -0.8
PLRM 2.79 40 eP 17 39.21 -1.3
KNK 2.91 47 eP 17 40.30 -1.8
GHO 2.99 39 eP 17 42.35 -1.0
CUT 3.17 23 eP 17 44.78 -0.9
SML 3.22 42 eP 17 44.85 -1.4
HIN 3.33 72 eP 17 45.57 -2.3
TTA 3.75 338 iPd 17 52.02 -1.7
KLU 3.98 57 iPd 17 54.54 -2.2
46 obs. associated

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* JUN 04, 1992 19h 44m 43.14± 0.72s
24.633 N ±20.8km 93.903 E ±16.1km
DEPTH = 50.0km (geophysicist)
3.9mb (2 obs.)
MYANMAR-INDIA BORDER REGION (294)

CHG 7.45 140 ePd 46 32.00 0.1
0.9s 11.13nm 4.6mb X
CHTO 7.45 140 eP 46 31.80 -0.1
e 46 39.80
e 48 06.00
GUN 7.91 296 P 46 38.80 0.2
PKI 8.18 293 P 46 42.40 0.1
KKN 8.36 294 P 46 44.70 0.0
DMN 8.44 292 P 46 46.00 0.1
GKN 8.96 294 P 46 52.40 -0.6
NB2 65.26 328 P 55 21.30 -0.3
0.6s 0.80nm 3.9mb
GEC2 65.58 314 Pd 55 24.40 0.5
0.5s 0.67nm 3.9mb
S.D. = 0.4 on 9 of 9 obs.

& JUN 04, 1992 20h 57m 39.36s
60.604 N 151.542 W
DEPTH = 68.9km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.6 (AEIC).

NKA 0.20 47 iPc 57 51.40 1.4
RDT 0.43 266 iPd 57 50.85 -0.8
eS 58 00.27
DFR 0.56 269 ePd 57 52.24 -0.8
eS 58 02.55
NNL 0.58 168 iPc 57 53.73 0.7
REF 0.58 259 iPd 57 52.67 -0.7
eS 58 03.19
BKG 0.59 323 iPd 57 52.48 -0.8
eS 58 03.07
RSO 0.62 257 iPd 57 53.04 -0.6
eS 58 03.94
RS2 0.62 257 iPd 57 53.07 -0.6
RS1 0.62 257 iPd 57 53.08 -0.6
SPU 0.63 337 iPc 57 52.98 -0.7
eS 58 03.64
RED 0.64 254 iPd 57 53.02 -0.8
eS 58 03.88
SLKM 0.66 98 iPc 57 53.64 -0.3
eS 58 04.87
CKN 0.70 334 eP 57 54.20 -0.2
CKL 0.71 327 ePd 57 54.06 -0.6
CRP 0.73 336 eP 57 54.14 -0.8
eS 58 06.11
CGLM 0.74 342 ePc 57 54.45 -0.5
CPKM 0.74 333 eP 57 55.42 0.3
eS 58 06.82
BGL 0.78 328 eP 57 55.02 -0.4
NCG 0.86 340 ePd 57 55.86 -0.5
eS 58 08.16
INE 0.93 235 iPd 57 56.58 -0.8
eS 58 10.31
SUA 0.95 24 iPd 57 57.33 -0.2
eS 58 11.35
HOM 0.95 183 eP 57 57.54 0.1
INW 0.96 236 iPd 57 56.89 -0.7
eS 58 10.62
IVS 0.97 233 eP 57 56.70 -1.3
CNPM 1.09 172 eP 57 59.13 -0.2
eS 58 14.02
SEW 1.16 115 eP 58 00.07 0.0
PMS 1.16 56 P 58 00.10 -0.1
PTE 1.26 77 P 57 58.00 -3.5
PWA 1.32 37 P 58 02.20 -0.1
SKT 1.38 0 iPd 58 02.65 -0.5
PLRM 1.53 49 eP 58 03.50 -1.6
PMR 1.53 49 ePn 58 03.45 -1.7
AUE 1.55 217 eP 58 05.31 -0.1
AUL 1.55 219 eP 58 06.97 1.6
PDB 1.56 239 eP 58 04.49 -1.0
eS 58 23.30
AUP 1.56 218 eP 58 05.97 0.3
AUH 1.57 218 eP 58 05.72 0.0
AUI 1.59 217 eP 58 04.69 -1.2
KNK 1.71 60 ePd 58 06.81 -0.8
GHO 1.73 46 eP 58 07.00 -0.9
CUT 1.91 18 eP 58 09.88 -0.4
SML 1.97 51 iPd 58 10.12 -1.0
CDD 1.99 213 eP 58 10.86 -0.6
SCM 2.38 57 eP 58 16.16 -0.8
VLZ 2.60 76 eP 58 18.13 -1.8
KLU 2.88 69 ePd 58 22.02 -1.8
TRF 2.92 11 eP 58 25.00 0.5
KTH 2.97 5 eP 58 25.26 0.0
TOA 2.99 57 P 58 24.70 -0.8
RND 3.09 23 eP 58 23.47 -3.3
TTA 3.16 320 P 58 25.10 -2.7
51 obs. associated

& JUN 04, 1992 21h 04m 03.36s
61.544 N 151.651 W
DEPTH = 83.8km
SOUTHERN ALASKA (2)
<AEIC>. Felt (IV) at Skwentna.

NCG 0.28 240 P 04 15.60 -0.7
CGLM 0.29 216 iPd 04 15.58 -0.7
eS 04 25.47
CRP 0.37 221 iPd 04 15.65 -1.2
CPKM 0.40 225 iPd 04 16.50 -0.6
eS 04 27.03
CKN 0.41 219 iPd 04 16.50 -0.5
SPU 0.41 208 P 04 16.20 -0.8
S 04 26.60
SKT 0.44 7 iP 04 16.47 -0.8
eS 04 26.95
SUA 0.44 100 P 04 17.20 -0.2
S 04 27.40
BGL 0.45 232 iPd 04 16.75 -0.7
CKL 0.48 224 iPd 04 16.83 -0.8
BKG 0.56 212 iPd 04 17.65 -0.6
eS 04 29.41
NKA 0.83 166 iPd 04 22.18 1.3
PWA 0.85 82 P 04 20.80 -0.4
RDT 1.04 201 ePd 04 22.81 -0.7
eS 04 38.41
PMS 1.05 106 P 04 22.80 -0.8
DFR 1.08 208 eP 04 23.94 0.0
CUT 1.08 36 iPc 04 23.61 -0.3
REF 1.18 206 ePd 04 24.60 -0.7
PLRM 1.21 87 iPc 04 24.07 -1.3
PMR 1.21 87 iPc 04 23.69 -1.7
iS 04 40.48
RS2 1.21 207 ePd 04 25.16 -0.6
RSO 1.21 207 ePd 04 25.13 -0.6
RS1 1.21 207 ePd 04 25.23 -0.5
SLKM 1.25 146 ePc 04 25.12 -0.9
eS 04 42.34
RED 1.25 206 ePd 04 25.57 -0.6
eS 04 42.80
GHO 1.32 79 ePc 04 25.61 -1.4
PTE 1.44 117 P 04 25.20 -3.2
NNL 1.52 173 ePd 04 29.54 0.1
KNK 1.54 94 iPc 04 28.18 -1.6
eS 04 48.53
SML 1.60 79 ePc 04 28.88 -1.8
INE 1.64 206 eP 04 30.27 -1.0
INW 1.65 207 eP 04 30.69 -0.6
HUR 1.72 32 eP 04 31.09 -1.1
SVW 1.96 259 iPc 04 33.67 -1.8
iS 04 57.35
TRF 2.02 18 ePc 04 35.06 -1.2
CNPM 2.04 174 ePd 04 34.77 -1.6
KTH 2.04 9 ePd 04 35.58 -1.0
eS 04 59.73
SCM 2.08 80 ePc 04 34.96 -2.1
PDB 2.16 216 eP 04 37.31 -0.8
RND 2.28 34 eP 04 38.54 -1.2
AUL 2.34 203 eP 04 41.05 0.5
AUE 2.35 202 eP 04 40.13 -0.6
AUP 2.36 203 eP 04 40.66 -0.2
AUH 2.36 203 eP 04 40.67 -0.2
TTA 2.47 306 ePn 04 40.35 -2.1
VZW 2.51 99 eP 04 40.24 -2.6
MCK 2.53 29 eP 04 43.14 0.0
VLZ 2.60 97 ePc 04 41.06 -3.0
TOA 2.66 75 P 04 43.50 -1.5
KLU 2.75 89 iPc 04 43.26 -2.9
CDD 2.80 202 iPc 04 45.91 -1.0
BWN 2.82 20 eP 04 46.62 -0.5
TZL 3.00 78 eP 04 48.33 -1.3
CVA 3.04 107 eP 04 47.57 -2.6
SDG 3.04 68 eP 04 49.00 -1.2
PAX 3.23 61 eP 04 51.06 -1.8
NEA 3.26 20 eP 04 51.35 -1.9
WRH 3.36 27 eP 04 52.68 -1.9
MLY 3.52 6 eP 04 55.12 -1.8
CCB 3.57 28 eP 04 55.36 -2.1
HDA 3.58 35 eP 04 55.97 -1.7
GLB 3.76 88 eP 04 57.24 -3.0
FBA 3.79 26 P 04 59.20 -1.4
KDC 3.83 187 ePn 04 56.64 -4.5
GLM 3.96 27 eP 05 01.66 -1.3
TGL 4.35 97 eP 05 05.06 -3.4
BALM 4.52 92 ePc 05 07.59 -3.3
IMA 4.63 350 eP 05 09.43 -3.0
PRP 4.84 32 P 05 14.30 -1.0
69 obs. associated

? JUN 04, 1992 21h 34m 40.41± 1.18s
25.451 S ±14.6km 176.375 W ±20.7km
DEPTH = 33.0km (normal)
SOUTH OF FIJI ISLANDS (171)

RAO 4.03 200 P 35 41.40 0.1
S 36 25.50
DZM 16.08 279 iPc 38 33.20 7.4X
CTA 34.79 271 eP 41 31.40 1.2
0.5s 26.76nm 5.4mb
ASPA 45.05 261 eP 42 54.50 -0.7
0.5s 17.50nm 5.2mb
WB2 45.59 266 iPd 42 58.80 -0.6
0.4s 9.70nm 5.1mb
WRA 45.60 266 P 42 59.50 0.0
0.6s 3.90nm 4.5mb
NB2 144.05 354 PKP 54 14.20 0.5
0.9s 3.90nm
UPP 144.26 348 iPKP 54 13.60 -0.4
i 54 21.30
S.D. = 0.8 on 7 of 8 obs.

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* JUN 04, 1992 21h 44m 39.23± 1.03s
35.134 S ± 9.4km 71.089 W ± 9.0km
DEPTH = 92.4 ± 7.0 km
4.8mb (7 obs.)
CENTRAL CHILE (136)
MD 4.6 (SAN). Felt strongly in
Maule Province.

CACH 1.09 22 iPd 45 00.80 0.2
CHCH 1.25 17 iP 45 02.30 -0.1
TACH 1.48 5 iPc 45 05.00 -0.3
PCH 1.58 18 iPc 45 06.90 0.2
LCCH 1.70 346 iPc 45 07.00 -1.1
SAN 1.71 12 iP 45 08.40 0.1
iS 45 26.30
FCH 1.92 20 iPd 45 12.20 0.9
PEL 2.01 10 iPc 45 12.80 0.5
iS 45 33.30
ROCH 2.16 2 iPc 45 14.10 -0.3
JACH 2.48 10 iPd 45 18.50 -0.1
RTBS 3.72 22 iPd 45 37.00 1.4

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04d 21h

ZON      4.11  30 ePc    45 42.00   1.0
RTCB     4.11  28 ePd    45 41.70   0.6
CFA      4.25  35 ePc    45 43.00   0.1
RTLL     4.38  31 ePc    45 44.50  -0.3
                  S      46 37.00
RTPR     6.17  40 ePc    46 07.10  -2.4
ANT     11.40   3 eP     47 20.00  -0.5
CNCB    18.46   9 (P)    49 00.00   8.9X
ARE     18.60 359 eP     48 52.00  -0.4
LPB     18.72   9 P      48 57.30   3.5X
ZOBO    18.95   9 P      48 56.30  -0.3
SIV     21.07  28 Pd     49 16.70  -1.1
PDCR    36.63  60 eP     51 37.20  -1.2
SPA     55.05 180 iPd    54 03.00  -0.4
        0.9s    8.64nm          4.8mb
LIC     74.40  71 P      56 08.80  -0.2
TIC     74.67  70 P      56 10.90   0.3
KIC     74.71  71 Pd     56 10.70  -0.1
        0.5s   12.00nm          5.0mb
FVM     74.93 344 eP     56 10.59  -1.0
        0.9s   28.63nm          5.1mb
CCM     75.18 344 eP     56 11.60  -1.4
        0.7s   22.26nm          5.1mb
ALQ     77.15 331 eP     56 24.60   0.2
        1.0s    7.65nm          4.5mb
                  epP    56 47.93  88kmX
LMN     80.81   4 ePc    56 45.60   2.0
EEO     81.72 354 eP     56 50.00   1.7
SRU     82.38 330 eP     56 52.20   0.0
RSSD    84.38 337 eP     57 02.50   0.2
        1.0s    6.78nm          4.6mb
HVU     85.55 330 iP     57 08.39   0.2
BUL     86.20 112 iPd    57 12.30   0.4
ORV     87.68 323 eP     57 19.46   1.1
ULM     87.79 344 ePc    57 20.00   1.4
KRI     88.91 110 iPc    57 26.50   1.5
YKA    103.38 341 ePdiff58 28.40  -1.2
        0.7s    0.60nm          4.6mb
WB2    120.14 208 iPKPc  03 20.20  -1.0
        0.4s    6.00nm
WRA    120.14 208 PKP    03 20.50  -0.7
        0.5s    2.10nm
QUE    144.52  86 ePKP   04 06.50  -0.2
HYB    147.74 115 ePKP   04 15.00   2.9X
                  e      04 37.00
     S.D. = 0.9  on  41 of  44 obs.
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& JUN 04, 1992  23h 10m 46.59s
   40.305 N          124.435 W
   DEPTH =   7.0km
 NEAR COAST OF NORTHERN CALIF.   ( 35)
      <GM-P>. MD 3.4 (GM).

FHC      0.60  35 iPc    10 59.30   0.6
                  eS     11 08.43
LTCM     1.77  92 eP     11 15.59  -2.2
LBFM     2.19  61 eP     11 23.20  -1.0
ORV      2.38 107 eP     11 24.64  -2.0
ARN      3.72 142 eP     11 43.13  -2.6
         5 obs. associated
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   JUN 04, 1992  23h 11m 44.85± 0.68s
    4.805 S ± 3.1km  153.255 E ± 3.9km
   DEPTH =  73.6 ±  5.8 km
   5.2mb ( 26 obs.)
 NEW IRELAND REGION, P.N.G.      (190)
      CENTROID, MOMENT TENSOR    (HRV)
      Data Used: GDSN
      L.P.B.: 30S, 43C
      Centroid Location:
      Origin Time        23:11:46.1 0.4
      Lat  4.87S 0.05 Lon 153.35E 0.04
      Dep  36.9 4.2 Half-duration  1.5
      Moment Tensor;    Scale 10**16 Nm
        Mrr= 5.04 0.26  Mtt= 3.14 0.41
        Mff=-8.18 0.38  Mrt=-4.23 0.59
        Mrf=-2.39 0.71  Mtf= 1.21 0.30
       Principal Axes:
        T  Val=  8.83   Plg=51  Azm=166
        N       -0.21      38         5
        P       -8.61       9       267
      Best Double Couple:Mo=8.7*10**16
       NP1:Strike=322 Dip=49 Slip=  35
       NP2:       207     64       133

RAB      1.24 299 iPd    12 06.50  -0.4
LAT      6.49 253 eP     13 20.70   0.9
```

```
PMG      7.59 233 eP     13 35.00   0.0
                  eS     14 59.00
HNR      8.08 125 eP     13 42.50   0.8
                  eS     15 14.50
WWKK     9.68 277 eP     14 03.00  -0.7
CTA     16.65 204 iPd    15 36.30   1.3
        0.9s  250.84nm          5.4mb
                  eS     18 47.30
BKM     19.46 132 iPd    16 08.80   0.3
GUA     20.02 336 e(P)   16 14.30  -0.1
        0.9s  289.08nm          5.6mb
                  e      16 26.10
GUMO    20.08 336 e(P)   16 15.40   0.4
        1.1s  665.10nm          5.9mb
   Z   28s      1.91um        4.3MszX
                  e      16 27.10
QIS     20.53 219 iPd    16 19.40  -0.2
        0.9s   86.00nm          5.1mb
                  i      16 22.70
RMQ     21.99 191 iPd    16 34.90   0.7
        0.2s   23.00nm          5.3mb
MTN     23.26 248 eP     16 47.40   0.7
        0.4s   54.00nm          5.3mb
OLP     23.31 201 iPc    16 47.70   0.6
        0.8s  200.00nm          5.6mb
WB2     23.77 229 iPc    16 52.60   0.9
        0.7s   95.60nm          5.3mb
                  eS     21 09.20
ARMA    25.53 183 iPd    17 09.90   1.5
        1.0s  186.00nm          5.5mb
ASPA    26.46 223 iPc    17 16.50  -0.4
        1.1s   34.10nm          4.8mb
   Z   22s      1.20um         4.4Msz
                  e      20 13.40
                  ePcP   20 59.30
                  eS     21 47.50
                  eScS   28 29.40
CMS     27.44 194 iPd    17 25.50  -0.3
        1.0s   55.00nm          5.1mb
STK     29.07 201 iPc    17 39.50  -1.0
        0.9s   10.60nm          4.5mb
BWA     29.81 188 eP     17 46.30  -0.8
CNB     30.57 186 iPc    17 54.00   0.2
        1.1s   58.00nm          5.2mb
CAN     30.62 187 eP     17 53.90  -0.3
WARB    33.17 227 eP     18 16.00  -0.6
        0.3s   11.00nm          5.2mb
                  e      18 22.00
TOO     33.38 191 iPd    18 19.00   0.7
BFD     33.68 196 iPd    18 19.50  -1.3
        1.2s  150.00nm          5.8mb
FORT    35.07 220 eP     18 32.00  -0.9
MBL     36.27 240 iPd    18 42.50  -0.6
URZ     39.76 150 eP     19 13.20   1.2
COOL    39.81 226 eP     19 12.00  -0.6
QRZ     39.82 157 P      19 13.40   0.8
PUZ     40.19 149 eP     19 15.30  -0.3
DSZ     40.34 158 P      19 17.30   0.4
DIW     40.36 156 P      19 17.30   0.3
NOZ     40.49 150 eP     19 17.80  -0.2
NANU    40.51 241 eP     19 18.00  -0.4
THZ     40.77 157 P      19 20.30  -0.1
KIW     40.83 155 eP     19 21.20   0.4
TCW     40.85 156 P      19 21.20   0.2
MRW     41.05 155 eP     19 21.90  -0.6
CAW     41.10 155 P      19 22.70  -0.3
PGZ     41.22 153 P      19 23.10  -0.9
MTW     41.32 154 eP     19 24.00  -0.9
LTZ     41.42 159 eP     19 25.80   0.2
MOW     41.43 155 eP     19 24.80  -1.0
BLW     41.48 155 eP     19 25.70  -0.5
AMW     41.56 154 eP     19 26.30  -0.4
EWZ     41.57 161 P      19 27.40   0.6
KHZ     41.58 157 eP     19 25.90  -1.0
MSZ     41.74 164 P      19 29.90   1.7
BWZ     42.18 162 P      19 31.40  -0.4
MQZ     42.36 159 P      19 31.60  -1.7
KLB     42.63 227 eP     19 34.70  -1.0
MRWA    42.80 231 eP     19 36.00  -1.1
ODZ     42.87 162 P      19 37.40  -0.1
BAL     42.91 229 eP     19 37.40  -0.6
MUN     43.96 228 eP     19 46.00  -0.5
SSE     47.03 322 Pd     20 12.00   1.2
        1.0s    5.00nm          4.4mb
   Z   20s      0.50um         4.5Msz
                  sP     20 22.30
                  S      26 54.00
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BJI     56.15 326 eP     21 18.00  -1.2
   Z   24s      0.64um        4.6MszX
                  eS     28 57.00
KMI     57.36 304 eP     21 29.00   0.6
        2.0s   50.00nm          5.3mb
   Z   24s      1.20um        4.9MszX
                  pP     21 40.00  37kmX
                  sP     21 44.00
CHG     58.40 295 eP     21 36.00   0.5
CHTO    58.40 295 eP     21 35.90   0.5
        1.2s   10.42nm          4.8mb
                  e      21 45.60
LZH     61.55 316 Pc     21 57.50   0.5
        2.0s   74.00nm          5.5mb
   E   15s      0.46um
                  pP     22 08.50  37kmX
                  sP     22 13.50
                  PP     24 15.00
                  eS     30 15.00
GUN     72.51 301 P      23 06.10  -0.4
PKI     72.83 301 P      23 07.60  -0.7
KKN     72.99 301 P      23 08.80  -0.3
DMN     73.09 301 P      23 09.60  -0.2
GKN     73.60 301 P      23 12.20  -0.4
SVW     76.64  23 eP     23 29.04  -0.1
        0.8s    9.76nm          4.8mb
                  (pP)   23 50.67  81kmX
HYB     76.92 289 iPd    23 31.60   0.1
TTA     77.61  21 eP     23 34.06  -0.4
        1.1s   11.41nm          4.7mb
                  epP    23 55.41  80kmX
SLKM    78.48  25 eP     23 37.43  -1.8
IMA     80.31  19 eP     23 48.26  -0.9
        1.0s    6.10nm          4.5mb
KLU     80.79  25 eP     23 51.36  -0.3
                  (pP)   24 13.13  81kmX
POO     81.51 289 iP     23 58.40   2.2
SPA     85.23 180 iPc    24 15.90   1.5
        1.2s  178.87nm          6.0mb
                  i      24 34.10
MAW     85.74 203 iPc    24 17.40   0.7
        1.0s   25.00nm          5.2mb
QUE     89.20 300 eP     24 35.00   0.6
        1.0s   17.50nm          5.2mb
YKA     95.22  28 eP     25 00.00  -1.2
        1.0s    1.20nm          4.3mb
OBN    108.97 327 ePdiff26 02.00  -0.9
                  e      26 12.00
                  e      28 18.00
QJC    120.27 327 ePKP   30 29.50   0.4
SPC    120.58 326 e(PKP)30 31.00    1.0
BZS    121.60 322 ePKP   30 30.00  -1.7
KSP    121.74 329 ePKP   30 31.80  -0.1
SRO    122.41 326 ePKP   30 33.20   0.0
ZST    122.87 327 ePKP   30 34.60   0.5
BRG    122.90 331 ePKP   30 34.40   0.4
        1.0s   14.00nm
                  e      30 45.60
VAY    122.96 317 iPKP   30 33.50  -1.0
CLL    123.07 331 iPKP   30 34.90   0.5
        1.1s   15.00nm
PRU    123.15 329 PKP    30 34.50  -0.1
KHC    124.18 329 PKP    30 36.50  -0.2
        1.1s   10.50nm
                  e      30 56.00
GEC2   124.29 329 PKP    30 35.90  -1.1
        0.8s    6.12nm
PTJ    124.82 325 ePKP   30 38.50   0.4
ZAG    124.85 325 ePKP   30 39.00   1.0
GRF    124.99 331 ePKP   30 38.90   0.7
VBY    125.45 325 iPKP   30 40.10   0.9
LJU    125.54 326 ePKP   30 39.00  -0.4
CEY    125.78 325 ePKP   30 39.00  -0.9
VOY    125.91 326 ePKP   30 40.00  -0.3
FUR    125.97 329 iPKPd  30 40.40   0.2
CDF    127.76 332 ePKP   30 43.40  -0.3
        1.2s   10.10nm
BSF    128.40 332 ePKP   30 44.80  -0.2
        1.1s   22.20nm
HAU    128.48 332 ePKP   30 44.90  -0.1
        1.2s   23.20nm
LPL    130.06 330 ePKP   30 48.60   0.2
        1.0s    7.20nm
LPG    130.06 330 ePKP   30 48.60   0.2
        0.8s    4.45nm
LOR    130.17 333 ePKP   30 48.40   0.2
        1.0s    8.20nm
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LBF    130.33 333 ePKP  30 48.80    0.2
SSF    130.48 333 ePKP  30 49.20    0.4
   1.2s     16.35nm
SMF    130.64 332 ePKP  30 49.10    0.0
   1.1s     17.10nm
PGF    130.82 325 ePKP  30 51.00    1.3
   1.1s     21.75nm
FRF    131.45 328 ePKP  30 52.00    1.3
   1.0s     16.80nm
MAF    131.54 333 ePKP  30 51.40    0.5
   1.4s     17.85nm
TCF    131.65 333 ePKP  30 51.50    0.4
   1.0s     11.20nm
LRG    131.68 328 ePKP  30 52.90    1.8X
   1.1s     45.90nm
LMR    131.68 328 ePKP  30 52.60    1.4
   1.2s     22.30nm
ZOBO   134.02 118 PKP   31 01.00    3.8X
                  i     34 24.00
BCAO   134.87 271 iPKPc 30 51.20   -6.9X
   0.6s     17.00nm
                  id    30 59.00
                  ic    31 22.00
SIV    140.24 122 PKP   31 09.00    1.0
PPD    144.09 139 ePKP  31 11.10   -3.5X
IFR    145.06 327 iPKPc 31 16.00   -0.1
AVE    146.41 330 iPKP  31 20.00    1.8X
                  i     31 34.00
TIO    148.20 327 iPKP  31 25.50    4.2X
     S.D. = 0.8  on 114 of 120 obs.
--------------------------------------
*  JUN 05, 1992  00h 17m 24.52± 1.66s
   31.753 S ±16.1km   70.020 W ±14.6km
   DEPTH = 141.8 ± 15.8 km
 CHILE-ARGENTINA BORDER REGION    (127)
      MD 4.2 (SAN).

RTBS     0.49  79 iPd   17 45.00   -0.1
JACH     1.05 208 iPd   17 49.40    0.1
                  iS    18 06.40
RTCB     1.07  76 iPd   17 49.20   -0.4
ZON      1.16  80 iPd   17 51.00    0.6
RTLL     1.39  73 iPd   17 52.40   -0.3
                  S     18 11.10
ROCH     1.48 214 iPc   17 53.90    0.1
                  iS    18 13.80
PEL      1.50 202 iPd   17 53.80    0.0
                  iS    18 13.70
CFA      1.53  85 iPd   17 53.80   -0.3
                  S     18 13.00
FCH      1.59 188 iPc   17 55.50    0.4
                  iS    18 16.30
PCH      1.91 192 iP    17 58.60    0.0
                  iS    18 22.90
TACH     2.05 202 iPd   17 59.80   -0.3
                  iS    18 25.10
LCCH     2.16 217 iPd   18 01.90    0.4
                  iS    18 27.80
CHCH     2.24 194 iPd   18 02.40   -0.1
                  iS    18 29.30
CACH     2.41 192 eP    18 05.00    0.3
                  iS    18 33.70
LNV      2.49 208 iPd   18 04.80   -0.8
                  iS    18 33.80
RTPR     3.34  65 ePd   18 16.80    0.3
     S.D. = 0.4  on  16 of  16 obs.
--------------------------------------
   JUN 05, 1992  00h 23m 43.79± 0.26s
   33.241 N ± 6.8km   71.228 E ± 4.4km
   DEPTH =  33.0km  (normal)
   4.9mb ( 36 obs.)  4.5Msz (  5 obs.)
 PAKISTAN                         (710)
      Felt at Islamabad and
      Rawalpindi.

OUE      4.75 231 iPd   24 57.40    2.3
    1.2s    175.78nm
                  eS    25 52.20
NDI      6.86 130 iPnd  25 23.00   -1.7
KSH      7.29  30 Pn    25 33.40    2.6
    Z  14s     28.90um
MAIO    10.12 291 eP    26 10.00    0.0
                  eS    28 23.00
GKN     12.67 111 P     26 38.80   -5.8X
DMN     13.22 111 P     26 45.50   -6.5X
KKN     13.27 110 P     26 46.40   -6.2X
PKI     13.48 111 P     26 49.00   -6.4X

GUN      13.69 109 P     26 51.60   -6.7X
BOM      14.36 174 iPc   27 02.90   -3.7X
                   eS    30 31.40
POO      14.83 170 iPd   27 13.40    0.4
                   iS    30 10.50
SHI      16.36 262 eP    27 37.00    4.3X
WMQ      16.63  46 P     27 33.00   -3.0X
         1.0s     80.00nm        4.8mb
      Z  17s      4.79um         4.6Msz
                   sP    27 43.50
                   PP    27 45.00
HYB      17.08 156 ePc   27 37.00   -4.7X
                   e     27 54.50
                   eS    30 43.00
LSA      17.36  96 eP    27 43.00   -2.6
      N  10s      3.81um
      E  11s      2.68um
                   sS    31 00.00
RYD      23.11 255 ePc   28 31.30  -16.5X
GTA      23.78  67 eP    28 55.80    1.4
         1.0s     13.00nm        4.4mb
      Z  18s      2.00um         4.6Msz
      N  11s      1.10um
                   pP    29 00.80   18kmX
                   S     33 11.00
LZH      26.91  75 eP    29 26.50    2.6
         1.4s     80.00nm        5.2mb
      Z  12s      0.70um         4.4MszX
      N  12s      1.24um
                   pP    29 37.00   39kmX
                   sP    29 42.00
                   eS    33 59.00
                   sS    34 15.00
                   SS    35 13.00
CD2      27.60  86 eP    29 29.60   -0.5
      Z  17s      1.35um         4.6MszX
      N  12s      1.71um
                   eS    34 07.00
                   ScS   40 16.00
KMI      28.60  98 Pd    29 38.50   -0.8
         1.2s     40.00nm        5.0mb
      Z  11s      1.70um         4.9MszX
      N  12s      1.50um
      E  12s      1.10um
                   S     34 26.00
CHG      28.64 113 ePd   29 39.50    0.0
         1.0s     36.25nm        5.0mb
CHTO     28.64 113 eP    29 39.00   -0.5
         1.2s     51.39nm        5.1mb
                   eS    34 26.00
BISH     28.68 250 ePc   29 41.70    1.7
BDT      29.62 116 eP    29 48.50    0.2
KHT      30.87 120 eP    29 58.80   -0.6
XAN      31.28  78 P     30 01.80   -1.1
      N  13s      1.43um
GYA      31.36  93 P     30 02.80   -1.0
         1.0s     17.00nm        4.8mb
      Z  16s      2.94um         5.0MszX
      N  15s      4.17um
      E  15s      1.69um
                   S     35 06.00
                   ScP   36 38.00
NST      31.44 117 eP    30 06.50    2.1
BTO      31.67  65 eP    30 06.50    0.1
      N  14s      0.62um
      E  14s      0.98um
                   eS    35 08.00
OBN      32.56 323 iPc   30 14.00    0.2
         1.4s     84.00nm        5.4mb
      Z  18s      2.60um         5.0Msz
      N  16s      1.70um
      E  18s      1.80um
                   i     30 18.00
                   ePP   31 27.00
                   i     31 30.00
                   ePPP  31 37.50
                   eS    35 28.00
                   eSS   37 04.00
                   eSSS  37 28.00
                   e     38 24.00
HHC      32.85  65 P     30 21.00    4.3X
      Z  12s      1.81um         5.0MszX
      N  11s      0.76um
      E  11s      0.69um
                   S     35 37.00
                   SS    37 32.00
TIY      33.66  71 eP    30 27.40    3.7X

      Z  12s      1.33um         4.9MszX
      N  14s      2.14um
                   S     35 44.00
ELL      33.84 288 iP    30 25.50    0.1
IZM      35.76 291 eP    30 41.00   -0.7
ISR      36.18 303 eP    30 31.00  -14.1X
BJI      36.39  66 eP    30 50.00    3.1X
         1.4s     24.00nm        4.9mb
      Z  20s      0.96um         4.6Msz
      N  12s      0.93um
                   eS    36 28.00
WHN      36.52  82 eP    30 48.00   -0.1
      Z  14s      1.53um         4.9MszX
      N  15s      1.64um
      E  15s      1.09um
                   sP    31 06.50
                   S     36 30.00
MLR      36.63 303 eP    30 50.00    1.0
CMP      37.25 303 ePd   30 57.00    2.9X
TIA      37.57  72 eP    30 58.70    1.9
      Z  12s      1.23um         4.9MszX
      N  14s      1.40um
                   eS    36 44.00
SNG      37.60 127 eP    30 57.00   -0.2
VAY      39.12 296 iP    31 10.00    0.3
BZS      39.67 303 eP    31 13.50   -0.7
IPM      39.80 129 ePd   31 16.00    0.3
         0.6s     30.50nm        5.2mb
NJ2      39.85  78 eP    31 15.80   -0.1
      N  13s      1.07um
      E  14s      0.70um
                   S     37 20.00
SKO      39.92 297 iP    31 16.50    0.1
      Z  12s      0.75um         4.8MszX
                   LR    56 33.00
OHR      40.47 296 eP    31 21.50    0.5
NUR      40.61 326 eP    31 22.00    0.3
SPC      40.72 309 eP    31 25.10    2.0
PSZ      40.90 307 ePc   31 25.70    1.3
OJC      41.08 310 eP    31 27.70    1.9
UZD      41.78 305 e(P)  31 33.00    1.5
SNY      41.83  63 eP    31 34.00    2.0
      Z  13s      1.55um         5.1MszX
      N  12s      1.10um
                   S     37 48.00
SRO      41.96 306 iP    31 34.70    1.7
SSE      42.02  79 Pd    31 34.00    0.3
         1.0s      8.00nm        4.4mb
      Z  16s      1.30um         4.9MszX
      N  13s      0.60um
      E  11s      0.60um
                   S     37 50.00
ZST      42.77 307 eP    31 41.20    1.5
                   e     33 22.90
CN2      43.02  59 eP    31 46.00    4.2X
         1.0s      6.10nm        4.3mb
      Z  16s      0.93um         4.8MszX
      N  13s      0.90um
      E  13s      0.72um
                   epP   31 58.00   43kmX
                   eS    38 06.00
KGM      43.23 129 ePd   31 44.20    0.5
KSP      43.35 311 eP    31 43.70   -0.7
                   e     33 26.80
PTJ      43.62 304 eP    31 36.90   -9.8X
UPP      43.78 324 iP    31 47.50   -0.2
PRU      44.46 310 Pc    31 54.30    1.0
      Z  13s      0.90um         4.9MszX
      N  11s      0.50um
      E  13s      0.70um
                   e     33 38.20
                   eS    38 30.10
MGR      44.55 296 P     31 54.50    0.3
BRG      44.84 311 eP    31 57.40    1.0
         1.7s     16.00nm        4.6mb
GEC2     45.02 308 P     31 57.20   -0.8
         0.5s      0.29nm        3.4mb X
KHC      45.10 308 eP    32 00.00    1.5
         1.5s     13.30nm        4.6mb
      Z  16s      1.00um         4.8MszX
      N  16s      0.50um
      E  16s      1.00um
                   i     33 46.50
                   eS    38 40.00
CLL      45.44 312 e(P)  31 59.00   -2.1
                   e     33 48.00
SDI      45.61 298 P     32 05.00    2.3
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05d 00h

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MDJ     45.91  58 eP      32 08.60   3.7X
ASS     46.25 300 P       32 09.50   1.8
MOX     46.32 311 e(P)    32 08.30   0.2
                  e       33 56.90
GRF     46.61 309 e(P)    32 10.00  -0.5
    Z  21s      0.40um           4.3Msz
CRE     46.68 301 P       32 12.90   1.7
SFI     46.72 301 P       32 12.90   1.6
NB2     47.12 325 P       32 13.60  -0.7
        0.8s     10.30nm          4.9mb
BSF     49.70 307 eP      32 30.40  -4.2X
        0.8s      4.85nm          4.6mb
LPG     50.07 304 eP      32 35.80  -1.9
        0.8s     12.65nm          5.0mb
LPL     50.08 304 eP      32 35.60  -2.1
        0.9s     15.05nm          5.0mb
LBF     51.72 306 eP      32 47.10  -2.8
        1.1s      8.80nm          4.6mb
LOR     51.75 307 eP      32 47.50  -2.6
        1.0s      4.00nm          4.3mb
    Z  18s      0.30um           4.4Msz
SMF     51.87 306 eP      32 48.80  -2.2
        0.8s     12.35nm          4.9mb
SSF     52.02 307 eP      32 49.50  -2.6
        1.3s     17.35nm          4.9mb
AVF     52.17 306 eP      32 51.00  -2.3
        0.8s      6.05nm          4.6mb
TCF     53.05 306 eP      32 57.80  -2.0
        1.2s     19.05nm          4.9mb
LSF     53.52 306 eP      33 01.20  -2.0
MAT     54.03  66 (P)     33 07.00  -0.1
        0.9s      9.24nm          4.8mb
                  eS      40 39.00
LDF     54.13 309 eP      33 05.30  -2.4
        1.2s     24.70nm          5.1mb
LFF     54.35 305 eP      33 07.60  -1.7
        0.6s      5.95nm          4.8mb
GRR     54.65 309 eP      33 08.90  -2.6
        1.4s     35.30nm          5.2mb
BTH     55.46 303 iPd     33 27.00   9.5X
BCAO    56.75 252 ePd     33 28.00   0.9
        0.3s     10.00nm          5.3mb
                  id      34 10.00
                  ic      35 12.00
KRI     63.70 225 iPc     34 15.00   0.4
                  ipP     34 19.90  16kmX
BUL     66.88 224 eP      34 38.70   3.6X
NANU    69.74 137 eP      34 52.40  -0.2
MBC     70.58   3 ePc     34 56.90  -0.1
        0.7s     21.00nm          5.3mb
MBL     71.25 132 eP      35 00.50  -1.4
MEEK    74.66 137 eP      35 20.50  -1.3
KIC     74.81 268 Pd      35 23.30   0.3
TIC     74.89 268 P       35 23.70   0.2
LIC     75.12 268 P       35 25.00   0.2
IMA     75.17  17 eP      35 23.10  -1.3
        1.0s      7.90nm          4.7mb
FBA     77.54  16 eP      35 36.90  -0.6
        0.3s      4.64nm          5.0mb
                  pP      35 43.70  22kmX
WARB    79.16 131 eP      35 47.00   0.0
PMR     79.99  18 ePc     35 50.50  -0.4
        1.0s     26.80nm          5.2mb
WB2     80.13 122 iPc     35 52.60   0.3
        0.4s     53.30nm          5.9mb
TOA     80.31  17 ePc     35 53.50   0.8
KLU     80.90  17 eP      35 55.66  -0.2
BALM    82.14  16 eP      36 02.90   0.5
ASPA    82.24 125 iPd     36 03.70   0.4
        0.9s      8.50nm          4.8mb
OIS     84.32 119 iPd     36 14.00   0.0
YKA     84.49   3 eP      36 14.10   0.0
        0.7s     17.80nm          5.4mb
FCC     87.53 352 eP      36 31.50   2.3
SPA    123.06 180 ePKP    42 42.80   5.2X
        1.1s      8.33nm
     S.D. = 1.4  on  91 of 113 obs.
----------------------------------------
? JUN  05, 1992  00h 39m 08.88± 4.30s
   42.947 N ±16.1km  146.612 E ±40.0km
   DEPTH =  73.3 ± 27.1 km
   4.3mb (  3 obs.)
 OFF COAST OF HOKKAIDO, JAPAN     (225)

KUSJ     1.40 277 iP+     39 31.80  -1.2
                  S       39 44.80
HOOJ     2.52 258 eP      39 49.80   1.5
                  eS      40 15.60
ASAJ     3.12 293 iP+     39 57.00   0.3
OFUJ     5.38 226 P       40 28.00  -0.3
                  S       41 25.40
BJI     22.92 273 eP      44 06.50  -0.6
KAF     64.85 333 iP      49 41.60  -0.2
        0.4s      1.50nm          4.3mb
NUR     66.57 333 eP      49 52.70  -0.1
        0.4s      3.10nm          4.6mb
NB2     70.21 339 P       50 16.00   0.6
        0.7s      1.90nm          4.1mb
     S.D. = 1.1  on   8 of   8 obs.
----------------------------------------
? JUN  05, 1992  01h 35m 34.24± 1.49s
   27.092 S ±10.0km   70.582 W ±33.8km
   DEPTH =  10.0km  (geophysicist)
 NEAR COAST OF NORTHERN CHILE     (122)

ANT      3.38   3 eP      36 28.00   0.0
RTLL     4.61 157 ePc     36 44.50  -1.1
                  S       37 31.00
RTCB     4.65 161 ePd     36 45.50  -0.7
                  (S)     37 41.80
RTBS     4.66 168 ePd     36 47.60   1.3
                  S       37 44.80
RTPR     4.80 133 ePd     36 48.80   0.6
CFA      4.94 156 e(P)    36 50.20  -0.1
     S.D. = 1.1  on   6 of   6 obs.
----------------------------------------
   JUN  05, 1992  02h 15m 03.89± 0.39s
   43.053 N ± 3.5km   12.952 E ± 3.3km
   DEPTH =  17.0 ±  4.2 km
 CENTRAL ITALY                    (381)
      ML 3.8 (ZAG), 3.5 (VIE), 3.5
      (LDG). MD 4.2 (TRI), 3.5 (ROM).

ASS      0.21 275 Pc      15 08.00  -1.1
ARV      0.45 359 P       15 11.00  -1.9
                  eSg     15 18.00
AQU      0.77 154 P       15 18.50  -0.1
                  eSg     15 31.00
CRE      0.93 309 P       15 21.50   0.3
                  eSg     15 35.50
RSM      0.95 338 P       15 22.30   0.9
AZI      1.12 161 P       15 26.10   1.7
                  eSg     15 42.70
SFI      1.18 318 P       15 26.00   0.6
                  eSg     15 45.00
PGD      1.22 313 P       15 26.40   0.3
                  eSg     15 44.80
RDP      1.31 188 P       15 27.80   0.4
                  eSg     15 45.50
MAO      1.47 245 P       15 30.00   0.4
SDI      1.49 154 P       15 31.70   1.7
                  eSn     15 51.00
DUI      1.78 141 P       15 36.00   1.8
PII      1.89 291 P       15 37.10   1.4
                  eSg     15 59.30
BDI      1.99 301 P       15 36.90  -0.3
                  eSg     16 00.90
MME      1.99 306 P       15 39.10   1.7
RIY      2.51  24 e(Pn)   15 44.50  -0.1
                  iSn     16 15.30
HVAR     2.56  86 ePn     15 44.70  -0.7
TRI      2.72  12 P       15 46.90  -0.6
CEY      2.89  21 ePn     15 49.00  -0.9
                  e       15 58.90
                  eSn     16 24.50
PGF      2.95 262 Pn      15 50.80  -0.1
VVI      2.95 353 P       15 52.50   1.6
VBY      2.96  33 ePn     15 58.00   7.1X
                  iPb     16 05.00
                  i       16 26.00
                  i       16 34.70
SGO      3.05 144 P       15 53.50   1.3
VOY      3.05  12 ePn     15 51.30  -1.1
                  eSn     16 27.80
BOB      3.06 305 P       15 52.50   0.1
SAL      3.09 327 P       15 54.00   1.2
CTI      3.14 343 P       15 54.30   0.7
LJU      3.20  20 ePn     15 54.40   0.1
                  ePg     16 04.50
                  iSn     16 32.50
ZAG      3.51  37 ePg     16 11.50  12.7X
                  iSn     16 42.00
                  iSg     16 55.00
FVI      3.54 358 P       15 58.70  -0.5
PTJ      3.57  36 ePn     16 02.60   2.9
                  iSn     16 42.00
MDI      3.58 321 P       15 59.90   0.2
BRT      3.84 123 P       16 02.00  -1.5
KBA      4.03   4 iPnd    16 06.40   0.0
                  iPg     16 22.20
                  i       16 26.30
                  iSn     16 49.90
                  iSg     17 09.50
OGA      4.05 341 eP      16 08.70   2.1
SBF      4.10 283 Pn      16 07.60   0.4
                  Sn      16 56.30
OSS      4.15 332 ePd     16 10.60   2.6
TMA      4.22 318 ePc     16 09.10   0.1
VDL      4.23 325 ePd     16 09.30   0.0
WTTA     4.31 348 iPnd    16 11.50   1.2
                  i       16 33.20
                  i       17 07.20
                  i       17 30.90
DOI      4.38 291 P       16 09.00  -2.2
ORO      4.40 307 P       16 12.00   0.5
MOTA     4.49 344 iPnd    16 13.40   0.6
FRF      4.63 278 Pn      16 14.00  -0.7
                  Sn      17 08.90
MMK      4.66 312 ePc     16 17.20   1.9
BHG      4.67 359 iPnc    16 17.10   1.8
LMR      4.72 276 Pn      16 14.70  -1.3
LLS      4.74 325 ePd     16 17.60   1.2
LRG      4.83 277 Pn      16 17.00  -0.5
BNI      4.95 296 P       16 19.00  -0.3
DIX      4.98 309 ePd     16 24.50   4.6X
LPG      5.08 301 Pn      16 21.80   0.5
LPL      5.10 301 Pn      16 22.20   0.7
                  Sn      17 20.60
UZD      5.34  47 e(P)    16 44.00  19.2X
BEO      5.70  69 ePn     16 51.50  21.7X
VKA      5.72  23 ePn     16 33.50   3.4X
                  iSn     17 32.70
ZST      5.91  28 e(P)    16 32.80   0.1
SRO      6.07  37 eP      16 39.70   4.7X
                  e       17 03.80
KHC      6.09   4 Pn      16 33.30  -2.1
                  e       16 53.00
                  Sg      17 43.00
GRC4     6.12 351 e(Pg)   16 40.60   5.0X
OHR      6.15 106 ePn     16 35.00  -1.2
SKO      6.37  97 ePn     16 37.80  -1.4
BSF      6.45 320 Pn      16 40.00  -0.5
                  Sn      17 51.40
CDF      6.67 325 Pn      16 42.00  -1.6
                  Sn      17 57.20
BZS      6.72  65 eP      16 42.00  -2.2
HAU      6.78 319 Pn      16 44.00  -1.1
                  Sn      17 58.70
PRU      7.02   8 ePn     16 49.50   1.1
                  e       17 57.00
                  Sn      18 02.00
SMF      7.40 302 Pn      16 53.60  -0.2
                  Sn      18 13.90
LBF      7.47 305 Pn      16 54.10  -0.7
                  Sn      18 15.20
MOX      7.65 354 e(P)    16 58.00   0.8
                  e       18 17.40
LOR      7.68 306 Pn      16 55.50  -2.2
                  Sn      18 20.40
AVF      7.77 302 Pn      16 57.90  -1.0
SSF      7.80 304 Pn      16 58.00  -1.3
                  Sn      18 22.90
BRG      7.85   5 ePn     17 32.00  32.0X
                  i       18 22.00
                  i       18 39.00
                  i       18 51.00
                  i       19 20.00
     S.D. = 1.3  on  65 of  74 obs.
----------------------------------------
   JUN  05, 1992  02h 22m 05.97± 0.50s
   36.566 N ± 9.0km   71.614 E ± 6.8km
   DEPTH =  33.0km  (normal)
   4.4mb (  2 obs.)
 AFGHANISTAN-TAJIKISTAN BORD REG.(717)

QUE      7.46 213 eP      23 56.00   0.6
        0.8s     16.04nm          5.1mb X
                  eS      25 15.00
NDI      9.17 147 iPc     24 23.50   4.6X
                  eS      25 57.00
MAIO     9.77 272 eP      24 26.00  -1.4
```

eS 26 05.00
GKN 13.93 124 P 25 23.80 0.5
KKN 14.50 123 P 25 30.60 -0.2
DMN 14.50 124 P 25 31.30 0.4
0.5s 22.00nm 4.9mb X
PKI 14.72 124 P 25 33.80 -0.2
0.4s 11.00nm 4.6mb X
GUN 14.83 122 P 25 34.70 -0.6
HYB 20.04 160 eP 26 39.00 -0.1
OJC 39.26 307 eP 29 33.80 0.8
BRG 42.97 308 i(P) 30 04.40 1.0
1.0s 20.00nm 4.8mb
MBC 67.25 3 eP 32 59.00 0.3
YKA 81.16 3 eP 34 18.00 -1.1
0.8s 1.10nm 3.9mb
WRA 81.61 122 P 34 35.70 13.5X
1.0s 0.40nm
S.D. = 0.8 on 12 of 14 obs.

& JUN 05, 1992 03h 21m 27.34s
34.676 N 121.662 W
DEPTH = 6.0km (geophysicist)
OFF COAST OF CALIFORNIA (38)
<PAS-P>. ML 3.0 (PAS).

PHAM 1.55 41 eP 21 53.83 -1.7
PKEM 1.88 42 (P) 21 59.80 -0.4
ABL 2.02 84 eP 22 00.69 -1.8
ISA 2.79 68 eP 22 11.58 -1.9
SSK 3.31 97 (P) 22 19.17 -1.8
5 obs. associated

& JUN 05, 1992 03h 25m 37.11s
34.690 N 121.695 W
DEPTH = 6.0km (geophysicist)
OFF COAST OF CALIFORNIA (38)
<PAS-P>. ML 3.1 (PAS).

PHAM 1.56 42 eP 26 03.68 -1.8
PKEM 1.88 43 (P) 26 09.34 -0.8
ABL 2.04 85 eP 26 10.79 -1.9
ARN 2.66 3 eP 26 20.35 -0.9
ISA 2.81 69 eP 26 21.79 -1.7
SSK 3.34 97 eP 26 29.38 -1.7
PEC 3.84 101 (P) 26 34.83 -3.2
PLM 4.23 107 eP 26 41.12 -2.6
BONR 4.26 39 eP 26 46.34 2.1
ORV 4.86 2 (P) 26 51.43 -1.1
TNP 4.95 46 eP 26 54.37 0.4
0.9s 3.22nm
11 obs. associated

& JUN 05, 1992 03h 38m 52.82s
33.995 N 116.288 W
DEPTH = 3.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.9 (PAS).

PEC 0.73 262 iPc 39 06.43 -1.0
eS 39 15.64
PLM 0.80 217 iPd 39 07.74 -1.1
eS 39 18.72
SSK 1.19 281 eP 39 14.55 -1.1
eS 39 30.88
GLA 1.54 127 ePn 39 18.88 -2.3
ePg 39 21.25
eS 39 41.62
ISA 2.45 313 ePn 39 32.18 -2.2
ePg 39 37.29
ARUT 4.43 31 (P) 40 01.14 -1.5
6 obs. associated

JUN 05, 1992 03h 42m 52.19± 0.75s
18.944 N ± 6.5km 95.820 W ± 8.2km
DEPTH = 39.3 ± 13.4 km
4.4mb (3 obs.)
VERACRUZ, MEXICO (525)

LVVM 0.99 323 iP 43 08.50 -1.2
(S) 43 25.00
IISM 1.47 272 iP 43 18.00 1.4
OXX 2.04 205 iP 43 26.00 1.0
iS 43 51.00
IIT 2.36 272 iP 43 32.00 2.5X
UNM 3.20 277 iP 43 40.00 -1.6
(S) 44 04.00
III 3.50 261 (P) 43 33.00 -12.8X
SCX 3.75 125 iP 43 49.00 0.0
iS 44 30.50
ACX 4.36 242 iP 44 02.00 4.2X
(S) 45 04.00
TPX 5.27 139 iP 44 10.00 -0.5
MEO 15.97 352 iPd 46 38.00 2.4X
VVO 16.33 0 eP 46 40.50 0.3
Lg 49 30.00
OCO 16.58 355 iPd 46 47.40 4.0X
SIO 16.74 359 eP 46 45.90 0.5
TUL 16.90 0 eP 46 47.50 0.1
0.4s 11.90nm 4.4mb
e 46 49.50
Lg 49 36.90
LNO 16.90 0 eP 46 47.50 0.2
Lg 49 37.80
RLO 17.17 2 eP 46 51.80 1.0
Lg 49 44.50
YKA 45.42 348 eP 51 08.30 -0.4
0.7s 2.90nm 4.3mb
PDCR 64.03 115 eP 53 24.10 -0.5
EKA 76.13 36 Pd 54 37.60 0.0
0.7s 8.00nm 4.8mb
MAW 129.49 170 e(PKP)02 05.00 7.3X
0.8s 57.00nm
S.D. = 0.9 on 14 of 20 obs.

& JUN 05, 1992 03h 44m 16.12s
33.994 N 116.288 W
DEPTH = 3.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.0 (PAS).

PEC 0.73 262 iPc 44 29.71 -1.1
eS 44 39.09
PLM 0.80 217 iPd 44 31.17 -0.9
eS 44 41.94
SSK 1.19 281 eP 44 37.78 -1.2
eS 44 54.21
ISA 2.45 313 ePn 44 55.46 -2.2
ePg 45 00.84
eS 45 32.79
ABL 2.57 290 ePn 44 57.55 -1.9
ePg 45 03.24
BCH 3.35 292 ePn 45 09.97 -0.5
ARUT 4.44 31 (P) 45 24.82 -1.1
ePg 45 39.11
MSU 5.60 35 (P) 45 41.14 -1.4
8 obs. associated

JUN 05, 1992 04h 27m 34.08± 0.45s
3.290 S ± 7.3km 139.788 E ±10.0km
DEPTH = 33.0km (normal)
4.9mb (7 obs.)
IRIAN JAYA, INDONESIA (201)

WWKK 3.84 95 eP 28 32.00 -0.4
MNDI 4.79 127 eP 28 52.00 6.0X
PMG 9.51 130 eP 29 57.00 5.1X
MTN 12.79 222 eP 30 37.00 0.6
0.3s 195.00nm 6.7mb X
eS 32 53.00
QIS 17.16 181 iPc 31 32.30 -0.8
0.7s 30.00nm 4.5mb
i 31 37.00
i 31 48.20
iS 34 39.00
WB2 17.38 197 iPd 31 35.60 -0.3
0.4s 56.50nm 5.0mb
eS 34 40.00
ASPA 21.04 195 iPd 32 17.80 0.1
0.7s 49.30nm 5.0mb
i 32 37.50
iS 36 06.20
WARB 26.02 208 eP 33 06.00 -0.1
0.4s 9.00nm 4.7mb
MBL 26.31 226 eP 33 11.50 2.7X
SNG 40.45 285 eP 35 12.80 1.3
HOOJ 45.57 4 eP 35 53.50 0.9
CHTO 45.80 300 eP 35 54.20 -0.7
1.0s 3.25nm 4.2mb
KUSJ 46.39 5 eP 35 58.80 -0.3
ASAJ 47.26 3 P 36 06.30 0.3
LZH 51.59 323 eP 36 39.00 -0.7
1.5s 28.00nm 5.0mb
SPA 86.73 180 iPc 40 17.20 1.2
0.7s 7.03nm 5.0mb
KIC 144.53 276 PKP 47 08.20 -1.7
TIC 144.79 277 PKP 47 09.00 -1.4
LIC 144.82 276 PKP 47 09.20 -1.2
LPB 146.13 126 PKP 47 15.00 1.9
ZOBO 146.23 126 PKP 47 14.80 1.3
S.D. = 1.1 on 18 of 21 obs.

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* JUN 05, 1992 04h 29m 56.98± 1.35s
27.937 N ±16.5km 127.921 E ±11.7km
DEPTH = 35.3km (2 depth phases)
4.5mb (6 obs.)
RYUKYU ISLANDS (238)

SSE 6.66 300 ePn 31 32.50 -2.5
Z 15s 0.90um
N 10s 1.10um
NJ2 8.87 300 Pd 32 07.20 1.5
N 10s 1.24um
E 10s 0.91um
MAT 12.22 43 eP 32 51.00 -0.5
SNY 14.31 347 eP 33 19.50 0.5
Z 13s 0.95um
N 11s 0.70um
E 10s 0.46um
BJI 15.49 324 eP 33 35.50 1.0
Z 16s 0.41um
N 12s 0.31um
HHC 18.62 318 P 34 14.00 0.2
Z 14s 0.94um
N 10s 0.51um
E 11s 0.41um
GYA 18.97 270 P 34 20.80 2.7
Z 14s 1.88um
N 12s 0.79um
E 12s 0.84um
BTO 19.41 315 eP 34 22.00 -1.2
N 13s 0.53um
E 13s 0.45um
esP 34 33.00
CD2 21.25 284 eP 34 41.30 -1.0
1.0s 22.00nm 4.5mb
Z 12s 0.92um 4.4MszX
E 11s 0.93um
LZH 21.93 298 eP 34 49.50 0.2
1.5s 23.00nm 4.4mb
Z 12s 0.53um 4.2MszX
N 13s 0.88um
pP 35 00.00 40km
KMI 22.69 269 eP 35 01.00 4.0X
1.6s 40.00nm 4.6mb
GTA 25.94 303 eP 35 28.00 0.1
1.2s 16.00nm 4.5mb
Z 14s 1.10um 4.5MszX
N 11s 0.60um
pP 35 36.50 30km
WMQ 35.85 307 P 36 56.00 0.6
1.0s 8.40nm 4.6mb
Z 12s 0.32um 4.3MszX
N 12s 0.35um
sP 37 05.00
SS 44 53.00
GUN 37.01 280 P 37 06.60 0.9
PKI 37.48 280 P 37 09.00 -0.6
KKN 37.56 280 P 37 09.80 -0.3
DMN 37.74 280 P 37 11.20 -0.5
GKN 38.08 281 P 37 12.60 -1.8
YKA 77.10 25 eP 41 49.00 0.9
1.0s 0.90nm 3.8mb
S.D. = 1.3 on 18 of 19 obs.

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* JUN 05, 1992 06h 29m 14.31± 0.68s
61.122 N ±10.9km 55.865 W ±10.1km
DEPTH = 10.0km (geophysicist)
4.2mb (6 obs.)
DAVIS STRAIT (444)

GDH 8.22 6 iPc 31 15.90 -0.4
0.8s 52.24nm 5.8mb X
i 32 46.00
LMN 16.17 203 eP 33 03.00 0.1
YKA 26.97 299 eP 34 56.20 -1.1
0.7s 0.80nm 3.5mb
SES 31.88 276 eP 35 41.00 -0.4
LPF 33.30 88 eP 36 02.10 8.3X
1.1s 26.60nm 5.1mb
TCF 36.11 87 eP 36 17.20 -0.7
0.8s 3.10nm 4.2mb

05d 06h

SSF 36.18 85 eP 36 18.80 0.3
0.8s 4.55nm 4.4mb
LBF 36.47 85 eP 36 21.20 0.3
0.8s 5.50nm 4.4mb
FBA 38.39 317 eP 36 38.80 2.0
0.6s 0.90nm 3.7mb
pP 36 46.90 27kmX
ASPA 141.96 345 ePKP 48 42.60 -5.2X
1.2s 3.20nm
S.D. = 1.1 on 8 of 10 obs.

• JUN 05, 1992 07h 24m 06.41± 3.19s
31.769 S ±15.2km 71.849 W ±26.2km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.9 (SAN).

ROCH 1.39 150 iPd 24 29.70 -0.3
iS 24 49.10
JACH 1.40 131 iP 24 29.50 -0.4
iS 24 47.80
PEL 1.69 145 iPc 24 34.20 0.1
iS 24 55.30
LCCH 1.72 172 iPc 24 34.30 -0.1
iS 24 56.60
TACH 2.03 158 iP 24 39.10 0.1
FCH 2.04 140 iPd 24 39.40 0.0
iS 25 06.10
RTBS 2.04 88 iPd 24 38.90 -0.2
S 25 04.60
PCH 2.16 149 iPd 24 40.90 0.0
iS 25 09.40
CHCH 2.38 155 iP 24 44.20 0.2
RTCB 2.62 85 ePd 24 47.50 0.1
(S) 25 21.00
ZON 2.71 86 eP 24 50.00 1.3
RTLL 2.92 82 ePd 24 51.00 -0.6
S 25 30.50
CFA 3.08 88 eP 24 53.50 -0.4
RTPR 4.81 74 e(P) 25 18.00 -0.3
S.D. = 0.5 on 14 of 14 obs.

? JUN 05, 1992 07h 47m 14.03±10.18s
34.290 S ±46.5km 72.155 W ±68.3km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.9 (SAN).

LNV 0.70 62 iPc 47 26.80 -0.6
LCCH 0.95 31 iPc 47 30.40 -0.6
TACH 1.19 58 iPd 47 34.10 -0.4
CHCH 1.30 75 iPd 47 35.70 -0.3
iS 47 57.70
CACH 1.30 83 iPc 47 36.60 0.5
iS 47 57.30
SAN 1.50 57 eP 47 39.20 0.3
iS 48 03.70
PCH 1.52 64 eP 47 39.20 -0.1
iS 48 03.30
ROCH 1.62 36 eP 47 40.50 -0.4
iS 48 08.00
PEL 1.68 47 iPd 47 41.90 0.4
iS 48 08.70
FCH 1.82 59 iPd 47 43.60 -0.3
iS 48 12.60
JACH 2.07 40 eP 47 47.80 0.6
RTBS 3.47 42 iPd 48 09.70 2.7X
RTCB 3.97 46 eP 48 15.30 1.0
CFA 4.24 52 ePc 48 18.00 0.0
RTLL 4.28 47 ePd 48 18.60 0.0
S.D. = 0.5 on 14 of 15 obs.

% JUN 05, 1992 07h 59m 26.14± 0.80s
39.118 N ± 6.7km 27.616 E ± 8.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.77 201 iPg 59 41.10 -0.1
iSg 59 52.60
DST 0.92 58 iPn 59 44.00 0.2
EZN 1.22 306 ePn 59 49.10 0.2
EDC 1.24 9 ePn 59 49.00 -0.2
BNT 1.26 11 iPn 59 49.30 -0.2
KCT 1.27 27 iPn 59 49.80 0.1
S.D. = 0.3 on 6 of 6 obs.

JUN 05, 1992 08h 05m 52.87± 0.61s
39.395 N ± 4.9km 20.711 E ± 5.5km
DEPTH = 25.7 ± 5.3 km
GREECE-ALBANIA BORDER REGION (392)
ML 3.9 (ATH), 3.7 (TIR), 3.6
(TTG).

SRN 0.73 312 ePg 06 07.20 0.3
iSg 06 20.20
KEK 0.77 295 eP 06 07.00 -0.6
TPE 1.05 329 iPnd 06 14.20 2.3
iSn 06 32.00
VLS 1.22 185 eP 06 15.00 0.7
eS 06 34.00
KZN 1.22 42 eP 06 13.20 -1.2
VLO 1.42 319 iPn 06 20.10 2.9X
iSn 06 41.00
OHR 1.72 2 iPnc 06 24.10 2.6
iSn 06 48.00
LR 06 56.40
TIR 2.05 342 ePn 06 26.00 -0.3
iSn 06 56.00
PHP 2.30 355 ePn 06 37.20 7.4X
iSn 07 53.70
LCI 2.32 295 P 06 28.50 -1.6
eSn 06 58.00
VAY 2.39 36 iPn 06 35.00 3.9X
iSn 07 08.00
LR 07 20.00
SKO 2.63 12 ePn 06 35.00 0.4
iPg 06 40.50
iSn 07 06.00
iSg 07 15.50
KKS 2.69 355 ePn 06 37.00 1.7
ATH 2.75 120 eP 06 37.50 1.3
SDA 2.78 341 ePn 06 38.30 1.8
iSn 07 13.70
ULC 2.80 337 iPnc 06 37.08 0.2
iSn 07 09.42
BRT 3.07 300 P 06 42.30 1.5
VLI 3.20 146 eP 06 42.50 -0.1
ROI 3.21 274 P 06 42.80 0.0
BDV 3.22 334 iPnd 06 42.46 -0.4
iSn 07 18.68
TTG 3.22 341 iPnc 06 43.27 0.3
iSn 07 20.14
PVY 3.25 350 iPnc 06 45.23 1.9
iSn 07 23.31
ORI 3.35 283 P 06 45.90 1.1
TDS 3.39 276 P 06 46.80 1.4
CSI 3.44 278 P 06 45.80 -0.3
HCY 3.48 332 iPnd 06 45.69 -0.9
iSn 07 24.37
IVA 3.53 350 iPnc 06 48.94 1.6
iSn 07 30.22
CZI 3.56 269 P 06 48.60 0.9
NKY 3.65 340 iPnd 06 49.27 0.1
iSn 07 30.31
BRY 3.87 336 iPnd 06 51.67 -0.5
iSn 07 34.44
SOI 3.87 252 P 06 51.80 -0.3
eSn 07 36.00
MGR 4.04 282 P 06 55.20 0.6
PLE 4.05 346 iPnc 06 55.77 0.9
iSn 07 41.43
SGO 4.31 287 P 06 58.90 0.5
HVAR 4.96 321 iPn 07 06.70 -0.9
iSn 08 01.00
MEU 5.09 245 P 07 08.60 -1.0
eSn 08 04.60
SDI 5.74 296 P 07 19.60 1.0
BZS 6.25 6 eP 07 24.00 -1.8
YLV 6.75 77 iPn 07 38.80 5.8X
ARV 7.13 308 P 07 36.70 -1.5
CEY 7.85 326 ePn 07 46.20 -2.1
eSn 09 11.90
VOY 8.31 325 ePn 07 52.90 -1.9
eSn 09 21.80
S.D. = 1.3 on 38 of 42 obs.

% JUN 05, 1992 09h 31m 23.90± 0.99s
39.256 N ±14.2km 28.267 E ±18.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.45 39 iPg 31 32.80 -0.2
eSg 31 39.80
KCT 0.99 4 iPg 31 42.70 -0.1
iSg 31 56.20
IZM 1.16 223 ePn 31 45.60 0.0
IZI 1.42 40 ePn 31 49.80 -0.1
YLV 1.56 33 ePn 31 52.20 0.4
S.D. = 0.3 on 5 of 5 obs.

• JUN 05, 1992 09h 41m 24.04± 1.93s
18.376 S ±11.6km 178.413 W ± 9.3km
DEPTH = 645.6 ± 27.2 km
4.6mb (16 obs.)
FIJI ISLANDS REGION (181)

DZM 14.68 253 iPc 44 28.40 -0.1
ORZ 23.69 197 eP 45 51.10 0.5
DSZ 24.75 198 eP 46 00.00 0.1
LTZ 25.58 196 eP 46 05.80 -1.4
EWZ 26.65 198 P 46 15.40 -0.9
LMZ 27.32 200 P 46 21.80 -0.3
BWZ 27.86 198 P 46 25.60 -1.2
ODZ 28.12 197 eP 46 28.60 -0.5
TUZ 29.24 197 P 46 39.30 0.8
ARMA 29.71 241 iPc 46 44.00 1.1
0.7s 11.00nm 4.6mb
RMQ 31.34 249 iPd 46 56.60 0.1
0.3s 7.00nm 4.8mb
CTA 33.37 261 iPd 47 13.40 -0.1
0.4s 50.00nm 5.5mb
CAN 33.42 233 iPd 47 14.90 1.0
BWA 33.55 235 eP 47 14.10 -0.9
CMS 34.79 241 eP 47 26.10 0.9
0.8s 13.00nm 4.5mb
TOO 36.87 231 iPc 47 44.00 1.8
0.7s 26.00nm 4.9mb
STK 38.41 242 iPd 47 56.00 1.3
1.1s 5.00nm 4.0mb
WB2 44.53 260 iPc 48 42.00 -1.0
0.2s 12.50nm 5.0mb
WRA 44.54 260 P 48 42.30 -0.8
0.5s 4.00nm 4.1mb
ASPA 44.67 255 iPd 48 43.80 -0.2
0.7s 37.70nm 4.9mb
WARB 51.12 251 iPd 49 31.90 -0.1
0.3s 5.00nm 4.3mb
MBL 57.86 256 eP 50 18.10 -0.8
NANU 61.59 254 eP 50 43.90 0.6
BONR 79.50 44 eP 52 27.41 0.1
TNP 80.29 45 eP 52 32.20 0.9
0.9s 8.98nm 4.3mb
CRP 82.11 12 eP 52 38.14 -1.8
ARUT 82.70 46 (P) 52 43.53 0.2
RMW 82.85 35 ePd 52 44.40 0.6
TTA 82.93 10 eP 52 44.20 0.3
PMR 83.05 14 eP 52 43.80 -0.6
MSU 83.92 46 (P) 52 51.16 1.7
TOA 84.19 15 eP 52 50.20 0.1
PNT 85.12 34 eP 52 55.00 0.3
0.7s 8.00nm 4.5mb
NEW 85.89 36 eP 52 59.00 0.5
0.5s 5.65nm 4.5mb
PV10 86.03 48 eP 53 00.20 0.5
FBA 86.26 13 eP 52 58.04 -1.8
0.5s 12.19nm 4.9mb
SES 90.39 36 ePc 53 19.50 0.2
RSSD 91.90 44 eP 53 27.20 0.5
1.0s 3.52nm 4.3mb
YKA 94.75 25 eP 53 37.70 -1.2
0.6s 0.80nm 4.1mb
DMU 143.94 9 ePKP 59 48.00 -0.8
DCN 144.43 9 ePKP 59 49.60 0.0
DLF 144.58 8 ePKP 59 50.20 0.3
0.9s 77.00nm
KSP 145.55 343 iPKPc 59 53.90 2.3X
CLL 145.91 347 iPKP 59 54.70 2.5X
0.7s 23.00nm
BRG 146.12 346 iPKP 59 55.40 2.9X
0.6s 12.00nm
FLN 149.64 3 ePKP 00 04.10 6.0X
0.5s 3.80nm
CDF 149.68 352 ePKP 00 04.60 6.3X
0.6s 4.50nm
GRR 150.00 3 ePKP 00 05.10 6.5X
0.7s 8.95nm
HAU 150.19 354 ePKP 00 05.70 6.7X
0.5s 4.30nm
LPF 150.34 4 ePKP 00 06.00 6.9X
0.7s 10.80nm
LOR 151.12 357 ePKP 00 07.90 7.5X

```
      0.5s      5.60nm
SSF   151.35 357 ePKP  00 08.30    7.6X
      0.5s      3.65nm
LBF   151.40 357 ePKP  00 08.40    7.6X
      0.9s      6.70nm
MFF   151.81   3 ePKP  00 09.30    7.9X
      0.9s      7.85nm
MAF   152.22 359 ePKP  00 10.60    8.6X
      0.7s      3.40nm
LPL   152.60 352 ePKP  00 12.00    9.2X
      0.6s      2.55nm
    S.D. = 0.9  on  42 of  56 obs.
--------------------------------------
? JUN 05, 1992  09h 49m 49.05± 1.39s
  28.351 S ±10.5km  179.972 E ± 7.9km
  DEPTH = 478.7 ± 17.3 km
  4.9mb ( 17 obs.)
 KERMADEC ISLANDS REGION          (177)
KUZ     9.11 202 P     52 00.80    2.8
HBZ     9.33 188 P     52 01.50    1.1
PUZ     9.80 188 P     52 06.50    1.0
                 eS    53 54.90
WLZ    10.17 200 Pd    52 12.30    2.9X
      0.7s     85.00nm          5.3mb
NOZ    10.37 188 eP    52 10.50   -0.9
      0.4s    161.00nm          5.8mb
PATZ   10.47 196 P     52 14.20    1.5
PAHZ   10.76 192 P     52 16.10    0.4
MOZ    11.01 202 P     52 21.40    3.1X
                 e     54 31.70
NGZ    11.39 197 eP    52 22.60   -0.1
WAHZ   11.71 194 P     52 23.50   -2.4
PGZ    12.61 193 P     52 34.30   -1.1
      0.5s     67.00nm          5.4mb
KIW    13.16 197 P     52 39.80   -1.4
CAW    13.35 196 P     52 42.00   -1.2
BLW    13.50 195 P     52 43.70   -1.1
MRW    13.55 197 P     52 43.70   -1.6
TCW    13.65 198 eP    52 44.50   -1.8
DZM    13.74 294 iPd   52 46.00   -1.5
ORZ    13.87 204 P     52 49.50    0.9
      0.5s     57.00nm          5.4mb
KHZ    14.98 199 P     52 59.30   -0.6
      0.4s     45.00nm          5.4mb
LTZ    15.69 201 P     53 06.10   -1.1
EWZ    16.82 203 eP    53 19.60    1.3
LRCZ   18.70 204 P     53 37.40    0.5
MHZ    18.72 204 P     53 37.00   -0.1
MMCZ   18.73 205 eP    53 36.90   -0.2
LSCZ   18.74 204 P     53 37.60    0.5
SBCZ   18.74 204 P     53 37.20    0.0
ARMA   24.76 258 eP    54 35.00    1.8
CAN    27.14 247 eP    54 56.00    1.8
BWA    27.54 249 iPc   54 57.20   -0.5
TOO    30.22 243 iPd   55 23.60    2.6
      1.0s     78.00nm          5.1mb
CTA    31.75 277 iPd   55 34.70    0.5
      0.5s    134.86nm          5.7mb
BFD    32.51 245 eP    55 41.00    0.6
STK    33.27 254 eP    55 48.20    1.4
      0.5s      6.00nm          4.3mb
QIS    37.42 273 iPd   56 21.40   -0.1
LAT    37.92 298 eP    56 25.30   -0.3
ASPA   41.48 266 iPc   56 54.20   -0.3
      1.1s     35.00nm          4.8mb
                 eS    02 36.00
WB2    42.26 271 iPd   57 00.10   -0.6
      0.6s     30.60nm          5.0mb
WRA    42.27 271 P     57 00.40   -0.4
      0.8s     13.00nm          4.5mb
FORT   44.89 254 eP    57 21.00   -0.3
WARB   47.13 260 iPd   57 38.10   -0.5
COOL   50.69 252 eP    58 04.80   -0.4
      0.4s      6.00nm          4.3mb
KLB    53.35 250 eP    58 24.00   -0.5
BAL    54.47 251 eP    58 32.00   -0.5
MUN    54.54 249 eP    58 33.20    0.2
MBL    54.61 263 eP    58 32.50   -1.1
      0.4s     10.00nm          4.5mb
MRWA   55.43 253 eP    58 39.00   -0.2
CSY    56.14 207 iPd   58 45.40    1.8
      0.5s     12.60nm          4.5mb
NANU   57.88 260 eP    58 56.50    0.3
ADK    79.94   2 eP    01 06.19   -1.7
      0.7s     34.88nm          5.0mb
BCH    84.80  45 eP    01 34.06    1.0
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ABL    85.13  46 P     01 35.80    0.9
ISA    86.12  46 ePd   01 39.89    0.5
      0.8s     15.04nm          4.8mb
GLA    86.90  50 ePc   01 44.58    1.4
BONR   87.67  44 ePd   01 47.52    0.5
TNP    88.41  45 eP    01 50.42    0.0
      0.8s      8.19nm          4.6mb
MSU    91.85  47 ePd   02 07.05    0.8
FBA    96.27  13 eP    02 24.00   -1.5
KAF   142.03 340 ePKP  08 21.10   -5.4X
NUR   143.78 340 ePKP  08 27.30   -2.2
UPP   146.27 344 iPKP  08 34.30    0.6X
      0.8s    100.00nm
NB2   146.45 350 PKP   08 33.50   -0.5X
      0.8s     23.30nm
HRI   148.99 288 ePKP  08 45.00    6.0X
JVI   149.28 285 ePKP  08 45.70    6.3X
SAGI  149.75 282 ePKP  08 46.60    6.4X
BCAO  150.38 220 ePKPd 08 47.00    5.5X
      0.2s     36.00nm
                 id    08 49.00
CLL   155.06 340 ePKP  08 57.00   10.1X
      0.9s      8.00nm
                 i     09 13.70
BRG   155.15 339 ePKP  08 47.80    0.7X
                 e     09 14.10
LIC   157.49 167 PKP   08 53.00    1.9X
KIC   157.68 168 PKP   08 53.30    1.9X
TIC   157.90 167 PKP   08 53.70    2.1X
    S.D. = 1.2  on  56 of  70 obs.
--------------------------------------
  JUN 05, 1992  09h 54m 51.51± 0.22s
  10.703 S ± 4.1km  166.217 E ± 5.2km
  DEPTH = 155.3km  (  7 depth phases)
  5.0mb ( 22 obs.)
 SANTA CRUZ ISLANDS               (184)
     CENTROID, MOMENT TENSOR     (HRV)
     Data Used: GDSN
     L.P.B.: 16S, 25C
     Centroid Location:
     Origin Time        09:55: 2.6 1.1
     Lat 10.37S 0.14 Lon 165.65E 0.11
     Dep 172.1 3.1 Half-duration  1.4
     Moment Tensor;   Scale 10**16 Nm
       Mrr= 4.54 0.46  Mtt=-0.47 0.64
       Mff=-4.08 0.67  Mrt= 0.17 0.53
       Mrf=-3.90 0.52  Mtf=-1.00 0.70
      Principal Axes:
       T  Val=  6.08   Plg=68  Azm= 78
       N       -0.36       8       187
       P       -5.72      21       280
     Best Double Couple:Mo=5.9*10**16
      NP1:Strike= 24 Dip=25 Slip= 108
      NP2:       184     66        82

HNR     6.30 281 eP    56 26.00    2.7
BKM     7.20 164 iPc   56 38.30    2.9
DZM    11.31 179 iPc   57 32.20    2.5
                 iS    59 38.90
RAB    15.35 294 e(P)  58 24.00    2.7
PMG    18.81 272 eP    59 02.00    0.1
CTA    21.37 242 eP    59 28.80    1.0
      0.8s    129.48nm          5.4mb
                 e     59 57.20 148km
RMQ    22.77 224 eP    59 42.00    0.7
      0.9s     72.00nm          5.1mb
                 i     59 44.00   7kmX
                 i     00 11.70
WWKK   23.48 286 eP    59 46.10   -2.3
ARMA   23.85 213 iPd   59 54.10    2.2
      0.9s     50.00nm          5.0mb
                 i     00 30.00 184kmX
QIS    27.40 246 eP    00 23.40   -1.1
CMS    28.00 219 iPc   00 30.80    1.0
                 i     01 02.50 152km
BWA    28.67 212 eP    00 34.70   -1.2
HBZ    28.90 160 P     00 37.90    0.1
      0.3s     14.00nm          5.2mb
PUZ    29.32 160 eP    00 40.10   -1.4
PAHZ   29.66 163 P     00 45.20    0.6
NOZ    29.74 161 P     00 45.10   -0.1
      0.3s     17.00nm          5.3mb
WAHZ   30.25 164 P     00 49.90    0.1
KIW    31.01 167 eP    00 56.10   -0.3
STK    31.01 223 ePd   00 57.20    0.7
      0.4s     10.10nm          4.9mb
                 e     01 31.20 161km
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PGZ    31.10 165 P     00 56.10   -1.0
CAW    31.28 167 eP    00 58.00   -0.7
MRW    31.32 168 eP    00 58.10   -0.9
MTW    31.42 166 eP    00 59.00   -1.0
BLW    31.61 167 P     01 00.60   -1.0
MOW    31.61 167 P     01 00.60   -1.1
AMW    31.62 166 P     01 01.20   -0.5
WB2    32.02 249 iPc   01 04.00   -1.5
      0.9s     23.80nm          5.0mb
                 e     01 36.60 153km
                 e     02 05.00
WRA    32.03 249 P     01 04.30   -1.3
      0.8s     13.60nm          4.8mb
KHZ    32.24 170 P     01 05.70   -1.3
      0.2s      7.00nm          5.1mb
LTZ    32.39 172 P     01 08.50    0.1
      0.8s     80.00nm          5.5mb
TOO    32.60 211 eP    01 11.00    0.7
                 e     01 45.00 160km
EWZ    32.93 174 P     01 13.70    0.7
MOZ    33.35 171 P     01 16.30   -0.4
      0.8s     62.00nm          5.4mb
ASPA   33.36 243 iPd   01 15.30   -1.8
      0.9s     23.10nm          4.9mb
                 i     01 47.40 149km
BWZ    33.85 175 P     01 20.00   -0.9
MHZ    34.34 176 P     01 25.30    0.1
TLC    34.45 176 P     01 26.60    0.3
TUZ    35.25 176 P     01 33.00    0.2
WARB   40.39 242 iPd   02 16.20    0.3
MBL    45.65 251 eP    02 58.00   -0.4
MEEK   47.51 244 eP    03 12.70   -0.4
OPA    47.64  47 eP    03 14.37    0.4
CSY    66.87 201 iPd   05 28.40   -0.1
      0.5s     33.60nm          5.4mb
CHTO   72.51 294 eP    06 02.30   -1.2
      1.0s      2.25nm        3.9mb X
                 pP    06 42.10 164km
SVW    77.64  18 eP    06 31.74   -0.2
      1.1s     25.62nm          4.9mb
ANM    78.06  12 (P)   06 37.33    3.3X
TTA    78.97  17 ePc   06 38.84   -0.3
      1.2s     36.51nm          5.0mb
SPA    79.37 180 iPc   06 42.50    1.1
      0.8s     27.08nm          5.0mb
PMR    80.08  20 ePc   06 45.00    0.0
      1.2s     50.30nm          5.1mb
KLU    81.11  21 ePc   06 50.17   -0.4
TOA    81.44  21 ePc   06 53.20    1.0
IMA    82.06  15 ePc   06 54.38   -1.1
      1.2s     10.34nm          4.4mb
BALM   82.12  23 eP    06 54.72   -1.1
FBA    82.85  18 ePc   06 58.01   -1.4
      0.6s     41.26nm          5.3mb
                 epP   07 42.11 179kmX
ORV    83.44  48 eP    07 01.47   -1.4
                 pP    07 49.82 197kmX
ISA    84.50  52 ePc   07 09.00    0.6
      1.5s     33.27nm          4.9mb
                 pP    07 55.45 188kmX
BMW    84.68  41 eP    07 09.60    0.6
SSK    84.69  54 eP    07 05.17   -4.3X
PEC    85.02  54 eP    07 11.67    0.7
      1.4s     15.30nm          4.6mb
                 (pP)  07 54.29 171kmX
PLM    85.11  55 eP    07 12.55    0.9
                 pP    07 56.52 177kmX
MAW    85.21 202 iPc   07 11.80    0.6
      1.0s     22.00nm          4.9mb
GMW    85.35  40 eP    07 12.84    0.6
BRW    85.50  11 iPc   07 13.05    0.5
RMW    85.94  40 eP    07 15.82    0.5
                 pP    08 01.09 182kmX
GLA    86.68  56 eP    07 19.52    0.4
PNT    87.94  39 eP    07 25.00    0.2
ARUT   88.97  51 eP    07 31.05    0.9
                 pP    08 13.91 171kmX
MSU    90.11  51 eP    07 36.23    0.7
                 pP    08 19.65 173kmX
HVU    90.43  48 eP    07 38.02    1.2
DAU    91.23  49 eP    07 41.52    0.7
EMUT   91.43  50 eP    07 42.49    0.9
SRU    91.50  51 eP    07 42.10    0.2
LRM    91.62  44 ePc   07 42.70    0.3
SES    93.57  40 eP    07 51.00    0.1
MBC    96.66  13 eP    08 05.00    0.5
KEV   115.59 345 ePKP  13 12.00   -4.1X
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05d 10h

KAF 121.09 339 ePKP 13 24.00 -2.7X
NUR 122.77 339 ePKP 13 28.30 -1.7
NB2 126.49 345 PKP 13 35.40 -1.9
0.9s 1.90nm
PDCR 145.85 132 ePKP 14 13.70 -0.5
BCAO 147.38 261 iPKPc 14 15.00 -1.7
0.8s 56.00nm
ic 14 18.10
id 15 03.90
ETOR 148.26 343 iPKPd 14 21.40 3.9X
GUD 148.99 346 iPKPc 14 23.00 4.3X
ECHE 149.05 341 ePKP 14 31.00 12.3X
EVIA 150.41 342 ePKP 14 27.30 6.5X
S.D. = 1.1 on 77 of 85 obs.

% JUN 05, 1992 10h 09m 23.99± 0.65s
39.181 N ± 5.7km 29.326 E ± 6.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ALT 0.62 101 iPg 09 36.30 -0.3
iSg 09 44.30
DST 0.69 308 iPg 09 37.30 -0.3
iSg 09 47.30
KHL 0.87 170 iPg 09 41.00 0.2
iSg 09 52.00
IZI 1.16 6 iPn 09 45.30 -0.4
KCT 1.30 325 iPn 09 48.70 0.6
GPA 1.34 34 ePn 09 49.00 0.3
YLV 1.38 1 iPn 09 49.70 0.3
BNT 1.60 318 ePn 09 52.00 -0.3
S.D. = 0.5 on 8 of 8 obs.

JUN 05, 1992 10h 38m 02.84± 0.86s
43.409 N ± 5.1km 5.419 E ± 6.5km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.8 (STR).

GELF 0.03 167 Pg 38 04.41 -0.4
TREF 0.22 353 Pg 38 07.34 -0.2
BERF 0.22 116 Pg 38 07.79 0.1
PUYF 0.24 59 Pg 38 07.42 -0.5
CDR 0.37 43 iPg 38 08.90 -1.5
i 38 14.00
PRAF 0.44 335 Pg 38 12.11 0.4
VILF 0.49 26 Pg 38 12.75 -0.1
TAVF 0.51 66 Pg 38 12.97 -0.2
CALN 1.12 72 Pg 38 24.95 1.0
REVF 1.45 76 Pn 38 29.50 0.3
Sg 38 49.98
TOUF 1.46 65 Pn 38 30.45 1.1
AURF 1.47 70 Pn 38 29.82 0.4
Sg 38 49.76
AUTN 1.57 67 Pn 38 31.62 0.6
Sg 38 54.35
PGF 2.76 107 Pn 38 47.16 -0.9
S.D. = 0.8 on 14 of 14 obs.

JUN 05, 1992 11h 03m 54.79± 1.10s
18.992 N ±11.0km 94.373 E ± 8.8km
DEPTH = 49.4 ± 12.4 km
4.5mb (5 obs.)
MYANMAR (296)

CHG 4.33 92 ePn 05 00.40 0.6
iSg 05 47.80
CHTO 4.33 92 iPn 05 00.00 0.2
BDT 4.73 111 ePg 05 40.20 34.7X
eSg 05 55.30
NST 6.42 120 eP 05 29.00 -0.1
SHL 6.94 341 eP 05 35.00 -1.6
iS 06 54.00
KMI 9.87 50 Pd 06 22.00 4.8X
1.5s 40.00nm 5.3mb X
pP 06 39.00
GUN 11.81 320 P 06 43.20 -0.4
PKI 11.86 318 P 06 44.60 0.3
DMN 12.08 317 P 06 48.20 1.1
KKN 12.09 318 P 06 48.20 0.9
GKN 12.65 317 P 06 53.80 -0.8
LZH 18.97 24 Pd 08 15.00 -0.1
1.5s 28.00nm 4.3mb
Z 17s 0.25um 4.5MszX
pP 08 27.00
sP 08 32.00
MUN 54.83 157 eP 13 22.50 0.2

0.5s 62.00nm 5.9mb X
WRA 55.07 133 P 13 24.10 -0.2
0.7s 3.40nm 4.5mb
WB2 55.08 133 iPc 13 23.70 -0.6
0.7s 7.00nm 4.8mb
ASPA 57.31 136 iPd 13 39.90 -0.4
0.7s 6.50nm 4.8mb
NB2 70.28 329 P 15 17.20 12.4X
0.6s 0.60nm
MBC 82.78 8 eP 16 28.00 13.5X
YKA 95.62 13 eP 17 16.80 0.8
0.8s 0.40nm 4.0mb
S.D. = 0.8 on 15 of 19 obs.

% JUN 05, 1992 11h 46m 07.84± 0.83s
39.140 N ± 6.5km 27.577 E ±11.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.78 198 iPg 46 23.10 0.0
iSg 46 35.10
DST 0.94 60 iPn 46 25.70 -0.1
EDC 1.23 10 ePn 46 31.00 0.4
BNT 1.24 12 iPn 46 31.10 0.2
KCT 1.26 28 iPn 46 31.10 -0.2
KGT 1.33 351 ePn 46 32.00 -0.3
S.D. = 0.3 on 6 of 6 obs.

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* JUN 05, 1992 12h 02m 46.98± 0.78s
31.231 N ± 9.9km 141.870 E ±18.0km
DEPTH = 33.0km (normal)
4.4mb (8 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 6.11 331 eP 04 18.00 0.6
0.7s 10.96nm 4.6mb
(S) 05 26.00
BJI 22.60 300 eP 07 45.00 -0.8
1.2s 16.00nm 4.4mb
CHTO 40.58 263 e(P) 10 25.00 -0.2
0.6s 0.56nm 3.5mb
WB2 51.39 189 iP 11 50.40 -0.4
0.3s 3.60nm 4.8mb
WRA 51.39 189 P 11 50.70 -0.1
0.4s 2.50nm 4.5mb
ASPA 55.12 189 eP 12 19.30 0.9
0.7s 6.40nm 4.8mb
YKA 68.66 29 eP 13 47.90 -0.8
1.1s 0.70nm 3.7mb
NB2 79.68 338 P 14 53.30 0.8
0.9s 1.80nm 4.1mb
S.D. = 0.8 on 8 of 8 obs.

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* JUN 05, 1992 12h 05m 40.85± 0.72s
37.489 N ±10.0km 71.436 E ±10.7km
DEPTH = 33.0km (normal)
4.6mb (9 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.(717)

QUE 8.18 208 iPd 07 40.10 -0.3
0.5s 35.92nm 5.7mb X
eS 08 59.50
MAIO 9.64 267 eP 08 30.00 29.6X
eS 10 05.00
NDI 10.03 149 iPc 08 06.00 0.3
eS 09 42.50
GKN 14.58 127 P 09 07.40 0.7
0.4s 21.00nm 5.0mb
KKN 15.13 126 P 09 13.60 -0.5
0.4s 21.00nm 4.8mb
DMN 15.15 127 P 09 14.40 0.1
0.4s 10.00nm 4.4mb
PKI 15.37 126 P 09 16.40 -0.8
0.4s 14.00nm 4.6mb
GUN 15.44 124 P 09 18.80 0.6
0.4s 17.00nm 4.6mb
MLR 34.62 298 eP 12 37.00 8.1X
NB2 43.81 322 P 13 46.00 1.0
0.5s 1.70nm 4.1mb
MBC 66.33 3 eP 16 28.50 0.8
YKA 80.24 3 eP 17 47.20 -1.9
0.7s 1.20nm 4.0mb
WRA 82.22 122 P 17 50.80 -9.4X
0.3s 1.60nm 4.5mb
WB2 82.23 122 iPc 17 50.50 -9.7X
0.4s 5.40nm 4.9mb
S.D. = 1.0 on 10 of 14 obs.

% JUN 05, 1992 12h 08m 14.74± 1.97s
42.765 N ±11.5km 19.166 E ±14.2km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.6 (TTG).

NKY 0.13 291 iPgd 08 18.34 0.3
iSg 08 21.62
TTG 0.34 168 iPgd 08 21.69 -0.1
iSg 08 27.37
BRY 0.48 287 iPgd 08 24.19 -0.3
iSg 08 32.72
BDV 0.54 208 iPgd 08 25.93 0.2
iSg 08 35.49
HCY 0.59 237 iPgd 08 26.49 -0.1
iSg 08 37.12
ULC 0.80 176 iPgc 08 30.29 -0.1
iSg 08 43.37
S.D. = 0.3 on 6 of 6 obs.

JUN 05, 1992 12h 38m 26.84± 0.13s
5.428 S ± 2.4km 147.090 E ± 3.9km
DEPTH = 219.6km (3 depth phases)
5.4mb (53 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 26C
Centroid Location:
Origin Time 12:38:29.9 0.6
Lat 5.50S 0.04 Lon 147.01E 0.07
Dep 231.3 4.3 Half-duration 1.3
Moment Tensor; Scale 10**16 Nm
Mrr= 3.68 0.30 Mtt=-4.23 0.48
Mff= 0.55 0.65 Mrt= 1.15 0.52
Mrf= 1.88 0.51 Mtf= 1.89 0.41
Principal Axes:
T Val= 4.95 Plg=60 Azm=294
N -0.03 30 106
P -4.91 3 198
Best Double Couple:Mo=4.9*10**16
NP1:Strike=316 Dip=49 Slip= 131
NP2: 83 55 53

LAT 1.22 184 iPc 39 01.90 1.5
MDG 1.32 278 eP 39 03.10 2.0
YYYY 1.38 234 iPc 39 03.10 1.3
FINC 1.41 147 eP 39 01.30 -0.5
MNDI 3.49 258 iP 39 26.10 2.2
WWKK 3.89 297 eP 39 29.30 0.7
PMG 3.96 179 iPd 39 29.00 -0.3
eS 40 15.00
RAB 5.21 77 eP 39 45.00 0.0
eSn 40 48.00
CTA 14.60 183 iPd 41 46.20 1.6
1.1s 1330.38nm 6.3mb
MTN 17.39 244 iPc 42 17.10 -0.3
0.3s 321.00nm 6.2mb
GUA 18.97 353 eP 42 34.60 0.6
0.8s 149.25nm 5.6mb
GUMO 19.02 353 eP 42 34.40 -0.1
0.7s 187.50nm 5.7mb
PJG 19.02 353 eP 42 34.20 -0.3
WB2 19.02 220 iPd 42 34.40 -0.1
0.8s 384.90nm 6.0mb
eS 45 57.70
RMQ 21.00 176 iPd 42 55.80 1.5
0.8s 295.00nm 5.9mb
i 43 14.00 86kmX
OLP 21.21 187 iPc 42 57.70 1.4
0.5s 225.00nm 6.0mb
ASPA 22.14 214 iPd 43 07.40 2.0
0.6s 239.00nm 5.9mb
i 43 12.90 20kmX
iS 46 53.90
DZM 24.99 133 iPd 43 32.00 -0.4
ARMA 25.22 171 iPd 43 35.20 0.7
0.5s 80.00nm 5.6mb
i 43 37.00 6kmX
CMS 25.95 182 iPc 43 41.00 0.1
STK 26.82 190 eP 43 48.30 -0.5
0.5s 10.10nm 4.8mb
e 44 02.60 59kmX
e 44 33.50
PLP 27.50 307 ePc 43 54.00 -1.0
WARB 28.42 221 iPd 44 04.00 0.7

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      0.4s    34.00nm             5.4mb
BWA   28.88 178 iPd    44 10.10   2.8
CAN   29.80 177 iPd    44 15.20  -0.2
CNB   29.82 176 iPd    44 15.90   0.4
      1.0s    40.00nm             5.1mb
MBL   30.71 237 eP     44 22.70  -0.7
      0.4s    56.00nm             5.6mb
FORT  30.92 213 eP     44 25.00  -0.2
BFD   31.87 187 iPd    44 31.80  -1.6
      0.7s    86.00nm             5.5mb
TOO   32.03 182 iPc    44 35.40   0.6
      0.8s    51.00nm             5.2mb
                i      45 53.50 426kmX
MEEK  34.39 229 iPc    44 54.70  -0.5
NANU  34.91 238 eP     44 59.20  -0.4
      0.3s    28.00nm             5.3mb
COOL  35.15 221 eP     45 01.20  -0.3
MRWA  37.73 228 eP     45 23.30   0.1
KLB   37.85 223 iPc    45 23.50  -0.6
      0.3s    33.00nm             5.4mb
BAL   37.99 225 eP     45 25.20  -0.2
MUN   39.14 224 eP     45 34.90   0.1
KAGJ  39.56 338 P      45 39.50   1.3
KUMJ  40.80 339 P      45 48.80   0.5
OZH   40.99 319 Pc     45 50.60   0.6
      0.8s   230.00nm             5.7mb
IIDJ  41.60 349 P      45 55.10   0.2
KAKJ  41.92 352 P      45 57.80   0.4
CHJJ  41.95 350 P      45 57.50  -0.2
TSRJ  42.06 346 P      45 59.10   0.5
SHNJ  42.14 340 P      45 59.30   0.1
MAT   42.57 349 iPc    46 02.60  -0.1
      1.1s   113.92nm             5.3mb
                eS     52 06.00
MTMJ  42.69 349 eP     46 03.70  -0.1
NIIJ  43.11 351 eP     46 07.80   0.7
TCW   43.13 150 P      46 07.30   0.1
KIW   43.19 149 P      46 08.70   0.9
MRW   43.36 149 P      46 08.90  -0.1
CAW   43.45 149 P      46 09.80  -0.1
GZH   43.47 312 iPd    46 12.00   1.8
MTW   43.71 149 P      46 11.50  -0.4
PGZ   43.73 148 P      46 12.20   0.2
MOW   43.78 149 P      46 12.20  -0.3
BLW   43.85 149 P      46 12.80  -0.2
YAMJ  43.87 352 P      46 14.00   0.8
SSE   43.95 327 Pd     46 14.50   0.6
      1.0s   180.00nm             5.5mb
AMW   43.96 149 P      46 13.30  -0.5
OIZ   44.00 304 P      46 15.00   0.5
OFUJ  44.57 354 P      46 19.60   1.0
NJ2   45.96 326 Pd     46 30.80   1.1
      0.8s   190.00nm             5.5mb
AOMJ  46.18 353 P      46 32.70   1.4
IPM   47.07 281 ePc    46 37.70  -1.1
                e      48 08.00 468kmX
WHN   47.55 321 Pc     46 43.50   1.3
      1.0s    97.00nm             5.1mb
HOOJ  47.71 356 eP     46 44.70   1.5
MRRJ  47.94 354 eP     46 45.60   0.7
SNG   48.04 285 eP     46 45.70  -0.5
KUSJ  48.35 358 eP     46 48.60   0.5
ASAJ  49.48 356 eP     46 58.10   1.4
TIA   50.04 328 Pc     47 01.10  -0.1
      0.9s   180.00nm             5.6mb
GYA   50.38 311 P      47 04.80   0.8
SNY   51.69 338 iPc    47 13.40  -0.1
      1.0s    36.00nm             4.9mb
MDJ   52.24 344 eP     47 16.80  -0.7
      1.0s    41.00nm             4.9mb
CN2   52.75 340 eP     47 20.80  -0.5
      1.0s    18.00nm             4.6mb
                PcP    48 26.00
CHG   53.19 298 eP     47 25.10   0.1
                e      48 30.00 302kmX
CHTO  53.19 298 iP     47 23.80  -1.1
      0.6s     6.03nm             4.3mb X
                pP     48 14.10 227km
                PcP    48 29.90
XAN   53.30 320 iPc    47 25.00  -0.6
      1.0s   190.00nm             5.6mb
BJI   53.45 331 ePc    47 26.50   0.1
      1.6s   210.00nm             5.5mb
                PcP    48 30.00
TIY   53.68 326 Pc     47 28.00  -0.3
      1.0s    49.00nm             5.0mb
    Z 30s      0.63um             4.5MszX
CD2    54.94 314 eP     47 37.50   0.0
       0.6s    14 00nm            4.8mb
HHC    56.40 328 Pc     47 47.60  -0.2
       0.8s   100.00nm            5.5mb
BTO    57.05 327 P      47 52.00  -0.3
LZH    57.84 319 iPc    47 58.20   0.2
       1.5s   230.00nm            5.6mb
                 pP     48 47.50 218km
PET    59.04   8 iPd    48 06.00   0.2
       1.0s    50.00nm            5.2mb
                 e      55 50.00
SHL    61.79 303 iPc    48 24.50  -0.5
GTA    62.36 320 iPc    48 28.80   0.2
       1.0s    90.00nm            5.5mb
CIT    63.93 338 eP     48 39.50   1.0
LSA    63.97 307 iPc    48 39.60  -0.1
       0.6s    10.00nm            4.8mb
MGD    65.39   2 eP     48 47.00  -0.5
       0.6s    60.00nm            5.5mb
ZAK    67.18 331 iPc    48 59.30   0.2
       0.8s   113.00nm            5.6mb
GUN    67.63 303 P      49 01.30  -1.5
PKI    67.91 303 P      49 03.20  -1.3
IRK    67.98 333 eP     49 04.00  -0.1
       1.1s    79.00nm            5.4mb
KKN    68.09 303 P      49 04.10  -1.4
DMN    68.18 302 P      49 05.00  -1.1
BOD    68.44 342 iPc    49 06.80   0.1
       0.9s    92.00nm            5.5mb
YAK    68.57 351 iPc+   49 07.60   0.2
       1.3s   214.00nm            5.7mb
                 iPS    57 54.00
GKN    68.70 303 P      49 07.60  -1.5
MOY    69.13 331 iPc    49 12.00   1.0
       1.0s   135.00nm            5.6mb
HYB    71.35 290 eP     49 23.50  -1.6
WMQ    72.42 319 Pc     49 30.00  -1.0
       1.0s    52.00nm            5.2mb
ANM    78.14  19 eP     50 04.30   1.5
PRZ    78.20 315 eP     50 05.00   1.2
       1.2s   150.00nm            5.6mb
KSH    79.04 312 P      50 10.50   2.1
SVW    79.68  25 ePc    50 12.70   1.5
SEM    79.73 323 iPc    50 11.30  -0.3
       1.3s    50.00nm            5.1mb
                 e      53 16.00
TTA    80.49  23 eP     50 16.60   1.1
       1.2s    31.10nm            4.9mb
KHO    81.92 309 eP     50 23.00  -0.6
PMR    82.65  26 eP     50 26.50  -0.1
       1.0s    29.80nm            5.0mb
MAW    82.81 203 iPd    50 27.60   0.3
       0.9s    12.00nm            4.6mb
IMA    82.99  21 ePc    50 29.60   1.2
       1.3s    35.00nm            4.9mb
TOA    84.14  26 eP     50 35.70   1.5
SPA    84.61 180 iPc    50 35.80  -0.8
       0.8s    12.50nm            4.7mb
                 e      51 28.10 214km
FBA    84.62  23 ePc    50 36.10  -0.3
       0.9s    28.00nm            5.0mb
NRI    84.63 342 iPc    50 35.00  -1.3
       1.1s    61.00nm            5.3mb
BRW    84.84  16 eP     50 39.00   1.6
MBC    96.08  14 eP     51 29.50  -0.5
YKA    98.63  28 eP     51 40.80  -0.8
       1.0s     1.70nm            4.4mb
KAF   108.81 335 iPdiff52 25.80  -1.2
       0.6s     3.30nm            5.7mb
NB2   115.46 338 PKP    56 42.40  -1.4
       0.9s     3.90nm
BRG   120.27 328 iPKPd  56 52.80  -0.4
       0.8s    20.00nm
PRU   120.42 327 ePKP   56 53.00  -0.5
CLL   120.53 328 iPKPd  56 53.20  -0.4
       0.8s    17.00nm
                 e      58 23.00
KHC   121.41 326 ePKP   56 55.00  -0.5
GEC2  121.49 326 PKP    56 53.00  -2.7X
       0.7s     8.40nm
MOX   121.62 328 ePKP   56 55.60  -0.2
VBY   122.26 322 ePKP   56 57.00  -0.1
GRF   122.38 328 iPKPd  56 57.00  -0.3
EKA   124.82 340 PKP    57 02.00   0.2
       0.8s    11.50nm
CDF   125.23 328 ePKP   57 01.60  -1.4
       0.8s     4.85nm
BSF   125.84 328 ePKP  57 03.10  -1.1
       0.9s    26.55nm
HAU   125.97 328 ePKP  57 03.40  -0.9
       0.8s    25.00nm
DMU   127.25 341 ePKP  57 06.20  -0.3
LPL   127.29 326 ePKP  57 06.50  -0.7
LPG   127.29 326 ePKP  57 06.60  -0.7
       0.8s     9.65nm
DLF   127.63 340 ePKP  57 06.80  -0.4
       1.0s   128.00nm
PGF   127.65 321 ePKP  57 06.90  -0.9
       1.1s    37.35nm
LOR   127.73 329 ePKP  57 07.10  -0.6
       1.0s    13.80nm
DCN   127.84 341 ePKP  57 07.30  -0.4
LBF   127.85 329 ePKP  57 07.10  -0.9
       0.9s    11.95nm
SBF   127.86 324 ePKP  57 07.10  -1.0
       1.2s    56.85nm
SSF   128.05 329 ePKP  57 07.80  -0.5
       0.9s    13.10nm
SMF   128.15 328 ePKP  57 07.80  -0.7
       0.9s    16.70nm
AVF   128.31 329 ePKP  57 07.90  -0.9
       0.8s     6.45nm
FRF   128.50 324 ePKP  57 08.50  -0.8
       0.8s    12.20nm
LMR   128.71 324 ePKP  57 08.90  -0.8
       0.9s    11.30nm
BGF   128.72 329 ePKP  57 09.20  -0.4
       0.8s    17.85nm
LRG   128.73 324 ePKP  57 09.20  -0.5
       0.8s    22.30nm
BCAO  128.75 271 iPKPc 57 10.40  -0.2
       0.8s    14.00nm
LDF   128.75 333 ePKP  57 08.80  -0.8
       1.0s    17.60nm
FLN   128.79 333 ePKP  57 08.80  -0.8
       0.9s    16.05nm
TCF   129.23 329 ePKP  57 10.30  -0.3
       0.7s    18.65nm
GRR   129.24 333 ePKP  57 10.10  -0.4
       0.9s    16.85nm
LPF   129.58 333 ePKP  57 10.90  -0.2
       0.9s    27.20nm
LSF   129.60 329 ePKP  57 10.70  -0.6
       0.7s     8.95nm
MFF   130.19 331 ePKP  57 12.70   0.3
       1.2s    18.15nm
CAF   130.22 328 ePKP  57 12.50   0.0
       0.8s     7.95nm
LPO   130.84 328 ePKP  57 13.90   0.2
       0.8s    15.60nm
LFF   130.90 329 ePKP  57 13.80   0.0
       0.8s    10.35nm
CNCB  138.89 123 PKP   57 22.00  -8.4X
LPB   138.93 123 ePKP  57 29.00  -1.2
ZOBO  139.02 122 PKP   57 21.00  -9.7X
TOV   143.20  81 ePKP  57 34.50  -2.9X
AVE   143.51 323 iPKP  57 35.00  -2.3X
SIV   144.93 128 PKPc  57 39.00  -1.3
TIO   145.01 320 iPKPd 57 40.00  -0.2
PPD   147.30 147 ePKP  57 45.10   1.1
PAG   149.88  67 ePKP  57 52.00   3.8X
MGG   150.24  67 ePKP  57 52.50   3.9X
DEG   150.36  66 ePKP  57 53.00   4.1X
KIC   151.97 273 PKP   57 58.30   7.0X
TIC   152.24 274 PKP   57 58.80   7.1X
LIC   152.25 273 PKP   57 58.60   6.9X
        S.D. = 0.9  on 164 of 175 obs.
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    JUN 05, 1992  12h 52m 19.57± 0.44s
    41.997 N ± 4.7km  142.503 E ± 6.4km
    DEPTH =  71.6 ±  4.5 km
    4.6mb ( 25 obs.)
 HOKKAIDO, JAPAN  REGION          (224)

HOOJ     0.70  56 iP+   52 34.40  -0.3
                  S     52 45.30
MRRJ     1.15 292 iPd   52 40.00  -0.2
                  eS    52 55.10
SAP      1.37 321 iP    52 43.10  -0.1
                  iS    53 00.80
KUSJ     1.97  55 iPd   52 50.80  -0.6
                  eS    53 14.10
ASAJ     2.12   3 iPd   52 54.10   0.6
                  eS    53 20.50
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05d 12h

AOMJ 2.15 229 P 52 54.60 0.7
S 53 20.90
OFUJ 2.98 193 P 53 04.60 -0.9
eS 53 40.50
YAMJ 4.26 207 P 53 23.80 0.4
NIIJ 5.47 211 P 53 40.30 0.0
KAKJ 6.06 198 P 53 45.30 -3.2X
eS 54 52.50
MAT 6.38 213 eP 53 53.00 -0.1
0.7s 10.96nm 4.4mb
(S) 55 09.00
MTMJ 6.52 216 P 53 55.90 0.9
CHJJ 6.54 206 P 53 53.50 -1.7
IIDJ 7.43 210 P 54 08.50 1.0
TSRJ 8.22 220 P 54 20.00 1.7
BJI 19.94 273 eP 56 45.00 -3.1X
1.2s 33.00nm 4.5mb
IMA 42.03 33 eP 00 04.16 -1.0
0.7s 1.57nm 3.9mb
CHTO 43.50 251 iPc 00 18.20 0.7
0.6s 4.63nm 4.5mb
i 00 23.30
pP 00 32.20 53kmX
FBA 44.50 35 eP 00 24.95 -0.2
0.8s 6.90nm 4.5mb
GUN 47.68 272 P 00 56.80 5.7X
KKN 48.19 272 P 08 54.40 -8.5
0.8s 47.00nm 5.5mb
PKI 48.21 272 P 00 54.20 -1.0
DMN 48.42 272 P 00 56.00 -0.7
0.6s 15.00nm 5.1mb
GKN 48.55 273 P 00 56.80 -0.8
0.6s 14.00nm 5.1mb
MBC 51.54 18 eP 01 19.00 -0.6
YKA 59.13 32 eP 01 59.50 -15.0X
0.9s 4.10nm
HYB 59.28 266 eP 02 15.50 -0.7
WB2 62.09 189 iPc 02 33.50 -1.5
1.2s 3.30nm 4.3mb
WRA 62.09 189 P 02 34.20 -0.8
0.4s 1.60nm 4.5mb
KAF 64.31 332 iP 02 47.70 -1.5
0.6s 4.50nm 4.6mb
NUR 65.99 331 iP 02 58.70 -1.2
0.5s 5.80nm 4.8mb
NB2 69.95 337 P 03 23.90 -0.8
0.6s 2.70nm 4.4mb
TNP 72.27 55 eP 03 40.50 1.2
0.8s 1.76nm 4.0mb
RSSD 75.60 43 eP 03 59.20 0.8
0.7s 1.38nm 4.0mb
PV10 76.90 50 eP 04 07.30 1.4
CLL 77.21 330 iP 04 07.00 0.0
0.8s 8.00nm 4.7mb
PRU 77.69 329 eP 04 16.50 6.8X
KHC 78.76 329 eP 04 16.50 0.9
GEC2 78.94 328 P 04 14.80 -1.8
0.7s 1.11nm 3.9mb
LOR 83.85 333 eP 04 42.60 0.3
0.7s 4.85nm 4.6mb
LBF 84.06 333 eP 04 43.70 0.3
0.8s 4.85nm 4.6mb
SSF 84.15 333 eP 04 44.30 0.5
0.7s 3.30nm 4.5mb
LPG 84.36 330 eP 04 53.80 8.6X
0.9s 5.10nm 4.6mb
SMF 84.40 333 eP 04 46.30 1.2
0.8s 5.10nm 4.6mb
AVF 84.44 333 eP 04 45.80 0.6
0.7s 8.50nm 4.9mb
CAF 86.51 333 eP 04 57.10 1.5
0.9s 15.40nm 5.1mb
LFF 86.94 334 eP 04 58.40 0.8
0.8s 9.00nm 5.0mb
LPO 87.02 333 eP 04 59.30 1.3
SIV 147.10 45 PKP 11 57.00 3.2X
S.D. = 1.0 on 42 of 49 obs.

% JUN 05, 1992 14h 09m 37.67± 0.60s
41.131 N ± 6.3km 28.508 E ± 4.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

CTT 0.06 286 iPg 09 39.40 -0.6
ISK 0.42 99 iPg 09 46.10 -0.2
eSg 09 51.60
YLV 0.86 130 ePg 09 54.60 0.2
eSg 10 06.60
KCT 0.89 187 iPg 09 54.60 -0.1
eSg 10 07.60
DMK 0.89 321 iPg 09 55.00 0.2
eSg 10 07.00
BNT 0.89 210 iPg 09 55.10 0.3
eSg 10 09.10
HRT 0.93 109 iPg 09 55.70 0.2
eSg 10 08.60
IZI 1.08 137 iPg 09 57.70 -0.3
S.D. = 0.4 on 8 of 8 obs.

% JUN 05, 1992 14h 51m 42.07± 0.86s
39.101 N ± 7.2km 27.627 E ± 8.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.76 202 iPg 51 56.70 -0.2
iSg 52 07.70
DST 0.93 57 iPn 52 00.50 0.7
EZN 1.24 306 ePn 52 05.60 0.5
BNT 1.27 10 iPn 52 05.60 -0.1
KCT 1.28 26 ePn 52 05.10 -0.7
KGT 1.37 350 ePn 52 07.00 -0.2
S.D. = 0.7 on 6 of 6 obs.

JUN 05, 1992 15h 03m 55.88± 0.36s
9.300 S ± 6.2km 120.353 E ± 9.8km
DEPTH = 21.6km (3 depth phases)
4.9mb (16 obs.)
SUMBA REGION, INDONESIA (287)

MTN 11.15 109 eP 06 31.00 -6.1X
0.4s 146.00nm 6.6mb X
eS 08 28.00
MBL 11.80 182 eP 06 41.50 -4.5X
0.3s 12.00nm 5.6mb
eS 08 47.00
NANU 13.98 199 eP 07 13.00 -1.9
0.3s 4.00nm 4.7mb
eS 09 40.00
WB2 17.17 130 iPc 07 51.50 -4.7X
0.3s 15.90nm 4.6mb
eS 10 49.30
WARB 17.82 161 eP 08 03.00 -1.2
CGP 18.16 14 eP 08 08.50 0.1
ASPA 19.28 139 iPd 08 21.20 -1.0
1.1s 44.60nm 4.6mb
eS 11 42.70
MRWA 20.23 191 iPc 08 33.50 1.1
eS 12 07.00
BAL 21.47 189 eP 08 46.00 0.9
eS 12 40.00
COOL 21.49 178 eP 08 45.00 -0.3
eS 12 35.50
QIS 21.68 123 iPc 08 46.10 -1.2
0.6s 38.00nm 5.0mb
iS 12 36.00
PGP 22.66 2 eP 08 59.00 2.0
MUN 22.89 189 eP 09 00.40 1.2
eS 13 10.60
TGY 23.26 1 eP 09 05.00 2.2
IPM 23.69 305 ePc 09 08.20 1.1
SNG 25.59 309 eP 09 27.60 2.3
CTA 27.21 116 eP 09 39.90 -0.4
0.8s 46.64nm 5.2mb
STK 29.88 142 iPc 10 04.10 -0.1
0.5s 6.90nm 4.7mb
RMO 31.86 126 eP 10 22.00 0.2
CMS 32.36 137 eP 10 26.00 0.0
CHG 35.02 323 eP 10 50.20 1.0
e 13 22.10
CHTO 35.02 323 eP 10 49.20 0.1
1.1s 10.60nm 4.7mb
pP 10 56.80 26km
ARMA 35.94 130 iPc 10 59.10 2.1X
CD2 43.03 339 eP 11 56.60 0.8
0.8s 16.00nm 4.8mb
XAN 44.45 346 eP 12 06.50 -0.7
DZM 45.98 112 iPd 12 20.20 0.6
TIY 47.35 351 eP 12 30.40 0.2
LZH 47.75 342 eP 12 33.60 0.1
1.5s 23.00nm 5.0mb
pP 12 39.00 18km
LSA 47.90 325 iPd 12 35.00 -0.1
MAT 48.59 19 eP 12 36.00 -3.8X
HYB 49.10 303 ePc 12 42.80 -1.2
GUN 49.81 319 P 12 48.20 -1.5
0.6s 29.00nm 5.5mb
PKI 49.89 318 P 12 48.40 -1.9
0.4s 14.00nm 5.3mb
DMN 50.11 318 P 12 50.20 -1.7
KKN 50.12 318 P 12 50.00 -1.9
GKN 50.68 318 P 12 54.20 -1.9
0.4s 18.00nm 5.4mb
GTA 52.08 340 P 13 06.00 -0.6
1.2s 12.00nm 4.7mb
pP 13 12.40 21km
POO 53.57 301 iPc 13 20.00 2.2
CSY 57.31 185 iPd 13 45.20 1.1
0.5s 9.60nm 5.1mb
WMQ 60.61 333 eP 14 05.50 -1.9
QUE 64.58 310 eP 14 32.40 -1.9
SPA 80.76 180 iPd 16 11.50 2.5
0.7s 8.59nm 4.9mb
YKA 113.91 25 ePKP 22 33.00 -1.4
0.8s 0.70nm
KIC 125.57 271 PKP 22 59.20 1.0
LIC 125.84 271 PKP 22 59.80 1.1
TIC 125.88 271 PKP 22 59.80 1.0
PPD 147.81 195 (PKP) 23 43.00 4.5X
CNCB 152.78 162 iPKPc 23 57.00 10.2X
S.D. = 1.4 on 41 of 48 obs.

JUN 05, 1992 15h 11m 26.57± 0.70s
26.854 S ± 7.2km 26.547 E ± 6.8km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
mbLg 3.6 (BUL).

BFS 0.22 102 eP 11 32.10 1.1
PRY 0.83 95 ePc 11 41.70 -1.5
S 11 49.90
SWZ 1.14 253 eP 11 54.20 5.8X
S 12 12.50
VIR 1.25 167 iPd 11 52.40 2.0
S 12 07.20
BPI 1.49 63 eP 11 55.10 0.9
SEK 1.75 147 iP 12 00.30 2.4X
SLR 1.92 55 iPc 12 02.10 1.8X
S 12 24.40
BLF 2.27 188 eP 12 08.40 3.0X
FRS 3.08 200 iPd 12 19.40 2.7X
S 12 55.60
JDZ 4.96 98 eP 12 41.70 -1.9
S 13 33.80
GRM 6.44 180 eP 13 03.60 -0.8
S 14 11.80
BUL 6.94 16 iPn 13 13.00 1.4
iSn 14 26.50
iSg 15 01.00
SUR 7.43 221 eP 13 19.00 0.5
S 14 40.60
CER 9.03 222 eP 13 39.80 -0.8
S 15 16.20
WIN 9.59 294 eP 13 48.00 -0.5
S 15 32.10
KRI 10.37 17 iPn 13 59.00 -0.3
iSn 15 48.20
iSg 16 48.00
S.D. = 1.4 on 11 of 16 obs.

? JUN 05, 1992 15h 17m 19.40± 1.77s
6.522 S ±20.4km 147.438 E ±14.6km
DEPTH = 76.3 ± 14.7 km
4.0mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.43 103 eP 17 32.30 0.0
LAT 0.45 253 iPc 17 32.50 0.0
YYYY 1.49 281 eP 17 45.00 0.0
PMG 2.88 186 eP 18 04.00 0.0
eS 18 40.00
ASPA 21.45 216 eP 22 03.20 0.0
0.6s 4.20nm 4.0mb
S.D. = 0.1 on 5 of 5 obs.

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* JUN 05, 1992 15h 37m 42.51± 0.95s
38.608 N ± 8.1km 21.626 E ±12.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 3.1 (TIR). MD 3.2 (ATH).

VLS 0.92 242 ePg 37 59.80 -0.3

```
KZN      1.70   4 ePb    38 11.70  -0.7
LSK      1.73 333 ePn    38 13.00   0.1
                  iSn    38 37.80
SRN      1.79 316 ePn    38 18.60   5.0X
KEK      1.80 308 ePg    38 18.50   4.7X
TPE      2.10 324 ePn    38 22.40   4.3X
VLI      2.15 151 ePb    38 19.20   0.2
OHR      2.58 346 ePn    38 27.70   2.6X
VAY      2.81  15 ePn    38 27.00  -1.2
TIR      3.05 334 ePn    38 37.40   5.8X
SKO      3.36 358 ePn    38 38.00   1.9
     S.D. = 1.4  on    6 of   11 obs.
-------------------------------------------
% JUN 05, 1992  16h 43m 45.28± 2.79s
   45.986 N ±23.2km     2.949 E ± 9.1km
   DEPTH =  10.0km  (geophysicist)
 FRANCE                             (538)
     ML 1.9 (LDG).

MAF      0.36 312 Pg     43 52.50  -0.1
                  Sg     43 57.40
BGF      0.58 353 Pg     43 57.20   0.2
                  Sg     44 04.50
TCF      0.60 301 Pg     43 57.00  -0.4
                  Sg     44 05.10
SMF      0.90  43 Pg     44 02.50  -0.1
                  Sg     44 13.90
LSF      1.02 285 Pg     44 04.90   0.3
                  Sg     44 18.60
     S.D. = 0.4  on    5 of    5 obs.
-------------------------------------------
*  JUN 05, 1992  17h 07m 11.98± 1.10s
   21.470 S ± 9.5km   68.399 W ±13.2km
   DEPTH = 130.6 ± 11.2 km
   4.9mb (  4 obs.)
 CHILE-BOLIVIA BORDER REGION        (124)

ANT      2.90 220 iP     07 56.80  -1.1
                  iS     08 30.70
CCH      4.59  28 iPc    08 23.00   2.2
CNCB     4.65   5 iPc    08 25.20   3.3X
LPB      4.92   3 iPc    08 28.90   3.5X
ZOBO     5.16   3 iPc    08 31.20   2.3
ARE      5.78 329 eP     08 35.00  -2.0
                  iS     09 37.30
SIV      8.82  53 P      09 14.20  -3.7X
PPD     15.89  95 eP     10 48.50  -1.1
                  e      10 50.90
BIM     36.48  12 eP     14 05.33  -0.9
MVM     36.55  12 eP     14 05.45  -1.4
FDF     36.67  12 eP     14 07.69  -0.2
CRM     36.74  12 eP     14 07.26  -1.1
LIC     67.92  74 Pc     17 58.00  -1.0
TIC     68.11  73 P      17 59.20  -1.0
KIC     68.24  74 Pc     18 00.10  -0.8
        0.6s     49.00nm          5.5mb
SPA     68.66 180 iPd    18 04.30   1.3
        0.8s     17.50nm          5.0mb
MAW     84.22 163 iP     19 30.80   1.3
        0.9s     10.00nm          4.7mb
YKA     91.32 340 eP     20 04.50   1.1
        0.5s      3.40nm          4.8mb
ASPA   130.16 207 iPKPd  26 09.00   0.3
        1.5s      6.40nm
WB2    133.21 210 iPKPd  26 15.40   0.8
        0.4s      4.90nm
WRA    133.22 210 PKP    26 15.90   1.3
        0.5s      1.50nm
     S.D. = 1.5  on   18 of   21 obs.
-------------------------------------------
   JUN 05, 1992  17h 24m 37.99± 1.05s
    5.422 N ± 5.8km   77.365 W ± 6.9km
   DEPTH =  76.0 ±  9.9 km
   4.7mb ( 14 obs.)
 NEAR WEST COAST OF COLOMBIA        (102)

BOG      3.38 103 eP     25 31.00   1.2
                  eS     26 13.00
BMG      4.57  69 iPc    25 46.00  -0.3
SDV      7.51  62 eP     26 25.90  -1.3
                  iS     27 52.30
TOV      8.67  60 eP     26 42.80  -0.2
                  i(S)   28 20.90
NNA     17.30 178 iP     28 37.70   1.5
        0.7s     61.64nm          4.9mb
ARE     22.51 165 eP     29 31.00  -1.7
CNCB    23.96 157 P      29 46.80  -0.3
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```
SIV     26.70 143 P      30 08.40  -3.7X
PRM     28.89 351 eP     30 32.77   1.0
JSC     28.94 353 eP     30 32.78   0.6
GBTN    30.75 349 eP     30 48.94   0.7
OLY     32.64 338 eP     31 03.90  -0.8
FVM     34.53 342 eP     31 20.17  -0.9
        0.7s     20.68nm          5.2mb
CCM     34.85 341 iP     31 23.06  -0.8
        0.7s     16.37nm          5.1mb
MEO     35.19 329 iPc    31 25.70  -1.1
OCO     35.22 331 iPc    31 27.50   0.5
ALQ     39.80 321 iP     32 06.58   0.9
        0.8s      6.26nm          4.6mb
EEO     41.09 358 eP     32 19.00   3.2X
LMN     41.73  13 ePd    32 24.90   3.9X
SRU     44.98 323 eP     32 47.54  -0.2
RSSD    45.10 333 ePd    32 48.70   0.1
        1.1s     11.80nm          4.6mb
EMUT    45.60 324 eP     32 52.64   0.0
DAU     46.24 324 eP     32 58.13   0.3
DUG     47.03 323 eP     33 03.97   0.1
        0.6s      3.48nm          4.5mb
ULM     47.31 344 ePd    33 06.00   0.3
HVU     47.99 324 eP     33 11.10  -0.3
PTI     48.46 326 eP     33 14.86  -0.1
TNP     48.64 318 eP     33 16.53   0.0
        0.8s      3.34nm          4.4mb
BONR    49.31 317 eP     33 22.47   0.7
HPI     49.41 326 eP     33 22.87   0.5
LRM     50.45 329 eP     33 30.20   0.0
NEW     54.46 328 eP     33 59.00  -0.9
        1.0s     10.00nm          4.8mb
FCC     54.76 349 ePc    34 02.40   0.6
LON     56.16 325 eP     34 11.81  -0.4
YKA     63.18 342 eP     34 58.00  -2.0
        0.6s      6.70nm          4.8mb
TIC     71.90  85 P      35 55.00  -0.5
LIC     71.91  85 P      35 55.20  -0.4
KIC     72.19  85 P      35 57.00  -0.3
        0.9s     13.00nm          4.9mb
BALM    73.32 333 eP     36 03.91   0.7
MBC     74.44 350 eP     36 09.00  -0.2
        0.5s      2.00nm          4.3mb
EKA     76.59  34 Pd     36 20.90  -0.9
        1.6s     36.70nm          5.1mb
NB2     84.61  29 P      37 05.60   1.5
        0.9s      2.90nm          4.3mb
CLL     86.04  39 eP     37 13.00   1.6
                  e      37 21.00
KHC     86.56  41 eP     37 16.00   1.9
                  e      37 26.00
GEC2    86.66  41 Pd     37 15.40   0.7
        1.0s      2.98nm          4.3mb
BRG     86.66  39 e(P)   37 15.00   0.5
PRU     87.12  40 eP     37 16.00  -0.7
                  e      37 26.00
GKN    142.51  27 PKP    43 59.60  -5.2X
KKN    142.97  26 PKP    44 01.20  -4.4X
DMN    143.05  26 PKP    44 01.40  -4.4X
GUN    143.13  25 PKP    44 02.00  -4.1X
        0.6s     21.00nm
PKI    143.22  26 PKP    44 01.80  -4.4X
ASPA   144.86 236 iPKPd  44 05.90  -2.8X
        0.7s     32.70nm
WB2    145.95 242 iPKPc  44 09.70  -0.9
        0.7s     12.40nm
WRA    145.96 242 PKP    44 09.90  -0.7
        0.6s      4.30nm
     S.D. = 0.9  on   46 of   55 obs.
-------------------------------------------
   JUN 05, 1992  17h 38m 40.76± 0.96s
   39.258 N ± 7.6km   20.793 E ± 8.0km
   DEPTH =  20.0 ±  8.3 km
 GREECE-ALBANIA BORDER REGION       (392)
     ML 3.5 (TIR).

SRN      0.87 316 iPgd   38 58.20   1.1
                  iSg    39 08.60
KEK      0.89 301 eP     38 56.80  -0.7
LSK      0.90 351 ePg    38 55.40  -2.3
                  iSg    39 07.60
VLS      1.09 188 eP     39 01.00   0.2
                  eS     39 21.50
KZN      1.29  35 eP     39 02.60  -1.2
OHR      1.85   0 iPn    39 13.50   1.7
                  iSn    39 37.50
LCI      2.44 297 P      39 23.50   3.4X
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                  eSn    39 53.00
PHP      2.44 354 ePn    39 21.50   1.3
                  iSn    39 55.00
VAY      2.47  33 iPn    39 20.40  -0.2
SKO      2.76  10 ePn    39 25.40   0.7
                  i      39 29.50
SDA      2.93 341 ePn    39 36.20   9.2X
BRT      3.19 302 P      39 31.00   0.0
ROI      3.29 277 P      39 31.50  -0.8
ORI      3.45 285 P      39 34.00  -0.5
                  eSn    40 15.00
CSI      3.52 280 P      39 26.40  -9.2X
CZI      3.62 271 P      39 37.60   0.6
     S.D. = 1.3  on   13 of   16 obs.
-------------------------------------------
*  JUN 05, 1992  17h 46m 09.92± 1.60s
   51.452 N ±15.5km   16.039 E ± 8.5km
   DEPTH =  10.0km  (geophysicist)
 POLAND                             (548)
     ML 3.5 (VIE).

KSP      0.63 165 iPd    46 22.50  -0.1
       0.2s     94.00nm
                  i      46 25.40
                  iS     46 31.90
                  i      46 35.80
BRG      1.44 247 iPg    46 37.40   1.4
                  iSg    46 56.70
PRU      1.75 214 Pn     46 40.80   0.4
       0.3s     39.30nm
                  Pg     46 42.80
                  e      46 46.20
                  Sn     46 59.40
                  Sg     47 06.40
                  e      47 13.30
PRU      1.75 214 Pn     46 55.50  15.1X
                  Pg     47 05.50
                  e      47 31.00
                  Sg     47 40.50
CLL      1.91 267 iPn    46 41.80  -1.0
                  iPg    46 45.00
                  iSg    47 10.00
OJC      2.68 116 eP     46 54.10   0.2
                  iS     47 36.30
KHC      2.81 215 Pn     46 55.50  -0.2
                  Pg     47 05.50
                  e      47 31.00
                  Sg     47 40.50
HOF      2.87 248 iPnc   47 05.80   9.2X
MOX      2.91 256 ePg    47 05.00   7.9X
                  iSg    47 43.00
VKA      3.20 177 iPgc   47 10.40   9.2X
                  iSg    47 55.30
KBA      4.72 203 i(Pn)  47 22.40  -0.6
                  i      47 34.20
                  i      48 24.80
                  i(Sg)  48 43.10
     S.D. = 0.9  on    7 of   11 obs.
-------------------------------------------
?  JUN 05, 1992  19h 01m 54.96± 0.72s
   12.150 S ±13.0km   75.255 W ± 8.8km
   DEPTH =  33.0km  (normal)
   4.3mb (  3 obs.)
 CENTRAL PERU                       (116)

NNA      1.56 276 iPd    02 20.70  -0.1
       0.6s    600.00nm
                  eS     03 13.50
ARE      5.63 140 eP     03 33.00  14.2X
ZOBO     8.04 122 P      03 59.00   6.0X
   Z   20s      0.91um
                  LR     18 42.00
LPB      8.19 123 P      04 08.00  13.1X
   Z   20s      1.42um
                  LR     18 48.00
CNCB     8.43 124 P      04 08.20   9.8X
CCH     10.23 122 eP     04 35.00  12.0X
SIV     14.28 107 (P)    05 17.00   0.0
BOG     16.70   4 eP     05 48.00  -0.6
BMG     19.22   7 eP     06 12.00  -7.4X
SDV     21.40  13 eP     06 35.90  -6.5X
TOV     22.46  14 eP     06 53.20   0.4
PPD     24.87 116 eP     07 20.30   4.1X
PDCR    35.28  95 eP     08 49.00  -0.1
                  e      08 57.60
LMN     58.49   9 eP     11 58.00   7.8X
KIC     72.47  79 (P)    13 19.40  -1.4
```

05d 19h

YKA 80.45 343 eP 14 04.50 -0.1
0.9s 2 00nm 4.1mb
TOL 83.75 47 eP 14 23 00 0.7
EVIA 84.43 49 eP 14 27.00 1.2
ETOR 85.51 47 iPd 14 34.00 2.9X
MBC 92 00 350 eP 15 04.00 2.9X
1.0s 7.00nm 5.0mb
GEC2 98.35 42 Pc 15 30.70 -0.1
0.7s 0.57nm 4.2mb
NB2 98.82 29 P 15 42.70 10.2X
1.0s 3.10nm
ASPA 134.39 219 ePKP 21 33.20 21.0X
WRA 136.80 223 PKP 21 25.00 8.2X
0.3s 0.60nm
MAT 141.35 315 ePKP 21 32.00 7.3X
Z 20s 0.35um 5.1Msz
BJI 150.44 342 ePKP 21 58 00 18.6X
1.0s 22.00nm
Z 28s 0.76um 5.3MszX
GKN 155.46 47 PKP 22 01.80 14.7X
DMN 156.02 47 PKP 22 02.40 14.4X
KKN 156.04 47 PKP 22 02.20 14.2X
LZH 156.15 2 ePKP 22 25.50 37.7X
Z 34s 0.78um 5.3MszX
PKI 156.26 47 PKP 22 02.80 14.3X
GUN 156.39 46 PKP 22 02.40 13.8X
S.D. = 0.8 on 10 of 32 abs.

? JUN 05, 1992 20h 33m 44.27± 1.14s
3.416 S ±16.8km 134.370 E ±30.4km
DEPTH = 33.0km (normal)
4.8mb (5 obs.)
IRIAN JAYA REGION, INDONESIA (196)

WB2 16.43 180 iPc 37 33.00 -1.1
0.6s 8.20nm 4.0mb
eS 40 28.70
WRA 16.43 180 P 37 17.10 -17.0X
1.0s 0.40nm
ASPA 20.14 181 iPd 38 19.20 0.6
0.6s 78.50nm 5.2mb
eS 41 38.50
CTA 20.22 146 iPc 38 20.00 0.5
0.9s 129.83nm 5.3mb
CHG 41.28 304 eP 41 29.40 1.0
CHTO 41.28 304 eP 41 28.90 0.5
1.1s 3.83nm 4.0mb
LZH 48.56 327 eP 42 25.50 -1.2
1.5s 23.00nm 5.0mb
QUE 72.41 303 eP 45 09.50 -0.3
CNCB 150.14 133 PKP 53 37.80 8.1X
LPB 150.24 132 ePKP 53 39.00 9.3X
ZOBO 150.37 132 PKPc 53 37.30 7.1X
S.D. = 1.1 on 7 of 11 obs.

& JUN 05, 1992 20h 49m 06.10s
32.710 N 115.459 W
DEPTH = 15.7km
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.0 (PAS).

GLA 0.63 57 iPd 49 17.27 -1.1
PLM 1.34 299 eP 49 28.05 -2.3
eS 49 48.25
PEC 1.85 310 (Pn) 49 37.89 0.4
SSK 2.39 309 (P) 49 46.05 0.6
ARUT 5.33 17 (P) 50 33.10 6.0
5 abs. associated

& JUN 05, 1992 21h 02m 26.86s
63.209 N 150.619 W
DEPTH = 128.0km
CENTRAL ALASKA (1)
<AEIC>.

TRF 0.29 31 iP 02 44.79 1.4
KTH 0.37 339 eP 02 45.00 -0.4
eS 02 58.87
HUR 0.50 117 eP 02 45.28 -0.7
eS 03 00.35
RND 0.82 75 eP 02 47.73 -0.6
CUT 0.82 169 eP 02 47.91 -0.3
MCK 0.92 54 eP 02 48.43 -0.7
BWN 1.09 27 iP 02 50.36 -0.4
SKT 1.30 199 eP 02 52.42 -0.6
eS 03 12.51
NEA 1.53 26 eP 02 54.02 -1.5
PWA 1.60 167 P 02 56.00 -0.3
GHO 1.64 151 eP 02 56.08 -0.8
eS 03 19.27
WRH 1.69 40 eP 02 56.03 -1.4
SUA 1.75 182 eP 02 58.36 0.1
eS 03 22.14
SML 1.76 142 eP 02 56.97 -1.3
eS 03 21.97
PLRM 1.76 156 eP 02 57.10 -1.1
PMR 1.76 156 iPc 02 56.70 -1.5
MLY 1.83 358 eP 02 57.73 -1.4
CCB 1.90 39 eP 02 58.54 -1.4
NCG 1.95 202 eP 02 59.97 -0.7
CGLM 2.02 199 eP 03 01.28 -0.2
HDA 2.02 52 eP 03 00.34 -1.1
PMS 2.03 165 eP 03 00.93 -0.7
eS 03 27.24
SCM 2.06 131 eP 03 00.46 -1.5
KNK 2.07 150 eP 03 00.90 -1.1
eS 03 28.12
CRP 2.08 201 iPd 03 01.38 -0.9
CPKM 2.09 202 eP 03 02.47 -0.1
eS 03 29.56
BGL 2.12 204 eP 03 02.30 -0.5
CKN 2.12 201 eP 03 02.76 0.0
SPU 2.14 199 eP 03 02.56 -0.4
CKL 2.17 203 eP 03 03.06 -0.4
GLM 2.28 37 eP 03 03.45 -1.3
BKG 2.28 201 eP 03 04.68 -0.1
TOA 2.33 116 P 03 04.50 -0.9
PAX 2.36 94 eP 03 04.63 -1.1
eS 03 33.88
SDG 2.42 104 eP 03 05.25 -1.3
eS 03 35.43
PTE 2.47 162 eP 03 05.68 -1.4
TTA 2.47 266 ePn 03 05.89 -1.3
TZL 2.67 114 eP 03 09.04 -0.7
SLKM 2.72 176 eP 03 09.33 -1.0
KLU 2.79 126 eP 03 09.23 -2.1
S 03 42.96
DFR 2.80 201 eP 03 11.47 -0.1
VLZ 2.90 134 eP 03 10.25 -2.4
S 03 44.86
REF 2.90 201 eP 03 12.83 -0.1
RS2 2.94 201 eP 03 12.14 -1.3
RSO 2.94 201 eP 03 12.16 -1.2
RS1 2.94 201 eP 03 13.23 -0.2
RED 2.98 201 P 03 13.88 0.0
SVW 3.15 230 eP 03 14.71 -1.4
IMA 3.16 337 ePn 03 13.94 -2.3
SEW 3.17 169 eP 03 14.70 -1.5
NNL 3.19 186 eP 03 16.88 0.3
HIN 3.43 143 eP 03 17.56 -2.2
GLB 3.64 116 eP 03 20.74 -1.8
CNPM 3.71 185 eP 03 22.09 -1.4
TGL 4.42 120 eP 03 30.69 -2.5
KAIM 4.43 135 eP 03 31.64 -1.5
BALM 4.45 116 eP 03 31.17 -2.4
CDD 4.54 200 eP 03 34.69 0.0
58 abs. associated

JUN 05, 1992 21h 29m 01.11± 0.79s
38.622 N ± 7.4km 21.767 E ± 7.7km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.1 (ATH).

AGG 0.59 48 iPg 29 13.25 0.1
eSg 29 22.48
VLS 1.03 245 ePb 29 19.00 -1.5
IGT 1.44 310 ePb 29 27.08 -0.2
eSb 29 48.60
LIT 1.58 21 ePb 29 29.10 -0.1
eSb 29 50.60
KZN 1.68 0 ePb 29 30.70 -0.1
PAIG 1.98 48 ePn 29 34.08 -0.9
eSn 29 58.68
VLI 2.11 154 ePn 29 38.50 1.5
FNA 2.18 352 ePn 29 38.36 0.4
OUR 2.42 44 ePn 29 39.96 -1.4
SOH 2.51 29 iPn 29 42.80 0.1
OHR 2.60 344 ePn 29 46.50 2.6
KNT 2.68 19 ePn 29 45.00 -0.1
VAY 2.77 13 ePn 29 45.70 -0.6
SKO 3.36 356 eP 30 40.00 45.4X
S.D. = 1.2 on 13 of 14 obs.

& JUN 05, 1992 21h 34m 36.40s
33.183 N 118.676 W
DEPTH = 12.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.7 (PAS).

SSK 1.31 38 ePn 34 59.27 -1.3
eS 35 17.15
PEC 1.45 60 eP 35 00.97 -1.5
iS 35 19.18
PLM 1.53 83 eP 35 01.45 -2.3
eS 35 21.13
ABL 1.72 345 eP 35 07.11 0.5
4 obs. associated

& JUN 05, 1992 21h 46m 41.90s
40.273 N 124.552 W
DEPTH = 21.0km
5.0mb (48 obs.) 4.9Msz (19 obs.)
NEAR COAST OF NORTHERN CALIF. (35)
<BRK-P>. ML 4.8 (BRK). Felt (V) at Fortuna and Honeydew. Felt (IV) at Arcata, Bayside, Bridgeville, Carlotta, Ferndale, Fields Landing, Fort Bragg, Miranda, Myers Flat, Phillipsville, Redcrest, Rio Dell, Samoa, Scotia, Whitethorn and Weott. Also felt at Alderpoint, Blue Lake, Eureka, Garberville, Hydesville, Korbel, McKinleyville and Piercy.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 35C
Centroid Location:
Origin Time 21:46:48.5 0.6
Lat 40.45N 0.12 Lon 124.38W 0.13
Dep 21.0 FIX Half-duration 1.5
Moment Tensor; Scale 10**16 Nm
Mrr= 2.14 0.36 Mtt=-1.89 0.50
Mff=-0.25 0.42 Mrt=-6.49 0.61
Mrf= 0.27 0.56 Mtf=-2.01 0.38
Principal Axes:
T Val= 7.20 Plg=51 Azm=198
N -0.20 16 87
P -7.00 34 345
Best Double Couple:Mo=7.1*10**16
NP1:Strike= 27 Dip=18 Slip= 29
NP2: 269 81 106

FHC 0.68 39 eP 46 54.19 -0.9
LTCM 1.86 91 eP 47 11.85 -1.1
NWRM 2.23 144 (P) 47 18.21 0.0
LBFM 2.29 61 iPd 47 18.04 -1.3
ORV 2.45 106 eP 47 19.74 -1.8
DBO 3.01 19 P 47 28.02 -1.4
WMOR 3.01 29 P 47 28.58 -0.9
HSO 3.43 18 P 47 34.27 -1.1
RNO 3.69 9 P 47 38.59 -0.5
ARN 3.75 140 ePnc 47 38.40 -1.6
HBO 3.94 24 P 47 41.74 -0.9
NCOR 4.27 35 P 47 46.60 -0.8
FBO 4.29 19 P 47 46.65 -1.0
MPOR 4.29 10 P 47 47.06 -0.6
TCO 4.41 29 P 47 48.46 -1.0
SSOR 4.83 18 P 47 54.47 -0.9
BPO 4.86 25 P 47 54.28 -1.5
GMO 4.94 31 P 47 55.70 -1.2
KVN 5.13 102 eP 47 57.78 -1.8
VIPM 5.14 33 P 47 58.58 -1.1
TKO 5.16 9 P 48 00.05 0.2
GT2 5.16 18 P 47 59.06 -0.8
BONR 5.38 113 eP 48 02.27 -1.1
CROR 5.39 28 P 48 01.87 -1.3
TDH 5.41 21 P 48 02.42 -1.1
PGO 5.41 16 P 48 02.85 -0.6
KMOR 5.42 8 P 48 03.16 -0.4
PKEM 5.47 139 (P) 48 03.42 -0.9
PHAM 5.51 142 eP 48 02.39 -2.5
VFP 5.53 23 P 48 03.95 -1.3
VLMM 5.58 18 P 48 04.91 -0.9
VLL 5.60 21 P 48 05.25 -0.9
VTHM 5.72 30 Pd 48 06.94 -0.8
APM 5.85 20 P 48 08.81 -0.8
NLO 5.87 8 P 48 09.96 0.1
VGB 5.93 27 eP 48 09.38 -1.3

MTMW 6.00 16 P 48 10.64 -1.1
LVP 6.00 14 P 48 10.52 -1.2
RVW 6.02 12 P 48 10.89 -1.1
GULW 6.05 20 Pc 48 11.42 -1.0
TNP 6.10 109 eP 48 11.66 -1.7
1.6s 11.14nm 4.4mb X
CDFW 6.12 17 P 48 12.46 -0.9
HSR 6.15 16 P 48 13.24 -0.6
SHW 6.15 15 eP 48 12.32 -1.6
REMW 6.17 15 P 48 13.83 -0.4
ESD 6.18 16 P 48 13.57 -0.7
YEL 6.18 15 P 48 13.65 -0.7
BCH 6.19 144 eP 48 10.82 -3.7
JBO 6.24 32 P 48 14.35 -0.7
ASR 6.26 19 P 48 14.12 -1.3
BMW 6.27 8 eP 48 14.82 -0.8
GL2 6.30 24 P 48 15.08 -1.0
TDL 6.31 15 P 48 15.65 -0.5
CZM 6.34 13 P 48 15.58 -0.9
KOSW 6.42 15 P 48 17.44 -0.2
LMW 6.60 14 P 48 20.33 0.1
PATW 6.61 30 P 48 19.55 -0.7
ONR 6.63 5 P 48 20.01 -0.5
GLK 6.64 18 P 48 19.65 -1.2
ISA 6.65 132 ePc 48 20.27 -0.7
1.0s 237.44nm 6.1mb X
LON 6.77 16 eP 48 21.31 -1.3
CPW 6.78 8 P 48 21.31 -1.4
WPW 6.78 18 P 48 21.06 -1.8
REMR 6.83 16 P 48 22.71 -0.9
ABL 6.87 140 eP 48 21.24 -3.0
PRW 6.92 29 P 48 23.45 -1.1
FMW 6.98 16 P 48 24.68 -0.9
MXC 7.02 25 P 48 24.77 -1.3
WG3 7.10 34 P 48 25.97 -1.2
RSW 7.10 29 P 48 25.99 -1.3
GSM 7.21 15 P 48 27.90 -0.9
LNOR 7.23 37 P 48 28.37 -0.7
EBG 7.24 22 P 48 28.13 -1.0
OSR 7.24 3 P 48 28.43 -0.8
WIW 7.25 30 P 48 27.92 -1.3
GBL 7.33 29 P 48 29.20 -1.1
MJ2 7.33 29 P 48 29.21 -1.1
TWW 7.36 20 P 48 30.35 -0.5
GMW 7.38 9 (P) 48 28.17 -2.9
WAH2 7.42 28 P 48 30.12 -1.5
LOCW 7.44 28 P 48 30.93 -0.9
RMW 7.45 15 P 48 31.45 -0.7
TBM 7.46 21 P 48 31.47 -0.8
OOW 7.47 2 P 48 31.61 -0.7
HTW 7.79 14 P 48 35.94 -0.9
JCW 8.14 12 P 48 40.84 -0.9
SSK 8.15 136 eP 48 40.83 -1.3
NLW 8.37 20 P 48 43.92 -1.1
PGC 8.41 5 eP 48 45.00 -0.4
1.0s 95.00nm 6.0mb
MCW 8.49 8 (P) 48 45.96 -0.7
PEC 8.68 135 eP 48 47.49 -1.8
DPW 8.86 29 eP 48 48.66 -3.1
DUG 8.98 87 eP 48 51.99 -1.5
HVU 9.03 77 eP 48 53.16 -1.1
HPI 9.19 64 (P) 49 04.66 8.0
PLM 9.25 136 eP 48 55.72 -1.6
PTI 9.49 70 (P) 49 01.49 0.9
PNT 9.70 20 eP 49 02.00 -1.2
0.7s 31.00nm 5.7mb X
DAU 10.15 85 eP 49 09.46 -0.4
LRM 10.45 54 eP 49 10.80 -3.0
GLA 10.62 130 ePd 49 14.29 -1.7
SRU 10.87 92 eP 49 19.81 0.2
SES 13.86 39 ePc 49 55.90 -3.5
1.2s 105.00nm 5.5mb
pP 50 06.00
GOL 14.72 86 eP 50 10.92 0.0
ALQ 15.29 105 eP 50 18.71 0.4
SIT 18.20 341 eP 50 55.64 1.0
1.1s 61.95nm 4.7mb
MEO 21.27 97 iPd 51 26.40 -2.7
OCO 21.85 94 iPc 51 37.20 2.3
ULM 22.39 54 eP 51 38.00 -2.1
YKA 23.05 12 eP 51 46.40 0.0
1.0s 56.90nm 5.1mb
BALM 23.50 338 ePd 51 53.39 2.4
KLU 24.93 336 eP 52 06.77 1.9
TOA 25.48 336 eP 52 13.60 3.7
SLKM 25.74 330 ePd 52 14.37 2.0
CCM 25.84 84 P 52 20.00 6.6

Z 20s 0.25um 3.7MszX
PMR 26.07 333 eP 52 17.70 2.4
1.1s 75.38nm 5.3mb
Z 20s 1.26um 4.4Msz
OLY 26.45 90 (P) 52 16.03 -3.1
CRP 26.95 330 ePd 52 25.37 1.7
SDN 28.07 315 P 52 50.00 16.3
Z 19s 0.78um 4.3Msz
SVW 28.22 328 eP 52 35.80 0.8
0.9s 25.62nm 5.0mb
TTA 29.41 331 eP 52 45.76 0.0
1.0s 29.22nm 5.0mb
IMA 30.62 337 iPd 52 57.63 1.1
1.0s 18.67nm 4.9mb
EEO 33.25 64 eP 53 19.50 0.0
ANM 33.82 330 ePc 53 26.01 1.7
NAV 33.98 81 eP 53 25.03 -1.0
MCWV 34.00 76 P 53 40.00 13.9
Z 21s 1.62um 4.7Msz
HON 34.11 246 P 53 40.00 12.8
Z 21s 0.96um 4.5Msz
BRW 35.09 343 iPc 53 36.21 1.1
CVL 35.52 78 eP 53 38.57 -0.6
CEH 35.75 82 eP 53 40.33 -0.8
0.8s 26.96nm 5.2mb
Z 20s 0.46um 4.2Msz
MBC 36.14 2 ePd 53 44.50 0.5
1.0s 44.00nm 5.3mb
BNH 38.99 66 ePc 54 07.40 -0.9
HRV 39.28 69 P 54 20.00 9.3
Z 20s 0.31um 4.1Msz
ILT 40.04 332 iPd 54 18.40 1.8
1.4s 97.00nm 5.3mb
Z 14s 0.90um 4.8MszX
N 14s 0.60um
E 14s 0.70um
i 54 26.00
eS 00 22.00
SMY 42.75 308 P 54 50.00 10.9
Z 21s 1.63um 4.9Msz
LMN 43.12 62 ePc 54 43.30 1.1
GDH 46.35 28 iPc 55 08.20 0.5
1.0s 44.00nm 5.4mb
e 05 35.00
PET 51.78 312 eP 55 51.00 1.1
TPT 59.01 206 iP 56 44.20 1.8
1.2s 45.00nm 5.5mb
RUV 59.12 206 iP 56 45.20 2.0
1.2s 85.00nm 5.8mb
PMO 59.12 206 iP 56 45.30 2.1
1.2s 40.00nm 5.4mb
VAH 59.25 206 iP 56 46.00 1.9
1.2s 55.00nm 5.6mb
YAK 61.97 329 iPc 57 02.60 0.4
YSS 63.60 310 eP 57 22.20 9.0
NRI 68.02 348 iPc 57 40.90 -0.3
e 57 50.00
e 58 15.00
BOD 70.62 331 eP 57 57.80 0.5
MAT 72.30 303 eP 58 08.00 0.2
0.7s 5.48nm 4.7mb
eS 07 35.00
NB2 72.80 21 P 58 09.70 -0.7
0.8s 9.80nm 4.9mb
ARE 74.94 127 eP 58 24.00 0.4
CIT 75.14 327 eP 58 23.00 -1.1
KAF 75.28 14 iP 58 24.30 -0.3
0.7s 11.40nm 5.0mb
UPP 75.47 19 iP 58 25.20 -0.5
i 58 32.70
NUR 76.45 15 iP 58 30.40 -0.8
0.7s 12.80nm 5.1mb
ZOBO 76.88 125 iPc 58 34.80 -0.3
S 08 34.00
LR 26 40.00
LPB 77.09 125 eP 58 42.00 6.1
CNC8 77.37 125 P 58 38.00 0.3
SNY 77.60 315 Pd 58 42.20 4.3
1.2s 19.00nm 5.0mb
IRK 78.54 332 eP 58 44.10 1.1
Z 20s 0.42um 4.8Msz
N 18s 0.30um
e 58 51.30
ENN 79.51 29 eP 58 48.50 0.3
0.7s 8.00nm 4.8mb
MOY 80.20 333 eP 58 54.00 2.1
ZAK 80.45 331 eP 58 54.40 1.1

1.4s 9.00nm 4.6mb
Z 19s 0.42um 4.8Msz
N 18s 0.30um
E 18s 0.20um
SIV 81.24 119 P 58 57.80 -0.1
LSF 81.32 35 eP 58 57.50 -0.5
1.0s 10.40nm 4.8mb
LOR 81.50 33 eP 58 58.90 0.0
1.1s 19.05nm 5.0mb
Z 18s 0.90um 5.2Msz
SSF 81.52 33 eP 58 58.90 -0.1
1.3s 18.75nm 5.0mb
CLL 81.55 25 iP 58 59.60 0.5
e 59 07.00
TCF 81.58 34 eP 58 59.00 -0.4
1.2s 14.00nm 4.9mb
BGF 81.64 34 eP 58 59.40 -0.2
1.3s 22.00nm 5.0mb
AVF 81.67 33 eP 58 59.30 -0.4
1.1s 10.75nm 4.8mb
LBF 81.78 33 eP 59 00.20 -0.2
1.0s 6.20nm 4.6mb
PJG 81.79 281 eP 59 02.60 1.8
GUMO 81.79 281 eP 59 02.60 1.8
HAU 81.91 31 eP 59 01.10 0.1
1.1s 10.75nm 4.8mb
Z 21s 0.58um 4.9Msz
CDF 81.94 30 eP 59 01.20 -0.1
1.0s 10.00nm 4.8mb
LFF 81.99 36 eP 59 01.30 -0.1
1.1s 14.90nm 4.9mb
RJF 82.05 35 eP 59 01.30 -0.5
0.9s 8.50nm 4.8mb
Z 22s 0.90um 5.1Msz
BSF 82.23 31 eP 59 02.60 -0.2
1.1s 12.20nm 4.9mb
BRG 82.24 25 iPc 59 03.40 0.8
1.0s 24.00nm 5.2mb
i 59 11.20
e 59 26.00
GRF 82.32 27 eP 59 04.60 1.5
0.8s 6.00nm 4.7mb
Z 18s 0.50um 4.9Msz
e 59 11.10
EPLA 82.36 43 eP 59 04.00 0.5
LPO 82.39 36 eP 59 03.30 -0.2
1.1s 12.95nm 4.9mb
CAF 82.59 35 eP 59 04.10 -0.5
0.9s 9.65nm 4.9mb
GUD 82.93 41 iPc 59 07.20 0.6
KSP 83.01 24 ePc 59 07.40 0.8
e 59 15.20
MNK 83.18 16 eP 59 06.00 -1.4
SVE 83.19 357 ePc 59 13.00 5.6
PRU 83.19 25 eP 59 08.50 0.9
Z 16s 0.50um 5.0MszX
e 59 16.00
KHC 83.61 26 eP 59 10.00 0.2
1.5s 8.50nm 4.7mb
Z 16s 0.70um 5.1MszX
N 16s 0.30um
E 16s 0.50um
e 59 18.50
e 02 18.00
OBN 83.64 11 iPc 59 10.00 0.2
1.0s 21.00nm 5.3mb
Z 20s 1.00um 5.2Msz
N 20s 0.80um
E 20s 0.40um
i 59 18.00
(S) 09 30.00
ETOR 83.84 40 iPd 59 12.50 1.3
GEC2 83.90 26 Pc 59 10.80 -0.6
0.8s 1.32nm 4.2mb X
GEC2 83.90 26 P 59 18.70 7.3
1.0s 3.67nm 4.6mb
LPL 84.09 32 eP 59 13.30 0.7
1.1s 13.45nm 5.1mb
LPG 84.12 32 eP 59 13.70 0.9
1.0s 11.60nm 5.1mb
HHC 84.50 321 eP 59 16.00 1.5
Z 19s 0.61um 5.0Msz
OJC 84.60 22 eP 59 15.70 1.0
e 59 20.40
EPRU 85.10 44 eP 59 27.50 10.0
EVIA 85.27 42 eP 59 18.00 -0.4
KBA 85.29 27 iPd 59 19.20 0.7

05d 21h

0.7s 4.70nm 4.8mb
ic 59 19.30
i 59 27.30
BTO 85 43 322 eP 59 20.80 1.6
SRO 86.30 24 eP 59 32.60 9.4
TIY 86 47 318 eP 59 30.40 6.1
Z 20s 0.63um 5.0Msz
UZH 86.74 21 eP 59 33.00 7.6
2.0s 100.00nm 5.7mb
Z 15s 1.00um 5.3MszX
N 15s 1.00um
E 15s 1.00um
SEM 87.11 344 ePd 59 27.80 0.7
e 59 35.00
NJ2 87.18 311 eP 59 33.00 5.2
PTJ 87.22 26 eP 59 35.10 7.2
VBY 87.32 27 eP 59 38.00 9.8
DZM 89.21 240 iPc 59 40.10 2.5
GTA 90.95 327 eP 59 51.00 5.3
Z 18s 0.74um 5.2Msz
N 16s 0.51um
XAN 91.11 318 P 59 52.10 5.7
WMQ 91.38 337 P 59 49.20 1.7
0.7s 6.90nm 5.1mb
Z 18s 0.52um 5.0Msz
pP 59 57.00 24kmX
sP 00 01.50
LZH 91.94 323 eP 59 54.50 4.2
1.8s 25.00nm 5.3mb
Z 18s 0.59um 5.1Msz
E 16s 0.45um
WRA 110.92 261 PKP 05 15.80 0.4
0.7s 0.70nm
SPA 130.08 180 iPKPc 05 52.00 1.2
1.1s 15.48nm
KRI 147.65 51 iPKPc 06 27.80 3.8
BUL 149.53 57 ePKP 06 32.40 5.5
MAW 152.31 186 iPKPd 06 37.00 7.6
1.0s 12.00nm
217 obs. associated

& JUN 05, 1992 23h 02m 34.07s
36.178 N 117.884 W
DEPTH = 0.0km
CALIFORNIA-NEVADA BORDER REGION (40)
<PAS-P>. ML 2.5 (PAS).

ISA 0.70 223 eP 02 47.51 -0.6
ABL 1.72 220 eP 03 05.56 0.0
eS 03 31.94
BONR 1.81 349 ePn 03 06.67 -0.3
SSK 1.97 175 (P) 03 11.19 2.0
TNP 1.97 15 ePn 03 09.51 0.2
BCH 2.05 242 ePn 03 10.00 -0.3
6 obs. associated

& JUN 05, 1992 23h 19m 22.34s
40.304 N 124.438 W
DEPTH = 18.8km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.0 (GM).

FHC 0.61 35 ePd 19 33.95 -0.2
eS 19 39.96
LTCM 1.77 92 (P) 19 51.42 -0.9
LBFM 2.20 61 eP 19 57.95 -0.7
ORV 2.38 107 (P) 19 58.86 -2.2
4 obs. associated

• JUN 05, 1992 23h 33m 48.01± 1.09s
6.327 N ±13.8km 72.232 W ± 9.7km
DEPTH = 10.0km (geophysicist)
NORTHERN COLOMBIA (99)

BMG 1.12 311 iPd 34 09.00 0.0
BOG 2.49 227 iPc 34 29.50 0.0
eS 35 01.00
SDV 3.00 32 iPnd 34 38.00 1.4
iSn 35 15.60
TOV 4.20 35 ePn 34 53.40 -0.2
iPP 34 53.70
eSn 35 41.30
CEOS 4.71 55 eP 35 02.50 1.6
MORO 5.95 40 eP 35 16.20 -2.2
OLLA 6.51 55 eP 35 26.00 -0.3
GUAN 7.45 61 eP 35 39.00 -0.5
ZOBO 22.83 170 P 39 17.00 23.7X

e 45 50.00
S.D. = 1.4 on 8 of 9 obs.

? JUN 06, 1992 00h 01m 19.84±10.78s
11.184 N ±36.5km 58.496 W ±89.1km
DEPTH = 33.0km (normal)
NORTH ATLANTIC OCEAN (402)
MD 3.6 (TRN).

TRN 2.90 260 eP 02 03.67 -1.1
eS 02 31.47
TCE 3.23 262 eP 02 10.67 1.2
eS 02 38.59
SVB 3.40 308 eP 02 11.00 -0.9
eS 02 44.50
SVV 3.40 309 eP 02 12.81 0.9
eS 02 45.58
SLB 3.61 317 eP 02 14.76 -0.2
eS 02 50.81
BIM 4.16 323 iPc 02 22.41 -0.2
S 03 03.90
CRM 4.26 327 eP 02 24.18 0.1
FDF 4.37 324 eP 02 25.96 0.2
S 03 08.90
S.D. = 0.9 on 8 of 8 obs.

? JUN 06, 1992 00h 08m 41.32± 5.08s
33.727 S ±11.4km 71.903 W ±40.9km
DEPTH = 27.4 ± 7.1 km
NEAR COAST OF CENTRAL CHILE (135)

LCCH 0.37 48 iPc 08 50.00 0.4
iS 09 02.90
LNV 0.47 119 iPd 08 50.90 -0.2
iS 09 04.00
TACH 0.81 85 iPc 08 56.40 -0.3
iS 09 14.80
ROCH 1.06 45 iPd 08 59.90 -0.7
iS 09 22.30
CHCH 1.06 102 iPc 09 00.30 -0.1
iS 09 21.70
CACH 1.15 110 iPd 09 02.20 0.4
iS 09 24.70
PCH 1.16 65 iPc 09 01.80 -0.1
iS 09 25.30
PEL 1.17 61 iPc 09 02.40 0.4
iS 09 25.40
FCH 1.40 74 iPc 09 05.90 0.3
S.D. = 0.5 on 9 of 9 obs.

% JUN 06, 1992 00h 14m 12.69± 0.77s
39.445 N ± 6.3km 27.827 E ± 9.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.64 75 iPg 14 25.40 -0.2
iSg 14 34.90
EDC 0.90 2 ePg 14 30.00 0.1
KCT 0.90 27 iPg 14 30.30 0.4
iSg 14 42.30
BNT 0.91 4 ePg 14 29.80 -0.4
iSg 14 42.80
IZM 1.13 203 iPn 14 34.00 0.0
IZI 1.55 54 iPn 14 40.30 -0.1
YLV 1.63 46 ePn 14 41.80 0.2
S.D. = 0.3 on 7 of 7 obs.

JUN 06, 1992 00h 41m 12.99± 0.24s
28.107 N ± 4.1km 128.032 E ± 3.7km
DEPTH = 21.0km (7 depth phases)
5.1mb (44 obs.) 5.6Msz (4 obs.)
RYUKYU ISLANDS (238)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 36C
Centroid Location:
Origin Time 00:41:14.5 0.4
Lat 28.00N 0.05 Lon 127.76E 0.06
Dep 27.4 4.9 Half-duration 1.8
Moment Tensor; Scale 10**17 Nm
Mrr=-0.24 0.05 Mtt= 0.75 0.09
Mff=-0.51 0.10 Mrt= 0.03 0.18
Mrf= 0.16 0.19 Mtf= 1.15 0.05
Principal Axes:
T Val= 1.44 Plg= 4 Azm=329
N -0.23 82 213
P -1.21 7 60
Best Double Couple:Mo=1.3*10**17
NP1:Strike=104 Dip=82 Slip= -3
NP2: 195 87 -172

KAGJ 3.95 38 eP 42 14.80 1.0
KUMJ 5.03 28 eP 42 33.50 4.4X
SHNJ 6.55 23 eP 42 53.40 2.8X
SSE 6.66 298 Pd 42 50.20 -1.9
1.0s 18.00nm 5.0mb
Z 13s 28.80um 4.8Msz
N 10s 27.60um
E 10s 18.60um
SHK 7.54 31 eP 43 06.50 2.1
TKSJ 7.81 40 P 43 07.50 -0.7
YONJ 8.44 32 eP 43 16.70 -0.3
NJ2 8.87 299 Pc 43 21.00 -1.9
0.8s 50.00nm 5.8mb
N 10s 27.90um
E 11s 25.30um
sP 43 32.00
WKYJ 8.89 45 P 43 21.80 -1.5
QZH 9.02 252 eP 43 23.00 -2.0
1.2s 70.00nm 5.8mb
Z 12s 23.90um 4.2MszX
E 10s 13.80um
S 45 12.00
TSRJ 10.03 40 P 43 38.70 -0.2
DL2 12.02 335 eP 44 02.00 -4.0X
Z 14s 10.80um
E 11s 13.40um
MAT 12.03 43 eP 44 06.00 -0.2
eS 46 32.00
WHN 12.18 285 eP 44 09.50 1.3
Z 12s 15.10um
N 12s 32.60um
E 14s 12.30um
S 46 28.00
TIA 12.27 314 eP 44 11.60 2.2
1.4s 87.00nm 5.8mb
Z 12s 19.90um 5.9Msz
N 13s 19.30um
E 13s 21.20um
HKC 13.81 248 eP 44 35.00 5.2X
GZH 14.16 253 Pc 44 39.00 4.5X
Z 16s 11.30um
E 10s 12.90um
SNY 14.16 346 iPc 44 36.00 1.6
Z 15s 14.70um
N 11s 9.92um
E 10s 16.40um
BJI 15.42 324 eP 44 53.00 2.2
1.1s 30.00nm 4.5mb
Z 16s 7.60um 4.9MszX
N 12s 6.19um
OFUJ 15.76 43 eP 44 54.00 -1.2
CN2 15.80 353 Pd 44 59.00 3.3X
1.2s 130.00nm 5.0mb
Z 13s 12.20um 4.5MszX
N 11s 16.40um
E 11s 6.77um
epP 45 08.50
TIY 16.21 310 Pd 45 04.50 3.4X
Z 14s 12.30um
N 10s 18.00um
S 48 05.00
sS 48 16.00
MDJ 16.52 4 eP 45 09.00 4.0X
1.7s 250.00nm 5.1mb
Z 17s 11.90um 5.0MszX
N 10s 10.80um
E 11s 6.61um
sS 48 22.00
PLP 17.10 190 ePc 45 16.00 3.7X
XAN 17.40 295 P 45 18.20 2.1
1.5s 170.00nm 5.0mb
N 11s 24.80um
E 11s 14.40um
pP 45 29.00
HHC 18.56 317 Pc 45 32.00 1.5
1.4s 97.00nm 4.8mb
QIZ 18.94 245 eP 45 39.50 4.3X
N 11s 6.48um
E 12s 5.40um
GYA 19.06 270 P 45 38.80 2.0
Z 12s 25.30um
N 11s 1.98um
E 11s 9.56um

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BTO      19.36 315 P      45 41.00   0.8
          1.2s    47.00nm         4.6mb
       N  13s     17.00um
       E  12s     10.20um
                  pP      45 48.00  26km
CGP      19.80 190 ePd    45 44.00  -1.1
BIP      19.85 185 eP     45 48.00   2.4
CD2      21.30 283 P      45 59.40  -1.2
          1.2s   410.00nm         5.7mb
       Z  10s     15.60um         5.7MszX
       N  10s     34.50um
                  ipP     46 05.80  23km
                  sP      46 10.00
                  S       49 55.20
                  sS      50 06.00
GUMO     21 32 129 eP     46 02.00   1.2
          1.2s   176.30nm         5.4mb
GUA      21.38 129 eP     46 02.00   0.5
          0.8s   119.40nm         5.4mb
LZH      21.94 297 eP     46 08.20   1.1
          1.8s   160.00nm         5.1mb
       Z  14s      9.09um         5.3MszX
       N  13s     24.10um
       E  12s     10.60um
                  pP      46 14.50  23km
                  sP      46 17.50
                  sS      50 23.00
YSS      22.11  27 (P)    45 57.70 -10.7X
       Z  14s      6.60um         5.2MszX
       N  14s      3.00um
       E  14s      4.40um
                  eSS     50 58.00
KMI      22.80 268 Pc     46 16.50   0.8
          2.0s   210.00nm         5.3mb
       N  12s     10.60um
       E  12s      6.10um
                  sP      46 33.50
                  sS      50 33.00
KUR      23.25  37 eP     46 18.00  -1.7
          1.0s   380.00nm         5.9mb
GTA      25.92 303 iPd    46 45.00  -0.6
          1.5s    35.00nm         4.8mb
       Z  10s     13.80um         5.8MszX
       N  12s     14.90um
                  pP      46 50.50  20km
                  sP      46 54.00
                  PP      47 30.00
                  S       51 16.00
                  sS      51 26.00
CIT      26.20 340 eP     46 48.00   0.1
       Z  18s      8.66um         5.3Msz
       N  17s      5.71um
       E  20s     10.60um
CHG      28.18 257 eP     47 10.00   3.8X
CHTO     28.18 257 e(P)   47 05.30  -0.9
          1.0s     7.25nm         4.4mb
                  pP      47 10.00  17km
ZAK      29.12 327 eP     47 13.80  -0.5
          2.0s    43.00nm         4.9mb
       Z  15s      5.98um         5.3MszX
       E  14s      3.84um
                  e       48 22.00 369kmX
                  eS      52 06.00
IRK      29.92 330 eP     47 20.90  -0.7
          1.6s    32.00nm         4.9mb
       Z  16s      8.72um         5.5MszX
       N  15s      4.56um
       E  16s      2.94um
                  e       48 33.00 392kmX
                  e       53 52.00
MOY      31.07 327 eP     47 31.20  -0.4
          1.5s    40.00nm         5.0mb
BOD      31.28 346 eP     47 32.70  -0.7
          1.3s    30.00nm         5.0mb
LSA      32.24 282 eP     47 45.00   2.3
       N  13s     10.80um
       E  11s      2.44um
SHL      32.28 274 eP     47 41.40  -1.4
          1.0s    45.00nm         5.4mb
                  eS      52 54.00
SNG      33.25 236 eP     47 51.00   0.0
PET      33.62  34 eP     47 52.00  -1.8
       Z  20s      3.50um         5.1Msz
       N  18s      2.00um
       E  20s      2.30um
                  eS      53 12.00
YAK      33.93   1 eP     48 00.00   3.6X
       Z  16s      4.80um         5.3MszX
       N  14s      3.40um
                  e       53 20.00
IPM      34.74 233 ePd    48 04.00   0.1
          0.9s    30.40nm         5.2mb
WWKK     34.94 152 eP     48 06.00   0.4
MGD      35.54  19 eP     48 06.00  -4.3X
       Z  14s      4.20um         5.4MszX
       N  14s      4.70um
       E  14s      2.70um
                  e       53 32.00
WMQ      35.83 307 P      48 13.00  -0.1
          1.0s    35.00nm         5.2mb
       Z  12s      9.20um         5.8MszX
       N  12s      9.70um
                  PP      49 38.20
                  S       53 52.00
GUN      37.08 280 P      48 22.60  -1.5
PKI      37.55 279 P      48 26.40  -1.6
KKN      37.62 280 P      48 27.00  -1.5
DMN      37.81 280 P      48 28.80  -1.3
GKN      38.14 280 P      48 31.40  -1.4
SEY      38.27  18 eP     48 32.00  -1.2
       Z  12s      4.00um         5.5MszX
LAT      39.11 149 eP     48 42.20   1.5
KLI      39.67 218 eP     48 42.00  -3.4X
                  e       48 50.00  27km
SMY      41.86  41 (P)    49 04.70   1.7
SEM      42.27 315 iPd    49 06.00  -0.4
          2.0s   375.00nm         5.8mb
       Z  14s      8.00um         5.8MszX
       N  12s      2.00um
       E  14s      5.00um
                  e       55 31.00
PRZ      42.39 303 eP     49 09.00   1.3
          1.8s   180.00nm         5.5mb
                  eS      55 34.00
TLG      43.18 304 eP     49 15.00   1.0
       Z  14s      5.20um         5.6MszX
       N  16s      2.60um
       E  14s      2.60um
                  eS      55 49.00
                  eSS     59 07.00
TLG      43.18 304 eP     49 15.20   1.2
          2.1s    30.00nm         4.7mb
KSH      44.18 299 P      49 23.80   1.6
       Z  15s      5.31um         5.6MszX
       N  14s     10.30um
       E  13s      5.58um
NDI      44.42 283 eP     49 23.00  -1.2
NRI      47.31 342 ePd    49 46.00  -0.5
          2.0s    68.00nm         5.3mb
       Z  20s     15.00um         6.0Msz
       N  20s      4.00um
       E  20s      6.50um
                  e       51 39.00 645kmX
                  eS      56 40.00
WRA      48.16 172 P      49 53.20  -0.5
          0.6s    12.80nm         5.1mb
WB2      48.16 172 iPc    49 52.90  -0.8
          0.6s    27.60nm         5.5mb
GAR      48.59 299 iP     49 57.00  -0.2
                  eS      57 03.00
MBL      49.61 190 eP     50 03.50  -1.4
QIS      49.65 166 iPc    50 04.50  -0.8
          0.9s    32.00nm         5.3mb
POO      50.32 271 iPd    50 18.50   8.0X
ILT      50.67  23 eP     50 09.00  -3.5X
          1.8s    28.00nm         4.9mb
       Z  14s      3.70um         5.6MszX
       E  14s      2.20um
                  e       51 23.00 358kmX
                  eS      57 24.00
CTA      51.05 158 iPd    50 17.50   1.6
          0.6s    39.00nm         5.5mb
                  eS      57 46.80
ASPA     51.78 173 iPc    50 20.70  -0.7
          1.3s    15.80nm         4.8mb
QUE      52.82 288 eP     50 30.70   1.2
                  eS      58 06.20
SVE      54.68 322 ePc    50 42.00  -0.5
          2.0s    80.00nm         5.4mb
       Z  13s      8.00um         6.0MszX
       N  13s      1.50um
       E  13s      6.00um
                  e       51 40.80 268kmX
                  eS      58 08.00
ARU      55.80 321 eP     50 50.00  -0.6
          1.8s   100.00nm         5.5mb
       Z  15s      5.00um         5.7MszX
       N  12s      2.00um
       E  14s      4.00um
MAIO     57.50 297 iPc    51 04.00   0.9
                  eS      59 08.00
RMQ      57.82 158 eP     51 05.00  -0.3
ASH      58.03 299 eP     51 07.00   0.3
TTA      59.02  31 (P)    51 11.89  -1.5
COOL     59.03 187 eP     51 12.20  -1.5
IMA      59.93  27 eP     51 17.56  -2.2
          1.0s     5.74nm         4.7mb
CRP      60.94  33 eP     51 25.26  -1.4
STK      61.04 167 eP     51 26.40  -1.0
          0.6s     6.80nm         5.0mb
DZM      62.16 139 iPc    51 35.90   0.6
BWA      65.12 161 eP     51 55.90   1.5
GRO      66.02 308 eP     52 05.00   4.8X
       Z  14s      8.00um         6.1MszX
       N  14s      9.50um
       E  14s      9.00um
                  eS      01 06.00
CAN      66.12 161 eP     52 05.20   4.4X
GRS      66.70 304 eP     52 05.00   0.2
          1.5s    20.00nm         5.0mb
       Z  14s      0.90um         5.1MszX
       N  14s      1.04um
       E  14s      1.15um
ERE      67.83 305 eP     52 13.00   1.2
       Z  16s      1.50um         5.3MszX
KIV      67.92 309 iP     52 09.10  -3.3X
       Z  14s      1.49um         5.4MszX
                  eSS     05 33.20
MBC      68.05  14 eP     52 10.00  -2.6
OBN      68.23 322 eP     52 22.00   8.0X
       Z  18s      6.00um         5.9Msz
       N  18s      2.90um
       E  16s      4.00um
                  i       52 42.00  76kmX
                  e       54 45.00
                  eS      01 16.00
                  eSS     05 40.00
KAF      70.78 331 P      52 46.00  16.5X
NUR      72.18 330 eP     52 42.00   4.2X
YKA      76.91  25 eP     53 04.50  -0.5
          0.9s     4.10nm         4.5mb
NB2      77.56 334 P      53 05.70  -3.0X
          0.9s     2.10nm         4.2mb
MLR      78.29 315 eP     53 19.00   5.8X
                  e       11 51.00
OJC      79.54 322 eP     53 20.60   0.9
                  e       53 24.40  12km
KSP      81.08 323 eP     53 27.20  -0.7
RMW      82.09  40 eP     53 33.56   0.2
PNT      82.27  38 eP     53 35.00   0.9
BRG      82.29 324 e(P)   53 32.90  -1.3
                  e       56 51.60
SKO      82.87 314 eP     53 37.00  -0.4
GEC2     83.60 323 eP     53 39.00  -2.1
          1.0s     0.77nm         3.9mb X
DPW      83.87  38 eP     53 41.89  -0.6
FCC      86.65  20 eP     53 56.00   0.0
ORV      86.65  47 (P)    53 56.27  -0.2
LRM      88.24  38 eP     54 04.40   0.1
BONR     89.62  46 (P)    54 12.79   1.7
BCH      90.05  49 (P)    54 13.65   0.8
TNP      90.23  46 eP     54 14.32   0.5
          0.3s     0.58nm         4.3mb
HVU      90.64  41 eP     54 16.61   1.1
DUG      91.63  42 eP     54 20.58   0.5
          1.6s    13.37nm         5.1mb
DAU      92.40  41 eP     54 24.66   0.8
MSU      93.08  43 eP     54 28.14   1.2
PLM      93.28  49 eP     54 28.56   0.7
ZOBO    160.99  55 PKP    01 15.20   1.3
                  LR      58 54.00
LPB     161.17  56 ePKP   01 16.00   2.1X
CNCB    161.44  56 ePKP   01 16.00   1.7
                  i       01 59.00
     S.D. = 1.3  on 101 of 127 obs.
------------------------------------------
   JUN 06, 1992  01h 04m 32.83± 0.47s
   26.657 N ±11.1km   67.342 E ± 6.3km
   DEPTH =  33.0km  (normal)
   4.4mb ( 19 obs.)  4.7Msz (  3 obs.)
   PAKISTAN                        (710)
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06d 01h

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NDI      8.98  75 iPc    06 40.50  -2.8
                  iS     08 20.00
POO     10.07 142 eP     07 02.00   3.7X
ASH     13.58 328 eP     07 46.00   0.6
HYB     13.87 129 eP     07 46.00  -3.4X
                  eS     10 54.00
GKN     15.43  81 P      08 04.60  -5.3X
        0.6s     32.00nm           4.7mb
DMN     15.85  83 P      08 09.80  -5.6X
        0.8s     53.00nm           4.7mb
KKN     16.00  82 P      08 11.20  -6.1X
PKI     16.12  83 P      08 13.20  -5.7X
        0.6s     27.00nm           4.6mb
GUN     16.53  81 P      08 18.40  -5.7X
LSA     21.20  76 eP     09 20.00   1.6
SHL     22.06  87 eP     09 27.60   0.9
                  eS     13 23.70
WMO     23.76  39 P      09 46.50   3.3X
        1.0s      7.00nm           4.1mb
    E  10s        0.64um
                  pP     09 53.00  23kmX
                  sP     09 57.00
                  PP     10 21.00
MTA     23.84 315 eP     09 45.00   1.3
                  e      09 52.00
GRO     24.22 319 eP     09 50.00   2.5
    Z  20s        1.00um           4.3Msz
    N  20s        1.00um
    E  20s        1.00um
PYA     26.17 318 eP     10 15.00   9.0X
    Z  20s        2.00um           4.7Msz
KIV     26.36 317 iP     10 15.30   7.5X
CHG     30.11  98 eP     10 42.00   0.1
CHTO    30.11  98 iP     10 41.90   0.0
        1.0s      7.75nm           4.5mb
SVE     30.51 353 ePc    10 43.00  -1.9
GYA     35.08  81 P      11 24.80  -0.4
OBN     36.17 330 eP     11 39.00   5.1X
                  e      13 17.00
XAN     36.44  68 P      11 37.00   0.5
BTO     37.79  57 eP     11 48.10   0.2
UZH     41.12 314 eP     12 19.00   3.8X
        1.5s     50.00nm           5.0mb
    Z  18s        4.50um           5.4Msz
    N  18s        2.50um
    E  18s        6.00um
                  e      12 26.10
KAF     44.67 334 eP     12 43.70  -0.2
        0.4s      2.20nm           4.4mb
PRU     46.36 315 eP     13 03.00   5.4X
                  e      13 26.50
GEC2    46.73 313 Pd     12 59.80  -0.8
        0.6s      1.02nm           3.9mb
KHC     46.85 313 eP     13 03.00   1.5
                  e      13 26.50
BRG     46.90 316 e(P)   13 00.20  -1.6
UPP     47.37 328 iP     13 04.50  -0.8
CLL     47.56 316 e(P)   13 15.00   8.0X
MOX     48.32 315 eP     13 14.00   1.0
GRF     48.45 314 eP     13 14.80   0.8
        0.8s      4.00nm           4.5mb
HFS     49.32 328 eP     13 19.40  -1.1
        0.4s      1.50nm           4.4mb
    Z  15s        3.06um           5.4MszX
                  LR     27 45.00
NB2     50.76 329 P      13 29.90  -1.6
        0.7s      1.40nm           4.0mb
LPG     51.22 308 eP     13 35.40  -0.2
        0.8s      5.50nm           4.6mb
LPL     51.24 308 eP     13 34.60  -1.0
        0.6s      2.25nm           4.3mb
BCAO    51.54 253 iPd    13 37.30  -0.8
        0.3s      8.00nm           5.2mb
KIC     71.17 268 P      15 50.40  -0.4
TIC     71.30 268 P      15 51.10  -0.5
LIC     71.49 268 P      15 52.20  -0.5
ILT     74.01  21 eP     16 07.00   0.5
MBC     77.26   2 eP     16 26.00   1.2
        0.6s      2.00nm           4.3mb
WRA     79.77 118 P      16 40.20   0.7
        0.7s      2.20nm           4.3mb
WB2     79.78 118 iPc    16 39.80   0.2
        0.6s      4.90nm           4.7mb
ASPA    81.47 122 eP     16 48.50   0.0
        1.1s      5.80nm           4.5mb
KLU     88.14  15 eP     17 21.45   0.1
YKA     91.15   1 eP     17 36.20   0.9
```

```
            0.7s      0.60nm           4.1mb
          S.D. = 1.1  on  34 of  48 obs.
-------------------------------------------
% JUN 06, 1992  01h 05m 05.23± 0.72s
  40.241 N ± 6.4km    30.087 E ± 5.7km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                               (366)
GPA     0.18  74 ePg    05 09.20   0.0
                 eSg    05 13.20
IZI     0.48 282 iPg    05 13.80  -1.2
YLV     0.63 301 ePg    05 17.20  -0.8
HRT     0.66 331 iPg    05 17.70  -0.7
ISK     1.14 317 ePn    05 27.00   0.5
ALT     1.18 179 ePn    05 27.10  -0.3
DST     1.29 241 ePn    05 29.30   0.1
KCT     1.32 271 ePn    05 30.00   0.3
CTT     1.55 306 ePn    05 34.30   1.4
BNT     1.66 275 ePn    05 35.30   0.8
          S.D. = 0.9  on  10 of  10 obs.
-------------------------------------------
% JUN 06, 1992  01h 50m 38.01± 0.58s
  33.510 S ± 5.4km    71.242 W ± 5.8km
  DEPTH =  33.0km  (normal)
 NEAR COAST OF CENTRAL CHILE          (135)
LCCH    0.28 277 iPd    50 46.10   0.6
                 iS     50 52.80
TACH    0.29 120 iPc    50 46.70   1.0
LNV     0.47 198 iPd    50 47.40  -0.7
                 iS     50 55.20
SAN     0.49  84 iPc    50 48.80   0.3
                 iS     50 57.50
ROCH    0.57  20 iPc    50 49.40  -0.4
                 iS     50 58.90
PEL     0.59  52 iPc    50 50.20   0.2
                 iS     50 59.90
PCH     0.62 101 iPc    50 50.20  -0.2
                 iS     51 00.10
CHCH    0.65 131 iPd    50 50.40  -0.4
                 iS     51 00.80
CACH    0.81 139 iPd    50 53.20   0.1
                 iS     51 05.90
FCH     0.82  77 iPd    50 53.10  -0.3
                 iS     51 05.30
JACH    0.99  34 iPd    50 55.40  -0.3
                 iS     51 08.90
          S.D. = 0.6  on  11 of  11 obs.
-------------------------------------------
? JUN 06, 1992  01h 55m 36.29± 2.98s
   19.242 N ±26.3km   64.494 W ±41.1km
   DEPTH =  33.0km  (normal)
   3.4mb (  1 obs.)
 VIRGIN ISLANDS                       ( 91)
LPR     1.60 235 iP     56 02.30  -0.4
                 S      56 22.30
CPD     1.80 229 iP     56 06.00   0.4
SJG     1.93 235 iP     56 07.00  -0.5
CLLP    2.29 240 iP     56 13.10   0.6
PORP    2.35 240 iP     56 13.20  -0.2
                 S      56 41.70
LRS     2.42 247 iP     56 14.50   0.1
MGP     2.75 244 iP     56 19.00   0.0
YKA    55.15 334 eP     05 07.60   0.0
            0.8s      0.30nm           3.4mb
          S.D. = 0.4  on   8 of   8 obs.
-------------------------------------------
   JUN 06, 1992  01h 58m 29.47± 0.26s
    0.602 S ± 4.7km   133.905 E ± 6.4km
   DEPTH =  26.3km  (  8 depth phases)
   5.1mb ( 23 obs.)  4.8Msz ( 12 obs.)
 IRIAN JAYA REGION, INDONESIA         (196)
        CENTROID, MOMENT TENSOR      (HRV)
        Data Used: GDSN
        L.P.B.: 25S, 33C
        Centroid Location:
        Origin Time        01:58:31.4 0.6
        Lat  0.78S 0.07 Lon 134.48E 0.08
        Dep  15.0 FIX Half-duration   1.9
        Moment Tensor;   Scale 10**16 Nm
          Mrr= 4.29 0.41  Mtt=-4.04 0.45
          Mff=-0.25 0.67  Mrt=-9.62 1.28
          Mrf= 1.52 1.30  Mtf= 3.82 0.36
         Principal Axes:
          T  Val= 10.68  Plg=56  Azm=172
          N        1.09      14      284
```

```
           P       -11.76       31       22
        Best Double Couple:Mo=1.1*10**17
        NP1:Strike=150 Dip=20 Slip= 138
        NP2:         280      77       75
WWKK    10.16 107 eP     00 54.10  -2.8
BIP     11.62 319 eP     01 20.00   3.2X
MTN     12.47 193 eP     01 26.40  -1.8
        0.4s    296.00nm           6.8mb X
                  eS     03 40.00
CGP     12.85 315 eP     01 38.00   4.7X
PCI     14.07 269 ePd    02 01.50  12.2X
                  e      04 30.00
PLP     14.68 323 ePd    01 57.70   0.4
PMG     15.82 124 eP     02 13.50   1.3
GUMO    17.80  37 eP     02 35.60  -1.5
        1.6s    115.70nm           4.8mb
WB2     19.23 179 iPd    02 52.00  -2.7
        0.2s     49.50nm           5.4mb
                  eS     06 22.50
WRA     19.23 179 P      02 52.20  -2.5
QIS     20.60 165 iPd    03 07.70  -1.7
        0.4s     18.00nm           4.8mb
                  i      03 15.00
CTA     22.83 149 iPc    03 34.10   2.3
        0.9s    501.26nm           6.0mb
                  eS     08 17.10
ASPA    22.93 180 iPd    03 32.40  -0.3
        0.7s     48.60nm           5.1mb
    Z  18s        4.00um           4.9Msz
                  i      03 44.40
                  eS     07 27.60
MBL     24.62 213 eP     03 50.30   1.1
NANU    28.22 218 eP     04 23.00   0.6
RMQ     29.44 152 eP     04 34.00   0.6
STK     31.95 168 eP     04 54.10  -1.3
        0.5s      5.70nm           4.7mb
COOL    32.46 201 eP     05 00.00   0.0
SSE     33.76 340 P      05 12.00   0.8
        0.8s      6.00nm           4.6mb
    Z  20s        0.70um           4.4Msz
    N  12s        0.30um
    E  12s        0.30um
                  sP     05 20.80
                  S      10 32.00
                  sS     10 40.00
BAL     34.02 207 eP     05 03.00 -10.5X
ARMA    34.10 152 iPc    05 15.00   0.7
BWA     36.28 160 eP     05 33.90   1.1
NST     37.07 297 eP     05 43.00   3.4X
MAT     37.17   6 (P)    05 39.00  -1.2
BFD     37.26 169 eP     05 36.00  -4.9X
CAN     37.30 159 eP     05 41.70   0.4
BKM     37.78 119 iPd    05 47.30   1.8
PVC     37.87 119 iP     05 47.50   1.2
DZM     38.20 126 iPd    05 49.00  -0.1
CHG     39.38 301 ePc    06 00.00   1.0
        1.2s     54.69nm           5.2mb
CHTO    39.38 301 iP     06 00.10   1.1
        1.2s     47.22nm           5.1mb
                  pP     06 07.20  24km
KMI     39.54 313 Pc     06 01.50   1.1
        1.5s     40.00nm           4.9mb
                  pP     06 07.00  19km
BJI     43.57 340 eP     06 34.00   1.0
        1.3s     40.00nm           5.0mb
    Z  18s        0.35um           4.3Msz
                  ePP    08 17.00
                  eS     13 04.00
                  eSS    16 14.00
LZH     45.98 326 eP     06 53.50   0.9
        2.0s    123.00nm           5.5mb
    Z  15s        0.34um           4.4MszX
                  pP     07 02.50  30km
                  sP     07 06.00
EWZ     53.94 147 P      07 54.50   1.4
THZ     53.96 144 P      07 53.70   0.3
GUN     54.06 306 P      07 53.80  -0.9
BWZ     54.12 149 P      07 54.80   0.4
LTZ     54.25 146 P      07 55.70   0.2
PKI     54.31 305 P      07 55.30  -1.3
KKN     54.50 305 P      07 56.60  -1.2
DMN     54.57 305 P      07 57.60  -0.8
        1.0s     44.00nm           5.4mb
KHZ     54.74 145 P      07 58.60  -0.4
GKN     55.11 305 P      08 01.10  -1.1
        1.2s     65.00nm           5.5mb
```

NOZ 55.34 138 eP 08 04.60 1.1
HYB 57.34 291 eP 08 17.00 -1.2
SMY 62.86 26 P 09 10.00 14.7X
Z 19s 1.04um 5.0Msz
CSY 67.62 190 iPd 09 26.40 0.6
0.5s 12.30nm 5.3mb
OUE 70.51 302 e(P) 09 45.00 0.4
SDN 76.85 32 P 10 30.00 9.3X
Z 18s 0.76um 5.1Msz
MAIO 77.82 307 eP 10 27.00 0.4
SVW 81.19 28 eP 10 45.07 0.9
0.9s 14.64nm 5.0mb
epP 10 53.78 28km
TTA 81.57 26 eP 10 46.74 0.5
1.1s 20.33nm 5.1mb
MAW 82.29 201 e(P) 10 51.00 1.3
1.0s 16.00nm 5.0mb
CRP 82.85 28 eP 10 51.77 -1.2
IMA 83.47 23 eP 10 55.91 -0.2
1.0s 12.03nm 5.0mb
epP 11 04.14 26km
(sP) 11 10.25
SLKM 83.59 29 eP 10 56.46 -0.1
PMR 84.34 28 eP 10 59.37 -0.9
1.0s 20.83nm 5.3mb
epP 11 08.55 29km
esP 11 13.35
FBA 85.58 25 eP 11 05.36 -1.1
1.2s 30.68nm 5.4mb
KLU 85.83 28 eP 11 08.27 0.4
epP 11 17.14 28km
(sP) 11 21.26
BALM 87.49 29 eP 11 16.41 0.4
epP 11 25.32 28km
esP 11 30.70
SPA 89.40 180 iPc 11 27.00 1.9
1.0s 22.50nm 5.4mb
SIT 90.92 33 P 11 40.00 7.9X
Z 20s 0.61um 5.0Msz
MBC 94.53 13 eP 11 48.50 0.1
YKA 100.33 26 ePdiff12 14.10 -0.8
1.1s 2.10nm 4.6mb
ISA 104.63 53 Pdiff 17 00.00 265.2X
Z 20s 0.23um 4.7Msz
GOL 113.63 46 PKP 17 20.00 12.0X
Z 20s 0.31um 4.9Msz
ALO 114.34 52 PKP 17 20.00 10.6X
Z 21s 0.26um 4.8Msz
CCM 124.27 43 PKP 17 40.00 12.0X
Z 22s 0.19um 4.7Msz
FVM 124.86 42 ePKP 17 28.20 -0.9
TKL 130.58 41 ePKP 17 40.42 0.2
HRV 132.42 26 PKP 17 50.00 6.6X
Z 19s 0.19um 4.8Msz
CEH 133.40 37 PKP 17 50.00 4.5X
Z 21s 0.21um 4.8Msz
ARE 149.75 125 iPKPd 18 22.00 6.9X
CNCB 152.34 130 PKP 18 23.00 3.8X
LPB 152.41 129 PKP 18 29.00 9.8X
ZOBO 152.53 129 PKP 18 21.80 2.2X
1.0s 37.50nm
i 18 29.20
CCH 153.37 133 PKP 18 31.00 10.7X
S.D. = 1.2 on 58 of 78 obs.

% JUN 06, 1992 02h 34m 50.75± 0.65s
40.248 N ± 5.9km 30.076 E ± 5.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

GPA 0.18 77 iPg 34 54.70 -0.2
eSg 34 58.70
IZI 0.47 281 iPg 34 59.30 -1.0
iSg 35 06.30
YLV 0.62 301 ePg 35 02.80 -0.6
eSg 35 11.80
HRT 0.65 332 iPg 35 03.30 -0.5
ISK 1.12 317 ePn 35 12.40 0.6
ALT 1.19 179 ePn 35 13.00 0.0
DST 1.29 240 iPn 35 14.70 0.1
KCT 1.32 271 iPn 35 15.30 0.2
CTT 1.54 306 ePn 35 19.30 1.0
BNT 1.65 274 ePn 35 20.30 0.4
S.D. = 0.7 on 10 of 10 obs.

? JUN 06, 1992 04h 26m 45.98± 2.24s
17.802 S ±42.3km 69.472 W ±12.2km
DEPTH = 171.1 ± 12.3 km
3.4mb (1 obs.)
PERU-BOLIVIA BORDER REGION (118)

CNCB 1.73 56 iPd 27 21.20 0.7
LPB 1.82 46 iPd 27 21.50 0.2
0.9s 235.29nm
ZOBO 1.98 41 iPc 27 23.00 -0.3
ARE 2.35 304 iPc 27 26.60 -0.5
iS 27 56.20
CCH 3.20 83 P 27 38.50 0.9
SIV 8.24 79 P 28 42.00 -1.5
i 29 11.20
KIC 68.24 75 (P) 37 30.40 -0.1
YKA 87.54 341 eP 39 15.80 0.7
0.8s 0.40nm 3.4mb
S.D. = 1.1 on 8 of 8 obs.

% JUN 06, 1992 06h 25m 39.14± 0.77s
42.546 N ± 6.6km 12.978 E ± 8.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

MNS 0.27 234 P 25 45.00 0.1
AOU 0.37 121 P 25 46.10 -0.6
eSg 25 51.60
ASS 0.57 336 P 25 50.00 -0.8
eSg 25 59.40
AZI 0.65 149 P 25 51.50 -0.6
ARV 0.95 358 P 25 58.10 0.8
eSg 26 11.60
SDI 1.05 143 P 26 00.10 1.2
S.D. = 1.1 on 6 of 6 obs.

% JUN 06, 1992 06h 46m 13.37± 0.81s
41.092 N ± 9.3km 28.757 E ± 6.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ISK 0.23 96 iPg 46 18.30 0.0
iSg 46 21.80
CTT 0.25 283 iPg 46 18.20 -0.6
iSg 46 21.90
IZI 0.93 144 ePn 46 31.00 -0.2
BNT 0.97 221 ePn 46 32.20 0.4
DMK 1.05 314 ePn 46 33.50 0.4
S.O. = 0.6 on 5 of 5 obs.

& JUN 06, 1992 06h 55m 53.61s
60.905 N 157.784 W
DEPTH = 1.4km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.6 (AEIC).

PDB 2.11 121 P 56 28.20 -2.2
TTA 2.20 22 P 56 30.60 -1.2
MCNL 2.44 133 P 56 33.20 -2.1
INE 2.49 108 P 56 33.20 -2.8
IVS 2.50 109 P 56 34.00 -2.3
RS1 2.51 98 P 56 35.20 -1.2
RS2 2.51 98 P 56 35.20 -1.2
RSO 2.51 98 P 56 35.00 -1.4
RED 2.52 99 P 56 34.50 -1.9
DFR 2.52 95 P 56 35.70 -0.8
REF 2.53 97 P 56 35.20 -1.5
AUL 2.66 123 P 56 35.40 -2.9
RDT 2.66 95 P 56 36.00 -2.4
AUP 2.68 123 P 56 35.50 -3.1
AUI 2.69 124 P 56 36.50 -2.2
AUE 2.70 123 P 56 36.40 -2.4
CPKM 2.72 80 P 56 36.50 -2.9
CRP 2.76 80 ePd 56 37.74 -2.2
CDD 2.88 132 P 56 38.70 -2.8
SLKM 3.74 93 ePn 56 44.57 -9.1
eS 57 06.56
PMS 4.01 82 P 56 53.50 -4.0
KNK 4.55 80 P 56 59.50 -5.6
22 obs. associated

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* JUN 06, 1992 07h 47m 24.83± 1.14s
17.067 N ± 8.9km 61.512 W ±11.1km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)
ML 2.9 (FDF). MD 2.9 (TRN).

ANG 0.32 286 eP 47 31.68 -1.1
eS 47 38.89
BPA 0.33 266 eP 47 32.26 -0.8
eS 47 39.97
CPB 0.64 332 iP 47 38.88 1.4
SEG 0.66 179 eP 47 38.20 0.5
MBET 0.70 243 iP 47 38.71 0.4
eS 47 50.57
MGH 0.76 243 eP 47 39.20 0.1
S 47 52.50
DEG 0.87 150 eP 47 38.93 -1.7
S 47 52.10
NEV 1.01 274 eP 47 42.46 -0.3
eS 47 57.07
DOG 1.03 186 eP 47 43.93 0.8
PAG 1.04 189 eP 47 44.11 0.9
S 48 01.60
SKI 1.20 283 eP 47 45 15 -0.3
eS 48 02.12
S.D. = 1.1 on 11 of 11 obs.

JUN 06, 1992 08h 00m 41.13± 0.90s
48.005 N ±10.5km 7.930 E ± 6.5km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.9 (LDG).

FEL 0.14 157 ePg 00 45.23 0.7
SLE 0.45 122 eP 00 49.90 -0.4
CDF 0.60 313 Pg 00 53.30 0.0
Sg 01 01.20
ZLA 0.61 149 eP 00 53.50 0.1
BSF 0.78 258 Pg 00 56.60 0.1
Sg 01 07.70
HAU 1.06 271 Pg 01 02.00 0.8
Sg 01 16.30
LPL 2.62 199 Pg 01 31.30 6.8X
LPG 2.64 198 Pg 01 32.30 7.6X
LOR 2.85 257 Pn 01 27.40 -0.1
Pg 01 35.50
Sg 02 11.70
LBF 2.87 251 Pn 01 26.70 -1.1
Pg 01 35.90
Sg 02 12.10
SSF 3.14 254 Pn 01 31.40 -0.2
Pg 01 41.00
Sg 02 20.00
BGF 3.75 249 Pg 01 52.70 12.4X
Sg 02 39.80
S.D. = 0.6 on 9 of 12 obs.

JUN 06, 1992 08h 55m 26.42± 0.82s
9.488 N ± 7.7km 122.279 E ± 6.6km
DEPTH = 45.0 ± 10.5 km
4.5mb (6 obs.) 4.0Msz (1 obs.)
NEGROS, PHILIPPINE ISLANDS (257)

MAP 1.87 64 iPd 55 56.00 -0.5
iS 56 18.00
CGP 2.60 113 ePc 56 07.50 0.6
iS 56 45.00
PLP 3.14 58 eP 56 15.50 0.9
eS 56 36.20
PPR 3.51 275 ePc 56 18.00 -1.9
iS 56 57.00
BIP 4.12 107 ePd 56 33.00 4.5X
PGP 4.20 342 ePd 56 30.00 0.4
TGY 4.77 344 eP 56 50.00 12.3X
TSM 6.76 221 iPc 57 05.90 0.2
0.3s 107.10nm 6.0mb X
KKM 6.91 241 ePd 57 07.40 -0.5
e 58 20.60
SSE 21.52 357 eP 00 12.00 -1.7
Z 18s 0.50um 4.0Msz
N 10s 0.30um
sP 00 19.50
S 04 12.00
sS 04 20.00
KMI 24.23 312 Pc 00 57.00 16.4X
1.6s 40.00nm
CHG 24.42 295 eP 00 44.00 1.7
CHTO 24.42 295 eP 00 43.90 1.6
1.0s 6.00nm 4.1mb
pP 00 53.20 33kmX
BJI 30.91 351 eP 01 24.50 -16.5X
1.2s 29.00nm
Z 16s 0.29um 4.0MszX
LZH 31.34 330 eP 01 45.50 0.4
1.2s 24.00nm 4.9mb

66d 09h

Z 15s 0.44um 4.3MszX
pP 01 59.50 56kmX
WB2 31.57 158 eP 01 46.50 -0.6
0.7s 4.10nm 4.3mb
ASPA 34.86 161 eP 02 16.20 0.6
0.5s 10.20nm 5.0mb
GUN 38.84 303 P 02 50.20 0.7
PKI 39.11 302 P 02 51.20 -0.6
KKN 39.29 303 P 02 53.40 0.2
DMN 39.37 302 P 02 54.00 0.1
GKN 39.90 303 P 02 58.80 0.7
NB2 91.69 333 P 08 32.40 2.2X
0.8s 2.50nm 4.7mb
YKA 96.04 23 eP 08 47.50 -2.6
0.4s 0.20nm 4.0mb
S.D. = 1.2 on 19 of 24 abs.

JUN 06, 1992 08h 56m 27.27± 0.45s
31.278 N ± 6.3km 141.620 E ±11.1km
DEPTH = 33.0km (normal)
4.5mb (10 obs.)
SOUTH OF HONSHU, JAPAN (211)

KAKJ 5.06 347 P 57 43.90 1.1
IIDJ 5.21 324 P 57 49.60 4.6X
CHJJ 5.24 336 P 57 44.40 -0.9
MAT 5.97 333 (P) 57 57.00 1.4
0.5s 14.08nm 4.8mb
eS 59 02.00
MTMJ 6.17 330 P 58 00.50 1.9
NIIJ 6.33 341 P 57 59.50 -1.2
YAMJ 7.00 350 P 58 07.40 -2.7
S 59 24.20
OFUJ 7.78 0 P 58 16.50 -4.6X
eS 59 36.50
KAGJ 9.19 272 eP 58 47.40 6.9X
KUMJ 9.26 281 eP 58 48.60 7.1X
CHTO 40.37 262 eP 04 03.80 0.0
1.0s 3.50nm 4.1mb
WB2 51.40 189 iPc 05 31.00 -0.2
0.3s 9.30nm 5.2mb
WRA 51.40 189 P 05 31.00 -0.2
0.7s 4.00nm 4.5mb
QIS 51.57 182 iPd 05 32.30 -0.1
FBA 53.94 30 eP 05 50.00 0.5
1.0s 4.00nm 4.4mb
ASPA 55.13 189 eP 05 58.30 -0.5
0.6s 10.00nm 5.0mb
YKA 68.72 29 eP 07 28.10 -1.3
1.0s 0.70nm 3.7mb
KAF 73.51 334 iP 07 58.20 0.0
0.5s 3.50nm 4.6mb
NUR 75.12 333 iP 08 07.80 0.3
0.6s 2.60nm 4.4mb
LRM 78.17 43 eP 08 25.10 -0.1
HFS 79.40 336 eP 08 30.60 -0.6
0.4s 0.60nm 3.9mb
DUG 81.02 48 eP 08 40.50 0.0
DAU 81.89 47 eP 08 45.61 0.4
MSU 82.36 49 eP 08 48.71 1.1
SRU 83.09 48 eP 08 51.51 0.2
PV10 84.46 48 eP 08 59.00 0.6
CLL 86.17 331 e(P) 09 16.00 9.7X
ZOBO 149.08 68 PKP 16 17.00 6.3X
LPB 149.24 68 PKP 16 18.00 7.3X
CNCB 149.49 69 PKP 16 16.00 4.7X
S.D. = 1.1 on 22 of 30 obs.

& JUN 06, 1992 09h 18m 46.06s
66.368 N 156.105 W
DEPTH = 6.1km
NORTHERN ALASKA (676)
<AEIC>. ML 2.9 (AEIC).

IMA 1.03 106 eP 19 04.78 -1.2
MLY 2.59 119 eP 19 29.93 0.6
eS 20 02.27
NEA 3.44 118 eP 19 40.04 -1.2
TTA 3.45 179 eP 19 40.72 -0.8
eS 20 34.29
KTH 3.58 140 eP 19 43.40 0.1
FBA 3.75 109 ePn 19 44.11 -1.5
TRF 3.84 137 eP 19 45.35 -1.7
WRH 3.85 116 eP 19 46.31 -0.8
GLM 3.86 107 eP 19 46.57 -0.8
CCB 3.86 113 eP 19 46.32 -0.9
HDA 4.30 113 eP 19 52.08 -1.4
SKT 4.84 153 eP 20 00.86 -0.3
SVW 5.29 177 eP 20 05.66 -1.8
SPU 5.51 159 eP 20 10.49 -0.1
BKG 5.59 160 eP 20 11.81 0.1
PMR 5.69 144 eP 20 15.90 2.8
PMS 5.90 148 eP 20 17.90 1.8
17 obs. associated

? JUN 06, 1992 09h 20m 06.31± 5.92s
44.393 N ±43.0km 11.585 E ±22.6km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

SFI 0.51 158 P 20 16.70 0.1
eSg 20 25.40
PGD 0.53 169 P 20 16.50 -0.5
eSg 20 23.50
MME 0.67 253 P 20 19.40 -0.3
eSg 20 29.50
CRE 0.81 161 P 20 22.40 0.3
eSg 20 34.30
PII 1.02 229 P 20 26.00 0.5
S.D. = 0.6 on 5 of 5 obs.

% JUN 06, 1992 09h 40m 41.69± 1.34s
16.276 N ±13.0km 61.073 W ±14.6km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)
ML 2.5 (FDF).

DEG 0.04 19 iPd 40 47.33 0.0
S 40 51.70
MGG 0.43 213 eP 40 51.13 -0.1
S 40 57.90
SEG 0.43 287 eP 40 51.24 -0.1
S 40 58.13
DOG 0.58 245 eP 40 53.57 0.1
PAG 0.63 247 eP 40 54.20 0.0
S 41 03.00
S.D. = 0.1 on 5 of 5 obs.

? JUN 06, 1992 09h 59m 05.14± 7.42s
51.629 N ±45.3km 16.246 E ±45.1km
DEPTH = 5.0km (geophysicist)
POLAND (548)
ML 3.1 (VIE).

KSP 0.79 178 iP 59 21.10 0.2
0.5s 70.00nm
iS 59 30.60
BRG 1.63 243 iPg 59 35.30 0.7
iSg 59 55.20
PRU 1.97 214 Pn 59 39.50 0.0
0.4s 14.50nm
ePg 59 41.40
e 59 44.50
Sn 59 58.50
Sg 00 04.80
CLL 2.05 262 iPn 59 40.60 -0.1
iPg 59 43.50
eSg 00 09.00
KHC 3.03 215 Pn 59 54.50 -0.1
e 00 05.00
e 00 27.50
Sg 00 38.70
HOF 3.06 246 ePn 59 54.70 -0.4
MOX 3.08 253 ePg 00 03.30 8.0X
iSg 00 42.20
VKA 3.37 179 iPgc 00 09.00 9.5X
iSg 00 52.80
KBA 4.93 204 iPnc 00 21.50 -0.3
i 00 30.40
i 01 34.70
i(Sg) 01 42.60
S.D. = 0.5 on 7 of 9 obs.

• JUN 06, 1992 10h 18m 38.06± 0.88s
6.572 S ±10.1km 147.076 E ± 9.5km
DEPTH = 13.2 ± 5.1 km
4.1mb (3 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
ML 4.6 (PMG).

LAT 0.11 223 iPd 18 40.80 -0.5
FINC 0.78 93 eP 18 53.80 0.9
eS 19 17.00
YYYY 1.15 286 eP 18 39.10 -20.3X
eS 19 18.00
MDG 1.84 315 eP 19 11.60 2.1
PMG 2.82 178 eP 19 25.00 1.4
eS 20 12.00
MNDI 3.42 277 eP 19 33.00 0.7
WWKK 4.52 310 eP 19 53.80 6.1X
RAB 5.60 65 e(P) 20 09.00 6.0X
QIS 15.68 207 eP 22 20.00 -0.3
WB2 18.15 222 iPd 22 50.30 -1.2
0.9s 13.70nm 4.1mb
RMQ 19.87 176 eP 23 12.00 0.0
ASPA 21.20 215 iPd 23 27.20 1.4
1.1s 16.90nm 4.3mb
STK 25.70 191 iPd 24 09.50 -0.1
0.7s 2.40nm 4.0mb
BJI 54.43 331 eP 28 05.00 -2.2
S.D. = 1.5 on 11 of 14 obs.

JUN 06, 1992 10h 26m 59.54± 0.31s
6.521 S ± 4.5km 147.142 E ± 7.1km
DEPTH = 13.8km (4 depth phases)
5.1mb (29 obs.) 4.5Msz (10 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
ML 5.1 (PMG).

LAT 0.19 227 iPd 27 03.30 -0.8
FINC 0.72 98 ePc 27 16.30 3.0X
eS 27 41.00
YYYY 1.20 283 eP 27 21.60 -0.1
eS 27 39.20
MDG 1.85 313 eP 27 33.50 2.4
PMG 2.87 180 iPd 27 47.00 1.3
eS 28 30.00
MNDI 3.48 276 eP 27 57.00 2.4
WWKK 4.54 309 eP 28 12.90 3.5X
RAB 5.52 65 eP 28 27.00 3.7X
CTA 13.51 184 iPc 30 15.40 2.0
1.1s 118.99nm 5.8mb
QIS 15.75 207 iPc 30 41.70 -1.0
1.0s 52.00nm 4.7mb
MTN 16.98 247 eP 30 57.00 -1.3
WB2 18.23 222 iPc 31 12.50 -1.4
0.8s 71.60nm 4.9mb
WRA 18.24 222 P 31 05.40 -8.6X
0.8s 0.80nm 2.9mb X
RMQ 19.92 176 eP 31 34.00 0.2
1.1s 132.00nm 5.2mb
i 31 38.00 15km
i 33 51.00
GUA 20.05 354 eP 31 35.80 0.5
0.8s 125.37nm 5.3mb
GUMO 20.10 354 eP 31 36.40 0.5
0.9s 153.30nm 5.3mb
e 31 37.70 5km
PJG 20.10 354 eP 31 35.70 -0.2
QLP 20.14 188 iPc 31 36.00 -0.2
0.6s 122.00nm 5.4mb
i 33 52.40
ASPA 21.28 215 eP 31 47.10 -0.8
0.9s 95.10nm 5.2mb
Z 20s 0.70um 4.0Msz
eS 35 44.70
ARMA 24.14 170 eP 32 18.00 1.7
0.9s 28.00nm 4.9mb
CMS 24.87 183 eP 32 23.00 -0.1
i 34 43.00
STK 25.76 191 iPd 32 31.20 -0.3
0.8s 8.60nm 4.5mb
i 34 48.00
CGP 26.87 303 eP 32 45.00 3.0X
BWA 27.79 178 eP 32 49.60 -0.6
PCI 27.80 280 ePc 32 53.10 2.7
0.7s 3.50nm 4.2mb
e 36 15.00
CAN 28.71 177 eP 32 59.40 0.9
BFD 30.80 187 eP 33 15.60 -1.4
1.0s 39.00nm 5.2mb
KAGJ 40.59 338 eP 34 44.60 4.1X
KUMJ 41.83 339 eP 34 50.30 -0.3
CHJJ 43.03 350 eP 35 00.10 -0.3
SHNJ 43.18 340 eP 34 59.10 -2.5
MAT 43.65 350 eP 35 04.00 -1.4
0.7s 7.53nm 4.6mb
eS 41 40.00
MTMJ 43.76 349 eP 35 05.90 -0.6
NIIJ 44.19 351 P 35 09.30 -0.5
SSE 44.89 328 Pc 35 15.00 -0.6

1.2s 51.00nm 5.3mb
Z 20s 0.40um 4.3Msz
i 37 30.50
S 42 44.00
YAMJ 44.95 352 eP 35 19.70 3.7X
OFUJ 45 65 354 eP 35 21.50 0.0
IPM 47.34 282 ePd 35 34.10 -1.2
HOOJ 48.80 356 eP 35 48.70 2.7
KUSJ 49.43 358 eP 35 53.10 2.1
ASAJ 50.57 356 eP 35 56.40 -3.2X
KMI 53.42 308 Pc 36 23.00 1.2
1 2s 40.00nm 5.3mb
pP 36 27.50 15km
CHG 53.76 299 ePc 36 25.50 1.5
1.2s 20.31nm 5.0mb
CHTO 53.76 299 eP 36 25.50 1.5
1.2s 16.67nm 4.9mb
pP 36 31.70 20km
BJI 54.42 331 eP 36 27.00 -1.5
1.5s 29.00nm 5.1mb
HON 60.50 61 P 37 30.00 18.2X
Z 20s 0.71um 4.8Msz
SMY 63.32 18 eP 37 28.78 -1.4
1.0s 38.22nm 5.5mb
Z 18s 0.51um 4.7Msz
GUN 68.27 303 P 38 01.40 -1.5
0.6s 23.00nm 5.5mb
PKI 68.54 303 P 38 02.80 -1.8
KKN 68.73 303 P 38 04.20 -1.4
0.8s 28.00nm 5.5mb
DMN 68.81 303 P 38 04.80 -1.4
GKN 69.33 303 P 38 07.60 -1.6
0.6s 15.00nm 5.3mb
HYB 71.78 291 eP 38 25.50 1.5
SDN 75.28 28 P 38 50.00 6.3X
Z 19s 0.78um 5.0Msz
POO 76.39 291 iPd 38 57.20 6.4X
TTA 81.47 23 (P) 39 18.62 1.0
1.3s 10.80nm 4.7mb
MAW 81.82 203 e(P) 39 23.00 3.8X
1.0s 10.00nm 4.8mb
SLKM 82.65 26 eP 39 25.59 1.9
SPA 83.52 180 iPd 39 28.60 0.3
0.9s 14.09nm 5.2mb
i 41 45.50 655kmX
PMR 83.61 26 eP 39 27.43 -1.1
1.1s 10.97nm 5.0mb
Z 20s 0.25um 4.6Msz
IMA 83.99 21 eP 39 30.28 -0.3
0.9s 7.33nm 4.9mb
KLU 84.97 26 eP 39 35.20 -0.3
FBA 85.60 23 eP 39 36.28 -2.2
0.9s 20.66nm 5.3mb
BRW 85.88 16 eP 39 40.90 1.2
BALM 86.40 27 eP 39 42.27 -0.4
SIT 88.70 32 P 40 00.00 6.4X
Z 18s 0.60um 5.0Msz
MBC 97.13 14 eP 40 34.00 1.9
YKA 99.56 28 eP 40 42.50 -0.9
0.9s 1.10nm 4.4mb
ALQ 107.15 56 PKP 45 40.00 12.3X
Z 18s 0.07um 4.2Msz
GOL 107.59 51 ePKP 45 30.59 2.2X
Z 19s 0.07um 4.3Msz
CCM 118.71 50 PKP 46 00.00 10.7X
Z 17s 0.03um 4.0MszX
BRG 121.21 327 e(PKP)45 55.40 1.8
PRU 121.35 326 ePKP 45 52.50 -1.4
e 45 58.50
e 48 09.50
CLL 121.48 328 e(PKP)45 54.00 -0.1
KHC 122.33 326 ePKP 45 52.50 -3.4X
e 45 58.50
e 48 09.50
GEC2 122.41 325 PKP 45 55.60 -0.5
0.6s 1.20nm
PRM 126.76 52 ePKP 46 05.57 0.6
BSF 126.79 328 ePKP 46 04.80 0.1
0.9s 8.50nm
HAU 126.92 328 ePKP 46 03.00 -1.8
0.8s 5.25nm
LPG 128.21 325 ePKP 46 08.30 0.6
0.9s 3.75nm
SGS 128.51 52 ePKP 46 06.65 -1.6
CEH 128.60 49 PKP 46 20.00 11.6X
Z 22s 0.08um 4.4Msz
BCAO 128.82 270 iPKPd 46 12.50 3.1X

0.9s 9.00nm
TCF 130.18 329 ePKP 46 11.90 0.8
0.8s 6.05nm
ZOBO 138.38 123 ePKP 46 25.00 -3.2X
TOV 143.31 82 ePKP 46 34.20 -2.1X
SIV 144.22 129 PKP 46 38.20 0.4
PPD 146.35 148 ePKP 46 42.80 1.6
VAO 147.58 155 (PKP) 46 48.00 4.8X
PAG 150.24 69 ePKP 46 52.40 4.9X
DEG 150.73 68 ePKP 46 53.70 5.5X
KIC 152.06 271 PKP 46 57.60 7.4X
LIC 152.34 271 PKP 46 57.50 6.9X
TIC 152.35 272 PKP 46 57.60 7.0X
S.D. = 1.4 on 67 of 94 obs.

? JUN 06, 1992 10h 33m 16.50± 4.89s
39.801 N ±44.1km 28.879 E ±10.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
KCT 0.60 318 iPg 33 28.10 -0.5
iSg 33 33.10
IZI 0.70 40 iPg 33 30.00 -0.4
BNT 0.92 307 ePg 33 34.60 0.5
HRT 1.18 30 iPn 33 39.10 0.5
KGT 1.37 299 ePn 33 41.50 -0.1
S.D. = 0.7 on 5 of 5 obs.

% JUN 06, 1992 10h 35m 41.00± 0.83s
39.707 N ± 7.1km 29.470 E ± 8.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
IZI 0.63 0 iPg 35 53.00 -0.7
DST 0.66 261 ePg 35 53.70 -0.4
iSg 36 04.20
ALT 0.82 142 ePn 35 57.00 0.1
YLV 0.86 355 iPn 35 58.10 0.5
KCT 1.01 303 iPn 36 00.10 -0.1
BNT 1.36 299 iPn 36 06.60 0.7
S.D. = 0.7 on 6 of 6 obs.

JUN 06, 1992 10h 50m 11.08± 0.21s
0.172 S ± 3.6km 123.093 E ± 4.7km
DEPTH = 77.7km (4 depth phases)
5.1mb (47 obs.)
MINAHASSA PENINSULA, SULAWESI (265)
PCI 3.34 257 ePd 51 02.90 0.9
e(S) 51 15.00
TSM 6.85 310 iPd 51 50.50 -0.4
0.2s 181.20nm 6.3mb X
CGP 8.72 11 eP 52 20.50 3.9X
BIP 8.91 21 ePc 52 23.00 3.7X
KKM 9.23 312 ePd 52 25.00 1.2
0.5s 76.70nm 5.8mb
eS 54 02.80
MAP 10.46 5 eP 52 25.00 -15.4X
PPR 10.79 336 ePd 52 47.50 2.6
PLP 11.42 9 eP 52 52.00 -1.2
PGP 13.75 351 ePd 53 33.80 9.8X
MTN 14.90 148 eP 53 39.00 0.1
PIP 18.54 353 ePc 54 25.30 1.0
KLI 18.80 255 eP 54 27.00 -0.3
eS 54 54.00
e 54 57.00
KGM 19.89 276 ePd 54 38.50 -0.4
WWKK 20.80 100 eP 54 49.00 0.7
MBL 21.10 188 eP 54 51.00 -0.3
WRA 22.53 151 P 55 05.59 0.1
IPM 22.54 282 ePd 55 05.80 0.1
0.9s 41.30nm 4.9mb
QIZ 23.09 326 eP 55 13.50 2.6
eS 59 19.50
MDG 23.21 103 eP 55 14.10 2.0
NANU 23.44 198 eP 55 14.00 -0.3
SNG 23.58 288 eP 55 15.00 -0.7
HKC 23.97 339 eP 55 23.00 3.6X
LAT 24.71 106 iPd 55 18.90 -7.7X
GZH 24.99 338 Pc 55 31.00 1.9
ASPA 25.60 157 eP 55 34.30 -0.7
0.6s 17.10nm 4.7mb
PMG 25.65 112 eP 55 35.00 -0.4
QIS 25.91 142 eP 55 37.00 -0.8
0.8s 45.00nm 5.0mb
i 55 55.00 79km
MEEK 26.66 189 eP 55 43.20 -1.5

NST 27.60 306 eP 55 56.50 3.3X
KHT 28.42 303 eP 56 00.00 -0.7
BDT 29.37 307 iPc 56 09.80 0.7
0.8s 26.00nm 4.9mb
MRWA 29.67 193 eP 56 10.30 -1.4
0.5s 5.00nm 4.5mb
CTA 30.10 133 P 56 25.10 9.5X
CHG 30.30 310 iPc 56 18.50 1.1
1.0s 31.25nm 5.0mb
CHTO 30.30 310 iPc 56 18.30 0.9
0.9s 24.72nm 4.9mb
pP 56 37.60 83km
GYA 30.85 330 iPd 56 23.60 1.3
0.8s 220.00nm 5.9mb
S 01 22.00
BAL 30.87 191 eP 56 20.50 -1.7
0.6s 17.00nm 5.0mb
SSE 31.15 357 P 56 25.70 1.1
Z 16s 0.40um 4.2MszX
E 12s 0.20um
S 01 16.00
KLB 31.66 189 eP 56 27.60 -1.5
WHN 31.66 346 eP 56 31.50 2.4
KMI 31.94 323 Pc 56 33.00 1.1
1.2s 40.00nm 5.1mb
NJ2 32.30 353 Pd 56 36.00 1.3
1.0s 16.00nm 4.8mb
CD2 35.95 331 P 57 06.20 0.0
1.0s 57.00nm 5.5mb
S 02 39.20
RMQ 35.99 139 e(P) 57 26.00 19.5X
STK 36.07 153 iPc 57 06.90 -0.2
0.6s 7.80nm 4.8mb
XAN 36.54 340 Pd 57 11.40 0.3
1.0s 71.00nm 5.6mb
TSRJ 37.50 17 eP 57 18.70 -0.4
CHJJ 38.95 21 P 57 29.60 -1.7
TIY 38.96 347 eP 57 31.70 0.3
Z 20s 0.38um 4.2Msz
MTMJ 39.04 19 P 57 31.10 -1.0
MAT 39.13 19 eP 57 31.00 -1.7
0.9s 31.93nm 5.2mb
NIIJ 40.03 20 eP 57 38.30 -1.8
LZH 40.27 336 eP 57 43.50 1.2
1.4s 94.00nm 5.5mb
Z 15s 0.35um 4.3MszX
E 10s 0.25um
pP 58 05.00 90kmX
ARMA 40.50 141 iPc 57 46.00 1.8
0.8s 19.00nm 5.0mb
BJI 40.52 352 eP 57 43.50 -0.5
1.4s 24.00nm 4.9mb
BFD 40.98 156 eP 57 47.00 -0.9
YAMJ 41.23 20 eP 57 49.40 -0.5
BWA 41.51 148 iPc 57 54.90 2.6
HHC 42.15 347 eP 57 58.40 0.8
1.2s 22.00nm 4.9mb
BTO 42.29 345 eP 58 01.00 2.3
CAN 42.50 148 iPc 58 01.80 1.4
LSA 42.54 317 eP 58 03.00 1.6
TOO 42.57 153 iPc 58 03.70 2.7
1.0s 69.00nm 5.4mb
OFUJ 42.61 21 P 58 01.30 0.0
CNB 42.69 148 eP 58 04.00 2.0
AOMJ 43.48 19 P 58 08.80 0.5
GTA 44.78 334 iPd 58 19.50 0.5
1.0s 44.00nm 5.2mb
MDJ 44.97 7 eP 58 19.60 -0.6
1.2s 45.00nm 5.2mb
GUN 45.30 311 P 58 22.00 -1.5
MRRJ 45.39 19 eP 58 23.30 -0.2
PKI 45.48 310 P 58 23.60 -1.3
KKN 45.69 311 P 58 25.20 -1.3
DMN 45.73 310 P 58 25.80 -1.0
HOOJ 46.10 21 eP 58 29.80 0.7
GKN 46.29 310 P 58 29.80 -1.3
0.6s 32.00nm 5.4mb
HYB 47.19 294 eP 58 38.00 -0.2
KUSJ 47.24 22 eP 58 37.80 -0.3
ASAJ 47.42 19 eP 58 39.30 -0.3
DZM 47.50 120 iPc 58 40.60 -0.1
YSS 50.03 17 iPd 58 58.30 -1.3
ZAK 53.13 344 ePd 59 22.10 -0.7
1.4s 23.00nm 5.0mb
WMQ 53.99 329 P 59 29.00 -0.4
0.8s 15.00nm 5.1mb
IRK 54.59 346 eP 59 32.20 -1.4

1.8s 30.00nm 5.0mb
MOY 54.94 343 eP 59 35.90 -0.2
1.2s 48.00nm 5.4mb
BOD 58.28 354 iPc 59 58.10 -1.7
1.1s 26.00nm 5.3mb
KSH 58.33 318 P 00 03.00 2.4
0.5s 15.00nm 5.4mb
PET 60.72 24 iPc 00 16.00 -0.5
1.0s 57.00nm 5.6mb
GAR 62.00 315 eP 00 24.50 -1.2
YAK 62.23 4 iPc 00 24.40 -2.2
1.1s 55.00nm 5.6mb
MGD 63.83 15 ePc+ 00 36.00 -1.2
1.0s 70.00nm 5.6mb
e 01 00.00 95kmX
e 01 15.00
CSY 66.58 186 iPc 00 54.40 -0.4
0.7s 9.30nm 4.8mb
e 01 11.70 64kmX
SMY 67.65 31 eP 01 01.47 -0.3
0.9s 98.19nm 5.7mb
Z 20s 1.04um 5.0Msz
NRI 73.31 348 iPc 01 33.00 -2.7
1.3s 36.00nm 5.1mb
e 01 53.00 75km
SVE 75.41 330 ePd 01 47.00 -1.0
e 02 06.80 74km
ILT 78.66 19 iPc 02 05.00 -0.8
1.4s 46.00nm 5.2mb
i 02 09.00 13kmX
e 02 44.00
MAW 78.87 200 iPd 02 07.40 0.4
1.0s 17.00nm 4.9mb
HON 79.73 68 P 02 20.00 7.5X
Z 19s 0.46um 4.8Msz
GRS 79.90 310 eP 02 13.00 -0.4
1.7s 20.00nm 4.8mb
e 02 16.00 10kmX
ANM 82.29 24 eP 02 25.36 0.2
SDN 82.43 34 eP 02 25.53 -0.4
0.6s 86.50nm 5.9mb
SVW 85.93 29 eP 02 44.90 1.3
TTA 86.00 27 eP 02 43.61 -0.4
0.7s 3.85nm 4.5mb
BRW 87.00 19 eP 02 50.20 1.6
IMA 87.40 24 eP 02 50.45 -0.3
0.7s 6.68nm 4.9mb
CRP 87.62 29 (P) 02 50.79 -1.1
OBN 88.12 325 eP 03 14.00 19.7X
e 04 10.00 229kmX
PMS 88.87 29 eP 02 57.20 -0.6
1.1s 19.60nm 5.2mb
PMR 89.09 29 P 03 10.00 11.3X
Z 19s 0.25um 4.6Msz
SPA 89.83 180 iPd 03 03.30 1.0
1.0s 10.00nm 5.0mb
TOA 90.50 28 eP 03 06.20 0.8
KLU 90.62 29 eP 03 05.66 -0.3
KAF 93.34 332 eP 03 17.50 -0.8
BUL 94.15 250 iPd 03 22.30 -0.8
0.6s 4.00nm 5.0mb
NUR 94.31 331 eP 03 19.80 -3.0X
SIT 96.44 33 P 03 40.00 7.4X
Z 19s 1.20um 5.4Msz
MBC 96.52 12 eP 03 32.50 -0.2
HFS 99.72 331 eP 03 45.20 -2.3
0.2s 0.20nm 4.4mb
YKA 104.52 24 ePdiff04 09.80 1.0
0.8s 0.40nm 4.5mb
HVU 114.94 43 (PKP) 08 44.77 -0.4
DUG 115.55 45 ePKP 08 46.16 -0.2
MSU 116.67 46 ePKP 08 48.83 0.1
EMUT 117.11 44 ePKP 08 49.50 0.0
SRU 117.60 45 ePKP 08 49.63 -0.8
GOL 120.89 42 ePKP 08 56.83 0.1
Z 19s 0.09um 4.4Msz
e 09 18.40
ALQ 122.32 48 ePKP 08 59.97 0.5
e 09 20.99
LPB 160.07 147 PKP 10 06.00 2.3X
ZOBO 160.25 146 PKP 10 05.80 1.6
SIV 163.42 166 PKP 10 07.60 1.0
S.D. = 1.2 on 113 of 128 obs.

& JUN 06, 1992 11h 33m 32.69s
62.006 N 149.840 W
DEPTH = 45.7km
4.5mb (18 obs.)
CENTRAL ALASKA (1)
<AEIC>. ML 4.7 (AEIC), 4.6 (PMR). Felt (III) at Anchorage, Palmer, Talkeetna, Wasilla and Willow.

PWA 0.36 183 P 33 42.20 0.2
CUT 0.45 333 iPd 33 42.56 -0.5
GHO 0.49 118 iPd 33 43.26 -0.5
eS 33 52.23
PLRM 0.53 141 iPc 33 43.29 -0.9
PMR 0.53 141 iPc 33 42.98 -1.2
SUA 0.69 219 iPd 33 46.23 -0.2
SML 0.74 105 iPc 33 45.92 -1.0
eS 33 58.08
PMS 0.78 170 P 33 46.90 -0.5
SKT 0.80 269 iPc 33 46.89 -0.8
eS 33 58.65
KNK 0.89 131 iPc 33 48.21 -0.8
eS 34 01.49
HUR 0.98 5 iPc 33 49.48 -0.8
SCM 1.20 97 iPc 33 52.47 -1.0
PTE 1.21 161 eP 33 52.70 -0.7
CGLM 1.25 237 P 33 53.70 -0.4
NCG 1.26 242 eP 33 53.26 -1.0
CRP 1.33 237 iPc 33 54.07 -1.3
SPU 1.34 233 iPc 33 54.85 -0.6
CPKM 1.36 238 ePc 33 55.19 -0.7
CKN 1.37 236 ePc 33 55.44 -0.3
BGL 1.43 240 ePc 33 55.85 -0.8
CKL 1.44 237 iPc 33 56.04 -0.8
TRF 1.47 352 iPc 33 56.22 -1.0
RND 1.48 18 iPc 33 56.17 -1.1
BKG 1.49 232 ePc 33 56.96 -0.6
SLKM 1.51 187 ePc 33 56.79 -1.0
KTH 1.63 343 iPc 33 58.70 -0.8
TOA 1.73 85 P 34 00.60 -0.3
MCK 1.78 13 ePc 34 00.70 -0.9
eS 34 23.37
VZW 1.84 120 ePc 34 01.23 -1.2
VLZ 1.89 116 iPc 34 01.50 -1.6
eS 34 24.55
SEW 1.92 174 eP 34 02.39 -1.1
KLU 1.93 104 iPc 34 02.36 -1.4
eS 34 25.86
DFR 1.97 225 iPc 34 03.92 -0.5
REF 2.06 224 iPc 34 05.11 -0.5
SDG 2.08 74 ePc 34 04.83 -0.9
TZL 2.08 87 iPc 34 05.18 -0.6
NNL 2.09 200 ePc 34 05.85 -0.1
RSO 2.09 224 iPc 34 05.68 -0.5
RS2 2.09 224 iPc 34 05.72 -0.5
RS1 2.10 224 iPc 34 05.72 -0.5
RED 2.13 223 iPc 34 06.07 -0.5
eS 34 31.76
BWN 2.18 4 ePc 34 06.16 -1.0
PAX 2.25 63 ePc 34 07.18 -1.1
HIN 2.28 134 iPc 34 06.76 -1.9
BRLK 2.31 193 eP 34 09.55 0.5
THY 2.36 51 eP 34 08.59 -1.1
CVA 2.46 125 iPc 34 09.00 -2.2
INE 2.50 228 ePc 34 11.06 -0.9
HOM 2.52 201 eP 34 11.89 -0.1
INW 2.52 221 ePc 34 11.16 -1.0
DDM 2.55 44 eP 34 12.96 0.4
CNPM 2.58 196 eP 34 11.87 -1.1
WRH 2.60 17 eP 34 11.47 -1.7
NEA 2.60 7 ePc 34 11.31 -2.0
HDA 2.74 27 ePc 34 13.57 -1.7
DJE 2.78 41 eP 34 15.02 -0.7
CCB 2.81 18 iPd 34 14.21 -1.9
SVW 2.91 255 iPc 34 15.71 -2.0
GLB 2.93 98 iPc 34 15.79 -2.1
eS 34 49.72
TTA 3.01 291 iPc 34 16.60 -2.6
FBA 3.05 17 iPd 34 17.28 -2.3
MLY 3.06 353 ePc 34 17.77 -2.1
MID 3.11 145 P 34 20.00 -0.4
DOT 3.12 56 eP 34 21.03 0.4
AUL 3.17 215 eP 34 21.77 0.5
AUE 3.17 215 eP 34 21.65 0.3
AUP 3.18 215 eP 34 21.23 -0.4
GLM 3.19 19 ePd 34 19.54 -2.1
AUH 3.19 215 eP 34 22.40 0.8
AUI 3.21 215 eP 34 22.13 0.3
KAIM 3.37 126 eP 34 20.83 -3.2
MCNL 3.60 220 eP 34 25.78 -1.5
TGL 3.60 107 ePc 34 24.58 -2.9
CDD 3.62 213 ePd 34 26.05 -1.5
SYI 3.64 202 eP 34 26.61 -1.2
BALM 3.72 102 iPc 34 26.21 -3.0
PRP 4.01 27 eP 34 31.52 -1.9
CYK 4.06 115 eP 34 31.69 -2.2
YAH 4.25 109 eP 34 33.96 -2.8
WRG 4.28 114 eP 34 34.78 -2.3
IMA 4.41 339 iPc 34 36.13 -2.9
KDC 4.48 199 eP 34 36.26 -3.4
FYU 5.00 22 ePc 34 45.12 -1.9
ANM 7.45 297 eP 35 18.04 -3.5
SDN 8.68 224 (P) 35 36.39 -2.0
SIT 8.88 117 eP 35 35.30 -5.9
BRW 9.72 347 eP 35 42.89 -9.9
YKA 16.30 73 eP 37 16.70 -2.8
0.8s 2.30nm 3.4mb X
MBC 17.56 24 eP 37 32.00 -3.3
0.6s 8.00nm 4.0mb
ADK 17.67 247 (P) 37 34.13 -2.5
0.8s 21.12nm 4.3mb
RMW 21.53 120 (P) 38 17.29 -2.3
LON 22.10 121 (P) 38 19.79 -5.4
NEW 22.90 112 eP 38 31.79 -1.2
0.9s 14.47nm 4.4mb
FCC 27.02 72 ePc 39 09.60 -2.2
pP 39 25.50 67kmX
RSSD 31.94 103 eP 39 53.00 -3.2
0.5s 8.38nm 4.8mb
epP 40 14.30 93kmX
EMUT 32.37 115 eP 39 57.40 -2.5
MSU 32.88 118 eP 40 02.19 -2.2
SRU 33.08 115 eP 40 03.18 -2.8
FVM 43.11 95 (P) 41 24.81 -4.9
0.5s 9.46nm 4.8mb
PRM 50.07 91 eP 42 20.27 -4.3
JSC 50.43 90 eP 42 22.89 -4.4
NB2 56.43 11 P 43 04.90 -6.5
0.9s 2.00nm 4.1mb
HFS 57.53 10 eP 43 12.00 -7.1
0.4s 0.70nm 4.1mb
EKA 60.11 21 Pc 43 32.00 -5.1
0.7s 4.60nm 4.7mb
LPF 67.50 22 eP 44 20.70 -4.8
1.0s 19.60nm 5.1mb
HAU 68.69 17 eP 44 27.90 -5.1
0.7s 3.40nm 4.4mb
GEC2 68.72 12 Pc 44 27.80 -5.4
0.5s 0.92nm 4.0mb
BSF 68.92 17 eP 44 29.80 -4.7
0.6s 3.00nm 4.4mb
LOR 69.05 19 eP 44 30.20 -5.0
0.4s 2.20nm 4.5mb
SSF 69.20 19 eP 44 31.10 -5.0
1.0s 10.00nm 4.7mb
AVF 69.44 19 eP 44 32.50 -5.0
0.9s 3.10nm 4.3mb
LSF 69.67 21 eP 44 33.80 -5.1
0.8s 8.60nm 4.8mb
KBA 70.43 12 iPc 44 36.10 -7.7
0.6s 5.00nm 4.7mb
i 44 39.70
LFF 70.81 22 eP 44 41.40 -4.4
0.7s 9.25nm 4.9mb
SPA 151.85 180 iPKPd 53 18.80 3.2
0.7s 12.89nm
115 obs. associated

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* JUN 06, 1992 11h 37m 20.46± 0.77s
37.433 N ±19.2km 72.103 E ±23.0km
DEPTH = 33.0km (normal)
4.0mb (5 obs.)
TAJIKISTAN (715)

NDI 9.72 152 eP 39 42.00 0.9
eS 41 21.00
GKN 14.12 128 P 40 40.60 0.2
0.4s 21.00nm 5.2mb X
KKN 14.67 127 P 40 47.60 -0.1
0.4s 21.00nm 4.9mb X
DMN 14.69 128 P 40 48.00 0.1
0.6s 36.00nm 5.0mb X
PKI 14.91 127 P 40 50.40 -0.5
HFS 42.89 321 eP 45 16.80 -0.3
0.4s 1.80nm 4.2mb
NB2 44.18 322 P 45 27.30 -0.3

0.5s 0.90nm 3.8mb
MBC 66.36 3 eP 48 09.00 1.5
0.6s 2.00nm 4.4mb
YKA 80.27 3 eP 49 28.80 -0.1
0.5s 0.80nm 4.0mb
WRA 81.74 123 P 49 35.80 -1.5
0.5s 0.40nm 3.7mb
S.D. = 0.9 on 10 of 10 obs.

• JUN 06, 1992 12h 31m 49.55± 1.82s
5.885 S ±19.9km 146.584 E ±15.9km
DEPTH = 125.0 ± 15.7 km
4.3mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

YYYY 0.71 240 iPd 32 10.20 0.3
LAT 0.87 152 ePc 32 11.60 0.6
MDG 1.02 308 eP 32 12.00 -0.5
FINC 1.46 120 eP 32 17.30 0.1
MNDI 2.92 265 eP 32 39.00 3.1X
PMG 3.55 171 eP 32 43.00 -1.0
WB2 18.35 219 eP 35 57.70 0.4
0.4s 6.10nm 4.3mb
S.D. = 0.9 on 6 of 7 obs.

• JUN 06, 1992 13h 01m 48.44± 0.84s
38.713 N ± 8.1km 22.859 E ±12.8km
DEPTH = 33.0km (normal)
GREECE (364)
ML 3.0 (ATH).

ATH 1.00 137 ePb 02 07.00 0.8
KZN 1.80 332 ePn 02 18.00 0.3
VLS 1.86 254 ePn 02 19.50 0.9
VLI 1.99 178 ePn 02 19.20 -1.3
VAY 2.61 355 ePn 02 29.40 0.2
OHR 2.87 327 eP 02 32.00 -0.9
S.D. = 1.2 on 6 of 6 obs.

• JUN 06, 1992 13h 08m 18.83± 1.77s
60.554 N ± 7.8km 4.830 E ±16.0km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
MD 1.5 (BER). ML 1.1 (NAO).

ASK 0.19 111 eP 08 23.13 0.0
eS 08 25.95
BER 0.30 124 eP 08 25.36 0.2
eS 08 28.68
EGD 0.35 145 eP 08 25.89 0.0
eS 08 31.24
SUE 0.51 356 eP 08 29.10 0.0
eS 08 36.85
HYA 0.90 47 eP 08 36.29 0.2
eS 08 48.49
NRA0 3.31 84 Pn 09 11.32 -0.4
Pg 09 16.77
Lg 10 06.41
S.D. = 0.3 on 6 of 6 obs.

• JUN 06, 1992 13h 43m 47.08± 1.40s
6.168 S ±12.9km 147.579 E ±14.4km
DEPTH = 53.5 ± 12.0 km
4.3mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.52 148 iPc 43 58.20 -0.7
LAT 0.75 230 iPd 44 02.80 1.1
YYYY 1.61 267 eP 44 17.50 3.9X
PMG 3.25 187 eP 44 37.00 0.2
eS 45 20.00
MNDI 3.90 270 eP 44 51.00 4.9X
RAB 4.98 67 e(P) 45 05.00 3.8X
OIS 16.26 208 eP 47 33.00 -0.5
WB2 18.78 222 iPd 48 03.30 -1.5
0.3s 6.10nm 4.3mb
iS 51 45.10
RMO 20.24 177 eP 48 21.00 0.4
i 48 24.00
ARMA 24.42 172 eP 49 03.00 0.9
MAT 43.38 349 eP 51 46.00 0.0
KIC 152.49 272 (PKP) 03 43.90 11.1X
S.D. = 1.1 on 8 of 12 obs.

JUN 06, 1992 13h 47m 53.44± 1.48s
60.555 N ± 7.4km 4.802 E ±13.7km
DEPTH = 10.0km (geophysicist)

SOUTHERN NORWAY (535)
MD 1.8 (BER).

ASK 0.21 110 iPc 47 57.98 0.0
eS 48 01.40
EGD 0.35 143 eP 48 00.73 0.0
eS 48 05.80
SUE 0.50 358 eP 48 03.75 0.1
eS 48 11.35
HYA 0.91 47 eP 48 10.91 0.0
eSg 48 23.18
FOO 1.05 6 eP 48 12.84 -0.4
eS 48 27.74
FRO 1.21 2 eP 48 16.08 0.2
eS 48 31.90
MOL 2.41 32 eP 48 33.76 0.2
eS 49 03.49
NRA0 3.32 84 Pn 48 46.39 -0.1
Sg 49 41.43
S.D. = 0.2 on 8 of 8 obs.

JUN 06, 1992 14h 51m 39.19± 0.31s
21.026 S ± 6.0km 70.291 W ± 8.6km
DEPTH = 36.6km (4 depth phases)
5.0mb (13 obs.)
NEAR COAST OF NORTHERN CHILE (122)

ANT 2.67 182 iPc 52 18.30 -2.4
iS 52 56.00
ARE 4.68 346 eP 52 49.00 -0.6
iS 53 39.80
CNCB 4.73 28 Pc 52 55.00 4.4X
LPB 4.93 25 iPc 53 01.00 7.7X
1.1s 683.54nm
ZOBO 5.14 24 iP 53 02.00 5.6X
CCH 5.34 48 P 53 05.50 6.6X
RTPR 9.84 161 iPc 54 02.50 1.2
SIV 10.08 62 P 54 04.60 -0.1
RTLL 10.39 171 e(P) 54 05.00 -3.9X
RTCB 10.50 173 ePd 54 11.00 0.5
CFA 10.70 171 e(P) 54 11.30 -1.8
NNA 10.96 324 eP 54 18.20 1.4
0.6s 11.33nm 5.2mb
eS 56 04.00
PPD 17.69 97 eP 55 45.30 0.8
VAO 21.71 100 eP 56 31.40 2.2
CEH 57.22 352 eP 01 24.38 -0.7
0.4s 5.26nm 4.9mb
TKL 57.80 347 eP 01 27.65 -1.6
GBTN 57.90 347 eP 01 27.79 -2.2
CVL 59.19 352 eP 01 38.60 -0.3
NA2 59.25 353 eP 01 37.42 -1.9
VVO 61.03 336 eP 01 50.20 -1.3
RLO 61.51 337 eP 01 53.70 -1.1
LNO 61.56 337 eP 01 53.70 -1.3
SIO 61.61 336 eP 01 54.00 -1.5
FVM 61.67 342 eP 01 53.94 -1.9
1.3s 69.15nm 5.6mb
CCM 61.98 341 eP 01 55.74 -2.2
1.1s 22.54nm 5.2mb
i 02 37.90 180kmX
ALQ 65.40 328 eP 02 20.74 0.1
1.0s 9.24nm 4.8mb
LMN 66.74 4 eP 02 31.00 2.3
EEO 67.81 353 eP 02 37.50 2.0
GOL 68.72 332 eP 02 41.96 0.3
1.2s 19.38nm 5.0mb
SPA 69.10 180 iPd 02 44.10 0.5
0.9s 14.09nm 5.0mb
LIC 69.50 75 PKP 02 46.50 -0.1
TIC 69.68 74 PKP 02 45.60 -2.1
KIC 69.81 75 PKP 02 46.80 -1.7
PLM 69.98 320 eP 02 50.51 1.1
PEC 70.53 320 eP 02 53.39 0.8
SRU 70.68 328 iP 02 53.60 0.0
MSU 71.07 326 eP 02 55.97 0.0
ARUT 71.19 325 eP 02 58.11 1.5
EMUT 71.37 328 eP 02 58.00 0.2
DAU 72.04 328 eP 03 02.28 0.4
ISA 72.53 320 eP 03 05.07 0.5
1.1s 18.89nm 5.0mb
DUG 72.66 327 eP 03 05.81 0.5
1.3s 22.39nm 5.0mb
TNP 73.48 323 eP 03 10.65 0.5
0.8s 6.03nm 4.6mb
HVU 73.83 328 eP 03 12.14 0.1
e 03 24.74 43km
BONR 74.00 322 eP 03 14.48 1.1
ULM 74.49 343 eP 03 16.00 0.5
HPI 75.44 329 eP 03 22.53 1.0
LRM 76.74 331 eP 03 29.70 0.9
ORV 76.92 322 eP 03 30.22 0.6
epP 03 41.02 35km
LBFM 78.34 323 eP 03 38.12 0.5
SES 79.69 335 eP 03 44.00 -0.6
pP 03 55.00 36km
DPW 80.92 330 eP 03 51.70 0.6
epP 04 02.05 33km
FCC 81.89 348 ePd 03 58.50 2.7X
RMW 82.38 328 eP 03 58.23 -0.6
PNT 82.60 330 eP 04 01.00 1.2
0.5s 2.00nm 4.4mb
MAW 85.15 164 iPd 04 12.80 0.3
1.0s 10.00nm 5.0mb
YKA 90.32 341 eP 04 35.70 -1.6
1.1s 7.00nm 4.9mb
WRA 132.68 212 PKP 10 53.00 0.4
0.7s 1.60nm
KSH 145.82 50 PKP 11 18.00 2.0
NIIJ 149.90 309 PKP 11 27.50 5.2X
CHJJ 150.38 307 PKP 11 28.90 5.8X
HYB 150.39 92 ePKP 11 28.50 4.9X
MAT 150.77 308 ePKP 11 29.00 5.3X
0.7s 10.27nm
WMQ 150.81 34 PKP 11 28.80 5.2X
MTMJ 151.05 308 PKP 11 30.40 6.2X
GTA 159.81 23 ePKP 11 36.50 0.9
HHC 160.18 356 ePKP 11 36.40 0.5
LZH 164.14 18 ePKP 11 38.50 -1.6
NJ2 166.31 325 PKPc 11 43.00 1.3
S.D. = 1.3 on 57 of 69 obs.

? JUN 06, 1992 15h 21m 41.56± 5.19s
41.847 N ±43.4km 28.865 E ±16.5km
DEPTH = 33.0km (normal)
TURKEY (366)

ISK 0.79 169 iPg 21 56.00 -0.3
iSg 21 59.50
YLV 1.34 163 ePg 22 04.50 0.4
eSg 22 15.00
IZI 1.58 163 ePg 22 07.80 0.2
KCT 1.64 194 iPn 22 08.00 -0.5
BNT 1.65 206 iPn 22 09.00 0.4
BBTK 3.57 123 iPgc 22 36.00 -0.1
iSg 22 40.00
S.D. = 0.5 on 6 of 6 obs.

• JUN 06, 1992 15h 41m 10.12± 0.84s
38.428 N ± 8.4km 22.109 E ± 9.3km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 3.2 (ATH).

VLS 1.22 259 ePn 41 32.70 -0.2
eSn 41 52.70
ATH 1.35 109 ePb 41 35.50 0.6
VLI 1.83 159 ePn 41 41.50 -0.3
KZN 1.89 352 ePn 41 42.70 -0.1
KEK 2.21 306 ePb 41 54.00 6.6X
OHR 2.86 340 eP 41 58.30 1.6
VAY 2.91 7 iPn 41 55.80 -1.5
SKO 3.58 352 ePn 42 13.00 6.2X
S.D. = 1.3 on 6 of 8 obs.

JUN 06, 1992 15h 51m 43.25± 0.19s
12.813 N ± 3.7km 88.252 W ± 3.5km
DEPTH = 84.9km (12 depth phases)
5.2mb (52 obs.)
OFF COAST OF CENTRAL AMERICA (76)
Mo=5.0*10**17 Nm (PPT). Felt
(IV) at San Salvador, El
Salvador. Also felt at
Tegucigalpa, Honduras.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 76C
Centroid Location:
Origin Time 15:51:43.5 0.3
Lat 12.68N 0.03 Lon 88.56W 0.03
Dep 53.0 2.3 Half-duration 2.4
Moment Tensor; Scale 10**17 Nm
Mrr=-1.23 0.06 Mtt= 2.43 0.09
Mff=-1.21 0.12 Mrt= 0.92 0.09

06d 15h

Mrf=-1.20 0.09 Mtf=-0.48 0.07
Principal Axes:
T Val= 2.80 Plg=16 Azm= 12
N -0.35 39 115
P -2.44 47 264
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 61 Dip=45 Slip=-153
NP2: 311 71 -48
VSM 0.61 358 iPd 51 58.30 -0.7
OZA 1.01 314 iPc 51 58.90 -4.1X
SJAS 1.23 314 iPd 52 02.40 -3.4X
LFU 1.25 318 iPc 52 03.00 -3.0X
TME 1.61 318 iPc 52 07.90 -2.7X
CUSS 1.98 304 iP 52 11.50 -4.1X
TPX 4.41 299 iP 52 45.90 -3.3X
iS 53 33.00
SJS 5.01 124 eP 52 57.20 -0.5
LCR2 5.17 126 eP 52 59.76 -0.1
ICR 5.17 123 eP 53 00.05 -0.1
OCR 5.23 129 ePd 52 59.94 -0.6
VCR 5.26 120 ePd 52 36.98 -24.2X
BUS 5.47 126 eP 53 04.08 -0.3
SCX 5.76 313 iP 53 07.20 -0.7
iS 54 17.00
OXX 9.22 298 eP 53 52.82 -2.9
LVVM 10.45 312 iP 54 10.83 -1.4
IISM 10.71 306 iP 54 10.00 -5.6X
IIT 11.47 304 iP 54 24.87 -1.2
PPM 11.75 303 (P) 54 28.96 -1.1
IIA 11.82 304 eP 54 29.76 -0.7
ACX 11.92 291 iP 54 29.13 -2.7
III 12.14 299 (P) 54 15.78 -19.1X
UNM 12.34 303 eP 54 36.20 -1.4
(S) 56 39.00
MRX 14.18 301 iP 55 01.49 0.1
PSO 15.83 136 eP 55 25.50 2.6
BMG 16.00 109 eP 55 24.50 -0.2
CGX 16.12 297 (P) 55 29.12 2.7
COLM 16.13 295 (P) 55 26.00 -0.4
BOG 16.20 119 eP 55 40.00 12.4X
eS 58 58.50
SDV 17.74 101 eP 55 46.10 -0.3
TOV 18.35 98 iP 55 54.10 0.3
eS 59 21.50
CEOS 19.91 99 eP 56 09.10 -1.7
MZX 20.11 303 iP 56 13.00 0.3
MZX 20.11 303 eP 56 14.20 1.5
OLLA 21.20 95 eP 56 23.90 -0.1
HBF 21.28 19 eP 56 26.62 2.1
SGS 21.48 18 eP 56 28.72 2.2
e 56 46.06 79km
PRM 21.84 13 eP 56 31.84 1.7
PWLA 22.07 0 eP 56 33.07 0.7
JSC 22.30 15 ePc 56 36.80 2.3
GUAN 22.34 95 eP 56 35.30 0.0
LHS 22.60 16 eP 56 39.84 2.3
OLY 22.78 353 eP 56 39.72 0.5
e 56 57.73 81km
GBTN 23.04 8 eP 56 43.13 1.3
TKL 23.10 9 eP 56 44.05 1.6
e 57 03.83 90km
GRT 23.37 358 (P) 56 46.56 1.6
VVO 23.42 344 eP 56 46.20 0.7
LST 23.65 357 eP 56 48.80 1.2
MEO 23.80 339 iPd 56 49.30 0.1
FKO 23.83 341 iPc 56 50.10 0.6
SIO 23.96 344 eP 56 50.80 0.0
TUL 23.98 345 ePc 56 50.80 -0.1
0.7s 299.30nm 5.8mb
Z 20s 2.20um 4.6Msz
e 57 19.50 141kmX
e 57 41.60
e 01 26.00
LR 05 09.00
LNO 23.98 345 eP 56 50.40 -0.4
RLO 24.04 346 eP 56 51.80 0.3
OCO 24.10 341 iPc 56 55.00 2.9X
CEH 24.42 18 eP 56 56.57 1.5
0.7s 251.60nm 5.8mb
Z 20s 2.22um 4.6Msz
e 57 15.33 84km
PCO 25.04 343 iPc 57 02.20 1.2
FVM 25.14 356 eP 57 00.92 -1.0
0.6s 70.29nm 5.3mb
CCM 25.28 354 ePc 57 03.22 0.0
0.7s 164.60nm 5.6mb

Z 22s 3.42um 4.8Msz
BLA 25.29 15 eP 57 04.34 1.0
0.7s 84.54nm 5.3mb
e 57 26.63 103kmX
e 57 43.25
NAV 25.30 14 eP 57 04.12 0.7
ACO 25.72 340 iPd 57 07.30 0.0
SLM 25.78 356 P 57 20.00 12.2X
Z 20s 3.07um 4.8Msz
PAG 25.93 80 eP 57 00.00 -9.5X
CVL 26.54 18 eP 57 15.54 0.7
NA2 26.89 19 eP 57 16.94 -1.1
CBN 27.08 19 iPd 57 21.20 1.5
e 57 42.00 93km
NNA 27.12 155 eP 57 25.50 5.2X
0.8s 11.19nm 4.5mb
iS 02 16.00
ALQ 27.52 326 eP 57 24.80 0.8
0.8s 94.86nm 5.4mb
Z 22s 1.14um 4.4Msz
LVNJ 30.30 21 eP 57 49.09 0.6
e 58 09.73 90km
DLA 30.49 10 P 57 49.30 -0.9
GMTN 30.56 21 iP 58 02.30 11.4X
LDN 30.73 10 P 57 51.20 -1.1
GOL 30.75 334 eP 57 53.19 0.3
0.8s 314.50nm 6.1mb
Z 21s 1.49um 4.6Msz
TBR 30.78 21 eP 57 53.06 0.3
ELF 30.86 10 P 57 52.20 -1.3
TYNO 31.03 12 P 57 54.72 -0.3
STCO 31.29 13 P 57 58.81 1.6
ACTO 31.49 11 P 57 58.86 -0.1
GLA 31.54 314 ePd 58 00.19 0.5
WLVO 32.14 13 P 58 04.48 -0.1
SRU 32.79 327 eP 58 10.50 -0.1
HRV 32.94 23 P 58 20.00 8.4X
Z 19s 1.39um 4.7Msz
PLM 33.14 313 eP 58 12.96 -0.8
MSU 33.27 325 eP 58 15.33 0.5
EMUT 33.45 328 eP 58 16.76 0.3
ARE 33.48 150 eP 58 18.00 1.1
ARUT 33.51 322 eP 58 17.18 0.3
PEC 33.64 313 eP 58 18.60 0.7
0.8s 17.61nm 5.0mb
DAU 34.12 328 eP 58 22.19 -0.1
SSK 34.18 314 eP 58 23.55 0.8
EEO 34.60 11 eP 58 28.00 2.1
DUG 34.79 326 eP 58 28.37 0.5
0.8s 24.18nm 5.2mb
ZOBO 35.10 145 iPc 58 31.80 0.6
S 04 08.00
LR 10 54.00
LPB 35.31 145 P 58 35.00 2.2
Z 20s 4.26um 5.2Msz
LR 10 58.00
ISA 35.49 315 ePc 58 34.70 1.0
0.8s 23.43nm 5.2mb
Z 22s 1.63um 4.7Msz
ABL 35.59 313 eP 58 35.16 0.4
ePcP 01 05.38
CNCB 35.60 145 iPc 58 36.70 1.3
S 04 51.00
HVU 35.90 328 eP 58 37.02 -0.2
TNP 36.02 319 eP 58 39.05 0.7
0.6s 29.65nm 5.4mb
MIM 36.23 23 eP 58 40.33 0.7
e 59 01.32 88km
BCH 36.37 313 eP 58 42.27 1.1
ePcP 01 04.80
EMM 36.43 25 (P) 58 42.62 1.3
PTI 36.50 330 (P) 58 42.60 0.4
BONR 36.64 318 eP 58 44.63 1.0
PKEM 36.83 314 (P) 58 45.07 0.2
PHAM 36.92 314 eP 58 46.28 0.6
CCH 37.11 143 P 58 49.50 1.8
KVN 37.15 320 eP 58 48.49 0.7
HPI 37.48 330 eP 58 51.76 1.2
ULM 37.85 352 ePc 58 53.20 -0.1
pP 59 12.00 78km
LMN 38.46 27 eP 59 01.00 2.6
ARN 38.47 315 eP 58 59.57 0.9
LRM 38.77 333 eP 59 01.50 0.2
SIV 39.26 136 P 59 05.40 -0.1
ORV 39.61 318 (P) 59 09.34 1.3
LTCM 40.37 319 (P) 59 15.40 1.1
LBFM 40.85 320 eP 59 18.34 -0.1

SES 41.85 338 ePc 59 26.30 -0.1
0.7s 352.00nm 6.3mb X
pP 59 37.00 37kmX
FHC 41.88 318 eP 59 28.51 1.8
0.9s 173.15nm 5.9mb
VGB 42.70 326 eP 59 34.22 0.9
e 59 54.49 84km
DPW 42.95 330 eP 59 34.98 -0.4
SHW 43.92 326 eP 59 44.45 1.1
LON 44.03 327 eP 59 43.28 -0.9
ePcP 01 29.21
RMW 44.48 328 eP 59 47.28 -0.6
PNT 44.63 331 eP 59 49.00 0.1
0.7s 269.00nm 6.2mb X
BMW 44.63 326 eP 59 49.01 0.0
ePcP 01 31.96
GMW 45.05 327 eP 59 50.98 -1.3
ePcP 01 33.20
MCW 45.79 328 eP 59 57.37 -0.7
FCC 46.07 356 ePc 00 00.60 0.5
PGC 46.09 328 eP 00 01.00 0.6
0.7s 100.00nm 5.8mb
RTPR 47.70 154 iPc 00 13.20 -0.1
RTC8 47.84 157 iPc 00 14.50 0.0
CFA 48.16 157 e(P) 00 16.10 -0.8
PPD 50.12 133 eP 00 32.20 0.2
YKA 53.06 345 eP 00 51.70 -1.9
0.8s 152.50nm 6.1mb
VAO 53.86 131 (P) 00 59.00 -1.1
PDCR 54.85 115 (P) 01 06.00 -1.4
SIT 56.80 331 P 01 30.00 9.2X
Z 20s 1.84um 5.2Msz
GDH 60.55 13 iPc 01 46.00 -0.6
1.0s 60.00nm 5.7mb
e 05 25.00
e 09 57.00
BALM 61.90 333 eP 01 55.12 -0.9
KLU 63.67 333 eP 02 06.40 -1.2
RUV 64.80 246 iP 02 14.90 -0.6
1.2s 80.00nm 5.5mb
TPT 64.93 247 iP 02 16.00 -0.3
1.2s 55.00nm 5.4mb
VAH 65.04 246 iP 02 16.60 -0.4
1.2s 60.00nm 5.4mb
PMR 65.13 333 eP 02 15.36 -1.6
0.7s 81.60nm 5.8mb
Z 21s 1.40um 5.1Msz
PMO 65.19 247 iP 02 17.80 -0.2
1.2s 75.00nm 5.5mb
SLKM 65.27 331 eP 02 16.42 -1.5
MBC 65.55 352 ePc 02 17.80 -1.6
0.8s 44.00nm 5.4mb
KDC 65.59 328 eP 02 19.66 -0.2
0.7s 33.30nm 5.4mb
RND 65.65 335 ePc 02 19.21 -1.2
FBA 65.78 336 eP 02 19.00 -2.1
0.6s 76.04nm 5.8mb
CRP 66.41 332 eP 02 24.61 -0.7
DHH 66.59 288 eP 02 23.07 -3.9X
HON 66.77 288 P 02 40.00 11.9X
Z 20s 0.71um 4.9Msz
SVW 67.98 331 eP 02 33.18 -1.9
0.7s 53.63nm 5.6mb
IMA 68.49 336 eP 02 37.38 -0.9
0.8s 9.78nm 4.8mb
TTA 68.60 333 eP 02 36.39 -2.6
0.7s 49.21nm 5.5mb
epP 02 52.72 60kmX
SDN 69.46 324 eP 02 43.51 -0.7
0.7s 198.12nm 6.1mb
Z 21s 1.65um 5.2Msz
BRW 71.10 342 eP 02 53.51 -0.4
ANM 72.98 334 eP 03 05.69 0.5
DCN 74.45 38 eP 03 12.30 -1.6
DMU 74.66 37 eP 03 14.20 -0.9
EKA 76.79 36 Pd 03 25.90 -1.2
0.8s 9.50nm 4.7mb
GUD 77.33 51 eP 03 28.00 -2.6
ILT 78.40 337 eP 03 36.00 0.3
0.8s 46.00nm 5.4mb
Z 20s 1.90um 5.4Msz
N 22s 0.70um
E 22s 1.20um
i 03 48.00 40kmX
i 06 36.50
eS 13 20.00
GRR 78.82 43 eP 03 36.70 -1.7

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       0.7s     10.45nm               4.8mb
ETOR   78.90   51 eP      03 31.00  -8.1X
FLN    79.03   42 eP      03 37.80  -1.7
       1.0s     13.80nm               4.8mb
   Z   21s       0.68um               5.0Msz
ADK    79.08  321 eP      03 39.79   0.1
       0.8s     89.22nm               5.7mb
LDF    79.29   42 eP      03 39.10  -1.8
MFF    79.52   44 eP      03 41.20  -1.0
       0.7s      5.50nm               4.6mb
AIA    79.90  170 eP      03 45.20   1.5
LPO    80.72   46 eP      03 49.20   0.6
       1.2s     15.45nm               4.8mb
CAF    81.30   46 eP      03 51.90   0.2
       1.2s      8.95nm               4.5mb
BGF    81.57   44 eP      03 52.50  -0.5
       0.7s      4.95nm               4.5mb
SSF    81.93   44 eP      03 53.80  -1.1
       0.8s      3.75nm               4.3mb
LIC    82.06   85 (P)     03 54.20  -2.0
LOR    82.13   43 eP      03 55.00  -1.0
       0.9s      5.40nm               4.4mb
   Z   21s       0.55um               4.9Msz
LBF    82.26   44 eP      03 56.10  -0.6
KIC    82.31   85 (P)     03 54.00  -3.5X
ENN    82.81   40 eP      04 01.00   1.6
       0.9s     12.00nm               4.8mb
                  e       04 19.00  65kmX
WTS    83.11   38 eP      03 59.00  -1.8
       1.0s     13.00nm               4.8mb
                  e       04 20.50  80km
NB2    83.43   29 P       04 01.90  -0.5
       0.9s      6.60nm               4.6mb
HAU    83.64   42 eP      04 02.00  -1.7
       0.8s      2.55nm               4.2mb
   Z   20s       0.45um               4.8Msz
BSF    83.97   42 eP      04 03.70  -1.8
CDF    84.16   42 eP      04 04.90  -1.5
       0.9s      5.10nm               4.5mb
SMY    84.49  323 eP      04 08.36   0.6
       0.7s     46.29nm               5.6mb
HFS    84.85   29 eP      04 08.50  -1.0
       0.7s      4.90nm               4.6mb
   Z   20s       0.73um               5.1Msz
                  LR      31 39.00
MOX    86.36   39 eP      04 16.50  -0.7
       1.9s     27.00nm               5.0mb
   Z   20s       0.40um               4.8Msz
   E   20s       0.30um
                  eS      14 46.00
GRF    86.37   40 iPc     04 15.80  -1.5
       1.6s     22.00nm               5.0mb
   Z   21s       1.30um               5.3Msz
UPP    86.82   29 eP      04 19.00  -0.1
CLL    87.02   38 eP      04 19.00  -1.3
       1.6s     14.00nm               4.8mb
                  e       04 38.00  68kmX
BRG    87.71   38 eP      04 23.20  -0.5
       1.3s     11.00nm               4.8mb
                  e       04 40.70  62kmX
                  e       05 10.30
                  e       07 12.00
KHC    88.01   40 P       04 24.00  -1.2
       1.4s      7.00nm               4.6mb
   Z   20s       1.00um               5.2Msz
   N   20s       0.30um
   E   20s       1.00um
                  e       04 47.50  87km
                  S       14 52.00
GEC2   88.17   40 Pc      04 24.50  -1.6
       1.0s      1.73nm               4.1mb X
PRU    88.35   39 P       04 24.00  -2.8
       1.4s      7.00nm               4.6mb
   Z   20s       1.00um               5.2Msz
   N   20s       0.30um
   E   20s       1.00um
                  e       04 47.50  87km
                  S       14 52.00
KBA    88.46   42 e(P)    04 25.00  -2.6
KAF    89.78   25 eP      04 32.00  -1.3
NUR    89.79   27 eP      04 34.00   0.7
MGD    93.48  335 eP      04 49.00  -1.4
BOD   107.21  348 ePdiff05 52.80   0.7
MAT   114.24  320 ePKP    10 15.00   0.0
ZAK   116.27  352 ePKP    10 19.50   1.2
LSZ   118.48  101 iPKP    10 25.00   1.3
BUL   119.31  106 iPKPc   10 25.90   0.7
KRI   120.00  102 iPKPd   10 27.70   1.1
                  i       10 45.00
WMQ   123.52    4 PKP     10 31.70  -0.9
       Z  32s       1.63um            5.5MszX
HHC   123.54  342 PKPc    10 34.00   1.3
       Z  28s       1.48um            5.5MszX
RMQ   125.01  247 ePKP    10 37.00   1.1
TIY   126.12  340 ePKP    10 37.70  -0.1
       Z  20s       1.00um            5.5Msz
       N  20s       1.04um
TOO   126.31  233 iPKPc   10 38.90   0.8
CTA   127.41  254 ePKP    10 42.70   2.0X
       0.7s     23.63nm
GTA   127.51  352 ePKP    10 40.00  -0.5
       Z  22s       1.23um            5.5Msz
SSE   127.99  328 PKPc    10 44.60   3.2X
       Z  20s       0.60um            5.3Msz
LZH   130.04  347 PKP     10 46.50   1.1
       Z  25s       1.06um            5.4MszX
XAN   130.62  341 PKP     10 47.20   0.8
WHN   131.72  334 ePKP    10 50.00   1.5
CD2   135.02  345 ePKP    10 56.30   1.4
       Z  20s       0.93um            5.5Msz
GYA   138.36  340 PKP     11 01.60   0.2
WB2   138.60  254 iPKPc   10 52.40  -9.5X
       0.8s      6.80nm
                  i       11 06.00
WRA   138.61  254 PKP     10 51.30 -10.6X
       0.8s      1.20nm
GKN   138.85   10 PKP     10 55.80  -6.5X
       0.6s     22.00nm
GUN   139.12    8 PKP     10 56.20  -6.9X
       0.6s     26.00nm
KKN   139.16    9 PKP     10 56.40  -6.5X
       0.6s     21.00nm
DMN   139.31    9 PKP     10 57.00  -6.3X
PKI   139.39    9 PKP     10 57.20  -6.3X
       0.6s     16.00nm
KMI   140.80  344 ePKP    11 02.50  -3.5X
CGP   141.04  301 ePKP    11 02.00  -4.4X
OIZ   143.68  330 ePKP    11 09.50  -1.3
POO   144.20   30 ePKP    11 14.50   2.7X
HYB   147.26   24 ePKP    11 18.00   1.2
COOL  147.48  232 ePKP    11 19.00   2.1X
CHG   147.78  347 ePKPd   11 19.00   1.4
       0.9s     23.11nm
BDT   149.29  346 ePKP    11 21.20   1.2
       0.8s     88.30nm
KKM   149.31  306 ePKPd   11 28.00   7.7X
       0.9s     52.30nm
KLB   149.65  228 ePKP    11 21.90   1.7
PCI   149.76  291 ePKPc   11 27.50   6.7X
                  e       14 39.50
NST   150.51  343 ePKP    11 29.00   7.2X
MUN   150.54  226 ePKP    11 23.30   1.8
BAL   150.94  228 iPKPc   11 28.40   6.2X
MEEK  151.29  237 ePKP    11 29.00   6.1X
KHT   151.76  346 ePKP    11 25.00   1.3
MBL   151.92  249 ePKP    11 30.50   6.6X
       0.5s     26.00nm
IPM   160.42  331 ePKPd   11 38.20   3.4X
KLI   164.84  300 ePKPd   11 40.00   0.9
                  e       12 13.00
     S.D. = 1.2  on 205 of 246 obs.
---------------------------------------
 *  JUN 06, 1992  17h 14m 28.56± 0.93s
    31.472 N ± 9.2km  142.495 E ±25.7km
    DEPTH =  33.0km  (normal)
    4.1mb (  4 obs.)
 SOUTH OF HONSHU, JAPAN            (211)

CHJJ     5.42 328 P        15 48.20  -0.9
                  S        16 48.80
MAT      6.18 326 eP       16 00.00   0.0
         0.7s      8.90nm          4.6mb X
                  eS       17 07.00
MTMJ     6.42 324 P        16 03.90   0.6
NIIJ     6.44 334 P        16 03.70   0.2
YAMJ     6.98 344 P        16 10.40  -0.8
                  eS       17 27.70
OFUJ     7.62 355 P        16 19.60  -0.5
                  S        17 41.00
WB2     51.71 190 iPd      23 34.40  -0.4
         0.3s      2.10nm          4.6mb
WRA     51.72 190 P        23 34.30  -0.5
         0.4s      0.60nm          3.9mb
KAF     73.67 334 iP       26 01.40   1.0
        0.5s      1.90nm           4.3mb
NB2     79.66 338 P        26 35.20   1.2
        0.6s      0.60nm           3.8mb
     S.D. = 0.8  on  10 of  10 obs.
---------------------------------------
%  JUN 06, 1992  17h 54m 06.76± 0.99s
   39.869 N ± 7.8km   28.842 E ± 8.0km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

DST      0.31 212 iPg      54 13.20   0.0
KCT      0.53 316 iPg      54 16.90  -0.6
                  iSg      54 23.90
IZI      0.67  46 iPg      54 19.80  -0.4
YLV      0.81  30 iPg      54 22.90   0.4
                  eSg      54 35.40
BNT      0.86 305 iPn      54 23.90   0.6
     S.D. = 0.7  on   5 of   5 obs.
---------------------------------------
   JUN 06, 1992  18h 34m 00.79± 0.42s
   28.020 S ± 3.2km   26.753 E ± 3.4km
   DEPTH =    9.5 ±  2.8 km
   5.3mb ( 61 obs.)  4.3Msz (  3 obs.)
 REPUBLIC OF SOUTH AFRICA          (584)
      Minor damage at Riebeeckstad and
      Welkom. Felt as far away as
      Kroonstad and Vereeniging.

VIR      0.11 121 iPd      34 05.80   2.0
SEK      0.83 112 iPc      34 17.30   0.3
BLF      1.19 204 iP       34 24.90   1.7
PRY      1.26  31 iPc      34 22.40  -2.0
SWZ      1.52 303 eP       34 28.60   0.4
FRS      2.13 216 iPd      34 36.70  -0.2
KSR      2.15   3 ePd      34 37.60   0.2
                  S        35 02.40
BPI      2.16  32 eP       34 36.30  -1.3
SLR      2.65  31 iPd      34 42.70  -1.9
                  S        35 15.10
HVD      2.80 203 iPc      34 48.10   1.4
UMT      3.95 154 ePc      35 04.50   1.6
JOZ      4.75  84 iPc      35 12.60  -1.7
                  S        36 04.50
GRM      5.28 182 iP       35 21.00  -0.7
POF      6.13 256 iP       35 31.90  -1.7
SUR      6.73 228 iPd      35 41.60  -0.8
BUL      8.02  13 iPn      35 55.60  -4.8X
                  iSn      37 23.00
                  iSg      38 05.50
CER      8.34 229 iPc      36 02.20  -2.5
BLE      9.10 228 iPc      36 12.60  -2.5
WIN     10.28 300 iPc      36 30.20  -1.5
                  S        38 12.50
KRI     11.45  14 iPnd     36 42.50  -5.1X
                  iSn      38 44.00
                  iSg      39 50.50
LSZ     12.75   6 iPn      37 01.00  -4.1X
                  iSn      39 16.00
                  iSb      40 02.00
                  iSg      40 32.00
BCAO    33.22 345 iPd      40 38.40  -1.9
        0.3s     38.00nm           5.8mb
                  id       41 35.40
                  ic       45 33.00
AAE     38.62  19 eP       41 28.50   2.0
MAW     45.14 161 iPd      42 19.20   0.2
        1.1s     23.00nm           5.0mb
                  ePcP     44 00.00
KIC     45.75 314 P        42 23.60  -0.8
        1.0s     64.00nm           5.6mb
LIC     45.83 313 P        42 24.20  -0.8
TIC     46.14 313 P        42 27.10  -0.4
MBH     57.99   8 eP       43 56.20   0.1
JVI     60.18   8 eP       44 11.60   0.4
HRI     61.55   9 eP       44 21.10   0.5
SPA     62.14 180 iPd      44 23.90  -0.5
        1.0s     41.00nm           5.6mb
CSY     62.21 153 iPd      44 24.50  -0.1
        0.5s     11.40nm           5.3mb
CSS     62.95   6 eP       44 31.00   1.2
PDCR    63.03 270 eP       44 29.80  -1.0
VAO     65.80 256 (P)      44 49.00   0.2
AGG     66.82 356 eP       44 55.26   0.5
HYB     67.48  54 eP       44 58.00  -1.5
PAIG    67.66 357 iP       44 59.93  -0.1
LIT     67.89 356 iP       45 01.57   0.1
TOS     68.03 351 P        45 03.70   1.3
```

06d 18h

THE	68.39	357	eP	45	05.38	0.8
SOH	68.56	357	eP	45	06.10	0.4
FNA	68.64	356	iP	45	05.66	-0.5
SRS	68.85	357	eP	45	07.38	-0.1
KNT	68.92	357	eP	45	08.82	0.9
OHR	69.00	355	eP	45	09.00	0.5
VAY	69.10	357	iP	45	09.60	0.7
GRS	69.61	16	iPd	45	12.00	-0.4
	1.2s		40.00nm			5.4mb
SKO	69.81	356	iPd	45	15.00	1.7
SDI	70.40	350	Pc	45	17.40	0.4
RDP	70.63	349	P	45	19.50	1.1
ECOG	70.92	335	eP	45	21.00	0.7
EJIF	70.94	333	eP	45	19.80	-0.5
EPRU	71.29	333	eP	45	21.40	-1.1
ELUO	71.43	334	iPc	45	27.50	4.1X
EVIA	71.73	336	eP	45	24.60	-0.6
ASH	71.99	26	eP	45	25.60	-1.0
EHOR	72.04	334	eP	45	26.10	-0.8
ECHE	72.05	338	eP	45	27.80	0.8
PGF	72.10	346	iPd	45	27.00	-0.3
	1.0s		30.60nm			5.3mb
ARV	72.29	349	Pc	45	27.20	-1.1
BEO	72.72	355	eP	45	30.50	-0.2
KIV	73.09	12	iP	45	32.80	-0.3
MLR	73.16	359	iPd	45	33.00	-0.5
ETER	73.36	342	eP	45	34.80	0.2
LMR	73.40	345	iPd	45	33.80	-1.0
	0.9s		10.15nm			4.9mb
ETOR	73.52	338	eP	45	35.50	-0.2
VRI	73.54	360	eP	45	37.00	1.5
LRG	73.55	345	iPd	45	35.70	0.1
	1.1s		38.10nm			5.4mb
FRF	73.58	345	iPd	45	35.70	-0.1
	1.2s		40.45nm			5.4mb
VBY	73.92	352	eP	45	38.00	0.3
			i	46	12.60	
GUD	74.10	336	eP	45	38.00	-1.0
EGRA	74.20	339	eP	45	38.10	-1.3
LSPF	74.23	341	P	45	39.16	-0.5
GRBF	74.24	341	P	45	40.12	0.4
SALF	74.26	341	P	45	40.62	0.7
EPLA	74.31	334	eP	45	38.50	-1.7
SURF	74.42	345	P	45	42.20	1.3
KIS	74.71	1	iPc+	45	41.00	-1.2
	1.0s		130.00nm			5.9mb
EPF	74.76	340	iPd	45	42.90	0.1
	1.0s		32.80nm			5.3mb
CTI	74.98	349	Pc	45	44.90	0.9
BNI	74.99	345	P	45	45.60	1.4
BTH	75.01	340	iPd	45	44.50	0.4
			ipP	45	48.20	12kmX
			isP	45	51.20	
			PP	48	40.50	
ECRI	75.27	338	eP	45	42.70	-3.0X
FVI	75.33	350	P	45	46.90	1.1
LPG	75.40	346	iPd	45	46.80	0.1
	1.0s		14.40nm			5.0mb
LPL	75.42	346	iPd	45	46.80	0.1
	1.0s		13.20nm			4.9mb
KBA	75.72	351	iPd	45	48.90	0.6
	1.1s		37.50nm			5.4mb
			e	47	39.00	
SRO	75.86	354	eP	45	48.80	0.0
OGA	75.88	349	iPc	45	50.10	0.8
LBL	75.98	343	P	45	50.33	0.6
CAF	76.01	342	iPd	45	50.10	0.3
	1.0s		41.00nm			5.5mb
LPO	76.03	342	iPd	45	49.90	0.0
	1.2s		30.35nm			5.3mb
WTTA	76.16	349	iPd	45	50.90	0.1
	1.1s		35.40nm			5.4mb
			i	45	57.10	
MRWA	76.28	116	eP	45	51.00	-0.8
LFF	76.39	341	iPd	45	52.10	0.2
	1.0s		49.40nm			5.6mb
UZH	76.41	357	ePd	45	52.00	0.1
	1.0s		62.00nm			5.7mb
			e	45	56.10	
			e	46	07.50	
BHG	76.42	350	iPd	45	52.30	0.3
	1.1s		57.00nm			5.6mb
RJF	76.51	342	iPd	45	52.70	0.1
	0.7s		17.75nm			5.3mb
VKA	76.51	353	iPd	45	53.00	0.5
	1.6s		119.00nm			5.7mb
PYM	76.53	343	P	45	53.55	0.8

PLDF	76.58	344	P	45	53.55	0.5
AGO	76.78	343	P	45	54.98	0.9
MAF	77.08	343	iPd	45	56.30	0.5
	1.3s		70.05nm			5.6mb
FUR	77.10	349	iPd	45	56.50	0.7
	1.2s		82.00nm			5.7mb
LOMF	77.14	346	P	45	56.77	0.6
SMF	77.15	344	iPd	45	56.20	0.0
	0.9s		29.95nm			5.4mb
TCF	77.23	343	iPd	45	57.10	0.5
	1.3s		50.20nm			5.4mb
BGF	77.32	343	iPd	45	57.40	0.3
	1.2s		33.05nm			5.3mb
LSF	77.38	342	iPd	45	57.60	0.2
	1.3s		35.00nm			5.3mb
GEC2	77.40	351	Pd	45	56.40	-1.2
	1.0s		11.60nm			4.9mb
FEL	77.40	347	P	45	57.85	0.2
AVF	77.41	344	iPd	45	57.70	0.2
	1.1s		55.70nm			5.6mb
LBF	77.44	344	iPd	45	57.50	-0.3
	1.0s		15.00nm			5.0mb
MOF	77.56	347	P	45	58.78	0.3
BSF	77.61	346	P	45	59.01	0.2
SSF	77.62	344	iPd	45	58.60	-0.1
	1.0s		20.00nm			5.2mb
KHC	77.70	351	P	45	59.00	-0.1
	1.1s		8.00nm			4.7mb
			e	46	19.50	
			e	48	49.00	
LOR	77.73	344	iPd	45	59.20	-0.2
	0.6s		8.50nm			5.0mb
WET	77.81	351	iPc	46	00.30	0.6
HAU	77.87	346	iPd	46	00.00	-0.1
	1.2s		22.90nm			5.1mb
ECH	77.90	347	P	46	00.38	0.1
WLS	78.05	347	P	46	00.78	-0.3
CDF	78.06	347	P	46	00.78	-0.4
GAR	78.10	33	iP	46	01.20	-0.5
OJC	78.13	355	eP	46	01.50	0.1
	1.3s		62.00nm			5.5mb
			i	46	02.20	
VITF	78.14	346	P	46	01.81	0.2
MFF	78.16	341	iPd	46	02.10	0.4
	1.0s		61.80nm			5.6mb
PRU	78.41	352	eP	46	03.30	0.3
GRF	78.59	350	iPd	46	04.70	0.7
	1.1s		48.00nm			5.5mb
GKN	78.62	50	P	46	02.80	-2.0
DMN	78.68	50	P	46	03.60	-1.7
PKI	78.87	51	P	46	04.40	-2.0
KKN	78.92	50	P	46	04.80	-1.8
KSP	79.06	353	eP	46	06.50	0.0
			e	46	20.00	
BRG	79.36	352	iP	46	08.90	0.8
	1.1s		15.00nm			4.9mb
GUN	79.40	51	P	46	07.60	-1.8
MOX	79.46	350	iPc	46	09.60	0.9
	1.3s		19.00nm			4.9mb
COOL	79.60	119	eP	46	09.00	-1.1
LPF	79.72	341	iPd	46	10.10	0.0
	1.2s		43.75nm			5.3mb
CLL	79.91	351	iPc	46	12.20	1.1
	1.5s		20.00nm			4.9mb
			e	47	24.00	
LDF	79.97	342	iPd	46	11.30	-0.2
	0.9s		16.70nm			5.0mb
GRR	79.99	342	iPd	46	11.50	-0.1
	1.0s		29.00nm			5.2mb
FLN	80.23	342	iPd	46	12.60	-0.2
	0.7s		8.80nm			4.9mb
ENN	80.58	347	eP	46	14.50	-0.1
	1.0s		30.00nm			5.3mb
SIV	80.78	257	P	46	16.80	0.2
KSH	81.30	36	eP	46	19.50	0.6
WTS	81.57	348	eP	46	20.00	0.2
	1.0s		18.00nm			5.1mb
MNK	81.58	0	eP	46	23.00	3.3X
OBN	83.21	6	iPd	46	28.00	-0.2
	1.5s		100.00nm			5.8mb
CHG	83.90	65	iPd	46	32.50	-0.1
	1.4s		53.49nm			5.6mb
CHTO	83.90	65	iPd	46	32.30	-0.3
	1.3s		36.36nm			5.4mb
			pP	46	36.30	13kmX
LSA	84.14	52	iPd	46	34.60	0.4
	0.8s		67.00nm			5.9mb

CCH	84.48	253	P	46	37.00	1.0
CNCB	86.31	253	Pd	46	46.80	1.4
LPB	86.53	253	P	46	47.20	0.9
ZOBO	86.68	253	Pd	46	47.40	0.1
	1.2s		53.38nm			5.6mb
			LR	15	12.00	
EKA	86.88	343	Pc	46	47.80	1.2
	1.2s		21.40nm			5.2mb
UPP	87.87	355	iP	46	50.70	-0.5
NUR	88.22	359	iP	46	52.70	-0.1
	0.9s		16.90nm			5.4mb
ARU	88.33	17	eP	46	54.00	0.5
HFS	88.48	354	eP	46	54.00	-0.2
	0.5s		0.90nm			4.3mb
NB2	89.64	353	P	47	00.00	0.3
	1.1s		15.50nm			5.2mb
KAF	89.81	360	iP	47	00.60	0.2
	0.8s		7.00nm			4.9mb
WMQ	90.67	39	P	47	05.00	0.1
	1.5s		9.50nm			4.9mb
CD2	93.90	57	P	47	19.30	-0.7
STK	94.03	129	iPc	47	21.00	0.2
	0.9s		2.30nm			4.5mb
WRA	95.33	116	P	47	28.50	1.6
	1.1s		0.90nm			4.1mb X
GTA	95.51	48	iPc	47	26.50	-0.9
	1.0s		14.00nm			5.4mb
CEH	117.95	298	PKP	53	00.00	10.4X
	Z 20s		0.05um			4.1Msz
EEO	120.32	310	ePKP	52	56.50	2.8X
MAT	122.51	63	ePKP	52	58.00	-0.2
MBC	129.01	350	ePKP	53	10.00	0.4
FCC	129.42	325	ePKP	53	13.00	2.2X
ULM	131.63	314	ePKP	53	17.00	1.7
YKA	137.27	335	ePKP	53	15.00	-10.6X
	0.5s		2.40nm			
GOL	139.01	299	PKP	53	40.00	10.1X
	Z 20s		0.12um			4.6Msz
ALQ	139.79	292	PKP	53	40.00	8.6X
	Z 18s		0.04um			4.2Msz
SES	141.10	317	ePKP	53	34.00	1.0
IMA	141.93	0	ePKP	53	36.60	2.4X
	1.0s		17.50nm			
SRU	143.03	299	ePKP	53	33.30	-3.7X
EMUT	143.19	300	ePKP	53	32.15	-5.2X
DAU	143.47	301	ePKP	53	35.07	-2.8X
MSU	144.36	298	ePKP	53	38.08	-1.2
HVU	144.41	303	ePKP	53	37.09	-2.1X
DUG	144.67	301	ePKP	53	38.42	-1.3
TTA	145.04	2	ePKP	53	39.04	-0.4
ARUT	145.41	297	ePKP	53	41.29	0.3
SMY	145.45	35	ePKP	53	39.59	-0.7
TOA	145.59	354	ePKP	53	41.60	1.2
KLU	146.17	354	ePKP	53	42.37	0.9
BALM	146.18	350	ePKP	53	42.34	0.8
PWA	146.30	357	ePKP	53	43.50	2.0X
PMR	146.32	356	ePKP	53	41.97	0.5
DPW	146.39	316	ePKP	53	41.31	-0.9
PNT	146.62	319	ePKP	53	43.00	0.5
GLA	146.66	288	ePKP	53	41.41	-1.7
CRP	146.75	359	ePKP	53	42.84	0.4
SVW	146.88	2	(PKP)	53	43.01	0.5
			ePKPbc	53	45.03	
SLKM	147.45	357	ePKP	53	43.54	0.1
			iPKPbc	53	45.91	
TNP	148.35	298	ePKP	53	50.36	4.5X
PLM	148.37	289	(PKP)	53	44.65	-1.3
PEC	148.61	290	(PKP)	53	46.76	0.6
RMW	148.77	317	ePKP	53	44.84	-1.2
			iPKPbc	53	50.04	
MCW	148.79	320	ePKP	53	46.55	0.6
			iPKPbc	53	50.54	
LON	149.09	316	ePKP	53	46.72	0.2
			ePKPbc	53	50.85	
PGC	149.16	320	ePKP	53	47.00	0.6
GMW	149.32	318	ePKP	53	46.68	-0.1
			ePKPbc	53	51.83	
SHW	149.60	315	ePKP	53	48.14	0.7
			ePKPbc	53	53.07	
ISA	149.61	293	PKP	53	50.15	2.5X
BMW	150.09	316	(PKP)	53	48.16	0.1
			iPKPbc	53	54.34	
ABL	150.28	292	(PKP)	53	50.31	1.4
			ePKPbc	53	55.59	
KDC	150.28	359	ePKP	53	47.05	-0.8X
			iPKPbc	53	53.70	
BCH	150.96	293	ePKP	53	49.71	-0.1

LBFM 151.16 306 ePKP 53 56.76 6.7X
ORV 151.36 302 ePKP 53 56.70 6.6X
ARN 151.84 297 ePKP 53 59.64 8.7X
iPKPab54 08.78
SDN 152.20 9 ePKP 53 57.27 6.5X
S.D. = 0.9 on 193 of 218 abs.

? JUN 06, 1992 18h 38m 08.46± 4.26s
39.076 N ±12.8km 19.172 E ±36.0km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)

LCI 1.57 324 P 38 37.40 1.0
eSn 38 54.60
ROI 2.08 285 P 38 43.20 -0.6
TDS 2.27 286 P 38 47 00 0.4
ACI 2.32 278 P 38 46.90 -0 4
ORI 2.32 296 P 38 47.50 0 1
eSn 39 12.30
BRT 2.35 321 P 38 47.80 0.1
eSn 39 14.20
CZI 2.37 274 P 38 48.50 0.6
SOI 2.64 249 P 38 52.50 0.7
eSn 39 18.30
BAI 2.70 320 P 38 51.50 -1.2
MEU 3.88 241 P 39 09.00 -0.6
eSn 39 48.00
S.D. = 0.8 on 10 of 10 abs.

JUN 06, 1992 19h 01m 13.32± 0.57s
33.518 S ± 5.6km 71.234 W ± 5.9km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.8 (SAN).

LCCH 0.28 279 iPd 01 21.50 0.6
iS 01 28.40
LNV 0.46 199 iPd 01 22.80 -0.5
SAN 0.48 82 iPc 01 24.20 0.5
iS 01 33.00
ROCH 0.58 19 iPc 01 24.90 -0.3
iS 01 34.30
PEL 0.59 51 iPd 01 25.40 0.1
iS 01 35.30
PCH 0.61 100 iPc 01 25.60 0.0
iS 01 35.50
CACH 0.80 139 iPc 01 28.30 0.1
iS 01 40.50
FCH 0.81 77 iPc 01 28.50 -0.1
iS 01 40.70
JACH 0.99 33 iP 01 30.10 -0.9
iS 01 44.20
RTCB 2.89 46 ePc 01 58.80 0.7
CFA 3.17 54 e(P) 02 02.00 0.0
S.D. = 0.6 on 11 of 11 abs.

JUN 06, 1992 19h 02m 02.97± 0.81s
47.274 N ± 6.8km 9.854 E ± 7.4km
DEPTH = 10.0km (geophysicist)
GERMANY (543)

OSS 0.62 161 eP 02 16.70 1.1
LLS 0.71 236 eP 02 13.70 -3.5X
ZLA 1.02 282 eP 02 23.10 0.8
SLE 1.05 299 eP 02 22.70 0.0
TMA 1.35 210 eP 02 26.90 -1.0
FEL 1.38 296 ePn 02 28.31 -0.1
MMK 1.79 227 eP 02 33.40 -0.9
DIX 2.06 236 eP 02 38.80 0.5
KHC 3.11 52 Pn 03 06.90 13.9X
e 03 13.00
e 03 40.50
eSg 03 50.50
PRU 4.13 47 Pn 03 06.90 -0.5
e 03 13.00
e 03 40.50
eSg 03 50.50
S.D. = 0.9 on 8 of 10 abs.

% JUN 06, 1992 19h 59m 13.83± 0.73s
40.439 N ± 6.4km 29.390 E ± 7.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZI 0.12 148 iPg 59 16.70 -0.2
YLV 0.13 354 iPg 59 16.90 -0.1
HRT 0.44 29 iPg 59 22.90 0.1
KCT 0.81 257 iPg 59 28.90 -0.7
DST 1.02 215 iPn 59 33.50 0.4
BNT 1.13 266 iPn 59 35.40 0.5
S.D. = 0.6 on 6 of 6 abs.

JUN 06, 1992 20h 07m 50.29± 0.47s
7.122 N ± 6.6km 127.147 E ±11.0km
DEPTH = 33.0km (normal)
4.3mb (3 obs.)
PHILIPPINE ISLANDS REGION (248)

BIP 1.41 321 ePd 08 14.00 0.1
eS 08 27.50
CGP 2.77 299 iPc 08 34.00 0.7
eS 09 04.00
MAP 4.46 316 iPc 08 57.00 -0.4
PLP 4.55 332 eP 08 58.50 -0.2
eS 09 30.80
WB2 27.81 165 iPc 13 38.60 -0.1
0.3s 5.40nm 4.7mb
QIS 30.11 156 iPc 13 59.60 0.3
MAT 30.98 17 eP 14 06.00 -0.8
MEEK 34.56 194 eP 14 37.00 -1.2
FORT 37.69 179 eP 15 04.40 -0.1
KLB 39.53 193 eP 15 19.60 -0.3
MUN 40.26 194 eP 15 26.00 0.1
STK 41.16 161 iPd 15 34.20 0.9
0.7s 4.00nm 4.3mb
YKA 96.26 24 eP 21 17.30 0.9
0.5s 0.40nm 4.2mb
S.D. = 0.7 on 13 of 13 abs.

& JUN 06, 1992 20h 31m 12.11s
61.600 N 149.866 W
DEPTH = 34.5km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

PWA 0.05 353 P 31 18.10 0.2
PLRM 0.35 91 iP 31 19.95 -0.7
eS 31 26.96
PMS 0.39 157 P 31 20.70 -0.4
SUA 0.44 252 iP 31 21.38 -0.6
eS 31 29.73
GHO 0.48 69 iP 31 21.71 -0.8
eS 31 30.35
KNK 0.70 105 iP 31 24.85 -0.7
eS 31 35.83
SML 0.76 73 iP 31 25.25 -1.2
CUT 0.83 347 eP 31 26.54 -0.8
SKT 0.88 297 iP 31 26.98 -1.1
eS 31 39.26
SLKM 1.11 189 eP 31 30.39 -1.0
NCG 1.12 261 eP 31 30.94 -0.7
SPU 1.13 249 eP 31 31.01 -0.8
eS 31 46.14
CKN 1.18 252 eP 31 32.36 0.0
eS 31 47.74
CPKM 1.19 255 eP 31 32.62 -0.1
eS 31 48.01
SCM 1.23 78 eP 31 32.17 -1.1
CKL 1.26 252 eP 31 33.02 -0.7
eS 31 49.41
BGL 1.26 256 eP 31 33.41 -0.3
BKG 1.27 246 eP 31 33.15 -0.7
eS 31 49.90
HUR 1.39 4 eP 31 35.25 -0.2
SEW 1.52 172 eP 31 36.76 -0.5
DFR 1.70 235 eP 31 39.19 -0.9
VLZ 1.77 104 eP 31 39.42 -1.4
REF 1.77 232 eP 31 40.29 -0.9
RSO 1.81 232 eP 31 40.72 -1.0
RS2 1.81 232 eP 31 40.87 -0.8
RS1 1.81 232 eP 31 40.91 -0.8
TOA 1.82 72 P 31 41.70 0.0
RED 1.85 231 eP 31 41.18 -0.9
eS 32 04.87
TRF 1.87 354 eP 31 41.82 -0.7
RND 1.87 14 eP 31 42.25 -0.2
KLU 1.89 92 eP 31 41.38 -1.4
KTH 2.02 346 eP 31 43.94 -0.6
HIN 2.04 125 eP 31 43.07 -1.7
CNPM 2.19 199 eP 31 46.23 -0.7
SDG 2.24 64 eP 31 47.55 -0.1
CVA 2.26 116 eP 31 47.38 -0.5
PAX 2.47 54 eP 31 51.18 0.2
SVW 2.82 262 P 31 52.50 -3.3
GLB 2.91 90 eP 31 56.47 -0.6
TTA 3.17 298 eP 31 58.88 -2.0
TGL 3.51 101 eP 32 04.96 -0.8
41 abs. associated

? JUN 06, 1992 21h 28m 11.76± 0.94s
5.814 S ±15.0km 146.009 E ±13.4km
DEPTH = 130.0km (geophysicist)
EASTERN NEW GUINEA REG., P.N.G. (207)

YYYY 0.43 186 eP 28 30.70 -0.1
eS 28 44.00
MDG 0.61 338 eP 28 31.70 0.0
LAT 1.29 130 eP 28 37.90 0.0
eS 28 54.00
MNDI 2.36 262 e(P) 28 51.00 0.0
PMG 3.75 162 eP 29 09.00 0.0
eS 29 51.00
CTA 14.19 179 iPd 31 35.90 7.8X
0.4s 58.47nm 5.2mb X
eS 33 49.70
S.D. = 0.1 on 5 of 6 obs.

JUN 06, 1992 21h 40m 40.81± 0.13s
1.068 N ± 2.7km 124.040 E ± 3.4km
DEPTH = 17.5km (geophysicist)
5.9mb (91 obs.) 5.6Msz (49 obs.)
MINAHASSA PENINSULA, SULAWESI (265)
Mo=2.0*10**18 Nm (PPT). Depth
from broadband displacement
seismograms.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 84C
Centroid Location:
Origin Time 21:40:45.8 0.2
Lat 1.14N 0.02 Lon 124.04E 0.02
Dep 32.1 1.3 Half-duration 3.6
Moment Tensor; Scale 10**17 Nm
Mrr= 9.86 0.17 Mtt=-4.14 0.18
Mff=-5.72 0.24 Mrt= 0.97 0.35
Mrf= 3.06 0.34 Mtf= 4.22 0.17
Principal Axes:
T Val= 10.66 Plg=76 Azm=300
N -1.27 13 143
P -9.39 5 52
Best Double Couple:Mo=1.0*10**18
NP1:Strike=128 Dip=41 Slip= 70
NP2: 334 52 107

TSM 6.94 298 ePc 42 23.50 -0.8
e 48 35.00
CGP 7.37 5 ePd 42 30.00 -0.2
eS 43 52.00
BIP 7.44 17 ePc 42 32.00 0.8
eS 44 00.50
KKM 9.24 303 ePc 42 59.50 3.1X
1.6s 371.70nm 6.5mb
PLP 10.07 5 ePc 43 07.20 -0.6
PGP 12.73 346 ePc 43 49.00 5.2X
eS 44 06.00
TGY 13.31 347 ePd 44 03.00 11.5X
MTN 15.51 153 eP 44 20.00 -0.4
0.6s 308.00nm 5.7mb
BCP 15.62 348 eP 44 18.00 -3.8X
PIP 17.48 349 ePd 44 47.50 2.1
KLI 20.05 253 eP 45 16.00 0.0
e 45 51.00
WWKK 20.12 103 eP 45 13.00 -3.9X
KGM 20.73 273 ePc 45 24.70 1.5
1.0s 537.40nm 5.9mb
e 45 31.10
e 45 51.40
MNDI 20.86 110 eP 45 29.00 4.3X
KLM 22.47 276 eP 45 43.50 2.8
MBL 22.47 190 iPc 45 40.30 -0.4
0.8s 362.00nm 5.9mb
MDG 22.60 106 eP 45 44.00 2.0
OIZ 22.64 323 iPc 45 43.50 1.2
1.5s 810.00nm 6.0mb
N 13s 8.47um
E 12s 6.87um
sP 45 56.00
S 49 44.00
sS 49 57.00
SS 50 30.00
HKC 23.19 336 eP 45 50.80 3.1X

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eS 50 04.00
WB2 23.20 155 iPc 45 47.00 -0.9
0.9s 405.40nm 6.0mb
IPM 23.25 279 ePc 45 50.10 1.8
1.0s 318.60nm 5.8mb
e 46 02.00
MCO 23.28 335 eP 45 52.00 3.4X
GUMO 24.08 58 eP 45 55.30 -1.0
1.2s 721.90nm 6.1mb
e 46 04.50
eS 50 17.20
PJG 24.08 58 eP 45 55.60 -0.8
GUA 24.09 58 e(P) 45 57.00 0.5
1.2s 700.00nm 6.1mb
SNG 24.13 285 eP 45 59.60 2.8
1.8s 2836.36nm 6.5mb
eS 50 24.80
LAT 24.16 109 ePd 45 59.60 2.4
GZH 24.23 335 iPc 46 00.00 2.3
1.9s 1790.00nm 6.3mb
Z 16s 20.20um 5.7MszX
N 14s 18.70um
E 14s 7.55um
iS 50 17.00
QZH 24.31 348 iPc 46 00.20 1.6
2.0s 160.00nm 5.3mb
Z 19s 12.70um 5.4Msz
S 50 17.00
NANU 24.91 199 eP 46 04.00 -0.3
0.7s 178.00nm 5.8mb
e 46 12.00
PMG 25.26 115 eP 46 07.50 -0.3
QIS 26.35 145 iPc 46 17.30 -0.6
NST 27.69 303 iPc 46 33.50 3.3X
MEEK 28.04 190 eP 46 31.50 -1.7
RAB 28.59 101 iPc 46 39.00 0.6
1.0s 480.00nm 6.2mb
KHT 28.60 300 iPc 46 40.20 1.8
BDT 29.41 305 iPc 46 47.00 1.3
1.1s 216.40nm 5.9mb
SSE 29.99 355 Pc 46 51.00 0.3
2.2s 260.00nm 5.7mb
Z 20s 6.90um 5.3Msz
N 11s 2.10um
E 11s 2.10um
pP 47 02.00 40kmX
sS 52 02.00
CTA 30.27 135 iPd 46 53.80 0.5
1.1s 170.89nm 5.8mb
CHG 30.28 307 iPc 46 54.90 1.4
1.0s 220.00nm 6.0mb
eS 51 40.00
CHTO 30.28 307 iPd 46 54.60 1.2
pP 47 04.80 36kmX
sP 47 19.90
GYA 30.28 328 iPc 46 55.00 1.5
Z 18s 19.40um 5.8Msz
N 13s 7.54um
E 13s 3.04um
S 51 55.00
SS 53 27.00
KAGJ 30.65 12 eP 47 03.40 6.9X
WHN 30.72 343 Pc 46 58.50 1.3
0.8s 35.00nm 5.3mb
Z 20s 14.60um 5.6Msz
N 18s 8.11um
E 14s 7.36um
sP 47 14.00
S 51 58.50
MRWA 31.08 194 iPc 46 59.00 -1.4
NJ2 31.20 351 iPc 47 02.00 0.6
N 11s 5.74um
E 10s 5.25um
S 52 03.00
KMI 31.54 321 iPc 47 07.00 2.2
2.0s 800.00nm 6.3mb
Z 18s 10.40um 5.5Msz
N 13s 7.10um
E 13s 3.20um
pP 47 14.50 26kmX
sP 47 19.00
S 52 15.00
FORT 31.90 173 eP 47 06.30 -1.2
KUMJ 31.95 11 P 47 08.70 0.8
BAL 32.26 192 iPc 47 09.20 -1.5
0.8s 111.00nm 5.8mb
KLB 33.02 190 eP 47 16.00 -1.3
SHNJ 33.54 11 P 47 16.60 -5.2X
OLP 33.69 146 eP 47 22.00 -1.2
MUN 33.69 192 iPc 47 21.90 -1.2
TKSJ 34.06 15 P 47 26.20 -0.1
SHK 34.26 13 eP 47 27.00 -1.0
NWAO 34.42 190 eP 47 28.50 -0.9
Z 20s 5.50um 5.3Msz
WKYJ 34.71 17 P 47 31.90 0.0
YONJ 35.06 13 iP+ 47 35.00 0.1
CD2 35.36 329 iPc 47 38.50 0.9
1.8s 2070.00nm 6.7mb
Z 20s 7.88um 5.5Msz
N 14s 9.90um
pP 47 50.50 44kmX
PP 48 59.50
iPcP 50 04.00
iS 53 10.20
TIA 35.55 350 Pc 47 38.80 -0.2
1.6s 350.00nm 6 0mb
Z 22s 7.16um 5.4Msz
N 10s 1.99um
E 12s 4.36um
sP 47 52.00
S 53 14.00
XAN 35.72 338 iPc 47 40.80 0.2
1.0s 96.00nm 5.7mb
N 16s 13.10um
E 14s 4.48um
pP 47 51.00 35kmX
sP 47 55.00
PP 49 02.00
S 53 14.00
sS 53 30.00
SS 55 31.00
TSRJ 36.05 17 P 47 43.30 0.0
RMO 36.32 141 eP 47 45.00 -0.6
IIDJ 36.59 19 P 47 47.20 -0.7
STK 36.75 155 iPc 47 49.20 0.0
1.3s 36.80nm 5.0mb
eS 53 30.10
HNR 37.25 107 eP 47 53.00 -0.6
CHJJ 37.47 20 P 47 53.70 -1.5
MTMJ 37.57 18 P 47 55.30 -0.9
MAT 37.66 19 eP 47 55.00 -1.8
1.7s 376.92nm 5.9mb
eS 53 16.00
DL2 37.72 357 P 47 56.00 -1.2
Z 19s 3.97um 5.2Msz
E 16s 6.36um
pP 48 07.50 42kmX
TIY 38.00 345 iPc 48 00.50 0.8
2.0s 590.00nm 6.0mb
Z 16s 7.15um 5.6MszX
N 16s 4.90um
E 14s 4.34um
S 53 52.00
KAKJ 38.03 21 P 47 56.60 -3.3X
ADE 38.39 160 iPc 48 04.60 1.6
1.0s 420.00nm 6.2mb
CMS 38.41 149 iPc 48 04.60 1.4
1.0s 99.00nm 5.5mb
i 48 07.80
i 49 30.40
NIIJ 38.55 19 P 48 02.50 -1.8
BJI 39.45 350 eP 48 11.00 -0.7
2.0s 430.00nm 5.8mb
Z 18s 4.13um 5.3Msz
N 13s 1.77um
ePP 49 42.00
eS 54 08.00
eSS 56 52.00
LZH 39.56 334 iPc 48 15.00 2.1
2.0s 1240.00nm 6.3mb
Z 17s 13.00um 5.8MszX
N 14s 6.45um
E 15s 5.95um
pP 48 22.00 24kmX
sP 48 25.00
YAMJ 39.74 20 P 48 14.60 0.4
SNY 40.58 359 Pc 48 20.20 -0.8
1.8s 78.00nm 5.1mb
Z 18s 6.89um 5.6Msz
E 13s 3.32um
pP 48 33.00 48kmX
ARMA 40.87 142 iPc 48 24.70 1.0
0.7s 80.00nm 5.6mb
i 48 31.70
i 49 59.80
OFUJ 41.12 21 P 48 26.10 0.6
HHC 41.18 346 Pc 48 27.00 0.9
2.5s 700.00nm 5.9mb
Z 18s 7.49um 5.6Msz
N 12s 1.21um
E 13s 3.37um
pP 48 38.00 39kmX
sP 48 42.00
PP 50 03.00
BTO 41.35 344 iPd 48 27.00 -0.5
2.5s 510.00nm 5.8mb
N 14s 5.09um
E 12s 3.07um
sP 48 41.00
PP 50 07.00
S 54 42.00
sS 54 58.00
SS 57 43.00
BFD 41.74 158 eP 48 25.00 -5.6X
0.9s 123.00nm 5.6mb
i 48 29.70
i 50 16.70
AOMJ 42.01 19 eP 48 33.70 0.9
BWA 42.06 149 iPc 48 35.80 2.4
ePP 50 21.90
LSA 42.30 315 iPc 48 38.00 2.1
N 15s 3.80um
E 14s 1.45um
PP 50 20.00
CN2 42.57 2 Pc 48 36.00 -1.3
1.2s 160.00nm 5.6mb
Z 24s 3.16um 5.1MszX
N 14s 1.81um
E 14s 3.02um
epP 48 48.00 44kmX
PP 50 17.00
CAN 43.06 150 iPc 48 42.70 1.2
i 49 13.00
iPP 50 32.30
RIV 43.07 146 iPc 48 43.40 1.9
e 50 29.00
e 55 12.00
e 58 24.00
CNB 43.24 149 iPc 48 44.30 1.3
1.0s 180.00nm 5.8mb
i 49 14.00
TOO 43.27 155 iPc 48 44.30 1.2
0.9s 256.00nm 6.0mb
e 50 24.50
MDJ 43.64 6 Pd 48 46.80 0.8
2.5s 650.00nm 6.0mb
N 10s 2.22um
E 10s 2.24um
S 55 13.00
MRRJ 43.92 18 eP 48 48.80 0.5
GTA 44.10 333 iPc 48 51.00 1.0
2.0s 490.00nm 6.0mb
Z 18s 15.90um 6.0Msz
E 14s 6.68um
pP 49 00.00 30kmX
sP 49 04.50
PcP 50 35.00
PP 50 38.00
S 55 23.00
sS 55 36.00
ScS 58 50.00
SAP 44.58 18 eP 48 54.00 0.4
eS 55 30.00
HOOJ 44.62 20 eP 48 55.50 1.6
GUN 45.22 310 Pc 48 59.60 0.1
PKI 45.42 309 Pc 49 01.00 -0.1
KKN 45.63 309 Pc 49 02.60 0.1
DMN 45.68 309 Pc 49 03.00 0.0
KUSJ 45.75 21 eP 49 03.50 0.6
ASAJ 45.95 19 eP 49 05.10 0.6
GKN 46.23 309 Pc 49 07.20 0.0
DZM 47.32 122 iPc 49 15.30 -0.5
BKM 47.33 115 iPc 49 17.50 1.6
HYB 47.57 293 iPc 49 18.00 0.2
1.0s 120.00nm 5.9mb
e 49 29.00
eS 56 12.00
YSS 48.58 17 iPc+ 49 24.30 -0.8
1.3s 130.00nm 5.8mb
Z 16s 2.10um 5.2MszX
N 16s 1.10um

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      E  20s     2.20um
                  ePPP  52 09.00
                  eS    56 21.00
                  eS    01 11.00
KUP    48.75  22 iP+   49 26.00  -0.4
       1.0s    210.00nm          6.1mb
      Z  17s     3.40um          5.4MszX
      N  17s     2.90um
      E  17s     3.40um
                  eS    56 28.00
POO    52.18 293 iPc   49 57.40   4.3X
                  iS    57 30.00
ZAK    52.21 343 iPc+  49 52.40  -0.4
      Z  18s     4.33um          5.5Msz
      N  18s     3.30um
                  e     51 56.00
NDI    52.41 306 iPc   49 53.00  -1.7
                  eS    57 31.00
WMQ    53.44 328 iPc   50 02.00  -0.1
       2.5s    320.00nm          5.9mb
      Z  18s     6.96um          5.8Msz
      N  15s     7.96um
                  pP    50 14.50  44kmX
                  sP    50 18.60
                  PcP   51 05.30
                  PP    52 04.30
                  S     57 33.00
IRK    53.64 345 iP+   50 03.00  -0.4
       2.2s    244.00nm          5.8mb
      Z  18s     4.16um          5.5Msz
      N  17s     2.55um
      E  12s     0.70um
                  e     50 20.30
                  eS    57 32.00
                  e     59 38.00
MOY    54.04 342 iPc   50 06.60   0.4
       2.0s    350.00nm          6.0mb
BOD    57.16 354 iPc   50 28.00  -0.8
       2.1s    385.00nm          6.1mb
PRZ    58.02 321 iPd   50 37.00   1.7
       1.8s    540.00nm          6.3mb
      Z  17s     4.00um          5.6MszX
                  eS    58 37.00
KSH    58.06 317 P     50 37.00   1.4
      Z  16s     4.77um          5.7MszX
      N  15s     3.86um
      E  12s     2.49um
TLG    59.07 322 iP    50 43.50   1.0
      Z  16s     1.50um          5.2MszX
      N  14s     0.60um
      E  16s     1.30um
                  e     51 26.00
                  eS    58 47.00
                  eSSS  05 09.00
PET    59.21  24 iPc+  50 43.50   0.3
       0.9s    175.00nm          6.2mb
                  eS    58 50.00
MSZ    59.92 145 eP    50 48.10  -0.1
YAK    60.95   3 iPc   50 53.40  -1.5
       2.2s    630.00nm          6.4mb
      Z  17s     3.10um          5.5MszX
      N  17s     1.50um
      E  16s     1.50um
                  i     53 10.00
                  iS    59 08.00
                  ePS   59 25.00
EWZ    60.98 143 eP    50 56.00   0.6
THZ    61.33 140 P     50 59.70   1.7
SEM    61.57 330 iPc+  50 58.20  -1.2
       2.2s    274.00nm          6.0mb
      Z  16s     3.00um          5.5MszX
      N  14s     1.00um
      E  14s     1.00um
                  i     53 16.10
                  ePPP  54 43.00
                  eS    59 19.00
                  e     59 39.00
                  e     03 13.00
GAR    61.80 315 iP    51 00.60  -0.7
                  iPPP  54 48.00
                  iS    59 34.00
                  i     00 42.00
                  eSSS  05 57.00
SNZO   62.27 139 P     51 03.00  -1.2
                  e     51 18.00
                  e     59 56.00
MGD    62.40  15 iPc+  51 04.00  -0.8
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       1.0s    200.00nm          6.2mb
                  esP   51 42.00
                  iS    59 30.00
                  ePS   59 37.00
MCQ    62.41 158 eP    51 08.00   3.1X
URZ    62.52 135 eP    51 05.00  -0.9
SMY    66.11  31 eP    51 28.91  -0.1
       0.3s     17.57nm          5.7mb
      Z  21s     2.71um          5.4Msz
CSY    67.90 186 iPd   51 39.70  -0.4
       0.8s     47.70nm          5.7mb
                  ipP   51 49.90  33kmX
DRV    68.53 173 iP    51 43.50  -0.6
                  S     00 57.00
                  SS    04 48.00
                  SSS   08 24.00
ASH    70.32 310 P     51 56.00   0.4
                  e     54 33.00
                  PPP   56 16.00
                  e     01 36.00
                  e     01 50.00
ADK    70.66  34 eP    51 56.69  -0.7
       0.9s     64.06nm          5.8mb
NRI    72.31 347 iPc+  52 04.70  -2.3
       2.1s    250.00nm          5.9mb
      Z  19s    12.00um          6.2Msz
      N  19s     0.90um
      E  19s     3.30um
                  i     52 23.00
                  ePPP  56 30.00
                  eS    01 24.00
SHI    73.44 301 eP    52 12.00  -2.6
SVE    74.83 329 iPc   52 20.50  -1.4
       2.0s    360.00nm          6.1mb
      Z  17s     3.00um          5.7MszX
      N  17s     0.90um
      E  17s     2.50um
                  e     55 08.00
                  ePPP  57 00.00
                  eS    01 57.00
                  ePS   02 40.00
DHR    75.11 297 iPc   52 23.40  -0.7
ARU    75.73 329 iPc   52 25.80  -1.2
       2.0s    350.00nm          6.1mb
      Z  18s     2.00um          5.5Msz
      N  20s     1.00um
      E  18s     2.00um
                  e     52 40.50
                  e     55 19.00
                  ePPP  57 03.00
                  eS    02 02.00
                  e     02 38.00
ILT    77.19  19 iPc   52 34.00  -1.0
       1.2s     71.00nm          5.6mb
      Z  20s     2.00um          5.4Msz
      N  20s     0.60um
      E  20s     1.30um
                  i     52 41.00
                  i     52 51.00
                  e     55 30.00
                  iS    02 20.00
                  e     02 36.00
                  ePS   03 08.00
BAK    77.25 311 iPc   52 38.00   2.1
                  iS    02 34.00
RYD    78.14 295 iPc   52 39.50  -1.6
SHE    78.24 311 iPc   52 52.00  10.7X
       1.8s    190.00nm
      Z  16s     1.60um          5.4MszX
      N  16s     2.00um
      E  16s     2.10um
                  i     55 41.00
                  iS    02 42.00
HON    78.40  69 P     52 50.00   7.5X
      Z  19s     1.85um          5.4Msz
DHH    78.58  69 (P)   52 45.89   2.4
GRS    79.84 310 iPc+  52 50.00  -0.3
       2.0s    280.00nm          5.9mb
                  e     55 50.00
                  eS    02 50.00
                  eSS   07 56.00
KKH    80.17  70 eP    52 51.32  -0.8
MAW    80.35 200 iPc   52 52.20   0.0
       1.0s     46.00nm          5.4mb
ANM    80.78  24 eP    52 55.21   0.6
GRO    80.80 314 iPc+  52 55.00  -0.1
       1.5s    240.00nm          6.0mb
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                  e     55 58.00
                  iS    03 00.00
                  iPS   03 45.00
SDN    80.88  34 eP    52 55.03  -0.2
       0.8s    245.28nm          6.3mb
      Z  20s     3.97um          5.8Msz
ARO    81.16 281 eP+   52 58.20   0.6
MTA    81.25 312 iPc+  52 57.00  -0.5
       0.8s    120.00nm          6.0mb
                  i     56 03.20
                  ePPP  57 56.00
                  eS    03 09.00
                  ePPS  03 56.00
ERE    81.32 310 iP+   52 57.00  -1.0
                  i     56 10.00
                  iS    03 08.00
                  iPS   04 09.00
BISH   81.59 290 iPc   53 00.00   0.2
SBA    82.10 172 eP    53 02.30   1.1
PYA    82.77 314 iPc+  53 04.50  -0.9
       1.3s    220.00nm          6.1mb
      Z  18s     2.00um          5.5Msz
                  ePPP  58 13.00
                  iS    03 22.00
                  iPS   04 12.00
                  ePPS  04 36.00
KIV    83.03 314 iP    53 06.40  -0.5
      Z  17s     1.56um          5.4MszX
                  i     56 20.80
                  e     03 13.40
                  iPS   04 38.00
SVW    84.39  29 eP    53 13.93   0.6
       1.2s    126.45nm          6.0mb
TTA    84.47  27 ePc   53 14.22   0.5
       1.0s     69.88nm          5.8mb
SOC    85.15 313 iPc+  53 16.00  -1.4
                  e     56 32.00
                  ePPP  58 33.00
                  e     03 35.00
                  eSSS  12 40.00
AAE    85.17 279 P     53 19.30   0.9
RUWJ   85.39 302 P     53 21.10   2.1
BRW    85.53  19 ePd   53 19.87   1.1
KDC    85.61  32 ePc   53 19.56   0.2
       1.2s     68.42nm          5.7mb
IMA    85.89  24 ePc   53 21.05   0.2
       1.2s     53.59nm          5.6mb
CRP    86.08  29 eP    53 20.91  -1.0
QTFJ   86.52 302 P     53 24.47   0.0
ANN    86.94 315 iPc+  53 24.50  -1.7
       1.0s     80.00nm          5.9mb
                  ePS   05 22.00
SLKM   86.97  30 eP    53 24.69  -1.4
PPN    87.01 108 iP    53 39.00  12.0X
       1.2s    100.00nm
MOS    87.10 326 iPc   53 25.00  -1.7
       2.0s    560.00nm          6.5mb
      Z  22s     4.70um          5.9Msz
                  e     56 55.00
                  ePPP  58 51.00
                  e     04 02.00
TVO    87.19 108 iP    53 40.00  12.0X
       1.2s    180.00nm
WAJH   87.27 296 ePc   53 28.40   0.2
PMR    87.55  29 eP    53 27.69  -1.1
       0.9s     21.02nm          5.4mb
      Z  20s     1.18um          5.3Msz
OBN    87.66 325 iPc+  53 28.10  -1.3
       1.8s    360.00nm          6.4mb
      Z  19s     2.70um          5.7Msz
      N  22s     1.30um
      E  18s     2.10um
                  e     57 00.00
                  ePPP  58 51.00
                  iS    04 04.00
AYN    87.77 299 ePc   53 30.40  -0.1
KVT    87.79 311 iP    53 32.00   1.6
JARJ   87.82 302 P     53 30.74  -0.1
SHMJ   87.98 303 P     53 31.54   0.1
HRI    88.00 303 eP    53 31.80   0.1
MASJ   88.01 302 P     53 31.52  -0.3
SALJ   88.04 302 P     53 31.83  -0.1
BHL    88.07 304 P     53 31.00  -1.0
                  PP    57 00.00
                  SKS   04 00.00
MKRJ   88.08 301 P     53 31.81  -0.3
SHWJ   88.20 300 P     53 32.60  -0.3
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JVI 88.33 302 eP 53 33.00 -0.3
PMO 88.40 105 iP 53 37.80 4.1X
1.2s 130.00nm 6.1mb
HOL 88.60 299 ePc 53 35.00 0.5
PRNI 88.64 300 eP 53 34.60 -0.1
VAH 88.66 105 iP 53 38.60 3.6X
1.2s 80.00nm 5.9mb
TPT 88.67 105 iP 53 39.00 4.0X
1.2s 130.00nm 6.1mb
RUV 88.90 105 iP 53 39.80 3.7X
1.2s 130.00nm 6.1mb
TOA 88.96 28 eP 53 36.60 0.9
APA 89.29 337 iPd 53 35.50 -1.5
CSS 89.98 305 eP 53 40.00 -0.9
BBTH 90.31 310 iP 53 44.00 1.5
PPCY 90.79 305 eP 53 45.00 0.4
BALM 90.83 29 eP 53 44.31 -0.1
SPA 91.06 180 iPc 53 46.40 1.0
0.9s 90.91nm 6.1mb
Z 21s 4.02um 5.8Msz
KEV 91.45 340 eP 53 45.00 -2.0
ePPP 57 28.00
HLW 91.82 300 (P) 53 49.50 0.0
e 04 29.50
KAF 92.69 332 iP 53 51.00 -1.8
0.7s 21.00nm 5.7mb
KIS 92.76 317 iPd- 53 51.00 -2.4
2.0s 100.00nm 5.9mb
Z 18s 1.70um 5.5Msz
N 16s 1.60um
E 18s 1.10um
i 57 36.00
ITU 93.10 311 eP 53 58.00 2.9
NUR 93.71 331 iP 53 55.40 -2.1
0.6s 5.10nm 5.1mb
ePPP 57 44.00
VRI 94.34 316 ePc 54 01.00 0.2
PTT 94.46 317 eP 54 01.00 -0.3
KRI 94.54 253 iPc 54 01.80 -0.6
ipP 54 10.50 27kmX
SIT 94.89 33 eP 54 03.80 0.8
1.2s 55.82nm 5.9mb
Z 19s 1.80um 5.6Msz
BUC1 94.99 315 ePd 54 03.00 -0.8
MBC 95.12 12 eP 54 03.50 -0.3
1.0s 9.00nm 5.2mb
BUL 95.46 250 iPd 54 05.50 -1.1
0.9s 41.18nm 5.9mb
ipP 54 11.20 18kmX
CMP 95.59 316 ePd 54 15.00 8.4X
LVV 95.65 320 iP 54 06.00 -0.7
e 58 04.00
ePPP 00 07.00
e 05 17.00
SLR 95.65 244 e(P) 54 03.00 -4.4X
Z 20s 2.48um 5.7Msz
PRY 96.34 243 e(P) 54 19.10 8.6X
UZH 96.96 319 iPc 54 12.00 -0.6
0.9s 140.00nm 6.5mb
Z 19s 2.50um 5.7Msz
E 19s 2.00um
e 58 10.00
UPP 97.27 331 iP 54 11.80 -2.0
VAY 97.91 312 iP 54 14.60 -2.5
OJC 98.27 321 eP 54 20.00 1.5
e 58 17.00
SKO 98.65 313 eP 54 18.50 -1.9
i 58 24.00
MFS 99.09 332 eP 54 19.00 -3.0X
0.9s 8.30nm 5.3mb
Z 18s 3.51um 5.9Msz
LR 33 40.00
SRO 99.73 319 eP 54 24.60 -0.6
e 57 26.50
e 58 01.70
e 58 26.20
WB2 99.94 333 P 54 23.50 -2.5
0.9s 7.10nm 5.2mb
KSP 100.31 322 ePdiff54 27.30 -0.5
e 54 35.70
e 57 45.50
PRU 101.61 322 ePdiff54 36.50 2.9X
Z 18s 1.30um 5.5Msz
N 18s 0.80um
E 18s 2.10um
e 54 43.50
e 57 19.00

PRU 101.61 322 ePdiff54 33.00 -0.6
Z 20s 1.60um 5.5Msz
N 21s 1.00um
E 21s 2.00um
e 57 52.70
ePP 58 42.50
BRG 101.73 323 iPdiff54 33.00 -1.1
1.1s 20.00nm 5.6mb
Z 18s 2.00um 5.7Msz
N 18s 1.00um
E 18s 2.50um
i 54 42.00
e 02 52.00
ZAG 101.74 317 ePdiff54 32.50 -1.7
e 58 32.50
CLL 102.17 323 iPdiff54 34.80 -1.2
Z 19s 2.50um 5.8Msz
PKKP 11 02.00
VBY 102.31 317 ePdiff54 38.00 1.2
ePP 58 50.50
KHC 102.45 321 ePdiff54 36.50 -0.9
Z 18s 1.30um 5.5Msz
N 18s 0.80um
E 18s 2.10um
e 54 43.50
e 57 19.00
GEC2 102.45 321 Pdiff 54 35.20 -2.3X
0.9s 1.63nm 4.7mb X
GEC2 102.45 321 Pdiff 54 44.70 7.2X
LJU 102.67 318 e(Pdif54 36.00 -2.4X
ePP 58 44.00
eSKSac05 18.00
YKA 103.01 24 ePdiff54 39.50 0.0
0.8s 2.60nm 5.0mb
MOX 103.21 323 ePdiff54 39.30 -1.4
Z 22s 2.50um 5.7Msz
N 21s 1.90um
E 20s 1.00um
TRI 103.27 318 ePdiff54 40.00 -1.0
e 58 52.00
GRF 103.75 322 ePdiff54 42.90 -0.2
2.0s 21.00nm 5.6mb
Z 20s 1.80um 5.6Msz
GMW 104.65 40 ePdiff54 48.48 1.3
TNS 105.26 323 ePKP+ 59 15.00 10.9X
FIR 105.53 316 ePKP 59 14.00 9.3X
BNS 105.75 324 iPdiff54 58.00 6.1X
Z 20s 4.70um 6.0Msz
i+ 59 19.50
PNT 106.04 38 ePdiff54 52.00 -1.3
DBN 106.45 326 ePKP 59 24.00 17.9X
Z 18s 2.20um 5.8Msz
ePP 01 29.00
ePKKP 09 43.00
eSSS 23 06.00
LPL 108.02 319 ePKP 59 09.70 0.0
0.9s 5.40nm
TCF 110.63 321 ePKP 59 24.10 9.7X
1.1s 8.80nm
LSF 111.07 321 ePKP 59 24.60 9.4X
0.8s 6.05nm
CAF 111.29 320 ePKP 59 15.30 -0.4
1.0s 6.60nm
ISA 111.41 51 PKP 59 30.00 13.8X
Z 19s 1.22um 5.5Msz
RJF 111.48 320 ePKP 59 18.80 2.8X
1.2s 11.60nm
Z 22s 1.30um 5.5Msz
LRM 111.89 39 ePKP 59 05.00 -12.1X
LPO 111.96 320 ePKP 59 16.60 -0.3
0.9s 5.55nm
LFF 112.14 320 ePKP 59 18.80 1.6
1.4s 35.30nm
HPI 112.38 41 (PKP) 59 19.04 0.9
FCC 113.21 20 ePKP 59 21.50 2.8X
HVU 113.39 43 ePKP 59 17.07 -2.9X
DUG 114.01 45 ePKP 59 16.02 -5.2X
MSU 115.13 46 ePKP 59 24.24 0.7
EMUT 115.56 44 ePKP 59 24.79 0.5
SRU 116.06 45 ePKP 59 24.83 -0.4
RSSD 117.92 37 ePKPd 59 27.50 -1.1
ULM 118.56 28 ePKP 59 30.00 0.7
GOL 119.35 42 ePKP 59 31.94 0.4
Z 21s 0.82um 5.3Msz
ALQ 120.79 48 ePKP 59 34.83 0.5
Z 21s 0.17um 4.7Msz
AVE 122.97 312 ePKP 59 45.00 6.8X

TIO 123.89 309 iPKP 59 40.50 0.1
ACO 125.09 42 iPKPc 59 42.60 0.3
MEO 126.52 44 iPKPd 59 44.60 -0.6
OCO 126.87 43 iPKPd 59 48.10 2.3X
FNO 127.07 43 iPKPd 59 46.40 0.2
FKO 127.08 43 iPKPc 59 46.50 0.3
SIO 127.53 42 ePKP 59 47.40 0.4
e 59 57.10
e 00 06.60
TUL 127.77 41 ePKP 59 47.20 -0.3
0.8s 22.10nm
e 59 57.30
e 00 06.70
e 01 05.00
e 13 36.00
LNO 127.77 41 ePKP 59 46.90 -0.5
e 59 56.50
e 00 06.40
RLO 128.12 40 ePKP 59 47.90 -0.3
e 59 57.90
e 00 07.50
VVO 128.14 42 ePKP 59 48.00 -0.2
e 59 58.20
e 00 07.00
EEO 128.33 20 ePKP 59 50.00 1.8
KIC 128.35 279 PKP 59 48.40 -0.8
TIC 128.59 279 PKP 59 49.40 -0.3
LIC 128.64 279 PKP 59 49.40 -0.4
CCM 129.27 36 ePKP 59 50.28 0.0
Z 20s 0.90um 5.5Msz
FVM 129.79 36 ePKP 59 50.78 -0.5
Z 18s 1.84um 5.8Msz
LMN 132.63 8 ePKP 00 01.50 5.1X
LVNJ 134.94 20 ePKP 00 01.37 0.4
TKL 135.19 33 ePKP 59 52.53 -9.1X
BLA 135.68 28 ePKP 00 02.54 0.0
CVL 135.94 26 ePKP 59 59.50 -3.4X
PRM 137.13 33 ePKP 59 54.63 -10.7X
CEH 137.37 28 PKP 00 20.00 14.3X
Z 20s 0.96um 5.5Msz
JSC 137.57 32 ePKP 00 05.37 -0.8
LHS 137.65 31 ePKP 00 07.55 1.3
SGS 138.81 32 ePKP 00 00.17 -8.3X
LPA 146.28 177 ePKP+ 00 18.00 -3.4X
Z 20s 1.42um 5.7Msz
ePP 03 43.00
RTCB 147.40 159 iPKPd 00 24.00 0.6
CFA 147.48 160 ePKP 00 23.80 0.3
RTLL 147.66 160 e(PKP)00 18.50 -5.3X
RTPR 149.25 162 iPKPc 00 30.10 3.9X
NNA 156.62 119 ePKP 00 32.50 -4.7X
1.0s 20.00nm
ARE 158.36 136 ePKP 00 40.00 0.5
PSO 158.52 84 ePKP 00 41.00 1.1
PPD 158.68 192 ePKP 00 39.60 0.2
PDCR 159.79 235 ePKP 00 40.70 -0.1
CNCB 160.38 144 iPKPc 00 44.00 2.0X
i 01 26.00
LPB 160.53 143 PKP 00 44.00 2.0X
Z 20s 1.42um
i 01 27.00
(PP) 05 08.00
LR 00 10.00
ZOBO 160.70 142 iPKPc 00 43.70 1.3
1.0s 40.00nm
LR 00 00.00
BOG 161.05 73 ePKP 00 43.50 1.0
FUQ 161.09 70 ePKP 00 42.00 -0.6
BMG 161.11 64 iPKPc 00 41.50 -0.8
SDV 162.35 56 ePKP 00 43.50 -0.1
SIV 164.34 161 PKP 00 46.20 0.9
i 01 40.30
S.D. = 1.1 on 257 of 314 obs.

* JUN 06, 1992 22h 56m 04.17± 0.88s
43.929 N ± 9.7km 148.628 E ±10.2km
DEPTH = 33.0km (normal)
3.8mb (2 obs.)
EAST OF KURIL ISLANDS (222)

KUSJ 2.97 255 P 56 48.80 -1.2
eS 57 18.60
HOOJ 4.20 250 eP 57 08.70 1.2
eS 57 52.20
ASAJ 4.32 275 eP 57 09.00 -0.2
MRRJ 5.73 257 eP 57 29.50 0.5
eS 58 31.50

AOMJ 6.99 244 eP 57 46.80 0.0
OFUJ 7.12 230 P 57 48.30 -0.4
eS 59 03.90
YAMJ 8.67 231 P 58 10.10 -0.1
NIIJ 9.91 231 eP 58 27.00 -0.3
FAKJ 10.07 223 eP 58 29.70 0.2
CHJJ 10.79 226 eP 58 39.10 -0.3
MAT 10.85 231 eP 58 40.00 -0.2
eS 59 37.00
MTMJ 11.05 232 eP 58 43.00 0.0
IIDJ 11.79 228 eP 58 53.50 0.4
IMA 37.93 34 eP 03 19.80 -0.1
0.6s 0.80nm 3.8mb
CHTO 48.36 255 e(P) 04 45.30 0.6
0.7s 0.64nm 3.8mb
S.D. = 0.6 on 15 of 15 obs.

JUN 06, 1992 23h 29m 32.35± 0.15s
3.672 N ± 2.8km 126.954 E ± 4.0km
DEPTH = 43.6km (8 depth phases)
5.5mb (72 obs.) 4.8Msz (21 obs.)
TALAUD ISLANDS, INDONESIA (263)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 55C
Centroid Location:
Origin Time 23:29:37.0 0.5
Lat 3.91N 0.04 Lon 127.13E 0.05
Dep 43.0 BDY Half-duration 2.2
Moment Tensor; Scale 10**17 Nm
Mrr=-1.76 0.08 Mtt= 0.32 0.10
Mff= 1.44 0.13 Mrt=-0.98 0.14
Mrf= 0.93 0.15 Mtf=-0.49 0.09
Principal Axes:
T Val= 2.03 Plg=19 Azm=243
N 0.25 11 150
P -2.28 68 32
Best Double Couple:Mo=2.2*10**17
NP1:Strike=350 Dip=28 Slip= -67
NP2: 145 64 -102

BIP 4.58 351 ePd 30 43.00 2.1
eS 31 25.00
CGP 5.26 335 eP 30 52.00 1.5
eS 31 53.00
MAP 7.24 336 ePd 31 17.00 -1.3
eS 32 14.00
PLP 7.70 345 eP 31 24.70 0.0
PCI 8.44 238 ePd 31 38.70 3.7X
1.0s 37.00nm 5.3mb
e 36 56.00
TSM 9.08 274 ePc 31 45.00 1.1
1.0s 583.50nm 6.6mb X
KKM 10.96 283 ePd 32 13.20 3.5X
TGY 11.95 331 eP 32 27.00 4.1X
PIP 15.83 337 ePc 33 14.00 0.1
MTN 16.93 166 eP 33 25.00 -2.8
0.4s 200.00nm 5.6mb
WWKK 18.17 113 eP 33 22.50 -20.7X
GUMO 20.25 60 eP 34 05.00 -1.8
1.1s 273.70nm 5.5mb
Z 23s 4.27um 4.7MszX
eS 37 52.60
e 38 08.30
PJG 20.25 60 eP 34 04.80 -2.1
GUA 20.26 60 eP 34 04.50 -2.5
1.0s 240.00nm 5.5mb
HKC 22.29 327 eP 34 27.80 0.4
eS 38 29.00
LAT 22.49 117 eP 34 28.60 -0.9
QZH 22.63 340 eP 34 30.00 -0.8
1.3s 270.00nm 5.5mb
Z 20s 2.24um 4.6Msz
N 18s 2.26um
S 38 33.00
QIZ 22.64 314 eP 34 32.00 1.0
N 13s 1.87um
E 13s 1.53um
S 38 35.00
GZH 23.37 327 iPc 34 38.50 0.6
1.0s 170.00nm 5.5mb
Z 17s 1.79um 4.6MszX
E 12s 1.53um
S 38 42.00
KLI 23.65 249 eP 34 42.00 1.2
e 35 38.00
KGM 23.66 267 ePd 34 42.50 1.6

WB2 24.57 163 ePc 34 49.10 -0.6
0.7s 350.80nm 6.0mb
eS 39 07.90
MBL 25.65 196 eP 34 59.50 -0.3
0.4s 18.00nm 5.0mb
IPM 25.88 273 ePc 35 01.50 -0.6
SNG 26.45 279 eP 34 48.40 -18.9X
QIS 27.09 153 eP 35 11.00 -2.1
i 35 13.60 9kmX
i 35 21.50
SSE 27.81 349 iPd 35 20.40 0.8
1.4s 170.00nm 5.5mb
Z 20s 1.40um 4.5Msz
N 12s 0.30um
E 11s 0.30um
S 39 58.00
sS 40 15.00
ASPA 28.00 166 iPc 35 20.30 -1.1
0.3s 20.80nm 5.3mb
Z 23s 1.90um 4.6MszX
eS 40 03.40
NANU 28.36 203 eP 35 24.50 -0.1
NST 28.96 296 eP 35 31.00 1.0
NJ2 29.24 346 Pd 35 32.00 -0.4
0.9s 41.00nm 5.1mb
N 13s 0.67um
E 12s 0.54um
S 40 20.00
WHN 29.26 337 Pc 35 33.00 0.4
1.0s 27.00nm 4.9mb
Z 28s 5.22um 5.0MszX
E 22s 3.33um
pP 35 42.00 31kmX
GYA 29.85 321 P 35 37.80 -0.4
Z 24s 13.20um 5.5MszX
N 12s 0.88um
E 12s 0.67um
pP 35 47.80 35km
S 40 29.00
KHT 30.05 293 eP 35 39.50 -0.4
CTA 30.28 142 iPc 35 44.00 2.1
1.0s 72.50nm 5.4mb
BDT 30.55 298 eP 35 44.00 -0.2
MEEK 31.19 195 iPd 35 49.00 -0.8
CHG 31.24 301 eP 35 50.00 -0.4
1.0s 24.50nm 4.9mb
CHTO 31.24 301 iP 35 49.80 -0.6
1.0s 47.75nm 5.2mb
eS 40 51.00
KMI 31.58 315 Pc 35 54.00 0.5
1.5s 100.00nm 5.4mb
pP 36 00.00 21kmX
YONJ 31.93 10 P 35 55.80 -0.4
IIDJ 33.24 16 eP 36 05.40 -2.2
TIA 33.63 346 Pd 36 10.70 -0.2
1.2s 260.00nm 6.0mb
Z 24s 1.38um 4.6MszX
E 14s 1.11um
S 41 25.00
FORT 34.27 178 eP 36 15.50 -1.0
MAT 34.31 16 eP 36 13.00 -3.9X
1.1s 22.78nm 5.0mb
(S) 40 54.00
MRWA 34.35 197 eP 36 16.50 -0.8
QLP 34.41 152 eP 36 16.70 -1.1
0.8s 100.00nm 5.8mb
XAN 34.57 333 Pd 36 17.50 -1.6
1.0s 67.00nm 5.5mb
PP 37 36.00
S 41 40.00
COOL 34.81 189 eP 36 19.50 -1.7
CD2 34.82 324 P 36 20.60 -0.8
1.0s 55.00nm 5.4mb
Z 22s 1.73um 4.8Msz
N 14s 1.12um
DL2 35.40 353 eP 36 26.00 -0.1
1.0s 370.00nm 6.3mb
Z 20s 0.92um 4.5Msz
eS 41 57.00
BAL 35.46 195 eP 36 26.00 -0.7
KL8 36.14 193 eP 36 31.60 -0.9
YAMJ 36.36 18 P 36 33.60 -0.6
TIY 36.40 340 eP 36 34.10 -0.5
Z 30s 1.57um 4.6MszX
E 20s 2.00um
S 42 07.50
ScS 46 48.50

RMQ 36.66 146 eP 36 35.00 -1.9
MUN 36.90 195 eP 36 38.40 -0.4
BJI 37.49 346 eP 36 44.00 0.3
2.0s 920.00nm 6.3mb
Z 20s 0.60um 4.4Msz
ePcP 39 02.50
eS 42 30.00
esS 42 46.00
eScS 46 54.00
OFUJ 37.70 19 P 36 43.40 -2.1
STK 38.00 160 iPd 36 47.90 -0.1
0.7s 115.10nm 5.9mb
iPcP 39 04.00
eS 42 31.80
SNY 38.11 356 iPd 36 49.00 0.2
1.0s 120.00nm 5.7mb
Z 26s 1.62um 4.7MszX
sP 37 06.00
S 42 39.00
LZH 38.67 329 eP 36 54.00 0.2
1.5s 180.00nm 5.7mb
Z 28s 3.70um 5.1MszX
N 20s 2.56um
PP 38 28.00
PcP 39 02.00
eS 42 45.00
PcS 42 52.50
ScS 47 00.00
CMS 39.31 154 eP 36 58.00 -1.1
i 37 23.20 109kmX
HHC 39.52 342 Pd 37 01.20 0.4
1.1s 130.00nm 5.6mb
Z 22s 1.29um 4.7Msz
N 20s 1.32um
BTO 39.81 340 eP 37 13.00 9.8X
N 20s 1.66um
E 17s 1.13um
ePP 38 36.00
eS 43 03.50
eSS 45 49.50
CN2 39.98 358 Pc 37 04.60 0.2
0.8s 16.00nm 4.9mb
Z 20s 0.97um 4.6Msz
N 15s 0.16um
E 15s 0.20um
epP 37 13.00 28kmX
PcP 39 10.00
eS 43 06.00
SS 46 00.00
ADE 39.99 165 eP 37 06.70 2.0
0.7s 54.79nm 5.5mb
MRRJ 40.59 16 eP 37 08.90 -0.5
MDJ 40.84 3 Pd 37 11.70 0.2
1.0s 150.00nm 5.7mb
Z 32s 2.40um 4.8MszX
PcP 39 11.50
S 43 22.00
HOOJ 41.21 18 eP 37 15.20 0.7
ARMA 41.30 147 iPc 37 15.90 0.4
0.6s 53.00nm 5.4mb
i 39 14.00
KUSJ 42.31 19 eP 37 24.10 0.6
ASAJ 42.60 17 eP 37 26.40 0.5
LSA 42.64 311 iPd 37 27.40 0.3
0.9s 10.00nm 4.5mb
BWA 42.95 154 iPd 37 31.00 2.1
BFD 43.15 162 iPc 37 31.30 0.8
0.9s 114.00nm 5.6mb
i 37 44.00 47km
GTA 43.26 329 iPd 37 31.00 -0.5
1.0s 34.00nm 5.0mb
Z 20s 4.62um 5.4Msz
E 19s 2.30um
pP 37 44.00 48km
sP 37 51.00
CAN 43.96 154 iPd 37 38.40 1.3
TOO 44.50 159 iPc 37 42.70 1.2
0.6s 24.00nm 5.2mb
YSS 45.29 15 eP 37 47.00 -0.5
1.4s 200.00nm 5.8mb
Z 19s 0.60um 4.5Msz
N 19s 0.90um
E 20s 0.50um
GUN 45.94 306 P 37 50.80 -2.7
PKI 46.18 305 P 37 53.40 -2.0
DZM 46.32 125 iPc 37 55.10 -1.1
KKN 46.38 306 P 37 54.80 -2.0

06d 23h

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DMN    46.45 305 P      37 55.80  -1.6
       1.0s    93.00nm           5.7mb
GKN    46.98 305 P      37 59.20  -2.3
HYB    49.35 290 eP     38 19.00  -0.8
                 e      38 40.00  86kmX
ZAK    50.65 341 iPd    38 29.00  -0.2
       1.6s    59.00nm           5.3mb
   Z  20s      0.56um            4.6Msz
   N  16s      0.39um
   E  16s      0.48um
                 e      39 47.00 382kmX
IRK    51.96 343 ePd    38 39.00  -0.2
       1.6s   112.00nm           5.6mb
                 e      38 55.30  63kmX
                 eS     45 54.00
MOY    52.53 340 iPd    38 44.00   0.6
       1.5s    21.00nm           4.9mb
WMO    52.90 325 P      38 45.50  -0.9
       1.5s    32.00nm           5.1mb
   Z  20s      1.87um            5.1Msz
   N  14s      1.01um
                 sP     38 56.50
                 PP     40 48.00
                 ScP    43 48.00
                 eS     46 12.00
                 ScS    48 29.80
                 eSS    49 48.00
POO    53.95 290 iPd    39 01.00   6.6X
BOD    54.96 352 iPd    39 01.20   0.0
       1.2s    65.00nm           5.5mb
PET    55.69  23 iPc    39 06.00  -0.5
       1.0s    86.00nm           5.7mb
                 e      39 28.00  88kmX
PRZ    57.90 319 eP     39 24.00   1.4
       1.2s    30.00nm           5.3mb
KSH    58.21 315 P      39 28.50   3.7X
   Z  20s      2.50um            5.3Msz
YAK    58.25   2 iPd    39 23.80  -0.7
       1.3s   510.00nm           6.5mb
                 ipP    39 46.00  88kmX
                 i      40 14.00
                 i      41 38.00
                 eS     47 24.00
                 e      49 05.00
MGD    59.18  14 ePd-   39 30.00  -1.0
       1.1s   190.00nm           6.1mb
   Z  22s      0.90um            4.9Msz
   N  22s      0.70um
                 i      39 41.00  37km
                 e      39 56.00
                 e      40 22.00
                 e      49 14.00
MSZ    60.45 147 P      39 40.40   0.5
LMZ    60.58 146 eP     39 40.60  -0.2
SEM    60.87 328 ePc    39 42.00  -0.7
                 epP    40 02.00  78kmX
                 e      42 04.00
                 eS     47 53.00
                 ePS    48 10.00
                 e      49 28.00
EWZ    61.34 145 eP     39 47.20   1.2
THZ    61.52 142 P      39 46.50  -0.9
LTZ    61.73 144 P      39 48.20  -0.6
GAR    62.13 313 eP     39 50.20  -1.5
SMY    62.40  30 eP     39 53.60   0.6
       0.8s   104.10nm           6.0mb
ADK    66.88  34 eP     40 21.30  -0.8
       1.2s   148.60nm           5.9mb
NRI    70.45 346 iPd-   40 43.00  -0.9
       1.1s   153.00nm           5.9mb
   Z  20s      2.50um            5.5Msz
   E  20s      0.50um
                 i      40 56.00  45km
                 e      43 18.00
                 iS     49 50.00
                 esS    50 37.00
                 eSS    54 26.00
CSY    70.80 187 P      40 48.00   2.0
ASH    70.93 309 eP     40 47.00  -0.4
ILT    73.80  19 iPd    41 03.00  -0.7
       1.2s    84.00nm           5.6mb
                 i      41 19.00  58kmX
SVE    74.12 328 iPd    41 06.00   0.2
       1.8s   280.00nm           5.9mb
   Z  20s      0.60um            4.9Msz
   N  19s      0.20um
   E  19s      0.40um
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                 e      41 20.00  49km
                 eS     50 35.00
                 ePS    51 05.00
HON    74.75  69 P      41 20.00   9.9X
   Z  19s      0.69um            5.0Msz
ARU    75.08 328 iPd    41 11.00  -0.3
       1.8s   240.00nm           5.9mb
   Z  22s      0.50um            4.8Msz
   E  22s      0.50um
                 e      41 37.00 100kmX
                 eS     50 40.00
SDN    77.10  34 eP     41 23.00   0.3
ANM    77.23  24 eP     41 25.00   1.7
SHE    78.75 311 eP     41 36.50   4.4X
       1.0s    30.00nm           5.2mb
                 iS     51 28.00
GRS    80.44 309 eP     41 42.00   0.5
       1.3s    40.00nm           5.2mb
                 eS     51 36.00
SVW    80.73  29 eP     41 44.30   1.9
TTA    80.85  27 eP     41 44.50   1.4
MTA    81.71 311 iP     41 49.00   1.2
                 e      42 02.00  44km
KDC    81.86  32 eP     41 49.80   1.5
ERE    81.88 310 eP     41 52.00   3.1X
                 iS     51 58.00
                 ePS    52 55.00
BRW    82.16  18 eP     41 52.00   2.4
IMA    82.35  24 eP     41 52.40   1.5
       1.1s   104.90nm           5.8mb
CRP    82.41  29 P      41 51.00  -0.3
PYA    83.07 314 P      41 54.00  -0.9
   Z  20s      1.00um            5.2Msz
                 i      42 07.00  44km
                 i      42 16.00
                 e      52 11.00
SLKM   83.28  30 P      41 55.20  -0.5
KIV    83.34 314 iP     41 57.00   0.6
   Z  21s      0.62um            5.0Msz
                 i      42 19.00  82kmX
                 iS     52 06.40
                 iPS    52 58.00
MAW    83.78 200 ePc    41 59.00   1.0
       1.0s    17.00nm           5.1mb
PMR    83.89  29 eP     41 59.20   0.6
       1.2s   243.90nm           6.2mb
FBA    84.68  25 P      42 02.50  -0.1
       0.5s    17.29nm           5.4mb
TOA    85.31  28 eP     42 07.50   1.6
KLU    85.42  29 P      42 07.10   0.6
SOC    85.49 313 eP     42 07.00  -0.1
MOS    86.61 325 eP     42 12.00  -0.3
       2.0s   320.00nm           6.2mb
                 e      52 42.00
BALM   87.16  29 P      42 15.20   0.1
ANN    87.19 315 eP     42 14.50  -0.8
                 e      52 50.00
OBN    87.22 325 iPc    42 15.30   0.0
       1.3s   120.00nm           6.0mb
   Z  20s      0.70um            5.1Msz
                 iS     52 48.00
APA    88.02 337 iPd    42 19.50   0.6
                 iS     52 58.00
KEV    90.02 340 eP     42 28.00  -0.4
       0.9s    28.70nm           5.6mb
KAF    91.75 332 iP     42 35.80  -0.6
       0.6s     6.50nm           5.2mb
MBC    91.96  13 eP     42 38.00   0.8
       1.0s     8.00nm           5.1mb
MNK    92.58 324 eP     42 39.00  -1.4
NUR    92.86 331 iP     42 40.50  -1.1
       0.9s     8.20nm           5.2mb
SPA    93.65 180 iPd    42 47.00   1.7
       1.0s    14.00nm           5.3mb
VRI    94.49 316 ePd    42 51.00   1.6
MLR    95.10 316 iPd    42 52.00  -0.4
UPP    96.42 331 iP     42 57.30  -0.6
UZH    96.89 320 iPc    43 01.00   0.7
       1.0s    62.00nm           6.1mb
HFS    98.17 332 eP     43 04.70  -1.1
       1.2s    32.70nm           5.7mb
   Z  20s      0.39um            4.9Msz
                 LR     22 01.00
VAY    98.33 312 iP     43 06.00  -0.9
NB2    98.94 334 P      43 08.10  -1.3
       1.0s    13.60nm           5.4mb
YKA    99.46  24 eP     43 11.70   0.1
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       0.9s     4.30nm            5.0mb
UZD    99.84 318 e(P)   43 14.00   0.3
KSP   100.02 323 ePdiff43 15.00    0.6
                 e      46 21.00
GMW   100.80  40 Pdiff  43 18.60   0.6
PRU   101.36 323 ePdiff43 28.00    7.6X
                 e      46 22.50
                 e      48 01.00
PRU   101.36 323 ePdiff43 21.30    0.9
BRG   101.42 323 ePdiff43 20.50   -0.1
       1.2s    11.00nm            5.3mb
RMW   101.46  40 Pdiff  43 22.10   1.1
CLL   101.82 324 ePdiff43 23.00    0.6
                 e      43 41.00
PNT   102.21  38 ePdiff43 30.00    5.7X
KHC   102.25 322 ePdiff43 28.00    3.6X
                 e      46 22.50
                 e      48 01.00
GEC2  102.27 322 Pdiff  43 24.40  -0.2
       0.9s     1.23nm           4.5mb
GRB5  103.42 322 ePdiff43 30.50    0.9
       1.1s     3.00nm            5.0mb
FCC   109.75  21 ePKP   48 04.00   4.0X
MSU   111.24  46 PKP    48 05.60   1.7
SRU   112.18  45 PKP    48 06.00   0.5
ULM   114.90  29 ePKP   48 12.50   2.3X
GOL   115.47  43 PKP    48 12.70   0.7
ALQ   116.90  48 PKP    48 16.10   1.3
MEO   122.63  44 iPKPc  48 26.00   0.6
FNO   123.19  43 iPKPc  48 27.50   1.0
RLO   124.26  41 ePKP   48 29.20   0.6
VVO   124.27  42 ePKP   48 29.30   0.7
EEO   124.87  22 ePKP   48 32.00   2.6X
FVM   125.99  36 PKP    48 31.60  -0.3
OLY   126.95  39 PKP    48 33.50  -0.3
PWLA  129.41  38 PKP    48 38.10  -0.3
LMN   129.60  11 ePKP   48 43.00   4.5X
KIC   130.75 282 PKP    48 42.60   1.0
TIC   130.97 282 PKP    48 42.70   0.7
LIC   131.06 281 PKP    48 43.00   0.9
TKL   131.43  34 PKP    48 42.40   0.1
NAV   131.74  30 PKP    48 43.20   0.3
CVL   132.32  27 PKP    48 44.80   0.9
NA2   132.53  27 PKP    48 44.80   0.6
SGS   135.06  33 PKP    48 51.60   2.4X
RTCB  148.61 154 iPKPc  49 14.50   1.3
CFA   148.75 154 ePKP   49 14.00   0.7
RTLL  148.89 154 e(PKP)49 21.20    7.6X
RTPR  150.61 156 ePKPd  49 22.20   6.1X
ARE   157.87 126 e(PKP)49 27.00    0.2
CNCB  160.37 133 PKP    49 33.00   3.2X
LPB   160.46 132 PKPc   49 33.10   3.4X
ZOBO  160.58 131 PKPd   49 32.60   2.5X
       1.1s    31.90nm
PPD   161.67 185 ePKP   49 32.20   1.9
SIV   165.43 148 PKP    49 36.20   2.2X
                 i      50 34.20
      S.D. = 1.1  on 173 of 199 obs.
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& JUN  07, 1992  00h 00m 48.92s
   59.583 N            153.032 W
   DEPTH =  98.3km
   3.4mb (  1 obs.)
  SOUTHERN ALASKA                  (  2)
        <AEIC>. Felt (II) at Pedro Bay.

AUE      0.28 218 iPc    01 02.67  -0.7
AUL      0.29 226 iPc    01 02.86  -0.6
AUP      0.30 222 iPc    01 02.89  -0.7
AUH      0.30 224 iPc    01 02.92  -0.7
AUI      0.32 219 iPc    01 02.81  -0.8
                  eS     01 13.48
IVS      0.43 357 eP     01 04.24  -0.3
                  eS     01 15.33
INE      0.48 358 ePd    01 03.99  -0.8
                  eS     01 15.30
XLV      0.68 100 eP     01 05.62  -0.6
                  eS     01 18.69
HOM      0.71  83 eP     01 06.10  -0.4
CDD      0.73 206 iPc    01 05.68  -1.0
MCNL     0.78 240 iPd    01 06.20  -1.0
                  eS     01 19.53
RED      0.85   9 iPd    01 07.12  -0.9
                  iS     01 21.29
RS1      0.89   9 iPd    01 07.78  -0.8
RSO      0.89   9 iPd    01 07.81  -0.8
                  eS     01 22.61
```

RS2	0.89	9	iPd	01	07.82	-0.8
CNPM	0.92	93	eP	01	07.91	-0.7
			eS	01	22.18	
REF	0.92	10	iPd	01	08.08	-0.8
NNL	0.99	62	ePd	01	09.37	0.0
DFR	1.03	10	iPd	01	09.20	-0.7
SYI	1.03	161	iPc	01	09.05	-0.8
RDT	1.04	17	iPd	01	09.11	-0.9
			eS	01	24.96	
BRLK	1.10	80	ePd	01	09.60	-1.1
BKG	1.54	14	ePd	01	15.24	-0.8
			eS	01	34.10	
CKL	1.66	12	iPd	01	16.92	-0.6
SPU	1.68	16	iPd	01	16.95	-0.8
			eS	01	39.63	
SLKM	1.69	55	eP	01	16.35	-1.6
CKN	1.70	14	iPd	01	17.55	-0.5
BGL	1.72	10	iPd	01	17.85	-0.5
CPKM	1.73	13	ePd	01	18.22	-0.4
			eS	01	40.90	
CRP	1.74	14	ePn	01	15.94	-2.8
CGLM	1.80	16	iPd	01	18.77	-0.7
KDC	1.86	171	P	01	18.30	-1.8
NCG	1.88	13	iPd	01	19.88	-0.6
SEW	1.88	72	eP	01	19.07	-1.3
			eS	01	41.66	
SVW	2.00	321	P	01	21.20	-0.8
SUA	2.20	30	iPd	01	24.07	-0.6
			eS	01	51.87	
PTE	2.38	56	ePd	01	25.35	-1.6
PMS	2.40	44	P	01	26.20	-1.1
SKT	2.52	16	iPd	01	27.79	-1.1
			eS	02	00.35	
PWA	2.59	35	P	01	28.80	-1.0
PLRM	2.79	42	ePd	01	30.51	-2.0
PMR	2.79	42	eP	01	31.10	-1.4
KNK	2.91	49	ePd	01	32.26	-2.0
			eS	02	05.92	
GHO	2.98	41	ePd	01	33.36	-1.9
CUT	3.13	24	eP	01	35.97	-1.2
SML	3.21	44	ePd	01	36.28	-2.1
HIN	3.38	73	ePd	01	37.87	-2.8
MID	3.42	90	P	01	39.50	-1.5
VZW	3.55	63	P	01	40.50	-2.4
SCM	3.60	49	ePd	01	41.61	-2.1
TTA	3.65	338	P	01	43.20	-1.2
VLZ	3.67	62	ePc	01	42.25	-2.3
CVA	3.78	72	eP	01	43.06	-2.9
HUR	3.78	24	eP	01	45.43	-0.7
KLU	4.00	58	iPd	01	46.76	-2.5
TRF	4.10	18	eP	01	49.43	-1.2
KTH	4.11	13	eP	01	49.04	-1.7
TOA	4.20	50	P	01	50.00	-2.0
RND	4.33	26	eP	01	52.31	-1.4
KAIM	4.37	82	eP	01	52.26	-2.0
TZL	4.47	53	P	01	56.00	0.4
MCK	4.60	23	eP	01	55.70	-1.7
SDG	4.69	48	eP	01	56.09	-2.5
BWN	4.90	19	eP	01	59.99	-1.6
GLB	4.92	64	ePd	01	59.05	-2.9
PAX	4.99	44	eP	02	00.46	-2.3
TGL	5.23	73	eP	02	04.03	-2.2
NEA	5.34	19	eP	02	05.22	-2.5
WRH	5.43	23	eP	02	06.12	-2.7
BALM	5.51	70	ePc	02	07.86	-2.2
MLY	5.57	10	eP	02	08.76	-2.1
WRG	5.57	81	eP	02	08.82	-2.0
HDA	5.62	28	eP	02	09.09	-2.4
CCB	5.64	24	eP	02	08.92	-2.9
YAH	5.72	77	eP	02	11.18	-2.0
SDN	5.86	227	P	02	12.10	-2.6
FBA	5.87	22	P	02	12.50	-2.4
GLM	6.03	23	eP	02	14.43	-2.7
IMA	6.52	358	P	02	22.60	-1.4
PRP	6.89	27	P	02	23.10	-6.0
SIT	9.65	98	(P)	03	03.54	-2.9
YKA	18.64	65	eP	04	58.50	-2.8
	0.5s		1.00nm			3.4mb
MBC	20.41	22	eP	05	22.00	2.4

83 obs. associated

& JUN 07, 1992 01h 09m 11.76s
61.955 N 149.843 W
DEPTH = 46.4km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.6 (AEIC).

PWA	0.31	183	P	09	20.80	0.2
			S	09	28 10	
GHO	0.47	112	iP	09	22.16	-0.5
			eS	09	30.92	
CUT	0.49	336	iP	09	22.12	-0.6
			eS	09	30.45	
PLRM	0.50	137	iP	09	21.98	-0.8
			eS	09	30.79	
PMR	0.50	137	ePc	09	21.80	-1.0
SUA	0.65	221	iP	09	24.90	-0.1
			eS	09	36.15	
PMS	0.73	169	P	09	25.50	-0.4
			S	09	37.10	
SML	0.73	101	iP	09	25.02	-0.9
SKT	0.80	273	iP	09	26.04	-0.8
			eS	09	37.58	
KNK	0.86	129	iP	09	26.96	-0.7
HUR	1.03	5	eP	09	29.38	-0.7
PTE	1.16	160	eP	09	31.43	-0.4
SCM	1.20	95	iP	09	31.69	-0.8
CGLM	1.22	239	eP	09	32.82	0.0
NCG	1.23	244	eP	09	32.56	-0.4
CRP	1.30	239	ePn	09	33.42	-0.6
			S	09	52.02	
SPU	1.31	235	eP	09	33.91	-0.1
			eS	09	51.75	
CKN	1.34	238	eP	09	35.09	0.7
CPKM	1.34	240	eP	09	34.88	0.3
			eS	09	52.68	
BGL	1.40	241	eP	09	35.70	0.4
CKL	1.42	239	eP	09	35.51	0.0
BKG	1.46	234	eP	09	36.06	-0.1
SLKM	1.46	187	eP	09	35.75	-0.4
TRF	1.52	352	eP	09	36.36	-0.7
RND	1.53	17	eP	09	36.33	-0.8
KTH	1.68	343	eP	09	38.77	-0.5
TOA	1.74	83	P	09	40.20	0.1
MCK	1.83	13	eP	09	40.71	-0.7
SEW	1.87	174	eP	09	40.86	-0.9
VLZ	1.87	115	eP	09	40.70	-1.2
KLU	1.92	102	eP	09	41.66	-1.1
DFR	1.94	226	eP	09	42.58	-0.3
REF	2.02	224	eP	09	43.96	-0.2
RSO	2.06	225	eP	09	44.60	-0.1
RS2	2.06	225	eP	09	44.60	-0.1
RS1	2.06	225	eP	09	44.57	-0.2
TZL	2.09	86	eP	09	45.45	0.5
SDG	2.09	72	eP	09	45.06	0.0
RED	2.09	224	eP	09	44.38	-0.8
HIN	2.25	133	eP	09	46.10	-1.2
PAX	2.27	61	eP	09	47.73	0.1
CVA	2.43	124	eP	09	48.88	-0.9
CNPM	2.53	196	eP	09	51.18	-0.2
WRH	2.65	17	P	09	54.20	1.2
HDA	2.79	27	eP	09	54.10	-0.9
CCB	2.85	18	eP	09	54.55	-1.4
SVW	2.90	255	P	09	55.70	-0.9
GLB	2.92	97	eP	09	55.22	-1.7
TTA	3.03	292	eP	09	56.26	-2.2
FBA	3.10	16	(Pn)	09	54.31	-5.0
MLY	3.11	353	eP	09	57.96	-1.7
TGL	3.59	107	eP	10	03.89	-2.4
BALM	3.71	101	eP	10	06.02	-2.1
IMA	4.46	339	(P)	10	16.60	-2.1
			S	11	04.01	

54 obs. associated

JUN 07, 1992 01h 30m 25.19± 0.47s
52.347 N ± 9.2km 168.886 W ± 5.2km
DEPTH = 33.0km (normal)
4.8mb (41 obs.) 4.7Msz (4 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS (9)

ADK	4.83	268	iPc	31	37.39	0.0	
			eS	32	32.50		
SDN	5.80	56	eP	31	50.63	-0.5	
MCNL	10.67	44	eP	32	56.71	-1.9X	
CDD	10.83	47	eP	32	57.94	-3.0X	
KDC	10.84	54	eP	32	58.68	-2.3X	
SVW	11.39	34	eP	33	06.79	-1.7X	
INE	11.69	42	eP	33	10.74	-2.0X	
RED	12.02	41	eP	33	15.34	-1.7X	
RS2	12.05	41	eP	33	16.80	-0.8	
REF	12.09	41	eP	33	17.11	-0.9	
CNPM	12.20	47	eP	33	15.85	-3.6X	
BKG	12.60	40	eP	33	23.20	-1.6X	
TTA	12.62	28	eP	33	26.39	1.3	
CKL	12.65	39	eP	33	24.80	-0.7	
SPU	12.75	39	eP	33	26.14	-0.6	
SLKM	13.13	44	eP	33	28.79	-3.0X	
SUA	13.43	40	eP	33	33.22	-2.6X	
SKT	13.44	37	eP	33	35.36	-0.4	
PMS	13.79	42	P	33	37.20	-3.2X	
PLRM	14.15	41	eP	33	44.50	-0.5	
KNK	14.33	43	eP	33	43.82	-3.7X	
SML	14.58	41	eP	33	46.80	-4.0X	
KTH	14.66	33	eP	33	51.53	-0.3	
HIN	14.73	48	eP	33	48.78	-3.9X	
SCM	15.01	42	eP	33	53.30	-3.1X	
VLZ	15.11	46	eP	33	54.11	-3.4X	
CVA	15.13	48	eP	33	54.45	-3.4X	
KLU	15.44	45	eP	33	57.82	-4.2X	
TOA	15.62	42	eP	34	02.30	-2.0X	
IMA	15.74	23	eP	34	05.88	0.0	
	0.8s		3.47nm				3.6mb X
MLY	15.74	29	eP	34	08.03	2.2	
SDG	16.08	42	eP	34	07.10	-3.0X	
PAX	16.33	40	eP	34	11.00	-2.3X	
GLB	16.35	46	eP	34	10.18	-3.4X	
TGL	16.55	49	eP	34	13.06	-3.1X	
HDA	16.56	35	eP	34	15.19	-1.0	
FBA	16.58	33	eP	34	14.21	-2.2X	
	0.9s		27.87nm				4.4mb X
GLM	16.77	33	eP	34	17.07	-1.8X	
BALM	16.87	49	eP	34	18.82	-1.3	
YAH	16.94	51	eP	34	20.18	-1.0	
PET	19.61	285	iP	34	52.00	-1.3	
YKA	30.03	49	eP	36	31.80	-1.0	
	0.5s		2.70nm				4.3mb
MBC	30.45	21	eP	36	36.00	-0.3	
	0.5s		3.00nm				4.3mb
PNT	30.78	76	eP	36	50.00	10.4X	
NEW	32.73	76	eP	36	55.79	-0.9	
	1.0s		11.00nm				4.7mb
HPI	37.45	80	(P)	37	38.14	0.9	
DUG	39.65	85	(P)	38	02.79	7.3X	
	1.0s		5.88nm				4.3mb
MDJ	40.39	284	eP	37	53.80	-7.5X	
	1.0s		49.00nm				5.2mb
	Z 16s		5.90um				5.5MszX
	N 14s		8.24um				
	E 12s		4.20um				
DAU	40.47	84	(P)	38	09.02	6.5X	
FCC	40.73	50	eP	38	06.50	2.6X	
EMUT	41.10	84	(P)	38	19.52	12.0X	
SRU	41.71	85	(P)	38	10.36	-2.1X	
BOD	42.14	309	eP	38	15.50	0.0	
	0.7s		13.00nm				4.8mb
RSSD	42.64	74	(P)	38	21.00	0.9	
	0.7s		2.94nm				4.1mb
CN2	43.30	286	Pc	38	12.00	-13.2X	
	1.2s		68.00nm				
	Z 15s		6.14um				5.6MszX
	N 12s		4.97um				
	E 12s		3.40um				
ZAK	51.57	305	eP	39	29.90	0.1	
	1.2s		8.00nm				4.6mb
BTO	54.25	292	P	39	47.50	-2.5	
	1.0s		52.00nm				5.5mb
	N 12s		1.48um				
	E 15s		6.64um				
			pP	39	55.50	26kmX	
GTA	60.75	297	eP	40	55.00	19.1X	
	1.0s		20.00nm				
	Z 16s		5.72um				5.8MszX
	E 14s		3.94um				
			PP	42	16.00		
			sS	46	40.00		
LZH	60.87	292	eP	40	27.50	-9.3X	
	1.5s		48.00nm				5.4mb
	Z 14s		2.97um				5.6MszX
	N 12s		2.42um				
	E 13s		2.32um				
			pP	40	37.50	33kmX	
CVL	61.29	64	eP	40	38.08	-1.3	
ARU	64.79	333	eP	41	01.00	-1.2	
HFS	67.85	359	eP	41	20.20	-1.4	
	0.8s		17.80nm				5.2mb
UPP	68.03	356	iP	41	21.60	-1.1	
OBN	70.85	345	iPd	41	40.00	-0.1	
	0.6s		32.00nm				5.6mb
EKA	72.04	9	Pd	41	47.40	0.2	
	0.8s		4.70nm				4.5mb
LSA	72.73	296	eP	42	07.00	14.7X	

07d 01h

```
     N  14s     1.47um
     E  13s     0.62um
GAR    75.51 316 iP     42 07.60  -0.2
CLL    76.71 359 iP     42 14.20   0.1
GUN    76.99 299 P      42 15.60  -1.0
KSP    77.09 357 eP     42 16.30   0.0
BRG    77.13 358 eP     42 16.60   0.1
       1.0s    10.00nm          4.8mb
MOX    77.38 360 eP     42 18.70   0.8
KKN    77.41 299 P      42 17.80  -0.9
PKI    77.52 299 P      42 18.60  -0.9
GKN    77.59 300 P      42 19.10  -0.5
DMN    77.65 299 P      42 19.50  -0.6
PRU    78.00 358 P      42 27.00   5.7X
       1.1s     8.00nm          4.7mb
                 e      44 11.00
PRU    78.00 358 eP     42 21.80   0.5
GRF    78.34 360 iPc    42 24.30   1.1
       1.1s    14.00nm          4.9mb
    Z  18s      0.30um          4.7Msz
FLN    78.79   8 iPc    42 25.70   0.1
       1.2s    17.25nm          4.9mb
    Z  19s      0.32um          4.7Msz
KHC    78.88 358 P      42 27.00   0.8
       1.1s     8.00nm          4.6mb
                 e      44 11.00
LDF    78.98   8 iPc    42 26.70   0.0
       0.7s     4.95nm          4.6mb
GRR    79.13   8 iPc    42 27.60   0.1
       0.9s    11.30nm          4.9mb
GEC2   79.16 358 PKP    42 27.70  -0.1
       1.0s     3.57nm          4.3mb
LPF    79.46   8 iPc    42 29.80   0.5
       1.0s    10.60nm          4.8mb
CDF    79.57   3 iPc    42 30.50   0.5
       1.0s     6.60nm          4.6mb
HAU    79.94   3 iPc    42 32.40   0.4
       1.0s     9.00nm          4.7mb
    Z  20s      0.30um          4.6Msz
LOR    80.57   5 iPc    42 35.80   0.5
       1.0s     9.00nm          4.7mb
    Z  19s      0.40um          4.8Msz
SSF    80.76   5 iPc    42 36.90   0.6
       1.1s    13.45nm          4.9mb
LBF    80.86   5 iPc    42 37.20   0.3
       0.9s     5.90nm          4.6mb
KBA    80.94 358 iPc    42 38.70   1.3
       1.0s    28.80nm          5.2mb
MFF    80.96   8 iPc    42 38.00   0.7
       0.7s     6.70nm          4.7mb
AVF    81.02   5 iPc    42 38.00   0.4
       1.0s     8.20nm          4.7mb
SMF    81.19   5 iPc    42 39.10   0.5
       1.0s    14.00nm          4.9mb
BGF    81.22   6 iPc    42 39.20   0.5
       1.2s    16.35nm          4.9mb
LSF    81.44   7 iPc    42 40.40   0.5
       1.0s    11.20nm          4.8mb
TCF    81.45   6 iPc    42 40.30   0.4
       0.9s     4.40nm          4.5mb
LPL    82.44   3 iPc    42 47.00   1.6
       1.0s     6.00nm          4.6mb
LFF    82.68   7 iPc    42 47.10   0.8
       0.8s    11.80nm          5.0mb
CAF    82.79   6 iPc    42 47.80   0.8
       1.1s    11.00nm          4.9mb
LPO    82.97   7 iPc    42 48.40   0.6
       0.6s     3.45nm          4.6mb
FIR    84.26 360 eP     42 56.00   1.7
FRF    84.39   3 iPc    42 56.20   1.1
       0.7s     5.85nm          4.9mb
EPF    84.55   8 iPc    42 56.30   0.4
       0.7s     3.10nm          4.6mb
OIS    85.29 227 iPc    43 11.20  11.5X
SKO    85.63 352 eP     43 02.00   0.7
WRA    87.22 232 P      43 09.60   0.4
       0.8s    13.20nm          5.2mb
BUL   145.09 330 iPKPc  50 00.40  -0.4
                 iPKP   50 13.00
MAW   151.04 218 ePKP   50 29.00  20.4X
       1.0s     8.00nm
    S.D. = 0.9  on  70 of 109 obs.
-----------------------------------
  JUN 07, 1992 01h 34m 07.72± 0.21s
  31.278 N ± 4.2km  141.686 E ± 5.3km
  DEPTH =  51.5km (  3 depth phases)
  5.1mb ( 30 obs.)
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```
 SOUTH OF HONSHU, JAPAN            (211)
        CENTROID, MOMENT TENSOR    (HRV)
        Data Used: GDSN
        L.P.B.: 21S, 36C
        Centroid Location:
        Origin Time       01:34: 8.1 0.9
        Lat 31.35N 0.09 Lon 141.90E 0.08
        Dep  15.0 FIX Half-duration  1.8
        Moment Tensor;   Scale 10**16 Nm
          Mrr= 5.32 0.37  Mtt= 0.67 0.46
          Mff=-5.99 0.39  Mrt= 0.23 1.23
          Mrf= 3.60 1.42  Mtf=-0.81 0.44
         Principal Axes:
          T  Val=  6.37  Plg=74  Azm=270
          N         0.76      2        6
          P        -7.13     16       96
        Best Double Couple:Mo=6.8*10**16
         NP1:Strike=189 Dip=29 Slip=  94
         NP2:         5     61        88
MAT      5.99 332 iPd+  35 34.60  -1.5
         0.6s    73.33nm      5.3mb X
                  eS    36 44.00
SSE     17.54 275 P+    38 10.00  -0.1
         1.0s     9.00nm      3.9mb X
      Z  18s     5.40um
      N  13s     4.70um
      E  15s     3.70um
                  S     41 34.00
GUMO    17.85 170 Pn    38 12.10  -1.9
         1.0s   334.20nm      5.4mb
PJG     17.85 170 eP    38 14.70   0.7
GUA     17.90 170 eP    38 14.60  -0.1
         0.8s   191.04nm      5.3mb
BJI     22.44 300 eP    39 02.50  -0.8
         1.2s    82.00nm      5.0mb
      Z  16s     3.50um       4.9MszX
      N  13s     2.84um
                  ePP   39 30.00
                  eS    43 06.00
                  eSS   43 48.00
PLP     25.29 221 ePd   39 30.00  -1.0
CGP     27.69 218 eP    39 50.50  -2.5
SMY     31.82  38 (P)   40 27.36  -2.1
KMI     34.74 270 eP    41 03.50   8.2X
         1.5s    40.00nm      5.1mb
      Z  15s     3.10um       5.2MszX
      N  14s     2.30um
      E  14s     2.00um
                  eS    46 28.00
PCI     38.14 217 ePc   41 24.00   0.2
                  e     42 44.40 424kmX
CHG     40.43 262 eP    41 42.00  -0.8
CHTO    40.43 262 eP    41 42.20  -0.6
         1.0s    12.50nm      4.7mb
                  pP    41 54.10  43km
BDT     41.09 260 eP    41 48.50   0.3
MTN     45.03 195 eP    42 21.00   0.9
KLI     50.25 231 eP    43 02.00   1.0
                  e     43 45.00 193kmX
WB2     51.41 189 iPc   43 08.50  -1.2
         0.4s    23.50nm      5.6mb
IMA     51.59  28 eP    43 09.29  -1.4
         1.3s     8.47nm      4.6mb
CRP     51.72  34 eP    43 10.25  -1.5
PMS     52.97  34 eP    43 19.70  -1.3
FBA     53.91  30 eP    43 27.46  -0.3
         0.7s    11.43nm      5.0mb
                  e     43 41.13  50km
TOA     54.59  33 eP    43 33.20   0.3
ASPA    55.14 189 eP    43 36.70  -0.5
         0.6s    29.60nm      5.5mb
      Z  22s     1.10um       4.9Msz
                  eS    51 15.80
NDI     55.19 285 iPd   43 37.50  -0.1
                  eS    51 21.00
RMQ     57.84 173 eP    43 56.00  -0.3
DZM     58.12 153 iPc   43 59.90   1.4
MBC     61.98  16 eP    44 24.00  -0.3
         1.5s    13.00nm      4.8mb
POO     61.99 276 eP    44 32.60   7.5X
BWA     65.66 174 eP    44 50.70   2.0
CAN     66.60 173 eP    44 59.70   5.0X
YKA     68.69  29 eP    45 05.90  -1.6
         1.4s     3.40nm      4.1mb
GMW     71.09  45 eP    45 23.98   1.5
PNT     72.19  43 eP    45 29.00   0.0
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        0.8s     6.00nm            4.6mb
DPW    73.69  44 (P)    45 36.98  -0.9
SES    76.45  39 eP     45 54.00   0.4
LRM    78.13  43 eP     46 03.10  -0.1
UPP    78.23 335 iP     46 04.00   1.0
BONR   78.54  53 eP     46 05.83   0.2
HFS    79.43 336 eP     46 08.90  -0.7
        1.0s    17.60nm          4.9mb
     Z  17s      0.57um          5.0MszX
                  LR    18 12.00
DUG    80.98  48 eP     46 18.66   0.2
        0.8s     5.23nm          4.5mb
PEC    81.43  56 eP     46 20.56  -0.3
        0.7s     3.19nm          4.4mb
OAU    81.85  48 eP     46 23.54   0.3
ARUT   81.89  51 eP     46 23.94   0.6
                  e     46 41.08  61km
MSU    82.32  49 eP     46 26.26   0.6
EMUT   82.46  48 eP     46 26.67   0.3
SRU    83.05  48 eP     46 29.26  -0.1
VRI    83.27 320 ePd    46 33.00   2.9X
GLA    83.53  55 eP     46 31.92   0.2
MLR    83.94 320 eP     46 35.00   1.4
OJC    83.95 327 eP     46 35.00   1.6
                  e     46 39.00  13kmX
CMP    84.57 321 ePc    46 41.00   4.3X
KSP    85.12 329 eP     46 40.40   1.2
CSS    85.80 309 eP     46 49.00   6.0X
BRG    86.12 330 eP     46 45.60   1.4
     Z  18s      1.50um          5.4Msz
                  eS    57 20.00
CLL    86.20 331 iP     46 45.50   0.9
        1.4s    29.00nm          5.3mb
                  eS    57 20.00
SRO    86.32 326 eP     47 02.00  16.7X
                  e     47 40.20 151kmX
PRU    86.51 329 eP     46 51.20   5.0X
     Z  15s      0.90um          5.3MszX
     N  14s      0.70um
     E  16s      0.60um
                  eS    57 22.00
MOX    87.28 331 eP     46 55.10   5.2X
                  eS    57 36.00
KHC    87.57 329 eP     46 52.00   0.6
     Z  16s      1.00um          5.3MszX
     N  16s      0.70um
     E  16s      1.00um
                  e     57 34.00
GEC2   87.72 329 PKP    46 52.40   0.2
        1.0s     1.23nm          4.1mb
CDF    90.80 332 eP     47 06.90   0.2
        1.3s    14.10nm          5.2mb
BSF    91.46 331 eP     47 09.60  -0.2
        1.0s     5.40nm          4.9mb
LOR    93.09 333 eP     47 17.20   0.0
        1.0s     6.20nm          5.0mb
LBF    93.27 333 eP     47 18.90   0.8
        0.9s     5.10nm          5.0mb
LPL    93.32 330 eP     47 18.70   0.2
        1.1s    11.70nm          5.2mb
LPG    93.33 330 eP     47 18.90   0.2
        1.0s     9.40nm          5.2mb
SSF    93.39 333 eP     47 18.70   0.1
        1.2s    17.25nm          5.4mb
SMF    93.60 332 eP     47 19.50   0.0
        1.1s    14.40nm          5.3mb
AVF    93.68 333 eP     47 20.10   0.3
        0.9s    11.80nm          5.3mb
GRR    93.90 336 eP     47 21.00   0.2
        0.8s     8.60nm          5.2mb
LPF    94.26 336 eP     47 23.00   0.5
        1.0s    11.20nm          5.2mb
TCF    94.54 333 eP     47 23.50  -0.4
        0.8s     3.35nm          4.8mb
CCM    95.18  39 eP     47 27.33   0.4
        0.8s     3.23nm          4.8mb
ARE   146.42  72 ePKP   53 47.00   2.8X
ZOBO  149.03  68 PKP    53 54.00   5.3X
LPB   149.19  68 PKP    53 55.00   6.3X
CNCB  149.44  69 PKP    53 52.00   2.7X
SIV   154.27  59 ePKP   54 07.00  11.4X
                  i     54 18.60
     S.D. = 0.9  on  64 of  78 obs.
-----------------------------------
&  JUN 07, 1992 01h 36m 41.93s
   63.211 N            150.567 W
   DEPTH = 136.7km
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CENTRAL ALASKA (1)
<AEIC>.

TRF	0.27	28	P	37 00.80	1.3
			S	37 15.00	
KTH	0.38	335	P	37 00.80	1.1
			S	37 14.70	
HUR	0.48	119	P	37 01.50	-0.4
			S	37 16.80	
RND	0.80	75	P	37 03.90	-0.2
			S	37 20.80	
CUT	0.82	170	P	37 04.00	-0.1
			S	37 21.20	
MCK	0.90	54	P	37 04.50	-0.4
			S	37 21.30	
BWN	1.08	26	P	37 06.50	0.0
SKT	1.31	200	P	37 08.30	-0.5
NEA	1.52	25	P	37 09.60	-1.5
GHO	1.63	151	P	37 12.30	-0.1
WRH	1.68	40	P	37 12.10	-0.7
SML	1.75	143	P	37 13.10	-0.6
SUA	1.76	183	P	37 14.00	0.1
PLRM	1.76	157	P	37 13.10	-0.6
PMR	1.76	157	iPd	37 13.08	-0.7
			(S)	37 36.47	
MLY	1.83	358	P	37 13.50	-1.2
CCB	1.89	39	P	37 14.60	-0.7
NCG	1.96	203	P	37 16.20	-0.1
PMS	2.03	166	P	37 16.70	-0.4
SCM	2.04	131	P	37 16.70	-0.6
KNK	2.06	150	P	37 17.00	-0.4
CRP	2.09	202	(P)	37 17.19	-0.7
BGL	2.13	204	P	37 19.70	1.3
CKN	2.13	201	P	37 20.20	1.8
SPU	2.15	200	P	37 18.30	-0.3
CKL	2.19	203	P	37 19.20	0.1
GLM	2.26	37	P	37 19.50	-0.5
BKG	2.29	201	P	37 20.20	-0.2
TOA	2.31	117	P	37 20.80	0.2
PAX	2.33	94	P	37 20.80	-0.1
SDG	2.40	104	P	37 21.50	-0.2
PTE	2.46	162	P	37 21.70	-0.7
TTA	2.49	266	P	37 22.00	-0.9
SLKM	2.72	176	P	37 25.30	-0.4
KLU	2.77	126	P	37 25.50	-0.9
DFR	2.81	202	P	37 27.50	0.5
VLZ	2.88	135	P	37 26.30	-1.5
RS2	2.95	202	P	37 30.30	1.4
SEW	3.16	170	P	37 30.80	-0.7
IMA	3.17	336	P	37 31.70	0.0
SVW	3.17	231	P	37 31.00	-0.7

41 obs. associated

& JUN 07, 1992 03h 36m 15.24s
60.949 N 151.560 W
DEPTH = 67.8km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.6 (AEIC).

SPU	0.34	314	P	36 26.20	-0.5
			S	36 35.50	
BKG	0.36	290	P	36 26.20	-0.7
			S	36 35.60	
CKN	0.41	313	P	36 26.80	-0.5
CRP	0.43	318	iPd	36 26.59	-1.0
			S	36 36.58	
NCG	0.54	328	P	36 28.00	-0.6
			S	36 38.50	
RDT	0.56	228	P	36 28.00	-0.7
			S	36 38.60	
SUA	0.65	37	P	36 29.50	-0.3
			S	36 40.50	
RS2	0.76	231	P	36 30.30	-0.9
SLKM	0.79	123	P	36 30.70	-0.6
			S	36 45.50	
NNL	0.92	172	P	36 33.00	0.1
PMS	1.02	72	P	36 34.00	-0.1
SKT	1.04	1	P	36 33.50	-0.9
			S	36 49.40	
BRLK	1.24	164	P	36 36.20	-0.8
			S	36 53.90	
PTE	1.24	93	P	36 36.20	-0.8
PMR	1.34	60	eP	36 34.89	-3.4
			S	36 57.36	
SEW	1.34	128	P	36 37.50	-0.9
CNPM	1.44	173	P	36 38.70	-1.0
KNK	1.57	71	P	36 40.40	-1.2
			S	37 00.90	
CUT	1.59	22	P	36 41.50	-0.2
AUL	1.83	212	P	36 44.20	-0.9
SVW	1.98	276	eP	36 44.21	-3.0
			S	37 05.74	
SYI	2.38	191	P	36 51.20	-1.5
VLZ	2.55	84	P	36 52.70	-2.3
KLU	2.78	76	eP	36 54.95	-3.5
TTA	2.89	315	eP	36 57.74	-2.2

25 obs. associated

% JUN 07, 1992 03h 37m 53.96± 1.26s
43.145 N ± 9.8km 18.888 E ± 8.1km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.2 (TTG).

NKY	0.34	166	iPgc	38 01.03	0.0
			iSg	38 06.72	
BRY	0.35	226	iPgd	38 01.28	0.0
			iSg	38 06.52	
PLE	0.41	63	iPgd	38 02.40	0.0
			iSg	38 08.65	
HCY	0.75	202	ePg	38 08.69	0.0
			iSg	38 19.67	
TTG	0.77	159	iPgc	38 08.84	0.0
			iSg	38 20.53	
IVA	0.79	110	ePg	38 09.47	0.1
			iSg	38 21.34	

S.D. = 0.1 on 6 of 6 obs.

JUN 07, 1992 04h 40m 10.87± 1.61s
43.272 N ± 8.1km 127.002 W ±10.8km
DEPTH = 10.0km (geophysicist)
3.2mb (1 obs.)
OFF COAST OF OREGON (30)

RNO	2.45	74	P	40 51.00	-0.6
DBO	2.75	92	P	40 55.40	-0.6
HSO	2.86	84	P	40 56.98	-0.5
WMOR	3.25	95	Pc	41 03.20	0.1
TKO	3.30	49	P	41 02.95	-0.7
FBO	3.37	71	P	41 05.12	0.5
HBO	3.45	79	Pc	41 06.21	0.3
KMOR	3.45	46	P	41 05.00	-0.8
SSOR	3.64	63	Pc	41 08.78	0.3
NLO	3.79	41	P	41 10.44	-0.2
GT2	3.89	59	Pc	41 12.59	0.6
PGO	3.93	55	P	41 13.24	0.7
TCO	4.01	76	P	41 14.01	0.2
BPO	4.08	68	Pc	41 15.16	0.4
BMW	4.18	39	P	41 15.48	-0.6
RVW	4.18	45	P	41 16.28	0.2
VLMM	4.22	56	Pc	41 17.13	0.4
TDH	4.25	60	Pc	41 17.76	0.5
VBEM	4.29	63	P	41 17.86	0.1
LVP	4.31	48	P	41 18.27	0.3
MTMW	4.39	49	P	41 19.17	0.0
VLL	4.40	58	Pc	41 19.99	0.7
VFP	4.47	61	P	41 20.47	0.1
SHW	4.48	48	P	41 21.01	0.6
ERK	4.50	46	P	41 20.66	0.0
HSR	4.49	48	P	41 21.14	0.4
JLK	4.50	49	P	41 20.93	0.3
CZM	4.50	44	P	41 20.70	0.1
REMW	4.51	48	P	41 21.67	0.7
STD	4.51	47	P	41 21.16	0.2
YEL	4.52	48	P	41 21.66	0.7
ESD	4.53	48	P	41 21.71	0.5
APM	4.53	55	P	41 21.71	0.5
CDFW	4.53	49	P	41 21.34	0.2
SOSW	4.56	48	P	41 22.12	0.5
TDL	4.59	46	Pc	41 22.22	0.2
CPW	4.60	35	P	41 21.44	-0.7
CROR	4.65	66	P	41 22.35	-0.6
KOSW	4.68	45	Pc	41 23.59	0.4
GULW	4.68	54	P	41 23.78	0.4
OSR	4.74	26	P	41 23.78	-0.4
LMW	4.76	43	Pd	41 24.61	0.1
VIPM	4.78	73	P	41 24.07	-0.7
SMW	4.80	31	P	41 24.11	-0.9
ASR	4.81	51	P	41 25.38	0.2
VGB	4.99	61	P	41 27.74	0.1
VTHM	5.01	65	P	41 27.66	-0.2
GLK	5.05	47	P	41 28.85	0.3
LON	5.06	45	P	41 29.07	0.4
REMR	5.09	44	P	41 29.55	0.3
OSD	5.11	26	P	41 29.03	-0.4
RVC	5.11	42	Pd	41 29.79	0.4
GL2	5.16	57	Pc	41 30.12	0.0
WPW	5.17	47	Pc	41 30.38	0.2
HDW	5.18	31	P	41 29.85	-0.5
GMW	5.20	33	P	41 29.89	-0.7
FMW	5.26	44	Pc	41 31.70	0.2
GSM	5.38	41	P	41 33.18	-0.1
BLN	5.51	29	P	41 34.93	-0.1
JBO	5.58	64	P	41 35.59	-0.4
MXC	5.80	53	P	41 38.92	-0.1
EBG	5.83	49	P	41 39.72	0.3
HTW	5.83	37	Pd	41 39.06	-0.4
TBM	5.97	47	P	41 41.70	0.2
JCW	6.07	34	P	41 42.51	-0.3
RSW	6.12	57	P	41 43.36	-0.3
MDW	6.13	54	P	41 43.46	-0.2
CMW	6.18	32	P	41 44.13	-0.3
GBL	6.30	56	P	41 45.93	-0.2
WAH2	6.32	54	P	41 45.96	-0.4
WIW	6.33	57	P	41 46.21	-0.2
ETW	6.39	45	P	41 47.45	0.0
RPW	6.44	35	Pd	41 47.63	-0.5
CRF	6.46	54	P	41 47.60	-0.7
RC1	6.49	53	P	41 49.18	0.4
ET3	6.61	57	P	41 50.11	-0.3
EPH	6.63	49	P	41 50.63	-0.1
WTV	6.64	46	P	41 50.77	-0.2
LNOR	6.75	64	P	41 51.06	-1.4
PNT	7.92	38	eP	42 08.00	-0.7
	0.5s		6.00nm		5.1mb X
YKA	20.59	16	eP	44 53.70	1.5
	0.8s		0.90nm		3.2mb

S.D. = 0.5 on 81 of 81 obs.

JUN 07, 1992 06h 50m 55.87± 0.35s
45.216 N ± 2.8km 6.991 E ± 3.6km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.6 (LDG), 2.3 (GEN).

RSP	0.20	109	P	51 00.28	0.0
			S	51 03.36	
LSD	0.27	26	P	51 01.10	-0.5
			S	51 04.90	
BNI	0.28	234	P	51 01.50	-0.2
			eSg	51 05.00	
LPG	0.33	329	Pg	51 02.40	-0.4
			Sg	51 06.90	
RRL	0.33	206	P	51 02.64	-0.2
			S	51 08.28	
LPL	0.35	329	Pg	51 03.00	-0.2
			Sg	51 07.50	
BHB	0.42	153	P	51 04.49	0.0
			S	51 10.84	
PZZ	0.71	174	P	51 09.72	-0.3
			S	51 19.61	
DOI	0.73	166	P	51 10.20	-0.2
			eSg	51 19.60	
ORO	0.81	59	P	51 11.60	0.0
			eSg	51 22.60	
STV	1.00	166	P	51 14.64	-0.2
			S	51 28.27	
ENR	1.04	163	P	51 15.20	-0.3
			S	51 28.38	
ROB	1.11	145	P	51 17.71	0.9
			S	51 31.86	
PCP	1.29	121	P	51 20.69	0.8
			S	51 36.81	
FIN	1.33	139	P	51 20.38	0.0
			S	51 36.09	
SBF	1.39	167	Pg	51 26.10	4.8X
			Sg	51 43.80	
IMI	1.45	153	P	51 21.74	-0.5
FRF	1.67	189	Pg	51 28.60	3.3X
			Sg	51 51.90	
LRG	1.82	195	Pg	51 31.10	3.7X
LMR	1.91	191	Pg	51 32.50	3.7X
			Sg	51 58.60	
SMF	2.62	304	Pg	51 45.70	6.7X
			Sg	52 20.60	
BGF	3.19	296	Pn	51 48.50	1.5
			Pg	51 57.30	
			Sg	52 38.40	

S.D. = 0.6 on 17 of 22 obs.

JUN 07, 1992 08h 05m 25.19± 1.31s

07d 08h

6.282 S ± 8.2km 104.036 E ± 9.1km
DEPTH = 67.9 ± 10 4 km
4.8mb (14 obs.)
SUNDA STRAIT (276)
FLI 1 63 30 ePd 05 53.80 1.6
eS 06 09.00
e 06 12.00
KSI 3.00 331 iPd 06 10.80 -0.5
iS 06 55.70
e 10 00.00
KGM 8.27 355 ePd 07 25.10 0.2
IPM 11.20 344 ePd 08 06.20 1.4
SNG 13.80 346 eP 08 32.20 -6.9X
PCI 16.64 72 ePc 09 19.00 3.4X
0.8s 5.00nm 3.7mb X
e 10 36.00
NANU 19.62 147 eP 09 49.00 -2.0
KHT 21.61 346 eP 10 09.80 -1.6
BDT 23.90 348 eP 10 33.50 -0.2
CGP 25.27 55 eP 10 49.00 2.1
CHG 25.44 349 eP 10 47.50 -0.9
0.8s 16.23nm 4.6mb
eSg 38 11.00
eSg 42 01.30
CHTO 25.44 349 eP 10 47.30 -1.1
0.7s 14.45nm 4.6mb
eS 14 45.00
WB2 32.42 118 iPd 11 50.00 -1.0
0.7s 20.60nm 5.1mb
ipP 12 08.70 80kmX
iPcP 14 37.90
ASPA 33.51 124 iPc 11 59.50 -1.0
0.9s 14.90nm 4.9mb
Z 21s 0.30um 4.0Msz
OIS 37.28 116 iPd 12 32.40 -0.1
PKI 38.17 333 P 12 39.40 -0.9
GUN 38.25 334 P 12 40.70 -0.3
DMN 38.34 332 P 12 41.00 -0.6
KKN 38.42 333 P 12 41.80 -0.4
POO 38.66 310 iPd 12 52.80 8.7X
GKN 38.89 332 P 12 45.80 -0.3
SSE 40.63 23 Pc 13 02.00 1.9
0.7s 7.00nm 4.6mb
LZH 42.14 360 eP 13 13.00 0.3
1.2s 29.00nm 5.0mb
PMG 42.81 97 eP 13 18.00 -0.3
1.0s 76.00nm 5.5mb
NDI 43.32 325 iPc 13 22.00 -0.2
0.6s 53.33nm 5.5mb
STK 43.32 131 iPd 13 22.50 0.3
0.8s 6.80nm 4.5mb
CMS 46.40 128 eP 13 47.00 0.2
BJI 47.43 13 eP 13 55.00 0.2
1.0s 66.00nm 5.5mb
Z 16s 0.47um 4.6MszX
IIDJ 52.35 35 P 14 31.70 -0.9
MTMJ 53.08 34 P 14 37.30 -0.7
MAT 53.28 34 eP 14 38.00 -1.4
0.6s 7.33nm 4.9mb
CHJJ 53.38 35 P 14 39.10 -0.9
KAKJ 54.17 36 eP 14 43.40 -2.4
MAIO 59.45 319 eP 15 23.00 -0.5
MAW 67.22 196 e(P) 16 15.00 1.0
1.0s 8.00nm 4.6mb
MLR 86.16 316 eP 18 02.00 1.6
VAY 87.73 312 eP 18 09.00 1.1
SKO 88.68 312 eP 18 25.00 12.5X
OHR 89.01 311 eP 18 14.70 0.6
GEC2 94.90 318 PKP 18 38.30 -2.9
0.9s 1.18nm 4.3mb
HFS 95 57 330 eP 18 44.70 0.8
0.7s 3.70nm 5.0mb
YKA 117.18 19 ePKP 24 03.50 -0.4
0.7s 0.50nm
PNT 123.56 33 ePKP 24 18.00 1.5
0.6s 3.00nm
MEO 144.79 33 iPKPd 24 56.10 -0.4
OCO 144.81 31 iPKPc 24 58.10 1.6
FNO 145.06 31 iPKPd 24 57.10 0.2
FKO 145.06 31 iPKPc 24 57.50 0.6
SIO 145.23 30 ePKP 24 57.90 0.7
e 25 12.30
LNO 145.35 29 ePKP 24 58.00 0.8
e 25 12.60
TUL 145.35 29 ePKPd 24 58.10 0.7
0.8s 19.60nm
e 25 12.90
CCM 145.46 22 iPKP 24 58.11 0.6
RLO 145.51 28 ePKP 24 58.40 0.8
e 25 12.20
FVM 145.82 21 (PKP) 24 58.60 0.5
VVO 145.83 30 ePKP 24 59.60 1.4
e 25 13.90
JSC 151.71 9 ePKP 25 06.88 -0.5
S.D. = 1.1 on 51 of 55 obs.

& JUN 07, 1992 08h 12m 29.94s
60.110 N 153.074 W
DEPTH = 119.6km
SOUTHERN ALASKA (2)
<AEIC>.

INE 0.05 173 P 12 45.70 0.6
S 12 59.50
RED 0.34 26 P 12 46.50 -0.9
RS1 0.39 24 P 12 46.90 -0.8
RSO 0.39 24 P 12 46.90 -0.8
AUL 0.75 194 P 12 49.20 -0.7
HOM 0.85 122 P 12 49.90 -0.9
NNL 0.89 94 P 12 51.00 -0.2
CNPM 1.10 121 P 12 52.50 -0.8
S 13 09.60
MCNL 1.13 215 P 12 52.40 -1.2
BRLK 1.16 107 P 12 52.50 -1.4
CRP 1.25 21 iPc 12 53.72 -1.3
NCG 1.37 19 P 12 56.20 -0.2
SLKM 1.48 73 iPc 12 56.16 -1.3
SYI 1.54 167 P 12 56.90 -1.3
SVW 1.61 310 P 12 57.40 -1.6
SUA 1.78 39 P 13 00.50 -0.7
S 13 24.10
SKT 2.02 21 P 13 03.00 -1.1
PMS 2.07 55 P 13 04.10 -0.7
CUT 2.67 29 P 13 11.60 -0.9
19 obs. associated

JUN 07, 1992 09h 01m 45.08± 0.30s
16.505 N ± 4.7km 98.656 W ± 3.1km
DEPTH = 5.0km (geophysicist)
5.3mb (53 obs.) 5.0Msz (8 obs.)
NEAR COAST OF GUERRERO, MEXICO (58)
Felt in parts of Oaxaca and
Guerrero.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 42C.
Centroid Location:
Origin Time 09:01:50.8 0.9
Lat 16.40N 0.09 Lon 98.28W 0.10
Dep 15.4 5.0 Half-duration 1.8
Moment Tensor; Scale 10**17 Nm
Mrr= 0.42 0.08 Mtt=-0.60 0.07
Mff= 0.18 0.13 Mrt= 1.03 0.38
Mrf=-0.27 0.18 Mtf=-0.05 0.05
Principal Axes:
T Val= 1.13 Plg=56 Azm= 28
N 0.12 11 281
P -1.24 32 185
Best Double Couple:Mo=1.2*10**17
NP1:Strike=241 Dip=16 Slip= 48
NP2: 104 78 101

ACX 1.21 288 iP 02 05.36 -2.7
iS 02 23.00
OXX 1.94 73 iP 02 22.01 2.8X
iS 02 50.00
IIT 2.52 8 iP 02 30.10 2.4X
PPM 2.55 1 eP 02 31.04 2.8X
IIA 2.63 360 eP 02 31.51 2.6X
IISM 2.75 26 iP 02 33.61 2.9X
UNM 2.86 350 iP 02 34.60 2.2
(S) 03 20.00
LVVM 3.84 33 eP 02 46.72 0.6
iS 03 37.00
MRX 3.99 323 iP 02 49.04 0.8
iS 03 36.00
COLM 5.48 300 iP 03 08.00 -1.6
iS 04 09.00
CGX 5.57 306 iP 03 10.00 -0.8
iS 04 12.00
SCX 5.78 87 eP 03 15.00 1.4
iS 04 25.00
AGX 6.36 328 (P) 03 25.00 3.2X
TPX 6.36 104 (P) 03 28.00 6.1X
MZX 9.89 314 (P) 04 12.00 1.1
MEO 18.20 0 iPd 06 01.00 0.7
FNO 18.71 3 e(P) 06 06.30 -0.2
FKO 18.71 3 iPc 06 06.70 0.2
VVO 18.93 7 ePc 06 08.80 -0.4
OCO 18.97 3 iPc 06 11.10 1.4
SIO 19.28 6 ePc 06 12.60 -0.9
TUL 19.49 7 ePc+ 06 14.60 -1.4
1.0s 162.70nm 5.3mb
Z 18s 2.72um 4.8MszX
e 06 18.40
e 06 23.20
e 06 28.30
e 06 35.10
e 06 41.00
e 06 52.80
S 09 59.00
LR 14 03.00
LNO 19.50 7 ePc 06 14.30 -1.7
ALO 19.64 341 ePc 06 17.95 0.0
1.0s 62.16nm 4.9mb
RLO 19.85 9 ePc 06 17.80 -2.1
OLY 19.98 17 ePc 06 19.68 -1.6
PCO 20.16 4 e(P) 06 22.00 -1.2
PWLA 20.70 25 eP 06 27.02 -1.7
GRT 21.32 21 (P) 06 34.56 -0.6
LST 21.46 20 eP 06 35.34 -1.1
GLA 22.02 321 eP 06 42.96 0.7
FVM 22.59 17 eP 06 46.82 -1.0
1.0s 132.88nm 5.4mb
PRM 22.82 37 eP 06 50.02 -0.1
TKL 23.24 32 ePc 06 54.06 -0.1
HBF 23.25 42 eP 06 54.54 0.3
SGS 23.33 41 eP 06 55.56 0.5
PLM 23.47 319 eP 06 57.66 0.9
JSC 23.61 38 ePc 06 57.94 0.2
LHS 24.01 38 ePc 07 02.49 0.8
PEC 24.02 320 ePc 07 02.99 1.2
2.0s 169.49nm 5.3mb
SSK 24.56 319 eP 07 08.60 1.4
SRU 24.80 338 eP 07 10.12 0.6
ARUT 24.88 331 ePc 07 11.82 1.5
MSU 24.93 334 ePc 07 11.46 0.6
EMUT 25.53 338 ePc 07 17.14 0.6
ABL 25.93 319 eP 07 20.64 0.3
PSO 25.94 124 eP 07 25.50 4.7X
ISA 26.00 321 eP 07 21.31 0.5
1.1s 52.77nm 5.2mb
CEH 26.00 38 eP 07 20.94 0.3
0.9s 157.10nm 5.7mb
NAV 26.05 34 eP 07 20.91 -0.3
BLA 26.18 34 eP 07 22.48 0.1
0.7s 64.41nm 5.4mb
DAU 26.21 338 ePc 07 23.44 0.5
DUG 26.62 335 eP 07 27.02 0.5
1.2s 41.52nm 5.0mb
BCH 26.69 318 eP 07 28.05 0.8
FUO 26.77 111 eP 07 35.00 6.7X
BOG 26.86 113 eP 07 36.00 6.8X
eS 12 20.00
TNP 26.99 326 ePc 07 30.31 0.3
1.2s 26.04nm 4.8mb
PKEM 27.26 320 eP 07 34.10 1.8
PHAM 27.30 319 eP 07 33.34 0.7
BONR 27.49 325 eP 07 35.40 0.7
CVL 27.81 36 eP 07 36.93 -0.3
HVU 27.96 337 ePc 07 38.98 0.2
KVN 28.17 327 eP 07 41.79 1.1
NA2 28.32 36 eP 07 39.57 -2.2
SDV 28.34 102 iP 07 43.40 0.9
CBN 28.58 37 eP 07 44.00 -0.2
PTI 28.77 339 eP 07 46.64 0.6
TOV 28.87 100 eP 07 47.80 0.8
ARN 28.96 320 eP 07 47.86 0.2
HPI 29.76 339 (P) 07 58.67 3.5X
ORV 30.39 324 eP 08 00.79 0.4
TYNO 30.96 27 P 08 04.80 -0.6
ACTO 31.29 26 P 08 07.60 -0.7
LRM 31.42 341 eP 08 10.10 0.4
LVNJ 31.83 36 eP 08 12.81 -0.2
LBFM 31.84 326 ePc 08 12.89 -0.5
WLVO 32.28 28 P 08 16.70 -0.1
TBR 32.36 36 ePc 08 17.23 -0.4
ULM 33.73 3 eP 08 31.00 1.5
EEO 34.17 24 eP 08 35.50 2.2
DPW 35.17 337 ePc 08 41.54 -0.4

SES 35.25 346 ePc 08 42.00 -0.6
1.4s 85.00nm 5.4mb
SHW 35.53 331 ePc 08 46.35 1.2
LON 35.76 332 ePc 08 46.68 -0.3
BMW 36.19 331 eP 08 50.62 -0.1
RMW 36.30 333 ePc 08 51.21 -0.3
GMW 36.80 332 ePc 08 55.05 -0.6
PNT 36.90 337 ePc 08 57.00 0.5
1.1s 66.00nm 5.3mb
MCW 37.68 334 eP 09 02.96 -0.1
PGC 37.92 333 eP 09 05.00 0.0
LMN 40.64 37 eP 09 31.00 3.2X
FCC 42.33 4 ePc 09 43.80 2.5X
ZOBO 44.36 136 eP 09 58.00 -1.2
Z 24s 0.86um 4.6MszX
LR 25 32.00
LPB 44.56 136 P 10 04.00 3.5X
Z 20s 1.42um 4.9Msz
SS 20 08.00
LR 25 40.00
CNCB 44.84 136 P 10 06.00 3.1X
YKA 47.29 350 eP 10 20.50 -0.6
1.1s 25.80nm 5.3mb
BALM 54.25 336 eP 11 13.89 -0.2
KLU 55.94 335 ePc 11 25.92 -0.5
TOA 56.37 335 eP 11 30.80 1.3
SLKM 57.29 333 eP 11 34.19 -1.8
PMR 57.32 334 eP 11 36.30 0.2
1.2s 41.90nm 5.3mb
Z 18s 1.00um 5.0Msz
FBA 58.46 338 eP 11 44.00 -0.1
0.9s 32.60nm 5.4mb
CRP 58.47 333 ePc 11 42.78 -1.7
SVW 59.95 332 eP 11 53.90 -0.6
PPD 60.14 128 eP 11 52.80 -3.5X
MBC 60.73 354 eP 11 59.00 -0.6
1.0s 38.00nm 5.5mb
TTA 60.80 334 eP 11 59.60 -0.8
IMA 61.18 338 eP 12 02.20 -0.8
1.1s 7.30nm 4.7mb
BRW 64.48 342 eP 12 24.30 -0.3
ANM 65.26 334 eP 12 30.30 0.5
PDCR 65.54 112 eP 12 30.80 -1.4
AKU 71.20 26 iP 13 07.30 0.6
1.0s 28.00nm 5.3mb
SMY 75.39 321 eP 13 29.94 -1.5
0.8s 28.55nm 5.4mb
VAL 76.22 40 iP 13 36.50 0.3
DCN 77.75 38 iPd 13 44.80 0.1
1.0s 58.00nm 5.6mb
DMU 77.86 37 iPd 13 45.50 0.2
0.9s 77.00nm 5.8mb
DLF 78.20 38 iPd 13 47.00 -0.1
EKA 79.68 35 Pd 13 55.40 0.2
0.8s 16.30nm 5.1mb
EPLA 81.49 51 eP 14 05.00 -0.2
EHOR 82.69 53 eP 14 12.00 0.6
GUD 82.77 50 eP 14 12.50 0.6
LPF 82.88 42 iPc 14 12.10 0.0
0.9s 43.75nm 5.7mb
GRR 82.89 42 iPc 14 12.40 0.2
0.9s 36.05nm 5.6mb
FLN 83.02 41 iPc 14 13.10 0.2
0.8s 34.40nm 5.6mb
Z 18s 0.77um 5.1Msz
TOL 83.05 51 eP 14 14.00 0.8
eS 24 45.00
KDS 83.16 79 iP 14 15.50 1.4
LDF 83.30 41 iPc 14 14.50 0.2
0.9s 22.60nm 5.4mb
ECOG 84.12 53 eP 14 20.00 1.1
PET 84.40 324 eP 14 20.00 0.3
1.0s 14.00nm 5.1mb
EHUE 84.71 52 eP 14 23.50 1.7
KONO 84.80 29 eP 14 23.00 1.4
LFF 84.98 45 iPc 14 23.00 0.2
1.0s 39.60nm 5.6mb
LSF 85.09 43 iPc 14 23.20 -0.2
1.0s 21.60nm 5.3mb
EGRA 85.09 48 eP 14 27.00 3.6X
EPF 85.30 47 iPc 14 24.70 0.1
1.3s 59.95nm 5.6mb
LPO 85.36 45 iPc 14 24.90 0.1
1.0s 30.40nm 5.5mb
RJF 85.38 44 iPc 14 24.90 0.0
1.1s 58.85nm 5.7mb
Z 17s 0.30um 4.8MszX

TCF 85.53 43 iPc 14 25.50 -0.1
1.0s 43.20nm 5.6mb
MAF 85.78 43 iPc 14 26.70 -0.2
1.1s 66.65nm 5.7mb
BGF 85.85 43 iPc 14 27.00 -0.2
1.1s 42.25nm 5.5mb
CAF 85.87 44 iPc 14 27.30 -0.1
1.1s 18.80nm 5.2mb
LESF 85.95 46 P 14 28.48 0.7
SALF 85.98 47 P 14 27.59 -0.4
AVF 86.10 42 eP 14 27.90 -0.5
1.1s 21.75nm 5.2mb
SSF 86.11 42 iPc 14 28.20 -0.2
1.0s 33.20nm 5.4mb
LOR 86.26 42 iPc 14 29.10 -0.1
1.1s 52.75nm 5.6mb
Z 18s 0.40um 4.9Msz
ENN 86.29 38 eP 14 30.50 1.3
0.9s 42.00nm 5.6mb
WTS 86.35 37 eP 14 31.00 1.5
0.9s 24.00nm 5.4mb
LBF 86.44 42 iPc 14 29.70 -0.4
1.2s 29.75nm 5.3mb
HFS 86.45 28 eP 14 29.30 -0.6
0.9s 6.30nm 4.8mb
Z 17s 0.37um 4.9MszX
LR 48 04.00
SMF 86.47 42 eP 14 29.60 -0.6
1.3s 26.00nm 5.3mb
HAU 87.57 40 iPc 14 34.80 -0.8
0.9s 16.70nm 5.3mb
Z 18s 0.52um 5.0Msz
BSF 87.91 41 eP 14 36.30 -1.0
0.9s 7.20nm 5.0mb
CDF 87.99 40 eP 14 36.90 -0.8
1.0s 8.20nm 5.0mb
MOX 89.65 37 eP 14 45.70 0.3
1.6s 23.00nm 5.2mb
Z 18s 0.50um 5.0Msz
E 18s 0.30um
e 25 30.00
GRF 89.84 38 iPc 14 46.60 0.3
1.1s 11.00nm 5.0mb
Z 18s 0.50um 5.0Msz
CLL 90.14 36 eP 14 47.00 -0.7
1.3s 11.00nm 4.9mb
BRG 90.87 36 iPd 14 51.30 0.3
0.9s 18.00nm 5.4mb
i 14 57.20
e 18 25.00
KHC 91.46 37 P 14 53.50 -0.4
1.3s 6.60nm 4.8mb
Z 18s 0.50um 5.0Msz
N 18s 0.30um
E 18s 0.60um
e 18 29.00
eS 25 30.00
PRU 91.62 36 P 14 54.30 -0.2
Z 16s 0.40um 5.0MszX
GEC2 91.67 38 P 14 53.20 -1.7
0.9s 1.74nm 4.4mb
KSP 92.19 35 eP 14 56.80 -0.3
e 18 36.00
YAK 92.96 339 eP 15 00.00 -0.4
NRI 94.19 358 iPc 15 05.30 -0.7
1.3s 18.00nm 5.3mb
e 18 50.00
MNK 96.19 29 eP 15 06.50 -8.9X
WRA 129.71 258 PKP 20 58.00 0.1
0.7s 0.50nm
POO 144.41 12 iPKPd 21 29.80 4.8X
KHT 144.55 330 ePKP 21 23.50 -1.8X
HYB 146.18 5 ePKP 21 33.00 5.0X
1.0s 70.00nm
SNG 149.71 320 ePKP 21 38.40 4.7X
e 39 43.90
IPM 151.41 315 ePKPd 21 42.00 5.7X
S.D. = 0.9 on 148 of 171 obs.

JUN 07, 1992 10h 44m 48.67± 0.85s
40.138 N ± 6.5km 27.826 E ± 6.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EDC 0.21 8 iPg 44 53.10 -0.2
BNT 0.23 18 iPg 44 53.50 -0.1
KCT 0.42 75 iPg 44 56.50 -0.8
KGT 0.51 308 iPg 44 58.50 -0.5
DST 0.81 131 iPg 45 04.60 0.1
iSg 45 15.10
YLV 1.26 70 iPn 45 12.00 -0.1
IZI 1.28 81 iPn 45 12.20 -0.2
HRT 1.56 63 iPn 45 17.50 0.9
DMK 1.68 358 iPn 45 19.00 0.7
ALT 2.07 121 ePn 45 24.00 0.0
S.D. = 0.6 on 10 of 10 obs.

& JUN 07, 1992 11h 35m 07.09s
63.277 N 151.206 W
DEPTH = 11.5km
CENTRAL ALASKA (1)
<AEIC>. ML 3.7 (AEIC), 4.2 (PMR). Felt strongly at Camp Denali.

KTH 0.31 25 iPc 35 13.46 -0.1
TRF 0.45 67 iPc 35 15.90 -0.5
HUR 0.77 112 iPd 35 21.70 -0.4
eS 35 31.76
CUT 0.98 153 iPd 35 26.02 0.6
RND 1.07 82 iPd 35 26.68 -0.5
eS 35 40.50
MCK 1.12 65 ePc 35 27.57 -0.3
eS 35 41.90
BWN 1.19 40 ePd 35 29.66 0.6
eS 35 46.85
SKT 1.31 187 ePc 35 31.43 0.2
eS 35 49.63
NEA 1.61 35 ePd 35 34.27 -1.1
eS 35 56.33
PWA 1.75 159 P 35 37.90 0.5
MLY 1.77 6 ePd 35 37.43 -0.4
eS 36 01.78
WRH 1.83 48 ePd 35 37.44 -1.2
eS 36 02.95
SUA 1.83 173 ePc 35 39.35 0.6
GHO 1.84 144 ePd 35 38.88 0.0
NCG 1.93 194 iPc 35 40.90 0.7
PLRM 1.95 149 ePd 35 40.62 0.3
PMR 1.95 149 eP 35 41.10 0.8
SML 1.99 137 ePd 35 40.67 -0.3
eS 36 07.40
CGLM 2.01 191 ePc 35 42.03 0.7
CCB 2.04 46 ePd 35 40.21 -1.4
eS 36 08.44
CRP 2.07 193 ePnc 35 42.38 0.2
CPKM 2.08 194 eP 35 43.14 0.7
eS 36 09.45
BGL 2.10 196 ePc 35 43.73 1.1
CKN 2.11 193 ePc 35 43.93 1.2
SPU 2.14 191 ePc 35 43.73 0.5
CKL 2.15 195 ePc 35 44.40 0.9
PMS 2.18 159 P 35 44.50 0.7
HDA 2.20 57 eP 35 42.52 -1.5
TTA 2.21 263 P 35 44.00 -0.3
FBA 2.21 41 P 35 43.00 -1.2
KNK 2.27 144 ePc 35 45.66 0.6
eS 36 15.06
BKG 2.27 193 ePc 35 45.77 0.7
SCM 2.31 127 eP 35 45.26 -0.4
GLM 2.40 43 ePd 35 45.51 -1.4
DJE 2.58 71 eP 35 50.49 1.1
TOA 2.60 115 P 35 50.20 0.4
PAX 2.62 94 eP 35 50.31 0.2
PTE 2.63 156 ePc 35 51.24 1.2
SDG 2.70 104 eP 35 51.16 0.0
DFR 2.78 195 eP 35 53.10 0.7
SLKM 2.82 170 eP 35 53.84 1.0
REF 2.89 195 ePc 35 54.69 0.8
RS2 2.92 195 eP 35 55.35 1.0
RSO 2.92 195 ePc 35 55.28 0.9
RS1 2.92 195 eP 35 55.35 0.9
TZL 2.94 112 eP 35 55.70 1.2
RED 2.96 195 eP 35 56.10 1.2
IMA 3.00 340 P 35 55.00 -0.4
SVW 3.00 226 P 35 56.20 0.8
KLU 3.04 124 eP 35 56.94 0.9
VZW 3.12 133 eP 35 58.11 1.1
VLZ 3.14 131 eP 35 57.69 0.5
NNL 3.25 181 ePc 36 00.83 2.0
SEW 3.29 164 eP 36 01.62 2.1
PRP 3.34 45 eP 36 01.18 0.9
INE 3.35 196 eP 36 02.14 1.7
INW 3.35 197 eP 36 01.30 0.9

```
07d 11h

BRLI      3.53 177 ePd    36 03.94   1.1
HOM       3.64 184 eP     36 07.08   2.7
HIN       3.65 140 ePc    36 04.78   0.1
CVA       3.76 134 ePc    36 06.78   0.6
GLB       3.91 115 eP     36 09.98   1.7
AUL       4.05 196 P      36 14.00   3.7
AUE       4.07 196 eP     36 12.80   2.4
AUP       4.07 196 eP     36 12.36   1.8
AUH       4.07 196 eP     36 14.29   3.7
FYU       4.17  35 eP     36 13.35   1.5
CDD       4.52 196 eP     36 17.89   1.0
KAIM      4.67 133 eP     36 18.04  -1.0
TGL       4.69 119 eP     36 19.50   0.1
BALM      4.72 114 ePc    36 19.99   0.0
YAH       5.35 119 eP     36 28.79  -0.1
PCA       6.11 117 eP     36 39.18  -0.2
ANM       6.38 288 eP     36 41.80  -1.4
BCPM      6.44 116 eP     36 43.37  -0.7
PNL       6.71 117 eP     36 47.36  -0.5
HON       7.05 117 eP     36 51.22  -1.4
SDN       9.26 215 eP     37 23.04  -0.2
YKA      16.56  76 eP     39 01.90   1.5
      0.9s     1.20nm              3.0mb X
      79 obs. associated
--------------------------------------------
? JUN 07, 1992  11h 41m 46.36±10.55s
   32.245 S ±75.0km    71.684 W ±47.0km
   DEPTH =  33.0km  (normal)
 NEAR COAST OF CENTRAL CHILE        (135)
      MD 3.8 (SAN).

ROCH      0.92 142 iPd    42 02.40  -0.8
                   iS     42 13.70
JACH      1.02 116 iPd    42 04.50   0.0
                   iS     42 17.20
PEL       1.23 137 iPd    42 07.00  -0.4
                   iS     42 22.50
LCCH      1.23 176 iPc    42 07.70   0.4
                   iS     42 22.50
FCH       1.59 133 iPc    42 13.10   0.2
                   iS     42 33.10
PCH       1.69 145 eP     42 15.10   1.0
                   iS     42 35.60
LNV       1.72 172 iPc    42 13.90  -0.5
                   iS     42 35.90
     S.D. = 0.7  on   7 of   7 obs.
--------------------------------------------
   JUN  07, 1992  11h 45m 59.51± 0.26s
   43.838 N ± 2.4km   18.814 E ± 2.3km
   DEPTH =  11.2 ±  2.1 km
   4.7mb ( 13 obs.)
 NORTHWESTERN BALKAN REGION         (383)
      ML 4.8 (ZAG), 4.4 (TIR), 4.4
      (ROM), 4.2 (TTG). MD 4.8 (TRI).
      Felt (VI) in the Visegrad area.
      Also felt at Sarajevo, Bosnia-
      Herzegovina.

PLE       0.66 140 iPgc   46 10.81  -1.8
                   iSg    46 18.96
BRY       0.96 192 iPgd   46 16.91  -0.8
                   iSg    46 30.98
NKY       1.03 172 iPgd   46 17.83  -1.2
                   iSg    46 32.21
IVA       1.25 140 iPgc   46 21.30  -1.3
                   iSg    46 38.38
HCY       1.41 190 iPgd   46 24.63  -0.4
                   iSg    46 45.58
TTG       1.44 167 iPgd   46 24.90  -0.6
                   iSg    46 45.46
PVY       1.50 145 iPgd   46 25.77  -0.7
                   iSg    46 46.57
BEO       1.53  50 iPg    46 26.50  -0.3
                   iSg    46 45.40
BDV       1.55 180 iPgd   46 26.97  -0.1
                   iSg    46 49.33
HVAR      1.84 250 iPnd   46 34.20   2.9X
                   iSn    47 00.20
SDA       1.89 164 iPnd   46 33.00   1.1
ULC       1.90 170 ePn    46 33.16   1.0
                   iSn    46 57.83
KKS       2.12 146 iPnd   46 36.00   0.8
                   iSn    47 05.50
SSR       2.34  63 ePd    46 36.00  -2.5
PHP       2.46 150 iPnd   46 41.70   1.6
                   iSn    47 10.70
TIR       2.61 162 iPnd   46 44.10   1.8

                   iSn    47 18.00
SKO       2.68 133 iPnd   46 42.70  -0.7
                   i      46 44.50
UZD       2.76 357 iPnd   46 45.20   0.8
ZAG       2.82 315 iPnc   46 46.70   1.4
                   iPg    46 54.50
                   iSn    47 21.50
PTJ       2.89 316 iPnc   46 47.50   1.1
                   iSn    47 21.50
VBY       3.04 305 ePn    46 50.60   2.3
                   iPb    46 57.50
                   i(Sn)  47 34.00
BAI       3.07 209 P      46 49.00   0.2
OHR       3.09 151 iPn    46 50.60   1.4
                   iSn    47 36.50
BRT       3.19 203 P      46 50.90   0.4
                   eSn    47 29.60
VLO       3.40 171 ePn    46 54.50   1.0
DEV       3.55  53 ePc    46 58.00   2.3
LCI       3.56 191 P      46 55.40  -0.3
                   eSn    47 37.20
BUD       3.65   2 iPnd   46 56.70  -0.3
TPE       3.65 165 iPnc   46 59.00   1.9
                   iSn    47 52.00
CEY       3.66 303 iPn    46 59.40   2.2
                   e(Sg)  48 00.50
VAY       3.74 131 iPn    46 57.20  -1.2
                   i      47 59.30
                   i      48 05.00
LJU       3.76 307 iPn    47 00.70   2.1
                   iSg    48 04.00
DUI       3.88 237 Pc     47 03.50   3.2X
LSK       3.92 160 ePn    47 01.00   0.1
SRO       3.99 355 iPnc   47 02.10   0.3
                   i      47 04.20
                   i      47 09.40
                   i      47 32.60
                   i(Sn)  48 04.80
DRA       4.00  76 ePd    47 04.00   2.0
SRN       4.05 167 ePn    47 02.40  -0.3
TRI       4.05 299 P      47 04.70   2.0
VOY       4.13 304 iPn    47 05.80   1.9
                   ePg    47 19.00
                   eSn    47 54.40
                   eSg    48 21.50
PSZ       4.15  10 ePnc   47 03.40  -0.8
KZN       4.16 147 eP     47 04.00  -0.3
ORI       4.16 206 P      47 05.00   0.7
SGO       4.19 220 P      47 05.20   0.6
KEK       4.19 170 eP     47 04.50  -0.2
COZ       4.22  68 eP     47 07.00   1.7
AQU       4.23 251 P      47 07.50   2.1
SDI       4.25 242 P      47 07.90   2.2
                   eSn    47 59.20
ARV       4.27 267 P      47 07.30   1.3
TNR       4.29  63 ePc    47 20.00  13.8X
MGR       4.42 214 P      47 10.40   2.4
CSI       4.48 206 P      47 08.30  -0.5
ASS       4.55 262 P      47 11.40   1.6
                   eSn    48 05.20
TDS       4.57 205 P      47 09.70  -0.4
ROI       4.58 202 P      47 07.70  -2.6
CEI       4.62  32 eP     47 39.00  28.3X
CMP       4.67  70 ePd    47 14.00   2.4
MNS       4.72 254 P      47 13.50   1.2
VKA       4.76 339 iPnc   47 12.80   0.0
                   i      47 35.20
                   iSn    48 05.60
                   i      48 38.10
ACI       4.89 204 P      47 14.70   0.0
RDP       4.94 247 P      47 18.00   2.5
CRE       4.98 270 P      47 18.30   2.3
VVI       5.02 298 P      47 18.30   1.8
KBA       5.03 312 iPnc   47 18.00   1.2
                   iSn    48 17.50
SFI       5.03 273 P      47 18.50   1.9
CZI       5.03 204 P      47 17.20   0.5
FVI       5.08 305 Pc     47 19.00   1.8
PGD       5.13 273 P      47 20.10   1.9
OUC1      5.22  82 ePd    47 36.00  16.7X
GRI       5.33 201 P      47 20.51  -0.4
KMR       5.33 324 iPn+   47 21.70   0.8
MLR       5.35  70 iPc    47 23.00   1.7
FIR       5.47 272 iPnc   47 25.50   2.7
                   iPg    47 46.00
                   iSn    48 15.00
CTI       5.54 296 P      47 24.70   0.7

CVO       5.60  67 eP     47 20.00  -4.7X
ISR       5.68  74 eP     47 34.00   8.1X
BHG       5.68 315 iPnc   47 27.30   1.4
VLS       5.81 166 eP     47 24.00  -3.7X
VRI       5.98  67 ePd    47 32.00   2.0
PII       6.00 272 P      47 31.20   0.9
WTTA      6.09 307 iPnc   47 33.40   1.6
                   i      48 32.50
SOI       6.13 201 P      47 30.90  -1.1
                   eSn    48 39.30
SAL       6.16 290 P      47 32.80   0.2
PTT       6.17  57 eP     48 02.00  29.4X
WATA      6.17 307 iPnc   47 34.70   1.9
ATN       6.21 205 P      47 32.60  -0.7
SOTA      6.32 305 iPnc   47 37.40   2.4
KHC       6.41 328 iPnc   47 36.30   0.2
                   e      47 50.80
                   e      48 53.70
OJC       6.42   6 eP     47 36.20   0.0
                   iS     48 42.50
MOTA      6.45 306 iPnc   47 38.40   1.6
CLI       6.57  63 eP     47 40.00   1.6
WET       6.70 324 iPnd   47 40.70   0.4
OSS       6.75 298 ePc    47 42.40   1.3
MDI       6.76 290 P      47 40.70  -0.3
BOB       6.79 281 P      47 42.10   0.6
FUR       6.80 312 iPc    47 42.10   0.5
PRU       6.81 336 Pn     47 41.30  -0.4
      Z  10s      2.80um
                   e      47 50.50
                   e      47 59.80
DMK       6.88 104 eP     47 42.00  -0.7
EZN       6.89 123 eP     47 42.00  -0.9
VDL       7.12 295 eP     47 47.40   1.2
KGT       7.16 115 eP     47 44.00  -2.6
KSP       7.21 347 eP     47 46.00  -1.4
PRK       7.23 127 eP     47 47.50  -0.1
PGF       7.29 263 eP     47 49.10   0.6
      0.5s    39.95nm              5.8mb X
TMA       7.41 291 ePc    47 49.70  -0.6
PCP       7.42 279 P      47 49.91  -0.4
LLS       7.55 297 eP     47 53.80   1.5
CKI       7.60 278 P      47 52.00  -0.8
BNT       7.61 114 eP     47 51.00  -2.0
BRG       7.78 337 ePn    47 53.00  -2.2
                   i      48 04.00
                   i      48 40.00
                   i      48 56.00
                   iSn    49 08.00
                   iSg    49 47.00
                   i      50 53.00
VLI       7.78 155 eP     47 51.00  -4.3X
GRF       7.84 321 iPnc   47 55.20  -0.9
                   e      47 56.00
IMI       7.90 274 P      47 55.73  -1.3
ROB       7.90 277 P      47 55.42  -1.6
ORO       7.92 287 P      47 55.20  -2.2
HOF       8.02 326 eP     47 58.10  -0.6
ZLA       8.16 300 ePc    48 00.50  -0.2
SLE       8.21 302 iPc    48 00.80  -0.6
ENR       8.22 277 P      47 59.74  -1.8
SBF       8.23 274 eP     48 00.40  -1.2
      0.5s    28.80nm              5.8mb X
STV       8.29 277 P      48 01.06  -1.5
BHB       8.34 281 P      48 00.00  -3.2X
DOI       8.34 279 P      48 02.20  -1.1
RSP       8.37 283 P      48 00.14  -3.5X
MOX       8.39 327 iPn    48 02.60  -1.2
                   iSg    50 08.00
CLL       8.44 334 iPnd   48 03.10  -1.4
                   eSg    50 12.00
PZZ       8.45 279 P      48 02.29  -2.5
LSD       8.47 285 P      48 02.39  -2.8X
FEL       8.55 302 eP     48 05.42  -0.8
RRL       8.69 281 P      48 04.55  -3.6X
BBS       8.71 299 P      48 07.35  -1.0
EMS       8.72 289 eP     48 09.10   0.5
LPG       8.76 285 eP     48 07.00  -2.2
      0.5s    32.20nm              5.9mb X
BNI       8.77 282 P      48 07.40  -1.9
LPL       8.77 285 eP     48 07.90  -1.5
      0.5s    19.10nm              5.7mb X
FRF       8.82 272 eP     48 08.80  -1.0
      0.7s    37.90nm              5.8mb X
LIBD      8.92 303 P      48 10.09  -1.0
LMR       8.95 271 eP     48 10.50  -1.0
      0.6s    12.80nm              5.4mb X
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TOD      8.97 314 eP      48 10.92  -1.0
LRG      9.04 272 eP      48 12.10  -0.7
         0 4s     17.45nm          5.8mb X
MOF      9.09 300 P       48 12.59  -1.0
LOMF     9.11 297 P       48 13.42  -0.4
WLS      9.18 304 P       48 13.45  -1.3
ECH      9.21 302 P       48 14.06  -1.2
CDF      9.22 304 P       48 14.52  -0.9
BSF      9.29 300 P       48 15.25  -1.2
TNS      9.53 316 iP-     48 19.20  -0.4
                  eS      50 06.00
HAU      9.63 300 eP      48 19.80  -1.2
         0.7s     64.60nm          6.1mb X
      Z  19s      0.57um           5.3MszX
ABH      9.80 312 eP      48 22.94  -0.4
VITF     9.94 301 P       48 23.79  -1.4
RUP      9.97 310 eP      48 25.97   0.3
BNS     10.62 316 iPnc    48 34.30  -0.3
         0.6s     70.00nm          6.2mb X
                  id      48 35.00
LBF     10.90 292 eP      48 36.80  -1.6
         0.5s     11.50nm          5.5mb X
SMF     10.93 290 eP      48 36.80  -2.0
         0.6s     22.80nm          5.7mb X
MEM     11.02 312 iPd     48 39.81  -0.2
                  ic      48 41.00
LOR     11.03 293 eP      48 38.90  -1.3
         0.5s      8.95nm          5.4mb X
      Z  20s      0.32um           5.0Msz
ENN     11.16 313 iPc     48 42.80   1.0
         0.7s     27.00nm          5.7mb X
SSF     11.23 292 eP      48 40.80  -2.0
         0.6s      7.95nm          5.2mb X
AVF     11.28 291 eP      48 42.30  -1.3
         0.6s      8.50nm          5.2mb X
WTS     11.45 320 eP      48 46.50   0.7
         0.8s     39.00nm          5.8mb X
                  e       48 53.50
BGF     11.59 289 eP      48 46.60  -1.2
         0.7s     16.20nm          5.4mb X
MNK     11.59  27 eP      48 56.00   8.3X
TCF     12.00 288 eP      48 52.00  -1.3
         0.6s      5.50nm          5.0mb X
LSF     12.46 287 eP      48 58.50  -1.0
         0.6s      3.45nm          4.8mb X
LDF     13.94 297 eP      49 18.40  -0.6
         0.8s     18.95nm          5.0mb X
FLN     14.21 297 eP      49 21.60  -1.0
         0.9s     42.40nm          5.2mb X
      Z  18s      0.33um           6.1Msz
GRR     14.38 295 eP      49 24.10  -0.7
         0.6s      5.30nm          4.4mb X
UPP     16.06 358 iP      49 45.90  -0.7
OBN     16.09  39 eP      49 44.00  -3.0X
         1.0s     23.00nm          4.3mb
MFS     16.61 351 eP      49 52.00  -1.6
         0.6s      3.20nm          3.6mb X
      Z  15s      0.37um           5.0Msz
                  LR      55 32.00
MOS     16.94  39 ePd     49 58.00   0.3
         1.8s    140.00nm          4.8mb
      Z  17s      0.72um
EKA     18.22 317 Pd      50 15.10   1.4
         0.6s      4.30nm          3.8mb
GRS     20.97  92 eP      50 50.00   5.0X
         1.2s     20.00nm          4.4mb
BCAO    39.24 180 ePc     53 20.20  -9.4X
         0.4s     10.00nm          4.8mb
                  ic      53 31.80
KIC     42.67 216 (P)     54 02.50   4.7X
LIC     42.91 216 (P)     54 01.00   1.2
ZAK     54.91  51 eP      55 34.50   2.4
         1.6s      8.00nm          4.5mb
BOD     56.84  39 eP      55 43.20  -2.7
         1.0s     10.00nm          4.8mb
MBC     57.24 349 eP      55 49.00   0.4
YKA     67.65 339 eP      56 57.20  -0.8
         0.9s      6.20nm          4.8mb
CHG     70.20  83 eP      57 13.60  -0.8
CHTO    70.20  83 eP      57 13.00  -1.4
         0.9s      5.97nm          4.7mb
                  pP      57 15.90   9kmX
IMA     70.28 357 iPc     57 15.09   0.8
         0.8s      7.06nm          4.8mb
FBA     71.10 354 eP      57 19.46   0.3
         0.8s      8.29nm          4.9mb
BALM    74.36 351 eP      57 39.72   1.1
SES     76.50 330 eP      57 51.00   0.1
PNT     80.35 334 eP      58 13.00   1.1
         0.7s      5.00nm          4.6mb
NEW     80.44 332 eP      58 14.00   1.6
         0.9s      4.39nm          4.5mb
WRA    121.83  88 PKP     04 54.50  -0.8
         0.5s      0.40nm
ASPA   123.83  91 iPKPd   04 57.20  -2.0X
         1.5s      3.30nm
DZM    145.57  61 iPKPd   05 40.10   0.6
      S.D. = 1.4  on 170 of 190 obs.
-----------------------------------------
%  JUN 07, 1992  11h 57m 56.56± 1.08s
   38.673 S ±17.0km  177.805 E ± 9.3km
   DEPTH =  33.0km  (normal)
 NORTH ISLAND, NEW ZEALAND          (159)
       ML 3.7 (WEL).

NOZ      0.19  73 Pc      58 03.70   0.7
PUZ      0.70  31 P       58 09.20  -0.7
                  eS      58 19.50
TAZ      1.11 293 eP      58 16.40   0.6
PATZ     1.25 283 eP      58 18.10   0.2
NGZ      1.79 253 eP      58 25.00  -0.8
CNZ      1.84 253 eP      58 26.50   0.1
      S.D. = 0.8  on   6 of   6 obs.
-----------------------------------------
   JUN 07, 1992  12h 02m 14.66± 0.57s
   6.202 S ± 3.8km  147.510 E ± 5.6km
   DEPTH =  66.9 ±  5.2 km
   5.1mb ( 25 obs.)
 EASTERN NEW GUINEA REG., P.N.G. (207)
       CENTROID, MOMENT TENSOR     (HRV)
       Data Used: GDSN
       L.P.B.: 10S, 10C
       Centroid Location:
       Origin Time        12:02:22.6 2.0
       Lat  6.24S  FIX;Lon 147.52E  FIX
       Dep  15.0 FIX Half-duration  1.3
       Moment Tensor;   Scale 10**16 Nm
         Mrr= 2.13 0.46  Mtt=-0.92 0.41
         Mff=-1.22 0.50  Mrt=-5.34 1.77
         Mrf= 3.13 1.30  Mtf= 0.19 0.43
        Principal Axes:
         T  Val=  6.90   Plg=52  Azm=209
         N       -0.97     2        301
         P       -5.92    38         33
       Best Double Couple:Mo=6.4*10**16
        NP1:Strike=137 Dip= 8 Slip= 106
        NP2:       301      83       88

FINC     0.54 140 iPc     02 25.30  -2.4
LAT      0.68 228 iP      02 27.10  -2.2
YYYY     1.54 268 eP      02 41.30   0.7
                  eS      03 06.00
MDG      1.96 299 eP      02 45.80  -0.5
PMG      3.21 186 iPd     03 03.50  -0.2
                  eS      03 45.00
MNDI     3.83 270 eP      03 15.00   2.3
WWKK     4.64 303 eP      03 26.70   2.7
RAB      5.05  67 eP      03 30.00   0.3
         0.4s    406.78nm          6.0mb
TLE     14.69 271 ePd     05 47.10   6.8X
QIS     16.20 208 iPc     06 00.40   0.8
         0.5s     21.00nm          4.5mb
                  iS      08 52.00
MTN     17.44 247 eP      06 15.00  -0.1
WB2     18.71 222 iPc     06 29.00  -1.6
         0.6s     57.50nm          5.0mb
                  i       07 35.40
AAI     19.40 276 ePd     06 38.50   0.2
GUA     19.78 353 eP      06 43.50   1.2
         0.7s    164.38nm          5.4mb
GUMO    19.83 352 eP      06 44.10   1.2
         1.3s    168.60nm          5.2mb
PJG     19.84 352 eP      06 44.00   1.1
RMQ     20.21 177 eP      06 48.00   1.3
         1.0s     88.00nm          5.0mb
                  i       06 51.50
QLP     20.51 188 iPc     06 50.20   0.4
         0.6s    149.00nm          5.5mb
ASPA    21.75 216 iPc     07 01.90  -0.4
         0.4s     75.00nm          5.4mb
      Z  21s      0.60um           4.0Msz
                  i       09 21.50
                  eS      11 02.50
MNI     23.87 288 ePc     07 24.50   1.4
DZM     24.16 133 iPd     07 27.00   1.1
ARMA    24.40 171 iPc     07 30.00   1.8
         1.0s     54.00nm          5.0mb
CMS     25.20 183 eP      07 37.00   1.3
STK     26.14 191 iPd     07 44.70   0.3
         0.7s     11.00nm          4.5mb
PCI     28.11 280 ePc     08 05.50   3.1X
         1.0s      1.50nm          3.6mb X
                  e       12 19.50
FORT    30.52 214 eP      08 23.20  -0.6
MBL     30.65 238 eP      08 24.70  -0.3
BFD     31.16 188 iPd     08 28.90  -0.5
TOO     31.28 183 eP      08 32.00   1.5
MEEK    34.21 230 eP      08 55.70  -0.4
COOL    34.85 222 eP      09 00.00  -1.5
NANU    34.87 239 eP      09 01.50  -0.2
MRWA    37.53 229 eP      09 24.30   0.2
KLB     37.57 224 eP      09 24.10  -0.3
         0.3s      9.00nm          5.2mb
BAL     37.75 226 eP      09 25.70  -0.3
MUN     38.88 225 eP      09 35.70   0.4
IIDJ    42.43 348 P       10 05.00   0.4
CHJJ    42.78 350 P       10 08.00   0.7
MAT     43.40 349 eP      10 12.00  -0.4
         1.2s     70.31nm          5.3mb
MTMJ    43.52 349 P       10 13.80   0.3
NIIJ    43.94 350 P       10 17.90   1.2
YAMJ    44.69 352 eP      10 23.10   0.3
SSE     44.82 327 Pc      10 24.00   0.1
         0.9s     17.00nm          4.9mb
KGM     44.87 279 ePd     10 25.80   1.2
OFUJ    45.38 354 eP      10 27.50  -0.6
NJ2     46.83 326 Pd      10 40.60   0.9
         1.0s     20.00nm          5.0mb
IPM     47.63 282 ePd     10 47.00   0.6
WHN     48.41 321 eP      10 51.20  -0.9
TIA     50.91 328 eP      11 10.00  -1.2
         1.2s     48.00nm          5.4mb
CHG     53.93 299 eP      11 34.50   0.5
CHTO    53.93 299 eP      11 32.30  -1.7
         1.0s      2.75nm          4.2mb
XAN     54.16 320 P       11 34.50  -1.0
         1.2s     32.00nm          5.2mb
BJI     54.32 331 eP      11 35.50  -1.0
         1.5s     57.00nm          5.4mb
TIY     54.55 326 eP      11 37.60  -0.8
CD2     55.78 314 P       11 46.90  -0.4
HHC     57.27 328 eP      11 57.40  -0.5
         1.0s     15.00nm          5.1mb
BTO     57.92 327 eP      12 02.00  -0.4
LZH     58.69 319 eP      12 09.50   1.5
         1.5s     48.00nm          5.4mb
GTA     63.22 320 eP      12 38.20  -0.3
         1.2s     16.00nm          4.9mb
CSY     65.21 196 iPc     12 51.50   0.7
         0.5s     21.00nm          5.4mb
GUN     68.40 303 P       13 10.40  -1.8
PKI     68.68 303 P       13 12.80  -1.1
KKN     68.86 303 P       13 13.20  -1.6
DMN     68.95 303 P       13 14.00  -1.4
GKN     69.47 303 P       13 16.60  -1.9
WMQ     73.27 319 eP      13 39.60  -1.2
MAW     82.26 203 iPc     14 30.40   0.7
         1.0s     10.00nm          4.7mb
SPA     83.84 180 iPc     14 40.20   2.1
         1.0s     30.50nm          5.3mb
KLU     84.52  26 eP      14 41.51   0.1
FBA     85.17  23 eP      14 43.96  -0.6
         0.8s      7.77nm          4.8mb
GEC2   122.36 326 PKP     21 02.90  -1.0
         0.5s      0.51nm
BCAO   129.18 271 iPKPc   21 19.30   1.3
         0.9s      9.00nm
                  id      21 31.00
                  id      23 33.50
CNCB   138.12 124 PKP     21 34.00  -1.5
                  e       25 12.00
LPB    138.16 123 PKP     21 40.00   4.6X
ZOBO   138.25 123 ePKP    21 26.00  -9.8X
         1.2s     20.27nm
                  i       21 38.20
                  i       25 04.00
SIV    144.13 128 PKP     21 44.80  -0.6
PPD    146.42 147 ePKP    21 51.80   2.6X
LIC    152.70 272 PKP     22 07.80   8.9X
TIC    152.70 272 PKP     22 07.80   8.8X
      S.D. = 1.1  on  72 of  79 obs.
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&  JUN 07, 1992  14h 11m 53.58s
   63.354 N            151.160 W
   DEPTH =  20.6km
 CENTRAL ALASKA                    ( 1)
      <AEIC>. ML 2.5 (AEIC).

KTH      0.23  28 P      11 59.20  -0.1
TRF      0.40  76 P      12 02.20   0.0
                  S      12 09.10
HUR      0.79 118 P      12 08.10  -0.4
                  S      12 18.10
CUT      1.04 156 P      12 12.10  -0.6
RND      1.04  86 P      12 13.10   0.3
SKT      1.39 187 P      12 17.30  -0.6
                  S      12 34.50
PWA      1.81 160 P      12 23.80  -0.1
GHO      1.90 146 P      12 25.20  -0.1
SUA      1.91 174 P      12 24.70  -0.8
PLRM     2.00 151 P      12 26.70   0.0
PMR      2.00 151 iPc    12 26.37  -0.4
                  S      12 45.13
SML      2.03 139 P      12 26.70  -0.5
HDA      2.14  59 P      12 29.20   0.5
FBA      2.14  42 eP     12 28.61  -0.2
                  S      13 00.85
TTA      2.24 261 ePc    12 32.14   1.9
KNK      2.32 146 P      12 32.00   0.7
BKG      2.35 193 P      12 31.50  -0.3
SLKM     2.89 171 eP     12 40.64   1.3
                  S      13 16.44
IMA      2.93 339 eP     12 40.01   0.0
RED      3.04 195 P      12 40.00  -1.6
KLU      3.07 125 P      12 42.90   0.9
SVW      3.07 225 (P)    12 42.38   0.4
       22 obs. associated
-------------------------------------
    JUN 07, 1992  14h 26m 00.20± 0.24s
   24.224 S ± 6.4km  176.226 W ± 5.6km
    DEPTH =  67.2km  (  8 depth phases)
   5.5mb ( 45 obs.)
 SOUTH OF FIJI ISLANDS            (171)
      CENTROID, MOMENT TENSOR     (HRV)
      Data Used: GDSN
      L.P.B.: 24S, 42C
      Centroid Location:
      Origin Time       14:26: 3.6 0.4
      Lat 24.21S 0.05 Lon 175.64W 0.04
      Dep  67.0 3.7 Half-duration  2.1
      Moment Tensor;    Scale 10**16 Nm
        Mrr= 3.63 0.38  Mtt= 4.48 0.79
        Mff=-8.11 0.58  Mrt= 4.36 0.39
        Mrf= 7.15 0.40  Mtf=-4.12 0.46
       Principal Axes:
        T  Val=  8.76   Plg=50  Azm=344
        N        4.52       28      215
        P      -13.28       26      110
      Best Double Couple:Mo=1.1*10**17
       NP1:Strike=155 Dip=32 Slip=  26
       NP2:        42     76       119

RAO      5.23 196 eP     27 18.60   0.9
                  S      28 18.00
SVA      7.84 320 ePc    27 56.20   2.2X
VUN      7.93 320 ePc    27 57.10   2.0
AFI     11.09  23 ePc    28 29.00  -9.3X
                  eS     28 42.00
PUZ     14.59 198 eP     29 17.30  -7.0X
URZ     15.10 201 eP     29 21.20  -9.7X
BKM     15.90 291 iPc    29 50.50   9.2X
DZM     16.08 274 iPc    29 48.90   5.2X
KHZ     20.03 203 eP     30 23.00  -7.1X
BWZ     23.21 206 eP     31 00.60  -1.3
ARMA    29.16 251 eP     31 59.00   1.7
RMO     31.67 258 iPd    32 20.80   1.4
     1.1s     85.00nm          5.5mb
CTA     34.92 269 P      32 48.20   0.5
TOO     35.20 239 eP     32 50.00   0.1
     1.0s     29.00nm          5.2mb
STK     37.81 249 iPd    33 12.30   0.4
     0.5s      4.70nm          4.7mb
PMG     37.88 287 eP     33 12.00  -0.6
OIS     40.88 266 iPd    33 37.00  -0.4
                  e      35 38.40
ASPA    45.38 260 iPc    34 12.60  -1.4
     0.8s     25.60nm          5.1mb
   Z  21s      0.90um          4.7Msz

                  eS     40 48.20
WB2     45.81 265 iPd    34 15.50  -1.9
        0.5s     28.90nm       5.4mb
                  iS     40 01.60
WRA     45.82 265 P      34 15.90  -1.5
        0.6s     11.60nm       5.0mb
FORT    49.43 249 eP     34 44.00  -1.5
GUA     53.38 311 eP     35 14.10  -1.2
        0.9s    134.45nm       6.0mb
GUMO    53.45 311 eP     35 14.50  -1.3
        1.0s    130.80nm       5.9mb
   Z  23s        0.48um      4.5MszX
                  e      35 16.90  8kmX
PJG     53.45 311 eP     35 14.50  -1.3
COOL    55.30 248 eP     35 27.40  -1.9
KLB     58.03 247 eP     35 48.00  -0.7
MBL     58.62 259 eP     35 50.50  -2.4
MUN     59.26 246 eP     35 56.30  -0.9
MRWA    60.00 249 eP     36 01.00  -1.3
CSY     61.34 206 iPd    36 10.80  -0.1
        0.6s     58.00nm       5.9mb
NANU    62.07 256 eP     36 15.00  -1.4
SPA     65.92 180 eP     36 46.00   4.9X
        0.8s     16.67nm       5.1mb
CHJJ    73.37 323 P      37 25.90  -0.8
IIDJ    73.55 322 P      37 26.90  -0.9
MAT     74.16 323 eP     37 30.00  -1.3
        0.8s     17.91nm       5.1mb
                  eS     47 30.00
OFUJ    74.27 327 eP     37 30.90  -1.0
YAMJ    74.41 326 eP     37 32.40  -0.3
MTMJ    74.42 323 P      37 32.10  -0.8
ADK     75.78 360 eP     37 38.90  -1.2
        0.7s     99.30nm       5.9mb
KUSJ    76.03 332 eP     37 41.20  -0.6
SMY     77.09 354 eP     37 47.80   0.3
ASAJ    77.75 331 eP     37 52.10   0.8
MAW     78.63 200 e(P)   37 57.00   1.1
        1.0s     21.00nm       5.0mb
BCH     79.48  44 eP     38 01.63   0.5
PET     79.96 345 eP     38 03.00  -0.2
        1.5s     98.00nm       5.5mb
YSS     80.01 333 eP     38 03.80   0.3
        0.7s    120.00nm       5.9mb
SDN     80.38   9 eP     38 04.70  -0.6
        0.8s    150.80nm       6.0mb
PLM     80.44  47 iPc    38 06.51   0.1
PEC     80.56  46 iP     38 06.69  -0.2
        0.9s      5.38nm     4.5mb X
ISA     80.80  44 iPc    38 08.34   0.2
        1.2s     25.53nm       5.0mb
ORV     81.44  40 eP     38 11.59   0.3
LBFM    82.40  38 ePd    38 17.27   0.8
TNP     83.09  43 iPd    38 20.87   0.7
        1.0s     11.80nm       4.8mb
NJ2     83.50 309 Pc     38 23.80   1.7
        1.3s     40.00nm       5.3mb
KDC     84.04  13 eP     38 23.13  -1.1
        0.9s     18.35nm       5.1mb
MDJ     84.49 324 eP     38 28.00   1.2
        1.1s    240.00nm       6.2mb
BMW     85.13  34 eP     38 29.64  -0.4
                  epP    38 48.68  69km
IPM     85.27 277 ePd    38 32.50   1.2
        1.0s     47.80nm       5.5mb
ARUT    85.31  45 eP     38 31.09  -0.2
SHW     85.45  34 eP     38 32.54   0.8
WHN     85.96 306 ePd    38 35.50   1.1
        1.2s     32.00nm       5.3mb
LON     86.04  34 eP     38 34.28  -0.2
GMW     86.08  33 eP     38 35.09   0.4
                  epP    38 53.15  65km
SNY     86.10 319 Pc     38 34.20  -0.6
        1.0s     45.00nm       5.5mb
CN2     86.23 322 Pd     38 36.30   0.9
        1.2s    120.00nm       5.9mb
   Z  26s        0.33um      4.6MszX
                  epP    38 56.00  71km
RMW     86.52  34 eP     38 36.32  -0.6
                  epP    38 55.13  68km
MSU     86.54  45 eP     38 38.13   0.7
SVW     86.65  10 eP     38 36.13  -1.1
        0.7s     13.62nm       5.2mb
                  epP    38 55.51  70km
                  esP    39 05.45
SNG     86.72 279 eP     38 40.80   2.4X
TIA     86.98 312 Pd     38 40.50   1.2

        1.2s    210.00nm            6.2mb
SLKM    87.05  13 eP     38 37.47  -1.7
CRP     87.39  11 eP     38 39.03  -1.9
                  (pP)   38 57.86  68km
SRU     87.94  45 eP     38 43.66  -0.4
SIT     87.98  21 (P)    38 41.48  -2.1
        1.0s     13.60nm            5.1mb
SIT     87.98  21 eP     38 45.30   1.8
HVU     88.03  42 eP     38 44.84   0.4
DAU     88.20  44 eP     38 45.08  -0.4
PMR     88.26  13 eP     38 45.00   0.2
        0.9s     40.70nm            5.6mb
TTA     88.33   9 eP     38 45.50   0.2
ALQ     88.47  50 eP     38 47.60   0.9
        0.8s     11.56nm            5.1mb
DPW     88.63  35 eP     38 46.14  -0.9
                  epP    39 05.15  68km
PNT     88.84  33 eP     38 48.00   0.1
        0.9s     31.00nm            5.6mb
KLU     88.84  14 eP     38 46.62  -1.2
BALM    89.28  16 eP     38 48.32  -1.6
TOA     89.34  14 eP     38 50.70   0.6
NEW     89.45  35 eP     38 50.59  -0.2
        1.0s     15.00nm            5.2mb
BJI     89.68 315 eP     38 52.00   0.0
        1.4s     72.00nm            5.7mb
   Z  24s         0.32um          4.7MszX
NNT     89.76 284 eP     38 55.00   2.1
RND     89.97  12 eP     38 52.12  -0.9
NST     90.69 287 eP     39 01.00   3.8X
TIY     90.97 311 eP     38 59.50   1.4
        1.1s     91.00nm            6.0mb
FBA     91.52  12 eP     38 59.60  -0.4
        0.8s     30.60nm            5.7mb
IMA     91.64   9 eP     39 00.40  -0.3
        1.3s     29.30nm            5.5mb
XAN     91.67 307 Pc     39 02.70   1.3
        0.9s     58.00nm            6.0mb
BDT     92.33 288 eP     39 06.50   1.8
KMI     92.48 296 Pd     39 07.50   1.9
        1.4s    120.00nm            6.1mb
CHG     93.03 289 ePc    39 10.00   2.1
        1.0s     77.50nm            6.1mb
CHTO    93.03 289 iPc    39 09.80   1.9
        1.1s     90.11nm            6.1mb
                  eS     50 14.00
HHC     93.11 314 P      39 09.60   1.6
        1.0s     47.00nm            5.9mb
SES     93.91  36 eP     39 12.00   0.6
                  pP     39 29.00  59km
BTO     94.01 313 eP     39 13.00   0.9
MEO     94.06  54 iPc    39 11.60  -0.8
CD2     94.16 302 eP     39 13.40   0.4
YAK     96.14 337 eP     39 19.70  -1.5
        1.0s     25.00nm            5.7mb
LZH     96.31 307 eP     39 24.50   1.6
        1.5s     48.00nm            5.8mb
   Z  25s         0.27um          4.6MszX
YKA     99.20  24 eP     39 34.30  -0.7
        0.8s      0.90nm          4.4mb X
BOD    100.05 329 ePdiff39 47.20   8.1X
GTA    100.58 308 ePdiff39 43.00   0.9
        1.5s     18.00nm            5.5mb
ZAK    102.53 320 ePdiff39 47.20  -3.1X
        1.0s      6.00nm            5.3mb
GUN    107.51 293 Pdiff 40 00.00 -13.5X
GAR    122.61 302 ePKP  44 50.50   0.6
QUE    124.11 291 ePKP  44 52.60  -0.6
SVE    127.97 324 ePKPd 44 58.90  -0.6
BUL    129.70 211 PKPd  45 04.30   0.2
OBN    140.79 330 ePKP  45 24.00   0.4
        1.1s     22.00nm
ERE    142.40 305 ePKP  45 18.00  -9.2X
UPP    143.09 348 iPKP  45 22.50  -5.0X
HFS    143.45 352 ePKP  45 23.00  -5.1X
        0.9s     17.80nm
   Z  19s         0.07um           4.4Msz
                  LR    35 37.00
KONO   144.36 355 ePKP  45 27.10  -2.6X
MNK    145.41 335 ePKP  45 30.00  -1.6
        1.0s    396.00nm
ANN    145.90 316 ePKP  45 33.00   0.2
        1.2s     50.00nm
                  e     45 50.00
EDR    147.02   6 ePKPc 45 34.50   0.3
ELO    147.33   8 ePKPc 45 35.30   0.5
        1.0s     48.00nm
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EDU     147.33    7 ePKPc 45 35.50    0.8
        0.9s     64.00nm
EBH     147.57    8 ePKPc 45 37.30    2.2X
        0.9s     59.00nm
EAU     147.97    8 ePKPc 45 38.90    3.1X
        0.9s     48 00nm
ESY     147.99    7 ePKPc 45 38.20    2.4X
        1.1s     44.00nm
EBL     148.09    7 ePKPc 45 37.90    1.9
        1.0s     38.00nm
EKA     148.51    8 PKPd  45 39.10    2.5X
        0.9s     23.00nm
DMU     149.30   12 iPKPc 45 42.40    4.5X
        1.0s     81.00nm
KIS     149.69  325 iPKPd-45 42.00    3.3X
                    i     45 48.00
                    i     46 06.00
DCN     149.75   13 iPKPc 45 43.40    4.8X
        1.0s    104.00nm
DLF     149.94   12 iPKPc 45 43.80    4.9X
        0.9s    134.00nm
VAL     150.32   18 iPKP  45 45.40    5.9X
HRI     150.65  295 ePKP  45 47.30    6.5X
CLI     150.82  326 ePKP  45 45.50    5.0X
JVI     151.18  293 ePKP  45 47.70    6.2X
OJC     151.21  338 ePKP  45 41.90    1.0
        0.5s     49.00nm
                    e     45 46.70
                    i     45 48.00
                    i     45 56.30
WIT     151.37  356 ePKP  45 48.00    7.0X
VRI     151.56  325 ePKPd 45 45.00    3.4X
UZH     151.59  334 iPKPc 45 47.50    6.0X
      Z  17s      1.00um           5.7MszX
      E  17s      1.00um
                    i     45 55.80
                    e     46 04.20
PRNI    151.65  289 iPKPc 45 48.70    6.5X
KSP     151.71  343 ePKP  45 41.70    0.0
        0.9s     65.00nm
                    ic    45 48.10
                    i     45 58.30
                    i     46 12.60
                    e     18 38.40
CLL     152.04  348 ePKP  45 42.00   -0.1
        1.5s     14.00nm
ISR     152.14  324 ePKP  45 50.00    7.5X
WTS     152.17  356 ePKP  45 48.50    6.3X
        0.7s     35.00nm
BRG     152.25  346 ePKP  45 42.80    0.4
        1.0s     50.00nm
                    i     45 49.20
                    i     46 00.00
                    iSg   15 32.70
CSS     152.25  300 ePKP  45 49.60    6.6X
CMP     152.84  326 ePKPd 45 52.00    8.5X
MOX     152.93  349 ePKP  45 44.80    1.4
        1.4s     18.00nm
                    i     45 51.00
                    i     46 02.80
PRU     152.94  345 PKP   45 43.50    0.1
        1.0s      7.00nm
                    i     45 53.40
                    e     46 07.50
PSZ     153.11  336 ePKP  46 03.90   20.1X
COZ     153.15  327 ePKP  45 52.00    7.9X
ENN     153.45  357 ePKP  45 52.00    7.9X
        1.0s     16.00nm
                    e     46 04.50
SRO     153.78  337 ePKP  45 43.80   -0.8
                    i     46 05.70
GRF     153.92  349 ePKP  45 45.30    0.5
                    e     45 54.10
                    e     46 07.20
KHC     153.97  345 PKP   45 43.50   -1.5
        1.0s      7.00nm
                    i     45 53.40
                    e     46 07.50
GEC2    154.21  345 PKP   45 42.30   -3.1X
        1.1s      3.97nm
BZS     154.24  330 ePKP  45 43.00   -2.3X
BCAO    155.72  218 iPKPd 45 49.10    0.8
        0.8s      7.00nm
                    id    46 15.00
KBA     155.94  344 iPKPc 45 46.90   -1.0
        0.7s     16.50nm
                    i     46 15.40
```

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                    i     46 16.80
WTTA    156.17  347 iPKPc 45 49.00    0.8
        0.9s     24.00nm
                    i     46 16.20
VOY     156.76  342 ePKP  46 01.60   12.7X
                    e     46 18.60
SKO     157.01  325 iPKP  45 48.00   -1.2
                    i     46 21.70
                    i     46 46.80
OHR     157.95  324 ePKP  45 51.00    0.6
     S.D. = 1.1   on 122 of 165 obs.
--------------------------------------
? JUN 07, 1992 14h 47m 10.84± 1.22s
   11.122 S ±14.9km  165.672 E ±18.4km
   DEPTH =  33.0km  (normal)
   4.5mb (  6 obs.)
 SANTA CRUZ ISLANDS                (184)

DZM      10.91  176 iPd   49 47.10   -0.8
RMQ      22.10  224 iPd   52 05.00    0.0
ARMA     23.22  212 iPc   52 18.70    2.6
         1.1s     29.00nm          4.7mb
OIS      26.74  246 eP    52 49.50    0.0
CMS      27.34  219 eP    52 55.00    0.2
WB2      31.38  250 iPd   53 30.80   -0.3
         1.1s     11.80nm          4.6mb
WRA      31.39  250 P     53 30.50   -0.7
         0.9s      4.40nm          4.3mb
ASPA     32.70  243 iPc   53 41.00   -1.6
         1.1s     11.50nm          4.7mb
CHTO     72.19  294 e(P)  58 35.90    1.0
         1.2s      3.47nm          4.2mb
                    pP    58 43.00  23kmX
LRM      92.29   44 eP    00 19.10   -0.2
YKA      95.07   27 eP    00 38.60    7.2X
         0.8s      0.80nm          4.2mb
     S.D. = 1.3   on  10 of  11 obs.
--------------------------------------
% JUN 07, 1992 15h 31m 14.88± 0.70s
   46.801 N ± 5.9km    3.658 E ± 5.7km
   DEPTH =  10.0km  (geophysicist)
 FRANCE                            (538)
     ML 1.3 (LDG).

SMF       0.20  141 Pg    31 19.50    0.2
                    Sg    31 22.40
AVF       0.21  267 Pg    31 19.90    0.4
                    Sg    31 23.00
SSF       0.28  338 Pg    31 20.80    0.0
                    Sg    31 24.70
LBF       0.29   50 Pg    31 20.60   -0.3
                    Sg    31 24.50
LOR       0.49   16 Pg    31 24.90    0.1
                    Sg    31 30.40
BGF       0.61  247 Pg    31 26.60   -0.6
                    Sg    31 36.10
     S.D. = 0.5   on   6 of   6 obs.
--------------------------------------
   JUN 07, 1992 17h 41m 10.43± 0.26s
   16.415 N ± 4.0km   98.652 W ± 3.3km
   DEPTH =   5.0km  (geophysicist)
   5.3mb ( 61 obs.)  4.8Msz (  8 obs.)
 NEAR COAST OF GUERRERO, MEXICO  ( 58)
     Felt at Mexico City.
     CENTROID, MOMENT TENSOR     (HRV)
     Data Used: GDSN
     L.P.B.: 16S, 31C
     Centroid Location:
     Origin Time          17:41:21.0 1.1
     Lat 16.64N 0.10 Lon  98.30W 0.09
     Dep  15.0 FIX Half-duration  1.7
     Moment Tensor;   Scale 10**16 Nm
       Mrr= 5.84 0.70  Mtt=-4.11 0.56
       Mff=-1.72 1.13  Mrt= 6.03 1.84
       Mrf=-1.21 1.36  Mtf= 0.37 0.38
      Principal Axes:
       T  Val=  8.76  Plg=64  Azm= 12
       N       -1.67      1       280
       P       -7.09     26       190
     Best Double Couple:Mo=7.9*10**16
      NP1:Strike=278 Dip=19 Slip=  88
      NP2:       101     71        91

ACX       1.24  292 iP    41 31.89   -2.1
                    iS    41 48.00
OXX       1.96   70 iP    41 47.95    3.0X
                    iS    42 16.00
```

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IIT       2.61    7 iP    41 56.23    2.0
PPM       2.64    1 iP    41 56.77    1.9
                    iS    42 31.17
IIA       2.72  360 iP    41 57.44    1.9
IISM      2.83   25 iP    41 59.65    2.5X
UNM       2.94  350 eP    42 01.20    2.2
LVVM      3.91   32 eP    42 12.65    0.2
                    iS    43 01.00
MRX       4.07  324 iP    42 16.01    1.4
                    iS    43 02.00
COLM      5.53  301 iP    42 34.50   -1.1
CGX       5.62  306 eP    42 36.00   -1.0
                    iS    43 39.00
SCX       5.78   86 eP    42 41.00    2.1
TPX       6.34  103 (P)   42 48.00    1.1
AGX       6.44  328 (P)   42 56.00    7.8X
MZX       9.95  314 (P)   43 39.86    2.7X
MEO      18.29    0 iPd   45 25.20   -1.5
FNO      18.80    3 iPc   45 32.50   -0.4
FKO      18.80    3 iPc   45 33.10    0.1
VVO      19.02    7 iPc   45 34.90   -0.8
OCO      19.06    3 iPd   45 37.00    0.9
SIO      19.37    6 eP    45 38.30   -1.6
TUL      19.58    7 iPc+  45 40.60   -1.8
         0.8s    150.70nm          5.3mb
     Z  16s       2.80um         4.8MszX
                    e     45 47.40
                    S     49 18.00
                    LR    53 25.00
LNO      19.59    7 ePc   45 40.40   -1.9
ALQ      19.73  341 ePc   45 44.49    0.2
         0.8s     66.26nm          5.0mb
RLO      19.93    9 ePc   45 43.90   -2.3
         0.8s    150.70nm          5.4mb
OLY      20.06   17 ePc   45 45.90   -1.6
                    e     45 51.81
ACO      20.21  359 iPd   45 48.60   -0.5
PWLA     20.78   25 eP    45 54.85   -0.1
GRT      21.40   21 eP    45 59.56   -1.8
                    e     46 03.32
LST      21.54   20 eP    46 01.84   -0.8
GLA      22.09  322 ePd   46 09.34    1.0
CCM      22.52   15 ePc   46 11.95   -0.6
         0.8s     56.63nm          5.1mb
FVM      22.68   17 ePc   46 12.48   -1.5
         0.8s    138.21nm          5.5mb
PRM      22.89   37 eP    46 16.22    0.1
GBTN     23.10   31 eP    46 17.55   -0.6
HBF      23.31   42 eP    46 20.79    0.6
TKL      23.31   32 ePc   46 19.82   -0.4
SGS      23.39   41 eP    46 21.51    0.5
PLM      23.54  319 ePc   46 23.68    0.9
JSC      23.67   38 (P)   46 23.09   -0.7
LHS      24.08   38 ePc   46 28.26    0.6
PEC      24.09  320 ePc   46 29.22    1.4
         1.8s     93.40nm          5.1mb
SSK      24.63  320 eP    46 34.72    1.4
SRU      24.88  338 ePc   46 36.52    0.8
ARUT     24.96  331 ePc   46 38.13    1.7
MSU      25.01  334 ePc   46 38.00    1.0
EMUT     25.61  338 ePc   46 43.29    0.6
PSO      25.89  124 eP    46 47.50    1.9
ABL      26.00  319 ePc   46 46.83    0.5
CEH      26.07   38 eP    46 46.99    0.4
         0.9s    150.88nm          5.7mb
ISA      26.07  321 ePc   46 47.80    1.0
         1.0s     38.07nm          5.1mb
NAV      26.13   34 ePc   46 46.81   -0.4
BLA      26.25   34 ePc   46 48.17   -0.2
         1.0s     79.71nm          5.4mb
DAU      26.30  338 ePc   46 49.67    0.6
BMG      26.68  107 iPc   46 53.50    0.9
DUG      26.70  335 ePc   46 53.54    0.9
         0.8s     20.34nm          4.9mb
BCH      26.76  318 ePc   46 53.56    0.4
BOG      26.82  113 eP    47 01.00    6.8X
                    eS    51 41.50
TNP      27.07  326 ePc   46 56.66    0.6
         1.0s     21.72nm          4.8mb
PKEM     27.33  320 (P)   46 57.58   -0.7
PHAM     27.37  319 eP    46 59.22    0.6
BONR     27.56  325 ePc   47 01.45    0.8
CVL      27.88   36 eP    47 02.72   -0.5
RSSD     27.99  352 eP    47 05.00    0.6
         0.7s     41.52nm          5.4mb
HVU      28.05  337 ePc   47 05.34    0.4
KVN      28.25  327 eP    47 07.70    0.9
```

07d 17h

SDV 28.32 102 eP 47 08.50 0.9
NA2 28.39 36 eP 47 05.68 -2.1
TOV 28.85 100 eP 47 12.50 0.3
PTI 28.86 339 eP 47 12.45 0.3
ARN 29.04 320 ePc 47 13.61 -0.1
HPI 29.85 339 eP 47 22.82 1.6
ORV 30.47 324 ePc 47 27.09 0.7
TYNO 31.04 27 P 47 30.57 -0.8
ACTO 31.37 26 P 47 33.55 -0.8
LRM 31.51 341 ePc 47 36.40 0.6
LVNJ 31.90 36 eP 47 38.25 -0.8
LBFM 31.92 326 ePc 47 39.28 -0.1
WLVO 32.35 28 P 47 42.22 -0.6
TBR 32.43 36 iPc 47 42.86 -0.8
ULM 33.82 3 eP 47 56.00 0.4
EEO 34.25 24 eP 48 01.00 1.6
NEW 35.19 338 eP 48 06.00 -1.5
1.0s 21.50nm 5.0mb
DPW 35.25 337 ePc 48 07.76 -0.3
SES 35.34 346 eP 48 09.00 0.3
1.1s 57.00nm 5.3mb
LON 35.84 332 ePc 48 13.03 0.0
BMW 36.27 331 ePc 48 16.86 0.2
BNH 36.36 34 eP 48 17.38 0.0
RMW 36.38 333 ePc 48 17.11 -0.5
GMW 36.88 333 ePc 48 21.10 -0.6
PNT 36.98 337 ePc 48 22.00 -0.5
0.9s 66.00nm 5.4mb
MCW 37.76 334 eP 48 29.29 0.2
PGC 38.00 333 eP 48 32.00 1.0
LMN 40.71 37 eP 48 55.50 1.8
FCC 42.41 4 ePc 49 09.00 1.6
ZOBO 44.30 136 P 49 23.20 -0.8
Z 24s 0.60um 4.4MszX
S 56 10.00
LR 05 04.00
LPB 44.49 136 P 49 22.20 -3.1X
CNCB 44.77 136 eP 49 28.00 0.3
YKA 47.37 350 eP 49 46.10 -1.0
0.9s 17.90nm 5.2mb
SIV 49.11 129 P 49 59.60 -1.6
BALM 54.33 336 ePc 50 40.22 0.1
KLU 56.02 335 ePc 50 52.24 -0.1
TOA 56.45 335 eP 50 55.00 -0.4
PMR 57.40 334 eP 51 01.50 -0.6
0.8s 29.40nm 5.4mb
Z 20s 1.00um 4.9Msz
FBA 58.54 338 eP 51 10.00 -0.1
0.8s 34.40nm 5.5mb
GDH 59.75 17 ePc 51 17.00 -1.3
e 55 05.00
e 04 20.00
e 06 10.00
SVW 60.03 332 eP 51 19.40 -1.0
MBC 60.82 354 ePc 51 25.00 -0.5
1.2s 53.00nm 5.5mb
TTA 60.88 334 eP 51 25.10 -1.2
IMA 61.26 338 eP 51 27.90 -1.0
ANM 65.35 334 eP 51 55.09 -0.6
PDCR 65.50 112 eP 51 56.60 -0.8
AKU 71.28 26 iP 52 34.30 1.8
0.9s 26.89nm 5.4mb
VAL 76.29 40 iP 53 02.10 0.2
DCN 77.82 38 iPc 53 10.20 -0.2
1.0s 46.00nm 5.5mb
DMU 77.93 37 iPc 53 10.90 -0.1
0.9s 67.00nm 5.8mb
DLF 78.27 38 iPc 53 12.60 -0.3
0.8s 47.00nm 5.6mb
ECB 78.31 39 eP 53 13.10 0.0
0.9s 104.00nm 5.9mb
ETA 78.58 38 eP 53 14.70 0.1
ECP 78.59 39 eP 53 14.60 0.0
0.8s 95.00nm 5.9mb
EKA 79.75 35 Pc 53 20.60 -0.3
0.8s 13.90nm 5.0mb
EPLA 81.55 51 eP 53 31.00 0.2
GUD 82.82 50 eP 53 38.00 0.5
EJIF 82.93 54 eP 53 39.50 1.5
LPF 82.94 42 iPc 53 37.80 0.0
1.0s 34.60nm 5.5mb
GRR 82.96 42 iPc 53 38.20 0.3
0.8s 25.00nm 5.5mb
FLN 83.09 41 iPc 53 38.90 0.3
0.8s 17.85nm 5.3mb
Z 18s 0.65um 5.0Msz
TOL 83.10 51 eP 53 39.50 0.6

KDS 83.17 79 eP 53 40.50 0.9
LDF 83.37 41 iPc 53 40.20 0.2
1.1s 28.55nm 5.4mb
MFF 83.94 43 iPc 53 43.10 0.1
1.8s 69.90nm 5.6mb
ECOG 84.17 53 eP 53 45.50 1.0
PET 84.47 324 eP 53 46.00 0.6
Z 20s 45.00um 6.9MszX
eS 04 14.00
EHUE 84.77 52 eP 53 48.00 0.6
KONO 84.88 29 eP 53 48.50 1.2
NB2 85.03 27 P 53 48.70 0.5
1.0s 12.20nm 5.1mb
LFF 85.04 45 iPc 53 48.80 0.3
1.0s 24.00nm 5.4mb
EGRA 85.15 48 eP 53 52.00 2.9X
LSF 85.15 43 iPc 53 48.90 -0.2
1.0s 18.40nm 5.3mb
EPF 85.36 47 iPc 53 50.60 0.4
1.2s 50.60nm 5.6mb
LPO 85.42 45 iPc 53 50.70 0.3
1.1s 27.10nm 5.4mb
RJF 85.45 44 iPc 53 50.60 0.1
1.0s 35.60nm 5.5mb
Z 19s 0.28um 4.7Msz
TCF 85.59 43 iPc 53 51.30 0.0
1.0s 30.40nm 5.4mb
MGD 85.74 332 eP 53 52.00 0.3
1.0s 30.00nm 5.4mb
Z 15s 0.80um 5.2MszX
N 15s 0.50um
E 15s 0.50um
eS 04 24.00
ePS 05 30.00
MAF 85.84 43 iPc 53 52.50 0.0
1.1s 41.50nm 5.5mb
BGF 85.91 43 iPc 53 52.70 -0.2
1.1s 31.25nm 5.4mb
CAF 85.94 44 iPc 53 53.00 0.0
1.2s 22.90nm 5.2mb
SALF 86.03 47 P 53 53.20 -0.4
AVF 86.16 42 iPc 53 53.70 -0.4
1.1s 16.10nm 5.1mb
SSF 86.17 42 iPc 53 53.90 -0.2
1.1s 30.05nm 5.4mb
LOR 86.33 42 iPc 53 54.80 -0.1
1.0s 34.60nm 5.5mb
Z 19s 0.30um 4.7Msz
ENN 86.36 38 eP 53 55.00 0.1
0.8s 29.00nm 5.5mb
WTS 86.42 37 eP 53 56.00 0.9
0.8s 15.00nm 5.2mb
LBF 86.50 42 iPc 53 55.40 -0.4
1.0s 14.60nm 5.1mb
SMF 86.53 42 iPc 53 55.50 -0.4
0.9s 6.40nm 4.8mb
HFS 86.53 28 eP 53 54.40 -1.2
0.8s 3.20nm 4.6mb
Z 17s 0.32um 4.8MszX
LR 26 55.00
HAU 87.63 40 iPc 54 00.80 -0.4
0.8s 8.35nm 5.1mb
Z 19s 0.40um 4.8Msz
BSF 87.98 41 iPc 54 02.30 -0.7
0.9s 5.40nm 4.9mb
CDF 88.05 40 iPc 54 02.60 -0.7
0.9s 3.75nm 4.7mb
MOX 89.72 37 eP 54 09.00 -2.1
1.7s 20.00nm 5.1mb
Z 18s 0.40um 4.9Msz
E 18s 0.20um
e 04 57.00
GRF 89.90 38 iPc 54 12.40 0.4
1.5s 19.00nm 5.1mb
Z 22s 0.30um 4.7Msz
CLL 90.21 36 iPc 54 13.00 -0.3
1.3s 13.00nm 5.0mb
e 55 37.00
BRG 90.94 36 eP 54 16.40 -0.3
1.2s 13.00nm 5.1mb
e 57 53.00
KHC 91.53 37 P 54 19.40 -0.1
1.4s 8.80nm 4.9mb
Z 18s 0.50um 5.0Msz
N 18s 0.30um
E 18s 0.50um
e 54 29.00

e 57 57.00
PRU 91.69 36 P 54 20.20 0.0
GEC2 91.74 38 PKP 54 19.00 -1.6
0.9s 2.27nm 4.5mb
KSP 92.26 35 eP 54 22.50 -0.3
e 58 02.50
YAK 93.04 339 iPc 54 25.00 -1.2
1.1s 45.00nm 5.8mb
Z 16s 0.60um 5.1MszX
E 18s 0.80um
NRI 94.28 358 ePc 54 31.00 -0.7
1.3s 18.00nm 5.3mb
e 58 16.00
MAW 127.46 171 iPKPd 00 17.00 -0.5
1.0s 8.00nm
WRA 129.69 258 PKP 00 28.20 5.0X
0.5s 0.50nm
QUE 131.64 17 ePKP 00 26.30 -0.6
CHG 140.95 333 ePKP 00 40.50 -3.9X
KHT 144.63 330 ePKP 00 48.60 -2.2X
HYB 146.27 5 ePKP 00 52.00 -1.5
SNG 149.78 319 ePKP 01 03.50 4.4X
IPM 151.47 315 ePKPc 01 07.00 5.3X
S.D. = 0.9 on 165 of 177 obs.

JUN 07, 1992 20h 57m 46.53± 0.42s
35.906 N ± 6.6km 31.146 E ± 6.7km
DEPTH = 90.3 ± 19.0 km
CYPRUS REGION (372)

ELL 1.31 310 iPn 58 10.50 0.1
PPCY 1.41 136 eP 58 12.00 0.4
eS 58 38.80
CSS 2.02 117 eP 58 18.50 -1.0
eS 58 49.30
FAM 2.50 110 eP 58 31.60 5.5X
eS 59 10.50
KHL 2.74 332 ePn 58 28.50 -0.9
CIN 2.98 305 eP 58 33.00 0.4
ALT 3.25 346 ePn 58 36.40 0.0
IZM 3.98 310 iPn 58 47.30 0.9
DST 4.20 332 ePn 58 49.40 -0.1
NPS 4.55 264 ePn 58 54.00 -0.4
eSn 59 31.00
ATZ 4.59 131 eP 58 55.10 0.1
eS 59 44.40
KCT 4.86 334 ePn 58 59.00 0.3
ZNT 4.88 137 eP 58 59.20 0.3
eS 59 51.00
DSI 5.58 140 eP 59 09.10 0.4
SAGI 6.39 152 eP 59 19.60 -0.3
eS 00 27.20
VLI 6.68 279 ePn 59 23.30 -0.5
S.D. = 0.6 on 15 of 16 obs.

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* JUN 07, 1992 21h 21m 27.86± 1.09s
24.342 S ± 8.6km 66.917 W ±15.7km
DEPTH = 167.6 ± 10.9 km
4.3mb (1 obs.)
SALTA PROVINCE, ARGENTINA (129)

ANT 3.26 280 iPc 22 19.70 0.0
iS 22 56.50
RTLL 7.10 191 ePd 23 10.40 0.2
CNCB 7.56 352 Pd 23 18.00 1.1
LPB 7.85 352 P 23 21.80 1.2
ZOBO 8.09 352 P 23 24.20 0.2
S 24 54.00
ARE 8.93 330 e(P) 23 33.00 -1.9
eS 25 06.00
SIV 9.95 35 P 23 47.00 -1.0
ULM 78.57 342 eP 33 12.00 0.1
FCC 85.81 346 eP 33 50.50 1.6
YKA 94.47 340 eP 34 28.20 -1.2
0.6s 1.30nm 4.3mb
WB2 131.35 207 iPKPd 40 22.00 -0.3
0.5s 2.90nm
WRA 131.36 207 PKP 40 22.50 0.2
0.5s 1.00nm
S.D. = 1.2 on 12 of 12 obs.

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* JUN 07, 1992 21h 24m 50.83± 0.86s
6.566 S ± 9.8km 147.939 E ± 9.9km
DEPTH = 37.6 ± 11.3 km
4.6mb (4 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.10 238 iPc 24 56.10 -1.0
LAT 0.94 265 iPd 25 07.50 -0.1
YYYY 1.99 279 eP 25 45.00 22.2X
MDG 2.51 301 eP 25 30.00 -0.2
PMG 2.93 195 eP 25 38.00 1.9
eS 26 20.00
MNDI 4.27 275 eP 25 59.00 3.6X
RAB 4.83 61 iPc 26 03.00 -0.1
0.5s 405.63nm
WWKK 5.20 304 eP 26 09.70 1.4
OIS 16.09 209 eP 28 37.00 1.0
WB2 18.73 223 iPd 29 07.00 -2.0
0.4s 11.70nm 4.4mb
RMO 19.83 178 iPd 29 21.70 0.3
0.6s 26.00nm 4.7mb
ASPA 21.71 217 iPc 29 39.90 -0.8
0.5s 26.50nm 4.9mb
iS 33 44.20
STK 25.88 192 eP 30 20.60 -0.3
0.5s 3.80nm 4.2mb
S.D. = 1.3 on 11 of 13 obs.

% JUN 07, 1992 21h 59m 59.78± 3.63s
43.217 N ±17.9km 20.002 E ±21.6km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.7 (TTG).

IVA 0.35 192 iPgd 00 07.03 -0.1
iSg 00 11.93
PLE 0.46 284 iPgc 00 08.94 -0.2
iSg 00 14.99
PVY 0.62 182 iPgc 00 11.80 -0.6
iSg 00 20.74
TTG 0.96 215 iPgc 00 17.44 -0.5
iSg 00 31.79
BRY 1.11 254 iPgc 00 20.41 -0.4
iSg 00 36.91
BDV 1.27 223 iPgc 00 23.66 0.3
iSg 00 42.03
HCY 1.35 236 ePg 00 25.13 0.6
iSg 00 44.63
ULC 1.37 204 iPgc 00 25.78 0.9
iSg 00 45.60
S.D. = 0.6 on 8 of 8 obs.

? JUN 07, 1992 22h 16m 45.38± 0.70s
55.393 N ±15.6km 161.688 E ±21.6km
DEPTH = 33.0km (normal)
4.2mb (6 obs.)
NEAR EAST COAST OF KAMCHATKA (218)

YKA 40.85 45 eP 24 25.70 0.7
0.6s 3.90nm 4.3mb
CHTO 59.29 258 e(P) 26 46.70 0.6
0.6s 0.98nm 4.1mb
NB2 61.59 344 P 27 01.10 -0.2
0.7s 1.20nm 4.1mb
HFS 62.04 343 eP 27 04.00 -0.3
0.4s 0.90nm 4.3mb
WRA 78.56 206 P 28 44.80 0.0
0.6s 1.10nm 4.0mb
ASPA 82.24 206 iPd 29 04.60 0.3
0.9s 7.10nm 4.7mb
SPA 145.21 180 iPKPc 36 18.70 -1.0
1.0s 12.50nm
S.D. = 0.7 on 7 of 7 obs.

JUN 08, 1992 00h 12m 53.03± 0.81s
6.423 S ± 9.6km 147.567 E ± 7.5km
DEPTH = 31.1 ± 8.0 km
4.4mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
ML 4.4 (PMG).

FINC 0.35 124 iPc 13 00.80 -0.4
LAT 0.61 248 iPd 13 05.00 -0.2
YYYY 1.60 276 eP 13 20.90 1.2
MDG 2.13 303 eP 13 25.30 -1.8
PMG 2.99 188 eP 13 40.00 0.6
eS 14 21.00
MNDI 3.89 274 eP 13 54.00 1.6
WWKK 4.81 305 eP 14 05.00 -0.3
RAB 5.09 64 eP 14 10.00 0.8
OIS 16.03 208 eP 16 38.00 0.0
ASPA 21.60 216 iPc 17 41.10 -1.4
0.4s 6.40nm 4.4mb
e 17 45.30
eS 21 42.50
S.D. = 1.3 on 10 of 10 obs.

& JUN 08, 1992 00h 17m 44.99s
60.038 N 153.012 W
DEPTH = 112.3km
3.3mb (1 obs.)
SOUTHERN ALASKA (2)
<AEIC>.

INE 0.03 312 P 17 59.78 0.5
eS 18 12.31
INW 0.07 296 eP 17 59.93 0.7
eS 18 12.32
RED 0.40 17 eP 18 00.94 -0.9
eS 18 13.74
RS1 0.44 17 iP 18 01.38 -0.8
RS2 0.44 16 iP 18 01.39 -0.9
eS 18 15.11
RSO 0.44 17 iP 18 01.36 -0.9
REF 0.48 19 iP 18 01.58 -0.8
DFR 0.58 16 iP 18 02.01 -1.0
RDT 0.62 29 iP 18 02.25 -1.0
AUL 0.69 198 eP 18 03.19 -0.6
AUE 0.71 195 eP 18 02.95 -0.9
AUP 0.71 197 eP 18 03.27 -0.7
AUH 0.71 198 eP 18 03.06 -0.9
AUI 0.74 197 eP 18 03.31 -0.8
eS 18 17.64
HOM 0.79 118 eP 18 03.43 -1.1
eS 18 18.85
NNL 0.86 89 eP 18 05.08 -0.2
CNPM 1.03 119 iP 18 06.02 -1.0
MCNL 1.09 219 iP 18 06.64 -1.0
BKG 1.10 19 iP 18 07.01 -0.8
eS 18 24.00
BRLK 1.11 103 eP 18 06.82 -1.0
CDD 1.16 196 eP 18 07.29 -1.1
eS 18 25.45
CKL 1.21 16 eP 18 08.27 -0.8
eS 18 26.78
SPU 1.24 22 eP 18 08.35 -1.0
CKN 1.26 19 eP 18 08.91 -0.6
BGL 1.27 14 eP 18 09.08 -0.6
CPKM 1.29 17 eP 18 08.78 -1.3
eS 18 28.10
CRP 1.30 19 eP 18 08.88 -1.3
eS 18 27.96
CGLM 1.37 21 eP 18 10.01 -0.8
NCG 1.43 17 eP 18 10.88 -0.8
SYI 1.47 167 eP 18 10.50 -1.4
SLKM 1.47 70 eP 18 10.38 -1.6
SVW 1.68 311 iP 18 12.81 -1.7
SEW 1.79 86 eP 18 13.63 -2.2
SUA 1.81 37 eP 18 15.37 -0.9
eS 18 38.41
SKT 2.08 20 eP 18 18.27 -1.3
PMS 2.09 53 P 18 18.20 -1.5
KDC 2.31 173 eP 18 19.39 -3.2
eS 18 45.99
PLRM 2.46 49 eP 18 21.83 -2.7
PMR 2.46 49 eP 18 22.61 -1.9
KNK 2.63 56 eP 18 24.04 -2.8
GHO 2.65 47 eP 18 24.73 -2.4
CUT 2.72 28 eP 18 26.21 -1.8
SML 2.89 50 eP 18 27.60 -2.8
HIN 3.27 81 eP 18 32.92 -2.5
KTH 3.66 15 eP 18 38.85 -2.0
KLU 3.77 64 eP 18 38.86 -3.4
iS 19 20.43
FBA 5.45 24 eP 19 00.64 -4.4
YKA 18.44 66 eP 21 50.40 -3.7
0.4s 0.70nm 3.3mb
48 obs. associated

JUN 08, 1992 00h 25m 59.12± 0.29s
28.501 N ± 5.1km 94.050 E ± 3.3km
DEPTH = 10.0km (geophysicist)
4.5mb (7 obs.)
EASTERN XIJANG-INDIA BORDER REG.(313)

GUN 7.23 267 P 27 47.80 0.0
PKI 7.69 265 P 27 53.60 -0.6
KKN 7.78 267 P 27 55.60 0.3
DMN 7.95 266 P 27 58.20 0.4
GKN 8.32 269 P 28 02.20 -0.6
KMI 8.46 111 eP 28 14.50 9.7X
KMI 8.46 111 eP 28 04.50 -0.3
CHG 10.63 154 eP 28 35.00 0.4
CHTO 10.63 154 eP 28 34.80 0.2
LZH 11.21 45 eP 28 43.00 0.4
GYA 11.38 97 eP 28 44.20 -0.7
WMQ 16.12 343 Pd 29 53.20 5.9X
0.7s 28.00nm 4.5mb
pP 29 58.00
sP 30 02.10
NNT 16.70 160 eP 29 59.60 4.8X
BTO 17.82 43 eP 30 08.20 -0.6
TIY 17.91 54 eP 30 10.60 0.7
KAF 54.85 328 iP 35 32.40 0.9
0.6s 1.90nm 4.3mb
HFS 61.00 326 eP 36 14.60 -0.1
0.6s 4.10nm 4.7mb
Z 17s 0.04um 3.7MszX
LR 00 58.00
WRA 61.93 136 P 36 21.80 0.3
0.5s 1.70nm 4.5mb
WB2 61.93 136 eP 36 21.40 -0.1
0.5s 5.30nm 5.0mb
NB2 62.09 327 P 36 21.70 -0.5
0.5s 1.70nm 4.5mb
ASPA 64.53 139 iPc 36 38.50 -0.1
0.8s 3.30nm 4.6mb
S.D. = 0.5 on 18 of 21 obs.

• JUN 08, 1992 01h 17m 36.68± 4.04s
43.208 N ±17.5km 18.244 E ±25.5km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.1 (TTG).

BRY 0.38 144 iPgd 17 43.90 -0.6
iSg 17 52.80
NKY 0.68 125 iPgd 17 49.74 -0.5
iSg 18 02.55
HCY 0.78 166 iPgc 17 51.29 -0.6
iSg 18 05.60
PLE 0.85 81 iPgd 17 52.35 -0.8
iSg 18 06.42
BDV 1.02 155 iPgd 17 55.99 0.0
iSg 18 14.19
TTG 1.08 136 iPgc 17 57.22 0.3
iSg 18 16.17
IVA 1.26 105 iPgc 18 00.80 0.7
iSg 18 21.37
PVY 1.41 115 iPgc 18 02.98 0.5
iSg 18 26.73
ULC 1.45 149 iPnd 18 03.98 1.0
iSn 18 27.85
S.D. = 0.8 on 9 of 9 obs.

? JUN 08, 1992 01h 24m 48.14± 2.66s
33.647 S ± 7.6km 71.634 W ±23.8km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.9 (SAN).

LCCH 0.18 18 iPd 24 52.70 0.5
iS 25 00.10
LNV 0.36 149 iPd 24 55.50 0.0
iS 25 04.60
ROCH 0.85 38 iP 25 03.60 -1.1
iS 25 20.60
PEL 0.94 58 iPc 25 06.60 0.5
iS 25 24.00
FCH 1.17 75 iPc 25 10.30 0.1
iS 25 31.60
RTLL 3.53 50 eP 25 47.40 3.2X
S.D. = 1.0 on 5 of 6 obs.

• JUN 08, 1992 02h 39m 19.46± 0.84s
23.130 N ±29.3km 94.000 E ±24.2km
DEPTH = 117.3 ± 9.8 km
4.6mb (5 obs.)
MYANMAR-INDIA BORDER REGION (294)

CHG 6.31 132 ePn 40 52.00 0.5
eSg 41 19.00
CHTO 6.31 132 eP 40 51.10 -0.4
GUN 8.74 305 P 41 24.80 -0.1
PKI 8.94 301 P 41 27.40 -0.1
KKN 9.14 302 P 41 29.80 -0.3
DMN 9.19 301 P 41 31.40 0.5

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08d 02h

GKN     9 74 302 P      41 38.00  -0 1
QUE    25 14 292 eP     44 50.50  15.1X
WRA    58 15 134 P      49 03.50   0.1
       0.8s     2.50nm          4.3mb
WB2    58.16 134 iPd    49 02.50  -0.9
       0.3s     9.40nm          5.3mb
WARB   58.32 145 eP     49 05.10   0.6
ASPA   60.55 138 iPc    49 19.70  -0.1
       0.7s     7.00nm          4.8mb
HFS    65.43 327 eP     49 51.80   0.3
       0 6s     4.70nm          4.6mb
NB2    66.58 328 P      49 58.80   0.0
       0.5s     1.00nm          4.0mb
     S.D. = 0.5  on  13 of  14 obs.
-----------------------------------------
* JUN 08, 1992 02h 42m 13.07± 1.39s
  43.018 N ± 8.1km   0.257 E ±14.9km
  DEPTH =  13.2 ±  6.0 km
 FRANCE                            (538)
      ML 3.1 (LDG). Felt in the
      Bigorre District.

EPF     0.06  78 Pg     42 16.80   0.9
                 Sg     42 19.10
ENSF    0.22 165 Pg     42 17.70  -0.5
                 Sg     42 20.20
SALF    0.73 110 Pg     42 26.83  -0.4
GRBF    0.96 100 Pg     42 30.93  -0.1
VDCF    1.61 105 Pg     42 43.97   2.7
LPO     1.80  22 Pg     42 48.10   4.2X
                 Sg     43 12.80
LFF     1.95  10 Pn     42 47.90   1.8
                 Pg     42 51.20
                 Sg     43 16.20
CAF     2.31  34 Pn     42 51.90   0.5
                 Pg     42 57.80
                 Sg     43 27.40
RJF     2.46  21 Pn     42 54.50   1.1
                 Pg     43 00.00
                 Sg     43 31.80
LSF     3.36  15 Pn     43 06.00  -0.2
                 Pg     43 16.50
                 Sg     43 59.70
TCF     3.55  22 Pn     43 09.10   0.1
                 Pg     43 20.10
                 Sg     44 06.10
MFF     3.60 356 Pn     43 09.90   0.3
                 Pg     43 21.10
                 Sg     44 07.20
BGF     3.99  27 Pn     43 13.80  -1.3
                 Pg     43 28.70
                 Sg     44 21.10
AVF     4.37  29 Pg     43 35.60  15.1X
                 Sg     44 31.80
     S.D. = 1.3  on  12 of  14 obs.
-----------------------------------------
   JUN 08, 1992 02h 52m 10.68± 0.68s
   42.150 N ± 7.2km  25.779 E ± 7.2km
   DEPTH =  10.0km  (geophysicist)
 BULGARIA                          (359)
      MD 3.6 (ATH). Felt (IV) in the
      Chirpon-Khoskovo-Dimitrovgrad
      oreo.

DMK     1.51 102 iPn    52 39.30   1.5
MFT     1.77 140 ePn    52 41.50  -0.1
KGT     2.05 145 ePn    52 45.00  -0.6
BUC1    2.20   5 ePd    53 25.00  37.2X
EZN     2.36 170 ePn    52 48.00  -2.0
BNT     2.41 137 ePn    52 51.30   0.5
VAY     2.54 252 iPn    52 47.30  -5.3X
                 iSn    53 26.30
ITU     2.64 112 ePn    53 06.00  12.0X
                 iSg    53 40.00
KCT     2.72 133 ePn    52 55.30   0.1
DRA     2.76 337 ePc    53 02.00   6.3X
PRK     2.92 172 ePn    53 07.80   9.7X
                 eSn    53 43.00
ISR     3.04  10 iPc    53 06.00   6.3X
CMP     3.16 350 ePc    53 17.00  15.5X
HRT     3.21 113 ePn    53 02.50   0.3
SKO     3.24 268 ePn    53 05.50   3.0X
                 i      53 09.40
                 iSg    53 46.50
IZI     3.32 122 iPn    53 03.50  -0.3
DST     3.34 139 ePn    53 04.00   0.0
COZ     3.34 342 eP     53 15.00  10.9X

MLR      3 34   2 iPc    53 02.50  -1.6
KZN      3 54 240 ePn    53 09.00   2.1
VRI      3.78  10 ePd    53 11.00   0.7
OHR      3.87 256 ePn    53 11.00  -0.6
SSR      4.00 314 ePd    53 20.00   6.7X
MDB      4.12 346 ePc    54 18.00  63.1X
BZS      4.59 320 ePc    53 13.50  -8.2X
     S.D. = 1.2  on  13 of  25 obs.
-----------------------------------------
? JUN 08, 1992 03h 29m 34.50± 0.75s
  45.671 N ±25.4km  26.501 E ±16.0km
  DEPTH = 130.0km  (geophysicist)
 ROMANIA                           (358)

VRI      0.25  38 iPd    29 52.00   0.0
CVO      0.27 304 iPc    29 52.50   0.3
BRD      0.42 112 iPd    29 53.50   0.1
MLR      0.43 246 ePc    29 53.00  -0.6
                  e      50 04.00
ISR      0.53 177 iPc    29 54.50   0.4
CFR      1.26 112 iPc    30 00.00  -0.3
     S.D. = 0.5  on   6 of   6 obs.
-----------------------------------------
% JUN 08, 1992 03h 33m 44.16± 0.85s
  39.768 N ± 8.9km  16.167 E ± 7.3km
  DEPTH =  10.0km  (geophysicist)
 SOUTHERN ITALY                    (390)

CSI      0.09  85 P      33 46.10  -0.7
                  eSg    33 47.90
TDS      0.17 129 P      33 47.70  -0.3
                  eSg    33 49.20
MMN      0.18 312 P      33 48.10  -0.1
                  eSg    33 51.90
ORI      0.37  36 P      33 52.00   0.3
                  eSg    33 57.10
ROI      0.37 122 P      33 52.50   0.8
MGR      0.60 308 P      33 56.40   0.2
                  eSg    34 05.70
     S.D. = 0.7  on   6 of   6 obs.
-----------------------------------------
   JUN 08, 1992 03h 38m 56.02± 0.53s
   54.364 N ± 3.8km  158.488 E ± 2.5km
   DEPTH = 181.8 ±  5.7 km
   5.0mb ( 85 obs.)
 KAMCHATKA                         (217)

PET      1.35 176 ePnd   39 28.00   1.0
                  iS     39 52.00
SKR      3.98 202 ePn    39 57.80   0.3
       Z  12s      0.50um
       N  12s      1.00um
       E  12s      1.00um
MGD      7.10 327 ePnc+  40 41.80   3.6X
                  e      41 58.00
SEY      9.13 342 ePnd   41 10.00   5.1X
SMY      9.44  94 (P)    41 09.12   0.1
ADK     15.09  89 eP     42 20.10  -0.9
        1.3s    149.80nm        5.2mb X
YAK     16.87 309 iPd    42 43.00   0.3
        1.2s    450.00nm          5.7mb
                  e      45 50.00
ILT     17.31  30 iPd    42 46.00  -1.7
        1.0s    100.00nm          5.2mb
OFUJ    19.07 224 eP     43 07.20   0.6
YAMJ    20.51 225 eP     43 21.90   0.8
MDJ     21.01 254 eP     43 23.80  -2.3
NIIJ    21.74 226 P      43 33.60   0.4
KAKJ    22.15 222 eP     43 38.60   1.4
MAT     22.66 226 eP     43 43.00   0.8
        0.9s     73.11nm          5.2mb
                  eS     47 31.00
CHJJ    22.76 224 eP     43 43.40   0.3
MTMJ    22.80 227 eP     43 44.50   0.9
IIDJ    23.69 226 eP     43 52.50   0.3
CN2     23.86 257 Pd     43 53.80   0.1
        0.8s     28.00nm          4.9mb
                  epP    44 33.00 204kmX
                  sP     44 51.00
TSRJ    24.47 229 eP     43 59.80   0.4
BOD     24.61 296 iPc    44 02.50   2.0
        0.7s     76.00nm          5.4mb
TTA     24.67  51 iP     44 00.91  -0.3
        0.6s      8.16nm          4.5mb
BRW     25.64  32 eP     44 10.90   1.1
IMA     25.76  44 iPd    44 10.64  -0.6
        0.8s     19.19nm          4.8mb

CIT     26 66 284 eP     44 20.00   0.6
PMR     28.00  54 eP     44 31.70   0.5
FBA     28.22  47 eP     44 32.00  -1.3
        0.8s     28.29nm          5.0mb
TOA     29.29  52 eP     44 43.50   0.6
KLU     29.53  53 eP     44 44.04  -0.9
BALM    31.32  54 eP     45 00.13  -0.5
BJI     31.59 261 eP     45 02.50  -0.6
        1.0s     33.00nm          5.0mb
     E  10s      0.33um
ZAK     33.20 286 eP     45 18.00   1.0
        2.0s     22.00nm          4.5mb
                  e      46 38.00
                  e      47 55.00
TIA     33.68 255 eP     45 20.20  -1.0
MOY     33.87 290 eP     45 23.10   0.4
NRI     34.12 324 ePc    45 22.50  -2.1
        2.0s     52.00nm          4.9mb
BTO     34.81 267 eP     45 31.00   0.1
TIY     35.31 261 Pc     45 34.80  -0.3
MBC     36.25  24 ePd    45 42.80   0.3
        0.5s     15.00nm          4.9mb
XAN     39.92 260 P      46 12.50  -1.0
ELT     40.93 299 iPd    46 21.70   0.2
        1.6s    108.00nm          5.2mb
                  e      47 59.00
                  eS     52 17.80
LZH     41.43 267 eP     46 26.50   0.5
        1.4s    120.00nm          5.3mb
                  PcP    48 20.00
GTA     41.54 274 iPd    46 27.00   0.1
        1.0s     62.00nm          5.1mb
                  PcP    48 20.00
YKA     42.88  43 eP     46 37.50   0.3
        0.8s     19.60nm          4.7mb
UKR     42.97 297 iPd    46 37.70  -0.4
                  i      48 22.20
CD2     45.18 262 P      46 55.40  -0.7
        1.0s     31.00nm          4.8mb
SEM     45.61 299 ePd    46 58.00  -1.2
                  e      47 42.00
                  e      48 46.00
WMQ     45.67 287 P      47 00.00   0.2
        1.4s    130.00nm          5.2mb
                  PcP    48 33.60
                  PP     48 49.30
GYA     46.87 255 P      47 08.00  -1.6
BMW     48.07  65 eP     47 18.55   0.0
PNT     48.15  60 ePc    47 19.00  -0.1
        0.7s      9.00nm          4.4mb
RMW     48.20  64 eP     47 19.67   0.1
DPW     49.80  61 eP     47 31.38  -0.4
KMI     50.14 257 eP     47 34.00  -0.7
        0.8s     30.00nm          4.9mb
SVE     50.71 315 ePd    47 38.00  -0.4
        3.0s     70.00nm          4.7mb
                  e      48 19.80
SES     51.69  55 iPc    47 45.50  -0.5
ARU     51.82 316 ePd    47 46.00  -0.8
        0.6s     40.00nm          5.2mb
LTCM    52.85  71 eP     47 55.11   0.6
FCC     53.08  38 eP     47 57.00   1.0
LSA     53.42 271 P      47 59.50   0.0
ORV     53.65  71 iPc    47 59.97  -0.5
LRM     54.10  60 eP     48 03.60  -0.5
PTI     56.21  62 eP     48 20.10   0.9
TNP     57.05  69 iP     48 24.91  -0.2
        0.7s      9.31nm          4.7mb
CHG     57.25 256 iPd    48 26.00  -0.5
        1.0s     28.00nm          5.0mb
CHTO    57.25 256 iPd    48 25.80  -0.7
        0.8s     20.86nm          5.0mb
                  pP     48 42.80  65kmX
                  PcP    49 20.60
GUN     57.83 274 P      48 28.60  -2.3
        0.6s     26.00nm          5.2mb
DUG     57.90  65 eP     48 31.09   0.1
        0.4s      1.96nm          4.3mb
KAF     57.94 336 iP     48 29.60  -1.1
        0.6s     11.30nm          4.8mb
KKN     58.27 274 P      48 31.60  -2.2
PKI     58.36 274 P      48 32.00  -2.6
GKN     58.49 275 P      48 33.00  -2.2
DMN     58.51 274 P      48 35.40  -0.1
        0.8s     68.00nm          5.5mb
DAU     58.56  64 eP     48 36.12   0.3
ULM     58.64  46 eP     48 36.50   0.7
```

ARUT	59.31	67	eP	48 40.63	-0.2
MSU	59.46	66	eP	48 42.20	0.3
NUR	59.73	336	iP	48 42.00	-1.1
SRU	59.90	64	eP	48 44.78	0.0
MDG	60.34	195	eP	48 28.00	-19.6X
OBN	60.93	326	eP	48 48 00	-3.3X
	1.5s	70.00nm			5.2mb
			e	49 32.00	
UPP	61.90	339	iP	48 56.70	-1.0
NB2	62.05	343	P	48 57.10	-1.6
	0.9s	23.70nm			5.1mb
HFS	62.44	341	eP	48 59.30	-1.9
	0.7s	7.60nm			4.7mb
ALO	65.17	64	eP	49 19.76	0.2
	0.7s	2.56nm			4.2mb
SNG	65.83	247	eP	49 25.00	1.3
OUE	66.92	290	eP	49 29.20	-1.5
KIV	67.86	315	iP	49 35.80	-0.5
EEO	68.20	39	ePc	49 38.00	-0.2
SOC	69.37	317	eP	49 45.00	-0.3
EKA	69.63	349	Pc	49 44.00	-2.7
	0.6s	13.90nm			4.9mb
SIO	69.71	57	e(P)	49 47.00	-0.6
LNO	69.83	56	ePc	49 47.40	-0.8
TUL	69.83	56	ePc	49 47.50	-0.8
	0.6s	8.40nm			4.7mb
GRS	69.94	310	iPd	49 49.00	-0.1
	1.3s	40.00nm			5.0mb
			e	50 08.00	
RLD	70.00	56	ePc	49 48.50	-0.8
OJC	70.18	333	eP	49 49.90	-0.3
			e	49 50.50	
CCM	70.26	52	iP	49 50.51	-0.4
	0.7s	4.42nm			4.3mb
VVO	70.32	57	ePc	49 51.00	-0.2
ACTO	70.40	41	P	49 50.63	-1.0
KSP	70.49	336	iPd	49 51.50	-0.6
	1.0s	27.00nm			5.0mb
WIT	70.65	342	eP	49 54.50	1.6
FVM	70.70	51	eP	49 52.35	-1.1
	0.4s	22.85nm			5.3mb
WLVO	70.76	40	P	49 52.82	-0.9
CLL	70.82	338	iPd	49 53.70	-0.3
	1.3s	83.00nm			5.3mb
			e	50 11.00	
TYNO	70.91	41	P	49 53.68	-1.0
UZH	70.94	331	eP	49 53.50	-1.2
	1.0s	45.00nm			5.2mb
			e	50 16.80	
BRG	71.02	337	iPd	49 54.80	-0.4
	1.1s	23.00nm			4.9mb
WTS	71.41	342	eP	49 58.00	0.5
	0.8s	44.00nm			5.3mb
DMU	71.43	351	iPc	49 57.50	-0.1
	1.0s	102.00nm			5.5mb
PRU	71.70	336	Pd	49 59.00	-0.3
MOX	71.74	339	ePd	49 59.40	-0.1
	1.3s	42.00nm			5.0mb
DLF	71.99	351	iPc	50 00.70	-0.2
	1.0s	174.00nm			5.7mb
HOF	72.00	338	iPc	50 01.40	0.3
	1.0s	20.00nm			4.8mb
DCN	72.01	351	iPc	50 00.90	-0.1
VRI	72.08	327	eP	50 00.00	-1.5
LST	72.21	52	eP	50 02.15	-0.3
ETA	72.55	350	eP	50 04.10	-0.1
BNH	72.72	35	eP	50 04.79	-0.5
GRF	72.73	338	iPd	50 05.80	0.5
	1.1s	53.00nm			5.2mb
KHC	72.73	337	Pd	50 05.80	0.4
	1.2s	27.50nm			4.9mb
			e	50 13.50	
ENN	72.75	342	eP	50 05.50	0.1
	1.0s	81.00nm			5.4mb
WET	72.88	337	iPd	50 06.90	0.7
	0.8s	33.00nm			5.1mb
MEM	72.89	342	iPd	50 06.29	0.2
ECB	72.93	351	eP	50 06.40	0.0
ECP	73.08	350	eP	50 07.40	0.2
LMN	73.61	30	ePc	50 11.60	1.2
FUR	74.16	338	iPc	50 14.30	0.7
	1.1s	48.00nm			5.1mb
BHG	74.22	337	iPc	50 14.90	1.0
KBA	74.71	336	iPd	50 17.90	0.9
	1.0s	105.00nm			5.5mb
			ic	50 18.20	
TBR	74.71	39	iP	50 16.07	-0.8
CDF	74.76	341	iPd	50 17.30	0.2
	1.1s	67.15nm			5.3mb
CTA	74.89	192	P	50 18.79	0.8
WTTA	74.93	337	iPd	50 18.80	0.5
	0.5s	12.70nm			4.9mb
SLE	75.13	340	ePd	50 19.10	-0.1
PTJ	75.16	334	iP	50 19.50	0.0
HAU	75.32	341	iPd	50 20.30	0.0
	0.7s	23.35nm			5.0mb
BSF	75.40	341	iPd	50 20.60	-0.2
	1.0s	29.40nm			5.0mb
ZLA	75.42	340	ePd	50 20.90	0.0
FLN	75.73	346	iPd	50 22.10	-0.4
	0.9s	32.90nm			5.1mb
OSS	75.81	338	ePd	50 23.90	0.7
CVL	75.84	43	eP	50 23.02	-0.2
LDF	75.84	346	iPd	50 22.80	-0.3
	1.1s	25.15nm			4.9mb
LLS	75.88	339	ePd	50 23.90	0.3
CBN	76.07	42	e(P)	50 24.00	-0.6
CTI	76.08	337	P	50 24.20	-0.4
VDL	76.14	339	ePd	50 25.80	0.7
GRR	76.15	346	iPd	50 24.70	-0.1
	1.1s	64.45nm			5.3mb
DZM	76.43	172	iPc	50 27.40	0.7
LOR	76.49	343	iPd	50 26.80	0.0
	0.8s	30.20nm			5.1mb
LPF	76.52	346	iPd	50 27.10	0.2
	1.2s	43.15nm			5.1mb
PLE	76.60	331	iPd	50 28.03	0.4
TMA	76.63	339	ePd	50 27.80	0.0
SSF	76.75	343	iPd	50 28.30	0.1
	0.8s	20.15nm			4.9mb
MDI	76.77	338	Pd	50 27.90	-0.3
WB2	76.85	203	iPc	50 28.30	-0.7
	0.6s	5.80nm			4.5mb
WRA	76.85	203	P	50 28.60	-0.4
	0.5s	2.60nm			4.2mb
MMK	76.87	339	ePd	50 29.80	0.6
IVA	76.88	330	iPd	50 29.15	0.1
DIX	76.96	340	ePd	50 30.30	0.6
AVF	77.04	343	iPd	50 30.10	0.3
	1.0s	49.00nm			5.2mb
EMS	77.07	340	ePd	50 30.60	0.4
PVY	77.11	330	iPd	50 30.13	-0.3
NKY	77.19	331	iPd	50 30.14	-0.7
SKO	77.24	329	iP	50 30.70	-0.3
BRY	77.24	331	iPd	50 30.35	-0.8
BGF	77.35	343	iPd	50 31.80	0.3
	0.8s	16.50nm			4.8mb
CEH	77.38	45	iP	50 31.97	0.2
	0.6s	21.95nm			5.1mb
TTG	77.47	330	iPd	50 31.65	-0.5
VAY	77.48	328	iP	50 32.50	0.2
RSL	77.49	340	P	50 33.22	0.7
PRM	77.54	48	eP	50 31.60	-1.2
LSD	77.61	340	P	50 34.43	1.2
LPG	77.65	340	iPd	50 34.80	1.2
	0.8s	81.95nm			5.5mb
HCY	77.67	331	iPd	50 32.34	-1.0
TCF	77.72	343	iPd	50 34.00	0.4
	1.1s	30.50nm			4.9mb
MAF	77.73	343	iPd	50 34.30	0.7
	0.9s	29.95nm			5.0mb
BDV	77.73	331	iPd	50 32.90	-0.7
BOB	77.78	338	P	50 34.90	0.9
MFF	77.79	345	iPd	50 34.30	0.4
	1.1s	38.85nm			5.0mb
LSF	77.87	344	iPd	50 34.70	0.3
	0.9s	28.35nm			5.0mb
RSP	77.88	340	P	50 34.43	-0.2
ULC	77.90	330	iPd	50 33.84	-0.8
SFI	78.04	336	P	50 36.60	1.4
MME	78.05	337	P	50 37.10	1.4
BNI	78.09	340	P	50 36.90	1.1
BHB	78.18	340	P	50 35.35	-0.7
PCP	78.19	339	P	50 36.38	0.1
RRL	78.20	340	P	50 37.81	1.3
OHR	78.22	329	ePd	50 36.10	-0.3
	0.8s	63.00nm			5.4mb
SSB	78.29	342	P	50 37.37	0.6
CRE	78.29	336	P	50 37.60	0.8
CKI	78.36	339	P	50 37.20	0.1
DOI	78.50	339	P	50 37.00	-1.0
PZZ	78.53	340	P	50 37.81	-0.4
ROB	78.57	339	P	50 38.32	0.0
ASS	78.64	335	P	50 39.30	0.6
ENR	78.73	339	P	50 38.12	-1.1
STV	78.74	339	P	50 38.12	-1.1
RJF	78.79	344	iPd	50 39.90	0.5
	1.1s	26.35nm			4.9mb
IMI	78.94	339	P	50 40.37	0.1
CAF	79.07	343	iPd	50 42.10	1.2
	0.9s	25.90nm			5.0mb
SBF	79.08	339	iPd	50 41.30	0.3
	1.0s	87.60nm			5.4mb
SGS	79.10	47	eP	50 41.39	0.2
LFF	79.27	344	iPd	50 42.90	0.9
	1.1s	40.05nm			5.1mb
LPO	79.45	344	iPd	50 43.90	1.0
	0.9s	36.35nm			5.1mb
FRF	79.53	340	iPd	50 43.80	0.4
	1.2s	50.60nm			5.1mb
SDI	79.63	334	P	50 44.10	0.1
LRG	79.69	340	iPd	50 45.00	0.8
	0.8s	49.05nm			5.3mb
HRI	79.78	314	eP	50 45.10	0.1
LMR	79.78	340	iPd	50 43.30	-1.4
	1.0s	69.00nm			5.3mb
PGF	80.00	338	iPd	50 46.20	0.2
	0.6s	15.60nm			4.9mb
SGO	80.31	332	P	50 47.50	0.0
ORI	80.46	331	P	50 49.50	1.1
ASPA	80.54	203	iPd	50 48.30	-0.6
	0.8s	12.50nm			4.7mb
			i	51 37.70	
MML	80.63	314	iPd	50 49.70	0.3
MGR	80.64	332	P	50 49.60	0.3
TDS	80.87	331	P	50 51.20	0.7
LESF	81.04	343	P	50 52.83	1.5
GRBF	81.18	343	P	50 53.44	1.3
EPF	81.20	344	iPd	50 52.70	0.5
	1.1s	21.75nm			4.8mb
PERF	81.29	342	P	50 53.92	1.2
DSI	81.40	314	eP	50 53.40	0.0
ENSF	81.42	344	P	50 55.29	1.8
ETER	81.48	342	iPc	50 55.03	1.4
EMON	81.82	350	eP	50 56.30	0.8
ECRI	82.04	346	eP	50 58.02	1.4
EGRA	82.12	344	iPc	50 58.22	1.3
SOI	82.43	331	P	50 58.10	-0.4
PRNI	82.62	313	iPd	50 59.80	0.0
ERUA	82.84	349	eP	51 00.85	0.2
EROQ	83.34	343	iPd	51 04.32	1.1
ETOR	83.73	345	iPc	51 06.25	0.9
GUD	84.20	347	iPc	51 08.72	1.0
ECHE	84.77	344	eP	51 11.16	0.7
EPLA	85.01	348	iPd	51 12.88	1.2
ACU	85.73	344	eP	51 15.18	-0.1
EVIA	85.93	345	iPc	51 16.97	0.6
EBAN	86.59	346	iPc	51 19.76	0.3
EHUE	86.76	345	eP	51 20.73	0.4
ECOG	87.43	346	eP	51 23.29	-0.3
EJIF	88.50	347	eP	51 29.15	0.5
SPA	144.18	180	iPKPc	58 08.00	-2.1X
	0.6s	20.73nm			

S.D. = 0.8 on 236 of 241 obs.

• JUN 08, 1992 07h 22m 51.71± 1.39s
35.033 N ± 9.0km 28.610 E ±17.7km
DEPTH = 33.0km (normal)
EASTERN MEDITERRANEAN SEA (371)
MD 3.9 (HLW).

ELL	2.01	31	ePn	23 24.50	0.4
CIN	2.60	351	eP	23 32.00	-0.3
KOT	5.77	151	ePn	24 17.50	0.2
			eSn	25 19.00	
HRI	6.17	105	eP	24 22.80	-0.2
JVI	6.43	117	eP	24 26.30	-0.3
MBH	7.46	133	eP	24 41.10	0.1

S.D. = 0.4 on 6 of 6 obs.

? JUN 08, 1992 07h 44m 48.13± 4.77s
9.412 N ±13.6km 82.409 W ±41.9km
DEPTH = 33.0km (normal)
PANAMA-COSTA RICA BORDER REGION (80)

ACR	1.07	225	iPd	45 06.77	0.0
BUS	1.34	276	iPc	45 10.51	-0.6
			eS	45 24.81	
ICR	1.51	292	eP	45 13.44	-0.1
LCR2	1.61	282	eP	45 15.01	0.3
			eS	45 32.71	

08d 07h

OCR 1.73 271 eP 45 16.72 0.4
eS 45 35.76
IISM 17 34 305 (P) 48 49.40 0.0
S.D. = 0.4 on 6 of 6 obs.

JUN 08, 1992 07h 52m 00 57± 1.02s
14.144 N ± 6.9km 92.680 W ± 5.4km
DEPTH = 39.7 ± 8.2 km
4.6mb (17 obs.) 3.6Msz (1 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 0.86 28 iPc 52 17.70 1.4
iS 52 35.56
SCX 2 58 1 iP 52 44.38 3.6X
iS 53 19.50
OXX 4.87 307 iP 53 12.87 -0.7
iS 54 15.00
IISM 6.59 318 iP 53 35.97 -1.6
iS 54 57.00
LVVM 6.63 328 iP 53 33.50 -4.6X
iS 54 53.00
IIT 7.25 313 iP 53 47.37 0.3
ACX 7.43 292 iP 53 49.00 -0.4
PPM 7.51 311 iP 53 52.07 1.1
IIA 7.59 312 eP 53 51.50 0.0
UNM 8.09 311 eP 53 59.00 0.2
COLM 11.68 297 eP 54 46.00 -1.8
CGX 11.70 300 iP 54 47.00 -1.2
MEO 21.23 346 iPd 56 44.90 -0.5
VVO 21.28 353 eP 56 44.70 -1.2
OLY 21.30 3 eP 56 46.96 1.0
FNO 21.45 349 iPd 56 47.80 0.2
FKO 21.45 349 iPd 56 48.40 0.8
OCO 21.72 349 iPc 56 52.50 2.2
SIO 21.76 352 eP 56 50.60 0.0
HBF 21.80 29 (P) 56 51.38 0.3
TUL 21.85 353 eP 56 50.80 -0.8
0.7s 11.60nm 4.4mb
Z 22s 0.29um 3.6Msz
Lg 00 01.70
e 01 01.00
LR 03 55.00
LNO 21.86 353 eP 56 50.10 -1.4
PRM 21.94 23 eP 56 52.48 0.0
SGS 21.96 28 (P) 56 54.83 2.2
RLO 22.03 355 eP 56 51.30 -2.1
GRT 22.22 7 (P) 57 05.83 10.6X
JSC 22.56 25 eP 56 57.98 -0.6
TKL 22.87 19 (P) 57 00.44 -1.2
LHS 22.92 26 eP 57 01.82 -0.2
ACO 23.19 347 iPc 57 05.50 0.7
CCM 23.85 3 eP 57 10.39 -0.7
0.6s 5.06nm 4.2mb
ALQ 24.15 331 eP 57 15.60 1.3
1.0s 11.29nm 4.4mb
CEH 24.85 27 (P) 57 20.81 0.0
NAV 25.39 23 eP 57 24.10 -1.9
GLA 27.57 317 eP 57 46.78 0.7
e 57 52.74
GOL 27.80 339 eP 57 48.09 -0.2
1.3s 11.98nm 4.4mb
PV10 28.15 332 ePd 57 50.59 -0.9
SRU 29.43 331 eP 58 03.28 0.4
PEC 29.64 316 eP 58 05.42 0.7
1.1s 9.14nm 4.4mb
e 58 11.87
MSU 29.78 328 eP 58 06.31 0.2
ARUT 29.91 326 ePc 58 08.38 1.2
EMUT 30.12 331 eP 58 09.86 0.7
DAU 30.81 332 eP 58 15.94 0.7
DUG 31.38 330 (P) 58 20.71 0.6
RSSD 31.41 344 eP 58 20.00 -0.4
0.7s 3.81nm 4.3mb
ISA 31.55 317 eP 58 21.44 -0.1
1.2s 10.24nm 4.5mb
BONR 32.84 321 ePc 58 34.22 1.1
PTI 33.27 333 (P) 58 37.05 0.4
HPI 34.26 333 (P) 58 47.47 2.1
EEO 34.35 17 eP 59 01.50 15.8X
LRM 35.71 336 ePc 58 58.40 0.8
ORV 35.80 320 eP 58 59.70 1.6
ULM 36.10 357 eP 59 00.50 0.0
LBFM 37.13 322 (P) 59 10.02 0.5
ZOBO 38.76 140 P 59 24.00 0.0
Z 24s 0.20um 3.9MszX
LR 11 40.00
LPB 38.97 141 P 59 26.00 0.6
SES 39.12 341 eP 59 26.00 0.1
NEW 39.58 334 eP 59 29.70 0.0
1.3s 20.75nm 4.8mb
DPW 39.74 333 eP 59 31.87 0.8
LON 40.63 329 eP 59 39.06 0.7
RMW 41.11 330 (P) 59 42.76 0.4
e 59 49.70
PNT 41.45 333 ePc 59 46.00 1.0
0.8s 18.00nm 4.9mb
GMW 41.66 329 eP 59 46.82 0.0
MCW 42.46 330 eP 59 53.44 0.1
SIV 43.27 133 P 00 00.60 0.3
FCC 44.55 359 eP 00 11.50 1.4
YKA 50.74 347 eP 00 57.00 -1.3
0.9s 21.30nm 5.1mb
BALM 58.82 334 eP 01 57.64 0 3
PDCR 59.31 114 eP 02 02.20 0.9
KLU 60.56 334 eP 02 09.43 0.2
PMR 61.99 333 eP 02 17.84 -1.0
1.0s 10.97nm 4.9mb
RND 62.62 335 eP 02 22.80 -0.3
FBA 62.85 337 iPc 02 23.32 -1.2
1.0s 19.08nm 5.2mb
MBC 63.69 353 eP 02 30.00 0.2
1.0s 14.00nm 5.0mb
TTA 65.47 333 eP 02 39.22 -2.5
1.0s 9.04nm 4.8mb
IMA 65.57 337 eP 02 40.79 -1.6
1.3s 6.10nm 4.5mb
DCN 76.06 38 eP 03 44.00 -1.6
DMU 76.23 37 eP 03 44.70 -1.9
EKA 78.23 36 Pd 03 56.40 -1.2
0.7s 4.80nm 4.6mb
NB2 84.33 28 P 04 29.70 0.0
1.0s 5.70nm 4.7mb
KIC 86.48 84 (P) 04 44.40 3.2X
CHG 145.31 340 iPKPc 11 36.00 -0.6
1.3s 23.08nm
BDT 146.75 339 ePKP 11 40.00 1.0
HYB 147.47 16 ePKP 11 42.50 2.3X
S.D. = 1.0 on 78 of 84 obs.

• JUN 08, 1992 07h 56m 45.81± 1.29s
25.432 N ± 8.1km 121.465 E ±15.3km
DEPTH = 10.0km (geophysicist)
TAIWAN (244)
ML 3.8 (BJI).

TWZ 0.35 163 ePc 57 25.30 32.3X
TATO 0.45 177 iPd 56 55.20 0.1
eS 57 04.00
TWC 0.89 157 iPc 57 22.40 19.5X
eS 57 30.40
TWO 1.29 207 ePd 57 34.00 24.3X
OZH 2.65 260 iPnd 57 28.50 -0.8
Pg 57 34.60
SSE 5.65 358 Pnd 58 11.50 -0.3
eSn 59 20.50
NJ2 6.98 341 Pc 58 30.30 -0.3
S 59 54.00
GYA 13.36 278 P 59 59.20 1.1
XAN 13.86 311 eP 00 06.40 1.8
TIY 14.45 330 eP 00 15.00 2.6X
CD2 16.53 293 eP 00 37.80 -1.6
S.D. = 1.4 on 7 of 11 obs.

& JUN 08, 1992 09h 10m 14.67s
63.214 N 149.696 W
DEPTH = 106.2km
CENTRAL ALASKA (1)
<AEIC>.

HUR 0.24 173 eP 10 29.02 0.8
TRF 0.36 312 eP 10 30.79 0.1
S 10 42.60
RND 0.43 63 eP 10 30.08 -0.9
MCK 0.62 33 eP 10 32.22 -0.1
KTH 0.65 302 eP 10 32.76 0.2
S 10 46.02
CUT 0.85 198 eP 10 33.93 -0.4
S 10 49.42
WRH 1.45 29 eP 10 40.47 -0.5
GHO 1.49 166 eP 10 41.45 -0.2
S 11 02.59
SKT 1.50 215 eP 10 41.07 -0.6
eS 11 01.39
SML 1.55 155 eP 10 41.60 -0.7
eS 11 02.30
PWA 1.57 183 eP 10 43.45 1.0
PLRM 1.65 171 eP 10 43.57 0.1
CCB 1.66 29 eP 10 43.17 -0.5
SCM 1.77 141 eP 10 44.30 -0.8
DDM 1.81 70 eP 10 45.66 0.0
SUA 1.82 196 eP 10 46.36 0.5
KNK 1.90 162 eP 10 46.31 -0.4
PAX 1.94 95 eP 10 47.08 -0.2
eS 11 11.73
DJE 1.97 64 eP 10 46.99 -0.6
TOA 1.97 123 eP 10 47.36 -0.3
PMS 1.98 178 eP 10 48.44 0.7
SDG 2.02 108 eP 10 47.38 -0.9
NCG 2.15 213 eP 10 50.50 0.4
CKN 2.31 211 eP 10 53.00 0.9
SPU 2.32 210 eP 10 53.09 0.9
S 11 20.94
BGL 2.33 214 eP 10 53.69 1.3
CKL 2.37 213 eP 10 53.89 0.9
PTE 2.38 172 eP 10 53.00 0.1
BKG 2.47 210 eP 10 55.49 1.3
KLU 2.47 133 eP 10 53.95 -0.3
VLZ 2.62 141 eP 10 56.73 0.6
SLKM 2.73 185 eP 10 57.78 0.1
TTA 2.89 267 eP 10 59.79 -0.1
SEW 3.12 178 eP 11 01.30 -1.6
GLB 3.27 120 eP 11 03.98 -1.1
35 obs. associated

• JUN 08, 1992 09h 20m 54.56± 1.14s
43.598 N ± 9.1km 88.277 E ± 8.1km
DEPTH = 29.9 ± 13.0 km
4.2mb (4 obs.)
NORTHERN XINJIANG, CHINA (332)

WMQ 0.48 298 iPgd 21 04.80 0.1
GTA 9.61 112 P 23 13.00 -1.1
LZH 14.10 117 eP 24 15.00 0.5
GUN 15.77 188 P 24 36.20 -0.3
GKN 15.84 192 P 24 38.00 0.9
KKN 15.96 190 P 24 38.20 -0.5
0.4s 11.00nm 4.3mb
PKI 16.16 189 P 24 36.00 -5.4X
HHC 17.45 91 eP 25 00.80 3.4X
1.0s 29.00nm 4.4mb
TIY 19.22 100 eP 25 19.00 0.1
BJI 21.05 90 eP 25 39.00 0.7
QUE 21.60 239 eP 25 51.30 7.2X
HFS 46.25 318 eP 29 21.20 2.8X
0.4s 0.60nm 3.9mb
NB2 47.20 320 P 29 25.70 -0.4
0.8s 1.50nm 4.1mb
S.D. = 0.8 on 9 of 13 obs.

JUN 08, 1992 09h 30m 16.13± 0.16s
81.246 N ± 3.7km 121.270 E ± 2.2km
DEPTH = 31.7km (18 depth phases)
5.1mb (64 obs.) 4.6Msz (8 obs.)
EAST OF SEVERNAYA ZEMLYA, RUSSIA(654)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 40C
Centroid Location:
Origin Time 09:30:16.3 0.3
Lat 81.22N 0.07 Lon 121.13E 0.35
Dep 15.0 FIX Half-duration 1.5
Moment Tensor; Scale 10**16 Nm
Mrr=-5.25 0.26 Mtt= 0.08 0.29
Mff= 5.17 0.33 Mrt=-2.55 1.26
Mrf=-0.95 1.33 Mtf=-2.56 0.28
Principal Axes:
T Val= 6.24 Plg= 0 Azm=247
N 0.34 26 157
P -6.57 64 337
Best Double Couple:Mo=6.4*10**16
NP1:Strike= 1 Dip=51 Slip= -55
NP2: 134 51 -125

BRW 19.56 73 eP 34 42.98 -0.6
MBC 19.70 38 eP 34 44.00 -1.0
1.0s 63.00nm 4.9mb
KEV 22.72 296 iP 35 14.00 -1.7
1.0s 80.00nm 5.2mb
i 35 23.90 37km
TRO 23.91 302 eP 35 27.50 0.3
ANM 24.46 88 eP 35 32.60 -0.1

```
IMA    24.82  76 ePc   35 36.84   0.5
       1.1s    40.40nm          4.9mb
FBA    26.78  71 eP    35 54.65   0.3
       0.7s    37.33nm          5.1mb
TTA    27.43  80 eP    36 01.90   1.5
SVW    29.22  81 eP    36 17.40   0.9
CRP    29.59  78 eP    36 19.41  -0.6
GDH    29.66 356 eP    36 20.00  -0.3
                i      36 31.00  40km
                e      41 15.00
TOA    29.67  72 eP    36 21.60   1.0
PMR    29.73  75 eP    36 20.31  -0.7
       0.8s    12.79nm          4.7mb
KAF    30.01 291 iP    36 22.30  -1.2
       0.6s     3.90nm          4.4mb
KLU    30.29  72 eP    36 25.88  -0.2
SLKM   30.60  76 eP    36 28.21  -0.6
BALM   31.25  69 eP    36 35.28   0.7
AKU    31.64 329 eP    36 47.50   9.8X
       1.8s   109.09nm          5.4mb
NUR    31.79 291 eP    36 17.60 -21.5X
NB2    33.10 303 P     36 49.00  -1.6
       0.6s     4.10nm          4.5mb
YKA    33.35  44 eP    36 51.20  -1.5
       0.8s     4.70nm          4.5mb
HFS    33.66 301 eP    36 53.10  -2.3
       0.5s     1.50nm          4.2mb
ADK.   34.92 107 eP    37 06.40   0.1
       1.6s   230.70nm          5.9mb
OBN    35.23 277 iPc   37 08.50  -0.4
       1.5s   119.00nm          5.6mb
    Z  16s      1.70um          4.9MszX
    N  16s      1.40um
    E  14s      0.80um
                i      37 17.00  29km
                ePP    38 23.00
                e      38 24.50
                e      38 32.00
                e      42 16.00
                e      42 32.00
                eScP   43 16.00
                eSS    44 48.00
FCC    38.90  29 eP    37 41.00   1.3
EKA    40.40 313 P     37 53.00   0.8
       1.1s    16.90nm          4.7mb
BJI    41.38 186 eP    38 02.00   1.7
       1.5s   316.00nm          5.8mb
    Z  16s      1.52um          5.0MszX
    N  11s      0.67um
                ePP    39 44.00
                eS     44 20.00
                eSS    47 26.00
DMU    42.22 316 eP    38 07.00  -0.1
CLL    42.34 298 iP    38 08.00  -0.1
       1.8s    61.00nm          5.0mb
                ipP    38 17.10  31km
KSP    42.34 295 eP    38 08.00  -0.2
       1.1s    29.00nm          4.9mb
                ic     38 17.30  31km
                e      39 44.60
OJC    42.46 291 eP    38 09.40   0.3
       1.4s    87.00nm          5.3mb
                i      38 18.40  30km
WTS    42.49 304 eP    38 10.00   0.7
       1.4s    36.00nm          4.9mb
                e      38 19.00  30km
BRG    42.64 297 iP    38 10.70   0.1
       1.4s    30.00nm          4.8mb
                i      38 19.80  30km
                e      38 38.00
                eS     54 36.00
DLF    42.78 316 eP    38 12.00   0.4
DCN    42.81 316 eP    38 12.00   0.1
MOX    43.18 299 iPc   38 15.70   0.7
       1.8s    79.00nm          5.2mb
    Z  21s      0.40um          4.3Msz
    N  22s      0.40um
                e      38 24.70  30km
                e      40 12.00
PRU    43.42 296 P     38 17.00   0.1
       1.8s    35.90nm          4.8mb
    Z  15s      0.70um          4.7MszX
    N  16s      0.60um
    E  12s      0.50um
                e      38 26.60  32km
                e      40 04.50
HOF    43.47 298 eP    38 18.20   0.9
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ENN    43.80 304 eP    38 20.00   0.0
       1.3s    44.00nm          5.1mb
                e      38 29.00  30km
GRF    44.16 299 iPd   38 23.50   0.5
       1.6s    66.00nm          5.2mb
    Z  22s      0.40um          4.3Msz
                e      38 32.70  31km
KHC    44.39 297 P     38 25.90   1.0
       1.5s    22.30nm          4.8mb
    Z  18s      1.00um          4.8Msz
    N  18s      0.50um
    E  18s      1.00um
                e      38 35.00  30km
                e      40 06 00
WET    44.48 297 iPc   38 26.70   1.2
                i      38 35.60  30km
GEC2   44.66 296 PKP   38 25.80  -1.3
       1.1s     7.53nm          4.5mb
PSZ    44.69 290 ePd   38 28.10   0.7
MAT    45.26 161 (P)   38 31.00  -0.9
                eS     45 25.00
SES    45.63  45 ePc   38 35.00   0.3
VRI    45.69 283 ePc   38 36.00   0.8
PNT    45.70  53 eP    38 39.00   3.8X
LZH    45.74 200 Pd    38 37.50   1.6
       1.6s   146.00nm          5.7mb
    Z  16s      1.70um          5.1MszX
    N  15s      1.62um
                pP     38 47.50  34km
                sP     38 51.00
                PcP    40 12.00
                PP     40 25.00
                eS     45 28.00
WLS    45.93 302 P     38 37.39   0.3
CDF    45.94 302 P     38 37.23   0.0
ECH    46.15 302 P     38 39.48   0.7
LIBD   46.16 302 P     38 39.86   1.1
UZD    46.18 291 eP    38 39.80   0.8
MLR    46.18 284 eP    38 39.00  -0.2
VITF   46.30 303 P     38 40.68   0.7
FEL    46.37 301 P     38 41.05   0.4
KBA    46.44 296 iPd   38 42.30   1.0
       1.5s    72.20nm          5.4mb
                i      38 51.70  31km
HAU    46.46 303 eP    38 41.40   0.1
       1.0s    19.00nm          5.0mb
    Z  20s      0.63um          4.6Msz
WTTA   46.49 298 iPd   38 42.10   0.4
       1.7s    73.00nm          5.4mb
                i      38 51.60  32km
MOF    46.51 302 P     38 42.15   0.4
FLN    46.56 309 eP    38 41.20  -0.8
       0.8s    17.05nm          5.1mb
    Z  17s      0.47um          4.5MszX
BSF    46.57 302 eP    38 42.00  -0.3
       0.8s     8.85nm          4.8mb
LDF    46.68 309 eP    38 42.20  -0.8
       0.8s    14.90nm          5.0mb
BBS    46.84 302 P     38 44.84   0.5
GRR    46.97 309 eP    38 44.50  -0.8
       1.0s    16.80nm          5.0mb
FVI    46.99 297 P     38 46.60   1.2
NEW    47.04  51 ePd   38 46.79   0.9
       1.0s    36.50nm          5.3mb
GMW    47.04  56 eP    38 47.05   1.2
LOMF   47.04 302 P     38 46.37   0.4
ULM    47.21  32 eP    38 48.00   0.9
RMW    47.25  55 eP    38 48.01   0.4
LPF    47.35 310 eP    38 47.80  -0.4
       0.9s    17.35nm          5.1mb
LOR    47.50 305 eP    38 48.90  -0.6
       0.9s    21.15nm          5.2mb
    Z  19s      0.70um          4.6Msz
SSF    47.75 305 eP    38 50.90  -0.5
       0.9s    19.50nm          5.1mb
LBF    47.77 305 eP    38 51.00  -0.6
       0.8s    19.35nm          5.2mb
LON    47.95  56 eP    38 53.53   0.5
AVF    48.03 305 eP    38 53.20  -0.4
       1.1s    24.90nm          5.2mb
BMW    48.04  57 eP    38 54.56   0.8
SMF    48.12 305 eP    38 53.70  -0.6
       0.9s    14.90nm          5.0mb
BGF    48.33 306 eP    38 55.60  -0.3
       1.1s    38.85nm          5.3mb
MFF    48.65 308 eP    38 58.10  -0.3
       1.0s    20.00nm          5.1mb
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TCF    48.67 306 eP    38 58.20  -0.4
       0.9s    20.00nm          5.1mb
MAF    48.69 306 eP    38 58.40  -0.3
       1.4s    38.35nm          5.2mb
LSF    48.79 307 eP    38 59.00  -0.5
       0.9s    15.05nm          5.0mb
LPL    48.86 302 eP    39 00.60   0.3
       0.8s     7.95nm          4.8mb
LPG    48.87 302 eP    39 00.90   0.4
       1.0s    18.40nm          5.1mb
VGB    49.29  55 eP    39 04.35   0.9
BNI    49.32 302 P     39 04.10   0.4
RJF    49.72 307 eP    39 06.50  -0.2
       0.9s    18.65nm          5.1mb
    Z  19s      0.57um          4.6Msz
LRM    49.98  47 eP    39 09.60   0.6
CAF    50.03 306 eP    39 09.30   0.2
       1.3s    34.30nm          5.2mb
MAIO   50.13 248 iPd   39 11.20   1.2
                eS     46 32.00
LFF    50.18 307 eP    39 10.30   0.2
       1.3s    39.00nm          5.3mb
SSE    50.26 180 Pd    39 11.00   0.2
       1.0s    18.00nm          5.0mb
    Z  18s      0.60um          4.6Msz
    N  12s      0.50um
    E  12s      0.30um
SKO    50.29 287 iP    39 10.20  -0.8
LPO    50.38 307 eP    39 11.80   0.2
       0.9s    17.05nm          5.0mb
VAY    50.76 286 eP    39 15.00   0.4
FRF    50.79 301 eP    39 14.20  -0.6
       1.1s    33.95nm          5.2mb
OHR    51.23 288 eP    39 16.80  -1.4
HPI    51.99  48 P     39 20.23  -4.1X
EPF    52.11 307 eP    39 24.10  -0.8
       0.8s    11.80nm          4.9mb
RSSD   52.56  40 ePc   39 28.50   0.0
       1.9s    72.02nm          5.3mb
EMON   52.60 314 eP    39 28.60   0.1
LMN    53.11   5 eP    39 34.00   1.8
LBFM   53.25  57 eP    39 33.67   0.0
ERUA   53.61 314 eP    39 36.00   0.1
HVU    53.94  48 eP    39 38.97   0.4
ETOR   54.58 309 eP    39 43.50   0.3
GUD    55.00 311 eP    39 46.00  -0.3
ORV    55.07  57 eP    39 46.49  -0.2
QUE    55.13 239 eP    39 47.30  -0.1
GUN    55.20 219 P     39 47.20  -1.0
GKN    55.23 220 P     39 46.80  -1.4
NDI    55.35 228 eP    39 48.00  -0.8
KKN    55.38 219 P     39 48.20  -1.1
DAU    55.46  47 ePc   39 50.45   0.5
DUG    55.50  49 ePc   39 50.04   0.1
       0.8s     6.86nm          4.7mb
DMN    55.58 219 P     39 49.60  -1.2
PKI    55.59 219 P     39 49.00  -1.9
ECHE   55.66 308 eP    39 52.00   1.0
TOL    55.74 311 eP    39 52.50   1.0
EPLA   55.79 312 eP    39 52.00   0.1
EMUT   56.10  47 eP    39 54.88   0.4
HRI    56.66 271 eP    39 58.30  -0.1
KMI    56.71 200 Pd    39 58.50  -0.4
       1.5s   160.00nm          5.8mb
    Z  16s      1.30um          5.1MszX
    N  15s      1.30um
    E  15s      0.60um
                pP     40 26.00 114kmX
GLD    56.77  42 eP    40 00.00   0.8
EVIA   56.78 309 eP    39 59.80   0.6
SRU    56.83  47 ePc   39 59.27  -0.4
BONR   57.05  54 ePc   40 01.96   0.6
TNP    57.06  53 eP    40 01.60   0.3
       0.9s     6.79nm          4.7mb
MSU    57.23  49 eP    40 03.01   0.5
ARN    57.24  57 eP    40 02.51   0.2
EBAN   57.40 310 eP    40 04.00   0.6
EHUE   57.61 309 eP    40 06.50   1.5
PV10   57.72  46 eP    40 06.40   0.4
ARUT   57.80  50 eP    40 06.40   0.0
EHOR   57.91 311 eP    40 07.00   0.1
JVI    58.04 271 eP    40 07.70  -0.3
EVAL   58.32 313 eP    40 10.00   0.2
PKEM   58.69  56 (P)   40 13.15   0.7
EPRU   58.76 311 eP    40 14.20   1.3
MAL    58.90 310 iPc   40 14.50   0.7
EJIF   59.29 311 eP    40 17.50   0.9
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08d 09h

CCM 59.69 29 eP 40 16.51 -2.9
1.2s 14 11nm 5.0mb
MBH 60.23 271 eP 40 22.50 -0.7
CBN 60.38 17 eP 40 23.00 -1.0
ACO 60.38 37 iPc 40 23.90 -0.2
CVL 60.55 18 eP 40 24.01 -1.2
RLO 61.27 33 eP 40 28.40 -1.7
ALQ 61.39 44 ePc 40 31.13 -0.1
0.8s 8.83nm 4.9mb
LNO 61.46 34 eP 40 29.70 -1.6
TUL 61.46 34 eP 40 29.90 -1.5
1.7s 44.20nm 5.3mb
Z 18s 0.34um 4.5Msz
LR 01 02.00
SIO 61 58 34 e(P) 40 32.20 0.0
VVO 62.03 34 eP 40 32.50 -2.8
OLY 62.21 30 eP 40 35.76 -0.7
GLA 62.31 52 eP 40 36.87 -0.3
MEO 62.33 37 iPd 40 36.60 -0.7
TKL 62.58 23 eP 40 37.03 -1.9
AVE 62.63 313 eP 40 58.00 18.8X
CHG 63.19 204 iPd 40 42.30 -0.8
1.6s 66.67nm 5.5mb
CHTO 63.19 204 iP 40 42.40 -0.6
1.5s 41.10nm 5.3mb
pP 40 52.60 33km
PcP 41 20.30
JSC 64.10 21 eP 40 47.94 -0.9
PRM 64.23 22 (P) 40 48.84 -0.9
TIO 64.95 312 iPc 40 55.00 0.4
NNT 69.32 203 eP 41 22.80 0.8
SNG 74.64 201 eP 41 55.20 1.6
BCAO 87.58 283 iPc 43 02.40 0.5
0.7s 45.00nm 5.9mb
KIC 88.90 306 (P) 43 09.30 1.1
LIC 89.07 307 (P) 43 10.70 1.7
CSY 147.45 188 ePKP 49 57.30 3.8X
0.5s 5.60nm
MAW 151.88 224 iPKPc 50 08.00 7.7X
1.0s 17.00nm
MAW 151.88 224 iPKP 50 16.80 16.5X
1.0s 16.00nm
S.D. = 0.9 on 165 of 173 obs.

• JUN 08, 1992 10h 20m 20.67± 0.76s
6.708 S ±16.1km 147.325 E ± 5.9km
DEPTH = 10.0km (geophysicist)
4.1mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
ML 4.0 (PMG).

LAT 0.33 280 iPd 20 26.30 -1.1
FINC 0.54 80 eP 20 31.00 -0.5
YYYY 1.43 289 eP 20 47.50 0.8
eS 21 08.00
PMG 2.69 184 eP 21 10.00 5.2X
eS 21 43.00
MNDI 3.69 278 eP 21 20.00 0.9
WWKK 4.79 310 eP 21 39.00 4.3X
RAB 5.43 63 e(P) 21 44.00 0.3
MTN 17.08 248 eP 24 20.20 -1.0
0.4s 160.00nm 5.5mb X
eS 25 40.00
ASPA 21.23 216 iPd 25 10.00 0.8
0.8s 7.60nm 4.1mb
S.D. = 1.1 on 7 of 9 obs.

? JUN 08, 1992 11h 03m 09.41± 0.94s
48.067 N ± 8.7km 7.454 E ± 6.9km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.3 (LDG).

CDF 0.37 341 Pg 03 16.90 -0.1
Sg 03 21.90
FEL 0.42 117 ePn 03 18.07 0.0
BSF 0.50 242 Pg 03 19.50 -0.1
Sg 03 26.40
HAU 0.74 266 Pg 03 24.20 0.2
Sg 03 33.80
S.D. = 0.2 on 4 of 4 obs.

? JUN 08, 1992 11h 06m 42.04± 5.67s
27.868 N ±11.9km 144.482 E ±82.4km
DEPTH = 33.0km (normal)
4.1mb (1 obs.)
BONIN ISLANDS REGION (212)

KAKJ 9.08 337 P 08 54.60 0.8
CHJJ 9.39 332 P 08 57.60 -0.5
IIDJ 9.43 325 P 08 59.70 1.1
MAT 10.15 330 eP 09 07.00 -1.5
0.6s 6.67nm 5.1mb X
(S) 10 57.00
MTMJ 10.36 329 P 09 11.70 0.1
NIIJ 10.42 335 P 09 12.30 0.0
CHTO 42.57 268 eP 14 36.80 0.1
0.9s 3.62nm 4.1mb
GUN 51.34 285 P 15 46.40 0.4
PKI 51.83 284 P 15 49.60 -0.1
KKN 51.88 285 P 15 50.00 0.1
DMN 52.08 285 P 15 50.80 -0.7
GKN 52.38 285 P 15 53.80 0.2
S.D. = 0.7 on 12 of 12 obs.

• JUN 08, 1992 11h 07m 30.50± 0.99s
28.135 N ±10.6km 142.553 E ±13.4km
DEPTH = 27.6km (2 depth phases)
4.7mb (13 obs.) 4.2Msz (3 obs.)
BONIN ISLANDS REGION (212)

MAT 9.15 337 (P) 09 43.00 -0.7
0.7s 13.70nm 5.3mb
eS 11 25.00
MDJ 19.44 331 eP 11 57.90 0.2
1.0s 55.00nm 4.8mb
SNY 20.64 316 eP 12 09.50 -0.8
sP 12 15.80
CN2 20.82 323 P 12 12.80 0.6
1.2s 19.00nm 4.4mb
Z 18s 0.93um 4.2Msz
N 15s 0.33um
E 15s 0.30um
epP 12 20.50 28km
eS 16 06.00
NJ2 20.86 287 Pd 12 13.00 0.3
1.0s 30.00nm 4.7mb
sP 12 22.00
WHN 24.68 282 eP 12 51.20 0.8
BJI 24.77 305 eP 12 51.50 0.4
Z 18s 0.71um 4.2Msz
CGP 25.83 224 eP 13 01.00 -0.3
TIY 26.93 299 eP 13 13.90 2.5
Z 20s 0.63um 4.2Msz
N 15s 0.46um
XAN 29.31 290 P 13 32.10 -0.9
GYA 31.87 276 P 13 55.80 0.1
LZH 33.56 294 eP 14 10.00 -0.4
1.5s 28.00nm 5.0mb
CD2 33.76 284 iPd 14 10.10 -2.0
KMI 35.61 275 eP 14 29.00 0.8
1.4s 60.00nm 5.3mb
pP 14 37.00 27km
GTA 36.95 299 eP 14 39.00 -0.3
1.0s 50.00nm 5.3mb
Z 14s 0.58um 4.5MszX
CHTO 40.88 267 iP 15 12.40 0.4
0.9s 7.67nm 4.4mb
WMQ 46.24 305 P 15 54.50 -0.7
NDI 56.79 287 eP 17 14.00 -0.7
POO 63.09 278 iPd 18 07.10 9.0X
MBC 64.80 15 eP 18 09.00 0.5
1.0s 2.00nm 4.2mb
TOO 65.42 177 iPd 18 15.60 2.8X
OBN 75.86 325 eP 19 16.80 1.0
1.0s 25.00nm 5.2mb
e 19 17.50 2kmX
KAF 76.68 334 eP 19 20.00 -0.3
NUR 78.28 333 eP 19 32.00 2.9X
SES 78.42 39 eP 19 32.00 1.8X
HFS 82.60 337 eP 19 51.70 -0.5
0.5s 1.30nm 4.3mb
Z 16s 0.04um 3.8MszX
LR 52 55.00
NB2 82.77 338 P 19 53.30 0.2
0.8s 2.90nm 4.4mb
GEC2 90.79 329 Pd 20 32.20 -0.3
0.9s 1.85nm 4.4mb
S.D. = 0.9 on 24 of 28 obs.

& JUN 08, 1992 11h 18m 14.98s
37.638 N 118.958 W
DEPTH = 7.9km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 2.5 (GM).

BONR 0.61 58 eP 18 26.76 -0.5
TNP 1.45 72 ePn 18 42.30 0.6
KVN 1.56 25 (P) 18 43.96 0.7
ISA 2.01 169 iPc 18 51.56 1.9
iS 19 17.86
ARN 2.07 263 eP 18 52.25 1.8
eS 19 19.30
ORV 2.76 315 (P) 19 05.84 5.5
6 obs. associated

& JUN 08, 1992 11h 39m 53.65s
33.465 N 116.429 W
DEPTH = 6.9km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.6 (PAS).

PLM 0.38 253 iPc 40 01.01 -0.3
iS 40 07.24
PEC 0.74 305 eP 40 07.21 -1.3
iS 40 17.20
VPD 1.17 288 eP 40 14.52 -1.2
S 40 30.67
SSK 1.29 306 ePn 40 16.82 -1.1
eS 40 33.84
PEM 1.39 301 eP 40 18.35 -1.1
S 40 36.68
GLA 1.40 107 (P) 40 21.72 2.0
MWC 1.55 300 eP 40 21.12 -0.8
S 40 41.09
PVRC 1.65 281 eP 40 22.59 -0.5
CIS 1.65 269 eP 40 21.42 -1.8
9 obs. associated

& JUN 08, 1992 11h 53m 13.64s
36.261 N 120.824 W
DEPTH = 6.4km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.5 (GM).

PHAM 0.55 141 eP 53 24.45 -0.2
PKEM 0.61 109 eP 53 27.25 1.3
ARN 1.23 333 eP 53 37.66 0.9
BCH 1.23 151 eP 53 35.85 -1.1
S 53 53.62
BONR 2.63 49 eP 54 00.68 3.1
5 obs. associated

• JUN 08, 1992 12h 00m 27.61± 0.49s
12.048 N ±11.8km 143.461 E ± 8.9km
DEPTH = 41.2km (3 depth phases)
4.9mb (13 obs.) 4.1Msz (1 obs.)
SOUTH OF MARIANA ISLANDS (210)

GUA 2.05 44 eP 00 59.10 -1.2
GUMO 2.05 42 iPc 00 59.40 -1.0
i 01 00.20
eS 01 23.80
i 01 25.30
PJG 2.05 42 eP 00 59.30 -1.1
ASPA 36.71 195 iPd 07 31.20 -1.6
0.6s 6.10nm 4.7mb
BJI 36.84 324 eP 07 34.50 0.8
Z 18s 0.30um 4.1Msz
DZM 40.72 146 iPc 08 02.60 -3.7X
LZH 42.94 311 eP 08 26.00 1.4
1.4s 28.00nm 4.8mb
CHTO 43.35 285 e(P) 08 26.20 -1.6
0.7s 1.91nm 3.9mb
TOO 49.39 178 eP 09 13.00 -2.3
GUN 55.90 296 P 10 04.40 0.0
0.8s 28.00nm 5.3mb
PKI 56.29 295 P 10 06.60 -0.6
KKN 56.42 295 P 10 07.80 -0.2
DMN 56.56 295 P 10 09.00 -0.1
GKN 57.00 296 P 10 11.80 -0.3
HYB 62.76 283 eP 10 52.50 1.0
SVW 65.66 28 e(P) 11 09.30 -0.4
TTA 66.13 26 eP 11 11.40 -1.4
POO 67.12 285 iPd 11 29.00 9.3X
IMA 68.20 23 eP 11 24.04 -1.8
0.9s 4.19nm 4.5mb
PMR 68.79 28 eP 11 27.73 -1.6
0.8s 12.79nm 5.0mb
BRW 69.20 17 eP 11 30.78 -1.0
epP 11 43.06 42km
FBA 70.19 25 ePd 11 35.79 -2.1
0.9s 8.82nm 4.8mb

KLU 70.26 29 eP 11 37.35 -1.2
TOA 70.27 28 eP 11 39.00 0.5
MAIO 78.15 305 iPc 12 26.80 2.2
MBC 80.09 14 ePd 12 34.30 0.1
0.5s 10.00nm 5.0mb
pP 12 46.00 39km
BMW 83.64 44 eP 12 55.12 1.8
RMW 84.40 43 eP 12 57.63 0.4
LON 84.54 44 eP 12 59.70 1.8
YKA 84.85 27 eP 12 58.00 -1.0
0.6s 4.70nm 4.8mb
PNT 85.43 41 eP 13 04.00 1.8
0.6s 7.00nm 5.0mb
ORV 86.27 51 eP 13 07.47 0.9
epP 13 20.51 44km
DPW 86.68 42 eP 13 08.45 -0.1
NEW 87.29 41 eP 13 11.10 -0.3
1.0s 44.00nm 5.7mb
BCH 88.34 55 eP 13 19.16 2.3
BONR 89.07 51 eP 13 22.28 1.8
TNP 89.87 51 eP 13 24.89 0.8
0.7s 7.32nm 5.1mb
SES 90.45 38 eP 13 28.00 1.6
PEC 91.00 55 eP 13 32.46 3.3X
1.2s 7.48nm 5.0mb
LRM 91.05 43 eP 13 29.10 -0.3
HPI 91.27 45 eP 13 31.32 0.8
KAF 91.54 335 eP 13 30.20 -0.8
GLA 93.11 55 eP 13 41.18 2.3
KIC 143.47 298 PKP 19 57.70 -2.8X
TIC 143.57 299 PKP 20 00.20 -0.5
LIC 143.79 298 PKP 19 59.80 -1.3
ZOBO 149.10 102 PKP 20 12.00 1.5
LPB 149.11 102 PKP 20 14.00 3.8X
S.D. = 1.3 on 43 of 48 obs.

? JUN 08, 1992 12h 11m 00.48± 4.45s
17.561 N ±20.3km 62.869 W ±26.8km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 3.5 (TRN).

BSK 0.21 173 eP 11 04.75 -0.4
SKI 0.26 151 eP 11 06.20 0.2
eS 11 16.23
CPB 1.00 85 eP 11 19.13 -0.2
eS 11 38.85
MGH 1.04 143 eP 11 19.71 -0.5
S 11 39.97
ANG 1.07 112 eP 11 20.66 0.0
eS 11 41.67
BPA 1.09 118 eP 11 20.86 -0.2
S 11 41.70
DOG 1.94 142 eP 11 34.40 0.6
DEG 2.13 125 eP 11 37.06 0.4
S.D. = 0.5 on 8 of 8 obs.

? JUN 08, 1992 12h 28m 11.74± 1.76s
13.478 N ±20.6km 92.644 W ±19.0km
DEPTH = 10.0km (geophysicist)
4.5mb (3 obs.)
OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.47 15 iPc 28 38.10 -0.1
iS 28 52.00
SCX 3.24 0 iP 29 07.50 3.9X
iS 29 43.10
OXX 5.32 313 eP 29 44.00 10.6X
IISM 7.12 321 eP 30 05.00 6.5X
LVVM 7.21 330 (P) 29 59.00 -0.8
ACX 7.74 297 (P) 29 52.00 -15.2X
IIT 7.74 316 (P) 30 01.00 -6.5X
MEO 21.88 347 iPc 33 06.70 0.0
VVO 21.94 353 eP 33 07.70 0.4
TUL 22.52 353 eP 33 13.30 0.3
0.5s 5.70nm 4.3mb
LNO 22.52 353 eP 33 12.90 0.0
RLO 22.69 355 eP 33 14.90 0.2
LRM 36.33 336 eP 35 21.20 3.3X
PNT 42.06 334 eP 36 11.00 5.8X
YKA 51.39 347 eP 37 19.00 0.5
0.7s 4.20nm 4.5mb
MBC 64.35 353 eP 38 50.00 0.5
EKA 78.75 36 P 40 15.00 -1.0
0.6s 2.80nm 4.5mb
S.D. = 0.6 on 10 of 17 obs.

JUN 08, 1992 13h 08m 47.27± 0.53s
44.422 N ± 5.2km 11.474 E ± 5.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

SFI 0.57 151 Pd 08 57.60 -1.2
eSg 09 04.70
PGD 0.58 162 P 08 57.80 -1.2
eSg 09 04.50
MME 0.60 248 P 09 00.30 0.7
eSg 09 10.50
FIR 0.66 194 ePg 08 53.00 -7.4X
i 09 09.00
BDI 0.73 241 P 09 03.00 1.4
eSg 09 12.90
CRE 0.87 156 P 09 03.10 -0.9
eSg 09 14.80
PII 0.98 225 P 09 07.00 1.2
eSg 09 18.00
ARV 1.41 131 P 09 14.00 1.1
ASS 1.60 147 P 09 16.50 0.8
TRI 2.07 51 eP 09 47.30 24.8X
i 10 02.60
KBA 2.96 26 e(Pn) 09 37.00 1.7
e 10 10.50
i 10 26.80
BSF 4.71 318 Pn 10 00.60 0.4
CDF 4.93 325 Pn 10 02.90 -0.4
HAU 5.05 317 Pn 10 04.50 -0.3
SMF 5.80 295 Pn 10 14.70 -0.8
LBF 5.84 299 Pn 10 15.40 -0.6
Sn 11 20.00
LOR 6.03 301 Pn 10 18.00 -0.7
Sn 11 24.20
SSF 6.17 298 Pn 10 19.50 -1.1
S.D. = 1.1 on 16 of 18 obs.

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* JUN 08, 1992 13h 47m 40.92± 1.73s
44.441 N ± 8.1km 8.279 E ±15.1km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.3 (LDG).

CKI 0.02 178 P 47 40.40 -1.6
eSg 47 41.30
DOI 0.74 275 P 47 54.90 -0.9
eSg 48 04.10
SBF 0.84 227 Pg 47 57.80 0.1
Sg 48 08.60
FRF 1.47 234 Pn 48 07.30 -0.8
Pg 48 08.30
Sg 48 28.40
LPG 1.51 315 Pg 48 09.10 0.1
Sg 48 26.70
LPL 1.54 315 Pg 48 09.40 0.2
LMR 1.69 230 Pg 48 11.90 0.7
Sg 48 33.10
LRG 1.70 235 Pg 48 12.40 1.0
Sg 48 35.00
S.D. = 1.0 on 8 of 8 obs.

JUN 08, 1992 13h 53m 46.21± 0.25s
20.721 S ± 6.1km 173.844 W ± 7.6km
DEPTH = 50.5km (8 depth phases)
4.9mb (20 obs.)
TONGA ISLANDS (173)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 24C
Centroid Location:
Origin Time 13:53:51.3 0.9
Lat 20.54S FIX;Lon 174.00W FIX
Dep 15.0 FIX Half-duration 1.3
Moment Tensor; Scale 10**16 Nm
Mrr= 0.69 0.81 Mtt=-2.49 0.96
Mff= 1.80 0.53 Mrt= 0.03 1.17
Mrf=-5.99 0.98 Mtf= 3.55 0.67
Principal Axes:
T Val= 7.94 Plg=38 Azm=109
N -1.49 36 344
P -6.46 32 228
Best Double Couple:Mo=7.2*10**16
NP1:Strike=262 Dip=36 Slip= 6
NP2: 167 86 126

AFI 7.06 17 eP 55 45.00 15.5X
WCZ 18.36 212 P 57 59.80 1.0
DZM 18.41 262 iPc 58 00.40 0.8
PUZ 18.60 200 eP 58 01.20 -0.5
URZ 19.15 202 P 58 07.80 -0.4
NOZ 19.16 200 eP 58 10.10 1.7
WLZ 19.39 206 P 58 10.70 -0.1
MOZ 20.26 206 P 58 20.50 0.5
SNZO 22.71 203 eP 58 46.00 1.4
ORZ 23.16 207 eP 58 49.80 0.8
e 58 55.40 20kmX
KHZ 24.10 203 P 58 57.50 -0.6
DSZ 24.22 207 eP 58 58.80 -0.6
LTZ 24.90 205 P 59 04.60 -1.2
EWZ 26.08 206 eP 59 15.30 -1.4
LMZ 26.91 208 eP 59 21.60 -2.8
MSZ 28.26 208 eP 59 40.30 3.7X
ARMA 32.50 246 eP 00 14.00 -0.5
0.5s 5.00nm 4.6mb
RMQ 34.66 253 eP 00 33.00 -0.1
i 00 47.00 55km
CNB 35.37 238 iPd 00 39.30 0.2
CMS 37.58 245 iPc 00 57.00 -0.7
0.5s 11.00nm 5.0mb
TOO 38.94 235 iPc 01 09.80 0.7
0.7s 36.00nm 5.3mb
BFD 41.15 237 iPd 01 26.20 -1.0
0.9s 35.00nm 5.1mb
STK 41.21 245 eP 01 27.20 -0.6
0.7s 7.70nm 4.5mb
ASPA 48.26 256 iPd 02 23.00 -1.4
0.8s 18.50nm 5.2mb
Z 23s 0.30um 4.2MszX
ipP 02 36.60 51km
eS 09 18.50
FORT 52.78 247 eP 02 57.00 -1.7
MBL 61.50 257 eP 03 59.00 -1.6
0.3s 10.00nm 5.4mb
MUN 62.73 244 eP 04 09.00 0.4
MRWA 63.35 247 eP 04 12.50 -0.3
NANU 65.09 254 eP 04 24.00 -0.1
CSY 65.44 206 eP 04 26.60 0.9
0.3s 5.50nm 5.1mb
i 04 41.60 54km
SPA 69.41 180 iPd 04 52.60 1.8
1.1s 20.83nm 5.0mb
MAT 72.76 321 eP 05 10.00 -1.2
0.8s 8.96nm 4.7mb
BCH 75.43 43 eP 05 27.18 0.4
PLM 76.44 46 eP 05 31.39 -1.3
ISA 76.76 43 eP 05 33.13 -1.1
1.0s 11.44nm 4.8mb
pP 05 46.75 47km
LTCM 77.41 38 (P) 05 37.45 -0.2
GLA 77.66 47 eP 05 38.92 -0.3
BONR 78.27 42 eP 05 42.11 -0.7
TNP 79.03 42 eP 05 46.48 -0.4
0.7s 7.03nm 4.7mb
BMW 81.01 33 (P) 05 59.29 2.3X
ARUT 81.28 44 (P) 05 59.53 0.8
MSU 82.51 44 eP 06 05.93 0.7
pP 06 20.59 51km
MAW 82.65 199 iPd 06 06.00 0.8
1.0s 17.00nm 5.0mb
CRP 83.55 10 (P) 06 08.44 -1.5
SRU 83.91 44 ePd 06 12.50 0.1
pP 06 27.16 51km
DAU 84.15 43 eP 06 13.10 -0.6
PV10 84.51 46 eP 06 15.00 -0.4
ALO 84.54 50 eP 06 16.58 1.0
1.0s 6.90nm 4.7mb
pP 06 31.08 50km
TTA 84.55 8 eP 06 14.89 0.0
1.4s 19.17nm 5.0mb
PNT 84.71 32 eP 06 16.00 0.1
LRM 86.45 38 eP 06 24.80 -0.1
FBA 87.67 11 eP 06 29.39 -0.7
1.5s 44.51nm 5.5mb
IMA 87.86 8 eP 06 31.35 0.2
1.5s 13.54nm 5.0mb
BJI 88.82 314 eP 06 37.50 1.5
SES 89.79 35 eP 06 40.00 -0.5
pP 06 52.00 39kmX
TIY 90.35 310 eP 06 45.50 2.1
RSSD 90.65 43 eP 06 44.20 -0.6
1.6s 13.12nm 5.1mb
XAN 91.39 306 eP 06 49.00 0.8
CHG 93.99 288 eP 07 02.00 1.6
CHTO 93.99 288 eP 07 02.30 1.9

08d 14h

0.7s 1.43nm 4.5mb
pP 07 16.00 46km
YKA 95.12 24 eP 07 04.10 -0.6
0.7s 0.70nm 4.2mb
OJC 148.64 343 ePKP 13 26.10 0.8
PSP 148.90 348 ePKPc 13 30.60 5.0X
e 13 42.90
CLL 149.00 352 iPKPc 13 30.60 4.8X
e 13 45.00
BRG 149.29 350 ePKP 13 30.80 4.6X
1.2s 22.00nm
e 13 47.40
e 13 56.00
VRI 149.77 331 ePKPd 13 33.00 5.9X
MOX 149.83 353 e(PKP)13 32.70 5.6X
2.3s 34.00nm
e 13 47.70
PRU 150.05 349 ePKP 13 28.80 1.4
e 13 48.30
MLR 150.41 331 ePKP 13 34.00 5.7X
GRF 150.81 353 iPKPc 13 35.80 7.2X
KHC 151.04 350 ePKP 13 30.00 1.0
1.3s 6.60nm
e 13 35.90
e 13 50.60
ZST 151.20 345 e(PKP)13 35.80 6.6X
e 36 03.00
GEC2 151.29 350 PKP 13 35.10 5.7X
1.1s 2.99nm
GEC2 151.29 350 PKP 13 40.20 10.8X
1.1s 2.53nm
GEC2 151.29 350 PKP 13 47.80 18.4X
0.8s 1.07nm
FLN 151.52 9 ePKP 13 35.80 6.2X
0.8s 5.65nm
Z 21s 0.08um 4.5Msz
LDF 151.74 9 ePKP 13 36.30 6.3X
0.7s 4.30nm
GRR 151.82 10 ePKP 13 36.70 6.6X
0.5s 3.30nm
BZS 152.10 336 ePKP 13 36.50 5.9X
LPF 152.14 10 ePKP 13 37.30 6.7X
0.8s 7.95nm
CDF 152.36 358 ePKP 13 38.30 7.3X
0.7s 1.85nm
BSF 152.95 359 ePKP 13 39.20 7.3X
0.8s 2.30nm
LOR 153.45 4 ePKP 13 40.50 8.0X
0.8s 2.70nm
Z 22s 0.10um 4.6Msz
SSF 153.64 4 ePKP 13 41.10 8.4X
0.8s 2.95nm
LBF 153.74 3 ePKP 13 41.10 8.2X
TCF 154.29 6 ePKP 13 43.20 9.5X
0.8s 2.15nm
S.D. = 1.0 on 61 of 86 obs.

? JUN 08, 1992 14h 37m 22.46± 7.45s
43.426 N ±44.7km 7.394 E ±47.4km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.3 (LDG).

SBF 0.44 4 Pg 37 31.40 0.0
Sg 37 37.60
FRF 0.56 284 Pg 37 33.70 -0.1
Sg 37 40.90
LMR 0.65 262 Pg 37 35.30 -0.2
Sg 37 44.00
LRG 0.75 273 Pg 37 37.50 0.3
Sg 37 47.80
S.D. = 0.4 on 4 of 4 obs.

? JUN 08, 1992 17h 20m 29.29± 0.96s
6.622 S ±17.1km 147.945 E ±10.0km
DEPTH = 34.8 ± 12.4 km
4.1mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.09 273 iPc 20 35.10 -0.1
LAT 0.94 268 iPd 20 46.50 0.4
YYYY 2.00 281 eP 21 06.00 4.4X
MDG 2.55 302 eP 21 08.90 -0.2
PMG 2.88 196 eP 21 18.00 4.2X
eS 22 00.00
MNDI 4.29 276 e(P) 21 40.00 5.9X
RAB 4.85 60 eP 21 42.00 0.1
0.7s 109.59nm
ASPA 21.67 217 iPc 25 18.90 -0.1
0.8s 7.20nm 4.1mb
S.D. = 0.5 on 5 of 8 obs.

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* JUN 08, 1992 17h 42m 08.66± 2.29s
39.619 N ±25.1km 33.132 E ± 7.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

BBTK 0.36 308 iPg 42 15.60 -0.6
eS 42 20.50
SGKT 1.26 319 iP 42 31.30 -0.9
eS 42 50.00
NAL 1.52 293 iP 42 37.00 0.9
eS 43 00.00
DVR 1.76 331 eP 42 40.00 0.5
KAS 1.82 15 ePn 42 40.50 0.3
iSg 43 05.00
GYN 1.99 292 eP 42 46.00 3.2X
eS 43 16.00
GPA 2.27 288 ePn 42 52.00 5.2X
TRHT 2.45 72 eP 42 48.00 -1.4
eS 43 24.00
KVT 2.66 56 ePn 42 53.70 1.3
SVST 2.94 86 eP 43 01.00 4.5X
eS 43 42.80
KCT 3.72 281 ePn 43 17.20 9.7X
S.D. = 1.2 on 7 of 11 obs.

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* JUN 08, 1992 18h 18m 05.85± 1.34s
32.227 N ± 6.4km 31.316 E ±13.8km
DEPTH = 10.0km (geophysicist)
EASTERN MEDITERRANEAN SEA (371)
ML 3.5 (CSS). MD 3.6 (HLW).

KOT 2.33 169 ePn 18 45.00 0.2
eSn 19 10.50
PPCY 2.79 18 eP 18 50.60 -0.7
eS 19 22.50
ZNT 3.15 89 eP 18 56.30 -0.1
eS 19 30.70
CSS 3.20 31 eP 18 58.00 0.8
eS 19 34.70
JVI 3.44 94 eP 19 00.60 0.0
SAGI 3.49 124 eP 19 01.00 -0.4
eS 19 40.60
HRI 3.87 73 eP 19 06.90 0.1
MBH 3.92 128 eP 19 07.50 0.1
S.D. = 0.5 on 8 of 8 obs.

JUN 08, 1992 18h 21m 58.68± 0.43s
45.206 N ±10.3km 148.885 E ± 8.5km
DEPTH = 74.3km (5 depth phases)
4.8mb (13 obs.)
KURIL ISLANDS (221)

KUSJ 3.67 236 iP+ 22 54.60 0.4
eS 23 35.70
ASAJ 4.58 258 iPd 23 11.50 4.5X
HOOJ 4.94 237 iP+ 23 13.40 1.5
eS 24 08.60
MRRJ 6.30 247 P 23 32.00 1.1
eS 24 43.10
AOMJ 7.78 236 eP 23 50.00 -1.4
eS 25 15.90
OFUJ 8.13 224 P 23 53.00 -3.2X
S 25 17.70
YAMJ 9.65 226 P 24 14.50 -2.4X
eS 25 56.80
NIIJ 10.89 226 P 24 31.40 -2.3X
CHJJ 11.83 223 P 24 43.40 -2.9X
S 26 47.90
MAT 11.83 227 eP 24 44.00 -2.3X
0.8s 14.18nm 5.0mb
MTMJ 12.01 228 P 24 47.50 -1.2
LZH 34.98 271 eP 28 47.00 1.3
1.5s 43.00nm 5.2mb
TTA 35.52 40 eP 28 50.70 0.8
IMA 36.78 35 iPd 29 00.72 0.2
0.6s 5.53nm 4.7mb
ipP 29 18.96 74km
KLU 40.28 42 eP 29 30.52 0.9
epP 29 48.62 74km
CHG 48.88 254 eP 30 40.00 1.2
CHTO 48.88 254 iP 30 39.80 1.0
0.8s 4.21nm 4.5mb
pP 30 58.90 77km
GUN 52.17 273 P 31 03.60 -0.6
KKN 52.67 274 P 31 07.20 -0.5
0.8s 27.00nm 5.3mb
PKI 52.71 273 P 31 07.40 -0.8
0.4s 6.00nm 5.0mb
DMN 52.90 273 P 31 09.20 -0.3
0.6s 19.00nm 5.3mb
GKN 52.99 274 P 31 09.60 -0.4
0.6s 24.00nm 5.4mb
YKA 53.90 35 eP 31 15.00 -1.0
0.6s 0.70nm 3.9mb
NDI 57.79 280 eP 31 44.00 -0.4
TNP 66.64 59 iP 32 43.79 0.2
0.8s 4.71nm 4.5mb
NB2 68.69 339 P 32 55.60 -0.2
0.5s 1.00nm 4.0mb
HFS 68.82 338 eP 32 55.20 -1.3
0.4s 1.40nm 4.2mb
ASPA 69.89 195 iPc 33 03.20 -0.2
0.8s 5.90nm 4.6mb
SRU 69.92 55 iP 33 03.76 -0.1
epP 33 23.44 74km
MBL 71.15 209 eP 33 10.40 -0.7
PV10 71.28 54 eP 33 12.50 0.3
epP 33 32.00 73km
KHC 78.28 332 eP 33 52.50 0.8
e 34 05.00 42kmX
e 35 04.00
GEC2 78.48 332 PKP 33 52.20 -0.7
0.7s 0.44nm 3.5mb X
S.D. = 0.9 on 27 of 33 obs.

% JUN 08, 1992 18h 36m 18.41± 0.85s
40.185 N ± 7.8km 2.318 W ±10.1km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 2.5 (MDD).

ETOR 0.66 17 ePg 36 32.45 0.8
iSg 36 40.00
ECHE 1.20 119 ePg 36 40.91 0.2
iSg 36 56.50
GUD 1.47 289 ePn 36 45.70 0.6
EVIA 1.55 185 ePn 36 45.94 -0.3
iSn 37 05.70
ECRI 2.43 357 ePn 36 57.55 -1.2
S.D. = 1.1 on 5 of 5 obs.

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* JUN 08, 1992 18h 42m 24.72± 1.58s
27.657 S ± 6.8km 71.337 W ±35.1km
DEPTH = 33.0km (normal)
NEAR COAST OF NORTHERN CHILE (122)

ANT 4.02 12 eP 43 25.50 0.0
ZON 4.51 150 eP 43 32.50 -0.1
CFA 4.77 146 ePc 43 36.30 0.1
PEL 5.50 174 eP 43 46.50 0.0
iS 44 48.50
ZOBO 11.70 15 P 45 13.00 0.1
Z 18s 0.17um 4.1Msz
LR 49 10.00
SIV 15.01 41 P 46 03.40 7.2X
S.D. = 0.1 on 5 of 6 obs.

& JUN 08, 1992 19h 29m 57.00s
37.385 N 118.540 W
DEPTH = 10.7km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 2.7 (GM).

BONR 0.60 18 iPd 30 08.75 -0.5
TNP 1.26 56 eP 30 19.89 -0.6
KVN 1.70 12 ePn 30 27.63 0.7
ISA 1.72 178 ePn 30 27.68 0.6
eS 30 50.44
4 obs. associated

? JUN 08, 1992 19h 35m 43.18± 1.80s
4.859 S ±25.6km 139.694 E ±18.7km
DEPTH = 10.0km (geophysicist)
4.5mb (1 obs.)
IRIAN JAYA, INDONESIA (201)

WWKK 4.11 73 eP 36 47.40 0.0
MTN 11.60 226 eP 38 32.00 0.2
KNA 15.24 224 eP 39 19.50 -0.7

OIS 15.60 180 eP 39 24.00 -0.9
e 42 29.00
ASPA 19.52 196 iPc 40 15.30 1.5
0.7s 18.90nm 4.5mb
eS 43 46.70
S.D. = 1.3 on 5 of 5 obs.

• JUN 08, 1992 20h 07m 22.19± 1.10s
15.231 N ±10.5km 122.980 E ±11.2km
DEPTH = 10.0km (geophysicist)
3.5mb (2 obs.)
PHILIPPINE ISLANDS REGION (248)

OVP 2.00 253 ePd 07 56.80 0.4
eS 08 25.80
TGY 2.28 241 eP 08 01.00 0.6
iS 08 33.00
PGP 2.61 229 iPd 08 04.00 -1.1
iS 08 30.00
PIP 3.82 324 iPd 08 22.50 0.2
PLP 4.49 154 ePd 08 30.50 -1.3
iS 08 54.00
MAP 4.98 169 eP 08 40.00 1.3
CHTO 23.25 282 eP 12 30.20 -0.6
1.0s 2.25nm 3.7mb
WRA 36.70 162 P 14 31.80 0.4
1.0s 0.50nm 3.3mb
S.D. = 1.1 on 8 of 8 obs.

? JUN 08, 1992 20h 46m 35.78± 5.03s
32.480 S ±34.4km 71.482 W ±26.3km
DEPTH = 28.2 ± 7.9 km
NEAR COAST OF CENTRAL CHILE (135)
MD 3.6 (SAN).

ROCH 0.63 141 iPd 46 48.10 -0.3
iS 46 56.90
JACH 0.78 105 iPd 46 50.70 -0.1
iS 47 01.90
PEL 0.94 135 iPd 46 53.10 0.0
iS 47 05.50
TACH 1.26 159 iP 46 57.60 0.1
iS 47 13.30
FCH 1.31 130 iPd 46 58.60 0.0
iS 47 16.20
PCH 1.40 145 iP 47 00.00 0.4
iS 47 17.70
LNV 1.47 178 iPd 47 00.40 -0.2
CHCH 1.61 155 iP 47 02.80 0.2
iS 47 23.40
S.D. = 0.3 on 8 of 8 obs.

• JUN 08, 1992 20h 46m 48.84± 0.99s
21.198 S ± 7.9km 178.882 W ±14.3km
DEPTH = 631.9 ± 10.3 km
4.7mb (12 obs.)
FIJI ISLANDS REGION (181)

MBU 4.77 331 iPd 48 21.60 -0.9
BKM 12.64 284 iPc 49 35.00 1.3
DZM 13.67 264 iPc 49 44.90 1.2
iS 52 10.10
WCZ 15.84 201 eP 50 07.90 3.6X
KUZ 16.19 196 eP 50 09.80 2.2
PUZ 17.00 188 eP 50 16.00 0.8
NOZ 17.56 188 eP 50 20.40 0.0
0.3s 28.00nm 5.1mb
ORZ 20.88 199 eP 50 51.20 0.4
THZ 21.65 197 eP 50 56.80 -0.9
DSZ 21.95 199 eP 51 00.10 -0.3
KHZ 22.10 195 eP 51 00.30 -1.4
LTZ 22.77 197 eP 51 06.00 -1.8
EWZ 23.84 199 eP 51 16.50 -0.6
OLP 34.07 254 iPd 52 45.70 1.0
0.4s 95.00nm 5.8mb X
STK 36.75 245 eP 53 07.80 1.2
0.5s 8.80nm 4.6mb
OIS 38.71 263 iPc 53 22.40 -0.3
0.6s 10.00nm 4.5mb
ASPA 43.56 258 iPd 54 01.00 0.0
0.8s 108.60nm 5.4mb
e 58 29.10
iS 59 45.60
MTN 48.35 271 iPc 54 36.30 -1.2
0.6s 80.00nm 5.4mb
KNA 49.77 267 eP 54 46.90 -1.0
MBL 56.81 258 iPd 55 36.40 -1.0
MEEK 56.91 251 eP 55 37.00 -1.1
MUN 58.28 245 eP 55 47.20 -0.1
MRWA 58.82 248 eP 55 50.00 -0.9
NANU 60.42 255 eP 56 01.00 -0.5
SPA 68.93 180 iPc 56 56.00 2.0
0.9s 17.27nm 4.5mb
MAT 70.29 324 eP 57 01.00 -1.1
0.7s 6.85nm 4.2mb
NJ2 79.69 310 Pd 57 54.00 0.1
CN2 82.35 323 eP 58 07.00 -0.1
1.2s 19.00nm 4.5mb
BJI 85.81 316 eP 58 24.00 -0.1
1.5s 29.00nm 4.8mb
TIY 87.13 312 eP 58 31.00 0.5
XAN 87.90 308 Pc 58 34.60 0.4
1.0s 11.00nm 4.6mb
CHG 89.71 290 ePd 58 44.00 1.3
1.0s 12.00nm 4.8mb
CHTO 89.71 290 iPd 58 44.00 1.3
0.9s 10.02nm 4.7mb
NB2 139.57 352 PKP 04 58.10 -9.0X
0.5s 0.80nm
HFS 140.09 350 ePKP 04 59.40 -8.6X
0.4s 2.80nm
EKA 145.76 4 PKPd 05 17.60 -0.2
0.9s 7.20nm
HRI 147.10 299 ePKP 05 23.80 3.0X
OJC 147.50 337 ePKP 05 24.00 3.2X
e 05 28.30
ZNT 147.90 297 ePKP 05 25.70 3.7X
KSP 148.10 342 ePKP 05 25.50 3.8X
e 05 30.70
MBH 148.44 293 ePKP 05 27.10 4.1X
CLL 148.54 346 iPKPc 05 26.40 4.0X
1.0s 16.00nm
BRG 148.72 344 iPKP 05 26.80 4.1X
1.2s 13.00nm
i 05 32.50
WTS 148.94 353 ePKP 05 27.50 4.6X
0.9s 10.00nm
PRU 149.37 343 ePKP 05 28.30 4.6X
MOX 149.47 347 ePKP 05 28.80 5.0X
e 05 35.60
ZST 150.15 338 e(PKP)05 30.70 5.8X
e 05 39.70
ENN 150.25 354 ePKP 05 30.50 5.6X
0.8s 6.00nm
e 05 38.50
KHC 150.41 343 PKP 05 30.50 5.2X
1.0s 5.40nm
e 05 40.90
GRF 150.46 347 ePKP 05 31.40 6.0X
GEC2 150.63 343 PKP 05 30.00 4.2X
0.8s 3.79nm
S.D. = 1.1 on 33 of 51 obs.

% JUN 08, 1992 21h 04m 20.06± 1.65s
46.294 N ± 9.5km 0.522 W ±16.0km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.2 (LDG).

MFF 0.40 40 Pg 04 27.90 -0.4
LSF 1.42 91 Pg 04 47.00 1.0
Sg 05 07.50
LFF 1.62 146 Pn 04 47.60 -1.1
Pg 04 49.70
Sg 05 11.40
RJF 1.74 124 Pg 04 51.70 1.3
Sg 05 15.40
LPF 1.77 349 Pg 04 51.20 0.2
Sg 05 12.50
TCF 1.89 89 Pn 04 51.70 -1.1
Pg 04 56.30
Sg 05 21.60
CAF 2.27 126 Pg 05 02.40 4.1X
Sg 05 33.10
S.D. = 1.3 on 6 of 7 obs.

& JUN 08, 1992 22h 19m 04.27s
63.297 N 151.154 W
DEPTH = 12.3km
CENTRAL ALASKA (1)
<AEIC>. ML 2.6 (AEIC), 3.0
(PMR).

KTH 0.28 22 iP 19 09.93 -0.4
TRF 0.42 68 iP 19 12.77 -0.2
eS 19 19.49
HUR 0.76 114 eP 19 18.78 -0.1
eS 19 29.73
CUT 0.98 155 iP 19 22.79 0.1
RND 1.04 83 eP 19 23.93 0.1
S 19 37.92
MCK 1.09 65 eP 19 24.58 0.1
eS 19 40.34
BWN 1.16 40 eP 19 25.93 0.3
SKT 1.33 188 eP 19 28.13 -0.5
S 19 46.02
NEA 1.58 35 eP 19 31.29 -0.8
MLY 1.75 6 eP 19 33.36 -1.3
eS 19 58.59
PWA 1.76 160 P 19 34.70 0.1
WRH 1.80 48 eP 19 34.49 -0.7
S 20 00.32
GHO 1.85 145 P 19 35.70 -0.3
SUA 1.85 174 eP 19 35.85 -0.3
PLRM 1.95 150 eP 19 37.07 -0.4
PMR 1.95 150 ePn 19 36.96 -0.5
NCG 1.96 194 eP 19 36.88 -0.8
SML 1.99 138 eP 19 37.32 -0.7
CCB 2.00 46 eP 19 36.40 -1.8
CRP 2.09 193 eP 19 38.60 -1.1
CPKM 2.10 194 eP 19 40.23 0.4
eS 20 07.59
BGL 2.12 196 eP 19 39.48 -0.6
CKN 2.14 193 eP 19 40.72 0.5
SPU 2.16 192 eP 19 40.06 -0.6
HDA 2.17 57 eP 19 40.89 0.3
CKL 2.18 195 eP 19 40.86 0.0
FBA 2.18 41 eP 19 41.47 0.6
eS 20 13.27
PMS 2.19 159 P 19 41.40 0.4
TTA 2.24 263 eP 19 42.87 1.2
eS 20 11.91
KNK 2.27 145 eP 19 42.45 0.3
BKG 2.29 194 eP 19 41.98 -0.5
SCM 2.30 128 eP 19 43.26 0.6
GLM 2.37 43 eP 19 44.81 1.3
TOA 2.59 115 P 19 48.50 1.8
PAX 2.60 95 eP 19 47.23 0.3
SDG 2.68 104 eP 19 48.35 0.4
RDT 2.80 193 eP 19 49.42 -0.2
DFR 2.81 196 eP 19 50.33 0.5
SLKM 2.83 171 eP 19 50.68 0.5
REF 2.91 195 eP 19 50.94 -0.4
RS2 2.94 196 eP 19 52.42 0.6
RSO 2.94 196 eP 19 51.51 -0.3
RS1 2.95 196 eP 19 50.57 -1.3
IMA 2.99 340 ePn 19 50.04 -2.3
SVW 3.03 226 (P) 19 54.83 1.9
eS 20 36.54
KLU 3.04 124 eP 19 53.56 0.6
VLZ 3.13 132 eP 19 54.29 0.0
HIN 3.65 141 eP 20 01.79 0.1
CVA 3.76 135 eP 20 03.81 0.6
CNPM 3.79 181 eP 20 03.64 0.0
GLB 3.89 115 eP 20 05.47 0.3
BALM 4.71 115 (P) 20 16.06 -0.8
52 obs. associated

% JUN 08, 1992 23h 10m 27.65± 0.64s
44.507 N ± 5.6km 7.268 E ± 7.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.5 (GEN).

PZZ 0.12 269 P 10 30.81 0.0
S 10 32.86
STV 0.27 171 P 10 33.17 -0.1
S 10 36.65
ENR 0.30 159 P 10 33.89 -0.1
S 10 37.88
BHB 0.33 359 P 10 34.30 -0.3
S 10 38.71
ROB 0.48 116 P 10 37.68 0.2
S 10 44.14
RRL 0.54 320 P 10 38.81 0.2
S 10 46.09
S.D. = 0.3 on 6 of 6 obs.

? JUN 08, 1992 23h 10m 49.58± 0.96s
44.500 N ± 6.8km 7.284 E ±13.4km
DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)
ML 1.2 (GEN)
PZZ 0.13 272 P 10 52.92 0.0
S 10 55.07
STV 0.26 174 P 10 54.87 -0.2
S 10 58.76
ENR 0.29 160 P 10 55.89 0.2
S 11 00.00
BHB 0.34 357 P 10 56.61 0.0
S 11 01.23
S.D. = 0.3 on 4 of 4 obs.

% JUN 08, 1992 23h 22m 37.92± 1.21s
46.084 N ± 6.7km 0.083 E ±11.0km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.4 (LDG).
MFF 0.54 343 Pg 22 49.20 0.3
Sg 22 56.80
LSF 1.02 80 Pg 22 57.70 0.5
Sg 23 11.50
LFF 1.23 158 Pg 22 59.70 -1.2
Sg 23 15.90
RJF 1.27 127 Pg 23 00.80 -0.7
Sg 23 17.40
TCF 1.49 81 Pn 23 05.20 0.4
Pg 23 06.50
Sg 23 25.40
LPO 1.60 151 Pg 23 06.80 0.5
Sg 23 27.00
MAF 1.73 85 Pg 23 10.40 2.2
Sg 23 32.60
CAF 1.81 129 Pg 23 10.90 1.5
Sn 23 30.20
Sg 23 34.90
BGF 1.97 75 Pn 23 11.40 -0.3
Pg 23 15.10
Sg 23 39.90
LPF 2.09 339 Pg 23 17.80 4.3X
Sg 23 43.90
AVF 2.37 71 Pn 23 16.50 -0.9
Pg 23 22.50
Sg 23 53.00
GRR 2.39 345 Pg 23 23.30 5.6X
Sg 23 53.60
LDF 2.51 357 Pg 23 26.50 7.0X
Sg 23 57.40
SSF 2.56 66 Pn 23 19.10 -1.0
Pg 23 26.40
Sg 24 00.00
SMF 2.66 76 Pg 23 27.20 5.6X
Sg 24 02.20
FLN 2.71 352 Pg 23 28.50 6.3X
Sn 23 53.20
Sg 24 04.10
LBF 2.84 70 Pg 23 32.00 7.9X
Sg 24 06.80
LOR 2.86 64 Pn 23 23.20 -1.2
Pg 23 32.20
Sg 24 08.50
S.D. = 1.2 on 12 of 18 obs.

& JUN 08, 1992 23h 32m 59.02s
60.259 N 153.237 W
DEPTH = 172.0km
4.2mb (2 obs.)
SOUTHERN ALASKA (2)
<AEIC>.
INW 0.20 165 iPc 33 21.48 0.7
eS 33 39.41
INE 0.22 156 iPc 33 21.53 0.7
eS 33 39.82
RED 0.28 55 iPc 33 21.52 0.6
eS 33 39.51
RS1 0.31 49 iPc 33 21.87 0.8
RS2 0.31 49 iPc 33 21.85 0.7
RSO 0.32 49 iPc 33 21.82 0.7
REF 0.35 49 ePc 33 21.75 0.5
DFR 0.43 39 iPc 33 21.93 0.6
RDT 0.52 52 iPc 33 22.44 -0.9
AUL 0.89 187 iPd 33 24.59 -0.8
eS 33 44.08
AUH 0.90 187 ePc 33 24.68 -0.9
eS 33 43.51
AUP 0.90 186 ePd 33 24.71 -0.9
eS 33 44.67
AUE 0.91 184 iPd 33 24.60 -0.9
eS 33 43.76
AUI 0.93 186 ePd 33 24.71 -1.0
eS 33 44.54
BKG 0.94 30 iPc 33 25.01 -0.9
eS 33 45.62
NNL 0.99 102 ePc 33 26.41 0.2
HOM 1.00 126 eP 33 26.29 0.1
CKL 1.04 25 iPc 33 25.93 -0.7
BGL 1.09 22 ePc 33 26.53 -0.5
SPU 1.09 32 iPc 33 25.92 -1.1
eS 33 47.83
CKN 1.10 28 iPc 33 26.34 -0.7
CPKM 1.12 26 ePc 33 26.82 -0.6
eS 33 48.81
CRP 1.14 27 iPc 33 26.96 -0.6
iS 33 50.43
MCNL 1.21 208 iPd 33 26.35 -1.6
eS 33 47.44
CNPM 1.25 125 eP 33 28.12 -0.2
eS 33 50.69
NCG 1.26 24 ePc 33 27.69 -0.9
BRLK 1.28 112 ePc 33 28.40 -0.2
eS 33 51.39
CDD 1.35 189 iPd 33 27.88 -1.3
SVW 1.45 307 P 33 27.80 -2.4
SLKM 1.52 79 iPc 33 29.68 -1.2
eS 33 54.17
SYI 1.71 165 ePd 33 31.60 -1.1
eS 33 56.79
SUA 1.72 44 iPc 33 31.66 -1.3
SEW 1.90 93 iPc 33 34.21 -0.5
SKT 1.92 25 iPc 33 33.96 -1.0
eS 34 01.28
PMS 2.06 60 P 33 35.00 -1.6
PWA 2.15 48 P 33 37.20 -0.4
PTE 2.17 72 eP 33 36.31 -1.4
PLRM 2.41 55 eP 33 38.73 -1.8
eS 34 11.25
PMR 2.41 55 eP 33 39.50 -1.1
KDC 2.55 171 P 33 39.70 -2.5
S 34 12.50
CUT 2.59 32 eP 33 41.14 -1.5
GHO 2.59 52 ePc 33 40.65 -2.2
KNK 2.61 62 iPc 33 41.10 -2.0
SML 2.85 55 ePc 33 43.75 -2.2
TTA 2.99 335 P 33 45.20 -2.5
S 34 21.70
HUR 3.22 31 eP 33 48.44 -2.2
SCM 3.28 59 ePc 33 49.55 -1.8
HIN 3.35 85 ePc 33 50.44 -1.8
eS 34 33.16
KTH 3.48 17 ePd 33 51.35 -2.6
TRF 3.50 22 ePd 33 51.69 -2.5
eS 34 33.20
VLZ 3.51 73 ePc 33 52.55 -1.5
eS 34 35.02
MID 3.58 100 P 33 54.70 -0.3
CVA 3.73 82 ePc 33 55.99 -0.9
RND 3.78 31 eP 33 55.97 -1.8
KLU 3.79 68 iPc 33 56.25 -1.5
TOA 3.89 59 P 33 58.50 -0.6
MCK 4.03 28 eP 33 58.57 -2.3
TZL 4.19 61 eP 34 00.80 -2.1
BWN 4.31 23 eP 34 02.07 -2.3
SDG 4.34 55 eP 34 03.82 -1.1
KAIM 4.43 90 eP 34 05.50 -0.5
PAX 4.60 50 eP 34 07.50 -0.8
NEA 4.75 22 ePd 34 06.76 -3.4
GLB 4.76 71 ePc 34 09.38 -1.0
WRH 4.86 27 ePd 34 08.67 -3.0
MLY 4.93 12 ePd 34 09.16 -3.4
DDM 4.96 41 eP 34 12.22 -0.8
CCB 5.07 27 ePd 34 11.40 -3.0
HDA 5.09 32 iPd 34 12.13 -2.5
TGL 5.17 80 iPc 34 15.44 -0.4
DJE 5.18 40 eP 34 14.34 -1.5
FBA 5.29 26 P 34 14.80 -2.5
BALM 5.42 77 eP 34 17.75 -1.4
GLM 5.46 27 ePd 34 16.57 -3.0
WRG 5.60 87 ePc 34 21.35 -0.1
YAH 5.71 84 eP 34 23.00 -0.1
IMA 5.84 358 P 34 22.30 -2.4
SDN 6.27 221 P 34 26.20 -4.0
PCA 6.48 86 ePc 34 33.31 0.2
BCPM 6.81 87 ePc 34 38.32 0.9
PNL 6.97 89 eP 34 39.22 -0.4
HON 7.28 90 ePc 34 42.65 -1.0
YKA 18.45 66 eP 37 01.60 -2.1
0.9s 5.40nm 3.9mb
MBC 19.83 23 eP 37 15.50 -2.2
0.5s 9.00nm 4.5mb
84 obs. associated

? JUN 08, 1992 23h 46m 25.48± 0.94s
22.382 S ±33.9km 170.588 E ±16.0km
DEPTH = 33.0km (normal)
4.5mb (3 obs.)
LOYALTY ISLANDS REGION (189)
DZM 3.85 274 iPd 47 24.00 0.0
iS 48 11.00
RMQ 20.29 254 eP 51 02.00 0.7
CMS 23.82 242 eP 51 36.00 -0.4
0.9s 21.00nm 4.7mb
ASPA 33.73 261 iPc 53 04.80 -1.4
1.1s 8.30nm 4.6mb
CHG 81.10 294 eP 58 40.00 0.7
CHTO 81.10 294 eP 58 40.00 0.7
1.0s 2.25nm 4.1mb
KSP 145.24 331 ePKPd 05 59.70 -1.5
e 06 17.20
BRG 146.23 333 ePKP 06 02.40 -0.4
PRU 146.63 332 ePKP 06 06.00 2.5X
1.5s 8.50nm
e 06 29.00
EKA 146.76 353 PKPd 06 02.60 -0.9
0.5s 3.70nm
BCAO 147.59 241 ePKPc 06 08.00 1.8
1.0s 10.00nm
KHC 147.69 331 ePKP 06 06.00 0.7
1.5s 8.50nm
e 06 29.00
GEC2 147.84 331 PKP 06 02.90 -2.7X
0.7s 0.96nm
S.D. = 1.2 on 11 of 13 obs.

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* JUN 08, 1992 23h 55m 48.12± 0.85s
54.633 N ±14.1km 163.404 W ±10.0km
DEPTH = 149.4 ± 8.3 km
4.4mb (3 obs.)
UNIMAK ISLAND REGION (10)
SDN 1.82 66 iP 56 22.82 1.4
iS 56 46.54
MCNL 6.74 44 eP 57 26.10 0.3
KDC 6.84 58 eP 57 25.83 -1.2X
0.3s 13.29nm 4.8mb X
CDD 6.88 47 eP 57 27.78 0.2
AUI 7.20 45 eP 57 31.97 0.0
AUH 7.21 45 P 57 33.00 0.8
AUP 7.22 45 P 57 33.20 0.9
AUL 7.23 45 eP 57 32.65 0.4
AUE 7.24 45 P 57 33.50 1.1
SYI 7.26 52 eP 57 32.32 -0.4
SVW 7.70 29 eP 57 38.34 -0.3
INW 7.78 41 eP 57 39.33 -0.4
INE 7.80 42 eP 57 40.55 0.5
HOM 8.13 47 eP 57 43.15 -1.2
RED 8.14 40 eP 57 43.64 -0.9
RS1 8.17 40 eP 57 44.82 -0.3
RS2 8.17 40 eP 57 45.26 0.1
RSO 8.18 40 eP 57 45.16 0.0
REF 8.21 40 eP 57 44.71 -0.9
CNPM 8.24 49 eP 57 44.74 -1.1
DFR 8.29 40 eP 57 45.46 -1.1
RDT 8.38 40 eP 57 47.88 0.2
ADK 8.43 256 eP 57 47.04 -1.2
NNL 8.49 45 eP 57 49.08 -0.1
BKG 8.76 38 eP 57 52.90 0.1
CKL 8.82 37 eP 57 54.07 0.4
BGL 8.85 37 eP 57 55.17 1.2
CKN 8.90 38 eP 57 55.71 1.2
CPKM 8.90 37 eP 57 56.18 1.3
SPU 8.91 38 eP 57 54.55 -0.2
CRP 8.93 37 ePn 57 53.93 -1.2
NCG 9.03 37 eP 57 57.25 0.9
TTA 9.16 22 eP 57 56.54 -1.5X
SLKM 9.20 45 eP 57 56.81 -1.8X
SEW 9.31 48 eP 57 58.48 -1.5X
SUA 9.57 39 eP 58 02.16 -1.4X
SKT 9.65 35 eP 58 04.88 0.4

PMS 9.89 42 eP 58 05.47 -2.2X
PTE 9.89 45 eP 58 05.68 -1.9X
PMR 10.26 41 (P) 58 09.87 -2.6X
CUT 10.37 36 eP 58 12.73 -1.1
KNK 10.42 43 eP 58 12.37 -2.3X
MID 10.46 56 eP 58 13.20 -1.8X
SML 10.70 42 eP 58 16.14 -2.1X
HIN 10.75 51 eP 58 16.64 -2.3X
SCM 11.10 43 eP 58 21.56 -2.1X
CVA 11.15 51 eP 58 21.83 -2.3X
VLZ 11.16 47 eP 58 22.21 -2.0X
KLU 11.50 46 eP 58 26.61 -2.2X
KAIM 11.54 55 eP 58 28.21 -1.0
TOA 11.71 43 eP 58 29.77 -1.8X
SDG 12.19 42 eP 58 35.15 -2.5X
GLB 12.39 49 eP 58 38.60 -1.7X
IMA 12.42 19 eP 58 40.28 -0.5
PAX 12.46 41 eP 58 38.20 -3.0X
TGL 12.56 52 eP 58 41.32 -1.3X
BALM 12.88 52 eP 58 45.74 -1.0
YAH 12.95 55 eP 58 47.66 -0.1
YKA 26.05 53 eP 01 14.20 5.5X
0.5s 1.50nm 3.9mb
KAF 63.35 355 iP 06 02.50 -0.2
0.4s 2.30nm 4.5mb
NUR 65.03 356 eP 06 13.60 0.1
HFS 65.56 2 eP 06 16.50 -0.5
0.4s 2.30nm 4.5mb
GUN 78.65 302 P 07 35.40 0.3
KKN 79.04 303 P 07 38.40 1.3
PKI 79.16 303 P 07 39.00 1.2
GKN 79.18 303 P 07 37.70 0.0
DMN 79.28 303 P 07 37.80 -0.6
S.D. = 0.8 on 45 of 67 obs.

% JUN 09, 1992 00h 00m 09.49± 0.60s
42.538 N ± 4.5km 18.677 E ± 4.9km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.6 (TTG).

HCY 0.16 236 iPgd 00 13.19 0.0
iSg 00 15.65
BDV 0.28 156 iPgc 00 15.40 0.1
iSg 00 19.61
NKY 0.36 41 iPgc 00 17.05 0.1
iSg 00 22.75
BRY 0.38 345 iPgc 00 17.20 0.0
iSg 00 23.24
TTG 0.45 104 iPgc 00 18.43 -0.1
iSg 00 25.49
PLE 0.95 33 iPgc 00 27.63 0.0
iSg 00 42.68
PVY 0.96 86 iPgd 00 27.79 0.0
iSg 00 43.13
IVA 0.96 69 iPgc 00 27.89 0.1
iSg 00 43.06
S.D. = 0.1 on 8 of 8 obs.

& JUN 09, 1992 00h 04m 18.74s
59.862 N 151.730 W
DEPTH = 62.1km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.9 (AEIC).

HOM 0.21 168 iPc 04 28.18 -0.4
NNL 0.28 50 iPd 04 29.58 0.5
CNPM 0.42 143 iPd 04 29.62 -0.6
iS 04 38.22
BRLK 0.44 103 ePd 04 29.89 -0.5
iS 04 38.73
IVS 0.70 283 eP 04 32.57 -0.9
INE 0.70 287 iPc 04 32.28 -1.1
eS 04 43.07
INW 0.74 287 iPc 04 32.74 -1.0
eS 04 44.03
RED 0.76 317 iPd 04 33.47 -0.6
eS 04 45.16
RDT 0.79 335 iPd 04 33.77 -0.6
RS1 0.79 320 iPd 04 34.06 -0.5
RSO 0.79 320 iPd 04 34.02 -0.5
RS2 0.79 320 iPd 04 34.06 -0.5
eS 04 45.84
REF 0.79 323 iPd 04 34.05 -0.5
eS 04 46.04
DFR 0.87 327 iPd 04 34.80 -0.7
AUE 0.98 240 iPc 04 35.94 -0.7
AUL 0.99 242 eP 04 36.25 -0.6
SLKM 0.99 49 ePd 04 36.27 -0.7
eS 04 50.47
AUP 0.99 240 ePc 04 36.42 -0.6
AUH 1.00 241 eP 04 36.64 -0.5
AUI 1.01 239 ePc 04 36.46 -0.7
eS 04 49.95
SEW 1.17 77 eP 04 38.90 -0.4
BKG 1.24 348 iPd 04 39.91 -0.4
eS 04 55.33
SYI 1.30 195 ePc 04 40.12 -0.9
SPU 1.33 353 eP 04 41.10 -0.5
eS 04 59.15
CDD 1.35 227 ePd 04 40.70 -1.1
eS 04 57.23
CKL 1.37 348 iPd 04 41.91 -0.3
CKN 1.38 351 eP 04 42.10 -0.2
CPKM 1.43 350 eP 04 43.20 0.2
BGL 1.44 347 eP 04 43.13 0.0
CGLM 1.46 355 eP 04 43.41 0.1
MCNL 1.49 244 ePc 04 42.32 -1.4
NCG 1.56 352 ePd 04 44.82 0.1
PTE 1.68 52 eP 04 45.98 -0.3
SUA 1.68 16 eP 04 46.42 0.0
PMS 1.75 37 P 04 47.50 0.2
PWA 2.01 26 P 04 51.40 0.5
SKT 2.13 3 ePc 04 52.74 0.2
PLRM 2.16 35 eP 04 52.16 -0.7
eS 05 18.90
KNK 2.24 45 ePc 04 53.44 -0.7
eS 05 20.26
GHO 2.36 34 eP 04 55.37 -0.5
SML 2.57 39 eP 04 57.90 -0.8
CUT 2.65 15 eP 04 59.77 0.0
HIN 2.67 76 eP 04 57.64 -2.5
MID 2.77 97 P 04 58.20 -3.4
SCM 2.92 46 eP 05 03.40 -0.5
VLZ 2.96 62 eP 05 02.24 -2.0
CVA 3.06 74 eP 05 04.13 -1.6
HUR 3.28 17 eP 05 09.32 0.5
KLU 3.29 58 ePd 05 07.38 -1.7
TOA 3.52 48 P 05 11.80 -0.4
TRF 3.67 10 eP 05 14.58 0.2
KAIM 3.69 86 eP 05 13.31 -1.1
KTH 3.72 6 eP 05 15.82 0.7
GLB 4.21 64 eP 05 19.27 -2.6
TGL 4.52 75 eP 05 25.16 -1.1
55 obs. associated

JUN 09, 1992 00h 24m 54.55± 0.11s
23.007 S ± 3.9km 176.365 W ± 3.6km
DEPTH = 78.7km (2 depth phases)
5.7mb (52 obs.)
SOUTH OF FIJI ISLANDS (171)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 00:24:56.0 0.6
Lat 22.88S 0.09 Lon 175.96W 0.05
Dep 71.1 5.6 Half-duration 2.4
Moment Tensor; Scale 10**17 Nm
Mrr= 1.82 0.19 Mtt= 0.52 0.29
Mff=-2.34 0.19 Mrt=-0.56 0.18
Mrf=-1.27 0.22 Mtf= 0.67 0.32
Principal Axes:
T Val= 2.45 Plg=63 Azm=141
N 0.32 23 357
P -2.77 14 261
Best Double Couple:Mo=2.6*10**17
NP1:Strike=323 Dip=37 Slip= 50
NP2: 189 63 116

RAO 6.37 192 eP 26 30.60 2.8
S 27 40.00
SVA 6.87 314 ePc 26 38.20 3.6X
SGE 7.60 314 eP 26 51.00 6.2X
AFI 10.04 26 eP 27 12.00 -6.2X
e 28 38.00
WCZ 15.20 210 eP 28 28.30 2.2X
BKM 15.38 287 iPc 28 38.20 9.8X
PUZ 15.71 196 eP 28 27.30 -5.2X
eS 31 08.40
DZM 15.91 270 iPc 28 41.00 5.8X
iS 31 51.10
NOZ 16.28 196 eP 28 38.40 -1.2
MOZ 17.20 204 eP 28 49.30 -1.7
PGZ 18.63 198 eP 29 03.30 -5.1X
MRW 19.66 200 eP 29 15.00 -4.7X
QRZ 20.08 205 eP 29 21.00 -3.1X
THZ 20.75 203 eP 29 27.70 -3.3X
eS 33 03.20
KHZ 21.11 201 eP 29 29.50 -5.0X
eS 33 08.10
DSZ 21.15 205 eP 29 31.00 -4.0X
LTZ 21.87 203 eP 29 38.80 -3.4X
MQZ 22.55 201 eP 29 48.40 -0.4
eS 33 38.20
EWZ 23.02 204 eP 29 53.00 -0.3
LMZ 23.82 206 eP 29 58.60 -2.5
TBI 24.73 96 iP 30 09.80 -0.2
1.2s 315.00nm 5.6mb
MSZ 25.16 207 eP 30 14.20 0.4
0.6s 65.00nm 5.3mb
PAE 25.65 83 iP 30 17.20 -1.5
1.2s 145.00nm 5.3mb
PPT 25.68 83 iP 30 17.80 -1.2
1.2s 190.00nm 5.5mb
PPN 25.83 83 iP 30 19.00 -1.3
1.2s 125.00nm 5.3mb
TVO 25.92 83 iP 30 19.80 -1.4
1.2s 160.00nm 5.4mb
BCZ 26.28 205 eP 30 23.50 -0.7
ARMA 29.46 249 iPc 30 55.00 1.7
0.9s 66.00nm 5.3mb
RMQ 31.81 257 iPd 31 15.00 1.1
1.0s 129.00nm 5.7mb
CNB 32.18 240 iPd 31 19.00 1.9
CMS 34.52 248 iPd 31 37.00 -0.3
CTA 34.83 268 P 31 41.29 1.2
TOO 35.73 237 eP 31 48.00 0.4
0.9s 65.00nm 5.6mb
QLP 35.85 256 eP 31 49.00 0.4
MCQ 36.48 204 eP 31 57.00 3.4X
PMG 37.43 285 iPd 32 02.00 0.0
BFD 37.96 239 eP 32 05.00 -1.2
0.9s 35.00nm 5.3mb
STK 38.15 247 eP 32 08.10 0.2
0.9s 13.30nm 4.9mb
eS 37 54.90
OIS 40.85 265 iPd 32 30.20 -0.2
ASPA 45.48 259 iPc 33 07.50 -0.4
1.2s 135.50nm 5.7mb
e 34 46.00 532kmX
MHA 47.35 27 eP 33 21.81 -0.7
FORT 49.75 248 eP 33 39.00 -2.0
MTN 50.74 272 eP 33 48.00 -0.8
DRV 51.53 201 iP 33 54.80 0.8
WARB 51.57 254 eP 33 53.00 -2.0
0.3s 9.00nm 5.3mb
KNA 52.02 268 iPd 33 58.10 -0.3
0.4s 47.00nm 5.9mb
GUA 52.50 310 eP 34 01.50 -0.5
1.0s 240.00nm 6.2mb
GUMO 52.57 310 eP 34 01.90 -0.6
0.9s 197.50nm 6.1mb
PJG 52.57 310 eP 34 02.20 -0.3
SBA 55.49 184 iPc 34 25.80 2.7X
MEEK 58.56 252 eP 34 43.50 -2.1
MBL 58.73 258 iPc 34 45.20 -1.5
MUN 59.64 245 eP 34 51.00 -1.9
BIP 64.13 292 eP 35 04.00 -19.1X
CGP 65.57 291 eP 35 30.50 -1.9
SPA 67.13 180 iPc 35 43.50 1.7
1.0s 98.00nm 5.7mb
PPR 71.36 290 ePc 36 25.00 16.7X
ADK 74.56 360 iP 36 25.27 -1.0
0.9s 177.08nm 6.0mb
AIA 78.08 157 eP 36 47.00 1.1
BCH 78.69 44 ePc 36 50.26 0.3
PET 78.76 345 eP 36 49.00 -0.7
1.5s 100.00nm 5.5mb
YSS 78.87 333 ePc 36 49.90 -0.5
1.0s 40.00nm 5.3mb
PHAM 78.90 43 eP 36 51.24 0.3
ABL 79.04 45 ePc 36 51.74 -0.3
OZH 79.05 303 eP 36 52.00 0.1
ARN 79.15 42 ePc 36 52.54 0.2
SDN 79.20 9 iPd 36 51.33 -0.7
0.8s 160.10nm 6.0mb
PKEM 79.22 43 eP 36 53.89 1.2
SSK 79.66 46 eP 36 54.70 -0.6
PLM 79.70 47 eP 36 55.11 -0.4
e 38 52.00 542kmX

09d 00h

MAW 79.73 200 iPc 36 56.40 1.6
1.0s 160.00nm 5.9mb
PEC 79 82 47 ePc 36 55.42 -0.6
0.8s 30.94nm 5.3mb
ISA 80.02 44 ePc 36 57.26 0.2
1 0s 140.34nm 5.8mb
ORV 80.59 40 ePc 36 59.60 -0.3
LTCM 80.65 39 eP 37 00.77 0.6
GLA 80.92 48 ePd 37 02.01 0.2
LBFM 81.53 38 ePc 37 05.14 0.2
BONR 81.53 43 eP 37 05.32 0.1
GZH 82.26 299 Pd 37 11.00 2.1
TNP 82.29 43 ePc 37 09.15 0.1
0.9s 69.08nm 5.6mb
KVN 82.33 42 eP 37 09.74 0.6
e 37 30.23 76km
NJ2 82.64 309 Pd 37 11.50 0.9
0.9s 33.00nm 5.3mb
KDC 82.89 13 iP 37 11.72 0.4
1.1s 82.60nm 5.6mb
MDJ 83.43 324 eP 37 14.50 0.1
1.2s 31.00nm 5.1mb
BMW 84.20 34 ePc 37 18.91 0.6
SHW 84.52 34 eP 37 20.93 0.9
ARUT 84.54 45 ePc 37 20.94 0.5
VGB 84.85 36 eP 37 21.73 0.1
LON 85.11 34 ePc 37 22.72 -0.2
GMW 85.14 33 ePc 37 23.22 0.2
WHN 85.14 306 Pd 37 24.50 1.2
1.0s 18.00nm 5.0mb
SVW 85.48 10 ePc 37 23.79 -0.7
0.8s 43.92nm 5.5mb
e 39 16.00 506kmX
PGC 85.55 32 eP 37 26.00 1.1
MSU 85.77 45 ePc 37 27.07 0.4
e 37 49.25 82km
MCW 85.87 32 ePc 37 26.97 0.3
SLKM 85.90 13 ePc 37 25.70 -0.8
TIA 86.08 312 eP 37 28.50 0.6
1.4s 89.00nm 5.6mb
CRP 86.22 11 ePc 37 26.84 -1.4
SNA 86.84 178 iPc 37 31.60 0.5
1.1s 101.27nm 5.8mb
MGD 87.04 344 ePc 37 31.00 -1.0
e 37 41.00 31kmX
PMR 87.11 13 eP 37 31.24 -1.0
1.2s 186.13nm 6.0mb
TTA 87.15 9 ePc 37 32.46 -0.2
1.2s 176.16nm 6.1mb
SRU 87.18 45 ePc 37 33.46 0.0
HVU 87.22 42 ePd 37 33.55 0.0
DAU 87.41 44 ePc 37 34.66 0.0
KLU 87.70 14 ePc 37 34.67 -0.6
DPW 87.71 35 ePc 37 35.38 -0.2
ALO 87.80 51 ePc 37 36.97 0.5
1.0s 67.90nm 5.7mb
PNT 87.89 33 ePc 37 37.00 0.6
1.0s 115.00nm 5.9mb
PTI 88.08 41 ePd 37 38.06 0.4
HPI 88.11 40 ePc 37 42.02 4.1X
BALM 88.15 16 ePc 37 37.22 -0.3
BJI 88.73 315 eP 37 40.50 0.0
1.5s 58.00nm 5.5mb
GYA 89.20 299 P 37 44.00 0.7
LRM 89.68 39 eP 37 44.20 -1.1
PEL 89.85 126 iPd 37 47.50 1.2
1.2s 87.50nm 5.8mb
TIY 90.07 311 eP 37 48.00 1.0
1.0s 43.00nm 5.6mb
Z 40s 4.98um 5.6MszX
N 17s 2.25um
FBA 90.36 12 eP 37 46.79 -0.9
0.6s 81.30nm 6.2mb
IMA 90.46 9 ePc 37 47.70 -0.6
1.1s 72.71nm 5.9mb
ILT 90.65 359 iPc 37 49.00 0.2
1.4s 81.00nm 5.8mb
eS 48 38.00
XAN 90.85 307 Pc 37 51.50 0.9
1.0s 50.00nm 5.8mb
GOL 90.90 47 eP 37 51.66 0.6
1.0s 45.87nm 5.7mb
KMI 91.83 296 Pd 37 57.50 1.9
1.4s 100.00nm 6.0mb
HHC 92.18 314 Pd 37 57.80 1.1
1.0s 29.00nm 5.6mb
CHTO 92.51 289 iPd 37 57.90 -0.6

SES 93.00 36 eP 38 00.00 -0.2
1.1s 121.00nm 6.2mb
pP 38 06.00 19kmX
BTO 93.10 313 eP 38 02.00 1.1
CD2 93.41 302 eP 38 03.60 1.1
MEO 93.45 54 iPc 38 02.10 -0.5
ACO 93.86 52 iPc 38 05.10 0.7
FNO 94.53 54 iPd 38 08.20 0.7
FKO 94.54 54 iPc 38 07.80 0.2
OCO 94.59 53 iPc 38 09.50 1.7
YAK 94.97 338 eP 38 07.50 -1.4
1.5s 132.00nm 6.1mb
BRW 95.05 6 ePc 38 09.07 0.0
LZH 95.49 307 eP 38 13.00 0.9
1.4s 41.00nm 5.7mb
Z 18s 8.82um 6.3Msz
N 15s 5.02um
SIO 95.54 54 eP 38 12.00 -0.2
VVO 95.80 54 eP 38 13.20 -0.1
TUL 95.99 54 eP 38 13.50 -0.7
1.2s 37.60nm 5.8mb
LNO 96.00 54 eP 38 13.30 -0.8
RLO 96.67 54 eP 38 16.90 -0.3
YKA 98.15 24 eP 38 22.50 -0.7
0.9s 8.30nm 5.3mb
LPB 99.62 113 P 38 35.10 3.5X
ZOBO 99.70 112 P 38 35.20 3.0X
GTA 99.72 309 eP 38 32.00 0.8
1.5s 15.00nm 5.4mb
MBC 104.91 12 ePdiff38 56.00 2.7X
GKN 107.99 293 Pdiff 39 00.00 -8.4X
NRI 113.26 337 ePKPd 43 23.00 -0.9
0.9s 15.00nm
BNH 116.33 50 ePKP 43 29.65 -0.9
LMN 120.97 49 ePKP 43 40.00 0.7
JOZ 122.81 210 iPKPc 43 41.50 -1.9
0.7s 20.55nm
FRS 123.55 203 iPKPc 43 42.40 -2.4X
0.8s 48.51nm
BLF 123.82 204 iPKPd 43 45.70 0.1
0.7s 10.00nm
i 44 10.70
SEK 123.97 206 iPKPc 43 47.70 1.8
0.8s 89.55nm
i 44 05.00
PDCR 125.23 126 iPKPd 43 47.50 -0.9
PRY 125.27 206 iPKPc 43 48.10 -0.3
0.7s 10.00nm
i 44 05.00
SLR 125.98 208 ePKP 43 48.60 -1.3
1.0s 20.00nm
KSR 126.45 206 iPKPc 43 51.50 0.7
1.0s 50.00nm
i 44 08.50
BUL 130.67 212 iPKPc 43 58.60 -0.3
0.8s 21.64nm
i 44 11.80
i 44 22.00
i 47 21.00
KEV 131.20 349 ePKP 43 58.00 -0.2
0.6s 18.30nm
KRI 132.96 215 iPKPd 43 59.60 -3.7X
i 44 05.20
i 44 56.00
i 47 44.00
LSZ 135.00 215 iPKP 44 07.20 0.0
MOS 138.81 331 ePKP 44 12.00 -1.0
1.8s 1.00nm
e 44 20.00
OBN 139.67 331 ePKP 44 06.80 -7.8X
1.5s 98.00nm
i 44 14.00
NUR 139.76 344 ePKP 44 04.90 -9.6X
NB2 141.63 354 PKP 44 10.20 -7.8X
0.9s 1.15nm
UPP 141.88 349 iPKP 44 11.60 -6.8X
i 45 30.50
UPP 141.88 349 iPKP 44 16.00 -2.4X
i 45 30.50
HFS 142.23 352 ePKP 44 12.30 -6.7X
1.0s 13.90nm
MNK 144.26 336 ePKP 44 19.00 -3.6X
EDR 145.83 6 ePKPd 44 25.40 0.2
1.1s 75.00nm
ELO 146.14 7 ePKPd 44 26.50 0.7
0.9s 123.00nm
EDU 146.14 7 ePKPd 44 26.50 0.7

0.9s 208.00nm
EAB 146.34 8 ePKPd 44 27.00 0.9
1.0s 137.00nm
EBH 146.38 7 ePKPd 44 27.20 1.0
0.9s 242.00nm
EDI 146.74 7 ePKPd 44 28.30 1.6
1.1s 72.00nm
EAU 146.79 7 ePKPd 44 28.60 1.8
1.1s 200.00nm
ESY 146.81 6 ePKPd 44 28.30 1.5
1.0s 102.00nm
BSD 146.85 348 iPKPd 44 28.60 1.7
1.0s 180.00nm
e 44 50.00
EBL 146.90 7 ePKPd 44 28.80 1.8
1.0s 152.00nm
EKA 147.32 7 PKP 44 29.00 1.3
1.0s 72.60nm
KVT 147.40 311 iPKP 44 24.80 -3.5X
DMU 148.14 12 iPKPc 44 31.80 2.8X
1.0s 209.00nm
DCN 148.59 13 iPKPc 44 33.00 3.2X
0.9s 238.00nm
KIS 148.62 326 iPKPc+44 32.00 2.0X
1.0s 300.00nm
i 44 46.00
DLF 148.78 12 iPKPc 44 33.70 3.7X
1.0s 360.00nm
KAS 148.83 313 ePKP 44 31.00 0.3
ETA 149.42 12 ePKP 44 35.30 4.3X
ECB 149.62 13 ePKP 44 36.10 4.8X
1.3s 246.00nm
BRN 149.73 348 ePKP 44 32.50 1.0
ECP 149.88 12 ePKP 44 36.70 5.0X
1.3s 431.00nm
PTT 149.92 328 ePKP 44 37.00 5.0X
OJC 150.03 339 ePKP 44 32.00 -0.1
1.2s 320.00nm
e 44 37.50
e 44 44.00
DVR 150.10 314 ePKP 44 32.00 -0.6
WIT 150.15 356 ePKP 44 34.00 1.9X
e 44 38.50
e 44 45.00
CFR 150.18 324 ePKP 44 43.00 10.6X
BBTK 150.19 311 iPKPd 44 35.00 2.2X
SGKT 150.35 313 iPKP 44 38.00 4.9X
UZH 150.45 335 iPKPc+44 38.00 5.3X
1.0s 1170.00nm
i 44 46.80
VRI 150.49 326 ePKPc 44 38.00 5.1X
KSP 150.52 344 ePKP 44 32.20 -0.6
RAC 150.66 341 ePKP 44 39.00 6.0X
1.0s 0.40nm
i 44 40.10
e 46 01.00
e 56 00.00
CVO 150.80 327 ePKP 44 41.50 8.1X
CLL 150.83 348 iPKPc 44 32.80 -0.4
1.2s 340.00nm
Z 17s 0.50um 5.4MszX
i 44 38.90
e 56 13.00
WTS 150.96 356 ePKP 44 34.00 0.7
1.0s 244.00nm
e 44 39.00
e 44 50.00
NAL 151.03 313 ePKP 44 34.00 -0.1
BRG 151.05 346 iPKP 44 32.70 -0.9
i 44 39.20
i 44 46.30
i 44 57.00
ipPKP 45 40.50
e 49 44.00
eSKKP 56 11.40
e 56 48.00
ISR 151.07 325 ePKPc 44 40.00 6.1X
MLR 151.14 326 ePKPd 44 33.00 -1.1
GYN 151.35 313 ePKP 44 40.80 6.3X
EYL 151.62 314 iPKP 44 40.50 5.6X
GPA 151.66 314 ePKP 44 41.00 6.1X
MOX 151.72 349 iPKP 44 34.30 -0.3
1.8s 47.00nm
i 44 41.00
i 44 50.10
PRU 151.74 345 ePKP 44 34.50 -0.1
1.2s 100.00nm

i 44 41.20
e 44 57.50
PP 49 40.00
e 56 11.50
PRU 151.74 345 iPKPc 44 36.00 1.4
1.3s 78.50nm
Z 24s 1.40um 5.7MszX
N 24s 0.80um
E 24s 1.30um
i 44 40.30
e 44 55.40
ePP 49 46.00
TNR 151.86 328 ePKPc 44 42.00 7.0X
BUC1 151.88 325 ePKPd 44 40.00 5.0X
PSZ 151.95 336 ePKP 44 34.50 -0.6
BNS 151.96 355 iPKPd 44 42.40 7.5X
1.0s 84.00nm
GBZT 151.97 315 ePKP 44 41.20 5.9X
COZ 152.07 328 ePKP 44 43.00 7.5X
ISK 152.07 316 iPKP 44 41.60 6.2X
ITU 152.08 316 iPKPd 44 49.00 13.6X
YLV 152.13 315 ePKP 44 41.10 5.5X
IZI 152.19 314 iPKP 44 42.00 6.3X
ENN 152.23 357 ePKP 44 35.00 -0.3
1.0s 96.00nm
e 44 42.00
e 44 49.00
PPCY 152.33 302 ePKP 44 30.50 -5.4X
ALT 152.38 312 iPKP 44 43.00 6.9X
MEM 152.39 357 iPKPc 44 36.53 1.0
id 44 42.93
DMK 152.46 319 ePKP 44 43.30 7.3X
BUD 152.64 337 e(PKP)44 35.00 -1.0
ZST 152.67 340 ePKP 44 36.20 0.2
i 44 43.70
i 44 54.90
e 49 27.40
e 50 13.50
GRF 152.71 349 iPKPc 44 36.20 0.2
1.4s 28.00nm
Z 22s 1.20um 5.7Msz
e 44 43.80
KHC 152.77 346 iPKPc 44 36.00 -0.2
1.3s 78.50nm
Z 24s 1.40um 5.7MszX
N 24s 0.80um
E 24s 1.30um
i 44 40.30
e 44 55.40
ePP 49 46.00
WET 152.91 347 iPKPd 44 36.90 0.5
e 44 43.90
e 44 55.50
KCT 152.96 315 iPKP 44 44.10 7.4X
GEC2 153.01 345 PKP 44 34.80 -1.8
1.0s 7.00nm
KHL 153.12 311 iPKP 44 44.50 7.4X
BNT 153.18 316 ePKP 44 45.00 8.0X
EDC 153.23 316 iPKP 44 52.50 15.4X
ELL 153.52 307 iPKP 44 41.50 3.7X
UZD 153.55 336 e(PKP)44 37.00 -0.3
FLN 154.09 6 ePKP 44 37.50 -0.5
1.3s 12.25nm
Z 23s 0.43um 5.2MszX
FUR 154.16 348 iPKPc 44 37.80 -0.3
i 44 46.50
i 45 00.90
BEO 154.25 332 ePKP 44 37.50 -0.8
BHG 154.25 346 ePKP 44 37.30 -1.0
i 45 02.30
GRR 154.42 7 ePKP 44 38.60 0.2
1.3s 17.35nm
CDF 154.48 354 ePKP 44 38.00 -0.6
1.4s 10.00nm
EZN 154.50 316 ePKP 44 38.00 -0.8
IZM 154.65 313 iPKP 44 52.90 13.8X
KBA 154.74 344 iPKPd 44 38.50 -0.6
1.1s 52.10nm
i 44 46.90
i 45 04.00
e 48 22.00
e 56 14.00
LPF 154.75 7 ePKP 44 39.10 0.3
1.3s 15.90nm
WTTA 154.96 347 iPKPd 44 39.40 0.0
1.3s 103.00nm
i 44 48.80

i 45 04.80
HAU 154.96 356 ePKP 44 38.90 -0.3
1.3s 16.20nm
Z 21s 0.20um 4.9Msz
PTJ 155.06 339 iPKP 44 39.80 0.3
BSF 155.10 355 ePKP 44 39.00 -0.5
1.7s 30.90nm
LJU 155.37 342 ePKP 44 39.00 -0.8
OGA 155.46 348 ePKP 44 40.60 0.5
VOY 155.57 343 ePKP 44 39.30 -0.9
ePKPob45 05.90
VBY 155.64 340 iPKP 44 40.70 0.5
e 44 49.80
ePKPob45 07.20
e 45 36.00
LOR 155.79 360 ePKP 44 40.20 -0.2
1.5s 47.55nm
Z 22s 0.57um 5.4Msz
VAY 155.79 323 ePKP 44 38.00 -2.5X
1.3s 110.00nm
i 45 08.00
i 45 29.00
TRI 155.90 342 ePKP 44 40.00 -0.5
e 49 44.00
e 03 24.00
SKO 155.94 326 iPKP 44 39.60 -1.1
1.5s 58.00nm
Z 20s 0.69um 5.5Msz
i 45 09.50
i 45 16.00
i 45 35.00
iPSP 48 48.00
iS 56 47.00
LR 42 04.00
SSF 156.00 0 ePKP 44 40.60 0.0
1.3s 28.90nm
LBF 156.07 359 ePKP 44 40.60 -0.2
1.6s 47.90nm
CTI 156.11 346 PKP 44 40.50 -0.5
AVF 156.27 0 ePKP 44 40.60 -0.4
1.7s 22.80nm
SMF 156.42 360 ePKP 44 41.00 -0.2
1.1s 14.15nm
BGF 156.49 1 ePKP 44 41.20 -0.1
1.3s 15.15nm
BCAO 156.58 220 iPKPc 44 42.20 -0.2
0.8s 74.00nm
id 45 06.80
ic 45 26.00
ic 47 30.00
TCF 156.74 3 ePKP 44 41.40 -0.3
1.3s 16.25nm
LSF 156.75 4 ePKP 44 41.10 -0.5
1.6s 22.40nm
OHR 156.89 325 ePKP 44 41.00 -1.0
LPL 157.40 354 ePKP 44 42.80 0.0
1.3s 11.20nm
LPG 157.42 354 ePKP 44 43.00 0.1
1.1s 10.00nm
RJF 157.69 4 ePKP 44 42.60 -0.2
1.4s 22.65nm
BNI 157.87 354 PKP 44 39.30 -3.9X
SFI 158.07 344 PKPd 44 43.70 0.5
MME 158.08 346 PKP 44 55.10 11.5X
CAF 158.10 3 ePKP 44 43.40 0.1
1.3s 14.10nm
PGD 158.14 344 PKP 44 50.50 6.9X
BDI 158.23 346 PKP 44 51.60 8.0X
CRE 158.31 343 PKP 44 47.10 3.4X
FIR 158.35 345 ePKP 44 43.00 -0.6
SDI 159.50 338 PKP 44 56.40 11.4X
ECRI 159.79 13 ePKP 44 46.33 1.0
EGRA 160.58 9 ePKP 44 47.38 1.4
EPLA 161.11 24 iPKPd 44 46.37 -0.3
GUD 161.23 19 iPKPd 44 48.51 1.6
LIC 161.34 152 PKP 44 48.10 0.5
KIC 161.59 153 PKP 44 48.10 0.2
ETOR 161.60 14 iPKPd 44 47.39 0.2
KDS 161.70 122 iPKP 44 47.50 -0.4
TIC 161.72 152 PKP 44 48.20 0.2
EVAL 162.95 29 iPKPd 44 49.60 1.0
EHUE 164.30 19 iPKPd 44 50.67 0.7
ECOG 164.48 22 iPKPc 44 50.13 -0.1
NKM 165.31 30 ePKP 45 01.00 10.2X
i 45 51.00
AVE 165.87 41 ePKP 44 52.00 0.7
i 45 20.00

IFR 167.00 34 ePKP 44 51.00 -1.5
TIO 167.49 49 iPKPd 44 54.50 1.7
i 45 59.00
S.D. = 0.9 on 223 of 302 obs.

% JUN 09, 1992 00h 30m 50.32± 1.35s
18.338 N ±15.8km 66.402 W ± 9.8km
DEPTH = 33.0km (normal)
PUERTO RICO REGION (90)
CLLP 0.31 213 iP 30 58.70 0.6
S 31 14.80
APR 0.33 290 iP 30 59.00 0.5
PORP 0.36 218 iP 30 58.80 -0.1
S 31 15.10
LRS 0.42 264 iP 30 59.00 -0.8
S 31 15.70
LPR 0.51 93 iP 30 55.80 -5.3X
S 31 10.80
CPD 0.55 123 iP 31 01.50 -0.2
MGP 0.73 243 iP 31 01.30 -2.9X
S.D. = 0.8 on 5 of 7 obs.

JUN 09, 1992 00h 31m 56.31± 0.14s
8.474 S ± 3.5km 111.100 E ± 3.6km
DEPTH = 63.9km (geophysicist)
5.9mb (68 obs.)
JAWA, INDONESIA (277)
Mo=7.9•10••17 Nm (PPT). Felt at Yogyakarta, Semarang and Surabaya. Two events about 2.1 seconds apart. Depth from broadband displacement seismograms, based on first event.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 95 Dip=77 Slip= -90
NP2: 275 13 -90
Principal Axes:
T Plg=32 Azm=185
P 58 5
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 4.4±0.8•10••12 Nm
MOMENT TENSOR SOLUTION
Dep 66 No. of sta: 16
Moment Tensor; Scale 10••18 Nm
Mrr=-0.73 Mtt= 0.30
Mff= 0.43 Mrt=-1.47
Mrf=-0.15 Mtf=-0.28
Principal axes:
T Val= 1.37 Plg=34 Azm=191
N 0.45 11 93
P -1.81 54 348
Best Double Couple:Mo=1.6•10••18
NP1:Strike=320 Dip=15 Slip= -42
NP2: 91 80 -101
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, 94C
Centroid Location:
Origin Time 00:32: 2.4 0.3
Lat 8.45S 0.02 Lon 111.11E 0.03
Dep 109.9 1.6 Half-duration 4.3
Moment Tensor; Scale 10••18 Nm
Mrr=-0.29 0.03 Mtt=-0.17 0.04
Mff= 0.45 0.06 Mrt=-1.50 0.03
Mrf= 0.13 0.03 Mtf=-0.35 0.04
Principal Axes:
T Val= 1.41 Plg=40 Azm=207
N 0.34 17 102
P -1.74 46 354
Best Double Couple:Mo=1.6•10••18
NP1:Strike= 1 Dip=17 Slip= -11
NP2: 101 87 -107

SRDI 3.01 90 iPd 32 44.00 1.4
PACI 4.55 294 iPc 33 06.90 2.4
eS 33 55.00
KALI 4.61 287 iPc 33 06.20 1.0
PENI 6.56 296 eP 33 34.80 2.5
TANI 9.64 59 eP 34 17.20 2.3

09d 00h

BUNI 10.34 63 eP 34 26.30 1.8
KGM 12.99 323 ePc 35 04.00 4.1X
1.2s 1230.20nm 6.6mb
TSM 14.37 28 ePd 35 23.90 6.0X
KLM 14.87 320 eP 35 27.00 2.6
KKM 15.30 20 ePd 35 33.50 3.5X
1.4s 263.10nm 5.2mb
IPM 16.40 322 ePd 35 45.40 1.4
1.3s 158.50nm 5.0mb
KNA 18.72 114 eP 36 11.10 -1.4
0.4s 153.00nm 5.6mb
eS 39 25.00
SNG 18.73 326 iPd 36 12.70 0.0
1.9s 1684.21nm 5.9mb
eS 39 42.00
MEEK 19.42 159 eP 36 17.50 -2.9
MTN 20.15 104 eP 36 28.00 -0.1
eS 40 05.00
MRWA 21.14 168 eP 36 36.60 -1.5
0.3s 25.00nm 5.1mb
e 37 02.00
eS 40 18.00
CGP 21.59 39 eP 36 44.00 1.3
BIP 22.43 43 ePd 36 54.00 3.0X
WARB 22.98 142 eP 36 56.00 -0.4
NNT 23.78 331 eP 37 04.00 -0.1
MUN 23.86 169 eP 37 04.00 -0.8
Z 20s 25.40um 5.7Msz
e 37 21.00
e 37 24.00
eS 41 25.00
PLP 23.90 36 ePc 37 06.00 0.7
PGP 23.92 24 iP 37 10.00 4.5X
TGY 24.46 24 eP 37 19.80 9.1X
TAY 24.66 25 eP 37 14.00 1.4
NWAO 24.99 168 eP 37 14.40 -1.2
e 38 07.00
KHT 26.23 332 eP 37 29.50 2.3
NST 26.34 336 eP 37 30.50 2.3
ASPA 26.55 127 iPc 37 29.10 -1.1
0.9s 246.80nm 5.8mb
eS 41 55.50
QIZ 27.36 357 eP 37 37.50 0.0
N 16s 8.20um
BDT 28.21 335 eP 37 44.00 -1.2
0.8s 93.40nm 5.5mb
PIP 28.24 19 ePd 37 47.00 1.6
CHG 29.65 336 ePd 37 57.80 -0.4
1.1s 38.92nm 5.0mb
eS 43 32.00
QIS 30.03 117 iPc 38 00.20 -1.4
0.4s 81.00nm 5.8mb
i 38 20.00
HKC 30.73 6 eP 38 07.70 0.0
GZH 31.44 4 P 38 13.00 -0.9
Z 38s 17.00um 5.4MszX
N 13s 3.35um
E 15s 2.34um
SS 45 06.00
MNDI 32.37 88 eP 38 24.10 1.7
WWKK 32.69 84 eP 38 23.00 -2.0
QZH 34.01 12 Pd 38 36.00 -0.2
Z 24s 10.50um 5.5MszX
N 16s 5.01um
KMI 34.37 346 iPd 38 41.23 1.6
Z 16s 15.30um 5.8MszX
N 14s 9.00um
E 13s 4.60um
ed 38 43.05
ec 39 01.67
ePP 40 01.01
S 44 05.00
MDG 34.57 87 eP 38 41.50 0.3
TATO 34.75 17 ePc 38 40.13 -2.5
ed 38 59.16
ePP 40 03.39
GYA 34.99 353 iPd 38 46.00 1.3
Z 34s 53.30um 6.1MszX
N 20s 12.60um
E 20s 9.54um
S 44 14.00
ScP 44 55.40
ScS 48 56.80
PMG 35.62 94 e(P) 38 49.50 -0.6
CTA 35.89 113 P 38 53.59 1.2
QLP 36.20 124 eP 38 55.00 0.1
0.6s 183.00nm 6.2mb
i 39 16.80
FINC 36.48 90 eP 38 57.60 0.2
ADE 36.54 140 iPc 38 58.20 0.5
1.2s 137.50nm 5.8mb
STK 36.67 134 iPc 38 57.00 -1.8
0.4s 64.20nm 5.9mb
iPcP 41 21.10
iScP 44 59.60
eS 46 16.40
KOD 38.29 298 eP 39 13.00 0.0
eS 45 01.00
ENH 38.55 358 iPd 39 14.86 0.4
epPd 39 29.84 59kmX
ePP 40 48.54
i 41 10.56
WHN 38.92 4 Pd 39 19.20 1.6
1.5s 130.00nm 5.6mb
Z 32s 13.90um 5.6MszX
N 14s 1.39um
E 16s 3.88um
S 45 13.00
CMS 39.59 130 eP 39 23.00 -0.2
1.0s 77.00nm 5.5mb
e 45 13.00
CD2 39.79 350 P 39 23.20 -1.7
Z 22s 8.09um 5.5Msz
E 14s 3.82um
pP 39 45.00 92kmX
S 45 21.00
sS 45 59.50
RMQ 39.93 121 eP 39 26.00 -0.1
0.6s 59.00nm 5.6mb
i 39 45.00
i 45 16.00
GUMO 40.05 57 P 39 26.80 -0.4
Z 35s 5.47um 5.2MszX
PJG 40.05 57 eP 39 26.70 -0.5
GUA 40.06 57 P 39 26.90 -0.4
0.5s 298.59nm 6.4mb
e 39 28.30
BFD 40.34 140 iPc 39 27.80 -1.5
0.5s 63.00nm 5.7mb
e 48 05.00
SSE 40.51 13 ePd 39 32.42 1.7
1.4s 675.00nm 6.3mb
Z 20s 4.10um 5.3Msz
N 16s 2.40um
E 16s 2.50um
ed 39 34.57
epPd 39 48.81 65kmX
esPc 39 56.83
ePP 41 14.05
ScP 45 13.00
S 45 32.00
i 45 47.50
i 46 04.00
ScS 49 20.00
NJ2 40.97 10 iPd 39 35.00 0.5
1.0s 200.00nm 5.9mb
N 17s 2.59um
E 17s 5.13um
PcP 41 37.00
ScP 45 17.00
S 45 43.00
RAB 41.02 87 eP 39 37.00 1.8
HYB 41.19 309 eP 39 36.10 -0.4
eS 45 40.00
XAN 42.33 357 P 39 46.00 0.3
1.6s 120.00nm 5.4mb
N 17s 7.51um
S 46 00.00
TOO 42.48 138 iPc 39 48.30 1.4
0.6s 52.00nm 5.5mb
i 41 27.50
i 45 26.00
LSA 42.53 334 ePc 39 46.78 -1.1
N 17s 3.04um
E 10s 0.46um
epP 40 01.76 58kmX
ePP 41 29.24
S 46 02.00
PKI 43.62 326 P 39 54.00 -2.6
GUN 43.63 327 P 39 53.20 -3.5X
ARMA 43.68 126 iPd 39 59.00 2.2
0.4s 15.00nm 5.1mb
iS 45 31.00
KAGJ 43.76 25 P 39 57.40 0.2
DMN 43.82 326 P 39 55.60 -2.5
KKN 43.86 326 P 39 55.80 -2.6
CNB 43.99 133 iPc 40 00.10 0.8
1.2s 111.00nm 5.5mb
i 41 46.00
GKN 44.38 326 P 40 00.00 -2.6
RIV 44.65 130 iPd 39 56.30 -8.2X
Z 22s 8.00um 5.6Msz
i 40 06.40
i 46 38.00
e 50 00.00
TIA 44.81 7 Pd 40 05.40 -0.3
Z 42s 14.10um 5.6MszX
N 13s 1.26um
E 15s 3.68um
PcP 41 47.60
ScP 45 32.50
LZH 44.84 352 iPd 40 07.14 1.0
1.8s 250.00nm 5.7mb
Z 35s 12.90um 5.6MszX
N 18s 1.63um
ed 40 09.37
ePP 41 47.78
PcP 41 49.00
ScP 45 33.00
PcS 45 40.00
eS 46 38.00
sS 47 10.00
KUMJ 44.91 24 P 40 06.60 0.1
POO 45.51 306 iPd 40 20.60 9.1X
iS 46 55.40
TIY 45.96 1 Pc 40 15.00 0.2
0.9s 61.00nm 5.5mb
Z 32s 8.39um 5.5MszX
N 18s 2.66um
E 14s 2.17um
pP 40 33.50 75kmX
S 46 53.50
SHK 47.40 24 ePd 40 25.50 -0.7
DL2 48.14 11 eP 40 31.00 -0.9
1.0s 170.00nm 6.0mb
Z 40s 6.93um 5.3MszX
N 16s 5.10um
HNR 48.23 95 eP 40 34.00 1.0
BJI 48.50 5 ePd 40 33.89 -0.7
1.5s 550.00nm 6.3mb
Z 40s 11.40um 5.6MszX
N 20s 4.20um
ed 40 35.88
epPd 40 50.86 67kmX
ePcP 42 00.63
ePP 42 24.30
ScP 45 47.00
eS 47 24.00
eScS 50 19.00
GTA 48.78 348 iPd 40 37.50 0.5
1.5s 170.00nm 5.8mb
Z 22s 13.20um 5.9Msz
E 18s 6.68um
pP 40 54.50 67kmX
sP 41 00.00
PcP 42 02.00
PP 42 30.00
ScP 45 50.00
S 47 34.00
sS 48 00.00
ScS 50 20.00
BTO 48.84 359 iPc 40 37.00 -0.3
0.8s 95.00nm 5.9mb
N 17s 5.05um
E 14s 2.63um
pP 40 53.00 62kmX
PP 42 33.00
S 47 36.00
sS 48 08.00
HHC 49.08 0 eP 40 38.00 -1.2
1.0s 44.00nm 5.4mb
Z 32s 12.00um 5.7MszX
NDI 49.33 320 iPc 40 38.00 -3.2X
eS 47 35.00
SNY 51.35 12 iPd 40 55.00 -1.3
1.0s 240.00nm 6.2mb
Z 26s 8.38um 5.6MszX
E 21s 4.72um
pP 41 16.00 85kmX
ScS 50 38.60
MAJO 51.51 28 iPd 40 56.11 -1.6

ed 40 58.43
epPd 41 11.59 59kmX
ePcP 42 12.17
ePP 42 49.58
MAT 51.51 28 eP 40 56.00 -1.7
1.8s 772.73nm 6.4mb
Z 20s 3.19um 5.3Msz
eS 48 27.00
CN2 53.63 13 Pd 41 11.80 -1.5
1.0s 210.00nm 6.1mb
Z 23s 7.74um 5.7MszX
N 15s 2.87um
E 15s 2.18um
PcP 42 19.00
eScP 46 10.00
eS 48 38.00
eScS 50 53.00
eSS 52 17.00
DZM 54.80 111 iPd 41 22.10 -0.3
MDJ 55.42 16 iPd 41 25.50 -0.9
1.2s 250.00nm 6.1mb
ed 41 27.73
WMO 56.21 340 iPd 41 31.51 -0.7
1.6s 87.00nm 5.5mb
Z 22s 6.33um 5.7Msz
N 15s 2.47um
epPd 41 48.56 65kmX
ePcP 42 27.21
ePP 43 37.98
e 45 02.40
ScP 46 19.00
eScP 46 59.00
SS 53 00.00
BKM 56.23 106 iPc 41 34.80 2.1
QUE 57.23 314 Pd- 41 37.70 -2.1
2.0s 300.00nm 6.0mb
eS 49 23.20
CSY 57.73 180 eP 41 39.90 -2.6
0.7s 26.50nm 5.5mb
KSH 57.74 328 P 41 42.40 -0.7
Z 24s 7.60um 5.7MszX
E 16s 3.28um
PP 43 49.00
S 49 35.00
HIA 57.99 7 iPd 41 43.08 -1.5
ed 41 45.40
ec 42 04.52
ePP 43 52.02
SAP 58.21 26 eP 41 45.00 -1.1
PRZ 58.85 332 iPc+ 41 51.50 0.6
2.0s 430.00nm 6.2mb
Z 20s 4.80um 5.6Msz
N 20s 2.70um
E 20s 3.70um
eS 49 50.00
ePS 50 11.00
MCQ 59.60 150 eP 41 58.80 3.2X
TLG 59.93 332 eP 41 57.00 -1.2
2.2s 133.00nm 5.7mb
Z 20s 1.50um 5.1Msz
N 20s 1.30um
E 22s 1.30um
eS 49 59.00
CIT 60.27 2 eP 42 00.00 -0.3
Z 22s 2.70um 5.3Msz
eS 50 11.00
GAR 60.53 324 iP 41 59.00 -3.5X
Z 24s 2.40um 5.3MszX
i 42 48.00
i 50 05.00
iS 51 40.00
IRK 60.78 355 ePd 42 02.80 -1.0
2.0s 97.00nm 5.6mb
Z 18s 4.16um 5.6Msz
N 18s 2.18um
E 15s 0.67um
e 42 44.50
eS 50 16.00
AAK 60.84 330 ePd 42 02.95 -1.6
ed 42 05.51
DRV 61.36 167 iP 42 06.70 -0.9
S 49 54.00
SS 54 03.00
SSS 57 12.00
LMZ 61.37 135 eP 42 07.50 -0.5
YSS 61.99 24 iPd 42 10.80 -1.2
1.1s 580.00nm 6.6mb

Z 20s 2.80um 5.4Msz
N 20s 2.50um
E 20s 1.50um
e 42 23.00
e 42 51.00
ePPP 45 52.00
eS 50 23.00
ePPS 50 52.00
TUZ 62.28 138 eP 42 14.90 0.9
EWZ 62.42 135 eP 42 15.40 0.4
DSZ 62.66 133 eP 42 16.30 -0.3
KUR 62.85 28 iPd- 42 16.00 -1.6
1.0s 940.00nm 6.8mb
Z 20s 2.50um 5.4Msz
N 20s 2.50um
eS 50 38.00
ORZ 62.98 132 eP 42 18.80 0.1
e 42 39.80
LTZ 63.24 134 eP 42 19.80 -0.7
WCZ 63.45 126 eP 42 23.10 1.1
THZ 63.46 133 eP 42 22.20 0.2
0.9s 36.00nm 5.4mb
MOZ 63.73 135 eP 42 23.80 0.2
KHZ 64.07 133 eP 42 25.00 -0.8
TCW 64.35 132 eP 42 27.00 -0.7
SEM 64.47 339 ePc 42 23.80 -4.5X
Z 26s 10.00um 5.9MszX
ipP 42 38.10 51kmX
i 44 52.30
iS 50 56.30
ePS 51 26.00
i 52 09.20
MRW 64.67 132 eP 42 29.00 -0.8
SNZO 64.69 132 P 42 29.00 -0.9
S 50 56.00
KIW 64.75 131 eP 42 29.30 -1.1
CAW 64.92 131 eP 42 30.50 -0.9
NGZ 64.97 129 eP 42 31.70 -0.3
MTW 65.25 131 eP 42 32.60 -0.9
AMW 65.47 132 eP 42 35.50 0.6
PGZ 65.73 131 eP 42 36.30 -0.3
MAIO 65.79 316 iPd- 42 35.30 -1.9
eS 51 14.00
BOD 66.14 2 iPd 42 38.20 -0.6
1.5s 390.00nm 6.2mb
PUZ 66.86 128 eP 42 43.60 -0.3
MAW 67.19 198 eP 42 46.00 0.6
1.1s 108.00nm 5.7mb
ASH 67.44 317 iP 42 47.00 -0.5
1.8s 700.00nm 6.3mb
eS 51 33.00
PS 52 00.00
e 52 31.50
DHR 68.50 302 ePd 42 52.50 -1.8
KAT 69.48 317 iP- 42 58.00 -2.0
e 43 21.00
ePPP 47 04.00
eS 51 52.00
ePS 52 18.00
e 52 27.00
e 52 48.00
eSS 59 25.00
RYD 70.94 300 ePd 43 05.20 -4.1X
TEH 71.29 312 eP 43 11.00 -0.4
YAK 71.75 9 ePd 43 11.00 -2.4
1.7s 1489.00nm 6.6mb
i 43 34.00
iS 52 23.00
i 52 53.00
esS 53 00.00
iPS 53 06.00
ABHA 72.47 292 ePd 43 20.00 1.2
PET 73.34 28 iPd- 43 23.00 0.2
1.5s 560.00nm 6.3mb
epP 43 46.00 88kmX
ePPP 47 50.00
eS 52 44.00
esS 53 18.00
AAE 74.12 282 iP 43 31.00 2.5
CLK 74.46 256 iPKPd 43 30.00 -0.2
SBA 74.85 170 iPc 43 33.00 1.7
MGD 75.25 19 eP- 43 32.00 -1.8
0.8s 560.00nm 6.5mb
Z 17s 1.20um 5.3MszX
N 17s 1.30um
epP 43 50.00 66kmX
eS 53 36.00

SHE 75.34 316 iPc 43 35.50 0.8
1.2s 250.00nm 6.0mb
Z 18s 1.00um 5.2Msz
N 18s 1.60um
E 18s 2.50um
iS 53 04.00
TAB 75.94 313 eP 43 37.00 -1.4
GRS 76.49 314 eP- 43 40.00 -1.5
1.8s 470.00nm 6.1mb
eS 53 14.00
SVE 77.05 334 ePc 43 43.00 -1.0
2.0s 740.00nm 6.3mb
N 22s 2.50um
E 22s 1.50um
eS 53 23.00
ePS 54 13.00
ARU 77.69 333 iPd- 43 47.20 -0.3
2.0s 700.00nm 6.3mb
Z 21s 3.50um 5.7Msz
N 18s 1.50um
E 20s 2.50um
e 43 59.00
eS 53 30.00
e 53 55.00
ERE 78.06 314 iP- 43 49.00 -1.0
Z 24s 1.80um 5.3MszX
i 46 45.00
iS 53 34.00
iPS 54 20.00
MTA 78.42 316 iPc+ 43 51.00 -0.8
0.8s 440.00nm 6.5mb
i 44 00.20
e 46 51.00
ePPP 48 36.00
iS 53 39.20
i 54 00.20
GRO 78.46 317 iPd 43 52.00 0.0
Z 16s 1.50um 5.4MszX
N 17s 2.00um
E 17s 1.50um
iS 53 38.00
NRI 79.32 352 iPd- 43 54.40 -1.7
2.0s 359.00nm 6.0mb
Z 17s 3.00um 5.7MszX
N 17s 1.50um
E 17s 1.20um
e 44 04.00
e 46 55.00
eS 53 44.00
ePPS 54 36.00
eSS 58 59.00
RUWJ 79.84 305 P 44 01.79 1.9
WAJH 80.05 298 ePd 44 01.30 0.3
PYA 80.48 317 iPd 44 02.50 -0.4
i 44 16.00
iS 54 00.00
ePS 54 22.00
KIV 80.70 317 eP 44 03.17 -1.0
OTFJ 80.75 304 P 44 04.78 0.1
SMY 80.97 33 P 44 20.00 14.8X
Z 21s 2.71um 5.6Msz
AYN 81.21 301 ePd 44 13.00 6.0X
CSTJ 81.23 303 P 44 08.47 1.3
SPA 81.58 180 iPc 44 08.60 0.1
1.3s 261.67nm 6.0mb
e 54 09.00
OTRJ 81.82 303 P 44 11.74 1.4
MYA 81.88 311 eP 44 12.80 2.4
SHWJ 82.01 302 P 44 11.77 0.3
HOL 82.12 301 ePd 44 20.00 8.3X
JARJ 82.12 304 P 44 12.47 0.7
MASJ 82.18 304 P 44 13.42 1.3
MKRJ 82.19 303 P 44 13.29 1.1
SALJ 82.28 304 P 44 13.45 0.8
MBH 82.38 302 eP 44 12.70 -0.5
JVI 82.53 304 eP 44 13.70 -0.2
SOC 82.59 316 ePd- 44 12.50 -1.4
e 54 21.00
ePS 55 15.00
AGRW 82.78 295 P 44 16.80 1.6
BHL 82.79 306 Pd 44 14.00 -1.3
S 54 22.00
ATZ 82.82 305 eP 44 15.70 0.3
AKUR 82.86 295 eP 44 14.10 -1.6
AGMR 83.00 295 P 44 19.00 2.7
SVST 83.40 312 eP 44 18.00 -0.3
ADAT 83.86 309 eP 44 20.80 0.3

09d 00h

TRHT 84.13 312 iP 44 21.60 -0.4
FAM 84.39 306 eP 44 23.40 0.2
ANN 84.65 317 iPc+ 44 23.00 -1.3
1.9s 670.00nm 6.4mb
eS 54 38.00
eSS 00 12.00
CSS 84.92 306 eP 44 27.00 1.1
KOT 85 00 301 eP 44 24.50 -1.8
HLW 85.40 301 eP 44 29.50 1.1
eS 54 51.00
ADK 85.85 36 eP 44 29.64 -0.4
0.6s 69.89nm 5.9mb
SIM 86.84 316 eP 44 30.00 -5.1X
i 44 37.00
e 54 53.00
eS 55 05.00
sS 56 40.00
MOS 87.80 327 iPd 44 40.00 0.5
2.0s 230.00nm 6.0mb
Z 24s 3.40um 5.7MszX
e 48 04.00
ePPP 50 09.00
e 54 59.00
iS 55 13.00
OBN 88.16 326 iPd 44 41.70 0.5
SNA 89.74 198 iPc 44 50.40 1.8
0.9s 110.92nm 6.1mb
ILT 90.50 21 iPd 44 52.80 0.8
1.5s 175.00nm 6.2mb
Z 24s 1.80um 5.4MszX
N 24s 0.40um
E 24s 0.90um
i 45 10.00
e 48 22.00
e 55 16.00
ePS 57 00.00
ePPS 57 24.00
ALN 91.77 311 eP 44 59.12 0.8
APA 93.13 338 iPc 45 03.80 -0.3
OUR 93.23 310 eP 45 05.76 0.6
SRS 93.63 311 eP 45 06.16 -0.9
SOH 93.77 311 eP 45 07.28 -0.4
MON 93.86 69 P 45 20.00 11.6X
Z 22s 1.01um 5.2MszX
THE 94.04 310 eP 45 08.00 -0.8
KNT 94.16 311 eP 45 07.84 -1.6
AGG 94.32 309 eP 45 10.00 -0.2
LIT 94.33 310 eP 45 09.32 -0.9
GRG 94.51 311 eP 45 09.52 -1.5
KAF 94.99 332 iP 45 10.80 -1.9
0.4s 8.60nm 5.5mb
NUR 95.56 330 iP 45 14.10 -1.3
0.9s 52.00nm 6.0mb
Z 24s 3.00um 5.7MszX
ePP 49 12.00
eS 56 20.00
LR 30 00.00
KEV 95.84 340 eP 45 18.00 1.4
eSKS 55 40.00
eS 56 20.00
IGT 95.92 309 eP 45 15.92 -1.6
SDN 95.99 35 eP 45 16.71 -0.7
0.9s 203.37nm 6.7mb
Z 21s 4.13um 5.9Msz
TTA 98.80 28 eP 45 30.53 0.4
1.0s 22.59nm 5.7mb
IMA 99.81 24 eP 45 35.80 1.0
MFS 100.98 330 ePdiff45 39.50 -0.4
1.2s 69.10nm 6.2mb
SLKM 101.60 30 ePdiff45 42.12 -0.6
PMR 102.05 29 ePdiff45 45.00 0.4
NB2 102.15 331 Pdiff 45 41.20 -4.0X
1.2s 31.00nm 5.9mb
COL 102.34 25 iPdiff45 45.27 -0.6
1.9s 3444.00nm 7.7mb X
Z 20s 1.70um 5.6Msz
N 24s 1.50um
E 20s 1.50um
ePP 48 08.00
e 48 40.00
e 49 27.00
ePPP 50 00.00
eSKS 55 01.00
i 55 16.00
eS 55 34.00
ePS 56 54.00
eSS 01 44.00

KONO 103.08 329 ePdiff45 49.26 0.0
ePP 50 04.49
MBC 107.03 11 ePdiff46 09.00 2.5X
LOR 107.87 317 ePKP 50 18.10 -0.2
0.6s 1.80nm
SIT 109.80 32 PKP 50 30.00 8.5X
Z 19s 1.20um 5.5Msz
FLN 110.52 319 ePKP 50 25.20 2.0X
0.6s 3.25nm
MFF 110.68 317 ePKP 50 23.80 0.3
0.4s 1.25nm
LPF 111.02 318 ePKP 50 25.30 1.2
0.5s 4.10nm
KIC 116.40 273 PKP 50 35.60 0.1
NKM 116.43 305 ePKP 50 32.00 -2.9X
i 50 44.00
i 51 41.00
LIC 116.67 273 PKP 50 35.80 -0.2
TIC 116.71 273 PKP 50 36.20 0.1
YKA 116.77 22 ePdiff47 01.50 11.4X
0.8s 0.40nm
YKA 116.77 22 ePKP 50 34.20 -0.5
0.5s 5.10nm
GDH 118.47 354 ePKP 50 33.00 -4.7X
e 57 25.00
e 01 35.00
TIO 118.60 301 ePKP 50 42.00 2.6X
i 51 59.00
MCW 119.71 38 ePKP 50 41.89 1.1
GMW 120.18 39 ePKP 50 43.27 1.6
PP 52 06.49
BMW 120.30 41 ePKP 50 43.45 1.4
RMW 120.82 39 ePKP 50 43.67 0.7
SHW 121.04 41 ePKP 50 44.97 1.4
LON 121.10 40 ePKP 50 44.07 0.5
e 51 50.43
i 51 50.50
PNT 121.37 36 ePKP 50 46.00 2.1X
0.9s 21.00nm
DPW 122.86 37 ePKP 50 48.24 1.4
i 50 52.54
L8FM 123.00 46 ePKP 50 48.12 0.6
e 50 53.95
LTCM 123.21 47 (PKP) 50 47.65 0.0
ORV 123.87 48 ePKP 50 50.49 1.4
e 50 55.15
e 51 09.09
ARN 124.53 50 ePKP 50 51.82 1.4
SES 125.59 32 ePKPc 50 52.00 -0.1
pP 51 12.00
FCC 126.26 16 ePKP 50 59.00 6.0X
8CH 126.29 52 ePKP 50 54.51 0.5
BONR 126.76 49 ePKP 50 56.09 1.0
ABL 127.07 52 ePKP 50 57.7B 2.1X
e 51 19.53
LRM 127.30 37 ePKP 50 56.90 1.1
ISA 127.40 51 ePKP 50 57.52 1.5
Z 21s 0.93um 5.4Msz
TNP 127.52 48 ePKP 50 55.40 -1.0
HPI 127.96 40 ePKP 50 59.24 2.1X
PTI 128.83 40 ePKP 51 00.16 1.5
PEC 128.98 53 ePKP 51 00.00 0.9
PP 53 02.52
HVU 129.09 42 ePKP 51 00.25 1.0
PLM 129.39 54 ePKP 51 00.91 0.9
DUG 129.79 44 iPKPc 51 02.54 2.0X
iSKP 54 16.46
DAU 130.74 43 iPKPc 51 04.42 1.8X
PP 53 13.70
MSU 130.98 45 ePKPc 51 05.61 2.6X
GLA 131.10 53 ePKP 51 05.36 2.2X
PP 53 15.60
SKP 54 19.07
EMUT 131.33 43 ePKP 51 05.60 2.0X
iSKP 54 22.15
e 54 52.18
SRU 131.86 44 ePKP 51 06.15 1.6
iSKP 54 23.28
ULM 132.70 23 ePKP 51 08.50 2.9X
GOL 134.98 40 ePKP 51 11.11 0.5
Z 21s 0.35um 5.1Msz
iSKP 54 35.08
e 55 04.98
ALO 136.69 47 ePKP 51 15.69 1.8
Z 22s 0.14um 4.7Msz
iSKP 54 40.67
e 55 11.42

PEL 138.58 178 ePKP 51 17.50 0.2
ACO 140.71 40 e(PKP)51 19.00 -2.0
EEO 140.98 11 ePKP 51 15.00 -6.1X
VAO 142.06 214 ePKP 51 19.70 -4.1X
e 51 28.90
MEO 142.23 42 iPKPc 51 19.10 -4.7X
OCO 142.50 40 e(PKP)51 22.30 -1.9
LMN 142.59 355 ePKP 51 22.00 -2.0
FNO 142.71 40 iPKPd 51 20.10 -4.4X
FKO 142.72 40 iPKPc 51 21.40 -3.1X
SIO 143.08 39 ePKP 51 22.70 -2.4X
TUL 143.29 38 ePKP 51 22.80 -2.7X
0.5s 44.20nm
e 51 38.30
LNO 143.29 38 ePKP 51 22.40 -2.9X
RLO 143.58 37 e(PKP)51 23.10 -2.9X
ACTO 143.67 14 PKP 51 25.03 -0.8
ELF 143.74 15 PKP 51 24.30 -1.7
PDCR 143.79 235 ePKP 51 23.20 -3.7X
e 51 35.60
EMM 143.85 358 ePKP 51 23.10 -3.0X
ePKPab51 24.17
LDN 143.92 15 PKP 51 24.70 -1.6
BNH 143.96 3 ePKP 51 23.06 -3.3X
iPKPab51 24.85
eSKP 54 58.68
DLA 143.99 16 PKP 51 25.20 -1.2
TYNO 144.20 14 PKP 51 25.90 -0.9
STCO 144.25 13 PKP 51 26.05 -0.8
CCM 144.31 31 PKP 51 40.00 12.9X
Z 22s 1.00um 5.5Msz
CGX 144.75 68 (PKP) 51 31.00 2.4X
FVM 144.77 30 ePKP 51 25.45 -2.5X
Z 20s 3.36um 6.1Msz
ePKPab51 27.29
PPD 145.12 209 ePKP 51 28.50 -0.5
e 51 29.40
i 51 32.90
e 51 51.30
AGX 145.22 64 (PKP) 51 33.00 3.9X
HRV 146.02 4 iPKPd 51 30.31 0.4
Z 22s 1.21um 5.6Msz
ePKPab51 31.69
ePP 54 49.43
OLY 146.09 34 ePKP 51 29.84 -0.4
ePKPab51 31.58
LST 146.25 31 ePKP 51 31.11 0.7
GRT 146.61 31 ePKP 51 33.33 2.3X
ePKPab51 35.35
MRX 146.82 67 (PKP) 51 35.80 4.0X
TBR 147.13 7 ePKP 51 32.97 1.3
PNJ 147.37 7 PKP 51 33.70 1.7
LVNJ 147.38 8 ePKPc 51 33.40 1.3
ePKPbc51 35.54
MCWV 147.44 16 ePKP 51 34.70 2.4X
ePKPbc51 36.88
ANT 147.99 177 ePKP 51 25.70 -7.9X
PWLA 148.30 31 ePKP 51 33.82 0.0
ePKPbc51 37.27
ACX 148.70 71 (PKP) 51 41.50 6.6X
UNM 148.74 67 (PKP) 51 41.30 6.0X
NAV 149.33 19 ePKP 51 35.67 0.3
ePKPbc51 40.15
ePKPab51 45.89
CVL 149.38 15 ePKP 51 36.08 0.7
ePKPbc51 40.73
ePKPab51 45.75
NA2 149.42 14 ePKP 51 35.67 0.3
ePKPbc51 40.73
CBN 149.43 13 ePKP 51 37.00 1.6
BLA 149.54 18 ePKP 51 36.80 1.1
ePKPbc51 41.37
IIT 149.62 67 (PKP) 51 44.00 7.4X
TKL 149.72 24 ePKPc 51 37.44 1.5
ePKPbc51 41.78
ePKPab51 47.43
CEH 151.17 17 ePKPd 51 39.02 0.9
Z 20s 0.50um 5.3Msz
ePKPbc51 45.15
ePP 55 21.32
PRM 151.66 24 ePKP 51 40.43 1.5
ePKPbc51 46.48
ePKPab51 57.01
JSC 151.91 22 ePKP 51 40.34 1.1
ePKPbc51 46.79
SGS 153.16 22 ePKP 51 42.88 1.9X
ePKPbc51 49.64

ePKPab52 01.11
HBF 153.44 22 ePKP 51 43.27 1.8X
iPKPbc51 50.84
ePKPab52 02.41
CCH 154.17 186 PKP 51 46.50 3.2X
SIV 154.49 198 PKP 51 45.00 1.6
CNCB 154.86 182 PKP 51 48.00 3.5X
ARE 155.09 174 ePKP 51 48.00 3.5X
LPB 155.14 182 PKP 51 48.00 3.3X
LR 45 30.00
ZOBO 155.39 182 PKP 51 46.90 1.6
1.2s 61.49nm
LR 45 32.00
PSO 168.92 130 ePKP 52 00.00 1.6
BOG 173.60 126 ePKP 52 01.50 1.0
BMG 175.63 108 iPKPd 52 01.00 0.2
SDV 178.24 76 ePKP 52 01.50 0.2
S.D. = 1.2 on 263 of 329 obs.

% JUN 09, 1992 02h 10m 40.04± 1.46s
43.324 N ±11.6km 19.200 E ± 6.7km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.9 (TTG).

PLE 0.14 88 iPgd 10 43.62 0.1
iSg 10 46.24
NKY 0.53 196 iPgd 10 50.87 0.0
iSg 10 58.73
BRY 0.64 229 iPgc 10 52.55 -0.4
iSg 11 02.30
IVA 0.68 131 iPgc 10 53.37 -0.3
iSg 11 03.12
TTG 0.90 177 iPgc 10 57.00 -0.2
iSg 11 10.75
PVY 0.92 142 iPgd 10 57.65 -0.1
iSg 11 11.24
HCY 1.02 211 iPgd 10 59.54 0.3
iSg 11 14.78
BDV 1.08 195 iPgd 11 00.35 0.1
iSg 11 16.60
ULC 1.36 178 iPgd 11 05.55 0.5
iSg 11 26.19
S.D. = 0.3 on 9 of 9 obs.

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* JUN 09, 1992 02h 46m 58.34± 0.59s
65.346 S ± 9.8km 178.521 E ±18.5km
DEPTH = 10.0km (geophysicist)
4.8mb (9 obs.) 5.4Msz (2 obs.)
BALLENY ISLANDS REGION (702)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 36C
Centroid Location:
Origin Time 02:47: 2.0 0.3
Lat 65.41S 0.05 Lon 179.94E 0.14
Dep 15.0 FIX Half-duration 2.2
Moment Tensor; Scale 10**17 Nm
Mrr=-0.60 0.08 Mtt= 2.33 0.08
Mff=-1.73 0.10 Mrt= 0.07 0.29
Mrf=-1.22 0.24 Mtf=-0.32 0.10
Principal Axes:
T Val= 2.36 Plg= 4 Azm= 6
N 0.16 57 101
P -2.52 32 273
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 54 Dip=65 Slip=-158
NP2: 315 70 -27

SBA 13.05 191 ePc 50 06.70 0.6
TLC 20.86 341 eP 51 43.70 1.1
CMCZ 20.87 341 eP 51 44.50 1.8
LSCZ 20.89 342 eP 51 44.00 1.1
MMCZ 21.03 341 eP 51 40.90 -3.5X
SPA 24.80 180 iPc 52 23.60 2.1
1.1s 83.33nm 5.3mb
Z 20s 5.41um 5.0Msz
e 58 57.30
CSY 26.65 237 eP 52 44.60 6.2X
0.1s 2.60nm 4.9mb
MAW 39.75 213 e(P) 54 35.00 3.0X
1.0s 10.00nm 4.4mb
STK 40.33 308 eP 54 40.30 3.1X
1.1s 3.50nm 4.0mb
i 00 17.90
DZM 43.98 344 iPc 55 07.10 -0.1
SNA 44.61 180 e(P) 55 12.00 0.3
1.2s 90.63nm 5.5mb
ASPA 50.50 303 eP 55 57.50 -0.8
2.2s 11.20nm 4.4mb
WB2 53.78 306 eP 56 20.60 -2.3
0.7s 7.90nm 4.8mb
WRA 53.79 306 P 56 22.00 -0.9
0.8s 4.30nm 4.5mb
FRS 82.96 203 eP 59 23.10 -1.3
SEK 83.95 206 eP 59 26.20 -3.5X
CNCB 84.22 118 P 59 31.00 -0.7
CCH 84.37 120 P 59 31.00 -1.2
LPB 84.43 118 P 59 34.00 1.4
ZOBO 84.64 118 P 59 32.00 -1.9
1.0s 15.00nm 5.2mb
PRY 85.34 206 e(P) 59 32.50 -4.2X
SLR 86.36 207 eP 59 42.50 0.7
Z 20s 3.55um 5.8Msz
SES 127.42 49 ePKP 06 06.00 2.4X
YKA 136.68 38 ePKP 06 26.50 5.7X
0.9s 1.00nm
TIO 145.37 171 iPKP 06 41.00 3.6X
MBC 146.56 23 ePKP 06 40.00 2.2X
1.0s 13.00nm
AVE 147.72 171 ePKP 06 52.00 11.0X
IFR 148.06 174 iPKP 07 01.00 19.2X
NKM 149.97 174 iPKP 06 55.00 10.6X
i 06 58.00
MLR 155.11 230 ePKP 07 00.00 8.4X
VRI 155.19 232 ePKPd 07 01.00 9.5X
OBN 158.85 259 (PKP) 07 03.00 7.3X
e 07 44.00
GEC2 161.61 213 PKP 07 09.30 10.3X
1.0s 1.19nm
S.D. = 1.4 on 16 of 33 obs.

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* JUN 09, 1992 03h 14m 30.48± 1.92s
4.806 S ±12.7km 153.310 E ±12.3km
DEPTH = 58.1 ± 17.1 km
4.9mb (5 obs.)
NEW IRELAND REGION, P.N.G. (190)

RAB 1.29 298 iPd 14 53.00 0.4
0.4s 2711.86nm
iS 15 09.00
PMG 7.63 233 eP 16 21.00 -0.5
OIS 20.56 219 eP 19 06.00 -0.9
DZM 21.36 145 iPc 19 13.90 -1.2
RMQ 22.00 191 eP 19 22.00 0.7
MTN 23.31 249 eP 19 34.00 -0.2
WB2 23.81 229 eP 19 39.00 -0.1
0.2s 18.10nm 5.2mb
KNA 26.45 244 eP 20 04.70 0.7
ASPA 26.49 223 iPc 20 04.10 -0.3
0.5s 13.20nm 4.8mb
DSZ 40.32 158 eP 22 05.90 2.0
LTZ 41.39 159 eP 22 12.20 -0.5
0.5s 14.00nm 5.0mb
EWZ 41.55 161 eP 22 14.50 0.7
KHZ 41.55 157 eP 22 12.60 -1.3
MSZ 41.72 164 eP 22 16.50 1.2
CHTO 58.45 295 e(P) 24 24.00 0.9
1.0s 2.75nm 4.3mb
SPA 85.23 180 iPc 27 02.70 0.8
0.8s 12.92nm 5.1mb
YKA 95.19 28 eP 28 17.60 29.0X
0.6s 0.20nm
GEC2 124.32 329 PKP 33 22.80 -1.9
0.5s 0.67nm
S.D. = 1.1 on 17 of 18 obs.

% JUN 09, 1992 04h 10m 02.90± 0.59s
42.516 N ± 4.3km 18.679 E ± 4.9km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.1 (TTG).

HCY 0.15 243 iPgd 10 06.67 0.2
iSg 10 09.01
BDV 0.26 155 iPgd 10 08.60 0.2
iSg 10 13.09
NKY 0.38 38 iPgc 10 10.52 -0.2
iSg 10 16.47
BRY 0.40 346 iPgc 10 10.63 -0.4
iSg 10 17.03
TTG 0.44 101 iPgc 10 11.63 -0.2
iSg 10 19.01
ULC 0.70 142 iPgc 10 16.09 -0.6
iSg 10 26.84
PVY 0.96 85 iPgd 10 21.61 0.4
iSg 10 36.12
IVA 0.97 68 iPgd 10 21.44 0.1
iSg 10 36.63
PLE 0.97 33 iPgc 10 21.87 0.5
iSg 10 36.14
S.D. = 0.4 on 9 of 9 obs.

% JUN 09, 1992 04h 24m 28.84± 1.00s
38.342 S ± 5.9km 176.008 E ± 6.3km
DEPTH = 201.1 ± 10.9 km
NORTH ISLAND, NEW ZEALAND (159)

NGZ 0.89 201 P 24 57.90 -0.6
CNZ 0.93 203 P 24 58.20 -0.4
MOZ 0.96 260 P 24 58.50 -0.2
eS 25 17.60
PAHZ 0.97 123 eP 24 58.30 -0.5
TTH 1.36 152 P 25 02.30 0.6
WAHZ 1.38 169 Pc 25 02.10 0.1
KUZ 1.61 352 P 25 04.10 0.2
BSZ 1.68 210 P 25 05.20 0.7
PUZ 1.79 82 eP 25 05.40 -0.3
eS 25 29.10
HBZ 1.96 68 P 25 07.60 0.3
PGZ 2.28 175 P 25 11.10 0.4
KIW 2.66 198 P 25 14.70 -0.2
MTW 2.84 188 P 25 16.90 -0.2
CAW 2.86 194 P 25 17.40 0.1
DIW 2.94 213 P 25 18.50 0.3
AMW 2.97 184 P 25 18.70 0.2
BLW 3.05 188 P 25 19.40 -0.1
MRW 3.06 199 P 25 19.70 0.1
WEL 3.09 198 eP 25 20.30 0.3
MOW 3.13 190 P 25 20.30 -0.2
TCW 3.16 204 P 25 20.90 0.0
ORZ 3.66 226 eP 25 26.90 0.0
THZ 4.17 214 eP 25 34.00 0.7
KHZ 4.49 204 P 25 37.40 0.1
MQZ 5.93 204 P 25 54.60 -1.2
S.D. = 0.5 on 25 of 25 obs.

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* JUN 09, 1992 05h 31m 39.45± 1.30s
36.935 S ±11.5km 177.236 E ±14.9km
DEPTH = 190.0 ± 13.1 km
3.4mb (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)

HBZ 1.08 128 P 32 07.20 -1.8
KUZ 1.23 278 eP 32 10.30 0.1
PUZ 1.40 145 P 32 11.20 -0.5
eS 32 34.70
NOZ 1.80 160 Pc 32 16.30 0.9
PAHZ 1.93 184 P 32 18.10 1.3
MAHZ 2.31 167 P 32 21.90 1.0
TTH 2.62 187 eP 32 25.90 1.4
WAHZ 2.85 194 P 32 28.20 1.0
KIW 4.32 204 P 32 45.30 -0.2
MTW 4.43 197 P 32 46.20 -0.7
CAW 4.50 201 P 32 47.30 -0.5
AMW 4.52 194 eP 32 47.40 -0.6
DIW 4.65 213 eP 32 50.20 0.5
MRW 4.72 204 eP 32 49.60 -1.0
eS 33 47.80
TCW 4.85 207 eP 32 50.90 -1.4
WRA 40.97 282 P 39 05.60 0.5
0.6s 0.80nm 3.4mb
S.D. = 1.1 on 16 of 16 obs.

& JUN 09, 1992 05h 32m 10.40s
36.286 N 120.047 W
DEPTH = 16.1km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 3.0 (GM). ML 2.9
(GS), 2.9 (PAS).

PKEM 0.23 193 eP 32 16.49 0.7
PHAM 0.53 212 iPd 32 21.19 0.3
ISA 1.42 115 ePnc 32 34.50 -1.1
iS 32 52.52
ABL 1.58 155 ePn 32 36.02 -2.0
ARN 1.60 312 ePn 32 37.54 -0.5
BONR 2.17 39 ePn 32 47.34 0.6
TNP 2.88 51 ePn 32 54.86 -1.8
iS 33 39.43
ORV 3.46 341 (P) 33 06.21 1.5

09d 05h

8 obs. associated
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* JUN 09, 1992 06h 22m 14.74± 0.96s
20.207 S ± 9.3km 69.410 W ±12.5km
DEPTH = 124.4 ± 12.3 km
4.5mb (1 obs.)
NORTHERN CHILE (123)

ANT 3.60 195 iPc 23 10.50 0.6
CNCB 3.64 22 iPc 23 12.00 1.0
LPB 3.86 19 Pc 23 15.00 1.2
1.0s 300.00nm
ZOBO 4.08 18 iPKPc 23 17.20 0.2
CCH 4.18 48 P 23 17.80 -0.2
ARE 4.22 332 iP 23 16.20 -2.3
iS 23 59.30
PPD 16.98 99 eP 26 04.90 -1.3
VAO 21.05 102 eP 26 50.70 0.3
PDCR 30.01 80 eP 28 13.00 -0.9
KIC 68.80 74 (P) 33 08.00 0.1
YKA 89.82 341 eP 35 01.20 1.2
0.7s 3.10nm 4.5mb
WRA 133.81 212 PKP 41 23.90 4.6X
0.4s 0.70nm
S.D. = 1.3 on 11 of 12 obs.

JUN 09, 1992 06h 41m 05.75± 0.22s
49.804 S ± 5.7km 110.567 E ± 6.7km
DEPTH = 10.0km (geophysicist)
5.3mb (16 obs.) 4.5Msz (1 obs.)
SOUTHEAST INDIAN RIDGE (435)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 16C
Centroid Location:
Origin Time 06:41: 4.4 1.2
Lat 49.84S FIX;Lon 110.65E FIX
Dep 15.0 FIX Half-duration 3.0
Moment Tensor; Scale 10**17 Nm
Mrr= 0.42 0.27 Mtt= 0.66 0.16
Mff=-1.08 0.42 Mrt=-1.33 0.19
Mrf=-0.14 0.31 Mtf=-0.53 0.10
Principal Axes:
T Val= 1.91 Plg=41 Azm=188
N -0.47 40 50
P -1.44 22 299
Best Double Couple:Mo=1.7*10**17
NP1:Strike=342 Dip=43 Slip= 17
NP2: 239 79 131

CSY 16.53 180 eP 44 58.10 -0.8
0.7s 17.30nm 4.3mb
MRWA 20.97 13 eP 45 51.50 0.2
0.5s 14.00nm 4.6mb
STK 29.22 64 iPd 47 08.60 -1.0
1.2s 4.30nm 4.1mb X
MAW 29.46 215 iPc 47 10.40 -1.0
1.0s 17.00nm 4.8mb
ASPA 31.84 44 iPd 47 32.10 -0.8
0.7s 40.90nm 5.5mb
Z 19s 1.00um 4.5Msz
WRA 35.30 41 P 48 02.70 -0.1
0.7s 13.70nm 4.9mb
WB2 35.31 41 iPc 48 02.30 -0.6
0.6s 31.10nm 5.4mb
QIS 37.18 49 eP 48 18.00 -0.6
RMO 37.41 66 ePd 48 21.00 0.5
1.1s 61.00nm 5.3mb
i 48 28.00
SPA 40.39 180 iPc 48 45.60 0.4
1.0s 51.50nm 5.2mb
CTA 41.00 57 P 48 51.20 0.8
PMG 50.43 50 eP+ 50 06.50 1.1
0.9s 84.03nm 5.7mb
DZM 51.56 79 iPc 50 13.20 -0.9
SEK 64.55 256 e(P) 51 46.50 1.2
BLF 64.90 254 e(P) 51 48.00 0.4
NST 65.84 349 eP 51 53.00 -0.3
CHG 69.08 348 ePd 52 14.30 0.5
1.5s 47.92nm 5.5mb
CHTO 69.08 348 iPd 52 14.00 0.2
1.3s 23.28nm 5.2mb
BUL 69.76 263 iPd 52 18.00 -0.2
1.2s 9.38nm 4.8mb
KRI 71.53 266 iPc 52 18.90 -10.1X
KMI 74.91 353 Pd 52 50.00 1.4
1.5s 160.00nm 5.8mb
PKI 80.22 337 Pd 53 16.70 -1.3
DMN 80.33 337 Pd 53 17.60 -0.9
GUN 80.43 338 Pd 53 18.40 -0.8
KKN 80.46 337 Pd 53 18.30 -0.9
GKN 80.82 337 Pd 53 20.20 -0.8
0.8s 32.00nm 5.4mb
LZH 85.72 355 eP 53 47.00 1.1
2.0s 123.00nm 5.7mb
pP 53 59.50 41kmX
sP 54 05.00
i 54 12.00
MAT 89.39 22 eP 54 04.00 0.6
1.3s 23.08nm 5.3mb
GEC2 128.53 303 PKP 00 09.90 -3.9X
0.9s 2.16nm
BRG 129.54 305 e(PKP)00 15.40 -0.1
CLL 130.28 305 ePKPc 00 16.00 -0.8
1.9s 14.00nm
CRP 134.95 43 (PKP) 00 26.53 0.9
IMA 136.21 36 ePKP 00 27.34 -0.5
RND 137.20 41 (PKP) 00 35.44 5.7X
BONR 143.46 90 (PKP) 00 38.84 -3.2X
SHW 145.09 75 iPKPc 00 44.47 0.1
GMW 145.31 73 iPKPd 00 44.30 -0.2
i 00 51.11
LON 145.59 75 ePKP 00 44.52 -0.6
MCW 145.73 71 ePKP 00 45.23 0.0
RMW 145.89 73 iPKP 00 46.01 0.4
e 00 52.82
ARUT 146.51 94 ePKP 00 48.64 1.6
i 00 57.09
MBC 147.08 20 ePKP 00 49.00 2.5X
0.9s 8.00nm
MSU 147.74 94 ePKP 00 49.51 0.4
DUG 148.25 91 ePKP 00 50.25 0.5
iPKPbc00 53.44
ePKPab01 00.16
DPW 148.29 74 (PKP) 00 48.75 -0.7
iPKPbc00 52.61
HVU 149.10 88 (PKP) 00 50.84 -0.2
iPKPbc00 55.27
SRU 149.14 94 ePKP 00 52.00 0.8
iPKPbc00 54.83
ALO 149.23 105 ePKP 00 51.58 0.1
iPKPbc00 56.24
EMUT 149.34 93 (PKP) 00 52.36 0.8
iPKPab00 56.30
DAU 149.38 92 (PKP) 00 52.70 1.0
iPKPbc00 56.15
HPI 149.81 85 ePKP 00 54.25 2.0X
iPKPbc00 59.56
iPKPab01 05.96
PTI 149.89 87 (PKP) 00 51.62 -0.6
ePKPbc00 58.03
ePKPab01 04.43
LRM 151.14 81 ePKP 01 00.40 6.3X
YKA 152.46 45 ePKP 01 00.60 5.5X
1.0s 4.00nm
SES 153.55 73 ePKP 00 56.00 -1.1
pP 01 04.00
MEO 153.94 114 iPKPc 01 05.10 7.0X
ACO 154.89 110 iPKPc 01 07.10 7.8X
CCM 160.47 119 iPKPc 01 06.30 0.4
e 01 12.77
ePKPab01 43.12
S.D. = 0.8 on 48 of 58 obs.

JUN 09, 1992 07h 10m 37.86± 0.55s
43.011 N ± 6.4km 3.126 E ± 4.8km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 3.0 (LDG).

PERF 0.56 200 Pg 10 48.71 -0.5
VDCF 0.70 233 Pg 10 51.59 -0.1
LSPF 0.90 266 Pg 10 54.89 -0.2
GRBF 1.18 262 Pg 11 00.04 0.1
LESF 1.35 271 Pg 11 02.99 0.3
SALF 1.45 261 Pg 11 04.81 0.7
EPF 2.04 271 Pg 11 15.50 2.8X
0.2s 8.50nm
Sg 11 40.60
CAF 2.06 339 Pn 11 12.40 -0.6
Pg 11 17.10
Sg 11 42.80
LPO 2.18 321 Pn 11 14.70 0.0
Pg 11 19.50
Sg 11 47.70
LRG 2.40 78 Pn 11 17.20 -0.7
Pg 11 23.60
Sg 11 55.00
LMR 2.50 81 Pn 11 20.10 1.0
Pg 11 26.60
Sn 11 48.60
Sg 11 58.10
RJF 2.57 334 Pg 11 26.90 6.7X
Sg 11 59.30
FRF 2.63 77 Pg 11 29.10 8.0X
Sg 12 02.00
BGF 3.55 357 Pg 11 45.50 11.4X
Sg 12 30.60
S.D. = 0.6 on 10 of 14 obs.

& JUN 09, 1992 07h 20m 33.33s
61.333 N 150.072 W
DEPTH = 37.7km
4.9mb (33 obs.) 4.6Msz (1 obs.)
SOUTHERN ALASKA (2)
<AEIC>. ML 4.7 (AEIC), 5.1
(PMR). Felt (V) at Anchorage and
Elmendorf Air Force Base. Felt
(IV) at Big Lake, Eagle River,
Hope, Palmer and Wasilla.

PMS 0.26 110 P 20 41.00 -0.1
PWA 0.33 16 iPd 20 41.90 0.1
SUA 0.35 292 iPd 20 41.89 -0.3
PLRM 0.52 60 iPc 20 43.32 -0.9
PMR 0.52 60 iPc 20 43.38 -0.9
PTE 0.69 132 iPd 20 46.61 0.0
GHO 0.70 51 iPc 20 46.00 -0.9
KNK 0.78 83 iPc 20 47.18 -0.8
eS 20 57.72
SLKM 0.83 185 iPd 20 47.47 -1.2
eS 20 59.16
SKT 0.95 314 iPd 20 49.43 -1.0
iS 21 02.72
SML 0.96 59 iPc 20 49.42 -1.1
SPU 0.97 262 iPc 20 49.47 -1.2
eS 21 02.95
NCG 1.01 275 iPc 20 50.50 -0.7
eS 21 04.30
CRP 1.01 267 iPc 20 50.26 -1.1
CKN 1.02 265 iPc 20 50.80 -0.6
CPKM 1.05 267 iPc 20 51.18 -0.7
CUT 1.08 355 iPd 20 51.31 -0.8
BKG 1.09 257 iPc 20 51.31 -1.1
CKL 1.10 264 iPc 20 51.64 -1.0
BGL 1.12 267 iPc 20 51.95 -0.9
SEW 1.27 166 iPd 20 52.97 -1.9
SCM 1.41 68 iPc 20 56.13 -0.8
NNL 1.43 205 iPd 20 57.06 -0.1
DFR 1.48 241 iPc 20 56.76 -1.2
REF 1.54 238 iPc 20 57.81 -1.1
RDN 1.55 239 iPc 20 57.77 -1.2
RSO 1.58 237 iPc 20 58.35 -1.1
RS2 1.58 238 iPc 20 58.41 -1.0
RS1 1.58 237 iPc 20 58.43 -1.0
RED 1.61 236 iPc 20 58.63 -1.2
BRLK 1.62 195 eP 20 58.38 -1.6
HUR 1.66 7 ePd 20 59.92 -0.6
VLZ 1.82 95 iPd 21 01.32 -1.4
eS 21 25.05
HOM 1.85 206 ePd 21 02.38 -0.8
CNPM 1.90 198 iPd 21 02.51 -1.5
INE 1.95 230 iPc 21 03.61 -1.2
INW 1.97 231 iPc 21 03.95 -1.1
HIN 1.98 117 iPd 21 02.56 -2.6
KLU 2.00 84 iPd 21 03.83 -1.7
eS 21 28.76
TOA 2.01 66 ePc 21 06.10 0.5
TRF 2.13 357 ePd 21 06.00 -1.4
RND 2.16 15 ePd 21 06.48 -1.2
CVA 2.25 109 iPd 21 06.31 -2.6
KTH 2.26 350 ePc 21 08.41 -0.8
TZL 2.33 70 eP 21 09.01 -1.0
SDG 2.45 59 eP 21 11.07 -0.8
MCK 2.47 12 eP 21 11.38 -0.6
AUE 2.57 221 eP 21 12.16 -1.3
AUL 2.57 222 eP 21 12.78 -0.7
AUP 2.58 222 eP 21 12.75 -1.0
AUH 2.59 222 eP 21 12.85 -1.0
AUI 2.61 221 eP 21 12.66 -1.3
MID 2.66 134 eP 21 12.60 -2.1

SVW 2.69 268 iPc 21 13.54 -1.7
PAX 2.71 51 ePc 21 15.03 -0.6
BWN 2.86 5 eP 21 17.29 -0.4
THY 2.90 42 eP 21 19.20 0.9
SYI 2.97 204 eP 21 17.49 -1.7
CDD 3.00 218 ePc 21 17.96 -1.7
GLB 3.01 85 eP 21 17.33 -2.5
MCNL 3.03 226 eP 21 18.38 -1.6
KAIM 3.12 114 ePc 21 17.28 -4.0
DDM 3.14 37 eP 21 22.75 1.1
TTA 3.22 302 iPc 21 20.84 -1.9
WRH 3.28 15 eP 21 23.22 -0.2
NEA 3.29 8 eP 21 22.56 -1.1
DJE 3.38 35 eP 21 25.17 0.3
HDA 3.40 23 eP 21 23.24 -2.0
CCB 3.48 16 eP 21 25.02 -1.4
TGL 3.57 96 eP 21 24.60 -3.2
MLY 3.72 356 eP 21 27.22 -2.7
FBA 3.73 15 ePn 21 27.88 -2.0
BALM 3.75 91 eP 21 26.51 -3.8
KDC 3.80 200 eP 21 27.22 -3.7
eS 22 25.93
GLM 3.86 17 eP 21 29.77 -2.1
WRG 4.16 105 eP 21 32.70 -3.4
YAH 4.19 100 ePc 21 33.40 -3.3
PCA 4.98 100 ePc 21 44.06 -3.6
IMA 5.02 343 ePn 21 45.45 -2.8
BCPM 5.32 100 eP 21 48.26 -4.1
YKU 5.42 105 eP 21 50.77 -3.0
PNL 5.53 103 eP 21 50.67 -4.7
FYU 5.67 20 eP 21 55.70 -1.5
HON 5.86 104 eP 21 54.92 -5.1
ANM 7.69 302 eP 22 22.52 -3.1
SDN 8.13 227 eP 22 29.58 -2.1
SIT 8.69 113 eP 22 33.87 -5.6
BRW 10.36 348 eP 22 57.48 -4.9
YKA 16.61 70 eP 24 21.10 -3.6
0.7s 8.90nm 4.0mb
MBC 18.23 23 eP 24 41.00 -3.6
1.0s 7.00nm 3.8mb X
MCW 19.92 117 eP 25 02.45 -2.0
GMW 20.82 119 eP 25 11.98 -1.7
RMW 21.30 118 iPd 25 16.71 -1.9
BMW 21.48 122 eP 25 18.68 -1.8
LON 21.86 119 eP 25 22.61 -1.6
SHW 22.12 121 eP 25 26.14 -0.8
DPW 22.56 112 eP 25 29.80 -1.4
epP 25 42.30 51kmX
NEW 22.76 110 eP 25 31.50 -1.6
1.0s 45.00nm 4.9mb
epP 25 44.00 51kmX
VGB 23.27 119 iPd 25 37.65 -0.5
SES 24.10 99 eP 25 45.00 -1.0
pP 25 58.00 53kmX
LBFM 26.29 127 ePd 26 05.20 -1.8
LRM 26.71 108 eP 26 08.10 -2.8
FCC 27.34 70 ePc 26 18.50 2.3
ORV 27.99 128 iPd 26 19.43 -2.8
HPI 28.04 112 ePc 26 18.71 -4.4
PTI 29.03 112 eP 26 29.52 -2.3
HVU 29.73 114 ePd 26 35.64 -2.4
ARN 29.91 130 eP 26 37.34 -2.2
BONR 30.61 125 ePd 26 44.17 -1.9
TNP 30.93 124 iPd 26 46.47 -2.3
0.9s 19.84nm 4.9mb
DUG 31.00 116 eP 26 46.70 -2.6
0.8s 4.57nm 4.3mb
ULM 31.48 86 eP 26 51.50 -1.8
DAU 31.51 114 ePd 26 51.21 -2.7
PKEM 31.58 129 (P) 26 52.97 -1.2
RSSD 31.91 101 eP 26 54.00 -3.3
0.8s 20.03nm 5.0mb
ISA 32.55 128 ePd 27 00.26 -2.5
0.8s 16.04nm 5.0mb
MSU 32.67 117 iPd 27 02.06 -2.0
ARUT 32.74 119 iPd 27 02.24 -2.3
SRU 32.89 114 iPd 27 03.36 -2.5
ABL 32.98 129 eP 27 04.44 -2.3
PEC 34.62 127 ePd 27 18.01 -2.6
0.7s 4.64nm 4.5mb
GOL 34.73 108 eP 27 19.64 -2.2
1.2s 11.30nm 4.7mb
PLM 35.21 127 iPd 27 23.56 -2.3
GLA 36.27 125 eP 27 32.81 -1.8
ACO 40.04 104 iPd 28 04.00 -2.2
OCO 41.78 103 iPd 28 19.10 -1.3
MEO 41.87 105 iPc 28 18.00 -3.2

EEO 42.00 77 eP 28 20.00 -2.1
FKO 42.04 104 iPd 28 19.80 -2.7
SIO 42.15 102 iP 28 19.90 -3.5
LNO 42.26 101 eP 28 20.70 -3.5
TUL 42.26 101 eP 28 20.80 -3.5
0.7s 10.50nm 4.7mb
e 28 27.90
e 28 35.80
RLO 42.42 100 eP 28 21.80 -3.8
CCM 42.71 95 eP 28 24.01 -3.9
1.0s 6.28nm 4.3mb
VVO 42.75 102 eP 28 25.00 -3.3
FVM 43.16 95 eP 28 27.73 -3.9
1.0s 11.26nm 4.6mb
LST 44.66 95 eP 28 40.34 -3.4
NAV 48.33 87 eP 29 08.80 -4.0
TBR 48.46 78 eP 29 09.32 -4.3
CVL 48.92 84 eP 29 13.52 -3.7
LMN 49.13 67 ePc 29 16.20 -2.6
CBN 49.27 83 eP 29 16.00 -3.9
PRM 50.17 91 eP 29 22.78 -4.1
CN2 50.37 291 eP 29 22.70 -5.6
1.0s 15.00nm 5.0mb
epP 29 42.00 77kmX
JSC 50.55 89 ePd 29 25.33 -4.4
LHS 50.60 89 ePd 29 26.19 -3.9
SGS 51.79 90 eP 29 35.66 -3.5
NB2 57.11 11 P 30 12.00 -5.8
1.2s 9.40nm 4.7mb
HFS 58.22 9 ePKP 30 18.60 -6.9
0.9s 9.60nm 4.9mb
NUR 58.42 3 eP 30 22.00 -4.8
HHC 58.83 299 eP 30 26.00 -4.2
EKA 60.78 21 Pc 30 38.80 -4.4
1.0s 12.50nm 5.0mb
TIY 61.07 296 eP 30 45.00 -0.5
NJ2 62.94 288 eP 30 52.00 -5.9
OBN 63.79 356 eP 30 59.00 -4.2
e 31 13.00
GTA 64.82 307 eP 31 05.00 -5.3
1.0s 14.00nm 5.0mb
pP 31 20.00 54kmX
LZH 66.08 302 eP 31 16.50 -2.0
1.4s 20.00nm 5.0mb
Z 20s 0.40um 4.6Msz
CLL 66.89 11 iPc 31 18.90 -4.3
1.1s 14.00nm 5.0mb
MOX 67.41 13 iP 31 22.50 -4.0
1.1s 28.00nm 5.3mb
BRG 67.41 11 iP 31 21.80 -4.7
1.0s 20.00nm 5.2mb
KSP 67.64 9 iPc 31 23.90 -4.1
PRU 68.35 11 Pd 31 28.40 -3.9
1.1s 8.30nm 4.7mb
KHC 69.11 11 P 31 33.00 -4.1
1.0s 7.90nm 4.7mb
e 32 04.00
HAU 69.37 17 eP 31 34.40 -4.3
1.0s 15.40nm 5.0mb
GEC2 69.40 11 P 31 32.80 -6.2
0.9s 4.44nm 4.5mb
LOR 69.73 19 eP 31 36.50 -4.4
1.0s 13.80nm 4.9mb
SSF 69.87 19 eP 31 37.50 -4.2
1.1s 29.05nm 5.2mb
LBF 70.02 19 eP 31 38.30 -4.4
0.9s 8.70nm 4.8mb
AVF 70.11 19 eP 31 38.70 -4.5
1.0s 8.80nm 4.7mb
SMF 70.33 19 eP 31 40.10 -4.4
1.1s 15.65nm 5.0mb
ZST 70.34 9 eP 31 40.60 -3.9
e 59 26.50
WTTA 70.75 13 iPd 31 43.30 -4.0
1.0s 21.50nm 5.1mb
KBA 71.12 12 iPd 31 45.80 -3.7
0.9s 22.30nm 5.2mb
i 32 00.90
LPL 71.86 17 eP 31 50.80 -3.3
0.9s 7.35nm 4.7mb
LPG 71.88 17 eP 31 51.00 -3.3
0.8s 8.35nm 4.8mb
SKO 76.82 6 iP 32 18.50 -3.9
MAIO 79.77 336 eP 32 35.00 -3.7
GUN 80.27 312 P 32 37.20 -4.7
KKN 80.60 312 P 32 37.20 -6.2
GKN 80.63 313 P 32 38.20 -5.3

PKI 80.75 312 P 32 39.40 -5.0
DMN 80.82 312 P 32 40.60 -4.1
SLR 144.40 3 iPKPd 40 01.00 -5.8
KSR 144.48 5 ePKP 40 00.50 -6.4
PRY 145.56 4 ePKP 40 04.40 -4.3
0.7s 5.00nm
SEK 146.96 4 ePKP 40 09.00 -2.0
0.7s 13.70nm
BLF 147.68 6 ePKP 40 10.20 -1.9
FRS 148.27 8 iPKPd 40 10.20 -2.6
0.7s 13.70nm
SPA 151.17 180 iPKPd 40 19.20 3.0
1.1s 22.62nm
189 obs. associated

? JUN 09, 1992 08h 46m 52.53± 2.91s
5.641 S ±29.9km 147.073 E ±31.5km
DEPTH = 193.7 ± 11.6 km
4.7mb (3 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 1.01 184 iPd 47 22.50 0.6
FINC 1.24 141 eP 47 42.50 18.8X
YYYY 1.25 241 iPd 47 25.40 1.4
eS 47 49.50
MDG 1.34 287 iPc 47 23.50 -1.1
PMG 3.74 179 iPd 47 50.00 -1.4
OIS 16.51 205 iPd 50 35.00 0.3
i 50 36.80
i 50 44.00
#B2 18.85 220 eP 50 59.10 -1.2
0.6s 37.30nm 5.1mb
eS 54 22.10
ASPA 21.96 214 iPc 51 32.30 1.0
0.8s 25.10nm 4.8mb
eS 55 25.90
ARMA 25.02 171 eP 52 01.00 0.5
STK 26.60 190 eP 52 24.30 9.5X
0.9s 4.30nm 4.2mb
PPD 147.13 147 (PKP) 06 15.00 2.5X
S.D. = 1.4 on 8 of 11 obs.

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* JUN 09, 1992 09h 14m 24.86± 0.71s
33.304 N ±11.4km 71.374 E ±11.8km
DEPTH = 33.0km (normal)
4.4mb (4 obs.)
PAKISTAN (710)

QUE 4.88 232 eP 15 37.90 -0.2
NDI 6.81 131 iPd 16 05.00 0.0
eS 17 17.50
MLR 36.69 303 eP 21 32.00 1.4
HFS 45.79 324 eP 22 44.10 -0.8
0.5s 2.50nm 4.4mb
NB2 47.14 325 P 22 54.60 -1.0
0.6s 2.20nm 4.3mb
MBC 70.51 3 eP 25 38.00 0.3
0.5s 2.00nm 4.4mb
YKA 84.42 3 eP 26 55.00 0.2
0.6s 3.60nm 4.7mb
S.D. = 1.0 on 7 of 7 obs.

JUN 09, 1992 09h 45m 58.45± 0.23s
13.160 S ± 4.3km 167.158 E ± 7.7km
DEPTH = 199.6km (4 depth phases)
4.8mb (18 obs.)
VANUATU ISLANDS (186)

BKM 4.60 167 iPc 47 31.70 23.3X
DZM 8.89 184 iPc 48 07.00 2.7
iS 48 46.00
RMQ 21.77 230 iPd 50 36.40 1.5
0.9s 71.00nm 5.2mb
e 51 20.00
ARMA 22.38 217 iPc 50 42.80 1.9
0.3s 9.00nm 4.8mb
WCZ 23.59 165 P 50 54.30 1.9
KUZ 24.71 163 eP 51 03.70 0.9
MOZ 26.14 166 eP 51 17.00 1.1
HBZ 26.29 160 eP 51 17.50 0.2
PUZ 26.71 160 eP 51 19.50 -1.6
CMS 26.78 224 iPd 51 21.20 -0.6
0.2s 5.00nm 4.9mb
NGZ 26.97 165 eP 51 24.60 1.0
CNZ 26.98 166 eP 51 25.30 1.7
NOZ 27.13 161 eP 51 23.50 -1.4
0.3s 33.00nm 5.5mb

09d 09h

ORZ 27.96 171 eP 51 33.60 1.3
DIW 28.17 169 eP 51 34.70 0.5
KIW 28.42 168 P 51 35.50 -1.0
PGZ 28.50 165 eP 51 35.50 -1.6
0.4s 45.00nm 5.6mb
TCW 28.63 169 eP 51 37.80 -0.5
CAW 28.69 167 eP 51 37.50 -1.4
MRW 28.73 168 eP 51 38.10 -1.1
MTW 28.83 167 P 51 38.50 -1.6
THZ 28.93 171 eP 51 40.90 -0.2
BLW 29.03 167 P 51 40.60 -1.2
MOW 29.03 167 eP 51 40.20 -1.7
AMW 29.03 167 eP 51 40.70 -1.1
KHZ 29.67 170 eP 51 46.50 -0.9
LTZ 29.85 172 P 51 48.90 -0.2
EWZ 30.41 175 eP 51 54 70 0.8
MOZ 30.81 172 eP 51 56.90 -0.5
BWZ 31.35 176 eP 52 01.80 -0.3
ODZ 31.92 175 eP 52 07.20 0.1
WRA 32.13 253 P 52 08.60 -0.7
0.4s 1.00nm 3.8mb X
TUZ 32.76 177 eP 52 15.10 0.8
ASPA 33.16 247 iPd 52 16.70 -1.5
0.3s 13.90nm 5.1mb
FORT 40.02 238 eP 53 15.00 -0.5
WARB 40.12 245 iPc 53 16.70 0.3
0.4s 16.00nm 4.9mb
MEEK 47.30 246 eP 54 13.70 -0.3
NANU 49.82 252 eP 54 33.00 -0.2
MAT 56.47 332 eP 55 21.00 -0.8
1.0s 10.00nm 4.5mb
CN2 68.25 329 eP 56 40.10 0.6
1.0s 7.40nm 4.4mb
TIY 72.04 317 eP 57 03.80 1.2
KMI 73.40 301 Pd 57 08.50 -2.4
1.4s 70.00nm 5.2mb
pP 58 01.00 222kmX
HHC 74.33 319 eP 57 17.00 1.1
1.0s 15.00nm 4.7mb
CHG 74.34 294 eP 57 17.10 0.9
CHTO 74.34 294 iP 57 16.90 0.7
1.3s 11.44nm 4.4mb
SPA 76.93 180 iPc 57 31.50 1.4
0.7s 29.30nm 5.1mb
LZH 77.19 312 eP 57 33.50 1.4
1.5s 30.00nm 4.8mb
SLKM 80.90 20 iP 57 51.73 0.4
TTA 81.05 16 eP 57 53.01 0.9
1.3s 10.80nm 4.4mb
KLU 83.07 21 iP 58 03.51 1.0
epP 58 52.21 199km
MAW 83.29 202 P 58 05.00 1.5
BALM 84.03 22 eP 58 07.94 0.5
epP 58 55.72 194km
IMA 84.17 15 eP 58 09.34 1.3
0.8s 3.47nm 4.1mb
FBA 84.90 18 eP 58 11.21 -0.3
0.3s 23.91nm 5.4mb
epP 58 59.57 197km
RMW 87.21 40 eP 58 24.60 1.3
epP 59 15.84 209km
PKI 88.86 299 P 58 30.60 -1.3
KKN 89.03 299 P 58 31.60 -1.0
DMN 89.13 298 P 58 32.20 -0.9
GKN 89.63 299 P 58 34.00 -1.3
YKA 96.21 27 eP 59 03.70 -0.8
0.8s 0.90nm 4.2mb
KEV 118.19 345 ePKP 04 22.00 -0.5
KAF 123.70 339 iPKP 04 32.90 -0.4
0.5s 12.90nm
NUR 125.38 338 iPKP 04 36.80 0.2
0.4s 22.00nm
KRI 128.55 236 iPKPc 04 45.20 1.0
NB2 129.09 345 PKP 04 43.10 -0.7
0.6s 4.00nm
HFS 129.20 343 ePKP 04 43.10 -0.9
0.4s 4.30nm
GEC2 138.20 334 PKP 05 03.30 1.8
0.8s 2.77nm
SFI 142.74 330 PKP 05 04.40 -5.2X
FLN 143.05 346 ePKP 05 06.90 -3.1X
BOB 143.21 333 PKP 05 08.10 -2.4X
SGO 143.21 323 PKP 05 04.90 -5.6X
LOR 143.23 341 ePKP 05 09.40 -1.0
0.3s 3.00nm
BDI 143.23 331 PKP 05 07.00 -3.6X
LBF 143.44 341 ePKP 05 08.50 -2.3X
0.5s 2.20nm
GRR 143.49 347 ePKP 05 07.30 -3.4X
0.6s 12.55nm
PDCR 143.52 133 ePKP 05 05.20 -6.6X
SSF 143.52 341 ePKP 05 09.40 -1.5
0.7s 7.40nm
LPL 143.72 337 ePKP 05 10.40 -1.1
0.8s 7.10nm
LPG 143.73 337 ePKP 05 10.50 -1.2
0.7s 7.60nm
SMF 143.79 340 ePKP 05 10.10 -1.2
0.6s 4.70nm
AVF 143.81 341 ePKP 05 09.90 -1.4
0.5s 4.65nm
LPF 143.87 347 ePKP 05 10.50 -0.9
0.5s 13.90nm
BNI 144.13 336 PKP 05 11.60 -0.5
BGF 144.18 341 ePKP 05 11.40 -0.6
0.7s 16.00nm
SOI 144.29 319 PKPc 05 11.80 -0.6
MAF 144.57 341 ePKP 05 12.90 0.2
0.9s 23.25nm
TCF 144.62 342 ePKP 05 12.90 0.1
0.9s 24.55nm
SBF 144.80 334 ePKP 05 13.10 -0.1
0.8s 71.20nm
LSF 144.85 343 ePKP 05 13.60 0.4
0.8s 37.60nm
MFF 144.99 345 ePKP 05 14.10 0.8
0.8s 62.85nm
PGF 145.14 331 ePKP 05 14.40 0.5
0.6s 17.25nm
FRF 145.37 335 ePKP 05 15.10 1.0
0.6s 15.60nm
LRG 145.58 335 ePKP 05 15.80 1.4
0.6s 14.95nm
LMR 145.62 335 ePKP 05 15.70 1.2
0.4s 12.90nm
RJF 145.71 342 ePKP 05 16.50 1.9
0.7s 11.70nm
CAF 145.88 341 ePKP 05 17.30 2.3X
0.9s 10.80nm
LFF 146.28 343 ePKP 05 18.10 2.6X
0.7s 15.55nm
LPO 146.38 342 ePKP 05 18.40 2.7X
0.8s 14.25nm
LSPF 147.70 340 PKP 05 22.04 4.1X
LESF 147.83 340 PKP 05 22.51 4.4X
BCAO 147.84 257 ePKPc 05 16.50 -2.5X
0.2s 10.00nm
ic 05 22.00
ic 06 11.00
EPF 148.13 342 ePKP 05 23.60 4.9X
0.8s 7.40nm
EGRA 149.09 342 ePKP 05 25.80 5.7X
ECRI 149.32 345 iPKPc 05 27.05 6.5X
EMON 149.46 352 ePKP 05 26.62 5.9X
EROO 150.10 340 ePKP 05 28.16 6.5X
STS 150.15 354 iPKPc 05 28.37 6.7X
ERUA 150.46 351 ePKP 05 29.45 7.3X
ETOR 150.87 343 iPKPc 05 30.65 7.7X
GUD 151.58 346 iPKPc 05 32.47 8.4X
ECHE 151.66 340 iPKPc 05 32.40 8.3X
EPLA 152.55 349 iPKPd 05 34.25 8.9X
EVIA 153.02 342 iPKPc 85 35.43 9.3X
EALH 153.38 340 ePKP 05 35.84 9.3X
S.D. = 1.1 on 86 of 114 obs.

? JUN 09, 1992 10h 16m 20.49± 1.08s
39.069 N ± 7.8km 27.558 E ±13.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.71 199 iPg 16 34.50 0.0
iSg 16 45.00
EZN 1.22 309 ePn 16 43.10 0.0
KCT 1.33 27 iPn 16 45.00 0.0
KGT 1.40 352 ePn 16 46.00 0.0
CIN 1.52 164 eP 17 19.00 31.2X
KHL 1.71 115 iPg 17 04.00 13.5X
iSg 17 07.50
S.D. = 0.1 on 4 of 6 obs.

• JUN 09, 1992 10h 32m 52.59± 1.21s
12.435 N ± 7.5km 144.715 E ±10.5km
DEPTH = 41.3 ± 10.4 km
4.5mb (7 obs.) 4.3Msz (1 obs.)
SOUTH OF MARIANA ISLANDS (210)

GUA 1.11 10 Pn 33 12.50 0.5
GUMO 1.16 7 Pn 33 12.20 -0.3
e(S) 33 29.40
PJG 1.16 7 eP 33 13.20 0.7
RAB 18.10 155 e(P) 37 02.00 -0.8
MAT 24.71 347 eP 38 10.00 -1.3
1.2s 15.63nm 4.4mb
eS 42 35.00
QIS 33.17 189 eP 39 41.00 13.5X
WB2 33.75 198 eP 39 33.50 0.9
1.4s 4.80nm 4.2mb
i 39 44.80
ASPA 37.41 196 iPd 40 03.90 0.3
0.7s 7.30nm 4.7mb
Z 19s 0.50um 4.3Msz
DZM 40.38 148 iPd 40 27.70 -0.8
LZH 43.63 310 eP 40 56.50 1.4
1.5s 34.00nm 4.9mb
Z 15s 0.34um 4.4MszX
i 41 26.50
GUN 56.84 295 P 42 35.80 -0.4
PKI 57.24 295 P 42 38.10 -0.9
KKN 57.36 295 P 42 38.60 -1.1
DMN 57.51 295 P 42 40.20 -0.6
GKN 57.94 295 P 42 43.20 -0.5
SLKM 67.06 29 eP 43 42.31 -1.4
FBA 69.33 25 eP 43 55.79 -1.8
KLU 69.34 29 eP 43 55.47 -2.4
MAIO 78.94 305 eP 44 55.00 1.1
MBC 79.42 14 eP 44 57.00 1.4
YKA 83.95 27 eP 45 18.60 -0.9
0.8s 1.60nm 4.2mb
PNT 84.34 41 eP 45 25.00 3.3X
NEW 86.19 42 eP 45 31.79 0.8
1.0s 9.00nm 5.0mb
TNP 88.67 51 (P) 45 44.20 0.8
0.5s 1.23nm 4.5mb
SES 89.39 38 eP 45 48.00 1.6
LRM 89.93 43 eP 45 51.10 1.8
OBN 89.97 327 eP 45 50.00 1.1
e 11 31.00
KIC 144.36 300 PKP 52 26.90 -0.1
TIC 144.44 301 PKP 52 27.20 0.0
LIC 144.67 300 PKP 52 27.90 0.4
ZOBO 147.97 101 PKP 52 39.00 5.4X
LPB 147.99 101 PKP 52 34.00 0.6
CNCB 148.09 102 PKP 52 39.00 5.3X
CCH 149.80 103 PKP 52 43.70 7.6X
S.D. = 1.1 on 29 of 34 obs.

• JUN 09, 1992 11h 23m 33.72± 1.67s
33.120 S ±10.2km 70.265 W ±10.9km
DEPTH = 116.9 ± 18.0 km
CHILE-ARGENTINA BORDER REGION (127)
MD 4.0 (SAN).

FCH 0.21 186 iPd 23 50.60 -0.2
iS 24 02.80
PEL 0.35 266 iPc 23 50.90 0.1
iS 24 02.90
SAN 0.47 225 iP 23 51.30 -0.1
iS 24 04.50
JACH 0.52 328 iPc 23 51.80 0.0
iS 24 05.20
PCH 0.54 203 iPd 23 52.30 0.3
iS 24 05.70
ROCH 0.64 283 iPc 23 52.80 -0.1
iS 24 06.20
TACH 0.77 226 iPd 23 53.60 -0.1
iS 24 08.30
CHCH 0.87 202 iPc 23 54.70 0.1
iS 24 10.40
LCCH 1.15 252 iPd 23 57.60 0.3
iS 24 14.80
LNV 1.27 229 iP 23 58.30 -0.3
iS 24 16.70
CFA 2.28 49 ePc 24 11.20 0.0
S 24 38.80
S.D. = 0.2 on 11 of 11 obs.

? JUN 09, 1992 12h 27m 57.02±11.09s
44.575 N ±75.9km 11.733 E ±37.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

SFI 0.66 172 Pd 28 10.20 0.1
eSg 28 17.40
PGD 0.70 181 P 28 10.40 -0.6
eSg 28 18.50
MME 0.83 243 P 28 13.00 -0.3
CRE 0.96 170 P 28 15.70 0.3
eSg 28 27.10
BDI 0.96 238 P 28 15.50 0.1
eSg 28 24.80
PII 1.22 226 P 28 20.00 0.3
eSg 28 31.00
S.D. = 0.5 on 6 of 6 obs.

& JUN 09, 1992 12h 59m 24.26s
37.288 N 121.667 W
DEPTH = 3.9km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.9 (GM).

ARN 0.12 60 iPc 59 26.97 0.2
PKEM 1.75 134 (P) 59 58.65 3.0
PHAM 1.77 144 (P) 59 56.26 0.3
ORV 2.27 3 ePn 00 01.51 -1.6
BCH 2.46 148 ePn 00 04.76 -1.2
BONR 2.75 75 ePn 00 11.36 1.0
ISA 3.04 121 ePn 00 13.64 -0.5
TNP 3.62 76 (Pn) 00 26.61 4.1
8 obs. associated

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* JUN 09, 1992 13h 05m 08.11± 0.99s
65.817 N ±10.7km 154.939 W ± 7.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ALASKA (676)
ML 3.8 (PMR).

IMA 0.58 63 iPc 05 19.64 -0.2
TTA 2.94 190 eP 05 55.32 -0.4
eS 06 39.38
FBA 3.13 104 ePn 05 58.18 -0.2
ANM 4.57 259 ePn 06 19.13 0.3
SVW 4.74 184 eP 06 21.00 -0.3
PMS 5.18 150 eP 06 30.50 3.0X
TOA 5.36 130 eP 06 33.50 3.3X
KLU 5.91 133 eP 06 38.68 0.9
S.D. = 0.6 on 6 of 8 obs.

JUN 09, 1992 13h 17m 53.14± 0.96s
31.141 N ± 6.0km 131.356 E ± 5.9km
DEPTH = 59.0 ± 7.5 km
4.8mb (39 obs.)
KYUSHU, JAPAN (235)

KAGJ 0.40 277 iP+ 18 03.20 -0.9
S 18 11.80
KUMJ 1.46 342 iP+ 18 17.60 0.0
SHNJ 2.98 356 P 18 37.20 -1.8
MAT 7.84 45 (P) 19 42.00 -5.0X
1.0s 8.00nm 4.5mb
eS 21 36.00
SSE 8.72 272 Pc 20 00.20 1.1
1.0s 54.00nm 5.4mb
Z 20s 1.90um 4.5Msz
N 14s 0.70um
E 15s 1.30um
pP 20 06.90
NJ2 10.70 278 Pc 20 27.00 0.8
E 14s 2.17um
SNY 12.36 332 Pc 20 50.00 1.7
Z 15s 2.76um
N 13s 1.31um
E 15s 1.37um
TIA 12.88 297 eP 20 57.40 2.1
1.4s 84.00nm 5.4mb
Z 14s 2.24um 4.3Msz
CN2 13.47 341 eP 21 08.30 5.3X
1.0s 8.60nm 4.4mb
Z 15s 3.48um 4.4MszX
N 15s 3.41um
E 15s 1.17um
epP 21 18.00
MDJ 13.52 355 eP 21 07.00 3.3X
1.2s 26.00nm 4.8mb
WHN 14.62 272 eP 21 21.00 2.9X
Z 16s 2.62um
E 14s 1.23um
eS 24 05.00
BJI 15.19 310 eP 21 27.50 2.1
1.4s 95.00nm 4.8mb
Z 16s 3.04um 4.7MszX
E 14s 1.89um
PIP 16.05 220 iPd 21 39.00 2.6X
TIY 16.92 298 Pc 21 52.00 4.6X
0.8s 45.00nm 4.7mb
Z 16s 1.67um 4.0Msz
N 10s 0.37um
E 12s 0.57um
pP 22 04.00
sP 22 10.00
YSS 18.11 26 eP 22 02.50 0.6
Z 16s 0.90um
N 16s 1.00um
HHC 18.68 307 Pc 22 09.80 0.7
1.1s 44.00nm 4.6mb
Z 15s 2.95um 4.4Msz
N 15s 1.29um
E 14s 1.22um
XAN 19.12 285 Pc 22 13.40 -0.8
1.2s 42.00nm 4.6mb
BTO 19.66 305 eP 22 19.90 -0.1
1.0s 30.00nm 4.5mb
N 13s 0.90um
E 13s 1.47um
GYA 22.12 264 P 22 45.40 0.3
LZH 23.40 290 eP 22 58.00 0.4
1.2s 110.00nm 5.2mb
Z 14s 1.18um 4.5MszX
E 13s 0.83um
pP 23 09.50 45kmX
CD2 23.63 277 P 23 00.30 0.5
1.0s 150.00nm 5.4mb
eS 27 14.00
CIT 24.59 333 eP 23 09.00 0.2
e 23 18.50
KMI 25.90 264 eP 23 23.00 1.4
0.5s 30.00nm 5.1mb
GTA 26.94 297 iPc 23 30.00 -0.9
1.0s 38.00nm 4.9mb
Z 14s 1.16um 4.6MszX
E 12s 0.46um
BOD 29.20 341 eP 23 49.80 -1.2
PET 29.49 34 eP 23 59.00 5.4X
Z 20s 0.50um 4.1Msz
e 24 04.00
CHG 31.72 255 ePc 24 13.40 -0.2
0.9s 29.62nm 5.1mb
e 27 04.80
CHTO 31.72 255 iPc 24 13.30 -0.3
0.9s 30.48nm 5.1mb
MGD 31.74 18 eP 24 11.00 -2.3
NNT 34.49 245 iPd 24 37.80 0.2
LSA 34.57 278 P 24 39.80 1.0
WMQ 36.48 303 P 24 54.30 0.0
2.0s 22.00nm 4.7mb
Z 18s 1.05um 4.7Msz
E 18s 0.93um
IPM 38.87 233 ePd 25 15.90 1.3
0.8s 24.50nm 5.1mb
GUN 39.49 277 P 25 19.10 -1.0
PKI 39.99 277 P 25 22.70 -1.4
KKN 40.04 277 P 25 24.00 -0.4
DMN 40.24 277 P 25 24.10 -2.0
GKN 40.52 278 P 25 27.80 -0.5
SEM 42.27 312 iPc 25 41.80 -0.4
1.0s 53.00nm 5.3mb
e 25 51.00
e 27 33.00
NRI 45.39 340 eP 26 03.00 -4.0X
1.7s 15.00nm 4.6mb
Z 15s 1.60um 5.1MszX
E 15s 1.30um
e 27 44.00
HYB 49.61 267 eP 26 40.50 -0.2
WRA 50.87 176 P 26 49.80 -0.3
0.8s 1.60nm 4.1mb
WB2 50.87 176 iPc 26 49.50 -0.6
0.8s 7.00nm 4.7mb
i 26 58.10
OIS 52.01 170 eP 26 57.00 -1.7
POO 53.16 271 iPd 27 11.40 3.9X
SVE 54.16 320 iPc 27 13.00 -1.3
ASPA 54.55 177 iPd 27 17.50 0.0
0.8s 5.30nm 4.6mb
i 27 28.70
OUE 54.68 287 eP 27 19.20 0.5
ARU 55.32 320 iPc 27 21.00 -1.7
0.8s 40.00nm 5.5mb
e 27 31.00
FBA 58.43 30 eP 27 44.55 -0.1
0.7s 4.10nm 4.7mb
epP 27 55.39 37kmX
MAIO 58.74 296 eP 27 48.00 0.7
STK 63.43 170 eP 28 18.90 0.1
0.8s 2.00nm 4.2mb
i 28 29.80
MBC 64.41 15 ePc 28 24.40 -0.4
1.0s 24.00nm 5.1mb
pP 28 35.00 34kmX
KEV 65.89 338 ePKP 28 33.00 -1.4
0.6s 13.00nm 5.1mb
i 28 43.00
GRS 67.45 303 eP 28 44.00 -0.9
1.5s 40.00nm 5.2mb
OBN 67.65 322 eP 28 44.00 -1.7
i 28 54.00
KIV 68.27 309 iP 28 50.20 0.3
i 28 59.20
KAF 69.54 331 ePKP 28 52.40 -4.9X
NUR 71.02 330 ePKP 29 02.60 -3.6X
YKA 72.93 26 eP 29 16.80 -0.8
0.9s 2.40nm 4.1mb
HFS 75.74 333 eP 29 31.70 -2.1
0.4s 2.60nm 4.5mb
Z 17s 0.27um 4.6MszX
LR 01 55.00
NB2 76.11 334 P 29 34.30 -1.7
0.9s 9.60nm 4.7mb
HRI 77.84 301 eP 29 38.10 -8.0X
OJC 78.93 322 eP 29 51.60 -0.1
0.7s 22.00nm 5.2mb
e 29 52.40
DPW 79.70 40 (P) 29 56.40 0.5
epP 30 07.64 37kmX
PRNI 79.83 299 eP 29 58.00 1.1
MBH 80.20 299 eP 29 59.80 0.8
KSP 80.35 324 eP 30 00.00 0.8
CLL 81.66 326 eP 30 07.00 0.9
i 30 16.50
SES 81.89 35 eP 30 08.00 0.6
pP 30 20.00 40kmX
FCC 82.78 22 eP 30 17.50 5.8X
GEC2 82.91 324 P 30 11.40 -1.4
0.7s 1.51nm 4.1mb
LRM 84.08 39 eP 30 20.90 1.9
VOY 84.62 322 e(P) 30 21.20 -0.3
BONR 85.44 48 eP 30 27.11 1.1
epP 30 38.58 37kmX
EKA 85.48 336 P 30 25.00 -0.5
0.9s 3.20nm 4.4mb
TNP 86.05 47 eP 30 30.23 1.3
CDF 86.35 326 eP 30 30.90 0.8
0.8s 6.45nm 4.8mb
LPL 88.66 325 eP 30 41.80 0.4
0.5s 3.00nm 4.8mb
LPG 88.66 325 eP 30 42.00 0.5
0.7s 5.30nm 4.9mb
ULM 88.81 28 eP 30 44.00 2.3
RSSD 89.64 36 eP 30 48.29 2.2
1.4s 13.26nm 5.0mb
epP 30 59.00 34kmX
PV10 90.85 43 eP 30 53.70 1.9
epP 31 04.40 33kmX
KIC 123.88 304 PKP 36 46.80 0.1
TIC 123.88 304 PKP 36 46.80 0.1
LIC 124.18 304 PKP 36 47.30 0.0
S.D. = 1.1 on 73 of 86 obs.

& JUN 09, 1992 13h 48m 41.30s
34.309 N 117.052 W
DEPTH = 6.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 2.5 (PAS).

PEC 0.43 192 ePd 48 49.29 -0.6
iS 48 55.14
SSK 0.54 260 eP 48 51.47 -0.7
PLM 0.97 171 iP 48 59.23 -0.9
iS 49 12.39
ABL 1.87 287 eP 49 13.85 -0.4
eS 49 41.08
BONR 3.78 345 (Pn) 49 40.60 -1.0
5 obs. associated

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------------------------------------
JUN 09, 1992 14h 23m 10.91± 0.68s
 5.577 S ± 6.5km 149.488 E ± 6.7km
 DEPTH = 136.6 ± 6.9 km
 4.8mb ( 6 obs.)
NEW BRITAIN REGION, P.N.G.      (192)

LAT    2.70 247 eP   23 53.90  -0.5
RAB    3.01  63 iPc  23 58.00  -0.4
       0.5s  197.18nm
MDG    3.71 275 eP   24 09.00   1.3
PMG    4.46 211 iPc  24 17.00  -0.7
                eS   26 08.00
QIS   17.72 212 iPd  27 10.40  -0.2
MTN   19.50 247 eP   27 29.30  -0.5
WB2   20.51 225 iPd  27 39.90  -0.3
       0.3s  119.20nm        5.8mb
                eS   31 08.10
RMQ   20.81 182 iPc  27 43.20   0.1
       0.6s   20.00nm        4.7mb
QLP   21.48 193 iPd  27 50.60   0.8
KNA   22.71 242 eP   28 02.20   0.4
DZM   23.19 137 iPc  28 06.80   0.2
ASPA  23.43 218 iPc  28 09.80   1.0
       0.4s   55.70nm        5.4mb
                eS   32 09.60
ARMA  24.79 176 eP   28 22.00   0.2
       0.3s    6.00nm        4.6mb
WARB  29.94 224 iPc  29 08.30   0.0
       0.3s    6.00nm        4.8mb
MEEK  36.13 231 eP   30 01.70   0.0
NANU  36.87 239 eP   30 08.00   0.0
MAT   43.21 347 eP   31 02.00   2.0
       0.8s    7.46nm        4.4mb
GUN   69.72 302 P    34 08.10  -0.6
PKI   70.01 302 P    34 05.80  -4.6X
KKN   70.19 302 P    34 10.40  -1.0
DMN   70.28 302 P    34 11.10  -0.9
GKN   70.80 302 P    34 14.10  -0.9
   S.D. = 0.8 on 21 of 22 obs.
------------------------------------
JUN 09, 1992 14h 45m 02.58± 0.13s
 1.119 N ± 2.6km 124.172 E ± 3.3km
 DEPTH = 42.1km ( 7 depth phases)
 5.6mb ( 75 obs.) 5.3Msz ( 39 obs.)
MINAHASSA PENINSULA, SULAWESI   (265)
   Mo=6.3*10**17 Nm (PPT),
   CENTROID, MOMENT TENSOR      (HRV)
   Data Used: GDSN
   L.P.B.: 35S, 80C
   Centroid Location:
   Origin Time      14:45: 3.4 0.2
   Lat  1.10N 0.02 Lon 124.19E 0.02
   Dep  26.7 1.4 Half-duration  2.8
   Moment Tensor;    Scale 10**17 Nm
     Mrr= 4.35 0.10  Mtt=-4.13 0.09
     Mff=-0.22 0.13  Mrt=-1.13 0.28
     Mrf=-0.24 0.21  Mtf= 0.59 0.10
    Principal Axes:
     T  Val=  4.52  Plg=81  Azm=153
     N       -0.17     5        277
     P       -4.35     7          8
   Best Double Couple:Mo=4.4*10**17
    NP1:Strike=103 Dip=38 Slip=  98
    NP2:       273     52        84

TSM    7.04 297 ePd  46 43.50  -2.3
                e    52 33.50
CGP    7.31   4 ePc  46 48.00  -1.5
BIP    7.36  16 iPc  46 50.00  -0.2
MAP    9.15 359 ePc  46 59.00 -16.0X
KKM    9.33 302 ePc  47 16.50  -1.1
PLP   10.01   5 ePd  47 27.00   0.1
PGP   12.71 346 ePc  48 07.00   3.6X
TAY   13.08 349 eP   48 12.00   3.6X
TGY   13.29 346 ePc  48 16.00   4.9X
QVP   13.78 347 eP   48 22.50   5.0X
MTN   15.50 154 eP   48 38.00  -2.0
KNA   17.36 165 eP   49 02.70  -0.9
       0.6s  138.00nm        5.3mb
PIP   17.45 349 eP   49 07.50   2.9X
WWKK  20.00 104 eP   49 33.10  -1.6
MNDI  20.75 111 eP   49 47.00   4.3X
KGM   20.86 273 ePd  49 44.00   1.2
MDG   22.49 107 eP   50 01.00   1.1
KLM   22.60 275 eP   50 03.00   2.1
QIZ   22.67 323 Pc   50 02.00   0.3

       1.2s  140.00nm        5.3mb X
    N 13s      6.31um
                pP   50 13.50  46km
WRA   23.19 155 P    50 06.69   0.0
WB2   23.19 155 iPc  50 06.20  -0.5
       1.3s  345.80nm        5.7mb
                eS   53 44.70
HKC   23.20 336 eP   50 07.90   1.2
                eS   54 26.00
IPM   23.37 279 ePc  50 09.30   0.8
       1.2s  409.00nm        5.8mb
GUMO  23.94  58 e(P) 50 13.10  -0.9
       1.0s  134.30nm        5.4mb
    Z 22s      2.80um        4.7Msz
                eS   54 35.30
GUA   23.95  58 e(P) 50 13.00  -1.1
       1.8s  727.27nm        5.9mb
LAT   24.06 109 eP   50 17.50   2.4
GZH   24.24 335 iPc  50 19.00   2.2
       1.6s  810.00nm        6.0mb
    Z 16s      8.31um        5.3MszX
    N 12s      3.27um
    E 13s      4.44um
                iS   54 35.00
                SS   55 27.00
SNG   24.24 285 iPc  50 19.00   2.1
       1.4s 1153.49nm        6.2mb
                eS   54 42.00
                e    59 12.40
QZH   24.29 348 iPc  50 18.00   0.7
       1.5s 1000.00nm        6.1mb
    Z 20s      8.71um        5.2Msz
NANU  25.00 199 eP   50 23.50  -0.6
       0.7s   89.00nm        5.4mb
PMG   25.17 115 eP+  50 26.00   0.2
QIS   26.32 146 iPc  50 35.90  -0.5
       1.0s  396.00nm        6.0mb
                i    55 22.00
ASPA  26.39 160 iPc  50 36.40  -0.7
       1.0s  209.10nm        5.7mb
                eS   55 09.00
NNT   26.77 296 iPd  50 41.70   1.1
WARB  27.25 175 eP   50 45.00   0.1
       0.6s   25.00nm        5.0mb
NST   27.77 303 eP   50 50.50   0.7
MEEK  28.11 191 eP   50 51.00  -1.8
RAB   28.47 101 eP   50 54.00  -2.1
KHT   28.69 300 eP   50 59.60   1.6
BDT   29.49 304 iPd  51 06.00   0.8
       1.2s  158.00nm        5.6mb
SSE   29.95 355 Pc   51 09.50   0.4
       2.0s   60.00nm        5.0mb
    Z 20s      4.60um        5.1Msz
    N 10s      2.20um
    E 10s      2.00um
                PP   52 06.00
                sS   56 20.00
CTA   30.21 135 P    51 13.10   1.4
GYA   30.30 328 P    51 13.60   1.1
    Z 20s     10.60um        5.5Msz
    N 12s      3.08um
    E 12s      1.68um
                sP   51 28.00
                S    56 16.00
CHG   30.35 307 ePc  51 13.80   0.9
       1.0s  100.75nm        5.5mb
                eS   56 12.00
CHTO  30.35 307 iPc  51 13.00   0.9
       1.2s  139.58nm        5.6mb
                pP   51 21.80  28kmX
                sP   51 32.80
KAGJ  30.57  11 P    51 13.00  -0.9
WHN   30.71 343 Pc   51 16.00   0.1
       1.0s   36.00nm        5.1mb
    Z 21s      6.37um        5.3Msz
    E 10s      3.08um
                sP   51 28.00
                S    56 20.00
MRWA  31.16 194 eP   51 18.40  -1.5
       0.4s   12.00nm        5.0mb
NJ2   31.17 351 Pc   51 19.00  -0.9
       1.6s   91.00nm        5.3mb
    N 12s      1.41um
    E 10s      2.05um
                S    56 27.00
KMI   31.59 321 iPc  51 26.00   2.0
       1.0s  350.00nm        6.1mb

    Z 20s      4.20um        5.1Msz
    N 12s      2.40um
    E 12s      1.80um
                pP   51 32.00  21kmX
                S    56 36.00
KUMJ  31.87  11 P    51 24.50  -1.6
FORT  31.94 174 eP   51 25.50  -1.1
QLP   33.66 146 eP   51 41.00  -0.7
MUN   33.77 192 eP   51 40.40  -2.2
TKSJ  33.98  15 eP   51 39.20  -5.2X
SHK   34.18  13 eP   51 46.00  -0.1
NWAO  34.49 190 eP   51 48.50  -0.3
WKYJ  34.62  17 P    51 49.80  -0.2
YONJ  34.98  13 P    51 52.90  -0.1
CD2   35.39 329 P    51 57.20   0.7
       1.4s  110.00nm        5.6mb X
    N 12s      3.50um
                ipP  52 10.20  49km
                sP   52 15.00
                S    57 27.50
TIA   35.52 350 P    51 57.40  -0.2
       1.6s  180.00nm        5.8mb
    Z 40s     10.40um        5.3MszX
    E 10s      1.22um
                PP   53 22.50
                S    57 26.50
XAN   35.73 338 Pc   51 59.00  -0.4
       1.0s  120.00nm        5.8mb
    N 14s      4.17um
    E 11s      1.63um
                PP   53 16.00
                S    57 36.00
                ScS  02 12.50
TSRJ  35.96  17 P    52 01.10  -0.2
RMQ   36.27 141 eP   52 04.00   0.0
       1.2s   59.00nm        5.4mb
IIDJ  36.50  19 P    52 05.60  -0.3
STK   36.74 155 iPc  52 07.70  -0.2
       0.8s   25.60nm        5.2mb
HNR   37.14 107 eP   52 12.00   0.6
CHJJ  37.38  20 P    52 12.90  -0.3
MTMJ  37.48  18 P    52 13.70  -0.4
MAT   37.57  19 iPc  52 13.60  -1.2
       1.8s  500.00nm        6.1mb
                eS   58 03.00
DL2   37.68 357 eP   52 16.00   0.4
    Z 20s      3.36um        5.1Msz
    N 17s      3.18um
KAKJ  37.93  21 eP   52 16.20  -1.6
TIY   37.99 345 iPc  52 19.00   0.6
       1.0s   86.00nm        5.6mb
    Z 20s      5.00um        5.3Msz
    N 15s      2.30um
                PP   53 49.00
                S    58 13.00
                sS   58 27.00
CMS   38.39 149 iPd  52 22.90   1.2
ADE   38.39 161 eP   52 22.50   0.7
       1.1s  374.68nm        6.2mb
NIIJ  38.46  19 P    52 19.40  -2.9X
BJI   39.42 350 eP   52 29.00  -1.2
       1.8s  290.00nm        5.8mb
    Z 43s      8.40um        5.2MszX
    N 14s      1.41um
                eS   58 33.00
LZH   39.57 334 iPc  52 33.20   1.4
       1.2s  500.00nm        6.2mb
    Z 24s      6.56um        5.4MszX
    N 10s      1.96um
    E 13s      3.15um
                pP   52 40.00  23kmX
                sP   52 43.00
                PP   54 02.00
                ScS  02 40.00
YAMJ  39.65  20 P    52 32.60   0.4
SNY   40.53 359 iPc  52 39.00  -0.3
    Z 24s      7.53um        5.5MszX
    E 11s      1.39um
                PcP  54 45.50
                sS   59 04.00
ARMA  40.83 142 iPd  52 43.60   1.5
       0.5s   39.00nm        5.4mb
OFUJ  41.03  21 P    52 44.30   0.8
HHC   41.17 345 iPc  52 45.00   0.3
       1.5s   82.00nm        5.2mb
    Z 22s      6.20um        5.4Msz
    N 11s      1.07um
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      E  12s       0.81um
                   pP        52 56.00   39km
                   PP        54 27.00
                   S         58 58.00
BTO     41.34 344 iPd        52 46.00   -0.2
      N  18s       3.16um
      E  18s       0.37um
                   pP        52 57.00   39km
                   PP        54 24.00
AOMJ    41.92  19 eP         52 53.00    2.2
LSA     42.36 315 iPc        52 57.00    1.9
      N  12s       1.04um
                   eS        59 18.00
CN2     42.51   1 Pc         52 55.00   -0.5
      Z  26s       4.58um              5.2MszX
      N  13s       0.66um
      E  13s       1.58um
                   epP       53 04.00   30kmX
                   eS        59 11.00
                   eSS       02 13.00
                   eScS      02 50.00
CNB     43.22 149 iPd        53 05.00    3.5X
        1.0s      80.00nm              5.4mb
TOO     43.26 155 iPd        53 03.90    2.1
        0.9s     162.00nm              5.8mb
MDJ     43.58   6 eP         53 04.50    0.3
      Z  44s       7.61um              5.3MszX
                   S         59 24.00
                   sS        59 44.00
MRRJ    43.83  18 eP         53 07.40    1.1
CTA     44.12 333 iPc        53 09.50    0.6
        2.0s     250.00nm              5.6mb
      Z  24s      13.00um              5.8MszX
      N  12s       1.76um
                   pP        53 20.00   36km
                   sP        53 26.00
                   PP        54 54.00
                   S         59 36.00
                   sS        59 56.00
                   SS        02 52.00
SAP     44.49  18 eP         53 12.00    0.4
HOOJ    44.52  20 eP         53 14.30    2.4
GUN     45.29 309 P          53 18.60   -0.1
PKI     45.49 309 P          53 19.60   -0.7
KUSJ    45.65  21 eP         53 20.20   -0.7
KKN     45.70 309 P          53 21.50   -0.3
DMN     45.75 309 P          53 22.00   -0.2
ASAJ    45.85  19 P          53 23.10    0.6
GKN     46.30 309 P          53 25.70   -0.8
BKM     47.23 115 iPc        53 35.50    1.7
DZM     47.23 122 iPc        53 34.00    0.2
HYB     47.67 293 ePc        53 37.30    0.0
        1.2s      36.30nm              5.3mb
YSS     48.49  17 iP         53 42.00   -1.1
        1.3s     170.00nm              5.9mb
      Z  20s       1.10um              4.8Msz
      N  20s       1.30um
                   e         55 30.00 594kmX
                   eS        00 42.00
                   ePS       00 56.00
KUR     48.65  22 eP         53 43.00   -1.3
        1.2s     320.00nm              6.2mb
      Z  20s       3.20um              5.3Msz
      N  20s       3.20um
      E  20s       3.20um
                   eS        00 51.00
CIT     51.47 352 eP         54 06.00    0.1
      Z  20s       1.62um              5.0Msz
                   e         56 00.00 626kmX
                   eS        01 20.00
POO     52.28 293 iPd        54 16.80    4.3X
NDI     52.49 306 iPc        54 12.00   -1.9
WMQ     53.47 328 iPc        54 20.50   -0.4
        2.0s     100.00nm              5.5mb X
      Z  23s       5.82um              5.6MszX
      N  15s       2.79um
                   pP        54 33.00   44km
                   PcP       55 24.00
                   PP        56 20.00
                   ScP       59 16.00
                   PcS       59 26.00
                   S         01 52.00
                   ScS       04 03.80
                   SS        05 34.00
IRK     53.62 345 ePc        54 20.20   -1.7
      Z  20s       2.16um              5.2Msz
      E  15s       0.76um
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                   e         55 27.00 312kmX
                   eS        01 52.00
BOD     57.12 354 iPc        54 46.10   -1.0
        1.6s      92.00nm              5.6mb
KSH     58.11 317 P          54 56.00    1.5
        1.4s     170.00nm              6.0mb
      Z  17s       2.29um              5.4MszX
      N  14s       1.88um
PET     59.11  23 iP+        55 02.00    1 0
        1.5s     200.00nm              6.0mb
      Z  22s       1.30um              5.0Msz
                   e         57 12.00 707kmX
                   eS        03 11.00
TLG     59.12 322 iPc        55 02.30    0.9
      Z  13s       0.40um              4.7MszX
      N  17s       1.20um
      E  14s       0.80um
                   i         55 55.00 233kmX
                   ePPP      57 15.00
                   eS        03 09.00
WCZ     59.45 134 P          55 04.80    1.1
MSZ     59.88 145 P          55 07.20    0.7
KUZ     60.80 134 P          55 13.40    0.5
YAK     60.89   3 iPc        55 12.00   -1.0
        2.0s     257.00nm              6.0mb
                   e         03 32.00
EWZ     60.94 143 P          55 14.80    1.1
WLZ     61.21 135 P          55 16.30    0.6
THZ     61.28 140 eP         55 15.30   -0.9
QUE     61.42 304 eP         55 16.90   -0.6
SEM     61.59 330 ePc        55 16.80   -1.3
        1.8s     129.00nm              5.8mb
      Z  16s       1.00um              5.1MszX
                   e         57 34.00 749kmX
                   ePPP      59 11.00
                   (S)       03 32.00
                   e         03 58.00
                   e         07 39.00
GAR     61.86 314 iP         55 20.00   -0.3
      Z  26s       1.80um              5.1MszX
                   iS        03 42.00
                   i         05 00.00
KHZ     62.02 140 P          55 20.40   -0.7
SNZO    62.22 139 P          55 22.00   -0.4
MGD     62.32  15 ePc+       55 22.00   -0.8
        1.5s     220.00nm              6.1mb
      Z  19s       1.10um              5.0Msz
      N  19s       1.00um
      E  19s       0.50um
                   e         55 47.00 100kmX
                   e         56 00.00
                   ePPP      59 08.00
                   eS        03 48.00
                   ePS       04 07.00
MCQ     62.40 158 P          55 33.70   10.3X
URZ     62.46 135 eP         55 23.50   -0.5
HBZ     63.03 134 P          55 27.90    0.1
PUZ     63.20 134 eP         55 27.90   -1.1
NOZ     63.27 135 eP         55 28.70   -0.7
SMY     66.00  31 P          56 00.00   13.2X
      Z  19s       2.04um              5.3Msz
CSY     67.97 186 eP         55 58.90   -0.1
        0.9s      34.20nm              5.4mb
DRV     68.57 173 eP         56 03.90    1.1
                   S         05 11.00
                   SS        09 25.00
                   SSS       13 05.00
MAIO    69.09 309 iPc+       56 06.00   -0.8
                   eS        05 16.00
ASH     70.39 310 eP         56 14.00   -0.5
        1.5s     170.00nm              5.8mb
                   e         56 31.00   62kmX
                   e         58 55.00
                   ePPP      00 39.00
                   ePS       05 54.00
KAT     72.28 311 iP+        56 25.00   -0.8
                   e         56 43.00   66kmX
                   e         59 07.00
                   eS        05 37.00
                   ePS       06 02.00
                   e         06 18.00
NRI     72.29 347 iPc+       56 23.50   -1.8
        1.8s     144.00nm              5.6mb
      Z  21s       2.40um              5.4Msz
      N  21s       0.70um
      E  21s       1.20um
                   e         56 42.00   69kmX
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                   e         59 07.00
                   ePPP      00 51.00
                   eS        05 45.00
                   ePPS      06 20.00
SVE     74.86 329 iPc        56 40.00   -0.5
        1.9s     180.00nm              5.7mb
      Z  21s       1.50um              5.3Msz
      N  21s       0.60um
      E  21s       1.10um
                   e         57 03.80   91kmX
                   ePPP      01 19.00
                   eS        06 15.00
                   ePS       07 00.00
ARU     75.76 329 iPc+       56 44.50   -1.1
        1.5s     120.00nm              5.6mb X
                   e         56 57.00   42km
                   e         57 10.00
                   e         59 37.00
                   ePPP      01 20.00
                   eS        06 21.00
                   e         06 50.00
                   ePS       07 17.00
                   eSS       11 20.00
ILT     77.10  19 iPc        56 52.60   -0.3
        1.5s      68.00nm              5.5mb
      Z  20s       0.90um              5.1Msz
      N  20s       0.40um
      E  20s       0.60um
                   i         57 10.20   64kmX
                   eS        06 34.00
                   iPS       07 12.00
                   i         07 20.00
BAK     77.32 311 iPc        56 58.00    3.3X
                   iS        06 52.00
HON     78.25  69 P          57 10.00    9.8X
      Z  21s       0.74um              5.0Msz
SHE     78.31 311 iPc        57 00.00   -0.1
        1.0s     100.00nm              5.8mb
                   i         00 00.00
                   iS        06 58.00
GRS     79.91 310 iPc+       57 08.20   -0.9
        1.4s     140.00nm              5.7mb
                   eS        06 54.00
MAW     80.44 200 e(P)       57 08.00   -3.1X
        1.0s      47.00nm              5.4mb
SDN     80.76  34 eP         57 13.25    0.3
        1.1s     264.14nm              6.1mb
      Z  18s       1.51um              5.4Msz
GRO     80.86 314 iP+        57 13.00   -0.8
        1.5s     160.00nm              5.8mb
      Z  20s       1.50um              5.3Msz
      N  16s       2.50um
      E  19s       1.50um
                   eS        07 16.00
ARO     81.28 281 eP+        57 17.50    0.9
MTA     81.32 312 iP         57 16.40    0.2
        1.0s      10.00nm              4.8mb
                   e         00 25.00
                   ePPP      02 12.00
                   eS        07 29.00
                   ePS       08 16.00
                   eSS       08 38.00
ERE     81.39 310 iP+        57 16.00   -0.8
SBA     82.13 172 ePd        57 22.70    2.9X
PYA     82.83 314 iPc        57 23.00   -1.1
                   eS        07 40.00
                   ePS       08 40.00
KIV     83.09 314 iP         57 25.10   -0.5
      Z  19s       0.89um              5.2Msz
                   i         00 42.80
                   iS        07 36.40
                   ePS       08 28.80
SVW     84.29  29 ePc        57 32.65    1.5
        1.5s     122.67nm              5.8mb
TTA     84.37  27 iPc        57 32.48    0.9
        1.6s     139.24nm              5.8mb
                   e         57 39.36   22kmX
SOC     85.21 313 iPd+       57 36.00   -0.1
        1.0s      50.00nm              5.6mb
                   e         08 00.00
AAE     85.29 279 eP         57 38.00    0.6
BRW     85.44  19 ePd        57 38.19    1.5
KDC     85.49  32 ePc        57 38.23    1.1
        1.6s      97.49nm              5.8mb
IMA     85.79  24 ePc        57 39.39    0.7
        1.5s      57.74nm              5.6mb
SLKM    86.86  30 ePc        57 43.38   -0.5
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09d  14h

ANN     86.99 315 eP     57 43.00  -1.8
        1.2s    80.00nm          5.8mb
                  eS     08 11.00
                  ePPS   09 28.00
MOS     87.13 326 eP     57 44.00  -1.2
     Z  18s     2.10um           5.6Msz
                  e      08 02.00
                  eS     08 10.00
PMS     87.22  29 eP     57 44.90  -0.8
        1.5s    40.90nm          5.4mb
PMR     87.44  29 (P)    57 47.59   1.0
        1.6s    57.52nm          5.6mb
     Z  21s     1.14um           5.3Msz
OBN     87.70 325 iPc+   57 47.00  -1.0
        1.5s   175.00nm          6.1mb
     Z  20s     1.50um           5.4Msz
     N  20s     0.70um
     E  18s     1.10um
                  e      58 07.00  72kmX
                  e      01 19.00
                  eS     08 28.00
                  ePS    09 32.00
                  ePPS   09 52.00
KVT     87.86 311 iP     57 50.00   0.9
BHL     88.15 304 P      57 43.80  -7.0X
                  PP     01 20.00
                  S      08 36.00
FBA     88.16  25 (P)    57 49.50  -0.5
        0.6s     5.01nm          5.0mb
KLU     88.98  29 eP     57 54.60   0.5
CSS     90.06 305 eP     58 01.00   1.3
BALM    90.72  29 ePc    58 02.90   0.6
                  PP     01 33.63
SPA     91.11 180 iPc    58 05.50   1.5
        1.5s    31.82nm          5.5mb
HLW     91.91 300 eP     58 09.00   0.7
KAF     92.71 332 iP     58 10.20  -1.0
        0.9s    12.20nm          5.3mb
KIS     92.82 317 eP     58 10.00  -2.0
                  e      01 58.00
MNK     93.01 324 eP     58 11.00  -1.7
NUR     93.73 331 eP     58 14.90  -1.0
VRI     94.40 316 ePd    58 19.00  -0.4
KRI     94.68 253 iPd    58 21.00  -0.4
                  ipP    58 26.00  16kmX
                  i      58 59.20
SIT     94.78  33 P      58 30.00   9.1X
     Z  20s     1.84um           5.5Msz
MLR     94.98 316 eP     58 22.00  -0.3
BUC1    95.05 315 ePc    58 23.00   0.6
BUL     95.60 250 iPc    58 25.60   0.0
        1.0s    35.00nm          5.8mb
LVV     95.69 320 eP     58 25.00  -0.3
                  e      02 19.00
                  e      04 19.00
SLR     95.79 244 iPc    58 26.50   0.1
        1.0s    15.00nm          5.4mb
LSZ     96.07 255 iPd    58 27.00  -0.7
UZH     97.00 319 eP     58 31.50   0.3
     Z  20s     2.00um           5.6Msz
     E  20s     2.00um
                  e      59 04.10 125kmX
                  e      02 33.00
VAY     97.97 312 iP     58 34.40  -1.3
OJC     98.31 321 eP     58 37.60   0.5
DAG     99.49 352 iPc    58 41.50  -0.5
        1.3s    34.62nm          5.7mb
NB2     99.95 333 P      58 43.00  -1.4
        0.8s     2.50nm          4.8mb
KSP    100.35 322 ePdiff58 46.80   0.5
                  e      02 37.50
PRU    101.65 322 ePdiff58 52.50   0.4
     Z  21s     1.30um           5.4Msz
     N  20s     0.80um
     E  22s     0.90um
                  e      02 07.50
                  e      02 50.20
BRG    101.77 323 ePdiff58 52.80   0.2
        1.3s    20.00nm          5.6mb
     Z  20s     1.00um           5.3Msz
     N  20s     1.00um
     E  20s     1.50um
                  e      03 03.00
                  e      03 12.00
CLL    102.21 323 ePdiff58 54.00  -0.6
        1.6s    14.00nm          5.4mb
     Z  18s     0.50um           5.1Msz

KHC    102.50 321 ePdiff58 55.50  -0.5
     Z  20s     1.20um           5.4Msz
     N  20s     0.50um
     E  20s     1.60um
                  e      00 15.50
                  e      02 57.00
GEC2   102.50 321 Pdiff 58 55.80  -0.3
        0.7s     0.82nm        4.5mb X
YKA    102.91  24 ePdiff59 00.00   2.6X
        1.1s     2.40nm          4.8mb
MOX    103.25 323 iPdiff58 59.70   0.5
        1.7s    20.00nm          5.6mb
     Z  19s     0.90um           5.3Msz
     N  19s     0.50um
     E  19s     0.60um
                  eSKS   09 55.00
BCAO   105.50 275 iPdiff59 06.10  -4.0X
        1.0s    10.00nm          5.7mb
                  id     02 33.10
                  id     03 33.10
SES    110.50  34 ePKP   03 20.00 -12.2X
BONR   110.69  49 (PKP)  03 39.15   5.8X
LRM    111.76  39 ePKP   03 35.20   0.1
DUG    113.88  45 (PKP)  03 40.76   1.6
MSU    115.00  46 ePKPc  03 42.67   1.1
SRU    115.93  45 ePKP   03 43.47   0.3
GOL    119.22  42 ePKPd  03 51.83   2.3X
     Z  21s     0.30um           4.9Msz
ALQ    120.66  48 ePKP   03 54.44   2.1X
     Z  21s     0.08um           4.3Msz
CCM    129.15  36 ePKP   04 09.44   1.2
     Z  22s     0.50um           5.2Msz
SLM    129.34  35 PKP    04 20.00  11.4X
     Z  21s     1.11um           5.5Msz
FVM    129.68  36 ePKP   04 10.61   1.3
HRV    134.31  16 PKP    04 30.00  12.1X
     Z  22s     0.80um           5.4Msz
TKL    135.07  33 ePKP   04 20.72   1.1
CEH    137.27  28 PKP    04 30.00   6.2X
     Z  22s     0.48um           5.2Msz
PEL    145.22 158 ePKPc  04 38.00   0.0
        1.0s    75.00nm
RTBS   147.01 158 iPKPc  04 43.50   2.6X
RTCB   147.40 159 iPKPd  04 46.00   4.3X
CFA    147.49 160 ePKPd  04 44.00   2.3X
RTLL   147.66 160 e(PKP)04 42.50   0.5
PDCR   159.93 235 ePKP   04 58.90  -0.2
CNCB   160.35 143 PKP    05 04.10   3.9X
                  i      05 45.80
LPB    160.49 142 PKP    05 02.00   1.8
     Z  20s     1.06um
                  LR     02 20.00
ZOBO   160.66 142 iPKPd  05 03.60   3.0X
        1.1s    15.08nm
                  LR     02 30.00
CCH    160.92 148 ePKP   05 05.00   4.6X
     S.D. = 1.0  on 194 of 228 obs.
------------------------------------
    JUN  09, 1992  14h 53m 56.46± 0.44s
    0.998 N ± 8.5km  124.063 E ± 8.9km
   DEPTH =  33.0km  (normal)
   4.8mb (  8 obs.)
  MINAHASSA PENINSULA, SULAWESI   (265)

BIP      7.50  17 ePd    55 45.00  -1.4
KNA     17.28 165 eP     57 56.70  -0.2
WWKK    20.08 103 eP     58 27.00  -3.2X
KGM     20.76 273 ePc    58 38.00   0.8
QIZ     22.70 323 eP     58 55.70  -1.0
IPM     23.28 279 ePc    59 03.10   0.8
        1.0s    41.50nm          4.9mb
LAT     24.12 109 ePd    59 12.00   1.5
PMG     25.21 115 eP     59 20.00  -1.0
QIS     26.28 145 iPd    59 29.80  -1.1
        0.8s    50.00nm          5.2mb
                  e      02 17.00
ASPA    26.32 159 iPc    59 32.50   1.3
        0.8s    18.10nm          4.7mb
                  eS     04 09.70
NNT     26.72 297 eP     59 35.40   0.4
                  e      23 00.00
RAB     28.56 101 e(P)   59 51.00  -0.7
CHTO    30.34 307 e(P)   00 08.80   1.2
        0.9s    10.23nm          4.6mb
STK     36.68 155 eP     01 01.70  -0.5
        0.6s     3.40nm          4.4mb
MAT     37.72  19 eP     01 13.00   2.1

TIY     38.07 345 eP     01 13.50  -0.4
LZH     39.63 334 eP     01 30.00   2.9
        1.2s    70.00nm          5.3mb
ARMA    40.81 142 eP     01 37.00   0.3
        0.9s    16.00nm          4.8mb
GTA     44.18 333 eP     02 05.00   0.8
        1.0s     9.00nm          4.5mb
GUN     45.29 310 P      02 12.40  -1.1
KKN     45.69 309 P      02 15.40  -1.2
DMN     45.74 309 P      02 15.90  -1.1
GKN     46.29 309 P      02 20.00  -1.2
HYB     47.62 293 eP     02 30.50  -1.2
WMQ     53.51 328 eP     03 21.50   5.4X
     S.D. = 1.3  on  23 of  25 obs.
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%  JUN  09, 1992  15h 07m 51.05± 1.83s
  15.817 N ±11.3km   60.838 W ±18.3km
  DEPTH =  33.0km  (normal)
 LEEWARD ISLANDS                 ( 92)
     ML 3.0 (FDF).

MGG      0.47 282 ePd    08 01.49   0.2
                  S      08 06.20
BBL      0.68 245 eP     08 03.97  -0.3
                  S      08 13.40
PAG      0.84 285 eP     08 06.69   0.2
                  S      08 18.40
SEG      0.87 312 eP     08 06.57  -0.3
                  S      08 17.20
CRM      1.06 184 iPc    08 09.36  -0.3
                  S      08 23.50
FDF      1.12 196 iPc    08 10.27  -0.2
                  S      08 25.10
MVM      1.26 183 iPc    08 12.84   0.4
                  S      08 28.70
BIM      1.31 190 ePc    08 13.32   0.1
                  S      08 30.70
     S.D. = 0.3  on   8 of   8 obs.
------------------------------------
    JUN  09, 1992  15h 17m 20.38± 0.39s
    1.120 N ± 7.2km  124.168 E ± 7.3km
   DEPTH =  27.6km  (  2 depth phases)
   5.0mb ( 11 obs.)
  MINAHASSA PENINSULA, SULAWESI   (265)

TSM      7.03 297 eP     19 04.00  -0.2
CGP      7.31   4 eP     19 06.00  -2.0
BIP      7.36  16 ePd    19 10.00   1.3
KKM      9.32 302 eP     19 37.00   0.8
KNA     17.37 165 eP     21 22.40  -0.1
WWKK    20.01 104 eP     21 52.80  -1.2
KGM     20.86 273 ePd    22 03.50   0.7
WB2     23.19 155 iPc    22 26.40   0.3
        0.9s    41.40nm          5.0mb
                  e      25 12.40
LAT     24.06 109 eP     22 36.30   1.8
SNG     24.24 285 eP     22 38.00   1.8
                  e      33 33.00
QIS     26.32 146 iPc    22 55.30  -0.6
        1.0s    63.00nm          5.2mb
ASPA    26.39 160 iPd    22 55.90  -0.7
        0.8s    21.90nm          4.8mb
NST     27.77 303 eP     23 10.00   0.8
RAB     28.47 101 eP     23 17.00   1.4
CHG     30.35 307 eP     23 34.30   2.0
        1.0s    16.00nm          4.8mb
CHTO    30.35 307 ePc    23 32.70   0.4
        1.0s    18.00nm          4.8mb
                  pP     23 39.90  25km
STK     36.74 155 eP     24 26.90  -0.4
        0.7s     4.40nm          4.4mb
LZH     39.57 334 eP     24 52.00   0.8
        1.4s    55.00nm          5.1mb
                  pP     25 01.00  30km
                  sP     25 05.00
                  i      25 11.50
ARMA    40.84 142 eP     25 02.00   0.4
        0.6s     8.00nm          4.6mb
GUN     45.29 310 P      25 37.20  -1.0
PKI     45.49 309 P      25 38.40  -1.4
KKN     45.70 309 P      25 40.20  -1.1
DMN     45.74 309 P      25 40.80  -0.9
        1.0s    79.00nm          5.6mb
GKN     46.30 309 P      25 44.70  -1.2
        1.0s    72.00nm          5.6mb
HYB     47.67 293 eP     25 56.00  -0.8
CSY     67.97 186 eP     28 17.90  -0.8
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	0.1s		2.90nm		5.4mb

S.D. = 1.2 on 26 of 26 obs.

? JUN 09, 1992 15h 21m 25.35± 1.90s
34.082 S ±18.6km 70.229 W ±20.4km
DEPTH = 115.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.7 (SAN).

CHCH	0.38	293	iPd	21 42.50	0.1
			iS	21 55.70	
PCH	0.52	333	iPd	21 43.30	0.1
			iS	21 56.80	
TACH	0.73	306	iPd	21 44.80	0.1
			iS	21 59.40	
FCH	0.75	356	iPd	21 45.00	-0.3
			iS	22 01.00	
LNV	0.99	277	iPd	21 47.00	-0.1
			(S)	22 05.40	
PEL	1.01	338	iPc	21 47.50	0.1
			iS	22 04.10	
LCCH	1.27	298	iPc	21 50.10	0.0
			iS	22 08.50	
ROCH	1.29	329	iPd	21 50.50	-0.1
			iS	22 09.60	
JACH	1.43	348	iP	21 52.30	0.2
			iS	22 12.50	

S.D. = 0.2 on 9 of 9 obs.

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* JUN 09, 1992 15h 28m 16.58± 0.65s
0.889 N ± 9.9km 123.875 E ±13.7km
DEPTH = 23.8km (3 depth phases)
4.6mb (7 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

CGP	7.56	6	eP	30 11.00	2.9
BIP	7.66	18	ePd	30 09.00	-0.5
IPM	23.11	280	ePc	33 24.50	2.5
WB2	23.11	154	eP	33 21.70	-0.3
	1.0s		22.80nm		4.7mb
ASPA	26.28	159	iPd	33 53.60	1.4
	0.9s		14.10nm		4.6mb
OIS	26.30	145	iPc	33 51.00	-1.3
	0.7s		13.00nm		4.7mb
			e	36 10.00	
NST	27.65	303	eP	34 04.00	-0.7
CHG	30.25	308	eP	34 30.50	2.3
CHTO	30.25	308	eP	34 28.70	0.5
	1.0s		8.25nm		4.5mb
			pP	34 36.80	28km
CD2	35.43	329	P	35 12.00	-1.1
XAN	35.83	339	eP	35 13.50	-2.9
STK	36.66	154	eP	35 23.90	0.5
	0.7s		2.60nm		4.2mb
TIY	38.13	345	eP	35 37.40	1.6
LZH	39.65	334	eP	35 48.50	-0.1
	1.2s		30.00nm		4.9mb
			pP	35 55.00	22km
LSA	42.31	316	P	36 11.50	0.6
GTA	44.19	333	eP	36 24.50	-1.1
	1.0s		5.00nm		4.3mb
			pP	36 31.00	22km
GUN	45.21	310	P	36 32.50	-1.8
PKI	45.41	309	P	36 35.00	-0.8
KKN	45.61	309	P	36 36.70	-0.6
DMN	45.66	309	P	36 37.00	-0.8
GKN	46.21	309	P	36 41.00	-1.0
HYB	47.48	293	eP	36 52.50	0.5

S.D. = 1.5 on 22 of 22 obs.

JUN 09, 1992 16h 01m 55.67± 0.92s
60.741 N ± 7.0km 5.317 E ± 9.4km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
ML 1.6 (NAO). MD 1.5 (BER).

ASK	0.27	193	eP	02 00.70	-0.6
			eS	02 04.90	
SUE	0.42	320	eP	02 05.00	0.8
			eS	02 12.50	
HYA	0.60	44	eP	02 06.53	-1.3
			eS	02 14.00	
FOO	0.87	351	eP	02 12.02	-0.3
			eS	02 25.35	
FRO	1.04	349	eP	02 15.12	-0.2
			eS	02 30.91	
NRA0	3.06	87	Pg	02 46.39	1.5
			Sg	03 24.30	

S.D. = 1.3 on 6 of 6 obs.

% JUN 09, 1992 17h 34m 22.30± 3.08s
16.625 N ±18.7km 61.174 W ±17.0km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
ML 3.0 (FDF).

DEG	0.33	160	iPc	34 29.49	0.4
			S	34 35.60	
MGG	0.72	191	eP	34 36.22	-0.2
			S	34 46.20	
DOG	0.73	216	eP	34 37.14	0.5
PAG	0.77	219	eP	34 37.60	0.3
			S	34 51.20	
MGH	1.00	276	eP	34 41.21	-0.1
			S	34 55.10	
BBL	1.13	195	eP	34 42.67	-0.9
			S	34 58.30	

S.D. = 0.7 on 6 of 6 obs.

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* JUN 09, 1992 19h 30m 09.56± 1.16s
51.344 N ±12.3km 151.239 E ±14.9km
DEPTH = 389.3 ± 15.2 km
4.1mb (10 obs.)
SEA OF OKHOTSK (663)

ASAJ	9.26	222	eP	32 25.00	5.3X
KUSJ	9.36	211	P	32 20.00	-0.9
			eS	34 01.70	
HOOJ	10.48	214	P	32 33.50	-0.5
			eS	34 27.10	
OFUJ	13.98	212	eP	33 15.60	2.0
			eS	35 43.10	
TTA	29.97	47	iP	35 45.13	0.0
	0.4s		5.82nm		4.3mb
BRW	30.49	30	eP	35 49.52	0.1
IMA	30.96	41	iPc	35 53.71	0.0
	0.4s		9.66nm		4.5mb
PMS	33.17	49	eP	36 12.70	0.2
FBA	33.46	43	eP	36 15.39	0.5
	0.3s		19.94nm		4.9mb
TOA	34.60	47	eP	36 26.00	1.4
YKA	48.03	39	eP	38 11.60	-0.7
	0.4s		2.20nm		3.8mb
CHTO	52.19	252	e(P)	38 44.90	1.0
NB2	63.48	340	P	40 00.50	-0.5
	0.4s		0.50nm		3.5mb
HFS	63.73	338	eP	40 02.00	-0.4
	0.3s		1.30nm		4.0mb
RSSD	64.82	50	eP	40 09.10	-0.8
	0.8s		2.80nm		4.0mb
WB2	72.51	197	eP	40 55.50	-0.9
	0.6s		4.80nm		4.3mb
WRA	72.51	197	P	40 56.00	-0.4
	0.6s		1.80nm		3.9mb
ASPA	76.23	196	eP	41 17.30	0.0
	1.7s		7.10nm		4.1mb

S.D. = 0.9 on 17 of 18 obs.

JUN 09, 1992 20h 06m 47.88± 0.76s
36.611 N ± 7.2km 27.998 E ± 7.2km
DEPTH = 98.3 ± 30.7 km
DODECANESE ISLANDS (369)
MD 4.0 (ATH). Felt at Mugla, Turkey.

ELL	1.54	84	iPn	07 16.50	1.4
IZM	1.88	342	iPn	07 18.20	-1.1
KHL	2.10	35	iPn	07 20.50	-1.8
NPS	2.36	236	ePn	07 25.70	0.0
PRK	2.96	333	ePn	07 34.00	0.2
KCT	3.64	4	iPn	07 42.80	-0.4
EDC	3.73	358	ePn	07 44.50	0.1
BNT	3.74	359	iPn	07 44.30	-0.2
PPCY	3.93	115	eP	07 47.60	0.5
			eS	08 33.70	
VLI	4.07	273	ePn	07 50.00	0.9
NAL	4.43	35	eP	07 58.00	3.9X
CSS	4.64	109	eP	07 57.00	0.1
			eS	08 49.70	
DVR	5.52	33	eP	08 11.00	1.9
ATZ	7.08	120	eP	08 28.50	-2.1X
			eS	09 46.50	
DSI	7.92	127	eP	08 40.00	-2.1X
SAGI	8.46	137	eP	08 47.80	-1.7
			eS	10 19.80	
GEC2	16.08	324	P	10 36.80	7.3X
	0.6s		0.28nm		2.7mb X
MAIO	25.28	81	eP	12 14.00	7.4X

S.D. = 1.2 on 13 of 18 obs.

& JUN 09, 1992 20h 09m 14.52s
37.177 N 121.675 W
DEPTH = 6.0km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 3.2 (GM). ML 3.4 (BRK). Felt at Morgon Hill.

ARN	0.21	33	iPd	09 18.90	0.1
PKEM	1.68	131	eP	09 45.67	1.1
PHAM	1.69	142	eP	09 43.18	-1.5
ORV	2.38	3	eP	09 52.49	-2.2
BONR	2.79	73	eP	09 59.93	-0.9
ISA	2.99	119	eP	10 01.82	-1.6
			eS	10 38.01	
ABL	3.06	139	eP	10 02.51	-2.0
KVN	3.38	55	eP	10 07.40	-1.8
TNP	3.65	74	eP	10 18.20	5.2

9 obs. associated

& JUN 09, 1992 20h 11m 36.94s
61.484 N 148.025 W
DEPTH = 9.3km
SOUTHERN ALASKA (2)
<AEIC>. ML 3.5 (AEIC), 3.8 (PMR). Felt (IV) at Palmer, (III) at Butte and (II) at Anchorage.

KNK	0.22	251	iPd	11 42.09	0.4
			iS	11 45.25	
SML	0.36	336	iPc	11 44.46	0.2
SCM	0.48	43	iPd	11 46.28	-0.5
GHO	0.52	304	iPd	11 47.36	-0.1
PLRM	0.54	282	iPd	11 47.46	-0.4
			eS	11 54.92	
PMR	0.54	282	iPd	11 47.15	-0.7
PMS	0.78	253	P	11 51.50	-0.7
PTE	0.79	218	iPd	11 51.36	-0.9
VLZ	0.89	113	iPc	11 52.47	-1.6
			eS	12 04.84	
PWA	0.90	282	P	11 53.50	-0.8
KLU	1.01	89	iPd	11 54.45	-1.7
			eS	12 08.10	
TOA	1.08	54	P	11 56.70	-0.6
SUA	1.30	270	iPd	11 59.88	-1.4
HIN	1.32	145	iPc	12 01.10	-0.3
			eS	12 19.72	
TZL	1.36	64	ePd	12 01.09	-0.9
CUT	1.41	312	iPd	12 01.58	-1.1
SLKM	1.45	228	eP	12 02.25	-1.1
CVA	1.45	129	ePc	12 02.92	-0.4
			eS	12 23.57	
SEW	1.55	207	eP	12 04.28	-0.4
SDG	1.57	47	ePd	12 04.01	-1.0
			eS	12 24.51	
HUR	1.68	334	eP	12 06.72	0.1
SKT	1.74	288	ePd	12 06.52	-1.0
PAX	1.91	38	ePd	12 09.10	-1.0
			eS	12 33.25	
CGLM	1.92	266	eP	12 10.84	0.6
SPU	1.97	263	eP	12 10.21	-0.6
RND	1.97	349	eP	12 11.70	0.9
NCG	1.99	269	eP	12 11.36	0.2
CRP	2.00	266	ePn	12 11.20	-0.2
CKN	2.02	264	eP	12 12.59	1.0
GLB	2.02	89	ePc	12 10.39	-1.2
			eS	12 35.54	
CPKM	2.04	266	eP	12 13.04	1.1
BKG	2.09	260	eP	12 12.24	-0.3
CKL	2.10	264	eP	12 12.84	0.1
BGL	2.11	266	eP	12 13.50	0.5
NNL	2.16	229	ePc	12 14.40	0.8
THY	2.21	28	eP	12 14.86	0.6
MID	2.23	157	P	12 14.60	0.1
BRLK	2.23	221	eP	12 14.26	-0.3
TRF	2.24	333	eP	12 15.09	0.3
MCK	2.30	350	eP	12 16.21	0.7
RDT	2.32	249	iPd	12 15.93	0.0
KAIM	2.36	130	eP	12 15.05	-1.4
DFR	2.44	251	ePd	12 17.45	-0.1
KTH	2.47	328	eP	12 18.48	0.4

09d 20h

REF 2.49 248 iPd 12 18.40 0.0
DDM 2.52 22 eP 12 21.37 2.7
RSO 2.52 248 ePd 12 18.87 0.0
RS2 2.52 248 eP 12 18.92 0.0
CNPM 2.53 220 eP 12 18.48 -0.3
RS1 2.53 248 eP 12 19.12 0.2
RED 2.55 247 ePd 12 19.06 -0.1
HOM 2.56 226 eP 12 19.80 0.6
TGL 2.63 104 eP 12 20.00 -0.3
BWN 2.78 347 eP 12 23.10 0.7
BALM 2.78 97 ePc 12 21.94 -0.6
DOT 2.84 38 eP 12 25.09 1.8
INE 2.85 242 eP 12 23.37 -0.2
INW 2.88 243 eP 12 23.78 -0.1
HDA 2.97 9 eP 12 26.03 0.9
WRH 3.00 359 eP 12 25.99 0.5
NEA 3.14 352 ePc 12 27.70 0.2
CCB 3.18 2 eP 12 28.15 0.2
YAH 3.27 107 eP 12 28.68 -0.8
WRG 3.28 114 P 12 31.70 2.2
AUE 3.40 234 eP 12 30.91 -0.3
AUL 3.41 234 eP 12 31.85 0.5
AUP 3.42 234 eP 12 31.33 -0.2
AUH 3.43 234 eP 12 31.94 0.3
FBA 3.43 2 eP 12 31.33 -0.3
AUI 3.44 234 eP 12 31.77 0.1
PDB 3.48 243 eP 12 31.82 -0.5
GLM 3.53 4 eP 12 33.02 0.0
SYI 3.62 219 eP 12 34.76 0.5
SVW 3.68 267 eP 12 33.45 -1.8
MLY 3.77 342 eP 12 36.34 -0.1
CDD 3.80 230 eP 12 36.32 -0.5
TTA 4.01 295 eP 12 38.50 -1.4
PRP 4.20 14 eP 12 40.29 -2.4
KDC 4.38 213 eP 12 42.92 -2.1
IMA 5.24 334 ePn 12 55.49 -1.9
0.3s 2.79nm 4.4mb
FYU 5.25 12 P 12 57.70 0.4
YKA 15.63 72 eP 15 11.10 -7.6
0.6s 0.50nm 2.9mb X
82 obs. associated

& JUN 09, 1992 21h 21m 48.74s
58.999 N 137.528 W
DEPTH = 0.0km
SOUTHEASTERN ALASKA (19)
<AEIC>. ML 3.6 (AEIC), 4.0
(PGC).

PLBC 0.75 52 P 22 05.20 1.4
PNL 1.17 306 iP 22 10.11 -1.4
eS 22 26.07
YKU 1.26 297 P 22 12.80 -0.2
S 22 31.40
BCPM 1.44 313 eP 22 14.38 -1.7
S 22 35.12
PCA 1.77 310 eP 22 19.17 -1.8
eS 22 43.95
HYT 1.83 0 P 22 22.30 0.4
SIT 2.27 148 P 22 26.50 -1.6
S 22 56.50
WRG 2.52 296 eP 22 29.35 -2.3
YAH 2.54 304 eP 22 30.02 -2.1
BALM 3.17 312 eP 22 39.71 -1.2
TGL 3.20 306 eP 22 40.38 -1.0
TCBC 3.45 106 P 22 43.40 -1.6
S 23 36.10
KAIM 3.64 288 eP 22 45.52 -1.9
DLB 3.94 95 P 22 50.70 -1.2
GLB 3.98 311 eP 22 50.16 -2.2
BOB 4.35 114 P 22 56.20 -1.6
CVA 4.44 294 eP 22 55.15 -3.7
HIN 4.76 291 eP 22 58.98 -4.5
KLU 4.87 304 eP 23 03.91 -1.2
TOA 5.28 310 P 23 09.80 -1.1
SCM 5.63 305 eP 23 13.62 -2.2
MUB 6.09 85 P 23 20.20 -2.1
YKA 11.72 63 eP 24 41.80 1.7
0.6s 1.10nm 4.4mb X
MBC 18.48 14 eP 26 07.00 -0.4
24 obs. associated

& JUN 09, 1992 22h 04m 30.94s
61.325 N 150.084 W
DEPTH = 35.9km
SOUTHERN ALASKA (2)
<AEIC>. ML 3.0 (AEIC), 3.3
(PMR). Felt (II) at Ancharage.

PMS 0.27 107 P 04 38.70 0.1
PWA 0.34 17 P 04 39.00 -0.4
S 04 45.50
SUA 0.35 294 iPd 04 39.45 -0.2
eS 04 46.51
PLRM 0.53 59 iPc 04 41.07 -0.9
eS 04 49.83
PMR 0.53 59 iPc 04 41.50 -0.4
PTE 0.69 131 eP 04 43.57 -0.7
GHO 0.71 51 iPc 04 43.70 -1.0
eS 04 54.47
KNK 0.79 83 iPc 04 44.95 -0.7
SLKM 0.82 185 iPd 04 45.08 -1.1
CGLM 0.93 270 P 04 45.00 -2.7
SKT 0.95 314 iPc 04 47.04 -1.0
eS 05 00.08
SPU 0.96 262 iPc 04 47.05 -1.1
eS 05 00.42
SML 0.97 59 iPc 04 47.22 -1.0
eS 05 01.01
CKN 1.02 265 iPc 04 48.35 -0.6
CPKM 1.04 268 ePc 04 48.74 -0.7
eS 05 02.92
BKG 1.09 257 iPc 04 48.88 -1.1
eS 05 03.98
CUT 1.09 355 eP 04 49.15 -0.7
CKL 1.10 264 iPc 04 49.22 -0.9
BGL 1.12 268 iPc 04 49.51 -0.9
SEW 1.26 165 eP 04 51.72 -0.7
eS 05 10.19
RDT 1.36 237 iPc 04 52.80 -1.1
eS 05 11.08
SCM 1.41 68 ePc 04 53.83 -0.9
eS 05 12.81
NNL 1.42 205 eP 04 54.83 0.1
DFR 1.47 241 iPc 04 54.32 -1.2
eS 05 12.65
REF 1.53 238 iPc 04 55.43 -1.1
eS 05 15.56
RSO 1.57 238 iPc 04 55.96 -1.1
RS2 1.57 238 iPc 04 55.99 -1.1
RS1 1.57 238 iPc 04 56.02 -1.1
RED 1.60 237 iPc 04 56.29 -1.1
eS 05 16.71
BRLK 1.62 195 P 04 58.70 1.1
HUR 1.67 7 eP 04 59.03 0.6
VLZ 1.83 94 ePc 04 59.09 -1.4
CNPM 1.89 198 eP 05 00.50 -1.0
INE 1.94 230 ePc 05 01.20 -1.1
INW 1.96 231 ePc 05 01.52 -1.0
IVS 1.98 229 P 05 01.50 -1.5
HIN 1.99 116 eP 05 00.68 -2.2
KLU 2.01 83 ePc 05 01.60 -1.6
TOA 2.02 66 P 05 02.90 -0.5
TRF 2.14 358 eP 05 04.83 -0.3
RND 2.17 15 eP 05 04.50 -0.9
CVA 2.26 108 eP 05 06.16 -0.4
KTH 2.27 350 eP 05 06.97 0.1
TZL 2.34 70 eP 05 07.04 -0.7
SDG 2.46 59 eP 05 09.37 -0.2
MCK 2.47 12 P 05 08.60 -1.2
PDB 2.55 235 ePc 05 09.09 -1.7
AUL 2.56 222 eP 05 11.19 0.2
AUP 2.57 222 eP 05 10.91 -0.3
AUI 2.60 221 eP 05 12.77 1.3
SVW 2.69 268 P 05 11.50 -1.3
PAX 2.72 51 eP 05 12.80 -0.6
SYI 2.96 204 eP 05 15.80 -0.8
CDD 2.99 218 eP 05 16.73 -0.4
GLB 3.02 85 eP 05 15.18 -2.4
KAIM 3.13 114 eP 05 17.91 -1.1
TTA 3.22 303 P 05 19.10 -1.3
WRH 3.29 15 P 05 19.30 -2.0
TGL 3.57 96 eP 05 25.34 -0.1
BALM 3.76 91 eP 05 26.12 -2.0
KDC 3.79 200 e(P) 05 31.20 2.8
61 obs. associated

& JUN 09, 1992 22h 11m 52.01s
34.170 N 116.314 W
DEPTH = 0.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.0 (PAS).

PEC 0.76 249 eP 12 06.42 -0.7
iS 12 16.65
PLM 0.93 209 iPd 12 09.67 -0.9
eS 12 22.56
SSK 1.14 272 eP 12 13.38 -1.0
eS 12 28.61
GLA 1.67 132 ePn 12 20.31 -2.3
ePg 12 23.10
ISA 2.32 311 ePn 12 29.63 -2.4
ePg 12 34.69
ABL 2.49 287 eP 12 32.00 -2.7
BONR 4.11 337 (Pn) 12 57.86 0.2
ePg 13 08.88
ARUT 4.30 32 (P) 13 02.75 2.5
MSU 5.47 36 (P) 13 20.11 3.1
9 obs. associated

JUN 09, 1992 22h 17m 07.54± 0.41s
10.240 S ± 7.8km 124.215 E ±10.0km
DEPTH = 19.6km (2 depth phases)
4.8mb (11 obs.)
TIMOR REGION, INDONESIA (289)

KNA 7.05 141 eP 18 53.40 1.1
eS 20 08.70
MTN 7.25 112 iPc 18 56.60 1.4
0.7s 381.00nm 6.6mb X
eS 20 18.00
WB2 13.74 136 eP 20 21.50 -2.2
0.8s 12.70nm 4.8mb X
eS 22 45.60
NANU 14.81 213 eP 20 40.00 2.3
eS 23 14.00
WARB 16.02 172 eP 20 53.00 -0.5
0.7s 31.00nm 4.5mb
ASPA 16.24 147 iPd 20 56.10 -0.2
0.5s 24.70nm 4.6mb
i 21 05.30
eS 23 47.50
QIS 18.02 126 eP 21 18.00 -0.7
0.5s 12.00nm 4.3mb
eS 24 28.00
KKM 18.03 333 ePc 21 23.60 4.7X
PPR 20.62 344 iPc 21 50.50 2.0
BDT 36.97 317 eP 24 18.00 0.4
CHTO 38.14 319 iPc 24 28.20 0.7
1.2s 13.54nm 4.6mb
e 24 34.00 20km
GYA 40.27 335 P 24 46.00 0.8
KMI 40.91 330 Pc 24 52.50 1.9
1.5s 60.00nm 5.1mb
CD2 45.38 335 P 25 26.70 0.0
XAN 46.37 342 Pc 25 33.90 -0.6
1.2s 10.00nm 4.7mb
MAT 48.36 15 eP 25 50.00 0.0
BJI 50.58 352 eP 26 05.50 -1.4
LSA 50.90 322 iPc 26 11.00 0.8
0.8s 14.00nm 5.0mb
HYB 52.83 301 eP 26 23.00 -1.4
GUN 53.06 317 P 26 25.00 -1.3
PKI 53.16 316 P 26 25.40 -1.7
0.6s 17.00nm 5.2mb
KKN 53.39 316 P 26 27.40 -1.2
DMN 53.39 316 P 26 27.40 -1.3
CN2 53.79 1 eP 26 31.80 0.9
GKN 53.96 316 P 26 31.00 -1.7
GTA 54.36 337 P 26 35.50 0.1
1.0s 5.00nm 4.5mb
pP 26 41.50 20km
MDJ 54.81 5 eP 26 39.00 0.5
1.1s 30.00nm 5.2mb
WMQ 63.21 331 P 27 37.50 0.6
1.2s 12.00nm 4.9mb
sP 27 49.60
QUE 68.13 308 eP 28 09.40 0.5
CNCB 150.54 156 PKP 37 06.20 10.6X
LPB 150.74 155 ePKP 37 04.00 8.3X
ZOBO 150.95 155 PKP 37 05.70 9.4X
S.D. = 1.3 on 28 of 32 obs.

JUN 09, 1992 22h 54m 14.04± 0.71s
51.511 N ± 6.3km 16.161 E ± 5.2km
DEPTH = 5.0km (geophysicist)
3.5mb (1 obs.)
POLAND (548)
ML 3.5 (VIE), 3.4 (GRF).

KSP 0.67 173 iPd 54 27.60 0.1

0.5s 94.00nm
iS 54 35.10
BRG 1.53 246 iPn 54 42.40 0.3
iPg 54 43.80
iSg 55 02.20
PRU 1.84 215 Pn 54 46.60 0.1
0.4s 33.00nm
Pg 54 48.50
e 54 51.20
Sn 55 05.80
Sg 55 12.60
RAC 1.93 137 iP 54 51.90 4.2X
iS 55 17.40
CLL 1.99 265 iPn 54 48.40 -0.3
iPg 54 51.90
eSg 55 20.00
OJC 2.64 118 eP 54 58.20 0.1
eS 55 40.90
KHC 2.90 216 Pn 55 01.40 -0.4
e 55 07.50
eSn 55 32.00
eSg 55 48.30
HOF 2.96 248 ePn 55 02.90 0.3
MOX 2.99 255 ePn 55 02.80 -0.2
iPg 55 11.70
iSg 55 50.50
WET 3.17 223 iPnd 55 05.80 0.3
VKA 3.25 178 iPgc 55 15.50 8.8X
iSg 55 59.40
ZST 3.37 169 e(Pn) 55 20.40 12.0X
i 55 35.70
e 56 05.50
GRF 3.64 242 iPnc 55 12.60 0.4
ePg 55 26.20
eSg 56 09.40
BHG 4.35 211 eP 55 38.60 16.3X
FUR 4.60 225 eP 55 25.50 -0.4
KBA 4.80 204 iPnd 55 28.20 -0.7
i 55 36.60
i 55 43.50
iSg 56 40.90
WTTA 5.18 217 iPnd 55 34.60 0.4
i 56 51.70
YKA 59.87 336 eP 04 22.40 -0.1
0.5s 0.20nm 3.5mb
S.D. = 0.4 on 14 of 18 abs.

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* JUN 09, 1992 23h 00m 19.75± 1.10s
35.337 N ±12.7km 139.832 E ±11.2km
DEPTH = 122.8 ± 7.9 km
3.8mb (2 abs.)
NEAR S. COAST OF HONSHU, JAPAN (230)

KAKJ 0.91 18 iPd 00 40.70 -0.7
CHJJ 0.98 316 iP+ 00 41.20 -0.9
S 00 57.00
IIDJ 1.58 276 iP+ 00 48.30 -0.4
S 01 09.50
MAT 1.78 313 iPd 00 51.40 0.3
iS 01 13.30
NIIJ 2.01 341 iPd 00 54.80 0.9
S 01 21.80
MTMJ 2.06 308 iPd 00 55.30 0.6
S 01 21.30
YAMJ 2.84 3 P 01 06.30 1.7
TSRJ 3.15 275 iP+ 01 08.50 -0.3
WKYJ 3.66 253 P 01 14.90 -0.8
eS 01 56.70
OFUJ 4.01 21 P 01 20.10 -0.3
S 02 05.70
TKSJ 4.95 256 P 01 33.00 -0.2
YONJ 5.21 270 P 01 37.70 1.0
SHNJ 7.28 263 P 02 05.70 0.8
KUMJ 7.99 252 P 02 15.20 0.7
KAGJ 8.56 244 P 02 22.50 0.4
KUSJ 8.62 25 eP 02 20.90 -2.1
eS 03 54.00
GUN 46.06 276 P 08 33.50 0.2
PKI 46.58 276 P 08 36.20 -1.2
KKN 46.60 277 P 08 37.60 0.2
DMN 46.81 276 P 08 36.80 -2.4
GKN 47.03 277 P 08 40.20 -0.6
WRA 55.22 186 P 09 42.70 0.6
0.8s 1.30nm 3.9mb
YKA 65.91 29 eP 10 56.50 2.5
0.7s 0.60nm 3.6mb
S.D. = 1.2 on 23 of 23 abs.

JUN 10, 1992 00h 41m 39.21± 0.27s
1.101 N ± 4.5km 124.162 E ± 5.7km
DEPTH = 23.9km (2 depth phases)
5.0mb (17 abs.) 4.2Msz (1 abs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 4.76 245 ePd 42 56.00 4.7X
0.9s 4.40nm
e 49 25.00
CGP 7.32 4 eP 43 28.00 0.6
BIP 7.38 16 ePc 43 28.00 -0.1
KKM 9.33 302 eP 44 10.00 14.6X
PLP 10.03 5 eP 44 05.00 0.0
KNA 17.35 165 eP 45 41.60 0.1
WWKK 20.01 104 eP 46 12.40 -0.9
WB2 23.18 155 iPc 46 45.30 0.1
0.9s 52.90nm 5.1mb
SNG 24.24 285 eP 46 57.00 1.5
QIS 26.31 146 iPc 47 14.50 -0.6
1.0s 69.00nm 5.2mb
ASPA 26.38 160 iPd 47 15.70 0.0
0.9s 22.10nm 4.8mb
NST 27.78 303 eP 47 29.00 0.5
KHT 28.69 300 eP 47 37.60 0.8
CHG 30.35 307 ePd 47 52.00 0.3
1.1s 17.41nm 4.8mb
CHTO 30.35 307 iP 47 52.00 0.3
1.2s 16.67nm 4.7mb
KMI 31.59 321 eP 48 03.50 0.7
1.8s 60.00nm 5.2mb
pP 48 09.00 19km
sP 48 14.00
STK 36.73 155 eP 48 46.60 0.0
0.6s 6.70nm 4.7mb
MAT 37.59 19 iPd 48 52.30 -1.5
1.5s 41.67nm 5.0mb
BJI 39.43 350 eP 49 04.00 -5.1X
LZH 39.59 334 eP 49 11.50 0.8
1.4s 97.00nm 5.3mb
Z 20s 0.35um 4.2Msz
pP 49 20.00 29km
sP 49 25.00
ARMA 40.83 142 iPc 49 22.00 1.1
0.6s 14.00nm 4.9mb
i 49 27.00
OFUJ 41.05 21 P 49 23.00 0.6
GUN 45.30 310 P 49 56.80 -0.8
1.2s 80.00nm 5.5mb
PKI 45.50 309 P 49 58.80 -0.4
1.2s 48.00nm 5.3mb
KUSJ 45.67 21 eP 50 00.00 0.1
KKN 45.70 309 P 49 59.60 -1.1
DMN 45.75 309 P 50 00.40 -0.7
1.2s 80.00nm 5.5mb
ASAJ 45.87 19 eP 50 01.50 0.0
GKN 46.30 309 P 50 04.20 -1.1
1.1s 66.00nm 5.5mb
HYB 47.67 293 eP 50 15.50 -0.6
QUE 61.42 304 eP 51 55.20 -1.3
MAIO 69.09 309 eP 52 45.00 -0.8
SVW 84.31 29 eP 54 11.39 1.1
1.0s 5.00nm 4.7mb
TTA 84.39 27 eP 54 11.24 0.5
1.2s 10.95nm 5.0mb
YKA 102.93 24 ePdiff55 41.60 5.0X
0.8s 0.40nm 4.2mb
PEL 145.21 158 ePKP 01 16.50 -0.7
ZOBO 160.65 142 PKP 01 41.00 1.2
S.D. = 0.8 on 33 of 37 abs.

JUN 10, 1992 00h 59m 48.63± 0.23s
1.093 N ± 4.1km 124.172 E ± 4.8km
DEPTH = 18.4km (11 depth phases)
5.1mb (28 abs.) 4.5Msz (1 abs.)
MINAHASSA PENINSULA, SULAWESI (265)

TSM 7.05 297 eP 01 34.50 1.0
e 07 29.00
CGP 7.33 4 eP 01 38.00 0.6
BIP 7.38 16 ePc 01 38.00 -0.1
KKM 9.34 302 eP 02 09.00 3.5X
PLP 10.04 5 ePd 02 15.00 0.0
PGP 12.73 346 eP 03 03.80 12.2X
TGY 13.32 346 eP 03 12.00 12.6X
KNA 17.34 165 eP 03 51.90 0.5
PIP 17.48 349 eP 03 59.80 6.7X
WWKK 20.00 104 eP 04 22.40 -0.9
MNDI 20.74 111 eP 04 36.00 4.7X
KGM 20.87 273 ePc 04 33.30 1.1
MBL 22.52 191 eP 04 48.00 -0.8
QIZ 22.70 323 P 04 50.80 0.2
eS 08 51.00
WB2 23.17 155 iPc 04 55.80 0.6
1.3s 71.70nm 5.0mb
e 05 01.90 22km
IPM 23.37 279 ePd 04 59.40 2.1
1.3s 106.80nm 5.2mb
GUMO 23.95 58 eP 05 09.20 6.4X
GUA 23.97 58 eP 05 08.30 5.3X
LAT 24.05 109 eP 05 07.00 3.2X
SNG 24.25 285 eP 05 06.60 0.9
e 36 49.00
QZH 24.32 348 eP 05 05.50 -0.8
1.5s 350.00nm 5.7mb
NANU 24.98 199 eP 05 11.00 -1.7
PMG 25.15 115 eP 05 14.00 -0.5
QIS 26.29 146 iPd 05 25.50 0.4
0.6s 69.00nm 5.5mb
ASPA 26.37 160 iPd 05 26.00 0.3
1.3s 32.10nm 4.8mb
eS 10 08.40
NNT 26.78 296 eP 05 29.50 -0.1
NST 27.79 303 eP 05 39.00 0.2
RAB 28.47 101 e(P) 05 48.00 3.1X
KHT 28.70 300 eP 05 47.30 0.3
BDT 29.51 304 eP 05 55.60 1.4
1.0s 41.40nm 5.2mb
GYA 30.33 328 P 06 02.00 0.4
pP 06 07.00 17km
S 11 04.00
CHG 30.37 307 ePc 06 03.50 1.5
1.0s 28.75nm 5.1mb
CHTO 30.37 307 iPc 06 03.60 1.7
1.0s 28.00nm 5.1mb
pP 06 08.70 18km
WHN 30.74 343 eP 06 05.20 0.2
1.2s 32.00nm 5.0mb
KMI 31.61 321 Pc 06 13.20 0.2
1.5s 90.00nm 5.4mb
pP 06 19.50 22km
CD2 35.41 329 P 06 45.50 -0.1
1.2s 160.00nm 5.8mb
XAN 35.75 338 P 06 47.10 -1.4
1.0s 21.00nm 5.0mb
STK 36.72 155 iPc 06 56.80 0.2
1.1s 5.90nm 4.3mb
MAT 37.59 19 iPd 07 02.60 -1.3
1.4s 34.88nm 5.0mb
TIY 38.01 345 eP 07 08.20 0.7
CMS 38.37 149 eP 07 11.00 0.5
0.4s 6.00nm 4.7mb
BJI 39.44 350 eP 07 23.00 3.7X
1.8s 100.00nm 5.2mb
Z 20s 0.66um 4.5Msz
LZH 39.60 334 eP 07 22.00 1.1
1.4s 250.00nm 5.7mb
Z 15s 0.48um 4.5MszX
pP 07 30.00 27km
sP 07 35.00
ARMA 40.81 142 iPc 07 32.10 1.2
0.5s 20.00nm 5.1mb
i 07 37.50 18km
OFUJ 41.05 21 P 07 33.00 0.4
HHC 41.19 345 P 07 34.60 0.7
BTO 41.37 344 eP 07 35.00 -0.3
LSA 42.38 315 eP 07 45.00 0.8
GTA 44.14 333 P 07 58.50 0.5
1.0s 19.00nm 4.9mb
pP 08 03.00 15km
GUN 45.31 310 P 08 07.00 -0.9
PKI 45.51 309 P 08 08.00 -1.5
KUSJ 45.68 21 eP 08 10.40 0.3
KKN 45.72 309 P 08 10.00 -0.9
DMN 45.76 309 P 08 10.60 -0.8
ASAJ 45.88 19 eP 08 11.90 0.2
GKN 46.32 309 P 08 14.80 -0.8
DZM 47.22 122 iPd 08 23.10 0.4
BKM 47.22 115 iPc 08 29.30 6.6X
HYB 47.68 293 ePd 08 26.00 -0.4
1.2s 121.20nm 5.8mb
NDI 52.51 306 eP 09 01.20 -1.9
WMQ 53.49 328 P 09 10.00 -0.2
2.0s 18.00nm 4.7mb

10d 01h

Z 24s 0.34um 4.3MszX
pP 09 15.00 16km
sP 09 22.50
PcP 10 20.00
QUE 61.44 304 eP 10 05.50 -1.3
MAIO 69.11 309 eP 10 55.00 -1.1
SVW 84.31 29 eP 12 21.56 1.0
1.2s 39.93nm 5.5mb
TTA 84.39 27 eP 12 21.60 0.6
1.3s 38.08nm 5.5mb
BRW 85.47 19 eP 12 25.62 -0.5
KDC 85.51 32 eP 12 27.46 0.9
1.3s 45.72nm 5.5mb
IMA 85.81 24 eP 12 27.93 -0.2
0.8s 5.45nm 4.8mb
OBN 87.72 325 ePd 12 36.00 -1.4
i 12 41.00 16km
e 13 11.00
e 16 14.00
BALM 90.75 29 eP 12 50.44 -1.3
KAF 92.73 332 iP 12 58.60 -2.1
0.8s 5.80nm 5.1mb
NUR 93.75 331 eP 12 59.30 -6.1X
KRI 94.68 253 iPd 13 09.10 -1.6
ipP 13 14.50 17km
MBC 95.06 12 eP 13 11.00 -0.2
BUL 95.59 250 iPc 13 13.20 -1.7
ipP 13 18.10 15km
BRG 101.79 323 i(Pdif13 46.10 4.1X
GEC2 102.52 321 Pdiff 13 45.20 -0.3
0.9s 0.90nm 4.5mb
YKA 102.94 24 ePdiff13 47.90 1.1
1.0s 1.00nm 4.5mb
GOL 119.24 42 ePKP 18 39.02 0.0
ALQ 120.68 48 ePKP 18 42.78 1.0
KIC 128.47 279 PKP 19 01.20 4.1X
TIC 128.71 279 PKP 19 01.70 4.1X
LIC 128.77 279 PKP 19 02.00 4.3X
CCM 129.17 36 ePKP 18 58.06 0.3
PEL 145.19 158 ePKPd 19 19.50 -7.9X
CNCB 160.33 143 ePKP 19 57.00 7.3X
LPB 160.47 142 PKP 19 54.00 4.4X
ZOBO 160.64 142 PKP 19 52.10 2.1
1.0s 6.25nm
S.D. = 1.0 on 69 of 88 obs.

JUN 10, 1992 01h 24m 06.16± 0.25s
53.581 N ± 5.2km 165.423 W ± 3.3km
DEPTH = 33.0km (normal)
5.2mb (75 obs.) 4.4Msz (3 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS (9)
Felt (IV) at Dutch Harbor and
Unalaska. Felt (III) at Akutan.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 41C
Centroid Location:
Origin Time 01:24: 9.7 0.4
Lat 53.32N 0.06 Lon 165.11W 0.08
Dep 32.1 4.2 Half-duration 1.7
Moment Tensor; Scale 10**16 Nm
Mrr= 5.29 0.29 Mtt=-4.02 0.43
Mff=-1.27 0.29 Mrt= 3.03 0.85
Mrf= 3.48 0.82 Mtf=-2.28 0.39
Principal Axes:
T Val= 7.14 Plg=68 Azm=299
N -0.24 9 52
P -6.90 20 146
Best Double Couple:Mo=7.0*10**16
NP1:Strike=252 Dip=26 Slip= 112
NP2: 48 66 80

SDN 3.37 56 eP 24 58.69 1.0
ADK 7.05 261 ePd 25 50.49 0.9
KDC 8.41 55 eP 26 07.31 -1.3
SVW 9.21 31 ePc 26 19.99 0.3
TTA 10.59 24 eP 26 39.13 0.5
SLKM 10.78 44 eP 26 40.06 -1.2
ANM 11.02 0 eP 26 46.55 2.1
PMS 11.47 42 eP 26 48.30 -2.2X
PMR 11.84 41 P 26 53.30 -2.1X
0.6s 14.58nm 5.3mb X
KLU 13.09 45 eP 27 08.98 -3.3X
TOA 13.29 42 eP 27 12.80 -2.1X
IMA 13.81 20 eP 27 23.89 2.2
0.7s 22.65nm 5.1mb
FBA 14.42 31 eP 27 32.71 3.1X

0.6s 27.40nm 5.0mb
BALM 14.47 50 eP 27 28.31 -2.1
SIT 17.40 66 e(P) 28 06.30 -1.4
0.6s 17.70nm 4.4mb
BRW 18.20 9 eP 28 17.98 0.6
YKA 27.64 51 eP 29 52.50 0.3
0.6s 24.60nm 5.1mb
RMW 28.04 85 (P) 29 57.16 1.0
MBC 28.54 21 eP 30 01.00 0.8
0.6s 5.00nm 4.4mb
FHC 30.47 98 eP 30 19.33 1.5
1.5s 110.70nm 5.4mb
LBFM 31.37 95 eP 30 27.84 1.8
ORV 32.73 97 eP 30 39.26 1.6
SES 32.96 73 eP 30 40.00 0.4
0.5s 26.00nm 5.4mb
LRM 34.42 81 eP 30 52.70 0.2
HPI 35.21 85 (P) 31 00.81 1.5
BONR 35.67 97 eP 31 05.07 1.8
TNP 36.23 95 eP 31 09.00 1.1
0.5s 3.94nm 4.6mb
HVU 36.54 87 eP 31 10.25 -0.2
ISA 37.12 100 eP 31 15.89 0.7
1.3s 17.55nm 4.8mb
DUG 37.49 89 eP 31 19.59 1.1
1.1s 10.84nm 4.6mb
DAU 38.29 88 eP 31 26.24 0.9
FCC 38.32 53 eP 31 27.00 2.1
OFUJ 38.38 270 eP 31 25.20 -0.5
MSU 38.95 91 eP 31 31.65 0.9
SRU 39.55 89 eP 31 36.57 0.9
PLM 39.68 101 eP 31 38.04 1.2
RSSD 40.31 78 P 31 42.06 0.1
0.3s 13.31nm 5.2mb
GLA 41.09 99 eP 31 48.88 0.6
ULM 41.47 65 eP 31 52.00 0.9
CHJJ 41.97 268 P 31 55.90 0.5
MAT 42.11 270 iPc 31 55.90 -0.6
0.8s 43.28nm 5.2mb
Z 20s 0.35um 4.2Msz
(S) 37 37.00
GOL 42.23 84 eP 31 58.95 1.1
0.6s 15.77nm 4.9mb
DAG 48.20 10 iPd 32 44.00 -0.7
0.7s 43.15nm 5.6mb
MEO 49.54 84 iPc 32 54.90 -0.6
OCO 49.69 83 e(P) 32 52.10 -4.5X
FNO 49.91 83 iPc 32 57.00 -1.4
SIO 50.22 81 eP 32 59.90 -0.8
LNO 50.41 81 eP 33 00.90 -1.1
RLO 50.69 80 eP 33 03.20 -1.1
VVO 50.84 81 eP 33 04.70 -0.7
CCM 51.60 76 eP 33 09.29 -1.9
1.0s 24.01nm 5.1mb
FVM 52.12 75 eP 33 12.89 -2.2
1.1s 60.43nm 5.5mb
EEO 52.56 60 eP 33 18.00 -0.3
OLY 53.23 78 eP 33 20.67 -2.7
LST 53.53 76 (P) 33 24.21 -1.3
PWLA 55.58 76 eP 33 38.60 -1.9
SSE 56.03 278 Pd 33 44.00 0.2
1.0s 39.00nm 5.4mb
Z 22s 0.50um 4.6Msz
PcP 34 25.50
eS 41 51.00
KEV 56.64 355 iP 33 46.00 -1.7
0.8s 29.30nm 5.4mb
KTK1 57.56 356 iPc 33 52.59 -1.6
TKL 57.56 73 eP 33 52.24 -2.4
NAV 58.06 69 eP 33 56.51 -1.7
LOF 58.60 0 iPd 33 59.51 -2.0
CVL 58.87 67 eP 34 02.83 -1.0
JSC 59.98 72 eP 34 09.25 -2.2
CEH 60.03 69 eP 34 10.39 -1.4
0.6s 38.63nm 5.7mb
LMN 60.17 52 ePc 34 12.50 -0.2
NSS 62.21 1 eP 34 24.30 -1.8
LZH 62.32 294 eP 34 27.00 -0.5
1.5s 57.00nm 5.5mb
pP 34 52.00 100kmX
sP 35 07.00
MOL 64.06 4 iPd 34 37.33 -1.0
KAF 64.28 354 iP 34 38.20 -1.6
0.7s 57.90nm 5.8mb
NB2 65.70 2 P 34 47.70 -1.3
0.7s 17.30nm 5.3mb
NUR 65.98 355 iP 34 49.40 -1.3

0.6s 35.50nm 5.6mb
HFS 66.63 0 eP 34 53.00 -1.9
0.7s 46.40nm 5.7mb
Z 18s 0.19um 4.4Msz
LR 57 21.00
HKC 66.74 276 eP 34 56.70 0.6
UPP 66.89 358 iP 34 55.10 -1.4
KONO 67.05 3 eP 34 57.20 -0.4
OBN 70.17 347 iPd 35 15.50 -1.4
1.0s 24.00nm 5.2mb
Z 16s 0.50um 4.9MszX
N 16s 0.40um
e 35 38.00
LR 02 00.00
EKA 70.47 11 P 35 18.00 -0.7
0.8s 24.40nm 5.3mb
KMI 71.24 287 Pc 35 23.50 -0.7
1.5s 100.00nm 5.6mb
pP 35 34.50 36kmX
DMU 71.41 13 eP 35 23.80 -0.7
1.0s 46.00nm 5.5mb
DLF 72.05 13 eP 35 28.20 -0.1
0.8s 79.00nm 5.8mb
WIT 73.77 5 eP 35 40.00 1.7
WTS 74.59 5 eP 35 43.50 0.4
0.8s 16.00nm 5.1mb
CLL 75.47 1 iP 35 47.30 -0.8
1.2s 16.00nm 4.9mb
i 36 26.10
ENN 75.77 6 eP 35 50.00 0.2
0.7s 32.00nm 5.4mb
BRG 75.92 0 iP 35 51.40 0.7
0.8s 20.00nm 5.2mb
KSP 75.94 359 eP 35 50.30 -0.5
MOX 76.12 2 eP 35 51.70 -0.1
1.2s 24.00nm 5.1mb
OJC 76.48 357 eP 35 53.50 -0.4
1.0s 32.00nm 5.3mb
PRU 76.81 0 P 35 55.50 -0.2
e 36 18.50
GRF 77.06 2 iPc 35 57.50 0.4
1.1s 35.00nm 5.3mb
FLN 77.24 10 eP 35 57.70 -0.4
0.8s 12.20nm 5.0mb
LDF 77.44 10 eP 35 58.80 -0.4
0.8s 21.20nm 5.2mb
GRR 77.57 10 eP 35 59.80 -0.1
0.9s 15.05nm 5.0mb
KHC 77.66 1 P 36 01.00 0.5
1.0s 8.90nm 4.7mb
e 36 10.00
LPF 77.90 11 eP 36 01.80 0.1
0.9s 14.60nm 5.0mb
GEC2 77.95 1 P 36 00.90 -1.2
0.6s 5.51nm 4.7mb
GUN 78.19 301 Pc 36 03.00 -1.1
CDF 78.19 5 eP 36 03.40 -0.1
0.7s 8.50nm 4.9mb
CHG 78.35 286 eP 36 04.40 -0.3
1.0s 18.75nm 5.1mb
HAU 78.55 6 eP 36 05.30 -0.1
0.7s 16.55nm 5.2mb
ZST 78.58 358 iP 36 06.20 0.8
KKN 78.60 301 Pc 36 04.80 -1.4
PKI 78.71 301 Pc 36 05.40 -1.6
BSF 78.75 5 eP 36 06.40 -0.2
0.9s 21.95nm 5.2mb
GKN 78.75 302 Pc 36 05.80 -1.2
PSZ 78.78 356 eP 36 07.90 1.2
DMN 78.83 301 Pc 36 06.60 -1.0
LOR 79.11 7 eP 36 08.40 -0.1
0.8s 23.90nm 5.2mb
SSF 79.29 8 eP 36 09.50 0.1
0.9s 35.05nm 5.4mb
LBF 79.41 7 eP 36 09.80 -0.3
1.0s 26.20nm 5.2mb
MFF 79.41 10 eP 36 10.10 0.1
0.8s 18.55nm 5.1mb
MOTA 79.41 2 iPc 36 10.00 -0.2
0.8s 14.70nm 5.0mb
WATA 79.43 2 iPc 36 10.50 0.2
WTTA 79.50 2 iPc 36 11.00 0.3
0.7s 14.50nm 5.1mb
i 36 17.10
SOTA 79.53 2 iPc 36 11.00 0.2
0.8s 20.30nm 5.2mb
AVF 79.55 8 eP 36 10.70 -0.1

0.8s 27.00nm 5.3mb
KBA 79.71 1 iPc 36 12.70 0.8
0.8s 38.90nm 5.5mb
i 36 21.80
SMF 79.73 7 eP 36 11.70 -0.1
0.8s 32.35nm 5.4mb
BGF 79.74 8 eP 36 11.80 0.0
0.8s 18.25nm 5.1mb
LLS 79.81 4 ePd 36 13.00 0.5
LSF 79.93 9 eP 36 12.90 0.1
0.9s 37.35nm 5.4mb
TCF 79.95 9 eP 36 12.90 -0.1
0.8s 14.65nm 5.0mb
OSS 80.04 3 ePd 36 14.30 0.7
MAF 80.05 8 eP 36 13.70 0.2
0.8s 18.65nm 5.1mb
UZD 80.15 357 eP 36 09.40 -4.5X
FVI 80.19 1 P 36 14.40 0.3
EMS 80.51 5 ePd 36 17.40 1.2
TMA 80.57 4 ePd 36 17.10 0.6
MMK 80.58 5 ePd 36 18.10 1.5
CTI 80.72 2 P 36 16.90 -0.2
VOY 80.76 0 e(P) 36 16.60 -0.8
RJF 80.86 9 eP 36 17.80 0.0
1.1s 19.55nm 5.0mb
PTJ 80.89 359 eP 36 18.00 0.0
ORX 81.00 5 P 36 19.83 1.1
LPL 81.05 6 eP 36 20.00 0.9
0.8s 7.40nm 4.7mb
CEY 81.06 0 e(P) 36 18.50 -0.3
LPG 81.07 6 eP 36 20.30 1.0
0.8s 5.65nm 4.6mb
LSD 81.14 5 P 36 21.36 1.8
LFF 81.15 10 eP 36 19.50 0.2
0.9s 21.80nm 5.2mb
CAF 81.29 9 eP 36 20.40 0.3
0.9s 17.70nm 5.1mb
VBY 81.29 360 eP 36 20.90 0.9
LPO 81.44 10 eP 36 21.00 0.2
0.7s 7.95nm 4.8mb
RSP 81.45 5 P 36 21.88 0.9
BNI 81.51 6 P 36 23.10 1.7
RRL 81.65 6 P 36 23.83 1.6
KHT 81.75 284 eP 35 22.90 0.1
BHB 81.76 5 P 36 22.59 0.1
BQB 81.93 4 P 36 23.70 0.2
PZZ 82.08 5 P 36 24.54 0.2
PCP 82.12 4 P 36 24.13 -0.3
ROB 82.33 5 P 36 25.26 -0.3
STV 82.35 5 P 36 25.06 -0.6
ENR 82.38 5 P 36 25.16 -0.7
MAIO 82.41 325 eP 36 26.00 -0.1
FIN 82.43 5 P 36 25.98 -0.1
MME 82.55 3 P 36 27.80 0.9
BDI 82.67 3 P 36 23.30 -4.0X
IMI 82.72 5 P 36 27.31 -0.3
SBF 82.74 5 eP 36 28.10 0.4
0.8s 33.30nm 5.5mb
SFI 82.85 2 P 36 29.70 1.6
PGD 82.89 2 P 36 30.10 1.5
FIR 82.98 2 eP 36 30.50 1.7
EPF 82.99 10 eP 36 28.80 -0.2
1.1s 14.90nm 5.0mb
FRF 83.00 6 eP 36 29.50 0.6
0.7s 12.00nm 5.1mb
LRG 83.08 6 eP 36 29.50 0.2
0.8s 9.25nm 4.9mb
CRE 83.14 2 P 36 31.80 2.0
LMR 83.21 6 eP 36 30.70 0.7
0.7s 7.95nm 4.9mb
PLE 83.38 356 iPc 36 31.80 0.8
HVAR 83.60 359 eP 36 31.30 -0.7
ASS 83.71 1 P 36 34.10 1.4
IVA 83.82 356 iPc 36 33.23 0.0
BRY 83.83 357 iPc 36 33.05 -0.3
NKY 83.91 357 iPc 36 33.48 -0.3
PVY 84.09 356 iPc 36 34.23 -0.4
PGF 84.13 4 eP 36 35.50 0.7
0.8s 27.95nm 5.5mb
TTG 84.28 357 iPc 36 35.20 -0.2
HCY 84.29 357 iPc 36 34.92 -0.6
AQU 84.44 1 P 36 37.60 1.3
SKO 84.64 355 iP 36 37.60 0.3
0.9s 47.00nm 5.7mb
ULC 84.75 357 iPc 36 37.38 -0.5
QUE 85.04 317 eP 36 41.10 1.4
1.0s 27.50nm 5.4mb

SDI 85.09 1 P 36 39.80 0.2
DUI 85.13 0 P 36 41.20 1.4
VAY 85.22 354 eP 36 40.40 0.2
SGO 86.23 359 P 36 45.30 0.1
MGR 86.65 359 P 36 47.00 -0.3
HYB 90.63 301 eP 37 06.00 -0.6
POO 92.03 305 iPd 37 18.60 5.6X
ASPA 93.02 233 eP 37 18.10 0.9
0.7s 8.80nm 5.3mb
BCAO 122.10 355 ePKPc 43 13.00 14.1X
0.8s 14.00nm
id 44 31.90
KRI 141.49 336 iPKPc 43 30.10 -5.5X
SPA 143.40 180 iPKPd 43 36.80 -0.6
0.8s 7.50nm
BUL 144.92 337 iPKPd 43 40.30 -1.1
0.9s 109.24nm
SLR 150.36 334 iPKPc 43 55.30 5.3X
0.8s 22.39nm
KSR 150.83 337 ePKP 43 57.00 6.3X
PRY 151.71 335 ePKP 43 57.70 5.7X
1.0s 10.00nm
SEK 153.00 334 iPKPc 44 01.50 7.7X
0.6s 30.00nm
MAW 153.32 220 iPKPd 44 00.60 7.8X
1.0s 10.00nm
MAW 153.32 220 iPKP 44 13.00 20.2X
1.0s 17.00nm
BLF 154.11 336 ePKP 44 04.20 8.9X
FRS 154.93 338 ePKP 44 03.70 7.6X
0.8s 11.19nm
S.D. = 1.0 on 183 of 202 obs.

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* JUN 10, 1992 01h 43m 14.84± 2.17s
37.011 N ±17.4km 28.279 E ±13.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

CIN 0.61 345 iPgd 43 27.00 -0.1
iSg 43 36.00
ELL 1.33 101 ePn 43 39.50 0.0
IZM 1.60 330 iPn 43 43.30 0.0
KHL 1.64 37 ePn 43 44.00 0.1
ALT 2.50 35 ePn 43 56.00 -0.3
IZI 3.45 15 ePn 44 10.00 0.2
S.D. = 0.2 on 6 of 6 obs.

JUN 10, 1992 02h 13m 45.46± 0.14s
1.084 N ± 2.8km 124.089 E ± 3.8km
DEPTH = 30.5km (15 depth phases)
5.9mb (89 obs.) 5.8Msz (55 obs.)
MINAHASSA PENINSULA, SULAWESI (265)
Mo=1.6*10**18 Nm (PPT). Felt in the Manado area.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 90C
Centroid Location:
Origin Time 02:13:47.5 0.2
Lat 1.16N 0.02 Lon 124.16E 0.02
Dep 17.4 1.1 Half-duration 3.7
Moment Tensor; Scale 10**18 Nm
Mrr= 1.00 0.02 Mtt=-1.05 0.02
Mff= 0.05 0.03 Mrt= 0.16 0.07
Mrf=-0.07 0.04 Mtf= 0.05 0.02
Principal Axes:
T Val= 1.02 Plg=84 Azm= 43
N 0.05 4 273
P -1.07 5 183
Best Double Couple:Mo=1.0*10**18
NP1:Strike=269 Dip=41 Slip= 84
NP2: 97 50 95

PCI 4.69 245 ePc 14 54.10 -1.9
eS 15 20.20
e 29 58.30
TSM 6.98 297 ePc 15 26.90 -1.4
e 21 27.00
CGP 7.35 5 eP 15 33.00 -0.4
BIP 7.41 17 ePd 15 34.00 -0.3
iS 17 07.00
KKM 9.27 302 ePd 16 02.50 2.2
0.7s 85.40nm 6.1mb
e 17 49.50
e 22 03.30
PLP 10.05 5 ePd 16 12.00 1.1
PPR 10.15 329 iPd 16 11.50 -0.7

PGP 12.72 346 ePc 16 53.00 5.9X
TGY 13.31 347 eP 16 59.00 4.1X
QVP 13.79 347 eP 17 10.00 8.7X
KNA 17.35 165 eP 17 45.90 -1.2
0.6s 123.00nm 5.2mb
PIP 17.47 349 ePc 17 52.50 3.9X
WWKK 20.08 104 eP 18 05.00 -14.5X
KGM 20.78 273 ePc 18 27.40 0.6
1.2s 524.20nm 5.8mb
e 20 11.00
MNDI 20.82 110 eP 18 27.40 0.0
MBL 22.50 190 iPd 18 45.10 1.2
KLM 22.52 275 eP 18 49.00 4.8X
MDG 22.56 106 eP 18 45.00 0.4
QIZ 22.65 323 Pc 18 46.00 0.5
1.2s 260.00nm 5.6mb
N 16s 19.80um
E 17s 15.20um
pP 18 57.50 46kmX
HKC 23.20 336 eP 18 52.00 1.3
eS 23 04.00
WB2 23.19 155 iPc 18 42.50 -8.3X
0.5s 12.10nm 4.7mb X
i 18 51.10 31km
i 20 34.20
IPM 23.29 279 ePc 18 54.40 2.6
1.0s 405.80nm 5.9mb
GUMO 24.03 58 e(P) 18 57.00 -1.9
1.3s 331.60nm 5.7mb
Z 23s 8.06um 5.1MszX
eS 23 19.90
GUA 24.04 58 e(P) 18 52.00 -7.0X
LAT 24.12 109 eP 19 01.30 1.5
SNG 24.17 285 eP 18 58.00 -2.3
1.5s 1816.67nm 6.4mb
eS 23 29.50
GZH 24.23 335 iPd 19 04.40 3.6X
2.0s 2120.00nm 6.3mb
Z 16s 30.90um 5.9MszX
N 15s 13.80um
E 15s 17.80um
iS 23 20.00
SS 24 10.00
QZH 24.31 348 Pc 19 01.50 0.0
1.5s 1150.00nm 6.2mb
Z 20s 29.90um 5.8Msz
N 16s 14.30um
S 23 18.00
NANU 24.94 199 eP 19 06.50 -1.1
0.4s 24.00nm 5.2mb
QIS 26.33 146 iPd 19 11.10 -9.6X
0.3s 93.00nm 5.9mb
i 19 20.00 32km
e 21 03.00
eS 23 52.00
ASPA 26.39 159 eP 19 11.70 -9.5X
0.9s 7.50nm 4.3mb X
e 19 21.10 33km
ePP 21 02.40
eS 24 03.60
NNT 26.71 296 iPd 19 25.70 1.5
WARB 27.22 175 eP 19 28.00 -0.8
0.5s 30.00nm 5.2mb
NST 27.72 303 eP 19 34.00 0.6
MEEK 28.06 190 eP 19 33.00 -3.4X
KHT 28.63 300 eP 19 38.30 -3.4X
SSE 29.97 355 P 19 55.00 1.5
2.2s 230.00nm 5.6mb
Z 20s 14.70um 5.6Msz
N 10s 1.95um
E 10s 1.59um
CTA 30.24 135 P 19 56.79 0.7
GYA 30.29 328 P 19 58.00 1.5
Z 20s 43.70um 6.1Msz
N 12s 8.37um
CHG 30.31 307 eP 19 57.00 0.3
1.1s 221.52nm 5.9mb
eS 25 00.00
CHTO 30.31 307 eP 19 57.20 0.6
pP 20 04.20 24km
KAGJ 30.62 11 eP 19 59.40 0.2
WHN 30.72 343 eP 20 01.00 0.9
1.2s 120.00nm 5.6mb
Z 20s 21.30um 5.8Msz
N 19s 14.30um
E 11s 4.32um
pP 20 11.00 36km

10d 02h

MRWA 31.11 194 eP 20 02.40 -1.1
0.5s 12.00nm 5.0mb
NJ2 31.20 351 Pc 20 05.00 0.8
1.6s 190.00nm 5.7mb
N 15s 9.26um
E 10s 2.19um
KMI 31.56 321 Pc 20 09.50 1.6
2.0s 930.00nm 6.3mb
Z 16s 13.80um 5.7MszX
N 13s 2.30um
E 13s 6.40um
pP 20 14.50 17kmX
PP 21 17.00
S 25 18.00
sS 25 28.00
FORT 31.91 174 eP 20 10.00 -0.5
COOL 31.91 185 eP 20 10.00 -0.6
KUMJ 31.92 11 P 20 13.00 2.4
BAL 32.29 192 eP 20 12.70 -1.2
KLB 33.05 190 eP 20 20.30 -0.2
OLP 33.68 146 eP 20 25.00 -1.0
0.7s 76.00nm 5.7mb
MUN 33.72 192 eP 20 25.30 -1.0
TKSJ 34.03 15 P 20 28.30 -0.7
SHK 34.23 13 ePc 20 30.00 -0.7
NWAO 34.44 190 eP 20 32.00 -0.5
WKYJ 34.68 17 eP 20 33.80 -0.8
YONJ 35.04 13 P 20 37.50 -0.1
CD2 35.37 329 P 20 40.00 -0.6
1.4s 1310.00nm 6.7mb
E 15s 11.90um
ipP 20 50.20 35km
ePcP 23 11.80
TIA 35.54 350 Pc 20 42.40 0.5
Z 40s 28.80um 5.7MszX
pP 20 52.00 32km
PP 22 05.00
XAN 35.73 338 P 20 44.00 0.4
1.0s 250.00nm 6.1mb
N 16s 15.50um
E 15s 8.13um
pP 20 57.00 49kmX
S 26 19.00
SS 28 44.00
TSRJ 36.02 17 P 20 44.90 -1.0
RMQ 36.30 141 eP 20 47.00 -1.4
0.9s 36.00nm 5.3mb
IIDJ 36.56 19 P 20 53.20 2.7
STK 36.74 155 eP 20 42.80 -9.2X
0.5s 2.70nm 4.4mb X
ipP 20 51.00 28km
ePP 22 32.90
eS 26 21.50
STK 36.74 155 P 20 51.70 -0.3
HNR 37.21 107 eP 20 53.00 -3.2X
CHJJ 37.44 20 P 20 56.60 -1.3
MTMJ 37.54 18 P 21 01.40 2.6
MAT 37.63 19 eP 20 57.00 -2.5
2.1s 1266.67nm 6.4mb
Z 20s 6.38um 5.4Msz
eS 26 46.00
DL2 37.71 357 P 21 00.00 0.0
Z 24s 10.10um 5.5MszX
N 16s 7.66um
E 16s 5.08um
S 26 50.00
KAKJ 38.00 21 eP 20 57.10 -5.4X
TIY 38.00 345 iPc 21 02.50 -0.1
1.0s 130.00nm 5.7mb
Z 22s 17.90um 5.8Msz
N 17s 11.00um
ADE 38.39 160 eP 21 06.50 0.6
1.2s 812.50nm 6.4mb
CMS 38.40 149 eP 21 05.00 -1.0
0.7s 38.00nm 5.3mb
NIIJ 38.52 19 P 21 07.10 0.2
BJI 39.44 350 ePc 21 15.00 0.5
1.8s 130.00nm 5.4mb
Z 43s 22.30um 5.7MszX
N 15s 4.41um
LZH 39.57 334 eP 21 15.50 -0.4
1.2s 770.00nm 6.3mb
Z 18s 18.40um 6.0Msz
N 14s 7.05um
E 15s 8.40um
pP 21 22.00 22km
sP 21 25.50
PP 22 50.00
PcP 23 20.00
eS 27 20.00
sS 27 30.00
YAMJ 39.71 20 P 21 18.10 1.2
SNY 40.56 359 Pc 21 22.90 -0.8
1.6s 110.00nm 5.3mb
Z 24s 22.10um 5.9MszX
N 22s 13.90um
pP 21 31.00 27km
sP 21 36.40
ARMA 40.86 142 eP 21 18.50 -8.0X
i 21 26.00 25km
i 21 28.20
i 23 09.00
OFUJ 41.09 21 P 21 28.50 0.3
HHC 41.18 346 Pc 21 28.00 -1.0
1.6s 150.00nm 5.5mb
Z 22s 22.10um 6.0Msz
N 15s 6.23um
E 11s 1.79um
sP 21 44.00
PP 23 03.50
PP 23 08.00
S 27 46.00
BTO 41.35 344 iPd 21 31.00 0.6
2.5s 100.00nm 5.1mb
N 17s 9.28um
E 14s 6.77um
pP 21 41.50 36km
PP 23 10.00
S 27 40.00
SS 30 39.00
BFD 41.74 158 iPc 21 34.00 0.5
LSA 42.33 315 iPc 21 41.00 2.0
N 13s 1.58um
E 11s 0.73um
PP 23 21.00
CN2 42.55 1 Pc 21 38.00 -2.0
1.4s 140.00nm 5.5mb
Z 22s 9.96um 5.7Msz
N 16s 4.86um
E 16s 3.52um
epP 21 53.00 58kmX
PP 23 17.00
eScS 31 33.00
RIV 43.05 146 eP 21 47.00 2.7
i 21 50.30 11kmX
i 28 20.00
CNB 43.23 149 iPc 21 48.20 2.4
1.0s 190.00nm 5.8mb
i 24 30.00
TOO 43.26 155 iPd 21 47.70 1.7
0.3s 189.00nm 6.3mb
i 23 30.00 573kmX
MDJ 43.62 6 eP 21 48.00 -0.7
2.5s 590.00nm 5.9mb
Z 32s 18.40um 5.8MszX
N 18s 5.37um
E 12s 2.67um
pP 21 58.00 34km
MRRJ 43.89 18 eP 21 51.40 0.4
GTA 44.11 333 iPc 21 53.00 0.0
2.0s 610.00nm 6.1mb
Z 16s 24.00um 6.2MszX
E 15s 11.90um
pP 22 02.00 30km
sP 22 05.00
PP 23 42.00
S 28 20.00
SAP 44.55 18 eP 21 58.00 1.7
HOOJ 44.59 20 eP 21 58.00 1.4
GUN 45.25 310 P 21 49.40 -13.2X
PKI 45.45 309 P 21 53.30 -10.9X
KKN 45.66 309 P 21 54.80 -10.9X
DMN 45.71 309 P 21 55.30 -10.8X
KUSJ 45.72 21 P 22 06.00 0.4
ASAJ 45.91 19 P 22 07.40 0.3
GKN 46.26 309 P 21 58.70 -11.6X
DZM 47.29 122 iPc 22 17.00 -1.5
BKM 47.29 115 iPc 22 19.00 0.6
HYB 47.61 293 iPc 22 22.00 1.0
1.0s 40.00nm 5.4mb
eS 29 20.00
YSS 48.55 17 eP- 22 25.00 -2.8
1.0s 90.00nm 5.8mb
Z 18s 3.50um 5.4Msz
N 18s 4.00um
E 18s 2.50um
e 24 21.00 664kmX
eS 29 28.00
KUR 48.71 22 iPc+ 22 29.00 0.0
1.0s 230.00nm 6.2mb
Z 18s 3.80um 5.4Msz
N 18s 4.10um
E 18s 2.90um
eS 29 40.00
CIT 51.50 352 eP 22 49.00 -1.3
eSS 30 04.00
ZAK 52.21 343 iPc 22 56.00 0.4
2.0s 181.00nm 5.7mb
Z 20s 9.40um 5.8Msz
N 20s 5.40um
E 18s 3.94um
e 24 10.00 355kmX
eS 30 30.00
POO 52.22 293 eP 23 02.00 5.7X
NDI 52.44 306 eP 22 55.00 -2.8
1.2s 226.56nm 6.0mb
WMQ 53.45 328 P 23 05.00 -0.1
2.5s 390.00nm 6.0mb
Z 24s 16.10um 6.0MszX
N 18s 15.20um
pP 23 15.00 33km
sP 23 23.20
PcP 24 06.00
PP 25 08.00
ScP 28 04.00
S 30 38.00
sS 30 55.00
ScS 32 48.00
IRK 53.63 345 eP+ 23 05.00 -1.2
1.8s 169.00nm 5.7mb
Z 20s 11.10um 5.9Msz
N 19s 5.40um
E 20s 5.17um
eS 30 43.00
BOD 57.14 354 eP 23 30.50 -1.0
2.3s 430.00nm 6.1mb
PRZ 58.04 321 eP 23 40.00 1.7
1.2s 150.00nm 5.9mb
eS 31 44.00
KSH 58.08 317 P 23 40.80 2.3
1.6s 350.00nm 6.2mb
Z 16s 8.35um 5.9MszX
N 15s 4.97um
E 14s 3.29um
TLG 59.09 322 eP 23 46.00 0.5
3.0s 180.00nm 5.7mb
Z 17s 2.50um 5.4MszX
N 17s 1.30um
E 21s 2.20um
eS 31 55.00
ePS 32 10.00
iSS 35 45.00
PET 59.17 24 eP 23 46.00 0.3
1.8s 620.00nm 6.4mb
Z 22s 3.50um 5.4Msz
e 25 56.00 707kmX
eS 31 55.00
eSS 35 52.00
WCZ 59.48 134 P 23 49.00 0.8
MSZ 59.90 145 P 23 51.60 0.7
LMZ 60.13 144 P 23 52.70 0.3
ORZ 60.59 139 P 23 56.20 0.5
KUZ 60.84 134 P 23 56.90 -0.5
YAK 60.93 3 ePd 23 55.80 -1.8
1.3s 469.00nm 6.5mb
e 24 40.00 191kmX
e 26 12.00
ePPP 27 43.00
iS 32 16.00
ePS 32 43.00
EWZ 60.96 143 eP 23 59.70 1.6
e 25 41.60 497kmX
WLZ 61.25 135 P 24 00.90 0.7
THZ 61.31 140 P 24 00.70 0.0
OUE 61.37 304 eP 24 01.30 -0.2
1.5s 147.22nm 5.9mb
e 25 43.40 497kmX
eS 32 16.50
LTZ 61.44 141 eP 24 00.20 -1.3
SEM 61.58 330 ePc 24 02.20 -0.1
2.3s 456.00nm 6.2mb

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      Z  15s      4.00um            5.7MszX
                  e      26 15.00 713kmX
                  ePPP   27 44.00
                  eS     32 29.00
                  iPS    32 51.00
                  e      36 27.00
ODZ      61.70 144 eP    24 04.50   1.4
GAR      61.82 315 iP    24 04.50   0.2
      Z  20s      9.50um            5.9Msz
                  i      26 18.00 717kmX
                  ePPP   27 45.00
                  iS     32 26.00
KHZ      62.05 140 P     24 03.60  -1.9
MOZ      62.17 142 eP    24 05.90  -0.4
SNZO     62.25 139 P     24 07.00   0.1
                  e      24 41.00 142kmX
                  e      25 49.00
                  S      32 35.00
MGD      62.37  15 ePd+  24 06.50  -0.9
         1.4s   450.00nm         6.4mb
      Z  18s      2.60um         5.4Msz
      N  18s      2.60um
                  e      24 49.00 182kmX
                  ePPP   27 58.00
                  eS     32 34.00
                  ePS    33 03.00
                  e      33 57.00
                  eSS    36 32.00
MCQ      62.40 158 eP    24 11.30   3.7X
URZ      62.49 135 P     24 08.30  -0.2
PGZ      62.97 138 P     24 10.80  -0.8
                  e      25 53.50 496kmX
HBZ      63.06 134 P     24 12.30   0.0
                  e      25 54.40 493kmX
PUZ      63.23 134 P     24 13.50   0.0
NOZ      63.30 135 P     24 13.70  -0.2
                  e      25 56.10 494kmX
SMY      66.07  31 P     24 40.00   8.5X
      Z  21s      4.88um         5.7Msz
CSY      67.92 186 iPd   24 43.30   0.3
         0.7s    33.30nm         5.6mb
MAIO     69.05 309 eP    24 50.00  -0.8
ASH      70.35 310 eP    24 59.00   0.4
         2.0s   640.00nm         6.4mb
                  e      27 34.00
                  e      29 13.00
                  eS     34 15.00
                  e      34 38.00
KAT      72.24 311 iP+   25 10.00   0.1
                  e      25 32.00  84kmX
                  e      27 52.00
                  eS     34 36.00
                  e      35 15.00
                  eSS    39 10.00
NRI      72.31 347 iPc+  25 08.00  -1.7
         2.0s   330.00nm         6.0mb
      Z  20s      9.50um         6.1Msz
      N  20s      3.90um
      E  20s      6.10um
                  e      25 30.00  84kmX
                  e      27 55.00
                  e      29 40.00
                  eS     34 34.00
                  ePPS   35 16.00
SVE      74.84 329 ePd   25 22.00  -2.7
         2.2s   400.00nm         6.0mb
      Z  19s      6.00um         5.9Msz
      N  19s      1.50um
      E  19s      4.50um
                  e      20 06.90
                  ePPP   30 05.00
                  eS     34 58.00
                  ePS    35 52.00
                  eSS    39 44.00
ARU      75.75 329 ePc   25 28.50  -1.4
      Z  18s      3.00um         5.6Msz
      N  18s      3.00um
      E  18s      2.30um
                  e      25 32.50  13kmX
                  e      25 38.00
                  e      28 18.00
                  ePPP   30 10.00
                  eS     35 07.00
                  ePS    35 58.00
ILT      77.16  19 iPc   25 37.60   0.0
         1.8s   180.00nm         5.8mb
                  i      28 29.00
                  eS     35 26.00
                  i      36 00.00
                  eSS    40 20.00
BAK      77.28 311 iPc   25 41.00   2.2
                  iS     35 33.00
SHE      78.27 311 iPd   25 45.00   0.8
         1.4s   250.00nm         6.0mb
      Z  16s      1.30um         5.4MszX
      N  16s      2.00um
      E  17s      3.00um
                  i      28 48.00
                  iS     35 42.00
HON      78.34  69 P     25 50.00   5.0X
      Z  21s      1.91um         5.4Msz
DHH      78.52  69 eP    25 43.86  -2.1
GRS      79.87 310 eP    25 52.00  -1.2
         1.5s   240.00nm         6.0mb
      Z  20s      1.52um         5.3Msz
      N  16s      1.11um
      E  16s      0.64um
                  e      28 54.00
                  ePPP   30 50.00
                  eS     35 58.00
MAW      80.38 200 iPd   25 55.80   0.7
         1.0s    67.00nm         5.6mb
ANM      80.75  24 eP    25 57.79   0.6
SDN      80.84  34 eP    25 56.27  -1.5
         1.0s   355.65nm         6.3mb
      Z  21s      9.09um         6.1Msz
MTA      81.28 312 iPd-  26 00.60   0.2
      Z  19s      0.50um         4.9Msz
      N  19s      1.50um
      E  19s      1.00um
                  eS     36 13.00
                  ePS    37 11.00
ERE      81.34 310 iP+   25 59.00  -1.9
      Z  20s      1.24um         5.3Msz
                  e      29 11.00
                  iS     36 15.00
                  iPS    37 24.00
SBA      82.10 172 eP    26 06.60   2.6
PYA      82.79 314 iPc   26 08.00  -0.3
                  eS     36 27.00
                  ePS    37 22.00
                  iPPS   37 44.00
KIV      83.06 314 iP    26 09.50  -0.2
      Z  22s      2.37um         5.5Msz
                  i      29 26.40
                  iS     36 29.00
                  iPS    37 21.40
SVW      84.36  29 eP    26 16.04   0.2
         1.8s   399.92nm         6.3mb
TTA      84.44  27 eP    26 16.35   0.1
         1.8s   377.90nm         6.3mb
SOC      85.17 313 iPd+  26 20.00  -0.2
         2.0s   250.00nm         6.1mb
                  e      29 46.00
                  e      36 36.00
                  e      36 53.00
BRW      85.50  19 eP    26 21.16  -0.2
KDC      85.57  32 eP    26 20.43  -1.4
         1.7s   199.09nm         6.1mb
IMA      85.86  24 eP    26 23.59   0.2
         1.3s    87.73nm         5.8mb
CRP      06.04  29 eP    26 23.93  -0.5
SLKM     86.93  30 eP    26 28.00  -0.6
ANN      86.96 315 iPc   26 20.00  -1.0
         1.2s   120.00nm         6.0mb
                  e      29 58.00
                  e      37 04.00
                  ePS    38 26.00
MOS      87.11 326 eP    26 30.00   0.5
         2.0s   650.00nm         6.5mb
      Z  21s      5.00um         5.9Msz
      N  20s      4.30um
      E  20s      4.90um
                  eS     37 07.00
PMS      87.29  29 eP    26 29.00  -0.6
         1.5s    90.90nm         5.8mb
PMR      87.52  29 eP    26 30.65  -0.7
         1.4s    57.32nm         5.7mb
      Z  20s      1.51um         5.4Msz
OBN      87.68 325 ePd+  26 30.00  -2.2
         1.6s   280.00nm         6.3mb
      Z  20s      5.00um         5.9Msz
      N  18s      2.40um
      E  20s      3.60um
                  e      30 04.00
                  ePPP   31 52.00
                  e      37 08.00
KVT      87.82 311 iP    26 34.20   0.9
HRI      88.03 303 eP    26 33.60  -1.0
BHL      88.10 304 P     26 32.00  -2.9X
                  PP     30 04.00
                  S      37 20.00
FBA      88.22  25 eP    26 33.50  -1.2
         0.8s     9.50nm         5.2mb
PMO      88.36 105 eP    26 40.00   3.8X
         1.4s   150.00nm         6.1mb
ATZ      88.43 303 eP    26 35.40  -1.0
VAH      88.62 105 eP    26 41.00   3.5X
         1.4s   120.00nm         6.0mb
TPT      88.63 105 eP    26 42.00   4.5X
         1.4s   200.00nm         6.2mb
MBH      88.78 300 eP    26 36.70  -1.5
RUV      88.86 105 eP    26 42.00   3.4X
         1.4s   185.00nm         6.2mb
TOA      88.93  28 eP    26 37.60  -0.6
KLU      89.05  29 eP    26 37.89  -0.9
SIM      89.22 315 eP    26 40.00   0.1
      Z  24s      4.20um         5.8MszX
                  e      30 14.00
                  ePPP   32 14.00
                  eS     37 28.00
                  ePS    38 38.00
APA      89.30 337 eP    26 41.80   2.0
CSS      90.01 305 eP    26 43.60  -0.2
BALM     90.79  29 eP    26 46.91  -0.1
                  ePP    30 22.58
PPCY     90.82 305 eP    26 46.00  -1.5
SPA      91.08 180 iPd   26 50.90   2.7
         1.2s    90.85nm         6.0mb
      Z  18s      2.62um         5.7Msz
                  i      30 35.70
KEV      91.45 340 eP    26 49.00  -0.7
      Z  18s      4.10um         5.9Msz
                  e      30 32.00
                  e      34 13.00
                  e      39 04.00
                  e      44 02.00
                  LR     15 30.00
HLW      91.85 300 eP    26 52.00  -0.4
KAF      92.70 332 iP    26 53.80  -1.8
         0.7s     9.10nm         5.3mb
KIS      92.78 317 eP    26 55.00  -1.3
                  e      30 42.00
                  e      38 02.00
MNK      92.98 324 eP    26 55.00  -2.0
      Z  20s      4.40um         5.9Msz
      E  20s      5.04um
                  e      30 42.00
                  ePPP   32 44.00
                  eS     38 00.00
                  ePS    39 16.00
                  eSS    44 28.00
NUR      93.72 331 iP    27 02.20   1.9
         0.6s     2.20nm         4.8mb X
      Z  19s      4.90um         6.0Msz
                  e      30 50.00
                  e      44 22.00
                  e      48 00.00
                  LR     14 50.00
VRI      94.36 316 ePc   27 03.00  -0.6
KRI      94.59 253 iPd   27 05.00  -0.4
                  i      28 47.30 446kmX
CVO      94.75 316 eP    27 07.50   2.1
SIT      94.85  33 eP    27 06.25   0.7
         1.3s    57.93nm         5.8mb
      Z  21s      1.92um         5.5Msz
MLR      94.95 316 ePd   27 06.00  -0.5
                  e      30 53.00
BUC1     95.02 315 ePd   26 54.00 -12.6X
MBC      95.09  12 eP    27 06.50   0.1
         1.1s     6.00nm         4.9mb
BUL      95.51 250 iPc   27 08.90  -0.6
         1.0s    30.00nm         5.7mb
                  i      28 51.00 445kmX
LVV      95.67 320 eP    27 09.00  -0.5
      Z  20s      5.10um         6.0Msz
      N  18s      1.60um
      E  20s      6.00um
                  e      31 07.00
                  e      37 43.00
                  e      38 33.00
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10d 02h

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LSZ     95.98 255 iPc     27 11.00  -0.7
TNR     96.09 316 ePc     27 14.00   2.4
UZH     96.98 319 iPc     27 16.00   0.6
        1.0s     90.00nm          6.3mb
     Z  20s     4.00um           5.9Msz
     E  20s     5.00um
                i       27 20.20  13kmX
                e       31 10.00
                ePPP    33 20.00
                eS      38 40.00
                e       40 00.00
                eSS     45 15.00
UPP     97.28 331 iP      27 16.00  -0.5
                i       31 02.00
VAY     97.93 312 iP      27 17.70  -2.2
OJC     98.29 321 eP      27 20.50  -0.8
        1.4s     72.00nm          6.0mb
     Z  18s     2.60um           5.8Msz
     E  18s     3.60um
                e       27 23.00   8kmX
                e       30 24.00
                i       31 24.00
SKO     98.67 313 iP      27 25.50   2.3
     Z  20s     1.87um           5.6Msz
                i       31 15.20
                i       33 30.00
                i       40 21.00
                i       41 40.00
                i       48 29.00
                i       52 03.00
                LR      18 56.00
PSZ     98.69 319 ePd     27 25.70   2.4
MFS     99.10 332 eP      27 23.50  -1.3
        0.5s     0.70nm           4.4mb X
     Z  18s     7.24um           6.2Msz
                LR      07 24.00
UZD     99.83 318 e(P)    27 28.00  -0.4
NB2     99.95 333 P       27 24.60  -4.1X
        0.8s     1.70nm           4.6mb X
KSP    100.32 322 ePdiff27 30.60   0.0
                e       29 08.70
                e       31 42.40
ZST    100.46 319 e(Pdif27 32.70   1.5
                e       31 46.40
                e       43 24.30
PRU    101.63 322 ePdiff27 36.00  -0.4
     Z  20s     3.50um           5.9Msz
     N  23s     2.30um
     E  21s     3.10um
                e       31 11.00
                e       31 34.00
                PP      31 47.00
                eSKKS   38 38.00
BRG    101.75 323 ePdiff27 36.60  -0.3
        1.4s     36.00nm          5.8mb
     Z  20s     3.50um           5.9Msz
     N  20s     2.50um
     E  20s     2.50um
                e       27 40.30
                e       29 18.30
                e       42 08.00
CLL    102.19 323 ePdiff27 38.00  -0.8
        1.7s     30.00nm          5.7mb
     Z  20s     3.00um           5.8Msz
VBY    102.33 317 ePdiff27 43.60   4.0X
                ePP     31 56.50
KMR    102.42 320 iPdiff27 43.70   3.8X
                i       31 59.00
KHC    102.47 321 ePdiff27 43.90   3.7X
        1.0s     3.50nm           5.0mb
     Z  20s     3.90um           5.9Msz
     N  20s     1.60um
     E  20s     4.60um
                e       31 42.00
                PP      31 54.00
GEC2   102.47 321 Pdiff 27 36.40  -3.9X
        1.1s     1.63nm           4.6mb X
LJU    102.69 318 e(Pdif27 44.50   3.3X
                ePP.    31 44.00
                e       38 38.00
CEY    102.84 317 e(Pdif27 41.50  -0.4
YKA    102.98  24 ePdiff27 41.50  -0.6
        1.2s     2.60nm           4.8mb X
VOY    103.12 318 ePdiff27 46.50   3.3X
                e       31 27.80
MOX    103.23 323 iPdiff27 44.00   0.5
        1.6s     20.00nm          5.6mb
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     Z  19s     2.60um           5.8Msz
     N  19s     1.90um
     E  19s     1.60um
                e       31 48.30
                eSKS    38 39.00
TRI    103.29 318 e(Pdif27 44.00   0.1
                e(PP)   32 00.00
                e(SP)   41 12.00
GRF    103.77 322 iPdiff27 46.60   0.7
        1.6s     18.00nm          5.6mb
BCAO   105.42 275 iPdiff27 57.10   3.0X
        0.8s     14.00nm          6.0mb
                ic      31 20.00
                id      32 12.00
FIR    105.55 316 ePKP    32 21.00  13.6X
DBN    106.46 326 ePKP    32 21.00  12.2X
     Z  18s     3.70um           6.0Msz
                ePS     41 45.00
                ePPS    42 40.00
                eSS     47 30.00
CDF    106.65 322 ePKP    32 25.60  16.1X
        1.7s     45.60nm
BSF    107.16 321 ePKP    32 29.20  18.7X
        1.5s     63.70nm
GDH    109.78 359 ePdiff28 10.00  -2.2X
                e       39 09.00
                e       41 20.00
SES    110.57  34 ePKP    32 17.00   0.2
ISA    111.36  51 PKP     32 30.00  11.2X
     Z  21s     1.56um           5.6Msz
HVU    113.35  43 ePKP    32 23.24   0.7
DUG    113.96  45 ePKP    32 24.63   0.8
EMUT   115.52  44 ePKP    32 27.47   0.6
GOL    119.30  42 ePKP    32 34.87   0.7
     Z  20s     0.72um           5.3Msz
ALO    120.75  48 ePKP    32 37.80   0.9
     Z  20s     0.23um           4.8Msz
MEO    126.47  44 iPKPc 32 48.50   0.7
OCO    126.82  43 e(PKP)32 50.50   2.1X
FNO    127.02  43 iPKPc 32 49.10   0.3
FKO    127.03  43 iPKPc 32 49.40   0.6
SIO    127.48  42 ePKP    32 49.80   0.2
TUL    127.73  41 ePKP    32 50.60   0.5
        1.8s     113.30nm
                e       34 51.00
LNO    127.73  41 ePKP    32 50.50   0.6
RLO    128.08  40 ePKP    32 50.40  -0.3
VVO    128.10  42 ePKP    32 50.40  -0.4
EEO    128.30  20 ePKP    32 52.00   1.2
KIC    128.39 279 PKP     32 51.80  -0.2
TIC    128.63 279 PKP     32 53.00   0.6
LIC    128.69 279 PKP     32 52.40  -0.1
CCM    129.22  36 PKP     33 00.00   7.2X
     Z  22s     1.16um           5.5Msz
SLM    129.42  35 PKP     33 00.00   6.8X
     Z  19s     1.51um           5.7Msz
FVM    129.75  36 ePKP    32 54.37   0.5X
     Z  19s     3.43um           6.1Msz
LMN    132.61   8 ePKP    33 02.50   3.5X
MCWV   133.91  26 PKP     33 10.00   8.3X
     Z  21s     1.81um           5.8Msz
HRV    134.37  16 (PKP) 33 04.00   1.5
     Z  22s     2.70um           5.9Msz
TBR    134.80  20 (PKP) 33 04.31   1.0
PNJ    135.03  20 e(PKP)33 01.50  -2.2X
TKL    135.15  33 ePKP    33 00.54  -3.7X
NAV    135.38  29 ePKP    33 05.32   0.7
CVL    135.90  26 ePKP    33 06.98   1.5
CBN    136.18  25 ePKP    33 05.00  -1.0
                e       35 45.00
PRM    137.09  33 ePKP    32 58.08  -9.8X
CEH    137.34  28 ePKP    32 58.70  -9.6X
     Z  22s     1.56um           5.7Msz
JSC    137.53  32 ePKP    33 02.69  -6.1X
PEL    145.22 158 ePKPc 33 21.50  -0.9
        1.2s     195.31nm
LPA    146.30 177 ePKP-  33 24.00  -0.1
     Z  20s     5.67um           6.3Msz
RTBS   147.00 158 iPKPc 33 28.80   3.5X
RTCB   147.40 159 iPKPc 33 29.20   3.1X
CFA    147.48 160 e(PKP)33 25.30  -0.9
RTLL   147.65 160 e(PKP)33 26.00  -0.5
ARE    158.34 136 ePKP    33 38.00  -4.2X
PPD    158.70 192 ePKP    33 45.70   3.6X
PDCR   159.84 235 ePKP    33 43.20  -0.3
                e       33 48.20
CNCB   160.37 143 PKP     33 48.00   3.3X
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                i       34 29.00
LPB    160.51 143 PKP     33 48.00   3.4X
     Z  20s     2.13um
                i       34 33.00
                PP      38 09.00
                LR      30 40.00
ZOBO   160.68 142 PKP     33 47.10   2.0
        1.1s     25.52nm
     Z  23s     1.31um           5.5Msz
                LR      31 08.00
CCH    160.93 149 PKP     33 47.70   2.8X
                i       34 31.10
BOG    161.00  73 ePKP    33 50.00   4.9X
BMG    161.05  64 ePKP    33 47.00   2.1X
SDV    162.30  56 ePKP    33 46.00  -0.2
     S.D. = 1.2  on 228 of 294 obs.
---------------------------------------
& JUN 10, 1992  02h 15m 07.92s
  34.171 N            116.314 W
  DEPTH =   1.0km
 SOUTHERN CALIFORNIA              ( 43)
     <PAS-P>. MD 2.5 (PAS).

PEC       0.76 249 eP     15 22.22  -0.8
                   eS     15 32.52
PLM       0.93 209 iP     15 25.54  -1.0
                   eS     15 38.45
SSK       1.14 272 eP     15 29.36  -0.9
                   iS     15 45.66
GLA       1.67 132 ePn    15 38.50   0.0
                   eS     16 02.67
ISA       2.32 311 ePn    15 46.77  -1.1
          5 obs. associated
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& JUN 10, 1992  02h 22m 55.50s
  59.720 N            153.509 W
  DEPTH = 124.8km
 SOUTHERN ALASKA                  (  2)
     <AEIC>.

AUL       0.34 174 eP     23 12.80   1.0
PDB       0.35 281 eP     23 12.55  -0.9
                   eS     23 25.52
AUH       0.36 175 eP     23 13.09  -0.5
AUP       0.36 173 eP     23 13.09  -0.5
AUE       0.37 169 eP     23 12.79  -0.7
AUI       0.39 174 eP     23 12.83  -0.8
                   eS     23 25.76
INW       0.40  28 eP     23 12.91  -0.9
                   eS     23 26.50
INE       0.41  33 eP     23 13.14  -0.8
MCNL      0.68 219 eP     23 14.61  -0.9
RED       0.79  27 eP     23 15.68  -0.8
                   eS     23 31.25
CDD       0.80 185 iP     23 15.51  -0.9
                   eS     23 30.95
RS1       0.83  27 eP     23 16.47  -0.5
                   eS     23 32.10
RS2       0.84  26 eP     23 16.50  -0.5
                   eS     23 32.38
RSO       0.84  27 eP     23 16.49  -0.5
                   eS     23 32.11
REF       0.87  27 eP     23 16.66  -0.6
                   eS     23 32.70
HOM       0.95  93 eP     23 16.80  -0.9
DFR       0.97  25 eP     23 17.18  -0.9
                   eS     23 34.25
RDT       1.02  32 eP     23 17.79  -0.7
                   eS     23 34.29
NNL       1.16  73 eP     23 19.83   0.0
CNPM      1.17  99 eP     23 18.73  -1.3
                   eS     23 37.01
SYI       1.25 152 eP     23 19.91  -0.9
BKG       1.49  24 eP     23 23.18  -0.4
                   eS     23 44.02
CKL       1.59  21 eP     23 24.44  -0.4
                   eS     23 46.40
SPU       1.63  26 eP     23 25.64   0.4
BGL       1.64  19 eP     23 25.33  -0.1
CKN       1.65  23 eP     23 25.52   0.2
SVW       1.74 324 eP     23 25.69  -0.8
NCG       1.82  21 eP     23 27.07  -0.4
SLKM      1.83  63 eP     23 26.87  -0.7
KDC       2.05 165 eP     23 28.03  -2.2
SEW       2.08  78 eP     23 29.45  -1.2
SUA       2.22  37 iP     23 32.42  -0.1
SKT       2.47  22 eP     23 32.53  -3.1
```

PMS 2.48 50 eP 23 35.25 -0.6
PWA 2.63 41 eP 23 37.40 -0.3
PLRM 2.86 47 eP 23 39.28 -1.4
KNK 3.02 54 eP 23 41.42 -1.4
GHO 3.05 46 eP 23 41.94 -1.4
CUT 3.12 29 eP 23 42.99 -1.2
SML 3.29 48 eP 23 44.32 -2.2
HIN 3.58 76 eP 23 48.04 -2.3
VLZ 3.83 65 eP 23 51.92 -1.7
42 obs. associated

• JUN 10, 1992 02h 37m 01.29± 1.29s
38.623 N ±20.1km 90.147 E ±14.6km
DEPTH = 10.0km (geophysicist)
4.4mb (5 obs.)
SOUTHERN XINJIANG, CHINA (321)

WMQ 5.51 341 ePn 38 27.00 1.5
Pg 38 41.60
Sn 39 28.20
GTA 7.57 81 Pn 38 55.50 1.1
LZH 11.19 99 eP 39 45.00 0.5
1.0s 13.00nm 5.2mb
HHC 16.62 76 eP 40 54.00 -2.0
TIY 17.55 86 eP 41 10.50 2.9X
GYA 18.43 126 P 41 20.00 1.4
SSE 26.47 97 Pc 42 39.00 -1.2
1.4s 30.00nm 4.8mb
HFS 50.95 321 eP 46 04.00 -0.5
0.5s 3.00nm 4.5mb
NB2 51.96 323 P 46 11.20 -1.1
0.5s 1.10nm 4.0mb
MBC 63.87 8 eP 47 36.50 0.8
YKA 77.27 11 eP 48 56.50 -0.5
0.8s 1.00nm 4.0mb
S.D. = 1.4 on 10 of 11 obs.

& JUN 10, 1992 02h 55m 04.04s
66.033 N 150.660 W
DEPTH = 20.3km
NORTHERN ALASKA (676)
<AEIC>. ML 2.9 (AEIC), 3.0
(PMR).

MLY 1.01 182 eP 55 21.66 -1.0
S 55 36.18
IMA 1.23 273 iPc 55 24.41 -1.9
iS 55 42.90
NEA 1.61 155 eP 55 32.19 0.7
eS 55 51.72
FBA 1.65 132 iP 55 31.87 -0.3
GLM 1.72 126 eP 55 33.18 0.0
eS 55 53.96
CCB 1.84 138 eP 55 35.07 0.3
eS 55 58.85
WRH 1.91 144 eP 55 35.97 0.2
eS 56 01.22
BWN 1.94 164 eP 55 34.99 -1.3
FYU 2.26 74 eP 55 40.23 -0.6
HDA 2.26 135 eP 55 40.64 -0.3
MCK 2.42 162 eP 55 42.62 -0.6
KTH 2.49 183 eP 55 44.17 -0.1
DDM 3.04 136 P 55 52.20 0.1
CUT 3.65 177 P 56 01.10 0.5
TTA 3.88 219 ePn 56 00.81 -3.1
eS 57 07.15
TOA 4.41 151 eP 56 15.10 3.7
PMR 4.51 171 (P) 56 15.47 2.7
PMS 4.83 174 eP 56 21.00 3.6
KLU 5.02 153 (P) 56 23.20 3.1
YKA 15.90 86 eP 58 47.00 -0.8
0.4s 0.10nm 2.3mb X
20 obs. associated

& JUN 10, 1992 03h 16m 48.13s
38.218 N 119.299 W
DEPTH = 9.4km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 2.7 (GM).

BONR 0.83 108 eP 17 02.96 -1.5
eS 17 15.92
TNP 1.65 94 eP 17 17.38 -0.1
ARN 1.97 245 eP 17 23.26 1.2
ORV 2.18 309 (P) 17 26.11 1.1
PHAM 2.54 201 (P) 17 29.64 -0.4
ISA 2.63 165 ePn 17 29.59 -2.0
iS 18 10.39
6 obs. associated

JUN 10, 1992 03h 45m 35.11± 1.23s
32.926 S ± 8.0km 70.373 W ±10.1km
DEPTH = 98.7 ± 15.2 km
CHILE-ARGENTINA BORDER REGION (127)
MD 3.8 (SAN).

JACH 0.31 323 iPd 45 49.60 -0.3
iS 46 01.10
PEL 0.34 230 iPd 45 50.00 0.0
iS 46 01.50
FCH 0.41 170 iPd 45 50.70 -0.1
iS 46 03.10
ROCH 0.54 265 iPc 45 51.40 -0.1
iS 46 04.00
SAN 0.58 205 iPd 45 51.70 0.1
iS 46 04.40
PCH 0.70 190 iPd 45 52.90 0.1
iS 46 06.60
TACH 0.87 213 iPd 45 54.40 0.1
iS 46 09.70
CHCH 1.03 193 iPc 45 56.40 0.3
iS 46 13.10
LCCH 1.14 241 iPc 45 57.40 0.1
iS 46 14.40
LNV 1.34 220 iPd 45 59.40 -0.3
iS 46 17.90
RTBS 1.48 32 ePc 46 02.20 0.8
S 46 22.70
RTCB 1.96 43 iPd 46 07.90 0.2
S 46 32.50
CFA 2.24 55 ePd 46 10.50 -0.8
S.D. = 0.4 on 13 of 13 obs.

JUN 10, 1992 04h 28m 40.44± 0.52s
41.849 N ± 4.7km 19.594 E ± 4.3km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 2.9 (TIR), 2.3 (TTG).

SDA 0.18 337 iPgc 28 45.50 1.0
iSg 28 50.00
ULC 0.28 294 iPgc 28 46.64 0.3
iSg 28 51.26
TIR 0.54 158 ePg 28 51.40 0.0
TTG 0.63 337 iPgc 28 52.45 -0.6
iSg 29 02.08
KKS 0.65 69 ePg 28 53.50 0.1
PHP 0.65 104 ePg 28 53.50 0.1
BDV 0.72 308 iPgd 28 54.21 -0.4
iSg 29 04.85
PVY 0.80 21 iPgc 28 55.43 -0.6
iSg 29 07.45
HCY 1.01 307 iPgd 28 59.05 -0.5
iSg 29 14.28
IVA 1.05 12 iPgd 29 00.16 -0.1
iSg 29 15.41
NKY 1.06 336 iPgc 29 00.39 -0.1
iSg 29 15.90
BRY 1.31 324 iPgc 29 05.01 0.3
iSg 29 24.03
PLE 1.49 354 iPgc 29 07.85 0.5
iSg 29 29.39
S.D. = 0.5 on 13 of 13 obs.

• JUN 10, 1992 05h 50m 02.63± 0.93s
1.301 N ±13.2km 124.371 E ±15.5km
DEPTH = 33.0km (normal)
4.1mb (5 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 5.04 244 ePc 51 17.80 -0.1
0.7s 2.50nm 3.8mb
e 55 23.00
WB2 23.27 156 iPd 55 08.40 0.0
0.8s 10.80nm 4.4mb
ASPA 26.49 160 eP 55 39.10 0.1
1.1s 6.40nm 4.1mb
CHTO 30.40 307 eP 56 15.80 1.5
0.8s 1.46nm 3.8mb
LZH 39.50 333 eP 57 34.50 2.3X
1.2s 27.00nm 4.9mb
pP 57 39.00 15kmX
GUN 45.33 309 P 58 19.00 -1.1
PKI 45.54 309 P 58 23.60 1.9X
KKN 45.74 309 P 58 22.90 -0.2
DMN 45.79 308 P 58 23.40 -0.2
GKN 46.34 309 P 58 23.40 -4.4X
S.D. = 0.9 on 7 of 10 obs.

JUN 10, 1992 06h 05m 40.50± 0.79s
43.420 N ± 5.5km 5.450 E ± 6.2km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.5 (STR).

GELF 0.04 204 Pg 05 41.23 -1.4
BERF 0.21 121 Pg 05 44.80 -0.2
TREF 0.21 347 Pg 05 44.12 -1.0
PUYF 0.21 58 Pg 05 44.25 -0.9
CDR 0.34 42 ePgd 05 45.50 -2.1
e(Sg) 05 50.70
PRAF 0.43 332 Pg 05 49.12 -0.3
VILF 0.47 24 Pg 05 49.88 -0.3
TAVF 0.48 66 Pg 05 49.76 -0.6
S.D. = 0.8 on 8 of 8 obs.

? JUN 10, 1992 07h 40m 05.51± 2.91s
6.221 S ±23.1km 147.785 E ±29.7km
DEPTH = 62.6 ± 12.4 km
4.5mb (3 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.40 170 iPc 40 16.20 -0.6
LAT 0.89 241 iPc 40 22.60 0.1
MDG 2.22 296 eP 40 40.90 0.3
PMG 3.23 191 iPd 40 56.00 1.1
MNDI 4.10 271 eP 41 12.80 5.4X
RAB 4.81 65 eP 41 20.00 2.8X
WWKK 4.88 302 eP 40 37.10 -41.2X
WB2 18.88 222 iPd 44 21.60 -2.1
0.3s 10.30nm 4.5mb
ASPA 21.89 216 iPd 44 55.60 0.6
0.3s 13.60nm 4.8mb
WARB 28.30 223 eP 45 56.00 0.6
0.4s 2.00nm 4.1mb
S.D. = 1.5 on 7 of 10 obs.

? JUN 10, 1992 07h 44m 30.30± 4.37s
39.121 N ±14.7km 26.111 E ±41.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EZN 0.72 13 iPg 44 44.50 0.0
iSg 44 54.70
IZM 1.15 128 iPn 44 51.90 0.0
KCT 1.62 34 ePn 44 59.00 0.1
BNT 1.86 48 iPn 45 02.20 -0.3
KCT 2.07 56 ePn 45 05.70 0.2
S.D. = 0.3 on 5 of 5 obs.

? JUN 10, 1992 07h 46m 47.73± 5.86s
34.847 S ±44.5km 68.616 W ±25.9km
DEPTH = 10.0km (geophysicist)
MENDOZA PROVINCE, ARGENTINA (139)
MD 4.2 (SAN).

CHCH 1.92 298 iPd 47 19.80 -1.0
(S) 47 39.80
PCH 1.99 307 iPd 47 20.90 -1.0
iS 47 43.30
FCH 2.06 317 iPd 47 21.80 -1.3
iS 47 44.60
SAN 2.19 309 iPd 47 24.30 -0.5
iS 47 48.50
TACH 2.26 301 iPd 47 25.70 -0.1
PEL 2.42 314 iPd 47 28.10 0.1
iS 47 55.00
LNV 2.48 290 iPd 47 29.40 0.7
iS 47 57.40
JACH 2.72 322 iP 47 33.80 1.5
iS 48 04.10
ROCH 2.73 313 iPd 47 32.90 0.2
iS 48 04.70
LCCH 2.81 298 iPd 47 34.50 1.0
iS 48 06.00
IHA 3.10 305 (P) 47 40.40 2.8X
(S) 48 28.00
CFA 3.25 6 ePd 47 39.90 0.1
S 48 28.20
RTBS 3.25 347 iPd 47 40.70 0.9
S 48 18.00

10d 07h

ZON 3.29 359 eP 47 40.50 0.1
eS 48 26.50
RTCB 3.36 357 eP 47 41.00 -0.4
RTLL 3.51 2 ePd 47 42.90 -0.6
S 48 31.50
S.D. = 0.9 on 15 of 16 obs.

% JUN 10, 1992 07h 53m 01.04± 1.07s
39.059 N ± 9.8km 27.413 E ±25.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.67 190 iPg 53 14.40 0.0
eSg 53 24.40
EDC 1.33 15 ePn 53 25.50 -0.1
BNT 1.35 17 iPn 53 26.20 0.3
KCT 1.39 31 iPn 53 26.20 -0.3
IZI 2.04 51 ePn 53 36.00 0.1
S.D. = 0.3 on 5 of 5 obs.

• JUN 10, 1992 09h 27m 13.53± 0.50s
1.121 N ±10.5km 124.218 E ±10.7km
DEPTH = 22.7km (3 depth phases)
4.8mb (8 obs.) 4.3Msz (1 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 4.82 245 e(P)c 28 33.10 6.5X
1.0s 11.90nm
CGP 7.30 4 eP 28 51.00 -10.5X
BIP 7.34 16 ePd 29 06.00 3.9X
KKM 9.36 302 eP 29 33.00 2.7
WB2 23.17 155 iPc 32 19.70 0.1
0.5s 22.70nm 5.0mb
IPM 23.41 279 eP 32 25.80 3.8X
GUMO 23.90 58 eP 32 27.00 0.3
SNG 24.29 285 eP 32 31.00 0.6
OIS 26.29 146 eP 32 50.00 0.6
0.6s 25.00nm 5.0mb
ASPA 26.38 160 iPd 32 50.00 -0.2
0.8s 13.90nm 4.6mb
eS 37 26.90
CHG 30.39 307 eP 33 27.00 0.5
CHTO 30.39 307 eP 33 27.30 0.9
0.9s 6.18nm 4.4mb
pP 33 34.20 24km
KMI 31.62 321 Pc 33 40.00 2.6X
2.0s 50.00nm 5.1mb
pP 33 46.00 21km
STK 36.72 155 eP 34 21.30 0.3
0.7s 3.60nm 4.3mb
MAT 37.55 19 eP 34 28.00 0.1
eS 40 29.00
LZH 39.59 334 eP 34 46.00 0.8
1.2s 37.00nm 5.0mb
Z 20s 0.49um 4.3Msz
N 14s 1.03um
E 15s 0.84um
pP 34 53.00 24km
GUN 45.33 309 P 35 31.20 -1.1
PKI 45.53 309 P 35 32.70 -1.2
KKN 45.73 309 P 35 34.40 -1.0
DMN 45.78 309 P 35 35.00 -0.8
GKN 46.33 309 P 35 39.00 -1.1
HYB 47.71 293 eP 35 49.50 -1.4
YKA 102.89 24 ePdiff41 13.00 2.1X
0.7s 0.20nm 3.9mb
S.D. = 1.1 on 17 of 23 obs.

JUN 10, 1992 09h 31m 49.75± 0.33s
1.119 N ± 5.7km 124.128 E ± 5.9km
DEPTH = 23.7km (2 depth phases)
4.9mb (11 obs.) 4.4Msz (2 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 4.74 245 ePd 33 02.10 0.5
eS 33 32.50
e 40 24.00
TSM 7.00 297 ePd 33 33.70 0.3
CGP 7.31 4 eP 33 33.00 -4.8X
BIP 7.37 17 ePd 33 38.50 -0.1
eS 35 11.50
KKM 9.29 302 eP 34 07.00 1.6
KNA 17.38 165 eP 35 52.40 0.0
KGM 20.82 273 ePc 36 32.50 0.2
MBL 22.54 191 eP 36 49.00 -0.5
QIZ 22.65 323 eP 36 49.00 -1.6
N 15s 2.38um

WB2 23.21 155 iPd 36 56.00 -0.1
0.7s 34.20nm 5.0mb
IPM 23.32 279 ePc 36 59.00 1.8
LAT 24.10 109 eP 37 06.70 2.0
SNG 24.20 285 eP 37 07.00 1.3
eS 41 32.50
PMG 25.21 115 eP 37 16.00 0.6
OIS 26.34 146 eP 37 24.50 -1.4
0.7s 72.00nm 5.4mb
NST 27.74 303 eP 37 38.00 -0.7
RAB 28.51 101 e(P) 37 46.00 0.2
KHT 28.65 300 eP 37 46.50 -0.5
SSE 29.94 355 eP 38 00.00 1.6
Z 20s 0.46um 4.1Msz
N 10s 0.22um
GYA 30.28 328 P 38 02.00 0.4
CHG 30.32 307 eP 38 03.60 1.7
1.0s 21.00nm 4.9mb
CHTO 30.32 307 iP 38 03.70 1.8
1.0s 19.50nm 4.9mb
pP 38 09.70 21km
CD2 35.36 329 P 38 45.00 -0.7
XAN 35.71 338 Pc 38 47.90 -0.7
1.0s 14.00nm 4.8mb
N 14s 0.69um
STK 36.76 155 eP 38 56.30 -1.1
0.6s 4.40nm 4.5mb
MAT 37.58 19 eP 39 02.00 -2.3
eS 44 55.00
TIY 37.97 345 eP 39 07.80 0.2
ADE 38.41 161 e(P) 39 15.00 3.7X
CMS 38.41 149 eP 39 12.00 0.7
BJI 39.41 350 eP 39 21.50 2.0
Z 28s 0.33um 4.0MszX
LZH 39.56 334 eP 39 21.50 0.5
1.2s 43.00nm 5.0mb
Z 18s 0.78um 4.6Msz
N 14s 0.75um
pP 39 34.00 46kmX
ARMA 40.86 142 iPc 39 34.90 3.2X
0.8s 20.00nm 4.9mb
BTO 41.33 344 eP 39 35.00 -0.5
GTA 44.10 333 eP 39 58.00 -0.1
1.0s 9.00nm 4.6mb
pP 40 06.00 27km
sP 40 09.50
GUN 45.26 310 P 40 05.80 -2.1
PKI 45.46 309 P 40 08.40 -1.1
KKN 45.66 309 P 40 09.60 -1.3
KUSJ 45.67 21 eP 40 10.00 -0.4
DMN 45.71 309 P 40 10.20 -1.2
ASAJ 45.87 19 eP 40 11.80 -0.2
GKN 46.27 309 P 40 14.50 -1.1
HYB 47.63 293 eP 40 25.50 -0.9
WMQ 53.44 328 P 41 11.20 1.0
sP 41 26.20
MAIO 69.06 309 eP 42 54.00 -2.1
TTA 84.39 27 (P) 44 23.09 1.7
1.1s 7.15nm 4.8mb
BRW 85.46 19 eP 44 27.21 0.8
YKA 102.93 24 ePdiff45 47.20 0.1
0.4s 0.10nm 3.9mb
GOL 119.25 42 ePKP 50 39.00 -0.4
CNCB 160.37 143 ePKP 51 50.00 0.0
LPB 160.52 142 ePKP 51 53.00 3.0X
ZOBO 160.68 142 PKP 51 57.10 6.7X
S.D. = 1.2 on 46 of 51 obs.

• JUN 10, 1992 09h 43m 35.96± 0.51s
22.829 S ±12.7km 174.872 W ± 8.0km
DEPTH = 39.2km (2 depth phases)
5.1mb (21 obs.)
TONGA ISLANDS REGION (174)

SVA 7.81 306 eP 45 31.10 1.0
VUN 7.88 306 ePd 45 31.60 0.6
AFI 9.34 19 eP 45 50.00 -1.3
BKM 16.65 285 iPc 47 33.50 5.4X
DZM 17.29 269 iPc 47 39.10 2.9X
ARMA 30.80 249 eP 49 51.00 0.5
0.8s 14.00nm 4.8mb
RMQ 33.19 256 eP 50 11.00 -0.3
CMS 35.86 247 eP 50 33.00 -1.1
0.9s 11.00nm 4.8mb
CTA 36.21 267 P 50 37.59 0.3
STK 39.49 247 eP 51 05.30 0.7
1.2s 2.40nm 3.9mb X

ASPA 46.86 258 iPc 52 02.50 -1.9
1.2s 26.80nm 5.1mb
WB2 47.18 263 iPd 52 04.40 -2.6
0.6s 10.70nm 5.0mb
WRA 47.19 263 P 52 04.90 -2.2
SPA 67.31 180 iPc 54 42.20 13.3X
1.1s 18.45nm
KUSJ 75.41 331 eP 55 15.90 -1.5
ASAJ 77.15 330 eP 55 27.30 0.2
PLM 78.58 46 eP 55 36.91 1.4
ORV 79.58 39 eP 55 40.73 0.2
MAW 80.35 199 e(P) 55 50.00 5.8X
1.0s 8.00nm 4.6mb
BONR 80.47 42 eP 55 45.43 -0.3
ARUT 83.44 44 eP 56 01.41 0.4
SHW 83.60 34 eP 56 02.60 1.0
MDJ 84.10 324 eP 56 04.20 0.3
1.0s 17.00nm 5.1mb
RMW 84.67 33 eP 56 06.24 -0.6
MSU 84.68 44 eP 56 06.95 -0.4
MCW 84.99 32 (P) 56 09.53 1.1
SLKM 85.43 12 (P) 56 08.31 -2.0
CN2 85.92 321 Pd 56 13.80 0.7
1.2s 19.00nm 5.2mb
SRU 86.08 45 eP 56 13.46 -0.8
DAU 86.33 43 eP 56 17.83 2.2
IPM 86.34 276 ePc 56 16.50 0.7
0.5s 20.70nm 5.6mb
ALQ 86.62 50 eP 56 17.11 0.1
1.0s 7.35nm 4.9mb
PV10 86.65 46 eP 56 18.50 1.3
TTA 86.77 9 eP 56 16.41 -0.5
1.2s 16.89nm 5.1mb
TIA 86.99 311 eP 56 18.60 0.1
PNT 87.00 33 eP 56 17.00 -1.2
0.9s 14.00nm 5.2mb
HPI 87.09 40 (P) 56 24.47 5.3X
NEW 87.60 34 (P) 56 21.50 0.3
0.9s 5.26nm 4.8mb
SNG 87.73 279 eP 56 24.80 2.4
BJI 89.59 314 eP 56 31.00 0.2
2.0s 99.00nm 5.8mb
FBA 89.92 11 eP 56 29.95 -1.8
0.9s 13.16nm 5.2mb
IMA 90.07 8 eP 56 31.12 -1.6
1.0s 3.59nm 4.6mb
TIY 90.99 311 eP 56 38.00 0.6
XAN 91.85 306 P 56 42.40 1.0
1.2s 26.00nm 5.5mb
SES 92.06 35 eP 56 41.00 -1.0
RSSD 92.84 43 P 56 47.50 1.5
1.5s 11.52nm 5.1mb
KMI 92.99 296 P 56 48.50 1.4
1.4s 70.00nm 5.9mb
pP 57 01.00 41km
HHC 93.06 313 P 56 47.00 0.1
1.2s 13.00nm 5.2mb
CHTO 93.76 289 eP 56 52.50 2.1
1.2s 13.89nm 5.3mb
pP 57 04.20 38km
LZH 96.49 306 eP 57 03.00 0.2
YKA 97.42 24 eP 57 04.80 -1.4
0.8s 0.80nm 4.3mb
EKA 146.96 9 PKP 03 16.00 2.5X
1.1s 6.70nm
KSP 150.71 345 ePKP 03 25.20 5.7X
e 03 37.60
CLL 150.92 350 ePKP 03 25.00 5.2X
1.2s 14.00nm
e 03 36.00
VRI 151.09 328 ePKPc 03 35.00 14.8X
BRG 151.17 348 ePKP 03 26.00 5.8X
1.3s 23.00nm
i 03 38.30
PRU 151.90 347 PKP 03 28.00 6.7X
KHC 152.91 348 ePKP 03 30.00 7.2X
1.1s 6.70nm
e 03 42.00
GEC2 153.16 347 PKP 03 26.20 2.9X
0.9s 0.91nm
S.D. = 1.2 on 46 of 59 obs.

JUN 10, 1992 10h 03m 53.19± 0.47s
1.186 N ± 8.1km 124.294 E ± 9.5km
DEPTH = 22.5km (4 depth phases)
4.8mb (12 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 4.92 245 ePd 05 10.30 2.7
0 9s 7.20nm
e 10 18.00
CGP 7.23 3 eP 05 44.00 3.8X
BIP 7.26 16 eP 05 45.00 4.4X
WWKK 19.90 104 eP 08 26.90 0.6
MBL 22.63 191 eP 08 52.50 -1.5
WB2 23.20 155 iPc 08 59.40 -0.2
1.0s 46.20nm 5.0mb
IPM 23.48 279 ePc 09 02.00 -0.3
0.9s 27.30nm 4.8mb
LAT 23.96 109 eP 09 10.90 3.9X
SNG 24.34 285 eP 09 11.00 0.3
OIS 26.30 146 eP 09 29.00 -0.2
0.5s 18.00nm 5.0mb
ASPA 26.41 160 iPd 09 29.50 -0.7
1.2s 22.90nm 4.7mb
NST 27.84 302 eP 09 43.00 -0.3
GYA 30.31 327 P 10 07.00 1.5
pP 10 13.40 22km
CHG 30.41 307 eP 10 07.00 0.7
1.0s 14.25nm 4.8mb
CHTO 30.41 307 iP 10 06.10 -0.2
1.0s 13.00nm 4.7mb
eS 15 16.00
WHN 30.68 343 eP 10 10.70 2.2
KMI 31.61 321 eP 10 18.00 0.9
1.0s 40.00nm 5.3mb
pP 10 25.00 24km
CD2 35.39 329 P 10 49.80 0.3
XAN 35.71 338 Pd 10 52.10 -0.1
1.2s 13.00nm 4.7mb
STK 36.75 155 eP 11 00.70 -0.2
0.5s 4.80nm 4.6mb
MAT 37.46 19 eP 11 05.00 -1.9
TIY 37.95 345 eP 11 12.30 1.2
LZH 39.57 334 eP 11 26.00 1.3
1.4s 41.00nm 5.0mb
pP 11 32.50 22km
ARMA 40.81 143 iPd 11 37.00 2.1
0.5s 8.00nm 4.7mb
GTA 44.12 333 eP 12 02.50 0.7
1.0s 9.00nm 4.6mb
pP 12 09.00 22km
GUN 45.34 309 P 12 10.80 -1.4
PKI 45.55 309 P 12 11.80 -2.0
KKN 45.75 309 P 12 13.60 -1.6
DMN 45.80 309 P 12 14.30 -1.4
GKN 46.35 309 P 12 18.60 -1.3
HYB 47.76 293 eP 12 30.00 -1.0
S.D. = 1.3 on 28 of 31 obs.

& JUN 10, 1992 10h 53m 28.03s
59.811 N 153.400 W
DEPTH = 121.0km
2.8mb (1 obs.)
SOUTHERN ALASKA (2)
<AEIC>.

INW 0.29 27 iPc 53 44.41 0.6
INE 0.30 34 iPc 53 44.62 0.7
PDB 0.40 267 iPc 53 44.73 -1.0
eS 53 57.53
AUL 0.43 182 iPc 53 45.28 -0.7
AUH 0.45 183 ePc 53 45.41 -0.7
AUP 0.45 181 ePc 53 45.39 -0.8
AUE 0.45 178 iPc 53 45.27 -0.8
AUI 0.48 182 ePc 53 45.40 -0.8
eS 53 58.65
RED 0.69 27 iPc 53 46.86 -0.9
eS 54 01.34
RS1 0.73 26 ePc 53 47.40 -0.8
iS 54 02.46
RS2 0.73 26 ePc 53 47.39 -0.8
eS 54 01.89
RSO 0.73 26 ePc 53 47.36 -0.9
eS 54 02.19
REF 0.76 27 ePc 53 47.66 -0.9
eS 54 02.96
MCNL 0.79 218 ePc 53 47.45 -1.0
eS 54 02.36
DFR 0.86 24 ePc 53 48.47 -0.8
eS 54 04.49
CDD 0.89 188 iPc 53 48.49 -1.0
eS 54 03.61
HOM 0.90 99 ePc 53 48.80 -0.7
eS 54 04.92
NNL 1.08 77 iPc 53 51.26 0.0
CNPM 1.13 104 iPc 53 50.57 -1.3
eS 54 07.80
BRLK 1.27 91 ePc 53 52.05 -1.3
eS 54 10.56
SYI 1.31 156 eP 53 52.70 -1.0
eS 54 11.20
BKG 1.38 24 iPd 53 54.01 -0.6
eS 54 13.82
CKL 1.49 20 iPd 53 55.27 -0.6
eS 54 16.45
SPU 1.53 25 ePd 53 55.43 -0.9
eS 54 17.55
BGL 1.54 18 ePd 53 56.07 -0.4
CKN 1.54 23 ePd 53 55.90 -0.5
CPKM 1.57 21 ePd 53 56.54 -0.4
eS 54 18.74
CGLM 1.65 24 iPd 53 57.10 -0.7
eS 54 19.31
SVW 1.70 321 P 53 57.40 -1.0
NCG 1.71 20 eP 53 58.15 -0.4
SLKM 1.74 65 eP 53 57.48 -1.3
SEW 2.01 80 eP 54 00.65 -1.4
SUA 2.11 37 ePd 54 02.80 -0.7
eS 54 30.04
KDC 2.12 167 P 54 03.20 -0.3
SKT 2.36 22 eP 54 05.90 -0.7
PMS 2.38 51 P 54 05.50 -1.4
S 54 33.70
PWA 2.53 42 P 54 08.60 -0.2
PLRM 2.76 48 eP 54 09.53 -2.2
eS 54 43.11
KNK 2.92 54 eP 54 11.59 -2.4
eS 54 45.33
GHO 2.95 46 eP 54 12.16 -2.2
eS 54 45.89
CUT 3.01 29 eP 54 13.78 -1.4
SML 3.19 49 eP 54 15.14 -2.5
HIN 3.50 77 eP 54 19.82 -2.0
SCM 3.60 53 eP 54 20.52 -2.6
MID 3.61 93 P 54 21.50 -1.6
HUR 3.66 28 eP 54 22.79 -1.0
VLZ 3.74 66 eP 54 22.30 -2.6
eS 55 03.66
CVA 3.89 76 eP 54 24.59 -2.4
eS 55 07.23
TRF 3.94 21 eP 54 26.26 -1.6
KLU 4.05 62 eP 54 26.38 -2.8
TOA 4.21 54 P 54 29.50 -1.8
RND 4.21 29 eP 54 29.52 -1.9
TZL 4.49 57 eP 54 31.83 -3.3
KAIM 4.53 85 eP 54 34.21 -1.4
GLB 5.00 67 eP 54 39.37 -2.7
WRH 5.30 26 eP 54 41.54 -4.5
TGL 5.35 75 P 54 43.70 -3.1
CCB 5.51 26 eP 54 45.40 -3.6
HDA 5.51 31 eP 54 46.29 -2.7
BALM 5.61 73 eP 54 48.44 -2.1
YAH 5.86 80 eP 54 52.54 -1.5
YKA 18.71 65 eP 57 36.70 -2.7
0.6s 0.30nm 2.8mb
62 obs. associated

? JUN 10, 1992 11h 28m 47.25± 4.03s
47.649 N ±27.9km 13.306 E ±24.7km
DEPTH = 5.0km (geophysicist)
AUSTRIA (546)
ML 2.5 (VIE).

BHG 0.30 284 ePg 28 51.40 -1.9
KBA 0.57 177 iPgc 28 56.60 -2.1
iSg 29 05.20
WTTA 1.20 252 iPgc 29 10.60 0.4
iSg 29 29.40
WATA 1.21 256 iPgc 29 11.00 0.6
iSg 29 29.80
SQTA 1.49 254 iPgc 29 15.10 0.3
iSg 29 36.60
MOTA 1.52 259 iPgc 29 15.40 0.1
iSg 29 37.50
VOY 1.67 166 e(Pn) 29 18.70 1.4
e 29 40.80
OGA 1.74 244 ePn 29 19.40 0.9
S.D. = 1.5 on 8 of 8 obs.

JUN 10, 1992 12h 45m 14.37± 0.17s
58.959 S ± 5.4km 25.494 W ± 5.5km
DEPTH = 33.0km (normal)
5.5mb (18 obs.) 4.7Msz (10 obs.)
SOUTH SANDWICH ISLANDS REGION (153)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 52C
Centroid Location:
Origin Time 12:45:21.2 0.3
Lat 59.29S 0.07 Lon 25.20W 0.09
Dep 31.9 3.6 Half-duration 2.6
Moment Tensor; Scale 10**16 Nm
Mrr= 8.01 0.50 Mtt=-1.69 0.76
Mff=-6.32 0.45 Mrt= 1.59 0.95
Mrf= 2.61 1.31 Mtf=-1.59 0.52
Principal Axes:
T Val= 8.63 Plg=78 Azm=309
N -1.25 4 199
P -7.38 11 108
Best Double Couple:Mo=8.0*10**16
NP1:Strike=193 Dip=34 Slip= 83
NP2: 22 56 95

AIA 18.94 234 eP 49 36.60 1.9
SPA 31.21 180 iPc 51 33.90 1.4
1.0s 93.50nm 5.6mb
Z 20s 1.86um 4.7Msz
i 57 45.90
MAW 37.29 141 e(P) 52 24.00 -0.3
1.0s 35.00nm 5.2mb
ZON 39.84 294 eP 52 47.50 1.4
SUR 40.65 70 iPc 52 55.50 2.6
0.7s 684.93nm 6.5mb
PPD 41.25 322 eP 52 56.80 -1.0
FRS 45.01 72 iPc 53 27.70 -0.5
0.8s 33.58nm 5.3mb
BLF 45.97 73 iPd 53 37.60 1.6
0.7s 330.00nm 6.4mb
VIR 47.15 73 eP 53 52.00 6.7X
0.9s 840.34nm 6.7mb X
SEK 47.32 74 iPc 53 48.10 1.4
0.7s 342.47nm 6.5mb
PDCR 47.46 342 eP 53 47.50 -0.1
e 55 17.40
PRY 48.40 72 iPc 53 56.00 0.9
1.0s 300.00nm 6.3mb
KSR 49.00 71 eP 54 00.70 0.9
0.6s 89.29nm 6.0mb
SLR 49.79 72 iPc 54 05.80 0.0
1.3s 961.54nm 6.7mb X
CSY 50.85 159 iPd 54 13.60 0.5
0.5s 21.70nm 5.4mb
CNCB 52.28 305 P 54 25.00 -0.2
LPB 52.57 305 P 54 29.10 1.8
ZOBO 52.81 305 P 54 27.90 -1.4
1.0s 17.50nm 5.0mb
LR 07 52.00
ARE 54.11 302 eP 54 38.00 -0.4
DRV 54.23 173 eP 54 38.00 -0.3
S 02 15.00
BUL 54.67 69 iPc 54 41.80 -0.6
1.0s 40.50nm 5.4mb
KRI 58.00 68 iPd 55 06.20 0.0
LSZ 58.66 66 iP 55 11.00 0.2
NNA 60.45 299 e(P) 55 23.00 0.0
0.9s 18.49nm 5.2mb
LIC 67.01 22 P 56 06.30 0.4
KIC 67.20 22 P 56 07.30 0.2
1.0s 100.00nm 5.9mb
TIC 67.42 22 P 56 08.90 0.4
KDS 72.09 14 iP 56 37.50 0.5
BCAO 72.19 47 ePd 56 38.60 0.9
0.2s 44.00nm 6.1mb
id 56 53.80
MSZ 76.14 190 eP 56 59.90 -0.2
MQZ 76.60 193 P 57 02.90 0.2
LMZ 76.96 191 eP 57 04.50 -0.2
LTZ 77.56 193 eP 57 08.60 0.5
THZ 78.48 194 eP 57 14.20 1.0
0.6s 25.00nm 5.4mb
DSZ 78.63 193 eP 57 13.00 -1.0
QRZ 79.45 194 eP 57 16.60 -1.8
PAG 80.36 325 eP 57 20.00 -3.6X
NGZ 80.66 196 eP 57 25.40 0.3
NRZ 80.74 195 eP 57 25.00 -0.3
PUZ 81.32 199 eP 57 29.60 1.2
MUN 83.97 148 eP 57 41.00 -1.1
WCZ 84.02 196 eP 57 41.50 -0.8

10d 12h

FORT 87.93 157 eP 58 02.30 0.6
STK 88.86 169 iPd 58 06.60 0.4
0.7s 11.30nm 5.3mb
CMS 89.61 173 eP 58 10.50 0.8
0.6s 7.00nm 5.1mb
TIO 90.83 16 iPd 58 19.00 3.8X
ARMA 90.93 178 iPc 58 17.40 1.4
0.5s 6.00nm 5.2mb
ASPA 95.93 161 P 58 37.50 -1.5
WRA 99.65 161 P 58 55.29 -0.6
CEH 104.45 318 Pdiff 59 30.00 13.3X
Z 19s 0.23um 4.7Msz
HRV 108.05 326 PKP 03 50.00 10.7X
Z 20s 0.21um 4.7Msz
CCM 110.91 310 PKP 03 50.00 5.1X
Z 22s 0.35um 4.9Msz
SLM 111.02 311 PKP 03 50.00 5.0X
Z 20s 0.37um 5.0Msz
HYB 111.99 93 ePKP 03 47.00 -0.5
GEC2 112.13 27 PKP 03 45.80 -1.2
0.7s 2.01nm
EEO 114.07 323 ePKP 03 52.00 1.3
ALQ 114.88 297 PKP 04 00.00 7.1X
Z 18s 0.16um 4.6Msz
GOL 118.29 300 ePKP 03 59.53 0.2
Z 19s 0.08um 4.3Msz
SRU 120.16 296 ePKP 04 01.55 -1.2
MSU 120.45 295 iPKP 04 03.72 0.3
EMUT 120.86 297 ePKP 04 03.77 -0.4
ISA 121.22 288 ePKP 04 04.38 -0.4
Z 21s 0.12um 4.5Msz
DAU 121.54 297 ePKP 04 05.94 0.4
DUG 122.09 295 ePKP 04 06.25 -0.1
TNP 122.52 291 ePKP 04 08.03 0.7
HFS 122.64 22 ePKP 04 04.70 -1.8
0.5s 2.30nm
Z 17s 0.08um 4.4MszX
LR 48 18.00
BONR 122.95 290 ePKP 04 08.77 0.5
ULM 122.96 314 ePKPd 04 08.80 1.3
NB2 123.02 20 PKP 04 07.00 -0.3
0.9s 22.90nm
UPP 123.19 24 iPKP 04 06.70 -0.9
i 04 08.20
HVU 123.32 297 ePKP 04 08.64 0.0
DMN 123.78 92 PKP 04 08.60 -1.6
GKN 123.86 91 PKP 04 08.40 -1.8
PKI 123.91 92 PKP 04 08.50 -2.0
KKN 124.02 92 PKP 04 08.90 -1.7
ARN 124.06 287 ePKP 04 10.35 0.2
OBN 124.09 38 ePKP 04 08.00 -1.5
0.7s 44.00nm
GUN 124.43 92 PKP 04 10.10 -1.4
HPI 124.97 298 (PKP) 04 13.04 1.0
NUR 125.37 28 iPKP 04 11.20 -0.6
0.6s 15.80nm
ORV 125.76 289 ePKP 04 14.36 1.0
LRM 126.31 300 ePKP 04 15.00 0.5
KAF 127.17 28 iPKP 04 14.60 -0.7
0.7s 52.00nm
LBFM 127.32 290 ePKP 04 17.10 0.5
FCC 129.15 321 ePKP 04 19.50 0.4
SES 129.15 305 ePKP 04 19.00 -0.5
HON 129.47 243 PKP 04 30.00 9.1X
Z 21s 0.24um 4.9Msz
DPW 130.45 298 ePKP 04 22.04 0.0
BMW 131.78 293 ePKP 04 24.95 0.3
PNT 132.15 298 ePKP 04 25.00 -0.2
KEV 133.79 22 ePKP 04 15.00 -12.6X
DAG 135.54 2 iPKPd 04 30.60 -0.2
0.7s 10.96nm
WMQ 137.54 80 ePKP 04 31.00 -4.7X
YKA 138.92 315 ePKP 04 30.70 -6.8X
0.8s 48.30nm
GTA 140.61 95 ePKP 04 35.00 -6.5X
XAN 141.05 109 ePKP 04 36.90 -5.4X
NJ2 144.02 123 PKPd 04 46.00 -1.4
SSE 144.19 126 PKP 04 46.00 -1.7
TIY 145.69 109 ePKP 04 49.80 -0.4
BTO 146.71 104 ePKP 04 52.00 0.2
TIA 146.73 117 ePKP 04 51.80 -0.1
MBC 147.01 334 ePKP 04 50.00 -1.1
0.9s 91.00nm
HHC 147.67 105 PKP 04 54.60 1.2
KAGJ 147.95 140 PKP 04 57.30 3.3X
KUMJ 149.17 139 PKP 05 00.00 4.2X
BJI 149.33 111 ePKP 04 56.00 0.2
SHNJ 150.71 138 PKP 05 05.10 7.0X
DL2 150.99 119 PKP 05 00.00 1.7
TOA 151.54 302 ePKP 04 55.40 -3.2X
e 05 05.70
PMR 152.67 300 PKP 05 10.00 9.9X
Z 20s 0.08um 4.5Msz
PMS 152.75 299 ePKP 04 57.40 -2.9X
1.3s 67.90nm
i 05 08.80
FBA 153.08 307 ePKP 05 08.10 7.5X
e 05 19.70
MAT 155.17 147 ePKP 05 05.00 0.7
IMA 155.72 309 ePKP 05 14.40 10.0X
1.1s 21.60nm
CN2 156.62 118 ePKP 05 06.50 0.5
BRW 156.89 322 (PKP) 05 00.14 -5.4X
MDJ 159.11 122 ePKP 05 03.50 -5.4X
S.D. = 1.0 on 93 of 117 obs.

JUN 10, 1992 13h 41m 24.95± 0.29s
25.660 N ± 4.3km 96.758 E ± 4.4km
DEPTH = 33.0km (normal)
4.7mb (33 obs.) 4.3Msz (2 obs.)
MYANMAR (296)

KMI 5.44 94 Pnc 42 47.50 1.5
Pg 43 04.00
Sn 43 51.00
Sg 44 12.50
LSA 6.40 310 ePn 43 00.00 0.2
N 13s 1.61um
E 13s 0.93um
Sn 44 15.00
CHG 7.11 163 ePnc 43 08.40 -0.9
ePg 43 36.00
eSg 45 12.00
CHTO 7.11 163 iPnc 43 08.10 -1.2
ePg 43 36.00
Lg 45 04.20
CD2 8.09 48 P 43 23.60 0.5
N 10s 8.35um
BDT 8.63 166 eP 43 30.00 -0.5
0.8s 67.50nm 5.8mb X
GYA 8.94 83 P 43 35.00 0.0
GUN 9.98 285 P 43 46.20 -3.2X
PKI 10.33 283 P 43 51.00 -3.3X
NST 10.43 162 eP 43 54.50 -0.7
KKN 10.48 284 P 43 53.00 -3.2X
DMN 10.60 283 P 43 54.20 -3.8X
KHT 10.96 171 eP 44 01.70 -0.8
GKN 11.07 285 P 44 00.40 -3.9X
LZH 12.04 29 eP 44 15.00 -2.3
2.0s 71.00nm 5.5mb
Z 10s 2.03um 4.5MszX
N 10s 2.48um
E 10s 3.27um
PP 44 25.00
NNT 13.30 167 eP 44 35.00 1.0
XAN 13.45 49 P 44 32.80 -3.2X
0.8s 16.00nm 5.0mb
N 14s 4.17um
E 14s 2.07um
QIZ 13.78 116 eP 44 42.40 2.1
N 11s 1.80um
E 12s 1.36um
eS 47 14.00
GTA 13.95 10 eP 44 42.00 -0.6
1.0s 5.00nm 4.2mb
Z 10s 3.52um 4.0Msz
E 13s 5.22um
pP 44 49.50
sP 44 53.50
WHN 16.26 69 P 45 12.00 -0.5
1.1s 21.00nm 4.2mb
Z 12s 0.72um 4.2Msz
N 10s 1.31um
NDI 17.65 284 eP 45 30.00 0.1
0.5s 9.86nm 4.2mb
TIY 17.92 44 eP 45 30.40 -3.0X
Z 15s 1.30um
N 15s 0.46um
BTO 18.55 33 eP 45 39.00 -2.0
N 12s 2.55um
E 12s 2.79um
HYB 18.80 248 eP 45 45.00 0.8
1.0s 70.00nm 4.8mb
HHC 19.52 35 P 45 52.00 -0.6
1.2s 22.00nm 4.3mb
Z 10s 1.90um 4.5Msz
N 12s 1.62um
WMQ 19.57 340 P 45 52.50 -0.5
0.7s 22.00nm 4.6mb
Z 12s 1.61um 3.8MszX
N 12s 1.26um
S 49 32.50
TIA 20.35 54 eP 46 01.10 -0.2
NJ2 20.36 67 Pc 46 02.00 0.7
0.9s 35.00nm 4.7mb
N 11s 1.60um
E 10s 0.73um
BJI 21.65 44 eP 46 15.50 1.0
1.6s 40.00nm 4.6mb
Z 16s 0.58um 4.1MszX
N 12s 0.93um
SSE 22.15 70 Pc 46 20.50 1.1
1.0s 110.00nm 5.3mb
Z 16s 0.44um 4.0MszX
N 10s 1.30um
E 10s 0.40um
sS 50 28.00
KSH 22.20 313 P 46 26.40 6.3X
Z 16s 1.18um 4.4MszX
N 14s 1.83um
E 12s 1.80um
S 50 22.00
POO 22.36 256 iPc 46 23.28 1.6
PRZ 22.57 323 eP 46 27.00 3.3X
1.2s 230.00nm 5.5mb
TLG 23.65 323 eP 46 37.00 2.9X
1.0s 73.00nm 5.2mb
Z 15s 0.70um 4.2MszX
E 14s 0.60um
eS 50 53.00
eSS 51 11.00
ZAK 25.19 10 iPc 46 50.50 1.7
1.4s 46.00nm 4.9mb
Z 18s 0.72um 4.2Msz
N 18s 0.60um
GAR 25.89 307 eP 46 55.50 -0.2
QUE 26.68 287 eP 47 04.30 1.2
IRK 27.18 10 ePd 47 08.30 1.0
1.5s 12.00nm 4.3mb
Z 15s 0.55um 4.2MszX
N 18s 0.35um
SNY 27.37 47 eP 47 08.10 -0.9
Z 16s 0.53um 4.2MszX
SEM 27.79 337 ePc 47 13.70 0.9
1.7s 51.00nm 4.9mb
Z 13s 1.00um 4.6MszX
E 12s 1.00um
CN2 29.51 45 eP 47 30.00 1.7
Z 16s 0.59um 4.3MszX
N 14s 0.35um
E 14s 0.42um
MAIO 33.48 298 eP 47 56.00 -7.4X
BOD 34.48 16 eP 48 10.50 -1.1
1.3s 11.00nm 4.6mb
ASH 34.63 300 eP 48 17.00 3.8X
MAT 36.86 63 eP 48 31.00 -1.1
0.6s 11.33nm 4.9mb
eS 54 12.00
SVE 40.48 330 ePc 49 03.00 1.0
1.0s 40.00nm 5.1mb
Z 16s 0.50um 4.5MszX
N 16s 0.50um
E 16s 0.20um
e 51 03.70
ASAJ 41.30 52 eP 49 09.60 0.7
YSS 41.98 47 eP 49 15.00 0.6
KUSJ 42.61 53 eP 49 23.10 3.4X
NRI 44.06 356 iPc 49 33.90 2.8X
1.1s 29.00nm 5.0mb
Z 19s 0.50um 4.4Msz
OBN 52.37 321 eP 50 39.00 3.1X
1.2s 18.00nm 4.9mb
e 50 55.00
WB2 58.22 138 eP 51 18.20 -0.3
0.6s 5.40nm 4.8mb
VRI 58.44 310 ePd 51 23.00 3.2X
KAF 58.53 329 eP 51 15.30 -4.9X
MLR 59.02 309 eP 51 27.00 3.0X
KEV 59.17 338 eP 51 12.00 -12.6X
NUR 59.24 327 eP 51 14.00 -11.1X
UPP 62.76 326 iP 51 48.50 -0.5

```
KSP     64.67 316 eP     52 03.00    1.3
HFS     64.70 327 eP     52 00.50   -1.2
        0.5s     4.00nm            4.8mb
     Z  17s     0.24um          4.5MszX
               LR       20 04.00
NB2     65.77 328 P      52 07.40   -1.3
        0.6s     2.60nm            4.5mb
PRU     65.93 316 eP     52 09.00   -0.8
BRG     66.13 317 e(P)   52 15.00    4.0X
GEC2    66.71 314 P      52 12.80   -2.1
        0.9s     3.23nm            4.4mb
KHC     66.73 315 eP     52 18.00    3.0X
LPG     72.18 312 eP     52 48.20   -0.6
        0.7s     5.20nm            4.6mb
LPL     72.18 312 eP     52 48.20   -0.6
        0.5s     4.65nm            4.7mb
SMF     73.71 314 eP     52 59.50    2.1
        0.6s     4.05nm            4.6mb
AVF     73.97 314 eP     52 58.10   -0.8
        0.7s     4.30nm            4.6mb
EKA     74.66 324 Pd     53 04.80    2.1
        0.8s     4.50nm            4.5mb
MBC     75.90   8 eP     53 09.50    0.1
        0.9s     2.00nm            4.1mb
BCAO    77.48 269 ePd    53 18.00   -1.4
        0.6s     7.00nm            4.9mb
               id        53 22.40
YKA     88.65  14 eP     54 14.80   -1.0
        1.0s     1.60nm            4.3mb
     S.D. = 1.2  on  51 of  73 obs.
----------------------------------------
• JUN 10, 1992  14h 02m 38.70± 1.14s
  17.778 N ±20.1km   63.422 W ±20.6km
  DEPTH =  10.0km  (geophysicist)
  3.6mb (  1 obs.)
 LEEWARD ISLANDS                   ( 92)
     MD 3.5 (TRN).

BSK      0.70 128 eP     02 52.75    0.2
                  eS     03 01.47
SKI      0.79 124 eP     02 54.08    0.0
                  eS     03 03.66
NEV      1.03 128 eP     02 58.19    0.0
                  eS     03 12.11
MGH      1.56 132 eP     03 07.21    0.7
                  eS     03 26.55
MBET     1.58 130 eP     03 07.62    0.7
                  eS     03 28.07
ANG      1.64 112 eP     03 07.90    0.2
                  eS     03 27.53
BPA      1.66 116 eP     03 08.00    0.0
                  S      03 28.20
PAG      2.41 136 eP     03 18.40   -0.5
DEG      2.69 122 eP     03 22.00   -0.9
MGG      2.74 132 eP     03 23.00   -0.5
YKA     56.90 334 eP     12 26.00    0.0
        0.6s     0.40nm            3.6mb
     S.D. = 0.5  on  11 of  11 obs.
----------------------------------------
• JUN 10, 1992  14h 05m 05.15± 3.40s
  31.732 S ±24.0km   70.987 W ±27.9km
  DEPTH = 124.3 ± 24.5 km
 CHILE-ARGENTINA BORDER REGION    (127)
     MD 4.2 (SAN).

JACH     1.00 161 iPd    05 27.60   -0.4
                  iS     05 42.68
ROCH     1.24 181 iPd    05 30.50    0.0
                  iS     05 47.40
RTBS     1.31  87 iPc    05 31.40    0.4
PEL      1.43 170 iPd    05 32.40   -0.1
                  iS     05 50.80
FCH      1.70 160 iPd    05 36.20    0.3
                  iS     05 57.00
SAN      1.74 171 iPd    05 36.10    0.0
                  iS     05 57.70
RTCB     1.88  83 iPc    05 37.90    0.0
                  S      06 00.00
TACH     1.92 179 iPd    05 38.40    0.2
                  iS     06 01.80
PCH      1.93 168 iPd    05 38.30   -0.1
                  iS     06 02.00
ZON      1.98  85 eP     05 39.50    0.4
                  eS     06 01.50
RTLL     2.19  80 iPd    05 41.40   -0.3
                  S      06 06.40
CHCH     2.21 173 iPd    05 42.00    0.0
                  iS     06 08.80
LNV      2.25 189 iPd    05 42.40    0.1
                  iS     06 09.30
CFA      2.35  88 ePd    05 43.30   -0.4
                  S      06 09.70
     S.D. = 0.3  on  14 of  14 obs.
----------------------------------------
  JUN 10, 1992  15h 07m 49.11± 1.22s
  36.757 N ± 6.4km    7.736 W ±11.6km
  DEPTH =  33.0km  (normal)
 STRAIT OF GIBRALTAR               (385)
     mbLg 2.9 (MDD). MD 3.0 (RBA).

EVAL     1.14  43 iP     08 09.80    1.0
                  eS     08 20.30
GIBL     1.43  87 iP     08 13.50    0.5
ALJ      1.71  92 iP     08 17.00   -0.2
PLAT     1.72 111 eP     08 18.00    0.9
EJIF     1.85  99 iP     08 19.70    0.6
                  eS     08 38.20
EPRU     2.02  83 iP     08 21.40   -0.1
                  eS     08 40.20
EMOR     2.25  61 eP     08 24.50   -0.3
                  eS     08 47.20
NKM      2.29 124 iPg    08 25.80    0.4
                  iSg    08 46.00
                  i      08 48.00
EGUA     3.35  87 eP     08 40.80    0.4
                  eS     09 13.40
ECOG     3.38  80 eP     08 41.50    0.6
                  eS     09 14.20
EBAN     3.44  65 iP     08 40.80   -1.0
                  eS     09 15.60
AVE      3.46 176 ePn    08 43.00    1.0
                  i      08 53.50
                  iSn    09 19.00
EPLA     3.55  21 eP     08 43.60    0.4
                  eS     09 21.80
IFR      3.88 146 iPn    08 46.50   -1.5
                  iSn    09 26.00
EVIA     4.56  64 eP     08 55.60   -2.0
                  eS     09 42.60
TIO      5.83 176 iPn    09 15.00   -0.7
                  iSn    10 13.00
     S.D. = 1.0  on  16 of  16 obs.
----------------------------------------
? JUN 10, 1992  15h 13m 49.06± 2.31s
  32.404 S ±23.2km   70.953 W ±22.2km
  DEPTH = 100.0km  (geophysicist)
 CHILE-ARGENTINA BORDER REGION    (127)
     MD 3.7 (SAN).

JACH     0.41 132 iPd    14 04.70    0.1
                  iS     14 13.80
ROCH     0.57 185 iPd    14 05.70   -0.2
                  iS     14 15.50
PEL      0.77 163 iP     14 07.20   -0.2
                  iS     14 17.90
FCH      1.08 149 eP     14 11.20    0.2
                  iS     14 24.90
TACH     1.25 179 eP     14 12.60    0.0
                  iS     14 28.60
PCH      1.27 163 eP     14 12.90   -0.1
                  iS     14 28.40
CHCH     1.55 171 iPd    14 16.20   -0.1
                  iS     14 34.40
LNV      1.59 194 iP     14 17.10    0.3
                  iS     14 36.70
     S.D. = 0.2  on   8 of   8 obs.
----------------------------------------
% JUN 10, 1992  16h 11m 21.89± 0.68s
  44.325 N ± 6.0km    7.504 E ± 5.7km
  DEPTH =  10.0km  (geophysicist)
 NORTHERN ITALY                    (545)
     ML 1.6 (GEN).

ENR      0.12 211 P      11 24.48   -0.4
                  S      11 26.43
STV      0.15 238 P      11 25.61    0.1
                  S      11 27.97
PZZ      0.34 302 P      11 29.30    0.3
                  S      11 34.53
IMI      0.50 146 P      11 32.28    0.2
                  S      11 39.45
FIN      0.52 103 P      11 32.38    0.0
                  S      11 39.86
BHB      0.54 342 P      11 32.69   -0.2
                  S      11 40.28
     S.D. = 0.4  on   6 of   6 obs.
----------------------------------------
  JUN 10, 1992  18h 29m 02.68± 0.85s
  51.466 N ± 7.0km    6.946 E ± 9.3km
  DEPTH =  10.0km  (geophysicist)
 GERMANY                           (543)
     ML 3.0 (LDG), 2.4 (BNS).

BNS      0.52 164 iPgc   29 14.30    1.0
        0.4s   237.00nm
                  iSg    29 23.30
WTS      0.54 351 ePg    29 12.50   -1.0
        0.5s    15.00nm
ENN      0.95 223 ePn    29 25.00    4.2X
        0.5s    21.00nm
                  eSn    29 43.00
MEM      1.04 215 iPc    29 25.37    3.0X
                  iS     29 45.45
ABH      1.63 166 ePn    29 30.54   -1.0
RUP      1.77 178 ePn    29 33.79    0.2
CDF      3.06 176 Pn     29 50.20   -1.9
                  Sg     30 39.10
CLL      3.80  90 (Pg)   30 04.00    1.5
                  eSg    30 51.00
BRG      4.44  95 e(P)   30 17.00    5.4X
LOR      4.66 207 Pn     30 14.40   -0.3
                  Sn     31 09.00
LBF      4.89 205 Pn     30 16.70   -1.3
SSF      4.95 208 Pn     30 18.90    0.1
                  Sn     31 14.60
                  Sg     31 45.70
LDF      5.39 240 Pn     30 26.80    1.8
FLN      5.49 243 Pn     30 27.40    0.9
     S.D. = 1.4  on  11 of  14 obs.
----------------------------------------
  JUN 10, 1992  18h 41m 04.06± 0.28s
  11.681 S ± 4.6km  166.205 E ± 6.9km
  DEPTH =  15.4km  (  4 depth phases)
  5.2mb ( 30 obs.)  4.8Msz (  6 obs.)
 SANTA CRUZ ISLANDS                (184)
     CENTROID, MOMENT TENSOR       (HRV)
     Data Used: GDSN
     L.P.B.: 30S, 50C
     Centroid Location:
     Origin Time          18:41:11.3 0.5
     Lat 11.79S 0.06 Lon 165.83E 0.05
     Dep  15.0 FIX Half-duration  1.7
     Moment Tensor;   Scale 10**16 Nm
       Mrr= 7.15 0.27  Mtt=-0.77 0.34
       Mff=-6.38 0.33  Mrt= 2.92 0.70
       Mrf=-4.04 1.10  Mtf= 2.21 0.26
      Principal Axes:
      T  Val=  8.81   Plg=71   Azm= 42
      N       -0.20      8        156
      P       -8.61     17        248
     Best Double Couple:Mo=8.7*10**16
     NP1:Strike=350 Dip=29 Slip= 106
     NP2:       152     63       81

BKM      6.27 162 iP     42 44.50    6.3X
                  iS     44 19.50
HNR      6.55 289 eP     42 40.00   -2.1
                  eS     43 51.00
DZM     10.34 179 iPd    43 33.90   -1.0
RAB     15.76 297 e(P)   44 51.00    3.9X
PMG     18.86 275 e(P)   45 25.00   -1.0
MDG     21.18 286 eP     45 49.80   -1.4
RMQ     22.07 226 iPc    46 00.20    0.0
        1.0s    96.00nm            5.2mb
ARMA    23.03 214 iPc    46 10.50    0.7
        1.0s   107.00nm            5.3mb
QIS     27.00 248 eP     46 46.00   -1.4
CMS     27.25 221 iPc    46 51.90    2.4
        0.4s    29.00nm            5.3mb
STK     30.30 225 eP     47 16.60   -0.5
        0.7s     5.00nm            4.5mb
                  e      47 20.30   13km
WB2     31.68 251 iPc    47 27.20   -2.1
        0.9s    10.00nm            4.7mb
EWZ     31.97 174 P      47 32.20    0.7
GUA     32.77 319 eP     47 55.00   16.2X
PJG     32.83 319 eP     47 55.70   16.4X
MMCZ    33.30 176 P      47 42.60   -0.6
MHZ     33.37 176 P      47 43.80    0.0
SBCZ    33.40 176 P      47 43.70   -0.4
LSCZ    33.43 176 P      47 44.30    0.0
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10d 18h

CMCZ   33.46 176 P       47 44.60    0.0
TLC    33.48 176 P       47 45.20    0.3
WARB   39.93 243 iPc     48 38.70   -0.8
       0.9s    35.00nm             5.1mb
MBL    45.33 252 iPc     49 22.80   -0.7
       0.9s    27.00nm             5.2mb
CGP    45.87 294 eP      49 28.00    0.2
PCI    47.24 280 ePc     49 41.80    3.2X
       1.2s     7.60nm             4.6mb
                 e       51 29.00 594kmX
MAT    54.74 332 iPc     50 33.70   -1.5
       0.9s     9.24nm             4.8mb
                 eS      58 17.00
SSE    60.62 316 P       51 16.50   -0.2
       1.2s    20.00nm             5.1mb
     Z  20s     0.46um             4.6Msz
                 S       59 24.00
YSS    62.09 342 eP      51 25.00   -1.4
NJ2    62.78 315 Pc      51 31.00   -0.2
                 eS      00 00.00
KGM    63.95 278 ePd     51 41.40    2.1
CSY    65.96 201 eP      51 51.30   -0.1
       0.5s     4.70nm             4.9mb
CN2    66.51 329 P       51 55.00   -0.2
       1.0s    23.00nm             5.3mb
     Z  20s     0.30um             4.5Msz
                 esP     52 10.00
IPM    66.80 280 ePd     51 57.50   -0.2
SNG    67.87 283 eP      52 06.00    1.6
GYA    69.15 304 P       52 13.80    1.5
                 pP      52 24.00   33kmX
BJI    69.26 321 eP      52 13.00    0.5
       1.2s    33.00nm             5.4mb
     Z  24s     0.58um             4.7MszX
                 eS      01 18.00
TIY    70.33 317 Pc      52 20.00    0.8
     Z  22s     0.50um             4.7Msz
     N  21s     1.20um
XAN    70.88 312 P       52 22.60    0.0
       1.5s    20.00nm             5.0mb
KMI    71.83 301 Pc      52 28.00   -0.8
       1.5s    40.00nm             5.3mb
HHC    72.60 320 P       52 33.60    0.7
CMG    72.89 294 eP      52 35.50    0.6
CHTO   72.89 294 eP      52 35.10    0.3
       1.4s    20.19nm             5.0mb
                 pP      52 40.40   17km
                 sP      52 47.20
CD2    73.34 307 P       52 38.00    0.7
       1.2s    50.00nm             5.4mb
BTO    73.46 319 P       52 39.00    1.1
LZH    75.51 312 eP      52 51.00    1.1
       2.0s   130.00nm             5.6mb
                 pP      53 02.50   38kmX
                 sP      53 05.00
CIT    77.90 330 eP      53 03.90    1.2
SPA    78.40 180 iPc     53 06.40    1.0
       1.3s    66.67nm             5.5mb
SVW    78.57  18 eP      53 04.55   -1.7
       0.9s     4.88nm             4.6mb
YAK    78.81 343 iPd     53 08.10    0.7
       1.6s   129.00nm             5.7mb
     Z  18s     0.80um             5.1Msz
     N  16s     0.40um
     E  18s     0.40um
GTA    79.82 314 iPc     53 15.00    1.4
       1.5s    56.00nm             5.3mb
     Z  20s     0.63um             5.0Msz
                 pP      53 20.50   18km
                 sP      53 25.50
TTA    79.90  17 eP      53 13.89    0.4
       1.1s    10.17nm             4.7mb
ILT    80.11   6 iPc     53 14.00   -0.3
       1.4s    35.00nm             5.2mb
                 eS      03 24.00
                 e       04 28.00
BOD    81.24 335 iPc     53 21.40    0.9
       1.4s    27.00nm             5.1mb
ZAK    82.48 325 iP      53 28.00    0.9
       1.0s    28.00nm             5.3mb
                 e       03 34.00
IRK    82.83 327 ePc     53 30.10    1.2
       2.0s    42.00nm             5.2mb
BALM   83.03  23 (P)     53 28.77   -1.2
ARN    83.32  50 (P)     53 29.63   -2.2
MAW    84.31 202 ePd     53 37.00    0.8
       1.1s    17.00nm             5.2mb

GUN    87.02 299 P       53 51.20    0.3
PKI    87.34 299 P       53 54.10    1.7
KKN    87.50 299 P       53 54.00    1.0
DMN    87.61 299 P       53 53.80    0.2
GKN    88.11 299 P       53 55.60   -0.3
WMQ    89.86 315 P       54 03.40   -0.3
        1.4s    31.00nm            5.4mb
     Z  24s     0.46um             4.8MszX
                 pP      54 08.00   14km
                 sP      54 11.50
                 SKS     04 34.00
                 sS      05 12.50
YKA    95.33  27 eP      54 50.20   21.8X
        0.8s     0.60nm
SEM    96.34 320 ePc     54 32.60   -0.6
        1.7s    34.00nm            5.6mb
KAF   121.99 339 ePKP    59 59.30    0.3
BLF   124.02 223 e(PKP)00 04.80      0.6
PRY   124.52 226 ePKP    00 05.00   -0.2
SLR   124.67 227 ePKP    00 04.60   -0.9
        1.0s    15.00nm
NB2   127.43 345 PKP     00 09.30   -0.3
        1.2s     3.30nm
BUL   127.64 233 iPKPc   00 11.30   -0.1
        1.0s    10.00nm
KRI   128.58 237 iPKPd   00 13.50    0.3
PRU   135.25 334 ePKP    00 19.50   -5.2X
                 e       00 27.00
                 e       00 45.50
ZST   135.39 331 ePKP    00 25.80    0.7
                 e       08 26.50
KHC   136.31 334 ePKP    00 19.50   -7.3X
                 e       00 27.00
                 e       00 45.50
GEC2  136.47 334 PKP     00 24.90   -2.3X
        1.0s     2.53nm
SKO   136.94 321 iPKP    00 27.80   -0.4
TCF   142.93 342 ePKP    00 41.10    2.2X
        0.9s     6.20nm
LSF   143.17 342 ePKP    00 42.20    2.9X
        0.7s     4.85nm
RJF   144.03 342 ePKP    00 41.40    0.6
        1.0s     8.40nm
     Z  19s     0.25um             5.0Msz
CAF   144.19 341 ePKP    00 39.50   -1.6
        0.8s     6.45nm
LFF   144.59 342 ePKP    00 41.50   -0.2
        1.2s    20.55nm
LPO   144.69 341 ePKP    00 40.90   -1.0
        1.0s    13.40nm
PDCR  145.21 133 ePKP    00 37.20   -6.4X
                 e       01 02.20
                 e       01 12.20
BCAO  147.21 260 iPKPd   00 45.50   -1.5
        0.8s    81.00nm
                 id      00 48.10
TOL   150.62 345 ePKP    01 06.00   14.5X
      S.D. = 1.0 on 74 of 87 obs.
-----------------------------------------
   JUN 10, 1992  18h 45m 04.99± 0.74s
   40.082 N ± 8.1km   30.386 E ± 4.6km
   DEPTH =  19.4 ±  8.7 km
 TURKEY                             (366)
      MG 3.2 (DDA).

GPA     0.21 344 iPg     45 09.70   -0.7
GYN     0.37  44 eP      45 12.10   -0.9
NAL     0.71  80 eP      45 17.50   -1.2
                 eS      45 30.00
IZI     0.74 290 iPg     45 18.50   -0.7
                 iSg     45 30.50
YLV     0.91 302 iPn     45 21.60   -0.5
HRT     0.92 324 iPn     45 22.50    0.4
SGKT    1.37  68 eP      45 30.00    0.7
ISK     1.41 315 ePn     45 30.00    0.4
KCT     1.56 277 iPn     45 31.60   -0.3
DVR     1.64  48 eP      45 34.80    1.7
KHL     1.88 201 ePn     45 36.50   -0.1
BNT     1.91 279 ePn     45 38.00    1.1
EDC     1.95 279 ePn     45 37.50    0.0
      S.D. = 1.0 on 13 of 13 obs.
-----------------------------------------
*  JUN 10, 1992  19h 09m 03.08± 2.47s
   37.929 N ±16.9km   27.322 E ±19.9km
   DEPTH =   5.0km  (geophysicist)
 TURKEY                             (366)

IZM     0.47 354 iPg     09 10.60   -1.9
CIN     0.69 118 ePg     09 16.00   -0.9
                 iSg     09 25.00
KHL     1.78  77 ePn     09 35.50    0.7
EZN     2.05 338 ePn     09 39.30    0.7
EDC     2.45  10 ePn     09 44.50    0 1
KCT     2.45  19 ePn     09 45.00    0.6
BNT     2.47  11 ePn     09 45.00    0.4
IZI     2.93  34 ePn     09 51.50    0.3
      S.D. = 1.1 on 8 of 8 obs.
-----------------------------------------
%  JUN 10, 1992  20h 57m 20.25± 1.38s
   43.080 N ± 9.8km   0.500 W ±12.8km
   DEPTH =  10.0km  (geophysicist)
 PYRENEES                           (378)
      ML 1.0 (STR).

ESCF    0.05 268 Pg      57 22.02   -0.5
                 Sg      57 23.17
OGE     0.09  12 Pg      57 22.75   -0.1
ATE     0.15 272 Pg      57 23.56   -0.1
                 Sg      57 26.05
LHE     0.19 208 Pg      57 24.36   -0.2
ISSF    0.22 257 Pg      57 24.79   -0.3
                 Sg      57 28.65
      S.D. = 0.2 on 5 of 5 obs.
-----------------------------------------
   JUN 10, 1992  21h 21m 18.66± 0.65s
   37.902 N ± 5.1km   29.350 E ± 6.8km
   DEPTH =   5.0km  (geophysicist)
 TURKEY                             (366)

KHL     0.44  18 iPg     21 27.00   -0.5
                 iSg     21 35.00
CIN     1.05 254 iPgd    21 38.00   -0.8
                 iSg     21 51.00
ELL     1.24 159 iPn     21 42.50    0.3
ALT     1.30  27 iPn     21 43.00   -0.2
IZM     1.72 287 iPn     21 49.60    0.2
IZI     2.43   2 ePn     21 59.50   -0.3
KCT     2.47 342 iPn     22 00.00   -0.2
YLV     2.66   0 ePn     22 03.00    0.0
GYN     2.67  23 eP      22 08.80    5.6X
BNT     2.69 336 ePn     22 04.00    0.6
EDC     2.70 335 ePn     22 04.50    1.0
NAL     2.76  33 eP      22 10.50    6.0X
SGKT    3.40  37 eP      22 21.00    7.4X
      S.D. = 0.6 on 10 of 13 obs.
-----------------------------------------
%  JUN 10, 1992  22h 51m 24.71± 0.68s
   39.405 S ± 5.9km  174.353 E ± 5.4km
   DEPTH = 248.7 ±  6.9 km
 NORTH ISLAND, NEW ZEALAND          (159)

NRZ     0.33 282 Pc      51 57.30    0.3
BSZ     0.60 132 Pc      51 58.30    0.6
MOZ     0.96  22 Pd      51 59.10   -0.5
                 S       52 22.30
NGZ     0.99  77 Pd      51 59.80   -0.2
DIW     1.43 193 Pd      52 02.70    0.0
MNG     1.49 145 P       52 03.10    0.0
                 S       52 27.60
KIW     1.52 164 P       52 03.10   -0.2
CAW     1.79 162 Pc      52 05.40   -0.1
TCW     1.81 182 Pc      52 05.90    0.3
MRW     1.85 172 Pc      52 05.90    0.0
                 S       52 33.10
PGZ     1.91 130 P       52 06.50    0.0
MTW     1.96 154 Pc      52 06.80   -0.2
ORZ     1.99 224 Pc      52 07.10   -0.2
MOW     2.13 161 Pc      52 08.40   -0.2
BLW     2.14 157 Pc      52 08.60   -0.1
AMW     2.19 151 Pd      52 09.10    0.0
THZ     2.60 205 P       52 13.40    0.1
                 S       52 47.60
NOZ     2.98  76 P       52 17.70    0.5
DSZ     3.04 219 Pc      52 18.20    0.2
KHZ     3.07 191 P       52 18.40    0.2
                 S       52 56.10
PUZ     3.33  68 P       52 21.10   -0.1
                 S       52 59.80
LTZ     3.72 204 Pc      52 26.10    0.4
                 S       53 09.10
MOZ     4.48 196 P       52 33.60   -1.0
                 S       53 24.00
EWZ     4.87 212 P       52 39.60    0.3
LMZ     5.75 220 eP      52 50.20    0.0
```

BWZ 6.11 212 eP 52 55.00 0.3
ODZ 6.27 205 P 52 57.90 1.1
LRCZ 6.77 212 P 53 03.40 0.2
LSCZ 6.80 211 P 53 03.40 -0.1
MMCZ 6.81 213 P 53 03.00 -0.6
CMCZ 6.86 212 P 53 03.90 -0.4
TLC 6.98 212 P 53 05.50 -0.4
S.D. = 0.4 on 32 of 32 obs.

• JUN 11, 1992 00h 15m 58.18± 1.12s
39.608 N ± 7.5km 22.296 E ±11.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.2 (ATH).

KZN 0.81 330 ePg 16 12.00 -1.9
eSg 16 24.00
LSK 1.41 293 ePn 16 22.00 -2.0
VAY 1.72 7 iPn 16 29.40 1.1
SRN 1.79 279 ePn 16 29.10 -0.2
iSn 16 50.10
TPE 1.89 292 ePn 16 32.00 1.3
OHR 1.89 323 ePn 16 30.50 -0.3
KEK 1.93 274 ePb 16 31.80 0.4
VLS 1.95 224 ePb 16 32.00 0.3
VLO 2.32 293 ePn 16 38.50 1.6
SKO 2.45 345 ePn 16 39.20 0.4
iPg 16 45.20
iSg 17 15.00
PHP 2.51 326 ePn 16 44.20 4.6X
TIR 2.54 314 ePn 16 48.00 7.9X
LACI 2.82 317 ePn 16 55.00 10.9X
VLI 2.93 170 ePn 16 45.00 -0.6
S.D. = 1.3 on 11 of 14 obs.

& JUN 11, 1992 00h 16m 22.84s
62.932 N 149.691 W
DEPTH = 77.5km
CENTRAL ALASKA (1)
<AEIC>.

HUR 0.05 28 eP 16 34.04 1.7
eS 16 42.27
TRF 0.59 333 iP 16 37.52 0.0
S 16 48.37
CUT 0.59 207 eP 16 37.10 -0.3
RND 0.61 38 eP 16 37.43 -0.2
KTH 0.84 319 eP 16 40.01 -0.1
eS 16 53.74
MCK 0.87 23 eP 16 40.46 0.0
eS 16 53.43
GHO 1.22 163 eP 16 44.42 -0.4
eS 17 02.58
BWN 1.25 5 eP 16 44.71 -0.4
eS 17 00.97
SKT 1.28 223 eP 16 44.86 -0.7
eS 17 01.96
PWA 1.29 184 P 16 45.40 -0.2
S 17 04.50
SML 1.29 150 eP 16 45.21 -0.6
eS 17 04.06
PLRM 1.37 169 eP 16 46.56 -0.1
eS 17 05.90
PMR 1.37 169 eP 16 46.39 -0.3
eS 17 05.40
SUA 1.55 199 eP 16 49.15 -0.2
SCM 1.56 134 eP 16 49.22 -0.1
eS 17 10.84
KNK 1.63 159 eP 16 50.13 -0.1
eS 17 11.67
NEA 1.67 9 eP 16 50.52 -0.3
PMS 1.69 178 P 16 51.70 0.6
WRH 1.70 24 iP 16 50.25 -0.9
eS 17 10.47
TOA 1.83 115 P 16 53.40 0.4
THY 1.85 73 eP 16 53.28 0.0
CCB 1.91 25 eP 16 52.90 -1.1
HDA 1.92 38 eP 16 53.84 -0.3
NCG 1.92 218 eP 16 53.78 -0.5
DDM 1.93 62 eP 16 55.29 1.0
PAX 1.93 87 eP 16 54.41 0.0
SDG 1.95 100 eP 16 54.73 0.1
eS 17 20.46
CPKM 2.06 217 eP 16 53.73 -2.5
CKN 2.08 215 eP 16 57.12 0.8
SPU 2.08 213 eP 16 55.84 -0.5
BGL 2.10 218 eP 16 57.20 0.5
CKL 2.14 217 eP 16 57.13 -0.2
KLU 2.28 128 eP 16 58.87 -0.3
VLZ 2.40 137 eP 16 58.95 -1.8
SLKM 2.45 186 eP 17 01.81 0.4
RDT 2.70 210 eP 17 04.72 -0.2
DFR 2.75 213 eP 17 05.82 0.2
REF 2.84 212 eP 17 07.58 0.6
TTA 2.89 273 iPd 17 06.15 -1.4
HIN 2.96 148 eP 17 06.57 -2.0
CVA 3.04 140 eP 17 09.66 0.1
GLB 3.14 116 eP 17 09.82 -1.2
IMA 3.59 333 iP 17 16.32 -1.0
PDB 3.83 216 eP 17 17.54 -3.0
44 obs. associated

JUN 11, 1992 00h 20m 22.09± 0.24s
45.920 N ± 2.8km 14.900 E ± 2.3km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 3.9 (VIE), 3.8 (FUR), 3.8
(LDG), 3.5 (ZAG). MD 3.8 (LJU),
3.6 (FIR), 3.4 (TRI). Felt (VI)
at Dobrnic and Vrbovec; (V) at
Mirna and Trebnje; (IV) at
Ljubljana, Slovenia.

LJU 0.28 296 iPg 20 29.20 1.2
eSg 20 33.70
CEY 0.38 241 iPg 20 30.30 0.4
eSg 20 35.60
e 20 37.40
VBY 0.49 149 iPg 20 30.40 -1.5
RIY 0.68 212 iPgc 20 34.50 -1.1
iSg 20 44.00
VOY 0.71 279 iPg 20 36.40 0.2
e(Sg) 20 46.30
PTJ 0.74 91 iPgc 20 35.50 -1.1
iSg 20 45.30
ZAG 0.76 97 iPgc 20 36.00 -1.0
iSg 20 45.70
i 20 57.00
TRI 0.82 255 P 20 38.00 0.0
eSg 20 50.30
KBA 1.58 318 iPgc 20 52.00 1.6
i 20 53.70
iSg 21 13.50
FVI 1.62 295 P 20 52.50 1.8
eSg 21 13.30
VVI 1.73 273 P 20 53.90 1.5
KMR 2.20 346 iPn+ 21 03.70 4.5X
iPg 21 06.80
iSg 21 40.20
CTI 2.27 274 Pc 21 01.10 0.8
BHG 2.27 323 ePn 21 02.60 2.3
VKA 2.54 22 iPnc 21 04.50 0.5
iPg 21 12.80
iSn 21 35.30
iSg 21 47.90
WTTA 2.62 302 iPgc 21 06.80 1.4
i 21 07.80
i 21 38.60
iSg 21 42.10
UZD 2.64 74 ePn 21 05.70 0.2
WATA 2.69 303 iPgc 21 07.90 1.5
i 21 43.70
ZST 2.73 33 iPn 21 06.30 -0.4
i 21 15.60
i(Sn) 21 51.70
e 39 58.30
ARV 2.80 211 P 21 08.00 0.3
OGA 2.84 291 ePn 21 10.00 1.4
iPg 21 15.80
SQTA 2.86 298 iPgc 21 10.30 1.6
i 21 15.80
i 21 35.50
SFI 2.95 228 P 21 09.70 0.0
HVAR 2.96 157 ePn 21 10.70 0.8
iSn 21 48.70
MOTA 2.98 300 iPgc 21 12.00 1.6
SRO 3.01 50 eP 21 13.10 2.4
i 21 19.60
i 21 22.60
i 21 54.40
PGD 3.05 229 Pc 21 11.20 -0.1
SAL 3.08 266 Pd 21 12.20 0.6
BUD 3.24 60 ePn 21 20.80 6.9X
ASS 3.27 210 P 21 14.70 0.3
KHC 3.33 345 Pn 21 15.90 0.5
Pg 21 26.20
Sn 21 47.50
Sg 22 01.00
FUR 3.34 313 iPnd 21 16.50 1.0
FIR 3.36 232 ePn 21 16.20 0.5
iSn 21 56.00
OSS 3.38 285 ePd 21 18.00 1.8
MME 3.44 241 P 21 17.40 0.4
eSn 21 56.70
WET 3.50 338 ePn 21 18.00 0.3
BDI 3.57 240 Pc 21 18.70 -0.1
eSn 21 59.10
AQU 3.72 197 P 21 23.10 2.2
PII 3.81 236 P 21 21.10 -1.0
eSn 22 04.40
VDL 3.81 280 ePc 21 24.00 1.7
PSZ 3.96 58 ePn 21 23.40 -0.9
BRY 3.99 138 iPnc 21 25.17 0.4
iSn 22 02.87
BOB 4.01 255 P 21 25.80 0.8
BEO 4.07 104 ePn 21 42.00 16.4X
1.0s 0.12nm
eSg 22 33.30
PRU 4.08 357 Pn 21 25.20 -0.6
e 21 27.80
GRB1 4.11 329 e(Pn) 21 25.80 -0.4
e 21 28.60
PLE 4.12 127 iPnd 21 27.22 0.7
iSn 22 06.87
LLS 4.19 285 ePc 21 28.80 1.1
TMA 4.20 275 ePd 21 28.50 0.7
DUI 4.27 184 P 21 31.00 2.3
NKY 4.28 135 iPnc 21 29.03 0.2
iSn 22 09.63
VAI 4.28 271 P 21 28.00 -0.7
SDI 4.29 191 P 21 29.90 1.0
HCY 4.33 142 iPnd 21 29.55 0.1
iSn 22 10.77
BDV 4.61 141 iPnd 21 33.03 -0.3
iSn 22 17.92
TTG 4.69 137 iPnc 21 35.04 0.5
iSn 22 19.63
IVA 4.70 129 iPnc 21 34.53 -0.3
iSn 22 20.12
BZS 4.71 91 ePc 21 33.00 -1.8
ZLA 4.74 292 ePd 21 35.40 0.0
SLE 4.77 295 ePc 21 35.00 -0.7
MMK 4.84 274 ePd 21 36.30 -0.6
HOF 4.84 336 eP 21 36.00 -0.7
ORO 4.85 269 P 21 35.30 -1.6
CKI 4.91 255 Pd 21 38.60 0.9
PVY 4.93 131 ePn 21 38.00 -0.1
iSn 22 25.07
BRG 5.00 353 ePn 21 38.00 -0.9
iPg 21 59.00
iSg 23 02.00
KSP 5.01 10 ePn 21 38.20 -0.9
ULC 5.05 140 iPnd 21 39.89 0.2
iSn 22 28.64
MOX 5.21 336 ePn 21 41.20 -0.7
ePg 22 06.00
iSn 22 39.00
iSg 23 10.00
DIX 5.22 274 ePd 21 42.30 0.0
OJC 5.41 36 eP 21 55.50 10.8X
e 22 03.00
PGF 5.42 234 Pn 21 43.70 -1.2
Sn 22 44.10
CLL 5.54 348 ePn 21 44.00 -2.5X
ePg 22 10.00
eSg 23 19.00
EMS 5.56 274 ePd 21 48.00 1.0
DOI 5.59 258 P 21 45.20 -2.2X
SBF 5.69 251 Pn 21 47.40 -1.3
Sn 22 51.80
LPG 5.72 269 Pn 21 48.50 -0.9
Sn 22 52.30
LPL 5.73 269 Pn 21 49.10 -0.4
Sn 22 52.20
CDF 5.76 298 Pn 21 48.20 -1.6
Sg 23 29.30
BNI 5.85 264 P 21 49.20 -1.8
BSF 5.88 292 Pn 21 50.00 -1.4
Sn 22 55.00
ORI 5.96 168 P 21 54.30 1.8
SKO 6.15 128 ePn 21 54.50 -0.7

eSn 22 32.20
HAU 6.21 293 Pn 21 54.50 -1.6
Sn 23 03.20
FRF 6.33 251 Pn 21 56.50 -1.3
Sn 23 06.00
TDS 6.35 170 P 21 58.50 0.5
LMR 6.52 250 Pn 21 58.30 -2.1X
Sn 23 10.10
LRG 6.57 251 Pn 21 59.60 -1.4
Sn 23 12.20
VAY 7.22 127 ePn 21 58.70 -11.4X
LBF 7.62 282 Pn 22 14.00 -1.8
Sn 23 37.30
SMF 7.70 279 Pn 22 15.50 -1.4
Sn 23 36.40
LOR 7.73 284 Pn 22 15.20 -2.1X
Sn 23 40.50
SSF 7.95 282 Pn 22 18.40 -2.0X
AVF 8.04 280 Pn 22 19.80 -1.8
BGF 8.38 279 Pn 22 24.80 -1.7
Sn 23 55.80
MAF 8.58 276 Pn 22 27.30 -2.0X
TCF 8.83 277 Pn 22 30.70 -1.9X
CAF 9.08 268 Pn 22 34.70 -1.5
LSF 9.30 277 Pn 22 37.50 -1.6
RJF 9.40 271 Pn 22 39.40 -1.2
MFF 10.45 279 Pn 22 53.40 -1.5
S.D. = 1.2 on 89 of 101 obs.

& JUN 11, 1992 00h 24m 19.18s
34.175 N 116.350 W
DEPTH = 0.8km
4.1mb (4 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.3 (PAS), 4.1 (GS). Felt (IV) at Joshua Tree, Pioneertown and Yucca Valley. Felt (III) at India, Morongo Valley, Palm Springs and San Bernardino. Also felt at White Water.

PEC 0.73 247 iPd 24 33.04 -0.7
PLM 0.92 208 iPd 24 36.65 -0.9
SSK 1.11 272 ePn 24 39.65 -1.4
ISA 2.29 311 ePnc 24 56.54 -2.3
ePg 25 01.97
ABL 2.46 287 ePnc 24 59.15 -2.3
BCH 3.24 289 ePn 25 10.24 -2.0
iS 26 05.58
PKEM 3.61 302 ePn 25 15.87 -1.6
eP* 25 22.32
PHAM 3.71 298 ePn 25 16.98 -2.0
ARUT 4.31 32 ePn 25 25.23 -2.3
eS 26 35.50
ARN 5.27 308 iPnc 25 37.78 -3.3
MSU 5.49 37 ePn 25 41.79 -2.5
eS 27 22.06
DUG 6.64 24 (Pn) 25 58.90 -1.6
ORV 6.77 324 ePn 26 01.58 -0.6
SRU 6.80 42 ePn 26 01.69 -1.0
EMUT 7.16 37 (Pn) 26 06.59 -1.3
PV10 7.24 53 eP 26 06.50 -2.5
DAU 7.43 32 ePn 26 10.66 -1.1
HVU 8.10 19 ePn 26 20.20 -0.7
ALQ 8.20 82 ePn 26 21.06 -1.3
BW06 10.10 30 eP 26 48.00 -0.7
1.0s 6.67nm 5.1mb X
LRM 12.01 13 eP 27 18.20 3.5
RSSD 13.77 40 eP 27 36.20 -1.9
0.9s 3.95nm 4.3mb
MEO 14.67 83 e(P) 27 51.00 1.2
FVM 21.27 72 (P) 29 12.50 3.2
0.5s 5.60nm 4.2mb
TTA 37.89 332 (P) 31 38.79 -0.6
1.1s 4.11nm 4.1mb
IMA 38.79 337 eP 31 46.40 -0.6
1.1s 3.44nm 3.9mb
MBC 42.18 359 eP 32 15.50 0.9
27 obs. associated

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* JUN 11, 1992 00h 40m 10.76± 2.58s
41.914 N ± 8.5km 21.496 E ±22.1km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.8 (SKO), 2.5 (TIR), 2.5 (TTG). Felt (III) at Katlanovo, Yugoslavia.

SKO 0.07 324 iPg 40 11.30 -1.8
0.1s 630.00nm
iSg 40 14.60
i 40 15.00
PHP 0.82 254 iPg 40 24.20 -2.4
iSg 40 40.70
KKS 0.82 282 ePg 40 26.10 -0.6
iSg 40 40.70
OHR 0.96 213 iPgd 40 26.60 -2.4
iSg 40 40.90
VAY 1.00 126 iPg 40 22.70 -7.0X
i 40 35.00
i 40 37.40
PVY 1.32 302 iPgd 40 33.88 -1.3
iSg 40 51.29
TIR 1.35 246 ePn 40 35.50 0.0
LACI 1.36 259 ePn 40 37.80 2.0
IVA 1.52 309 iPgc 40 37.42 -0.7
iSg 40 57.43
ULC 1.68 272 iPgd 40 41.62 1.3
iSg 41 05.36
TTG 1.74 288 iPgc 40 41.43 0.3
iSg 41 05.71
LSK 1.89 201 ePn 40 45.20 1.8
BDV 2.02 281 iPnd 40 46.63 1.4
iSn 41 13.02
NKY 2.06 297 iPnc 40 46.56 0.7
iSg 41 13.16
PLE 2.10 313 iPnd 40 46.78 0.3
iSn 41 13.47
HCY 2.29 284 iPnc 40 50.22 1.0
iSn 41 19.36
BRY 2.40 295 iPnd 40 51.11 0.3
iSn 41 21.37
S.D. = 1.5 on 16 of 17 obs.

& JUN 11, 1992 00h 48m 09.58s
34.170 N 116.351 W
DEPTH = 1.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.5 (PAS).

PEC 0.73 248 eP 48 23.40 -0.7
eS 48 33.38
PLM 0.92 208 iPd 48 26.96 -0.9
eS 48 39.90
SSK 1.11 272 eP 48 30.60 -0.8
eS 48 46.45
GLA 1.69 131 eP 48 40.93 0.5
iS 49 04.71
4 obs. associated

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* JUN 11, 1992 00h 52m 00.73± 1.48s
39.697 N ± 9.4km 21.993 E ±15.1km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.2 (ATH).

KZN 0.63 344 ePb 52 12.50 -1.0
eSb 52 25.00
LSK 1.16 293 ePn 52 22.10 -0.4
iSn 52 41.40
SRN 1.55 277 ePn 52 34.10 5.8X
OHR 1.68 328 ePn 52 31.50 1.1
VAY 1.68 15 iPn 52 30.00 -0.3
KEK 1.69 271 ePb 52 34.00 3.5X
VLS 1.87 216 ePn 52 33.00 -0.1
SKO 2.31 350 ePn 52 40.00 0.6
i 52 45.50
PHP 2.31 330 ePn 52 44.70 5.3X
LACI 2.60 319 ePn 52 54.50 11.0X
S.D. = 1.0 on 6 of 10 obs.

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* JUN 11, 1992 01h 26m 48.49± 0.54s
11.370 S ± 7.5km 117.603 E ±11.2km
DEPTH = 33.0km (normal)
4.5mb (7 obs.)
SOUTH OF SUMBAWA, INDONESIA (291)

KHKI 3.58 326 ePd 27 45.00 2.0
eS 28 29.20
e 30 43.60
MBL 9.97 168 iPd 29 11.30 -1.3
0.6s 111.00nm 6.3mb X
iS 30 51.00
NANU 11.30 190 eP 29 30.60 -0.2
0.2s 9.00nm 5.6mb X
eS 31 24.00
KNA 11.69 113 eP 29 35.40 -0.7
eS 31 35.00
MEEK 15.22 177 eP 30 22.00 -0.7
WARB 17.03 151 eP 30 46.00 0.2
0.3s 18.00nm 4.7mb
eS 33 46.00
MRWA 17.82 185 eP 30 55.00 -0.7
0.2s 6.00nm 4.4mb
eS 33 56.50
WB2 18.23 120 eP 31 00.40 -0.4
0.3s 8.50nm 4.4mb
eS 34 09.70
BAL 19.16 182 eP 31 14.00 2.0
0.3s 11.00nm 4.6mb
eS 34 29.00
COOL 19.69 171 eP 31 19.00 0.9
0.3s 5.00nm 4.4mb
eS 34 38.00
ASPA 19.75 130 eP 31 20.70 2.0
1.2s 15.40nm 4.2mb
eS 34 47.20
KLB 20.13 180 eP 31 27.70 5.1X
0.3s 11.00nm 4.7mb
eS 34 49.00
MUN 20.55 183 eP 31 34.80 7.8X
eS 35 00.00
RAB 34.96 81 eP 33 34.00 -5.9X
GUN 49.69 322 P 35 39.60 -0.3
PKI 49.72 322 P 35 38.60 -1.6
DMN 49.93 321 P 35 41.40 -0.3
KKN 49.96 322 P 35 41.40 -0.4
GKN 50.50 321 P 35 45.40 -0.5
S.D. = 1.2 on 16 of 19 obs.

JUN 11, 1992 02h 03m 35.67± 0.13s
1.077 N ± 2.7km 124.115 E ± 3.4km
DEPTH = 27.6km (10 depth phases)
5.8mb (102 obs.) 5.2Msz (33 obs.)
MINAHASSA PENINSULA, SULAWESI (265)
Mo=7.9*10**17 Nm (PPT). Felt at Manado.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 73C
Centroid Location:
Origin Time 02:03:37.3 0.3
Lat 1.10N 0.03 Lon 124.04E 0.02
Dep 17.8 1.3 Half-duration 6.6
Moment Tensor; Scale 10**17 Nm
Mrr= 5.71 0.16 Mtt=-5.34 0.12
Mff=-0.37 0.18 Mrt= 0.69 0.39
Mrf=-0.67 0.25 Mtf= 1.39 0.12
Principal Axes:
T Val= 5.81 Plg=84 Azm= 63
N -0.05 5 285
P -5.76 4 195
Best Double Couple:Mo=5.8*10**17
NP1:Strike=280 Dip=41 Slip= 83
NP2: 109 49 96

PCI 4.71 245 ePc 04 49.20 2.5
iS 05 13.50
TSM 7.01 297 ePd 05 17.50 -1.6
e 11 15.00
BIP 7.41 17 ePc 05 25.00 0.2
eS 06 52.00
MAP 9.19 359 ePc 05 49.00 -0.4
KKM 9.30 302 ePc 05 51.00 -0.1
0.8s 54.20nm 5.8mb
PLP 10.06 5 ePd 06 03.00 1.5
PPR 10.17 328 iPd 06 01.50 -1.5
KHKI 12.64 222 ePd 06 39.70 3.1X
e 11 53.00
PGP 12.74 346 ePc 06 41.00 3.2X
TGY 13.32 346 eP 06 52.00 6.5X
eS 07 19.50
QVP 13.81 347 eP 06 56.00 4.1X
KNA 17.34 165 iPd 07 37.70 0.2
0.6s 215.00nm 5.5mb
PIP 17.48 349 iPc 07 43.00 3.8X
WWKK 20.05 104 ePc 08 08.20 -1.5
MNDI 20.79 110 eP 08 18.50 0.8
KGM 20.81 273 ePd 08 19.00 1.4
0.7s 165.60nm 5.5mb

e 08 25.90
MBL 22.49 190 iPc 08 33.20 -1.3
0.6s 103.00nm 5.5mb
MDG 22.53 106 eP 08 35.00 0.1
KLM 22.54 275 eP 08 39.50 4.5X
QIZ 22.67 323 Pc 08 37.00 0.7
HKC 23.21 336 eP 08 45.00 3.5X
eS 12 58.00
IPM 23.32 279 ePd 08 45.10 2.5
0.9s 515.90nm 6.1mb
TATO 23.89 354 eP 08 49.00 0.9
1.9s 647.77nm 5.8mb
GUMO 24.01 58 eP 08 48.10 -1.2
0.7s 258.30nm 5.9mb
Z 22s 3.21um 4.8Msz
eS 13 09.00
e 13 20.70
PJG 24.01 58 P 08 48.50 -0.8
GUA 24.02 58 eP 08 49.10 -0.3
0.7s 158.90nm 5.7mb
LAT 24.10 109 eP 08 51.60 1.5
SNG 24.20 285 eP 08 53.00 1.9
1.3s 869.23nm 6.1mb
eS 13 24.00
GZH 24.25 335 iPc 08 54.00 2.5
1.0s 140.00nm 5.5mb
Z 15s 5.91um 5.2MszX
N 11s 3.25um
E 11s 3.80um
iS 13 12.00
QZH 24.32 348 Pc 08 53.00 0.8
1.4s 690.00nm 6.0mb
NANU 24.94 199 eP 08 58.20 0.0
0.5s 102.00nm 5.7mb
PMG 25.20 115 iPd 09 01.20 0.4
1.0s 340.00nm 5.9mb
QIS 26.31 146 iPc 09 10.60 -0.5
eS 13 43.00
ASPA 26.37 159 iPc 09 11.20 -0.4
1.0s 300.20nm 5.9mb
eS 13 44.00
NNT 26.74 296 iPc 09 18.00 3.0X
WARB 27.21 175 eP 09 19.50 0.2
0.5s 43.00nm 5.4mb
NST 27.75 303 eP 09 25.50 1.3
MEEK 28.06 191 eP 09 25.50 -1.5
RAB 28.52 101 eP 09 32.00 0.8
eS 14 22.00
KHT 28.66 300 iPc 09 34.30 1.8
BDT 29.47 304 iPc 09 40.20 0.5
0.7s 86.00nm 5.6mb
SSE 29.98 355 Pc 09 44.00 -0.2
Z 20s 2.80um 4.9Msz
pP 09 52.30 29km
CTA 30.22 135 iPd 09 47.30 0.8
0.7s 210.27nm 6.1mb
eS 14 39.70
GYA 30.31 328 iPc 09 49.00 1.7
0.8s 100.00nm 5.7mb
Z 20s 8.74um 5.4Msz
N 11s 1.40um
E 11s 1.72um
PcP 12 47.20
S 14 50.00
CHG 30.33 307 ePc 09 48.80 1.3
0.9s 110.50nm 5.7mb
eS 14 44.00
WHN 30.74 343 Pd 09 53.00 2.2
1.5s 150.00nm 5.6mb
Z 24s 5.41um 5.1MszX
E 12s 2.52um
S 14 54.00
MRWA 31.11 194 eP 09 53.30 -0.8
e 09 59.00
NJ2 31.21 351 Pc 09 57.20 2.3
1.0s 23.00nm 5.0mb
N 11s 2.39um
E 11s 1.66um
S 15 03.00
KMI 31.58 321 Pc 10 01.00 2.4
1.9s 500.00nm 6.1mb
Z 14s 2.40um 5.0MszX
N 12s 2.20um
E 13s 1.70um
sP 10 15.00
FORT 31.90 174 eP 10 00.00 -1.0
COOL 31.91 185 eP 09 59.00 -2.2

BAL 32.29 192 eP 10 03.00 -1.4
0.5s 71.00nm 5.8mb
KL8 33.04 190 eP 10 10.00 -1.0
0.4s 13.00nm 5.2mb
OLP 33.66 146 iPd 10 16.40 0.0
0.5s 70.00nm 5.8mb
MUN 33.72 192 eP 10 16.00 -0.9
TKSJ 34.03 15 eP 10 19.30 -0.3
NWAO 34.44 190 eP 10 22.00 -1.1
Z 20s 2.00um 4.9Msz
WKYJ 34.68 17 eP 10 25.10 -0.1
YONJ 35.04 13 P 10 28.20 0.0
CD2 35.39 329 eP 10 32.40 1.1
1.2s 350.00nm 6.2mb
N 11s 3.10um
pP 10 43.00 37km
PP 11 51.00
S 16 07.00
TIA 35.55 350 eP 10 32.50 -0.1
Z 40s 10.40um 5.3MszX
N 12s 1.57um
S 16 02.00
XAN 35.74 338 Pc 10 34.50 0.2
1.0s 94.00nm 5.7mb
N 14s 1.94um
E 14s 3.79um
pP 10 44.00 32km
sP 10 47.00
TSRJ 36.02 17 P 10 36.30 -0.2
RMQ 36.27 141 iPd 10 38.20 -0.6
0.2s 15.00nm 5.6mb
i 11 13.00
IIDJ 36.56 19 P 10 40.70 -0.4
STK 36.73 155 iPc 10 42.30 -0.2
0.6s 108.80nm 5.9mb
eS 16 24.30
HNR 37.18 107 eP 10 46.00 -0.5
eS 16 34.00
CHJJ 37.44 20 P 10 47.20 -1.2
MTMJ 37.54 18 P 10 48.90 -0.5
MAT 37.62 19 eP 10 48.00 -2.0
1.5s 188.89nm 5.7mb
Z 20s 2.84um 5.1Msz
eS 16 29.00
DL2 37.72 357 eP 10 49.00 -1.7
Z 20s 2.93um 5.1Msz
N 19s 5.25um
KAKJ 37.99 21 P 10 50.60 -2.5
TIY 38.01 345 iPc 10 53.50 0.2
1.0s 46.00nm 5.3mb
Z 26s 4.26um 5.1MszX
N 12s 1.32um
S 16 45.50
ADE 38.37 161 iPc 10 56.70 0.3
0.9s 605.04nm 6.4mb
CMS 38.38 149 iPc 10 57.10 0.7
0.3s 37.00nm 5.7mb
e 12 27.00
NIIJ 38.52 19 P 10 55.50 -2.0
BJI 39.45 350 eP 11 05.00 -0.2
1.3s 60.00nm 5.2mb
Z 28s 3.80um 5.1MszX
N 11s 0.78um
ePP 12 39.00
eS 17 04.00
eSS 19 46.00
SHL 39.47 311 iPc 11 07.00 1.1
iS 17 10.00
LZH 39.59 334 iPc 11 08.00 1.4
2.0s 300.00nm 5.7mb
Z 25s 4.83um 5.2MszX
E 14s 3.49um
pP 11 18.00 34km
sP 11 22.00
PP 12 44.50
PcP 13 18.00
ScP 17 01.00
PcS 17 04.50
S 17 10.00
sS 17 25.00
ScS 21 11.00
YAMJ 39.71 20 eP 11 07.90 0.5
SNY 40.57 359 Pc 11 13.00 -1.4
0.5s 18.00nm 5.1mb
Z 24s 6.49um 5.4MszX
E 10s 1.15um
sP 11 28.00

ARMA 40.84 142 iPd 11 18.10 1.2
0.5s 149.00nm 6.0mb
OFUJ 41.09 21 eP 11 19.70 1.0
HHC 41.19 346 P 11 20.00 0.3
HHC 41.19 346 P 11 21.00 1.3
1.0s 23.00nm 4.9mb
Z 19s 4.29um 5.3Msz
N 11s 0.95um
E 12s 1.13um
pP 11 30.00 30km
PP 13 00.00
S 17 37.00
BTO 41.37 344 iPd 11 21.50 0.4
2.5s 200.00nm 5.4mb
N 16s 2.26um
E 12s 1.40um
pP 11 28.50 24km
S 17 29.00
BFD 41.72 158 iPd 11 23.60 -0.3
e 12 55.00
LSA 42.35 315 P 11 31.50 1.7
N 13s 0.87um
pP 11 44.00 46kmX
CN2 42.56 1 Pd 11 32.00 1.3
0.8s 80.00nm 5.5mb
Z 28s 4.43um 5.2MszX
N 10s 0.71um
E 10s 1.33um
epP 11 44.00 44kmX
PP 13 14.00
eS 17 50.00
SS 20 54.00
RIV 43.03 146 iPd 11 37.30 2.6
i 13 14.50
e 18 12.00
e 21 16.00
TOO 43.24 155 iPc 11 38.30 1.9
0.8s 333.00nm 6.1mb
MDJ 43.62 6 eP 11 39.30 -0.1
Z 48s 8.43um 5.3MszX
S 18 02.00
MRRJ 43.89 18 eP 11 42.50 1.0
GTA 44.13 333 Pc 11 44.80 1.1
1.5s 130.00nm 5.5mb
Z 12s 5.41um 5.7MszX
E 12s 2.37um
pP 11 50.80 20km
sP 11 53.70
PP 13 31.00
S 18 18.50
sS 18 29.00
SS 21 30.00
HOOJ 44.58 20 eP 11 48.80 1.6
GUN 45.28 310 P 11 53.20 -0.2
PKI 45.48 309 P 11 54.40 -0.6
KKN 45.68 309 P 11 56.00 -0.4
KUSJ 45.71 21 eP 11 56.40 0.3
DMN 45.73 309 P 11 56.60 -0.3
ASAJ 45.91 19 eP 11 57.70 0.0
GKN 46.28 309 P 12 00.80 -0.3
DZM 47.26 122 iPc 12 09.00 0.1
BKM 47.27 115 iPd 12 10.00 1.2
HYB 47.63 293 ePc 12 13.60 1.8
1.0s 190.00nm 6.1mb
eS 19 08.00
YSS 48.55 17 iPc+ 12 17.60 -0.8
1.4s 190.00nm 5.9mb
Z 16s 0.90um 4.8MszX
N 16s 0.90um
e 13 42.70
e 14 07.00
eS 19 16.00
eSS 22 36.00
KUR 48.71 22 eP 12 20.00 0.4
1.0s 190.00nm 6.1mb
Z 20s 3.20um 5.3Msz
N 20s 2.50um
E 20s 2.50um
(S) 19 20.00
CIT 51.51 352 eP 12 41.00 0.0
eS 20 00.00
ZAK 52.22 343 iPc 12 45.00 -1.3
2.4s 155.00nm 5.5mb
Z 14s 1.46um 5.2MszX
N 15s 1.15um
E 13s 0.57um
e 13 56.00

11d 02h

ePPP 15 46.00
eS 20 06.00
POO 52.24 293 iPd 12 48.20 1.1
NDI 52.47 306 eP 12 47.20 -1.4
WMO 53.47 328 iPc 12 55.80 0.0
2.5s 190.00nm 5.6mb
pP 13 04.00 27km
sP 13 07.50
PcP 14 00.00
PP 15 04.00
S 20 30.00
ScS 22 36.00
IRK 53.65 345 ePc 12 56.00 -0.9
Z 15s 1.42um 5.1MszX
N 13s 0.62um
e 14 02.00
e 14 55.00
eS 20 28.00
MOY 54.05 342 ePd 13 01.00 1.2
1.3s 100.00nm 5.7mb
BOD 57.15 354 iPc 13 21.10 -1.1
1.3s 65.00nm 5.5mb
PRZ 58.06 321 eP 13 31.50 2.5
0.7s 120.00nm 6.1mb
eS 21 35.00
KSH 58.10 317 P 13 31.30 2.0
Z 20s 2.00um 5.2Msz
E 12s 1.56um
sP 13 46.00
S 21 28.00
TLG 59.11 322 iP 13 37.00 0.8
2.4s 107.00nm 5.5mb
Z 13s 0.70um 5.0MszX
i 15 50.00
iS 21 49.00
PET 59.17 24 iPc+ 13 36.00 -0.3
1.2s 190.00nm 6.1mb
e 15 53.00
eS 21 36.00
ePS 21 58.00
e 23 20.00
WCZ 59.46 134 eP 13 39.20 0.5
MSZ 59.88 145 eP 13 42.00 0.7
LMZ 60.11 144 eP 13 42.60 -0.3
ORZ 60.56 139 P 13 46.90 0.8
0.6s 154.00nm 6.3mb
KUZ 60.81 134 eP 13 47.10 -0.8
0.7s 204.00nm 6.4mb
YAK 60.93 3 eP 13 46.60 -1.6
1.0s 252.00nm 6.3mb
e 14 29.00
iS 22 04.00
iPS 22 26.00
i 23 35.00
eSS 26 06.00
EWZ 60.94 143 eP 13 48.80 0.2
MOZ 60.96 136 eP 13 50.10 1.2
WLZ 61.23 135 eP 13 51.20 0.5
THZ 61.29 140 eP 13 50.80 -0.3
0.6s 41.00nm 5.7mb
OUE 61.40 304 eP 13 52.00 -0.3
eS 22 13.50
LTZ 61.42 141 P 13 51.70 -0.3
SEM 61.60 330 iPc+ 13 51.70 -1.3
2.2s 148.00nm 5.7mb
epP 14 12.00 79kmX
e 14 30.00
e 16 11.00
ePPP 17 42.00
eS 22 11.70
esS 22 46.00
TUZ 61.62 146 eP 13 53.80 0.7
BSZ 61.66 137 eP 13 53.90 0.3
NGZ 61.82 136 eP 13 55.50 0.6
GAR 61.85 315 iP 13 54.10 -1.0
KHZ 62.03 140 eP 13 55.40 -0.6
0.8s 195.00nm 6.3mb
MOZ 62.14 142 eP 13 56.70 -0.1
SNZO 62.23 139 P 13 57.70 0.3
MGD 62.37 15 iPc+ 13 57.50 -0.5
0.8s 220.00nm 6.3mb
Z 18s 0.80um 4.9Msz
epP 14 32.00 144kmX
e 16 14.00
iS 22 24.00
esS 23 48.00
MCQ 62.39 158 eP 14 01.60 3.4X
WAHZ 62.58 137 eP 13 59.20 -0.6
PAHZ 62.69 135 eP 14 00.20 -0.3
PGZ 62.95 138 P 14 01.10 -1.0
0.7s 160.00nm 6.3mb
HBZ 63.04 134 eP 14 02.80 0.0
0.7s 182.00nm 6.3mb
PUZ 63.21 134 eP 14 03.10 -0.8
NOZ 63.28 135 Pd 14 04.40 0.1
0.7s 320.00nm 6.6mb
SMY 66.06 31 P 14 30.00 7.9X
Z 20s 2.08um 5.3Msz
CSY 67.92 186 eP 14 33.40 -0.2
0.8s 60.70nm 5.8mb
DRV 68.53 173 iP 14 37.00 -0.5
S 23 42.00
SS 28 03.00
SSS 31 27.00
MAIO 69.07 309 iPc+ 14 41.00 -0.6
eS 23 56.00
ASH 70.37 310 eP 14 48.50 -0.8
1.5s 170.00nm 5.9mb
e 15 06.00
e 15 15.00
ePPP 19 13.00
e 24 29.00
e 24 49.00
ADK 70.61 34 (P) 14 52.00 1.5
1.0s 71.25nm 5.7mb
KAT 72.26 311 iP- 15 02.00 1.3
e 15 22.00
e 17 46.00
ePPP 19 31.00
eS 24 22.00
e 24 52.00
NRI 72.32 347 iPc+ 14 58.00 -2.4
2.0s 125.00nm 5.6mb
Z 20s 1.10um 5.1Msz
E 20s 0.60um
i 17 42.00
ePPP 19 22.00
iS 24 18.00
ePS 25 00.00
(SS) 29 00.00
SHI 73.50 301 eP 15 08.00 -0.3
SVE 74.86 329 iPc 15 14.00 -1.5
2.1s 200.00nm 5.8mb
Z 21s 1.00um 5.1Msz
N 21s 0.50um
E 21s 0.80um
eS 24 47.00
e 25 43.00
e 29 36.00
ARU 75.76 329 iPc 15 19.20 -1.4
1.5s 160.00nm 5.8mb
e 18 09.00
eS 24 57.00
ePS 25 31.00
ILT 77.16 19 iPc 15 28.20 0.0
1.4s 85.00nm 5.6mb
i 15 40.00
i 18 28.00
eS 25 16.00
ePS 25 58.00
eSS 30 16.00
BAK 77.30 311 iPc 15 31.00 1.5
iS 25 24.00
SHE 78.30 311 iPc 15 35.50 0.5
1.0s 130.00nm 5.9mb
iS 25 31.00
HON 78.32 69 P 15 50.00 14.5X
Z 22s 0.49um 4.8Msz
CRZF 78.62 222 eP 15 42.00 5.3X
ePP 19 14.00
eS 25 54.00
eSP 26 21.00
eSS 30 37.00
eSSS 34 27.00
GRS 79.89 310 iPc 15 44.00 0.0
1.4s 140.00nm 5.8mb
i 18 46.00
eS 25 45.00
MAW 80.38 200 iPc 15 45.80 0.1
0.9s 32.00nm 5.3mb
iPP 19 18.40
ANM 80.74 24 eP 15 48.44 0.7
SDN 80.83 34 ePc 15 48.13 -0.2
1.3s 749.66nm 6.6mb
Z 21s 1.65um 5.4Msz
GRO 80.85 314 iPc+ 15 49.00 0.3
1.5s 160.00nm 5.8mb
Z 16s 1.00um 5.3MszX
N 20s 3.00um
E 20s 1.50um
iS 25 54.50
ERE 81.37 310 iP+ 15 51.50 -0.1
iS 26 02.00
SBA 82.09 172 iPc 15 55.80 1.2
PYA 82.82 314 iPc 15 58.00 -1.0
1.0s 150.00nm 6.0mb
Z 20s 1.00um 5.2Msz
iS 26 16.00
ePS 27 08.00
KIV 83.08 314 iP 16 00.10 -0.4
Z 19s 0.90um 5.2Msz
i 16 24.10
i 19 18.00
SVW 84.35 29 ePc 16 07.24 0.8
1.2s 113.14nm 6.0mb
TTA 84.43 27 eP 16 08.40 1.5
SOC 85.20 313 iPc+ 16 10.00 -1.0
0.8s 150.00nm 6.3mb
e 19 35.00
e 26 33.00
eSS 32 12.00
AAE 85.24 279 eP 16 13.50 1.3
BRW 85.50 19 iPd 16 13.07 1.1
KDC 85.56 32 iPc 16 12.94 0.5
1.1s 75.72nm 5.8mb
IMA 85.85 24 iPc 16 14.15 0.1
0.7s 21.50nm 5.5mb
CPKM 86.00 29 eP 16 15.21 0.3
CRP 86.04 29 eP 16 14.10 -0.9
SLKM 86.93 30 ePc 16 18.41 -0.8
ANN 86.98 315 iPc+ 16 18.00 -1.7
0.8s 70.00nm 5.9mb
Z 22s 0.80um 5.1Msz
N 20s 0.90um
E 20s 0.80um
e 19 50.00
e 26 43.00
eS 26 57.00
MOS 87.13 326 iPc 16 20.00 -0.2
2.8s 660.00nm 6.4mb
Z 16s 0.70um 5.2MszX
e 19 52.00
e 26 43.00
eS 26 57.00
PMS 87.29 29 eP 16 20.60 -0.4
0.9s 26.70nm 5.5mb
PMR 87.51 29 ePc 16 20.81 -1.1
0.8s 17.39nm 5.4mb
Z 21s 0.88um 5.1Msz
OBN 87.70 325 iPc+ 16 22.00 -1.0
Z 20s 1.30um 5.3Msz
E 20s 1.10um
eS 26 48.00
HRI 88.05 303 iPc 16 25.60 0.3
BHL 88.13 304 P 16 24.00 -1.7
PP 19 38.00
S 26 36.00
FBA 88.22 25 eP 16 23.81 -1.5
0.8s 16.05nm 5.4mb
MML 88.33 302 iPc 16 27.10 0.5
PMO 88.33 105 iPc 16 30.60 3.9X
1.3s 205.00nm 6.3mb
VAH 88.59 105 iP 16 31.80 3.8X
1.3s 115.00nm 6.0mb
TPT 88.60 105 iP 16 32.00 4.0X
1.3s 200.00nm 6.3mb
PRNI 88.70 300 iPc 16 28.60 0.2
RUV 88.83 105 iP 16 32.60 3.5X
1.3s 160.00nm 6.2mb
TOA 88.92 28 eP 16 29.90 1.1
e 16 37.00
SIM 89.25 315 eP 16 28.00 -2.6
Z 24s 1.50um 5.3MszX
e 20 00.00
e 26 55.00
e 27 16.00
APA 89.31 337 iPd 16 29.40 -1.1
iS 27 14.00
BBTK 90.36 310 iP 16 40.00 3.9X
BALM 90.79 29 ePc 16 37.64 0.0
SPA 91.07 180 iPc 16 40.20 1.4

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      1.1s      77 38nm            6.0mb
   Z  23s       1.38um             5.3MszX
                i       20 07.10
KEV      91 46 340 eP   16 37.00  -3.4X
                e       20 21.00
                e       34 00.00
HLW      91.88 300 eP   16 43.00  -0.1
KAF      92.72 332 iP   16 44.60  -1.7
      0.7s     20.70nm             5.7mb
KIS      92.81 317 eP   16 35.00 -12.0X
   Z  24s       0.60um             5.0MszX
                e       20 33.00
                eS      27 16.00
MNK      93.01 324 eP   16 45.00  -2.7
   Z  24s       2.00um             5.5MszX
                e       20 36.00
                eS      27 16.00
                eSS     34 00.00
NUR      93.73 331 iP   16 48.50  -2.5
      0.7s      7.40nm             5.2mb
VRI      94.39 316 ePc  16 52.50  -1.9
KRI      94.62 253 iPd  16 55.70  -0.4
                ipP     17 02.90  22km
SIT      94.85  33 P    17 10.00  13.9X
   Z  18s       1.20um             5.4Msz
MLR      94.97 316 eP   16 56.00  -1.2
MBC      95.09  12 eP   16 57.50   0.5
      1.0s     11.00nm             5.2mb
BUL      95.54 250 iPd  16 59.30  -1.0
                ipP     17 06.30  22km
LVV      95.69 320 eP   17 03.00   2.7
   Z  20s       1.50um             5.5Msz
                e       20 58.00
                eS      27 35.00
SLR      95.72 244 eP   16 59.90  -1.2
LSZ      96.00 255 iPd  17 02.00  -0.4
PRY      96.41 243 eP   17 03.20  -1.0
UZH      97.00 319 iPc  17 05.50  -0.7
      0.9s    160.00nm             6.5mb
   Z  21s       1.00um             5.3Msz
   E  21s       1.00um
                e       17 27.60
                e       21 07.00
                e       27 40.00
OJC      98.31 321 eP   17 11.80  -0.3
                e       17 16.00
SKO      98.69 313 eP   17 09.00  -5.0X
                i       21 19.00
                i       21 57.00
                i       23 32.00
HFS      99.12 332 eP   17 13.00  -2.5
      0.5s      1.70nm             4.8mb
   Z  17s       1.04um             5.4MszX
                LR      58 09.00
DAG      99.52 352 iPd  17 16.00  -1.1
      0.4s     18.64nm             6.0mb
SRO      99.77 319 e(P) 17 17.20  -1.5
                e(PP)   21 31.20
NB2      99.97 333 P    17 17.20  -2.3
      0.8s      4.00nm             5.0mb
KSP     100.34 322 ePdiff17 20.90 -0.4
                e       21 33.00
ZST     100.48 319 e(Pdif17 20.70 -1.2
PRU     101.65 322 ePdiff17 26.20 -0.9
   Z  19s       1.10um             5.4Msz
   N  19s       0.80um
   E  22s       0.80um
                e       20 47.00
                e       21 20.30
                PP      21 35.50
BRG     101.77 323 iPdiff17 27.00 -0.6
      1.0s     20.00nm             5.7mb
                e       21 19.00
                e       21 39.00
CLL     102.21 323 ePdiff17 27.00 -2.5
   Z  17s       1.00um             5.4MszX
                e       21 41.00
KHC     102.49 321 ePdiff17 30.00 -0.9
   Z  22s       1.20um             5.4Msz
   N  20s       0.50um
   E  22s       1.10um
                e       21 04.00
                PP      21 44.00
GEC2    102.50 321 Pdiff 17 28.70 -2.3
      0.9s      1.94nm             4.8mb
YKA     102.97  24 ePdiff17 32.20 -0.5
      1.0s      3.20nm             5.0mb
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MOX     103.25 323 ePdiff17 34.20   0.0
         1.9s     29.00nm          5.7mb
        Z  18s     0.70um          5.2Msz
        N  18s     0.50um
        E  20s     0.50um
GRB1    103.62 322 e(Pdif17 25.00 -10.9X
                   e      17 35.80
GMW     104.60  40 ePdiff17 41.55   1.2
                   epP    17 49.30
BCAO    105.44 275 iPdiff17 44.00  -0.9
         1.0s     15.00nm          5.9mb
                   id     21 56.20
PNT     105.99  38 ePdiff17 48.00   1.5
         0.7s      6.00nm          5.7mb
CDF     106.67 322 ePKP   21 57.00 -3.2X
BSF     107.18 321 ePKP   21 58.70 -2.5
         0.5s      1.60nm
ORV     107.90  48 ePdiff17 56.50   1.3
LPG     108.06 319 ePKP   22 02.60 -0.6
         0.9s      4.60nm
LPL     108.06 319 ePKP   22 02.70 -0.4
         1.1s      9.30nm
SES     110.56  34 ePdiff18 05.00  -1.8
SES     110.56  34 ePKP   22 07.00 -0.4
ISA     111.35  51 PKP    22 20.00 10.6X
        Z  19s     0.66um          5.2Msz
LRM     111.83  39 ePKP   22 10.40  0.1
PEC     112.91  52 ePKP   22 13.86  1.5
PLM     113.32  53 ePKP   22 14.39  1.0
DUG     113.95  45 ePKP   22 15.18  0.8
MSU     115.07  46 iPKP   22 17.61  0.9
EMUT    115.50  44 ePKP   22 18.12  0.6
SRU     116.00  45 iPKP   22 18.70  0.3
ULM     118.52  28 ePKP   22 23.00  0.4
GOL     119.29  42 iPKP   22 25.63  0.9
        Z  22s     0.39um          5.0Msz
ALQ     120.73  48 ePKP   22 28.50  1.0
        Z  21s     0.07um          4.3Msz
ACD     125.04  42 iPKPc  22 35.90  0.4
MEO     126.46  44 iPKPd  22 37.60 -0.8
OCO     126.81  43 iPKPc  22 40.60  1.6
FNO     127.01  43 iPKPd  22 39.70  0.3
FKO     127.02  43 iPKPd  22 40.10  0.7
SIO     127.47  42 ePKP   22 40.70  0.5
SIO     127.47  42 ePKP   22 41.80  1.6
TUL     127.71  41 ePKP   22 40.80  0.1
         1.2s     34.30nm
LNO     127.71  41 ePKP   22 40.50 -0.1
RLO     128.07  40 ePKP   22 41.00 -0.4
EEO     128.29  20 ePKP   22 43.50  2.0
CCM     129.22  36 ePKP   22 43.67  0.2
        Z  22s     0.50um          5.2Msz
SLM     129.41  35 PKP    22 50.00  6.2X
        Z  20s     0.37um          5.1Msz
FVM     129.74  36 ePKP   22 44.28 -0.2
LMN     132.61   8 ePKP   22 53.50  3.8X
PWLA    133.18  37 ePKP   22 50.53 -0.6
HRV     134.37  16 PKP    23 00.00  6.9X
        Z  22s     0.57um          5.2Msz
KDS     134.59 289 ePKP   22 53.00 -1.3
TBR     134.79  20 ePKP   22 53.36 -0.6
PNJ     135.03  20 ePKP   22 54.90  0.5
PNJ     135.03  20 PKP    22 55.70  1.3
TKL     135.14  33 (PKP)  22 53.66 -1.2
NAV     135.37  29 ePKP   22 54.92 -0.3
CEH     137.33  28 (PKP)  22 56.37 -2.6
        Z  20s     0.47um          5.2Msz
LPA     146.29 177 PKPd+  23 12.00 -2.7
         1.0s    160.00nm
RTCB    147.38 159 ePKPd  23 17.20  0.5
RTLL    147.64 160 ePKPc  23 17.50  0.4
PPD     158.70 192 ePKP   23 33.00  0.3
                   e      24 08.60
PDCR    159.86 235 ePKP   23 34.50  0.4
                   e      23 53.30
CNCB    160.35 143 PKP    23 37.20  1.9
                   i      24 19.20
LPB     160.49 143 PKP    23 37.70  2.4
        Z  18s     0.69um
                   i      24 19.90
ZOBO    160.66 142 iPKPc  23 37.20  1.5
         1.2s     27.03nm
                   i      24 20.10
                   LR     21 04.00
CCH     160.91 149 PKP    23 36.00  0.5
                   i      24 20.00
BOG     160.97  73 e(PKP)23 37.50   1.7
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ITR     161.01 246 ePKP   23 35.60   0.2
                   e      23 43.20
BMG     161.03  64 iPKPc  23 36.00   0.5
SDV     162.28  56 iPKPd  23 37.50   0.7
CAR     164.09  43 ePKP   23 28.00 -10.5X
SIV     164.32 161 PKP    23 40.60   2.0
                   i      24 34.60
     S.D. = 1.2  on 267 of 295 obs.
-------------------------------------
 ?  JUN  11, 1992  02h 10m 15.48± 2.08s
   43.790 N ±55.7km    7.105 E ±28.4km
     DEPTH =  10.0km  (geophysicist)
 NEAR SOUTH COAST OF FRANCE        (379)
     ML 2.2 (LDG).

SBF       0.25  73 Pg     10 20.80   0.0
                   Sg     10 26.10
FRF       0.40 236 Pg     10 23.40  -0.3
                   Sg     10 30.10
LMR       0.63 224 Pg     10 28.20   0.1
                   Sg     10 38.00
LRG       0.64 238 Pg     10 28.50   0.3
                   Sg     10 36.60
     S.D. = 0.4  on   4 of   4 obs.
-------------------------------------
 &  JUN  11, 1992  02h 41m 00.94s
   34.178 N            116.352 W
   DEPTH =    0.7km
 SOUTHERN CALIFORNIA               ( 43)
       <PAS-P>. ML 3.3 (PAS), 3.1 (GS).

PEC       0.73 247 iPd    41 14.79  -0.7
                   iS     41 24.84
PLM       0.93 207 iPd    41 18.50  -0.9
                   iS     41 30.90
SSK       1.11 272 iPc    41 21.82  -1.0
                   iS     41 37.45
GLA       1.70 131 ePn    41 29.37  -2.6
ISA       2.29 311 ePnc   41 37.91  -2.6
                   iPg    41 43.15
ABL       2.46 287 ePn    41 40.69  -2.5
BCH       3.24 289 ePn    41 51.84  -2.2
ARUT      4.31  32 ePn    42 06.03  -3.3
MSU       5.48  37 ePn    42 23.98  -2.1
          9 obs. associated
-------------------------------------
    JUN  11, 1992  02h 41m 52.68± 0.55s
   38.222 N ± 5.1km   28.780 E ± 5.1km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

KHL       0.59  80 iPg    42 04.50  -0.3
                   iSg    42 11.50
CIN       0.83 222 ePg    42 07.00  -1.7
                   iSg    42 19.00
IZM       1.21 279 iPn    42 16.20   1.0
ALT       1.33  51 iPn    42 17.00  -0.3
ELL       1.72 148 ePn    42 24.50   1.5
KCT       2.05 351 iPn    42 27.00  -0.6
IZI       2.18  14 ePn    42 29.50  -0.1
BNT       2.23 343 ePn    42 31.00   0.7
EDC       2.24 342 ePn    42 30.50   0.2
GPA       2.38  29 ePn    42 32.00  -0.4
YLV       2.39  11 iPn    42 32.20  -0.3
EZN       2.49 311 ePn    42 33.80  -0.1
GYN       2.61  35 iP     42 42.00   6.3X
HRT       2.69  15 ePn    42 37.00   0.2
NAL       2.79  44 eP     42 46.70   8.4X
CTT       2.93 355 ePn    42 40.30   0.1
SGKT      3.46  46 eP     42 58.00  10.2X
     S.D. = 0.8  on  14 of  17 obs.
-------------------------------------
 &  JUN  11, 1992  02h 46m 12.91s
   34.169 N            116.350 W
   DEPTH =    1.1km
 SOUTHERN CALIFORNIA               ( 43)
       <PAS-P>. ML 2.9 (PAS).

PEC       0.73 248 ePd    46 26.67  -0.8
                   iS     46 36.62
PLM       0.92 208 iPd    46 30.31  -0.9
                   eS     46 43.17
GLA       1.69 131 eP     46 41.38  -2.4
ISA       2.29 311 ePn    46 51.59  -1.0
          4 obs. associated
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    JUN  11, 1992  03h 20m 36.02± 0.61s
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11d 03h

17.879 N ±12.5km 63.270 W ± 6.5km
DEPTH = 10.0km (geophysicist)
3.6mb (1 obs.)
LEEWARD ISLANDS (92)
MD 3.8 (TRN).

BSK 0.67 142 eP 20 48.75 -0.6
eS 20 57.54
SKI 0.74 137 eP 20 50.07 -0.5
eS 20 58.99
NEV 1.00 138 eP 20 54.07 -0.8
eS 21 07.76
CPB 1.40 100 eP 21 02.24 0.7
eS 21 21.79
MGH 1.53 139 eP 21 03.29 -0.1
eS 21 22.91
MBET 1.55 137 eP 21 03.81 0.1
eS 21 23.29
ANG 1.55 117 eP 21 04.18 0.5
eS 21 25.18
BPA 1.58 121 eP 21 03.50 -0.7
S 21 24.70
LPR 2.51 280 iP 21 18.10 0.5
CPD 2.52 274 i(P) 21 18.50 0.8
DEG 2.62 126 eP 21 21.20 2.0
CLLP 3.15 274 iP 21 27.00 0.3
PORP 3.21 274 iP 21 27.30 -0.2
LRS 3.43 277 iP 21 31.30 0.7
MGP 3.64 273 iP 21 32.50 -1.1
YKA 56.87 334 eP 30 21.40 -1.7
0.6s 0.40nm 3.6mb
S.D. = 1.0 on 16 of 16 obs.

• JUN 11, 1992 03h 28m 47.91± 1.79s
24.889 N ± 9.1km 122.260 E ±17.8km
DEPTH = 10.0km (geophysicist)
TAIWAN REGION (243)

TWC 0.47 233 ePd 28 56.90 -0.5
eS 29 04.40
TATO 0.71 277 iPd 29 01.90 0.1
S 29 13.20
TWD 1.01 217 ePc 29 06.70 -0.3
TWO 1.43 245 eP 29 14.30 0.3
TWK 2.29 225 ePc 29 26.90 0.6
SSE 6.26 352 Pn 30 22.30 -0.2
Z 12s 0.30um
N 10s 0.20um
Pg 30 52.00
S.D. = 0.5 on 6 of 6 obs.

& JUN 11, 1992 04h 02m 08.30s
34.169 N 116.351 W
DEPTH = 0.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.5 (PAS).

PEC 0.73 248 iPd 02 22.09 -0.7
eS 02 31.72
PLM 0.92 208 iPd 02 25.73 -0.9
eS 02 37.56
GLA 1.69 131 eP 02 39.85 0.6
(S) 02 56.74
ISA 2.29 311 ePn 02 48.14 0.1
ePg 02 50.57
4 obs. associated

JUN 11, 1992 04h 48m 48.34± 0.56s
41.218 N ± 4.8km 19.558 E ± 5.3km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 2.9 (TTG), 2.7 (TIR).

TIR 0.27 61 iPgd 48 53.70 -0.2
iSg 48 59.00
LACI 0.43 15 iPgd 48 56.50 -0.7
iSg 49 03.10
VLO 0.75 184 ePg 49 05.60 2.6
ULC 0.78 343 iPgd 49 03.06 -0.5
iSg 49 14.12
SDA 0.80 357 iPgc 49 06.30 2.5
iSg 49 18.50
PHP 0.81 54 ePg 49 01.40 -2.7
iSg 49 14.40
OHR 0.94 96 iPg 49 05.10 -1.3
eSg 49 22.50
TPE 0.98 159 ePg 49 11.50 4.5X
KKS 1.07 36 ePg 49 08.90 0.5
iSg 49 25.40
BDV 1.20 333 iPgd 49 10.21 -0.4
iSg 49 26.85
TTG 1.23 350 iPgc 49 11.44 0.2
iSg 49 28.91
LSK 1.33 143 ePn 49 14.30 1.4
PVY 1.41 13 iPgc 49 15.50 1.3
iSg 49 35.81
HCY 1.46 328 iPgc 49 14.31 -0.4
iSg 49 34.49
LCI 1.50 235 P 49 29.80 14.5X
eSg 49 40.60
SKO 1.60 61 iPn 49 16.90 0.2
i 49 57.30
iSg 50 39.70
NKY 1.65 346 iPgd 49 17.97 0.5
iSg 49 40.06
IVA 1.67 9 iPnd 49 18.85 1.0
iSn 49 41.81
BRT 1.81 260 P 49 24.80 5.0X
eSg 49 35.50
BRY 1.84 336 iPnd 49 20.44 0.0
iSn 49 44.25
PLE 2.11 357 iPnd 49 24.62 0.3
iSn 49 51.89
VAY 2.27 86 iPn 49 25.80 -0.7
ROI 2.81 235 P 49 33.40 -0.8
CSI 2.88 241 P 49 32.80 -2.3
TDS 2.91 239 P 49 30.40 -5.1X
SGO 3.29 260 P 49 40.30 -0.6
S.D. = 1.4 on 22 of 26 obs.

• JUN 11, 1992 05h 09m 13.45± 1.45s
50.481 N ± 9.4km 8.752 W ±14.0km
DEPTH = 11.1 ± 4.6 km
NORTH ATLANTIC OCEAN (402)

VAL 1.74 328 eP 09 45.00 1.4
CPZ 2.06 98 ePn 09 50.10 1.8
ECB 2.26 32 ePn 09 51.90 0.7
eSn 10 18.10
ECP 2.26 40 ePn 09 52.10 0.8
eSn 10 18.40
CME 2.30 96 ePn 09 53.40 1.5
ETA 2.73 35 ePn 09 58.10 0.2
DCN 3.01 17 iPn 10 01.10 -0.7
eSn 10 35.30
DLF 3.14 25 iPc 10 03.20 -0.4
eS 10 39.20
DMU 3.61 18 ePn 10 08.90 -1.5
GRR 5.56 109 Pn 10 38.40 0.4
Sn 11 37.30
LPF 5.61 113 Pn 10 39.10 0.3
Sn 11 38.30
FLN 5.64 105 Pn 10 40.20 1.0
Sn 11 40.20
LDF 5.93 105 Pn 10 43.80 0.6
MFF 6.91 121 Pn 10 57.00 0.0
LSF 8.05 118 Pn 11 12.70 -0.3
TCF 8.41 116 Pn 11 17.00 -1.1
Sn 12 44.40
BGF 8.64 113 Pn 11 20.10 -1.1
Sn 12 51.10
SSF 8.79 108 Pn 11 22.00 -1.2
LOR 8.91 106 Pn 11 23.80 -1.2
S.D. = 1.1 on 19 of 19 obs.

JUN 11, 1992 05h 48m 28.84± 0.37s
17.575 N ± 4.6km 63.351 W ± 3.4km
DEPTH = 37.8 ± 5.3 km
4.4mb (8 obs.) 3.8Msz (1 obs.)
LEEWARD ISLANDS (92)
MD 4.4 (TRN). Felt on St.
Christopher.

BSK 0.54 115 eP 48 38.64 -1.4
eS 48 48.29
SKI 0.63 112 eP 48 40.03 -1.3
eS 48 51.48
NEV 0.86 120 eP 48 44.03 -0.6
eS 48 57.90
MGH 1.38 128 ePc 48 53.04 1.1
S 49 13.60
MBET 1.41 126 eP 48 53.41 1.0
CPB 1.46 87 eP 48 52.44 -0.6
ANG 1.51 106 eP 48 54.15 0.3
BPA 1.52 110 iPd 48 55.15 1.1
SEG 2.12 123 eP 49 03.90 1.3
PAG 2.22 134 eP 49 04.37 0.3
DOG 2.26 132 eP 49 05.22 0.6
CPD 2.49 281 iP 49 08.00 0.2
LPR 2.51 287 iP 49 08.30 0.2
S 49 39.60
DEG 2.53 119 eP 49 09.00 0.6
SJG 2.72 282 iP 49 11.60 0.4
S 49 45.10
CLLP 3.11 280 iP 49 17.00 0.3
PORP 3.17 279 iP 49 17.50 0.0
LRS 3.40 283 iP 49 21.00 0.2
S 50 03.50
FDF 3.53 143 eP 49 22.82 0.1
MGP 3.59 277 iP 49 22.80 -0.7
CRM 3.65 140 eP 49 24.04 -0.4
BIM 3.75 144 ePd 49 25.38 -0.4
SLB 4.34 149 eP 49 33.52 -0.7
eS 50 21.62
SVV 4.71 154 eP 49 38.69 -0.7
eS 50 30.44
SVB 4.73 154 eP 49 39.12 -0.6
eS 50 32.22
TCE 7.01 167 eP 50 12.97 1.2
TRN 7.14 164 eP 50 17.09 3.5X
TBH 7.39 162 eP 50 17.65 0.6
TPP 7.45 165 eP 50 17.91 0.0
GUAN 7.89 197 iP 50 23.60 -0.7
OLLA 8.23 204 eP 50 24.90 -3.9X
eS 51 55.70
SDV 11.17 220 eP 51 08.20 -1.2
HBF 21.65 318 eP 53 18.71 0.7
LHS 22.95 321 eP 53 31.49 0.6
CEH 22.97 326 eP 53 31.65 0.6
1.2s 21.85nm 4.5mb
JSC 23.09 320 eP 53 31.28 -0.9
PRM 23.66 318 (P) 53 38.87 1.1
CCM 31.81 316 eP 54 51.72 -0.5
0.6s 6.17nm 4.6mb
ZOBO 33.98 188 P 55 12.00 0.1
Z 20s 0.18um 3.8Msz
LR 05 50.00
LPB 34.21 188 P 55 14.50 0.8
CNCB 34.47 188 eP 55 15.00 -1.1
ULM 41.72 329 eP 56 16.50 0.9
ALO 41.99 303 eP 56 20.19 1.8
0.7s 2.22nm 4.0mb
FCC 46.89 339 eP 56 55.50 -1.6
SES 50.09 322 eP 57 22.00 -0.2
YKA 57.11 334 eP 58 11.30 -2.4
0.7s 2.80nm 4.4mb
MBC 65.23 347 eP 59 08.00 -0.3
0.5s 2.00nm 4.5mb
NB2 67.31 31 P 59 22.20 0.3
0.9s 2.90nm 4.4mb
GEC2 68.50 44 P 59 28.20 -1.4
0.7s 1.16nm 4.1mb
BCAO 80.95 88 iPc 00 43.30 1.7
0.7s 9.00nm 4.9mb
OBN 81.32 35 eP 00 43.00 0.3
S.D. = 0.9 on 49 of 51 obs.

? JUN 11, 1992 06h 27m 52.39± 5.05s
17.702 N ±23.4km 63.653 W ±36.3km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 3.5 (TRN).

BSK 0.85 114 eP 28 08.78 0.0
eS 28 17.34
SKI 0.95 113 eP 28 10.29 -0.1
eS 28 18.90
NEV 1.18 118 eP 28 14.44 0.1
eS 28 27.92
MGH 1.69 125 eP 28 23.14 1.1
eS 28 43.47
CPB 1.74 92 eP 28 22.72 -0.1
eS 28 42.57
ANG 1.82 107 eP 28 24.57 0.6
eS 28 44.91
BPA 1.83 111 eP 28 24.00 -0.2
S 28 44.00
PAG 2.52 131 eP 28 33.50 -0.6
DEG 2.84 119 eP 28 38.00 -0.7
S.D. = 0.6 on 9 of 9 obs.

% JUN 11, 1992 07h 01m 11.95± 0.83s
42.171 N ± 8.0km 7.813 W ± 6.6km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.4 (MDD). Felt (III) in
the Allariz area.

ERUA 0.54 66 iPc 01 23.40 0.4
eS 01 29.90
EZAM 0.66 268 iPc 01 25.35 0.3
eS 01 33.40
STS 0.90 323 iPc 01 29.05 -0.1
eS 01 39.90
EMON 1.31 16 iPd 01 35.91 -0.3
eS 01 51.90
EPLA 2.48 148 eP 01 52.74 -0.3
eS 02 21.70
S.D. = 0.5 on 5 of 5 obs.

? JUN 11, 1992 07h 46m 16.84± 5.14s
17.679 N ±19.2km 63.356 W ±38.3km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 3.3 (TRN).

BSK 0.59 124 eP 46 28.80 0.0
eS 46 36.93
SKI 0.68 120 eP 46 30.14 -0.2
eS 46 39.79
NEV 0.92 126 eP 46 34.65 0.2
eS 46 48.32
MGH 1.45 131 eP 46 43.55 0.4
eS 47 03.60
CPB 1.46 91 eP 46 43.17 0.0
eS 47 03.47
ANG 1.55 109 eP 46 44.15 -0.3
eS 47 05.55
BPA 1.56 114 eP 46 45.13 0.4
eS 47 06.46
PAG 2.29 135 eP 46 54.90 -0.5
S.D. = 0.4 on 8 of 8 obs.

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* JUN 11, 1992 08h 35m 57.86± 0.90s
51.414 N ±15.8km 172.577 E ± 9.8km
DEPTH = 33.0km (normal)
4.5mb (0 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS (5)

SMY 1.62 35 eP 36 23.34 -1.1
ANM 17.48 33 eP 40 01.00 0.7
CRP 21.62 49 eP 40 38.22 -8.7X
SLKM 22.44 52 (P) 40 54.48 -0.4
IMA 22.45 36 eP 40 54.21 -0.8
0.8s 4.58nm 4.0mb
PMS 22.86 50 eP 40 59.30 0.3
FBA 24.37 41 eP 41 13.73 0.1
0.6s 21.03nm 4.9mb
TOA 24.57 48 eP 41 16.70 1.1
0.9s 26.10nm 4.8mb
KLU 24.63 50 eP 41 15.10 -1.1
MBC 35.61 22 eP 42 54.50 0.7
YKA 39.07 45 eP 43 22.80 -0.1
0.7s 2.30nm 4.0mb
MSU 52.52 73 (P) 45 10.06 0.0
SRU 53.11 71 eP 45 14.56 0.1
PV10 54.47 71 eP 45 24.70 0.2
GUN 66.74 286 P 46 47.20 -1.1
NB2 66.91 350 P 46 48.90 0.4
0.9s 7.20nm 4.8mb
KKN 67.19 286 P 46 42.20 -8.7X
PKI 67.27 286 P 46 40.50 -11.1X
GKN 67.42 287 P 46 41.20 -11.1X
DMN 67.42 286 P 46 39.70 -12.8X
HFS 67.51 349 eP 46 51.30 -0.9
0.8s 4.60nm 4.6mb
EKA 73.56 357 P 47 30.00 1.2
1.1s 4.80nm 4.4mb
GEC2 78.50 346 PKP 47 57.60 0.7
0.7s 1.09nm 4.0mb
S.D. = 0.8 on 18 of 23 obs.

? JUN 11, 1992 10h 30m 51.28± 1.90s
22.824 N ±18.7km 122.425 E ±14.5km
DEPTH = 33.0km (normal)
3.4mb (1 obs.)
TAIWAN REGION (243)

TWF1 1.16 297 iPd 31 10.90 -0.4
eS 31 25.50
TWG 1.25 270 ePc 31 12.80 0.3
eS 31 28.90
TWQ 2.05 315 eP 31 24.10 -0.1
TATO 2.31 338 eP 31 28.00 0.3
S 31 54.90
YKA 83.77 23 eP 43 18.10 -0.1
0.6s 0.20nm 3.4mb
S.D. = 0.4 on 5 of 5 obs.

? JUN 11, 1992 10h 47m 24.93± 6.45s
17.686 N ±21.5km 63.212 W ±44.0km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 2.9 (TRN).

BSK 0.49 133 eP 47 34.78 -0.1
eS 47 43.85
SKI 0.57 128 eP 47 36.60 0.1
eS 47 46.19
CPB 1.32 92 eP 47 49.27 -0.1
eS 48 10.64
MGH 1.35 135 eP 47 49.76 -0.1
eS 48 09.49
ANG 1.42 112 eP 47 50.82 0.0
eS 48 11.01
S.D. = 0.1 on 5 of 5 obs.

JUN 11, 1992 11h 09m 50.28± 0.44s
6.963 S ± 5.0km 125.330 E ± 6.7km
DEPTH = 555.7 ± 7.8 km
5.2mb (16 obs.)
BANDA SEA (280)

PCI 8.14 317 iPc 11 52.10 1.8
0.7s 15.50nm 4.2mb
e 15 44.50
MTN 8.17 136 iPc 11 49.10 -1.6
0.6s 417.00nm 5.7mb
eS 13 23.00
KNA 9.36 159 eP 12 01.80 -0.8
0.3s 37.00nm 5.1mb
KHKI 9.74 261 ePd 12 04.60 -1.8
e(S) 13 50.50
e 16 28.70
MBL 15.08 200 iPd 13 00.40 0.3
0.5s 68.00nm 5.4mb
BIP 15.11 3 eP 13 00.00 -0.4
WB2 15.59 147 iPc 13 04.70 -0.4
0.4s 72.60nm 5.5mb
eS 15 46.90
PPR 17.88 338 iPd 13 29.00 1.7
PLP 18.01 359 ePc 13 29.20 0.6
NANU 18.16 210 iPd 13 31.30 1.4
0.4s 19.00nm 5.1mb
WWKK 18.51 81 eP 13 32.80 -0.6
ASPA 18.54 155 iPc 13 34.50 0.9
0.4s 102.00nm 5.8mb
iPcP 15 42.20
iS 16 34.60
QIS 19.34 136 iPc 13 40.90 -0.2
0.2s 22.00nm 5.4mb
MEEK 20.58 197 eP 13 52.50 -0.1
MRWA 23.82 201 eP 14 21.50 -0.4
CTA 24.13 125 iPc 14 24.70 -0.1
0.4s 87.71nm 5.7mb
BAL 24.87 198 eP 14 31.00 -0.3
KLB 25.50 195 eP 14 37.00 0.2
MUN 26.30 198 eP 14 43.60 -0.2
QLP 26.54 140 iPc 14 46.70 0.7
0.4s 60.00nm 5.6mb
STK 29.07 151 iPc 15 08.40 0.5
0.4s 14.50nm 5.0mb
eS 19 26.70
CMS 31.02 145 iPc 15 25.00 0.5
0.4s 3.00nm 4.3mb
ARMA 33.96 137 iPc 15 51.40 2.0
0.4s 14.00nm 4.9mb
CHG 36.51 315 eP 16 11.80 1.4
MAT 44.93 15 eP 17 17.00 -0.5
0.7s 14.38nm 4.6mb
LZH 47.34 336 iPd 17 36.80 0.7
1.4s 44.00nm 4.8mb
sP 17 50.00
GUN 51.51 314 P 18 06.80 -0.6
PKI 51.65 313 P 18 07.60 -0.8
KKN 51.87 314 P 18 09.00 -0.9
DMN 51.89 313 P 18 09.60 -0.5
GKN 52.46 313 P 18 13.40 -0.6
0.4s 18.00nm 4.8mb
URZ 56.10 132 P 18 39.10 -0.1
HBZ 56.77 131 P 18 44.40 0.6
NOZ 56.90 132 P 18 44.80 0.0
FBA 94.92 25 ePc 22 11.94 -2.0
YKA 109.73 25 ePKP 27 19.80 0.6
0.5s 0.10nm
S.D. = 1.0 on 36 of 36 obs.

JUN 11, 1992 12h 35m 04.09± 0.83s
40.215 N ± 7.7km 32.505 E ± 7.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

BBTK 0.42 152 iPg 35 11.80 -0.9
eS 35 17.20
SGKT 0.50 316 iPg 35 13.30 -0.9
eSg 35 20.20
NAL 0.92 270 iP 35 21.60 -0.2
eS 35 35.00
DVR 1.02 338 eP 35 22.40 -1.0
GYN 1.37 276 eP 35 29.00 -0.3
eS 35 49.00
KAS 1.50 39 iPgc 35 32.40 1.3
iSg 35 51.50
GPA 1.68 273 ePn 35 35.40 1.7
HRT 2.25 287 ePn 35 41.30 -0.6
IZI 2.32 274 ePn 35 44.30 1.3
YLV 2.42 279 ePn 35 44.00 -0.4
KCT 3.18 272 ePn 35 59.00 3.9X
S.D. = 1.2 on 10 of 11 obs.

? JUN 11, 1992 12h 47m 49.88± 3.65s
31.286 S ±46.8km 69.680 W ±34.2km
DEPTH = 130.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)
MD 3.8 (SAN).

RTCB 0.78 105 iPd 48 11.50 0.3
ZON 0.89 107 iPd 48 13.00 0.8
eS 48 26.00
RTLL 1.04 93 iPd 48 13.30 -0.2
S 48 27.00
CFA 1.27 105 ePc 48 15.00 -0.9
S 48 30.00
PEL 2.04 204 iP 48 25.30 0.5
iS 48 49.40
FCH 2.10 194 iPc 48 26.20 0.3
iS 48 51.90
PCH 2.43 197 iP 48 30.00 0.2
iS 48 58.60
TACH 2.59 204 iPd 48 31.80 0.0
iS 49 01.80
CHCH 2.76 197 iPc 48 34.00 -0.1
LNV 3.04 208 iPd 48 36.70 -0.9
S.D. = 0.6 on 10 of 10 obs.

& JUN 11, 1992 13h 15m 10.07s
63.524 N 152.434 W
DEPTH = 7.9km
CENTRAL ALASKA (1)
<AEIC>. ML 2.7 (AEIC).

KTH 0.68 87 eP 15 23.13 -0.6
eS 15 32.39
TRF 0.97 93 eP 15 28.19 -0.6
eS 15 41.59
HUR 1.38 112 eP 15 35.02 -0.6
eS 15 54.49
BWN 1.47 62 eP 15 37.19 0.4
eS 15 57.64
CUT 1.50 138 eP 15 36.58 -0.6
eS 15 58.17
MCK 1.58 81 eP 15 39.17 0.8
S 15 59.38
SKT 1.60 165 eP 15 37.78 -1.0
eS 16 00.53
RND 1.61 93 eP 15 37.52 -1.5
S 16 00.63
MLY 1.68 25 eP 15 37.73 -2.3
eS 16 00.40
TTA 1.73 251 P 15 42.00 1.4
NEA 1.82 53 eP 15 42.37 0.5
eS 16 06.94

11d 13h

NCG 2.13 176 eP 15 45.64 -0.9
WRH 2.14 62 eP 15 43.28 -3.2
eS 16 13.29
SUA 2.21 158 eP 15 49.14 1.4
S 16 18.35
PWA 2.22 147 P 15 49.70 2.0
CGLM 2.23 175 eP 15 48.01 0.0
eS 16 17.69
BGL 2.27 179 eP 15 49.12 0.6
CCB 2.32 59 eP 15 46.35 -2.9
CKL 2.34 179 eP 15 49.68 0.2
GHO 2.39 136 eP 15 48.96 -1.3
FBA 2.45 54 eP 15 49.56 -1.5
SML 2.56 130 eP 15 53.25 0.7
HDA 2.57 67 eP 15 51.72 -1.0
IMA 2.61 349 eP 15 52.06 -1.3
GLM 2.65 54 eP 15 52.33 -1.5
PMS 2.65 148 P 15 53.50 -0.4
KNK 2.81 137 eP 15 56.11 -0.1
SVW 2.84 213 eP 15 56.39 -0.3
SCM 2.90 123 eP 15 57.86 0.4
DJE 3.04 77 eP 16 00.33 1.0
RSO 3.08 183 eP 16 00.58 0.5
TOA 3.21 114 P 16 02.50 0.7
KLU 3.64 121 eP 16 05.86 -2.1
33 obs. associated

? JUN 11, 1992 13h 22m 05.69± 2.83s
31.551 S ±35.9km 69.988 W ±29.0km
DEPTH = 130.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)
MD 3.5 (SAN).

ZON 1.12 90 iPd 22 30.00 -0.1
eS 22 47.00
ROCH 1.66 211 iPd 22 36.90 0.7
iS 22 58.40
PEL 1.69 200 iP 22 36.40 0.0
iS 22 57.70
FCH 1.79 188 iPc 22 38.40 0.5
iS 23 00.20
PCH 2.11 192 iPc 22 41.90 0.3
iS 23 07.70
TACH 2.24 201 iPc 22 43.00 -0.2
iS 23 09.40
CHCH 2.44 193 iPd 22 45.30 -0.4
iS 23 14.40
LNV 2.68 206 iPd 22 47.90 -0.8
iS 23 18.40
S.D. = 0.6 on 8 of 8 obs.

• JUN 11, 1992 14h 01m 35.03± 0.56s
1.091 N ± 8.4km 124.251 E ±10.6km
DEPTH = 33.0km (normal)
4.7mb (5 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 4.84 246 ePc 02 48.60 1.2
eS 03 34.90
e 08 14.00
BIP 7.36 16 eP 03 23.50 0.5
WB2 23.13 155 eP 06 38.60 -0.8
0.4s 32.20nm 5.2mb
OIS 26.25 146 iPd 07 09.50 0.3
0.5s 6.00nm 4.5mb
ASPA 26.34 160 eP 07 10.10 0.1
0.5s 8.20nm 4.6mb
CHG 30.43 307 eP 07 49.10 2.1
STK 36.68 155 iPc 08 41.10 0.3
0.6s 5.30nm 4.6mb
LZH 39.63 334 iPd 09 07.00 1.3
1.5s 40.00nm 5.0mb
pP 09 14.50 25kmX
i 09 43.50
GUN 45.37 309 P 09 52.00 -0.8
PKI 45.57 309 P 09 53.60 -0.8
KKN 45.78 309 P 09 55.20 -0.6
DMN 45.83 309 P 09 55.60 -0.7
GKN 46.38 309 P 09 59.60 -0.9
HYB 47.75 293 eP 10 10.00 -1.4
S.D. = 1.1 on 14 of 14 obs.

JUN 11, 1992 14h 31m 03.09± 0.82s
40.348 N ± 6.0km 142.992 E ±11.6km
DEPTH = 59.7 ± 7.6 km
3.8mb (1 obs.)
NEAR EAST COAST OF HONSHU, JAPAN(228)

OFUJ 1.63 219 iPd 31 29.20 -0.6
S 31 50.60
AOMJ 2.01 277 P 31 34.60 -0.6
HOOJ 2.05 6 eP 31 36.60 0.9
S 32 00.60
MRRJ 2.53 326 eP 31 42.50 0.1
eS 32 11.60
KUSJ 3.03 25 P 31 48.70 -0.9
S 32 23.40
YAMJ 3.16 228 P 31 51.80 0.3
ASAJ 3.78 356 eP 32 00.50 0.4
NIIJ 4.40 226 iPd 32 09.60 0.8
KAKJ 4.69 209 iPd 32 11.00 -2.0
CHJJ 5.32 218 iPd 32 21.20 -0.7
MAT 5.34 226 eP 32 23.00 0.8
1.0s 37.00nm 4.6mb X
(S) 33 31.00
MTMJ 5.54 229 iPd 32 25.80 0.8
IIDJ 6.30 221 iP+ 32 36.40 0.8
BJI 20.47 278 eP 35 35.00 -3.1X
IMA 43.22 32 eP 39 10.90 11.3X
CHG 43.36 254 eP 39 14.00 12.8X
CHTO 43.36 254 (P) 39 02.40 1.3
pP 39 14.00 41kmX
GUN 48.12 274 P 39 39.60 0.3
KKN 48.64 274 P 39 42.80 -0.4
PKI 48.65 273 P 39 42.40 -1.0
DMN 48.87 274 P 39 43.60 -1.3
GKN 49.02 274 P 39 46.00 0.0
WRA 60.52 189 P 41 10.20 1.0
0.7s 0.60nm 3.8mb
S.D. = 1.0 on 20 of 23 obs.

JUN 11, 1992 15h 32m 04.10± 0.77s
43.014 N ± 7.5km 0.434 E ± 7.3km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 3.0 (LDG).

EPF 0.07 284 Pg 32 07.20 0.7
Sg 32 09.40
ENSF 0.22 199 Pg 32 08.29 -0.7
Sg 32 10.97
SALF 0.61 114 Pg 32 17.09 0.6
GRBF 0.83 102 Pg 32 20.34 0.2
LPO 1.76 18 Pg 32 38.70 4.0X
Sg 33 02.90
LFF 1.94 6 Pg 32 42.90 5.5X
Sg 33 07.40
CAF 2.24 31 Pn 32 40.70 -1.2
Pg 32 47.90
Sg 33 18.60
RJF 2.42 18 Pn 32 44.70 0.4
Pg 32 51.00
Sg 33 22.80
TCF 3.51 21 Pg 33 12.10 12.3X
Sg 33 57.30
MFF 3.61 354 Pg 33 12.50 11.3X
Sg 33 58.20
BGF 3.94 25 Pg 33 20.00 14.1X
Sg 34 11.80
S.D. = 1.0 on 6 of 11 obs.

? JUN 11, 1992 16h 20m 29.20± 3.59s
33.338 N ±23.7km 141.475 E ±20.8km
DEPTH = 70.9 ± 28.5 km
4.9mb (4 obs.)
OFF EAST COAST OF HONSHU, JAPAN (229)

MAT 4.17 321 iPd 21 31.90 0.1
iS 22 16.60
GUN 47.68 279 P 29 01.40 0.5
PKI 48.19 279 P 29 04.00 -0.9
KKN 48.22 279 P 29 05.40 0.5
DMN 48.43 279 P 29 04.80 -1.8
GKN 48.67 280 P 29 08.80 0.4
WB2 53.42 188 eP 29 46.30 2.4X
0.2s 12.60nm 5.6mb
WRA 53.42 188 P 29 47.00 3.1X
0.6s 6.20nm 4.8mb
ASPA 57.14 188 eP 30 11.50 0.6
0.6s 6.30nm 4.9mb
NB2 77.61 338 P 32 20.80 1.9
1.0s 2.20nm 4.1mb
PV10 83.18 48 P 32 48.00 -1.3
S.D. = 1.4 on 9 of 11 obs.

JUN 11, 1992 16h 30m 30.28± 0.88s
5.568 S ± 4.5km 127.364 E ± 7.0km
DEPTH = 417.2 ± 11.6 km
4.8mb (19 obs.)
BANDA SEA (280)

MTN 8.13 153 iPd 32 27.80 -0.1
0.5s 575.00nm 6.1mb X
PCI 8.83 301 ePc 32 41.00 5.2X
0.8s 8.50nm 4.1mb
KNA 10.21 172 eP 32 52.00 0.2
KHKI 11.99 256 ePc 33 12.00 0.0
eS 35 22.00
e 36 50.00
BIP 13.75 355 eP 33 30.50 -0.4
WB2 15.82 155 eP 33 51.90 -0.8
0.3s 70.70nm 5.6mb
eS 36 34.70
OIS 19.06 143 iPd 34 25.60 0.6
0.2s 22.00nm 5.3mb
eS 37 39.00
ASPA 19.06 161 iPc 34 26.10 1.0
0.2s 141.60nm 6.1mb X
eS 37 36.70
NANU 20.40 213 iPd 34 39.30 1.3
0.6s 67.00nm 5.3mb
MEEK 22.56 201 iPc 34 58.00 -0.3
FORT 25.09 179 eP 35 21.00 -0.2
COOL 25.85 192 eP 35 27.00 -1.2
MRWA 25.86 203 eP 35 28.20 0.0
0.4s 9.00nm 4.6mb
BAL 26.85 201 eP 35 36.50 -0.5
KLB 27.41 198 iPc 35 41.70 -0.2
0.4s 52.00nm 5.3mb
MUN 28.27 200 eP 35 49.00 -0.5
STK 29.37 155 iPc 35 59.20 0.1
0.5s 29.60nm 4.9mb
e 37 12.30
eS 40 20.00
CMS 31.06 148 iPd 36 14.00 0.3
0.4s 3.00nm 4.0mb
KHT 34.96 306 eP 36 48.20 1.3
BDT 36.04 310 ePd 36 56.80 0.9
0.6s 28.60nm 4.8mb
SSE 36.93 351 Pc 37 03.00 -0.1
0.8s 16.00nm 4.4mb
CHG 37.03 312 ePd 37 05.50 1.4
1.0s 31.25nm 4.6mb
KMI 38.78 323 Pc 37 20.00 1.3
1.0s 40.00nm 4.7mb
MAT 43.10 13 iPd 37 52.30 -0.9
0.8s 24.63nm 4.6mb
OFUJ 46.36 15 P 38 18.70 0.2
BJI 46.54 348 eP 38 19.00 -0.9
1.0s 31.00nm 4.6mb
LZH 46.94 334 iPd 38 24.00 0.7
1.5s 71.00nm 4.8mb
pP 39 01.50 168kmX
GUN 52.05 312 P 39 01.20 -0.8
PKI 52.21 311 Pd 39 01.80 -1.4
KKN 52.43 311 Pd 39 03.60 -1.0
DMN 52.46 311 Pd 39 04.00 -0.9
0.8s 61.00nm 5.0mb
GKN 53.02 311 Pd 39 08.00 -0.9
HYB 53.33 296 ePc 39 10.50 -0.6
CSY 61.74 188 eP 40 08.10 0.1
0.3s 7.70nm 4.7mb
MAW 75.33 201 iPd 41 44.80 14.5X
1.0s 25.00nm
MAIO 75.75 309 iPd 41 34.80 1.4
SDN 84.53 33 eP 42 18.67 0.0
0.6s 71.11nm 5.6mb
IMA 90.59 24 eP 42 47.53 0.2
0.8s 2.60nm 4.2mb
BALM 94.97 29 eP 43 08.19 0.7
S.D. = 0.8 on 37 of 39 obs.

& JUN 11, 1992 17h 50m 42.55s
59.745 N 153.455 W
DEPTH = 121.1km
SOUTHERN ALASKA (2)
<AEIC>.

IVS 0.33 35 eP 50 59.82 1.1
INW 0.36 27 ePc 50 59.23 -1.0
eS 51 12.50
AUL 0.36 178 iPc 50 59.45 -0.7

INE 0 37 32 ePc 50 59.49 -0.9
eS 51 13.03
PDB 0.38 277 ePc 50 59.21 -1.0
eS 51 11.59
AUH 0 38 179 eP 50 59.77 -0.5
AUP 0 38 177 eP 50 59.73 -0.6
AUE 0.39 174 ePc 50 59.48 -0.7
AUI 0.41 178 eP 50 59.51 -0.8
eS 51 12.26
MCNL 0.72 219 iPd 51 01.42 -1.0
eS 51 15.83
RED 0.76 27 ePd 51 01.99 -0.9
RS1 0.80 26 ePd 51 02.60 -0.7
eS 51 17.87
RS2 0.80 26 ePd 51 02.59 -0.8
eS 51 17.87
RSO 0.80 26 ePd 51 02.58 -0.8
eS 51 17.83
CDD 0.82 187 ePd 51 02.36 -1.0
eS 51 17.85
REF 0.84 26 ePd 51 02.83 -0.8
eS 51 18.56
HOM 0.92 95 eP 51 03.20 -1.0
eS 51 19.81
DFR 0.93 24 iPd 51 03.63 -0.8
eS 51 19.88
RDT 0.98 32 iPd 51 04.03 -0.9
eS 51 20.15
NNL 1.13 74 ePc 51 06.13 -0.1
CNPM 1.15 100 ePc 51 05.17 -1.3
eS 51 23.22
SYI 1.26 154 eP 51 06.67 -1.0
eS 51 24.66
BKG 1.46 23 iPd 51 09.40 -0.6
eS 51 29.97
CKL 1.56 20 iPd 51 10.73 -0.5
eS 51 32.07
SPU 1.60 25 ePd 51 10.89 -0.8
BGL 1.61 19 ePd 51 11.52 -0.3
CKN 1.61 22 eP 51 11.51 -0.3
CPKM 1.64 21 eP 51 11.89 -0.4
CGLM 1.72 24 ePd 51 12.60 -0.6
SVW 1.74 323 eP 51 11.75 -1.6
NCG 1.78 21 eP 51 13.53 -0.4
SLKM 1.79 63 eP 51 12.82 -1.1
SEW 2.05 78 eP 51 15.66 -1.4
S 51 40.56
KDC 2.07 166 iPd 51 14.96 -2.3
iS 51 40.14
SUA 2.18 37 ePd 51 18.22 -0.7
eS 51 45.88
SKT 2.43 22 ePd 51 21.42 -0.7
PMS 2.44 50 P 51 21.20 -1.1
S 51 49.60
PTE 2.48 61 eP 51 21.39 -1.2
PWA 2.60 41 P 51 24.20 0.0
S 51 53.90
PLRM 2.82 47 eP 51 25.38 -1.8
KNK 2.98 54 eP 51 27.06 -2.2
eS 52 00.85
GHO 3.01 46 eP 51 27.73 -2.1
CUT 3.09 29 eP 51 29.56 -1.1
SML 3.25 48 ePd 51 30.70 -2.3
TTA 3.43 340 iP 51 33.63 -1.7
HIN 3.55 76 eP 51 34.29 -2.6
SCM 3.66 52 eP 51 36.42 -2.1
VLZ 3.79 65 ePc 51 38.36 -1.8
CVA 3.94 75 eP 51 40.20 -1.9
TRF 4.02 21 eP 51 41.84 -1.5
KLU 4.11 61 eP 51 42.18 -2.3
TOA 4.27 53 eP 51 44.64 -2.1
RND 4.28 29 eP 51 45.35 -1.5
KAIM 4.56 84 eP 51 48.77 -1.8
SDG 4.74 51 eP 51 51.34 -1.7
PAX 5.02 46 eP 51 54.80 -2.2
GLB 5.05 66 eP 51 55.64 -1.6
WRH 5.37 26 eP 51 59.27 -2.3
TGL 5.39 75 eP 51 59.93 -2.0
CCB 5.58 26 eP 52 01.98 -2.5
HDA 5.58 30 eP 52 02.41 -2.1
BALM 5.66 72 eP 52 04.18 -1.5
YAH 5.90 79 eP 52 07.59 -1.5
IMA 6.35 359 eP 52 13.35 -1.8
0.7s 1.77nm 3.5mb X
64 obs. associated

JUN 11, 1992 18h 19m 07.66± 0.78s
26.352 S ± 6.0km 27.425 E ± 9.4km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
mbLg 3.4 (BUL).

PRY 0.58 176 iPd 19 18.30 -0.9
S 19 24.40
KSR 0.68 315 iPc 19 21.50 0.2
S 19 30.00
SLR 0.99 52 iPd 19 28.10 1.2
S 19 40.50
SEK 1.97 175 iPd 19 43.60 1.4
S 20 06.80
FRS 3.86 208 iPc 20 05.00 -4.0X
S 20 45 40
JOZ 4.30 106 eP 20 14.50 -0.7
S 21 02.50
BUL 6.28 10 iPn 20 43.10 -0.2
iSn 21 53.00
iSg 22 22.00
KRI 9.69 13 iPn 21 30.00 -1.0
iSn 23 15.00
iSg 24 09.40
S.D. = 1.2 on 7 of 8 obs.

? JUN 11, 1992 18h 23m 19.77± 1.09s
41.300 N ±13.9km 97.818 E ±10.2km
DEPTH = 10.0km (geophysicist)
WESTERN NEI MONGOL, CHINA (323)

WMQ 7.89 292 eP 25 17.60 0.3
S 26 46.80
BTO 9.26 90 eP 25 33.00 -3.4X
HHC 10.39 88 P 25 51.60 -0.4
Z 11s 0.74um
CD2 11.42 153 eP 26 06.80 0.8
LSA 12.78 207 eP 26 24.00 -0.7
S.D. = 1.2 on 4 of 5 obs.

JUN 11, 1992 18h 29m 40.56± 0.14s
31.344 N ± 2.9km 140.885 E ± 3.2km
DEPTH = 52.1km (20 depth phases)
5.5mb (109 obs.)
SOUTH OF HONSHU, JAPAN (211)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 45C
Centroid Location:
Origin Time 18:29:43.7 0.3
Lat 31.32N 0.04 Lon 141.15E 0.03
Dep 48.3 2.6 Half-duration 2.0
Moment Tensor; Scale 10**17 Nm
Mrr= 1.25 0.04 Mtt=-0.01 0.07
Mff=-1.24 0.06 Mrt= 0.19 0.10
Mrf= 1.15 0.09 Mtf=-0.07 0.07
Principal Axes:
T Val= 1.72 Plg=68 Azm=284
N -0.02 3 186
P -1.70 22 95
Best Double Couple:Mo=1.7*10**17
NP1:Strike=179 Dip=24 Slip= 82
NP2: 8 67 93

IIDJ 4.82 330 P 30 52.50 0.1
KAKJ 4.88 353 P 30 51.30 -2.0
CHJJ 4.95 342 P 30 53.00 -1.2
eS 31 50.80
WKYJ 5.30 304 eP 31 00.50 1.3
MAT 5.64 338 eP 31 04.00 0.1
1.1s 224.05nm 5.4mb
eS 32 08.00
SHK 7.60 297 eP 31 35.20 3.9X
KAGJ 8.56 272 eP 31 50.00 5.5X
KUMJ 8.63 281 P 31 50.50 5.0X
SHNJ 8.69 291 P 31 53.00 6.7X
YSS 15.71 5 ePc 33 15.00 -4.9X
0.8s 30.00nm 4.5mb
Z 16s 1.50um 4.4MszX
N 16s 2.40um
E 16s 1.00um
eS 35 57.00
MDJ 15.94 329 eP 33 22.80 0.0
1.0s 46.00nm 4.6mb
Z 24s 4.89um 4.1Msz
N 16s 1.65um
E 10s 1.40um
SSE 16.86 274 Pc 33 37.80 3.4X
1.0s 36.00nm 4.5mb X
Z 20s 3.70um 4.7MszX
N 12s 1.00um
E 14s 1.10um
pP 33 46.50
sP 33 50.80
SNY 17.37 312 Pc 33 40.00 -0.6
0.8s 48.00nm 4.7mb
Z 22s 3.88um 4.9Msz
N 16s 2.56um
E 16s 2.14um
PP 33 58.00
CN2 17.41 320 Pc 33 40.00 -1.2
1.0s 44.00nm 4.6mb
Z 15s 4.06um 4.0Msz
N 14s 2.78um
E 14s 2.01um
esP 33 52.00
eS 36 53.00
DL2 17.45 301 eP 33 42.00 0.3
0.8s 73.00nm 4.9mb
Z 16s 2.10um 4.5MszX
N 16s 2.55um
E 16s 2.54um
GUMO 18.05 167 Pn 33 50.00 0.7
1.2s 1211.90nm 5.9mb
e 33 57.20
PJG 18.05 167 Pn 33 50.40 1.1
GUA 18.11 167 Pn 33 49.50 -0.5
0.7s 334.25nm 5.6mb
GUA 18.11 167 P 33 51.20 1.2
TATO 18.23 254 eP 33 54.90 3.5X
1.0s 160.00nm 5.1mb
NJ2 18.76 278 Pc 33 57.80 -0.1
1.0s 72.00nm 4.8mb
N 13s 1.07um
E 15s 0.90um
pP 34 10.00
TIA 20.32 290 eP 34 13.60 -1.2
Z 16s 4.24um 4.9MszX
E 16s 3.34um
sP 34 35.50
QZH 20.65 258 eP 34 18.00 -0.2
E 16s 1.55um
sS 38 19.00
BJI 21.81 300 eP 34 29.00 -0.8
1.0s 88.00nm 5.1mb
Z 19s 3.93um 4.8Msz
N 17s 1.66um
eS 38 24.00
eSS 38 59.00
PIP 22.45 239 iPd 34 36.00 -0.3
WHN 22.76 275 Pc 34 41.50 2.2
0.6s 47.00nm 5.1mb
Z 18s 3.01um 4.8Msz
N 16s 1.46um
E 16s 2.59um
sP 34 59.00
eS 38 44.00
TIY 24.23 293 Pc 34 53.50 -0.1
0.7s 130.00nm 5.6mb
Z 18s 4.63um 5.0Msz
N 15s 1.38um
E 17s 3.10um
sP 35 13.00
S 39 09.00
PLP 24.90 220 ePc 35 00.50 0.4
TGY 25.09 231 ePc 35 07.00 5.1X
HHC 25.42 300 P 35 04.10 -0.9
0.8s 31.00nm 4.9mb
Z 19s 6.00um 5.1Msz
N 16s 1.14um
E 20s 3.28um
S 39 30.00
MAP 26.14 220 ePc 35 11.00 -0.7
BTO 26.52 299 eP 35 14.50 -0.6
0.8s 90.00nm 5.4mb
N 17s 1.55um
E 17s 4.38um
ePP 35 57.00
S 39 47.00
XAN 26.98 284 eP 35 17.60 -1.7
0.8s 120.00nm 5.6mb
E 14s 0.97um
pP 35 32.50 62km
CIT 28.72 324 eP 35 34.50 -0.4
e 40 21.00

11d 18h

e 46 14.00
MGD 29.51 10 ePc 35 40.00 -1.8
0.8s 30.00nm 5.0mb
Z 18s 0.90um 4.4Msz
N 18s 0.70um
e 35 47.00 24kmX
e 36 36.00
eS 40 29.00
eSS 42 00.00
GYA 30.28 269 P 35 48.00 -1.1
Z 18s 4.12um 5.1Msz
N 15s 1.25um
E 15s 1.04um
LZH 31.05 289 iPd 35 54.50 -1.4
1.5s 65.00nm 5.1mb
Z 28s 1.76um 4.6MszX
N 12s 0.67um
sP 36 09.50
PcP 38 50.50
eS 40 50.00
ScP 42 30.00
PcS 42 35.50
ScS 46 25.50
YAK 31.53 350 iPd 35 59.00 -0.6
Z 18s 1.30um 4.6Msz
N 20s 0.90um
E 14s 0.50um
ePPP 37 20.00
eS 41 02.00
e 46 24.00
CD2 31.69 279 P 35 59.50 -1.9
E 13s 1.71um
BOD 32.21 333 iPc 36 05.80 0.3
0.9s 30.00nm 5.1mb
ZAK 33.73 315 iPd 36 20.00 1.1
2.0s 95.00nm 5.4mb
Z 16s 1.90um 4.9MszX
E 16s 1.75um
e 37 26.00 341kmX
eS 41 38.00
IRK 33.84 319 eP 36 20.50 0.7
Z 20s 1.18um 4.6Msz
E 18s 0.61um
e 37 31.10 370kmX
KMI 34.05 269 Pc 36 22.50 0.3
1.0s 30.00nm 5.2mb
Z 15s 1.80um 4.9MszX
N 14s 0.70um
E 14s 1.20um
sP 36 40.50
KKM 34.17 228 ePd 36 27.60 4.5X
GTA 34.21 295 P 36 22.00 -1.3
1.5s 28.00nm 5.0mb
Z 16s 3.77um 5.2MszX
E 16s 2.68um
pP 36 35.50 52km
sP 36 40.40
PP 37 35.50
PcP 38 59.00
S 41 42.00
sS 42 02.00
ScP 42 40.50
PcS 42 44.50
SS 43 50.00
ScS 46 40.50
MOY 35.54 317 eP 36 35.50 1.2
RAB 36.94 161 e(P) 36 45.00 -1.4
CHG 39.76 262 ePd 37 10.30 0.2
0.9s 25.84nm 5.1mb
KHT 41.97 257 eP 37 28.50 0.3
NNT 42.18 253 eP 37 31.40 1.5
WMQ 43.26 302 P 37 38.20 -0.4
1.5s 50.00nm 5.0mb
Z 21s 1.63um 4.9Msz
N 14s 0.74um
pP 37 46.00 26kmX
sP 37 51.50
PP 39 21.00
PcP 39 27.60
ScP 43 14.00
PcS 43 19.00
S 44 01.00
ScS 47 35.00
ILT 43.48 21 iPd 37 39.00 -0.9
1.0s 70.00nm 5.4mb
eS 44 00.00
IPM 45.91 243 ePd 38 01.70 1.7

ANM 46.73 29 eP 38 07.00 1.1
GUN 47.52 281 P 38 10.40 -2.7X
PKI 48.03 280 P 38 14.80 -2.2
0.6s 28.00nm 5.5mb
KKN 48.07 281 P 38 15.00 -2.2
NRI 48.14 338 iPc 38 15.00 -1.9
1.9s 64.00nm 5.3mb
Z 16s 1.00um 4.9MszX
E 16s 0.90um
e 38 32.00 67kmX
SEM 48.22 312 iPc 38 17.00 -0.8
1.0s 123.00nm 5.9mb
Z 15s 1.80um 5.2MszX
N 15s 0.60um
E 15s 1.50um
e 39 44.00 443kmX
e 40 55.00
e 45 14.40
e 48 01.20
DMN 48.27 281 P 38 16.60 -2.2
0.8s 32.00nm 5.4mb
GKN 48.54 281 P 38 18.60 -2.1
SVW 50.36 34 ePc 38 33.84 -0.3
epP 38 48.13 54km
TTA 50.40 32 eP 38 33.16 -1.3
0.9s 14.81nm 5.0mb
epP 38 47.58 54km
WB2 51.38 188 eP 38 40.20 -2.0
0.6s 24.60nm 5.4mb
e 39 50.60 336kmX
eS 45 17.70
WRA 51.38 188 P 38 40.50 -1.7
0.6s 12.90nm 5.1mb
CTA 51.40 174 iPd 38 42.30 0.0
0.6s 58.67nm 5.8mb
QIS 51.62 182 iPd 38 42.60 -1.4
0.4s 5.00nm 4.9mb
KDC 51.76 39 eP 38 42.70 -2.0
0.9s 14.68nm 5.0mb
epP 38 57.34 55km
BRW 51.83 21 eP 38 44.84 -0.2
IMA 51.85 28 eP 38 44.35 -1.1
epP 38 58.96 55km
CRP 52.05 34 ePc 38 46.04 -1.0
KSH 52.51 298 P 38 51.40 0.6
Z 20s 2.00um 5.2Msz
E 14s 2.05um
SLKM 52.97 35 eP 38 51.33 -2.4
PMS 53.30 34 eP 38 54.40 -1.8
1.1s 29.10nm 5.2mb
PMR 53.51 34 eP 38 55.68 -1.9
0.8s 18.27nm 5.2mb
epP 39 09.93 53km
NDI 54.51 285 iPc 39 03.50 -1.9
0.5s 56.34nm 5.9mb
TOA 54.91 33 eP 39 08.00 0.0
0.9s 28.40nm 5.3mb
KLU 55.05 34 ePc 39 07.85 -1.2
epP 39 21.56 50km
ASPA 55.11 188 iPc 39 07.70 -2.0
0.5s 39.10nm 5.7mb
eS 46 43.30
MBL 55.97 204 iPc 39 14.80 -1.2
0.5s 21.00nm 5.4mb
BALM 56.81 34 eP 39 20.18 -1.5
epP 39 34.60 53km
GAR 56.89 299 eP 39 21.10 -1.5
HYB 57.77 272 eP 39 28.00 -1.0
1.0s 50.00nm 5.6mb
RMQ 58.00 172 eP 39 30.00 -0.2
DZM 58.49 152 iPc 39 34.30 0.4
WARB 58.80 195 iPd 39 35.00 -0.9
0.7s 17.00nm 5.3mb
SVE 59.20 321 iPc 39 38.00 -0.3
1.5s 250.00nm 6.1mb
e 39 55.00 64kmX
e 40 30.00
e 47 44.00
ARU 60.39 321 ePc 39 45.30 -1.2
1.0s 200.00nm 6.2mb
Z 17s 1.00um 5.0MszX
N 16s 1.00um
E 18s 1.20um
e 39 58.00 45km
e 40 02.00
eS 47 53.00
POO 61.30 275 iPd 39 52.80 -0.5

1.0s 50.00nm 5.6mb
ARMA 62.27 170 eP 40 00.00 0.5
CMS 62.66 175 eP 40 02.00 0.1
STK 62.89 179 iPc 40 02.60 -0.8
0.8s 10.40nm 5.0mb
FORT 62.97 192 eP 40 02.00 -2.0
MAIO 65.89 299 iPd 40 24.00 0.9
eS 49 40.00
ASH 66.12 301 eP 40 25.00 0.5
KAT 67.16 303 iP- 40 33.00 1.9
Z 14s 0.80um 5.1MszX
N 14s 0.50um
E 14s 1.00um
e 41 07.00 140kmX
eS 49 25.00
ePS 49 45.00
e 50 22.00
APA 67.74 337 iPd 40 34.10 -0.2
KEV 68.61 340 iP 40 39.30 -0.4
TOO 68.69 176 iPd 40 41.60 1.1
1.0s 69.00nm 5.6mb
YKA 68.97 29 eP 40 40.20 -1.8
0.9s 9.20nm 4.7mb
BAK 71.17 306 eP 40 54.00 -1.7
iS 50 09.00
GMW 71.53 45 eP 40 58.00 0.1
epP 41 12.00 49km
MOS 71.59 325 iPd 40 59.00 1.0
Z 16s 1.80um 5.4MszX
e 41 18.00 71kmX
e 43 36.00
eS 50 06.00
BMW 71.73 46 ePc 40 59.28 0.1
SHE 71.93 307 iPc 41 00.00 -0.3
0.8s 180.00nm 6.1mb
iS 50 16.00
RMW 72.16 45 eP 41 01.85 0.1
OBN 72.41 324 iPd+ 41 03.50 0.6
1.0s 87.00nm 5.6mb
Z 16s 1.20um 5.3MszX
N 16s 0.50um
E 16s 0.90um
e 41 19.00 56km
eS 50 20.00
ePS 51 14.00
SMW 72.47 46 eP 41 04.69 1.0
LON 72.48 46 eP 41 03.43 -0.2
PcP 41 14.59
PNT 72.60 43 eP 41 04.00 -0.2
GRO 72.69 310 iPc+ 41 05.50 0.7
0.8s 250.00nm 6.2mb
Z 16s 3.00um 5.7MszX
N 14s 1.00um
E 18s 3.50um
KAF 73.17 333 iP 41 06.60 -0.6
0.7s 36.00nm 5.4mb
SHI 73.98 295 eP 41 13.00 0.3
GRS 74.01 307 iPc 41 13.00 0.2
1.5s 200.00nm 5.8mb
eS 50 42.00
PYA 74.07 312 iPd 41 13.00 0.2
1.5s 130.00nm 5.6mb
Z 20s 1.00um 5.1Msz
i 41 26.00 45km
DPW 74.12 43 ePd 41 12.42 -0.7
epP 41 26.76 50km
NUR 74.77 333 iP 41 16.00 -0.5
0.7s 36.00nm 5.4mb
ERE 74.94 308 iP 41 19.00 1.0
eS 51 16.00
e 51 40.00
ORV 76.07 52 eP 41 23.49 -0.9
epP 41 38.19 52km
SOC 76.40 313 iP 41 27.50 1.4
e 41 41.00 47km
SES 76.83 39 eP 41 28.00 -0.4
ARN 77.13 54 ePd 41 30.26 -0.1
sP 41 49.52
ANN 77.22 315 eP 41 31.00 0.4
Z 16s 0.50um 4.9MszX
MNK 77.48 326 eP 41 30.00 -1.8
Z 20s 1.43um 5.3Msz
E 20s 0.86um
UPP 77.87 334 iP 41 33.70 -0.2
LRM 78.55 43 eP 41 37.80 -0.5
PHAM 78.68 55 (P) 41 26.79 -12.1X
HFS 79.09 336 eP 41 39.90 -0.7

```
      0.4s      6.20nm          4.9mb
  Z   18s      0.49um           4.9Msz
                LR      13 43.00
GDH   79.15   5 iPd    41 42.00    1.3
      0.9s     33.61nm          5.3mb
NB2   79.26 338 P      41 41.30   -0.3
      0.8s     36.80nm          5.4mb
FCC   79.29  26 eP     41 42.50    0.9
SVST  80.16 311 eP     41 58.50   11.6X
TRHT  80.34 311 eP     41 59.00   11.2X
HVU   80.59  47 eP     41 49.91    0.7
KIS   80.91 320 iPc+   41 49.50   -1.0
  Z   14s      0.40um           4.9MszX
                i      42 04.00   50km
KAS   81.30 313 eP     41 55.00    2.2
DUG   81.44  48 eP     41 54.15    0.5
      1.0s      7.65nm          4.6mb
PEC   81.96  55 eP     41 55.82   -0.5
      0.8s      4.40nm          4.5mb
                PcP    42 03.66
DAU   82.30  47 eP     41 58.87    0.5
ARUT  82.38  50 eP     41 58.96    0.4
DVR   82.51 314 iP     42 00.00    0.9
MSU   82.80  49 eP     42 01.42    0.6
SGKT  82.82 313 iP     42 02.50    1.6
EMUT  82.92  47 eP     42 01.62    0.1
ISR   83.33 320 eP     42 05.00    1.8
UZH   83.35 324 eP     42 04.50    1.3
      0.8s    100.00nm          5.9mb
  Z   18s      1.50um           5.4Msz
  E   18s      1.00um
                e      42 22.20   64kmX
MLR   83.45 320 ePd    42 05.00    1.1
NAL   83.50 313 iP     42 06.00    1.7
SRU   83.51  48 ePc    42 04.61    0.1
OJC   83.52 326 eP     42 05.40    1.4
      1.0s    162.00nm          6.0mb
GYN   83.77 314 iP     42 06.20    0.5
GLA   84.05  55 eP     42 07.26    0.2
HRT   84.14 315 iP     42 07.30   -0.1
BHL   84.24 306 P      42 08.00   -0.1
RAC   84.36 327 eP     42 09.00    0.8
      1.0s      0.27nm          3.3mb X
                i      42 10.40    4kmX
                e      42 23.00
COZ   84.43 321 eP     42 10.50    1.6
HRI   84.53 306 eP     42 15.40    5.8X
IZI   84.55 314 iP     42 10.30    0.8
CTT   84.69 315 eP     42 11.30    1.2
KSP   84.70 328 ePc    42 10.30    0.4
      0.9s    129.00nm          6.0mb
                id     42 11.40    4kmX
                i      42 24.60
FAM   84.75 308 eP     42 11.00    0.5
CSS   85.22 308 eP     42 14.60    1.7
KCT   85.28 315 eP     42 13.70    0.6
BNT   85.48 315 eP     42 14.70    0.6
JVI   85.55 305 eP     42 20.30    5.7X
BRG   85.72 329 iP     42 15.80    0.8
      1.0s     40.00nm          5.6mb
                i      42 23.60   25kmX
                i      42 31.70
                e      45 34.00
CLL   85.80 330 iPc    42 15.40    0.0
      1.3s    105.00nm          5.9mb
                e      42 30.00   50km
SRO   85.88 325 eP     42 15.60   -0.2
PPCY  85.93 309 eP     42 16.60    0.3
PRU   86.10 329 P      42 17.20    0.3
  Z   14s      0.50um           5.1MszX
  N   16s      0.30um
  E   15s      0.30um
                e      45 37.00
GOL   86.36  45 ePd    42 19.79    1.0
      0.5s      2.02nm          4.6mb
UZD   86.59 324 eP     42 19.00   -0.4
MOX   86.88 330 eP     42 20.70   -0.1
      1.8s     53.00nm          5.5mb
  Z   19s      0.20um           4.5Msz
HOF   87.02 330 iPd    42 22.40    0.9
MBH   87.10 303 eP     42 27.30    5.0X
KHC   87.15 328 P      42 23.00    0.9
      1.0s     12.50nm          5.1mb
  Z   18s      0.70um           5.1Msz
  N   18s      0.50um
  E   18s      0.50um
                e      42 43.00   73kmX
                e      46 05.00
WIT   87.18 334 eP     42 24.00    1.9
                e      42 40.50   58km
EDU   87.24 341 ePd    42 23.30    0.9
GEC2  87.31 328 P      42 22.30   -0.7
      0.7s      5.98nm          4.9mb
ELO   87.50 341 ePd    42 24.10    0.4
      0.8s     21.00nm          5.4mb
ESY   87.67 340 ePd    42 25.30    0.8
      1.0s     23.00nm          5.4mb
GRF   87.77 330 iPc    42 25.60    0.5
      1.6s     45.00nm          5.4mb
  Z   18s      0.50um           5.0Msz
WTS   87.77 334 eP     42 25.50    0.5
      1.0s     15.00nm          5.2mb
EAB   87.92 341 ePd    42 26.40    0.7
EBL   87.92 341 ePd    42 26.50    0.8
      1.1s     16.00nm          5.2mb
VAY   88.01 318 iP     42 26.80    0.5
SKO   88.21 319 iP     42 27.00   -0.3
                i      42 42.50   54km
EKA   88.34 340 Pd     42 28.60    0.9
      1.5s     39.40nm          5.4mb
BHG   88.51 328 iPd    42 29.80    1.2
      1.2s     62.00nm          5.8mb
KBA   88.77 327 iPc    42 28.90   -1.2
      0.7s     10.90nm          5.3mb
                i      42 30.30    4kmX
                i      42 45.00
FUR   88.89 329 eP     42 31.10    0.6
      1.0s     33.00nm          5.6mb
LJU   88.96 326 e(P)   42 31.00    0.2
VBY   89.00 325 eP     42 31.00    0.0
ENN   89.09 333 eP     42 32.00    0.7
      1.0s     20.00nm          5.4mb
OHR   89.14 319 eP     42 30.70   -1.2
CEY   89.23 326 eP     42 32.00   -0.2
VOY   89.27 326 iP     42 31.50   -0.9
FVI   89.38 327 P      42 32.30   -0.5
WTTA  89.41 328 i(P)   42 33.50    0.3
      0.8s     13.90nm          5.3mb
OGA   89.98 328 iPd    42 36.50    0.6
      1.0s     43.00nm          5.7mb
CTI   90.31 327 P      42 36.80   -0.5
SLE   90.41 330 ePd    42 37.60    0.0
CDF   90.41 331 P      42 37.64    0.0
LIBD  90.48 331 P      42 38.15    0.3
OSS   90.52 329 ePd    42 39.00    0.7
FEL   90.52 330 P      42 37.75   -0.5
ECH   90.62 331 P      42 38.81    0.3
ZLA   90.67 330 ePd    42 39.00    0.2
LLS   90.88 329 ePd    42 40.50    0.5
MOF   90.91 331 P      42 39.75   -0.2
VDL   90.97 329 ePd    42 40.90    0.5
BBS   91.06 330 P      42 40.82    0.2
BSF   91.07 331 eP     42 40.70    0.0
      1.0s     25.80nm          5.6mb
VITF  91.09 332 P      42 40.83    0.1
HAU   91.11 331 eP     42 40.90    0.1
      1.0s     19.00nm          5.5mb
  Z   20s      0.32um           4.8Msz
LOMF  91.43 331 P      42 42.37    0.0
TMA   91.53 329 ePd    42 43.10    0.1
VAI   91.76 329 P      42 43.90    0.2
SFI   91.81 326 P      42 45.40    1.4
PGD   91.91 326 P      42 46.20    1.5
MMK   91.97 329 ePd    42 45.80    0.7
ASS   92.05 325 P      42 45.30    0.0
MME   92.15 327 P      42 47.10    1.1
DIX   92.18 330 ePd    42 47.00    0.9
AQU   92.21 324 P      42 47.00    1.0
ORX   92.29 329 P      42 45.92   -0.5
ORO   92.29 329 P      42 46.20   -0.2
BOB   92.30 328 P      42 46.90    0.5
EMS   92.40 330 ePd    42 47.70    0.7
LOR   92.71 332 eP     42 48.40    0.2
      1.0s     44.00nm          5.8mb
  Z   21s      0.30um           4.7Msz
LSD   92.78 329 P      42 49.61    0.7
PCP   92.88 328 P      42 49.20    0.1
LBF   92.89 332 iPc    42 49.10    0.0
      1.0s     41.60nm          5.8mb
LPL   92.92 330 iPc    42 50.00    0.5
      0.8s     58.05nm          6.1mb
LPG   92.93 330 iPc    42 50.00    0.4
      0.7s     56.20nm          6.1mb
RSP   92.98 329 P      42 48.58   -1.0
SSF   93.02 332 iPc    42 50.10    0.5
      0.9s     49.30nm          5.9mb
FLN   93.10 336 iPc    42 50.40    0.5
      1.3s     39.00nm          5.7mb
  Z   22s      0.38um           4.8Msz
LDF   93.12 335 iPc    42 50.20    0.2
      1.2s     47.90nm          5.8mb
BHB   93.22 329 P      42 50.22   -0.4
SMF   93.22 332 iPc    42 50.90    0.3
      1.1s     64.45nm          6.0mb
FIN   93.29 328 P      42 49.91   -1.0
AVF   93.30 332 iPc    42 51.30    0.4
      0.9s     84.20nm          6.2mb
BNI   93.31 329 P      42 51.50    0.3
RRL   93.37 329 P      42 51.56    0.0
ROB   93.38 328 P      42 50.43   -0.9
GRR   93.55 336 iPc    42 52.50    0.5
      1.2s     61.00nm          5.9mb
PZZ   93.56 329 P      42 50.73   -1.6
ENR   93.63 328 P      42 51.45   -1.1
STV   93.66 329 P      42 50.94   -1.8
IMI   93.67 328 P      42 51.35   -1.4
BGF   93.69 332 eP     42 53.20    0.5
      1.0s     30.40nm          5.7mb
SBF   93.91 328 iPc    42 53.30   -0.5
      0.7s     35.50nm          5.9mb
LPF   93.92 335 iPc    42 54.40    0.7
      1.1s     45.40nm          5.8mb
MAF   94.08 332 eP     42 55.30    0.8
      0.8s     24.30nm          5.7mb
TCF   94.17 333 iPc    42 55.50    0.6
      1.0s     32.20nm          5.7mb
PGF   94.21 327 eP     42 54.80   -0.5
      0.9s     16.70nm          5.5mb
LSF   94.46 333 eP     42 56.80    0.5
      1.1s     60.55nm          5.9mb
FRF   94.50 329 iPc    42 56.00   -0.5
      0.8s     18.55nm          5.6mb
LRG   94.71 329 iPc    42 57.30   -0.1
      0.9s     31.80nm          5.7mb
  Z   21s      0.65um           5.1Msz
LMR   94.74 328 iPc    42 57.40   -0.2
      0.9s     27.20nm          5.7mb
MFF   94.81 334 eP     42 58.50    0.7
      1.1s     35.90nm          5.7mb
RJF   95.25 333 eP     43 00.70    0.8
      1.1s     41.50nm          5.8mb
  Z   21s      0.25um           4.7Msz
CAF   95.35 332 iPc    43 01.40    1.0
      1.2s     54.45nm          5.9mb
LFF   95.86 333 eP     43 03.70    1.0
      1.2s     38.40nm          5.8mb
LPO   95.90 332 eP     43 03.90    1.0
      1.1s     21.00nm          5.6mb
EPF   97.61 332 eP     43 10.60   -0.1
SPA  121.17 180 iPKPc  48 29.20    0.8
      0.8s      5.00nm
SDV  129.89  42 ePKP   48 47.10    0.3
KIC  130.16 313 (PKP)  48 45.70   -1.4
ARE  147.05  71 ePKP   49 22.00    4.1X
ZOBO 149.64  67 PKP    49 24.00    1.6
      1.0s     37.50nm
  Z   24s      0.23um           4.9MszX
                LR     40 38.00
LPB  149.80  68 PKP    49 24.20    1.8
                e      49 29.00
SIV  154.82  58 PKP    49 31.00    2.0
                i      49 52.60
    S.D. = 1.0  on 257 of 274 obs.
----------------------------------------
  JUN 11, 1992  18h 38m 54.28± 0.78s
  60.550 N ± 4.1km    4.853 E ± 8.3km
  DEPTH =  10.0km  (geophysicist)
 SOUTHERN NORWAY                  (535)
      MD 1.8 (BER). ML 1.7 (NAO).

ASK    0.18 112 iPc    38 58.52    0.2
                eSg    39 01.45
BER    0.29 125 eP     39 00.53    0.2
                eSg    39 04.50
EGD    0.34 146 eP     39 01.24    0.0
                eSg    39 05.71
SUE    0.51 355 eP     39 04.56   -0.1
                eSg    39 12.12
HYA    0.90  46 eP     39 11.45    0.0
FOO    1.06   5 eP     39 14.25    0.1
                eSg    39 29.75
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11d 18h

FRO 1.21 1 eP 39 16.81 0.0
eSg 39 33.26
KMY 1.36 171 eP 39 19.09 -0.1
eSg 39 36.81
MOL 2.40 31 eP 39 34.40 0.2
eS 40 04.32
NRA0 3.30 84 Pn 39 46.52 -0.5
Pg 39 52.32
Sg 40 34.22
S.D. = 0.2 on 10 of 10 obs.

? JUN 11, 1992 19h 15m 21.46± 2.57s
19.152 S ±20.0km 173.358 W ±18.5km
DEPTH = 146.6 ± 21.9 km
4.7mb (9 obs.)
TONGA ISLANDS (173)

AFI 5.43 16 eP 16 42.00 0.5
e 21 13.00
e(S) 21 33.00
DZM 19.13 258 iPd 19 34.20 -1.6
URZ 20.77 202 eP 19 54.10 1.8
DSZ 25.82 206 eP 20 46.40 5.6X
LTZ 26.51 204 eP 20 52.00 5.0X
EWZ 27.68 205 eP 21 05.70 8.2X
CTA 37.99 262 eP 22 26.60 -0.3
0.6s 75.00nm 5.6mb
ASPA 49.09 255 eP 23 54.70 -1.3
0.9s 27.10nm 5.0mb
Z 21s 0.50um 4.5Msz
WB2 49.11 260 eP 23 54.90 -1.3
0.6s 11.20nm 4.8mb
WRA 49.13 260 P 23 55.80 -0.5
0.6s 3.50nm 4.3mb
MAT 71.83 321 eP 26 29.00 -1.1
1.0s 12.00nm 4.6mb
MSU 81.07 44 eP 27 21.20 -0.6
TTA 82.94 8 (P) 27 29.76 -1.0
1.1s 8.66nm 4.5mb
ALO 83.18 50 eP 27 33.30 0.5
CN2 83.98 320 P 27 38.00 1.7
1.2s 17.00nm 4.8mb
Z 30s 0.36um 4.6MszX
BW06 85.03 42 eP 27 40.00 -1.9
WHN 85.23 304 eP 27 46.00 3.2X
FBA 86.05 11 eP 27 45.00 -1.2
IMA 86.25 8 ePc 27 46.39 -0.9
1.2s 9.25nm 4.5mb
BJI 88.07 314 eP 27 58.50 2.1
2.0s 120.00nm 5.6mb
MEO 88.90 53 iPd 28 00.30 -0.3
TIY 89.69 310 Pc 28 07.00 2.8
Z 40s 1.22um 5.0MszX
XAN 90.84 306 eP 28 13.00 3.4X
HHC 91.59 313 P 28 16.30 3.3X
BTO 92.57 312 eP 28 20.20 2.7
CHG 93.93 288 eP 28 27.70 3.7X
WIT 146.41 360 ePKP 34 49.00 4.2X
WTS 147.22 360 ePKP 34 50.50 4.4X
1.0s 12.00nm
OJC 147.27 344 ePKP 34 50.70 4.4X
KSP 147.46 349 ePKP 34 49.70 3.1X
CLL 147.52 353 iPKPc 34 51.10 4.4X
2.3s 105.00nm
e 35 10.00
BRG 147.82 351 iPKPc 34 52.20 5.0X
1.3s 23.00nm
i 34 59.60
e 35 09.80
MOX 148.33 354 ePKP 34 51.00 3.0X
1.9s 31.00nm
ENN 148.45 1 ePKP 34 54.00 5.9X
1.5s 30.00nm
PRU 148.59 350 PKP 34 54.10 5.7X
2.3s 34.10nm
e 35 13.90
GRF 149.31 354 iPKPc 34 56.30 6.7X
KHC 149.57 351 PKPc 34 57.00 7.0X
1.5s 17.90nm
e 35 16.00
GEC2 149.83 351 PKP 34 55.80 5.3X
1.0s 2.01nm
SRO 149.87 344 iPKP 34 57.80 7.4X
FLN 149.91 9 ePKP 34 56.20 5.7X
1.4s 25.25nm
LDF 150.12 9 ePKP 34 57.00 6.2X
1.4s 27.90nm
GRR 150.21 10 ePKP 34 57.30 6.4X
1.2s 21.40nm
LPF 150.52 11 ePKP 34 58.00 6.6X
1.6s 48.50nm
CDF 150.81 359 ePKP 34 59.30 7.3X
1.4s 14.80nm
HAU 151.22 0 ePKP 35 00.00 7.5X
LOR 151.86 4 ePKP 35 01.50 8.0X
SSF 152.05 5 ePKP 35 00.10 6.4X
SSF 152.05 5 ePKP 35 02.10 8.4X
1.4s 19.60nm
LBF 152.15 4 ePKP 35 02.10 8.1X
1.6s 19.30nm
AVF 152.30 5 ePKP 35 02.20 8.1X
1.4s 12.20nm
TCF 152.69 7 ePKP 35 03.20 8.5X
1.7s 25.00nm
S.D. = 1.7 on 19 of 51 obs.

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* JUN 11, 1992 20h 15m 11.49± 0.83s
38.751 N ± 9.2km 22.875 E ±11.9km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.1 (ATH).

ATH 1.02 139 ePg 15 30.20 -0.6
eSg 15 45.50
KZN 1.77 332 ePb 15 41.60 -0.9
VLI 2.03 179 ePn 15 46.50 0.4
VAY 2.58 355 ePn 15 49.50 -4.4X
PRK 2.69 78 ePn 15 56.00 0.4
OHR 2.85 327 ePn 15 58.50 0.7
S.D. = 0.9 on 5 of 6 obs.

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* JUN 11, 1992 21h 22m 33.81± 0.56s
63.560 S ±11.5km 173.308 E ±12.6km
DEPTH = 10.0km (geophysicist)
5.1mb (7 obs.) 5.1Msz (2 obs.)
BALLENY ISLANDS REGION (702)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 21:22:35.2 0.5
Lat 63.99S 0.05 Lon 173.36E 0.22
Dep 15.0 FIX Half-duration 1.7
Moment Tensor; Scale 10**16 Nm
Mrr=-4.19 0.47 Mtt= 8.86 0.45
Mff=-4.68 0.67 Mrt=-0.62 1.51
Mrf=-0.45 1.12 Mtf=-1.40 0.47
Principal Axes:
T Val= 9.03 Plg= 2 Azm=186
N -3.92 60 92
P -5.11 30 277
Best Double Couple:Mo=7.1*10**16
NP1:Strike=317 Dip=68 Slip= -20
NP2: 55 71 -156

DRV 14.25 243 eP 25 57.90 0.5
SBA 14.51 186 eP 25 55.30 -5.4X
SPA 26.59 180 iPd 28 13.20 -0.5
1.0s 62.00nm 5.3mb
Z 18s 3.14um 4.9Msz
STK 37.44 313 eP 29 50.80 2.2
1.5s 2.90nm 3.8mb X
MAW 40.00 214 eP 30 09.00 -0.6
1.0s 18.00nm 4.7mb
DZM 41.73 350 iPd 30 23.20 -1.1
CTA 47.15 324 eP 31 09.70 1.8
1.2s 70.31nm 5.6mb
ASPA 47.62 308 iPc 31 11.30 -0.3
1.2s 29.80nm 5.3mb
eS 37 08.20
WARB 48.05 299 eP 31 14.00 -1.0
0.9s 38.00nm 5.5mb
QIS 48.61 316 eP 31 18.00 -1.3
WB2 50.90 310 eP 31 35.30 -1.5
1.0s 9.20nm 4.7mb
WRA 50.90 310 P 31 36.20 -0.6
0.6s 3.20nm 4.4mb
KNA 56.74 306 eP 32 19.00 -0.9
CNCB 87.08 123 P 35 21.60 0.2
LPB 87.28 123 P 35 24.00 1.8
ZOBO 87.50 122 P 35 22.00 -1.5
SIV 90.34 129 P 35 35.60 -0.7
CHTO 99.92 292 (P) 36 22.00 2.2
LRM 123.65 54 ePKP 41 32.60 0.3
GBTN 126.71 83 ePKP 41 29.96 -8.3X
TKL 126.90 83 (PKP) 41 29.64 -9.0X
MAIO 132.30 268 ePKP 41 44.00 -5.0X
MBC 145.78 23 ePKP 42 13.00 0.9
1.0s 14.00nm
KAS 147.69 246 ePKP 42 19.50 3.2X
OBN 156.78 269 ePKP 42 39.00 10.2X
Z 20s 0.40um 5.2Msz
e 43 03.00
e 46 42.00
S.D. = 1.3 on 19 of 25 obs.

? JUN 11, 1992 21h 54m 51.20± 2.29s
14.700 N ± 8.5km 61.168 W ±18.8km
DEPTH = 10.0km (geophysicist)
WINDWARD ISLANDS (95)

FDF 0.04 27 iPc 54 53.22 -0.1
S 54 55.70
BIM 0.20 153 eP 54 55.76 0.1
CRM 0.25 78 eP 54 56.63 0.1
MVM 0.30 119 iPc 54 57.35 -0.1
S.D. = 0.2 on 4 of 4 obs.

& JUN 11, 1992 22h 08m 15.25s
63.691 N 149.956 W
DEPTH = 137.4km
CENTRAL ALASKA (1)
<AEIC>.

TRF 0.28 212 eP 08 34.08 1.2
eS 08 48.94
KTH 0.45 253 iP 08 34.80 -0.5
eS 08 49.69
MCK 0.46 84 eP 08 35.07 -0.1
eS 08 50.42
BWN 0.53 24 eP 08 35.71 0.2
eS 08 51.32
RND 0.57 120 eP 08 35.21 -0.7
S 08 50.50
HUR 0.73 168 eP 08 35.73 -1.2
eS 08 51.94
NEA 0.97 23 eP 08 38.21 -0.6
WRH 1.13 45 iP 08 39.77 -0.6
CUT 1.30 186 iP 08 40.56 -1.5
CCB 1.34 44 iP 08 41.89 -0.6
eS 09 01.97
MLY 1.39 346 iP 08 42.58 -0.5
eS 09 03.09
HDA 1.50 60 eP 08 43.36 -0.9
eS 09 04.77
FBA 1.54 37 ePd 08 44.70 0.1
GLM 1.72 39 iP 08 46.15 -0.6
SKT 1.86 204 eP 08 46.48 -1.9
DJE 1.92 78 eP 08 48.34 -0.8
GHO 1.98 166 iP 08 48.13 -1.8
eS 09 14.20
SML 2.03 158 eP 08 48.26 -2.2
PWA 2.05 179 iP 08 49.50 -1.1
PLRM 2.14 169 eP 08 49.61 -2.1
PMR 2.14 169 eP 08 49.33 -2.4
PAX 2.15 108 eP 08 51.12 -0.9
SUA 2.27 190 eP 08 51.97 -1.5
SDG 2.32 118 eP 08 52.26 -1.8
TOA 2.35 131 P 08 53.00 -1.5
KNK 2.39 162 eP 08 52.85 -2.1
PMS 2.46 176 iPc 08 54.10 -1.7
NCG 2.51 205 eP 08 54.60 -1.9
CGLM 2.57 203 eP 08 55.60 -1.7
CRP 2.64 204 (P) 08 56.73 -1.5
CKN 2.68 204 eP 08 58.25 -0.4
BGL 2.69 206 eP 08 56.69 -2.1
SPU 2.70 202 eP 08 57.16 -1.7
CKL 2.74 205 eP 08 57.55 -1.9
TTA 2.84 257 eP 08 58.68 -2.0
BKG 2.84 203 eP 08 58.95 -1.8
IMA 2.87 328 iP 08 59.82 -1.3
KLU 2.89 138 eP 08 58.84 -2.5
VLZ 3.07 145 eP 09 00.34 -3.3
SLKM 3.20 182 iP 09 03.06 -2.3
RDT 3.33 201 eP 09 05.21 -1.9
RED 3.54 203 eP 09 08.62 -1.3
GLB 3.63 126 eP 09 09.14 -1.9
HIN 3.68 152 eP 09 08.48 -3.3
SVW 3.70 228 ePd 09 09.16 -2.8
CNPM 4.22 189 eP 09 16.27 -2.7
46 obs. associated

JUN 11, 1992 22h 26m 49.16± 1.05s
51 564 N ± 8.4km 7.478 E ± 8.2km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.9 (LDG), 2.3 (BNS). Felt at
Bergkomen.

WTS 0.60 316 ePg 27 02.00 0.8
1.0s 39.00nm
BNS 0.63 198 iPgd 27 03.60 1.8
0.4s 179.00nm
iSg 27 12.90
ENN 1.26 231 ePg 27 14.00 1.4
0.8s 13.00nm
eSg 27 32.00
MEM 1.33 225 iPc 27 15.36 1.7
iS 27 34.56
ABH 1.69 178 ePn 27 19.47 0.6
RUP 1.88 188 ePn 27 25.77 4.0X
MOX 2.77 108 ePg 27 34.20 -0.1
iSg 28 18.00
GRF 3.03 127 e(Pg) 27 50.00 11.9X
e(Sg) 28 30.00
CDF 3.16 182 Pn 27 39.70 -0.3
Sn 28 17.10
HAU 3.64 192 Pn 27 46.90 0.2
Sg 28 47.20
LOR 4.91 210 Pn 28 03.30 -1.4
Sn 29 00.30
Sg 29 28.10
LBF 5.12 208 Pn 28 06.50 -1.3
Sg 29 34.10
SSF 5.20 211 Pn 28 07.70 -1.1
Sg 29 37.80
LDF 5.73 242 Pn 28 15.30 -0.9
Sn 29 19.80
FLN 5.83 244 Pn 28 17.30 -0.4
Sn 29 22.20
GRR 6.25 243 Pn 28 22.50 -1.0
Sn 29 31.30
S.D. = 1.2 on 14 of 16 obs.

% JUN 11, 1992 23h 37m 21.01± 0.55s
46.143 N ± 5.1km 2.800 E ± 4.4km
DEPTH = 5.0km (geophysicist)
FRANCE (538)
ML 1.8 (LDG).

MAF 0.18 296 Pg 37 25.10 0.4
Sg 37 27.80
BGF 0.42 4 Pg 37 29.50 0.1
Sg 37 35.20
TCF 0.43 290 Pg 37 29.70 0.0
Sg 37 35.70
AVF 0.75 30 Pg 37 35.50 -0.6
Sg 37 45.50
SMF 0.88 55 Pg 37 37.90 -0.5
Sg 37 49.90
LSF 0.89 277 Pg 37 38.00 -0.5
Sg 37 50.20
SSF 1.04 28 Pg 37 41.00 -0.1
Sg 37 54.70
LBF 1.17 44 Pg 37 43.40 0.0
Sg 37 58.70
RJF 1.23 227 Pg 37 44.20 -0.1
Sg 38 00.50
CAF 1.32 203 Pg 37 46.30 0.4
Sg 38 03.30
LOR 1.34 33 Pg 37 47.20 1.0
Sg 38 03.80
S.D. = 0.5 on 11 of 11 obs.

• JUN 11, 1992 23h 42m 49.54± 0.56s
31.744 S ±14.5km 69.694 W ±17.8km
DEPTH = 140.4 ± 17.8 km
SAN JUAN PROVINCE, ARGENTINA (137)
MD 4.2 (SAN).

RTCB 0.81 72 iPc 43 11.90 -0.3
ZON 0.89 77 iPc 43 13.50 0.7
eS 43 29.50
RTLL 1.12 69 iPd 43 14.30 -0.6
CFA 1.25 84 iPd 43 16.20 0.1
S 43 35.10
PEL 1.63 211 iPd 43 19.90 -0.3
iS 43 42.30
FCH 1.66 198 iPd 43 21.90 1.1
iS 43 46.30
SAN 1.89 205 iPd 43 23.30 0.1
iS 43 49.00
PCH 1.99 200 iPd 43 25.00 0.5
iS 43 53.00
TACH 2.17 209 iPd 43 26.00 -0.6
iS 43 53.70
CHCH 2.33 200 iPd 43 28.70 0.1
iS 43 59.40
CACH 2.49 198 iPd 43 31.30 0.6
iS 44 03.90
LNV 2.64 213 iPd 43 31.00 -1.4
iS 44 02.80
RTPR 3.09 63 iPd 43 37.90 -0.3
S 44 13.60
CNCB 14.95 6 iPc 46 17.00 1.5
LPB 15.21 6 P 46 17.00 -1.6
ZOBO 15.45 6 P 46 22.80 1.0
SIV 17.54 29 P 46 46.40 -0.5
S.D. = 0.9 on 17 of 17 obs.

% JUN 11, 1992 23h 44m 48.76± 1.56s
42.948 N ±23.8km 4.757 E ± 6.8km
DEPTH = 10.0km (geophysicist)
WESTERN MEDITERRANEAN SEA (387)
ML 2.6 (LDG).

CDR 1.03 45 ePg 45 06.90 -1.4
e(Sg) 45 16.50
e 45 18.10
LRG 1.28 66 Pn 45 12.40 0.0
Pg 45 15.10
Sg 45 31.80
LMR 1.34 73 Pn 45 14.00 0.6
Pg 45 17.00
Sg 45 34.60
FRF 1.51 65 Pn 45 16.70 0.8
Pg 45 18.70
Sn 45 33.40
Sg 45 38.00
SBF 2.16 64 Pn 45 25.00 -0.3
Pg 45 30.40
Sg 45 56.30
CAF 2.77 316 Pg 45 35.20 1.1
Sg 46 03.30
LPO 3.11 305 Pg 45 42.20 3.4X
Sg 46 16.20
EPF 3.24 273 Pn 45 39.90 -0.8
Pg 45 49.90
Sg 46 30.00
RJF 3.32 316 Pg 45 44.70 3.0X
Sg 46 20.10
S.D. = 1.1 on 7 of 9 obs.

• JUN 12, 1992 00h 05m 24.69± 0.38s
58.956 S ±11.2km 25.470 W ±14.5km
DEPTH = 33.0km (normal)
4.8mb (7 obs.)
SOUTH SANDWICH ISLANDS REGION (153)

SPA 31.22 180 iPc 11 44.50 1.6
0.9s 28.64nm 5.1mb
MAW 37.28 141 eP 12 35.00 0.4
0.9s 9.00nm 4.6mb
RTLL 39.93 295 ePc 12 57.20 0.0
RTCB 39.95 294 iPd 12 57.60 0.2
PPD 41.26 322 eP 13 08.00 -0.1
CSY 50.85 159 eP 14 23.70 0.3
0.7s 20.30nm 5.2mb
ITR 51.05 343 iPc 14 26.40 0.8
e 15 42.40
CNCB 52.29 305 eP 14 29.00 -6.6X
LPB 52.58 305 eP 14 31.00 -6.7X
ZOBO 52.82 305 P 14 38.70 -1.0
LIC 67.00 22 P 16 17.40 1.2
KIC 67.19 22 P 16 18.70 1.3
TIC 67.41 22 P 16 19.90 1.1
BCAO 72.18 47 iPd 16 40.70 -7.3X
0.3s 15.00nm 5.5mb
ic 17 06.20
STK 88.87 169 eP 18 16.90 0.4
1.7s 2.40nm 4.2mb
ASPA 95.93 161 eP 18 41.20 -8.1X
1.3s 5.70nm 4.9mb
i 18 48.90
WRA 99.65 161 P 19 06.80 0.6
0.6s 0.60nm 4.3mb
SRU 120.17 296 ePKP 24 12.32 -0.8
MSU 120.46 295 ePKP 24 13.50 -0.3
HFS 122.64 22 ePKP 24 15.10 -1.7
0.4s 1.60nm
NB2 123.01 20 PKP 24 18.10 0.5
0.9s 3.40nm
DMN 123.77 92 PKP 24 19.00 -1.5
GKN 123.85 91 PKP 24 19.00 -1.5
PKI 123.90 92 PKP 24 19.20 -1.6
KKN 124.01 92 PKP 24 19.50 -1.4
GUN 124.42 92 PKP 24 20.60 -1.2
NUR 125.36 28 iPKP 24 22.00 -0.1
0.6s 3.90nm
LRM 126.32 300 ePKP 24 25.50 0.6
KAF 127.16 28 ePKP 24 25.00 -0.6
0.6s 8.80nm
MBC 147.01 334 ePKPc 25 04.10 2.7
0.5s 8.00nm
S.D. = 1.2 on 26 of 30 obs.

• JUN 12, 1992 00h 23m 37.08± 0.55s
18.164 S ± 7.0km 178.515 W ±13.5km
DEPTH = 555.9 ± 5.3 km
4.5mb (9 obs.)
FIJI ISLANDS REGION (181)

TVI 1.91 310 ePc 24 47.80 -0.7
KRO 2.17 293 iPc 24 48.90 0.3
UDU 2.45 325 ePc 24 49.40 -0.6
NDE 2.60 307 ePc 24 51.20 0.3
VUN 2.88 273 ePc 24 53.30 0.9
MBU 2.89 294 eP 24 53.30 0.8
MNG 22.97 192 eP 28 01.60 0.7
THZ 24.64 196 eP 28 16.20 0.3
KHZ 25.10 194 eP 28 19.60 -0.3
LTZ 25.76 196 P 28 25.10 -0.7
BWZ 28.03 198 eP 28 45.20 -0.3
LRCZ 28.68 198 P 28 51.00 -0.3
MSCZ 28.68 198 eP 28 51.40 0.2
MMCZ 28.68 198 P 28 51.00 -0.3
MHZ 28.69 198 P 28 51.40 0.0
SBCZ 28.71 198 P 28 51.30 -0.2
LSCZ 28.72 198 P 28 51.40 -0.1
CMCZ 28.77 198 eP 28 52.20 0.1
TLC 28.87 198 P 28 53.40 0.4
STK 38.42 241 iPc 30 13.90 1.1
0.3s 7.20nm 4.8mb
WB2 44.47 260 eP 30 59.40 -1.6
0.4s 10.70nm 4.7mb
WRA 44.49 260 P 31 00.60 -0.5
0.4s 3.50nm 4.2mb
ASPA 44.63 254 iPc 31 01.70 -0.5
0.7s 84.10nm 5.4mb
iPcP 32 32.40
eS 36 55.00
FORT 49.81 245 eP 31 40.00 -1.2
WARB 51.10 251 eP 31 50.00 -0.8
0.4s 8.00nm 4.5mb
CSY 65.87 205 eP 33 30.00 0.7
0.5s 10.90nm 4.6mb
SPA 71.95 180 iPc 34 09.10 3.2X
0.7s 8.59nm 4.4mb
RMW 82.73 35 iP 35 03.26 -0.5
PNT 85.00 34 eP 35 14.00 -0.8
BW06 87.61 43 eP 35 26.60 -1.1
0.6s 1.78nm 4.0mb
CHTO 88.99 290 P 35 33.80 -0.5
0.9s 4.26nm 4.4mb
NB2 136.62 353 PKP 41 57.40 0.0
0.7s 1.00nm
HFS 137.17 351 ePKP 41 45.30 -13.1X
0.4s 1.40nm
EKA 142.73 4 PKP 42 04.00 -4.4X
0.5s 1.10nm
DMU 143.75 8 ePKP 42 07.50 -2.6
KAS 144.00 317 ePKP 42 10.50 -0.6
DCN 144.23 9 ePKP 42 09.20 -1.8
DLF 144.39 8 ePKP 42 09.60 -1.6
KSP 145.33 343 iPKPc 42 13.20 0.3
CLL 145.69 347 iPKPc 42 14.00 0.5
0.9s 21.00nm
HRI 145.85 303 iPKPc 42 15.80 1.3
BRG 145.89 346 iPKPc 42 14.20 0.4
1.0s 16.00nm
MLR 146.00 329 ePKP 42 15.00 0.6
JVI 146.55 301 iPKPc 42 17.60 2.0

12d 00h

PRU 146.56 345 PKPc 42 16.80 1.9
Z 18s 0.20um 4.9Msz
e 42 19.30
PRNI 147.25 298 iPKPc 42 19.70 3.0
SRO 147.38 339 iPKP 42 18.40 2.1
GRF 147.59 348 ePKP 42 20.00 3.4X
KHC 147.60 345 PKP 42 20.00 3.3X
1.0s 6.70nm
Z 20s 0.50um 5.3Msz
N 20s 0.10um
E 20s 0.50um
e 51 20.00
GEC2 147.83 345 PKP 42 16.30 -0.9
0.5s 5.94nm
FUR 149.03 347 iPKPc 42 23.30 4.4X
0.9s 17.00nm
FLN 149.44 3 iPKPc 42 23.80 4.3X
0.9s 21.15nm
Z 21s 0.52um 5.3Msz
CDF 149.46 352 iPKPc 42 24.40 4.7X
0.6s 6.75nm
LDF 149.62 2 iPKPc 42 24.20 4.4X
0.3s 3.45nm
GRR 149.79 3 iPKPc 42 25.00 5.0X
0.4s 7.00nm
HAU 149.97 353 iPKPc 42 25.40 5.0X
0.5s 5.70nm
Z 23s 0.30um 5.0MszX
BSF 150.09 353 iPKPc 42 25.70 5.0X
0.7s 7.05nm
LPF 150.14 3 iPKPc 42 25.80 5.3X
0.4s 9.55nm
LJU 150.17 342 e(PKP)42 25.50 4.8X
VOY 150.37 342 ePKP 42 25.50 4.4X
VBY 150.42 340 e(PKP)42 22.30 1.2
CEY 150.47 341 e(PKP)42 28.00 6.8X
LOR 150.91 357 iPKPc 42 27.70 5.9X
0.4s 7.35nm
Z 22s 0.38um 5.1Msz
SSF 151.13 357 iPKPc 42 28.30 6.2X
0.4s 5.95nm
LBF 151.19 356 iPKPc 42 28.20 6.0X
0.8s 7.00nm
AVF 151.41 357 iPKPc 42 28.50 6.0X
0.5s 2.05nm
SMF 151.53 357 iPKPc 42 29.10 6.4X
MFF 151.61 2 iPKPc 42 29.10 6.3X
0.8s 10.50nm
BGF 151.66 358 iPKPc 42 29.40 6.5X
0.7s 8.50nm
TCF 151.95 359 iPKPc 42 29.90 6.6X
0.6s 3.80nm
LSF 151.99 360 iPKPc 42 29.80 6.4X
0.4s 3.20nm
LPL 152.38 352 iPKPc 42 32.00 7.8X
0.6s 2.00nm
RJF 152.94 360 iPKPc 42 32.20 7.5X
0.7s 3.10nm
Z 22s 0.35um 5.1Msz
CAF 153.31 359 iPKPc 42 33.30 8.0X
0.5s 0.85nm
S.D. = 1.1 on 46 of 74 obs.

JUN 12, 1992 00h 24m 40.18± 0.49s
8.448 N ± 7.4km 102.962 W ± 9.8km
DEPTH = 10.0km (geophysicist)
4.8mb (12 obs.) 4.5Msz (1 obs.)
OFF COAST OF MEXICO (63)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 41C
Centroid Location:
Origin Time 00:24:41.4 0.6
Lat 8.52N 0.06 Lon 103.06W 0.05
Dep 15.0 FIX Half-duration 1.7
Moment Tensor; Scale 10**16 Nm
Mrr=-1.09 0.37 Mtt= 4.22 0.46
Mff=-3.14 0.65 Mrt=-6.00 1.26
Mrf= 1.94 1.55 Mtf=-8.59 0.34
Principal Axes:
T Val= 12.61 Plg=24 Azm=211
N -3.36 61 67
P -9.26 15 308
Best Double Couple:Mo=1.1*10**17
NP1:Strike=352 Dip=62 Slip= 7
NP2: 258 84 152

MEO 26.52 8 iPd 30 19.00 -0.8
UYO 26.77 16 iPc 30 22.10 0.0
GLA 26.83 338 eP 30 22.99 0.3
FKO 27.17 10 e(P) 30 26.50 0.7
OCO 27.41 10 iPc 30 29.60 1.6
VVO 27.57 13 eP 30 29.40 0.0
SIO 27.84 12 eP 30 30.30 -1.6
PLM 27.91 335 eP 30 33.28 0.5
TUL 28.11 12 eP 30 33.50 -0.8
1.5s 42.50nm 5.0mb
Z 22s 1.29um 4.5Msz
LR 38 54.00
LNO 28.11 12 eP 30 32.90 -1.3
ACO 28.33 6 e(P) 30 36.50 0.2
RLO 28.52 14 eP 30 34.80 -3.2X
OLY 28.91 20 eP 30 41.18 -0.3
ARUT 30.71 344 eP 30 59.56 1.8
BCH 30.89 332 eP 30 59.27 0.0
GOL 31.19 356 eP 31 03.11 1.1
0.6s 2.73nm 4.3mb
SRU 31.28 349 eP 31 01.58 -1.1
CCM 31.32 18 eP 31 02.52 -0.3
0.8s 5.42nm 4.5mb
FVM 31.51 19 eP 31 03.64 -0.9
0.6s 6.59nm 4.7mb
DAU 32.68 348 eP 31 14.97 -0.2
ARN 33.33 332 eP 31 20.42 -0.1
HVU 34.31 347 eP 31 28.96 -0.2
BW06 34.68 351 eP 31 31.29 -1.1
1.0s 8.83nm 4.6mb
CEH 34.94 35 eP 31 34.61 0.3
0.4s 8.13nm 5.0mb
ORV 35.14 335 eP 31 37.75 1.7
RSSD 35.55 359 eP 31 40.00 0.3
LRM 38.12 349 eP 32 00.90 -0.5
TBR 41.34 33 eP 32 28.07 0.3
DPW 41.36 344 eP 32 28.66 0.7
LON 41.43 340 eP 32 29.60 1.0
ULM 42.08 7 eP 32 35.00 1.2
ZOBO 42.34 125 iPc 32 37.30 0.3
1.2s 37.16nm 5.0mb
S 39 04.00
LR 46 30.00
SES 42.35 352 eP 32 35.00 -1.1
LPB 42.50 126 P 32 38.00 -0.1
LR 46 30.00
CNCB 42.74 126 P 32 42.20 1.9
PNT 43.06 344 eP 32 43.00 1.1
EEO 43.20 24 eP 32 43.50 0.5
SIV 48.06 120 P 33 21.00 -1.2
FCC 50.66 6 eP 33 41.50 0.1
YKA 54.61 353 eP 34 09.80 -1.1
1.3s 6.30nm 4.5mb
BALM 60.02 339 eP 34 56.36 6.9X
KLU 61.61 338 eP 34 59.14 -1.1
PMR 62.88 337 eP 35 14.67 6.2X
1.2s 38.21nm 5.5mb
TTA 66.31 336 eP 35 28.23 -2.6
0.8s 2.49nm 4.5mb
IMA 67.12 340 eP 35 37.00 0.9
1.6s 10.01nm 4.8mb
MBC 68.35 356 eP 35 44.00 0.6
1.4s 18.00nm 5.1mb
DCN 86.67 37 eP 37 26.00 0.7
DMU 86.79 36 eP 37 26.00 0.1
DLF 87.12 37 eP 37 27.00 -0.5
KDS 88.92 78 eP 37 42.00 5.2X
WB2 123.51 252 iPKPd 43 39.10 -1.2
0.7s 6.60nm
WRA 123.52 252 PKP 43 39.70 -0.6
0.7s 1.60nm
CHG 145.35 322 ePKP 44 20.20 -0.7
1.0s 11.50nm
BDT 146.49 320 ePKP 44 24.00 1.2
S.D. = 1.0 on 50 of 54 obs.

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* JUN 12, 1992 02h 00m 35.33± 0.73s
45.443 N ±14.8km 150.673 E ±12.4km
DEPTH = 33.0km (normal)
3.9mb (5 obs.)
KURIL ISLANDS (221)
KUSJ 4.88 243 P 01 47.90 -0.4
eS 02 40.40
ASAJ 5.87 260 eP 02 11.20 8.9X
HOOJ 6.15 243 eP 02 07.20 1.0
eS 03 11.40

FBA 38.24 37 eP 07 54.50 1.0
1.0s 1.20nm 3.7mb
GUN 53.41 274 P 09 54.70 0.2
KKN 53.91 275 P 09 58.30 0.3
PKI 53.95 274 P 09 57.20 -1.2
DMN 54.14 275 P 09 58.80 -0.9
GKN 54.23 275 P 10 00.60 0.3
WRA 66.75 197 P 11 25.60 0.2
0.7s 0.30nm 3.5mb
NB2 68.90 340 P 11 38.00 -0.5
0.5s 0.60nm 3.9mb
PV10 70.11 55 eP 11 45.30 -1.2
EKA 77.19 345 Pd 12 27.60 0.6
0.7s 1.80nm 4.2mb
KHC 78.65 333 eP 12 36.00 0.7
GEC2 78.86 333 P 12 36.40 -0.1
0.6s 0.82nm 3.9mb
S.D. = 0.8 on 14 of 15 obs.

JUN 12, 1992 02h 26m 45.72± 0.31s
16.638 S ± 8.4km 173.637 W ±11.5km
DEPTH = 33.0km (normal)
4.8mb (7 obs.)
TONGA ISLANDS (173)
AFI 3.25 34 iPc 27 35.00 -0.7
eS 28 05.00
DZM 19.55 251 iPc 31 15.80 1.9
KUZ 22.14 203 eP 31 40.60 0.4
PUZ 22.51 197 eP 31 43.20 -0.7
NOZ 23.08 197 eP 31 50.90 1.5
WLZ 23.16 202 P 31 51.60 1.4
ORZ 26.91 204 P 32 24.90 -0.8
THZ 27.59 202 eP 32 32.10 0.2
KHZ 27.94 201 eP 32 34.10 -0.9
LTZ 28.70 202 eP 32 41.80 -0.2
EWZ 29.85 203 P 32 50.90 -1.3
STK 43.23 241 eP 34 45.30 -0.4
0.7s 4.00nm 4.3mb
WB2 49.34 258 iPd 35 33.00 -1.2
0.4s 8.10nm 5.1mb
WRA 49.35 258 P 35 33.80 -0.4
0.4s 4.10nm 4.8mb
ASPA 49.52 253 iPc 35 34.70 -0.9
0.8s 26.70nm 5.3mb
ARUT 78.24 45 eP 38 44.47 0.4
RMW 78.87 33 eP 38 47.88 0.6
MSU 79.47 45 eP 38 51.13 0.2
SRU 80.88 45 eP 38 58.69 0.3
PNT 81.18 32 eP 39 00.00 0.6
0.5s 4.00nm 4.7mb
PV10 81.53 46 eP 39 01.20 -0.7
LRM 83.13 38 eP 39 10.20 0.2
BW06 83.34 42 eP 39 10.00 -1.1
0.8s 3.21nm 4.5mb
epP 39 30.00 73kmX
FBA 83.65 11 eP 39 12.27 0.4
0.8s 7.07nm 4.9mb
epP 39 31.27 69kmX
OJC 144.79 345 ePKP 46 19.20 -1.6
KSP 144.96 349 iPKP 46 21.60 0.5
e 46 40.00
CLL 145.01 353 iPKP 46 21.10 0.0
1.2s 13.00nm
e 46 41.00
BRG 145.31 352 iPKP 46 22.20 0.6
1.2s 13.00nm
e 46 43.00
MOX 145.81 354 iPKP 46 23.80 1.3
2.0s 35.00nm
PRU 146.08 351 ePKP 46 24.50 1.5
e 46 43.50
GRF 146.80 354 ePKP 46 27.90 3.7X
e 46 47.30
MLR 146.89 334 ePKP 46 27.00 2.4X
KHC 147.06 351 ePKP 46 28.00 3.4X
1.3s 6.00nm
e 46 48.00
GEC2 147.32 351 PKP 46 24.10 -1.1
0.9s 2.35nm
SRO 147.39 345 ePKP 46 28.70 3.6X
e 46 51.00
FLN 147.48 8 iPKPd 46 27.90 2.7X
0.8s 12.20nm
GRR 147.79 9 iPKPd 46 29.00 3.3X
0.7s 9.50nm
LPF 148.11 9 iPKPd 46 29.80 3.5X

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      0.6s      7.95nm
CDF    148.30 359 iPKPd 46 30.80     4.1X
      1.0s      5.40nm
HAU    148.72   0 iPKPd 46 31.70     4.4X
      0.9s      6.70nm
BSF    148.89 359 iPKPd 46 32.00     4.3X
LOR    149.39   3 iPKPd 46 33.40     5.0X
      0.8s      5.50nm
SSF    149.57   4 iPKPd 46 34.00     5.4X
      1.4s     26.55nm
MFF    149.64   9 iPKPd 46 33.60     4.9X
      1.1s     11.50nm
LBF    149.68   3 iPKPd 46 34.00     5.2X
      1.0s      5.60nm
AVF    149.83   4 iPKPd 46 34.10     5.1X
      1.4s     11.75nm
SMF    150.01   3 iPKPd 46 34.70     5.4X
      1.0s      4.60nm
BGF    150.02   5 iPKPd 46 34.90     5.6X
      1.0s     10.00nm
LSF    150.20   7 iPKPd 46 34.90     5.3X
      0.7s      6.50nm
TCF    150.24   6 iPKPd 46 35.20     5.5X
      0.9s      5.90nm
MAF    150.33   5 iPKPd 46 35.60     5.8X
      0.8s      7.00nm
    S.D. = 1.0  on   31 of   51 obs.
-------------------------------------------
* JUN 12, 1992 04h 48m 34.53± 0.86s
  67.639 N ± 8.9km   15.042 E ± 8.9km
  DEPTH =  10.0km  (geophysicist)
 NORTHERN NORWAY                     (646)
     MD 3.1 (BER).

LOF      0.75 312 iPc     48 48.88   -0.4
                  eS      48 59.05
KTK1     3.34  62 eP      49 28.34    0.5
ARA0     4.28  59 Pn      49 41.25    0.1
                  Sn      50 30.16
                  Lg      50 47.43
NRA0     7.10 194 P       50 21.58    0.7
KAF      7.32 134 eP      50 23.00   -1.0
    S.D. = 1.0  on    5 of    5 obs.
-------------------------------------------
  JUN 12, 1992 04h 56m 57.08± 0.17s
  11.054 N ± 2.8km  126.794 E ± 3.9km
  DEPTH =  24.2km  ( 6 depth phases)
  5.3mb ( 67 obs.)
 PHILIPPINE ISLANDS REGION           (248)
     CENTROID, MOMENT TENSOR         (HRV)
     Data Used: GDSN
     L.P.B.: 20S, 28C
     Centroid Location:
     Origin Time        04:56:55.5 0.6
     Lat 10.86N 0.06 Lon 127.24E 0.06
     Dep  32.3 4.4 Half-duration  1.6
     Moment Tensor;   Scale 10**16 Nm
       Mrr=-5.84 0.32  Mtt= 0.70 0.45
       Mff= 5.14 0.46  Mrt=-2.71 1.05
       Mrf= 1.83 1.09  Mtf=-4.93 0.40
      Principal Axes:
       T  Val=  8.94  Plg=12  Azm=236
       N       -2.12      16      143
       P       -6.82      70        2
     Best Double Couple:Mo=7.9*10**16
       NP1:Strike=345 Dip=36 Slip= -63
       NP2:       133     59     -108

PLP      1.79 274 iPd     57 22.00   -4.8X
MAP      2.86 256 ePd     57 40.00   -2.1
                  iS      58 07.00
BIP      2.86 191 iPc     57 42.00   -0.1
                  iS      58 12.50
CGP      3.31 219 iPd     57 50.00    1.5
                  eS      58 22.00
PGP      6.21 294 eP      58 29.00   -0.5
TGY      6.47 299 eP      58 38.00    4.7X
DVP      6.67 303 eP      58 30.80   -5.3X
PPR      8.03 262 iPc     58 56.00    0.8
PIP      9.38 321 eP      59 15.50    1.7
KKM     11.58 245 ePd     59 48.30    4.2X
DZH     15.85 332 eP      00 40.00   -0.4
    N  16s      1.45um
                  sP      00 52.00
                  S       03 40.00
                  sS      03 53.00
GZH     17.55 315 Pc      01 05.00    3.2X
```

```
        Z  16s      1.78um
        N  14s      0.87um
        E  15s      1.12um
GUMO    17.83  80 eP      01 04.20   -1.2
         1.6s    344.00nm          5.2mb
                   eS      04 34.00
OIZ     18.18 298 eP      01 10.00    0.3
        N  12s      0.79um
        E  13s      0.96um
KAGJ    20.39  10 eP      01 35.30    0.3
SSE     20.61 346 Pc      01 37.80    0.6
         1.0s     54.00nm          4.9mb
        Z  20s      1.80um         4.4Msz
        N  14s      0.70um
        E  12s      0.80um
                   pP      01 45.00  27km
                   PP      02 00.00
                   S       05 24.00
                   sS      05 36.00
KUMJ    21.70   9 eP      01 49.10    0.8
NJ2     22.14 342 Pd      01 52.40   -0.3
         1.2s     62.00nm          4.9mb
        E  13s      1.21um
WHN     22.58 331 ePc     01 58.00    1.0
         1.0s     44.00nm          4.9mb
        Z  20s      1.25um         4.3Msz
        E  14s      0.92um
MTN     24.13 170 eP      02 13.00    0.7
         0.4s    100.00nm          5.7mb
GYA     24.40 312 P       02 16.00    1.0
        Z  20s      4.50um         5.0Msz
        N  15s      1.25um
        E  15s      0.91um
                   S       06 34.00
KGM     24.97 251 ePd     02 21.00    0.6
SNG     26.13 264 eP      02 23.00   -8.2X
                   eS      07 11.50
IPM     26.31 258 ePd     02 33.90    0.9
         0.7s     25.40nm          5.0mb
TIA     26.53 342 P       02 34.70   -0.1
         0.5s     14.00nm          4.9mb
        Z  20s      1.18um         4.4Msz
        E  13s      1.15um
                   S       07 07.00
KNA     26.70 176 eP      02 35.80   -0.7
KMI     26.74 305 eP      02 38.00    0.9
CHG     27.96 289 eP      02 46.90   -1.2
                   e       06 03.50
DL2     28.12 351 eP      02 49.60    0.4
        Z  15s      0.64um         4.3MszX
                   sP      03 06.00
                   S       07 32.00
XAN     28.12 327 Pd      02 48.50   -0.8
         1.1s     54.00nm          5.2mb
        E  14s      0.69um
                   sP      03 07.00
                   eS      07 36.00
CD2     29.09 316 P       02 57.40   -0.7
         1.0s     64.00nm          5.3mb
        E  11s      0.70um
                   eS      07 47.00
TIY     29.51 336 eP      03 01.50   -0.4
        Z  12s      0.96um         4.6MszX
        N  13s      0.50um
                   S       07 54.00
BJI     30.36 344 eP      03 08.50   -0.8
         1.3s     60.00nm          5.3mb
        Z  16s      0.58um         4.3MszX
        N  14s      0.50um
                   eS      08 02.00
SNY     30.78 355 Pc      03 13.00    0.1
         1.0s     54.00nm          5.3mb
        Z  21s      0.92um         4.4Msz
                   S       08 14.00
                   sS      08 34.00
WB2     31.69 166 iPd     03 19.10   -2.1
         0.8s     11.20nm          4.8mb
                   i       03 28.30  32km
LZH     32.44 324 P       03 27.50   -0.3
         1.5s    110.00nm          5.6mb
        Z  16s      0.83um         4.5MszX
        N  13s      0.53um
                   sP      03 43.00
                   S       08 42.00
HHC     32.58 338 P       03 28.00   -0.9
         1.2s     47.00nm          5.3mb
        Z  18s      0.85um         4.5Msz
```

```
        N  12s      0.41um
        E  12s      0.36um
                   S       08 44.00
CN2     32.65 358 eP      03 28.00   -1.3
         1.0s     15.00nm          4.9mb
        Z  16s      0.88um         4.6MszX
        N  12s      0.16um
        E  12s      0.76um
                   epP     03 40.00  45kmX
                   ePcP    06 14.40
                   eScP    09 54.00
MBL     32.73 192 eP      03 29.00   -1.2
BTO     32.95 336 eP      03 32.00   -0.1
        N  14s      0.37um
        E  14s      0.68um
                   eS      08 48.00
MDJ     33.53   4 eP      03 38.70    1.8
         1.0s     33.00nm          5.2mb
OIS     33.85 158 iPd     03 39.00   -1.0
         0.9s     75.00nm          5.6mb
                   i       03 50.60  43kmX
ASPA    35.20 169 iPd     03 50.40   -1.2
         1.2s     31.60nm          5.1mb
        Z  19s      0.50um         4.3Msz
                   eS      09 14.80
                   iPcS    10 07.50
SHL     36.01 298 iPc     03 57.50   -1.2
         0.8s    261.19nm          6.2mb
                   eS      09 33.50
CTA     36.40 148 eP      04 02.50    0.8
         1.2s     60.94nm          5.4mb
                   eS      09 42.50
WARB    37.01 180 eP      04 07.00    0.2
         0.5s     47.00nm          5.6mb
GTA     37.04 324 iPd     04 07.00   -0.1
         1.2s    100.00nm          5.5mb
        Z  22s      1.18um         4.6Msz
        E  12s      0.38um
                   pP      04 12.50  18km
                   sP      04 15.50
                   S       09 52.30
                   sS      10 03.50
LSA     38.00 305 P       04 17.00    1.3
                   S       10 07.00
YSS     38.29  18 (P)     04 17.50    0.2
         1.0s     40.00nm          5.2mb
        Z  18s      0.50um         4.4Msz
        N  18s      0.50um
                   e       05 51.00 521kmX
                   (PPP)   06 19.00
                   eS      10 11.00
                   (SSS)   13 25.00
                   e       14 22.00
MEEK    38.30 192 eP      04 18.00    0.3
MRWA    41.37 194 iPd     04 43.30    0.3
         0.5s      8.00nm          4.7mb
FORT    41.61 178 eP      04 45.00    0.1
GUN     41.82 300 P       04 45.60   -1.6
COOL    42.05 187 eP      04 49.00    0.5
PKI     42.14 299 P       04 47.00   -2.8
KKN     42.30 299 P       04 50.50   -0.5
DMN     42.41 299 P       04 50.00   -1.9
BAL     42.54 193 iPc     04 53.40    0.8
         1.0s     53.00nm          5.2mb
GKN     42.91 299 P       04 54.20   -1.7
KLB     43.28 191 eP      04 59.50    0.9
         0.3s      9.00nm          5.0mb
ZAK     43.73 338 eP      05 01.50   -0.5
         1.4s     18.00nm          4.7mb
        Z  12s      0.39um         4.5MszX
        N  12s      0.39um
        E  16s      0.29um
                   e       06 48.60 613kmX
                   eS      11 32.00
MUN     43.97 193 eP      05 04.00   -0.2
         1.0s     32.00nm          5.1mb
NWAO    44.68 191 eP      05 10.00    0.1
IRK     44.95 341 ePc     05 13.00    1.1
         1.5s     31.00nm          5.0mb
        Z  13s      0.37um         4.5MszX
STK     44.98 162 eP      05 12.40    0.0
         1.1s      7.20nm          4.5mb
                   i       05 21.00  29km
MOY     45.63 338 eP      05 18.00    0.8
         1.2s     60.00nm          5.4mb
WMQ     46.93 321 Pc      05 27.50   -0.3
         1.0s     39.00nm          5.4mb
```

Z 16s 1.19um 4.9MszX
N 15s 0.88um
pP 05 33.00 18km
sP 05 36.00
PcP 07 01.00
PcS 10 57.00
S 12 20.50
ScS 15 20.00
HYB 47.09 283 eP 05 30.00 0.7
e 07 02.00 479kmX
ADE 47.14 167 eP 05 30.70 1.3
BOD 47.68 351 iPd 05 33.50 0.1
0.9s 37.00nm 5.4mb
PET 49.04 25 eP 05 43.00 -0.9
Z 20s 0.40um 4.4Msz
E 20s 0.60um
eS 12 50.00
eSSS 17 30.00
NDI 49.44 298 eP 05 45.00 -2.4
BFD 50.20 164 iPc 05 51.00 -2.1
1.1s 189.00nm 6.0mb
CNB 50.82 156 eP 05 58.00 0.1
YAK 50.92 2 eP 05 57.00 -1.1
1.4s 80.00nm 5.5mb
e 13 14.00
DZM 50.95 130 iPc 05 59.00 -0.1
MGD 52.11 15 eP 06 07.00 -0.2
1.0s 20.00nm 5.0mb
e 06 27.00 80kmX
e 08 11.00
PRZ 52.38 316 eP 06 11.00 1.2
1.2s 80.00nm 5.5mb
e 08 11.00 672kmX
eS 13 38.00
KSH 53.07 311 P 06 17.00 2.0
1.0s 40.00nm 5.3mb
Z 16s 1.20um 5.0MszX
S 13 47.00
TLG 53.37 316 eP 06 18.00 1.0
2.6s 30.00nm 4.8mb
Z 16s 0.30um 4.4MszX
eS 13 47.00
eSS 17 29.00
SEM 54.66 325 iPd 06 25.90 -0.3
1.3s 72.00nm 5.5mb
epP 06 44.60 73kmX
e 08 29.80
eS 14 05.00
FRU 55.12 315 eP 06 30.00 0.2
2.0s 40.00nm 5.1mb
Z 16s 0.50um 4.7MszX
E 16s 0.60um
e 06 54.00 98kmX
e 07 31.00
QUE 58.51 299 eP 06 50.00 -4.3X
NRI 63.30 346 iPd 07 24.00 -1.9
1.2s 35.00nm 5.4mb
Z 16s 0.80um 5.0MszX
e 07 44.00 77kmX
e 08 04.00
MAIO 65.27 305 iPd 07 39.00 -0.5
0.9s 19.18nm 5.2mb
ASH 66.31 307 eP 07 42.00 -3.9X
ILT 66.92 20 iPc 07 49.30 0.0
1.4s 57.00nm 5.5mb
i 08 14.00 97kmX
SVE 67.83 327 iPd 07 55.00 -0.2
1.0s 80.00nm 5.8mb
e 08 12.00 63kmX
KAT 68.03 308 iP+ 07 58.00 1.2
e 16 56.00
ARU 68.83 326 iPd 08 01.00 -0.4
1.3s 60.00nm 5.6mb
Z 16s 0.50um 4.8MszX
e 08 19.00 67kmX
ANM 70.62 25 e(P) 08 13.40 1.2
SVW 74.39 30 ePd 08 35.58 1.0
0.8s 34.33nm 5.4mb
TTA 74.40 28 eP 08 34.61 -0.1
0.9s 13.05nm 5.0mb
BRW 75.26 19 iP 08 39.98 0.6
IMA 75.72 24 iPd 08 42.66 0.4
1.0s 20.47nm 5.1mb
GRS 75.73 308 iPc 08 44.00 1.1
1.5s 60.00nm 5.4mb
eS 18 24.00
KDC 75.77 33 iPd 08 42.53 0.0

0.8s 14.43nm 5.1mb
CPKM 76.04 29 (P) 08 44.36 0.1
CRP 76.08 29 eP 08 43.84 -0.6
SLKM 77.00 30 ePd 08 48.43 -1.0
ERE 77.10 309 iP 08 52.00 1.5
eS 18 47.00
PMR 77.54 29 iP 08 51.42 -0.8
0.9s 42.95nm 5.5mb
CSY 78.06 187 eP 08 55.30 0.3
0.5s 11.50nm 5.2mb
i 09 02.00 21km
FBA 78.12 26 iP 08 54.76 -0.7
1.1s 32.98nm 5.3mb
TOA 78.93 29 eP 09 01.50 1.5
KLU 79.08 29 iP 09 00.94 0.1
MOS 80.49 325 eP 09 08.00 -0.4
BALM 80.84 30 eP 09 10.71 0.4
OBN 81.14 324 eP 09 11.00 -0.9
1.6s 80.00nm 5.5mb
Z 16s 0.20um 4.6MszX
eS 19 18.00
APA 81.19 337 iPc 09 12.10 0.2
eS 19 22.00
KEV 83.08 340 iP 09 21.20 -0.5
MBC 84.84 13 eP 09 30.50 0.0
0.9s 19.00nm 5.3mb
BHL 84.86 303 P 09 30.00 -1.6
HRI 84.90 303 eP 09 32.50 0.7
SIT 85.07 33 eP 09 33.30 1.4
1.2s 14.62nm 5.1mb
KAF 85.18 332 iP 09 31.90 -0.5
1.3s 47.30nm 5.6mb
MML 85.32 302 iPd 09 34.80 1.0
PRNI 86.04 300 iPd 09 37.90 0.5
SAGI 86.34 300 iPd 09 39.20 0.2
NUR 86.37 331 eP 09 37.80 -0.5
0.6s 8.20nm 5.1mb
CSS 86.56 305 eP 09 41.00 1.1
MLR 89.69 316 eP 09 54.00 -0.8
e 13 49.00
DAG 90.06 353 iPd 09 55.00 -0.8
0.7s 21.92nm 5.5mb
MAW 90.61 200 iPc 09 59.20 0.9
1.0s 27.00nm 5.5mb
UZH 91.17 320 iPc 10 00.50 -0.9
1.0s 120.00nm 6.2mb
e 10 29.70 111kmX
OJC 92.20 322 eP 10 07.10 1.0
NB2 92.29 334 P 10 04.80 -1.5
1.1s 11.00nm 5.2mb
YKA 92.84 24 eP 10 08.00 -0.8
0.8s 4.60nm 5.0mb
UZD 94.22 319 eP 10 15.50 0.0
BRG 95.40 324 e(P) 10 21.80 1.0
1.2s 11.00nm 5.2mb
CLL 95.75 325 iPc 10 22.90 0.5
KHC 96.35 323 eP 10 26.50 1.3
e 10 51.00 90kmX
GEC2 96.39 322 PKP 10 25.00 -0.5
1.1s 2.55nm 4.6mb
MOX 96.83 325 iP 10 29.00 1.6
1.5s 19.00nm 5.4mb
Z 20s 0.20um 4.6Msz
E 20s 0.20um
CCM 119.57 34 ePKP 15 46.92 0.1
TKL 125.30 30 ePKP 15 57.62 -0.3
NAV 125.36 27 ePKP 15 57.44 -0.6
KIC 128.76 287 (PKP) 16 05.20 0.0
KIC 128.76 287 (PKP) 16 05.70 0.5
LPB 164.55 112 ePKP 16 55.00 -6.1X
i 17 03.80
CNCB 164.56 113 PKP 17 04.00 2.7X
ZOBO 164.60 111 PKP 17 02.80 0.6
LR 43 44.00
ITR 165.26 278 ePKP 17 01.50 0.2
SIV 170.91 124 PKP 17 06.40 1.4
S.D. = 1.0 on 134 of 144 obs.

% JUN 12, 1992 05h 13m 07.41± 0.83s
42.180 N ± 8.0km 7.806 W ± 6.6km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.0 (MDD).

ERUA 0.54 66 iPc 13 18.51 0.2
eS 13 25.40
EZAM 0.66 268 iPc 13 20.42 -0.2
eS 13 29.20
STS 0.90 322 eP 13 25.00 0.4
eS 13 35.40
EMON 1.30 15 eP 13 31.06 -0.5
eS 13 48.00
EPLA 2.48 148 eP 13 48.54 0.0
eS 14 17.70
S.D. = 0.5 on 5 of 5 obs.

JUN 12, 1992 05h 14m 08.84± 0.45s
17.631 N ±13.9km 63.359 W ± 5.4km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 3.5 (TRN).

BSK 0.57 120 eP 14 20.66 0.3
eS 14 28.48
SKI 0.66 116 eP 14 21.94 -0.1
eS 14 30.16
NEV 0.90 123 eP 14 26.72 0.7
eS 14 39.25
MGH 1.42 129 eP 14 34.84 0.1
eS 14 54.94
MBET 1.45 128 eP 14 35.54 0.5
eS 14 55.26
CPB 1.46 89 eP 14 35.03 -0.2
eS 14 55.19
ANG 1.53 108 eP 14 36.15 -0.1
eS 14 57.12
BPA 1.55 112 eP 14 36.23 -0.3
eS 14 58.21
PAG 2.26 134 eP 14 46.00 -0.9
CPD 2.47 280 iP 14 50.00 0.2
LPR 2.48 286 iP 14 50.40 0.4
CLLP 3.10 279 iP 14 58.80 0.2
PORP 3.15 278 iP 14 59.20 -0.3
LRS 3.38 282 iP 15 03.30 0.5
MGP 3.57 277 iP 15 04.60 -0.9
S.D. = 0.5 on 15 of 15 obs.

& JUN 12, 1992 05h 49m 14.40s
59.994 N 152.955 W
DEPTH = 113.5km
SOUTHERN ALASKA (2)
<AEIC>.

IVS 0.07 284 eP 49 30.44 1.5
INE 0.09 321 eP 49 29.88 1.0
eS 49 41.80
INW 0.12 310 eP 49 29.55 0.7
eS 49 41.90
RED 0.44 12 eP 49 30.77 -0.8
eS 49 43.42
RS1 0.48 12 eP 49 31.30 -0.7
RSO 0.48 12 eP 49 31.23 -0.8
eS 49 45.14
RS2 0.48 12 eP 49 31.28 -0.7
eS 49 45.11
REF 0.51 14 iP 49 31.42 -0.8
eS 49 44.44
DFR 0.61 12 iP 49 31.95 -0.9
eS 49 45.83
RDT 0.64 25 eP 49 32.11 -0.9
eS 49 45.66
PDB 0.66 252 eP 49 32.20 -0.8
eS 49 45.65
AUL 0.66 202 eP 49 32.38 -0.7
AUE 0.67 199 eP 49 31.98 -1.1
AUP 0.68 201 eP 49 32.53 -0.8
AUH 0.68 202 eP 49 32.68 -0.6
AUI 0.70 200 eP 49 32.41 -1.0
HOM 0.74 116 eP 49 33.06 -0.6
eS 49 48.04
NNL 0.83 86 eP 49 34.70 0.1
CNPM 0.99 118 iP 49 35.11 -1.0
eS 49 51.36
MCNL 1.07 221 eP 49 35.82 -1.1
CDD 1.12 199 iP 49 36.13 -1.4
BKG 1.13 17 eP 49 37.05 -0.6
CKL 1.24 14 eP 49 38.37 -0.6
SPU 1.27 20 iP 49 38.43 -0.8
CKN 1.29 17 eP 49 38.97 -0.4
BGL 1.30 12 eP 49 39.04 -0.6
CPKM 1.32 15 eP 49 39.66 -0.3
CGLM 1.40 19 eP 49 40.12 -0.6
SYI 1.42 168 eP 49 39.44 -1.4
SLKM 1.46 68 eP 49 40.42 -0.9

eS 49 59.73
NCG 1.47 15 eP 49 41.24 -0.3
SVW 1.73 311 P 49 43.50 -1.1
SUA 1.83 35 eP 49 45.54 -0.5
PMS 2.09 52 P 49 48.20 -1.0
SKT 2.11 19 eP 49 48.56 -0.9
PTE 2.14 64 eP 49 49.10 -0.6
PLRM 2.47 48 eP 49 53.39 -0.7
KNK 2.63 55 eP 49 55.31 -1.0
GHO 2.66 46 eP 49 55.31 -1.4
CUT 2.75 27 eP 49 56.65 -1.1
SML 2.90 49 eP 49 58.09 -1.8
HUR 3.39 27 P 50 01.10 -5.4
42 obs. associated

? JUN 12, 1992 05h 55m 08.72± 1.79s
37.260 N ±14.2km 15.335 E ±13.8km
DEPTH = 10.0km (geophysicist)
SICILY (398)

MEU 0.36 244 P 55 16.20 0.0
eSg 55 20.70
MNO 0.84 323 P 55 25.00 -0.1
eSg 55 35.00
ATN 0.90 6 P 55 26.20 0.2
eSg 55 37.40
SOI 0.99 35 P 55 27.40 -0.1
eSg 55 42.70
S.D. = 0.2 on 4 of 4 obs.

? JUN 12, 1992 06h 13m 47.55± 6.57s
39.238 N ±45.9km 27.938 E ±22.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

KCT 1.06 18 iPg 14 08.10 0.6
iSg 14 20.10
EDC 1.11 357 ePn 14 08.50 0.1
BNT 1.12 359 iPn 14 07.60 -0.9
KGT 1.31 338 ePn 14 12.00 0.3
IZI 1.61 47 ePn 14 16.10 -0.1
S.D. = 0.8 on 5 of 5 obs.

• JUN 12, 1992 06h 37m 41.78± 0.54s
18.205 S ±14.8km 173.541 W ±14.4km
DEPTH = 33.0km (normal)
4.5mb (10 obs.)
TONGA ISLANDS (173)

DZM 19.18 255 iPc 42 06.90 1.2
URZ 21.59 200 eP 42 25.60 -5.1X
e 42 42.10
THZ 26.18 203 P 43 16.40 1.2
LTZ 27.30 203 eP 43 24.80 -0.6
EWZ 28.46 204 P 43 36.70 0.9
CTA 37.97 260 eP 44 59.00 0.5
1.0s 53.00nm 5.4mb
WB2 49.12 259 eP 46 25.60 -2.9
0.9s 3.70nm 4.4mb
WRA 49.13 259 P 46 28.00 -0.6
0.5s 1.50nm 4.3mb
ASPA 49.17 254 eP 46 27.90 -1.0
0.9s 13.90nm 5.0mb
MSU 80.51 44 eP 49 52.51 0.0
PMR 81.88 12 eP 49 59.15 0.3
0.5s 5.44nm 4.8mb
SRU 81.92 44 eP 49 59.13 -0.7
TTA 82.03 8 eP 50 01.76 2.0
1.1s 1.88nm 4.0mb
PV10 82.55 46 eP 50 02.29 -0.9
BW06 84.44 42 eP 50 11.50 -1.2
0.8s 2.14nm 4.4mb
FBA 85.16 11 ePd 50 16.27 0.8
0.8s 19.53nm 5.4mb
IMA 85.34 8 eP 50 17.99 1.4
1.0s 2.51nm 4.4mb
MEO 88.47 53 iPc 50 31.60 -0.7
YKA 92.71 23 eP 50 51.40 0.1
1.0s 0.70nm 4.0mb
HFS 137.80 355 ePKP 57 17.80 13.6X
0.3s 2.00nm
KSP 146.51 349 ePKP 57 23.00 3.3X
CLL 146.56 353 iPKPc 57 22.70 3.0X
1.1s 20.00nm
BRG 146.86 351 iPKPc 57 23.70 3.5X
0.8s 10.00nm
PRU 147.63 350 ePKP 57 25.70 4.2X
KHC 148.62 351 ePKP 57 28.50 5.3X
1.4s 7.00nm
e 57 44.00
ZST 148.85 346 e(PKP)57 28.80 5.3X
GEC2 148.88 351 PKP 57 28.00 4.3X
1.0s 2.40nm
LOR 150.94 4 ePKP 57 33.30 6.6X
0.9s 7.20nm
SSF 151.12 4 ePKP 57 33.80 6.8X
1.1s 14.15nm
S.D. = 1.3 on 18 of 29 obs.

& JUN 12, 1992 06h 51m 01.53s
38.839 N 122.822 W
DEPTH = 0.1km
NORTHERN CALIFORNIA (36)
<GM-P>. MD 2.6 (GM).

NWRM 0.38 188 eP 51 09.76 0.5
ORV 1.25 55 eP 51 23.70 -2.0
ARN 1.80 145 eP 51 34.85 0.7
3 obs. associated

JUN 12, 1992 07h 27m 19.33± 0.38s
46.465 N ± 7.4km 153.256 E ± 5.1km
DEPTH = 28.5km (5 depth phases)
4.7mb (27 obs.) 4.1Msz (1 obs.)
KURIL ISLANDS (221)

KUR 3.96 254 ePn 28 20.00 0.4
Z 14s 2.70um
N 14s 4.90um
eS 29 07.00
SKR 4.61 23 ePn 28 29.00 0.2
Z 12s 2.10um
N 12s 0.90um
E 12s 3.10um
YSS 7.26 278 ePnc 29 09.00 2.8
Z 14s 0.50um
N 14s 0.50um
E 14s 0.50um
(S) 30 29.00
PET 7.43 26 ePn 29 14.00 5.5X
Z 14s 0.60um
MGD 13.74 355 eP 30 34.50 0.2
1.0s 20.00nm 4.9mb
MDJ 16.67 272 eP 31 12.60 0.3
CN2 19.76 272 eP 31 47.00 -2.8
YAK 20.59 328 eP 31 57.00 -1.3
SNY 21.73 268 Pd 32 10.00 0.0
1.2s 27.00nm 4.5mb
Z 16s 0.47um 4.0MszX
DL2 24.33 263 eP 32 37.70 2.2
1.0s 41.00nm 4.9mb
ILT 25.87 24 eP 32 49.00 -0.8
1.2s 25.00nm 4.7mb
i 33 36.00 245kmX
BOD 26.16 310 eP 32 51.60 -1.0
1.1s 7.00nm 4.2mb
BJI 27.57 270 eP 33 06.00 0.3
Z 16s 0.29um 3.9MszX
HHC 30.41 275 eP 33 31.60 0.3
1.0s 15.00nm 4.8mb
TIY 31.24 269 eP 33 39.00 0.5
Z 20s 0.38um 4.1Msz
TTA 32.57 41 eP 33 49.53 -0.4
1.1s 6.02nm 4.4mb
ZAK 32.89 295 eP 33 51.00 -1.7
1.2s 8.00nm 4.5mb
IMA 33.98 36 eP 34 02.49 0.3
1.3s 6.10nm 4.4mb
XAN 35.59 266 Pd 34 16.20 0.0
FBA 36.32 38 eP 34 22.23 0.2
0.5s 2.15nm 4.3mb
LZH 38.00 272 Pc 34 37.50 0.9
1.2s 56.00nm 5.3mb
BALM 39.05 44 eP 34 45.89 0.8
GTA 39.11 279 eP 34 46.50 0.6
1.0s 16.00nm 4.7mb
pP 34 52.50 20km
sP 34 56.50
CD2 40.96 266 P 35 01.50 0.5
1.0s 26.00nm 4.9mb
GYA 41.75 258 P 35 08.00 0.3
1.0s 27.00nm 4.9mb
MBC 44.83 20 eP 35 33.50 1.5
WMQ 45.12 292 P 35 35.50 0.7
Z 16s 0.31um 4.3MszX
pP 35 39.50 13kmX
LSA 50.39 273 eP 36 18.00 1.5
YKA 51.09 37 eP 36 20.70 -0.1
1.1s 4.70nm 4.3mb
CHG 52.15 257 ePc 36 30.20 0.8
1.0s 22.50nm 5.1mb
GUN 55.12 275 P 36 51.00 -0.7
PNT 55.31 53 eP 36 53.00 0.6
KKN 55.61 276 P 36 54.70 -0.4
PKI 55.66 275 P 36 54.80 -0.8
DMN 55.85 276 P 36 56.70 -0.1
GKN 55.92 276 P 36 57.00 -0.2
GAR 58.73 295 eP 37 16.20 -0.7
LRM 61.29 53 eP 37 35.10 0.6
KAF 63.74 335 iP 37 48.90 -1.3
0.4s 1.50nm 4.5mb
BW06 64.83 54 eP 37 58.20 0.3
1.0s 2.83nm 4.3mb
NUR 65.51 335 eP 38 00.60 -1.0
0.7s 6.30nm 4.8mb
MSU 66.11 59 eP 38 07.48 1.3
SRU 66.69 57 eP 38 10.17 0.4
RSSD 66.93 50 eP 38 11.50 0.2
1.0s 6.51nm 4.7mb
HYB 67.10 271 eP 38 12.50 0.0
UPP 68.01 338 iP 38 16.70 -0.8
PV10 68.04 57 eP 38 19.00 0.6
WB2 68.27 199 iPd 38 17.80 -1.8
0.9s 3.40nm 4.5mb
i 38 27.20 30km
WRA 68.28 199 P 38 18.50 -1.1
0.6s 1.10nm 4.1mb
NB2 68.53 341 P 38 20.30 -0.5
0.5s 4.80nm 4.9mb
HFS 68.76 340 eP 38 20.70 -1.5
0.9s 21.00nm 5.2mb
Z 17s 0.06um 3.9MszX
LR 06 12.00
ASPA 71.97 199 eP 38 41.10 -1.0
0.8s 7.80nm 4.8mb
i 38 51.10 32km
OJC 75.62 331 eP 39 03.00 0.0
e 39 12.20 30km
KSP 76.20 334 eP 39 00.60 -5.7X
MLR 77.36 325 ePc 39 14.00 1.1
ZST 78.26 332 eP 39 26.50 8.8X
GEC2 78.76 334 P 39 20.30 -0.2
0.7s 1.57nm 4.1mb
KBA 80.44 333 e(P) 39 30.00 0.3
0.8s 14.70nm 5.1mb
i 39 39.70 31km
PTJ 80.65 331 eP 39 30.70 0.0
S.D. = 1.0 on 56 of 59 obs.

? JUN 12, 1992 08h 06m 10.02± 2.91s
5.053 S ±25.0km 130.064 E ±36.7km
DEPTH = 199.5 ± 29.3 km
4.9mb (3 obs.)
BANDA SEA (280)

MTN 7.81 172 iPd 08 02.50 0.5
0.3s 230.00nm 5.9mb X
eS 09 24.00
KNA 10.71 187 eP 08 28.10 -11.3X
0.2s 28.00nm
eS 10 29.00
WB2 15.38 165 iPd 09 37.10 -1.1
0.3s 36.50nm 5.3mb X
iS 12 22.40
KKM 17.68 308 ePc 10 05.10 -0.2
QIS 17.99 150 iPc 10 09.00 0.6
0.6s 56.00nm 5.2mb
iS 13 22.00
ASPA 18.87 169 iPc 10 17.30 -0.4
0.6s 29.60nm 5.0mb
iS 13 34.90
WARB 21.27 189 eP 10 42.00 0.4
0.4s 4.00nm 4.3mb
eS 14 39.00
CHG 38.76 309 eP 13 17.00 0.1
S.D. = 0.9 on 7 of 8 obs.

% JUN 12, 1992 08h 29m 04.46± 0.82s
42.384 N ± 5.9km 18.639 E ± 6.0km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)

ML 1.4 (TTG).

HCY 0.12 302 iPgc 29 07.76 0.3
iSg 29 10.22
BDV 0.17 126 iPgc 29 08.37 0.0
iSg 29 12.22
TTG 0.46 84 iPgd 29 13.79 -0.1
iSg 29 21.46
NKY 0.50 32 iPgc 29 14.66 0.0
iSg 29 22.54
BRY 0.52 352 iPgc 29 14.66 -0.4
iSg 29 23.14
ULC 0.62 133 iPgd 29 16.67 -0.3
iSg 29 26.65
PVY 1.01 77 iPgd 29 23.82 0.2
iSg 29 39.91
IVA 1.05 62 iPgc 29 24.65 0.3
iSg 29 41.54
S.D. = 0.3 on 8 of 8 obs.

? JUN 12, 1992 08h 34m 36.95± 1.64s
11.271 N ± 9.9km 61.874 W ±33.5km
DEPTH = 70.0km (geophysicist)
WINDWARD ISLANDS (95)
MD 3.3 (TRN).

TCE 0.58 168 eP 34 50.68 -0.1
eS 35 02.52
TRN 0.77 143 eP 34 53.07 0.2
eS 35 08.40
GRW 0.91 13 eP 34 54.62 0.0
eS 35 12.07
TPP 1.04 156 eP 34 56.20 0.1
eS 35 14.13
TBH 1.11 135 eP 34 57.02 -0.2
eS 35 18.17
S.D. = 0.2 on 5 of 5 obs.

? JUN 12, 1992 09h 12m 35.58± 0.94s
43.112 N ±13.6km 0.612 W ± 7.4km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 1.0 (STR).

ESCF 0.04 141 Pg 12 37.33 -0.4
ATE 0.07 248 Pg 12 38.57 0.6
Sg 12 40.33
OGE 0.12 61 Pg 12 38.74 0.2
Sg 12 41.30
MADF 0.16 283 Pg 12 38.74 -0.5
Sg 12 40.39
S.D. = 0.9 on 4 of 4 obs.

JUN 12, 1992 09h 28m 34.99± 0.34s
42.944 N ± 3.6km 11.364 E ± 2.4km
DEPTH = 15.3 ± 3.0 km
3.6mb (1 obs.)
CENTRAL ITALY (381)
MD 3.8 (FIR), 3.6 (TRI), 3.4
(ROM), ML 3.7 (VIE), 3.5 (LDG),
3.4 (LJU).

MAO 0.55 197 Pd 28 46.20 0.4
eSg 28 55.00
CRE 0.81 32 Pd 28 49.60 -0.6
FIR 0.84 355 ePg 28 52.00 1.3
iSg 29 02.00
ASS 0.96 82 P 28 52.00 -0.8
eSg 29 06.50
PGD 0.97 16 Pc 28 53.00 0.0
eSg 29 07.50
PII 0.99 322 P 28 54.20 0.9
eSg 29 10.00
SFI 1.04 20 Pc 28 53.80 -0.3
eSg 29 09.00
MNS 1.12 119 P 28 56.50 1.0
eSg 29 12.50
BDI 1.25 334 P 28 58.00 0.3
eSg 29 16.00
ARV 1.28 64 Pc 28 57.40 -0.8
eSg 29 16.00
MME 1.34 339 P 28 59.70 0.4
RDP 1.55 139 P 29 03.40 1.3
AOU 1.62 111 P 29 03.50 0.5
PGF 1.79 258 Pn 29 06.10 0.6
Sn 29 28.00
SDI 2.20 123 P 29 12.00 0.5
BOB 2.29 323 P 29 14.20 1.4
PCP 2.59 309 P 29 17.11 0.0
FIN 2.62 300 P 29 16.90 -0.5
CKI 2.68 305 P 29 18.10 -0.2
IMI 2.71 292 P 29 19.88 1.1
SAL 2.73 348 P 29 19.50 0.5
ROB 2.87 299 P 29 21.01 -0.1
SBF 3.01 289 Pn 29 22.60 -0.3
CTI 3.11 4 P 29 24.50 0.1
VVI 3.13 14 P 29 25.50 0.8
ENR 3.14 295 P 29 24.18 -0.7
STV 3.21 295 P 29 26.03 0.2
RIY 3.24 41 e(Pn) 29 25.70 -0.5
TRI 3.26 31 P 29 26.50 0.1
DOI 3.37 299 P 29 28.10 0.0
PZZ 3.46 298 P 29 29.11 -0.4
FRF 3.50 282 Pn 29 29.60 -0.3
Sn 30 09.80
BHB 3.52 304 P 29 29.31 -0.9
CEY 3.55 37 ePn 29 28.90 -1.8
i 29 39.90
eSn 30 11.50
LMR 3.57 278 Pn 29 30.10 -0.9
Sn 30 10.60
VOY 3.58 30 ePn 29 30.50 -0.6
e 29 34.00
ORX 3.62 319 P 29 31.77 0.0
TMA 3.63 331 eP 29 32.50 0.6
RSP 3.69 308 P 29 31.26 -1.5
LRG 3.69 280 Pn 29 32.30 -0.4
HVAR 3.73 85 i(Pn) 29 30.40 -2.8
FVI 3.79 15 P 29 34.10 0.2
VDL 3.79 340 eP 29 34.80 0.6
VBY 3.79 46 ePn 29 36.60 2.6
iSn 30 17.60
LJU 3.84 35 ePn 29 33.00 -1.7
iPg 29 47.50
eSn 30 16.00
OSS 3.84 347 eP 29 36.50 1.6
RRL 3.85 302 P 29 35.26 0.1
LSD 3.93 311 P 29 35.77 -0.5
BNI 3.99 304 P 29 37.20 0.3
LPG 4.18 309 Pn 29 41.20 1.3
LPL 4.21 309 Pn 29 41.30 1.2
DIX 4.22 319 eP 29 43.90 3.5X
SQTA 4.28 359 iPnd 29 42.00 0.9
i 29 47.90
iSn 30 30.60
i 31 03.40
WTTA 4.32 2 iPnd 29 43.10 1.3
iPg 29 58.90
iSn 30 30.60
iSg 30 53.50
KBA 4.37 18 iPnd 29 41.70 -0.6
iPg 29 58.30
iSn 30 27.30
i 30 49.30
ZAG 4.38 47 e(Pn) 29 45.00 2.6
iSn 30 30.20
PTJ 4.42 47 ePn 29 42.80 -0.3
iSn 30 28.90
EMS 4.45 316 eP 29 46.30 2.7
BHG 4.90 12 ePn 29 50.40 0.7
SLE 5.23 338 eP 29 54.00 -0.4
BSF 5.85 328 Pn 30 03.00 -0.2
Sn 31 08.10
HAU 6.17 327 Pn 30 07.00 -0.6
Sn 31 15.90
CDF 6.17 334 Pn 30 06.50 -1.2
Sn 31 16.00
WET 6.29 9 iPnc 30 08.20 -1.2
KHC 6.38 13 Pn 30 09.50 -1.1
e 30 29.00
e 30 51.30
eSn 31 16.40
SMF 6.51 307 Pn 30 12.40 -0.1
LBF 6.61 310 Pn 30 13.70 -0.3
LOR 6.85 312 Pn 30 16.70 -0.5
AVF 6.87 307 Pn 30 17.10 -0.4
SSF 6.92 309 Pn 30 17.70 -0.6
CAF 7.00 290 Pn 30 18.40 -1.0
BGF 7.06 304 Pn 30 19.70 -0.5
MAF 7.08 301 Pn 30 20.50 -0.1
PRU 7.38 16 Pn 30 25.30 0.7
Z 14s 0.30um
e 30 52.50
Sn 31 42.00
LPO 7.56 287 Pn 30 25.90 -1.4
BRG 8.13 12 ePn 30 33.70 -1.4
iPg 31 11.00
eSn 31 56.00
e 32 08.00
eSg 32 45.00
e 33 08.00
eSg 56 01.00
CLL 8.44 7 ePn 30 39.00 -0.5
e 32 31.00
KSP 8.59 21 eP 30 37.20 -4.3X
e 32 28.40
YKA 66.36 336 eP 39 26.30 1.6
0.4s 0.20nm 3.6mb
S.D. = 1.0 on 77 of 79 obs.

? JUN 12, 1992 09h 41m 07.92± 5.06s
44.181 N ±47.0km 11.579 E ±25.2km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

PGD 0.32 161 P 41 14.70 0.0
eSg 41 18.40
SFI 0.33 143 P 41 14.70 0.0
eSg 41 20.50
CRE 0.61 154 P 41 20.30 -0.1
eSg 41 29.50
BDI 0.72 261 P 41 22.10 0.0
eSg 41 31.20
S.D. = 0.1 on 4 of 4 obs.

JUN 12, 1992 11h 06m 30.20± 0.12s
2.617 N ± 2.6km 125.687 E ± 3.5km
DEPTH = 79.2km (geophysicist)
5.8mb (115 obs.)
TALAUD ISLANDS, INDONESIA (263)
Depth from broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 22 Dip=60 Slip= -90
NP2: 202 30 -90
Principal Axes:
T Plg=15 Azm=112
P 75 292
Comment: The focal mechanism is
poorly controlled and
corresponds to normal
faulting. The preferred fault
plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 4.4±0.9*10**11 Nm
MOMENT TENSOR SOLUTION
Dep 71 No. of sta: 13
Moment Tensor; Scale 10**17 Nm
Mrr=-2.63 Mtt= 0.69
Mff= 1.95 Mrt=-0.46
Mrf=-1.23 Mtf= 1.10
Principal axes:
T Val= 2.89 Plg=13 Azm=119
N 0.06 4 28
P -2.95 76 283
Best Double Couple:Mo=2.9*10**17
NP1:Strike=214 Dip=32 Slip= -83
NP2: 26 58 -94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 65C
Centroid Location:
Origin Time 11:06:34.2 0.3
Lat 2.81N 0.03 Lon 126.10E 0.03
Dep 94.1 1.6 Half-duration 2.4
Moment Tensor; Scale 10**17 Nm
Mrr=-2.18 0.07 Mtt= 1.27 0.12
Mff= 0.92 0.15 Mrt=-0.95 0.08
Mrf=-0.10 0.08 Mtf= 1.68 0.10
Principal Axes:
T Val= 2.90 Plg= 9 Azm=139
N -0.43 16 232
P -2.47 71 22
Best Double Couple:Mo=2.7*10**17
NP1:Strike=211 Dip=39 Slip=-116
NP2: 63 56 -70

BIP 5.60 6 ePc 07 54.00 1.3
iS 08 56.50
CGP 5.88 350 eP 07 59.00 2.3

eS 08 48.00
MAP 7.84 348 iPd 08 28.00 4.3X
eS 09 03.00
TSM 7.98 282 ePd 08 29.90 4.3X
e 15 11.50
PLP 8.52 355 ePd 08 56.00 22.9X
PPR 9 92 316 ePc 08 56.00 3.9X
iS 09 40.00
KKM 10.04 290 ePc 08 59.20 5.3X
1 0s 1166.20nm 6.8mb X
i 09 07.20
i 09 18.70
PGP 11.79 337 ePc 09 25.00 7.8X
TGY 12.34 338 eP 09 30.50 6.0X
QVP 12 79 339 eP 09 35.00 4.5X
MTN 16.29 161 eP 10 11.30 -4.2X
0.4s 167.00nm 5.6mb
eS 13 09.00
PIP 16.38 343 eP 10 18.00 1.3
KNA 18.50 171 eP 10 40.30 -2.5
0.5s 203.00nm 5.6mb
WWKK 18.97 109 eP 10 44.70 -3.5X
MNDI 19.95 116 eP 10 57.70 -1.1
GUMO 21.87 59 Pn 11 15.40 -2.6
1.1s 581.70nm 5.9mb
Z 26s 1.19um 4.2MszX
eS 15 04.00
GUA 21.88 59 Pn 11 16.20 -1.9
0.7s 263.01nm 5.7mb
KGM 22.36 269 ePc 11 26.40 3.6X
QIZ 22.51 318 ePd 11 25.84 1.6
0.8s 61.00nm 5.1mb
N 14s 2.57um
E 14s 1.44um
sP 11 52.00
HKC 22.54 331 eP 11 23.80 -0.7
eS 15 18.00
TATO 22.59 350 eP 11 23.20 -1.8
LAT 23.18 113 eP 11 29.00 -1.8
QZH 23.23 343 eP 11 30.00 -1.2
1.2s 76.00nm 5.0mb
pP 11 56.00 126kmX
S 15 28.00
GZH 23.60 331 Pd 11 35.00 0.2
1.0s 130.00nm 5.3mb
Z 16s 1.43um 4.5MszX
N 12s 1.63um
E 14s 1.75um
S 15 35.00
WB2 23.98 160 iPc 11 37.00 -1.5
0.8s 503.00nm 6.0mb
iS 15 44.00
KLM 24.02 272 eP 11 41.50 2.6
MBL 24.32 193 iPd 11 42.80 1.0
PMG 24.50 119 eP 11 40.00 -3.6X
IPM 24.69 275 ePd 11 48.40 3.0X
1.1s 216.30nm 5.5mb
SNG 25.38 281 eP 11 51.40 -0.5
eS 16 12.00
QIS 26.77 150 eP 12 03.00 -1.6
0.5s 62.00nm 5.4mb
i 12 25.00 99kmX
i 16 37.00
RAB 27.31 104 eP 12 09.00 -0.6
ASPA 27.32 163 iPd 12 07.90 -1.7
0.3s 138.40nm 6.0mb
iS 16 38.20
iScS 22 47.80
LOE 27.74 304 eP 12 14.00 0.6
NST 28.32 299 eP 12 21.50 2.9X
SSE 28.64 352 P 12 16.00 -5.4X
Z 22s 1.40um 4.5Msz
N 12s 0.50um
E 12s 0.50um
PcP 15 31.00
WARB 28.65 178 eP 12 21.50 0.0
0.5s 35.00nm 5.2mb
KAGJ 28.84 9 P 12 22.90 -0.3
KHT 29.34 296 eP 12 28.50 0.6
WHN 29.78 340 ePc 12 31.50 -0.1
1.0s 210.00nm 5.8mb
Z 24s 1.35um 4.5MszX
E 11s 0.41um
PcP 15 34.00
MEEK 29.87 193 iPc 12 31.80 -0.7
GYA 29.92 324 P 12 33.80 0.7
1.0s 220.00nm 5.8mb

Z 20s 2.12um 4.8Msz
PcP 15 34.40
ScP 19 07.80
BDT 29.97 301 iPd 12 33.80 0.4
0.7s 49.40nm 5.3mb
NJ2 29.98 348 Pd 12 32.40 -0.9
0.8s 19.00nm 4.9mb
E 10s 0.46um
S 17 24.00
KUMJ 30.15 9 eP 12 33.90 -0.9
CTA 30.28 139 iPc 12 37.90 1.8
0.8s 104.48nm 5.6mb
eS 17 30.10
CHG 30.73 303 ePd 12 40.90 0.7
0.9s 78.15nm 5.4mb
CHTO 30.73 303 ePd 12 40.61 0.4
epPc 12 58.32 75kmX
ePP 13 48.89
KMI 31.46 317 iPd 12 47.80 1.1
1.8s 180.00nm 5.5mb
Z 34s 3.60um 4.8MszX
E 14s 1.40um
epPd 13 07.50 85kmX
esPc 13 15.28
ePP 13 55.08
S 17 48.00
sS 18 29.00
ENH 31.50 332 ePc 12 45.00 -1.7
epPd 13 05.36 88kmX
ePP 14 12.68
iPcP 15 37.65
SHNJ 31.75 9 eP 12 48.10 -0.8
TKSJ 32.17 13 P 12 52.80 0.3
SHK 32.41 11 iPd 12 54.50 -0.2
0.8s 125.37nm 5.8mb
WKYJ 32.77 15 iPd 12 57.80 -0.1
MRWA 32.99 196 iPc 12 59.30 -0.4
0.4s 11.00nm 5.0mb
YONJ 33.20 12 iPd 13 02.00 0.5
FORT 33.29 176 eP 13 01.00 -1.3
COOL 33.59 187 iPc 13 04.00 -1.0
0.4s 8.00nm 5.0mb
QLP 34.11 149 iPd 13 07.90 -1.6
TSRJ 34.12 15 P 13 09.30 -0.1
BAL 34.13 194 eP 13 11.00 1.4
0.7s 61.00nm 5.6mb
TIA 34.35 348 P 13 10.70 -0.8
0.8s 58.00nm 5.5mb
Z 36s 2.85um 4.7MszX
E 12s 0.73um
PcP 15 46.80
IIDJ 34.61 18 P 13 13.00 -0.7
KL8 34.84 192 eP 13 15.00 -0.7
0.3s 8.00nm 5.1mb
CD2 34.95 326 iPc 13 17.00 0.3
1.0s 110.00nm 5.7mb
E 10s 1.67um
eS 18 39.00
sS 19 12.00
XAN 34.96 335 iPd 13 15.60 -1.1
0.9s 59.00nm 5.5mb
N 12s 0.57um
E 14s 0.69um
CHJJ 35.47 19 P 13 19.50 -1.5
MUN 35.56 194 eP 13 21.00 -0.8
1.0s 60.00nm 5.5mb
MTMJ 35.60 17 P 13 21.50 -0.7
MAJO 35.68 17 eP 13 21.10 -1.7
KAKJ 36.01 20 P 13 22.60 -2.8
HNR 36.17 110 eP 13 22.00 -5.1X
e(S) 19 00.00
NWAO 36.24 192 eP 13 27.00 -0.5
1.0s 50.00nm 5.4mb
DL2 36.31 355 Pd 13 28.20 0.3
0.8s 160.00nm 6.0mb
Z 20s 0.92um 4.6Msz
N 13s 0.77um
PcP 15 53.00
eS 18 54.00
RMQ 36.53 144 eP 13 27.00 -3.0X
i 14 07.00 185kmX
i 15 54.00
NIIJ 36.57 18 P 13 28.80 -1.4
TIY 36.99 342 eP 13 32.80 -1.0
Z 35s 2.50um 4.8MszX
E 13s 0.48um
PcP 15 53.50

S 19 09.00
STK 37.49 157 iPd 13 37.00 -0.9
0.7s 43.50nm 5.5mb
eS 19 16.70
YAMJ 37.75 19 P 13 40.30 0.2
BJI 38.24 348 ePd 13 43.11 -1.0
1.1s 140.00nm 5.8mb
Z 28s 1.04um 4.5MszX
N 12s 0.43um
ePcP 15 57.58
i 16 46.69
eS 19 28.00
eScP 19 36.00
CMS 38.95 152 eP 13 49.00 -1.2
LZH 38.95 331 iPd 13 51.78 1.4
1.5s 350.00nm 6.1mb
Z 22s 1.38um 4.7Msz
N 16s 1.92um
pP 14 09.20 71kmX
sP 14 18.00
ePP 15 40.45
PcP 16 00.00
S 19 40.00
ScP 19 40.50
PcS 19 50.00
sS 20 18.00
eSS 22 30.00
ScS 23 51.00
SNY 39.08 357 iPd 13 51.00 -0.2
1.0s 290.00nm 6.1mb
Z 23s 1.08um 4.6MszX
iS 19 42.00
OFUJ 39.11 20 P 13 51.90 0.5
ADE 39.33 163 iPc 13 52.60 -0.8
0.8s 168.66nm 6.0mb
SHL 39.72 308 iP 13 57.40 0.5
0.9s 126.05nm 5.8mb
eS 19 51.00
AOMJ 40.04 17 eP 14 00.50 1.4
HHC 40.14 343 Pd 14 00.00 -0.1
1.2s 52.00nm 5.3mb
Z 36s 3.64um 5.0MszX
E 13s 0.41um
PcP 16 04.50
S 19 52.00
BTO 40.38 341 P 14 02.00 0.0
N 13s 0.32um
E 13s 0.32um
CN2 41.01 360 Pd 14 06.80 -0.2
0.7s 130.00nm 5.9mb
Z 20s 0.59um 4.4Msz
N 10s 0.31um
E 10s 0.21um
epP 14 28.00 89kmX
ePP 15 43.00
PcP 16 06.00
eScP 19 47.50
eS 20 09.00
eSS 23 06.00
eScS 24 01.00
ARMA 41.14 145 eP 14 08.00 -0.4
1.0s 162.00nm 5.8mb
i 14 31.00 98kmX
i 20 15.10
MRRJ 41.96 17 eP 14 15.60 0.8
MDJ 41.97 4 iPd 14 15.71 0.9
0.9s 270.00nm 6.1mb
Z 44s 2.17um 4.7MszX
S 20 28.00
LSA 42.41 313 ePd 14 20.86 1.6
epPd 14 41.72 87kmX
esPc 14 49.00
ePcP 16 12.18
i 16 28.56
S 20 35.00
BFD 42.58 160 iPd 14 18.00 -2.0
i 15 56.00 539kmX
HOOJ 42.61 19 eP 14 21.40 1.3
SAP 42.61 17 eP 14 21.00 0.8
GTA 43.53 331 iPd 14 28.00 0.2
1.0s 63.00nm 5.4mb
Z 22s 1.76um 4.9Msz
N 12s 0.83um
pP 14 44.00 63kmX
PP 16 13.00
PcP 16 15.00
ScP 19 58.00

12d 11h

				PcS	20 06.50	
				S	20 55.00	
				ScS	24 17.50	
KUSJ		43.73	20	eP	14 29.80	0.6
CNB		43.77	152	eP	14 30.00	0.3
ASAJ		43.97	18	eP	14 32.00	0.8
TOO		44.00	157	eP	14 32.00	0.4
		1.2s	155.00nm			5.7mb
GUN		45.55	307	P	14 43.20	-1.3
PKI		45.78	307	P	14 45.20	-1.1
KKN		45.98	307	P	14 47.00	-0.7
DMN		46.04	307	P	14 47.70	-0.5
BKM		46.54	117	iPc	14 52.50	0.6
GKN		46.58	307	P	14 51.60	-0.8
YSS		46.64	16	ePc	14 51.45	-0.8
		0.6s	130.00nm			6.0mb
	Z	19s	0.50um			4.5Msz
	N	19s	0.50um			
				ePcP	16 25.38	628kmX
				i	16 42.10	
				eS	21 34.00	
KUR		46.71	21	eP	14 52.50	-0.3
		0.9s	170.00nm			6.0mb
HIA		46.75	355	ePd	14 53.40	0.2
				ePcP	16 25.85	
				e	17 05.08	
DZM		46.77	124	iPc	14 52.90	-0.9
KOD		48.46	281	eP	15 07.60	0.2
				eS	22 24.00	
ZAK		51.24	342	iPd	15 27.00	-0.7
		2.2s	56.00nm			5.2mb
	Z	22s	0.37um			4.4Msz
	N	20s	0.43um			
				e	16 42.00	363kmX
				eS	22 34.00	
				e	26 12.00	
IRK		52.60	344	eP	15 36.20	-1.8
		1.5s	25.00nm			5.0mb
	Z	18s	0.53um			4.6Msz
				e	16 45.60	328kmX
				e	25 19.00	
NDI		52.87	304	iP	15 40.00	-0.3
		0.6s	80.00nm			5.9mb
WMO		53.05	326	eP	15 40.59	-0.9
		1.4s	100.00nm			5.7mb
	Z	24s	1.43um			4.9MszX
				ePcP	16 48.74	
				PP	17 44.00	
				e	1B 13.16	
				ScP	20 37.00	
				PcS	20 45.80	
				S	23 03.00	
				ScS	25 19.00	
MOY		53.09	341	ePd	15 41.80	0.3
		1.3s	64.00nm			5.5mb
POO		53.13	291	iPc	15 42.70	0.3
SKR		54.32	23	eP	15 50.50	-0.1
		1.0s	160.00nm			6.0mb
				e	23 22.00	
BOD		55.82	353	iPd	16 01.20	-0.2
		1.1s	290.00nm			6.2mb
PET		57.14	23	eP	16 11.00	0.2
		1.4s	170.00nm			6.0mb
	Z	20s	0.20um			4.2Msz
				e	17 04.00	236kmX
				e	18 18.00	
				e	24 00.00	
PRZ		57.87	320	iPc+	16 17.00	0.6
		1.4s	260.00nm			6.2mb
				eS	24 10.00	
KSH		58.07	316	P	16 18.50	0.7
		1.2s	170.00nm			6.0mb
	Z	20s	1.24um			5.0Msz
				pP	16 43.00	99kmX
				PP	18 30.00	
				S	24 12.00	
TLG		58.91	320	iPd	16 23.60	0.1
		1.5s	87.00nm			5.7mb
	Z	14s	0.20um			4.4MszX
				ePPP	17 06.00	
YAK		59.33	2	iPd	16 25.30	-0.6
		1.0s	780.00nm			6.8mb
				i	17 12.00	204kmX
				i	18 38.00	
				iS	24 26.00	
				iPS	24 55.00	
				i	26 03.00	

				eSS	28 22.00	
FRU		60.50	319	iP	16 34.00	-0.3
		2.0s	90.00nm			5.5mb
				i	17 17.00	185kmX
MGD		60.50	14	iPd-	16 34.00	0.0
		0.7s	370.00nm			6.6mb
				i	16 49.00	55kmX
				e	17 14.00	
				e	18 44.00	
				eS	24 42.00	
				ePS	25 04.00	
SEM		61.09	329	iPd	16 36.40	-1.7
		2.0s	94.00nm			5.6mb
				eS	24 49.10	
				e	26 15.00	
THZ		61.48	141	eP	16 39.20	-1.8
GAR		61.92	313	iP	16 42.60	-1.5
KHZ		62.23	142	eP	16 44.20	-1.7
SMY		63.95	30	eP	16 55.70	-1.3
		1.2s	371.55nm			6.2mb
ADK		68.46	34	eP	17 24.91	-0.9
		0.7s	46.88nm			5.5mb
CSY		69.61	186	iPd	17 33.00	0.5
		0.9s	47.80nm			5.4mb
				i	17 55.10	85kmX
ASH		70.61	309	eP	17 38.50	-0.7
NRI		71.18	347	iPd-	17 40.80	-1.2
		1.2s	446.00nm			6.3mb
				e	17 54.00	46kmX
				e	20 21.00	
				eS	26 50.00	
				(PS)	27 36.00	
KAT		72.46	310	iP+	17 50.50	0.3
				e	27 49.00	
SHI		74.08	300	eP	17 59.00	-1.1
SVE		74.36	329	iP	18 00.00	-0.9
		1.8s	100.00nm			5.4mb
				ePS	28 20.00	
ILT		75.20	19	iPd-	18 05.90	0.4
		1.2s	231.00nm			6.0mb
				eS	27 32.00	
				eSP	28 08.00	
ARU		75.29	328	eP	18 04.00	-2.3
				e	18 18.50	51kmX
HON		76.30	69	P	18 20.00	7.4X
	Z	20s	0.47um			4.8Msz
DHH		76.48	69	eP	18 11.91	-1.7
SDN		78.68	34	eP	18 24.47	-0.6
		0.8s	372.54nm			6.4mb
	Z	20s	1.59um			5.3Msz
ANM		78.70	24	eP	18 25.38	0.3
GRS		80.12	309	iPd	18 33.00	-0.5
		1.7s	100.00nm			5.5mb
				eS	28 36.00	
GRO		80.94	313	iPd	18 37.00	-0.4
	Z	15s	1.00um			5.3MszX
	N	16s	1.00um			
	E	16s	0.50um			
				eS	28 35.00	
ERE		81.58	310	iP-	18 41.00	0.0
				iS	28 46.00	
SVW		82.25	29	iPd	18 45.41	1.4
		1.2s	124.23nm			5.7mb
MAW		82.36	200	iPd	18 45.00	0.7
		1.0s	68.00nm			5.5mb
TTA		82.36	27	iPd	18 45.46	0.9
		0.8s	85.79nm			5.7mb
PYA		82.89	314	iPd	18 47.00	-0.6
		1.3s	150.00nm			5.8mb
KIV		83.15	314	ePd	18 48.44	-0.6
				epPc	19 06.81	66kmX
SBA		83.38	172	iPc	18 51.20	1.8
BRW		83.55	18	iPc	18 51.84	1.4
IMA		83.82	24	iPd	18 53.12	1.1
		0.8s	13B.80nm			6.0mb
CPKM		83.90	29	eP	18 58.86	6.2X
CRP		83.94	29	ePd	18 52.40	-0.4
SLKM		84.82	30	iPd	18 56.82	-0.2
PMS		85.19	29	iPd	18 59.20	0.3
		1.1s	214.10nm			6.1mb
SOC		85.29	313	eP	18 59.00	-0.7
				e	29 13.00	
PMR		85.41	29	ePd	18 59.27	-0.6
		0.8s	66.55nm			5.7mb
	Z	20s	0.25um			4.6Msz
COL		86.16	25	eP	19 02.78	-0.8
FBA		86.16	25	ePd	19 02.14	-1.5

		0.7s	19.25nm			5.3mb
MOS		86.76	326	iPd	19 06.00	-0.6
		1.6s	570.00nm			6.4mb
				eS	29 37.00	
TOA		86.83	28	ePd	19 08.30	1.3
ANN		87.03	315	iPd	19 07.00	-1.1
		0.8s	60.00nm			5.8mb
	Z	20s	0.50um			4.9Msz
				eS	29 23.00	
PMO		87.21	105	iP	19 12.20	2.7
		1.0s	40.00nm			5.5mb
OBN		87.35	325	iPd	19 09.29	-0.2
		1.5s	665.00nm			6.5mb
	Z	24s	0.60um			4.9MszX
	E	24s	0.60um			
				epPc	19 27.83	66kmX
				esP	19 39.75	
				e	31 12.00	
TPT		87.48	105	iP	19 13.40	2.6
		1.0s	40.00nm			5.5mb
VAH		87.48	105	iP	19 13.20	2.4
		1.0s	30.00nm			5.4mb
RUV		87.71	105	iP	19 14.00	2.1
		1.0s	60.00nm			5.7mb
APA		88.50	337	iPd	19 13.70	-1.1
				eS	29 40.00	
HRI		88.54	303	eP	19 16.10	0.3
BALM		88.69	29	ePd	19 16.29	0.3
MML		88.84	302	iPd	19 17.70	0.5
NAI		88.94	269	P	19 19.50	1.2
		1.0s	761.00nm			6.9mb X
ADI		88.98	303	eP	19 18.00	0.2
SIM		89.28	315	eP	19 18.00	-1.0
	Z	24s	1.00um			5.2MszX
				e	29 40.00	
SAGI		89.59	300	iPd	19 20.60	-0.2
PUL		90.47	330	ePd	19 23.60	-0.5
		1.1s	600.00nm			6.8mb
	Z	22s	0.60um			5.0Msz
				e	29 45.00	
				eS	30 08.00	
KEV		90.57	340	ePd	19 22.97	-1.5
				epP	19 41.34	65kmX
KAF		92.09	332	iP	19 30.80	-0.8
		0.7s	93.70nm			6.3mb
SPA		92.60	180	iPd	19 36.00	2.0
		1.2s	80.99nm			6.0mb
MNK		92.69	324	eP	19 33.00	-1.4
		1.4s	536.00nm			6.8mb
SIT		92.71	33	ePd	19 35.38	0.9
	Z	19s	1.20um			5.4Msz
KIS		92.76	317	iP	19 33.00	-1.9
		0.9s	140.00nm			6.4mb
NUR		93.17	331	iP	19 35.80	-0.7
		0.8s	79.50nm			6.2mb
MBC		93.26	13	eP	19 37.00	0.3
		1.0s	21.00nm			5.5mb
VRI		94.38	316	ePd	19 41.50	-0.9
PTT		94.45	317	eP	19 39.00	-3.8X
MLR		94.97	316	ePd	19 44.00	-1.4
LVV		95.52	320	iP+	19 47.00	-0.6
	Z	18s	0.80um			5.2Msz
BMR		96.27	318	ePc	19 52.00	1.0
KRI		96.56	253	iPd	19 52.10	-1.0
UPP		96.73	331	iP	19 52.20	-0.6
UZH		96.86	319	iPd	19 54.00	0.3
		1.0s	740.00nm			7.2mb X
BUL		97.53	250	iPc	19 57.00	-0.4
		1.1s	38.61nm			5.8mb
BZS		97.94	317	eP	19 56.00	-2.6
OJC		98.10	321	iP	19 59.80	0.5
		1.0s	86.00nm			6.2mb
VAY		98.10	312	iP	19 57.70	-1.7
DAG		98.23	352	iPc	19 58.50	-0.8
		0.9s	27.73nm			5.8mb
HFS		98.51	332	ePKP	19 59.10	-1.8
		0.7s	41.90nm			6.1mb
	Z	20s	0.38um			4.9Msz
				LR	58 49.00	
PSZ		98.59	319	iPd	20 01.30	-0.3
NB2		99.31	333	P	20 03.50	-1.1
		1.1s	56.60nm			6.1mb
OHR		99.45	312	eP	20 03.00	-2.7
BSD		99.58	327	iPc	20 05.70	-0.2
		0.7s	30.00nm			6.0mb
SRO		99.65	319	iP	20 06.30	0.0
UZD		99.78	318	eP	20 06.70	-0.2

KSP 100.09 323 iPdiff20 08.60 0.3
1.1s 65.00nm 6.2mb
ZST 100.33 320 iPdiff20 09.30 -0.1
YKA 100.94 24 ePdiff20 11.10 -0.6
0.9s 8.20nm 5.4mb
BRG 101.50 323 iPdiff20 16.60 2.1
1.1s 90.00nm 6.4mb
e 24 28.80
CLL 101.92 324 iPdiff20 16.30 -0.1
1.4s 56.00nm 6.1mb
MUD 102.11 329 iPdiff20 17.10 0.0
1.0s 41.00nm 6.1mb
KHC 102.29 321 iPdiff20 18.50 0.4
1.2s 15.50nm 5.6mb
Z 18s 0.40um 5.0Msz
N 18s 0.10um
E 18s 0.40um
e 23 13.50
e 24 15.00
S 30 48.00
GEC2 102.30 321 e(Pdif20 17.10 -1.2
1.1s 20.50nm 5.8mb
GMW 102.41 40 ePdiff20 19.50 0.8
WET 102.71 322 iPdiff20 20.50 0.5
1.3s 38.00nm 6.0mb
HOF 102.93 323 iPdiff20 21.70 0.7
1.2s 33.00nm 6.0mb
MOX 102.97 323 iPdiff20 21.50 0.4
1.4s 49.00nm 6.1mb
Z 18s 0.20um 4.7Msz
N 20s 0.20um
RMW 103.07 40 ePdiff20 22.53 0.8
KBA 103.09 320 ePdiff20 20.00 -2.0
1.1s 10.50nm 5.5mb
BHG 103.18 320 iPdiff20 22.50 0.4
1.2s 31.00nm 6.0mb
GRF 103.54 323 iPdiff20 24.40 0.7
1.3s 45.00nm 6.2mb
Z 21s 0.30um 4.8Msz
PNT 103.82 38 ePdiff20 26.00 1.1
OGA 104.66 320 iPdiff20 29.20 0.2
1.2s 24.00nm 6.1mb
LBFM 104.90 46 ePdiff20 31.23 1.0
WIT 104.96 327 ePdiff20 32.00 2.2
WTS 105.23 326 ePdiff20 31.50 0.4
1.0s 26.00nm 6.2mb
ORV 105.70 48 ePdiff20 34.15 0.6
CDF 106.43 322 ePdiff20 36.50 -0.2
1.1s 16.35nm 6.0mb
BCAO 106.87 275 iPKPd 24 50.00 0.6
0.5s 10.00nm
BSF 106.96 322 ePdiff20 38.40 -0.7
1.2s 17.25nm 6.1mb
LPG 107.92 320 ePdiff20 43.40 -0.3
1.5s 14.60nm 5.9mb
LPG 107.92 320 ePKP 24 51.10 0.3
0.9s 6.20nm
LPL 107.93 320 ePdiff20 43.60 0.0
1.0s 6.60nm 5.7mb
LPL 107.93 320 ePKP 24 51.10 0.4
0.9s 5.40nm
SES 108.42 34 ePdiff20 46.00 0.6
SES 108.42 34 ePKP 24 50.00 -1.2
EKA 108.71 332 Pdiffc20 46.70 0.2
1.2s 7.80nm 5.8mb
LOR 109.00 322 ePdiff20 47.60 -0.5
1.1s 11.50nm
LOR 109.00 322 ePKP 24 52.70 0.3
1.1s 7.35nm
LBF 109.05 322 ePdiff20 48.10 -0.2
1.2s 13.10nm
LBF 109.05 322 ePKP 24 53.10 0.6
1.0s 4.00nm
SMF 109.29 322 ePdiff20 49.20 -0.1
1.0s 8.80nm
SMF 109.29 322 ePKP 24 53.20 0.3
1.0s 8.80nm
SSF 109.31 322 ePdiff20 49.20 -0.2
1.2s 11.30nm
AVF 109.52 322 ePdiff20 50.10 -0.2
1.3s 9.05nm
LRM 109.65 39 ePKP 24 54.40 0.4
BGF 109.94 322 ePdiff20 52.00 -0.2
BGF 109.94 322 ePKP 24 54.80 0.6
1.0s 8.80nm
HPI 110.13 41 ePKPd 24 56.70 1.7
TCF 110.45 322 ePKP 24 55.80 0.6

0.9s 9.15nm
HVU 111.14 43 iPKPc 24 57.81 1.0
CAF 111.16 321 ePKP 24 57.60 1.0
1.0s 8.40nm
FCC 111.19 21 ePKP 25 00.50 4.4X
DMU 111.32 332 ePKP 24 56.80 0.3
DLF 111.51 331 ePKP 24 57.30 0.5
MFF 111.74 323 ePKP 24 57.20 -0.3
0.7s 5.50nm
DUG 111.76 45 ePKP 24 59.08 1.1
LPO 111.83 321 ePKP 24 58.80 1.0
1.2s 17.55nm
DCN 111.84 332 ePKP 24 57.60 0.1
LFF 111.99 321 ePKP 24 57.90 -0.2
1.0s 11.60nm
DAU 112.75 44 ePKP 25 00.97 0.9
MSU 112.88 46 ePKP 25 01.63 1.3
EMUT 113.31 44 iPKP 25 01.94 0.8
SRU 113.81 45 ePKP 25 02.21 0.1
ULM 116.43 28 ePKP 25 08.00 1.6
GOL 117.10 42 iPKP 25 09.09 0.7
Z 21s 0.17um 4.6Msz
ALQ 118.54 48 ePKP 25 12.45 1.2
Z 18s 0.02um 3.7MszX
ACO 122.85 42 iPKPd 25 19.80 0.7
MEO 124.26 44 iPKPc 25 22.30 0.3
OCO 124.62 43 iPKPd 25 24.70 2.1
FNO 124.82 43 iPKPd 25 23.10 0.1
FKO 124.83 43 iPKPd 25 23.70 0.7
SIO 125.28 42 iPKP 25 24.50 0.6
TUL 125.53 41 iPKP 25 24.70 0.3
1.1s 79.50nm
LNO 125.53 41 iPKP 25 24.50 0.3
e 25 30.10
RLO 125.88 41 iPKP 25 25.30 0.2
i 25 31.20
VVO 125.90 42 iPKP 25 25.50 0.4
EEO 126.31 21 ePKPc 25 27.90 2.3
CCM 127.05 36 PKP 25 27.15 -0.1
Z 19s 0.11um 4.6Msz
SLM 127.26 35 PKP 25 40.00 12.4X
Z 18s 0.27um 5.0Msz
UYO 127.43 42 iPKPd 25 28.60 0.5
FVM 127.58 36 ePKPd 25 28.02 -0.2
OLY 128.56 39 PKP 25 29.50 -0.7
LST 128.97 37 iPKP 25 31.29 0.4
GRT 129.33 37 ePKP 25 32.21 0.6
KIC 129.71 280 PKP 25 33.60 0.6
1.0s 48.00nm
TIC 129.94 281 PKP 25 34.10 0.7
LIC 130.01 280 PKP 25 34.20 0.7
MIM 130.58 14 iPKP 25 34.34 0.7
BNH 130.62 16 iPKP 25 34.30 0.5
LMN 130.85 10 ePKP 25 36.50 2.3
EMM 131.41 13 iPKP 25 36.63 1.4
HRV 132.45 17 iPKP 25 37.28 0.0
Z 20s 0.13um 4.6Msz
TBR 132.82 21 iPKP 25 38.54 0.5
LVNJ 132.92 21 iPKP 25 38.54 0.3
TKL 133.00 33 ePKP 25 38.77 0.2
NAV 133.28 29 ePKP 25 38.70 -0.4
CVL 133.83 27 ePKP 25 39.49 -0.6
PRM 134.95 33 iPKP 25 42.19 -0.2
CEH 135.24 29 PKP 25 50.00 7.2X
Z 21s 0.19um 4.8Msz
JSC 135.40 32 ePKP 25 43.67 0.5
LHS 135.48 32 ePKP 25 42.88 -0.4
ZON 148.20 156 iPKPd 26 11.00 5.2X
RTCB 148.20 156 iPKPc 26 07.20 1.3
ARE 158.21 130 ePKP 26 21.00 0.5
SDV 160.12 55 ePKP 26 22.50 0.0
TOV 160.26 51 ePKP 26 23.50 1.0
PPD 160.48 188 ePKP 26 24.10 1.7
e 27 04.60
CNCB 160.52 137 PKP 26 26.00 2.7
LPB 160.63 136 PKP 26 26.00 2.8X
ZOBO 160.78 136 iPKPd 26 25.20 1.6
1.5s 124.73nm
ITR 163.06 248 ePKP 26 26.20 1.0
SIV 165.14 154 PKP 26 28.60 1.5
i 27 26.00
S.D. = 1.1 on 293 of 318 obs.

JUN 12, 1992 11h 13m 06.26± 0.55s
51.646 N ± 4.6km 16.262 E ± 5.5km
DEPTH = 5.0km (geophysicist)
POLAND (548)

ML 3.8 (GRF).

KSP 0.80 179 iPc 13 22.00 -0.3
iS 13 29.90
BRG 1.65 243 iPn 13 35.80 -0.1
iPg 13 37.00
iSg 13 56.90
CLL 2.07 262 iPn 13 42.20 0.2
ePg 13 45.00
eSg 14 11.00
OJC 2.65 121 eP 13 51.00 0.5
iS 14 35.50
KHC 3.05 215 Pn 13 55.50 -0.5
Pg 14 02.50
e 14 30.40
eSg 14 39.00
HOF 3.08 246 iPnc 13 56.70 0.3
MOX 3.09 253 ePn 13 57.00 0.4
iPg 14 05.00
iSg 14 44.50
WET 3.31 222 iPnc 13 59.60 -0.2
ZST 3.50 171 e(Pn) 14 13.40 11.0X
i 14 30.60
i(Sn) 14 55.50
GRF 3.76 241 iPnc 14 06.60 0.5
ePg 14 19.60
e(Sn) 14 53.40
eSg 15 04.20
KBA 4.95 204 iPnc 14 22.90 -0.3
i 14 31.70
i 14 41.90
i 15 25.80
i 15 38.20
ABH 5.81 256 ePn 14 35.08 0.0
VOY 5.83 196 e(Pn) 14 54.00 18.4X
eSn 16 12.20
OGA 5.88 218 iPd 14 36.60 0.2
HFS 8.63 351 eP 15 15.30 0.6
0.4s 2.20nm 4.8mb
NB2 9.82 345 P 15 30.00 -1.1
0.4s 0.60nm 4.4mb
S.D. = 0.5 on 14 of 16 obs.

% JUN 12, 1992 11h 40m 03.77± 2.91s
33.897 S ±12.4km 71.079 W ±11.6km
DEPTH = 55.9 ± 32.4 km
NEAR COAST OF CENTRAL CHILE (135)
MD 3.2 (SAN).

TACH 0.27 26 iPd 40 13.40 0.1
iS 40 21.30
LNV 0.28 258 iPd 40 13.30 -0.1
iS 40 21.20
CHCH 0.36 96 iPd 40 14.10 0.0
iS 40 23.00
CACH 0.45 119 iPc 40 15.30 0.1
iS 40 25.20
PCH 0.55 60 iPd 40 16.00 -0.1
iS 40 26.10
PEL 0.82 24 iPc 40 19.70 0.2
iS 40 32.20
FCH 0.87 49 iPc 40 20.20 -0.2
iS 40 33.70
S.D. = 0.2 on 7 of 7 obs.

? JUN 12, 1992 11h 45m 34.43± 2.38s
30.125 N ±32.2km 78.885 E ±13.3km
DEPTH = 33.0km (normal)
4.8mb (3 obs.)
NORTHERN INDIA (308)

NDI 2.05 226 iPnd 46 09.30 2.1
iSn 46 30.00
iSg 46 43.50
GKN 5.46 111 P 46 57.60 1.8
DMN 6.00 113 P 47 04.60 1.0
KKN 6.07 111 P 47 04.80 0.4
PKI 6.26 112 P 47 06.60 -0.7
GUN 6.51 108 P 47 10.00 -0.7
SHL 12.36 108 eP 48 27.00 -4.2X
HYB 12.65 181 eP 48 33.00 -1.9
CHTO 21.41 117 (P) 50 23.00 1.3
WRA 72.97 126 P 57 02.00 -0.8
0.6s 2.30nm 4.4mb
WB2 72.98 126 iPc 57 01.70 -1.2
0.4s 8.20nm 5.1mb
ASPA 75.16 129 iPc 57 14.10 -1.4

12d 11h

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      0.4s      4.20nm            4.8mb
    S.D = 1.6   on   11 of   12 obs.
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   JUN  12, 1992  11h 50m 19.67± 0.26s
   23.887 S ± 5.4km    68.193 W ± 6.7km
   DEPTH = 118.7km  ( 14 depth phases)
   5.2mb ( 21 obs.)
 NORTHERN CHILE                   (123)
ANT      2.04 275 iPc    50 53.50  -0.6
                  iS     51 17.00
CNCB     7.04   2 P      52 02.90   0.7
                  i      52 40.00
LPB      7.32   1 P      52 07.00   1.2
      1.0s   430.00nm           5.9mb
ZOBO     7.56   0 P      52 08.80  -0.5
                  LR     23 20.00
RTCB     7.59 184 e(P)   52 06.50  -2.7
ZON      7.64 183 eP     52 07.00  -2.8
CFA      7.69 180 ePc    52 06.80  -3.7X
ARE      8.01 337 eP     52 12.00  -3.1X
                  iS     53 38.00
SIV     10.32  42 Pc     52 42.40  -3.4X
ITB1    12.62  96 Pd     53 17.00   1.0
ITB     12.78  97 e(P)   53 25.00   6.8X
ITB7    12.82  98 Pd     53 25.00   6.2X
PPD     15.66  87 iPc    53 56.70   1.7
                  i      53 58.70
VAO     19.50  92 eP     54 37.40  -2.6
                  i      54 38.90   6kmX
                  e      54 41.40
                  e      54 50.80
ITR     32.19  67 iPc    56 34.90  -3.5X
                  i      56 36.70   6kmX
BIM     38.80  11 eP     57 32.10  -2.4
MVM     38.87  11 eP     57 32.50  -2.5
FDF     39.00  11 eP     57 35.58  -0.6
CRM     39.06  11 eP     57 34.30  -2.3
AIA     41.44 178 eP     57 55.90   0.3
TKL     61.03 346 iPd    00 21.47  -1.4
                  pP     00 50.50 119km
PWLA    61.50 341 ePd    00 23.45  -2.6
NAV     62.02 349 ePc    00 28.72  -0.8
                  ePcP   00 38.66
                  pP     00 57.97 120km
NA2     62.33 352 iPd    00 30.80  -0.6
                  iPcP   00 48.29
                  pP     00 59.76 118km
MBO     62.88  58 iPd    00 35.70   0.2
UYO     62.90 336 iPc    00 34.60  -0.7
OLY     63.05 339 iPd    00 34.58  -1.7
                  iPcP   00 51.83
VVO     64.42 335 ePc    00 44.30  -1.0
RLO     64.89 336 iP     00 47.40  -0.8
LNO     64.95 335 eP     00 47.30  -1.2
TUL     64.95 335 eP     00 47.60  -1.0
     1.1s     57.60nm           5.4mb
FVM     64.99 341 iPd    00 47.54  -1.3
                  ePcP   01 04.43
                  pP     01 16.81 119km
SIO     65.00 335 eP     00 48.30  -0.7
FNO     65.01 334 iPd    00 47.10  -1.9
MEO     65.09 333 iPd    00 48.50  -1.1
OCO     65.27 334 iPd    00 51.50   0.8
CCM     65.31 340 ePd    00 49.56  -1.3
     0.8s     33.58nm           5.3mb
                  ePcP   01 02.19
HRV     66.13 357 iPd    00 56.17   0.1
     0.8s     18.20nm           5.1mb
                  iPcP   01 12.70
                  pP     01 26.30 123km
SPA     66.26 180 iPd    00 58.00   1.1
     1.1s     58.33nm           5.4mb
ACO     66.96 333 iPd    01 01.10  -0.4
LIC     68.44  73 P      01 10.20  -1.0
TIC     68.65  72 P      01 11.40  -1.1
KIC     68.76  73 P      01 12.00  -1.1
     0.6s     97.50nm           5.8mb
ALQ     68.85 327 iPd    01 14.26   0.8
     0.9s     30.06nm           5.1mb
                  ePcP   01 24.38
                  pP     01 43.89 119km
LMN     69.47   3 eP     01 18.00   1.2
                  pP     01 33.00  54kmX
EEO     70.88 352 eP     01 26.50   1.1
GLA     71.98 320 iPc    01 33.17   0.9
                  ePcP   01 50.95
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PV10    72.82 327 ePc    01 37.20  -0.2
PLM     73.40 319 iPc    01 42.16   1.4
                  iPcP   01 55.55
PEC     73.96 319 iPd    01 44.65   0.9
     1.3s     35.68nm           5.0mb
                  iPcP   01 58.94
SRU     74.13 327 iPd    01 45.43   0.6
                  pP     02 14.92 116km
MSU     74.51 326 iPd    01 48.28   1.1
                  ePcP   02 01.90
ARUT    74.64 324 ePd    01 49.17   1.3
                  ePcP   02 00.77
RSSD    75.22 334 ePd    01 51.40   0.3
     0.7s     20.24nm           5.0mb
DAU     75.49 327 eP     01 50.73  -2.1
ABL     75.85 319 iPd    01 55.90   1.1
DUG     76.10 326 eP     01 56.25   0.2
     1.1s     22.45nm           4.9mb
                  pP     02 26.61 120km
BW06    76.50 330 eP     01 58.00  -0.3
     0.7s      4.58nm           4.4mb
BCH     76.60 319 iPd    02 00.24   1.4
                  iPcP   02 12.91
PHAM    77.23 319 iPd    02 02.92   0.7
HVU     77.27 327 iPd    02 02.46   0.0
ULM     77.78 342 eP     02 06.50   1.6
                  pP     02 31.50  96kmX
PTI     77.90 328 iPd    02 06.82   0.9
HPI     78.88 329 eP     02 13.49   2.0
                  iPcP   02 23.08
                  pP     02 43.46 117km
ARN     78.91 319 iPd    02 12.79   1.3
LRM     80.18 330 eP     02 19.10   0.8
ORV     80.36 321 ePd    02 20.20   1.1
                  pP     02 50.14 117km
LTCM    81.15 321 iPd    02 23.05  -0.2
FRS     81.37 119 iPc    02 25.40   0.7
     0.4s     50.85nm           5.7mb
LBFM    81.78 322 iPd    02 27.24   0.5
                  pP     02 57.18 116km
MAW     81.87 163 ePd    02 26.00  -0.5
     1.0s     45.00nm           5.2mb
SES     83.10 334 ePd    02 33.00  -0.1
KSR     84.17 116 eP     02 40.00   0.6
     0.7s     21.50nm           5.1mb
PRY     84.22 117 iPc    02 40.70   1.1
     0.9s     15.38nm           4.9mb
DPW     84.36 329 iPd    02 40.11   0.6
                  pP     03 10.83 119km
FCC     85.10 347 ePd    02 44.90   2.1
LON     85.35 326 iPd    02 44.77   0.2
SLR     85.37 116 iPc    02 46.50   1.2
     0.7s     30.82nm           5.3mb
RMW     85.83 327 iPd    02 46.55  -0.3
BMW     85.90 325 iPd    02 47.98   0.7
PNT     86.04 329 ePd    02 48.00   0.2
     0.7s     10.00nm           4.9mb
GMW     86.38 326 iPd    02 49.68   0.2
                  pP     03 21.00 121km
PGC     87.45 327 eP     02 55.00   0.5
BUL     87.94 111 iPc    02 59.00   1.1
     1.0s     70.00nm           5.6mb
                  i      03 00.70   5kmX
                  i      03 29.10
BCAO    88.79  85 iPd    03 04.10   2.3
     0.5s     10.00nm           5.2mb
                  ic     03 32.20 106kmX
CSY     90.10 179 iPc    03 08.50   1.5
     0.7s     62.70nm           5.8mb
                  i      03 39.40 118km
KRI     90.19 108 iPc    03 12.50   4.0X
YKA     93.65 340 eP     03 23.10   0.0
     0.6s      6.00nm           5.1mb
CTA    124.89 220 iPKPc  09 08.90   1.1
     1.0s     15.00nm
ASPA   128.09 206 iPKP   09 13.30  -0.6
                  i      09 45.40
QIS    128.19 214 iPKPc  09 14.20   0.1
     0.9s     26.00nm
WB2    131.21 209 iPKP   09 19.20  -0.7
                  iPP    12 33.40
WRA    131.21 209 PKP    09 14.90  -5.0X
     0.5s      3.80nm
KUSJ   146.83 313 ePKP   09 48.70   1.4
ASAJ   147.72 316 ePKP   09 52.30   3.5X
HYB    148.28  95 ePKP   09 54.00   3.5X
NDI    148.69  74 ePKP   09 51.00   0.2
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MRRJ   149.53 314 ePKP   09 56.40   4.8X
GKN    155.25  75 PKP    10 00.00  -0.5
     S.D. = 1.2  on  88 of  99 obs.
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   JUN  12, 1992  12h 33m 24.86± 0.67s
   35.270 N ± 9.0km    28.391 E ± 8.3km
   DEPTH =  10.0km  (geophysicist)
   3.8mb (  6 obs.)
 EASTERN MEDITERRANEAN SEA        (371)
      MD 4.2 (ATH), 4.1 (HLW), ML 3.8
      (CSS).
ELL      1.92  39 iPn    33 59.50   1.5
NPS      2.27 271 ePn    34 09.00   6.0X
KHL      3.18  16 iPn    34 24.50   8.6X
IZM      3.25 344 iPn    34 17.10   0.2
PPCY     3.27  96 eP     34 18.60   1.5
                  eS     35 02.50
CSS      4.06  93 eP     34 29.00   0.6
                  eS     35 19.60
PRK      4.31 338 ePn    34 34.00   2.0
VLI      4.65 290 ePn    34 39.50   2.7
EZN      4.83 341 ePn    34 37.60  -1.8
KCT      4.97 360 ePn    34 45.00   3.7X
BNT      5.09 356 ePn    34 42.00  -1.0
IZI      5.13   9 ePn    34 50.00   6.4X
HRT      5.63  10 ePn    34 53.00   2.3
HLW      5.94 154 eP     35 02.50   7.5X
KOT      6.06 150 ePn    34 56.00  -0.7
                  eSn    36 04.00
HRI      6.40 106 eP     35 01.60   0.0
DSI      6.91 120 eP     35 09.70   1.1
MBH      7.75 133 eP     35 21.30   0.8
GEC2    17.36 326 P      37 28.10  -0.7
     0.5s      0.48nm           2.9mb
LPG     19.34 308 eP     37 53.80   0.4
     0.6s      3.70nm           3.8mb
LPL     19.36 308 eP     37 54.00   0.4
     0.5s      4.10nm           3.9mb
HFS     26.65 344 eP     39 02.50  -2.7
     0.4s      1.10nm           3.9mb
NB2     28.04 342 P      39 17.40  -0.6
     0.6s      0.70nm           3.6mb
GKN     47.89  82 P      42 04.60  -0.8
DMN     48.43  83 P      42 09.00  -0.7
KKN     48.50  82 P      42 09.00  -1.1
PKI     48.69  82 P      42 11.00  -0.8
GUN     48.94  82 P      42 12.50  -1.2
YKA     78.13 343 eP     45 23.70  -1.6
     0.6s      0.40nm           3.7mb
     S.D. = 1.4  on  24 of  29 obs.
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 • JUN  12, 1992  12h 55m 28.47± 0.70s
   35.436 N ± 8.4km    28.566 E ± 8.3km
   DEPTH =  10.0km  (geophysicist)
   3.7mb (  4 obs.)
 EASTERN MEDITERRANEAN SEA        (371)
      MD 4.3 (ATH), 4.0 (HLW), ML 3.8
      (CSS).
ELL      1.70  39 iPn    56 01.50   3.0
CIN      2.19 350 eP     56 08.00   2.5
NPS      2.42 267 ePn    56 11.00   2.3
KHL      2.98  15 iPn    56 17.50   0.8
IZM      3.14 341 ePn    56 18.10  -0.8
PPCY     3.14  99 eP     56 20.80   1.9
                  eS     57 00.50
CSS      3.93  96 eP     56 31.50   1.3
                  eS     57 19.00
PRK      4.22 335 ePn    56 35.00   0.8
EZN      4.73 339 ePn    56 41.60   0.1
VLI      4.74 287 ePn    56 42.00   0.4
EDC      4.93 354 ePn    56 44.00  -0.4
BNT      4.94 354 ePn    56 45.00   0.6
IZI      4.94   8 ePn    56 45.00   0.4
HLW      6.03 156 eP     57 02.50   2.6
KOT      6.14 152 ePn    57 01.00  -0.4
                  eSn    58 07.00
MMR      6.18 111 eP     57 08.90   6.8X
JVI      6.65 120 eP     57 13.70   5.0X
SAGI     7.30 134 eP     57 22.80   5.0X
                  eS     58 41.30
LPG     19.35 308 eP     59 56.30  -0.8
     0.7s      4.85nm           3.9mb
LPL     19.37 308 eP     59 56.30  -1.0
     0.3s      1.20nm           3.6mb
CLL     19.42 330 eP     59 58.00   0.4
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HFS     26.53 343 eP     01 05.20  -2.5
        0.5s     1.00nm           3.8mb
GKN     47.73  83 P      04 06.20  -1.5
DMN     48.27  83 P      04 11.00  -1.0
KKN     48.34  82 P      04 09.70  -2.8
PKI     48.53  83 P      04 11.80  -2.3
GUN     48.77  82 P      04 14.80  -1.2
YKA     78.01 343 eP     07 25.90  -2.3
        0.6s     0.40nm           3.7mb
     S.D. = 1.7  on  25 of  28 obs.
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   JUN  12, 1992  13h 12m 57.21± 0.34s
    1.087 N ± 5.3km  124.165 E ± 8.9km
   DEPTH =  33.0km  (normal)
   4.8mb ( 13 obs.)
 MINAHASSA PENINSULA, SULAWESI   (265)

TSM      7.05 297 iPd    14 38.50  -2.2
CGP      7.34   4 eP     14 45.00   0.2
BIP      7.39  16 ePc    14 43.50  -2.0
PIP     17.48 349 eP     17 03.50   3.3X
WB2     23.17 155 iPc    18 01.30  -0.6
        0.5s    36.70nm           5.1mb
                  i      18 13.70  50kmX
                  eS     21 58.90
QZH     24.32 348 eP     18 13.00  -0.1
NANU    24.97 199 eP     18 19.00  -0.3
QIS     26.29 146 eP     18 31.00  -0.8
        0.4s    13.00nm           4.9mb
                  i      18 43.00  47kmX
ASPA    26.36 160 iPd    18 32.20  -0.2
        0.6s    15.50nm           4.8mb
WARB    27.22 175 eP     18 40.00  -0.2
        0.7s     6.00nm           4.3mb
BDT     29.50 304 eP     19 01.50   0.6
GYA     30.33 328 P      19 09.00   0.7
        0.6s   130.00nm           5.9mb X
CHG     30.37 307 eP     19 09.30   0.7
        0.9s    10.50nm           4.6mb
CHTO    30.37 307 ePc    19 08.30  -0.3
KMI     31.61 321 Pd     19 21.00   1.3
        1.2s    50.00nm           5.2mb
CD2     35.41 329 eP     19 52.40   0.1
        1.0s    70.00nm           5.5mb
XAN     35.75 338 Pd     19 55.00  -0.2
        1.0s    14.00nm           4.8mb
STK     36.71 155 iPd    20 03.30   0.1
        0.7s     4.50nm           4.5mb
TIY     38.01 345 eP     20 14.40   0.2
ADE     38.36 161 eP     20 18.00   0.9
BJI     39.45 350 eP     20 26.00   0.0
SHL     39.51 311 eP     20 28.00   1.0
LZH     39.60 334 eP     20 28.00   0.4
        1.0s    39.00nm           5.1mb
     Z  20s     0.25um            4.0Msz
ARMA    40.81 142 iPd    20 39.00   1.5
BTO     41.37 344 eP     20 42.80   0.8
GTA     44.14 333 P      21 05.50   0.8
        1.5s    19.00nm           4.7mb
HYB     47.68 293 eP     21 33.00   0.1
WMQ     53.49 328 P      22 17.00   0.3
        1.3s    10.00nm           4.7mb
OBN     87.72 325 eP     25 42.00  -1.8
BUL     95.59 250 iPc    26 20.20  -1.1
        1.0s     5.00nm           4.9mb
     S.D. = 1.0  on  29 of  30 obs.
---------------------------------------
*  JUN  12, 1992  13h 25m 24.18± 0.48s
   36.628 N ± 9.6km   49.764 E ± 9.0km
   DEPTH =  33.0km  (normal)
   4.3mb ( 10 obs.)
 WESTERN IRAN                    (347)

TEH      1.58 124 eP     25 52.00   1.6
TAB      3.09 299 e(P)   26 18.00   6.0X
KER      3.14 224 eP     26 24.20  11.6X
SHI      7.34 161 eP     27 12.00   0.1
MAIO     7.85  89 iPc    27 18.30  -0.7
        0.8s    12.81nm           5.1mb
                  eS     28 52.00
MLR     19.97 304 eP     29 59.00   2.5
OBN     20.56 338 eP     30 02.00  -0.4
        1.0s    35.00nm           4.7mb
                  e      30 09.00
OJC     25.45 312 eP     30 52.10   1.6
NUR     28.76 334 eP     31 29.80   9.3X
GEC2    28.89 306 P      31 21.30  -0.7
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```
        0.6s     3.49nm           4.2mb
KAF     29.40 338 eP     31 26.60   0.3
        0.7s     2.00nm           4.0mb
CLL     29.89 311 eP     31 31.00   0.2
HFS     32.89 327 eP     31 56.40  -0.6
        0.5s     2.10nm           4.3mb
NB2     34.40 328 P      32 09.00  -1.1
        0.6s     0.80nm           3.8mb
EKA     40.13 315 Pc     32 56.50  -1.7
        0.5s     1.30nm           3.9mb
CHTO    46.49  99 (P)    33 49.00  -1.1
KIC     58.02 253 P      35 15.80  -0.6
LIC     58.33 253 P      35 17.80  -0.7
BUL     59.90 203 iPd    35 29.00  -0.4
        1.0s     5.50nm           4.6mb
FBA     77.87   8 eP     37 21.01   1.4
        1.0s     5.97nm           4.6mb
YKA     80.42 353 eP     37 33.70   0.2
        0.8s     1.00nm           3.9mb
     S.D. = 1.2  on  18 of  21 obs.
---------------------------------------
   JUN  12, 1992  13h 42m 44.29± 0.36s
   27.979 N ± 5.3km  128.087 E ± 5.3km
   DEPTH =  21.2km  (  4 depth phases)
   4.9mb ( 26 obs.)
 RYUKYU ISLANDS                  (238)

TATO     6.63 245 eP     44 24.40   1.5
                  S      46 05.50
SSE      6.77 299 Pn     44 22.70  -2.2
     Z  12s     3.80um
     N  10s     4.30um
     E  10s     3.50um
SHK      7.62  30 eP     44 38.50   1.6
NJ2      8.97 299 Pd     44 53.00  -2.6
        0.8s    21.00nm           5.4mb
     N  11s     6.91um
                  eS     46 29.80
QZH      9.03 253 eP     44 58.00   1.6
     E  10s     2.01um
                  sP     45 07.00
                  S      46 40.00
DL2     12.15 335 eP     45 43.00   3.9X
     Z  12s     1.77um
     E  10s     2.27um
                  eS     47 50.00
WHN     12.26 285 eP     45 40.50  -0.1
     Z  14s     2.47um
     N  14s     6.25um
     E  14s     2.45um
TIA     12.39 314 eP     45 43.80   1.5
     Z  12s     2.45um
     N  10s     1.64um
     E  11s     2.81um
GZH     14.17 253 eP     46 11.00   5.1X
     Z  10s     1.90um
     N  11s     1.77um
     E  10s     1.32um
SNY     14.30 346 Pc     46 08.00   0.5
     Z  15s     1.94um
     N  10s     1.47um
     E  10s     2.71um
BJI     15.55 324 eP     46 25.50   1.8
        1.2s    36.00nm           4.5mb
     Z  16s     1.50um            4.1Msz
     N  11s     0.84um
CN2     15.93 353 eP     46 33.00   4.3X
        1.0s    37.00nm           4.5mb
     Z  10s     4.46um            4.7MszX
     N  10s     3.10um
     E  10s     1.59um
TIY     16.33 310 eP     46 36.00   2.1
     Z  14s     2.14um
     N  12s     3.09um
                  eS     49 32.50
                  sS     49 44.00
MDJ     16.65   4 eP     46 40.00   2.2
        2.0s   230.00nm           5.0mb
     Z  10s     3.18um            4.0Msz
     N  10s     2.46um
     E  11s     0.90um
XAN     17.50 295 eP     46 47.00  -1.6
     N  12s     4.66um
     E  12s     2.06um
HHC     18.69 318 eP     47 03.80   0.5
        1.2s    17.00nm           4.1mb
     Z  12s     2.17um            4.2MszX
```

```
GYA     19.11 270 P      47 12.00   3.4X
     Z  12s     4.30um
BTO     19.48 315 eP     47 13.00   0.1
     N  12s     2.08um
     E  12s     1.40um
                  PP     47 32.50
CGP     19.68 190 eP     47 14.50  -0.7
PJG     21.20 129 e(P)   47 40.90  10.0X
CD2     21.38 284 eP     47 31.20  -1.4
        1.0s   130.00nm           5.3mb
     N  13s     9.89um
                  pP     47 37.00  21km
                  sP     47 41.00
                  PP     47 58.50
LZH     22.05 298 eP     47 40.00   0.6
        2.0s    95.00nm           4.9mb
     Z  15s     1.36um            4.5MszX
     E  11s     1.31um
                  pP     47 46.50  23km
                  sP     47 50.50
                  sS     51 52.00
KMI     22.84 269 Pd     47 48.50   1.0
        1.5s    60.00nm           4.9mb
     Z  10s     1.00um            4.6MszX
     N  10s     1.60um
     E  10s     1.00um
KUR     23.32  37 eP     47 52.00   0.4
        1.8s  4170.00nm           6.7mb X
GTA     26.04 303 eP     48 16.60  -1.3
        1.5s    70.00nm           5.1mb
     Z  14s     1.97um            4.8MszX
     N  12s     1.93um
                  pP     48 24.00  26km
                  SS     53 50.00
CHG     28.20 257 eP     48 41.40   3.7X
CHTO    28.20 257 eP     48 37.50  -0.2
                  epP    48 41.50  14km
ZAK     29.25 327 eP     48 46.00  -0.8
        1.8s    17.00nm           4.5mb
     Z  12s     1.18um            4.7MszX
     N  12s     0.58um
     E  12s     0.86um
                  eS     53 38.00
IRK     30.06 330 ePd    48 58.20   4.2X
        1.0s    29.00nm           5.1mb
     Z  15s     0.96um            4.6MszX
     N  13s     0.71um
     E  15s     0.46um
BOD     31.41 346 eP     49 04.30  -1.6
        1.5s    12.00nm           4.6mb
SHL     32.34 274 eP     49 14.50  -0.1
IPM     34.70 233 ePc    49 36.00   1.1
        1.0s    47.10nm           5.4mb
WMQ     35.95 307 P      49 46.00   0.7
        1.0s    30.00nm           5.2mb
     Z  12s     1.34um            4.9MszX
                  sP     50 02.00
GUN     37.15 280 P      49 56.80   0.8
PKI     37.62 280 P      49 59.50  -0.4
KKN     37.69 280 P      50 00.50   0.1
DMN     37.88 280 P      50 02.00   0.0
GKN     38.21 281 P      50 03.20  -1.5
MTN     40.69 175 eP     50 24.40  -0.6
SEM     42.40 315 eP     50 38.80   0.1
     Z  14s     1.10um            4.9MszX
     E  12s     0.60um
KSH     44.28 299 eP     50 58.00   3.6X
NDI     44.50 283 eP     50 56.80   0.7
FRU     45.30 304 eP     51 06.00   3.6X
        1.2s    20.00nm           4.9mb
     Z  14s     0.70um            4.7MszX
     N  14s     1.00um
     E  14s     1.40um
NRI     47.44 342 eP     51 17.00  -1.9
        1.8s    22.00nm           4.9mb
     Z  12s     1.10um            5.0MszX
     E  12s     0.70um
WRA     48.02 172 P      51 24.00   0.0
        0.7s    10.40nm           5.0mb
WB2     48.02 172 iPc    51 23.90  -0.1
        0.7s    21.80nm           5.3mb
QIS     49.52 166 iPd    51 35.80   0.3
        1.0s    15.00nm           5.0mb
ILT     50.77  23 eP     51 45.00   0.5
        1.6s    25.00nm           4.9mb
     Z  14s     0.50um            4.7MszX
ASPA    51.65 173 iPd    51 51.90   0.2
```

0.7s 12.30nm 4.9mb
SVE 54 81 322 ePc 52 15 20 0.4
2.0s 40.00nm 5.1mb
Z 13s 1.50um 5.2MszX
N 13s 0.40um
E 13s 1.00um
ARU 55.93 321 eP 52 22.00 -0.9
ASH 58.13 299 eP 52 39.50 0.8
TTA 59.10 31 ePc 52 43.19 -2.1
1.2s 8.22nm 4.7mb
IMA 60.02 27 eP 52 49.52 -2.1
0.9s 2.99nm 4.4mb
STK 60.90 167 iPc 52 58.00 0.2
0.6s 4.20nm 4.7mb
MBC 68 17 14 eP 53 46.50 1.9
YKA 77 00 25 eP 54 34.20 -2.6
0.9s 4.30nm 4.5mb
NB2 77.70 334 P 54 56.00 15.2X
0.8s 1.10nm
DPW 83.94 38 (P) 55 14.02 -0.1
LBFM 85.46 45 eP 55 22.57 0.5
ARN 87.91 48 (P) 55 34.15 0.3
LRM 88.32 38 eP 55 36.20 0.3
MSU 93.14 43 eP 55 59.56 1.1
SRU 93.74 42 (P) 56 00.60 -0.6
PV10 95.09 42 eP 56 03.00 -4.5X
ZOBO 161.02 56 ePKP 02 53.00 7.7X
S.D. = 1.2 on 54 of 66 obs.

JUN 12, 1992 13h 44m 11.41± 0.36s
42.694 S ± 4.8km 171.889 E ± 5.3km
DEPTH = 21.3 ± 4.2 km
SOUTH ISLAND, NEW ZEALAND (162)
ML 3.7 (WEL).

LTZ 0.29 108 Pd 44 18.30 0.2
S 44 22.60
DSZ 0.95 356 P 44 29.10 0.0
EWZ 1.12 223 P 44 33.00 1.3
MOZ 1.16 151 P 44 33.10 0.8
THZ 1.20 39 Pc 44 32.50 -0.5
KHZ 1.25 78 P 44 34.80 1.1
ORZ 1.93 15 P 44 43.50 0.1
LMZ 2.17 241 eP 44 47.60 0.7
TCW 2.31 51 P 44 49.70 0.7
BWZ 2.34 218 P 44 49.40 0.1
DIW 2.43 40 P 44 52.10 1.5
ODZ 2.52 201 eP 44 51.40 -0.5
MRW 2.56 56 P 44 52.60 0.2
MOW 2.81 64 eP 44 54.80 -1.2
CAW 2.85 57 P 44 56.00 -0.6
KIW 2.91 52 eP 44 57.90 0.5
MHZ 3.03 218 eP 44 58.50 -0.7
LSCZ 3.03 216 P 44 58.40 -0.8
SBCZ 3.04 217 eP 44 58.40 -0.9
MMCZ 3.05 220 eP 44 59.10 -0.4
MTW 3.10 62 P 44 58.60 -1.6
MNG 3.40 54 eP 45 03.70 -0.7
TUZ 3.64 206 eP 45 08.50 0.7
S.D. = 0.9 on 23 of 23 obs.

% JUN 12, 1992 13h 45m 23.68± 3.01s
40.053 N ±21.3km 27.812 E ± 8.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EDC 0.30 8 iPg 45 29.50 -0.4
BNT 0.31 15 iPg 45 30.50 0.3
iSg 45 35.50
KCT 0.46 65 iPg 45 33.00 -0.1
KGT 0.56 316 ePg 45 35.00 0.0
iSg 45 39.00
CTT 1.19 23 ePg 45 46.00 0.1
eSg 46 01.00
S.D. = 0.3 on 5 of 5 obs.

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* JUN 12, 1992 14h 14m 49.78± 2.35s
32.921 S ±12.2km 73.241 W ±21.5km
DEPTH = 30.0 ± 6.3 km
OFF COAST OF CENTRAL CHILE (134)
MD 4.1 (SAN).

LNV 1.85 124 iPc 15 19.80 -0.1
iS 15 42.30
TACH 2.06 111 iPc 15 22.80 -0.3
(S) 15 44.20
PEL 2.16 97 iPc 15 24.00 -0.4
iS 15 49.60
SAN 2.23 104 iPc 15 25.20 -0.2
iS 15 51.80
CHCH 2.39 116 iPc 15 27.50 -0.2
(S) 15 55.30
PCH 2.39 108 iPc 15 27.80 0 0
iS 15 55.90
CACH 2.51 119 iPc 15 30.10 0.6
iS 16 01.20
FCH 2.51 100 iPc 15 29.50 -0.2
iS 15 59.30
RTCB 4.03 70 iPc 15 50.50 -0.5
S 16 38.00
ZON 4.10 72 eP 15 53.00 0.9
eS 16 40.00
ZOBO 17.19 17 P 18 50.00 -0.1
S.D. = 0.5 on 11 of 11 obs.

? JUN 12, 1992 14h 31m 48.64± 2.03s
16.601 S ±27.6km 177.601 W ±20.7km
DEPTH = 80.7 ± 15.4 km
4.4mb (9 obs.)
FIJI ISLANDS REGION (181)

MBU 3.54 263 iPd 32 42.20 -0.3
VUN 4.01 249 eP 32 49.80 0.8
SVA 4.05 248 eP 32 48.60 -1.0
DZM 16.01 248 iPc 35 31.30 0.9
RMQ 32.72 247 eP 38 16.40 0.7
CTA 34.44 259 iPc 38 33.60 2.9X
1.0s 75.50nm 5.6mb X
iS 44 09.00
STK 39.94 240 eP 39 16.00 -0.7
1.5s 2.80nm 3.9mb
WB2 45.63 258 iPd 40 02.60 -0.4
0.8s 3.80nm 4.3mb
WRA 45.64 258 P 40 03.00 -0.1
1.4s 3.10nm 4.0mb
ASPA 45.90 253 iPc 40 04.70 -0.4
1.1s 32.40nm 5.1mb
Z 23s 1.60um 4.9MszX
PEC 76.36 48 (P) 43 31.23 0.3
ORV 76.51 41 eP 43 32.96 1.4
SLKM 79.95 13 eP 43 50.36 0.3
TTA 81.06 10 ePc 43 55.24 -0.6
1.2s 10.95nm 4.6mb
PNT 83.23 34 eP 44 07.00 -0.3
BJI 83.41 315 eP 44 13.50 5.1X
SRU 83.56 46 eP 44 09.86 0.4
DAU 83.66 45 (P) 44 11.14 1.0
IMA 84.36 10 eP 44 13.38 0.6
1.8s 19.95nm 4.8mb
FBA 84.37 12 eP 44 10.63 -2.1
0.7s 19.59nm 5.2mb
LRM 85.48 40 eP 44 18.40 -0.6
BW06 85.88 43 (P) 44 20.79 -0.3
1.3s 3.55nm 4.2mb
CHTO 89.28 290 (P) 44 39.20 1.6
YKA 92.83 24 eP 44 52.50 -0.5
1.1s 1.00nm 4.1mb
KSP 144.07 345 ePKP 51 15.50 -0.9
CLL 144.35 349 ePKP 51 16.00 -0.8
SPC 144.40 340 ePKP 51 27.80 10.5X
BRG 144.58 347 ePKP 51 20.40 3.1X
e 51 30.00
e 51 43.30
e 51 51.50
MLR 145.10 331 ePKP 51 20.00 1.5
ZST 146.26 342 iPKP 51 32.00 11.8X
KHC 146.30 347 ePKP 51 22.50 2.2
1.2s 6.50nm
e 51 30.00
GEC2 146.54 346 PKP 51 19.50 -1.3
1.0s 2.37nm
FLN 147.84 4 ePKP 51 25.70 3.0X
1.4s 44.85nm
Z 23s 0.10um 4.5MszX
CDF 148.02 354 ePKP 51 27.20 4.1X
1.1s 11.00nm
LDF 148.03 3 ePKP 51 26.40 3.4X
1.4s 36.15nm
GRR 148.19 4 ePKP 51 27.20 4.0X
1.1s 24.40nm
LPF 148.53 4 ePKP 51 28.00 4.2X
1.3s 37.55nm
LOR 149.40 358 ePKP 51 30.60 5.4X
1.3s 22.00nm
Z 23s 0.15um 4.7MszX
SSF 149.61 359 ePKP 51 31.20 5.7X
1.0s 19.00nm
LBF 149.68 358 ePKP 51 31.10 5.4X
1.0s 9.60nm
AVF 149.89 359 ePKP 51 31.40 5.5X
1.3s 13.00nm
MFF 150.01 4 ePKP 51 31.70 5.6X
1.3s 32.15nm
SMF 150.02 358 ePKP 51 31.80 5.6X
1.1s 10.00nm
BGF 150.13 359 ePKP 51 32.30 6.0X
TCF 150.40 0 ePKP 51 32.80 6.0X
1.1s 9.50nm
LSF 150.43 1 ePKP 51 32.50 5.7X
1.3s 24.90nm
MAF 150.47 360 ePKP 51 33.10 6.2X
1.3s 30.35nm
LPL 150.94 354 ePKP 51 35.20 7.3X
1.1s 8.80nm
LPG 150.96 354 ePKP 51 35.30 7.3X
1.2s 12.20nm
LFF 151.72 2 ePKP 51 35.80 7.1X
1.3s 22.00nm
BCAO 160.08 234 iPKPc 51 39.10 -1.3
1.6s 26.00nm
id 52 25.00
S.D. = 1.1 on 28 of 51 obs.

% JUN 12, 1992 15h 29m 06.93± 1.66s
11.592 N ± 6.3km 62.041 W ±20.0km
DEPTH = 33.0km (normol)
WINDWARD ISLANDS (95)
MD 3.4 (TRN).

GRW 0.68 33 eP 29 19.73 -0.4
eS 29 32.74
TCE 0.93 162 eP 29 23.15 -0.5
eS 29 37.23
TRN 1.13 146 eP 29 25.41 -1.0
eS 29 41.59
PIG 1.25 110 eP 29 28.16 0.0
eS 29 44.36
BOT 1.36 108 eP 29 29.81 0.0
eS 29 46.50
TPP 1.39 155 eP 29 31.24 1.0
eS 29 48.43
TBH 1.46 139 eP 29 31.85 0.6
eS 29 49.91
SVB 1.84 25 eP 29 37.09 0.3
eS 29 58.70
S.D. = 0.8 on 8 of 8 obs.

JUN 12, 1992 15h 54m 10.19± 1.09s
43.396 N ± 6.7km 5.427 E ± 8.4km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.9 (STR).

GELF 0.01 179 Pg 54 11.55 -0.6
BERF 0.21 113 Pg 54 14.78 0.0
TREF 0.23 352 Pg 54 14.41 -0.7
PUYF 0.24 56 Pg 54 14.48 -0.9
CDR 0.37 41 iPg 54 15.80 -2.0
i 54 20.70
PRAF 0.45 335 Pg 54 19.28 -0.1
VILF 0.50 25 Pg 54 19.74 -0.6
TAVF 0.51 64 Pg 54 19.95 -0.6
CALN 1.12 71 Pg 54 31.78 0.5
REVF 1.45 76 Pn 54 36.55 0.0
TOUF 1.46 64 Pn 54 36.89 0.2
Sg 54 58.37
AURF 1.46 70 Pn 54 36.66 -0.1
Sg 54 57.39
AUTN 1.57 67 Pn 54 38.61 0.2
BNI 1.88 28 P 54 45.60 2.8
eSn 55 10.10
CKI 2.30 63 P 54 51.50 2.7
eSn 55 21.00
PGF 2.76 107 Pn 54 54.29 -1.0
S.D. = 1.3 on 16 of 16 obs.

JUN 12, 1992 16h 15m 45.20± 0.50s
30.465 N ± 7.7km 141.871 E ± 8.9km
DEPTH = 33.0km (normol)
4.5mb (12 obs.) 4.0Msz (1 obs.)
SOUTH OF HONSHU, JAPAN (211)

MDJ 17.13 329 eP 19 44.50 1.0
1.0s 11.00nm 3.9mb
CN2 18.63 320 eP 20 01.40 -0.6
1.2s 12.00nm 4.0mb
NJ2 19.74 281 eP 20 16.50 1.4
BJI 22.99 302 eP 20 48.00 0.1
Z 16s 0.29um 3.8MszX
TIY 25.36 294 eP 21 11.90 1.0
Z 20s 0.50um 4.0Msz
HHC 26.60 301 P 21 22.70 0.3
BTO 27.69 300 eP 21 32.80 0.5
XAN 28.03 286 eP 21 34.60 -0.8
sP 21 47.00
LZH 32.14 290 eP 22 22.00 10.0X
2.0s 35.00nm 4.9mb
GTA 35.35 296 eP 22 38.70 -1.0
1.0s 5.00nm 4.4mb
sP 22 51.00
CHG 40.49 264 eP 23 23.90 1.2
MTN 44.28 195 iPd 23 54.10 0.5
WMQ 44.45 303 P 23 55.80 0.9
1.5s 10.00nm 4.4mb
pP 24 07.30 41kmX
GUN 48.53 282 P 24 27.00 -0.6
PKI 49.03 281 P 24 31.00 -0.4
KKN 49.07 282 P 24 30.50 -1.1
DMN 49.27 282 P 24 32.60 -0.6
GKN 49.55 282 P 24 32.80 -2.4
WB2 50.64 189 iPc 24 43.10 -0.2
0.5s 15.70nm 5.3mb
WRA 50.64 189 P 24 43.80 0.5
0.6s 10.40nm 5.0mb
ASPA 54.36 189 iPc 25 10.90 -0.2
0.6s 7.50nm 4.9mb
YKA 69.33 29 eP 26 49.50 -1.5
0.6s 0.50nm 3.8mb
KAF 74.33 334 eP 27 21.10 0.2
0.5s 2.90nm 4.5mb
NUR 75.94 333 eP 27 30.60 0.6
0.6s 3.10nm 4.5mb
LRM 78.61 43 eP 27 45.80 0.3
NB2 80.39 338 P 27 54.80 0.3
0.8s 2.40nm 4.2mb
PV10 84.84 48 eP 28 18.80 0.6
S.D. = 0.9 on 26 of 27 obs.

% JUN 12, 1992 17h 00m 51.02± 0.89s
32.449 S ±14.7km 70.237 W ±14.4km
DEPTH = 110.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.4 (SAN).

JACH 0.38 232 iPc 01 07.70 0.2
iS 01 20.00
PEL 0.79 208 iPc 01 10.50 0.0
iS 01 24.70
ROCH 0.84 231 iP 01 11.40 0.3
iS 01 25.90
FCH 0.88 183 iPc 01 11.80 0.2
iS 01 27.30
PCH 1.19 191 iPc 01 14.90 0.2
iS 01 32.60
TACH 1.34 206 iPc 01 16.10 -0.2
iS 01 35.30
CHCH 1.52 193 iPd 01 18.70 0.2
iS 01 39.30
LNV 1.80 213 iPc 01 21.10 -0.7
(S) 01 43.50
CFA 1.89 64 ePd 01 23.00 -0.2
S 01 47.00
S.D. = 0.4 on 9 of 9 obs.

JUN 12, 1992 17h 23m 23.81± 0.37s
36.041 N ± 7.3km 71.397 E ± 5.6km
DEPTH = 33.0km (normal)
4.2mb (5 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.(717)

QUE 6.93 214 eP 25 06.00 0.2
eS 26 20.00
NDI 8.83 145 eP 25 36.50 4.3X
MAIO 9.63 275 eP 25 43.00 -0.2
eS 27 22.00
GKN 13.79 122 P 26 39.60 0.2
DMN 14.36 122 P 26 47.00 0.1
KKN 14.37 121 P 26 46.80 -0.2
PKI 14.59 121 P 26 49.70 -0.3
GUN 14.71 119 P 26 51.70 0.1
KAF 38.19 327 eP 30 41.90 0.3
0.6s 2.00nm 4.1mb
NUR 38.39 325 iP 30 43.90 0.6
0.4s 3.90nm 4.6mb
HFS 43.63 322 eP 31 26.00 -0.4
0.4s 2.00nm 4.2mb
NB2 44.94 323 P 31 36.70 -0.4
0.5s 1.50nm 4.1mb
YKA 81.69 3 eP 35 39.90 0.2
0.5s 0.60nm 3.9mb
S.D. = 0.3 on 12 of 13 obs.

JUN 12, 1992 18h 11m 05.52± 0.18s
2.132 S ± 3.6km 101.705 E ± 4.9km
DEPTH = 140.8km (21 depth phases)
5.1mb (68 obs.)
SOUTHERN SUMATERA, INDONESIA (274)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 32C
Centroid Location:
Origin Time 18:11:11.0 0.6
Lat 2.15S 0.06 Lon 101.87E 0.07
Dep 148.7 2.0 Half-duration 1.7
Moment Tensor; Scale 10**16 Nm
Mrr= 2.77 0.53 Mtt=-7.76 0.60
Mff= 4.99 0.86 Mrt= 2.34 0.40
Mrf= 5.75 0.70 Mtf=-3.76 0.64
Principal Axes:
T Val= 9.86 Plg=38 Azm=264
N 0.19 47 48
P -10.05 19 159
Best Double Couple:Mo=1.0*10**16
NP1:Strike=295 Dip=49 Slip= 164
NP2: 35 78 42

KGM 4.42 21 iPd 12 15.10 3.1
i 12 29.90
i 13 01.50
KLM 5.20 359 ePd 12 24.40 2.0
0.8s 1351.30nm 6.2mb X
IPM 6.70 354 ePd 12 44.10 1.3
0.5s 201.70nm 5.8mb
e 13 13.60
SNG 9.31 353 eP 13 17.90 0.2
e 13 41.60
KKM 16.61 61 ePd 14 55.30 3.6X
KHT 17.09 350 eP 14 55.50 -1.9
TSM 17.37 68 ePc 15 03.00 2.1
NST 17.76 355 eP 15 05.00 -0.5
LOE 19.41 0 eP 15 22.00 -1.3
BDT 19.44 352 eP 15 21.00 -2.5
0.8s 77.90nm 5.1mb
CHG 20.99 353 ePc 15 38.90 -0.4
1.0s 29.50nm 4.7mb
e 16 09.00
OIZ 22.50 20 eP 15 57.00 3.0
NANU 24.34 148 iPd 16 12.30 0.5
0.5s 36.00nm 5.1mb
CGP 25.22 65 eP 16 25.00 5.0X
MBL 25.88 138 iPd 16 25.40 -0.6
0.9s 228.00nm 5.8mb
KOD 27.08 297 eP 16 39.00 1.7
eS 21 52.00
KMI 27.11 2 Pd 16 38.50 1.0
1.6s 60.00nm 5.0mb
SHL 29.13 342 iPd 16 53.60 -2.0
eS 21 32.00
KNA 29.90 119 eP 16 58.60 -3.6X
HYB 29.98 311 eP 17 04.00 1.1
MRWA 30.18 155 eP 17 04.50 0.0
0.4s 3.00nm 4.4mb
MTN 31.01 112 eP 17 08.00 -4.0X
BAL 31.69 155 iPd 17 17.60 -0.1
1.0s 66.00nm 5.4mb
MUN 32.68 157 iPd 17 27.00 0.6
1.0s 80.00nm 5.4mb
CD2 32.92 3 eP 17 27.20 -1.3
eS 22 32.50
KLB 32.99 154 eP 17 29.00 -0.1
0.4s 6.00nm 4.7mb
PKI 33.44 333 Pd 17 31.40 -2.0
GUN 33.52 334 Pd 17 32.60 -1.6
DMN 33.61 333 Pd 17 33.20 -1.6
KKN 33.69 333 Pd 17 33.60 -1.8
NWAO 33.93 156 eP 17 37.00 -0.1
1.0s 30.00nm 5.0mb
Z 20s 0.50um 4.2Msz
COOL 34.00 149 iPd 17 37.30 -0.5
0.4s 14.00nm 5.1mb
GKN 34.16 332 Pd 17 37.90 -1.5
POO 34.25 308 iPd 17 42.40 2.3
WHN 34.66 19 eP 17 45.50 2.1
S 23 00.00
WB2 36.48 121 eP 17 55.80 -3.1X
0.4s 66.80nm 5.8mb
iS 23 20.70
ASPA 37.80 127 iPc 18 06.20 -3.8X
0.5s 176.20nm 6.1mb
Z 20s 1.00um 4.6Msz
i 18 09.00 10kmX
iS 23 42.70
iScS 28 02.10
FORT 37.86 142 iPd 18 10.30 0.0
SSE 37.89 28 eP 18 15.50 5.0X
0.8s 6.00nm 4.4mb
Z 20s 0.40um 4.2Msz
sS 24 50.00
LZH 38.07 3 Pd 18 12.50 0.3
1.5s 57.00nm 5.1mb
Z 15s 0.34um 4.3MszX
pP 18 45.50 150km
PP 19 44.50
PcP 20 25.00
S 23 53.00
sS 24 50.00
eSS 26 40.00
ScS 28 05.50
NDI 38.61 324 iPc 18 17.00 0.4
0.5s 147.89nm 6.0mb
TIY 40.87 13 eP 18 36.00 0.8
Z 20s 0.75um 4.5Msz
E 15s 0.44um
pP 19 08.20 145km
S 24 37.50
sS 25 31.00
OIS 41.25 119 iPc 18 36.00 -2.5
0.5s 17.00nm 5.0mb
GTA 41.38 358 P 18 39.50 0.1
1.8s 41.00nm 4.8mb
Z 20s 0.40um 4.3Msz
ScS 28 23.50
BTO 43.20 9 eP 18 53.50 -0.7
N 12s 0.14um
E 12s 0.22um
eS 25 11.00
HHC 43.71 11 P 19 00.00 1.7
1.4s 45.00nm 4.9mb
BJI 44.01 16 eP 19 02.00 1.4
1.0s 18.00nm 4.7mb
CTA 47.00 116 iPc 19 24.40 -0.2
0.6s 57.33nm 5.4mb
ipP 19 56.50 141km
iScP 24 37.20
eS 26 52.30
ADE 47.43 138 iPd 19 28.00 0.2
0.8s 358.21nm 6.1mb
OLP 47.48 125 eP 19 27.00 -1.2
KSH 47.65 333 eP 19 30.60 1.1
S 26 14.00
STK 47.80 133 iPd 19 29.90 -0.7
0.6s 94.20nm 5.7mb
i 20 01.90 140km
SNY 48.04 22 Pc 19 32.80 0.5
PRZ 49.15 337 iPc 19 42.00 0.9
1.4s 80.00nm 5.3mb
eS 26 36.00
GAR 50.09 328 eP 19 46.00 -2.2
CN2 50.44 22 Pc 19 50.30 -0.4
1.0s 20.00nm 4.9mb
eS 26 48.00
CMS 50.80 130 iPd 19 52.80 -0.8
0.7s 37.00nm 5.3mb
FRU 50.99 334 eP 19 55.00 0.1
i 20 28.00 143km
e 21 12.00
e 22 00.00
RMQ 51.20 123 eP 19 56.00 -0.7
ZAK 52.33 1 eP 20 05.40 0.7
1.6s 14.00nm 4.5mb
MDJ 52.77 25 eP 20 08.00 -0.1
TOO 53.44 137 eP 20 13.50 0.3
1.2s 138.00nm 5.7mb

12d 18h

```
MOY     53.62 359 eP     20 14.00  -0.1
IRK     54.25   2 ePc    20 19.20   0.4
        1.6s    19.00nm          4.7mb
MAIO    54.82 318 iPc    20 22.00  -1.4
                  e      20 54.00 136km
                  i      21 09.00
ARMA    54.94 126 iPc    20 24.80   0.4
        0.9s    56.00nm          5.4mb
                  i      20 57.00 137km
CNB     55.13 133 iPd    20 25.00  -0.6
        0.9s    22.00nm          5.0mb
SEM     55.48 343 iPd    20 26.70  -1.0
        0.6s    45.00nm          5.6mb
                  epP    20 58.40 135km
                  e      21 20.40
                  eS     27 57.50
                  e      28 09.00
                  i      29 56.80
ASH     56.51 319 eP     20 33.00  -2.3
SHI     56.60 308 eP     20 36.00  -0.3
BOD     60.63   8 eP     21 02.70  -0.7
        0.8s    11.00nm          4.9mb
YSS     60.72  31 iPd    21 04.00  -0.3
                  e      21 38.60 145km
                  i      21 53.00
AAE     63.69 281 eP     21 26.50   1.6
NAI     64.87 270 P      21 34.50   1.9
        1.0s   457.00nm        6.4mb X
GRS     65.42 316 iPc    21 34.00  -1.5
        1.0s    60.00nm          5.5mb
                  eS     30 04.00
ERE     66.99 316 iP     21 45.00  -0.4
                  eS     30 28.00
YAK     67.45  14 eP     21 46.00  -1.7
        1.0s    30.00nm          5.1mb
     Z  18s      0.40um          4.7Msz
                  e      22 21.00 144km
                  i      22 35.00
                  e      30 29.00
SVE     67.45 337 iPc    21 47.00  -0.8
        1.0s   100.00nm          5.6mb
                  e      22 19.20 132km
GRO     67.53 319 iPc    21 48.50  -0.1
        1.0s   110.00nm          5.7mb
                  i      22 37.00 206kmX
                  eS     30 32.00
ARU     67.98 336 ePc    21 50.00  -1.1
        1.0s    50.00nm          5.3mb
                  e      22 26.00 149km
                  eS     30 36.00
                  e      31 33.00
MAW     70.58 195 iPd    22 08.60   1.7
        1.0s    13.00nm          4.7mb
MBH     71.11 302 iPc    22 11.30   0.4
JVI     71.26 305 iPc    22 12.00   0.3
ADI     71.65 306 eP     22 14.80   0.8
NRI     71.99 355 (P)    22 13.00  -2.2
        0.9s    14.00nm          4.7mb
                  e      22 31.00  66kmX
                  i      23 02.00
KRI     72.25 253 iPc    22 18.70   0.8
MGD     72.79  23 eP     22 19.50  -0.6
                  e      22 33.00  47kmX
                  e      22 55.00
                  e      23 07.00
BUL     73.40 250 iPd    22 24.20  -0.3
        1.0s    63.00nm          5.3mb
                  i      23 00.00 145km
LSZ     73.54 255 iPd    22 26.10   0.7
CSS     73.66 307 eP     22 25.60   0.0
SLR     74.15 244 iPc    22 28.50  -0.3
        0.9s    42.02nm          5.2mb
SEK     74.98 241 iPc    22 34.10   0.5
        0.7s    27.40nm          5.1mb
KAS     75.04 314 eP     22 33.00  -0.5
KSR     75.41 244 iPc    22 37.00   0.9
        0.6s    15.36nm          4.9mb
BLF     76.32 241 eP     22 41.30   0.2
        0.7s    10.00nm          4.7mb
FRS     77.12 240 eP     22 45.60   0.3
        1.0s    30.00nm          5.0mb
MOS     77.49 329 iP     22 46.00  -0.8
        1.8s   120.00nm          5.3mb
                  e      23 21.00 140km
                  e      23 35.00
                  e      32 22.00
OBN     77.79 328 iPc    22 48.20  -0.2
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        1.0s    70.00nm          5.4mb
                  e      22 53.00  15kmX
                  e      23 23.00
                  esP    23 37.00
                  iS     32 25.00
                  ePS    33 06 00
IZM     79.18 310 iP     22 55.70  -0.8
VRI     81.11 317 ePc    23 06.00  -0.5
MLR     81.57 316 ePc    23 09.00   0.0
PUL     82.56 331 ePc    23 14.00   0.4
        1.1s   150.00nm          5 7mb
                  e      23 50.00 143km
                  e      24 03.00
                  (S)    33 16.00
                  e      33 22 00
VAY     83.25 312 P      23 17.00  -0.6
BCAO    83.36 275 iPc    23 19.00   0.2
        0.7s    48.00nm          5.5mb
APA     83.84 339 iP     23 20.30   0.3
UZH     84.59 319 eP     23 24.00  -0.2
        1.0s    50.00nm          5.3mb
                  e      24 12.50 197kmX
KAF     85.08 333 iP     23 26.80   0.5
        0.6s    22.50nm          5.2mb
NUR     85.49 331 iP     23 28.60   0.2
        0.7s    17.10nm          5.0mb
SPC     86.02 319 iP     23 31.70   0.2
                  e      24 19.70 195kmX
                  e      27 40.30
OJC     86.44 320 eP     23 34.00   0.7
                  e      24 10.30 143km
KEV     86.72 340 iP     23 34.00  -0.3
        0.8s    19.10nm          5.1mb
SRO     87.12 318 iP     23 37.40   0.8
                  i      24 12.30 136km
                  e      24 27.10
ZST     87.97 318 iP     23 41.40   0.7
                  e      24 16.70 138km
                  e      24 31.20
KSP     88.73 321 iP     23 45.00   0.7
                  i      23 52.70  24kmX
                  i      24 20.40
                  i      24 36.10
UPP     88.85 330 iP     23 44.50  -0.1
VBY     89.01 315 eP     23 46.00   0.3
                  ePP    24 22.90
LJU     89.55 316 eP     23 49.50   1.2
                  ePP    24 24.00
CEY     89.61 316 e(P)   23 49.00   0.4
VOY     90.00 316 eP     23 50.50   0.1
                  ePP    24 27.10
BRG     90.22 321 iPc    23 52.00   0.8
        1.6s    42.00nm          5.3mb
                  i      24 27.30 137km
                  i      24 42.40
                  e      25 02.40
GEC2    90.27 319 P      23 49.90  -1.7
        0.8s     6.89nm          4.8mb
KHC     90.37 319 P      23 52.50   0.5
        1.3s     8.50nm          4.7mb
                  e      24 29.00 142km
                  e      24 43.00
KBA     90.43 317 e(P)   23 49.50  -3.0X
                  e      24 22.00 125kmX
BHG     90.77 318 eP     23 53.80   0.0
WET     90.83 319 eP     23 54.80   0.7
CLL     90.83 321 iPKP   23 54.00   0.0
        1.4s    18.00nm          5.0mb
                  e      24 29.00 136km
HFS     90.84 330 eP     23 53.90   0.1
        0.8s    22.60nm          5.4mb
GRF     91.92 319 iPc    24 00.20   1.1
        1.4s    27.00nm          5.2mb
OGA     92.01 317 eP     24 00.40   0.6
NB2     92.09 331 P      23 59.60  -0.1
        0.8s     7.10nm          4.9mb
OSS     92.61 316 ePc    24 03.30   0.7
CDF     94.53 318 eP     24 10.90  -0.3
        0.8s     2.95nm          4.6mb
LPG     94.99 315 eP     24 13.60  -0.1
        0.9s     4.90nm          4.9mb
LPL     95.00 315 eP     24 13.70   0.0
        0.9s     4.90nm          4.9mb
HAU     95.17 318 eP     24 13.80  -0.3
        0.6s     4.50nm          5.0mb
LBF     96.83 317 eP     24 21.50  -0.2
LOR     96.89 317 eP     24 21.70  -0.2
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        0.7s     4.20nm          5.0mb
SMF     96.95 317 eP     24 21.90  -0.3
        0.8s     6.70nm          5.1mb
YKA    113.99  18 ePKP   29 38.70   9.6X
        0.8s     0.50nm
PPD    144.34 226 iPKPc  30 26.70  -0.6
UYO    144.74  24 iPKPd  30 26.30  -1.3
CFA    145.11 195 ePKPc  30 27.90  -0.5
RTCB   145.37 194 iPKPd  30 27.00  -1.9
RTPR   145.84 198 iPKPc  30 30.40   0.8
SIV    155.22 223 (PKP)  30 53.00   9.1X
                  i      31 01.40
CNCB   158.60 208 PKP    30 50.00   1.2
LPB    158.90 208 PKP    30 51.20   2.2
ZOBO   159.12 208 PKP    30 50.00   0.5
                  i      31 28.70
     S.D. = 1.1  on 138 of 148 obs.
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?  JUN 12, 1992  18h 11m 49.10± 2.29s
   16.122 S ±38.4km  168.693 E ±70.4km
   DEPTH = 167.1 ± 22.2 km
 VANUATU ISLANDS                  (186)

BKM      1.60 196 iPc    12 21.80   0.5
                  iS     12 49.50
DZM      6.29 199 iPc    13 20.00  -0.7
                  iS     14 35.10
YKA     98.15  27 eP     25 06.60  -0.9
        0.9s     0.40nm          3.9mb
KAF    126.98 339 iPKP   30 32.00  -2.2
        0.5s     1.90nm
NUR    128.67 338 iPKP   30 36.00  -1.4
        0.5s     3.80nm
HFS    132.45 343 ePKP   30 43.40  -1.2
        0.5s     0.70nm
GEC2   141.50 333 PKP    31 00.70  -1.3
        0.6s     0.65nm
ITR    143.51 131 ePKP   31 06.20  -0.1
                  eSKP   33 37.90
CDF    144.37 339 iPKPc  31 03.00  -3.9X
        0.8s     2.70nm
HAU    145.04 339 iPKPc  31 05.20  -2.8
        0.7s     7.30nm
FLN    146.26 347 iPKPc  31 09.20  -0.7
        0.8s    19.35nm
LDF    146.34 347 iPKPc  31 09.40  -0.7
        0.7s     9.50nm
LOR    146.50 341 iPKPc  31 10.20  -0.2
        0.9s     9.65nm
GRR    146.70 347 iPKPc  31 10.90   0.3
        0.9s    19.15nm
LBF    146.71 341 ePKP   31 11.20   0.4
        0.7s     9.50nm
SSF    146.79 341 iPKPc  31 11.30   0.5
        0.6s    12.80nm
LPL    147.01 336 iPKPc  31 12.20   0.6
        0.7s     5.75nm
LPG    147.02 336 iPKPc  31 12.30   0.6
        0.7s     7.30nm
SMF    147.06 341 ePKP   31 11.90   0.6
        0.7s     7.95nm
LPF    147.07 347 iPKPc  31 12.10   0.9
        0.7s    13.25nm
AVF    147.08 341 ePKP   31 11.70   0.4
        0.6s     4.25nm
BGF    147.44 342 iPKPc  31 13.00   1.1
        0.6s    10.80nm
MAF    147.83 342 iPKPc  31 14.20   1.6
        0.6s     4.80nm
TCF    147.88 342 iPKPc  31 14.30   1.7
        0.8s     7.40nm
LSF    148.11 343 iPKPc  31 14.70   1.7
        0.6s    11.25nm
MFF    148.22 345 iPKPc  31 15.20   2.1X
        0.7s    12.90nm
BCAO   148.48 252 iPKPd  31 15.10   0.6
        1.0s    25.00nm
RJF    148.97 342 ePKP   31 17.20   2.8X
        0.8s     4.15nm
CAF    149.15 341 ePKP   31 18.00   3.3X
        0.6s     2.25nm
LFF    149.53 343 ePKP   31 18.70   3.5X
        0.6s     5.75nm
LPO    149.63 342 ePKP   31 19.10   3.7X
        0.8s     7.40nm
EPF    151.39 342 iPKPc  31 24.30   6.1X
        0.9s     5.90nm
```

S.D. = 1.2 on 25 of 32 obs.

• JUN 12, 1992 18h 22m 09.02± 0.87s
11.814 S ±11.3km 165.830 E ±17.8km
DEPTH = 13.0km (2 depth phases)
4.9mb (7 obs.) 4.6Msz (1 obs.)
SANTA CRUZ ISLANDS (184)

HNR 6.25 292 eP 23 43.00 -0.1
eS 24 46.00
BKM 6.27 158 iPd 23 55.00 11.5X
iS 25 24.00
DZM 10.22 177 iPd 24 37.10 -1.4
iS 26 32.20
RMO 21.71 225 iPd 27 03.00 1.1
ARMA 22.72 213 iPc 27 13.80 1.8
0.9s 65.00nm 5.1mb
i 27 18.20
CMS 26.91 220 eP 27 53.00 1.2
0.8s 20.00nm 4.8mb
STK 29.95 224 eP 28 18.70 -0.6
WB2 31.29 251 eP 28 30.00 -1.2
0.5s 5.10nm 4.7mb
ASPA 32.53 244 eP 28 40.80 -1.3
0.9s 9.50nm 4.7mb
IPM 66.46 280 ePd 33 06.00 5.1X
BJI 69.13 321 eP 33 16.50 -0.6
KMI 71.59 302 Pd 33 37.40 4.7X
1.5s 60.00nm 5.5mb
pP 33 48.00 34kmX
CHTO 72.61 294 eP 33 39.10 0.6
1.5s 15.20nm 4.9mb
pP 33 43.20 13km
LZH 75.33 312 eP 33 55.00 0.7
1.6s 35.00nm 5.2mb
Z 18s 0.25um 4.6Msz
pP 33 59.00 13km
i 34 06.50
GUN 86.76 299 PKP 34 56.80 1.8
PKI 87.08 299 PKP 34 56.50 0.0
KKN 87.24 299 PKP 34 58.00 0.8
DMN 87.35 299 PKP 34 56.60 -1.1
GKN 87.85 299 PKP 34 57.60 -2.4
KAF 121.99 339 ePKP 41 03.50 -0.8
NUR 123.66 338 ePKP 41 10.20 2.6
0.3s 2.60nm
NB2 127.46 345 PKP 41 16.30 1.3
0.7s 0.80nm
GEC2 136.43 333 PKP 41 29.90 -2.6
1.0s 1.11nm
BCAO 146.83 260 iPKPd 41 52.30 0.5
0.2s 36.00nm
ic 42 07.00
TOL 150.64 344 ePKP 42 06.00 9.0X
S.D. = 1.5 on 21 of 25 obs.

JUN 12, 1992 19h 16m 43.99± 0.19s
34.159 N ± 2.3km 8.333 E ± 1.9km
DEPTH = 10.0km (geophysicist)
5.3mb (67 obs.) 4.8Msz (15 obs.)
TUNISIA (397)
Felt in the Al Qattar-Mdhilla area.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 30C
Centroid Location:
Origin Time 19:16:48.3 0.5
Lat 34.21N 0.06 Lon 8.44E 0.09
Dep 15.0 FIX Half-duration 1.5
Moment Tensor; Scale 10**16 Nm
Mrr= 5.77 0.32 Mtt=-5.61 0.47
Mff=-0.16 0.50 Mrt=-1.63 1.57
Mrf=-2.32 1.13 Mtf=-2.93 0.27
Principal Axes:
T Val= 6.60 Plg=72 Azm=101
N 0.74 14 242
P -7.34 11 335
Best Double Couple:Mo=7.0*10**16
NP1:Strike= 82 Dip=36 Slip= 114
NP2: 233 57 73

LPD 3.76 68 ePd 17 42.50 -0.7
LVI 5.01 39 P 18 00.20 -0.7
CVT 5.04 45 P 18 01.65 0.3
ABA 5.06 303 iP 18 02.00 0.3
ERC 5.18 40 P 18 02.75 -0.7
FAI 5.34 53 P 18 06.80 1.1
USI 5.99 39 P 18 14.70 0.0
GIB 5.99 49 P 18 15.90 1.0
PZI 6.08 60 P 18 15.27 -0.9
MEU 6.12 59 P 18 15.35 -1.4
MNO 6.38 52 P 18 21.30 0.7
ATN 7.01 53 P 18 30.00 0.8
ESEL 7.09 324 iPnc 18 30.51 0.2
eSn 19 52.30
SOI 7.37 56 P 18 33.90 -0.3
CZI 8.05 49 P 18 44.00 0.4
ACU 8.28 304 iPnc 18 46.79 -0.3
eSn 20 21.80
MGR 8.30 42 P 18 46.40 -0.8
RDP 8.34 23 P 18 48.50 0.7
PGF 8.39 3 Pn 18 49.20 0.6
Sn 20 09.00
RFI 8.42 30 P 18 48.93 0.1
TDS 8.44 47 P 18 50.30 1.1
SGO 8.46 39 P 18 48.90 -0.5
CSI 8.48 46 P 18 50.30 0.5
ROI 8.53 48 P 18 53.50 3.1X
MAO 8.54 14 P 18 51.00 0.5
SDI 8.69 28 P 18 52.50 -0.2
EALH 8.72 298 iPnd 18 52.86 -0.2
eSn 20 33.80
ORI 8.76 45 P 18 53.90 0.3
MNS 8.89 21 P 18 56.50 1.0
DUI 8.91 31 P 18 57.20 1.4
AQU 9.10 24 P 18 59.40 1.1
EBR 9.11 319 ePn 19 00.00 1.6
EROO 9.16 319 iPnd 18 59.26 0.2
eSn 20 42.20
ETER 9.20 334 ePn 18 57.67 -2.0
eSn 20 41.50
ECHE 9.21 309 ePn 19 00.11 0.2
eSn 20 44.70
LMR 9.27 352 Pn 18 58.40 -2.2
Sn 20 25.00
PERF 9.35 334 P 18 59.16 -2.6
EMEL 9.36 280 iPnc 19 01.13 -0.8
eSn 20 48.30
BERF 9.37 348 P 18 59.76 -2.3
LRG 9.41 351 Pn 19 00.50 -2.0
Sn 20 28.00
FRF 9.48 353 Pn 19 01.00 -2.5
Sn 20 31.80
GELF 9.49 347 P 19 01.33 -2.3
ASS 9.52 20 P 19 05.30 1.2
EHUE 9.57 296 ePn 19 04.79 -0.2
eSn 20 54.50
PUYF 9.58 348 P 19 03.36 -1.6
TAVF 9.61 350 P 19 04.17 -1.2
PII 9.70 9 P 19 07.00 0.5
CDR 9.71 349 e(Pn)c19 04.10 -2.6
e(Sn) 20 42.60
e 20 48.00
SBF 9.72 356 Pn 19 04.30 -2.5
Sn 20 37.90
BRT 9.72 44 P 19 06.00 -0.9
TREF 9.73 347 P 19 05.53 -1.4
IMI 9.74 358 P 19 04.75 -2.5
EVIA 9.81 300 iPnc 19 07.81 -0.4
eSn 21 00.00
CRE 9.87 16 P 19 10.50 1.6
FIR 9.87 12 ePn 19 11.00 2.1
i(Sn) 20 28.00
VILF 9.89 349 P 19 07.35 -1.9
PRAF 9.94 347 P 19 07.95 -2.0
ARV 9.99 20 P 19 13.80 3.2X
FIN 10.04 359 P 19 09.16 -2.1
BDI 10.04 9 P 19 12.20 0.8
PGD 10.05 14 P 19 13.43 1.8
EGUA 10.06 289 ePn 19 11.30 -0.3
eSn 21 06.10
ENR 10.08 356 P 19 10.19 -1.7
STV 10.10 356 P 19 10.19 -2.0
SFI 10.12 15 P 19 13.90 1.5
ROB 10.13 358 P 19 10.80 -1.7
ECOG 10.16 291 ePn 19 13.12 0.0
eSn 21 08.80
MME 10.19 10 P 19 15.05 1.5
SALF 10.25 329 P 19 13.66 -0.5
CKI 10.25 360 P 19 14.20 0.0
RSM 10.27 17 P 19 14.52 0.2
DOI 10.37 356 P 19 17.00 1.2
PCP 10.37 1 P 19 15.42 -0.4
SURF 10.38 354 P 19 14.57 -1.5
PZZ 10.38 355 P 19 14.60 -1.4
EBAN 10.58 296 iPnc 19 18.46 -0.2
eSn 21 18.30
BOB 10.63 4 P 19 21.20 1.8
ENSF 10.66 326 P 19 20.99 1.1
BHB 10.70 356 P 19 16.98 -3.3X
ELUO 10.77 292 ePn 19 21.38 0.0
eSn 21 23.30
RRL 10.81 354 P 19 21.57 -0.5
EPF 10.84 327 Pn 19 22.70 0.5
Sn 21 05.30
BNI 10.95 354 P 19 23.80 -0.1
HVAR 11.01 33 iP 19 26.70 2.2
RSP 11.01 356 P 19 23.00 -1.6
TPE 11.14 53 eP 19 24.80 -1.5
BTH 11.16 326 e(P)d 19 30.00 3.4X
eS 21 36.00
JAU 11.17 325 P 19 28.51 1.6
IFR 11.21 270 iPd 19 29.00 1.5
i 19 36.50
i 19 45.50
iS 21 41.00
i 23 06.00
GRN 11.25 351 P 19 27.52 -0.3
ESCF 11.30 325 P 19 29.68 1.2
OGE 11.32 325 P 19 30.44 1.7
LSD 11.32 356 P 19 27.72 -1.3
ATE 11.37 324 P 19 30.55 1.2
ISSF 11.37 324 P 19 30.83 1.3
NKM 11.37 280 iP 19 32.30 2.8X
i 21 33.00
i 21 41.00
i 23 10.00
i 23 32.00
LPG 11.39 354 Pn 19 30.50 0.5
EPRU 11.40 288 iPnc 19 30.18 0.3
eSn 21 37.90
LPL 11.41 354 Pn 19 30.80 0.6
ORO 11.46 359 P 19 31.50 0.8
LSK 11.47 55 eP 19 29.40 -1.4
MADF 11.47 324 P 19 32.11 1.3
EJIF 11.51 285 iPnc 19 31.24 -0.1
eSn 21 41.50
OJEN 11.52 284 iP 19 36.00 4.4X
BOH 11.53 323 P 19 33.16 1.4
SAL 11.56 8 P 19 34.60 2.7
ELYF 11.57 324 P 19 33.43 1.2
TIR 11.60 48 eP 19 33.00 0.4
ALJ 11.65 286 iP 19 35.00 1.7
LACI 11.68 47 eP 19 37.50 4.0X
VAI 11.70 2 P 19 36.50 2.7
PLAT 11.70 284 iP 19 35.00 1.0
LBL 11.73 342 P 19 32.64 -1.7
SDA 11.78 45 iPd 19 37.60 2.7
CAF 11.79 338 Pn 19 33.90 -1.2
Sn 21 28.40
BRY 11.83 39 iPc 19 36.85 1.1
GUD 11.85 307 iPnc 19 36.71 0.7
LPO 11.87 334 Pn 19 34.70 -1.5
MMK 11.88 359 eP 19 40.10 3.5X
TTG 11.90 43 iPc 19 37.93 1.3
DIX 11.93 357 eP 19 41.50 4.2X
TMA 11.94 2 eP 19 39.20 1.9
GIBL 11.95 287 eP 19 44.00 6.7X
EMS 11.95 355 eP 19 41.10 3.7X
CNIL 11.96 285 eP 19 38.00 0.5
ECRI 11.97 318 iPnd 19 38.64 1.0
NKY 12.01 41 iPc 19 39.68 1.5
OHR 12.07 51 eP 19 39.00 0.0
RIY 12.10 21 eP 19 38.10 -1.1
SFS 12.10 285 eP 19 38.00 -1.3
CTI 12.14 11 P 19 41.60 1.6
VVI 12.22 14 P 19 42.50 1.6
LFF 12.25 334 Pn 19 41.10 -0.2
TRI 12.26 18 e(Pn) 19 43.00 1.6
e(Sn) 22 26.30
i 24 14.00
PYM 12.27 342 P 19 40.00 -1.7
RJF 12.30 337 Pn 19 41.50 -0.5
PLDF 12.33 344 P 19 40.74 -1.8
VDL 12.34 4 eP 19 45.40 2.6
PVY 12.41 44 iPc 19 45.99 2.3
CEY 12.47 20 eP 19 43.80 -0.5
e(S) 22 29.50
VBY 12.51 23 eP 19 48.00 3.2X
AGO 12.52 343 P 19 43.18 -1.8

12d 19h

IVA	12.55	43	iPc	19 47.73	2.3
PLE	12.57	40	iPc	19 48.87	3.1X
OSS	12.59	6	eP	19 48 10	2.1
VOY	12.59	18	eP	19 45.70	-0.3
			i	19 56.80	
			e(S)	22 33.00	
EVAL	12.70	290	iPnc	19 47.98	0.6
LLS	12.71	2	eP	19 50.00	2.4
LJU	12.78	20	eP	19 47.70	-0.7
			eS	22 16.00	
MAF	12.82	342	Pn	19 48.70	-0.3
OGA	12.86	8	iPc	19 51.70	2.0
FVI	12.87	14	P	19 49.90	0.3
EPLA	12.92	301	iPn	19 50.75	0.4
SMF	12.93	346	Pn	19 50.70	0.3
SKO	12.93	49	iP	19 50.30	-0.2
	1.3s		184.00nm		6.1mb
Z	15s		4.20um		5.1Msz
			i	19 54.20	
			i	20 10.00	
			i	20 38.00	
			iS	22 12.00	
			i	24 55.00	
			LR	26 46.50	
TCF	12.98	341	Pn	19 50.70	-0.4
ZAG	13.03	24	e(P)	20 01.50	9.8X
BGF	13.07	343	Pn	19 51.30	-0.9
PTJ	13.09	24	e(P)	20 02.50	9.9X
AVE	13.14	271	iP	19 55.00	1.8
			i	22 38.00	
			i	23 18.50	
			i	24 22.00	
LSF	13.14	339	Pn	19 53.90	0.7
AVF	13.17	345	Pn	19 52.50	-1.1
LOMF	13.23	356	P	19 55.63	1.2
LBF	13.23	347	Pn	19 55.00	0.6
BBS	13.31	358	P	19 56.30	0.9
ZLA	13.31	0	eP	19 57.40	1.9
WTTA	13.33	10	iPc	19 57.40	1.6
	2.2s		173.00nm		5.7mb
			i	20 02.90	
VAY	13.33	53	iP	19 55.50	-0.3
	1.3s		161.00nm		5.9mb
			i	19 58.60	
SSF	13.40	346	Pn	19 57.10	0.5
KBA	13.45	15	iPc	19 57.50	0.0
	1.1s		128.00nm		5.8mb
			i	20 03.40	
			i	20 10.90	
LOR	13.52	347	Pn	19 58.10	-0.2
TIO	13.55	261	iP	20 07.50	8.7X
			iS	24 16.50	
SLE	13.60	0	eP	20 00.20	1.0
FEL	13.71	359	P	20 00.66	-0.1
BSF	13.71	356	Pn	20 00.70	-0.1
MOF	13.71	357	P	20 01.32	0.5
HAU	13.91	354	Pn	20 02.60	-0.8
LIBD	13.99	358	P	20 05.01	0.7
MFF	14.00	335	Pn	20 05.30	0.8
ECH	14.07	357	P	20 05.88	0.4
VITF	14.16	354	P	20 06.85	0.3
FUR	14.17	8	eP	20 05.90	-0.8
Z	14s		5.00um		
CDF	14.26	357	P	20 07.96	-0.1
UZD	14.65	29	e(P)	20 13.50	0.4
ERUA	14.66	309	ePn	20 14.94	1.8
GEC2	15.21	14	P	20 19.20	-1.2
	0.7s		13.21nm		4.4mb
BZS	15.30	38	eP	20 21.00	-0.5
VKA	15.31	21	eP	20 20.00	-1.6
Z	13s		4.20um		
			i	20 26.90	
			i	20 35.60	
			e	23 22.00	
			LR	28 15.00	
WET	15.35	11	iPd	20 21.10	-1.1
	1.5s		85.00nm		4.9mb
KHC	15.46	13	iPd	20 23.00	-0.6
	1.2s		40.00nm		4.6mb
			e	20 33.00	
			e	23 20.00	
ZST	15.48	22	eP	20 23.20	-0.7
LPF	15.54	336	Pn	20 24.10	-0.5
SRO	15.56	26	eP	20 25.00	0.1
GRF	15.67	7	iPnd	20 24.20	-2.1
Z	22s		2.40um		5.2Msz
			e	20 29.60	
LDF	15.74	339	Pn	20 28.00	0.8
GRR	15.79	337	Pn	20 29.00	1.2
STS	15.81	308	ePn	20 32.19	4.1X
IZM	15.84	69	eP	20 28.00	-0.6
FLN	16.00	338	Pn	20 31.20	0.7
DRA	16.15	45	ePc	20 45.00	12.5X
PSZ	16.25	29	eP	20 33.60	-0.3
MEM	16.53	355	iPc	20 37.63	0.4
COZ	16.58	43	eP	20 43.00	4.9X
MOX	16.65	7	eP	20 37.60	-1.3
	1.9s		246.00nm		5.0mb
Z	14s		2.40um		4.9Msz
N	17s		1.90um		
E	16s		3.60um		
			e	23 48.00	
EDC	16.72	63	eP	20 41.00	1.2
BNT	16.76	63	eP	20 42.90	2.6
BNS	16.82	357	ePd	20 42.90	2.0
Z	12s		5.20um		5.5MszX
			i-	23 59.00	
BST	16.90	330	P	20 42.15	0.2
KCT	17.06	63	eP	20 43.00	-1.1
DMK	17.09	58	eP	20 47.90	3.4X
BRG	17.20	12	eP	20 45.40	-0.3
	1.4s		60.00nm		4.5mb
			i	20 46.80	
			i	21 20.00	
			i	21 42.50	
			e	23 56.00	
			i	24 22.50	
			i	24 24.00	
			i	24 30.50	
CTT	17.36	60	eP	20 50.00	2.2
SPC	17.42	27	eP	20 48.50	-0.2
CLL	17.47	10	eP	20 49.00	-0.2
	1.3s		105.00nm		4.8mb
			eS	24 07.00	
RAC	17.49	22	eP	20 50.00	0.7
			e	21 07.00	
			eS	24 15.00	
			e	24 26.00	
KHL	17.59	70	iP	20 51.50	0.7
MLR	17.60	45	ePd	20 53.00	2.1
KSP	17.66	17	iP	20 51.40	-0.1
			id	21 22.80	
			id	22 03.50	
			i	24 13.80	
			i	25 22.20	
BMR	17.66	36	ePd	20 56.00	4.5X
ISR	17.76	46	eP	20 56.00	3.2X
ELL	17.77	75	eP	20 51.50	-1.5
ITU	17.77	61	eP	20 59.00	6.1X
ISK	17.79	61	eP	20 55.00	1.8
WTS	17.86	357	iPc	20 55.90	1.9
	1.0s		77.00nm		4.8mb
DBN	18.08	354	eP	20 57.00	0.4
Z	20s		1.70um		
			eS	24 24.00	
OJC	18.12	24	eP	20 57.80	0.6
Z	12s		4.30um		
N	14s		5.90um		
E	14s		5.30um		
			i	21 02.00	
			i	21 14.40	
			eS	24 24.00	
HRT	18.17	62	eP	20 49.00	-8.9X
VRI	18.26	45	ePd	20 59.00	0.0
BRN	18.59	9	eP	21 03.00	0.1
			ePP	24 38.00	
WIT	18.69	357	iPc	21 05.30	1.2
CFR	18.77	48	eP	21 04.00	-1.1
GYN	18.85	64	eP	21 08.00	1.7
PPCY	19.79	81	eP	21 16.00	-1.3
SGKT	19.88	64	eP	21 18.00	-0.5
HLW	19.97	96	eP	21 18.80	-0.4
			e	25 07.00	
BBTK	20.29	67	eP	21 24.00	1.3
CSS	20.59	81	eP	21 25.00	-0.8
ECP	20.89	334	eP	21 27.00	-1.6
	0.9s		273.00nm		5.6mb
FAM	21.14	80	eP	21 32.50	1.2
ECB	21.19	334	eP	21 30.40	-1.3
	0.7s		298.00nm		5.8mb
ETA	21.25	335	eP	21 30.60	-1.7
KAS	21.31	63	iPc	21 33.80	0.7
BSD	21.45	10	iP	21 33.70	-0.5
	0.7s		73.00nm		5.2mb
COP	21.71	6	iPc	21 35.80	-1.1
	0.9s		245.38nm		5.6mb
			iS	25 38.00	
DLF	21.86	336	eP	21 36.60	-1.8
	0.8s		190.00nm		5.6mb
ADAT	22.13	75	eP	21 42.00	0.7
DCN	22.16	335	eP	21 39.80	-1.6
	1.0s		81.00nm		5.1mb
VAL	22.25	329	iP	21 41.70	-0.6
MUD	22.31	1	iPd	21 42.60	-0.2
	1.3s		34.00nm		4.6mb
			i	22 27.50	
ZNT	22.40	87	eP	21 42.40	-1.7
DMU	22.48	336	eP	21 43.40	-1.2
	0.7s		76.00nm		5.3mb
BHL	22.62	83	P	21 44.00	-2.3
			S	26 00.00	
ESK	22.63	343	iPc	21 45.50	-0.5
	1.0s		40.00nm		4.9mb
EKA	22.63	343	Pd	21 44.60	-1.5
	1.0s		51.40nm		5.0mb
JVI	22.74	88	eP	21 46.30	-1.1
HRI	22.79	85	eP	21 49.20	1.2
MBH	22.92	94	eP	21 50.10	0.9
TRHT	22.96	66	iP	21 50.70	1.1
EBL	23.00	343	ePc	21 49.00	-0.7
EBL	23.00	343	ePc	21 50.80	1.1
ESY	23.04	344	ePc	21 49.10	-1.0
	1.0s		87.00nm		5.2mb
EAU	23.17	343	ePc	21 50.80	-0.5
SVST	23.48	68	eP	21 56.00	1.3
EBH	23.55	343	ePc	21 54.20	-0.8
	1.1s		57.00nm		5.0mb
EAB	23.70	342	ePc	21 56.10	-0.3
	0.8s		59.00nm		5.2mb
EDU	23.70	344	ePc	21 56.30	-0.2
	1.1s		88.00nm		5.2mb
ELO	23.80	343	ePc	21 56.90	-0.5
	0.7s		38.00nm		5.1mb
KMY	25.15	356	eP	22 08.64	-1.8
KONO	25.51	1	eP	22 12.20	-1.7
HFS	26.22	6	eP	22 17.20	-3.3X
	0.8s		38.00nm		5.1mb
Z	15s		1.04um		4.5MszX
			LR	30 06.00	
UPP	26.43	11	iP	22 20.10	-2.2
	0.8s		100.00nm		5.6mb
			iS	26 54.00	
NB2	26.96	3	P	22 24.20	-3.1X
	0.8s		5.00nm		4.3mb
NUR	28.42	17	iP	22 38.20	-2.3
	0.7s		25.40nm		5.1mb
OBN	28.70	35	iPc	22 41.50	-1.5
	1.0s		70.00nm		5.4mb
Z	14s		1.50um		4.8MszX
N	14s		1.00um		
E	14s		1.50um		
			e	23 30.00	
			ePP	23 39.00	
			eS	27 24.00	
			eSS	28 47.00	
			e	29 48.00	
TIC	30.04	207	P	22 55.40	0.0
KIC	30.19	207	Pc	22 56.00	-0.8
	0.8s		118.00nm		5.8mb
KAF	30.22	17	iP	22 54.33	-2.2
	0.8s		114.40nm		5.8mb
LIC	30.42	207	Pc	22 58.30	-0.5
LOF	34.15	3	eP	23 28.50	-2.3
KTK1	35.90	9	eP	23 43.94	-1.8
TRO	36.01	6	eP	23 44.70	-2.0
KEV	37.12	11	eP	23 54.00	-2.0
AAE	37.50	125	P	24 02.00	1.8
SHI	37.57	84	eP	24 02.00	1.5
MAIO	41.45	72	eP	24 33.00	0.4
NAI	44.24	137	P	24 58.50	2.9X
DAG	44.45	351	iPd	24 56.30	0.0
	0.8s		12.69nm		4.8mb
			ipP	26 42.40	600kmX
KBS	44.89	1	eP	25 00.60	0.7
GDH	48.58	335	ePc	25 28.00	-1.0
	1.2s		93.75nm		5.7mb
			i	25 40.00	
			e	32 32.00	
QUE	49.19	78	eP	25 33.50	-1.0
LSZ	52.67	156	iPc	26 02.00	1.1
KSH	53.28	63	P	26 05.30	0.0

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LMN     55.40 306 ePc    26 21.50    0.9
BUL     57.35 157 iPd    26 34.00   -0.9
        1.0s     21.00nm         5.1mb
                  i      26 42.00
NDI     58.04  75 iPc    26 37.50   -2.0
        0.6s     13.33nm         5.2mb
MIM     58.43 306 eP     26 41.96    0.0
POO     59.83  87 iPd    26 53.40    1.2
BNH     60.13 306 eP     26 53.71   -0.1
WMO     60.24  55 P      26 53.00   -1.6
        1.0s     30.00nm         5.4mb
    Z  14s      0.52um           4.8MszX
                  PcP    27 40.00
                  S      35 05.40
HRV     61.06 304 P      27 10.00    9.9X
    Z  20s      0.80um           4.9Msz
ITR     61.51 235 eP     27 04.50    0.9
KSR     62.24 161 iPc    27 08.00   -0.5
        1.0s     30.00nm         5.4mb
SLR     62.50 160 iPc    27 08.20   -2.0
        1.2s     54.69nm         5.6mb
PRY     63.41 161 iPc    27 15.00   -1.1
        0.8s      9.38nm         5.0mb
TBR     63.42 303 eP     27 16.15    0.2
GKN     64.24  73 Pc     27 19.20   -2.5
HYB     64.27  86 eP     27 20.00   -1.9
EEO     64.47 310 eP     27 24.00    1.2
SEK     64.77 161 iPc    27 24.00   -1.0
        1.0s     50.00nm         5.7mb
DMN     64.79  73 Pc     27 23.40   -2.0
PAG     64.79 273 eP     27 20.00   -5.4X
KKN     64.84  72 Pc     27 23.30   -2.5
PKI     65.04  73 Pc     27 24.70   -2.5
MBC     65.08 348 eP     27 27.00    0.6
        1.5s     19.00nm         5.1mb
BLF     65.15 163 eP     27 27.10   -0.4
        1.2s     60.00nm         5.7mb
GUN     65.26  72 Pc     27 26.30   -2.3
JOZ     65.27 157 eP     27 27.00   -1.1
FRS     65.56 164 iPc    27 29.20   -0.6
        1.2s     70.31nm         5.7mb
KOD     67.08  93 eP     27 39.50   -0.9
WA2     67.15 301 eP     27 40.61    0.5
CVL     67.72 301 eP     27 44.83    1.1
MCWV    67.94 304 P      28 00.00   14.9X
    Z  19s      2.18um           5.4Msz
LSA     68.55  68 iPd    27 44.80   -4.8X
CEH     69.12 300 P      28 00.00    7.6X
    Z  21s      0.53um           4.8Msz
GTA     70.32  55 P      27 59.50   -0.4
        1.2s     22.00nm         5.2mb
    Z  20s      0.35um           4.6Msz
                  pP     28 02.50   10kmX
                  sP     28 05.50
                  S      37 11.00
SHL     71.09  72 iPc    28 03.40   -1.5
JSC     71.44 299 eP     28 07.80    1.2
PRM     72.34 299 eP     28 12.53    0.6
TKL     72.57 301 eP     28 13.53    0.2
ULM     72.67 319 ePc    28 14.50    0.9
YKA     73.40 336 eP     28 17.50   -0.2
        0.6s      8.60nm         5.0mb
BRW     74.30 355 eP     28 23.54    0.9
LZH     74.74  57 eP     28 26.00   -0.1
        1.5s     40.00nm         5.2mb
    Z  20s      0.30um           4.6Msz
TOV     74.78 272 eP     28 29.50    3.0X
PWLA    75.93 303 eP     28 32.38   -0.4
FVM     75.95 306 eP     28 32.26   -0.6
        1.0s     41.67nm         5.5mb
SDV     75.96 271 eP     28 34.70    1.2
BTO     76.44  50 eP     28 36.00    0.3
CCM     76.46 307 eP     28 35.71    0.1
        0.8s     19.61nm         5.2mb
    Z  20s      0.23um           4.5Msz
HHC     77.28  49 eP     28 40.40    0.1
        1.1s     28.00nm         5.3mb
    Z  20s      0.87um           5.1Msz
CD2     77.39  61 P      28 40.80   -0.2
        1.2s     60.00nm         5.6mb
OLY     78.00 305 eP     28 44.36    0.1
IMA     79.13 353 eP     28 51.33    1.3
        1.0s     22.80nm         5.1mb
XAN     79.35  56 eP     28 51.80    0.1
        1.1s     21.00nm         5.1mb
TIY     79.62  51 eP     28 53.00   -0.1
    Z  20s      0.63um           5.0Msz
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        E  15s      0.44um
KMI     79.73  67 Pc     28 54.00   -0.1
        1.5s     40.00nm         5.2mb
RLO     80.02 307 eP     28 55.30    0.1
CHG     80.17  74 eP     28 56.00   -0.3
SES     80.27 326 eP     29 09.00   12.7X
                  pP     29 19.00   32kmX
BJI     80.61  48 eP     28 59.00    0.7
        1.0s     22.00nm         5.1mb
    Z  20s      0.30um           4.6Msz
    N  15s      0.49um
                  eS     39 00.00
                  eSS    44 10.00
TUL     80.67 307 eP     28 58.50   -0.2
RSSD    80.77 318 eP     29 00.50    1.2
        0.9s     11.62nm         4.9mb
BDT     81.06  75 eP     29 00.50   -0.4
ANM     81.48 357 eP     29 04.00    1.7
GYA     81.95  64 P      29 05.40   -0.3
        0.8s    140.00nm         6.1mb
OCO     82.01 308 iPd    29 12.20    6.5X
KHT     82.06  78 eP     29 06.50    0.3
TTA     82.43 353 eP     29 10.20    2.7
SIV     82.67 245 P      29 10.60    1.3
NST     82.82  76 eP     29 06.50   -3.6X
PMR     82.84 349 P      29 20.00   10.5X
    Z  20s      0.34um           4.7Msz
PWA     82.90 350 eP     29 13.30    3.5X
        1.2s     86.30nm         5.8mb
LOE     83.15  74 eP     29 12.00    0.2
MEO     83.18 308 iPc    29 12.80    1.0
CN2     83.58  40 eP     29 13.80    0.2
        0.8s     17.00nm         5.3mb
    Z  16s      0.93um           5.3MszX
    N  16s      0.49um
    E  16s      1.06um
                  esP    29 26.00
                  eS     39 36.00
SNY     83.86  43 Pd     29 15.60    0.6
        1.0s     31.00nm         5.5mb
SIT     84.08 341 P      29 30.00   14.1X
    Z  19s      1.20um           5.3Msz
LRM     84.10 323 eP     29 17.70    1.1
SVW     84.17 352 eP     29 18.00    1.6
        0.9s     12.50nm         5.1mb
GOL     84.35 315 eP     29 19.18    1.2
        0.5s      5.06nm         5.0mb
    Z  19s      0.72um           5.1Msz
DL2     84.62  46 eP     29 19.60    0.7
    Z  15s      0.58um           5.1MszX
                  eS     39 43.00
BW06    84.69 319 iP     29 20.29    0.7
        1.1s     27.38nm         5.4mb
PNT     84.90 329 eP     29 23.00    2.8X
        0.7s     12.00nm         5.2mb
HPI     85.91 322 eP     29 24.56   -1.2
NJ2     87.23  53 Pd     29 33.00    1.0
        1.0s     23.00nm         5.4mb
EMUT    87.40 318 eP     29 32.55   -0.5
GMW     87.61 329 (P)    29 33.44   -0.1
SRU     87.72 317 eP     29 34.44   -0.1
LON     87.81 328 eP     29 35.70    1.1
ALQ     88.11 312 eP     29 40.80    4.4X
ALQ     88.11 312 P      29 50.00   13.6X
    Z  19s      0.40um           4.9Msz
ZOBO    88.25 249 P      29 38.00    0.3
    Z  24s      0.19um           4.4MszX
                  LR     59 28.00
LPB     88.36 249 P      29 38.00    0.0
SHW     88.43 328 eP     29 37.08   -0.6
CNCB    88.44 249 P      29 39.40    0.8
ARE     90.96 251 eP     29 51.00    0.9
ISA     94.60 319 eP     30 07.92    1.5
        0.9s      8.95nm         5.2mb
    Z  22s      0.40um           4.8Msz
HON    123.31 345 PKP    35 50.00    6.9X
    Z  20s      0.24um           4.8Msz
WRA    130.40  88 PKP    35 57.20    0.4
        0.6s      1.70nm
WB2    130.41  88 iPKPd  35 57.10    0.3
        0.5s      4.80nm
                  eSKP   39 19.50
                  iPP    40 26.30
ASPA   131.71  93 ePKP   35 58.80   -0.4
        1.1s      6.70nm
RMQ    145.16  88 ePKP   36 24.00    0.4
TOO    145.33 108 iPKPd  36 24.80    1.1
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        0.8s     61.00nm
ARMA   148.85  93 ePKP   36 35.00    5.3X
     S.D. = 1.2  on 350 of 394 obs.
```

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?  JUN  12, 1992   19h 46m 30.80± 4.39s
   33.883 S ±36.7km    73.279 W ±31.0km
   DEPTH =   31.1 ± 11.2 km
 OFF COAST OF CENTRAL CHILE        (134)
      MD 4.1 (SAN).

LNV      1.56  93 iPc    46 56.50   -0.1
                  iS     47 17.60
TACH     1.96  84 iPc    47 02.00   -0.6
                  iS     47 26.70
CHCH     2.18  92 iPc    47 06.00    0.3
                  iS     47 34.20
CACH     2.24  97 iP     47 07.40    0.8
                  iS     47 36.80
PEL      2.29  72 iP     47 07.90    0.7
                  iS     47 37.20
PCH      2.32  84 iPd    47 07.70    0.0
                  iS     47 37.20
FCH      2.55  78 iP     47 11.80    0.5
                  iS     47 43.90
RTCB     4.47  59 iPd    47 39.40    1.1
                  S      48 34.40
RTLL     4.79  59 ePd    47 42.90    0.2
CFA      4.81  63 ePc    47 43.50    0.4
RTPR     6.76  60 ePd    48 08.00   -2.4
ZOBO    18.12  16 P      50 43.80    1.3
SIV     20.94  35 P      51 12.00   -1.5
     S.D. = 1.2  on  13 of  13 obs.
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   JUN  12, 1992   20h 14m 30.63± 0.29s
   44.234 N ± 4.4km  116.294 E ± 4.9km
   DEPTH =  10.0km  (geophysicist)
   4.7mb ( 34 obs.)
 NORTHEASTERN CHINA                (658)
      ML 5.1 (BJI).

BJI      4.19 181 Pn     15 35.50   -0.5
                  Pg     15 47.50
                  Sg     16 39.00
HHC      4.86 228 Pn     15 44.80   -0.9
                  Pg     16 00.00
                  Sn     16 36.00
                  Sg     17 00.00
SNY      5.86 112 Pnc    15 58.60   -0.9
                  Pg     16 20.00
                  Sn     17 05.00
                  Sg     17 34.00
BTO      5.90 234 ePn    15 58.20   -2.0
                  Pg     16 17.80
                  Sn     17 03.00
                  Sg     17 33.40
CN2      6.62  91 ePn    16 08.10   -2.2
                  eSn    17 21.00
                  eSg    17 56.60
DL2      6.66 141 ePn    16 14.80    4.0X
                  Pg     16 34.50
                  Sg     17 59.50
TIY      7.14 205 iPn    16 17.20   -0.5
    Z  10s      4.44um
                  Pg     16 42.30
                  Sg     18 12.10
TIA      8.04 175 eP     16 31.70    1.5
    Z  12s      1.78um
                  eS     18 05.00
MDJ      9.53  83 eP     16 53.30    2.5
ZAK     10.76 309 eP     17 03.10   -4.5X
        1.0s     10.00nm         5.1mb
                  eS     19 12.50
IRK     11.32 319 ePc    17 12.60   -2.8
XAN     11.67 212 eP     17 20.00   -0.2
    N  10s      0.87um
    E  12s      1.55um
LZH     12.51 234 eP     17 28.00   -3.7X
    Z  10s      0.70um
MOY     12.67 311 eP     17 35.00    1.6
GTA     13.20 254 eP     17 37.00   -3.7X
        1.0s     14.00nm         5.0mb
    Z  10s      1.73um           4.6MszX
                  pP     17 42.00
                  sP     17 46.00
BOD     13.70 355 eP     17 43.60   -3.5X
        1.0s      9.00nm         4.6mb
CD2     16.58 221 P      18 26.70    2.0
```

12d 20h

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       1.2s     58.00nm             4.6mb
GYA    19.37 207 eP     18 59.60    0.1
    Z  12s     1.77um
YAK    19.48  19 eP     19 00.00   -0.2
       0.9s     36.00nm             4.6mb
WMO    20.53 279 iPd    19 12.00    0.3
       1.0s     28.00nm             4.6mb
    Z  10s     0.85um               4.4MszX
KMI    22.03 214 Pd     19 32.00    4.8X
       1.5s     40.00nm             4.6mb
LSA    24.65 242 P      19 55.00    1.9
SEM    25.02 297 ePc    19 56.00    0.1
       1.1s     21.00nm             4.7mb
                 e      20 06.80
                 e      20 28.80
MGD    26.05  40 eP     20 05.00   -0.4
                 e      20 20.00
                 e      20 49.00
CHG    29.22 215 eP     20 37.80    3.2X
GUN    29.27 246 P      20 34.50   -0.9
KKN    29.75 247 P      20 38.70   -0.9
PKI    29.81 246 P      20 38.30   -2.0
DMN    29.98 247 P      20 40.90   -0.8
GKN    30.03 248 P      20 41.20   -0.9
SVE    36.52 310 ePc    21 38.00    0.3
       2.2s     40.00nm             4.8mb
ARU    37.68 310 eP     21 48.00    0.6
    Z  14s     0.50um               4.5MszX
    E  14s     0.50um
ILT    40.68  32 eP     22 12.00   -0.2
KEV    49.09 333 iP     23 20.20    0.7
       0.8s     13.20nm             5.0mb
MOS    49.22 313 iP     23 21.00    0.4
       1.4s     60.00nm             5.4mb
OBN    50.00 312 eP     23 27.00    0.4
       1.5s     35.00nm             5.1mb
IMA    50.61  32 eP     23 31.20   -0.2
       0.9s     3.29nm              4.3mb
TTA    50.85  36 ePc    23 32.86   -0.3
       0.6s     5.64nm              4.7mb
KAF    52.15 323 iP     23 43.30    0.4
       0.7s     8.00nm              4.8mb
FBA    53.33  32 eP     23 51.42   -0.2
       0.9s     18.14nm             5.0mb
NUR    53.56 322 iP     23 53.80    0.4
       0.9s     12.10nm             4.9mb
BALM   57.43  34 (P)    24 20.97   -0.6
HFS    58.44 325 eP     24 27.50   -1.0
       0.6s     4.00nm              4.7mb
    Z  16s     0.25um               4.4MszX
                 LR     49 43.00
NB2    58.92 327 P      24 30.80   -1.1
       0.7s     4.60nm              4.7mb
KHC    65.15 315 eP     25 14.40    0.7
GEC2   65.27 315 P      25 13.80   -0.8
       0.6s     0.72nm              4.0mb
WRA    65.97 161 P      25 18.20   -0.9
       0.7s     3.10nm              4.6mb
WB2    65.97 161 iPd    25 20.20    1.1
       0.7s     6.10nm              4.9mb
YKA    66.10  23 eP     25 17.20   -2.3
       0.5s     3.80nm              4.8mb
EKA    68.37 328 Pc     25 33.90   -0.1
       0.7s     3.40nm              4.6mb
CDF    68.76 317 eP     25 37.20    0.6
       0.7s     3.95nm              4.7mb
ASPA   69.47 163 eP     25 42.90    1.8
       0.9s     6.50nm              4.0mb
HAU    69.49 318 eP     25 41.40    0.4
       0.7s     3.95nm              4.7mb
LPL    71.03 316 eP     25 51.30    0.6
       0.7s     2.75nm              4.5mb
LPG    71.03 316 eP     25 51.50    0.7
       0.7s     4.20nm              4.7mb
LOR    71.20 318 eP     25 51.50    0.0
       0.6s     3.05nm              4.6mb
MFF    73.57 320 eP     26 06.50    1.1
       0.8s     6.45nm              4.7mb
RJF    73.75 318 eP     26 07.50    1.0
       0.9s     3.75nm              4.4mb
CAF    73.76 318 eP     26 07.90    1.3
       0.8s     3.35nm              4.4mb
LPO    74.36 318 eP     26 11.20    1.2
       0.9s     5.55nm              4.6mb
SIV   151.76 355 PKP    34 26.40    5.8X
ZOBO  151.89   9 PKP    34 27.00    5.5X
LPB   152.14   9 ePKP   34 36.00   14.4X
CNCB  152.42   9 PKP    34 30.20    8.0X
     S.D. = 1.2  on  53 of  64 obs.
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•  JUN 12, 1992  20h 24m 16.89± 0.44s
   27.945 N ± 8.6km  139.378 E ± 9.6km
   DEPTH = 500.0km  (geophysicist)
   3.9mb (  9 obs.)
 BONIN ISLANDS REGION             (212)

CHG    38.07 265 eP     30 54.80    1.6
GUN    46.94 283 Pd     32 04.20    0.4
PKI    47.42 283 Pd     32 07.00   -0.5
KKN    47.48 283 Pd     32 07.60   -0.2
DMN    47.67 283 Pd     32 09.10   -0.2
WB2    47.85 186 iPd    32 10.00   -0.3
       0.2s     9.10nm              4.9mb
WRA    47.85 186 P      32 10.40    0.1
       0.7s     1.80nm              3.6mb
GKN    47.99 284 Pd     32 11.40   -0.1
ASPA   51.58 186 eP     32 37.40   -0.6
       0.5s     5.40nm              4.2mb
SLKM   56.50  34 (P)    33 12.47    0.0
MBC    65.72  15 eP     34 13.00    0.4
YKA    72.57  28 eP     34 53.30   -0.4
       0.6s     2.40nm              3.9mb
KAF    75.62 333 iP     35 10.70   -0.1
       0.4s     2.80nm              4.1mb
NUR    77.17 333 eP     35 18.90   -0.4
       0.4s     15.00nm             4.8mb
HFS    81.65 336 eP     35 41.70   -1.0
       0.5s     0.70nm              3.4mb
NB2    81.89 337 P      35 43.70   -0.3
       0.7s     1.00nm              3.5mb
BW06   85.34  44 eP     36 03.20    1.4
       1.0s     1.33nm              3.6mb
     S.D. = 0.7  on  17 of  17 obs.
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?  JUN 12, 1992  21h 50m 53.94± 2.34s
   51.389 N ±19.1km  178.391 W ±27.6km
   DEPTH =  33.0km  (normal)
   4.1mb (  5 obs.)
 ANDREANOF ISLANDS, ALEUTIAN IS. (  7)
      Felt (III) on Adak.

ADK     1.17  64 iPc    51 14.31    0.2
SVW    15.88  43 eP     54 36.95    0.6
       0.6s     18.75nm             4.4mb
KDC    16.25  57 (P)    54 40.55   -0.4
TTA    16.65  37 (P)    54 45.28   -0.8
       0.6s     9.64nm              4.1mb
IMA    19.31  31 eP     55 19.70    0.9
       0.8s     2.11nm              3.5mb
YKA    35.04  47 eP     57 44.30   -0.8
       0.6s     0.60nm              3.7mb
HVU    44.70  76 (P)    59 05.03   -0.5
BW06   46.06  72 iPd    59 16.60    0.2
       0.7s     4.48nm              4.5mb
SRU    47.68  77 eP     59 29.68    0.5
     S.D. = 0.7  on   9 of   9 obs.
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   JUN 12, 1992  22h 52m 41.26± 0.55s
   39.009 S ± 4.9km  174.823 E ± 4.5km
   DEPTH = 261.5 ±  5.7 km
 NORTH ISLAND, NEW ZEALAND        (159)

MOZ     0.50 358 P      53 15.20   -0.3
                 S      53 37.70
CNZ     0.60 109 Pd     53 15.80   -0.1
NGZ     0.63 106 P      53 16.00   -0.1
NRZ     0.77 244 P      53 16.90    0.5
BSZ     0.79 174 Pc     53 16.80    0.3
WHH     1.31  85 Pc     53 18.80   -0.9
WAHZ    1.37 121 Pd     53 20.00   -0.1
TAZ     1.53  60 P      53 21.30    0.2
TTH     1.64 110 P      53 22.60    0.6
MNG     1.69 163 Pc     53 22.30   -0.1
                 S      53 48.80
PAHZ    1.75  86 P      53 22.80   -0.1
TEHZ    1.82 123 P      53 23.60    0.1
KIW     1.85 178 Pc     53 23.60   -0.1
DIW     1.92 201 P      53 24.50    0.2
PGZ     1.96 146 P      53 24.50   -0.1
CAW     2.11 175 Pc     53 25.80   -0.1
MTW     2.21 167 P      53 26.50   -0.4
MRW     2.22 182 Pc     53 26.90   -0.1
                 S      53 57.50
TCW     2.24 191 Pc     53 27.40    0.2
WEL     2.27 181 P      53 27.40   -0.1
                 S      53 58.70
MAHZ    2.39  95 P      53 29.10    0.5
AMW     2.41 163 P      53 28.60   -0.1
BLW     2.41 168 P      53 28.60   -0.2
MOW     2.43 172 Pc     53 28.80   -0.2
ORZ     2.53 223 P      53 29.80   -0.2
NOZ     2.54  82 P      53 30.40    0.3
CCW     2.78 189 P      53 33.20    0.7
PUZ     2.85  72 P      53 33.00   -0.3
HBZ     3.08  64 P      53 35.80    0.2
THZ     3.12 207 P      53 36.30    0.2
                 S      54 15.70
KHZ     3.54 196 P      53 41.10    0.4
                 S      54 23.60
DSZ     3.58 219 P      53 41.10   -0.1
LTZ     4.24 206 P      53 49.10    0.3
                 S      54 37.50
MOZ     4.97 198 P      53 56.90   -0.6
                 S      54 52.30
EWZ     5.40 212 P      54 02.90    0.1
LMZ     6.29 220 P      54 14.00    0.2
BWZ     6.64 212 eP     54 18.10    0.0
ODZ     6.79 206 P      54 20.50    0.6
                 S      55 32.70
LSCZ    7.33 212 P      54 26.60   -0.2
SBCZ    7.33 212 P      54 26.20   -0.7
MMCZ    7.34 213 P      54 26.70   -0.3
CMCZ    7.39 212 P      54 27.80    0.1
     S.D. = 0.4  on  42 of  42 obs.
```

```
•  JUN 12, 1992  23h 11m 24.73± 1.32s
   18.740 N ± 9.4km   69.702 W ±11.2km
   DEPTH =  26.4 ±  7.1 km
   3.8mb (  1 obs.)
 DOMINICAN REPUBLIC REGION        ( 88)

MGP     2.59 106 iP     12 06.10    0.3
LRS     2.75  99 iP     12 09.20    1.1
                 S      12 35.70
PORP    2.99 103 iP     12 11.50    0.0
CLLP    3.04 102 iP     12 12.30    0.1
SJG     3.43 100 iP     12 17.60   -0.2
                 S      12 50.60
LPR     3.66  96 iP     12 20.20   -0.9
CPD     3.66 100 iP     12 20.50   -0.6
TOV     8.90 181 eP     13 33.80   -0.9
OLLA    9.11 162 iP     13 38.80    1.1
GUAN    9.57 155 iP     13 44.10    0.0
CEOS    9.74 172 eP     13 51.40    5.0X
SDV     9.84 185 ePn    13 52.60    4.8X
YKA    53.52 336 eP     20 45.20    0.2
       0.5s     0.50nm              3.0mb
     S.D. = 0.8  on  11 of  13 obs.
```

```
&  JUN 12, 1992  23h 24m 48.24s
   33.203 N          116.271 W
   DEPTH =   9.3km
 SOUTHERN CALIFORNIA              ( 43)
      <PAS-P>. ML 3.3 (PAS).

PLM     0.52 287 iPc    24 58.04   -0.7
PEC     1.01 313 ePnd   25 06.36   -1.1
                 iS     25 19.23
SSK     1.55 311 ePn    25 15.88   -0.4
                 eS     25 35.91
ABL     2.95 305 (P)    25 37.08    0.8
ISA     3.06 324 ePn    25 35.13   -2.5
                 eS     26 20.97
BCH     3.73 303 ePn    25 47.58    0.3
        6 obs. associated
```

```
?  JUN 12, 1992  23h 47m 20.48± 3.00s
   14.937 N ±17.3km   61.409 W ±83.1km
   DEPTH = 130.0km  (geophysicist)
 WINDWARD ISLANDS                 ( 95)

FDF     0.32 129 eP     47 39.80   -0.2
                 S      47 57.60
CRM     0.51 111 iPd    47 39.76   -0.1
                 S      47 57.30
BIM     0.53 142 eP     47 40.21    0.2
                 S      47 59.70
MVM     0.63 127 eP     47 40.61    0.0
DEG     1.41  14 eP     47 48.00    0.0
                 S      48 06.00
     S.D. = 0.2  on   5 of   5 obs.
```

• JUN 13, 1992 00h 31m 16.42± 1.60s
38.331 S ±14.2km 176.069 E ±10.7km
DEPTH = 181.7 ± 15.1 km
NORTH ISLAND, NEW ZEALAND (159)

WHH 0.65 149 P 31 41.70 -0.7
PAHZ 0.93 125 P 31 43.90 -0.3
TTH 1.34 154 P 31 48.20 0.8
WAHZ 1.38 171 P 31 48.10 0.3
NOZ 1.57 101 P 31 49.70 0.2
MAHZ 1.65 122 P 31 50.80 0.4
BSZ 1.71 211 eP 31 51.00 0.1
PUZ 1.74 82 P 31 51.00 -0.3
S 32 12.60
PGZ 2.29 176 P 31 56.90 -0.2
MNG 2.33 191 Pc 31 58.00 0.4
S 32 25.10
KIW 2.68 199 P 32 01.80 0.0
MTW 2.86 189 P 32 03.40 -0.5
CAW 2.88 195 P 32 04.10 0.0
DIW 2.97 213 eP 32 05.40 0.1
AMW 2.98 184 P 32 05.10 -0.3
MRW 3.08 200 P 32 06.40 -0.2
MOW 3.15 191 P 32 06.90 -0.6
TCW 3.19 205 P 32 07.90 0.0
THZ 4.20 214 eP 32 21.80 1.0
KHZ 4.52 205 P 32 24.70 0.0
LTZ 5.31 212 P 32 34.70 -0.4
ODZ 7.84 209 eP 33 07.30 -1.2X
S.D. = 0.5 on 21 of 22 obs.

• JUN 13, 1992 00h 41m 28.21± 1.04s
10.304 N ± 8.5km 126.746 E ±13.4km
DEPTH = 33.0km (normal)
4.6mb (3 obs.)
PHILIPPINE ISLANDS REGION (248)

PLP 1.94 296 ePd 41 59.30 -0.1
iS 42 18.20
BIP 2.12 193 iPc 42 02.50 0.4
eS 42 27.00
MAP 2.72 271 ePc 42 11.00 0.5
eS 42 40.00
CGP 2.73 228 iPd 42 10.00 -0.7
eS 42 40.00
WB2 30.98 166 eP 47 59.50 14.6X
0.6s 2.50nm
LZH 33.02 325 eP 48 03.00 0.2
1.5s 20.00nm 4.8mb
sP 48 09.50
HFS 92.23 333 eP 54 35.60 -0.3
0.5s 1.20nm 4.6mb
NB2 92.93 334 P 54 39.10 -0.1
0.7s 1.20nm 4.4mb
YKA 93.54 24 eP 54 55.40 13.6X
0.4s 0.10nm
S.D. = 0.5 on 7 of 9 obs.

JUN 13, 1992 00h 46m 03.76± 0.76s
43.083 N ± 9.9km 0.307 W ± 4.9km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 2.3 (LDG).

JAU 0.06 225 Pg 46 06.45 0.2
OGE 0.15 305 Pg 46 07.38 0.2
ESCF 0.20 269 Pg 46 07.84 -0.3
Sg 46 10.59
LHE 0.29 234 Pg 46 09.70 -0.1
ATE 0.29 271 Pg 46 09.71 -0.1
Sg 46 13.60
ISSF 0.36 261 Pg 46 11.35 0.1
Sg 46 16.61
EPF 0.48 96 Pg 46 13.40 -0.1
Sg 46 21.40
LPO 1.93 34 Pg 46 40.40 3.5X
Sg 47 06.30
LFF 2.00 22 Pg 46 41.90 3.9X
Sg 47 08.40
RJF 2.58 30 Pg 46 52.50 6.3X
Sg 47 25.50
S.D. = 0.2 on 7 of 10 obs.

JUN 13, 1992 01h 50m 09.80± 0.58s
36.629 N ± 4.0km 5.550 W ± 6.0km
DEPTH = 10.0km (geophysicist)
STRAIT OF GIBRALTAR (385)
mbLg 3.0 (MDD).

ALJ 0.06 316 iP 50 12.50 0.3
EJIF 0.19 160 ePg 50 12.60 -1.4
eSg 50 15.00
GIBL 0.38 301 iP 50 18.00 0.4
EPRU 0.42 37 ePg 50 18.20 -0.2
eSg 50 24.80
CNIL 0.48 238 eP 50 18.50 -1.1
OJEN 0.53 179 eP 50 22.00 1.5
PLAT 0.53 198 iP 50 20.00 -0.6
SFS 0.55 253 eP 50 21.00 0.0
NKM 1.18 174 iPg 50 33.00 1.1
eSg 50 45.00
EHOR 1.22 11 ePn 50 32.20 -0.2
eSn 50 49.00
EVAL 1.35 315 ePn 50 34.80 0.2
eSn 50 52.70
S.D. = 1.0 on 11 of 11 obs.

& JUN 13, 1992 02h 04m 02.07s
33.814 N 117.006 W
DEPTH = 11.9km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 2.5 (PAS).

PEC 0.15 301 iPc 04 05.55 -0.3
PLM 0.47 165 iPd 04 11.32 -0.6
eS 04 18.07
SSK 0.69 305 eP 04 14.69 -1.1
eS 04 24.45
3 obs. associated

? JUN 13, 1992 03h 00m 46.95± 1.58s
36.147 N ±47.5km 26.542 E ±75.9km
DEPTH = 33.0km (normal)
4.0mb (2 obs.)
DODECANESE ISLANDS (369)
MD 4.3 (HLW).

KOT 7.62 143 ePn 02 38.50 0.0
eSn 04 05.50
KHC 16.07 328 eP 04 32.00 0.0
HFS 25.39 345 eP 06 13.00 0.4
0.4s 3.40nm 4.3mb
Z 16s 0.03um 2.9MszX
LR 15 31.00
NB2 26.75 343 P 06 24.80 -0.4
0.5s 1.00nm 3.7mb
S.D. = 0.6 on 4 of 4 obs.

% JUN 13, 1992 03h 08m 27.74± 2.63s
15.901 N ±13.2km 60.684 W ±32.2km
DEPTH = 31.6 ± 7.9 km
LEEWARD ISLANDS (92)
ML 2.8 (FDF).

DEG 0.55 319 ePc 08 38.95 -0.1
S 08 48.39
DOG 0.91 278 eP 08 44.03 -0.3
SEG 0.93 302 eP 08 44.88 0.3
S 08 57.60
CRM 1.16 191 iPd 08 47.60 -0.3
FDF 1.25 201 iPd 08 49.36 0.3
S 09 00.90
MVM 1.35 189 iPd 08 50.51 -0.1
S 09 03.20
BIM 1.43 195 iPc 08 51.86 0.2
S 09 05.40
S.D. = 0.3 on 7 of 7 obs.

JUN 13, 1992 03h 20m 16.81± 0.48s
36.675 N ± 5.3km 5.489 W ± 5.5km
DEPTH = 18.3 ± 7.0 km
STRAIT OF GIBRALTAR (385)
mbLg 3.0 (MDD).

ALJ 0.09 269 iP 20 20.00 -0.7
EJIF 0.22 176 iPg 20 22.40 0.2
eSg 20 25.30
EPRU 0.36 35 iPg 20 26.40 2.0
eSg 20 34.50
GIBL 0.40 292 iP 20 24.00 -1.1
CNIL 0.55 236 eP 20 27.00 -0.6
OJEN 0.57 184 iP 20 30.00 1.9
PLAT 0.59 202 iP 20 28.00 -0.4
SFS 0.61 250 eP 20 29.00 0.3
EHOR 1.16 9 iPnd 20 39.03 1.0
eSn 20 55.20
NKM 1.23 177 iPg 20 39.00 0.0
eSg 20 54.00
ELUQ 1.32 47 ePn 20 40.72 0.4
eSn 20 57.60
EVAL 1.35 312 ePn 20 41.60 0.8
eSn 20 57.30
EGUA 1.55 84 iPnc 20 42.44 -1.2
eSn 21 00.70
ECOG 1.65 68 iPnc 20 44.10 -1.1
eSn 21 05.00
EBAN 2.01 42 ePn 20 50.21 -0.1
eSn 21 14.20
EVIA 3.08 50 ePn 21 04.22 -1.3
S.D. = 1.2 on 16 of 16 obs.

• JUN 13, 1992 03h 30m 58.85± 0.92s
32.545 S ±11.1km 70.654 W ±14.7km
DEPTH = 100.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.7 (SAN).

JACH 0.15 159 iP 31 13.70 0.3
iS 31 24.00
ROCH 0.52 215 iPd 31 15.50 0.2
PEL 0.60 183 iPd 31 15.80 0.1
iS 31 27.90
FCH 0.84 159 iPd 31 18.70 0.5
iS 31 33.10
SAN 0.91 180 iPc 31 18.70 0.1
iS 31 32.80
PCH 1.08 174 iPd 31 20.50 0.0
iS 31 37.00
TACH 1.13 192 iPd 31 20.80 -0.2
iS 31 36.90
CHCH 1.38 180 iPd 31 23.70 -0.4
iS 31 43.10
LNV 1.54 204 iPd 31 25.50 -0.5
CACH 1.57 178 iPc 31 26.70 0.2
iS 31 48.00
RTCB 1.90 57 iPd 31 31.40 0.7
S 31 55.20
RTLL 2.22 57 iPc 31 35.30 0.4
S 32 03.00
CFA 2.25 66 ePc 31 35.50 0.2
S 32 03.00
RTPR 4.19 59 e(P)c 32 00.00 -1.6
S.D. = 0.6 on 14 of 14 obs.

& JUN 13, 1992 04h 24m 21.57s
62.033 N 148.969 W
DEPTH = 36.0km
CENTRAL ALASKA (1)
<AEIC>. ML 2.5 (AEIC).

GHO 0.26 175 P 24 29.00 -0.2
S 24 35.50
SML 0.38 127 P 24 29.80 -0.8
S 24 37.30
PLRM 0.45 190 P 24 30.50 -0.9
KNK 0.67 158 P 24 33.90 -0.7
CUT 0.71 302 P 24 34.20 -1.0
S 24 44.40
SCM 0.80 104 P 24 35.20 -1.3
HUR 1.00 342 P 24 38.40 -0.9
S 24 51.30
SUA 1.02 237 P 24 39.50 -0.2
SKT 1.21 269 P 24 41.20 -1.1
S 24 57.70
TOA 1.32 86 P 24 43.50 -0.4
TRF 1.55 337 P 24 46.20 -1.2
KLU 1.55 109 P 24 46.20 -1.1
VLZ 1.55 124 P 24 45.90 -1.3
SLKM 1.65 202 P 24 48.70 0.0
TZL 1.67 88 P 24 49.00 0.0
SDG 1.68 71 P 24 48.70 -0.4
KTH 1.77 330 P 24 50.50 0.0
PAX 1.88 58 P 24 51.70 -0.3
HIN 2.03 143 P 24 53.50 -0.6
DFR 2.30 233 P 24 58.20 0.2
GLB 2.53 101 P 25 00.20 -1.0
HDA 2.55 20 P 25 00.40 -1.1
22 obs. associated

? JUN 13, 1992 04h 36m 17.36± 3.73s

30.604 S ±35.1km 68.384 W ±33.3km
DEPTH = 33.0km (normal)
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL 0.73 186 iPd 36 30.40 -0.8
RTCB 0.95 202 iPd 36 34.10 -0.4
ZON 0.97 195 eP 36 35.70 0.9
eS 36 47.70
CFA 1.01 173 iPd 36 35.50 0.3
S 36 49.30
RTPR 1.64 80 iPd 36 44.30 0.0
S.D. = 0.9 on 5 of 5 obs.

? JUN 13, 1992 05h 48m 17.63± 1.02s
36.612 N ± 7.0km 5.542 W ±12.4km
DEPTH = 10.0km (geophysicist)
STRAIT OF GIBRALTAR (385)
mbLg 2.7 (MDD).

EJIF 0.17 160 iPgd 48 21.50 0.0
eSg 48 25.70
EPRU 0.43 35 iPg 48 26.60 0.1
eSg 48 34.20
EHOR 1.23 11 iPn 48 40.30 -0.2
eSn 48 56.70
EVAL 1.37 316 ePn 48 42.80 0.1
eSn 49 02.60
S.D. = 0.3 on 4 of 4 obs.

• JUN 13, 1992 05h 59m 46.61± 1.64s
27.268 N ±11.9km 139.914 E ±14.2km
DEPTH = 387.1 ± 14.9 km
4.4mb (8 obs.)
BONIN ISLANDS REGION (212)

MAT 9.36 352 eP 01 58.00 0.0
0.7s 15.07nm 4.4mb
eS 03 44.00
WRA 47.24 187 P 07 44.20 -0.1
0.6s 2.70nm 3.7mb
MBC 66.25 15 eP 09 55.50 -0.3
KEV 72.15 340 iP 10 31.90 0.6
YKA 72.94 28 eP 10 34.80 -1.2
0.6s 4.90nm 4.3mb
SHW 75.91 45 (P) 10 53.85 0.5
KAF 76.43 334 iP 10 55.90 0.3
0.4s 10.00nm 4.9mb
NUR 77.99 333 iP 11 04.80 0.7
LBFM 78.21 50 ePc 11 06.02 0.0
SES 80.55 38 ePc 11 17.50 -0.4
LRM 82.12 42 iPc 11 26.80 0.4
HFS 82.46 336 eP 11 27.10 -0.4
0.6s 4.80nm 4.4mb
NB2 82.69 337 P 11 28.90 0.2
0.7s 6.50nm 4.5mb
MSU 86.11 48 eP 11 46.69 0.3
PV10 88.25 47 eP 11 56.00 -0.6
GEC2 90.30 328 P 12 04.80 -0.9
0.6s 0.50nm 3.6mb
ALQ 91.91 49 iPc 12 14.40 0.9
0.8s 3.58nm 4.4mb
S.D. = 0.6 on 17 of 17 obs.

? JUN 13, 1992 06h 15m 58.19± 1.08s
30.104 N ±16.0km 141.705 E ±28.5km
DEPTH = 33.0km (normal)
4.4mb (4 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 7.05 336 eP 17 42.00 0.2
0.6s 4.67nm 4.6mb
eS 19 02.00
WB2 50.26 189 eP 24 56.20 2.8X
0.6s 3.60nm 4.6mb
WRA 50.26 189 P 24 53.30 -0.1
0.6s 1.90nm 4.3mb
ASPA 53.99 189 eP 25 25.30 4.0X
YKA 69.71 29 eP 27 04.70 -1.7
0.7s 0.80nm 3.9mb
LRM 78.97 43 eP 28 01.00 0.5
e 28 11.40
PV10 85.19 48 eP 28 34.00 1.1
S.D. = 1.5 on 5 of 7 obs.

& JUN 13, 1992 07h 21m 09.14s
34.170 N 116.313 W
DEPTH = 0.7km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.8 (PAS).

PEC 0.76 249 ePc 21 23.46 -0.8
eS 21 33.25
PLM 0.93 209 eP 21 26.82 -0.9
iS 21 39.91
SSK 1.14 272 iPc 21 30.55 -1.0
eS 21 45.77
GLA 1.67 132 ePn 21 37.55 -2.2
ePg 21 40.32
ISA 2.32 311 eP 21 51.25 2.1
5 obs. associated

• JUN 13, 1992 07h 31m 28.41± 0.80s
47.310 N ±18.4km 151.305 E ±14.6km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)
KURIL ISLANDS (221)

KUSJ 6.28 230 eP 33 00.40 -0.7
eS 34 05.30
ASAJ 6.85 245 eP 33 15.70 6.6X
MRRJ 8.75 240 eP 33 36.70 1.1
OFUJ 10.82 224 eP 33 58.90 -5.0X
eS 35 48.80
IMA 34.09 37 iP 38 11.88 0.2
0.5s 1.78nm 4.3mb
YKA 51.21 36 eP 40 29.50 -0.7
0.6s 0.80nm 3.9mb
GUN 53.73 273 P 40 49.60 -0.3
KKN 54.21 274 P 40 53.40 0.1
PKI 54.26 273 P 40 53.20 -0.6
DMN 54.44 274 P 40 55.00 -0.1
GKN 54.51 274 P 40 55.20 -0.2
HFS 67.49 339 eP 42 23.30 0.6
0.4s 1.10nm 4.3mb
WRA 68.66 197 P 42 49.50 19.1X
0.7s 0.50nm
ALQ 72.59 57 eP 42 54.80 0.4
S.D. = 0.6 on 11 of 14 obs.

? JUN 13, 1992 07h 41m 11.98± 0.93s
38.314 N ± 7.2km 15.810 E ± 9.7km
DEPTH = 10.0km (geophysicist)
SICILY (398)

SOI 0.31 141 Pc 41 18.40 0.0
eSg 41 23.10
ATN 0.31 241 P 41 18.50 0.0
eSg 41 22.70
CZI 0.94 16 P 41 29.10 -0.7
ACI 1.08 16 P 41 33.00 0.7
S.D. = 1.0 on 4 of 4 obs.

• JUN 13, 1992 08h 58m 27.75± 0.58s
4.772 S ± 9.0km 105.587 W ±13.6km
DEPTH = 10.0km (geophysicist)
4.8mb (11 obs.) 4.8Msz (13 obs.)
CENTRAL EAST PACIFIC RISE (694)
Mo=3.2*10**17 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 60C
Centroid Location:
Origin Time 08:58:30.4 0.4
Lat 4.77S 0.04 Lon 105.37W 0.04
Dep 15.0 FIX Half-duration 1.8
Moment Tensor; Scale 10**17 Nm
Mrr= 0.12 0.04 Mtt= 0.39 0.05
Mff=-0.51 0.06 Mrt= 0.00 0.00
Mrf= 0.00 0.00 Mtf= 1.30 0.05
Principal Axes:
T Val= 1.31 Plg= 0 Azm=144
N 0.12 90 180
P -1.43 0 54
Best Double Couple:Mo=1.4*10**17
NP1:Strike=189 Dip=90 Slip=-180
NP2: 279 90 0

ARE 35.40 112 eP 05 30.00 3.6X
ZOBO 38.48 110 P 05 53.00 0.2
Z 24s 0.93um 4.5MszX
S 12 00.00
LR 17 24.00
LPB 38.57 111 P 05 53.00 -0.3
LR 17 32.00
CNCB 38.74 111 eP 05 57.00 2.1
ANT 38.76 123 eP 05 48.60 -5.7X
ALQ 39.51 359 P 06 10.00 9.4X
Z 19s 0.98um 4.7Msz
MEO 39.89 9 iPd 06 03.10 -0.5
FKO 40.56 10 iPc 06 09.30 0.3
CCH 40.59 111 P 06 09.50 -0.4
OCO 40.80 10 e(P) 06 13.50 2.5
ACO 41.69 8 iPd 06 18.70 0.4
ISA 42.00 344 P 06 30.00 9.1X
Z 19s 2.25um 5.1Msz
BCH 42.02 342 (P) 06 22.02 0.9
OLY 42.20 17 eP 06 22.95 0.5
ARUT 42.97 351 eP 06 29.61 0.7
MSU 43.50 352 (P) 06 33.57 0.3
GRT 43.54 19 (P) 06 33.91 0.6
RTCB 43.55 132 iPd 06 33.30 -0.4
RTLL 43.71 132 ePd 06 34.00 -1.0
SRU 43.90 354 eP 06 37.71 1.2
CFA 44.02 132 eP 06 37.20 -0.3
GOL 44.25 0 (P) 06 39.44 0.0
1.0s 4.55nm 4.3mb
Z 22s 0.94um 4.7Msz
PRM 44.44 28 eP 06 40.03 -0.7
ARN 44.46 342 eP 06 41.77 0.8
CCM 44.64 16 eP 06 40.99 -1.3
1.0s 11.39nm 4.7mb
Z 21s 0.35um 4.3Msz
FVM 44.81 17 eP 06 43.81 0.1
1.0s 13.51nm 4.8mb
Z 18s 0.81um 4.7Msz
SIV 45.08 108 eP 06 51.00 4.8X
TKL 45.13 25 eP 06 45.38 -0.9
DUG 45.24 352 eP 06 47.99 0.8
1.9s 18.38nm 4.7mb
DAU 45.26 354 eP 06 47.72 0.1
SLM 45.47 17 P 07 00.00 11.1X
Z 18s 0.27um 4.2Msz
ORV 46.49 343 eP 06 56.28 -0.7
HVU 46.79 353 (P) 07 01.72 2.2
BW06 47.46 356 eP 07 04.80 -0.1
1.8s 19.10nm 4.9mb
CEH 47.47 29 P 07 10.00 5.3X
Z 20s 1.26um 4.9Msz
LBFM 48.26 344 ePc 07 10.42 -0.7
RSSD 48.69 1 eP 07 13.00 -1.4
1.3s 15.63nm 4.9mb
MCWV 50.17 26 P 07 30.00 4.4X
Z 21s 1.50um 5.0Msz
LRM 50.74 354 eP 07 29.70 -0.4
GMW 54.26 346 eP 07 55.95 -0.1
SES 55.15 356 eP 08 02.00 -0.6
PNT 55.23 349 eP 08 02.00 -1.3
ULM 55.44 8 eP 08 03.00 -1.7
HRV 56.28 30 P 08 20.00 9.2X
Z 20s 0.97um 4.9Msz
EEO 56.32 22 eP 08 10.50 -0.6
HON 57.53 299 P 08 30.00 9.9X
Z 20s 0.71um 4.8Msz
SIT 66.20 343 P 09 30.00 12.4X
Z 21s 1.28um 5.1Msz
YKA 67.43 355 eP 09 22.20 -3.2X
1.0s 5.10nm 4.7mb
PMR 74.16 340 eP 10 04.30 -1.7
1.3s 57.93nm 5.4mb
Z 21s 0.52um 4.8Msz
FBA 76.11 343 eP 10 16.27 -0.9
1.0s 13.44nm 5.0mb
MBC 81.29 357 eP 10 45.50 0.4
1.9s 28.00nm 5.0mb
SPA 85.26 180 eP 11 06.20 0.3
1.0s 6.00nm 4.8mb
SMY 87.91 323 P 11 30.00 11.2X
Z 21s 1.68um 5.4Msz
MAIO 145.75 22 ePKP 18 09.00 0.2
KMI 146.11 310 PKPd 18 16.50 6.6X
1.9s 80.00nm
SHI 147.75 37 ePKP 18 14.00 1.7
CHG 152.29 302 ePKP 18 26.10 6.8X
S.D. = 1.0 on 42 of 57 obs.

& JUN 13, 1992 09h 05m 16.42s
60.131 N 153.351 W
DEPTH = 15.4km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.8 (AEIC).

```
INW      0.13 120 iPc     05 20.35    0.1
INE      0.16 116 iPc     05 20.94    0.1
IVS      0.18 132 eP      05 21.42    0.2
                  eS      05 24.46
RED      0.41  45 iPc     05 24.74   -0.1
                  iS      05 30.48
RS2      0.45  41 iPc     05 25.43   -0.1
RSO      0.45  42 iPc     05 25.41   -0.2
REF      0.48  42 iPc     05 25.94   -0.3
PDB      0.55 231 ePc     05 26.65   -0.5
                  iS      05 33.73
DFR      0.57  35 iPc     05 27.24   -0.4
RDT      0.65  46 iPc     05 28.83   -0.1
                  eS      05 37.47
AUL      0.75 183 eP      05 32.02    1.3
                  S       05 42.97
AUH      0.77 184 eP      05 32.02    1.0
                  eS      05 43.14
AUP      0.77 183 eP      05 32.40    1.3
                  S       05 44.45
AUI      0.80 183 eP      05 31.28   -0.2
HOM      0.98 118 eP      05 34.68    0.1
NNL      1.03  94 eP      05 37.50    2.0
MCNL     1.07 208 ePc     05 36.39    0.2
BKG      1.08  29 iPc     05 36.13   -0.3
                  eS      05 50.86
CKL      1.18  25 iPc     05 37.98   -0.1
                  iS      05 53.13
CDD      1.21 187 eP      05 39.68    1.1
NKA      1.21  59 eP      05 40.65    2.1
CNPM     1.23 119 eP      05 39.61    0.8
                  eS      05 56.32
BGL      1.23  22 iPc     05 38.93    0.1
SPU      1.23  31 eP      05 38.67   -0.2
CKN      1.24  27 ePc     05 39.19    0.2
                  S       05 55.69
CPKM     1.26  25 (P)     05 39.31   -0.2
NCG      1.41  24 eP      05 41.87    0.4
SVW      1.49 312 eP      05 43.19    0.6
SLKM     1.60  75 eP      05 45.14    0.9
SUA      1.85  43 ePc     05 49.34    1.4
SKT      2.06  25 eP      05 52.35    1.5
PMS      2.17  57 eP      05 53.94    1.4
KDC      2.43 169 eP      05 58.65    2.6
PMR      2.53  53 eP      06 00.35    2.8
GHO      2.72  51 P       06 03.40    3.1
TTA      3.08 337 eP      06 06.73    1.3
      36 obs. associated
--------------------------------------------
% JUN 13, 1992  09h 32m 13.83± 0.50s
  38.379 N ± 4.8km   15.766 E ± 6.4km
  DEPTH =  11.2 ±  4.1 km
 SICILY                              (398)

MSI      0.24 223 P       32 19.70    0.7
                  eSg     32 24.90
ATN      0.32 228 Pd      32 21.00    0.4
                  eSg     32 26.00
SOI      0.38 143 Pc      32 20.80   -0.9
                  eSg     32 24.80
CZI      0.89  19 P       32 30.90    0.2
MNO      0.96 242 P       32 32.80    0.7
                  eSg     32 47.90
ACI      1.03  19 P       32 33.10    0.0
ROI      1.35  27 P       32 39.30    0.8
TDS      1.35  19 P       32 38.40   -0.2
                  eSg     32 55.50
GIB      1.43 255 P       32 39.30   -0.4
                  eSg     32 57.90
MEU      1.44 208 P       32 40.20    0.3
                  eSg     32 58.60
CSI      1.45  16 P       32 42.10    2.1
MGR      1.76 355 P       32 43.60   -0.8
                  eSn     33 06.90
ORI      1.76  17 P       32 44.00   -0.5
USI      2.06 280 P       32 47.00   -1.7
SGO      2.21 351 P       32 50.80    0.0
                  eSn     33 17.80
BRT      2.73  24 P       32 57.50   -0.9
                  eSn     33 29.50
     S.D. = 1.0  on  16 of  16 obs.
--------------------------------------------
  JUN 13, 1992  09h 48m 34.92± 0.46s
  47.217 N ± 5.0km   11.041 E ± 3.9km
  DEPTH =   5.0km  (geophysicist)
 AUSTRIA                             (546)
    MD 3.0 (LJU), ML 2.5 (VIE), 2.5
          (FUR).

SOTA     0.11  88 iPgc    48 37.10   -0.3
                  id      48 37.30
                  iSg     48 39.50
MOTA     0.13  18 iPgd    48 36.30   -1.5
                  iSg     48 38.60
OGA      0.35 182 iPgc    48 41.40   -0.6
WATA     0.38  72 iPgc    48 41.60   -1.0
                  iSg     48 48.00
WTTA     0.41  83 iPgc    48 42.50   -0.6
                  iSg     48 48.70
SCE      0.49 111 iPgd    48 44.00   -0.8
OSS      0.81 230 eP      48 49.00   -2.3
FUR      0.96   9 iPgc    48 54.20    0.5
CTI      1.24 160 P       48 58.20   -0.4
                  eSg     49 14.90
VDL      1.30 236 eP      48 58.00   -1.6
BHG      1.34  67 iPc     49 01.60    1.4
                  iS      49 22.60
FVI      1.35 117 P       48 59.90   -0.3
                  eSn     49 18.60
LLS      1.44 257 eP      49 02.10    0.2
KBA      1.58  94 iPnd    49 04.00    0.2
                  iPg     49 06.60
                  i       49 26.20
                  iSg     49 30.10
SLE      1.81 289 eP      49 07.30    0.2
ZLA      1.82 279 eP      49 08.00    0.8
TMA      1.86 234 eP      49 09.30    1.4
FEL      2.15 289 eP      49 13.73    1.6
WET      2.29  32 eP      49 12.90   -1.0
VOY      2.30 120 ePn     49 16.50    2.4
                  eSn     49 48.60
KHC      2.56  41 ePn     49 17.50   -0.3
                  Pg      49 24.00
                  Sn      49 47.00
                  eSg     49 59.00
CEY      2.77 121 e(Pn)   49 22.80    2.0
                  e(Sn)   49 59.30
     S.D. = 1.3  on  22 of  22 obs.
--------------------------------------------
• JUN 13, 1992  09h 58m 11.38± 1.00s
  28.045 S ± 6.8km   71.527 W ±16.9km
  DEPTH = 150.0 ± 31.1 km
 NEAR COAST OF CENTRAL CHILE         (135)

RTCB     4.17 146 iPc     59 15.10    0.4
RTLL     4.22 142 iPd     59 15.00   -0.3
                  S       00 01.00
ZON      4.28 145 eP      59 15.60   -0.5
ANT      4.44  13 iPc     59 18.20    0.1
CFA      4.56 142 ePd     59 19.60   -0.1
                  S       00 09.00
JACH     4.69 170 (P)     59 31.10    9.5X
                  iS      00 13.00
PEL      5.13 172 (P)     59 29.40    1.9
                  iS      00 22.80
FCH      5.37 169 iPc     59 31.50    0.6
                  iS      00 30.40
SAN      5.44 172 iPc     59 31.90    0.3
TACH     5.61 175 iPd     59 33.50   -0.3
                  iS      00 32.50
PCH      5.63 171 iPd     59 34.30    0.2
                  iS      00 32.40
LNV      5.89 179 iPc     59 36.00   -1.5
                  iS      59 37.90
CHCH     5.92 173 iPc     59 37.30   -0.6
CACH     6.11 173 iP      59 40.40   -0.2
ARE     11.53   0 eP      01 03.00   10.2X
                  eS      03 01.00
CNCB    11.65  17 eP      01 04.00    9.3X
LPB     11.89  16 (P)     01 09.00   11.4X
ZOBO    12.11  16 P       01 04.80    4.0X
                  LR      05 26.00
SIV     15.41  41 P       01 42.00   -0.1
     S.D. = 0.9  on  14 of  19 obs.
--------------------------------------------
• JUN 13, 1992  10h 00m 41.02± 0.36s
  32.280 S ± 9.1km   57.154 E ±10.8km
  DEPTH =  10.0km  (geophysicist)
  4.9mb ( 17 obs.)
 SOUTHWEST INDIAN RIDGE              (428)

BUL     28.22 288 iPc     06 34.50   -1.8
        1.0s     5.50nm          4.3mb
KRI     29.28 295 iPd     06 39.20   -6.6X
MAW     35.52 176 iPd     07 40.20    0.6
        1.0s     8.00nm          4.5mb
SNA     49.77 202 iPc     09 36.00    0.8
        0.9s    33.61nm          5.3mb
BCAO    51.75 308 iPc     09 51.20    0.2
        0.7s    12.00nm          4.9mb
HYB     53.50  26 eP      10 05.00    1.1
SPA     57.89 180 iPc     10 33.90   -1.5
        0.9s     8.64nm          4.8mb
CHTO    64.67  44 (P)     11 19.00   -2.4
DMN     65.23  27 P       11 24.60   -0.6
        1.0s    70.00nm          5.8mb
PKI     65.31  28 P       11 25.40   -0.4
GKN     65.40  27 P       11 25.40   -0.8
        0.8s    35.00nm          5.6mb
KKN     65.46  27 P       11 26.00   -0.6
GUN     65.80  28 P       11 28.40   -0.6
        0.8s    31.00nm          5.5mb
ASPA    67.03 104 eP      11 37.10    0.4
        1.4s     4.50nm          4.5mb
MAIO    68.26   2 eP      11 45.00    1.0
WRA     69.09 101 P       11 50.70    1.2
        0.7s     2.50nm          4.5mb
WB2     69.10 101 eP      11 50.40    0.8
        0.7s     4.40nm          4.8mb
SKO     80.86 334 eP      12 57.00    0.6
VRI     82.52 339 ePd     13 05.00    0.0
SPC     87.52 337 eP      13 31.20    1.1
ZST     87.77 334 eP      13 31.10    0.0
KBA     88.29 332 eP      13 34.00    0.2
        1.2s    11.40nm          5.1mb
OJC     88.55 337 eP      13 36.00    1.2
OBN     88.80 348 iPc     13 37.00    1.2
        1.2s    26.00nm          5.4mb
                  e       14 09.00
GEC2    89.59 333 P       13 38.10   -1.7
        0.9s     1.94nm          4.3mb
KHC     89.87 333 eP      13 41.00   -0.1
        1.1s     4.00nm          4.6mb
BRG     91.15 334 eP      13 49.00    2.1
        1.3s    11.00nm          5.0mb
GRF     91.23 332 iPc     13 49.00    1.7
        1.4s    18.00nm          5.2mb
FBA    143.93  18 ePKP    20 15.04   -2.4
LHS    145.01 285 ePKP    20 20.12   -0.1
BLA    145.01 290 ePKP    20 20.00   -0.2
NAV    145.31 290 ePKP    20 20.53   -0.2
JSC    145.35 285 iPKP    20 20.66   -0.1
SLKM   146.52  24 ePKP    20 22.58    0.6
KLU    147.16  20 ePKP    20 26.47    3.4X
FCC    147.20 332 ePKP    20 27.50    4.5X
YKA    149.31 353 ePKP    20 25.50   -0.8
        1.0s     5.00nm
CCM    153.61 291 iPKP    20 33.79    0.4
DAU    167.63 314 ePKP    20 47.18   -1.4
MSU    169.30 308 ePKP    20 50.34    0.7
     S.D. = 1.1  on  37 of  40 obs.
--------------------------------------------
• JUN 13, 1992  10h 33m 57.89± 0.58s
  10.271 N ± 7.2km  126.547 E ±13.1km
  DEPTH =  33.0km  (normal)
  4.6mb ( 10 obs.)
 PHILIPPINE ISLANDS REGION           (248)

PLP      1.78 300 ePc     34 27.70    0.9
                  iS      34 39.50
CGP      2.57 226 eP      34 38.00   -0.1
                  eS      35 08.00
NJ2     22.81 343 Pd      39 01.40    2.4
        1.0s    18.00nm          4.5mb
WHN     23.15 332 eP      39 02.50    0.2
XAN     28.65 328 P       39 53.00   -0.7
BJI     31.05 344 eP      40 19.00    4.1X
LZH     32.93 325 P       40 30.00   -1.7
        1.0s    16.00nm          4.9mb
ASPA    34.49 168 eP      40 45.70    0.6
        0.6s     2.80nm          4.4mb
WARB    36.24 180 eP      41 00.00    0.1
GTA     37.54 325 P       41 10.50   -0.4
        1.0s    11.00nm          4.7mb
                  pP      41 17.50   24kmX
                  sP      41 20.50
MRWA    40.56 194 eP      41 36.00    0.0
        0.6s     6.00nm          4.5mb
KEV     83.73 340 iP      46 25.00    0.5
KAF     85.75 332 eP      46 34.80    0.0
        0.8s     4.80nm          4.8mb
```

13d 10h

NUR 86.93 331 eP 46 40.20 -0.4
0.8s 9.00nm 5.1mb
HFS 92.17 333 eP 47 04.60 -0.7
0.5s 2.50nm 4.9mb
NB2 92.88 334 P 47 07.80 -0.8
0.8s 2.00nm 4.6mb
YKA 93.65 24 eP 47 12.10 0.1
0.6s 0.30nm 3.9mb
S.D. = 1.0 on 16 of 17 obs.

• JUN 13, 1992 10h 34m 34.30± 1.08s
9.711 N ±10.0km 83.935 W ±11.3km
DEPTH = 24.5 ± 9.5 km
3.5mb (1 obs.)
COSTA RICA (78)

LCR2 0.07 295 eP 34 37.35 -1.6
BUS 0.23 131 iPd 34 40.86 0.1
SJS 0.26 333 ePc 34 40.71 -0.1
eS 34 45.23
ICR 0.29 21 iPd 34 42.65 1.2
OCR 0.35 220 ePd 34 42.56 0.5
VCR 0.51 37 ePd 35 05.50 20.8X
eS 35 29.50
JCR 1.17 277 ePc 34 56.19 0.9
YKA 57.17 344 eP 44 20.20 -1.1
0.9s 0.50nm 3.5mb
S.D. = 1.5 on 7 of 8 obs.

JUN 13, 1992 10h 47m 54.67± 0.52s
38.733 N ± 4.3km 27.506 E ± 6.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.39 210 iPg 48 02.70 0.1
iSg 48 08.20
CIN 1.22 158 iPgc 48 17.00 -0.4
EZN 1.43 320 ePn 48 20.70 0.1
KHL 1.63 104 ePn 48 24.00 0.4
EDC 1.64 10 ePn 48 23.50 -0.1
KCT 1.65 23 iPn 48 23.30 -0.5
BNT 1.65 11 iPn 48 23.80 0.0
IZI 2.21 43 ePn 48 32.00 0.0
YLV 2.33 38 ePn 48 34.00 0.3
S.D. = 0.3 on 9 of 9 obs.

& JUN 13, 1992 11h 17m 44.52s
40.588 N 124.976 W
DEPTH = 18.9km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 2.7 (GM).

FHC 0.78 74 iPc 17 58.54 -0.8
eS 18 07.90
LBFM 2.46 71 eP 18 23.34 -1.2
ORV 2.86 110 eP 18 27.60 -2.4
eS 18 59.19
3 obs. associated

% JUN 13, 1992 12h 10m 58.85± 0.56s
42.530 N ± 4.0km 18.694 E ± 4.7km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 1.8 (TTG).

HCY 0.17 240 iPgc 11 02.55 -0.1
iSg 11 05.42
BDV 0.27 158 iPgd 11 04.73 0.3
iSg 11 09.10
NKY 0.36 38 iPgc 11 06.42 0.1
iSg 11 12.49
BRY 0.39 343 iPgd 11 06.70 -0.1
iSg 11 13.25
TTG 0.43 103 iPgd 11 07.23 -0.4
iSg 11 14.54
ULC 0.70 144 iPgd 11 12.75 0.0
iSg 11 22.67
PVY 0.95 86 iPgd 11 16.94 -0.1
iSg 11 31.28
IVA 0.95 69 iPgc 11 17.08 0.1
iSg 11 31.77
PLE 0.95 33 iPgd 11 17.24 0.2
iSg 11 31.77
S.D. = 0.2 on 9 of 9 obs.

% JUN 13, 1992 12h 23m 08.63± 0.60s
42.536 N ± 4.1km 18.662 E ± 5.2km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.7 (TTG).

HCY 0.15 234 iPgc 23 12.22 0.1
iSg 23 14.65
BDV 0.28 154 iPgc 23 14.34 -0.2
iSg 23 18.97
NKY 0.37 42 iPgc 23 16.09 -0.2
iSg 23 21.92
BRY 0.37 347 iPgc 23 16.21 -0.2
iSg 23 22.02
TTG 0.46 103 iPgd 23 17.67 -0.2
iSg 23 24.82
ULC 0.72 142 iPgc 23 22.81 0.0
iSg 23 33.27
PLE 0.96 34 iPgc 23 27.04 0.1
iSg 23 41.66
IVA 0.97 69 iPgc 23 27.39 0.2
iSg 23 41.97
PVY 0.97 86 iPgd 23 27.44 0.3
iSg 23 41.86
S.D. = 0.2 on 9 of 9 obs.

JUN 13, 1992 13h 06m 11.26± 0.46s
42.526 N ± 4.0km 18.687 E ± 3.9km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.5 (TTG).

HCY 0.16 241 iPgd 06 14.65 -0.3
iSg 06 17.30
BDV 0.26 157 iPgd 06 16.87 0.0
iSg 06 21.10
NKY 0.37 39 iPgc 06 18.53 -0.3
iSg 06 24.08
BRY 0.39 344 iPgc 06 18.62 -0.7
iSg 06 24.33
TTG 0.44 103 iPgc 06 19.65 -0.5
iSg 06 26.84
ULC 0.70 143 iPgc 06 24.93 -0.2
iSg 06 35.54
PVY 0.95 85 iPgc 06 29.55 0.1
iSg 06 43.90
IVA 0.96 68 iPgc 06 29.58 0.0
iSg 06 43.85
PLE 0.96 33 iPgd 06 29.39 -0.2
iSg 06 43.54
HVAR 1.77 292 ePn 06 41.90 -0.2
i(Sn) 07 04.10
SKO 2.12 104 ePn 06 48.00 0.8
PTJ 3.90 331 eP 07 13.90 1.3
S.D. = 0.6 on 12 of 12 obs.

% JUN 13, 1992 13h 33m 18.31± 0.57s
42.530 N ± 4.0km 18.668 E ± 4.8km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.8 (TTG).

HCY 0.15 237 iPgc 33 21.98 0.1
iSg 33 24.79
BDV 0.27 154 iPgc 33 24.13 0.0
iSg 33 28.66
NKY 0.37 41 iPgc 33 25.89 -0.1
iSg 33 31.94
BRY 0.38 346 iPgc 33 25.99 -0.2
iSg 33 32.47
TTG 0.45 103 iPgc 33 27.31 -0.2
iSg 33 34.42
ULC 0.71 142 iPgd 33 32.09 -0.3
iSg 33 42.52
PLE 0.96 33 iPgd 33 36.78 0.1
iSg 33 51.57
PVY 0.97 86 iPgd 33 37.07 0.3
iSg 33 51.69
IVA 0.97 69 iPgd 33 36.94 0.1
iSg 33 51.48
S.D. = 0.2 on 9 of 9 obs.

JUN 13, 1992 14h 06m 11.00± 1.66s
0.167 N ± 8.3km 98.651 E ± 8.7km
DEPTH = 75.7 ± 13.4 km
5.0mb (29 obs.)
NORTHERN SUMATERA, INDONESIA (706)

KLM 4.18 46 ePd 07 14.50 0.8
IPM 4.98 28 ePd 07 25.00 0.0
0.6s 93.90nm
e 07 55.50
e 08 53.00
KGM 5.02 68 ePc 07 25.80 0.4
0.8s 1558.90nm 6.3mb X
e 08 00.00
e 09 27.10
SNG 7.23 16 iPd 07 55.20 -1.0
1.1s 417.72nm 6.0mb X
eS 09 52.00
KHT 14.52 360 eP 09 39.50 5.4X
LOE 17.40 10 e(P) 10 10.00 -0.4
KKM 18.48 71 ePc 10 24.00 0.3
0.9s 119.10nm 5.1mb
CHG 18.53 1 ePd 10 23.00 -1.3
0.9s 46.22nm 4.7mb
TSM 19.64 78 eP 10 37.50 1.1
KMI 25.12 9 Pd 11 32.00 1.2
1.5s 50.00nm 4.7mb
SHL 26.08 346 iPd 11 39.90 0.3
1.0s 122.50nm 5.4mb
eS 16 12.70
HYB 26.18 312 eP 11 40.50 0.1
GYA 27.26 16 P 11 50.80 0.5
S 16 23.00
PKI 30.07 336 P 12 14.40 -1.3
GUN 30.18 337 P 12 16.00 -0.8
0.6s 32.00nm 5.2mb
DMN 30.23 336 P 12 17.00 0.0
0.8s 42.00nm 5.2mb
KKN 30.31 336 P 12 16.80 -1.0
0.8s 47.00nm 5.3mb
GKN 30.77 335 P 12 21.00 -0.7
0.8s 39.00nm 5.2mb
CD2 30.96 9 P 12 22.50 -0.7
1.0s 24.00nm 4.9mb
WHN 33.69 25 eP 12 47.00 0.0
XAN 35.05 15 iPc 12 58.60 0.0
1.0s 85.00nm 5.6mb
sP 13 13.00
LZH 36.06 7 eP 13 07.50 0.2
1.6s 58.00nm 5.3mb
Z 22s 0.26um 4.0Msz
PP 14 34.00
eS 18 41.00
SSE 37.46 33 Pc 13 19.30 0.5
0.7s 7.00nm 4.7mb
Z 16s 0.40um 4.3MszX
GTA 39.07 1 eP 13 33.00 0.6
1.5s 24.00nm 4.9mb
pP 13 40.80 26kmX
sP 13 44.00
TIY 39.47 17 eP 13 34.70 -1.0
WB2 40.27 122 iPd 13 40.60 -1.9
0.3s 10.60nm 5.2mb
iS 19 39.60
BTO 41.55 13 eP 13 55.00 2.2
FORT 41.56 140 eP 13 54.20 1.3
ASPA 41.62 127 iPc 13 52.30 -1.2
1.0s 11.30nm 4.7mb
eS 19 59.60
BJI 42.78 20 eP 14 04.00 1.3
1.5s 86.00nm 5.4mb
eS 20 24.00
DL2 43.93 26 eP 14 13.00 0.9
KSH 44.26 335 P 14 16.30 1.4
WMQ 44.55 349 P 14 18.50 1.4
1.0s 30.00nm 5.1mb
sP 14 31.50
SNY 47.18 25 eP 14 37.00 -0.8
sP 14 52.60
CN2 49.59 25 eP 14 55.00 -1.4
1.0s 12.00nm 4.9mb
epP 15 10.00 57kmX
CTA 50.75 116 eP 15 11.30 5.6X
0.9s 39.50nm 5.4mb
MAT 51.49 41 eP 15 09.00 -2.1
1.2s 14.06nm 4.9mb
STK 51.59 132 eP 15 11.50 -0.4
0.5s 2.90nm 4.6mb
e 18 19.90
TOO 57.20 136 e(P) 15 48.00 -4.7X
ARMA 58.76 126 eP 16 09.60 5.7X
OBN 74.23 328 ePc 17 41.00 -0.4
1.0s 35.00nm 5.2mb
i 17 47.00

```
                e        18 00.00
MLR     77.81 317 eP     18 03.00    1.0
BCAO    80.13 274 ePc    18 16.80    1.7
        1.0s    10.00nm           4.7mb
                id       18 22.10
OJC     82.74 321 eP     18 32.60    4.7X
SRO     83.38 318 eP     18 49.80   18.6X
ZST     84.23 318 i(P)   18 55.40   19.9X
GEC2    86.54 319 P      18 47.10    0.0
        0.9s     1.06nm           3.9mb X
KHC     86.64 319 eP     18 50.00    2.5X
                e        19 06.00
HFS     87.33 330 eP     18 51.00    0.5
        0.8s     3.60nm           4.6mb
     Z  16s      0.04um           3.9MszX
                LR       54 33.00
NB2     88.61 331 P      19 11.00   14.3X
        1.0s     2.00nm
CDF     90.79 318 eP     19 16.40    9.2X
LPG     91.22 315 eP     19 09.00   -0.5
        0.8s     4.15nm           4.8mb
LPL     91.23 315 eP     19 09.20   -0.3
        0.8s     3.65nm           4.8mb
LBF     93.08 317 eP     19 17.40   -0.3
        0.9s     2.80nm           4.7mb
LOR     93.14 317 eP     19 17.50   -0.5
        1.0s     5.60nm           4.9mb
TCF     94.34 316 eP     19 18.20   -5.3X
        1.1s     6.10nm           4.9mb
JSC    145.74 360 (PKP)  25 49.39    6.5X
PRM    145.92   2 ePKP   25 48.04    4.8X
ZOBO   159.35 219 ePKP   26 21.00   17.6X
     S.D. = 1.0  on  45 of  59 obs.
-----------------------------------------
& JUN 13, 1992  14h 12m 11.73s
   34.069 N            116.319 W
   DEPTH =   0.7km
 SOUTHERN CALIFORNIA                ( 43)
      <PAS-P>. ML 2.6 (PAS).

PEC      0.72 256 eP     12 25.07   -1.1
                eS       12 34.28
PLM      0.84 213 iP     12 27.71   -0.9
                eS       12 39.50
SSK      1.15 277 eP     12 33.31   -0.9
                eS       12 49.56
GLA      1.61 129 ePn    12 40.49   -0.9
        4 obs. associated
-----------------------------------------
& JUN 13, 1992  14h 12m 28.44s
   62.486 N            150.683 W
   DEPTH =  70.6km
 CENTRAL ALASKA                     (  1)
      <AEIC>.

CUT      0.21 113 iP     12 38.67   -0.6
SKT      0.64 218 iP     12 42.61   -0.4
                eS       12 53.69
HUR      0.69  44 eP     12 42.43   -1.1
                S        12 53.52
PWA      0.92 155 P      12 45.40   -0.8
                S        13 01.20
TRF      0.99  10 iP     12 46.40   -0.8
                eS       13 00.58
SUA      1.03 182 iP     12 47.18   -0.5
                eS       13 02.46
KTH      1.08 354 eP     12 47.82   -0.5
                eS       13 02.40
GHO      1.09 130 iP     12 47.65   -0.9
                eS       13 02.65
PLRM     1.16 140 iP     12 48.32   -0.9
                eS       13 05.10
RND      1.25  41 eP     12 49.15   -1.4
NCG      1.29 213 eP     12 50.60   -0.5
                iS       13 08.23
SML      1.30 121 eP     12 50.27   -0.9
                eS       13 08.27
PMS      1.35 156 eP     12 51.38   -0.5
                eS       13 08.37
CPKM     1.43 212 eP     12 53.09    0.0
CKN      1.45 210 eP     12 52.99   -0.2
SPU      1.46 207 eP     12 52.78   -0.6
BGL      1.47 214 eP     12 53.68    0.2
KNK      1.51 135 eP     12 53.11   -0.8
                eS       13 13.01
CKL      1.51 212 eP     12 54.23    0.1
BKG      1.61 209 eP     12 54.79   -0.6

SCM      1.71 111 eP     12 55.45   -1.3
NKA      1.77 189 eP     12 59.81    2.3
RDT      2.09 204 eP     13 02.03    0.1
DFR      2.13 208 eP     13 02.60    0.0
TOA      2.14  98 eP     13 01.96   -0.7
REF      2.23 207 eP     13 04.15    0.2
RS2      2.26 207 eP     13 04.75    0.3
RSO      2.26 207 eP     13 04.77    0.3
RS1      2.26 207 eP     13 04.39   -0.1
RED      2.30 207 eP     13 04.85   -0.1
WRH      2.31  29 iP     13 03.05   -1.9
SDG      2.39  87 eP     13 04.86   -1.2
PAX      2.45  76 eP     13 06.29   -0.7
KLU      2.46 112 iP     13 04.89   -2.2
VLZ      2.47 121 eP     13 05.02   -2.2
TTA      2.50 283 P      13 06.90   -0.7
TZL      2.50  98 eP     13 06.71   -0.9
HDA      2.55  39 eP     13 06.48   -1.9
MLY      2.56 359 iP     13 07.05   -1.4
MDM      2.71  23 iP     13 08.67   -1.9
FBA      2.74  27 eP     13 08.98   -2.0
GLM      2.91  29 eP     13 11.38   -2.0
CNPM     2.98 185 eP     13 14.28   -0.1
GLB      3.41 105 eP     13 17.87   -2.5
        44 obs. associated
-----------------------------------------
? JUN 13, 1992  14h 48m 59.35± 1.45s
   37.276 N ±53.3km   71.588 E ±51.1km
   DEPTH =  33.0km  (normal)
   4.1mb (  5 obs.)
 AFGHANISTAN-TAJIKISTAN BORD REG.(717)

GKN     14.35 126 P      52 22.20   -0.1
KKN     14.91 125 P      52 28.60   -1.1
        0.6s    22.00nm           4.7mb
DMN     14.92 126 P      52 30.20    0.3
PKI     15.15 126 P      52 32.60   -0.2
        0.8s    32.00nm           4.6mb
GUN     15.23 124 P      52 35.00    1.1
HFS     42.75 321 eP     56 54.90    0.0
        0.4s     0.80nm           3.8mb
NB2     44.05 323 P      57 05.50    0.1
        0.7s     1.20nm           3.8mb
YKA     80.45   3 eP     01 08.60   -0.1
        0.4s     0.20nm           3.5mb
     S.D. = 0.7  on   8 of   8 obs.
-----------------------------------------
% JUN 13, 1992  14h 49m 41.87± 0.70s
   38.344 N ± 6.3km   15.807 E ± 7.0km
   DEPTH =  10.0km  (geophysicist)
 SICILY                             (398)

MSI      0.24 235 P      49 47.50    0.5
                eSg      49 50.80
ATN      0.33 236 Pd     49 48.60   -0.1
                eSg      49 52.90
SOI      0.33 144 Pc     49 48.70   -0.1
                eSg      49 52.20
CZI      0.91  16 P      49 58.90   -0.3
MNO      0.97 245 P      50 00.00   -0.4
TDS      1.38  17 P      50 07.50    0.4
                eSg      50 26.50
     S.D. = 0.5  on   6 of   6 obs.
-----------------------------------------
  JUN 13, 1992  14h 49m 43.46± 0.55s
   38.817 N ± 4.8km   27.752 E ± 7.1km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                             (366)

IZM      0.57 223 iPg    49 54.50   -0.5
                iSg      50 04.50
CIN      1.24 168 ePg    50 07.00    0.5
                iSg      50 23.00
KHL      1.47 109 ePn    50 10.00   -0.1
EZN      1.50 313 ePn    50 10.70    0.4
KCT      1.50  18 iPn    50 10.70    0.2
EDC      1.53   3 ePn    50 10.50   -0.3
BNT      1.54   5 iPn    50 11.20    0.2
IZI      2.02  41 ePn    50 17.70   -0.3
     S.D. = 0.4  on   8 of   8 obs.
-----------------------------------------
  JUN 13, 1992  15h 18m 41.15± 0.20s
   32.992 N ± 3.7km  141.479 E ± 3.8km
   DEPTH =  56.6km  ( 15 depth phases)
   5.2mb ( 49 obs.)
 SOUTH OF HONSHU, JAPAN             (211)
      CENTROID, MOMENT TENSOR       (HRV)

   Data Used: GDSN
   L.P.B.: 25S, 39C
   Centroid Location:
   Origin Time          15:18:37.4 0.6
   Lat 32.59N 0.07 Lon 142.16E 0.07
   Dep  15.0 FIX Half-duration  1.6
   Moment Tensor;   Scale 10**16 Nm
     Mrr= 7.09 0.39  Mtt= 1.01 0.57
     Mff=-8.09 0.44  Mrt= 0.29 1.58
     Mrf= 7.56 1.85  Mtf=-3.05 0.44
    Principal Axes:
     T  Val= 10.30  Plg=66  Azm=256
     N        1.58      10       10
     P      -11.88      21      104
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=212 Dip=25 Slip= 114
    NP2:         5     67        79

KAKJ     3.38 342 P      19 30.60   -2.0
                eS       20 10.90
CHJJ     3.67 327 P      19 35.00   -1.8
                eS       20 23.80
IIDJ     3.86 311 P      19 40.60    1.2
MAT      4.45 324 iPc    19 47.00   -0.6
                eS       20 40.00
MTMJ     4.69 321 P      19 51.00   -0.1
NIIJ     4.70 335 P      19 48.90   -2.3
SHK      7.49 284 eP     20 32.00    1.8
MDJ     14.83 325 eP     22 06.00   -2.9
        1.0s    18.00nm           4.3mb
     Z  12s      8.43um           4.5Msz
     N  15s      7.41um
     E  14s      3.12um
                S        24 57.00
                sS       25 04.00
CN2     16.53 315 eP     22 29.00   -1.6
        1.0s    26.00nm           4.3mb
     Z  16s      9.26um           4.0MszX
     N  12s      2.35um
     E  12s      5.67um
                epP      22 40.00
                eS       25 30.00
SNY     16.71 307 iPc    22 32.00   -0.8
        2.0s   270.00nm           5.0mb
     Z  16s      8.58um           4.9MszX
     N  15s      2.88um
     E  14s      5.88um
                PP       22 46.30
                S        25 32.00
DL2     17.11 296 Pc     22 38.00    0.2
     Z  14s     11.10um
     N  15s      4.83um
     E  12s     13.50um
                eS       25 48.00
SSE     17.31 269 P      22 40.50    0.2
        1.0s    27.00nm           4.4mb
     Z  15s      8.30um           4.7MszX
     E  11s      3.80um
NJ2     19.10 273 Pd     23 02.00   -0.1
        1.2s    31.00nm           4.4mb
     N  13s      5.37um
     E  14s      5.05um
TATO    19.21 251 eP     23 03.00   -0.3
        2.3s  1189.19nm           5.7mb
GUMO    19.56 170 Pn     23 06.20   -1.0
        1.3s   664.00nm           5.8mb
     Z  21s      2.30um           4.6MszX
                eS       26 44.20
PJG     19.56 170 Pn     23 06.50   -0.7
GUA     19.62 170 Pn     23 06.70   -1.1
        0.8s   274.63nm           5.6mb
                pP       23 19.30   60km
TIA     20.29 286 P      23 13.90   -0.8
     Z  16s     18.10um           5.5MszX
     N  13s      4.85um
     E  14s     12.20um
                sP       23 30.00
BJI     21.48 296 eP     23 24.00   -2.7
        1.5s    86.00nm           4.9mb
     Z  16s      4.96um           5.0MszX
     N  13s      3.20um
     E  11s      1.80um
                ePP      23 52.00
OZH     21.54 254 eP     23 22.00   -5.4X
     E  14s      3.03um
                PP       23 46.00
                S        27 14.00
```

13d 15h

WHN		23.17	271	eP	23 44.00	0.5
		1.5s	100.00nm			5.0mb
	Z	12s	7.59um			5.4MszX
	N	13s	5.36um			
	E	14s	2.45um			
				sP	23 58.00	
PIP		23.74	237	eP	23 50.00	1.0
TIY		24.10	289	Pc	23 52.00	-0.6
	Z	16s	12.90um			5.5MszX
	E	14s	9.81um			
MHC		25.08	297	Pc	24 03.00	1.1
		1.4s	280.00nm			5.6mb
	Z	15s	7.79um			5.3MszX
	N	14s	2.72um			
	E	14s	3.95um			
BTO		26.21	296	iPd	24 13.00	0.6
		1.0s	55.00nm			5.1mb
	N	14s	7.45um			
	E	15s	7.17um			
HKC		26.36	253	P	24 14.00	0.3
GZH		26.65	255	P	24 16.00	-0.4
	Z	18s	3.15um			4.9Msz
	N	12s	1.31um			
	E	13s	2.60um			
XAN		27.11	281	Pc	24 19.60	-1.0
		1.5s	82.00nm			5.1mb
	N	14s	3.89um			
	E	14s	6.28um			
				sP	24 42.00	
SMY		30.61	40	P	25 00.00	8.3X
	Z	19s	4.60um			5.1Msz
GYA		30.83	267	iPc	24 54.00	-0.1
		1.0s	130.00nm			5.6mb
	N	14s	3.65um			
	E	14s	2.21um			
				S	29 54.00	
LZH		31.03	286	Pc	24 55.00	-0.8
		2.0s	120.00nm			5.3mb
	Z	14s	7.26um			5.5MszX
	E	12s	4.41um			
				sP	25 16.00	
QIZ		31.51	252	eP	24 57.00	-3.0
	N	15s	2.20um			
CD2		31.96	277	P	25 02.60	-1.3
		1.2s	90.00nm			5.5mb
	Z	16s	14.30um			5.7MszX
	N	13s	11.60um			
				PcP	27 49.00	
				S	30 09.00	
				PcS	31 36.00	
GTA		34.00	293	iPc	25 21.50	-0.1
		1.2s	98.00nm			5.6mb
	Z	15s	6.09um			5.5MszX
	E	13s	3.22um			
				pP	25 31.00	32kmX
				sP	25 34.00	
				S	30 40.00	
				sS	30 56.00	
				ScS	35 41.20	
KMI		34.61	267	Pd	25 26.50	-0.6
		2.5s	100.00nm			5.3mb
	Z	20s	4.40um			5.2Msz
	N	11s	1.80um			
	E	14s	4.80um			
				pP	25 38.00	42kmX
				sP	25 41.00	
				PP	26 48.00	
				S	30 42.00	
				iS	30 50.00	
RAB		38.34	163	e(P)	25 45.00	-13.3X
LOE		38.92	256	eP	26 02.90	-0.3
CHG		40.51	260	ePc	26 16.10	-0.2
		1.3s	23.56nm			4.8mb
WMQ		42.83	301	iPc	26 36.80	1.6
		2.0s	150.00nm			5.4mb
	Z	15s	3.89um			5.4MszX
	E	13s	4.64um			
				pP	26 50.00	49km
				PP	28 18.00	
				PcP	28 26.50	
				PcS	32 17.00	
				S	33 01.00	
				ScS	36 34.00	
SHL		43.56	274	iPc	26 41.10	-0.4
				iS	33 12.00	
SDN		45.65	43	P	27 10.00	12.5X
	Z	19s	0.78um			4.7Msz
MTN		46.64	194	eP	27 04.00	-1.7
IPM		47.12	242	ePd	27 10.30	0.6
KGM		47.21	237	ePd	27 11.10	0.8
GUN		47.74	279	P	27 14.40	-0.4
PKI		48.25	279	P	27 17.80	-1.0
KKN		48.28	279	P	27 18.60	-0.2
DMN		48.48	279	P	27 19.80	-0.7
GKN		48.73	280	P	27 22.00	-0.3
TTA		48.75	33	ePc	27 21.38	-0.4
KNA		49.97	196	eP	27 31.20	-0.3
BRW		50.12	22	ePd	27 31.28	-0.8
IMA		50.17	29	eP	27 33.26	0.5
		1.5s	25.72nm			5.0mb
				epP	27 47.73	55km
PMR		51.87	35	eP	27 43.39	-2.1
		1.4s	32.40nm			5.2mb
	Z	19s	1.15um			4.9Msz
KSH		52.20	297	P	27 50.20	1.7
	Z	14s	4.79um			5.7MszX
	N	14s	2.35um			
	E	14s	3.39um			
				pP	28 04.00	51km
FBA		52.52	30	eP	27 50.47	0.1
		0.7s	14.12nm			5.1mb
WB2		53.08	188	iPc	27 53.50	-1.4
		0.6s	22.20nm			5.4mb
				eS	35 25.80	
WRA		53.08	188	P	27 54.30	-0.6
		0.6s	12.70nm			5.1mb
QIS		53.28	182	eP	27 55.00	-1.4
KLU		53.41	35	eP	27 55.76	-1.3
HON		54.44	86	P	28 20.00	14.9X
	Z	20s	1.42um			5.0Msz
NDI		54.59	284	iPc	28 07.20	1.1
ASPA		56.80	188	iPc	28 20.50	-1.5
		0.6s	18.40nm			5.3mb
				eS	36 09.60	
MBL		57.68	204	iPc	28 27.80	-0.3
HYB		58.24	271	eP	28 33.00	0.7
				eS	36 40.00	
SIT		59.45	39	P	28 50.00	9.9X
	Z	21s	2.56um			5.3Msz
RMQ		59.55	172	eP	28 42.00	0.9
DZM		59.72	153	iPc	28 44.00	1.6
MBC		60.39	16	eP	28 46.50	0.2
		1.5s	32.00nm			5.2mb
NANU		60.54	208	eP	28 48.00	0.1
POO		61.66	275	iPc	28 58.20	2.4
QUE		62.27	289	eP	29 01.20	1.3
				eS	37 26.50	
MEEK		63.16	203	eP	29 04.00	-1.4
ARMA		63.79	170	eP	29 10.00	0.4
CMS		64.26	176	eP	29 12.00	-0.5
STK		64.52	180	eP	29 15.40	1.2
		0.8s	3.00nm			4.3mb
MAIO		65.54	298	iPc	29 22.00	1.0
				eS	38 12.00	
COOL		66.38	199	eP	29 26.00	-0.2
		1.0s	28.00nm			5.2mb
MRWA		66.42	204	eP	29 26.00	-0.5
		0.6s	13.00nm			5.1mb
KEV		67.24	340	eP	29 31.00	-0.2
YKA		67.29	29	eP	29 29.50	-2.1
		1.1s	8.30nm			4.7mb
BAL		67.46	203	eP	29 33.00	0.0
		1.0s	53.00nm			5.5mb
ADE		67.65	182	eP	29 36.00	1.9
MUN		68.88	203	eP	29 42.00	0.2
NWAO		69.43	202	eP	29 45.00	-0.2
		1.0s	40.00nm			5.3mb
DAG		69.81	355	ePd	29 46.50	-0.4
		0.6s	10.00nm			4.9mb
GMW		70.02	46	eP	29 48.92	0.2
				epP	30 05.71	61km
TOO		70.30	177	e(P)	29 45.00	-5.4X
SHW		70.98	47	eP	29 54.33	-0.4
PNT		71.06	43	eP	29 55.00	0.0
OBN		71.37	324	iPc	29 57.20	0.5
		1.5s	70.00nm			5.4mb
	Z	18s	3.00um			5.6Msz
	N	18s	2.40um			
	E	18s	2.00um			
				iPcP	30 12.00	142kmX
				i	30 32.00	
				ePSP	32 36.00	
				ePP	34 15.00	
				iS	39 14.00	
				eScS	40 00.00	
				eSS	43 50.00	
				e	44 42.00	
				eSSS	47 10.00	
				LR	57 00.00	
KAF		71.93	333	iP	29 59.90	-0.1
		1.1s	21.80nm			5.0mb
DPW		72.58	44	eP	30 03.96	-0.2
				epP	30 19.45	55km
LBFM		73.53	51	eP	30 09.67	-0.3
NUR		73.54	333	iP	30 09.60	0.2
		0.9s	14.40nm			4.9mb
				e	39 38.00	
SHI		73.74	295	eP	30 12.00	0.7
LTCM		73.93	52	(P)	30 10.98	-1.1
ORV		74.67	53	eP	30 15.43	-1.0
				epP	30 31.78	59km
SES		75.24	39	eP	30 19.00	-0.5
		1.7s	139.00nm			5.6mb
				pP	30 35.00	57km
UPP		76.61	334	iP	30 26.90	0.0
				iS	40 12.00	
LRM		77.01	44	ePd	30 29.60	-0.2
FCC		77.59	26	eP	30 35.00	2.6X
HFS		77.79	336	eP	30 33.50	0.0
		1.6s	76.40nm			5.5mb
	Z	18s	1.44um			5.3Msz
				LR	04 22.00	
NB2		77.93	338	P	30 34.80	0.5
		1.1s	15.30nm			4.9mb
ISA		78.75	55	P	30 50.00	10.7X
	Z	20s	1.43um			5.3Msz
HVU		79.10	47	eP	30 40.91	-0.3
DUG		79.97	48	eP	30 45.69	-0.3
		1.1s	19.35nm			4.9mb
				epP	31 01.91	58km
WAR		80.48	327	eP	30 50.00	1.9
	Z	19s	5.00um			5.9Msz
				eS	40 55.00	
KAS		80.54	313	eP	30 51.00	2.2
PEC		80.61	56	eP	30 48.63	-0.7
		0.8s	5.14nm			4.5mb
DAU		80.82	48	eP	30 51.02	0.4
				epP	31 07.60	59km
ARUT		80.94	51	eP	30 51.14	0.0
				epP	31 06.73	55km
MSU		81.34	50	eP	30 53.00	-0.3
COP		81.56	334	eP	30 56.00	2.3
	Z	19s	0.90um			5.1Msz
				iS	41 07.00	
VRI		81.85	320	ePd	30 50.50	-5.0X
SRU		82.04	48	ePd	30 56.27	-0.6
				ipP	31 12.54	58km
BBTK		82.06	313	iP	31 08.00	11.2X
MUD		82.14	336	eP	31 14.30	17.6X
OJC		82.43	327	eP	31 00.30	1.9
	Z	15s	1.20um			5.4MszX
				e	31 16.00	55km
				eS	41 14.00	
MLR		82.51	320	eP	31 01.00	1.9
GLA		82.70	55	(P)	31 00.63	0.4
ULM		82.85	33	eP	31 02.50	1.9
SPC		82.93	326	eP	31 02.80	1.5
TNR		83.29	321	ePc	31 06.00	3.0X
BHL		83.67	306	P	31 04.00	-1.2
				SKS	41 26.00	
PSZ		83.98	325	iP	31 05.70	-0.8
HRI		83.98	306	eP	31 13.60	6.8X
BRG		84.56	330	iP	31 10.00	0.8
		1.5s	25.00nm			5.1mb
				i	31 28.00	68kmX
				e	31 37.30	
				e	34 26.00	
				e	34 40.00	
				eS	41 36.00	
CSS		84.60	308	eP	31 11.00	1.2
CLL		84.62	330	iPc	31 10.20	0.7
		1.7s	51.00nm			5.3mb
				e	31 27.00	60km
				eS	41 34.00	
SRO		84.81	325	eP	31 11.70	1.2
				e	34 42.40	
GOL		84.84	45	eP	31 12.90	1.7
		1.6s	44.92nm			5.3mb
	Z	19s	0.95um			5.2Msz
GLD		84.90	45	P	31 20.00	8.6X
	Z	19s	0.95um			5.2Msz

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JVI     85.03 305 eP      31 18.30   6.3X
ZST     85.11 326 eP      31 13.60   1.6
                  e       34 40.90
UZD     85.55 324 e(P)    31 15.00   0.8
MOX     85.70 331 iPd     31 17.00   2.0
        1.7s     33.00nm          5.2mb
WIT     85.92 334 eP      31 18.00   2.0
KHC     86.01 329 P       31 17.40   0.8
        1.4s     13.20nm          4.9mb
     Z  16s       2.00um          5.6MszX
     N  14s       1.00um
     E  14s       1.70um
                  e       31 44.00 101kmX
                  e       34 37.60
                  S       41 52.00
GEC2    86.17 328 PKP     31 15.60  -1.9
        0.9s      1.37nm          4.2mb X
GRF     86.59 330 iPc     31 20.60   1.2
        1.6s     32.00nm          5.3mb
MBH     86.62 303 eP      31 25.70   5.7X
ALO     87.15  50 P       31 30.00   7.3X
     Z  20s       1.36um          5.4Msz
SKO     87.29 320 eP      31 16.50  -6.4X
     Z  18s       1.99um          5.6Msz
                  e       31 46.50 115kmX
                  LR      15 12.00
CEY     88.15 326 e(P)    31 27.00   0.0
MEO     92.15  46 iPd     31 47.30   1.5
CCM     93.97  39 (P)     31 55.10   1.0
        1.2s     14.15nm          5.3mb
     Z  21s       0.51um          5.0Msz
                  (pP)    32 11.32   56km
HRV     98.98  24 P       32 30.00  13.2X
     Z  19s       0.43um          5.0Msz
CEH    101.66  33 Pdiff   32 40.00  11.2X
     Z  20s       0.69um          5.2Msz
ZOBO   148.51  65 PKP     38 26.00   5.4X
LPB    148.69  66 PKP     38 28.00   7.4X
CNCB   148.94  66 PKP     38 26.30   5.1X
CCH    150.69  65 ePKP    38 31.00   7.5X
SIV    153.49  56 PKP     38 37.20  10.0X
     S.D. = 1.2  on 128 of 154 obs.
--------------------------------------
   JUN 13, 1992  15h 40m 05.41± 0.29s
   28.945 N ± 6.5km   82.927 E ± 4.0km
   DEPTH =  32.9km  (  2 depth phases)
   4.6mb ( 38 obs.)  4.9Msz (  2 obs.)
 NEPAL                           (310)
     ML 5.0 (NDI).

NDI      5.02 268 iPd     41 20.80   0.4
                  iS      42 17.00
SHL      8.65 111 iPc     42 08.50  -3.0
                  iS      43 52.50
KSH     11.95 333 P       42 55.60  -0.9
HYB     12.16 200 eP      42 56.00  -3.3X
                  eS      45 04.00
POO     13.28 221 eP      43 15.00   0.8
                  iS      45 31.80
BOM     13.61 225 eP      43 31.30  12.8X
                  iS      45 31.80
QUE     13.96 279 eP      43 19.50  -3.8X
WMQ     15.33  13 P       43 43.20   2.2
GTA     17.41  49 eP      44 06.00  -1.5
                  pP      44 11.00
CHG     17.76 121 eP      44 10.00  -1.9
KMI     18.05  98 Pd      44 16.50   0.8
        1.0s     50.00nm          4.6mb
                  pP      44 21.30
CD2     18.16  79 P       44 17.20   0.4
LZH     19.00  63 eP      44 26.50  -0.6
        1.5s     20.00nm          4.1mb
KHT     20.21 131 eP      44 40.70   0.3
LOE     20.72 120 eP      44 45.50  -0.1
MAIO    21.02 296 eP      44 48.00  -0.7
GYA     21.16  91 iPc     44 50.00  -0.2
        0.8s    180.00nm          5.5mb
XAN     22.71  70 eP      45 04.50  -1.1
BTO     25.01  55 eP      45 29.90   2.1
TIY     26.08  63 eP      45 39.90   2.1
HHC     26.20  55 P       45 42.00   3.0X
OIZ     26.44 106 eP      45 42.20   1.0
WHN     27.29  79 eP      45 54.50   5.7X
BJI     29.40  59 eP      46 08.50   0.7
SSE     33.09  77 P       46 43.00   2.6X
SNY     35.23  58 eP      47 00.80   2.1
CN2     36.89  55 eP      47 13.20   0.5
        1.0s     20.00nm          4.9mb
                  epP     47 22.00   30km
DSI     40.90 286 eP      47 48.90   2.7X
PRNI    41.44 284 eP      47 53.00   2.3
KAS     41.55 301 eP      47 53.00   1.5
SAGI    41.75 284 eP      47 55.30   2.1
OBN     42.11 322 iPc     47 56.50   0.7
        1.0s     28.00nm          4.9mb
                  e       48 07.00   36km
                  e       49 35.00
VRI     46.76 307 ePd     48 34.50   1.2
KAF     49.33 329 iP      48 53.20   0.1
        0.7s      3.30nm          4.5mb
NUR     49.73 327 eP      48 56.20   0.1
        0.3s      1.80nm          4.6mb
KEV     51.51 338 eP      49 09.00  -0.6
UPP     53.09 325 iP      49 20.90  -0.7
HFS     55.08 325 eP      49 35.00  -1.2
        0.6s      8.10nm          4.9mb
BRG     55.13 314 iP      49 36.70   0.0
GEC2    55.47 311 P       49 38.30  -1.0
        0.5s      1.10nm          4.1mb
KHC     55.52 312 eP      49 39.00  -0.6
NB2     56.33 326 P       49 43.80  -1.4
        0.7s      2.70nm          4.4mb
GRB5    56.76 312 eP      49 48.50   0.0
        0.8s      6.00nm          4.7mb
CDF     59.75 312 eP      50 09.40   0.0
        0.6s      1.70nm          4.4mb
BSF     60.18 311 eP      50 11.90  -0.4
        0.6s      3.50nm          4.7mb
HAU     60.44 311 eP      50 13.50  -0.5
        0.5s      3.30nm          4.7mb
     Z  17s       0.65um          4.8MszX
LPG     60.69 308 eP      50 16.00  -0.1
        0.4s      5.05nm          5.0mb
LPL     60.70 308 eP      50 16.10   0.1
        0.6s     13.00nm          5.2mb
LBF     62.23 311 eP      50 25.10  -1.1
        0.4s      0.95nm          4.3mb
LOR     62.24 311 eP      50 26.10  -0.1
        0.4s      0.65nm          4.1mb
     Z  18s       0.63um          4.8Msz
SMF     62.40 310 eP      50 26.40  -0.9
        0.3s      0.70nm          4.3mb
AVF     62.69 310 eP      50 28.30  -0.8
        0.5s      1.95nm          4.5mb
TCF     63.58 310 eP      50 34.80  -0.3
        0.4s      1.90nm          4.6mb
LSF     64.05 310 eP      50 37.40  -0.7
        0.4s      2.70nm          4.7mb
LDF     64.50 313 eP      50 40.30  -0.7
        0.6s      4.70nm          4.8mb
EKA     64.58 321 Pc      50 40.70  -0.7
        0.7s      2.60nm          4.4mb
FLN     64.69 313 eP      50 41.20  -1.0
        0.5s      3.45nm          4.7mb
     Z  21s       0.85um          4.9Msz
LPO     64.71 309 eP      50 42.40   0.0
        0.5s      2.85nm          4.6mb
LFF     64.94 309 eP      50 44.00   0.1
        0.4s      4.00nm          4.9mb
GRR     65.03 313 eP      50 43.60  -0.8
        0.5s      4.45nm          4.8mb
MFF     65.06 311 eP      50 43.90  -0.8
        0.5s      4.45nm          4.8mb
LPF     65.25 313 eP      50 45.40  -0.4
        0.5s      2.85nm          4.6mb
BCAO    65.50 261 iPd     50 48.00   0.0
        0.6s     11.00nm          5.1mb
WRA     69.45 128 P       51 12.90   0.2
        0.7s      1.40nm          4.1mb
WB2     69.46 128 iPd     51 12.60  -0.2
        0.5s      4.40nm          4.8mb
BUL     71.60 234 iPc     51 35.80   9.8X
        1.0s      5.00nm          4.5mb
ASPA    71.71 131 eP      51 27.20   0.8
        0.3s      3.20nm          4.8mb
MBC     74.13   5 eP      51 41.00   1.3
IMA     75.95  21 eP      51 50.54   0.0
        0.7s      2.09nm          4.2mb
CTA     78.15 121 eP      52 11.20   8.0X
        0.6s     15.00nm          5.2mb
KIC     84.93 274 (P)     52 41.00   2.1
TIC     85.04 275 (P)     52 41.20   1.7
YKA     87.80   8 eP      52 51.90  -0.3
        0.7s      1.50nm          4.4mb
SIV    144.47 283 PKP     59 40.40  -0.3
ZOBO   150.55 289 ePKP    59 49.00  -2.2
LPB    150.65 289 ePKP    00 01.00  10.0X
CNCB   150.69 288 PKP     59 59.00   7.7X
     S.D. = 1.1  on  66 of  77 obs.
--------------------------------------
   JUN 13, 1992  15h 59m 02.91± 0.72s
   36.595 N ± 5.5km   5.663 W ± 8.7km
   DEPTH =  10.0km  (geophysicist)
 STRAIT OF GIBRALTAR             (385)
     mbLg 3.9 (MDD). MD 3.5 (RBA).

EJIF     0.21 133 iPgd    59 09.61   2.1
EPRU     0.51  43 iPgc    59 15.04   1.8
NKM      1.16 170 iPg     59 26.50   1.9
                  iSg     59 41.00
                  i       59 45.50
EHOR     1.27  15 iPnd    59 28.23   1.8
                  eSn     59 45.30
EVAL     1.31 319 iP      59 27.70   0.5
                  eS      59 45.20
ELUQ     1.47  49 iPnc    59 28.83  -0.7
                  eSn     59 47.40
EGUA     1.70  81 eP      59 31.12  -1.7
                  eS      59 51.60
ECOG     1.81  67 ePn     59 33.74  -0.8
EBAN     2.17  43 ePn     59 39.90   0.4
                  eSn     00 04.10
IFR      3.10 172 iPg     59 52.00  -1.0
                  iSg     00 25.00
EVIA     3.23  50 ePn     59 52.88  -1.9
                  eSn     00 30.40
EPLA     3.48 355 eP      59 58.28   0.1
                  eS      00 37.00
AVE      3.59 204 ePn     00 00.00   0.2
                  iSn     00 38.00
                  i       00 42.00
GUD      4.21  16 eP      00 07.75  -0.9
                  eS      00 55.20
TIO      5.81 194 iPn     00 29.50  -1.8
                  iSn     01 31.00
GEC2    18.71  43 P       03 19.70  -3.7X
        0.4s      0.36nm          2.9mb
     S.D. = 1.5  on  15 of  16 obs.
--------------------------------------
?  JUN 13, 1992  16h 02m 27.24± 1.05s
   13.808 N ±10.9km  125.415 E ±16.2km
   DEPTH =  33.0km  (normal)
   4.4mb (  2 obs.)
 PHILIPPINE ISLANDS REGION       (248)

PLP      2.66 189 ePd     03 08.00  -0.7
                  eS      03 29.50
PGP      4.35 267 eP      03 32.00  -0.7
TGY      4.36 274 eP      03 37.50   4.6X
BCP      5.32 300 eP      04 00.00  13.6X
CGP      5.37 188 eP      03 49.00   1.9
BIP      5.61 172 eP      03 58.00   7.5X
WB2     34.67 165 iPc     09 15.70  -0.4
        0.3s      1.70nm          4.5mb
ASPA    38.16 167 eP      09 45.50   0.0
        0.6s      3.30nm          4.4mb
GUN     39.33 297 P       09 56.20   0.5
PKI     39.67 297 P       09 58.60   0.1
WARB    39.77 178 eP      09 57.70  -1.1
KKN     39.83 297 P       09 59.80   0.2
DMN     39.94 297 P       10 00.80   0.2
GKN     40.43 297 P       10 04.60   0.1
     S.D. = 0.9  on  11 of  14 obs.
--------------------------------------
•  JUN 13, 1992  16h 42m 08.42± 0.58s
   1.831 S ±11.5km    67.972 E ±10.1km
   DEPTH =  10.0km  (geophysicist)
   4.9mb ( 12 obs.)
 CARLSBERG RIDGE                 (421)

DMN     33.59  28 P       48 51.80   0.4
PKI     33.71  29 P       48 52.30  -0.2
GKN     33.71  27 P       48 52.80   0.5
        1.0s     51.00nm          5.4mb
KKN     33.83  28 P       48 53.80   0.4
        0.9s     29.00nm          5.2mb
GUN     34.22  29 P       48 57.40   0.5
        0.8s     28.00nm          5.2mb
CHG     36.72  55 eP      49 18.80   0.9
BCAO    49.79 277 ePd     51 05.60   1.8
        0.8s     11.00nm          4.9mb
```

13d 16h

SSE 60.19 52 P 52 17.80 -1.3
1.0s 9.00nm 4.9mb
i 52 25.00
BJI 60.59 41 eP 52 22.00 0.4
1.5s 29.00nm 5.2mb
WRA 67.19 111 P 53 05.70 0.3
0.6s 1.90nm 4.5mb
WB2 67.20 111 iPc 53 05.40 0.0
0.6s 4.90nm 4.9mb
ASPA 67.27 115 eP 53 05.50 -0.4
1.4s 4.10nm 4.4mb
CLL 70.40 327 eP 53 24.00 -0.6
1.5s 12.00nm 4.8mb
KAF 71.15 341 eP 53 28.10 -0.9
0.6s 3.10nm 4.6mb
HFS 74.66 335 eP 53 48.50 -1.1
0.7s 4.30nm 4.6mb
MAT 75.32 52 eP 53 54.00 0.0
MSU 143.49 0 ePKP 01 45.01 -0.8
MEO 144.90 341 iPKPc 01 48.20 0.2
S.D. = 0.8 on 18 of 18 obs.

JUN 13, 1992 16h 55m 07.78± 0.27s
39.845 N ± 5.3km 77.828 E ± 3.8km
DEPTH = 35.4km (4 depth phases)
4.7mb (51 obs.) 4.0Msz (5 obs.)
SOUTHERN XINJIANG, CHINA (321)

KSH 1.48 255 iPgc 55 35.50 2.9
Sg 55 58.50
PRZ 2.67 9 iPnd- 55 52.00 2.5
e 56 25.00
TLG 3.44 355 ePn 56 02.00 1.7
i 56 49.00
FRU 3.84 322 iPnc 56 08.00 1.9
Z 12s 10.50um
N 12s 9.00um
i 56 56.00
i 57 02.00
GAR 5.88 264 iPn 56 34.60 -0.4
WMQ 8.37 58 Pn 57 07.00 -2.7
Sn 58 37.60
NDI 11.15 183 iPd 57 45.00 -2.8
eS 59 46.00
QUE 13.11 226 P 58 13.20 -1.2
eS 04 11.50
MAIO 14.87 262 eP 58 32.00 -5.3X
eS 01 19.00
ASH 15.29 269 eP 58 42.00 -0.6
e 01 24.00
KAT 16.65 275 eP 59 10.00 10.0X
GTA 16.94 84 P 58 59.50 -4.3X
1.5s 33.00nm 4.2mb
Z 10s 1.28um 4.7MszX
pP 59 06.20
S 02 14.00
sS 02 23.00
SHL 18.47 136 eP 59 22.50 -0.4
eS 02 54.00
MOY 19.93 46 eP 59 40.90 1.7
SVE 20.36 332 ePd 59 43.00 -0.7
1.8s 60.00nm 4.6mb
Z 11s 2.00um 4.7MszX
N 11s 1.20um
E 11s 1.50um
e 00 00.00 83kmX
ePPP 00 12.70
ZAK 20.73 51 eP 59 46.00 -1.5
1.2s 16.00nm 4.3mb
Z 12s 0.19um 3.7MszX
eS 03 40.00
LZH 20.83 92 Pd 59 47.50 -1.4
2.0s 56.00nm 4.6mb
Z 18s 0.84um 4.2Msz
pP 59 55.00 28km
sP 59 58.00
sS 03 50.00
PcP 03 55.00
ARU 20.84 329 ePd 59 49.00 0.4
e 00 24.00
eS 03 40.00
IRK 22.04 47 ePd 00 05.10 4.3X
1.3s 12.00nm 4.2mb
e 00 22.60 80kmX
HYB 22.36 178 eP 00 05.50 1.3
CD2 22.88 105 P 00 10.60 1.3
1.4s 160.00nm 5.3mb

Z 10s 0.95um 4.5MszX
GRS 24.18 279 eP 00 23.00 1.0
eS 04 44.00
GRO 24.21 289 eP 00 36.50 14.5X
Z 14s 2.50um 4.8MszX
N 14s 2.00um
E 14s 1.50um
(S) 04 44.00
BTO 24.52 78 eP 00 26.00 0.8
XAN 25.44 93 P 00 34.20 0.3
1.0s 28.00nm 4.8mb
N 10s 0.44um
E 10s 0.43um
KMI 25.52 118 Pc 00 36.00 1.0
1.5s 70.00nm 5.0mb
HHC 25.64 77 P 00 37.00 1.1
1.2s 30.00nm 4.8mb
PYA 26.08 291 eP 00 55.00 15.2X
Z 16s 1.00um 4.4MszX
i 01 11.00 68kmX
eS 05 12.00
e 06 30.00
TIY 26.96 83 eP 00 48.00 0.0
Z 20s 0.75um 4.2Msz
N 10s 0.50um
GYA 27.45 110 iPc 00 53.60 1.0
1.4s 31.00nm 4.8mb
Z 14s 1.05um 4.6MszX
CHTO 27.76 133 eP 00 55.00 -0.3
BOD 29.45 40 eP 01 09.60 -0.5
NRI 30.12 7 eP 01 34.00 18.1X
e 01 45.00 40km
e 02 28.00
TIA 31.00 84 eP 01 23.80 -0.2
OBN 31.24 313 eP 01 26.00 0.1
e 01 41.00 61kmX
e 02 37.00
CN2 35.32 68 eP 02 02.00 0.5
0.6s 3.00nm 4.4mb
PUL 35.55 320 (P) 02 04.00 0.8
1.5s 80.00nm 5.4mb
e 02 16.00 44km
SSE 36.08 90 P 02 10.50 2.5
1.0s 9.00nm 4.6mb
Z 16s 0.40um 4.3MszX
N 12s 0.30um
APA 36.86 333 eP 02 13.70 -0.4
KAF 37.96 323 eP 02 20.90 -2.5
0.6s 1.00nm 3.9mb
YAK 38.11 37 eP 02 22.00 -2.7
NUR 38.47 320 iP 02 27.40 -0.3
0.9s 11.00nm 4.7mb
KEV 39.87 335 eP 02 39.00 -0.2
OJC 41.33 304 eP 02 51.50 0.0
UPP 41.92 319 eP 02 58.00 1.8
HFS 43.90 319 eP 03 11.70 -0.6
1.1s 15.80nm 4.7mb
Z 17s 0.38um 4.4MszX
LR 20 37.00
BRG 44.89 306 eP 03 21.00 0.6
1.3s 13.00nm 4.6mb
e 03 51.00 132kmX
NB2 45.07 321 P 03 21.20 -0.6
0.6s 2.30nm 4.2mb
VBY 45.32 299 eP 03 24.00 0.1
CLL 45.38 307 eP 03 24.00 -0.3
1.4s 16.00nm 4.7mb
GEC2 45.49 304 P 03 24.40 -1.0
0.8s 6.03nm 4.6mb
KHC 45.50 304 eP 03 25.50 0.1
1.5s 7.50nm 4.4mb
e 05 15.50 629kmX
LJU 45.66 300 eP 03 26.50 -0.1
CEY 45.82 299 eP 03 28.00 0.1
VOY 46.09 300 e(P) 03 29.00 -1.1
TRI 46.27 299 eP 03 31.70 0.3
MOX 46.38 306 eP 03 34.00 1.7
1.6s 15.00nm 4.7mb
MAT 46.78 74 eP 03 35.00 -0.6
GRF 46.86 305 iPc 03 37.00 0.9
1.1s 10.00nm 4.7mb
ASS 47.84 296 P 03 45.50 1.6
SFI 48.12 298 P 03 47.00 1.1
MME 48.81 298 P 03 52.90 1.3
BOB 49.46 299 P 03 57.10 0.7
CDF 49.71 305 eP 03 57.80 -0.5
1.1s 8.30nm 4.7mb

BSF 50.20 304 eP 04 01.50 -0.6
1.1s 17.85nm 5.0mb
HAU 50.43 304 eP 04 03.10 -0.6
Z 16s 0.08um 3.8MszX
LPG 51.01 301 eP 04 08.50 0.0
1.1s 13.45nm 4.8mb
LPL 51.01 301 eP 04 08.30 -0.1
0.9s 15.90nm 5.0mb
SBF 51.13 299 eP 04 08.90 -0.3
1.1s 31.50nm 5.2mb
FRF 51.78 299 eP 04 13.50 -0.5
0.8s 7.00nm 4.7mb
LRG 52.01 299 eP 04 15.30 -0.4
0.8s 7.80nm 4.7mb
Z 19s 0.10um 3.9Msz
LOR 52.26 304 eP 04 16.20 -1.4
0.8s 2.15nm 4.2mb
Z 18s 0.13um 4.0Msz
LBF 52.28 304 eP 04 16.40 -1.4
1.1s 5.35nm 4.4mb
SMF 52.49 303 eP 04 18.40 -0.9
1.1s 11.50nm 4.8mb
SSF 52.56 304 eP 04 18.80 -1.0
1.2s 9.20nm 4.6mb
AVF 52.75 304 eP 04 20.40 -0.9
0.9s 13.10nm 4.9mb
DAG 53.09 343 ePc 04 22.40 -0.9
0.4s 14.41nm 5.3mb
EKA 53.66 316 Pc 04 30.70 3.0
1.2s 8.30nm 4.6mb
TCF 53.67 304 eP 04 27.40 -0.7
1.2s 11.60nm 4.8mb
LSF 54.12 304 eP 04 30.20 -1.1
0.9s 6.90nm 4.7mb
CAF 54.29 302 eP 04 32.40 -0.3
1.3s 9.75nm 4.7mb
RJF 54.50 303 eP 04 33.80 -0.3
1.0s 10.60nm 4.8mb
Z 21s 0.10um 3.9Msz
GRR 54.80 307 eP 04 35.10 -1.2
1.3s 19.15nm 5.0mb
LPO 54.96 302 eP 04 37.00 -0.5
1.5s 26.10nm 5.0mb
MFF 55.05 305 eP 04 36.90 -1.3
1.4s 16.55nm 4.9mb
LFF 55.15 302 eP 04 38.60 -0.3
MBC 63.67 5 eP 05 36.50 -0.7
0.6s 4.00nm 4.7mb
BCAO 63.83 253 iPc 05 41.50 2.4
1.0s 20.00nm 5.2mb
ic 05 50.80 30km
IMA 67.22 20 eP 05 59.06 -1.3
0.7s 2.61nm 4.4mb
WRA 79.44 127 P 07 13.10 1.0
0.6s 3.60nm 4.5mb
WB2 79.45 127 iPd 07 12.90 0.7
1.0s 14.10nm 4.9mb
ASPA 81.99 130 eP 07 26.10 0.5
1.1s 19.50nm 5.0mb
PNT 89.89 11 eP 08 04.00 -0.3
0.5s 2.00nm 4.6mb
S.D. = 1.2 on 86 of 93 obs.

% JUN 13, 1992 17h 09m 04.22± 0.50s
44.441 N ± 5.7km 10.294 E ± 3.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.38 130 P 09 11.90 -0.2
eSg 09 17.60
BDI 0.44 150 P 09 12.90 -0.2
eSg 09 18.70
BOB 0.69 299 P 09 18.90 1.0
eSg 09 29.70
PII 0.74 167 P 09 18.80 0.1
eSg 09 27.60
PGD 1.17 118 P 09 27.00 0.8
SFI 1.24 114 P 09 28.00 0.8
CRE 1.45 124 P 09 30.00 -0.5
CTI 1.87 30 P 09 35.70 -0.9
eSn 09 58.30
PGF 2.11 207 Pn 09 39.90 -0.3
SBF 2.14 255 Pn 09 40.50 0.0
Sn 10 06.90
FRF 2.77 253 Pn 09 49.30 -0.2
Sn 10 20.60
LMR 2.95 249 Pn 09 51.30 -0.7

Sn 10 25.30
LRG 3.01 252 Pn 09 53.00 0.3
S.D. = 0.7 on 13 of 13 obs.

JUN 13, 1992 17h 50m 40.86± 0.93s
13.128 N ± 7.2km 124.665 E ± 9.3km
DEPTH = 91.5 ± 10.0 km
4.8mb (12 obs.)
LUZON, PHILIPPINE ISLANDS (249)

PLP 1.98 171 iPd 51 11.20 -2.1
iS 51 26.60
MAP 2.87 194 ePc 51 26.00 0.6
eS 51 56.00
PGP 3.63 276 iPd 51 36.50 0.5
TGY 3.76 285 eP 51 39.00 1.3
CGP 4.64 180 eP 51 49.00 -1.0
BIP 5.12 162 eP 51 57.50 1.0
eS 52 48.50
GUMO 19.66 86 eP 55 07.30 2.2
TT 14 53.20
WHN 19.78 333 eP 55 07.00 0.8
KMI 23.86 303 Pc 55 50.00 2.8X
1.5s 40.00nm 4.6mb
TIA 23.96 345 eP 55 47.50 -0.3
XAN 25.26 328 iPc 55 59.30 -0.8
1.0s 14.00nm 4.4mb
CHTO 25.35 286 P 55 57.76 -3.3X
CD2 26.16 316 P 56 08.40 -0.1
1.2s 30.00nm 4.7mb
TIY 26.81 338 Pc 56 14.20 -0.1
BJI 27.83 346 eP 56 23.00 -0.5
LZH 29.55 324 eP 56 39.00 -0.2
1.5s 17.00nm 4.5mb
HHC 29.91 340 eP 56 42.00 -0.2
CN2 30.57 1 eP 56 46.00 -1.9
GTA 34.15 325 eP 57 19.20 -0.1
1.0s 6.00nm 4.4mb
WB2 34.22 164 iPd 57 18.60 -1.3
0.5s 5.60nm 4.7mb
i 59 55.80
ASPA 37.67 166 eP 57 49.60 0.6
0.4s 10.40nm 5.1mb
eS 03 33.60
GUN 39.00 298 P 58 00.20 -0.4
0.9s 54.00nm 5.4mb
WARB 39.12 177 eP 58 02.00 0.9
PKI 39.33 298 P 58 02.20 -1.0
KKN 39.49 298 P 58 03.80 -0.6
1.0s 37.00nm 5.2mb
DMN 39.60 298 P 58 04.80 -0.6
1.0s 42.00nm 5.3mb
GKN 40.09 298 P 58 08.40 -0.9
1.0s 30.00nm 5.1mb
FORT 43.77 176 eP 58 39.30 0.3
WMQ 44.02 321 P 58 42.50 1.4
HYB 44.61 282 eP 58 47.00 0.9
KSH 50.15 311 eP 59 31.20 2.0
NB2 89.52 333 P 03 28.60 -0.4
0.8s 1.10nm 4.1mb
S.D. = 1.1 on 30 of 32 obs.

• JUN 13, 1992 18h 05m 17.88± 0.38s
23.580 S ± 6.1km 130.284 E ± 5.6km
DEPTH = 10.0km (geophysicist)
5.0mb (7 obs.)
NORTHERN TERRITORY, AUSTRALIA (591)

ASPA 3.32 92 iPc 06 15.50 4.5X
iPg 06 24.20
eS 07 03.30
WARB 4.20 231 eP 06 24.20 0.7
WB2 5.23 47 eP 06 39.40 1.3
e 06 59.30
e 07 20.30
e 07 41.80
FORT 7.44 195 eP 07 09.00 -0.1
eS 08 30.00
KNA 7.92 349 eP 07 14.20 -1.6
0.3s 40.00nm 6.2mb X
eS 08 42.00
OIS 9.15 73 iPd 07 33.00 0.0
iS 09 14.00
i 09 59.00
MBL 9.97 282 iPc 07 39.80 -4.4X
eS 09 24.00
MTN 10.71 4 eP 07 50.00 -4.3X

0.3s 96.00nm 6.7mb X
eS 09 43.00
COOL 10.91 226 iPc 07 52.10 -5.0X
0.3s 13.00nm 5.8mb X
eS 09 47.00
MEEK 11.00 252 iPc 07 52.90 -5.6X
eS 09 49.00
STK 12.98 132 iPd 08 23.40 -1.7
0.6s 18.00nm 5.4mb X
eS 10 43.80
OLP 12.99 106 eP 08 24.00 -1.2
e 08 33.50
eS 10 44.00
NANU 13.62 271 eP 08 28.00 -5.6X
eS 10 48.00
KLB 13.67 232 iPd 08 28.20 -6.0X
0.3s 19.00nm 5.5mb X
iS 10 51.00
BAL 13.96 237 eP 08 30.50 -7.6X
0.3s 11.00nm 5.1mb
eS 10 54.50
MRWA 13.98 243 eP 08 31.00 -7.3X
0.3s 10.00nm 5.1mb
NWAO 14.78 228 eP 08 43.00 -5.8X
0.6s 3.00nm 4.0mb
eS 11 14.00
MUN 15.00 233 eP 08 47.00 -4.6X
0.4s 16.00nm 4.8mb
eS 11 18.00
CTA 15.23 80 eP 08 53.90 -0.8
eS 11 38.40
CMS 15.87 123 eP 09 02.00 -0.9
eS 11 48.00
RMQ 16.99 104 eP 09 17.00 -0.2
eS 12 17.00
BFD 17.17 145 eP 09 16.00 -3.4X
e 12 15.00
TOO 19.09 140 eP 09 43.00 -0.2
ARMA 20.19 114 iPd 09 58.00 2.4
0.8s 37.00nm 4.8mb
e 13 41.00
PMG 21.42 52 e(P) 10 10.00 1.8
CHG 52.06 321 eP 14 30.70 0.4
CHJJ 59.87 8 P 15 26.40 0.3
MTMJ 60.26 7 P 15 28.60 -0.2
MAT 60.26 7 eP 15 28.00 -0.7
1.0s 14.00nm 5.0mb
NIIJ 61.05 8 P 15 34.30 0.3
SHL 61.40 320 iPc 15 37.20 0.3
GUN 66.74 318 P 16 11.30 -0.7
PKI 66.79 317 P 16 11.40 -1.0
DMN 67.01 317 P 16 12.80 -0.8
KKN 67.03 317 P 16 13.00 -0.7
0.8s 43.00nm 5.7mb
GKN 67.58 317 P 16 16.40 -0.7
MAIO 89.46 310 eP 18 18.00 1.4
YKA 122.21 30 ePKP 24 13.60 -0.3
0.8s 0.70nm
SRU 126.73 58 ePKP 24 25.43 1.7
ITR 146.01 200 ePKP 25 00.80 1.2
LHS 150.83 61 ePKP 25 13.70 7.2X
S.D. = 1.1 on 28 of 41 obs.

• JUN 13, 1992 18h 41m 22.06± 0.63s
6.677 S ± 7.2km 154.322 E ±13.1km
DEPTH = 44.1km (6 depth phases)
5.1mb (16 obs.) 4.6Msz (3 obs.)
SOLOMON ISLANDS (193)

RAB 3.27 319 eP 42 12.00 -0.2
0.6s 90.67nm
eS 43 03.00
LAT 7.27 270 eP 43 08.00 -0.5
CTA 15.46 210 iPd 45 04.40 5.5X
1.2s 216.41nm 5.2mb
e 45 16.10
DZM 19.27 144 iPc 45 47.00 0.9
OIS 19.85 225 iPd 45 51.70 -0.6
RMQ 20.40 194 iPd 45 58.40 0.3
1.2s 118.00nm 5.1mb
WB2 23.44 234 iPd 46 28.70 0.2
0.5s 26.60nm 5.0mb
ARMA 23.75 186 eP 46 34.00 2.5
i 46 47.00 53km
ASPA 25.89 227 iPc 46 51.90 0.1
1.3s 16.80nm 4.4mb
Z 18s 1.70um 4.6Msz

CMS 25.93 197 eP 46 51.00 -1.1
1.1s 38.00nm 4.9mb
STK 27.75 204 eP 47 07.40 -1.3
0.5s 6.80nm 4.6mb
WARB 32.74 231 eP 47 52.00 -1.1
NJ2 51.25 321 Pd 50 24.80 1.2
WHN 53.25 316 Pd 50 39.50 0.8
1.3s 32.00nm 5.2mb
Z 20s 0.50um 4.6Msz
pP 50 51.50 42km
eS 58 10.00
CN2 56.62 335 eP 51 01.00 -2.0
1.0s 6.10nm 4.6mb
epP 51 14.00 46km
BJI 58.28 326 eP 51 13.00 -1.7
Z 16s 0.29um 4.5MszX
eS 59 16.00
XAN 59.02 316 Pc 51 19.60 -0.4
1.3s 27.00nm 5.2mb
CHG 60.16 296 eP 51 30.40 2.3
CD2 61.10 311 P 51 34.80 0.4
0.8s 26.00nm 5.4mb
pP 51 47.00 42km
eS 59 45.00
HHC 61.44 324 eP 51 36.00 -0.6
BTO 62.20 323 eP 51 42.00 0.3
LZH 63.62 316 Pc 51 51.50 0.3
2.0s 88.00nm 5.5mb
pP 52 03.50 41km
GTA 68.05 317 P 52 20.00 0.5
1.5s 49.00nm 5.3mb
Z 18s 0.40um 4.7Msz
S 01 20.00
SHL 68.56 301 iPc 52 25.50 2.5
GUN 74.38 301 PKP 52 58.60 0.6
0.6s 19.00nm 5.2mb
PKI 74.69 301 PKP 52 59.20 -0.6
KKN 74.86 301 PKP 53 00.80 0.2
0.6s 22.00nm 5.3mb
DMN 74.96 301 PKP 53 01.60 0.4
0.6s 21.00nm 5.3mb
GKN 75.46 301 PKP 53 00.20 -3.8X
WMQ 78.14 317 P 53 19.50 1.0
1.5s 18.00nm 4.9mb
pP 53 31.50 40km
IMA 81.72 19 eP 53 49.08 11.8X
SPA 83.37 180 eP 53 56.80 11.0X
1.0s 11.00nm
KSH 85.28 310 P 53 59.00 3.1X
SKO 125.52 318 iPKP 00 20.00 -0.4
GEC2 126.44 329 PKP 00 19.80 -2.3
1.4s 2.02nm
BCAO 135.95 269 ePKPc 00 39.50 -1.6
0.8s 7.00nm
S.D. = 1.2 on 31 of 36 obs.

% JUN 13, 1992 19h 36m 22.91± 0.84s
36.956 N ± 6.8km 5.480 W ± 7.4km
DEPTH = 10.0km (geophysicist)
STRAIT OF GIBRALTAR (385)
mbLg 2.5 (MDD).

EPRU 0.20 87 iPg 36 26.80 -0.5
EJIF 0.50 179 iPgd 36 33.20 0.1
eSg 36 40.00
EHOR 0.88 12 ePg 36 39.60 -0.3
eSg 36 51.60
ELUQ 1.14 58 ePg 36 45.00 0.7
EVAL 1.19 302 ePg 36 45.10 0.0
eSg 37 01.30
S.D. = 0.6 on 5 of 5 obs.

• JUN 13, 1992 19h 53m 42.13± 1.04s
37.936 N ±11.8km 21.330 E ±10.1km
DEPTH = 10.0km (geophysicist)
SOUTHERN GREECE (368)
MD 3.4 (ATH).

VLS 0.63 293 ePg 53 54.60 -0.2
VLI 1.77 133 ePn 54 13.50 0.6
ATH 1.89 88 ePb 54 13.80 -0.9
KEK 2.14 326 ePg 54 24.70 6.4X
KZN 2.39 8 ePn 54 23.00 1.0
OHR 3.20 353 ePn 54 33.00 -0.4
SKO 4.03 1 ePn 54 52.00 6.8X
S.D. = 1.1 on 5 of 7 obs.

JUN 13, 1992 20h 07m 30.21± 0.47s
43.310 N ± 8.5km 17.338 E ± 5.8km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 3.1 (LJU). ML 2.6 (TTG).

HVAR	0.66	259	iPgc	07 43.00	-0.4
			iSg	07 54.60	
BRY	0.97	114	iPgc	07 47.52	-1.3
			iSg	08 03.04	
HCY	1.21	135	iPgc	07 52.27	-0.5
			iSg	08 11.59	
NKY	1.31	112	iPgd	07 53.99	-0.6
			iSg	08 14.51	
PLE	1.50	89	iPgd	07 56.86	-0.4
			iSg	08 19.45	
BDV	1.50	133	iPnc	07 57.67	0.5
			iSn	08 21.24	
TTG	1.66	121	iPnc	08 00.36	0.8
			iSn	08 25.46	
IVA	1.93	102	iPnc	08 03.97	0.6
			iSn	08 31.15	
ULC	1.95	133	ePn	08 04.55	0.9
			iSn	08 32.77	
PVY	2.06	109	iPnd	08 05.74	0.3
			iSn	08 34.89	
CEY	3.20	320	ePn	08 22.40	0.9
			e(Sn)	09 05.00	
SKO	3.31	112	eP	08 26.00	2.9X
VOY	3.67	319	e(Pn)	08 27.50	-0.7
			eSn	09 14.10	
FVI	4.61	317	P	08 41.50	0.0
			eSn	09 40.00	

S.D. = 0.8 on 13 of 14 obs.

JUN 13, 1992 20h 08m 19.38± 0.33s
38.271 N ± 4.2km 36.401 E ± 4.4km
DEPTH = 33.0km (normal)
4.3mb (28 obs.)
TURKEY (366)
ML 4.3 (CSS). Felt in the Kayseri area.

ADAT	1.46	215	ePn	08 45.00	1.3
SVST	1.55	16	iP	08 47.30	2.1
TRHT	2.08	355	iP	08 54.10	1.4
			eS	09 22.00	
BBTK	3.24	300	iPnc	09 10.00	0.8
			iPg	09 18.00	
			iSg	10 01.00	
FAM	3.80	211	eP	09 18.00	1.1
			eS	10 03.60	
SGKT	4.08	306	eP	09 21.50	0.3
CSS	4.12	218	eP	09 22.00	0.3
			eS	10 09.70	
BHL	4.40	188	Pn	09 22.00	-3.7X
			Sn	10 42.00	
NAL	4.40	298	eP	09 26.50	0.7
DVR	4.45	312	eP	09 26.00	-0.4
			eSg	10 40.00	
PPCY	4.70	225	eP	09 31.50	1.7
			eS	10 26.50	
HRI	5.02	186	eP	09 34.30	-0.2
GPA	5.14	295	eP	09 44.00	7.9X
ELL	5.38	256	ePn	09 42.50	2.9X
IZI	5.76	293	eP	09 45.00	0.2
HRT	5.79	298	eP	09 44.00	-1.3
YLV	5.91	295	eP	09 47.00	0.1
ZNT	6.12	191	eP	09 49.50	-0.4
			eS	10 59.10	
ISK	6.31	299	eP	09 54.60	2.0
ITU	6.36	299	eP	10 17.00	23.8X
KCT	6.55	290	eP	10 06.60	10.7X
CTT	6.78	298	eP	09 59.00	-0.2
BNT	6.90	290	eP	10 30.00	29.2X
MKT	7.38	188	eP	10 07.40	-0.1
			eS	11 31.80	
MBH	8.57	189	eP	10 23.00	-1.2
ISR	10.06	316	eP	10 47.70	3.0X
VRI	10.45	320	eP	10 56.50	6.5X
MLR	10.62	316	eP	11 00.00	7.7X
VAY	11.07	290	eP	11 01.00	2.6
SHI	15.89	118	eP	12 02.00	-0.3
SPC	15.95	318	eP	12 06.50	3.6X
SRO	16.27	312	iP	12 08.90	2.1
OJC	16.81	321	eP	12 17.20	3.5X
OBN	16.84	0	eP	12 12.00	-1.9
			e	12 24.00	
			i	12 35.00	
PTJ	16.95	303	eP	12 08.50	-7.1X
ZST	17.17	311	eP	12 18.10	0.0
			e	12 25.30	
MAIO	18.48	89	iPc	12 37.00	2.4
SFI	19.31	295	P	12 48.60	4.2X
GEC2	19.48	310	P	12 44.50	-2.0
	0.6s		2.33nm		3.6mb
KHC	19.67	311	P	12 47.50	-1.0
	1.3s		15.70nm		4.1mb
			e	12 55.50	
CTI	19.87	301	P	12 50.30	-0.4
MME	20.17	295	P	12 54.40	0.4
BRG	20.27	316	eP	12 54.60	0.0
CLL	21.00	316	eP	13 02.00	-0.1
	1.3s		22.00nm		4.4mb
GRA2	21.21	311	eP	13 03.80	-0.5
	1.4s		13.00nm		4.1mb
Z	18s		0.10um		3.2Msz
MOX	21.47	313	eP	13 07.80	0.9
			e	13 12.80	
BSD	22.23	326	eP	13 13.00	-1.4
BNI	23.13	297	P	13 24.50	0.9
LPG	23.13	298	eP	13 24.70	0.9
	0.8s		5.10nm		4.1mb
LPL	23.15	298	eP	13 25.50	1.6
	0.8s		7.40nm		4.2mb
CDF	23.35	305	eP	13 25.50	-0.1
	1.1s		13.65nm		4.4mb
NUR	23.46	345	iP	13 25.40	-1.0
	0.7s		5.70nm		4.2mb
BSF	23.53	303	eP	13 27.20	-0.1
	1.0s		11.20nm		4.3mb
HAU	23.86	304	eP	13 29.70	-0.7
	0.9s		14.40nm		4.5mb
Z	21s		0.17um		3.5Msz
KAF	24.67	349	iP	13 40.00	1.9
	0.6s		4.70nm		4.2mb
UPP	24.69	337	iP	13 43.60	5.3X
LBF	25.25	301	eP	13 42.50	-1.4
	0.8s		2.95nm		3.9mb
LOR	25.37	301	eP	13 43.70	-1.3
	0.8s		4.85nm		4.2mb
Z	19s		0.15um		3.5Msz
SSF	25.58	301	eP	13 45.90	-1.0
	0.7s		4.20nm		4.1mb
MUD	25.64	324	eP	13 48.00	0.7
	1.2s		18.00nm		4.5mb
AVF	25.65	300	eP	13 46.30	-1.2
	0.9s		8.20nm		4.3mb
BGF	25.97	299	eP	13 48.80	-1.7
	0.9s		5.10nm		4.1mb
HFS	26.18	334	eP	13 53.20	0.9
	0.5s		5.50nm		4.4mb
Z	16s		0.15um		3.6MszX
			LR	23 43.00	
TCF	26.38	299	eP	13 53.10	-1.2
	0.9s		6.40nm		4.2mb
RJF	26.79	296	eP	13 57.30	-0.8
	0.9s		8.50nm		4.4mb
Z	23s		0.17um		3.6MszX
LPO	27.00	295	eP	13 58.70	-1.3
	1.2s		8.35nm		4.2mb
NB2	27.69	334	P	14 09.00	2.9X
	0.6s		0.50nm		3.4mb
MFF	28.02	299	eP	14 06.40	-2.9
	1.2s		12.20nm		4.5mb
BCAO	37.41	210	ePc	15 31.40	0.2
	0.2s		4.00nm		4.9mb
GKN	41.27	90	P	16 03.40	0.1
DMN	41.82	90	P	16 06.20	-1.7
	0.8s		53.00nm		5.3mb X
KKN	41.87	90	P	16 08.50	0.2
	0.6s		24.00nm		5.1mb
PKI	42.07	90	P	16 10.00	-0.1
	0.8s		19.00nm		4.9mb
GUN	42.29	89	P	16 11.80	-0.1
LZH	52.68	70	eP	17 33.50	0.6
	1.0s		18.00nm		5.0mb
			sP	18 10.00	
CHTO	57.21	91	eP	18 04.50	-1.4
MBC	64.72	354	eP	19 02.50	6.6X
YKA	76.90	347	eP	20 11.30	1.8
	1.0s		2.30nm		4.2mb

S.D. = 1.2 on 62 of 78 obs.

& JUN 13, 1992 20h 32m 48.23s
62.241 N 148.906 W
DEPTH = 41.3km
4.0mb (3 obs.)
CENTRAL ALASKA (1)
<AEIC>. ML 4.1 (AEIC), 4.3 (PMR). Felt strongly at Talkeetna. Felt (IV) at Chickaloon and (III) at Sutton. Also felt in the Palmer and Wasilla areas.

GHO	0.47	181	iPc	32 58.29	-0.5
			eS	33 07.12	
SML	0.51	148	iPc	32 58.47	-0.8
			eS	33 07.72	
CUT	0.66	285	iPd	33 00.57	-0.6
PLRM	0.66	189	iPc	33 00.18	-1.0
			eS	33 10.95	
PMR	0.66	189	iPc	32 59.89	-1.3
PWA	0.75	218	P	33 02.00	-0.4
HUR	0.81	336	iPc	33 02.45	-0.9
			eS	33 13.24	
SCM	0.85	118	iPc	33 02.66	-1.3
KNK	0.86	165	iPc	33 03.39	-0.6
			eS	33 15.92	
PMS	1.05	198	P	33 05.90	-0.8
SUA	1.17	229	iPc	33 08.11	-0.4
			eS	33 24.11	
RND	1.17	1	iPc	33 07.27	-1.2
SKT	1.26	259	iPd	33 08.86	-0.8
			eS	33 25.76	
TOA	1.29	95	P	33 09.80	-0.4
TRF	1.37	333	iPc	33 10.18	-1.2
PTE	1.38	182	eP	33 12.28	0.9
MCK	1.50	360	iPc	33 12.18	-0.9
SDG	1.59	78	ePd	33 13.84	-0.6
KLU	1.60	117	iPc	33 13.59	-1.0
KTH	1.61	326	iPc	33 13.63	-1.1
TZL	1.65	95	ePd	33 15.18	0.0
VLZ	1.66	131	iPc	33 13.73	-1.5
			eS	33 35.56	
PAX	1.75	64	ePc	33 16.00	-0.7
SPU	1.84	236	eP	33 17.70	-0.2
SLKM	1.85	201	ePc	33 16.90	-1.2
CKN	1.86	238	eP	33 18.88	0.6
THY	1.87	49	eP	33 17.90	-0.4
NKA	1.87	218	eP	33 19.63	1.3
CKL	1.94	239	eP	33 19.42	0.0
BWN	1.95	353	ePc	33 18.08	-1.5
BKG	1.99	235	eP	33 20.04	0.0
HIN	2.18	147	ePc	33 21.37	-1.5
WRH	2.27	9	iPc	33 22.10	-2.0
			eS	33 48.36	
CVA	2.28	137	eP	33 23.04	-1.2
DJE	2.32	38	eP	33 24.39	-0.4
HDA	2.35	21	iPc	33 23.41	-1.0
NEA	2.35	358	iPc	33 23.01	-2.2
			eS	33 51.53	
RDT	2.37	227	eP	33 24.54	-1.1
			eS	33 53.41	
DFR	2.46	229	eP	33 26.22	-0.6
NNL	2.49	209	eP	33 27.37	0.2
REF	2.54	228	eP	33 26.64	-1.4
GLB	2.55	106	ePd	33 26.57	-1.5
RSO	2.57	228	eP	33 28.29	-0.3
RS2	2.57	228	eP	33 28.38	-0.2
RS1	2.58	228	eP	33 28.16	-0.4
RED	2.61	227	eP	33 28.49	-0.5
FBA	2.72	10	iPc	33 27.69	-2.7
MDM	2.75	6	iPc	33 28.82	-2.0
GLM	2.84	13	iPc	33 29.92	-2.3
HOM	2.92	208	eP	33 32.88	-0.3
MLY	2.92	345	iPc	33 31.23	-2.1
CNPM	2.95	204	eP	33 32.34	-1.5
INE	2.97	224	eP	33 33.04	-1.2
INW	2.99	225	eP	33 33.42	-1.0
MID	3.09	155	eP	33 35.68	0.0
KAIM	3.19	135	eP	33 34.68	-2.4
TGL	3.27	114	eP	33 35.87	-2.5
BALM	3.36	108	eP	33 37.20	-2.4
TTA	3.36	285	ePn	33 36.73	-2.9
SVW	3.40	253	ePn	33 37.72	-2.4
AUE	3.63	219	eP	33 42.56	-0.8
AUL	3.63	220	eP	33 43.04	-0.3
AUP	3.64	219	eP	33 43.24	-0.4
AUH	3.64	220	eP	33 43.47	-0.2

AUI 3.66 219 eP 33 43.24 -0.6
YAH 3.93 115 eP 33 45.43 -2.5
WRG 4.00 121 eP 33 46.08 -2.5
SYI 4.03 207 eP 33 47.67 -1.3
CDD 4.06 217 eP 33 48.05 -1.4
MCNL 4.06 223 eP 33 48.07 -1.4
IMA 4.37 334 iPc 33 50.97 -3.1
eS 34 40.55
FYU 4.63 19 eP 33 54.83 -2.6
KDC 4.85 203 ePn 33 57.15 -3.5
SIT 8.61 121 ePn 34 48.47 -4.7
eS 36 18.96
BRW 9.60 345 eP 35 02.46 -4.3
YKA 15.81 74 eP 36 26.30 -2.8
0.8s 1.60nm 3.2mb
MBC 17.17 24 eP 36 43.00 -3.2
PNT 20.71 115 eP 37 25.00 -2.1
BW06 30.17 112 eP 38 54.00 -2.6
1.0s 3.33nm 4.1mb
RSSD 31.57 104 ePc 39 05.00 -3.9
0.5s 3.11nm 4.4mb
SRU 32.79 117 eP 39 16.92 -2.6
81 obs. associated

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* JUN 13, 1992 21h 28m 51.35± 0.90s
44.424 N ± 6.6km 11.631 E ± 7.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
MD 2.6 (FIR).

SFI 0.53 162 P 29 02.10 0.1
eSg 29 08.20
PGD 0.55 173 P 29 01.80 -0.9
eSg 29 06.60
FIR 0.70 203 e(Pg) 29 02.00 -3.1X
iSg 29 11.00
MME 0.71 251 P 29 05.90 0.4
eSg 29 13.40
BDI 0.83 244 P 29 07.20 -0.2
eSg 29 15.70
CRE 0.83 164 P 29 08.20 0.8
eSg 29 16.90
PII 1.06 229 P 29 11.20 -0.1
eSg 29 21.60
CTI 1.62 0 P 29 20.10 -0.1
S.D. = 0.6 on 7 of 8 obs.

JUN 13, 1992 21h 54m 31.96± 0.77s
49.148 S ±11.0km 164.852 E ± 6.9km
DEPTH = 33.0km (normal)
5.4mb (9 obs.) 4.9Msz (1 obs.)
AUCKLAND ISLANDS REGION (166)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 21:54:42.4 0.9
Lat 49.20S FIX;Lon 164.38E FIX
Dep 41.5 9.3 Half-duration 1.4
Moment Tensor; Scale 10**16 Nm
Mrr= 2.74 0.37 Mtt= 1.51 0.54
Mff=-4.25 0.51 Mrt= 2.48 0.85
Mrf=-0.43 0.65 Mtf= 1.47 0.50
Principal Axes:
T Val= 4.72 Plg=51 Azm=354
N 0.03 38 157
P -4.75 9 253
Best Double Couple:Mo=4.7*10**16
NP1:Strike= 19 Dip=49 Slip= 144
NP2: 134 64 47

BCZ 3.74 34 P 55 29.60 0.9
S 56 11.70
TUZ 4.55 47 P 55 43.00 2.8
TLC 4.89 38 P 55 45.60 0.4
MSZ 4.95 26 P 55 46.70 0.8
CMCZ 5.01 39 P 55 46.70 -0.2
S 56 44.00
MMCZ 5.07 37 P 55 47.60 -0.2
MHZ 5.08 38 P 55 47.70 -0.2
ODZ 5.70 46 P 55 55.90 -0.6
S 56 59.80
BWZ 5.76 39 P 55 56.00 -1.4
LMZ 6.23 31 P 56 04.80 0.9
MCQ 6.48 212 iPd 56 06.40 -1.1
e 57 18.90
EWZ 7.00 39 P 56 12.40 -2.3
MQZ 7.66 48 P 56 22.80 -1.1
S 57 46.30
LTZ 8.20 42 P 56 28.50 -3.0X
DSZ 8.86 36 eP 56 39.00 -1.7
KHZ 9.06 45 P 56 44.90 1.6
THZ 9.30 40 P 56 45.70 -1.0
S 58 27.20
ORZ 9.93 36 P 56 53.80 -1.6
WCZ 14.92 31 P 58 02.10 0.1
CNB 17.91 315 eP 58 40.00 -0.1
e(TT) 14 20.00
TOO 18.16 302 iPc 58 43.60 0.4
i 59 03.40
e 01 50.00
eTT 13 44.00
BFD 20.11 298 eP 59 02.00 -3.6X
ARMA 21.23 327 iPc 59 18.00 0.7
CMS 22.73 314 eP 59 32.00 -0.1
STK 24.55 306 iPc 59 50.60 0.9
0.9s 14.60nm 4.5mb
RMQ 25.84 325 eP 00 02.00 0.0
0.9s 111.00nm 5.5mb
i 00 04.30
DZM 27.05 3 iPc 00 14.90 1.7
CTA 32.60 326 iPc 01 02.80 0.3
0.8s 73.51nm 5.6mb
QIS 34.93 316 iPc 01 21.40 -1.3
1.0s 34.00nm 5.2mb
ASPA 35.18 305 iPc 01 23.40 -1.4
0.8s 48.30nm 5.5mb
Z 17s 1.00um 4.6MszX
WARB 37.38 294 eP 01 42.00 -1.3
WB2 38.00 309 iPc 01 46.60 -2.0
1.0s 33.70nm 5.2mb
iPcP 04 03.30
MTN 45.63 311 eP 02 49.00 -2.0
KAGJ 85.52 331 eP 07 08.80 1.3
KUMJ 86.79 332 eP 07 14.80 1.1
MAT 88.54 339 eP 07 23.00 1.0
1.3s 28.85nm 5.4mb
SSE 88.86 324 P 07 24.50 0.9
1.5s 23.00nm 5.3mb
Z 20s 0.50um 4.9Msz
CHG 89.31 300 eP 07 27.20 1.1
KMI 92.29 307 Pd 07 42.00 2.0
1.6s 40.00nm 5.6mb
sP 08 06.00
MAIO 125.81 286 ePKP 13 32.00 0.4
LMN 146.77 76 ePKPc 14 13.50 4.0X
OBN 148.30 301 iPKPc 14 15.70 4.1X
1.2s 75.00nm
e 14 33.00
e 15 51.00
KEV 151.22 331 iPKP 14 22.00 6.3X
VRI 151.79 279 ePKPd 14 22.50 5.2X
MLR 152.15 278 ePKP 14 25.00 7.0X
VAY 152.54 268 iPKP 14 25.30 6.8X
SKO 153.60 268 iPKP 14 27.20 7.2X
KAF 153.77 315 PKP 14 27.50 8.0X
0.8s 6.50nm
S.D. = 1.3 on 38 of 48 obs.

% JUN 13, 1992 22h 26m 46.50± 3.57s
33.604 S ± 6.9km 69.987 W ±25.9km
DEPTH = 10.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.1 (SAN).

FCH 0.37 317 iPd 26 54.40 0.1
iS 26 58.90
PCH 0.44 268 iPc 26 55.70 0.2
iS 27 00.50
CHCH 0.64 239 iPc 26 59.30 -0.1
iS 27 07.80
CACH 0.72 225 iPc 27 01.00 0.2
iS 27 11.00
PEL 0.74 308 iPc 27 01.00 -0.1
iS 27 10.70
TACH 0.79 266 iPc 27 01.90 -0.1
iS 27 12.20
LNV 1.24 253 iPd 27 09.30 -0.2
iS 27 25.20
S.D. = 0.2 on 7 of 7 obs.

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* JUN 13, 1992 22h 44m 04.77± 0.70s
21.630 N ±36.3km 93.019 E ±28.4km
DEPTH = 33.0km (normal)
4.4mb (6 obs.)
MYANMAR (296)

CHG 6.23 116 ePn 45 38.00 1.1
eSg 46 50.60
CHTO 6.23 116 eP 45 37.30 0.4
GUN 9.01 315 P 46 16.00 0.1
PKI 9.10 312 P 46 17.40 0.2
KKN 9.33 313 P 46 22.00 1.7
DMN 9.34 311 P 46 21.60 1.2
GKN 9.91 311 P 46 27.80 -0.4
WRA 57.78 133 P 53 55.30 -0.1
0.6s 2.60nm 4.5mb
WB2 57.79 133 iPd 53 54.90 -0.5
0.3s 10.70nm 5.4mb
ASPA 60.09 136 eP 54 11.30 0.0
0.5s 7.70nm 5.1mb
HFS 66.20 327 eP 54 49.40 -1.8
0.5s 1.20nm 4.2mb
GEC2 67.10 315 P 54 57.20 -0.1
0.5s 0.77nm 4.0mb
NB2 67.38 329 P 54 57.00 -1.7
0.7s 1.10nm 4.1mb
S.D. = 1.1 on 13 of 13 obs.

? JUN 13, 1992 22h 45m 13.05± 0.76s
12.130 N ±16.0km 144.702 E ±75.1km
DEPTH = 33.0km (normal)
4.5mb (3 obs.)
SOUTH OF MARIANA ISLANDS (210)

GUA 1.41 8 eP 45 37.30 0.6
GUMO 1.46 6 Pn 45 36.80 -0.5
Pg 45 37.60
eS 45 56.40
PJG 1.46 6 Pg 45 37.50 0.2
WB2 33.46 198 iPd 51 50.90 -0.5
0.5s 7.30nm 4.8mb
ASPA 37.11 197 eP 52 23.20 0.7
0.5s 4.20nm 4.6mb
MBC 79.72 14 eP 57 18.00 -0.7
YKA 84.22 27 eP 57 42.50 0.2
0.4s 0.70nm 4.2mb
S.D. = 0.7 on 7 of 7 obs.

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* JUN 14, 1992 00h 01m 59.90± 1.18s
37.973 N ±12.0km 21.281 E ±11.0km
DEPTH = 10.0km (geophysicist)
SOUTHERN GREECE (368)
MD 3.3 (ATH).

VLS 0.58 291 ePg 02 11.80 0.1
VLI 1.82 133 ePn 02 32.00 0.5
ATH 1.93 89 ePb 02 32.00 -1.0
KEK 2.09 327 ePg 02 46.00 10.6X
KZN 2.36 9 ePn 02 40.00 0.6
OHR 3.16 353 ePn 02 48.80 -1.8
VAY 3.49 16 ePn 02 56.80 1.6
S.D. = 1.6 on 6 of 7 obs.

JUN 14, 1992 00h 14m 48.36± 0.46s
35.438 N ± 5.3km 31.061 E ± 6.4km
DEPTH = 69.2 ± 9.5 km
CYPRUS REGION (372)
MD 4.2 (HLW).

PPCY 1.19 117 eP 15 09.60 0.1
eS 15 31.00
ELL 1.61 325 iPn 15 16.50 1.2
CSS 1.92 104 eP 15 18.20 -1.3
eS 15 45.80
FAM 2.45 100 eP 15 29.50 2.7
eS 16 04.40
KHL 3.13 337 iPn 15 35.50 -1.0
CIN 3.22 313 iPd 15 37.00 -0.6
ALT 3.69 348 iPn 15 44.50 0.2
ADAT 3.83 64 eP 15 46.10 0.0
BHL 4.08 111 Pn 15 50.00 0.2
Sn 16 28.00
ADI 4.17 123 eP 15 50.20 -0.9
IZM 4.24 315 iPn 15 51.60 -0.4
ATZ 4.36 126 eP 15 54.00 0.4
eS 16 40.80
ZNT 4.59 133 eP 15 55.80 -1.1
eS 16 47.00
BBTK 4.60 17 eP 15 58.00 0.9
SHMJ 4.75 123 P 15 58.70 -0.4

14d 00h

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NAL      4.76   2 eP     16 01.00    1.6
IZI      5.05 346 ePn    16 03.50    0.2
SGKT     5.19   8 eP     16 03.00   -2.4
KCT      5.26 337 iPn    16 05.60   -0.6
KOT      5.53 173 ePn    16 09.70   -0.3
                  eSn    17 08.50
HLW      5.57 177 eP     16 12.00    1.5
SAGI     6.02 149 eP     16 16.30   -0.6
                  eS     17 23.10
SHWJ     6.27 142 P      16 09.20  -11.3X
GEC2    18.52 322 P      19 01.70    0.1
        0.6s     0.45nm           2.9mb
KHC     18.77 322 eP     19 04.50    0.0
                  e      19 09.00
MOX     20.71 323 e(P)   19 25.70    0.7
GKN     45.71  84 P      23 05.00    0.5
KKN     46.31  84 P      23 08.60   -0.7
     S.D. = 1.1  on  27 of  28 obs.
-----------------------------------------
   JUN  14, 1992  01h 21m 09.87± 0.24s
    6.157 S ± 5.0km  104.252 E ± 5.1km
   DEPTH =  54.2km  ( 11 depth phases)
   5.2mb ( 39 obs.)
 SUNDA STRAIT                       (276)
      CENTROID, MOMENT TENSOR       (HRV)
      Data Used: GDSN
      L.P.B.:  9S, 12C
      Centroid Location:
      Origin Time         01:21:19.4 2.0
      Lat  6.11S  FIX;Lon 104.35E  FIX
      Dep  48.118.8 Half-duration  2.2
      Moment Tensor;   Scale 10**16 Nm
        Mrr= 1.10 0.43  Mtt=-0.87 0.51
        Mff=-0.22 0.79  Mrt= 2.41 1.10
        Mrf= 0.61 1.19  Mtf= 2.00 0.55
       Principal Axes:
        T  Val=  3.49   Plg=44   Azm=324
        N       -0.30      38        102
        P       -3.18      22        210
      Best Double Couple:Mo=3.3*10**16
       NP1:Strike=346 Dip=41 Slip= 160
       NP2:         92      77        51

KGM      8.17 353 ePd    23 10.00    1.5
IPM     11.14 343 ePd    23 49.10   -0.1
KMKI    11.48 102 ePd    23 51.80   -1.9
                  eS     25 52.60
                  e      27 56.70
KKM     17.01  45 ePc    25 08.00    2.2
NANU    19.61 147 eP     25 35.00   -1.7
                  eS     28 54.00
KHT     21.55 345 eP     25 55.00   -1.7
BDT     23.82 347 eP     26 17.20   -1.7
        0.7s    21.50nm           4.8mb
CGP     25.02  55 ePc    26 32.00    1.5
CHG     25.36 348 eP     26 32.50   -1.2
        0.8s    18.66nm           4.7mb
QIZ     25.63  12 P      26 37.20    1.1
KNA     25.86 114 eP     26 37.40   -0.9
MTN     27.31 106 eP     26 58.00   -1.7
        0.4s    83.00nm           5.7mb
ASPA    33.40 125 iPc    27 45.40   -0.2
        0.9s    19.00nm           5.0mb
                  eS     33 06.10
CD2     36.86 359 P      28 14.00   -0.9
        0.8s    31.00nm           5.3mb
                  eS     33 53.00
QIS     37.14 116 iPc    28 17.00   -0.4
                  i      28 25.00   27kmX
                  e      33 56.00
WHN     37.75  14 eP     28 24.00    1.7
PKI     38.16 332 P      28 24.50   -1.7
GUN     38.23 333 P      28 25.20   -1.7
DMN     38.33 332 P      28 26.20   -1.4
POO     38.74 310 iPd    28 18.20  -12.7X
GKN     38.88 332 P      28 30.60   -1.5
XAN     40.22   6 P      28 42.40   -0.5
        0.6s    20.00nm           5.1mb
SSE     40.43  23 Pc     28 46.50    1.9
        1.0s     9.00nm           4.5mb
    Z  20s     0.50um             4.4Msz
    N  12s     0.30um
                  pP     29 02.00   61km
LZH     42.02 360 eP     28 57.50   -0.3
        2.0s   110.00nm           5.3mb
    Z  18s     0.44um             4.4Msz
PMG     42.61  97 iPd    29 02.80    0.0
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        0.8s    74.63nm           5.5mb
CTA     43.04 113 eP     29 07.60    1.4
        1.0s    39.50nm           5.1mb
STK     43.24 131 iPd    29 08.10    0.4
        0.5s    25.00nm           5.2mb
NDI     43.34 324 iPc    29 08.20   -0.3
        0.6s   100.00nm           5.7mb
TIA     43.84  15 P      29 12.60    0.1
        1.2s    16.00nm           4.6mb
TIY     44.30   9 Pc     29 17.50    1.2
    Z  24s     0.82um             4.6MszX
    N  24s     1.79um
                  pP     29 33.50   63km
KAGJ    45.02  33 P      29 22.10    0.1
GTA     45.52 355 eP     29 26.00    0.0
        0.8s    16.00nm           5.0mb
    Z  20s     0.87um             4.7Msz
    N  15s     0.43um
KUMJ    46.04  32 P      29 30.40    0.4
CMS     46.30 128 eP     29 33.00    0.8
BFD     46.57 137 eP     29 31.00   -3.2X
                  i      29 45.60   56km
BTO     46.82   6 eP     29 36.00   -0.3
RMQ     46.94 121 eP     29 37.00   -0.3
HHC     47.25   8 eP     29 40.40    0.7
        0.8s    65.00nm           5.6mb
    Z  22s     0.65um             4.6Msz
                  pP     29 57.40   67kmX
BJI     47.26  12 eP     29 39.50   -0.1
        0.8s    62.00nm           5.6mb
    Z  16s     0.41um             4.5MszX
SHNJ    47.44  31 P      29 41.60    0.6
SNY     50.91  19 eP     30 06.90   -0.8
        1.0s    13.00nm           4.9mb
WMQ     51.95 345 iPc    30 15.40   -0.2
        1.0s   100.00nm           5.8mb
    Z  24s     0.28um             4.2MszX
                  pP     30 29.00   50km
                  ScS    39 57.00
KSH     52.37 332 P      30 19.20    0.3
CHJJ    53.15  35 P      30 23.40   -1.2
CN2     53.29  19 Pc     30 24.80   -0.6
        1.0s    66.00nm           5.6mb
                  PcP    31 32.00
PRZ     53.83 336 eP     30 29.50   -0.1
        1.6s    60.00nm           5.4mb
YAMJ    55.24  34 eP     30 39.40   -0.4
MDJ     55.44  22 eP     30 40.90   -0.3
        1.0s    17.00nm           5.0mb
FRU     55.70 334 iPc    30 42.50   -0.6
        1.8s    50.00nm           5.2mb
ZAK     56.32 359 iPc    30 47.40    0.1
        0.8s    25.00nm           5.3mb
    Z  14s     0.29um             4.5MszX
OFUJ    56.78  34 eP     30 50.30   -0.6
CIT     58.48   7 eP     31 03.00    0.4
MAIO    59.50 319 iPc    31 08.00   -2.0
ASAJ    60.83  31 eP     31 17.90   -0.9
DZM     61.96 112 iPc    31 27.00   -0.1
YSS     62.93  29 eP     31 32.00   -0.9
BOD     64.30   6 iP     31 41.00   -0.7
GRS     70.06 316 iPc    32 17.40   -1.1
        1.0s    20.00nm           5.0mb
YAK     70.76  12 iPc    32 20.90   -1.2
        0.8s    99.00nm           5.8mb
SVE     72.12 337 iPc    32 30.00   -0.4
        2.0s    60.00nm           5.2mb
    Z  27s     0.40um             4.6MszX
    N  27s     0.10um
    E  27s     0.10um
GRO     72.22 319 eP     32 32.00    0.8
                  e      32 48.00   58km
ARU     72.67 335 iPc    32 33.00   -0.6
        1.0s    50.00nm           5.4mb
                  e      32 46.00   45km
                  i      32 51.00
PYA     74.23 319 iPc    32 43.00    0.0
KIV     74.44 319 iP     32 44.70    0.4
                  i      32 59.90   54km
BUL     74.44 251 iPc    32 44.00   -0.8
        1.0s     6.00nm           4.5mb
                  i      33 01.00   62km
MBH     75.41 303 eP     32 50.40    0.3
MGD     75.50  22 ePc    32 49.70   -0.2
        0.6s    50.00nm           5.6mb
                  e      32 55.00   17kmX
JVI     75.63 305 eP     32 51.70    0.4
```

```
ATZ     75.95 306 eP     32 54.00    0.9
NRI     76.21 354 iPc    32 52.00   -1.7
        1.3s    18.00nm           4.9mb
                  e      33 05.00   45km
CSS     78.10 308 eP     33 05.50    0.5
MOS     82.23 328 eP     33 28.00    1.6
                  e      33 43.00   52km
OBN     82.52 328 iPc    33 29.00    1.0
        1.4s    48.00nm           5.3mb
KIS     84.61 318 iPd    33 39.00    0.3
        1.0s    90.00nm           5.8mb
                  i      33 50.00   35kmX
ISR     85.72 316 eP     33 47.50    3.0X
VRI     85.77 317 ePd    33 44.50   -0.1
MLR     86.22 316 ePc    33 48.00    1.0
BCAO    86.22 275 ePc    33 48.40    0.9
        0.8s     7.00nm           4.9mb
MNK     87.15 325 eP     33 51.00   -0.1
PUL     87.29 331 (P)    33 53.00    1.4
        0.8s   140.00nm           6.2mb X
VAY     87.81 312 iP     33 55.00    0.4
OHR     89.09 311 eP     33 57.50   -3.3X
UZH     89.28 319 eP     34 02.50    1.1
        1.0s    25.00nm           5.5mb
                  e      34 17.70   52km
KAF     89.79 333 iP     34 04.30    0.7
        0.7s     8.90nm           5.2mb
NUR     90.22 331 iP     34 06.00    0.5
        0.5s     3.10nm           4.9mb
SRO     91.79 318 eP     34 13.00   -0.1
UPP     93.58 330 iP     34 24.40    3.4X
LJU     94.19 316 e(P)   34 25.00    0.8
GEC2    94.95 318 PKP    34 26.20   -1.6
        0.6s     0.84nm           4.4mb
HFS     95.57 330 eP     34 29.70   -0.5
        0.5s     1.00nm           4.6mb
    Z  17s     0.05um             4.1MszX
                  LR     16 19.00
GRF     96.61 319 eP     34 36.40    1.2
        1.1s     5.00nm           5.0mb
NB2     96.82 331 P      34 51.80   15.9X
        0.9s     2.20nm
YKA    116.99  19 ePKP   39 49.10   -0.8
        0.7s     1.10nm
PNT    123.34  33 ePKP   40 03.00    0.5
FCC    125.65  12 ePKP   40 08.00    1.4
MSU    133.92  40 ePKP   40 25.23    1.8
ALQ    139.73  40 ePKP   40 32.30   -2.0
        1.0s    12.50nm
MEO    144.56  33 iPKPc  40 41.20   -1.3
OCO    144.60  31 iPKPc  40 43.50    1.0
FKO    144.84  32 iPKPc  40 42.50   -0.4
SIO    145.01  30 ePKP   40 43.40    0.2
LNO    145.13  29 ePKP   40 43.00   -0.3
                  e      40 56.30
TUL    145.13  29 ePKP   40 43.30   -0.1
        0.6s    54.90nm
                  e      40 56.20
                  e      41 01.10
CCM    145.26  22 iPKP   40 43.78    0.2
RLO    145.29  28 ePKP   40 43.50   -0.2
                  e      40 57.30
                  e      41 02.30
LVNJ   145.49 359 iPKP   40 43.77   -0.1
VVO    145.62  30 ePKP   40 44.70    0.5
                  e      40 58.60
                  e      41 03.90
FVM    145.62  21 iPKPc  40 44.17    0.0
UYO    147.18  29 iPKPd  40 49.30    2.5X
OLY    147.41  24 ePKP   40 48.92    1.8
NA2    148.12   3 ePKP   40 49.07    0.9
                  iPKPbc40 52.16
CVL    148.23   4 (PKP)  40 49.57    1.2
                  iPKPbc40 52.03
NAV    148.65   8 ePKP   40 49.75    0.6
                  iPKPbc40 52.58
TKL    149.73  13 ePKP   40 51.55    0.8
                  iPKPbc40 55.89
CEH    150.25   5 ePKP   40 52.85    1.3
                  iPKPbc40 57.42
ZOBO   156.46 199 PKP    41 15.20   13.6X
     S.D. = 1.0  on 108 of 116 obs.
-----------------------------------------
*  JUN  14, 1992  01h 43m 52.08± 0.81s
   10.328 N ±10.7km  126.543 E ±13.8km
   DEPTH =  33.0km  (normal)
   4.8mb (  6 obs.)
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 PHILIPPINE ISLANDS REGION          (248)

PLP      1.75 299 ePd    44 21.30    0.8
                  eS     44 41.70
BIP      2.11 188 ePc    44 24.00   -1.7
                  eS     45 17.00
MAP      2.52 270 ePd    44 33.00    1.4
CGP      2.61 225 ePd    44 32.00   -0.8
                  iS     45 05.00
QIS     33.27 157 eP     50 29.00    0.2
                  i      50 42.00
ASPA    34.54 168 iPd    50 42.70    2.9
        1.5s     6.00nm            4.3mb
KEV     83.67 340 eP     56 18.00   -0.4
KAF     85.70 332 iP     56 28.10   -0.6
        0.9s     9.70nm            5.0mb
NUR     86.88 331 iP     56 34.10   -0.4
        0.7s     6.60nm            5.0mb
HFS     92.12 333 eP     56 57.70   -1.5
        1.1s     7.20nm            5.0mb
NB2     92.82 334 P      57 01.20   -1.3
        0.7s     2.10nm            4.7mb
YKA     93.60  24 eP     57 07.60    1.6
        0.8s     0.60nm            4.1mb
     S.D. = 1.6  on  12 of  12 obs.
----------------------------------------
? JUN 14, 1992  01h 56m 47.66± 1.07s
   43.105 N ±19.0km    0.639 W ± 9.0km
   DEPTH =  10.0km  (geophysicist)
 PYRENEES                           (378)
      ML 1.0 (STR).

ATE      0.05 246 Pg     56 49.67   -0.2
                  Sg     56 51.10
ESCF     0.05 120 Pg     56 49.80   -0.1
                  Sg     56 51.73
OGE      0.14  63 Pg     56 50.89    0.0
ISSF     0.14 236 Pg     56 51.08    0.0
                  Sg     56 53.94
     S.D. = 0.2  on   4 of   4 obs.
----------------------------------------
* JUN 14, 1992  02h 14m 21.84± 0.52s
   12.547 N ±13.4km  143.830 E ±14.5km
   DEPTH =  23.7km  (  5 depth phases)
   4.6mb (  7 obs.)  4.1Msz (  1 obs.)
 SOUTH OF MARIANA ISLANDS           (210)

GUA      1.44  47 Pn     14 45.60   -1.0
GUMO     1.45  44 eP     14 46.10   -0.6
                  eS     15 06.60
PJG      1.45  44 Pn     14 46.20   -0.5
BJI     36.65 323 eP     21 28.00   -0.4
        1.0s    11.00nm            4.7mb
     Z  20s      0.30um           4.1Msz
ASPA    37.28 195 iPc    21 32.10   -1.8
        0.6s    10.40nm            4.8mb
MBC     79.52  14 eP     26 27.50   -0.3
        0.5s     1.00nm            4.1mb
GMW     83.12  43 eP     26 47.93    0.7
                  epP    26 55.32   23km
RMW     83.79  43 eP     26 50.82    0.1
                  epP    26 58.75   25km
LON     83.93  44 eP     26 51.29   -0.2
YKA     84.24  27 eP     26 51.50   -1.1
        0.8s     2.40nm            4.5mb
PNT     84.82  41 ePc    26 56.00    0.2
        0.6s     4.00nm            4.8mb
LBFM    85.00  49 eP     26 57.70    0.6
                  epP    27 05.18   24km
DPW     86.07  42 eP     27 01.80   -0.3
                  epP    27 09.28   24km
ARN     86.13  53 eP     27 03.31    0.7
SES     89.84  38 ePc    27 19.40   -0.7
PEC     90.42  55 eP     27 23.57    0.4
        1.3s    16.85nm            5.2mb
                  epP    27 30.96   23km
LRM     90.44  43 eP     27 23.40    0.1
HPI     90.66  45 eP     27 26.62    2.2
MSU     92.95  50 eP     27 35.79    0.9
BW06    93.41  45 eP     27 36.50   -0.5
        1.0s     1.33nm            4.3mb
FCC     94.94  26 eP     27 44.00    0.7
ZOBO   148.84 101 PKP    34 07.70    0.9
     Z  24s      0.08um          4.4MszX
                  LR     38 36.00
LPB    148.86 101 PKP    34 12.00    5.4X
     S.D. = 0.9  on  22 of  23 obs.
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----------------------------------------
% JUN 14, 1992  02h 26m 33.29± 1.09s
   44.397 N ±14.2km   10.279 E ±11.7km
   DEPTH =  10.0km  (geophysicist)
 NORTHERN ITALY                     (545)

MME      0.36 124 P      26 40.10   -0.8
                  eSg    26 45.60
BDI      0.41 145 P      26 41.00   -0.6
                  eSg    26 47.10
PII      0.70 165 P      26 47.70    0.6
                  eSg    26 55.50
BOB      0.70 302 P      26 47.00   -0.2
                  eSg    26 59.10
SFI      1.23 112 P      26 57.00    0.9
     S.D. = 1.0  on   5 of   5 obs.
----------------------------------------
  JUN 14, 1992  02h 26m 42.29± 0.23s
   44.334 N ± 1.7km    7.306 E ± 2.5km
   DEPTH =   5.0km  (geophysicist)
 NORTHERN ITALY                     (545)
      ML 2.3 (GEN), 2.3 (LDG).

STV      0.09 171 P      26 44.65    0.2
                  S      26 45.95
ENR      0.14 142 P      26 45.43    0.3
                  S      26 47.38
DOI      0.18 346 P      26 46.50    0.6
                  eSg    26 49.50
PZZ      0.23 320 P      26 47.38    0.5
                  S      26 50.76
TOUF     0.32 187 Pg     26 48.82    0.0
AUTN     0.35 165 Pg     26 49.60    0.2
ROB      0.41  95 P      26 51.41    0.9
                  S      26 57.87
FOUF     0.42 298 ePg    26 50.63   -0.1
                  e(Sg)  26 55.56
AURF     0.45 178 Pg     26 51.14   -0.1
                  Sg     26 57.36
SBF      0.48 169 Pg     26 51.10   -0.8
                  Sg     26 58.70
BHB      0.51 357 P      26 52.51    0.0
                  S      26 59.99
REVF     0.60 176 Pg     26 54.39    0.2
IMI      0.60 135 P      26 54.18   -0.1
                  S      27 02.39
CALN     0.65 207 Pg     26 55.24   -0.2
FIN      0.66 101 P      26 55.62    0.1
                  S      27 04.64
RRL      0.69 328 P      26 56.03   -0.2
                  S      27 05.43
RSP      0.82 358 P      26 57.33   -1.4
                  S      27 07.61
FRF      0.91 212 Pg     27 00.30    0.2
                  Sg     27 11.10
PCP      0.91  76 P      26 59.89   -0.4
                  S      27 12.50
LRG      1.11 218 Pg     27 03.60    0.0
                  Sg     27 17.40
LMR      1.15 210 Pg     27 04.50    0.2
                  Sg     27 18.90
LPG      1.23 342 Pg     27 05.80    0.0
                  Sg     27 22.00
LPL      1.25 341 Pg     27 06.20    0.1
PGF      2.17 145 Pn     27 19.00   -0.7
                  Sn     27 43.20
BGF      3.85 307 Pn     27 43.90    0.5
     S.D. = 0.5  on  25 of  25 obs.
----------------------------------------
* JUN 14, 1992  03h 01m 54.69± 0.59s
   12.551 N ±12.1km  143.722 E ±10.3km
   DEPTH =  33.0km  (normal)
   4.7mb (  4 obs.)
 SOUTH OF MARIANA ISLANDS           (210)

GUMO     1.52  47 Pn     02 18.70   -1.1
                  Pg     02 19.70
                  Sn     02 39.30
                  Sg     02 40.90
PJG      1.52  47 Pg     02 19.60   -0.2
GUA      1.52  50 Pn     02 19.30   -0.5
WB2     33.58 196 iPc    08 32.60   -1.5
        0.7s    11.30nm            4.9mb
BJI     36.58 323 eP     09 01.00    1.5
ASPA    37.25 195 iPd    09 05.60    0.3
        0.6s     5.40nm            4.6mb
GUN     55.91 295 P      11 32.00   -0.5
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        0.8s    15.00nm            5.1mb
PKI     56.31 295 P      11 34.60   -0.8
KKN     56.44 295 P      11 36.00   -0.1
GKN     57.02 295 P      11 39.20   -1.0
YKA     84.29  27 eP     14 24.50    0.2
        1.0s     1.60nm            4.1mb
DPW     86.14  42 eP     14 34.97    1.0
ABL     88.62  55 ePc    14 46.65    0.3
ZOBO   148.95 101 PKP    21 40.80    2.4
                  LR     31 20.00
LPB    148.96 101 PKP    21 44.50    6.4X
     S.D. = 1.2  on  14 of  15 obs.
----------------------------------------
? JUN 14, 1992  03h 43m 27.83± 0.88s
   26.156 S ±12.6km  177.438 W ±14.9km
   DEPTH =  33.0km  (normal)
   4.6mb (  5 obs.)
 SOUTH OF FIJI ISLANDS              (171)

RAO      3.11 188 eP     44 15.80    0.1
                  S      45 50.50
RMQ     30.26 262 eP     49 38.80    0.7
        1.0s    39.00nm            5.2mb
CTA     33.86 273 iPd    50 10.90    1.3
        0.9s    48.32nm            5.4mb
QIS     39.70 269 iPc    50 58.70   -0.2
                  i      52 03.00
ASPA    44.00 262 iPd    51 33.50   -0.6
        1.6s    13.10nm            4.5mb
WB2     44.59 268 iPc    51 38.10   -0.8
        1.1s     5.20nm            4.3mb
WRA     44.60 268 P      51 38.50   -0.5
        0.8s     1.00nm            3.7mb
NB2    144.63 353 PKP    03 02.20    0.1
        0.8s     6.90nm
UPP    144.74 347 iPKP   03 01.70   -0.5
HFS    145.18 350 ePKP   03 03.60    0.6
        0.4s     1.70nm
OJC    152.55 336 ePKP   03 23.60    8.8X
BCAO   153.53 218 ePKPc  03 30.10   12.8X
        1.0s    20.00nm
                  ic     04 30.00
     S.D. = 0.8  on  10 of  12 obs.
----------------------------------------
* JUN 14, 1992  03h 44m 33.61± 0.66s
   26.903 S ±18.3km  177.466 W ±12.0km
   DEPTH =  33.0km  (normal)
   5.1mb ( 10 obs.)  4.6Msz (  2 obs.)
 SOUTH OF FIJI ISLANDS              (171)

DZM     15.41 285 iPc    48 09.50   -0.9
ARMA    27.30 255 e(P)   50 18.00    0.7
RMQ     30.13 263 iPc    50 43.40    0.7
        1.0s    69.00nm            5.4mb
CMS     32.27 253 eP     51 02.00    0.6
CTA     33.87 274 iPc    51 15.30   -0.2
        1.1s   138.61nm            5.8mb
                  eS     56 49.00
STK     35.86 252 iPc    51 33.10    0.7
        1.0s     3.20nm            4.2mb
ASPA    43.88 263 iPc    52 38.40   -0.5
        1.4s    19.30nm            4.7mb
     Z  21s      0.50um           4.4Msz
WB2     44.54 268 iPd    52 43.70   -0.6
        0.6s     7.90nm            4.7mb
WRA     44.55 268 P      52 43.70   -0.7
        0.5s     2.10nm            4.2mb
SPA     63.25 180 iPc    55 02.20    1.1
        1.0s    14.50nm            5.1mb
MAT     75.66 324 eP     56 20.00    2.7
                  eS     05 40.00
GMW     88.93  34 eP     57 30.29    4.4X
SLKM    89.90  13 eP     57 31.01    0.8
CRP     90.23  12 eP     57 31.92    0.1
BJI     90.77 315 eP     57 38.50    4.0X
        2.0s    62.00nm            5.6mb
     Z  32s      0.61um          4.8MszX
TTA     91.14  10 eP     57 36.69    0.8
        1.7s    37.07nm            5.5mb
CHTO    92.86 290 P      57 45.00    0.4
FBA     94.37  12 eP     57 51.46    0.9
        0.8s     5.62nm            5.0mb
KAF    141.40 342 ePKP   04 03.50    1.3
        0.6s     1.20nm
OBN    142.51 328 ePKP   04 03.00   -1.4
NUR    143.17 342 iPKP   04 00.00   -5.3X
        1.0s     8.30nm
```

14d 04h

NB2 145.37 353 PKP 04 07.10 -2.1
0.8s 16.30nm
UPP 145.45 347 iPKP 04 07.30 -1.9
HFS 145.91 350 ePKP 04 08.30 -1.7
0.9s 25.40nm
Z 19s 0.19um 4.9Msz
LR 56 16.00
MUD 150.08 353 ePKP 04 24.50 7.8X
1.1s 19.00nm
MML 150.98 289 ePKP 04 25.00 6.1X
DSI 151.03 287 ePKP 04 23.80 4.9X
MBH 151.44 283 ePKP 04 25.90 6.2X
OJC 153.22 335 ePKP 04 29.00 7.5X
SPC 153.87 333 ePKP 04 29.60 6.9X
e 36 17.30
CLL 154.36 345 ePKP 04 33.00 10.0X
e 04 49.00
BRG 154.53 343 ePKP 04 34.20 11.0X
e 04 45.20
MOX 155.30 346 e(PKP)04 33.00 8.7X
e 04 53.40
ZST 155.89 336 e(PKP)04 28.30 3.1X
e 04 51.00
KHC 156.21 342 ePKP 04 25.00 -0.7
e 04 38.50
e 04 51.50
S.D. = 1.2 on 22 of 35 obs.

% JUN 14, 1992 03h 44m 46.51± 0.89s
44.356 N ±11.8km 10.251 E ± 9.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.36 117 P 44 53.40 -0.6
eSg 44 57.80
BDI 0.38 140 P 44 54.10 -0.3
eSg 44 59.60
PII 0.66 163 P 45 00.00 0.3
eSg 45 08.90
BOB 0.71 306 P 45 00.40 -0.1
eSg 45 11.30
PGD 1.16 114 P 45 08.50 0.1
SFI 1.23 110 P 45 10.00 0.6
S.D. = 0.6 on 6 of 6 obs.

? JUN 14, 1992 04h 16m 36.65± 3.02s
26.884 S ±27.8km 177.509 W ±17.4km
DEPTH = 101.3 ± 24.3 km
4.3mb (4 obs.)
SOUTH OF FIJI ISLANDS (171)

RAO 2.39 189 P 17 14.70 -0.2
S 17 52.50
DZM 15.37 285 iPc 20 10.00 0.7
CTA 33.83 274 eP 23 11.50 0.2
1.2s 98.44nm 5.5mb X
STK 35.83 252 iPc 23 29.00 0.8
1.1s 2.80nm 4.1mb
ASPA 43.85 263 iPd 24 34.20 -0.4
1.6s 21.90nm 4.7mb
WB2 44.50 268 eP 24 38.80 -1.1
0.8s 5.90nm 4.5mb
WRA 44.51 268 P 24 39.30 -0.7
0.9s 2.80nm 4.1mb
NB2 145.34 353 PKP 36 02.60 -0.9
1.0s 15.00nm
UPP 145.43 347 iPKP 36 02.60 -1.0
HFS 145.88 350 ePKP 36 03.80 -0.6
0.9s 13.90nm
BCAO 152.92 217 ePKPd 36 18.00 1.4
1.0s 5.00nm
OJC 153.18 335 ePKP 36 24.40 8.5X
CLL 154.33 345 ePKP 36 26.00 8.6X
e 36 39.00
BRG 154.50 343 ePKP 36 29.00 11.4X
e 36 41.10
ZST 155.86 336 e(PKP)36 21.30 1.8
e 36 47.60
KHC 156.18 342 ePKP 36 25.00 5.0X
e 36 48.40
e 36 52.50
S.D. = 1.1 on 12 of 16 obs.

% JUN 14, 1992 04h 23m 41.51± 3.84s
42.812 N ± 9.1km 18.059 E ±26.5km
DEPTH = 5.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.8 (TTG).

BRY 0.37 76 iPgd 23 49.03 0.1
iSg 23 57.06
HCY 0.49 138 iPgc 23 51.27 0.0
iSg 24 00.99
NKY 0.69 90 iPgc 23 55.22 -0.1
iSg 24 08.37
BDV 0.78 133 iPgd 23 56.58 -0.5
iSg 24 10.82
TTG 0.97 113 iPgc 24 00.34 0.0
iSg 24 17.74
PLE 1.11 62 iPgc 24 02.22 -0.6
iSg 24 20.83
ULC 1.22 133 iPgd 24 05.04 0.3
iSg 24 25.44
IVA 1.35 87 iPgd 24 07.51 0.5
iSg 24 30.43
PVY 1.43 98 iPnc 24 08.91 0.7
iSn 24 33.13
S.D. = 0.5 on 9 of 9 obs.

? JUN 14, 1992 04h 27m 08.11± 3.63s
44.179 N ± 9.6km 10.714 E ±40.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.02 326 P 27 10.10 -0.2
eSg 27 13.00
BDI 0.14 216 P 27 11.40 -0.1
eSg 27 17.00
PII 0.48 197 P 27 17.90 0.1
eSg 27 25.70
BOB 1.08 303 P 27 28.50 0.0
S.D. = 0.2 on 4 of 4 obs.

JUN 14, 1992 04h 30m 44.81± 1.08s
23.685 N ± 5.2km 121.847 E ±10.7km
DEPTH = 11.8 ± 5.8 km
4.2mb (4 obs.)
TAIWAN (244)
ML 3.7 (BJI).

TWD 0.46 330 ePc 30 54.40 0.2
eS 30 59.00
TWF1 0.60 237 ePd 30 56.70 -0.1
TWC 0.92 0 ePd 31 03.40 1.2
eS 31 15.80
TWQ 1.10 303 ePd 31 02.30 -2.9
TWG 1.12 220 eP 31 06.30 0.7
TATO 1.33 346 iPc 31 08.90 -0.2
S 31 26.00
TWZ 1.43 350 ePd 31 10.80 0.3
QZH 3.22 294 ePn 31 31.90 -4.3X
SSE 7.40 356 P 32 33.00 -2.3
Z 12s 0.50um
NJ2 8.74 343 eP 32 55.00 1.0
S 34 29.00
GYA 14.03 284 P 34 09.00 3.2X
TIY 16.14 332 eP 34 33.00 -0.1
Z 16s 0.60um
N 11s 0.33um
BJI 17.00 345 eP 34 45.00 1.2
CD2 17.60 298 P 34 53.20 1.6
Z 10s 0.86um
eS 38 06.00
HHC 19.17 336 eP 35 10.60 -0.3
CHG 21.88 262 P 35 40.20 0.6
CHTO 21.88 262 eP 35 40.00 0.5
1.0s 8.25nm 4.1mb
pP 35 47.00 25kmX
WRA 45.04 163 P 39 02.20 -0.2
0.6s 1.30nm 4.0mb
WB2 45.05 163 eP 39 01.50 -0.9
0.7s 3.20nm 4.4mb
ASPA 48.50 165 eP 39 29.40 -0.2
0.9s 2.80nm 4.3mb
S.D. = 1.3 on 18 of 20 obs.

? JUN 14, 1992 04h 46m 11.46± 3.56s
8.765 S ±27.3km 124.097 E ±13.2km
DEPTH = 164.4 ± 22.7 km
4.8mb (8 obs.)
TIMOR REGION, INDONESIA (289)

MTN 8.01 121 eP 48 05.90 -0.1
0.3s 221.00nm 6.2mb X
eS 49 34.00
KNA 8.31 147 eP 48 10.70 0.8
0.3s 11.00nm 4.9mb
eS 49 44.00
WB2 14.90 139 eP 49 33.40 -1.8
0.4s 42.50nm 5.2mb
eS 52 14.90
NANU 16.00 210 eP 49 49.20 0.4
0.3s 7.00nm 4.5mb
eS 52 41.00
WARB 17.49 172 iPd 50 08.00 1.1
0.2s 11.00nm 4.9mb
ASPA 17.54 149 iPd 50 08.30 0.8
0.7s 50.60nm 5.0mb
eS 53 22.00
MEEK 18.52 196 iPd 50 17.20 -0.8
OIS 19.02 130 iPd 50 23.00 -0.3
0.1s 55.00nm 5.9mb X
i 50 27.00
eS 53 52.00
MRWA 21.72 199 eP 50 50.10 -0.3
0.3s 3.00nm 4.2mb
COOL 22.18 187 eP 50 54.80 0.0
FORT 22.21 171 eP 50 56.00 0.9
BAL 22.80 197 eP 51 00.00 -0.8
KLB 23.47 194 eP 51 06.50 -0.8
0.2s 7.00nm 4.8mb
STK 28.16 147 iPd 51 50.50 0.1
0.3s 3.50nm 4.6mb
PPD 149.07 188 ePKP 05 38.70 0.7
S.D. = 0.9 on 15 of 15 obs.

? JUN 14, 1992 04h 52m 31.84± 1.03s
26.241 S ±15.8km 178.557 W ±21.4km
DEPTH = 33.0km (normal)
4.2mb (4 obs.)
SOUTH OF FIJI ISLANDS (171)

RAO 3.05 169 P 53 18.90 0.0
S 53 53.50
BKM 14.91 302 iPc 56 02.10 0.0
ASPA 42.99 263 iPd 00 38.00 8.0X
1.2s 12.20nm 4.5mb
WB2 43.58 268 eP 00 34.70 -0.1
0.8s 2.10nm 4.0mb
WRA 43.59 268 P 00 39.50 4.7X
0.9s 0.80nm 3.5mb
SPA 63.91 180 eP 02 54.00 -9.7X
0.9s 6.36nm 4.7mb
CRPM 83.03 42 ePc 05 05.06 9.8X
NB2 144.58 352 PKP 12 06.10 0.0
1.0s 2.60nm
UPP 144.58 346 iPKP 12 10.20 4.2X
HFS 145.08 349 ePKP 12 06.80 -0.1
0.5s 1.10nm
S.D. = 0.1 on 5 of 10 obs.

% JUN 14, 1992 04h 59m 37.58± 0.63s
33.774 S ±13.0km 70.624 W ±16.0km
DEPTH = 90.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.2 (SAN).

CHCH 0.16 189 iPc 59 50.50 -0.3
iS 00 00.70
PCH 0.18 31 iPc 59 50.90 0.0
iS 00 00.70
TACH 0.29 295 iPc 59 51.20 0.0
iS 00 01.70
CACH 0.34 177 iPd 59 51.90 0.3
iS 00 02.60
FCH 0.53 32 iP 59 53.00 -0.1
iS 00 04.40
PEL 0.63 355 iP 59 53.90 0.2
iS 00 06.40
LNV 0.68 254 iPc 59 54.00 -0.1
iS 00 06.40
S.D. = 0.2 on 7 of 7 obs.

& JUN 14, 1992 05h 04m 50.63s
61.084 N 152.141 W
DEPTH = 105.1km
3.3mb (2 obs.)
SOUTHERN ALASKA (2)
<AEIC>.

BKG 0.06 257 iPc 05 04.67 0.8

eS 05 16.45
SPU 0.11 23 iPc 05 04.79 0.9
eS 05 16.55
CKN 0.14 352 iPc 05 05.06 1.2
CKL 0.15 320 iPc 05 05.04 1.0
CRP 0.18 358 iPc 05 04.44 0.3
CPKM 0.19 346 iPc 05 05.45 1.2
eS 05 17.26
BGL 0.22 326 ePc 05 05.15 1.0
NCG 0.32 359 iPc 05 05.45 -0.8
RDT 0.53 194 iPd 05 06.65 -0.8
eS 05 19.59
NKA 0.56 127 iPc 05 08.87 1.3
DFR 0.56 209 iPd 05 06.92 -0.8
REF 0.66 205 iPd 05 07.78 -0.8
RS2 0.69 206 iPd 05 08.18 -0.8
RSO 0.69 206 iPd 05 08.19 -0.8
RS1 0.70 206 iPd 05 08.26 -0.7
RED 0.74 205 iPd 05 08.48 -0.7
eS 05 22.57
SUA 0.78 60 iPc 05 09.21 -0.4
eS 05 24.07
SKT 0.95 18 iPc 05 10.25 -0.9
eS 05 25.65
SLKM 1.10 121 iPc 05 12.41 -0.5
INE 1.12 204 iPd 05 12.23 -1.0
NNL 1.13 158 iPd 05 13.57 0.5
INW 1.13 206 iPd 05 12.41 -0.9
PWA 1.23 61 P 05 13.60 -0.7
PMS 1.26 82 P 05 14.10 -0.6
HOM 1.45 170 ePd 05 16.64 -0.3
PTE 1.54 97 iPc 05 16.65 -1.3
PLRM 1.54 69 iPc 05 16.34 -1.6
PMR 1.54 69 iPc 05 16.08 -1.9
eS 05 36.93
CUT 1.60 33 iPd 05 17.91 -0.8
CNPM 1.63 164 eP 05 18.02 -1.1
XLV 1.65 173 eP 05 18.87 -0.5
PDB 1.65 219 ePd 05 18.55 -0.9
SVW 1.69 272 eP 05 17.15 -2.8
GHO 1.69 65 iPc 05 18.47 -1.6
eS 05 40.89
KNK 1.81 78 iPc 05 19.89 -1.6
eS 05 43.77
AUL 1.83 201 ePd 05 21.04 -0.6
AUE 1.84 200 ePd 05 20.88 -0.9
AUP 1.84 201 ePd 05 21.31 -0.6
AUH 1.84 201 ePd 05 21.39 -0.6
AUI 1.87 201 eP 05 21.31 -0.9
eS 05 45.02
SML 1.97 67 iPc 05 21.57 -2.0
MCNL 2.20 211 ePd 05 25.51 -1.0
eS 05 52.45
HUR 2.24 31 eP 05 25.26 -1.8
CDD 2.29 200 eP 05 26.63 -1.1
SCM 2.43 70 ePc 05 27.66 -2.0
SYI 2.49 183 ePd 05 29.18 -1.1
TRF 2.53 19 ePd 05 29.04 -2.0
KTH 2.54 12 iPd 05 29.07 -2.1
TTA 2.60 317 eP 05 28.53 -3.4
RND 2.79 32 eP 05 32.75 -1.8
VLZ 2.82 86 iPc 05 32.41 -2.4
HIN 2.85 102 ePc 05 31.98 -3.3
KLU 3.03 80 iPc 05 35.19 -2.5
TOA 3.03 68 P 05 36.50 -1.2
MCK 3.05 28 eP 05 36.08 -1.8
CVA 3.18 97 ePc 05 36.31 -3.3
eS 06 14.82
MID 3.33 117 P 05 38.50 -3.2
BWN 3.34 21 eP 05 39.85 -2.0
KDC 3.35 183 eP 05 38.75 -3.2
TZL 3.35 70 eP 05 40.36 -1.7
SDG 3.45 62 ePc 05 41.67 -1.7
PAX 3.67 56 eP 05 44.54 -1.9
NEA 3.78 21 eP 05 44.58 -3.2
THY 3.80 49 eP 05 46.30 -1.8
WRH 3.88 27 eP 05 46.14 -3.0
DDM 3.98 44 P 05 46.90 -3.8
MLY 4.01 9 eP 05 47.97 -3.1
GLB 4.04 81 ePc 05 48.67 -2.8
HDA 4.10 33 ePd 05 49.44 -2.8
DJE 4.20 43 eP 05 52.12 -1.5
MDM 4.28 23 ePd 05 51.38 -3.3
FBA 4.31 25 ePn 05 51.96 -3.2
GLM 4.47 27 eP 05 54.66 -2.8
TGL 4.56 90 eP 05 55.53 -3.1
BALM 4.76 86 eP 05 58.31 -3.1
IMA 5.05 353 P 06 02.20 -3.2
WRG 5.10 97 eP 06 04.34 -1.6
YAH 5.16 94 eP 06 04.98 -2.0
PRP 5.36 31 eP 06 07.20 -2.5
FYU 6.29 26 eP 06 18.88 -3.5
YKA 17.64 69 eP 08 48.00 -2.7
0.7s 0.70nm 3.0mb
MBC 18.85 24 eP 09 02.50 -2.1
0.7s 2.00nm 3.5mb
82 obs. associated

JUN 14, 1992 05h 13m 09.75± 0.27s
44.498 N ± 3.2km 10.351 E ± 2.6km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
MD 3.1 (TRI). ML 2.9 (LDG).

MME 0.39 140 Pd 13 17.80 -0.1
eSg 13 23.80
BDI 0.47 158 P 13 18.70 -0.6
eSg 13 25.40
BOB 0.70 293 P 13 24.70 1.1
eSg 13 36.00
PII 0.79 171 P 13 25.40 0.4
eSg 13 34.80
FIR 0.97 138 e(Pg) 13 30.00 1.8
iSg 13 41.50
SAL 1.12 6 P 13 32.60 1.9
eSg 13 50.30
PGD 1.17 122 P 13 32.90 1.3
eSg 13 47.60
SFI 1.22 118 P 13 33.70 1.2
eSg 13 50.00
PCP 1.29 273 P 13 35.11 1.4
CRE 1.44 126 P 13 36.00 0.0
eSg 13 53.20
CKI 1.48 268 P 13 36.80 0.3
FIN 1.56 260 P 13 37.57 -0.1
ROB 1.79 264 P 13 40.79 -0.2
CTI 1.80 30 P 13 41.10 -0.1
eSn 14 05.10
IMI 1.87 253 P 13 41.16 -0.9
TMA 1.92 328 ePd 13 43.60 0.7
ORO 2.02 305 P 13 46.60 2.2
ARV 2.12 117 P 13 45.50 -0.2
ENR 2.12 264 P 13 45.85 0.1
PGF 2.18 207 Pn 13 45.60 -1.1
Sn 14 10.30
STV 2.19 264 P 13 46.49 -0.2
SBF 2.19 254 Pn 13 46.30 -0.5
Sn 14 13.40
ASS 2.20 130 P 13 46.40 -0.5
DOI 2.22 271 P 13 47.00 -0.3
BHB 2.23 280 P 13 48.69 1.4
RSP 2.30 288 P 13 49.88 1.5
PZZ 2.33 271 P 13 48.75 0.0
OGA 2.42 11 iPnc 13 58.90 8.8X
RRL 2.58 281 P 13 53.75 1.3
BNI 2.68 283 P 13 53.70 -0.1
FVI 2.70 38 P 13 54.00 0.0
eSn 14 26.50
TRI 2.70 62 e(Pn) 13 52.40 -1.6
e(Sg) 14 25.10
LPG 2.74 293 Pn 13 54.50 -0.4
LPL 2.76 293 Pn 13 55.60 0.5
FRF 2.83 252 Pn 13 55.00 -0.8
Sn 14 27.90
VOY 2.93 57 ePn 13 56.20 -1.2
eSn 14 30.20
LMR 3.01 249 Pn 13 57.10 -1.2
Sn 14 31.30
LRG 3.06 251 Pn 13 58.60 -0.5
Sn 14 34.40
FEL 3.75 335 ePn 14 08.52 -0.5
CDF 4.45 333 Pn 14 17.80 -1.1
Sn 15 08.90
HAU 4.47 323 Pn 14 18.50 -0.6
Sn 15 09.00
SMF 5.05 297 Pn 14 26.70 -0.6
Sn 15 23.70
LBF 5.11 301 Pn 14 27.70 -0.5
Sn 15 25.30
KHC 5.14 24 ePn 14 27.60 -0.9
e 14 35.50
e 15 05.60
eSg 15 24.00
LOR 5.31 304 Pn 14 30.10 -1.0
Sn 15 29.30
BGF 5.66 294 Pn 14 34.70 -1.3
Sn 15 38.40
S.D. = 1.0 on 45 of 46 obs.

? JUN 14, 1992 05h 17m 01.47± 2.24s
8.150 S ±18.4km 73.820 W ±25.3km
DEPTH = 211.2 ± 28.5 km
4.3mb (6 obs.)
PERU-BRAZIL BORDER REGION (112)

ARE 8.57 165 eP 19 04.00 0.7
ZOBO 9.81 146 P 19 13.10 -6.6X
LR 39 40.00
LPB 10.03 147 eP 19 34.00 11.7X
CNCB 10.32 147 eP 19 26.00 -0.2
SIV 14.69 123 P 20 20.40 -0.4
OLY 46.50 340 eP 25 08.53 -0.9
VVO 47.94 336 e(P) 25 20.60 0.0
RLO 48.38 337 eP 25 23.80 -0.2
e 25 57.70
FVM 48.44 342 ePc 25 23.90 -0.5
0.7s 14.97nm 4.5mb
TUL 48.46 336 eP 25 24.30 -0.3
0.6s 4.20nm 4.0mb
LNO 48.46 336 eP 25 24.20 -0.3
e 25 58.40
SIO 48.53 335 e(P) 25 25.00 -0.1
ALQ 52.80 326 ePd 25 59.10 1.7
1.0s 12.50nm 4.5mb
ORV 64.79 321 eP 27 18.00 -1.6
SES 66.65 335 ePd 27 31.10 -0.2
PNT 69.81 330 eP 27 51.00 0.2
0.6s 3.00nm 4.2mb
YKA 77.10 342 eP 28 32.70 0.1
0.7s 1.70nm 3.9mb
MBC 88.33 350 eP 29 32.50 2.8
FBA 90.62 336 eP 29 41.06 0.5
0.7s 4.05nm 4.5mb
WRA 140.66 224 PKP 36 07.20 -1.2
0.7s 0.80nm
S.D. = 1.1 on 18 of 20 obs.

JUN 14, 1992 05h 36m 33.68± 0.33s
44.460 N ± 3.9km 10.349 E ± 3.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.6 (LDG).

MME 0.37 136 Pc 36 41.40 0.1
eSg 36 46.70
BDI 0.44 156 P 36 42.30 -0.3
eSg 36 48.60
BOB 0.71 296 P 36 48.40 0.6
eSg 37 00.60
PII 0.75 170 P 36 48.40 0.1
eSg 36 58.90
FIR 0.94 136 eP 37 02.00 10.3X
iSg 37 06.00
PGD 1.15 120 P 36 56.50 1.2
SAL 1.15 6 P 36 56.50 1.3
eSg 37 11.90
SFI 1.21 116 P 36 57.40 1.3
eSg 37 13.50
PCP 1.29 274 P 36 59.31 1.6
S 37 16.76
CRE 1.42 125 P 36 59.60 -0.1
eSg 37 17.30
CKI 1.48 269 P 37 01.20 0.8
eSn 37 19.90
FIN 1.56 261 P 37 01.36 -0.1
S 37 21.25
ROB 1.78 266 P 37 04.54 -0.3
CTI 1.83 30 P 37 05.00 -0.6
eSn 37 27.30
IMI 1.85 254 P 37 05.36 -0.5
ARV 2.10 116 P 37 08.00 -1.4
PGF 2.15 208 Pn 37 09.50 -0.6
Sn 37 34.30
ASS 2.18 129 P 37 10.50 0.0
BHB 2.24 281 P 37 12.84 1.5
PZZ 2.33 272 P 37 12.84 0.1
OGA 2.45 11 eP 37 21.70 7.1X
FVI 2.73 38 P 37 18.00 -0.4
eSn 37 50.00
LPG 2.76 293 Pn 37 18.50 -0.5
LPL 2.78 294 Pn 37 20.00 0.8

14d 05h

FRF	2.82	253	Pn	37 19.00	-0.6	
			Sn	37 51.70		
LMR	3.00	249	Pn	37 21.00	-1.0	
			Sn	37 54.60		
LRG	3.05	252	Pn	37 22.50	-0.3	
CDF	4.49	333	Pn	37 41.70	-1.6	
			Sn	38 33.30		
HAU	4.50	323	Pn	37 42.30	-1.2	
			Sn	38 34.00		

S.D. = 0.9 on 27 of 29 obs.

JUN 14, 1992 05h 38m 08.23± 0.20s
44.467 N ± 2.3km 10.363 E ± 2.0km
DEPTH = 10.0km (geophysicist)
4.1mb (1 obs.)
NORTHERN ITALY (545)
MD 4.0 (TRI), 3.6 (FIR), 3.3 (ROM). ML 3.9 (VIE), 3.6 (LDG), 3.3 (FUR).

MME	0.36	138	Pc	38 16.80	1.0	
			eSg	38 20.60		
BDI	0.44	157	Pc	38 17.40	0.2	
			eSg	38 23.50		
BOB	0.72	295	P	38 23.80	1.4	
			eSg	38 34.80		
PII	0.75	171	P	38 23.50	0.5	
			eSg	38 34.00		
FIR	0.94	137	ePg	38 27.00	0.8	
			iSg	38 42.00		
PGD	1.14	121	P	38 31.30	1.6	
			eSg	38 47.00		
SAL	1.15	6	P	38 31.70	2.0	
			eSg	38 47.50		
SFI	1.20	116	P	38 32.60	2.0	
			eSg	38 47.90		
PCP	1.30	274	P	38 34.02	1.6	
			S	38 52.00		
CRE	1.42	126	P	38 34.90	0.7	
			eSg	38 52.00		
CKI	1.49	269	P	38 35.60	0.5	
			eSn	38 55.00		
FIN	1.57	261	P	38 36.17	0.0	
			S	38 56.20		
ROB	1.80	265	P	38 39.76	0.2	
VAI	1.80	322	P	38 40.00	0.6	
CTI	1.82	29	P	38 40.20	0.2	
			eSn	39 02.60		
IMI	1.86	254	P	38 40.48	-0.1	
TMA	1.95	328	eP	38 42.60	0.8	
ORO	2.05	305	P	38 43.80	0.6	
ARV	2.10	117	P	38 45.00	1.1	
VVI	2.10	43	P	38 49.84	5.9	X
VVI	2.10	43	P	38 42.80	-1.1	
			eSn	39 09.70		
VDL	2.12	343	eP	38 45.60	1.3	
ENR	2.13	265	P	38 44.58	0.2	
MAO	2.13	164	P	38 43.63	-0.7	
PGF	2.16	208	Pn	38 43.86	-1.0	
			Sg	39 09.82		
ASS	2.17	129	P	38 44.80	-0.2	
			eSn	39 10.90		
STV	2.19	265	P	38 45.30	0.0	
OSS	2.23	356	eP	38 47.80	1.9	
DOI	2.23	272	P	38 46.00	0.1	
BHB	2.24	281	P	38 47.35	1.3	
AURF	2.26	256	Pn	38 46.14	-0.2	
TOUF	2.28	260	Pn	38 47.50	0.8	
RSP	2.31	288	P	38 47.25	0.1	
PZZ	2.34	272	P	38 47.69	0.3	
OGA	2.45	11	ePn	38 51.30	2.3	
LLS	2.59	339	eP	38 51.80	0.8	
RRL	2.59	281	P	38 52.78	1.6	
CALN	2.60	255	Pn	38 51.60	0.4	
			Sg	39 27.33		
MNS	2.68	140	P	38 50.00	-2.2	
BNI	2.69	284	P	38 53.60	1.1	
TRI	2.71	62	ePnd	38 51.50	-1.1	
			iPg	38 58.10		
			iSn	39 24.30		
			iSg	39 37.40		
FVI	2.72	38	P	38 53.20	0.5	
			eSn	39 25.00		
SCE	2.74	20	ePn	38 54.20	1.0	
LPG	2.76	293	Pn	38 53.80	0.2	
LPL	2.78	293	Pn	38 54.20	0.3	
FRF	2.83	253	Pn	38 54.10	-0.2	
			Sn	39 26.50		
EMS	2.91	305	eP	38 58.50	3.0	X
RSL	2.92	296	Pn	38 56.59	0.9	
WTTA	2.94	17	iPnc	38 57.50	1.6	
			i	38 58.90		
			iSn	39 32.50		
			i	39 36.00		
VOY	2.94	57	iPn	38 55.00	-1.0	
			eSn	39 29.20		
LMR	3.01	249	Pn	38 56.20	-0.6	
			Sn	39 30.50		
AQU	3.06	133	P	38 56.10	-1.5	
LRG	3.06	252	Pn	38 57.60	0.1	
			Sn	39 32.70		
CEY	3.15	65	ePn	38 58.00	-0.8	
			e	39 10.00		
			eSn	39 33.50		
RDP	3.21	147	P	38 59.00	-0.7	
ZLA	3.32	336	eP	39 01.50	0.3	
LJU	3.34	60	ePn	39 01.50	-0.1	
			eSn	39 40.20		
KBA	3.34	38	iPnc	39 02.60	0.9	
			i	39 12.80		
			iSn	39 42.60		
			iSg	39 59.60		
CDR	3.41	258	ePn	39 01.80	-0.7	
			e(Sn)	39 40.80		
SLE	3.55	339	eP	39 04.10	-0.4	
VBY	3.62	72	ePn	39 08.80	3.2	X
			iSn	39 46.90		
BHG	3.70	27	ePn	39 08.60	2.0	
SDI	3.74	136	P	39 06.70	-0.6	
FUR	3.75	9	iPnc	39 08.00	0.6	
FEL	3.78	335	eP	39 07.21	-0.7	
LOMF	3.80	321	Pn	39 08.06	0.0	
MOF	4.06	328	Pn	39 11.22	-0.6	
DUI	4.11	132	P	39 12.00	-0.4	
BSF	4.18	325	Pn	39 13.00	-0.5	
			Sn	40 00.50		
ZAG	4.20	69	ePn	39 13.20	-0.5	
PTJ	4.21	68	ePn	39 13.00	-0.9	
			iSn	40 10.70		
ECH	4.36	331	Pn	39 15.11	-0.9	
CDF	4.49	333	Pn	39 16.62	-1.2	
HAU	4.50	323	Pn	39 17.50	-0.5	
			Sn	40 07.80		
GRC1	4.60	10	ePn	39 17.90	-1.5	
			e(Pg)	39 28.60		
			eSg	40 10.00		
VITF	4.82	323	Pn	39 22.02	-0.6	
WET	4.99	19	ePn	39 23.80	-1.1	
SMF	5.07	298	Pn	39 25.40	-0.7	
			Sn	40 22.60		
LBF	5.13	302	Pn	39 26.70	-0.3	
			Sn	40 25.10		
KHC	5.16	24	Pn	39 26.00	-1.4	
			e	39 35.70		
			Sn	40 05.00		
			Sg	40 22.50		
TOD	5.25	349	eP	39 26.87	-1.8	
LOR	5.34	304	Pn	39 29.10	-0.8	
			Sn	40 29.70		
AVF	5.44	298	Pn	39 30.70	-0.6	
SSF	5.45	301	Pn	39 31.00	-0.5	
			Sn	40 32.00		
VKA	5.60	45	e(Pn)	39 33.00	-0.6	
			iSn	40 34.70		
BGF	5.68	294	Pn	39 33.80	-0.9	
			Sn	40 36.80		
RUP	5.70	338	eP	39 34.25	-0.8	
ABH	5.75	341	eP	39 33.58	-2.1	
CAF	5.93	277	Pn	39 38.30	0.0	
ZST	5.97	49	e(Pn)	39 40.90	2.1	
			e	40 02.60		
			i	40 43.30		
			e	41 31.00		
MOX	6.24	7	ePg	40 06.80	24.3	X
			iSn	40 48.00		
RJF	6.34	281	Pn	39 44.30	0.3	
BRG	6.85	19	ePn	39 50.00	-1.1	
			iPg	40 41.00		
			iSn	41 03.00		
			iSg	41 56.00		
CLL	7.07	14	ePg	40 27.00	32.8	X
			iSn	41 09.40		
			e	42 09.00		
EPF	7.40	262	Pn	39 57.70	-1.2	
MFF	7.68	290	Pn	40 01.50	-1.3	
YKA	64.68	335	eP	48 45.70	-2.3	
	0.7s		1.00nm		4.1mb	

S.D. = 1.1 on 92 of 97 obs.

? JUN 14, 1992 05h 48m 55.05± 1.38s
36.307 S ±11.5km 178.149 E ±17.6km
DEPTH = 198.2 ± 10.5 km
4.2mb (3 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)

HBZ	1.30	175	P	49 24.90	-2.2	
PUZ	1.77	177	Pd	49 30.90	-0.5	
			eS	50 02.50		
KUZ	2.01	257	P	49 32.50	-1.3	
URZ	2.12	203	P	49 36.70	1.7	
			eS	50 14.50		
NOZ	2.31	182	eP	49 37.40	0.4	
WLZ	2.57	232	P	49 42.60	2.6	X
PAHZ	2.69	199	P	49 43.20	1.8	
MAHZ	2.88	184	P	49 44.50	0.8	
WHH	2.89	207	P	49 45.40	1.6	
TTH	3.39	198	eP	49 50.70	1.0	
MOZ	3.45	230	eP	49 54.70	4.2	X
WAHZ	3.67	202	eP	49 53.80	0.6	
BSZ	4.31	215	eP	50 02.80	1.6	
PGZ	4.55	198	eP	50 04.00	-0.2	
MNG	4.79	205	eP	50 07.50	0.2	
			eS	51 11.90		
KIW	5.21	208	eP	50 12.80	0.1	
MTW	5.27	202	eP	50 12.80	-0.7	
AMW	5.33	200	eP	50 13.90	-0.4	
CAW	5.37	206	P	50 14.30	-0.4	
BLW	5.47	202	eP	50 15.40	-0.7	
DIW	5.58	215	eP	50 18.10	0.6	
MOW	5.59	203	eP	50 17.00	-0.6	
MRW	5.61	208	eP	50 17.40	-0.4	
TCW	5.76	211	eP	50 19.20	-0.6	
QRZ	6.31	223	eP	50 26.00	-0.9	
THZ	6.81	215	eP	50 33.80	0.3	
KHZ	7.07	209	eP	50 35.90	-1.0	
MQZ	8.51	208	eP	50 53.90	-1.8	
			eS	52 34.00		
ASPA	40.02	276	iPd	56 13.00	0.9	
	0.5s		4.10nm		4.2mb	
WB2	41.55	281	iPc	56 24.60	-0.1	
	0.5s		7.10nm		4.5mb	
WRA	41.56	281	P	56 25.00	0.2	
	0.5s		1.70nm		3.8mb	

S.D. = 1.1 on 29 of 31 obs.

JUN 14, 1992 06h 03m 01.26± 0.55s
49.165 N ± 3.8km 6.881 E ± 8.0km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.4 (STR).

RUP	0.55	12	ePg	03 12.55	0.2	
CDF	0.80	161	Pg	03 16.20	-0.6	
			Sg	03 26.69		
ABH	0.84	31	ePg	03 17.65	0.2	
ECH	0.97	169	Pg	03 19.43	-0.3	
			Sg	03 32.43		
VITF	1.12	212	Pg	03 21.83	-0.4	
MOF	1.33	173	Pn	03 26.32	0.5	
			Sg	03 44.36		
TOD	1.33	70	ePg	03 25.12	-0.7	
FEL	1.49	149	ePg	03 29.38	1.1	
MEM	1.55	339	iPc	03 28.92	0.0	
			iS	03 49.48		
LOMF	1.82	181	Pn	03 32.87	0.0	

S.D. = 0.6 on 10 of 10 obs.

JUN 14, 1992 06h 05m 07.70± 0.19s
44.483 N ± 2.4km 10.383 E ± 1.9km
DEPTH = 10.0km (geophysicist)
4.0mb (1 obs.)
NORTHERN ITALY (545)
ML 3.6 (LDG). MD 3.5 (TRI), 3.4 (FIR).

MME	0.37	142	Pc	05 16.30	1.0	
			eSg	05 21.00		
BDI	0.45	160	P	05 16.80	0.0	
			eSg	05 24.00		
BOB	0.73	293	P	05 23.40	1.4	
			eSg	05 33.50		

PII 0.77 172 P 05 22.70 0.0
eSg 05 34.20
FIR 0.94 138 ePg 05 26.50 0.8
iSg 05 40.00
SAL 1.13 5 P 05 31.10 2.3
eSg 05 46.70
PGD 1.14 122 P 05 31.00 1.9
SFI 1.20 117 P 05 31.80 1.8
eSg 05 47.20
PCP 1.32 273 P 05 33.05 1.0
S 05 50.60
CRE 1.42 127 P 05 34.30 0.7
eSn 05 52.50
CKI 1.51 269 P 05 35.20 0.4
eSn 05 55.80
FIN 1.58 261 P 05 36.13 0.2
S 05 55.80
VAI 1.79 321 P 05 39.00 0.1
CTI 1.80 29 P 05 39.60 0.5
eSg 06 02.50
ROB 1.81 265 P 05 39.41 0.2
S 06 01.80
IMI 1.88 253 P 05 40.13 -0.1
S 06 02.80
TMA 1.94 327 eP 05 42.20 1.0
ORO 2.05 305 P 05 43.10 0.4
VVI 2.08 43 P 05 45.00 1.9
eSg 06 08.00
ARV 2.09 117 P 05 44.30 1.0
VDL 2.10 343 eP 05 45.10 1.5
ENR 2.14 264 P 05 44.31 0.3
S 06 10.16
ASS 2.17 130 P 05 44.90 0.4
eSn 06 11.00
PGF 2.18 208 Pn 05 43.58 -1.0
Sg 06 08.57
STV 2.21 265 P 05 45.25 0.3
S 06 11.60
SBF 2.21 255 Pn 05 45.00 0.0
Sn 06 10.70
OSS 2.21 356 eP 05 47.30 2.2
DOI 2.25 272 P 05 46.00 0.4
BHB 2.26 280 P 05 47.59 2.0
AURF 2.28 256 Pn 05 45.92 -0.1
REVF 2.30 252 Pn 05 46.21 0.0
TOUF 2.30 259 Pn 05 46.94 0.5
Sg 06 15.85
RSP 2.32 288 P 05 46.18 -0.5
PZZ 2.35 272 P 05 47.30 0.2
OGA 2.43 10 ePn 05 51.30 3.1X
LLS 2.58 338 eP 05 51.20 0.9
RRL 2.60 281 P 05 52.43 1.7
CALN 2.62 255 Pn 05 51.04 0.1
MNS 2.68 141 P 05 50.60 -1.1
TRI 2.69 62 e(Pn)d05 50.60 -1.2
i(Pg) 05 57.40
i(Sn) 06 23.60
i 06 40.00
FVI 2.70 38 P 05 51.70 -0.2
eSn 06 24.70
BNI 2.70 283 P 05 52.90 0.8
eSn 06 24.00
LPG 2.77 293 Pn 05 53.10 -0.1
LPL 2.79 293 Pn 05 53.70 0.3
FRF 2.85 252 Pn 05 53.80 -0.2
Sn 06 26.90
EMS 2.91 304 eP 05 58.00 3.0X
WTTA 2.92 17 iPnc 05 57.00 1.9
i 05 58.10
iSn 06 31.60
i 06 35.90
VOY 2.92 57 iPn 05 54.40 -0.8
eSn 06 29.40
RIY 2.97 72 ePn 05 55.00 -0.7
LMR 3.03 249 Pn 05 55.70 -0.8
Sn 06 29.90
ADU 3.06 133 P 05 57.00 0.0
LRG 3.08 252 Pn 05 57.10 -0.1
Sn 06 33.40
CEY 3.13 65 ePn 05 56.50 -1.5
eSn 06 34.30
RDP 3.21 147 P 05 59.00 -0.3
ZLA 3.31 336 eP 06 00.90 0.3
LJU 3.32 61 ePn 06 00.50 -0.2
eSn 06 40.50
KBA 3.32 38 ePn 06 01.50 0.6
iPg 06 13.30

iSn 06 41.50
CDR 3.42 258 ePn 06 01.50 -0.7
e(Sn) 06 39.70
SLE 3.54 339 eP 06 03.60 -0.2
VBY 3.61 72 ePn 06 05.30 0.5
e(Sn) 06 48.50
SDI 3.74 137 P 06 05.00 -1.8
FEL 3.77 335 eP 06 06.62 -0.6
DUI 4.11 132 P 06 12.00 0.1
BSF 4.18 325 Pn 06 12.60 -0.3
Sn 06 59.50
ZAG 4.18 69 e(Pn) 06 11.60 -1.3
PTJ 4.19 68 ePn 06 11.50 -1.6
iSn 07 09.00
CDF 4.48 332 Pn 06 16.40 -0.8
Sn 07 07.30
HAU 4.50 323 Pn 06 17.00 -0.4
Sn 07 07.20
HVAR 4.58 104 iPn 06 17.60 -0.9
SMF 5.08 298 Pn 06 24.60 -1.0
Sn 07 21.20
LBF 5.13 301 Pn 06 25.70 -0.8
Sn 07 24.30
KHC 5.14 24 Pn 06 25.50 -1.0
Pg 06 39.60
e 07 08.00
Sg 07 23.50
TOD 5.24 349 eP 06 26.59 -1.3
GRF 5.24 6 ePn 06 21.70 -6.3X
ePg 06 46.90
e(Sn) 07 24.80
LOR 5.34 304 Pn 06 28.60 -0.8
Sn 07 29.40
AVF 5.44 298 Pn 06 30.50 -0.3
SSF 5.46 301 Pn 06 30.50 -0.6
Sn 07 30.40
BGF 5.69 294 Pn 06 33.50 -0.8
Sn 07 37.50
RUP 5.69 338 eP 06 33.43 -0.9
ABH 5.74 341 eP 06 33.56 -1.4
MAF 5.78 290 Pn 06 34.60 -0.9
Sn 07 38.20
CAF 5.95 277 Pn 06 37.80 -0.1
RJF 6.35 281 Pn 06 44.60 0.9
LPO 6.57 275 Pn 06 46.90 0.2
EPF 7.42 262 Pn 06 57.60 -1.0
MFF 7.69 290 Pn 07 01.00 -1.4
YKA 64.67 335 eP 15 45.20 -2.2
0.5s 0.60nm 4.0mb
S.D. = 1.0 on 84 of 87 obs.

JUN 14, 1992 06h 15m 34.67± 0.71s
38.769 N ± 6.0km 27.604 E ± 9.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.46 216 iPg 15 45.10 1.1
iSg 15 55.60
CIN 1.23 162 ePg 15 57.00 -0.5
iSg 16 13.00
EZN 1.45 317 ePn 15 59.00 -1.9
KHL 1.57 106 ePn 16 02.00 -0.7
EDC 1.59 7 ePn 16 03.50 0.6
KCT 1.59 21 iPn 16 03.00 0.1
BNT 1.60 9 ePn 16 04.00 0.9
YLV 2.26 37 ePn 16 13.00 0.4
S.D. = 1.2 on 8 of 8 obs.

% JUN 14, 1992 06h 20m 57.28± 0.85s
44.550 N ± 6.5km 10.481 E ± 9.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.39 156 P 21 05.70 0.4
eSg 21 10.70
BDI 0.50 170 P 21 07.00 -0.3
eSg 21 13.70
BOB 0.77 287 P 21 12.40 0.1
eSg 21 23.70
PII 0.83 178 P 21 13.30 0.0
eSg 21 22.50
CTI 1.71 28 P 21 27.30 -0.1
eSg 21 51.60
S.D. = 0.4 on 5 of 5 obs.

JUN 14, 1992 07h 28m 18.59± 0.31s
21.841 S ± 4.8km 179.406 W ± 4.2km
DEPTH = 596.6 ± 4.1 km
5.0mb (24 obs.)
FIJI ISLANDS REGION (181)

SVA 4.22 331 iPc 29 45.60 -0.2
VUN 4.31 332 iPc 29 45.90 -0.6
KRO 4.64 346 iPc 29 48.50 -0.5
SGE 4.92 329 eP 29 52.20 0.9
TVI 4.93 353 ePc 29 51.40 0.1
MBU 5.16 340 ePc 29 53.40 0.3
NDE 5.36 347 ePc 29 54.50 -0.3
UDU 5.69 354 iPc 29 57.30 -0.1
YSA 5.86 330 ePc 29 59.20 0.4
DZM 13.13 266 iPd 31 09.60 1.0
KUZ 15.45 195 eP 31 31.20 0.4
URZ 16.64 190 eP 31 41.20 -1.1
NOZ 16.87 187 eP 31 44.70 0.2
THZ 20.89 196 eP 32 20.70 -1.3
ARMA 27.31 246 iPc 33 20.60 1.5
0.8s 34.00nm 5.0mb
TBI 27.67 99 iP 33 22.60 0.6
0.9s 45.00nm 5.1mb
PPT 28.38 87 iP 33 28.60 0.3
0.8s 25.00nm 4.9mb
PPN 28.52 87 iP 33 28.70 -0.8
0.8s 15.00nm 4.7mb
TVO 28.63 87 iP 33 29.60 -0.9
0.8s 45.00nm 5.2mb
CNB 30.39 237 iPc 33 47.00 1.6
TPT 30.88 83 iP 33 49.30 -0.2
0.9s 65.00nm 5.3mb
RUV 31.03 83 iP 33 50.20 -0.7
0.9s 80.00nm 5.3mb
CTA 32.08 267 iPd 34 00.20 0.6
0.4s 435.59nm 6.4mb X
CMS 32.40 245 eP 34 03.00 0.7
0.6s 20.00nm 4.9mb
OLP 33.42 255 iPc 34 11.70 0.8
0.4s 78.00nm 5.7mb
TOO 34.05 235 iPd 34 17.60 1.5
0.5s 19.00nm 5.0mb
PMG 34.41 286 eP 34 19.00 -0.1
0.7s 68.49nm 5.4mb
STK 36.04 246 iPd 34 33.50 1.1
0.5s 13.30nm 4.8mb
OIS 38.16 264 iPd 34 49.40 -0.5
ASPA 42.95 258 iPd 35 28.00 -0.1
0.6s 62.40nm 5.3mb
iScP 40 02.30
iS 41 09.40
iScS 44 23.10
WB2 43.12 264 iPc 35 28.70 -0.8
0.5s 65.10nm 5.4mb
iScP 40 02.90
eScS 41 13.80
WRA 43.13 264 P 35 29.00 -0.6
0.7s 23.40nm 4.8mb
FORT 47.57 248 iPd 36 02.50 -0.9
MTN 47.88 272 iPc 36 04.80 -1.1
0.4s 79.00nm 5.6mb
WARB 49.19 254 iPd 36 14.80 -0.7
0.3s 10.00nm 4.8mb
KNA 49.26 268 iPd 36 15.70 -0.4
0.4s 64.00nm 5.5mb
COOL 53.49 247 eP 36 45.30 -1.3
KLB 56.30 246 eP 37 05.10 -1.0
BAL 57.32 247 eP 37 12.20 -0.8
CGP 62.53 293 ePd 37 46.50 -0.9
SPA 68.29 180 iPc 38 23.10 0.4
0.8s 32.50nm 4.9mb
CHJJ 69.74 325 P 38 30.80 -0.6
IIDJ 69.90 324 P 38 32.00 -0.4
NIIJ 70.63 326 P 38 36.00 -0.5
OFUJ 70.71 329 P 38 36.70 -0.2
MTMJ 70.77 325 P 38 37.10 -0.4
YAMJ 70.81 327 P 38 37.10 -0.5
TSRJ 71.01 323 P 38 38.90 0.1
KUSJ 72.57 333 eP 38 47.50 -0.1
HOOJ 72.60 332 eP 38 48.50 0.8
ASAJ 74.27 333 eP 38 58.40 1.3
ORV 81.55 41 eP 39 36.70 0.8
GLA 82.29 50 eP 39 41.24 1.4
ARUT 85.75 47 (P) 39 57.48 0.7
RMW 86.21 35 (P) 39 59.24 0.6
KLU 87.29 15 eP 40 01.95 -1.6
SRU 88.39 47 eP 40 09.34 0.1
PNT 88.50 34 eP 40 10.00 0.8

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DAU     88.56  45 eP      40 11.15    1.0
PTI     89.10  43 eP      40 13.71    1.3
CHTO    89.47 290 ePd     40 15.30    1.0
        1.0s    17.50nm            4.9mb
FBA     89.83  13 eP      40 12.69   -2.3
        1.0s     6.00nm            4.5mb
BW06    90.84  44 eP      40 20.00   -0.5
        1.3s     4.37nm            4.3mb
GOL     92.19  48 eP      40 27.19    0.4
        0.8s     2.79nm            4.3mb
RSSD    95.02  44 eP      40 39.79    0.2
        0.7s     1.21nm            4.2mb
ITR    131.11 124 ePKP    46 26.00    0.2
                  e       48 55.50
NB2    140.13 352 PKP     46 33.00   -8.2X
        0.6s     0.90nm
HFS    140.63 350 ePKP    46 34.50   -7.6X
        0.4s     1.10nm
KSP    148.55 341 ePKPd   47 00.00    4.5X
                  ic      47 06.30
CLL    149.03 345 ePKP    47 01.00    4.8X
                  i       47 07.20
BRG    149.19 343 ePKP    47 01.80    5.3X
        1.0s    12.00nm
                  i       47 08.20
                  e       49 23.50
GEC2   151.10 342 PKP     47 05.70    6.1X
        0.8s     1.01nm
     S.D. = 0.9  on  66 of  72 obs.
------------------------------------------
   JUN 14, 1992  07h 39m 43.07± 0.33s
  44.477 N ± 3.7km   10.322 E ± 3.3km
  DEPTH =  10.0km  (geophysicist)
 NORTHERN ITALY                    (545)
     ML 2.7 (LDG). MD 2.5 (FIR).

MME      0.39 136 P       39 51.10   -0.1
                  eSg     39 56.30
BDI      0.46 154 P       39 51.90   -0.5
                  eSg     39 57.90
BOB      0.69 295 P       39 58.20    1.4
                  eSg     40 09.40
PII      0.77 169 P       39 58.40    0.3
                  eSg     40 08.60
FIR      0.97 136 e(Pg)   40 01.00   -0.5
                  iSg     40 15.00
SAL      1.14   7 P       40 05.90    1.5
                  eSg     40 21.10
PGD      1.17 120 P       40 06.40    1.3
                  eSg     40 20.60
SFI      1.23 116 P       40 07.20    1.2
                  eSg     40 22.60
CRE      1.45 125 P       40 09.70    0.3
                  eSg     40 27.30
CKI      1.46 269 P       40 09.10   -0.4
                  eSg     40 29.00
CTI      1.83  30 P       40 14.40   -0.5
                  eSg     40 37.20
PGF      2.15 207 Pn      40 18.80   -0.8
                  Sn      40 43.30
SBF      2.17 255 Pn      40 19.80    0.0
                  Sn      40 46.90
LPG      2.73 293 Pn      40 29.30    1.3
FVI      2.73  38 P       40 27.00   -0.7
                  eSg     40 59.10
LPL      2.75 293 Pn      40 28.40    0.1
                  Sn      41 00.20
FRF      2.81 252 Pn      40 28.80    0.0
                  Sn      41 01.40
VOY      2.96  57 e(Pn)   40 29.50   -1.6
                  eSn     41 03.30
LMR      2.98 249 Pn      40 30.60   -0.7
LRG      3.04 252 Pn      40 32.10    0.1
CDF      4.46 333 Pn      40 51.40   -1.0
HAU      4.48 323 Pn      40 52.20   -0.3
                  Sn      41 42.90
BGF      5.65 294 Pn      41 08.50   -0.6
     S.D. = 0.9  on  23 of  23 obs.
------------------------------------------
   JUN 14, 1992  08h 45m 00.37± 0.21s
  6.174 S ± 3.2km  147.531 E ± 5.2km
  DEPTH =  52.7km  (  2 depth phases)
  5.1mb ( 28 obs.)
 EASTERN NEW GUINEA REG., P.N.G. (207)
     CENTROID, MOMENT TENSOR     (HRV)
     Data Used: GDSN
     L.P.B.: 20S, 26C

         Centroid Location:
         Origin Time         08:45: 4.9 0.8
         Lat  6.23S  FIX;Lon 147.57E  FIX
         Dep  26.4 4.3 Half-duration  1.4
         Moment Tensor;    Scale 10**16 Nm
           Mrr= 4.61 0.34  Mtt=-5.13 0.37
           Mff= 0.52 0.47  Mrt= 6.18 1.43
           Mrf= 2.01 0.81  Mtf= 1.40 0.35
          Principal Axes:
           T  Val=  8.35   Plg=59  Azm=325
           N       -0.21       17       85
           P       -8.14       25      183
         Best Double Couple:Mo=8.2*10**16
           NP1:Strike=305 Dip=25 Slip= 133
           NP2:        79     72        73

FINC     0.55 144 iPc     45 11.70   -0.7
LAT      0.71 228 iPd     45 16.30    1.8
MDG      1.97 298 iPd     45 34.80    2.9
MNDI     3.85 270 eP      46 01.50    2.7
WWKK     4.65 303 eP      46 13.80    4.0X
                  eS      46 25.80
RAB      5.02  67 iPd     46 16.00    0.9
         0.5s   185.92nm           5.6mb
                  i(S)    46 27.00
CTA     13.89 185 eP      48 17.90    1.7
         0.9s    54.20nm           5.3mb
QIS     16.23 208 eP      48 45.00   -1.5
         0.9s    41.00nm           4.6mb
                  e       51 37.00
MTN     17.47 247 eP      49 02.00    0.0
WB2     18.74 222 eP      49 16.40   -1.2
         0.4s    21.40nm           4.7mb
                  i       49 22.30
                  eS      53 44.00
                  iScP    57 17.10
GUA     19.76 352 eP      49 30.00    1.0
         0.7s   153.42nm           5.4mb
GUMO    19.81 352 eP      49 30.50    1.0
         0.7s   281.00nm           5.7mb
PJG     19.81 352 eP      49 30.50    1.0
RMQ     20.24 177 iPc     49 34.00    0.1
         0.9s   157.00nm           5.3mb
                  i       49 38.00
QLP     20.54 188 iPc     49 37.00    0.0
         0.4s   129.00nm           5.6mb
                  i       49 40.40
KNA     20.71 241 eP      49 37.00   -1.9
ASPA    21.78 216 iPd     49 49.60    0.0
         0.7s    78.40nm           5.2mb
      Z  20s      1.50um           4.4Msz
                  eS      53 50.80
                  eScP    57 25.90
                  eScS    01 08.10
DZM     24.16 133 iPd     50 15.10    2.1
ARMA    24.42 171 iPc     50 16.80    1.3
         0.9s    74.00nm           5.2mb
CMS     25.23 183 eP      50 23.00    0.0
         0.9s    21.00nm           4.7mb
STK     26.17 192 iPd     50 31.50   -0.2
         0.9s    17.50nm           4.6mb
WARB    28.17 223 eP      50 50.20    0.2
         0.3s     6.00nm           4.7mb
CNB     29.05 177 eP      50 58.00    0.1
FORT    30.55 214 eP      51 11.00   -0.2
BFD     31.19 188 eP      51 12.00   -4.8X
TOO     31.31 183 eP      51 19.00    1.2
                  i       54 11.00
MEEK    34.25 230 eP      51 43.00   -0.5
COOL    34.88 222 eP      51 48.50   -0.4
MRWA    37.56 229 eP      52 12.00    0.5
         0.4s     7.00nm           4.9mb
KLB     37.61 224 eP      52 10.50   -1.4
BAL     37.79 226 eP      52 13.00   -0.4
OZH     41.83 319 eP      52 47.50    0.6
         0.7s    39.00nm           5.3mb
KAKJ    42.72 351 P       52 53.60   -0.3
CHJJ    42.76 350 P       52 54.30    0.0
TSRJ    42.89 346 P       52 55.10   -0.3
MTMJ    43.50 349 P       53 00.20   -0.3
NIIJ    43.92 350 P       53 04.30    0.6
YAMJ    44.67 352 P       53 10.50    0.7
SSE     44.81 327 Pd      53 10.30   -0.7
         1.0s    27.00nm           5.0mb
      Z  20s      0.50um           4.4Msz
OFUJ    45.35 354 P       53 15.70    0.5
NJ2     46.82 326 Pc      53 27.00    0.2

         1.0s    25.00nm           5.1mb
AOMJ    46.97 353 eP      53 29.70    1.8
WHN     48.40 321 eP      53 40.00    0.7
         1.0s    18.00nm           5.0mb
MRRJ    48.72 354 eP      53 40.70   -0.8
KUSJ    49.11 357 eP      53 44.90    0.4
ASAJ    50.25 355 eP      53 54.10    0.8
SNY     52.55 338 Pc      54 09.80   -0.9
         1.0s    18.00nm           5.1mb
MDJ     53.07 344 eP      54 14.20   -0.3
         1.1s    11.00nm           4.8mb
KMI     53.52 307 Pd      54 18.50    0.1
         1.5s    40.00nm           5.2mb
                  pP      54 37.50   75kmX
CN2     53.60 340 eP      54 17.50   -0.9
         0.8s     4.00nm           4.5mb
                  pP      54 33.00   59km
CHG     53.93 298 eP      54 22.00    0.7
XAN     54.15 320 Pd      54 21.50   -1.2
         1.0s    36.00nm           5.4mb
BJI     54.31 331 eP      54 22.00   -1.7
         1.6s    67.00nm           5.4mb
      Z  24s      0.39um          4.4MszX
TIY     54.54 326 eP      54 24.80   -0.8
      Z  20s      0.63um           4.7Msz
CD2     55.77 314 P       54 34.00   -0.6
HHC     57.26 328 P       54 44.40   -0.6
         1.0s    18.00nm           5.1mb
      Z  30s      0.62um          4.5MszX
BTO     57.91 327 eP      54 48.40   -1.2
GTA     63.21 320 eP      55 25.00   -0.8
         1.0s    19.00nm           5.1mb
WMQ     73.27 319 eP      56 27.50   -0.7
                  pP      56 41.00   47km
PMR     83.13  25 eP      57 22.76    1.1
IMA     83.53  21 eP      57 23.27   -0.6
SPA     83.87 180 iPc     57 25.70    0.1
         0.8s    16.67nm           5.1mb
FBA     85.14  23 eP      57 29.60   -2.2
PNT     96.50  41 eP      58 26.00    0.6
YKA     99.08  28 eP      58 36.60   -0.1
         1.1s     1.80nm           4.5mb
BUL    114.53 245 iPKPc   03 37.60    0.2
         1.1s    24.68nm
KHC    122.27 326 ePKP    03 49.50   -1.6
GEC2   122.35 326 PKP     03 49.80   -1.6
         0.7s     2.03nm
GRB5   123.32 327 ePKP    03 52.80   -0.3
         0.7s     4.00nm
EKA    125.67 340 PKP     03 58.00    0.5
         1.1s     5.40nm
CDF    126.09 328 ePKP    03 58.80    0.1
         0.8s     2.30nm
BSF    126.70 328 ePKP    03 58.80   -1.1
         0.9s     5.10nm
LPG    128.15 326 ePKP    04 02.40   -0.6
         0.4s     0.95nm
PGF    128.50 321 ePKP    04 02.70   -0.8
         0.5s     3.45nm
LBF    128.72 329 ePKP    04 03.90    0.2
         0.6s     1.25nm
SMF    129.01 328 ePKP    04 03.60   -0.6
         0.5s     1.60nm
AVF    129.17 329 ePKP    04 04.50    0.1
BCAO   129.20 271 iPKPc   04 06.10    0.6
         0.8s    11.00nm
                  ic      06 20.00
                  id      07 26.10
BGF    129.58 329 ePKP    04 05.00   -0.3
         0.6s     2.55nm
TCF    130.09 329 ePKP    04 06.00   -0.3
         0.7s     4.20nm
LPF    130.44 333 ePKP    04 06.50   -0.3
         0.4s     1.95nm
LPO    131.70 328 ePKP    04 09.60    0.3
         0.6s     2.70nm
CNCB   138.11 124 PKP     04 15.00   -8.0X
LPB    138.15 123 PKP     04 13.00   -9.9X
         1.1s    50.63nm
                  i       04 25.00
ZOBO   138.25 123 PKP     04 13.00  -10.3X
         1.1s    43.50nm
CCH    139.32 126 PKP     04 17.50   -7.3X
SIV    144.13 128 PKP     04 31.20   -1.7
AVE    144.36 322 ePKP    04 33.00    0.1
                  i       04 54.00
TIO    145.86 319 iPKPd   04 36.00    0.3
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KIC 152.44 272 PKP 04 53.10 7.0X
LIC 152.72 272 PKP 04 53.60 7.1X
TIC 152.72 273 PKP 04 54.00 7.5X
PDCR 160.28 160 ePKP 04 57.20 1.3
ITR 164.02 158 ePKP 05 01.10 1.4
S.D. = 1.0 on 85 of 94 obs.

JUN 14, 1992 10h 16m 04.04± 0.50s
39.552 N ± 4.4km 29.633 E ± 5.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MG 3.2 (DDA).

ALT 0.62 143 iPg 16 15.00 -1.6
iSg 16 23.00
IZI 0.79 351 iPg 16 18.50 -1.0
iSg 16 29.50
GPA 0.90 35 iPn 16 21.30 0.0
YLV 1.03 349 iPg 16 23.50 -0.1
GYN 1.16 46 iP 16 25.30 -0.5
eS 16 43.00
KCT 1.20 306 iPg 16 26.50 0.0
KHL 1.23 184 iPg 16 26.00 -1.0
GBZT 1.24 353 ePn 16 28.90 1.8
eSg 16 47.10
HRT 1.27 1 iPg 16 27.50 -0.1
NAL 1.44 63 iP 16 31.50 1.2
eS 16 53.30
BNT 1.54 302 iPn 16 31.50 -0.1
EDC 1.58 301 ePn 16 32.50 0.4
ISK 1.57 344 iPn 16 31.50 -0.5
CTT 1.84 330 iPn 16 35.50 -0.4
SGKT 2.12 60 iP 16 40.00 -0.2
CIN 2.29 212 eP 16 46.00 3.5X
BBTK 2.43 82 eP 16 51.00 6.5X
eS 17 24.00
EZN 2.57 277 ePn 16 45.90 -0.4
DMK 2.68 328 ePn 16 48.00 0.0
ELL 2.81 175 iPg 16 52.50 2.6
S.D. = 1.1 on 18 of 20 obs.

JUN 14, 1992 10h 41m 52.95± 0.23s
4.820 N ± 5.6km 94.265 E ± 4.1km
DEPTH = 34.9km (6 depth phases)
5.0mb (51 obs.)
OFF W COAST OF NORTHERN SUMATERA(705)

SNG 6.74 69 eP 43 30.90 -1.2
1.1s 121.52nm 5.6mb
IPM 6.74 92 ePd 43 33.60 1.4
0.4s 13.00nm 5.1mb
e 44 38.70
KGM 9.46 107 eP 44 09.00 -0.9
KHT 10.78 23 eP 44 33.00 4.9X
LOE 14.49 30 eP 45 26.00 8.4X
CHG 14.64 18 eP 45 21.40 1.8
1.0s 65.75nm 5.0mb
KOD 17.50 289 eP 45 56.00 -0.3
HYB 19.84 310 eP 46 23.50 -0.4
SHL 20.76 354 eP 46 20.00 -13.6X
eS 50 29.20
KMI 21.77 21 Pc 46 45.00 1.1
1.5s 80.00nm 4.9mb
pP 46 54.50 35km
PKI 24.15 340 P 47 06.50 -0.8
DMN 24.29 340 P 47 08.00 -0.6
GUN 24.31 342 P 47 08.30 -0.7
KKN 24.39 340 P 47 09.00 -0.6
GKN 24.81 339 P 47 12.90 -0.6
LZH 32.34 15 eP 48 19.00 -2.4
1.0s 11.00nm 4.7mb
Z 20s 0.25um 3.9Msz
QUE 36.06 318 P 48 53.60 0.0
BJI 40.25 26 eP 49 29.50 1.4
1.2s 29.00nm 4.9mb
Z 24s 0.32um 4.1MszX
MAIO 44.73 319 eP 50 05.00 0.1
WB2 46.45 123 iPd 50 18.50 -0.2
1.0s 11.60nm 4.8mb
i 50 26.10 25km
ASPA 47.91 128 iPd 50 29.30 -0.9
1.4s 5.70nm 4.4mb
i 50 41.20 43km
OIS 51.15 121 eP 50 54.00 -1.1
OBN 68.00 328 eP 52 44.00 -6.7X
1.1s 27.00nm 5.3mb
e 53 05.00 80kmX
BUL 69.06 246 iPd 52 58.00 0.0
1.1s 10.76nm 4.8mb
SLR 70.74 241 iPd 53 18.20 9.9X
1.1s 25.32nm 5.2mb
MLR 71.44 316 eP 53 19.00 6.9X
PRY 71.76 240 eP 53 10 00 -4.4X
FRS 74.33 237 e(P) 53 29.00 -0.1
BCAO 75.44 273 iPd 53 36.10 0.1
0.4s 18.00nm 5.4mb
ic 53 47.50 38km
KAF 75.55 333 iP 53 35.10 -0.5
0.6s 12.70nm 5.1mb
NUR 75.86 331 iP 53 36.70 -0.6
0.6s 6.20nm 4.8mb
SPC 75.94 319 eP 53 36.10 -2.2
OJC 76.39 320 ePd 53 40.70 0.2
0.9s 28.00nm 5.3mb
ZST 77.87 318 iP 53 49.20 0.4
KSP 78.69 321 ePd 53 53.40 0.2
UPP 79.15 330 iP 53 55.20 -0.3
BRG 80.17 321 iP 54 01.70 0.5
1.0s 12.00nm 4.8mb
e 54 13.40 39km
GEC2 80.18 319 PKP 53 59.90 -1.6
0.8s 7.37nm 4.7mb
KHC 80.28 319 P 54 01.40 -0.5
1.0s 3.50nm 4.3mb
e 54 57.50 234kmX
BHG 80.66 317 iPc 54 04.00 0.1
0.9s 12.00nm 4.9mb
FVI 80.67 316 Pc 54 04.10 0.2
WET 80.74 319 iPc 54 05.10 0.8
1.0s 12.00nm 4.8mb
CLL 80.79 321 iPc 54 04.40 -0.1
1.0s 12.00nm 4.8mb
e 54 14.00 30km
HFS 81.14 330 eP 54 05.20 -1.0
0.6s 9.10nm 4.9mb
Z 17s 0.04um 3.9MszX
LR 29 16.00
SFI 81.21 314 P 54 07.90 1.1
CTI 81.43 316 P 54 08.30 0.2
MOX 81.63 320 eP 54 09.50 0.6
ePg 55 08.30
iSg 55 48.00
GRF 81.85 319 iPd 54 10.80 0.7
1.0s 18.00nm 5.0mb
OGA 81.88 317 iPc 54 11.00 0.4
1.0s 20.00nm 5.1mb
NB2 82.44 331 P 54 12.70 -0.3
1.0s 9.10nm 4.8mb
OSS 82.48 316 eP 54 14.30 0.6
SBF 84.41 313 iPd 54 23.30 -0.1
0.9s 22.60nm 5.3mb
CDF 84.43 318 iPd 54 23.00 -0.4
0.8s 4.45nm 4.7mb
BSF 84.76 317 iPd 54 24.40 -0.8
0.9s 3.60nm 4.6mb
LPG 84.85 315 iPd 54 26.00 0.1
0.9s 11.45nm 5.1mb
LPL 84.86 315 iPd 54 26.00 0.1
0.9s 16.70nm 5.2mb
FRF 84.99 313 iPd 54 26.30 0.1
0.7s 7.95nm 5.0mb
HAU 85.06 318 iPd 54 26.30 -0.2
0.8s 13.15nm 5.2mb
LMR 85.09 313 iPd 54 26.80 0.1
1.2s 18.15nm 5.1mb
LRG 85.20 313 iPd 54 27.60 0.4
1.1s 20.50nm 5.2mb
LBF 86.71 317 iPd 54 34.60 -0.1
0.9s 8.50nm 5.0mb
LOR 86.77 317 iPd 54 34.90 -0.1
1.0s 11.80nm 5.1mb
SMF 86.82 316 iPd 54 35.00 -0.3
0.9s 11.95nm 5.1mb
SSF 87.03 317 iPd 54 36.10 -0.1
0.9s 5.10nm 4.8mb
AVF 87.15 317 iPd 54 36.80 0.0
1.0s 8.80nm 5.0mb
BGF 87.51 316 iPd 54 39.00 0.4
1.0s 9.60nm 5.0mb
MAF 87.73 316 iPd 54 39.90 0.2
0.8s 4.85nm 4.8mb
TCF 87.97 316 iPd 54 41.10 0.3
0.8s 3.10nm 4.6mb
LSF 88.45 316 iPd 54 43.00 -0.1
0.9s 3.60nm 4.7mb
RJF 88.54 315 iPd 54 44.10 0.5
0.8s 4.15nm 4.8mb
LPO 88.84 315 iPd 54 45.60 0.6
0.7s 4.95nm 4.9mb
LDF 89.32 319 iPd 54 47.40 0.2
1.0s 11.00nm 5.1mb
FLN 89.54 319 iPd 54 48.40 0.2
1.0s 17.20nm 5.3mb
MFF 89.56 317 iPd 54 48.50 0.2
1.2s 9.80nm 5.0mb
GRR 89.83 318 iPd 54 50.00 0.4
1.0s 9.60nm 5.0mb
LPF 90.00 318 iPd 54 50.90 0.6
1.0s 11.80nm 5.1mb
EKA 90.29 325 Pd 54 52.00 0.5
0.7s 5.30nm 4.9mb
ORV 124.90 33 ePKP 00 52.00 0.6
BW06 127.93 22 ePKP 00 57.40 0.0
RSSD 128.57 17 ePKP 00 59.00 0.4
0.9s 2.79nm
MSU 130.41 27 ePKP 01 03.19 0.9
epP 01 15.77
SIV 153.36 244 ePKP 02 01.00 18.8X
ZOBO 159.30 235 PKP 01 51.80 1.3
i 02 29.00
S.D. = 0.7 on 75 of 83 obs.

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* JUN 14, 1992 11h 00m 34.61± 1.89s
38.967 N ±16.4km 31.488 E ± 8.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MG 2.9 (DDA).

ALT 1.08 275 iPn 00 54.50 -0.4
NAL 1.24 354 iP 00 57.20 -0.6
eS 01 14.50
BBTK 1.32 48 iP 00 59.00 0.0
eS 01 17.50
GYN 1.50 337 eP 01 02.00 0.3
eS 01 21.00
GPA 1.60 326 ePn 01 03.50 0.4
SGKT 1.66 15 eP 01 04.20 0.1
IZI 2.07 312 ePn 01 09.50 -0.4
YLV 2.28 315 ePn 01 13.00 0.0
KCT 2.74 299 ePn 01 20.00 0.6
S.D. = 0.5 on 9 of 9 obs.

JUN 14, 1992 11h 05m 33.85± 0.38s
44.368 N ± 4.5km 10.249 E ± 3.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.5 (LDG).

MME 0.37 118 Pc 05 40.60 -0.9
eSg 05 46.70
BDI 0.39 141 P 05 41.40 -0.6
eSg 05 48.20
PII 0.68 163 P 05 48.50 1.3
eSg 05 58.00
BOB 0.70 305 P 05 48.60 0.9
eSg 06 01.60
PGD 1.17 114 P 05 56.60 0.8
SFI 1.24 111 P 05 57.50 0.7
SAL 1.26 9 P 05 58.00 0.8
eSg 06 14.50
CKI 1.41 273 P 06 01.20 1.6
CRE 1.43 120 P 06 00.00 0.0
CTI 1.95 30 P 06 06.00 -1.4
PGF 2.03 207 Pn 06 08.10 -0.5
Sn 06 32.80
SBF 2.09 257 Pn 06 09.20 -0.2
Sn 06 34.80
FRF 2.72 254 Pn 06 18.10 -0.3
Sn 06 51.50
LPG 2.73 296 Pn 06 18.40 -0.4
LPL 2.75 296 Pn 06 18.60 -0.4
FVI 2.85 38 P 06 20.00 -0.2
LMR 2.90 250 Pn 06 20.20 -0.6
Sn 06 54.40
LRG 2.95 253 Pn 06 21.10 -0.5
S.D. = 0.9 on 18 of 18 obs.

? JUN 14, 1992 11h 12m 37.57± 1.34s
26.992 N ±15.4km 92.741 E ±12.3km
DEPTH = 33.0km (normal)
3.6mb (1 obs.)

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NORTHEASTERN INDIA                        (317)
SHL      1.62 209 iPg    13 04.30    0.0
                  eSg    13 18.00
GUN      6.17 280 P      14 09.40    0.3
PKI      6.55 277 P      14 14.80    0.3
KKN      6.68 279 P      14 16.20    0.0
DMN      6.82 277 P      14 17.60   -0.6
GKN      7.27 280 P      14 24.20   -0.1
      0.4s      10.00nm            5.1mb X
WRA     61.66 135 P      22 54.80    0.0
      0.6s       0.30nm            3.6mb
    S.D. = 0.4  on   7 of   7 obs.
------------------------------------------------
? JUN 14, 1992  11h 43m 28.05± 0.96s
  44.340 N ±10.8km      7.287 E ±10.7km
  DEPTH =  10.0km  (geophysicist)
NORTHERN ITALY                            (545)
     ML 1.3 (GEN).

STV      0.10 164 P      43 30.88    0.0
                  S      43 32.94
ENR      0.15 140 P      43 31.52   -0.1
                  S      43 34.01
PZZ      0.21 321 P      43 32.74    0.0
                  S      43 36.39
ROB      0.42  96 P      43 36.68    0.0
                  S      43 42.28
    S.D. = 0.1  on   4 of   4 obs.
------------------------------------------------
& JUN 14, 1992  11h 47m 32.22s
  38.825 N             122.841 W
  DEPTH =   0.0km
NORTHERN CALIFORNIA                       ( 36)
     <GM-P>. MD 3.1 (GM).

NWRM     0.37 186 iPd    47 39.80    0.2
ORV      1.27  55 eP     47 55.01   -1.7
LTCM     1.49  22 eP     48 01.43    1.2
ARN      1.80 145 ePn    48 03.55   -1.2
                  eS     48 34.54
FHC      2.16 336 (P)    48 18.19    8.2
LBFM     2.62  16 (Pn)   48 18.45    1.7
     6 obs. associated
------------------------------------------------
& JUN 14, 1992  12h 01m 10.67s
  61.108 N             152.302 W
  DEPTH = 126.4km
SOUTHERN ALASKA                           (  2)
     <AEIC>.

BKG      0.04 153 iP     01 27.24    0.7
CKL      0.09 349 iP     01 27.52    0.9
CKN      0.13  27 eP     01 27.48    0.9
CRP      0.17  24 iP     01 26.82    0.0
NCG      0.30  13 iP     01 27.89    0.8
RDT      0.54 185 iP     01 29.04   -0.9
                  S      01 43.94
DFR      0.55 200 eP     01 29.20   -0.8
                  eS     01 44.13
NKA      0.64 125 eP     01 31.61    1.2
REF      0.65 198 eP     01 29.74   -1.1
RS2      0.68 199 eP     01 30.08   -1.0
                  S      01 45.88
RSO      0.68 199 eP     01 30.56   -0.5
                  S      01 45.59
RED      0.73 199 eP     01 30.44   -0.8
                  S      01 46.04
SUA      0.83  64 iP     01 31.85   -0.3
                  eS     01 48.08
SKT      0.95  23 eP     01 32.09   -1.0
SLKM     1.18 120 iP     01 35.29   -0.2
PWA      1.29  64 iP     01 36.77    0.3
                  eS     01 55.88
PMS      1.34  83 eP     01 36.60   -0.5
                  eS     01 56.99
PMR      1.60  71 eP     01 38.68   -1.4
                  eS     02 00.91
SVW      1.61 271 P      01 40.50    0.3
CUT      1.62  36 eP     01 39.10   -1.2
PDB      1.62 216 iP     01 39.21   -1.1
GHO      1.75  66 eP     01 40.48   -1.5
KNK      1.88  79 eP     01 42.67   -0.8
MCNL     2.18 209 eP     01 46.12   -1.1
FBA      4.33  26 eP     02 12.76   -2.8
     25 obs. associated
------------------------------------------------
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   JUN 14, 1992  12h 50m 38.91± 0.17s
   32.947 N ± 3.2km  141.551 E ± 3.0km
   DEPTH =  45.0km  ( 38 depth phases)
   5.2mb (100 obs.)  4.9Msz ( 27 obs.)
 SOUTH OF HONSHU, JAPAN                 (211)
        CENTROID, MOMENT TENSOR         (HRV)
        Data Used: GDSN
        L.P.B.: 23S, 34C
        Centroid Location:
        Origin Time         12:50:37.5 0.7
        Lat 32.75N 0.11 Lon 141.88E 0.08
        Dep  17.8 3.4 Half-duration  1.5
        Moment Tensor;     Scale 10**16 Nm
           Mrr= 5.82 0.51  Mtt=-0.77 0.82
           Mff=-5.05 0.50  Mrt=-0.40 1.46
           Mrf= 5.61 2.09  Mtf= 1.37 0.44
         Principal Axes:
           T   Val=  8.20   Plg=67   Azm=273
           N        -0.49      6       170
           P        -7.71     22        77
        Best Double Couple:Mo=8.0*10**16
          NP1:Strike=157 Dip=23 Slip=  76
          NP2:       352     68        96

KAKJ      3.44 341 P      51 30.40   -1.0
CHJJ      3.74 326 iP+    51 34.70   -0.9
IIDJ      3.93 311 iP+    51 39.80    1.4
MAT       4.52 323 iPc    51 46.30   -0.3
                   eS     52 39.00
MTMJ      4.76 321 P      51 50.50    0.4
NIIJ      4.77 335 P      51 48.60   -1.4
WKYJ      5.13 286 P      51 56.30    1.0
TSRJ      5.29 301 P      51 58.20    0.8
YAMJ      5.36 347 P      51 55.90   -2.5
OFUJ      6.12   1 P      52 04.00   -5.1X
                   S      53 10.10
TKSJ      6.35 281 P      52 13.70    1.3
YONJ      7.07 291 P      52 23.60    1.1
SHK       7.56 284 eP     52 31.00    1.7
AOMJ      7.66 353 eP     52 27.50   -3.1X
SHNJ      8.80 281 P      52 47.80    1.4
KUMJ      9.04 270 P      52 52.90    3.1X
KAGJ      9.22 262 P      52 55.00    2.8
MRRJ      9.47 358 eP     52 50.30   -5.3X
                   eS     54 35.50
HOOJ      9.52   8 eP     52 49.60   -6.7X
                   eS     54 28.90
KUSJ     10.43  13 eP     53 00.60   -8.2X
                   eS     54 47.20
ASAJ     11.19   4 eP     53 13.30   -5.7X
KUR      13.21  20 eP     53 40.70   -5.2X
         0.8s    120.00nm           5.9mb
                   eS     55 55.00
YSS      14.08   3 ePc    53 51.00   -6.4X
      Z  14s       3.50um
      N  14s       5.10um
      E  14s       4.50um
                   e      56 18.00
MDJ      14.90 325 eP     54 06.10   -2.1
         1.0s     18.00nm           4.3mb
      Z  16s       5.19um           4.4Msz
      N  14s       4.94um
      E  12s       2.00um
                   pP     54 12.50
                   S      56 52.00
CN2      16.61 315 Pc     54 29.00   -1.0
         1.2s     40.00nm           4.4mb
      Z  15s       4.35um           4.3Msz
      N  12s       1.78um
      E  12s       3.27um
                   epP    54 35.00
                   eS     57 34.00
SNY      16.79 307 Pc     54 32.00   -0.2
         0.8s     52.00nm           4.7mb
      Z  16s       5.88um           4.7Msz
      N  12s       3.21um
      E  12s       0.73um
                   S      57 40.00
DL2      17.18 296 Pc     54 37.00   -0.2
         0.8s     30.00nm           4.5mb
      Z  10s       8.21um           5.0Msz
      E  14s      10.40um
SSE      17.37 269 Pc     54 40.50    0.9
         1.0s     63.00nm           4.7mb
      Z  12s       6.30um           4.7MszX
      N  10s       2.00um
      E  12s       4.00um
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NJ2      19.16 273 Pd     55 00.50   -1.0
         1.0s     45.00nm           4.7mb
      N  12s       2.82um
      E  12s       1.72um
                   sP     55 13.00
TATO     19.25 251 P      55 01.90   -0.5
PJG      19.51 170 eP     55 07.30    1.9
GUMO     19.51 170 eP     55 07.30    1.9
         0.9s    303.80nm           5.6mb
                   e      55 17.50   45km
GUA      19.56 170 eP     55 07.90    1.9
         1.2s    850.00nm           5.9mb
                   (pP)   55 21.70   69kmX
TIA      20.36 286 eP     55 12.70   -1.5
         1.0s     43.00nm           4.7mb
      Z  15s      11.70um           5.4MszX
      N  12s       3.35um
      E  13s       5.86um
                   pP     55 24.80   53km
BJI      21.55 296 eP     55 23.50   -2.7
         1.1s     82.00nm           5.0mb
      Z  16s       2.92um           4.8MszX
      N  13s       2.06um
QZH      21.59 254 eP     55 23.00   -3.7X
      E  14s       1.52um
                   S      59 14.00
WHN      23.23 271 eP     55 42.50   -0.4
         0.7s     60.00nm           5.2mb
      Z  16s       3.81um           4.9MszX
      N  14s       2.43um
      E  15s       2.54um
                   sP     55 57.00
                   S      59 41.00
PET      23.53  26 eP     55 45.00   -0.5
         2.0s    333.00nm           5.5mb
      Z  18s       2.00um           4.6Msz
                   eS     59 55.00
TIY      24.18 290 eP     55 50.80   -1.3
         0.7s     46.00nm           5.1mb
      Z  16s       7.15um           5.2MszX
      N  14s       0.45um
HHC      25.16 297 eP     56 01.00   -0.5
         1.3s    320.00nm           5.7mb
      Z  18s       4.23um           5.0Msz
      N  14s       0.81um
      E  13s       4.11um
                   sP     56 15.00
                   PP     56 42.00
BTO      26.29 296 iPd    56 12.00    0.0
         1.0s    170.00nm           5.6mb
      N  14s       4.66um
      E  14s       3.46um
                   sP     56 24.50
GZH      26.70 256 eP     56 14.00   -1.8
      Z  16s       1.43um           4.6MszX
      N  12s       0.93um
      E  13s       1.85um
XAN      27.17 281 Pc     56 18.70   -1.4
         1.0s     71.00nm           5.3mb
      N  12s       1.30um
      E  14s       3.79um
                   pP     56 29.60   41km
                   sP     56 34.70
CIT      27.79 322 eP     56 27.00    1.4
      Z  15s       2.60um           4.9MszX
      N  14s       2.01um
      E  14s       3.64um
                   eS     01 06.00
MGD      27.84  10 eP-    56 26.00    0.2
         1.2s     60.00nm           5.1mb
                   e      56 37.00   41km
                   ePPP   57 11.00
                   eS     01 00.00
                   eSS    02 22.00
YAK      30.06 349 eP     56 42.00   -3.7X
         1.8s    100.00nm           5.3mb
      Z  15s       2.20um           4.9MszX
      N  16s       1.20um
      E  13s       2.20um
                   e      57 45.00 332kmX
                   i      59 49.00
                   eS     01 40.00
                   eSS    03 16.00
                   e      07 20.00
SMY      30.60  40 P      57 00.00    9.4X
      Z  21s       2.71um           4.9Msz
GYA      30.89 267 P      56 51.40   -2.2
```

Z 16s 4.70um 5.2MszX
N 12s 1.32um
E 12s 1.17um
S 01 52.00
BOD 31.05 332 iPc 56 54.70 0.2
1.0s 74.00nm 5.4mb
LZH 31.10 286 eP 56 54.00 -1.4
1.5s 43.00nm 5.0mb
PP 58 00.00
CD2 32.03 277 P 57 01.40 -2.1
1.0s 140.00nm 5.8mb
Z 16s 9.63um 5.6MszX
E 14s 6.31um
pP 57 14.00 49km
ZAK 33.02 313 iPc+ 57 12.20 0.4
1.2s 30.00nm 5.0mb
Z 13s 2.45um 5.1MszX
N 12s 0.67um
E 14s 1.54um
eS 02 34.00
eSS 04 26.00
IRK 33.03 317 eP+ 57 12.00 0.1
2.0s 19.00nm 4.6mb
Z 16s 1.40um 4.8MszX
N 13s 1.25um
E 16s 0.67um
eS 02 33.00
GTA 34.07 293 iPc 57 21.00 -0.2
1.0s 150.00nm 5.9mb
Z 16s 3.14um 5.1MszX
N 15s 1.91um
pP 57 33.50 47km
sP 57 39.00
PP 58 35.00
S 02 38.00
SS 04 43.00
ScS 07 41.50
KMI 34.67 267 Pd 57 25.00 -1.6
1.5s 60.00nm 5.3mb
Z 14s 2.00um 5.0MszX
N 12s 1.20um
E 13s 2.30um
iS 02 46.00
sS 03 10.00
LOE 38.96 256 eP 58 01.00 -1.6
CHG 40.56 260 iPd 58 15.50 -0.3
ILT 41.78 21 iPc 58 24.00 -1.1
1.2s 39.00nm 5.0mb
Z 20s 1.20um 4.8Msz
N 20s 1.00um
E 20s 0.60um
i 58 36.50 46km
eS 04 36.00
eSS 07 40.00
eSSS 08 28.00
LSA 42.85 280 P 58 35.00 0.0
N 15s 1.63um
WMQ 42.91 301 Pc 58 36.00 1.2
2.0s 300.00nm 5.7mb
Z 14s 1.93um 5.1MszX
N 12s 1.26um
PP 00 18.00
PcP 00 28.00
ScP 04 14.00
PcS 04 17.50
S 05 00.00
sS 05 13.80
SS 08 04.00
ScS 08 32.00
SHL 43.63 274 iP 58 40.00 -1.0
eS 05 12.00
ANM 45.06 29 eP 58 51.30 -0.5
epP 59 04.20 48km
SDN 45.64 43 P 59 10.00 13.5X
Z 21s 0.85um 4.7Msz
MTN 46.61 194 eP 59 03.10 -1.4
NRI 46.88 337 iPc 59 04.80 -1.3
1.4s 36.00nm 5.1mb
Z 16s 3.30um 5.4MszX
E 15s 1.50um
e 59 17.00 44km
e 00 41.00
e 00 56.00
ePPP 01 45.00
eS 05 53.00
eSS 08 58.00
IPM 47.15 242 ePd 59 08.30 -0.6

1.0s 36.00nm 5.3mb
GUN 47.80 279 P 59 13.20 -1.2
KHKI 47.94 216 ePc 59 13.60 -1.4
e 13 32.70
PKI 48.31 279 P 59 16.80 -1.5
KKN 48.34 280 P 59 17.00 -1.4
DMN 48.55 279 P 59 18.90 -1.1
SVW 48.73 35 eP 59 20.60 -0.1
1.4s 73.21nm 5.5mb
i 59 37.44 66kmX
TTA 48.75 33 eP 59 20.09 -0.8
1.5s 24.42nm 5.0mb
GKN 48.80 280 P 59 20.70 -1.1
PRZ 49.82 300 iPd 59 30.50 1.0
1.0s 100.00nm 5.8mb
Z 16s 2.60um 5.3MszX
N 16s 2.10um
E 16s 2.60um
eS 06 40.50
REF 50.11 36 eP 59 30.09 -1.4
BRW 50.14 22 eP 59 31.05 -0.2
epP 59 44.10 48km
IMA 50.18 29 eP 59 31.26 -0.6
1.4s 19.18nm 4.9mb
TLG 50.41 301 iPc 59 36.00 2.1
1.4s 80.00nm 5.5mb
Z 15s 0.90um 4.9MszX
N 15s 1.00um
E 16s 0.90um
e 01 32.00 651kmX
eS 06 37.00
eSSS 09 24.00
CRP 50.41 35 eP 59 33.16 -0.6
PMS 51.67 35 eP 59 41.50 -1.6
1.1s 18.40nm 5.0mb
PMR 51.87 35 eP 59 42.61 -2.0
1.3s 49.65nm 5.4mb
Z 19s 0.66um 4.7Msz
KSH 52.28 297 P 59 49.60 1.5
N 12s 1.07um
E 10s 1.32um
S 07 12.00
FRU 52.48 301 iPc 59 50.40 0.9
2.0s 120.00nm 5.6mb
Z 16s 1.60um 5.2MszX
E 16s 1.40um
e 00 00.00 32kmX
eS 07 14.00
FBA 52.53 30 eP 59 47.44 -2.0
0.9s 14.29nm 5.0mb
CTA 52.93 174 eP 59 55.30 2.4
0.8s 31.34nm 5.4mb
iS 07 29.30
WRA 53.04 188 P 59 52.50 -1.2
QIS 53.23 182 iPd 59 53.90 -1.2
0.8s 12.00nm 5.0mb
HON 54.38 86 P 00 10.00 6.3X
Z 20s 0.71um 4.7Msz
NDI 54.66 284 iPd 00 05.00 -0.7
eS 07 42.50
ASPA 56.77 188 iPc 00 19.20 -1.6
0.6s 16.10nm 5.2mb
Z 22s 0.70um 4.7Msz
eS 08 06.60
MBL 57.66 204 iPc 00 26.30 -0.8
0.6s 17.00nm 5.3mb
HYB 58.30 271 eP 00 31.50 -0.3
1.0s 80.00nm 5.8mb
SVE 58.33 320 iPc 00 31.00 -0.4
2.5s 70.00nm 5.3mb
Z 16s 1.50um 5.2MszX
N 16s 1.00um
E 16s 1.00um
e 02 41.50 717kmX
ePPP 04 08.00
eS 08 31.00
e 10 12.00
SIT 59.45 39 P 00 50.00 10.9X
Z 20s 1.84um 5.2Msz
RMQ 59.50 173 eP 00 39.00 -0.8
ARU 59.52 320 iPc 00 39.30 -0.4
1.0s 80.00nm 5.8mb
Z 15s 1.50um 5.2MszX
N 20s 0.50um
E 18s 1.00um
e 00 51.00 40km
e 01 25.00

eS 08 47.00
DZM 59.65 153 iPc 00 42.20 1.2
MBC 60.41 16 eP 00 45.50 -0.1
0.8s 18.00nm 5.3mb
NANU 60.53 208 eP 00 46.30 -0.6
POO 61.72 275 iPd 00 41.20 -14.1X
QUE 62.35 290 eP 00 59.50 0.1
MEEK 63.15 203 eP 01 03.50 -0.9
ARMA 63.74 170 eP 01 09.00 0.6
i 01 22.00 45km
CMS 64.21 176 eP 01 11.00 -0.3
STK 64.48 180 P 01 12.89 -0.1
FORT 64.65 193 eP 01 13.50 -0.7
MAIO 65.61 299 iPc 01 21.40 0.8
eS 10 20.00
ASH 65.78 301 eP 01 22.50 1.0
COOL 66.36 199 eP 01 24.00 -1.1
MRWA 66.41 204 eP 01 25.10 -0.4
APA 66.50 337 iPd 01 25.70 0.1
KAT 66.77 303 eP 01 29.00 1.2
Z 14s 0.80um 5.1MszX
N 14s 0.50um
E 14s 1.00um
e 01 54.00 99kmX
e 03 57.00
ePPP 05 40.00
eS 10 22.00
ePS 10 44.00
YKA 67.29 29 eP 01 28.70 -2.0
1.1s 5.80nm 4.5mb
KEV 67.30 340 eP 01 30.00 -0.7
BAL 67.44 203 eP 01 31.00 -1.0
KLB 68.01 202 eP 01 35.00 -0.6
PGC 69.11 45 eP 01 42.00 -0.2
NWAO 69.41 202 eP 01 44.00 -0.2
MCW 69.46 45 (P) 01 45.47 1.0
DAG 69.86 355 iPc 01 46.90 0.5
0.8s 17.91nm 5.1mb
GMW 70.00 46 eP 01 47.60 -0.2
epP 02 00.91 46km
BMW 70.22 47 eP 01 49.25 0.0
TOO 70.25 177 eP 01 47.00 -2.2
MOS 70.61 324 eP 01 52.00 0.7
i 02 05.00 45km
BAK 70.68 306 iPc 01 54.00 2.0
iS 11 10.00
LON 70.96 46 eP 01 53.61 -0.1
epP 02 06.34 44km
SHW 70.96 47 (P) 01 54.92 1.1
PNT 71.05 43 eP 01 53.00 -1.1
1.0s 17.00nm 5.0mb
SHE 71.42 307 eP 01 56.00 -0.4
1.0s 45.00nm 5.4mb
Z 16s 1.80um 5.4MszX
N 16s 2.50um
E 18s 2.00um
iS 11 12.00
OBN 71.44 324 eP 01 57.00 0.7
1.0s 35.00nm 5.3mb
Z 17s 1.70um 5.4MszX
N 17s 1.20um
E 17s 1.30um
e 02 10.00 45km
e 04 32.00
eS 11 13.00
e 12 00.00
PUL 71.78 330 (P) 01 58.00 -0.2
1.0s 40.00nm 5.3mb
e 02 12.00 49km
eS 11 18.00
KAF 71.99 333 iP 01 59.30 -0.2
0.9s 23.50nm 5.1mb
GRO 72.09 310 eP 01 59.00 -1.4
Z 14s 2.50um 5.6MszX
N 18s 3.50um
E 12s 2.50um
VGB 72.18 47 (P) 02 01.28 0.3
DPW 72.57 44 eP 02 03.20 -0.1
epP 02 15.74 43km
PYA 73.42 312 eP 02 08.00 -0.2
i 02 22.00 49km
LBFM 73.51 51 eP 02 09.55 0.5
ipP 02 22.05 43km
GRS 73.52 307 iPc 02 10.00 1.0
1.6s 80.00nm 5.4mb
Z 14s 0.36um 4.8MszX
N 14s 0.23um

E 14s 0.46um
eS 11 38.00
NUR 73.61 333 eP 02 09.00 0.1
0.8s 18.80nm 5.1mb
e 11 37.00
KIV 73.70 312 iP 02 11.00 1.1
i 02 24.10 45km
iS 11 40.40
iPS 12 03.20
ERE 74.41 308 iP+ 02 15.50 1.4
Z 17s 0.85um 5.1MszX
iS 11 52.00
ePS 12 32.00
ORV 74.65 53 eP 02 14.65 -0.8
epP 02 27.33 43km
SES 75.23 39 eP 02 18.00 -0.6
1.3s 71.00nm 5.5mb
pP 02 29.00 36km
SOC 75.73 313 iPc+ 02 22.00 0.5
1.8s 60.00nm 5.2mb
Z 17s 0.70um 5.0MszX
N 16s 0.50um
E 15s 0.50um
eS 12 05.00
MNK 76.46 326 eP 02 23.00 -2.4
ANN 76.50 315 eP 02 25.00 -0.7
e 02 39.00 49km
eS 12 09.00
UPP 76.68 335 iP 02 26.30 -0.1
LRM 77.00 44 eP 02 28.80 -0.1
FCC 77.61 26 eP 02 37.50 5.9X
HPI 77.80 46 eP 02 34.34 0.9
epP 02 47.06 43km
HFS 77.86 336 eP 02 32.20 -0.8
0.8s 16.10nm 5.1mb
Z 19s 0.92um 5.1Msz
LR 36 36.00
NB2 78.00 338 P 02 34.20 0.4
0.9s 14.90nm 5.0mb
SIM 78.33 316 eP 02 30.00 -5.9X
Z 20s 0.50um 4.8Msz
e 12 32.00
ISA 78.72 55 P 02 50.00 11.7X
Z 20s 1.18um 5.2Msz
DUG 79.96 49 eP 02 45.38 0.4
0.9s 13.71nm 4.9mb
epP 02 58.28 44km
KIS 80.05 320 eP 02 43.00 -2.1
e 02 59.00 57kmX
eS 12 49.00
BW06 80.46 45 eP 02 47.50 -0.2
1.8s 24.88nm 4.9mb
KAS 80.61 313 eP 02 51.00 2.6
DAU 80.81 48 eP 02 49.05 -0.7
epP 03 02.62 46km
ARUT 80.92 51 eP 02 50.55 0.3
epP 03 03.23 43km
MSU 81.33 50 eP 02 52.97 0.6
epP 03 06.02 44km
PTT 81.42 321 eP 02 50.00 -2.4
EMUT 81.43 48 eP 02 53.42 0.5
epP 03 06.68 45km
VRI 81.92 320 ePd 02 56.00 1.0
SRU 82.03 48 eP 02 56.24 0.3
epP 03 08.97 43km
UZH 82.39 324 eP 02 58.00 0.6
1.0s 45.00nm 5.5mb
e 03 10.20 40km
OJC 82.50 327 eP 02 59.20 1.3
e 03 12.70 46km
RSSD 82.81 41 eP 03 00.10 0.1
1.9s 54.53nm 5.3mb
SPC 83.00 326 eP 03 01.80 1.0
KSP 83.63 329 iPd 03 05.00 1.2
i 03 18.80 47km
e 04 19.50
HRI 84.05 306 eP 03 07.40 1.0
BRG 84.62 330 eP 03 09.20 0.5
1.0s 24.00nm 5.3mb
i 03 23.10 47km
CSS 84.67 308 eP 03 11.50 2.2
CLL 84.69 330 iPc 03 09.30 0.3
1.0s 27.00nm 5.3mb
ipP 03 23.10 47km
GOL 84.83 45 eP 03 11.32 1.0
1.2s 15.35nm 5.0mb
Z 19s 0.66um 5.0Msz
SRO 84.88 326 eP 03 11.00 1.0
i 03 24.70 46km
JVI 85.10 305 eP 03 12.50 0.9
ZST 85.18 326 eP 03 12.60 1.1
e 06 34.20
MOX 85.77 331 ePd 03 15.60 1.1
1.7s 30.00nm 5.2mb
Z 18s 0.50um 5.0Msz
e 03 29.10 46km
eS 13 53.00
KHC 86.08 329 P 03 16.50 0.4
1.4s 11.00nm 4.9mb
Z 14s 1.50um 5.5MszX
N 14s 0.70um
E 14s 1.00um
e 03 19.50 9kmX
e 03 30.50
S 13 52.00
GEC2 86.24 328 P 03 16.00 -1.0
0.9s 1.58nm 4.3mb
GRF 86.66 330 iPc 03 19.80 0.9
Z 18s 0.50um 5.0Msz
e 03 23.10 10kmX
e 03 34.20
MBH 86.69 303 eP 03 20.00 0.5
EKA 87.02 341 Pc 03 20.90 0.4
1.3s 18.10nm 5.1mb
ALO 87.14 50 P 03 30.00 8.3X
Z 20s 1.01um 5.2Msz
VAY 87.18 319 eP 03 20.60 -0.9
SKO 87.36 320 eP 03 17.00 -5.4X
OHR 88.30 319 eP 03 27.50 0.5
CDF 89.28 332 eP 03 31.60 0.0
0.8s 3.10nm 4.7mb
LLS 89.79 330 P 03 38.54 4.4X
TMA 90.45 329 P 03 37.50 0.3
SFI 90.80 326 P 03 40.45 1.9
1.1s 45.40nm 5.8mb
PGD 90.90 326 P 03 40.70 1.4
CRE 90.98 326 P 03 40.81 1.2
1.1s 15.90nm 5.3mb
DIX 91.09 330 P 03 41.29 1.0
MME 91.12 327 P 03 41.93 1.5
1.1s 32.30nm 5.7mb
FIR 91.19 326 eP 03 40.00 -0.4
AOU 91.24 324 P 03 56.13 15.4X
0.8s 32.00nm
BOB 91.24 328 P 03 41.54 0.8
LOR 91.55 333 eP 03 42.20 0.1
1.2s 7.45nm 5.0mb
Z 20s 0.35um 4.8Msz
SGO 91.61 322 P 03 43.13 0.8
LBF 91.74 332 eP 03 43.00 0.0
1.2s 8.05nm 5.0mb
LPL 91.82 330 eP 03 44.00 0.4
1.0s 11.00nm 5.2mb
LPG 91.83 330 eP 03 44.10 0.4
1.1s 17.10nm 5.4mb
SSF 91.86 333 eP 03 43.80 0.3
0.9s 5.55nm 5.0mb
FLN 91.88 336 eP 03 43.90 0.4
1.1s 9.50nm 5.1mb
Z 20s 0.55um 5.0Msz
LDF 91.90 336 eP 03 43.90 0.3
1.0s 7.80nm 5.1mb
SMF 92.08 332 eP 03 44.70 0.2
1.0s 8.40nm 5.1mb
MEO 92.13 46 iPd 03 46.00 1.0
AVF 92.14 333 eP 03 45.20 0.5
0.9s 10.80nm 5.3mb
GRR 92.33 336 eP 03 46.20 0.6
0.9s 8.20nm 5.2mb
BGF 92.53 333 eP 03 47.10 0.5
1.2s 11.30nm 5.2mb
LPF 92.70 336 eP 03 47.90 0.6
1.2s 17.55nm 5.4mb
SBF 92.84 329 eP 03 47.50 -0.6
0.9s 9.65nm 5.2mb
MAF 92.92 333 eP 03 49.00 0.6
1.4s 13.05nm 5.2mb
LNO 93.00 43 eP 03 48.10 -0.6
TUL 93.00 43 eP 03 48.50 -0.4
0.8s 9.40nm 5.3mb
Z 20s 0.43um 4.9Msz
e 03 53.00 14kmX
e 04 02.90
e 26 02.00
LR 31 10.00
TCF 93.00 333 eP 03 49.30 0.5
0.8s 3.75nm 4.9mb
LSF 93.29 333 eP 03 50.40 0.3
0.8s 7.95nm 5.2mb
FRF 93.43 329 eP 03 50.40 -0.3
1.1s 10.25nm 5.2mb
VVO 93.43 44 eP 03 51.60 0.7
MFF 93.61 335 eP 03 52.10 0.6
1.1s 9.50nm 5.1mb
LRG 93.64 329 eP 03 51.90 0.2
1.2s 19.65nm 5.4mb
Z 19s 0.45um 4.9Msz
LMR 93.67 329 eP 03 51.60 -0.2
0.8s 7.95nm 5.2mb
CCM 93.96 39 eP 03 53.80 0.5
1.0s 11.86nm 5.3mb
Z 20s 0.34um 4.8Msz
SLM 94.06 38 P 04 00.00 6.3X
Z 19s 1.21um 5.4Msz
RJF 94.09 333 eP 03 54.40 0.6
1.0s 15.00nm 5.4mb
Z 18s 0.40um 4.9Msz
CAF 94.20 332 eP 03 55.30 1.0
1.5s 17.25nm 5.3mb
FVM 94.45 39 P 04 10.00 14.5X
Z 18s 0.54um 5.0Msz
LPO 94.74 333 eP 03 57.50 0.8
1.3s 10.85nm 5.1mb
HRV 99.00 24 P 04 30.00 13.9X
Z 19s 0.27um 4.8Msz
CEH 101.66 33 Pdiff 04 40.00 12.0X
Z 20s 0.37um 4.9Msz
SPA 122.77 180 iPKPc 09 29.70 -0.9
0.9s 6.82nm
ARE 145.97 69 ePKP 10 15.00 -0.4
ZOBO 148.48 65 PKP 10 22.80 3.0X
1.1s 29.00nm
Z 20s 0.26um 5.0Msz
LR 54 20.00
LPB 148.65 66 PKP 10 25.00 5.2X
CNCB 148.90 66 PKP 10 23.00 2.6
CCH 150.65 65 PKP 10 29.30 6.6X
SIV 153.47 56 PKP 10 35.60 9.1X
S.D. = 1.1 on 209 of 240 obs.

? JUN 14, 1992 13h 02m 19.45± 0.97s
44.369 N ±10.0km 7.326 E ± 9.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.3 (GEN).

STV 0.12 181 P 02 22.59 0.0
S 02 24.64
ENR 0.16 154 P 02 23.15 0.0
S 02 25.72
PZZ 0.21 310 P 02 24.12 0.0
S 02 27.71
ROB 0.40 101 P 02 27.61 0.0
S 02 34.07
S.D. = 0.0 on 4 of 4 obs.

? JUN 14, 1992 13h 14m 02.20± 1.07s
36.979 N ±13.2km 29.418 E ±10.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ELL 0.46 120 iPg 14 11.50 0.0
iSg 14 19.50
CIN 1.23 301 eP 14 25.00 -0.1
KHL 1.34 4 iPn 14 27.00 0.0
IZM 2.22 310 iPn 14 39.70 0.1
S.D. = 0.1 on 4 of 4 obs.

? JUN 14, 1992 13h 43m 49.08± 0.90s
21.388 S ±33.0km 169.544 E ±20.6km
DEPTH = 33.0km (normal)
4.4mb (3 obs.)
LOYALTY ISLANDS REGION (189)

DZM 2.96 256 iPd 44 35.50 0.6
BKM 3.90 341 iP 45 03.20 15.0X
RMQ 19.66 251 eP 48 21.00 2.7X
CMS 23.45 240 eP 48 56.00 -0.5
TOO 26.32 227 eP 49 24.00 0.3
WB2 32.92 266 eP 50 21.50 -1.2
0.4s 2.40nm 4.4mb

```
WRA     32.93 266 P       50 22.10  -0.7
        0.4s      1.30nm          4.2mb
ASPA    32.95 259 iPd     50 26.60   3.6X
        1.1s      8.40nm          4.6mb
CHTO    79.80 295 (P)     55 58.00   1.9
KSP    143.90 331 ePKPd   03 14.60  -7.9X
                  ic      26 52.60
BRG    144.91 333 iPKP    03 22.80  -1.4
        1.3s     29.00nm
                  i       03 31.20
SRO    144.93 326 ePKP    03 25.60   1.3
CLL    144.97 334 ePKP    03 23.00  -1.3
        1.5s     27.00nm
ZST    145.31 327 e(PKP)03 26.00   1.0
EKA    145.66 353 PKPd    03 23.40  -2.0
        0.5s      2.60nm
MOX    146.04 335 ePKP    03 31.30   5.1X
SKO    146.26 315 ePKP    03 17.00  -9.8X
                  i       03 35.10
KHC    146.35 331 ePKP    03 28.00   1.2
        1.0s      3.50nm
                  e       03 32.60
                  e       03 53.00
GEC2   146.50 331 PKP     03 26.70  -0.4
        1.0s      2.52nm
GRB5   147.20 333 e(PKP)03 30.80   2.7X
        1.0s      5.00nm
BCAO   147.20 243 ePKPc   03 30.50   1.3
        1.6s     52.00nm
                  ic      03 44.30
     S.D. = 1.3  on  14 of  21 obs.
------------------------------------------
•  JUN  14, 1992  14h 19m 04.87± 0.75s
   22.574 N ±19.6km   93.503 E ±17.1km
   DEPTH =  67.6 ± 10.0 km
   4.1mb (  5 obs.)
 MYANMAR-INDIA BORDER REGION       (294)

SHL      3.33 334 iP      19 56.20   0.4
                  eS      20 30.00
CHG      6.32 125 ePn     20 37.00  -0.6
                  eSg     21 48.50
BDT      7.41 135 eP      20 53.10   0.5
GUN      8.71 309 P       21 11.00   0.1
PKI      8.86 306 P       21 12.80  -0.2
KKN      9.08 307 P       21 15.60  -0.2
DMN      9.11 305 P       21 16.60   0.2
GKN      9.67 306 P       21 23.60  -0.3
WRA     58.10 134 P       28 53.50  -0.3
        0.5s      0.50nm          3.9mb
WB2     58.11 134 eP      28 53.00  -0.9
        0.3s      1.40nm          4.6mb
ASPA    60.46 137 eP      29 11.40   1.3
        2.4s      5.00nm          4.2mb
GEC2    66.76 315 P       29 51.90   0.7
        0.5s      0.92nm          4.0mb
NB2     66.81 328 P       29 50.60  -0.7
        0.9s      2.60nm          4.2mb
     S.D. = 0.7  on  13 of  13 obs.
------------------------------------------
?  JUN  14, 1992  14h 20m 59.01± 0.70s
   31.394 N ±12.2km  141.839 E ±22.7km
   DEPTH =  33.0km  (normal)
   4.1mb (  8 obs.)
 SOUTH OF HONSHU, JAPAN            (211)

CHTO    40.57 262 eP      28 36.20  -1.0
WB2     51.55 189 iPc     30 04.00   0.0
        0.4s      4.20nm          4.8mb
WRA     51.55 189 P       30 04.40   0.4
        0.7s      1.80nm          4.1mb
FBA     53.74  30 eP      30 20.00   0.1
        1.0s      1.20nm          3.9mb
ASPA    55.27 189 iPc     30 31.60   0.1
        0.5s      5.30nm          4.8mb
YKA     68.53  29 eP      31 58.80  -1.2
        0.9s      0.70nm          3.7mb
KAF     73.49 334 eP      32 31.10   1.3
        0.6s      1.80nm          4.2mb
NUR     75.10 333 eP      32 41.10   2.0
HFS     79.37 336 eP      33 01.50  -1.3
        0.6s      1.00nm          4.0mb
NB2     79.52 338 P       33 03.20  -0.5
        0.9s      1.90nm          4.1mb
ZOBO   148.86  68 PKP     40 49.00   6.9X
CNCB   149.27  69 PKP     40 49.00   6.3X
     S.D. = 1.2  on  10 of  12 obs.
```

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•  JUN  14, 1992  14h 25m 05.21± 0.50s
   33.729 S ± 7.7km   70.574 W ±10.4km
   DEPTH =  90.0km  (geophysicist)
 CHILE-ARGENTINA BORDER REGION     (127)
      MD 3.7 (SAN).

PCH      0.12  25 iPd     25 18.40   0.0
                  iS      25 28.50
CHCH     0.21 198 iPd     25 18.40  -0.2
                  iS      25 28.00
SAN      0.28 345 eP      25 19.00   0.2
                  (S)     25 28.20
TACH     0.31 284 iPd     25 19.00   0.1
                  iS      25 29.40
CACH     0.39 183 iPd     25 19.80   0.3
                  iS      25 31.00
FCH      0.46  31 iPd     25 20.40   0.1
                  iS      25 32.60
PEL      0.59 351 iPc     25 21.20   0.2
                  iS      25 33.50
LNV      0.73 252 iPd     25 21.90  -0.3
                  iS      25 34.50
ROCH     0.84 334 iPc     25 23.60   0.0
                  iS      25 37.60
JACH     1.04 359 iPc     25 25.90   0.1
                  iS      25 41.80
RTLL     2.98  37 e(P)    25 51.00  -0.4
     S.D. = 0.2  on  11 of  11 obs.
------------------------------------------
   JUN  14, 1992  14h 32m 30.43± 0.87s
   39.356 N ± 6.9km   20.617 E ± 8.2km
   DEPTH =  10.0km  (geophysicist)
 GREECE-ALBANIA BORDER REGION      (392)
      MD 3.1 (ATH). ML 3.0 (TIR).

SRN      0.71 318 ePg     32 44.60   0.2
                  iSg     32 55.60
KEK      0.73 300 ePb     32 44.00  -0.7
LSK      0.79 359 iPgd    32 45.20  -0.7
                  iSg     33 00.00
TPE      1.05 334 ePn     32 50.50   0.3
VLS      1.18 181 ePb     32 52.50   0.1
                  eSb     33 09.00
KZN      1.30  43 ePb     32 54.00  -0.6
VLO      1.41 323 ePn     33 00.10   4.1X
OHR      1.76   4 ePn     33 03.30   2.1
TIR      2.07 344 ePn     33 09.50   3.9X
VAY      2.47  37 ePn     33 11.50   0.2
SKO      2.69  13 eP      33 13.50  -1.0
SDA      2.79 343 ePn     33 27.50  11.6X
     S.D. = 1.1  on   9 of  12 obs.
------------------------------------------
•  JUN  14, 1992  15h 12m 14.82± 1.62s
   36.416 N ±15.8km   70.870 E ± 9.2km
   DEPTH = 180.8 ± 20.2 km
   4.1mb (  2 obs.)
 HINDU KUSH REGION, AFGHANISTAN    (718)

QUE      7.02 209 eP      13 56.00  -0.3
                  eS      15 18.00
NDI      9.39 143 eP      14 28.00   0.8
                  eS      16 08.50
GKN     14.35 122 P       15 30.60  -0.4
DMN     14.92 122 P       15 39.00   0.8
KKN     14.92 121 P       15 34.20  -4.1X
PKI     15.15 121 P       15 40.80  -0.4
GUN     15.27 119 P       15 42.00  -0.6
NUR     37.83 324 eP      19 15.00   0.0
HFS     43.07 322 eP      19 58.00   0.1
        0.6s      4.10nm          4.2mb
NB2     44.38 323 P       20 08.70   0.1
        0.5s      2.20nm          4.0mb
WRA     82.04 122 P       24 16.60   0.5
        0.5s      0.30nm          3.3mb X
WB2     82.05 122 eP      24 15.60  -0.5
        1.1s      1.30nm          3.6mb X
     S.D. = 0.6  on  11 of  12 obs.
------------------------------------------
%  JUN  14, 1992  15h 28m 56.79± 0.76s
   21.408 S ±11.8km  129.143 E ± 7.4km
   DEPTH =  10.0km  (geophysicist)
 NORTHERN TERRITORY, AUSTRALIA     (591)

ASPA     4.94 118 iPd     30 13.60   0.7
                  eS      30 52.70
WB2      5.09  74 iPc     30 14.40  -0.6
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        0.2s      8.60nm          5.0mb
                  eS      31 11.70
KNA      5.64 356 eP      30 27.40   4.7X
                  eS      31 30.00
MBL      8.68 270 eP      31 09.00   3.5X
                  eS      32 42.00
MTN      8.72  13 eP      31 06.00   0.0
                  eS      32 44.00
QIS      9.81  87 iPd     31 21.00   0.0
                  eS      32 58.00
                  i       33 57.50
NANU    12.68 262 eP      32 01.00   0.9
                  eS      34 19.00
MRWA    14.20 234 eP      32 19.00  -1.1
                  eS      34 48.00
     S.D. = 1.0  on   6 of   8 obs.
------------------------------------------
&  JUN  14, 1992  15h 50m 47.11s
   34.024 N            116.353 W
   DEPTH =   2.0km
 SOUTHERN CALIFORNIA               ( 43)
      <PAS-P>. ML 3.1 (PAS), 2.9 (GS).

PEC      0.68 259 ePc     50 59.90  -0.9
PLM      0.79 213 iPd     51 02.19  -0.7
SSK      1.13 280 iPc     51 08.01  -1.1
ISA      2.39 314 ePc     51 26.34  -1.7
                  S       52 02.55
ABL      2.51 290 eP      51 28.40  -1.4
BCH      3.29 292 eP      51 40.25  -0.5
MSU      5.61  36 eP      52 14.17   0.3
SRU      6.91  41 eP      52 33.77   1.7
         8 obs. associated
------------------------------------------
•  JUN  14, 1992  15h 57m 04.79± 0.84s
   39.178 N ± 7.7km   22.160 E ±10.5km
   DEPTH =  10.0km  (geophysicist)
 GREECE                            (364)
      MD 3.3 (ATH). ML 3.2 (TIR).

KZN      1.17 345 ePb     57 24.70  -1.9
LSK      1.55 309 iPnd    57 31.60  -0.9
                  iSn     57 52.80
VLS      1.58 231 ePb     57 32.00  -1.0
ATH      1.71 134 ePn     57 36.50   1.7
SRN      1.81 293 ePn     57 36.10  -0.1
                  iSn     58 01.60
KEK      1.90 287 ePn     57 38.00   0.4
TPE      2.00 305 ePn     57 41.50   2.5
VAY      2.16   8 iPn     57 41.00  -0.3
OHR      2.20 332 iPn     57 42.90   1.0
        0.7s    133.00nm
                  Lg      58 15.60
VLI      2.53 166 ePn     57 45.20  -1.4
TIR      2.79 322 ePn     57 54.50   4.2X
                  iSn     58 36.00
SKO      2.84 349 ePn     57 51.00  -0.1
        0.8s     39.00nm
                  i       57 59.20
                  i       58 23.50
                  i       58 27.90
                  Lg      58 42.40
LACI     3.09 323 ePn     58 00.70   6.3X
SDA      3.48 325 ePn     58 04.30   4.2X
     S.D. = 1.5  on  11 of  14 obs.
------------------------------------------
%  JUN  14, 1992  16h 06m 37.52± 1.23s
   40.550 N ± 7.2km   29.576 E ±10.5km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

YLV      0.16 276 iPg     06 40.80  -0.4
IZI      0.23 200 iPg     06 42.40   0.0
                  iSg     06 45.40
HRT      0.28  14 iPg     06 43.40   0.0
                  eSg     06 47.40
KCT      0.98 253 ePn     06 56.40   0.3
CTT      1.05 305 iPn     06 57.60   0.2
     S.D. = 0.4  on   5 of   5 obs.
------------------------------------------
•  JUN  14, 1992  16h 28m 03.53± 1.14s
   45.947 N ±15.8km  148.917 E ±12.1km
   DEPTH = 156.4 ± 12.8 km
   3.9mb (  1 obs.)
 KURIL ISLANDS                     (221)

KUSJ     4.14 228 eP      29 05.40  -1.0
```

14d 16h

S 29 51.40
ASAJ 4 81 250 eP 29 18.80 3.5X
HOOJ 5 39 231 P 29 23.30 0.3
S 30 22.00
MRRJ 6 65 241 eP 29 41.40 1.6
eS 30 55.30
AOMJ 8.24 232 eP 30 00.40 -0.7
eS 31 26.40
OFUJ 8.70 220 eP 30 07.20 0.0
eS 31 35.60
IMA 36.16 36 ePc 34 51.82 -0.2
0.5s 1.41nm 3.9mb
FBA 38.58 38 (P) 35 12.60 0.4
GUN 52.16 273 P 37 00.20 -0.1
KKN 52.65 273 P 37 03.60 -0.2
PKI 52.69 273 P 37 04.20 0.0
DMN 52.88 273 P 37 05.60 0.1
GKN 52.96 274 P 37 05.60 -0.4
YKA 53.28 35 eP 37 07.50 -0.1
0.6s 0.40nm 3 4mb X
WRA 66.90 195 P 38 41.00 0.3
0.5s 0.30nm 3.4mb X
S.D. = 0.7 on 14 of 15 obs.

? JUN 14, 1992 16h 48m 58.16± 3.82s
6.234 S ±23.4km 130.816 E ±24.6km
DEPTH = 114.8 ± 37.8 km
4.6mb (2 obs.)
BANDA SEA (280)

MTN 6.58 177 eP 50 35.00 1.1
0.3s 138.00nm 5.8mb X
eS 51 15.00
KNA 9.67 192 eP 51 15.20 -0.5
0.3s 18.00nm 5.4mb X
eS 52 56.00
WB2 14.05 166 iPc 52 11.10 -2.3
0.2s 10.60nm 4.8mb
eS 54 39.00
OIS 16.60 150 eP 52 46.00 0.6
eS 55 40.00
ASPA 17.58 171 iPd 52 58.20 0.6
0.4s 13.10nm 4.5mb
eS 56 03.00
WARB 20.23 191 eP 53 27.00 0.6
NANU 21.93 221 eP 53 43.30 -0.1
CHG 40.08 309 eP 56 24.00 -0.1
S.D. = 1.4 on 8 of 8 obs.

% JUN 14, 1992 16h 50m 31.15± 0.82s
39.522 N ± 5.9km 29.644 E ± 9.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZI 0.82 351 iPg 50 46.40 -0.7
eSg 50 59.40
GPA 0.92 34 ePn 50 49.10 0.3
YLV 1.06 349 iPn 50 51.40 0.2
KHL 1.20 185 ePn 50 53.50 -0.1
KCT 1.23 307 iPn 50 54.40 0.4
BNT 1.57 303 ePn 50 59.00 0.0
CTT 1.87 331 iPn 51 03.40 0.0
S.D. = 0.5 on 7 of 7 obs.

JUN 14, 1992 17h 06m 59.77± 1.89s
26.538 S ± 9.3km 177.743 W ± 7.1km
DEPTH = 46.8 ± 16.0 km
5.3mb (17 obs.) 5.5Msz (7 obs.)
SOUTH OF FIJI ISLANDS (171)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 71C
Centroid Location:
Origin Time 17:06:58.5 0.4
Lat 26.47S 0.04 Lon 177.60W 0.03
Dep 27.9 2.1 Half-duration 2.5
Moment Tensor; Scale 10**17 Nm
Mrr=-1.51 0.07 Mtt= 1.00 0.09
Mff= 0.51 0.09 Mrt= 0.42 0.18
Mrf=-0.49 0.18 Mtf= 2.69 0.08
Principal Axes:
T Val= 3.46 Plg= 0 Azm=138
N -1.05 54 47
P -2.41 36 228
Best Double Couple:Mo=2.9*10**17
NP1:Strike=267 Dip=65 Slip= -27
NP2: 9 66 -153

RAO 2.71 183 iP 07 41.60 -0.3
S 08 13.00
DZM 15.08 284 iPc 10 31.10 -0.5
HNR 27.12 305 eP 12 40.00 -0.4
eS 17 12.00
ARMA 27.16 255 iPc 12 43.10 2.3
CNB 29.44 245 iPc 13 04.00 2.7
1.6s 147.00nm 5.4mb
RMQ 29.93 262 eP 13 06.00 0.2
0.9s 135.00nm 5.7mb
i 13 08.80
CMS 32.14 252 eP 13 25.00 -0.1
1.5s 125.00nm 5.5mb
TOO 32.86 241 eP 13 31.50 0.2
CTA 33.60 273 iPc 13 39.30 1.4
0.8s 167.54nm 6.0mb
eS 19 07.90
BFD 35.13 242 eP 13 48.00 -2.9X
STK 35.74 252 iPd 13 57.00 0.9
1.7s 9.20nm 4.4mb
ePcP 16 23.20
ADE 38.11 246 iPc 14 17.00 0.9
LAT 38.94 294 eP 14 22.80 -0.3
OIS 39.42 269 eP 14 26.00 -1.1
ASPA 43.68 263 iPd 15 01.70 -0.3
1.5s 105.30nm 5.4mb
Z 19s 5.70um 5.5Msz
ePP 16 53.20
eS 21 34.70
WB2 44.30 268 iPc 15 04.90 -2.2
0.6s 16.90nm 5.0mb
WRA 44.31 268 P 15 05.20 -2.0
0.5s 5.20nm 4.6mb
WARB 49.49 257 eP 15 46.00 -1.7
SBA 51.89 184 ePc 16 06.20 0.9
GUMO 53.96 313 eP 16 08.20 -13.1X
0.9s 148.00nm
Z 23s 3.13um 5.3MszX
e 16 17.30
eS 23 57.80
SPA 63.62 180 iPc 17 23.40 -4.7X
0.7s 27.34nm 5.4mb
Z 17s 1.57um 5.2MszX
CGP 65.77 294 iPc 17 40.00 -2.4
MAW 75.99 200 eP 18 42.00 -1.3
1.0s 18.00nm 5.0mb
QZH 79.96 304 eP 19 05.00 -0.7
SSE 81.76 311 P 19 14.00 -1.0
Z 24s 2.00um 5.4MszX
N 16s 0.50um
PP 22 18.00
S 29 24.00
ABL 82.42 45 eP 19 19.20 0.5
GZH 82.90 300 Pd 19 20.00 -1.1
SNA 83.37 178 e(P) 19 20.20 -2.5
0.8s 114.93nm 6.0mb
ISA 83.41 45 ePd 19 23.79 0.2
1.5s 46.77nm 5.3mb
OIZ 83.57 295 P 19 25.00 0.4
eS 29 42.00
NJ2 83.92 310 Pc 19 27.20 1.1
ORV 84.09 40 ePc 19 26.27 -0.6
MDJ 85.59 325 eP 19 34.30 0.1
1.2s 13.00nm 5.0mb
SNG 85.75 280 eP 19 36.20 0.5
e 24 24.00
WHN 86.22 307 eP 19 38.70 1.1
Z 26s 3.52um 5.6MszX
N 20s 1.48um
E 22s 2.22um
DL2 86.28 317 Pc 19 38.00 0.3
Z 20s 0.92um 5.2Msz
E 18s 1.25um
SNY 86.97 320 Pc 19 41.50 0.5
Z 24s 1.43um 5.3MszX
N 16s 0.68um
S 30 14.00
CN2 87.21 323 P 19 41.00 -1.2
1.2s 20.00nm 5.2mb
Z 26s 2.61um 5.5MszX
N 22s 1.23um
E 22s 1.19um
TIA 87.52 313 eP 19 45.00 1.2
Z 40s 4.58um 5.6MszX
S 30 16.00
GMW 88.76 34 eP 19 49.63 0.1
SLKM 89.60 13 iPc 19 51.88 -1.4

CPKM 89.90 12 eP 19 53.23 -1.7
CRP 89.92 12 eP 19 52.29 -2.6
BJI 90.34 315 eP 19 57.50 0.5
2.0s 120.00nm 5.9mb
Z 34s 2.00um 5.3MszX
SRU 90.53 46 eP 19 59.95 1.7
DAU 90.81 44 eP 20 01 90 2.2
ALO 90.99 51 iPc 20 01.25 0.8
1.4s 14.31nm 5.2mb
TIY 91.47 312 eP 20 03.00 0.6
Z 40s 4.06um 5.6MszX
N 20s 2.07um
PNT 91.52 34 eP 20 02.00 -0.3
BALM 91.88 16 eP 20 03.46 -0.4
XAN 91.96 307 eP 20 06.00 1.2
KMI 92.29 297 PKP- 20 06.00 -0.7
CHG 92.50 290 eP 20 09.00 1.5
LRM 93.20 40 eP 20 11.50 1.1
HHC 93.72 314 eP 20 14.00 1.2
Z 24s 1.35um 5.3MszX
sP 20 22.00
PP 24 03.00
SKS 30 50.00
FBA 94.06 12 iPc 20 14.75 1.1
CD2 94.22 302 P 20 16.80 1.6
Z 28s 1.72um 5.4MszX
SKS 30 50.00
LZH 96.59 307 eP 20 27.00 0.9
2.0s 32.00nm 5.5mb
Z 25s 2.12um 5.5MszX
E 25s 1.70um
sP 20 37.50
BUL 127.02 211 iPKPc 26 00.70 -0.4
MAIO 130.81 296 ePKP 26 08.00 0.2
OBN 142.07 328 ePKP 26 24.00 -4.0X
1.9s 80.00nm
Z 18s 1.10um 5.7Msz
N 18s 0.60um
E 18s 0.40um
e 26 48.00
e 30 08.00
NUR 142.75 342 ePKP 26 24.00 -5.0X
NB2 144.97 352 PKP 26 28.70 -4.2X
0.9s 47.50nm
UPP 145.04 346 iPKP 26 28.60 -4.3X
HFS 145.51 350 ePKP 26 30.90 -2.9X
0.6s 30.90nm
Z 19s 0.88um 5.6Msz
LR 16 34.00
MUD 149.69 352 iPKPc 26 45.20 4.7X
1.0s 24.00nm
COP 149.95 348 ePKP 26 45.60 4.7X
0.8s 38.81nm
KAS 150.16 308 iPKPc 26 47.40 5.6X
HRI 150.30 291 ePKP 26 46.70 4.4X
BHL 150.32 292 PKP 26 46.00 3.7X
MMR 150.58 291 ePKP 26 47.30 4.5X
WAR 150.69 336 ePKP 26 39.00 -3.1X
SAGI 151.31 285 ePKP 26 48.10 4.2X
VRI 152.58 321 ePKPd 26 46.00 0.8
OJC 152.78 335 ePKP 26 51.80 6.5X
e 27 05.70
BCAO 153.06 218 iPKPd 26 47.00 0.2
1.6s 143.00nm
id 26 54.10
MLR 153.24 321 ePKP 26 54.00 7.7X
e 32 08.00
CLL 153.95 345 ePKP 26 47.00 0.1
2.5s 58.00nm
BRG 154.11 343 ePKP 26 47.20 0.1
1.4s 36.00nm
i 26 55.40
i 27 09.00
MOX 154.88 346 ePKPd 26 48.40 0.3
2.6s 61.00nm
Z 20s 0.40um 5.2Msz
N 22s 0.60um
e 26 59.20
e 27 12.50
SRO 155.30 333 ePKP 26 48.20 -0.6
e 27 13.40
ZST 155.46 336 ePKP 26 48.80 -0.2
e 27 15.30
KHC 155.79 342 PKP 26 49.00 -0.5
1.3s 13.30nm
Z 22s 1.20um 5.7Msz
N 22s 0.70um

```
     E  22s      0.80um
                  e        27 16.50
                  e        30 52.00
GEC2  156.01 341 PKP       26 48.20  -1.7
      0.9s       0.62nm
FLN   157.71   5 ePKP      26 51.50  -0.4
      1.6s      18.65nm
     Z  23s      0.55um             5.3MszX
CDF   157.81 351 ePKP      26 51.40  -0.8
LDF   157.90   4 ePKP      26 53.80   1.7
      1.9s      28.20nm
BSF   158.45 352 ePKP      26 52.20  -0.7
TRI   158.77 337 ePKP      26 48.00  -5.2X
                  e        30 48.00
                  e        34 32.00
LOR   159 27 357 ePKP      26 53.50  -0.2
      2.0s      22.15nm
     Z  21s      0.85um             5.6Msz
SSF   159.49 358 ePKP      26 53.80  -0.1
      1.9s      34.20nm
LBF   159.55 357 ePKP      26 53.60  -0.5
      1.6s      17.40nm
TCF   160.29   0 ePKP      26 54.70  -0.2
      1.7s      16.90nm
LPL   160.72 350 ePKP      26 55.80   0.2
LPG   160.74 350 ePKP      26 55.70   0.0
     S.D. = 1.1  on  76 of  95 obs.
-----------------------------------------
• JUN  14, 1992  17h 07m 06.20± 3.14s
   32.896 S ±19.8km   68.362 W ±34.1km
   DEPTH =  10.0km  (geophysicist)
 MENDOZA PROVINCE, ARGENTINA       (139)
     MD 3.6 (SAN).

ZON       1.37 349 iPd     07 31.00  -0.4
                   eS      07 49.00
RTLL      1.56 357 ePd     07 34.50   0.4
                   S       07 54.00
FCH       1.68 255 iPd     07 35.20  -0.8
PCH       1.94 248 iPd     07 39.80   0.1
                   iS      08 06.50
PEL       1.97 262 iPc     07 40.50   0.5
                   iS      08 06.10
CHCH      2.18 241 iPd     07 43.30   0.3
                   iS      08 11.90
CACH      2.23 236 iPd     07 43.70  -0.2
                   iS      08 14.10
TACH      2.29 250 iP      07 45.00   0.4
                   iS      08 15.80
LNV       2.76 247 eP      07 51.00  -0.3
                   iS      08 28.50
    S.D. = 0.5  on   9 of   9 obs.
-----------------------------------------
   JUN  14, 1992  17h 19m 51.42± 0.43s
   13.997 N ± 3.9km  120.457 E ± 4.4km
   DEPTH = 111.8 ±  4.2 km
   4.9mb ( 51 obs.)
 MINDORO, PHILIPPINE ISLANDS       (250)

TGY       0.47  77 iPd     20 08.00  -0.5
PGP       0.69 136 iPd     20 08.50  -1.6
                   iS      20 50.00
QVP       0.82  40 iPc     20 11.00  -0.2
                   eS      20 28.00
BAG       2.40   3 eP      20 25.00  -5.4X
                   eS      20 59.40
PIP       4.31   2 ePd     20 56.50   0.6
                   iS      21 55.50
MAP       5.02 136 iP      21 12.00   6.3X
PLP       5.24 122 ePc     21 11.50   2.8
TSM       9.97 195 ePd     22 15.00   1.8
GZH      11.28 324 P       22 25.60  -4.8X
QIZ      11.34 298 P       22 29.80  -1.5
SSE      17.03   2 P       23 45.00   0.9
     1.0s    22.00nm             4.4mb
WHN      17.40 342 eP      23 47.70  -0.9
NJ2      18.03 356 Pd      23 57.80   1.5
     1.0s    67.00nm             4.9mb
LOE      18.34 283 eP      24 02.00   1.9
KAGJ     19.61  28 P       24 13.10  -0.3
NST      19.72 277 eP      24 05.00  -9.6X
KGM      20.70 236 ePd     24 25.20   0.5
KUMJ     20.74  25 P       24 27.00   2.1
BDT      20.91 282 eP      24 26.80   0.1
CHG      21.18 286 ePd     24 30.00   0.5
     1.1s    15.82nm             4.3mb
IPM      21.32 246 ePd     24 31.00   0.1
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           0.7s     22.00nm             4.6mb
SHNJ       22.24  24 P        24 41.20   1.4
TIA        22.32 353 eP       24 41.20   0.6
           1.0s     38.00nm             4.7mb
XAN        22.53 334 P        24 43.00   0.3
           0.6s      8.70nm             4.3mb
         N  10s      0.65um
CD2        22.78 320 P        24 46.40   1.2
           1.0s     62.00nm             4.9mb
TIY        24.68 345 eP       25 03.00  -0.4
DL2        24.83   2 Pc       25 05.00   0.3
           0.8s     21.00nm             4.6mb
TSRJ       25.60  30 P        25 11.40  -0.4
BJI        26.21 353 eP       25 17.50   0.1
           1.2s    120.00nm             5.3mb
IIDJ       26.54  33 P        25 25.70   5.2X
LZH        26.57 329 eP       25 20.50  -0.5
           1.0s     21.00nm             4.6mb
MTMJ       27.33  32 P        25 28.10   0.3
MAT        27.50  32 eP       25 26.00  -3.2X
HHC        27.86 345 Pd       25 33.40   0.9
           1.0s     28.00nm             4.9mb
SNY        27.86   5 Pc       25 31.40  -0.9
           0.8s     41.00nm             5.1mb
BTO        28.03 343 eP       25 34.00  -0.1
SHL        29.18 298 eP       25 43.80  -0.9
                     eS       30 29.00
YAMJ       29.69  32 P        25 47.50  -1.3
CN2        30.01   7 Pd       25 50.20  -1.3
           0.6s      8.00nm             4.6mb
GTA        31.16 328 eP       26 01.50  -0.4
           1.2s     12.00nm             4.5mb
         Z  28s      3.55um             4.9MszX
         E  26s      2.97um
                     PcP      28 55.00
OFUJ       31.21  33 P        26 00.40  -1.8
MDJ        31.49  13 eP       26 04.10  -0.5
           0.7s     10.00nm             4.7mb
AOMJ       31.68  30 P        26 06.20   0.0
HOOJ       34.49  31 eP       26 30.40   0.0
GUN        34.99 299 P        26 34.40  -1.1
PKI        35.30 298 P        26 36.40  -1.7
           0.4s     20.00nm             5.4mb
KKN        35.47 298 P        26 38.00  -1.3
           0.6s     25.00nm             5.3mb
ASAJ       35.50  28 eP       26 38.80  -0.3
DMN        35.57 298 P        26 38.60  -1.6
           0.4s     17.00nm             5.3mb
KUSJ       35.72  31 eP       26 41.20   0.3
GKN        36.08 299 P        26 43.00  -1.4
WB2        36.39 158 eP       26 44.80  -2.0
           0.5s      7.80nm             4.8mb
NANU       36.65 188 eP       26 49.00   0.1
CIT        38.30 353 eP       27 03.00   0.4
QIS        39.16 151 eP       27 09.00  -1.0
ASPA       39.67 160 iPd      27 13.30  -0.9
           0.3s      6.50nm             4.9mb
IRK        40.31 345 ePc      27 18.80  -0.3
           1.3s     29.00nm             4.9mb
                     e        27 31.40
WARB       40.39 171 eP       27 20.00   0.0
WMQ        40.83 323 P        27 25.00   1.4
         Z  26s      1.78um             4.8MszX
BOD        44.03 355 ePc      27 49.80   0.5
KSH        46.50 312 P        28 12.00   2.6
         Z  18s      1.20um             4.9Msz
SKR        46.58  31 eP       28 08.40  -1.2
           0.5s     30.00nm             5.3mb
YAK        48.41   6 iPc      28 22.80  -0.9
           1.0s     50.00nm             5.3mb
         Z  18s      1.20um             4.9Msz
         N  18s      0.40um
         E  18s      0.40um
FRU        48.68 315 eP       28 28.00   1.8
MAIO       58.52 304 eP       29 33.00  -5.6X
NRI        59.00 347 eP       29 39.00  -2.2
           1.0s     16.00nm             5.1mb
         Z  22s      4.00um             5.5Msz
                     e        30 29.00
ILT        66.33  21 iPd      30 29.20  -0.5
           1.0s     48.00nm             5.4mb
                     e        30 36.00
KIV        71.66 312 iP       31 03.10   0.1
TTA        74.71  28 eP       31 20.83   0.4
           0.8s     11.04nm             4.7mb
SVW        74.93  30 eP       31 22.90   1.3
OBN        75.14 324 iPd      31 22.60  -0.3
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IMA      75.64  25 eP      31 26.80   1.1
CRP      76.60  30 eP      31 31.66   0.5
PMS      77.85  30 eP      31 37.70  -0.2
         0.8s    23.70nm            5.0mb
PMR      78.01  29 eP      31 37.97  -0.7
         0.4s     9.83nm            5.0mb
                   ePcP    31 48.09
PUL      78.11 329 (P)     31 39.00  -0.2
       Z  20s     0.70um            5.0Msz
       N  20s     0.30um
       E  20s     0.70um
KEV      78.17 339 iP      31 39.20  -0.3
FBA      78.19  26 eP      31 38.42  -1.2
         0.5s     6.81nm            4.7mb
KAF      79.68 332 iP      31 47.70  -0.1
         0.4s    12.50nm            5.1mb
NUR      80.78 330 iP      31 53.60   0.0
         0.5s    11.60nm            4.9mb
VRI      82.66 315 ePd     32 04.50   0.8
MBC      83.31  12 eP      32 06.50   0.0
SIT      85.93  32 eP      32 21.20   1.3
         0.6s    10.80nm            5.0mb
OJC      86.05 321 iPc     32 21.50   0.8
         0.6s    56.00nm            5.7mb
HFS      86.10 331 eP      32 20.00  -0.7
         0.9s    20.90nm            5.1mb
VAY      86.69 312 iP      32 23.60  -0.4
NB2      86.89 333 P       32 24.10  -0.5
         0.7s    23.10nm            5.3mb
BRG      89.36 323 iP      32 37.20   0.7
         2.0s    66.00nm            5.4mb
CLL      89.75 323 iPc     32 38.30   0.0
         1.1s    13.00nm            4.9mb
KHC      90.22 321 P       32 41.00   0.4
GEC2     90.25 321 PKP     32 39.30  -1.6
         0.6s     3.07nm            4.6mb
MOX      90.82 323 eP      32 44.20   0.9
GRF      91.43 322 ePc     32 47.40   1.3
         1.0s     8.00nm            4.9mb
YKA      92.59  22 eP      32 51.20   0.0
         0.8s     4.50nm            4.8mb
OGA      92.68 320 iPd     32 53.00   0.8
         0.8s     9.00nm            5.1mb
CDF      94.32 322 eP      32 59.70   0.1
         0.9s     7.70nm            5.1mb
BSF      94.87 322 eP      33 02.20   0.0
         0.8s     2.95nm            4.7mb
PGF      95.77 316 eP      33 06.40   0.0
         0.9s    12.60nm            5.4mb
LPG      95.95 320 eP      33 07.70   0.3
         0.9s     8.20nm            5.2mb
LPL      95.95 320 eP      33 07.70   0.4
         0.8s     7.50nm            5.2mb
FRF      96.88 318 eP      33 11.10  -0.1
         0.7s     2.75nm            4.9mb
LMR      97.07 318 eP      33 12.00  -0.1
         0.6s     1.25nm            4.6mb
SMF      97.20 322 eP      33 12.50  -0.1
         0.5s     1.45nm            4.7mb
AVF      97.43 322 eP      33 13.50  -0.1
         0.7s     1.75nm            4.7mb
LDF      98.52 325 eP      33 18.60   0.1
         0.8s     3.35nm            5.0mb
KIC     121.98 287 PKP     38 35.20   0.1
TIC     122.14 287 PKP     38 35.70   0.3
LIC     122.30 287 PKP     38 35.80   0.1
     S.D. = 1.0  on 101 of 108 obs.
-----------------------------------------
% JUN  14, 1992  17h 20m 08.89± 0.85s
   40.629 N ± 9.9km   29.079 E ± 6.0km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

YLV       0.23 105 iPg     20 13.90   0.0
                   eSg     20 17.40
IZI       0.42 134 iPg     20 17.50   0.0
                   iSg     20 23.50
KCT       0.67 236 iPg     20 21.90  -0.3
                   iSg     20 31.40
CTT       0.71 317 iPg     20 22.90  -0.1
                   eSg     20 33.00
BNT       0.93 253 iPn     20 26.90   0.3
     S.D. = 0.3  on   5 of   5 obs.
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& JUN  14, 1992  18h 07m 50.53s
   35.057 N          119.026 W
   DEPTH =  13.7km
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CENTRAL CALIFORNIA (39)
<PAS-P>. ML 2.7 (PAS).

ABL 0.26 218 iPd 07 55.62 -0.8
ISA 0.76 37 ePn 08 03.75 -1.3
iS 08 14.39
PHAM 1.36 305 ePn 08 14.02 -1.1
eS 08 32.76
SSK 1.39 127 iP 08 15.70 0.1
eS 08 34.55
PEC 1.93 126 eP 08 25.02 1.7
ARN 3.06 319 ePn 08 39.86 0.5
6 obs. associated

JUN 14, 1992 18h 47m 57.10± 0.52s
44 441 N ± 5.3km 10.322 E ± 4.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.5 (LDG).

MME 0.37 132 Pc 48 04.40 -0.3
eSg 48 09.70
BDI 0.43 152 P 48 06.20 0.4
eSg 48 11.60
BOB 0.70 298 P 48 13.80 2.8
PII 0.73 168 P 48 12.40 0.9
eSg 48 22.80
PGD 1.16 119 P 48 19.70 0.9
SAL 1.18 7 P 48 20.00 1.0
eSn 48 35.00
SFI 1.22 115 P 48 20.70 1.0
CRE 1.43 124 P 48 23.50 0.3
eSg 48 41.70
CTI 1.86 30 P 48 28.10 -1.3
eSg 48 51.50
PGF 2.12 207 Pn 48 32.00 -1.2
Sn 48 56.70
SBF 2.16 255 Pn 48 33.30 -0.3
Sn 48 59.60
ASS 2.18 128 P 48 34.00 0.0
FVI 2.76 38 P 48 42.50 0.4
eSn 49 13.00
FRF 2.79 253 Pn 48 41.90 -0.8
Sn 49 15.10
LMR 2.97 249 Pn 48 44.00 -1.1
Sn 49 19.20
VOY 2.98 57 e(Pn) 48 43.00 -2.4
eSn 49 17.20
LRG 3.03 252 Pn 48 45.70 -0.2
S.D. = 1.3 on 17 of 17 obs.

? JUN 14, 1992 18h 58m 40.86± 1.16s
28.277 N ±17.2km 52.322 E ±20.2km
DEPTH = 33.0km (normal)
4.0mb (7 obs.)
SOUTHERN IRAN (353)

SHI 1.37 7 iPd 59 04.00 -0.1
eS 59 19.00
MAIO 10.04 35 eP 01 19.00 13.1X
MLR 27.03 317 eP 04 27.00 5.0X
GEC2 36.00 315 P 05 40.40 -0.3
0.6s 0.25nm 3.3mb
KHC 36.18 316 eP 05 42.50 0.4
e 05 46.00
NUR 37.25 338 eP 05 50.50 -0.4
0.4s 2.00nm 4.3mb
KAF 37.94 340 eP 05 56.40 -0.3
0.3s 0.80nm 4.1mb
HFS 41.16 332 eP 06 22.40 -1.0
0.6s 4.70nm 4.4mb
NB2 42.68 332 P 06 36.50 0.6
0.8s 1.10nm 3.6mb
YKA 88.94 354 eP 11 34.90 1.8
0.8s 1.00nm 4.2mb
WRA 92.56 111 P 11 49.80 -0.6
0.8s 0.30nm 3.8mb
S.D. = 1.0 on 9 of 11 obs.

• JUN 14, 1992 19h 30m 00.37± 0.93s
6.386 S ±12.1km 147.686 E ±10.9km
DEPTH = 66.0 ± 15.8 km
4.3mb (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 0.73 249 iPd 30 15.00 -0.5
MDG 2.21 301 eP 30 36.00 0.6
PMG 3.05 190 eP 30 48.00 0.8
MNDI 4.01 273 eP 31 04.60 3.6X
RAB 4.97 64 eP 31 14.00 -0.2
0.4s 101.69nm
WB2 18.69 223 eP 34 15.00 -1.1
0.4s 6.60nm 4.2mb
ASPA 21.70 216 iPc 34 48.20 0.6
0.5s 9.10nm 4.4mb
S.D. = 1.2 on 6 of 7 obs.

? JUN 14, 1992 20h 07m 35.28± 6.82s
32.202 S ±52.3km 71.559 W ±22.2km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.8 (SAN).

ROCH 0.90 149 iPc 07 52.40 -0.2
JACH 0.95 121 (P) 08 01.30 7.9X
iS 08 08.80
PEL 1.19 142 iP 07 57.50 -0.1
iS 08 16.20
TACH 1.54 160 iPd 08 02.90 0.1
iS 08 24.90
FCH 1.55 137 iPd 08 02.90 -0.4
PCH 1.67 148 iP 08 04.80 0.1
LNV 1.75 176 iPc 08 05.30 -0.6
iS 08 30.70
CHCH 1.89 156 iPc 08 08.10 0.2
iS 08 35.70
CACH 2.07 157 iP 08 11.50 0.8
iS 08 42.00
S.D. = 0.5 on 8 of 9 obs.

& JUN 14, 1992 21h 20m 41.50s
60.773 N 150.767 W
DEPTH = 47.8km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.9 (AEIC).

NKA 0.23 263 iPd 20 51.50 1.6
SLKM 0.38 134 iPd 20 51.17 -0.2
SUA 0.69 1 iPd 20 54.67 -0.6
eS 21 05.64
SPU 0.75 304 iPd 20 55.35 -0.6
eS 21 06.46
PMS 0.75 51 P 20 55.50 -0.5
NNL 0.78 200 iPc 20 56.71 0.4
BKG 0.79 293 iPd 20 55.72 -0.8
eS 21 07.35
CKN 0.82 304 iPd 20 56.58 -0.4
RDT 0.83 257 iPd 20 56.25 -0.9
iS 21 08.37
PTE 0.86 83 eP 20 57.24 -0.1
CPKM 0.87 305 iPd 20 57.37 -0.4
iS 21 10.24
CKL 0.88 300 iPd 20 56.95 -0.8
NCG 0.93 314 iPd 20 57.83 -0.6
eS 21 10.88
BGL 0.93 303 iPd 20 57.93 -0.6
DFR 0.96 260 iPd 20 57.90 -1.0
eS 21 10.83
PWA 0.98 26 iPc 20 58.76 -0.3
eS 21 12.55
REF 1.00 254 iPd 20 58.62 -0.9
RSO 1.03 253 iPd 20 59.11 -0.9
iS 21 12.53
RS2 1.03 253 iPd 20 59.16 -0.8
RS1 1.03 253 iPd 20 59.18 -0.8
RED 1.05 251 ePd 20 59.31 -0.9
iS 21 13.66
PLRM 1.14 43 iPc 21 00.36 -1.0
eS 21 15.46
HOM 1.20 202 eP 21 01.35 -0.8
S 21 17.13
SKT 1.27 343 iPd 21 02.53 -0.6
eS 21 19.33
CNPM 1.27 191 eP 21 02.43 -0.8
iS 21 18.64
KNK 1.29 59 iPc 21 02.58 -0.9
GHO 1.34 41 iPc 21 03.20 -1.0
INE 1.34 239 iPc 21 03.29 -1.1
eS 21 20.30
INW 1.37 240 iPc 21 03.71 -1.0
SML 1.57 47 iPc 21 06.12 -1.3
CUT 1.65 8 eP 21 07.86 -0.7
AUL 1.93 225 eP 21 12.03 -0.5
AUP 1.94 224 eP 21 12.31 -0.4
PDB 1.97 241 eP 21 11.82 -1.2
SCM 1.97 56 eP 21 11.59 -1.5
HIN 2.14 98 ePc 21 12.24 -3.2
VLZ 2.19 79 iPd 21 14.11 -2.0
SYI 2.32 201 ePc 21 16.96 -1.0
CDD 2.35 219 ePc 21 17.31 -1.1
SVW 2.39 280 ePc 21 16.77 -2.3
MCNL 2.40 230 eP 21 17.95 -1.2
KLU 2.46 71 iPc 21 17.85 -2.2
CVA 2.48 93 ePc 21 17.31 -2.9
TOA 2.58 57 P 21 20.70 -1.1
GLB 3.44 76 eP 21 30.96 -3.1
45 obs. associated

• JUN 14, 1992 21h 28m 24.25± 1.02s
6.390 N ±14.6km 72.290 W ±10.3km
DEPTH = 33.0km (normal)
NORTHERN COLOMBIA (99)

BMG 1.03 311 eP 28 42.00 -0.5
BOG 2.49 225 eP 29 04.00 0.3
eS 29 34.00
SDV 2.97 33 iPnd 29 11.70 1.3
eSn 29 50.20
CEOS 4.72 56 iP 29 36.00 1.0
OLLA 6.52 56 iP 29 59.50 -1.0
GUAN 7.47 61 eP 30 12.80 -1.0
S.D. = 1.3 on 6 of 6 obs.

& JUN 14, 1992 22h 24m 14.72s
60.731 N 151.005 W
DEPTH = 46.5km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 3.4 (AEIC).

SLKM 0.45 120 iPc 24 24.98 -0.2
eS 24 33.52
SPU 0.68 312 iPd 24 27.62 -0.6
iS 24 38.17
BKG 0.70 300 iPd 24 27.79 -0.8
iS 24 38.47
NNL 0.71 192 iPd 24 28.97 0.5
RDT 0.71 258 iPc 24 27.84 -0.8
iS 24 38.74
SUA 0.75 10 iPd 24 28.50 -0.7
eS 24 40.29
CKN 0.76 311 iPd 24 28.74 -0.5
CRP 0.78 314 iPc 24 28.52 -1.1
CKL 0.80 306 iPd 24 29.10 -0.8
CPKM 0.80 312 iPc 24 29.35 -0.7
DFR 0.84 261 iPc 24 29.41 -1.0
BGL 0.86 309 iPd 24 30.09 -0.6
REF 0.87 255 iP 24 29.40 -1.6
PMS 0.87 53 P 24 30.20 -0.6
NCG 0.88 321 iPd 24 30.37 -0.6
RSO 0.90 253 iPc 24 30.62 -0.8
eS 24 43.46
RS2 0.91 253 iPc 24 30.62 -0.8
RS1 0.91 253 iPc 24 30.66 -0.8
RED 0.93 251 iPc 24 30.76 -0.9
eS 24 43.85
PWA 1.07 30 ePd 24 33.30 -0.2
HOM 1.12 197 eP 24 34.07 -0.2
CNPM 1.21 186 ePd 24 34.86 -0.7
INE 1.22 238 ePc 24 34.79 -1.1
eS 24 50.59
INW 1.25 239 ePc 24 35.25 -0.9
eS 24 51.59
PLRM 1.25 46 ePc 24 35.32 -0.8
PMR 1.25 46 eP 24 35.14 -1.0
eS 24 50.64
SKT 1.28 349 iPd 24 35.84 -0.7
eS 24 52.89
KNK 1.42 60 ePc 24 37.62 -0.8
GHO 1.45 43 eP 24 38.34 -0.6
eS 24 57.39
SML 1.68 49 eP 24 41.18 -1.1
CUT 1.72 12 eP 24 42.21 -0.4
AUE 1.82 222 eP 24 43.46 -0.6
AUL 1.82 223 eP 24 44.23 0.1
AUP 1.83 222 eP 24 44.25 -0.1
PDB 1.85 241 eP 24 43.03 -1.5
AUI 1.85 222 eP 24 44.44 -0.2
SCM 2.09 56 eP 24 47.74 -0.3
SYI 2.24 199 eP 24 49.25 -0.8
CDD 2.24 218 ePc 24 49.82 -0.3
HIN 2.25 97 eP 24 47.13 -3.1

MCNL 2.28 229 eP 24 49.65 -1.0
SVW 2.29 282 iPc 24 48.04 -2.7
VLZ 2.32 78 eP 24 49.17 -1.9
HUR 2.35 15 eP 24 51.57 0.0
KLU 2.58 71 eP 24 53.03 -2.1
CVA 2.60 92 eP 24 52.09 -3.1
TOA 2.70 57 eP 24 55.90 -0.9
TRF 2.75 7 eP 24 57.56 0.0
KTH 2.83 1 eP 24 58.46 -0.2
KDC 3.09 195 iP 24 59.02 -3.1
eS 25 33.27
TTA 3.24 315 iPc 25 02.28 -2.1
GLB 3.57 75 eP 25 06.24 -2.7
MLY 4.32 1 eP 25 18.42 -1.2
MDM 4.43 15 eP 25 20.49 -0.7
FBA 4.44 18 eP 25 18.64 -2.6
eS 25 58.46
IMA 5.49 349 eP 25 34.34 -1.9
0.6s 2.65nm 3.8mb X
eS 26 34.58
56 obs. associated

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* JUN 14, 1992 22h 56m 27.02± 0.56s
6.527 S ± 8.0km 147.022 E ±11.2km
DEPTH = 33.0km (normal)
4.6mb (4 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)
ML 4.5 (PMG).

LAT 0.13 190 iPd 56 28.10 -4.9X
PMG 2.87 177 eP 57 11.80 0.4
RAB 5.63 66 e(P) 57 50.00 -0.6
eS 00 28.00
CTA 13.50 183 eP 59 40.10 1.3
0.5s 14.44nm 5.1mb
WB2 18.15 221 iPd 00 36.80 -1.5
0.8s 20.50nm 4.3mb
RMQ 19.92 175 eP 00 58.00 -1.0
ASPA 21.20 215 eP 01 12.80 0.5
eS 05 12.10
STK 25.73 191 iPc 01 56.00 -0.2
0.7s 3.70nm 4.1mb
CHTO 53.66 299 (P) 05 43.00 -5.1X
GUN 68.17 303 P 07 27.60 0.6
PKI 68.45 303 P 07 30.40 1.7
KKN 68.63 303 P 07 29.40 -0.3
DMN 68.71 303 P 07 30.40 0.1
GKN 69.24 303 P 07 32.00 -1.3
SPA 83.52 180 eP 08 52.00 -0.9
0.8s 7.50nm 4.9mb
GEC2 122.35 325 PKP 15 19.80 -0.7
0.7s 0.32nm
SIV 144.30 129 PKP 16 04.40 2.0
S.D. = 1.2 on 15 of 17 obs.

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* JUN 14, 1992 23h 34m 25.56± 0.46s
22.784 S ± 9.7km 12.784 W ± 9.9km
DEPTH = 10.0km (geophysicist)
4.5mb (15 obs.)
SOUTHERN MID-ATLANTIC RIDGE (410)

ITR 28.27 295 eP 40 21.90 0.6
BCAO 40.84 52 iPc 42 10.00 0.7
0.3s 7.00nm 4.9mb
SIV 45.89 270 P 42 50.00 -0.4
SPA 67.35 180 iPc 45 23.00 0.1
1.0s 14.00nm 5.1mb
LFF 68.52 10 eP 45 30.20 0.1
1.0s 10.40nm 5.0mb
LSF 69.92 11 eP 45 38.80 0.1
0.8s 4.05nm 4.6mb
MFF 70.00 9 eP 45 39.10 0.0
1.0s 3.80nm 4.5mb
TCF 70.07 11 eP 45 39.80 0.1
1.0s 2.80nm 4.3mb
LPG 70.24 14 eP 45 41.50 0.4
0.9s 3.60nm 4.5mb
LPL 70.26 14 eP 45 41.50 0.4
0.9s 4.60nm 4.6mb
BGF 70.45 11 eP 45 42.00 0.1
1.0s 5.00nm 4.6mb
SMF 70.72 12 eP 45 43.60 0.0
0.8s 2.15nm 4.3mb
AVF 70.77 12 eP 45 44.00 0.2
0.8s 2.30nm 4.4mb
SSF 71.06 12 eP 45 45.60 0.0
1.1s 7.55nm 4.7mb
LBF 71.07 12 eP 45 45.50 -0.3
0.7s 2.10nm 4.4mb
LPF 71.27 8 eP 45 46.90 0.1
1.0s 5.00nm 4.6mb
LOR 71.32 12 eP 45 47.00 -0.2
Z 23s 0.05um 3.7MszX
GEC2 75.13 18 P 46 08.20 -1.4
0.9s 0.74nm 3.7mb
KHC 75.35 18 eP 46 10.00 -0.8
ZST 75.57 20 e(P) 46 12.30 0.3
WRA 126.77 140 PKP 53 31.80 0.0
0.6s 0.30nm
S.D. = 0.5 on 21 of 21 obs.

& JUN 14, 1992 23h 40m 31.95s
57.637 N 157.643 W
DEPTH = 86.4km
ALASKA PENINSULA (12)
<AEIC>.

MCNL 2.33 47 eP 41 08.33 -0.8
eS 41 36.10
CDD 2.48 57 eP 41 10.20 -0.9
eS 41 38.97
KDC 2.77 86 iPc 41 13.39 -1.6
eS 41 44.60
SYI 2.95 68 eP 41 16.06 -1.5
INW 3.38 42 eP 41 21.33 -2.3
CNPM 3.85 58 eP 41 26.93 -3.1
DFR 3.91 39 eP 41 28.77 -2.2
RDT 4.00 40 eP 41 29.70 -2.4
NNL 4.09 51 eP 41 31.11 -2.2
SPU 4.56 36 eP 41 37.85 -2.1
SLKM 4.79 50 eP 41 39.15 -4.0
SUA 5.20 40 eP 41 44.51 -4.4
SKT 5.34 33 eP 41 47.28 -3.5
PMS 5.48 45 P 41 47.50 -5.3
HIN 6.38 60 eP 41 59.30 -5.9
KLU 7.10 52 eP 42 08.04 -7.0
16 obs. associated

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* JUN 15, 1992 00h 02m 09.94± 1.73s
7.024 N ±13.4km 72.734 W ±13.4km
DEPTH = 186.7 ± 15.5 km
4.3mb (5 obs.)
NORTHERN COLOMBIA (99)

SDV 2.78 48 iPnd 02 57.60 0.6
iSn 03 35.30
MORO 5.80 48 iP 03 35.40 0.1
OLLA 6.58 63 iP 03 45.40 -0.1
eS 05 05.10
LLAV 6.79 59 iP 03 48.40 0.2
GUAN 7.59 67 iP 03 58.40 -0.6
iS 05 28.10
LPB 23.85 169 P 07 07.00 -1.1
FVM 34.75 335 iPc 08 43.80 -0.3
LMN 39.29 9 eP 09 26.00 4.0X
ALQ 41.63 317 ePc 09 43.70 2.1
1.0s 10.00nm 4.3mb
RSSD 45.97 329 eP 10 15.70 -0.5
1.0s 10.85nm 4.3mb
ULM 47.23 340 eP 10 26.00 0.2
MSU 47.41 317 ePc 10 27.00 -0.7
SES 53.71 331 ePc 11 13.70 -1.0
pP 11 50.00 158kmX
FCC 54.16 346 eP 11 22.50 4.7X
PNT 57.60 326 eP 11 42.00 -0.5
0.5s 3.00nm 4.3mb
YKA 63.21 340 eP 12 18.70 -1.4
0.6s 11.70nm 4.9mb
LIC 67.20 86 P 12 46.40 -0.1
KIC 67.48 86 P 12 48.10 -0.1
GEC2 82.42 42 PKP 14 13.30 0.7
0.6s 0.63nm 3.6mb
ASPA 149.54 234 iPKPc 21 37.10 2.6
0.6s 10.10nm
WB2 150.76 241 iPKPd 21 40.40 4.0X
0.4s 24.20nm
i 22 21.00
WRA 150.77 241 PKP 21 36.30 -0.1
0.5s 4.80nm
S.D. = 1.1 on 19 of 22 obs.

& JUN 15, 1992 00h 33m 41.44s
34.026 N 116.355 W
DEPTH = 1.7km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.8 (PAS).

PEC 0.68 259 ePc 33 54.24 -0.8
eS 34 03.42
PLM 0.79 212 iPd 33 56.44 -0.8
eS 34 06.81
SSK 1.13 280 ePc 34 02.34 -1.1
GLA 1.60 127 eP 34 11.40 0.4
ISA 2.39 314 eP 34 24.79 2.4
eS 34 54.80
5 obs. associated

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* JUN 15, 1992 01h 31m 11.22± 0.98s
36.337 N ±10.6km 36.076 E ±13.1km
DEPTH = 10.0km (geophysicist)
JORDAN - SYRIA REGION (374)
ML 3.3 (CSS).

FAM 2.15 232 eP 31 49.00 1.4
eS 32 19.60
BHL 2.45 188 Pn 31 48.00 -4.0X
Sn 32 20.00
CSS 2.62 239 eP 31 53.20 -1.2
eS 32 25.00
MYA 2.73 43 eP 31 56.00 0.0
HRI 3.07 185 eP 32 00.60 -0.2
ATZ 3.57 191 eP 32 08.10 0.3
eS 32 49.80
ZNT 4.18 192 eP 32 15.80 -0.6
eS 33 04.50
DSI 4.79 187 eP 32 25.40 0.3
S.D. = 1.0 on 7 of 8 obs.

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* JUN 15, 1992 01h 38m 40.45± 1.88s
40.067 S ± 6.8km 178.947 E ±16.8km
DEPTH = 33.0km (normal)
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 4.0 (WEL).

MAHZ 1.20 316 Pc 39 01.50 0.5
NOZ 1.61 334 P 39 07.60 0.7
TEHZ 1.64 272 Pc 39 08.60 1.2
TTH 1.72 287 P 39 09.20 0.8
PAHZ 1.90 309 Pd 39 11.00 -0.1
WAHZ 2.03 280 P 39 13.30 0.3
PUZ 2.06 345 P 39 13.60 0.1
S 39 33.10
PGZ 2.12 254 P 39 15.30 1.1
WHH 2.24 301 P 39 15.90 -0.1
HBZ 2.52 348 P 39 20.70 0.8
TAZ 2.64 313 P 39 21.40 -0.2
MNG 2.70 257 Pd 39 23.40 0.8
S 39 50.10
AMW 2.72 242 eP 39 23.60 0.8
MTW 2.84 246 P 39 25.10 0.6
BSZ 3.10 274 P 39 29.80 1.6
MOW 3.12 243 eP 39 28.80 0.4
CAW 3.13 249 eP 39 29.10 0.5
KIW 3.18 254 eP 39 29.50 0.2
MRW 3.43 249 eP 39 32.50 -0.4
WLZ 3.43 309 eP 39 31.50 -1.5
MOZ 3.57 295 P 39 34.10 -0.8
eS 40 08.70
TCW 3.73 251 P 39 37.20 0.1
DIW 3.90 258 eP 39 38.80 -0.8
NRZ 3.94 279 eP 39 40.20 0.2
KHZ 4.70 238 eP 39 49.90 -1.0
S 40 39.80
THZ 4.88 248 eP 39 52.10 -1.4
eS 40 44.00
ORZ 4.96 259 eP 39 53.10 -1.4
eS 40 41.80
WCZ 5.49 317 eP 40 00.10 -2.0
LTZ 5.71 239 eP 40 04.20 -0.9
S.D. = 0.9 on 29 of 29 obs.

JUN 15, 1992 01h 46m 35.37± 0.29s
34.149 N ± 5.0km 139.066 E ± 3.5km
DEPTH = 27.4km (3 depth phases)
5.0mb (60 obs.) 4.7Msz (7 obs.)
NEAR S. COAST OF HONSHU, JAPAN (230)
Minor damage (V JMA) and
landslides on Kozu-shima.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 21C

15d 01h

Centroid Location:
Origin Time 01:46:36.9 0.5
Lat 34.30N 0.08 Lon 138.73E 0.08
Dep 15.0 5.9 Half-duration 1.5
Moment Tensor; Scale 10**16 Nm
Mrr=-1.56 0.34 Mtt=-5.68 0.45
Mff= 7.23 0.40 Mrt= 3.90 1.92
Mrf=-6.26 2.79 Mtf= 0.94 0.42
Principal Axes:
T Val= 10.55 Plg=28 Azm= 86
N -1.36 40 329
P -9.19 37 200
Best Double Couple:Mo=9.9*10**16
NP1:Strike=228 Dip=40 Slip= -8
NP2: 325 85 -130

IIDJ 1.63 325 P 47 03.10 0.4
CHJJ 1.90 358 P 47 06.70 0.3
KAKJ 2.24 24 P 47 10.30 -1.1
S 47 39.80
MTMJ 2.64 337 iP+ 47 18.30 1.2
S 47 55.10
WKYJ 2.88 272 iP+ 47 19.80 -0.7
S 47 54.20
TSRJ 2.89 300 P 47 20.20 -0.3
NIIJ 3.09 359 P 47 23.90 0.5
YAMJ 4.09 11 P 47 37.60 -0.1
TKSJ 4.17 269 P 47 38.20 -0.5
S 48 26.50
YONJ 4.73 284 P 47 46.00 -0.8
eS 48 41.60
OFUJ 5.35 22 P 47 53.90 -1.5
eS 48 55.60
AOMJ 6.48 9 eP 48 13.20 1.8
SHNJ 6.60 272 P 48 12.50 -0.6
KUMJ 7.08 259 P 48 19.40 -0.4
KAGJ 7.50 249 P 48 25.80 0.1
MRRJ 8.41 10 eP 48 37.10 -1.3
HOOJ 8.86 21 eP 48 39.80 -4.8X
eS 50 22.60
KUSJ 9.96 25 eP 48 56.30 -3.5X
MDJ 12.76 328 Pc 49 41.80 4.2X
1.2s 65.00nm 5.6mb
Z 19s 3.64um 5.0MszX
N 14s 3.53um
E 14s 5.80um
S 52 06.00
sS 52 12.00
YSS 13.15 11 eP 49 38.00 -4.8X
0.8s 40.00nm 5.5mb
Z 14s 2.20um 4.4MszX
E 14s 2.20um
CN2 14.30 316 eP 50 02.20 4.2X
1.0s 12.00nm 4.5mb
Z 13s 4.73um 5.2MszX
N 13s 4.18um
E 13s 3.02um
SNY 14.41 307 Pc 50 04.00 4.7X
1.4s 70.00nm 5.0mb
Z 18s 3.21um 4.0Msz
N 12s 3.94um
E 12s 1.00um
S 52 49.00
DL2 14.80 294 eP 50 06.30 1.8
1.0s 100.00nm 5.2mb
Z 13s 4.57um 4.4Msz
N 12s 6.72um
E 13s 5.41um
SSE 15.37 264 P 50 09.00 -3.0X
Z 18s 5.80um
N 13s 5.60um
E 13s 3.00um
pP 50 19.00
NJ2 17.07 269 Pd 50 37.40 3.8X
1.0s 34.00nm 4.4mb
N 11s 3.99um
E 11s 1.71um
pP 50 43.00
sP 50 48.80
TIA 18.05 283 eP 50 47.50 1.6
Z 14s 8.38um
N 12s 1.40um
E 12s 5.72um
S 54 08.00
BJI 19.16 295 eP 50 58.50 -0.8
1.0s 44.00nm 4.7mb
Z 26s 2.66um 5.0Msz

N 14s 3.32um
eS 54 36.00
QZH 20.01 248 eP 51 09.00 0.3
N 12s 1.26um
E 12s 1.46um
GUMO 21.14 164 eP 51 10.30 -10.2X
Z 19s 0.66um 4.0Msz
WHN 21.17 267 Pc 51 22.00 1.2
1.0s 90.00nm 5.1mb
Z 20s 3.13um 4.7Msz
N 14s 2.08um
E 13s 3.14um
pP 51 30.00 29km
GUA 21.19 164 eP 51 09.30 -11.8X
TIY 21.83 287 eP 51 30.00 2.6
Z 14s 8.10um 5.3MszX
E 13s 4.35um
HHC 22.77 295 eP 51 35.60 -1.1
1.0s 88.00nm 5.2mb
PET 23.46 31 eP 51 44.00 0.8
1.0s 116.00nm 5.4mb
Z 16s 1.00um 4.4MszX
eS 56 00.00
BTO 23.90 294 eP 51 46.00 -1.7
N 15s 5.15um
E 15s 2.21um
ePP 52 21.00
eS 56 06.00
XAN 24.92 278 Pc 51 58.00 0.4
1.0s 31.00nm 4.9mb
N 13s 2.68um
E 14s 3.79um
pP 52 10.00 48kmX
sP 52 15.40
sS 56 34.00
GZH 25.06 251 Pc 52 00.70 1.8
Z 14s 2.13um 4.8MszX
N 12s 1.63um
E 12s 1.56um
MGD 27.08 13 eP 52 17.00 -0.3
1.0s 40.00nm 5.0mb
e 52 25.00
e 52 33.00
e 53 13.00
YAK 28.52 351 iPd 52 28.20 -2.1
1.6s 88.00nm 5.2mb
Z 14s 2.00um 4.9MszX
N 14s 1.40um
e 57 20.00
LZH 28.78 284 eP 52 31.50 -1.7
Z 15s 3.97um 5.1MszX
E 14s 2.58um
sP 52 45.00
eS 57 22.00
esS 57 40.00
GYA 28.92 263 iPd 52 34.20 -0.2
1.0s 28.00nm 4.9mb
Z 18s 4.50um 5.1Msz
N 12s 1.59um
E 12s 2.94um
S 57 25.00
BOD 29.02 332 eP 52 35.20 0.4
1.0s 16.00nm 4.7mb
CD2 29.85 274 eP 52 40.50 -2.2
Z 10s 6.78um 5.6MszX
N 12s 3.25um
S 57 40.00
ZAK 30.69 313 eP 52 51.00 1.3
0.9s 11.00nm 4.7mb
Z 14s 2.15um 5.0MszX
N 14s 1.33um
E 13s 2.39um
e 54 13.50
eS 57 46.00
GTA 31.70 291 eP 52 58.00 -1.0
2.0s 27.00nm 4.8mb
Z 32s 2.11um 4.6MszX
N 13s 1.26um
pP 53 05.50 26km
sP 53 10.00
S 58 08.00
CHG 38.76 257 eP 54 00.90 1.6
WMQ 40.51 299 P 54 14.00 0.4
1.3s 39.00nm 5.0mb
Z 20s 1.07um 4.7Msz
N 12s 0.81um
pP 54 22.00 27km

PP 55 51.00
PcP 56 14.00
ScP 00 02.10
PcS 00 05.00
S 00 24.00
SS 03 20.00
ScS 04 19.00
LSA 40.62 277 eP 54 16.60 1.5
N 13s 1.19um
E 12s 0.65um
ILT 41.45 23 iPc 54 19.60 -1.2
1.2s 42.00nm 5.0mb
Z 18s 0.90um 4.7Msz
N 16s 0.60um
E 16s 0.70um
e 56 21.00
e 03 40.00
NRI 44.97 337 ePd 54 48.00 -1.5
1.0s 19.00nm 5.0mb
e 56 25.00
e 01 29.00
GUN 45.58 277 P 54 54.80 -0.5
0.9s 38.00nm 5.3mb
PKI 46.09 277 P 54 58.40 -0.9
1.0s 24.00nm 5.1mb
KKN 46.11 277 P 54 58.40 -1.0
1.0s 46.00nm 5.4mb
DMN 46.32 277 P 55 00.40 -0.7
0.9s 19.00nm 5.1mb
GKN 46.56 278 P 55 02.20 -0.7
1.1s 63.00nm 5.5mb
SVW 48.95 36 eP 55 22.20 1.2
BRW 49.81 22 eP 55 27.19 -0.1
KSH 49.89 295 P 55 31.00 2.5
FRU 50.09 300 iPc 55 31.00 1.1
1.4s 70.00nm 5.5mb
IMA 50.14 29 eP 55 29.72 -0.4
0.9s 6.58nm 4.7mb
REF 50.38 37 eP 55 31.69 -0.3
KDC 50.58 40 eP 55 32.70 -0.6
1.0s 12.11nm 4.8mb
CPKM 50.60 36 eP 55 34.81 1.1
CRP 50.64 36 eP 55 34.57 0.6
SLKM 51.60 37 ePd 55 40.27 -0.9
PMR 52.08 35 eP 55 43.70 -1.0
0.6s 1.62nm 4.1mb
NDI 52.37 282 iPc 55 46.00 -1.3
FBA 52.56 31 eP 55 49.00 0.8
KLU 53.62 35 (P) 55 55.40 -0.8
WB2 53.98 185 eP 55 55.70 -3.4X
0.5s 8.00nm 5.0mb
WRA 53.98 185 P 55 51.20 -7.9X
0.5s 1.50nm 4.3mb
BALM 55.39 35 eP 56 08.48 -0.8
SVE 56.07 320 iPd 56 14.00 0.0
2.2s 40.00nm 5.1mb
e 57 11.00
HYB 56.22 269 eP 56 15.00 -0.7
ARU 57.26 319 eP 56 22.00 -0.5
ASPA 57.70 186 iPd 56 24.60 -1.3
0.7s 6.90nm 4.8mb
MAIO 63.22 297 eP 57 04.00 0.4
STK 65.72 178 eP 57 18.40 -1.2
0.8s 3.40nm 4.5mb
YKA 67.26 29 eP 57 27.70 -1.4
0.8s 5.70nm 4.7mb
DAG 68.48 355 iPc 57 36.30 -0.3
1.2s 26.56nm 5.2mb
KAF 69.98 333 iP 57 45.20 -0.8
0.7s 12.50nm 5.1mb
GMW 70.65 45 eP 57 51.51 1.2
GRS 71.13 305 eP 57 54.00 0.4
1.0s 20.00nm 5.2mb
RMW 71.27 45 eP 57 54.76 0.6
KIV 71.35 311 iP 57 55.10 0.3
Z 14s 0.57um 5.0MszX
i 00 28.30
PNT 71.58 43 eP 57 56.00 0.0
0.7s 9.00nm 4.9mb
NUR 71.58 332 iP 57 55.00 -0.7
0.8s 16.30nm 5.1mb
ERE 72.03 307 eP 58 00.00 1.1
Z 17s 0.80um 5.1MszX
DPW 73.14 43 eP 58 05.34 0.1
LBFM 74.36 51 ePd 58 13.77 1.1
UPP 74.69 333 iP 58 13.10 -0.8
ORV 75.56 52 eP 58 19.82 0.5

SES 75.60 38 eP 58 19.00 -0.4
HFS 75.91 335 eP 58 19.90 -1.0
1.1s 22.60nm 5.1mb
Z 17s 0.49um 4.9MszX
LR 27 48.00
NB2 76.09 337 P 58 21.50 -0.4
0.9s 18.60nm 5.1mb
LRM 77.55 43 ePc 58 31.10 0.5
OJC 80.34 325 eP 58 45.70 0.3
DAU 81.51 47 ePd 58 53.44 1.3
KSP 81.52 327 iPd 58 52.30 0.8
MSU 82.11 49 (P) 58 56.39 1.2
BRG 82.53 328 eP 58 57.20 0.4
CLL 82.61 329 ePc 58 57.00 -0.2
1.1s 16.00nm 5.0mb
SRO 82.71 324 eP 58 58.50 0.8
SRU 82.76 47 eP 58 59.41 0.9
ZST 83.02 325 eP 59 00.50 1.1
MOX 83.70 329 eP 59 03.50 0.7
Z 20s 0.30um 4.7Msz
N 19s 0.40um
E 18s 0.50um
KHC 83.97 327 P 59 04.70 0.4
1.0s 6.40nm 4.8mb
e 02 21.00
e 02 34.00
GEC2 84.12 327 P 59 03.50 -1.6
1.1s 5.49nm 4.7mb
GRF 84.58 329 iPc 59 08.20 0.9
1.2s 16.00nm 5.1mb
Z 19s 0.40um 4.8Msz
VAY 84.90 317 eP 59 09.00 0.0
SKO 85.10 318 iP 59 11.50 1.5
BHG 85.32 327 eP 59 12.10 1.1
GOL 85.45 44 eP 59 12.78 0.6
1.0s 4.30nm 4.6mb
LJU 85.79 325 e(P) 59 10.50 -2.9X
CEY 86.06 325 e(P) 59 13.50 -1.3
VOY 86.10 325 eP 59 14.00 -1.0
FVI 86.21 326 P 59 15.30 -0.1
CDF 87.22 330 eP 59 19.60 -0.9
1.1s 7.35nm 4.8mb
SFI 88.64 325 P 59 27.90 0.7
PGD 88.73 325 P 59 29.00 1.1
ASS 88.88 324 P 59 28.50 0.0
AQU 89.05 323 P 59 35.10 5.8X
LOR 89.52 331 eP 59 31.40 0.0
1.0s 2.80nm 4.5mb
Z 21s 11.48um 6.3MszX
LPL 89.74 329 eP 59 32.80 0.1
1.0s 6.00nm 4.8mb
LPG 89.74 329 eP 59 33.00 0.2
1.1s 7.35nm 4.9mb
SSF 89.83 331 eP 59 32.70 -0.1
0.6s 1.80nm 4.5mb
SMF 90.04 331 eP 59 33.90 0.1
AVF 90.11 331 eP 59 33.60 -0.5
0.9s 4.60nm 4.7mb
GRR 90.37 335 eP 59 34.40 -0.9
0.8s 4.15nm 4.8mb
LPF 90.74 334 eP 59 36.30 -0.7
1.0s 7.80nm 5.0mb
MAF 90.89 331 eP 59 37.20 -0.6
1.2s 7.45nm 4.9mb
TCF 90.98 332 eP 59 38.60 0.4
0.9s 3.10nm 4.6mb
MFF 91.62 333 eP 59 41.70 0.6
1.2s 8.95nm 5.0mb
RJF 92.06 332 eP 59 43.70 0.5
1.2s 9.80nm 5.1mb
Z 19s 8.98um 6.2MszX
CAF 92.16 331 eP 59 43.30 -0.3
1.3s 15.15nm 5.3mb
EMM 97.86 19 (P) 00 06.87 -2.7X
LPB 149.97 61 PKP 06 27.20 6.5X
CNCB 150.23 61 PKP 06 28.10 6.9X
CCH 151.93 60 PKP 06 34.50 11.0X
SIV 154.40 50 PKP 06 35.00 8.4X
i 06 49.00
S.D. = 1.0 on 121 of 140 obs.

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* JUN 15, 1992 02h 21m 14.96± 0.77s
20.061 S ±16.2km 168.531 E ±19.1km
DEPTH = 33.0km (normal)
4.9mb (8 obs.) 4.7Msz (1 obs.)
LOYALTY ISLANDS (188)

BKM 2.40 353 iPc 21 52.50 -0.3
DZM 2.79 224 iPc 21 56.00 -2.4
ARMA 18.42 233 eP 25 31.00 1.4
i 25 36.50
i 29 35.00
RMQ 19.25 247 eP 25 40.00 0.4
1.1s 51.00nm 4.7mb
CTA 20.92 266 eP 25 59.50 2.2X
0.9s 32.35nm 4.7mb
eS 29 56.60
CNB 22.72 224 iPc 26 19.20 3.9X
i 26 22.00
PMG 23.20 294 eP 26 22.00 2.0X
CMS 23.35 236 eP 26 23.00 1.7
i 26 27.00
TOO 26.57 224 iPc 26 56.00 4.1X
0.9s 44.00nm 5.1mb
STK 26.85 239 eP 26 55.70 1.2
0.8s 7.20nm 4.3mb
BFD 28.34 227 iPc 27 12.00 4.0X
1.0s 28.00nm 4.9mb
WB2 32.09 264 eP 27 39.10 -2.3
0.7s 6.60nm 4.6mb
ASPA 32.29 257 iPc 27 43.00 -0.2
0.8s 26.20nm 5.2mb
Z 18s 1.40um 4.7Msz
MEEK 46.06 252 eP 29 38.00 0.3
PCI 51.26 286 ePc 30 12.50 -5.6X
e 31 26.50
CHTO 78.39 295 P 33 15.80 1.5
SVW 85.87 17 eP 33 53.01 0.7
0.9s 15.86nm 5.2mb
FBA 91.05 17 P 34 22.00 5.2X
BRG 143.30 333 e(PKP)40 45.10 -2.3
VAY 144.20 314 iPKP 40 47.40 -1.8
MOX 144.44 335 ePKP 40 48.40 -1.0
1.6s 23.00nm
SKO 144.66 316 iPKP 40 59.80 9.8X
KHC 144.74 331 ePKP 40 49.00 -1.0
1.1s 4.00nm
e 41 03.00
GEC2 144.89 331 PKP 40 48.60 -1.7
0.8s 0.93nm
GRF 145.34 334 iPKPc 40 51.70 0.8
e 41 06.30
OHR 145.49 315 ePKP 40 52.00 0.5
DMU 146.04 355 ePKP 40 52.80 0.8
e 00 56.00
VBY 146.40 325 e(PKP)40 56.00 3.2X
LJU 146.43 326 e(PKP)40 52.50 -0.4
DLF 146.61 355 ePKP 40 52.60 -0.2
e 00 54.00
DCN 146.62 355 ePKP 40 54.00 1.1
e 00 59.00
CEY 146.68 326 e(PKP)40 55.00 1.7
VOY 146.76 327 ePKP 40 55.10 1.6
BCAO 146.92 246 iPKPc 40 57.00 2.4X
0.3s 18.00nm
id 41 18.10
CDF 147.93 336 ePKP 40 58.30 3.0X
1.0s 8.20nm
BSF 148.59 336 ePKP 41 00.00 3.6X
1.3s 12.25nm
HAU 148.61 337 ePKP 41 00.00 3.7X
0.9s 6.90nm
SFI 149.26 326 PKPc 41 03.00 5.6X
PGD 149.36 326 PKP 41 03.10 5.3X
ASS 149.40 324 PKP 41 02.30 4.6X
SDI 149.60 321 PKP 41 02.60 4.5X
FIR 149.67 326 ePKP 41 03.00 5.0X
FLN 150.03 345 ePKP 41 03.10 4.7X
1.4s 36.15nm
LDF 150.10 345 ePKP 41 03.40 4.9X
1.3s 16.95nm
LOR 150.13 339 ePKP 41 03.80 5.2X
1.2s 10.70nm
SOI 150.15 313 PKPc 41 04.90 6.0X
LBF 150.33 338 ePKP 41 04.40 5.4X
1.2s 10.10nm
SSF 150.43 339 ePKP 41 04.60 5.5X
1.9s 42.25nm
GRR 150.47 346 ePKP 41 04.50 5.4X
1.0s 12.80nm
LPL 150.50 334 ePKP 41 05.20 5.7X
1.2s 14.90nm
LPG 150.51 333 ePKP 41 05.40 5.8X
0.8s 5.90nm

SMF 150.67 338 ePKP 41 05.10 5.6X
1.3s 16.25nm
AVF 150.71 339 ePKP 41 06.20 6.7X
1.4s 20.50nm
LPF 150.85 346 ePKP 41 05.50 5.9X
1.3s 31.75nm
BNI 150.90 333 PKP 41 06.60 6.6X
BGF 151.09 339 ePKP 41 07.60 7.5X
1.2s 10.10nm
TCF 151.53 340 ePKP 41 07.10 6.3X
1.6s 18.65nm
LSF 151.78 341 ePKP 41 09.30 8.2X
1.1s 9.30nm
MFF 151.95 343 ePKP 41 07.80 6.5X
1.2s 8.95nm
RJF 152.63 340 ePKP 41 13.20 10.8X
1.3s 16.95nm
S.D. = 1.4 on 24 of 60 obs.

& JUN 15, 1992 02h 35m 25.42s
34.031 N 116.349 W
DEPTH = 1.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 2.5 (PAS).

PEC 0.69 259 eP 35 38.14 -1.0
PLM 0.80 212 ePd 35 40.50 -0.9
SSK 1.13 280 ePc 35 46.44 -1.0
GLA 1.60 127 eP 35 55.27 0.3
4 obs. associated

JUN 15, 1992 02h 48m 56.25± 0.12s
24.027 N ± 2.8km 95.932 E ± 2.3km
DEPTH = 17.3km (14 depth phases)
5.8mb (131 obs.) 6.3Msz (46 obs.)
MYANMAR (296)
Mo=6.3*10**18 Nm (PPT). Complex
event observed on broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 98 Dip=87 Slip= 35
NP2: 6 55 176
Principal Axes:
T Plg=26 Azm=328
P 22 227
Comment: The focal mechanism is
poorly controlled and
corresponds to strike-slip
faulting with a large reverse
component. The preferred fault
plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 6.8±2.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 13
Moment Tensor; Scale 10**18 Nm
Mrr= 0.06 Mtt= 0.73
Mff=-0.80 Mrt= 1.18
Mrf=-0.25 Mtf= 2.72
Principal axes:
T Val= 3.02 Plg=16 Azm=325
N 0.11 67 97
P -3.13 16 231
Best Double Couple:Mo=3.1*10**18
NP1:Strike= 8 Dip=67 Slip=-179
NP2: 278 89 -23
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 73C M.W.: 22S, 32C
Centroid Location:
Origin Time 02:49: 2.9 0.2
Lat 23.95N 0.01 Lon 96.03E 0.01
Dep 22.9 1.2 Half-duration 5.4
Moment Tensor; Scale 10**18 Nm
Mrr=-0.13 0.03 Mtt= 0.67 0.03
Mff=-0.55 0.04 Mrt= 1.10 0.10
Mrf=-0.53 0.09 Mtf= 2.83 0.04
Principal Axes:
T Val= 3.05 Plg=10 Azm=323
N 0.18 68 78
P -3.23 20 229
Best Double Couple:Mo=3.1*10**18
NP1:Strike= 8 Dip=69 Slip=-173
NP2: 275 83 -21

CHG 5.90 151 ePn 50 23.00 -2.0

15d 02h

KMI 6.29 79 P- 50 32.00 1.2
LSA 7.08 324 iPnc 50 45.00 3.0
1.2s 630.00nm 6.6mb
Sn 52 06.00
BDT 7.33 156 ePn 50 42.80 -2.4
NST 9.20 154 ePn 51 08.50 -2.6
ePg 51 35.00
eSg 53 00.00
KHT 9.53 164 ePn 51 13.50 -2.2
ePg 51 59.00
eSg 54 00.50
CD2 9.76 44 P 51 20.30 1.4
S 53 10.00
GUN 9.84 295 P 51 19.80 -0.5
GYA 10.01 74 iPd 51 22.00 -0.5
1.2s 1660.00nm 7.3mb X
N 10s 161.00um
E 10s 80.90um
S 53 15.00
PKI 10.12 293 P 51 23.40 -0.7
KKN 10.29 294 P 51 25.00 -1.4
DMN 10.38 292 P 51 27.00 -0.7
GKN 10.90 294 P 51 33.20 -1.5
NNT 11.93 162 iPn 51 50.20 1.6
ENH 13.57 60 ePn 52 08.01 -2.3
LZH 13.83 28 ePnc 52 12.96 -0.9
1.0s 340.00nm 6.1mb
E 14s 281.00um
pP 52 17.00
sP 52 21.00
S 54 48.00
sS 54 55.00
QIZ 13.86 108 ePn 52 11.44 -2.8X
E 13s 126.00um
S 54 50.50
SS 55 06.50
XAN 15.11 46 iPc 52 28.00 -2.5
0.9s 270.00nm 5.6mb
pP 52 36.50
sP 52 39.50
GTA 15.69 11 iPc 52 36.00 -2.1
2.5s 270.00nm 5.0mb
Z 18s 143.00um 5.0MszX
E 15s 322.00um
pP 52 45.00
sP 52 51.00
S 55 26.00
sS 55 40.00
SS 55 45.00
GZH 15.99 90 Pc 52 45.40 3.4X
1.0s 120.00nm 5.0mb
Z 13s 102.00um 4.4MszX
N 13s 181.00um
E 12s 51.90um
S 55 37.00
MCO 16.33 93 eP 52 52.70 6.4X
HKC 16.86 92 eP 52 58.00 5.0X
e(S) 56 04.00
SNG 17.35 164 eP 53 00.50 1.3
1.5s 1044.44nm 5.7mb
eS 56 21.20
NDI 17.40 289 iPd 52 59.30 -0.5
1.0s 840.00nm 5.8mb
eS 56 04.50
HYB 17.53 251 ePc 53 02.00 0.5
1.0s 500.00nm 5.6mb
eS 56 04.00
WHN 17.60 64 Pd 53 02.00 -0.3
2.0s 760.00nm 5.5mb
Z 20s 154.00um 4.7Msz
N 14s 243.00um
TIY 19.62 42 iP 53 25.70 -1.2
0.8s 560.00nm 5.9mb
Z 18s 83.30um 5.0Msz
E 10s 40.10um
S 57 07.00
IPM 19.95 165 ePc 53 29.80 -0.6
1.4s 377.00nm 5.5mb
e 58 49.90
BTO 20.32 32 iPd 53 32.00 -2.2
1.8s 1320.00nm 6.0mb
N 11s 33.30um
E 11s 29.10um
PP 53 52.00
S 57 13.00
SS 57 42.00
QZH 20.64 83 eP 53 38.00 0.5
1.3s 280.00nm 5.5mb
N 14s 57.90um
E 14s 49.20um
WMQ 20.87 343 ePc 53 41.15 1.2
1.0s 1350.00nm 6.3mb
Z 22s 55.10um 5.9Msz
N 12s 41.90um
iS 57 34.00
POO 21.28 259 iPd 53 32.80 -11.4X
1.2s 962.50nm
HHC 21.28 34 iPc 53 44.00 -0.2
1.2s 540.00nm 5.8mb
Z 18s 115.00um 6.3Msz
N 10s 19.40um
E 11s 37.70um
PP 54 11.00
S 57 36.00
SS 58 08.00
KLM 21.52 164 ePc 53 47.60 1.0
e 59 50.00
NJ2 21.73 63 Pd 53 48.50 0.0
1.5s 580.00nm 5.8mb
N 20s 269.00um
E 16s 126.00um
TIA 21.93 52 P 53 50.80 0.2
N 16s 276.00um
E 14s 141.00um
sP 54 01.00
KSH 22.83 317 iPc 54 03.20 3.6X
1.0s 1970.00nm 6.6mb
Z 12s 101.00um 6.5MszX
N 13s 138.00um
KGM 23.02 161 ePc 54 03.00 1.5
1.0s 138.50nm 5.4mb
e 54 25.80 108kmX
BJI 23.36 42 eP 54 05.50 1.0
1.5s 1680.00nm 6.4mb
E 16s 78.40um
eS 58 13.00
SSE 23.44 67 ePc 54 06.53 1.1
1.5s 1680.00nm 6.4mb
E 16s 78.40um
eS 58 13.00
PRZ 23.45 326 iPd- 54 09.00 3.4X
0.8s 850.00nm 6.3mb
TLG 24.53 326 iP 54 19.50 3.5X
1.8s 2100.00nm 6.5mb
ePPP 55 05.00
iS 58 43.00
eSS 59 52.00
TGY 25.57 108 eP 54 32.50 6.5X
AAK 25.67 321 iPc 54 29.49 2.5
FRU 25.73 322 iPc+ 54 29.60 2.2
2.0s 2250.00nm 6.5mb
Z 11s 37.00um 6.2MszX
E 11s 34.00um
i 55 07.80 192kmX
(PPP) 55 24.00
iS 58 56.00
iSS 59 54.00
PGP 25.86 109 iPd 54 29.00 0.3
GAR 26.33 311 iP 54 34.00 0.9
iS 58 58.00
DL2 26.35 50 Pc 54 33.00 -0.1
1.0s 250.00nm 5.8mb
Z 18s 49.70um 6.1Msz
N 13s 47.10um
E 15s 61.10um
pP 54 38.00 18km
PP 55 15.00
S 59 05.00
KKM 26.45 129 ePd 54 38.80 4.5X
2.0s 829.80nm 6.0mb
QUE 26.48 290 eP 54 37.50 2.9
eS 59 01.00
ZAK 26.93 10 iPc+ 54 39.00 0.8
2.2s 2085.00nm 6.4mb
Z 13s 71.17um 6.4MszX
N 13s 20.51um
E 11s 12.04um
e 55 32.00 278kmX
eS 59 17.00
IRK 28.92 11 ePc 54 56.00 -0.3
2.0s 572.00nm 6.0mb
Z 14s 69.85um 6.4MszX
N 13s 41.54um
E 11s 30.14um
epP 55 07.00 41kmX
iS 59 48.00
eSSS 01 12.00
SNY 29.03 46 iPc 54 56.50 -0.9
1.2s 250.00nm 5.9mb
Z 15s 71.00um 6.4MszX
N 15s 26.60um
E 15s 49.30um
S 59 45.00
PLP 30.42 110 ePd 55 10.00 0.0
CIT 31.03 21 eP 55 15.00 -0.2
Z 14s 84.40um 6.6MszX
ePPP 56 39.00
eS 00 15.00
CN2 31.20 44 Pc 55 16.00 -0.6
1.0s 180.00nm 5.9mb
Z 16s 111.00um 6.6MszX
N 16s 108.00um
E 16s 32.80um
esP 55 27.00
eS 00 19.00
HIA 31.36 31 iPc 55 17.95 -0.1
ec 55 22.42 16km
MAIO 33.60 300 iPc 55 39.60 1.7
1.0s 80.50nm 5.6mb
eS 01 04.00
PCI 33.95 133 ePd 55 38.10 -2.8X
e 59 44.70
MDJ 34.21 45 ePc 55 43.16 0.2
2.0s 1310.00nm 6.5mb
Z 28s 25.30um 5.8MszX
N 19s 67.40um
E 16s 23.70um
ed 55 49.53 22km
ePP 56 50.28
ASH 34.84 302 P 55 51.00 2.6
1.2s 520.00nm 6.3mb
Z 15s 33.60um 6.2MszX
N 12s 48.64um
E 12s 12.50um
e 57 06.00 398kmX
PPP 57 22.00
e 58 24.00
eS 01 17.00
iSS 03 30.00
iSSS 03 58.00
e 06 08.00
BOD 36.25 16 eP 56 00.50 0.4
2.0s 1139.00nm 6.4mb
KAT 36.70 304 iP+ 56 06.50 2.4
Z 13s 32.00um 6.3MszX
N 13s 18.00um
E 13s 45.00um
e 56 16.00 32kmX
e 57 25.00
ePPP 57 56.00
iS 01 51.00
e 06 11.00
KHKI 37.49 147 ePd 56 11.70 0.8
e 01 18.00
MAT 38.29 61 P 56 17.00 -0.6
SHI 38.97 288 iPc 56 24.00 0.5
SVE 41.53 331 iPc+ 56 46.00 2.0
1.8s 1060.00nm 6.3mb
Z 16s 57.00um 6.5MszX
N 16s 29.00um
E 16s 30.00um
i 58 24.00 543kmX
iS 02 55.00
BAK 41.74 304 iPc 56 51.00 5.1X
Z 15s 33.40um 6.3MszX
N 18s 82.40um
E 15s 35.80um
SAP 41.75 52 eP 56 47.00 1.0
eS 03 04.00
SHE 42.73 304 iPd 56 55.00 0.9
1.0s 420.00nm 6.1mb
iS 03 18.00
YSS 43.64 46 ePc 57 02.67 1.3
1.7s 990.00nm 6.3mb
Z 18s 43.50um 6.4Msz
E 18s 36.20um
ec 57 05.98
e 57 09.13
epP 57 19.00 65kmX
e 58 40.00
iS 03 28.00

e 06 54.00
YAK 44.32 22 iPc+ 57 07.00 0.3
Z 15s 30.00um 6.3MszX
N 12s 26.30um
E 16s 12.70um
i 58 54.00 609kmX
iPPP 59 34.00
iS 03 39.00
eSS 07 00.00
eSSS 07 51.00
GRS 44.35 303 eP 57 07.00 -0.5
1.2s 410.00nm 6.2mb
e 58 50.00 574kmX
eS 03 41.00
eSS 07 06.00
GRO 45.29 308 iPc+ 57 16.00 1.2
1.5s 1280.00nm 6.6mb
iS 03 57.00
NRI 45.63 356 iPc+ 57 16.00 -1.1
1.3s 348.00nm 6.1mb
i 58 53.00 521kmX
e 59 05.00
eS 04 05.00
ERE 45.82 303 iP+ 57 21.00 1.9
Z 18s 6.50um 5.6Msz
i 59 14.00 655kmX
iS 04 05.00
GUMO 47.27 94 eP 57 32.99 2.3
Z 22s 11.40um 5.8Msz
PcP 59 00.10
eS 04 15.20
PYA 47.27 308 iPc 57 32.00 1.5
1.0s 300.00nm 6.3mb
Z 17s 38.50um 6.4MszX
N 17s 12.50um
E 17s 25.00um
iS 04 23.00
iSS 07 26.00
GUA 47.32 94 eP 57 31.60 0.4
Z 22s 17.73um 6.0Msz
KIV 47.53 308 iPc 57 33.17 0.5
SOC 49.64 308 iPc+ 57 50.00 1.2
1.2s 470.00nm 6.4mb
Z 18s 23.20um 6.2Msz
N 18s 20.80um
E 18s 23.00um
ePPP 00 36.00
iS 04 57.00
e 07 38.00
NANU 50.07 156 eP 57 52.00 -0.2
0.4s 34.00nm 5.7mb
MBL 50.58 151 iPc 57 55.00 -1.1
0.9s 114.00nm 5.8mb
TIK 51.15 13 iPc+ 57 58.00 -1.9
2.0s 1435.00nm 6.6mb
Z 16s 29.00um 6.4MszX
eS 05 17.50
ANN 51.46 309 eP 58 02.00 -0.6
2.0s 300.00nm 5.9mb
eS 05 18.00
SVST 51.61 303 iP 58 05.50 1.5
ARO 51.78 266 ePd 58 07.50 1.9
MGD 52.12 31 eP+ 58 06.00 -1.4
1.2s 450.00nm 6.3mb
Z 14s 35.00um 6.5MszX
N 14s 7.00um
E 14s 37.00um
e 00 09.00 702kmX
ePPP 01 07.00
eS 05 26.00
e 07 46.00
eSS 09 06.00
eSSS 10 46.00
TRHT 52.18 303 iP 58 09.00 0.7
CSTJ 52.48 292 P 58 10.06 -0.6
MOS 52.73 323 iPc 58 12.00 0.0
1.8s 1200.00nm 6.5mb
Z 14s 48.00um 6.7MszX
N 14s 10.00um
E 14s 37.00um
e 58 22.00 33kmX
e 58 26.00
e 00 14.00
iS 05 38.00
MDSJ 52.77 292 P 58 13.98 1.2
HRI 53.00 294 eP 58 15.70 1.2
BHL 53.00 295 Pc 58 13.00 -1.5
SHMJ 53.04 294 P 58 14.33 -0.4
OBN 53.18 322 iPc 58 15.00 -0.3
1.2s 420.00nm 6.3mb
Z 18s 37.00um 6.5Msz
N 18s 17.30um
E 18s 31.80um
iPcP 59 27.00
iS 05 44.00
iPS 06 02.00
iScS 08 04.00
iSS 09 40.00
LQ 14 00.00
LR 15 00.00
SALJ 53.20 293 P 58 15.41 -0.5
MASJ 53.21 293 P 58 15.79 -0.2
SHWJ 53.58 291 P 58 18.37 -0.6
NAOJ 53.64 290 P 58 19.27 0.2
ZNT 53.72 293 eP 58 21.00 1.4
SIM 53.72 309 iP+ 58 19.00 -0.5
Z 24s 5.50um 5.5MszX
e 00 20.00 671kmX
iS 05 50.00
WWKK 53.92 114 eP 58 23.00 1.6
KAS 53.99 305 iPd 58 22.80 1.2
SAGI 54.33 291 eP 58 24.70 0.5
CSS 54.79 297 eP 58 28.50 1.0
BBTK 54.82 303 iPd 58 28.00 0.2
PET 54.84 41 eP 58 26.00 -1.6
1.0s 145.00nm 6.0mb
Z 16s 41.00um 6.6MszX
N 18s 26.00um
E 17s 30.00um
e 00 28.00 671kmX
eS 06 12.00
e 08 10.00
MEEK 54.93 155 eP 58 28.00 -0.5
SGKT 55.32 304 eP 58 31.80 0.3
NAL 55.92 303 eP 58 36.00 0.3
GYN 56.35 304 eP 58 38.00 -0.8
AAE 56.44 265 P 58 42.20 2.1
GPA 56.67 303 eP 58 42.00 1.0
EYL 56.76 304 iP 58 41.20 -0.6
ALT 56.93 302 iP 58 43.00 0.0
AKSR 57.09 283 eP 58 54.30 10.1X
AMAN 57.10 284 eP 58 53.90 9.7X
HRT 57.11 304 iP 58 44.20 0.0
HLW 57.22 291 (P) 58 42.00 -3.0X
eS 06 40.50
AKUR 57.25 284 eP 58 47.00 1.7
PUL 57.30 327 (P) 58 44.00 -1.1
1.5s 570.00nm 6.4mb
Z 20s 39.00um 6.5Msz
N 20s 36.00um
E 18s 29.00um
e 58 49.00 16km
e 59 32.00
e 00 52.00
eS 06 39.00
ELL 57.34 299 iP 58 45.50 -0.5
YLV 57.36 304 eP 58 44.20 -1.8
KIS 57.38 312 ePd- 58 44.00 -1.9
Z 20s 14.80um 6.1Msz
N 16s 28.00um
E 20s 13.00um
e 00 59.00 765kmX
iS 06 40.00
WRA 57.54 136 P 58 45.80 -1.5
0.5s 13.40nm 5.2mb
AGMR 57.55 283 eP 58 51.00 3.6X
ISK 57.55 305 iP 58 39.80 -7.4X
ITU 57.58 305 iPc 58 48.00 0.6
APA 57.63 336 iPd 58 46.70 -0.6
iS 06 48.00
BAL 57.86 159 eP 58 48.00 -1.4
CFR 57.94 309 eP 58 49.00 -0.8
WAR8 58.08 147 eP 58 50.70 -0.3
KCT 58.16 304 iP 58 50.70 -0.8
MNK 58.27 320 eP 58 51.00 -1.0
1.0s 264.00nm 6.2mb
Z 20s 33.60um 6.5Msz
E 20s 27.30um
ePPP 02 10.00
eS 06 48.00
DMK 58.46 305 iP 58 53.80 0.2
BNT 58.48 304 iP 58 54.20 0.5
EDC 58.53 304 iP 58 54.00 0.0
VRI 58.91 310 ePd 58 56.50 -0.1
MUN 58.97 160 eP 58 56.00 -1.1
Z 20s 35.30um 6.5Msz
N 20s 23.50um
E 20s 21.30um
ISR 59.08 309 eP 58 59.00 1.1
KLB 59.12 158 eP 58 57.00 -1.1
IZM 59.22 302 iP 58 57.90 -1.0
BUC 59.45 309 eP 59 00.00 -0.4
MLR 59.48 310 iPc 59 01.00 0.3
e 29 42.00
KAF 59.54 329 eP 59 00.80 0.1
1.1s 151.30nm 6.0mb
COOL 59.71 155 eP 59 01.00 -1.2
EZN 59.76 303 eP 59 01.90 -0.6
ALN 59.84 305 e(P) 59 02.68 -0.4
ASPA 60.04 139 iPd 59 03.00 -1.7
0.8s 64.90nm 5.8mb
eS 07 16.10
PMG 60.04 117 eP 59 01.00 -3.8X
MTUR 60.12 310 eP 59 02.00 -3.1X
NWAO 60.17 159 eP 59 05.00 -0.3
NUR 60.20 327 eP 59 05.00 -0.2
0.8s 90.10nm 6.0mb
Z 17s 49.50um 6.7MszX
e 02 33.00
e 07 15.00
e 08 52.00
LR 27 30.00
LVV 60.50 315 iP 59 07.00 -0.5
Z 20s 51.20um 6.7Msz
N 18s 8.90um
E 18s 21.00um
iPPP 02 51.00
iS 07 21.00
iSS 11 17.00
COZ 60.62 310 eP 59 07.00 -1.6
TNR 60.63 310 ePc 59 14.00 5.5X
BMR 60.99 313 ePd 59 13.00 2.1
OUR 61.47 304 e(P) 59 13.64 -0.6
RAB 61.48 109 e(P) 59 18.00 3.3X
e(S) 07 44.00
DEV 61.57 311 ePd 59 20.00 5.2X
SRS 61.65 305 e(P) 59 14.24 -1.3
UZH 61.71 314 ePd 59 15.00 -0.7
1.2s 220.00nm 6.2mb
Z 15s 18.00um 6.4MszX
N 15s 17.00um
i 59 28.50 48kmX
e 01 36.70
iPPP 03 05.00
iS 07 30.00
iPS 07 44.00
SOH 61.87 305 e(P) 59 14.72 -2.3
KNT 62.17 305 i(P) 59 17.94 -1.0
THE 62.19 305 e(P) 59 19.24 0.1
WAR 62.25 318 eP 59 20.00 0.7
Z 18s 43.00um 6.7Msz
e 03 02.00
S 07 40.00
VAY 62.39 305 iP 59 19.40 -1.0
GRG 62.57 305 i(P) 59 20.45 -1.2
NAI 62.61 255 ePd 59 24.00 1.6
Z 24s 15.47um 6.1MszX
eS 07 50.00
LIT 62.64 304 e(P) 59 20.84 -1.2
AGG 62.94 303 e(P) 59 22.08 -2.0
SPC 63.01 314 eP 59 24.20 -0.4
e 07 58.70
e 08 26.30
SKO 63.12 306 iP 59 24.20 -1.1
1.3s 73.00nm 5.7mb
Z 18s 8.22um 5.9Msz
i 59 36.00 40kmX
i 59 44.00
iPcP 00 18.50
iPPP 02 56.00
iS 07 26.00
iSP 07 52.00
i 13 40.00
i 15 18.00
i 17 25.00
LR 31 20.00
TRO 63.18 338 eP 59 24.50 -0.6
OJC 63.19 316 eP 59 25.50 0.0
Z 18s 26.40um 6.5Msz
N 15s 11.80um
E 15s 17.60um

15d 02h

i 59 30.70 17km
i 00 07.00
eS 07 56.00
FNA 63.36 305 e(P) 59 24.76 -2.2
PSZ 63.39 313 iPc 59 26.40 -0.6
BEO 63 41 310 eP 59 27.20 0.1
UPP 63.70 327 iP 59 28.10 -0.6
1.0s 300.00nm 6.4mb
iS 07 00.00
OHR 63.74 305 iP 59 28.20 -1.2
1.1s 137.00nm 6.0mb
i 59 43.70 57kmX
BUD 64.02 313 eP 59 30.20 -0.9
PVY 64.10 307 eP 59 31.80 0.0
IVA 64.11 308 iPd 59 31.70 -0.1
SMY 64.19 41 eP 59 33.30 1.3
1.3s 891.30nm 6.8mb
RAC 64.23 316 eP 59 33.00 0.6
e 00 18.00 192kmX
e 03 29.00
eS 08 09.00
IGT 64.37 304 i(P) 59 31.68 -1.8
TIR 64.39 306 eP 59 33.00 -0.6
PLE 64.40 308 iPd 59 33.63 -0.1
UZD 64.45 312 iP 59 33.10 -0.8
SRO 64.45 313 iP 59 33.80 -0.1
i 59 38.40 15km
i 59 52.50
i 02 04.10
LACI 64.46 306 eP 59 31.50 -2.5
TPE 64.47 305 eP 59 35.90 1.8
SDA 64.54 307 eP 59 35.00 0.5
TTG 64.65 307 iPd 59 34.44 -0.7
ULC 64.74 307 iPd 59 35.22 -0.6
NKY 64.77 308 iPd 59 35.15 -1.0
BDV 64.99 307 iPd 59 36.52 -0.9
BRY 65.08 308 iPd 59 37.07 -1.2
HCY 65.20 307 iPd 59 37.53 -1.3
ZST 65.20 314 iP 59 38.20 -0.5
e 05 22.60
e(S) 08 24.70
KSP 65.33 317 iPd 59 39.40 -0.1
1.2s 171.00nm 6.1mb
i 59 59.50 77kmX
e 08 16.50
KBS 65.44 348 eP 59 40.00 0.2
HFS 65.85 327 eP 59 41.00 -0.4
0.8s 150.40nm 6.2mb
Z 17s 32.09um 6.6MszX
LR 27 31.00
VKA 65.71 314 iPc 59 41.50 -0.5
5.0s 1045.00nm 6.3mb X
Z 15s 13.40um 6.3MszX
i 00 23.40 177kmX
i 03 59.00
LR 33 08.00
CTA 65.76 128 iPc 59 43.20 0.5
1.2s 112.50nm 5.9mb
eS 08 36.20
CTAO 65.76 128 ePd 59 42.75 0.1
LCI 66.01 305 P 59 44.30 0.3
ILT 66.25 24 iPc- 59 44.00 -1.1
2.0s 1110.00nm 6.7mb
Z 20s 41.00um 6.6Msz
N 18s 23.00um
E 20s 38.00um
e 00 00.00 58kmX
i 00 16.40
ePPP 03 42.00
iS 08 32.00
ePS 08 54.00
e 09 34.00
e 12 50.00
ZAG 66.36 311 eP 59 46.50 0.3
PTJ 66.36 311 iP 59 46.00 -0.3
BRT 66.46 306 P 59 50.80 3.9X
HVAR 66.54 308 iP 59 46.50 -0.9
NB2 66.76 328 P 59 46.80 -1.7
1.2s 82.90nm 5.8mb
BRG 66.80 317 iP 59 48.60 -0.3
1.5s 120.00nm 5.8mb
i 59 49.80 4kmX
i 59 53.80
i 00 09.60
i 02 34.70
iS 08 40.00
eScS 09 12.00

i 17 16.00
eP'P' 28 25.00
COP 66.90 322 eP+ 59 50.40 1.0
1.0s 120.00nm 6.0mb
Z 18s 20.62um 6.4Msz
iS 08 44.00
VBY 66.92 311 eP 59 50.20 0.4
i 59 54.70 14km
i 00 43.40
BRN 66.99 319 ePd 59 52.00 2.0
KMR 67.19 314 iP- 59 52.90 1.5
ROI 67.21 305 P 59 53.40 1.6
CLL 67.30 318 iPc 59 52.10 0.0
1.4s 66.00nm 5.6mb
Z 18s 16.50um 6.3Msz
eS 08 44.00
P'P' 28 18.00
LJU 67.31 312 eP 59 52.00 -0.2
eS 08 44.00
GEC2 67.32 315 PKP 59 50.00 -2.4
1.0s 39.48nm 5.5mb
KHC 67.34 315 P 59 51.50 -1.0
1.3s 48.00nm 5.5mb
Z 20s 16.50um 6.3Msz
N 20s 18.80um
E 22s 25.30um
e 59 57.50 19km
e 00 11.50
S 08 44.00
TDS 67.37 305 P 59 53.00 0.3
CSI 67.38 305 P 59 53.00 0.2
CEY 67.44 311 eP 59 52.50 -0.6
GRI 67.49 304 P 59 53.09 -0.5
0.9s 62.80nm 5.8mb
RIY 67.55 311 eP 59 48.10 -5.6X
CZI 67.62 304 P 59 54.10 -0.2
VOY 67.75 312 eP 59 54.60 -0.5
e(PP) 00 07.80
KONO 67.76 327 ePc 59 54.59 -0.2
eHPP 02 25.71
iPP 02 26.21
WET 67.79 315 eP 59 55.30 0.0
1.3s 88.00nm 5.8mb
MGR 67.84 305 P 59 55.00 -0.7
KBA 67.90 313 iPd 59 55.30 -0.9
1.0s 67.00nm 5.8mb
i 00 14.70 73kmX
i 02 24.80
TRI 67.90 311 eP 59 54.40 -1.5
i 08 20.00
e 22 00.00
i 27 04.00
SGO 67.93 306 P 59 55.80 -0.4
SDI 67.95 303 P 59 55.30 -1.0
BHG 68.08 314 eP 59 56.70 -0.4
1.5s 123.00nm 5.8mb
MOX 68.29 317 eP 59 58.10 -0.2
1.7s 150.00nm 5.9mb
Z 20s 13.00um 6.2Msz
N 21s 8.90um
E 19s 7.20um
eS 09 00.00
P'P' 28 16.70
DUI 68.30 307 P 00 00.40 1.8
ATN 68.38 303 P 59 59.29 0.2
1.3s 58.40nm 5.6mb
FVI 68.38 313 P 59 58.70 -0.2
MUD 68.57 323 iPd 00 01.60 1.8
1.2s 130.00nm 6.0mb
RFI 68.73 307 P 00 02.07 0.9
GRF 68.74 316 iPc 00 01.10 0.0
Z 21s 17.00um 6.3Msz
e 00 07.60 21km
VVI 68.76 312 P 00 00.45 -0.9
1.6s 83.20nm 5.6mb
SDI 68.76 307 P 00 01.00 -0.5
AOU 68.91 308 P 00 02.40 0.1
ARV 68.97 309 P 00 02.70 0.1
WTTA 69.00 313 iPc 00 01.40 -1.6
1.1s 84.40nm 5.8mb
i 00 07.40 19km
FUR 69.04 314 eP 00 03.20 0.2
Z 14s 13.00um 6.3MszX
eS 09 06.60
MEU 69.05 302 P 00 05.36 2.0
PZI 69.08 302 P 00 03.51 0.0
1.0s 67.10nm 5.8mb

ASS 69.27 309 P 00 04.90 0.4
CTI 69.27 312 P 00 04.00 -0.6
OGA 69.50 313 eP 00 05.20 -0.9
RDP 69.55 308 P 00 05.70 -0.6
SFI 69.63 310 P 00 07.20 0.6
CRE 69.64 310 P 00 06.70 -0.1
PGD 69.74 310 P 00 07.75 0.2
1.5s 222.30nm 6.1mb
FIR 70.09 310 eP 00 10.00 0.6
iS 09 18.00
OSS 70.13 313 ePd 00 09.10 -0.8
SAL 70.14 312 P 00 09.60 -0.1
TNS 70.36 317 eP 00 11.50 0.4
eS 09 23.80
MME 70.37 310 P 00 12.02 0.5
BDI 70.48 310 P 00 11.30 -0.6
MAO 70.51 309 P 00 07.50 -4.5X
PII 70.62 310 P 00 11.30 -1.3
VDL 70.63 313 ePd 00 12.30 -0.7
STK 70.68 140 P 00 13.39 0.3
WIT 70.80 320 eP 00 15.50 1.9
LLS 70.85 314 ePd 00 13.50 -0.8
WTS 70.92 319 eP 00 15.00 0.7
1.0s 39.00nm 5.5mb
SLE 70.95 315 ePd 00 14.00 -0.7
BNS 70.96 318 iPc 00 15.30 0.7
Z 18s 28.40um 6.6Msz
i+ 09 30.50
BOB 71.09 311 Pd 00 16.70 1.1
ZLA 71.09 314 ePd 00 14.90 -0.7
TMA 71.13 313 ePd 00 14.90 -1.1
FEL 71.23 315 P 00 16.37 -0.1
VAI 71.26 313 P 00 16.30 -0.2
ADE 71.32 144 ePd 00 17.60 0.6
1.2s 687.50nm 6.6mb
LIBD 71.43 315 P 00 17.54 0.1
CDF 71.57 315 P 00 18.18 -0.3
RMO 71.60 131 eP 00 20.00 1.2
0.8s 109.00nm 6.0mb
i 00 23.80 12km
BBS 71.67 314 P 00 18.86 -0.2
ECH 71.69 315 P 00 18.70 -0.4
MMK 71.75 313 ePd 00 19.20 -0.6
MOF 71.81 315 P 00 19.95 0.0
DBN 71.87 320 eP 00 20.00 0.0
Z 20s 22.00um 6.4Msz
ePP 02 55.00
ePPP 05 40.00
iS 09 40.00
eSS 15 00.00
eSSS 18 00.00
CKI 71.99 311 P 00 20.50 -0.4
PGF 72.01 309 eP 00 20.40 -0.8
1.2s 67.85nm 5.6mb
BSF 72.04 315 P 00 20.91 -0.4
DIX 72.11 313 ePd 00 22.10 0.1
LOMF 72.15 314 P 00 21.48 -0.4
DAG 72.18 347 iPd 00 21.00 -0.5
0.8s 64.93nm 5.7mb
Z 20s 25.53um 6.5Msz
N 24s 27.91um
ANM 72.21 27 eP 00 23.00 1.1
HAU 72.27 315 eP 00 21.70 -0.9
1.1s 35.40nm 5.3mb
Z 20s 11.98um 6.2Msz
EMS 72.44 313 P 00 15.52 -8.3X
VITF 72.45 315 P 00 23.47 -0.1
LPG 72.72 313 eP 00 25.10 -0.5
1.2s 84.50nm 5.7mb
SBF 72.73 311 eP 00 24.30 -1.1
1.2s 71.10nm 5.6mb
LPL 72.73 313 eP 00 25.10 -0.5
1.3s 144.40nm 5.9mb
BRW 72.82 19 eP 00 27.10 1.8
BNI 72.90 312 P 00 26.90 0.4
CMS 72.98 137 eP 00 27.00 0.2
i 00 30.60 12km
FRF 73.36 311 eP 00 28.20 -0.8
1.2s 36.30nm 5.3mb
LMR 73.53 310 eP 00 29.20 -0.8
1.5s 120.65nm 5.7mb
LRG 73.59 311 eP 00 29.90 -0.4
1.0s 42.40nm 5.4mb
CDR 73.94 311 ePd 00 31.30 -1.1
LOR 74.10 315 eP 00 32.30 -1.0
1.4s 55.75nm 5.4mb
Z 21s 11.48um 6.1Msz

LBF 74.11 315 eP 00 32.40 -1.0
1.4s 74.95nm 5.5mb
SMF 74.31 314 eP 00 33.70 -0.8
1.2s 68.45nm 5.6mb
SSF 74.39 315 eP 00 34.30 -0.6
0.9s 38.65nm 5.4mb
AVF 74.58 315 eP 00 35.40 -0.6
1.2s 58.60nm 5.5mb
BGF 74.99 314 eP 00 37.70 -0.7
1.2s 33.30nm 5.2mb
BFD 75.04 143 iPd 00 40.00 1.3
1.5s 306.00nm 6.1mb
MAF 75.28 314 eP 00 40.10 0.0
1.2s 49.40nm 5.4mb
TCF 75.49 314 eP 00 41.20 -0.1
1.4s 98.45nm 5.7mb
EKA 75.54 324 Pd 00 41.50 0.2
1.2s 43.10nm 5.4mb
ESK 75.57 324 ePc 00 39.85 -1.6
LSF 75.95 315 eP 00 43.20 -0.7
1.2s 31.55nm 5.2mb
ARMA 76.04 133 iPd 00 47.70 3.0X
0.9s 37.00nm 5.4mb
i 01 11.60 91kmX
CAF 76.05 313 eP 00 44.50 0.0
1.3s 47.30nm 5.4mb
IMA 76.13 23 eP 00 45.90 1.2
1.9s 1075.90nm 6.6mb
LDF 76.19 317 eP 00 44.60 -0.5
1.0s 39.40nm 5.4mb
RJF 76.28 314 eP 00 45.90 0.1
1.6s 141.80nm 5.8mb
Z 19s 8.98um 6.1Msz
FLN 76.35 317 eP 00 45.50 -0.6
1.6s 74.00nm 5.5mb
Z 20s 11.30um 6.2Msz
KRI 76.39 244 iPd 00 47.70 0.7
i 00 59.00 37kmX
i 01 12.90
i 01 26.50
TTA 76.68 27 eP 00 49.10 1.3
BCAO 76.70 269 iPd 00 51.00 2.3
0.9s 86.00nm 5.8mb
id 01 09.00 66kmX
id 02 00.00
ic 02 31.60
LPO 76.72 313 eP 00 48.10 -0.1
1.2s 44.05nm 5.4mb
GRR 76.72 317 eP 00 47.80 -0.3
1.0s 30.40nm 5.3mb
LSZ 76.81 247 iPc 00 49.00 -0.3
MFF 76.91 315 eP 00 48.90 -0.3
1.2s 25.60nm 5.2mb
LFF 76.92 313 eP 00 49.60 0.3
1.2s 40.45nm 5.4mb
LPF 76.96 317 eP 00 49.30 -0.2
1.1s 33.20nm 5.3mb
TOO 76.97 142 eP 00 51.00 1.4
MBC 77.62 8 eP 00 53.00 0.4
1.0s 125.00nm 5.9mb
AKU 77.62 337 iPc 00 55.10 2.3
1.0s 36.00nm 5.4mb
Z 17s 19.73um 6.5MszX
SVW 77.68 28 eP 00 55.30 2.1
CN8 77.73 138 eP 00 54.00 0.1
EPF 77.88 312 eP 00 55.40 0.7
1.4s 20.90nm 5.0mb
SDN 77.89 35 eP 00 55.00 0.6
ETA 78.22 323 eP 00 58.00 1.7
BTH 78.22 312 Pc 01 02.00 5.5X
pP 01 08.50 21km
ipPcP 01 20.50
PPPP 07 10.00
eS 10 50.00
SS 16 40.00
PKKS 23 30.00
ECP 78.52 322 eP 00 57.10 -0.8
EGRA 78.64 311 iPc 00 55.72 -3.1X
ECB 78.67 322 eP 00 58.00 -0.8
FBA 78.84 23 eP 01 00.40 0.9
BUL 78.89 242 iPd- 01 00.80 0.1
0.9s 50.42nm 5.6mb
Z 19s 21.53um 6.5Msz
N 19s 13.89um
E 19s 6.94um
CPKM 79.04 27 (P) 01 01.97 1.0
REF 79.23 28 eP 01 01.43 -0.5

ECRI 79.98 312 eP 01 05.85 -0.3
JOZ 80.07 234 iPc 01 06.00 -0.7
1.0s 30.00nm 5.2mb
PMR 80.14 26 eP 01 07.50 1.0
1.3s 463.00nm 6.3mb
Z 20s 18.00um 6.4Msz
SLKM 80.28 27 eP 01 06.83 -0.5
ePP 04 11.33
ETOR 80.37 310 eP 01 08.30 -0.1
CRZF 80.68 209 eP 01 17.00 7.5X
ePPP 05 21.00
iS 11 12.00
eSP 12 23.00
eSS 16 42.00
eSSS 21 08.00
KDC 80.71 30 eP 01 10.90 1.3
KLU 81.47 25 eP 01 13.81 0.1
EVIA 81.56 308 eP 01 14.61 -0.1
TAU 81.69 145 eP 01 14.78 -0.1
GUD 81.90 311 eP 01 15.79 -0.6
EHUE 81.96 308 eP 01 17.22 0.5
SLR 82.02 237 iPc 01 17.70 0.5
0.7s 65.07nm 5.8mb
Z 18s 12.71um 6.3Msz
TOL 82.15 310 ePc 01 18.34 0.8
ePP 04 12.00
eS 11 32.00
DZM 82.43 118 iPd 01 23.60 4.3X
EBAN 82.68 308 eP 01 20.40 0.0
BALM 83.13 25 eP 01 23.48 1.1
PRY 83.26 237 eP 01 23.60 0.0
0.8s 9.38nm 5.0mb
EPLA 83.48 311 iPc 01 25.88 1.4
SEK 83.86 235 iPc 01 27.40 0.7
1.2s 85.94nm 5.8mb
EHOR 83.87 309 eP 01 27.23 0.8
EPRU 84.22 308 eP 01 28.42 0.1
GDH 84.40 350 eP 01 27.35 -1.1
1.1s 222.78nm 6.3mb
i 11 52.00
EJIF 84.62 307 eP 01 30.62 0.4
EVAL 85.04 309 iPc 01 33.47 1.2
BLF 85.35 235 iPc 01 34.70 0.6
0.8s 50.00nm 5.8mb
IFR 85.64 305 iP 01 36.00 0.3
i 01 43.00 22km
FRS 86.32 235 iPc 01 38.20 -0.5
0.8s 22.39nm 5.4mb
AVE 87.45 305 eP 01 51.50 7.2X
i 02 07.00 54kmX
TIO 88.41 303 iP 01 51.00 1.9
i 02 10.00 68kmX
SIT 88.49 25 eP 01 51.70 3.0X
2.2s 1060.00nm 6.8mb
YKA 90.41 14 eP 01 58.50 0.8
0.9s 13.60nm 5.2mb
MAW 94.61 192 iPd 02 17.60 1.0
1.0s 40.00nm 5.8mb
Z 18s 8.00um 6.2Msz
ePP 06 07.00
HON 95.14 64 P 02 30.00 9.8X
Z 20s 4.97um 6.0Msz
MCW 99.75 25 eP 02 45.00 4.2X
PNT 100.41 23 ePdiff02 46.00 2.5
DPW 102.14 23 ePdiff02 53.55 2.3
SES 102.15 17 ePdiff02 55.00 3.7X
LRM 105.85 20 ePdiff03 02.70 -5.4X
ISA 112.29 30 PKP 07 40.00 7.0X
Z 22s 8.63um 6.3Msz
HRV 112.80 350 PKP 07 40.00 6.3X
Z 19s 8.81um 6.4Msz
GOL 113.56 18 (PKP) 07 34.94 -0.7
Z 19s 6.13um 6.2Msz
SPA 113.88 180 iPKPd 07 39.40 4.2X
1.0s 49.00nm
Z 23s 9.31um 6.3MszX
MCWV 116.53 356 PKP 07 50.00 9.0X
Z 20s 12.32um 6.5Msz
SLM 117.40 5 PKP 07 50.00 7.4X
Z 20s 6.83um 6.3Msz
ALQ 117.63 21 ePKP 07 42.96 -0.5
Z 21s 1.36um 5.5Msz
ePP 08 56.43
CBN 117.78 354 e(PKP)08 02.00 18.6X
CCM 117.88 6 PKP 07 50.00 6.4X
Z 20s 15.15um 6.6Msz
FVM 118.03 6 PKP 07 50.00 6.1X

Z 19s 14.34um 6.6Msz
TUL 119.37 11 (PKP) 07 46.10 -0.4
0.6s 3.20nm
Z 22s 12.34um 6.5Msz
ePP 08 55.60
e 09 04.00
e 09 12.50
PKKP 18 55.00
SKSP 20 10.00
SKKP 25 39.00
SKSP' 35 46.00
LR 52 49.00
SIO 119.43 11 (PKP) 07 47.30 0.7
(PP) 09 12.90
VVO 119.94 11 (PKP) 07 47.60 0.0
(PP) 09 12.20
CEH 120.22 355 ePKP 07 46.99 -1.1
Z 22s 12.40um 6.5Msz
OLY 120.38 7 ePKP 07 48.80 0.4
TKL 120.64 360 ePKP 07 49.20 0.3
JSC 121.96 357 ePKP 07 51.68 0.3
HBF 123.25 356 (PKP) 07 51.46 -2.5
ITR 133.88 281 ePKP 08 11.70 -3.2X
e 08 20.80
PDCR 135.99 277 (PKP) 08 21.00 2.2
TOV 143.61 336 ePKP 08 31.50 -1.2
SDV 144.75 337 ePKP 08 32.70 -2.1
ICR 146.20 360 ePKP 08 38.79 1.2
SJS 146.24 360 ePKP 08 38.42 1.2
JCR 146.32 2 ePKP 08 37.55 0.3
LCR2 146.44 360 ePKP 08 38.07 0.4
BUS 146.62 359 ePKP 08 39.57 1.3
BMG 147.28 340 iPKPc 08 40.00 1.1
ACR 147.51 358 ePKP 08 41.84 2.8
PPD 149.82 267 ePKP 08 48.10 5.6X
e 08 58.30
e 09 13.50
BOG 149.90 340 ePKP 08 47.00 3.7X
PSO 154.09 344 ePKP 08 52.50 3.1X
LPA 154.86 238 ePKP+ 08 56.00 6.7X
Z 20s 5.67um 6.4Msz
ePKS 12 24.00
SIV 156.98 286 ePKP 08 56.00 3.3X
CCH 161.98 288 PKP 09 02.50 4.1X
LPB 163.28 294 PKP 09 02.00 2.1
Z 24s 10.08um
CNCB 163.31 292 PKP 09 03.00 2.9
RTLL 164.39 239 e(PKP)09 05.50 5.4X
RTCB 164.59 238 iPKPd 09 07.20 6.8X
ARE 166.01 300 ePKP 09 10.00 7.8X
S.D. = 1.1 on 377 of 432 obs.

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* JUN 15, 1992 03h 57m 38.79± 0.90s
22.996 N ±13.8km 94.869 E ± 8.3km
DEPTH = 71.1 ± 15.2 km
4.2mb (2 obs.)
MYANMAR (296)

SHL 3.74 314 ePn 58 35.50 0.0
iSn 59 23.50
CHG 5.64 137 ePn 59 02.00 0.0
ePg 59 22.00
iSg 00 38.00
KMI 7.50 72 Pc 59 28.00 0.0
E 10s 1.50um
S 00 48.00
KHT 8.89 156 eP 59 56.00 9.1X
GUN 9.48 303 P 59 55.00 -0.3
PKI 9.70 300 P 59 58.40 0.2
KKN 9.89 301 P 00 01.20 0.4
DMN 9.95 299 P 00 02.20 0.5
0.6s 27.00nm 5.5mb X
GKN 10.50 300 P 00 08.20 -0.8
WRA 57.49 135 P 07 22.50 -0.6
0.7s 0.60nm 3.8mb
ASPA 59.92 138 eP 07 40.50 0.6
0.7s 3.20nm 4.6mb
S.D. = 0.6 on 10 of 11 obs.

% JUN 15, 1992 04h 00m 17.76± 0.82s
42.855 N ± 6.4km 12.492 E ±10.7km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS 0.25 30 P 00 21.50 -1.6
eSg 00 26.30
MNS 0.49 164 P 00 26.80 -0.9

15d 04h

ARV 0.72 27 P 00 32.90 0.9
eSg 00 43.50
AQU 0.84 126 P 00 35.10 1.1
CRE 0.87 333 P 00 34.60 0.1
eSg 00 48.30
SFI 1.16 337 P 00 38.90 -0.6
eSg 00 57.80
PGD 1.16 331 P 00 40.50 0.9
SDI 1.51 139 P 00 45.00 0.1
S.D. = 1.1 on 8 of 8 obs.

? JUN 15, 1992 04h 07m 23.84± 4.94s
42.823 N ± 8.5km 13.073 E ±46.8km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS 0.39 309 P 07 31.50 -0.4
eSg 07 36.00
MNS 0.53 214 P 07 34.50 0.0
CRE 1.15 315 P 07 46.10 0.7
SFI 1.41 321 P 07 49.20 -0.3
eSg 08 08.40
S.D. = 0.9 on 4 of 4 obs.

JUN 15, 1992 04h 14m 17.93± 0.56s
33.097 N ± 6.2km 141.193 E ± 7.4km
DEPTH = 33.0km (normal)
4.4mb (8 obs.)
OFF EAST COAST OF HONSHU, JAPAN (229)

KAKJ 3.21 345 P 15 08.30 1.1
CHJJ 3.46 329 P 15 11.20 0.4
S 15 46.70
IIDJ 3.61 312 P 15 14.00 1.1
S 15 55.50
MTMJ 4.46 322 P 15 26.90 1.8
NIIJ 4.51 337 P 15 25.60 0.0
WKYJ 4.80 285 iPd 15 28.80 -1.1
S 16 19.10
TSRJ 4.95 301 P 15 31.40 -0.5
YAMJ 5.15 350 P 15 35.00 0.2
eS 16 30.90
OFUJ 5.98 4 P 15 45.60 -0.9
S 16 49.60
TKSJ 6.03 280 P 15 46.10 -1.1
YONJ 6.74 290 P 15 56.00 -1.1
AOMJ 7.48 355 eP 16 06.20 -1.2
SHNJ 8.47 280 eP 16 19.70 -1.6
KUMJ 8.74 269 eP 16 26.20 1.2
MRRJ 9.31 359 P 16 30.10 -2.8X
eS 18 10.00
HOOJ 9.42 10 eP 16 32.30 -2.0
eS 18 10.80
KUSJ 10.36 14 eP 16 44.50 -2.8X
eS 18 32.30
ASAJ 11.06 5 P 16 54.20 -2.7X
PKI 47.99 279 P 23 00.00 3.8X
IMA 50.19 29 (P) 23 10.24 -2.0
0.5s 0.89nm 4.0mb
WB2 53.14 188 iPd 23 34.30 -0.5
0.3s 41.60nm 5.9mb X
WRA 53.15 188 P 23 34.80 0.0
0.5s 16.20nm 5.3mb
ASPA 56.87 188 iPc 24 01.40 -0.5
0.4s 26.90nm 5.6mb X
WARB 60.56 195 eP 24 27.80 0.4
YKA 67.31 29 eP 25 11.60 0.3
0.5s 1.10nm 4.2mb
DAG 69.68 355 eP 25 27.50 1.8
KAF 71.73 333 iP 25 37.60 -0.7
0.5s 2.40nm 4.5mb
NUR 73.34 332 iP 25 48.20 0.4
0.3s 3.00nm 4.8mb
LRM 77.10 44 eP 26 13.70 3.8X
HFS 77.60 336 eP 26 12.10 0.1
0.7s 4.10nm 4.6mb
NB2 77.74 338 P 26 12.80 -0.1
0.7s 3.00nm 4.4mb
OJC 82.21 326 eP 26 38.50 1.6
BRG 84.34 330 e(P) 26 50.00 2.2
CLL 84.41 330 e(P) 26 49.00 0.9
GEC2 85.96 328 P 26 56.00 0.0
0.5s 0.72nm 4.2mb
LPB 148.86 65 PKP 34 17.00 16.3X
S.D. = 1.2 on 30 of 36 obs.

? JUN 15, 1992 04h 17m 02.72± 2.09s
39.110 N ±11.1km 26.451 E ±21.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EZN 0.72 352 ePg 17 16.90 0.0
eSg 17 28.90
IZM 0.95 138 iPg 17 20.90 0.0
iSg 17 33.04
BNT 1.68 42 ePn 17 32.20 -0.1
KCT 1.86 52 ePn 17 35.00 0.1
S.D. = 0.2 on 4 of 4 obs.

JUN 15, 1992 04h 19m 16.44± 1.33s
46.392 N ±11.2km 15.184 E ± 7.4km
DEPTH = 5.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 2.6 (LJU), 2.3 (TRI). ML 2.4
(VIE). Felt (IV) at Radlje ob
Dravi, Slovenia.

LJU 0.57 233 iPg 19 28.50 0.6
eSg 19 37.80
PTJ 0.73 132 iPg 19 31.00 0.0
iSg 19 43.40
CEY 0.84 219 ePg 19 33.50 0.3
eSg 19 46.90
VOY 0.97 249 iPg 19 35.10 -0.2
e 19 36.30
eSg 19 50.60
TRI 1.20 236 e(Pg) 19 38.40 -0.9
i(Sg) 19 58.70
KBA 1.44 299 iPgd 19 43.60 0.2
iSg 20 04.00
S.D. = 0.7 on 6 of 6 obs.

JUN 15, 1992 04h 21m 01.60± 0.34s
39.139 N ± 3.2km 29.378 E ± 3.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MG 3.9 (DDA). Felt in the
Kutahya area.

ALT 0.58 98 iPn 21 13.00 -0.3
IZI 1.20 3 iPn 21 24.20 0.2
GPA 1.35 32 iPn 21 26.90 0.4
eSg 21 44.90
KCT 1.36 325 iPn 21 27.00 0.4
YLV 1.43 360 iPn 21 27.04 -0.6
EYL 1.55 23 iPn 21 29.20 -0.1
GYN 1.60 40 iP 21 30.30 0.3
eS 21 50.70
GBZT 1.65 2 ePn 21 31.20 0.5
iPg 21 33.90
iSg 21 56.60
BNT 1.66 318 iPn 21 31.70 0.9
eSg 21 52.70
EDC 1.68 316 iPn 21 32.00 0.9
HRT 1.70 7 iPn 21 31.20 -0.2
IZM 1.81 247 iPn 21 32.90 -0.2
NAL 1.83 54 eP 21 34.00 0.6
CIN 1.84 214 ePn 21 33.00 -0.5
ISK 1.94 353 iPn 21 34.80 -0.1
ITU 1.98 352 ePn 21 35.00 -0.5
iSg 22 05.00
CTT 2.13 340 iPn 21 37.20 -0.5
ELL 2.42 170 iPn 21 42.50 0.5
EZN 2.46 287 iPn 21 42.30 -0.1
SGKT 2.51 54 iP 21 43.10 -0.2
BBTK 2.71 74 iPc 21 52.00 5.9X
eS 22 36.00
DMK 2.95 336 iPn 21 49.30 0.0
KAS 4.03 55 ePn 22 10.00 5.2X
VAY 5.65 295 ePn 22 31.00 3.4X
SKO 6.67 298 ePn 22 50.50 8.4X
MLR 6.84 339 ePd 22 44.00 -0.5
VRI 7.01 345 ePd 22 46.00 -0.7
CLL 16.72 322 eP 25 04.00 6.7X
S.D. = 0.5 on 23 of 28 obs.

• JUN 15, 1992 05h 07m 17.22± 0.51s
26.413 S ±10.7km 177.397 W ±10.9km
DEPTH = 33.0km (normal)
4.8mb (8 obs.)
SOUTH OF FIJI ISLANDS (171)

RAO 2.87 189 P 08 02.90 1.3
S 08 40.00
RMO 30.26 262 iPc 13 28.40 1.0
0.9s 48.00nm 5.3mb
CMS 32.47 252 eP 13 47.00 0.2
CTA 33.90 273 eP 14 00.40 1.0
1.1s 112.03nm 5.7mb
STK 36.08 251 eP 14 17.80 0.0
1.6s 3.30nm 4.0mb
ASPA 44.00 263 iPc 15 23.00 -0.5
1.5s 29.70nm 4.9mb
WB2 44.62 268 ePd 15 27.50 -1.0
1.2s 7.80nm 4.4mb
WRA 44.63 268 P 15 28.10 -0.5
1.1s 2.20nm 3.9mb
MHA 50.80 26 (P) 16 16.24 -0.3
SPA 63.74 180 iPd 17 45.70 -2.2
0.7s 8.98nm 5.0mb
GMW 88.49 34 eP 20 08.61 1.3
RMW 88.92 34 (P) 20 10.25 0.7
SLKM 89.41 13 eP 20 11.41 -0.1
ALQ 90.67 51 ePc 20 24.10 6.0X
1.0s 7.50nm 5.0mb
NB2 144.89 353 PKP 26 51.40 -0.6
1.1s 22.10nm
UPP 144.99 347 iPKP 26 51.50 -0.5
HFS 145.44 350 ePKP 26 52.50 -0.3
0.9s 11.80nm
OJC 152.80 335 ePKP 27 13.30 8.8X
KSP 153.45 340 ePKP 26 57.00 -8.4X
CLL 153.91 345 ePKP 27 15.00 9.0X
e 27 28.00
BRG 154.08 343 ePKP 27 16.00 9.7X
1.4s 12.00nm
e 27 29.00
KHC 155.77 342 ePKP 27 09.50 0.8
e 27 36.50
S.D. = 1.0 on 17 of 22 obs.

JUN 15, 1992 05h 56m 08.34± 0.64s
15.984 N ± 3.7km 60.876 W ± 8.9km
DEPTH = 43.5 ± 8.9 km
4.0mb (1 obs.)
LEEWARD ISLANDS (92)
MD 3.7 (TRN).

DEG 0.37 332 iPc 56 17.02 -0.7
MGG 0.43 261 iPd 56 17.57 -0.8
DOG 0.72 274 iPd 56 21.62 -0.6
SEG 0.73 305 iPc 56 22.14 -0.2
PAG 0.77 273 eP 56 22.39 -0.6
S 56 30.53
MDN 0.83 217 eP 56 23.20 -0.6
eS 56 33.21
DPMT 0.87 214 eP 56 24.15 -0.2
eS 56 35.14
DTMT 0.88 212 eP 56 23.85 -0.6
eS 56 34.31
DSVT 0.89 212 eP 56 24.96 0.4
eS 56 35.66
CRM 1.22 182 iPc 56 29.19 -0.1
S 56 43.40
FDF 1.27 192 iPc 56 29.50 -0.5
S 56 44.20
BPA 1.41 318 eP 56 32.22 0.2
eS 56 47.32
MVM 1.42 181 iPc 56 32.45 0.3
S 56 49.30
MBET 1.45 302 eP 56 32.99 0.5
eS 56 50.03
BIM 1.47 187 iPc 56 32.81 0.0
S 56 50.10
MGH 1.48 300 ePc 56 33.22 0.3
S 56 52.50
ANG 1.48 322 eP 56 33.27 0.4
eS 56 48.53
CPB 1.88 331 eP 56 38.87 0.3
eS 57 00.54
SLW 1.95 182 eP 56 40.02 0.4
eS 57 03.56
NEV 1.99 305 eP 56 40.42 0.3
eS 57 03.83
SLB 2.15 184 eP 56 42.78 0.3
eS 57 07.37
SKI 2.23 307 eP 56 44.01 0.4
eS 57 10.01
BSK 2.32 306 eP 56 45.76 0.9
SVV 2.67 187 eP 56 50.20 0.3
eS 57 20.53

SVB 2.72 188 eP 56 51.13 0.5
eS 57 21.88
YKA 59.56 334 eP 06 08.10 -1.6
0.5s 0.60nm 4.0mb
S.D. = 0.6 on 26 of 26 obs.
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* JUN 15, 1992 06h 00m 42.86± 0.50s
18.143 N ±30.0km 64.179 W ± 8.2km
DEPTH = 157.0 ± 15.3 km
3.6mb (1 obs.)
VIRGIN ISLANDS (91)
MD 3.6 (TRN).

BSK 1.50 122 eP 01 13.61 0.3
eS 01 37.72
SKI 1.59 120 eP 01 14.67 0.4
eS 01 38.16
LPR 1.62 276 iP 01 14.20 -0.4
S 01 37.70
CPD 1.66 267 iP 01 15.10 0.2
NEV 1.83 123 eP 01 17.10 0.2
eS 01 43.13
SJG 1.87 269 iP 01 17.80 0.4
CLLP 2.28 269 iP 01 22.10 0.0
S 01 52.60
CPB 2.30 102 eP 01 22.48 0.2
PORP 2.34 268 iP 01 22.80 0.0
MGH 2.35 127 eP 01 23.09 0.1
eS 01 50.72
APR 2.44 278 iP 01 24.00 -0.1
S 01 54.00
ANG 2.45 113 eP 01 23.56 -0.5
eS 01 53.15
BPA 2.47 116 eP 01 23.65 -0.8
eS 01 53.37
LRS 2.54 274 iP 01 25.00 -0.3
S 01 56.00
YKA 56.26 335 eP 10 09.00 0.2
0.5s 0.40nm 3.6mb
S.D. = 0.4 on 15 of 15 obs.

JUN 15, 1992 06h 05m 10.76± 0.38s
47.284 N ± 4.6km 11.193 E ± 3.1km
DEPTH = 5.0km (geophysicist)
AUSTRIA (546)
ML 2.9 (LDG), 2.7 (FUR), 2.6
(VIE). Felt (IV) at Inzing and
Tyrol.

SOTA 0.06 170 iPgd 05 12.10 -0.4
iSg 05 13.10
MOTA 0.09 315 iPgd 05 12.70 -0.1
iSg 05 15.20
WATA 0.27 79 iPgc 05 15.00 -1.2
i(Sg) 05 19.40
WTTA 0.30 94 iPgc 05 15.90 -1.0
iSg 05 20.00
SCE 0.43 125 ePg 05 18.50 -0.9
OGA 0.43 195 iPgd 05 19.00 -0.5
0.7s 42.00nm
FUR 0.88 4 ePg 05 28.50 0.3
iSg 05 40.90
OSS 0.93 231 iP 05 28.50 -0.7
BHG 1.22 68 eP 05 35.50 1.5
VDL 1.43 237 eP 05 38.00 0.5
KBA 1.48 97 iPnd 05 37.00 -1.3
iPg 05 39.90
iSn 05 58.70
iSg 06 02.60
LLS 1.56 255 eP 05 41.40 2.0
WET 2.18 31 iPc 05 48.50 0.3
VOY 2.24 123 ePn 05 51.00 1.8
eSn 06 22.50
TRI 2.37 131 e(Pg) 06 07.70 16.7X
i(Sg) 06 24.10
CEY 2.72 124 ePn 05 57.50 1.6
eSn 06 32.50
CDF 2.87 295 Pn 05 57.90 -0.2
Sg 06 43.20
BSF 3.03 282 Pn 06 00.30 -0.1
Sn 06 35.00
Sg 06 47.50
HAU 3.35 284 Pn 06 05.30 0.4
Sn 06 43.60
Sg 06 58.50
LPG 3.56 241 Pn 06 09.10 1.1
LPL 3.56 242 Pn 06 09.30 1.3

LBF 4.93 269 Pn 06 27.00 -0.4
AVF 5.38 268 Pn 06 32.60 -1.1
BGF 5.76 266 Pn 06 38.00 -1.0
MAF 6.02 263 Pn 06 41.80 -0.9
TCF 6.25 264 Pn 06 44.70 -1.2
S.D. = 1.1 on 25 of 26 obs.
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* JUN 15, 1992 07h 59m 04.19± 0.40s
7.362 N ± 6.5km 127.089 E ± 8.0km
DEPTH = 33.0km (normal)
4.9mb (17 obs.) 4.6Msz (2 obs.)
PHILIPPINE ISLANDS REGION (248)
Felt (II RF) at Bislig.

BIP 1.19 316 iPc 59 22.00 -2.6
CGP 2.61 295 iPc 59 44.00 -0.9
iS 00 07.00
MAP 4.25 314 ePc 00 07.50 -0.8
iS 01 00.00
PLP 4.32 331 ePc 00 08.00 -1.2
iS 00 24.00
GUMO 18.54 69 eP 03 19.00 -1.3
Z 23s 0.56um
eS 06 56.00
PJG 18.54 69 eP 03 19.20 -1.1
GUA 18.56 69 eP 03 18.50 -2.1
0.8s 113.43nm 5.1mb
WWKK 19.78 123 eP 03 44.80 10.0X
QIZ 20.38 306 P 03 39.00 -2.0
0.8s 62.00nm 5.0mb
E 17s 2.02um
eS 07 22.00
MTN 20.47 169 eP 03 41.00 -1.0
NST 27.65 290 eP 04 53.50 2.4
KMI 29.20 310 Pc 05 07.50 2.1
CHTO 29.63 295 (P) 05 06.80 -2.2
XAN 31.41 330 iPd 05 27.30 2.7X
ASPA 31.55 168 eP 05 25.00 -0.9
0.6s 10.60nm 4.9mb
CD2 32.02 320 P 05 32.00 2.0
CTA 33.16 146 eP 05 43.00 3.0X
0.7s 16.44nm 5.0mb
WARB 33.35 181 eP 05 41.00 -0.5
BJI 33.98 345 eP 05 50.50 3.7X
SNY 34.46 355 Pc 05 50.00 -1.0
0.8s 11.00nm 4.8mb
MEEK 34.78 193 eP 05 52.50 -1.4
HHC 36.11 340 eP 06 08.00 2.8X
Z 22s 0.77um 4.4Msz
eS 11 47.00
CN2 36.32 358 eP 06 10.50 3.7X
MDJ 37.17 3 eP 06 11.00 -2.9
HOOJ 37.70 20 eP 06 20.20 1.9
MRWA 37.90 196 eP 06 28.00 7.8X
FORT 37.93 179 eP 06 20.00 -0.4
KUSJ 38.82 21 eP 06 30.10 2.3
BAL 39.04 194 eP 06 29.00 -0.7
ASAJ 39.06 18 eP 06 30.60 0.9
KLB 39.75 192 eP 06 35.00 -0.6
GTA 40.23 327 eP 06 41.00 1.3
1.5s 7.00nm 4.2mb
Z 16s 1.09um 4.8MszX
E 15s 0.36um
MUN 40.47 194 eP 06 41.00 -0.6
STK 41.41 161 iPc 06 50.40 1.2
0.8s 4.00nm 4.2mb
ADE 43.51 166 e(P) 07 07.70 1.3
GUN 43.98 303 P 07 09.40 -1.3
ARMA 44.33 149 eP 07 15.00 1.8
0.9s 20.00nm 4.9mb
BFD 46.61 163 eP 07 31.00 -0.1
0.9s 37.00nm 5.4mb
i 07 37.70
TOO 47.89 160 eP 07 42.00 0.7
WMQ 50.01 323 P 07 59.90 2.3
1.0s 28.00nm 5.2mb
Z 19s 0.69um 4.7Msz
ePcS 13 12.50
eS 15 10.00
ScS 17 40.00
HBZ 65.41 137 eP 10 03.80 17.9X
MAIO 67.64 306 eP 10 03.00 2.6
SVW 77.45 29 eP 10 58.29 0.5
0.9s 20.74nm 5.2mb
IMA 78.94 24 eP 11 06.45 0.5
0.7s 3.55nm 4.5mb
PMR 80.61 29 eP 11 15.47 0.7

0.6s 5.94nm 4.8mb
FBA 81.31 25 eP 11 18.12 -0.3
0.9s 10.01nm 4.8mb
OBN 84.30 325 eP 11 47.00 13.0X
Z 16s 0.30um 4.8MszX
MBC 88.35 13 eP 11 54.00 0.5
1.0s 6.00nm 4.9mb
KAF 88.56 332 eP 11 56.90 2.2
YKA 96.06 24 eP 12 28.20 -1.2
0.8s 2.70nm 4.8mb
GEC2 99.47 322 P 12 40.50 -4.7X
0.8s 0.96nm 4.4mb
S.D. = 1.6 on 41 of 51 obs.

% JUN 15, 1992 08h 14m 47.99± 0.95s
39.678 N ± 8.3km 29.390 E ± 8.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.59 263 iPg 14 59.00 -1.0
eSg 15 08.00
IZI 0.66 5 iPg 15 00.10 -1.1
ALT 0.84 138 ePn 15 04.50 0.3
YLV 0.89 359 iPn 15 05.60 0.5
KCT 0.98 306 ePn 15 06.60 0.0
BNT 1.32 301 iPn 15 13.60 1.3
S.D. = 1.2 on 6 of 6 obs.

? JUN 15, 1992 08h 44m 41.18± 5.12s
41.959 N ±26.8km 20.201 E ±29.3km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 1.9 (TTG).

PVY 0.66 345 iPgc 44 53.55 -0.8
iSg 45 03.74
ULC 0.71 271 iPgc 44 54.55 -0.6
iSg 45 05.85
TTG 0.84 304 iPgc 44 57.13 -0.3
iSg 45 10.45
IVA 0.94 346 iPgd 44 58.75 -0.4
iSg 45 13.35
BDV 1.07 288 iPgd 45 01.31 -0.1
iSg 45 17.78
NKY 1.23 314 iPgd 45 04.54 0.3
iSg 45 23.56
HCY 1.36 292 iPgc 45 06.19 0.1
iSg 45 26.74
PLE 1.49 337 iPgc 45 08.91 0.8
iSg 45 31.60
BRY 1.55 308 iPnd 45 09.96 1.0
iSn 45 33.31
S.D. = 0.7 on 9 of 9 obs.

% JUN 15, 1992 09h 12m 11.63± 0.77s
39.223 N ± 7.2km 27.743 E ± 7.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.78 61 iPn 12 26.90 0.0
iSg 15 11.00
IZM 0.91 205 iPn 12 29.00 0.0
eSg 12 43.50
KCT 1.13 25 iPn 12 33.20 0.4
BNT 1.14 7 iPn 12 32.60 -0.4
EZN 1.25 299 ePn 12 34.90 0.0
IZI 1.74 50 ePn 12 42.00 -0.1
S.D. = 0.3 on 6 of 6 obs.

% JUN 15, 1992 10h 03m 34.57± 0.88s
39.094 N ± 7.6km 27.653 E ± 9.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.76 204 iPg 03 49.50 0.1
eSg 04 02.00
DST 0.91 56 iPn 03 51.80 -0.3
EZN 1.26 306 ePn 03 57.90 -0.1
KCT 1.27 25 iPn 03 58.70 0.5
BNT 1.28 9 iPn 03 58.10 -0.2
S.D. = 0.4 on 5 of 5 obs.

% JUN 15, 1992 10h 14m 54.09± 0.72s
39.213 N ± 7.0km 29.338 E ± 8.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

15d 10h

ALT 0.62 104 ePg 15 06.00 -0.7
DST 0.68 306 iPg 15 06.80 -0.7
eSg 15 16.80
KHL 0.90 171 ePn 15 12.00 0.6
IZI 1.13 5 iPn 15 15.10 -0.2
KCT 1.28 324 iPn 15 18.20 0.3
YLV 1.35 1 iPn 15 19.90 0.9
BNT 1.58 317 ePn 15 22.00 -0.2
S.D. = 0.8 on 7 of 7 obs.

% JUN 15, 1992 10h 22m 56.30± 0.81s
39.246 N ± 6.7km 29.478 E ± 9.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ALT 0.53 111 iPn 23 07.00 0.0
eSg 23 15.00
KHL 0.92 178 ePn 23 14.00 0.0
IZI 1.09 360 iPn 23 16.60 -0.2
YLV 1.32 357 ePn 23 21.00 0.3
KCT 1.32 320 iPn 23 20.70 0.0
S.D. = 0.2 on 5 of 5 obs.

JUN 15, 1992 10h 45m 39.86± 0.85s
44.414 N ±10.9km 10.299 E ± 6.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.7 (LDG).

MME 0.36 127 Pc 45 46.40 -1.0
eSg 45 51.70
BDI 0.41 148 P 45 47.00 -1.3
eSg 45 54.20
BOB 0.70 300 P 45 53.50 -0.3
eSg 46 05.50
PII 0.71 167 P 45 54.40 0.5
eSg 46 03.40
PGD 1.16 117 P 46 01.00 -0.6
SFI 1.22 113 P 46 03.00 0.4
CRE 1.43 123 P 46 07.30 1.4
CKI 1.45 271 P 46 06.20 0.1
PGF 2.09 207 Pn 46 18.20 2.7
SBF 2.13 256 Pn 46 15.20 -0.9
Sn 46 40.70
LPL 2.76 295 Pn 46 26.50 1.3
FRF 2.77 253 Pn 46 24.00 -1.1
Sn 46 56.70
LMR 2.95 250 Pn 46 26.20 -1.3
Sn 47 00.00
LRG 3.00 253 Pn 46 28.30 0.0
Sn 47 02.60
S.D. = 1.3 on 14 of 14 obs.

& JUN 15, 1992 10h 46m 12.59s
59.153 N 152.582 W
DEPTH = 76.4km
3.6mb (3 obs.)
SOUTHERN ALASKA (2)
<AEIC>.

AUE 0.46 297 iPd 46 25.24 -0.5
AUI 0.47 293 iPd 46 25.11 -0.8
AUP 0.48 296 iPd 46 25.49 -0.6
AUH 0.49 296 iPd 46 25.56 -0.6
AUL 0.49 298 iPd 46 25.55 -0.6
XLV 0.54 55 eP 46 25.34 -1.2
eS 46 35.46
SYI 0.55 170 iPd 46 25.95 -0.7
CDD 0.59 248 iPd 46 26.26 -0.8
HOM 0.70 43 iPd 46 27.62 -0.5
CNPM 0.78 61 iPd 46 28.36 -0.8
eS 46 40.28
IVS 0.90 344 eP 46 29.92 -0.8
eS 46 42.95
MCNL 0.90 273 iPc 46 29.73 -0.8
INE 0.94 345 iPd 46 30.19 -1.0
PDB 1.04 308 ePc 46 31.38 -0.8
NNL 1.11 36 iPd 46 33.28 0.3
RED 1.27 356 ePd 46 34.61 -0.7
eS 46 51.20
RS1 1.31 356 iPd 46 35.44 -0.5
RSO 1.32 356 iPd 46 35.42 -0.5
eS 46 52.54
RS2 1.32 356 iPd 46 35.49 -0.5
REF 1.34 357 iPd 46 35.48 -0.8
BGM 1.38 281 eP 46 35.71 -0.9
KDC 1.41 178 eP 46 36.26 -0.7
eS 46 58.63
RDT 1.43 3 iPd 46 36.66 -0.6
eS 46 55.02
DFR 1.44 358 iPd 46 37.10 -0.4
SLKM 1.81 40 eP 46 41.35 -1.0
BKG 1.93 5 iPd 46 43.86 -0.2
SPU 2.05 7 iPd 46 45.55 -0.2
CKL 2.05 3 ePd 46 45.62 -0.2
CKN 2.09 5 ePd 46 46.39 0.2
BGL 2.12 3 eP 46 46.77 0.1
CPKM 2.12 5 eP 46 45.86 -1.0
CRP 2.13 6 eP 46 45.56 -1.4
NCG 2.27 5 iPd 46 48.72 0.0
eS 47 17.42
PTE 2.48 45 ePd 46 50.14 -1.4
SVW 2.48 324 iPc 46 50.30 -1.3
SUA 2.49 21 iPd 46 51.52 -0.3
PMS 2.58 34 P 46 52.20 -0.9
PWA 2.84 27 P 46 56.20 -0.4
SKT 2.88 10 eP 46 56.66 -0.5
eS 47 31.80
PLRM 2.99 34 ePd 46 57.08 -1.5
PMR 2.99 34 ePc 46 56.64 -1.9
KNK 3.06 40 ePd 46 58.16 -1.5
GHO 3.19 33 eP 47 00.52 -1.0
MID 3.21 82 P 47 00.80 -0.9
HIN 3.32 65 eP 47 01.28 -2.0
SML 3.39 36 ePd 47 02.74 -1.6
CUT 3.45 18 eP 47 04.17 -0.9
VLZ 3.70 55 ePc 47 06.42 -2.1
CVA 3.72 65 eP 47 06.39 -2.4
SCM 3.74 42 ePd 47 07.65 -1.5
KLU 4.06 52 iPc 47 11.89 -1.8
HUR 4.10 19 eP 47 13.82 -0.3
TTA 4.14 338 eP 47 12.96 -1.8
TOA 4.33 44 P 47 16.00 -1.4
TRF 4.45 13 eP 47 17.51 -1.8
KTH 4.49 10 eP 47 18.93 -0.7
TZL 4.57 48 eP 47 19.49 -1.2
RND 4.63 21 eP 47 20.79 -0.9
SDG 4.83 42 eP 47 24.01 -0.3
MCK 4.92 19 eP 47 25.25 -0.3
GLB 4.93 59 ePc 47 23.26 -2.5
PAX 5.16 39 ePd 47 26.93 -2.1
TGL 5.16 68 eP 47 26.50 -2.6
WRG 5.43 76 eP 47 30.89 -1.9
BALM 5.46 65 eP 47 30.90 -2.4
YAH 5.61 73 eP 47 33.50 -2.0
DDM 5.65 32 P 47 36.40 0.5
NEA 5.69 15 eP 47 34.29 -2.1
WRH 5.75 20 eP 47 34.82 -2.3
SDN 5.75 232 (P) 47 35.30 -1.8
DJE 5.90 31 P 47 40.20 1.0
HDA 5.91 24 eP 47 34.24 -5.1
HDA 5.91 24 P 47 38.50 -0.9
MLY 5.96 8 eP 47 39.28 -0.9
MDM 6.17 17 eP 47 40.28 -2.8
FBA 6.19 19 ePc 47 40.36 -2.9
0.6s 26.25nm 4.8mb X
GLM 6.34 20 eP 47 42.96 -2.5
IMA 6.96 356 ePc 47 52.21 -1.8
0.7s 18.06nm 4.8mb X
PRP 7.18 24 eP 47 54.65 -2.4
ANM 8.11 317 iPc 48 08.69 -1.1
SIT 9.37 95 (P) 48 19.63 -7.3
MBC 20.73 22 eP 50 51.00 2.7
0.5s 1.00nm 3.4mb
BW06 30.99 103 eP 52 24.79 0.1
1.0s 1.17nm 3.6mb
RSSD 32.83 95 ePc 52 42.00 1.2
0.8s 2.40nm 4.1mb
SRU 33.27 108 eP 52 44.69 0.1
85 obs. associated

• JUN 15, 1992 11h 17m 40.90± 0.92s
47.298 N ±16.9km 154.043 E ±15.9km
DEPTH = 33.0km (normal)
4.6mb (7 obs.)
KURIL ISLANDS (221)

KUSJ 7.81 241 eP 19 33.30 -1.8
eS 20 56.60
ASAJ 8.59 252 P 19 56.40 10.6X
HOOJ 9.08 241 eP 19 51.90 -0.7
eS 21 29.10
FBA 35.34 39 iPc 24 33.01 -1.6
0.7s 6.84nm 4.7mb
YKA 50.10 37 eP 26 33.00 -1.3
0.7s 0.60nm 3.7mb
GUN 55.59 275 P 27 16.00 0.0
KKN 56.07 276 P 27 19.40 0.1
PKI 56.12 275 P 27 19.80 0.0
DMN 56.30 276 P 27 21.60 0.6
GKN 56.37 276 P 27 21.60 0.2
NUR 64.98 335 eP 28 19.00 -0.2
HFS 68.16 340 eP 28 39.20 -0.2
1.0s 17.30nm 5.1mb
NAO 68.19 342 P 28 39.80 0.2
0.9s 8.90nm 4.9mb
WRA 69.24 200 P 28 48.30 1.8
0.7s 0.20nm 3.3mb X
LPL 83.21 338 eP 30 05.90 0.7
0.6s 2.05nm 4.4mb
LPG 83.23 337 eP 30 06.00 0.7
0.9s 4.90nm 4.6mb
MAF 83.57 341 eP 30 08.10 1.4
0.7s 1.75nm 4.3mb
S.D. = 1.1 on 16 of 17 obs.

JUN 15, 1992 12h 09m 19.46± 0.11s
50.510 N ± 2.4km 149.630 E ± 2.2km
DEPTH = 517.5km (5 depth phases)
5.0mb (107 obs.)
SEA OF OKHOTSK (663)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 13C
Centroid Location:
Origin Time 12:09:28.7 1.4
Lat 50.64N 0.14 Lon 149.11E 0.15
Dep 508.6 7.2 Half-duration 1.4
Moment Tensor; Scale 10**16 Nm
Mrr=-3.62 0.51 Mtt= 2.35 1.02
Mff= 1.26 0.76 Mrt=-6.61 0.98
Mrf=-1.80 0.87 Mtf= 1.10 0.63
Principal Axes:
T Val= 7.23 Plg=32 Azm=159
N 0.75 5 252
P -7.97 57 349
Best Double Couple:Mo=7.6*10**16
NP1:Strike=233 Dip=13 Slip=-110
NP2: 73 77 -85

SKR 4.13 85 ePn 10 36.60 -4.1X
iS 11 39.90
OKH 5.13 309 iPnc 10 51.00 1.7
KUR 5.41 193 iPnd 10 50.00 -1.8
iS 12 03.50
YSS 5.75 235 iPnc+ 10 55.40 0.4
e 12 07.00
PET 6.14 62 iPnc 10 58.00 -0.6
eS 12 15.00
SHO 6.92 197 iPnc 11 01.20 -5.1X
eS 12 21.00
ASAJ 7.96 219 eP 11 16.20 -0.6
KUSJ 8.14 206 P 11 13.50 -5.2X
HOOJ 9.23 211 eP 11 25.90 -4.0X
MGD 9.63 4 iPnc 11 33.50 -0.6
iS 13 23.00
MRRJ 10.01 219 eP 11 36.30 -1.7
AOMJ 11.87 217 eP 11 53.70 -3.6X
eS 13 58.20
SEY 12.51 6 iPnd 12 05.00 1.1
iS 14 21.20
OFUJ 12.74 209 P 12 05.60 -0.7
eS 14 20.40
MDJ 14.74 254 eP 12 24.80 -1.8
NIIJ 15.30 214 P 12 32.10 -0.1
SMY 15.34 72 eP 12 33.30 0.8
0.7s 121.50nm 5.6mb
KAKJ 15.85 209 P 12 36.80 -0.8
YAK 15.89 324 iPd- 12 38.00 0.1
0.6s 1116.00nm 6.6mb X
iS 15 20.00
MTMJ 16.32 216 P 12 42.50 0.1
CHJJ 16.37 212 P 12 43.10 0.3
IIDJ 17.26 214 P 12 52.10 0.6
CN2 17.72 257 eP 12 55.80 0.0
1.0s 18.00nm 4.7mb
S 15 52.00
TSRJ 17.94 219 P 12 59.10 1.1
SNY 19.94 254 Pc 13 17.60 0.5
1.0s 13.00nm 4.5mb
S 16 30.00

BOD	21.80	303	iPd	13 34.20	0.1
CIT	22 46	288	eP	13 40.80	0.5
DL2	22.89	250	eP	13 43.50	-0.7
ILT	23.36	30	iPd	13 46.00	-2.1
	1.4s	85.00nm			5.2mb
			e	17 16.00	
			eS	17 20.00	
BJI	25.56	259	eP	14 07.00	-1.1
ANM	27.23	42	ePc	14 22.21	-0.4
HHC	28.02	265	eP	14 29.40	-0.4
	1.4s	32.00nm			4.7mb
ZAK	29.14	288	iPd	14 40.00	0.7
	1.0s	92.00nm			5.3mb
TIY	29.29	259	eP	14 41.00	0.2
			S	18 59.00	
TTA	31.29	46	ePd	14 57.21	-0.5
	0.6s	24.33nm			4.9mb
SVW	31.60	49	ePd	15 00.61	0.3
	0.8s	40.39nm			5.0mb
BRW	31.72	30	iPc	15 00.57	-0.5
IMA	32.25	40	iPd	15 06.10	0.3
	0.4s	118.40nm			5.8mb
			e	17 39.70	
WHN	32.98	246	ePc	15 11.50	-0.6
			PcP	17 41.00	
			ScP	20 35.50	
REF	33.10	50	eP	15 12.76	-0.3
CPKM	33.21	49	eP	15 14.74	0.7
CRP	33.25	49	ePd	15 14.71	0.5
			epP	17 03.26	
KDC	33.73	55	eP	15 16.67	-1.4
	0.4s	12.53nm			4.8mb
XAN	33.83	257	Pd	15 18.50	-0.7
	1.0s	85.00nm			5.3mb
NRI	34.15	326	iPd	15 20.70	-0.8
	0.9s	92.00nm			5.3mb
			e	16 53.00	531kmX
			ePPP	17 43.00	
UER	34.23	294	iPd	15 23.20	0.8
SLKM	34.30	50	iPd	15 22.11	-0.9
			ScP	20 39.17	
PMS	34.49	48	eP	15 24.00	-0.5
			e	17 45.20	
PMR	34.63	48	iP	15 25.10	-0.5
	0.4s	21.17nm			5.1mb
			ScP	20 41.50	
FBA	34.76	42	iPd	15 26.57	-0.1
			ScP	20 15.82	
LZH	35.71	264	iPd	15 36.00	0.9
	1.5s	99.00nm			5.2mb
			pP	17 10.00	515km
			PcP	17 49.00	
			S	20 35.00	
			ScP	20 45.00	
			ScS	24 52.00	
GTA	36.31	272	iPd	15 40.50	0.6
	1.0s	34.00nm			4.9mb
			pP	17 12.50	498kmX
			PcP	17 51.00	
			ScP	20 47.00	
			PcS	21 40.00	
			ScS	24 54.20	
BALM	37.95	47	eP	15 52.73	-0.3
			ScP	20 54.50	
CD2	39.15	258	iPd	16 03.40	0.3
	1.0s	66.00nm			5.2mb
GYA	40.54	250	P	16 14.20	-0.4
			S	21 43.00	
WMQ	41.54	286	iPd	16 23.00	0.7
	1.2s	54.00nm			5.0mb
			PP	18 06.80	
			S	22 02.00	
MBC	41.88	21	ePd	16 23.00	-1.5
	0.5s	10.00nm			4.6mb
KMI	43.90	253	Pd	16 41.50	0.2
	1.5s	160.00nm			5.3mb
LSA	47.95	267	iPd	17 12.00	-0.6
	0.7s	20.00nm			4.7mb
YKA	49.32	38	eP	17 20.70	-1.2
	0.6s	38.10nm			5.0mb
SVE	49.54	314	iPd	17 23.80	0.2
			e	19 02.00	515km
			e	19 23.00	
			e	19 55.00	
FRU	50.00	292	iPd	17 27.80	0.6
	1.6s	140.00nm			5.2mb
			e	18 34.00	315kmX

			e	24 01.00	
SHL	50.35	263	iP	17 30.00	-0.2
	0.7s	95.89nm			5.4mb
			iS	24 04.90	
ARU	50.70	314	iPd	17 32.00	-0.1
	0.5s	300.00nm			6.0mb
CHG	50.96	251	ePd	17 34.90	0.4
KSH	51.22	288	P	17 35.00	-1.4
	1.0s	100.00nm			5.2mb
			eS	24 21.00	
DAG	52.78	357	iPc	17 46.00	-1.0
	1.0s	69.00nm			4.9mb
APA	52.99	334	iPc	17 47.70	-0.9
PGC	53.22	56	eP	17 50.00	-0.5
GMW	54.24	57	eP	17 57.81	0.0
KTK1	54.45	339	iPd	17 58.25	-0.7
PNT	54.80	53	iPd	18 01.50	-0.2
	0.4s	19.00nm			4.8mb
DPW	56.44	54	iPd	18 12.75	-0.5
LAT	56.98	183	eP	18 17.50	0.5
LOF	57.23	342	iPd	18 17.04	-1.2
NDI	57.52	277	iPd	18 19.50	-1.2
	0.7s	54.79nm			5.0mb
SES	58.32	48	iPd	18 25.30	-0.7
	0.6s	57.00nm			5.1mb
LBFM	58.72	62	ePd	18 29.48	0.5
			epP	20 08.45	485kmX
KAF	59.05	333	iP	18 29.70	-1.0
	0.4s	32.30nm			5.1mb
FCC	59.37	33	iPd	18 32.90	0.1
PUL	59.63	329	ePc	18 34.00	-0.5
	1.5s	120.00nm			5.1mb
MOS	60.04	323	iPd	18 36.00	-1.3
	1.8s	230.00nm			5.3mb
			e	19 15.00	166kmX
ORV	60.14	63	ePd	18 37.47	-0.7
HNR	60.36	168	eP	18 39.00	-0.7
NUR	60.81	332	iP	18 41.20	-1.1
	0.4s	61.50nm			5.4mb
OBN	60.91	323	iPc	18 42.00	-1.0
	0.8s	100.00nm			5.3mb
HPI	61.88	55	eP	18 48.97	-0.9
ASH	62.61	297	eP	18 54.00	-0.3
QUE	62.90	285	eP	18 55.00	-1.5
MAIO	63.10	295	eP	18 57.00	-0.6
UPP	63.33	335	iP	18 57.50	-1.0
AKU	63.75	354	iP	19 01.50	0.4
	0.9s	47.06nm			5.1mb
HFS	64.11	337	eP	19 02.30	-1.2
	0.4s	133.30nm			5.9mb
NAO	64.18	339	P	19 03.20	-0.8
	0.6s	50.20nm			5.3mb
BW06	64.37	53	iPd	19 05.50	-0.3
	0.5s	8.93nm			4.6mb
DUG	64.50	57	eP	19 07.05	0.5
	0.8s	8.50nm			4.4mb
HYB	64.74	267	iPd	19 07.30	-0.9
	0.6s	56.20nm			5.3mb
MTN	65.13	200	eP	19 10.00	-0.4
ULM	65.16	40	ePd	19 10.90	0.6
DAU	65.18	56	eP	19 11.28	0.3
SUE	65.26	342	iPd	19 10.40	-0.4
KONO	65.51	339	eP	19 12.20	-0.1
GRO	65.53	309	iP	19 13.00	0.3
	1.0s	160.00nm			5.6mb
ASK	65.70	342	iPd	19 13.30	-0.2
ARUT	65.89	60	eP	19 15.71	0.5
MSU	66.06	58	iPd	19 17.14	0.8
PYA	66.31	311	iPd	19 16.00	-1.6
SRU	66.51	57	iP	19 19.20	0.1
KIV	66.56	311	iP	19 19.50	0.3
GRS	68.04	306	iPd	19 28.00	-0.3
	1.0s	80.00nm			5.3mb
COP	68.35	336	iPc	19 30.00	0.3
	0.7s	95.89nm			5.5mb
ERE	68.47	307	iP-	19 32.00	1.1
GOL	68.77	53	eP	19 32.68	-0.2
	0.8s	8.78nm			4.4mb
CTA	70.35	183	iPc	19 43.40	1.4
	0.5s	79.93nm			5.5mb
OJC	70.91	329	iPc	19 44.40	-0.6
	0.5s	66.00nm			5.4mb
			i	19 47.80	11kmX
CLI	71.27	322	iPd	19 47.00	-0.1
UZH	71.39	326	eP	19 47.50	-0.3
	0.9s	50.00nm			5.0mb
			e	20 04.50	62kmX

WB2	71.43	195	eP	19 47.90	-0.4
			i	21 38.50	523km
WRA	71.43	195	P	19 48.50	0.2
	0.6s	8.80nm			4.5mb
KSP	71.50	331	iPd	19 48.00	-0.4
	1.0s	74.00nm			5.2mb
			e	22 28.60	
SPC	71.64	328	eP	19 49.30	-0.2
ALQ	71.78	57	iP	19 51.77	1.2
	0.6s	3.69nm			4.1mb
VRI	72.05	322	ePd	19 52.00	0.3
CLL	72.07	333	iPd	19 51.10	-0.6
	1.1s	130.00nm			5.4mb
EKA	72.11	344	Pd	19 51.70	-0.2
	0.8s	21.00nm			4.7mb
BRG	72.18	332	iPd	19 51.80	-0.5
	1.1s	30.00nm			4.7mb
			i	20 00.20	27kmX
WIT	72.41	337	eP	19 55.00	1.4
MLR	72.67	322	iPd	19 56.00	0.6
KAS	72.72	315	iPd	19 57.30	1.6
PRU	72.79	332	Pd	19 55.90	0.1
	0.9s	26.40nm			4.8mb
MOX	73.06	334	ePd	19 57.30	-0.1
	1.5s	71.00nm			5.0mb
WTS	73.12	337	iPd	19 57.80	0.1
	0.8s	63.00nm			5.2mb
HOF	73.28	333	eP	19 58.50	-0.2
	0.8s	37.00nm			5.0mb
SRO	73.48	328	iP	20 00.60	0.8
ZST	73.55	329	iP	20 00.50	0.3
DZM	73.77	164	iPc	20 02.50	0.7
KHC	73.84	332	iPd	20 02.10	0.2
	1.0s	27.10nm			4.7mb
			e	20 07.50	17kmX
GRF	74.03	333	iPd	20 03.50	0.6
	1.3s	78.00nm			5.1mb
WET	74.03	332	iPd	20 03.40	0.4
	0.8s	44.00nm			5.0mb
GEC2	74.05	331	P	20 01.60	-1.6
	0.7s	12.26nm			4.5mb
DMU	74.11	346	iPc	20 03.50	0.2
UZD	74.44	327	eP	20 05.00	-0.2
EEO	74.49	32	ePd	20 05.70	0.2
MEM	74.60	337	iPd	20 05.76	-0.2
DLF	74.63	345	iPc	20 06.40	0.2
	0.8s	277.00nm			5.8mb
DCN	74.71	346	iPc	20 06.80	0.2
ASPA	75.15	195	iPc	20 10.20	0.9
	0.5s	46.70nm			5.2mb
			i	22 02.10	523km
ETA	75.16	345	eP	20 09.10	0.0
BHG	75.30	331	iPd	20 10.70	0.7
	0.7s	25.00nm			4.8mb
FUR	75.39	333	iPd	20 11.00	0.6
ECB	75.57	345	eP	20 11.50	0.2
ECP	75.69	345	eP	20 12.20	0.3
KBA	75.73	331	iPd	20 12.70	0.1
	0.8s	109.00nm			5.4mb
			epP	22 03.00	512km
PTJ	75.94	329	eP	20 13.40	-0.2
WATA	76.04	332	iPd	20 14.60	0.4
WTTA	76.09	332	iPd	20 15.10	0.6
	0.6s	68.50nm			5.3mb
SQTA	76.26	332	iPd	20 15.70	0.3
	0.9s	56.20nm			5.0mb
CDF	76.29	335	P	20 15.37	-0.1
SIO	76.36	50	iPd	20 16.20	0.2
LIBD	76.44	335	P	20 16.23	0.1
TUL	76.48	49	iPd	20 16.80	0.2
	0.3s	23.00nm			5.1mb
VOY	76.49	330	eP	20 16.10	-0.5
ECH	76.50	335	P	20 16.52	0.0
VBY	76.52	329	eP	20 16.60	0.0
SLE	76.54	334	ePd	20 16.70	-0.1
FEL	76.58	335	P	20 16.83	-0.3
CEY	76.58	330	eP	20 16.40	-0.6
VITF	76.81	336	P	20 18.25	0.0
TRI	76.82	330	eP	20 17.00	-1.3
ZLA	76.83	334	ePd	20 18.70	0.3
MOF	76.84	335	P	20 18.25	-0.3
CCM	76.87	45	iPd	20 18.76	0.0
	0.7s	26.70nm			4.8mb
BSF	76.95	335	iPd	20 18.60	-0.5
	1.0s	39.40nm			4.8mb
VVO	76.96	50	iPd	20 19.70	0.4
PLE	76.98	325	iPd	20 19.70	0.3

15d 12h

OSS 77.05 333 ePd 20 20.30 0.5
BBS 77.09 335 P 20 19.79 0.0
IVA 77.19 325 iPd 20 20.51 0.0
LLS 77.22 333 ePd 20 20.80 0.1
FVM 77.30 45 iPd 20 20.66 -0.4
0.5s 67.77nm 5.3mb
LOMF 77.38 335 P 20 21.24 -0.2
SKO 77.38 323 iP 20 21.60 0.2
1.0s 52.00nm 4.9mb
PVY 77.40 324 iPd 20 21.39 -0.3
VDL 77.43 333 ePd 20 22.40 0.5
VAY 77.50 322 iPd 20 22.40 0.4
1.0s 118.00nm 5.3mb
NKY 77.57 325 iPd 20 21.69 -0.9
BRY 77.66 325 iPd 20 22.05 -1.0
TTG 77.81 325 iPd 20 23.04 -0.6
FLN 77.83 340 iPd 20 23.70 0.0
0.8s 37.75nm 4.9mb
LDF 77.92 340 iPd 20 24.00 -0.2
0.9s 23.10nm 4.6mb
TMA 77.95 333 ePd 20 24.60 0.0
HCY 78.07 325 iPd 20 23.74 -1.4
BDV 78.10 325 iPd 20 23.90 -1.3
VAI 78.20 333 P 20 26.00 0.4
ULC 78.22 325 iPd 20 24.31 -1.6
LOR 78.23 337 iPd 20 25.70 -0.2
0.6s 52.85nm 5.1mb
HRI 78.25 309 iPd 20 26.90 0.5
MMK 78.26 334 ePd 20 27.10 0.8
GRR 78.27 340 iPd 20 26.20 0.2
0.6s 29.85nm 4.9mb
OHR 78.37 323 eP 20 26.20 -0.6
0.8s 82.00nm 5.2mb
DIX 78.39 334 ePd 20 27.70 0.6
LBF 78.46 337 iPd 20 27.00 -0.1
0.5s 16.25nm 4.7mb
SSF 78.51 337 iPd 20 27.40 0.1
0.8s 42.85nm 4.9mb
EMS 78.53 335 ePd 20 28.00 0.3
ORO 78.64 334 P 20 28.30 0.1
LPF 78.65 340 iPd 20 28.50 0.5
0.9s 60.45nm 5.0mb
AVF 78.80 337 iPd 20 29.10 0.3
0.7s 36.05nm 4.9mb
SMF 78.81 337 iPd 20 29.20 0.3
0.7s 57.10nm 5.1mb
BNH 78.84 28 eP 20 29.05 -0.1
OLY 78.86 47 iP 20 29.13 -0.2
BOB 79.00 332 Pd 20 30.40 0.4
SFI 79.03 330 P 20 31.50 1.5
ARV 79.06 329 P 20 30.90 0.6
LPL 79.09 334 iPd 20 31.40 0.7
0.6s 28.50nm 4.9mb
LPG 79.10 334 iPd 20 31.60 0.7
0.7s 34.40nm 4.9mb
PGD 79.11 330 P 20 31.85 1.1
0.7s 59.00nm 5.1mb
BGF 79.14 337 iPd 20 30.80 0.1
0.8s 27.95nm 4.7mb
MME 79.14 331 P 20 32.04 1.0
1.0s 97.90nm 5.2mb
BDI 79.29 331 P 20 32.40 0.8
FIR 79.34 331 e(P) 20 20.00 -11.7X
LMN 79.49 24 iPd 20 33.90 1.4
PLDF 79.50 337 P 20 33.31 0.7
MAF 79.52 337 iPd 20 33.50 0.8
0.7s 77.60nm 5.2mb
ASS 79.53 329 P 20 33.20 0.4
BNI 79.53 334 P 20 34.00 1.1
AGO 79.54 337 P 20 33.72 0.9
TCF 79.55 338 iPd 20 33.30 0.5
0.9s 56.00nm 5.0mb
GRN 79.61 335 P 20 34.29 1.0
CKI 79.66 333 P 20 33.30 0.0
LSF 79.75 338 iPd 20 34.30 0.5
0.8s 54.55nm 5.0mb
DSI 79.80 308 iPd 20 34.90 0.6
EMM 79.80 26 iPd 20 34.00 -0.1
MFF 79.80 339 iPd 20 34.70 0.6
0.5s 24.65nm 4.9mb
PYM 79.85 337 P 20 35.25 0.8
AOU 79.93 329 P 20 35.90 1.0
SURF 80.02 334 P 20 36.12 0.6
SDI 80.37 328 P 20 37.10 -0.1
SBF 80.41 333 iPd 20 37.00 -0.4
0.6s 28.15nm 4.9mb
ARMA 80.59 178 eP 20 40.00 1.7
HRV 80.63 30 iP 20 38.87 0.4
0.9s 39.28nm 4.9mb
RJF 80.64 338 iPd 20 39.10 0.6
1.0s 58.40nm 5.0mb
RFI 80.67 328 P 20 39.52 0.9
1.5s 152.90nm 5.3mb
CAF 80.86 337 iPd 20 40.70 1.0
0.5s 19.60nm 4.9mb
FRF 80.92 334 iPd 20 39.80 -0.1
1.2s 42.85nm 4.8mb
TBR 80.99 32 eP 20 39.77 -0.5
(pP) 22 24.23 470kmX
LRG 81.09 334 iPd 20 41.00 0.2
0.6s 15.85nm 4.7mb
PGF 81.15 332 iPd 20 41.00 -0.3
0.9s 21.45nm 4.7mb
MGR 81.16 326 P 20 40.60 -0.6
LMR 81.16 334 iPd 20 41.40 0.2
1.0s 46.20nm 5.0mb
LFF 81.17 338 iPd 20 42.10 0.9
0.7s 80.90nm 5.4mb
TDS 81.30 325 P 20 42.50 0.5
LPO 81.30 338 iPd 20 42.70 0.8
0.7s 41.35nm 5.1mb
MBH 81.50 307 iPd 20 43.80 0.5
CMS 81.70 183 eP 20 45.00 1.1
NAV 81.94 38 iPd 20 45.24 0.0
GRI 82.01 325 P 20 46.00 0.4
0.4s 27.50nm 5.1mb
TKL 82.15 41 eP 20 46.13 -0.2
CVL 82.26 36 eP 20 47.21 0.4
STK 82.34 187 eP 20 47.90 0.9
1.0s 2.90nm 3.8mb X
SOI 82.80 325 P 20 49.30 -0.2
LESF 82.83 337 P 20 50.45 0.8
GRBF 82.95 337 P 20 51.15 0.8
EPF 83.06 338 iPd 20 51.30 0.4
0.5s 15.25nm 4.8mb
CEH 83.85 38 iPd 20 54.88 0.1
0.7s 63.45nm 5.3mb
PRM 84.09 41 eP 20 56.36 0.3
PZI 84.14 325 P 20 56.33 0.0
0.7s 38.50nm 5.1mb
JSC 84.38 40 iPd 20 57.26 -0.2
LHS 84.39 40 eP 20 57.40 -0.1
BCAO 111.06 306 iPKPd 26 55.20 0.1
0.4s 8.00nm
i 27 40.20
TIC 118.99 331 PKP 27 09.10 -1.2
KIC 119.17 331 PKP 27 09.40 -1.2
0.5s 0.50nm
LIC 119.39 331 PKP 27 10.00 -1.0
CNCB 134.88 56 PKP 27 42.70 1.4
i 30 24.10
SIV 137.62 47 PKP 27 45.60 -0.2
PPD 147.17 38 ePKP 28 05.40 3.3X
S.D. = 0.7 on 268 of 275 obs.

% JUN 15, 1992 14h 04m 06.77± 0.87s
42.918 N ± 7.2km 11.496 E ±10.0km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

MAO 0.56 207 Pc 04 18.20 0.0
CRE 0.78 25 Pc 04 21.90 -0.2
ASS 0.87 79 P 04 23.00 -0.5
PGD 0.97 10 P 04 25.50 0.2
eSg 04 38.30
SFI 1.04 14 P 04 26.10 -0.2
eSg 04 40.40
ARV 1.21 61 P 04 30.00 0.7
S.D. = 0.6 on 6 of 6 obs.

• JUN 15, 1992 14h 16m 50.06± 0.45s
60.774 S ± 7.2km 154.040 E ±10.8km
DEPTH = 33.0km (normal)
5.2mb (12 obs.) 5.1Msz (2 obs.)
WEST OF MACQUARIE ISLAND (701)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 66C
Centroid Location:
Origin Time 14:16:52.0 0.2
Lat 61.27S 0.03 Lon 153.35E 0.06
Dep 15.0 FIX Half-duration 2.6
Moment Tensor; Scale 10**17 Nm
Mrr=-0.43 0.08 Mtt= 3.33 0.11
Mff=-2.90 0.09 Mrt= 1.46 0.15
Mrf=-0.09 0.17 Mtf=-2.55 0.09
Principal Axes:
T Val= 4.63 Plg=16 Azm= 19
N -0.77 73 225
P -3.86 7 111
Best Double Couple:Mo=4.2*10**17
NP1:Strike=156 Dip=74 Slip= 6
NP2: 64 84 164

MCQ 6.82 25 eP 18 29.10 -1.2
DRV 8.57 220 P 18 48.60 -6.0X
SBA 17.65 171 ePc 20 47.30 -7.2X
ODZ 18.57 39 eP 21 05.90 -0.1
BWZ 18.81 37 P 21 08.80 -0.1
EWZ 20.02 38 eP 21 23.30 0.8
DSZ 21.92 38 eP 21 41.50 -0.5
TOO 23.85 343 iPd 22 02.30 1.5
1.0s 127.00nm 5.4mb
i 22 10.60
BFD 24.72 338 iPd 22 10.00 0.7
1.0s 91.00nm 5.3mb
CNB 25.65 351 eP 22 19.00 0.8
i 22 21.50
ADE 27.65 332 iPd 22 36.90 0.4
1.1s 88.61nm 5.4mb
SPA 29.39 180 iPd 22 49.90 -2.2
0.8s 90.83nm 5.6mb
Z 18s 4.30um 5.1Msz
STK 30.04 339 eP 22 57.90 0.0
0.8s 6.10nm 4.5mb
ARMA 30.40 356 eP 23 02.50 1.3
RMQ 34.46 352 eP 23 36.00 -0.6
1.0s 78.00nm 5.6mb
MAW 36.78 220 eP 23 57.00 1.3
1.0s 25.00nm 5.0mb
Z 16s 7.00um 5.5MszX
e(PP) 25 13.00
WARB 39.29 319 eP 24 16.00 -1.3
ASPA 39.62 330 iPc 24 19.10 -1.0
1.1s 26.60nm 4.9mb
eS 29 40.60
DZM 39.64 18 iPc 24 20.00 -0.2
CTA 41.02 349 iPd 24 33.90 2.4
1.0s 150.00nm 5.7mb
eS 30 53.90
WB2 43.10 332 eP 24 47.00 -1.6
WRA 43.10 332 P 24 47.70 -0.9
0.6s 3.50nm 4.3mb
MBL 46.25 313 iPd 25 12.90 -0.8
0.9s 35.00nm 5.3mb
MTN 50.70 331 eP 25 47.00 -1.2
HNR 51.43 7 eP 25 54.00 0.2
PMG 51.52 351 eP 25 53.00 -1.4
CRZF 56.11 235 eP 26 37.00 9.0X
ePP 28 50.00
eS 34 34.00
eSS 38 05.00
eSSS 39 56.00
FRS 80.61 223 eP 29 01.50 1.1
SEK 81.12 226 eP 29 05.00 1.6
0.7s 10.27nm 4.9mb
PRY 82.45 226 eP 29 10.50 0.2
SLR 83.25 227 eP 29 13.60 -0.8
KSR 83.62 226 eP 29 16.00 -0.4
CHG 90.76 309 eP 29 52.00 1.3
CNCB 95.67 140 P 30 14.00 -0.2
LPB 95.89 140 (P) 30 27.00 12.0X
LR 03 10.00
MSU 124.45 72 ePKP 35 50.35 3.6X
SRU 125.70 73 ePKP 35 51.86 2.7X
OLY 132.05 91 ePKP 36 02.81 1.8
IMA 132.30 26 (PKP) 36 03.80 3.0X
VAY 144.88 259 iPKP 36 21.70 -2.5
OHR 145.56 257 ePKP 36 07.20 -18.3X
SKO 145.92 258 iPKP 36 24.00 -2.0
VRI 146.22 268 ePKPd 36 25.50 -0.9
FCC 147.02 63 ePKP 36 30.50 3.3X
MBC 147.03 26 ePKP 36 28.00 1.2
1.0s 12.00nm
OBN 147.46 289 ePKP 36 30.00 2.0
1.8s 120.00nm
Z 20s 0.30um 5.1Msz
e 59 40.00
e 04 28.00
OJC 152.58 268 ePKP 36 44.00 8.0X
LMN 152.91 106 ePKP 36 45.00 8.4X

GEC2 154.65 260 PKP 36 40.20 1.2
0.8s 0.63nm
S.D. = 1.3 on 38 of 49 obs.

? JUN 15, 1992 15h 03m 50.87± 5.20s
42.853 N ±12.3km 13.554 E ±43.1km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS 0.69 289 P 04 04.50 -0.1
eSg 04 15.50
ARV 0.78 325 Pc 04 05.20 -1.0
MNS 0.80 234 P 04 06.00 -0.4
RSM 1.34 324 P 04 16.30 0.8
CRE 1.40 304 P 04 17.00 0.4
SFI 1.64 311 P 04 19.50 -0.2
PGD 1.68 308 P 04 19.50 -1.1
eSg 04 41.70
S.D. = 0.8 on 7 of 7 obs.

JUN 15, 1992 15h 14m 27.97± 2.92s
39.110 N ±25.6km 27.629 E ± 8.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.92 57 iPn 14 46.00 0.4
eSg 15 00.00
EZN 1.24 306 ePn 14 51.00 0.1
BNT 1.26 10 iPn 14 51.50 0.0
KCT 1.27 26 iPn 14 51.50 0.0
IZI 1.88 49 ePn 15 00.00 -0.5
S.D. = 0.4 on 5 of 5 obs.

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* JUN 15, 1992 16h 16m 08.62± 0.94s
31.176 S ± 9.6km 179.975 E ±16.1km
DEPTH = 378.2 ± 11.1 km
4.2mb (4 obs.)
KERMADEC ISLANDS REGION (177)

RAO 2.65 44 P 17 06.40 -1.2
eS 17 42.00
HBZ 6.55 192 eP 17 49.50 2.3
S 19 12.30
KUZ 6.58 211 P 17 54.90 7.3X
WCZ 6.68 223 P 17 56.50 7.8X
PUZ 7.02 191 P 17 53.90 1.3
S 19 21.30
WLZ 7.59 207 P 18 04.20 5.0X
NOZ 7.59 192 eP 18 00.80 1.6
TAZ 7.60 201 eP 18 04.60 5.4X
UTU 7.65 203 eP 18 04.60 4.8X
WHH 8.20 199 P 18 08.20 1.8
MOZ 8.46 209 eP 18 15.10 5.9X
TTH 8.73 196 P 18 14.60 2.1
WAHZ 9.00 198 eP 18 16.50 0.8
BSZ 9.53 204 eP 18 25.60 3.7X
PGZ 9.89 197 eP 18 26.30 0.2
MNG 10.10 200 eP 18 26.40 -2.3
eS 20 22.70
KIW 10.50 202 eP 18 33.20 -0.2
CAW 10.67 200 eP 18 34.10 -1.4
MRW 10.90 201 eP 18 36.90 -1.2
eS 20 40.40
WEL 10.93 201 eP 18 39.20 0.7
TCW 11.02 203 eP 18 38.10 -1.5
ORZ 11.36 210 eP 18 43.00 -0.6
THZ 12.00 206 eP 18 50.60 -0.6
eS 21 03.00
KHZ 12.34 203 eP 18 53.10 -2.1
S 21 09.10
DSZ 12.42 210 eP 18 55.10 -1.1
LTZ 13.11 206 eP 19 03.30 -0.8
MOZ 13.79 203 eP 19 10.30 -0.9
eS 21 38.00
DZM 15.11 304 iPc 19 25.30 -0.2
TOO 29.06 248 eP 21 40.00 2.5
CTA 32.23 282 eP 22 07.30 2.3
0.4s 81.36nm 5.4mb X
STK 32.61 259 iPc 22 09.60 1.4
0.6s 5.10nm 4.0mb
ASPA 41.34 269 iPc 23 19.90 -0.8
0.6s 8.40nm 4.2mb
WB2 42.39 274 iPd 23 27.80 -1.4
eS 29 21.70
WRA 42.40 274 P 23 28.40 -0.8
0.5s 8.60nm 4.3mb
FORT 44.17 256 eP 23 42.30 -0.8
SPA 58.99 180 iPc 25 31.90 0.1
1.1s 17.86nm 4.4mb
KAF 144.67 339 iPKP 34 57.50 -3.9X
0.6s 5.60nm
NUR 146.41 338 ePKP 35 03.30 -1.0
0.4s 3.70nm
NB2 149.22 349 PKP 35 10.10 1.3X
0.6s 0.60nm
HFS 149.62 346 ePKP 35 10.00 0.7
0.4s 0.80nm
PRG 164.54 324 PKP 35 29.10 1.1
S.D. = 1.4 on 32 of 41 obs.

& JUN 15, 1992 16h 34m 47.95s
59.534 N 153.764 W
DEPTH = 118.7km
SOUTHERN ALASKA (2)
<AEIC>.

AUL 0.23 132 iP 35 04.10 0.9
AUH 0.24 136 eP 35 04.36 1.1
AUP 0.25 134 eP 35 04.09 0.8
AUI 0.26 139 eP 35 04.00 0.7
eS 35 16.51
AUE 0.27 131 eP 35 04.09 0.8
PDB 0.33 320 eP 35 04.35 -0.8
eS 35 17.15
MCNL 0.46 220 iP 35 04.89 -0.9
eS 35 18.10
CDD 0.61 174 iP 35 05.86 -0.9
eS 35 19.77
INW 0.62 31 eP 35 06.14 -0.8
eS 35 20.21
INE 0.64 34 eP 35 06.58 -0.6
eS 35 20.99
RED 1.02 29 eP 35 09.47 -1.0
eS 35 26.23
RS1 1.06 28 eP 35 10.14 -0.8
eS 35 27.34
RS2 1.06 28 eP 35 09.75 -1.3
eS 35 27.12
RSO 1.06 28 eP 35 10.11 -0.9
eS 35 26.64
HOM 1.09 82 eP 35 10.30 -0.7
eS 35 27.68
REF 1.10 29 eP 35 09.79 -1.6
iSg 35 27.53
SYI 1.17 142 eP 35 10.41 -1.5
S 35 27.35
DFR 1.19 27 iP 35 11.31 -1.0
eS 35 29.51
RDT 1.25 33 eP 35 11.72 -1.1
CNPM 1.29 89 iP 35 11.77 -1.5
eS 35 30.16
NNL 1.35 67 eP 35 13.85 -0.1
BKG 1.71 25 iP 35 17.32 -1.0
CKL 1.81 22 iP 35 18.70 -0.9
SVW 1.83 330 P 35 19.20 -0.5
SPU 1.86 26 eP 35 18.75 -1.3
BGL 1.86 21 eP 35 19.50 -0.7
CPKM 1.89 23 eP 35 19.66 -1.0
KDC 1.91 159 (P) 35 19.85 -0.8
CRP 1.91 24 P 35 20.00 -0.9
SLKM 2.03 60 eP 35 21.17 -1.0
eS 35 45.38
NCG 2.04 22 eP 35 22.52 0.1
SUA 2.45 36 eP 35 26.44 -1.2
SKT 2.69 23 eP 35 29.59 -1.2
PMS 2.70 49 P 35 29.20 -1.8
PTE 2.72 59 eP 35 29.09 -2.0
PLRM 3.08 46 eP 35 33.82 -2.1
KNK 3.23 52 eP 35 35.89 -2.1
GHO 3.27 45 eP 35 35.74 -2.9
CUT 3.35 29 eP 35 38.17 -1.3
SML 3.51 47 eP 35 38.81 -3.0
VLZ 4.03 63 eP 35 47.58 -1.1
CVA 4.15 72 eP 35 48.18 -2.1
TRF 4.27 21 eP 35 50.48 -1.7
43 obs. associated

? JUN 15, 1992 17h 01m 46.42± 0.98s
44.361 N ± 8.6km 7.343 E ± 8.5km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.4 (GEN).

STV 0.12 187 P 01 48.92 0.0
S 01 50.55
ENR 0.15 157 P 01 49.53 0.1
S 01 51.64
PZZ 0.23 310 P 01 51.07 0.0
S 01 53.94
ROB 0.38 100 P 01 54.14 0.0
S.D. = 0.1 on 4 of 4 obs.

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* JUN 15, 1992 18h 00m 46.67± 1.15s
17.560 N ±13.0km 121.685 E ±17.7km
DEPTH = 33.0km (normal)
4.9mb (3 obs.)
LUZON, PHILIPPINE ISLANDS (249)

PIP 1.27 307 iPd 01 09.40 1.2
BCP 1.53 222 eP 01 13.80 1.8
eS 01 32.00
TGY 3.51 192 eP 01 52.00 11.7X
PGP 4.10 190 eP 01 35.50 -13.1X
CHTO 21.64 277 P 05 37.00 0.7
1.8s 26.41nm 4.4mb
BJI 22.90 349 eP 05 51.00 2.4
GUN 34.48 294 P 07 32.80 -1.4
0.8s 16.00nm 5.0mb
PKI 34.84 293 P 07 36.20 -1.1
KKN 34.98 293 P 07 37.60 -0.8
1.0s 22.00nm 5.0mb
DMN 35.11 293 P 07 38.20 -1.3
GKN 35.58 294 P 07 42.40 -1.0
WRA 39.29 161 P 08 14.80 0.5
0.8s 0.40nm 3.2mb X
WB2 39.29 161 eP 08 13.40 -1.0
S.D. = 1.5 on 11 of 13 obs.

? JUN 15, 1992 18h 25m 34.97± 5.15s
15.824 N ±20.0km 60.759 W ±41.1km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)
ML 2.5 (FDF).

MGG 0.54 280 eP 25 46.70 0.5
S 25 55.20
DEG 0.57 329 eP 25 46.57 0.0
S 25 55.00
BBL 0.75 247 eP 25 49.14 0.0
S 25 59.10
DOG 0.85 284 iPc 25 50.49 -0.1
PAG 0.91 283 eP 25 51.06 -0.4
S 26 02.20
S.D. = 0.4 on 5 of 5 obs.

% JUN 15, 1992 18h 29m 27.78± 0.89s
40.770 N ± 6.4km 27.441 E ± 7.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EDC 0.53 143 iPg 29 38.00 -0.5
eSg 29 47.00
BNT 0.55 138 iPg 29 39.00 0.0
KCT 0.87 126 iPg 29 43.50 -1.0
iSg 29 56.00
DMK 1.08 13 iPg 29 47.90 -0.1
iSg 30 02.20
EZN 1.27 223 iPn 29 51.20 -0.2
DST 1.48 142 iPn 29 55.80 1.3
YLV 1.48 97 ePn 29 55.00 0.4
IZI 1.61 105 iPn 29 57.00 0.6
HRT 1.69 88 ePn 29 57.00 -0.5
S.D. = 0.8 on 9 of 9 obs.

% JUN 15, 1992 19h 07m 19.50± 0.86s
39.847 N ± 9.0km 16.199 E ± 7.8km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

CSI 0.10 135 P 07 21.90 -0.3
MMN 0.17 285 P 07 22.10 -1.2
eSg 07 24.90
TDS 0.22 150 P 07 24.60 0.4
eSg 07 27.90
ORI 0.29 42 P 07 25.40 -0.2
eSg 07 31.80
MGR 0.57 301 P 07 32.40 1.3
eSg 07 38.80
S.D. = 1.3 on 5 of 5 obs.

JUN 15, 1992 19h 46m 42.52± 0.29s

15d 19h

31.454 N ± 5.0km 142.019 E ± 6.6km
DEPTH = 33.0km (normal)
4.9mb (32 obs.) 4.3Msz (1 obs.)
SOUTH OF HONSHU, JAPAN (211)

MDJ 16.36 327 eP 50 31.30 0.1
1.0s 18.00nm 4.2mb
CN2 17.96 318 Pc 50 51.40 0.2
Z 16s 0.59um
N 14s 0.49um
E 14s 0.34um
pP 50 57.00
GUMO 17.97 171 eP 50 53.10 1.5
0.6s 123.00nm 5.2mb
PJG 17.97 171 eP 50 53.10 1.5
SNY 18.03 310 Pc 50 52.80 0.8
0.8s 15.00nm 4.2mb
GUA 18.03 171 eP 50 53.40 1.2
NJ2 19.71 278 Pc 51 12.00 -0.1
BJI 22.60 299 eP 51 41.50 0.1
1.2s 36.00nm 4.7mb
Z 16s 0.58um 4.1MszX
TIY 25.08 293 Pd 52 06.50 0.9
HHC 26.21 299 P 52 16.20 0.1
0.8s 24.00nm 4.9mb
Z 18s 0.85um 4.3Msz
E 13s 0.75um
BTO 27.32 298 eP 52 26.00 -0.3
N 12s 0.23um
E 15s 0.44um
XAN 27.89 284 Pc 52 30.50 -1.0
0.6s 32.00nm 5.2mb
GTA 35.04 295 eP 53 34.00 -0.4
1.2s 9.00nm 4.6mb
CHG 40.73 262 eP 54 22.30 0.2
0.9s 14.50nm 4.7mb
WMQ 44.02 302 iPc 54 50.50 1.7
1.0s 28.00nm 5.0mb
MTN 45.27 195 eP 54 57.50 -1.3
GUN 48.46 281 P 55 23.60 -0.8
PKI 48.96 281 P 55 27.60 -0.6
1.0s 28.00nm 5.2mb
KKN 49.00 281 P 55 28.00 -0.4
1.1s 81.00nm 5.7mb
DMN 49.20 281 P 55 29.60 -0.4
GKN 49.47 282 P 55 31.00 -0.9
0.9s 39.00nm 5.4mb
WB2 51.63 189 iPc 55 46.40 -1.7
WRA 51.63 189 P 55 46.80 -1.3
0.4s 13.10nm 5.2mb
ASPA 55.36 189 iPc 56 14.00 -1.6
0.5s 18.20nm 5.4mb
NDI 55.42 285 eP 56 16.00 -0.1
0.5s 47.89nm 5.8mb
WARB 59.17 196 iPc 56 42.20 -0.3
0.5s 10.00nm 5.2mb
MBC 61.74 16 eP 56 59.00 -0.5
QUE 63.23 290 eP 57 12.00 1.8
MAIO 66.68 299 eP 57 34.00 1.6
YKA 68.40 29 eP 57 40.80 -1.9
0.8s 1.20nm 4.0mb
TOO 68.74 177 eP 57 45.00 0.0
KAF 73.51 334 iP 58 13.10 -0.3
0.6s 6.40nm 4.8mb
NEW 73.82 43 ePc 58 16.10 0.6
1.0s 4.75nm 4.4mb
NUR 75.12 333 eP 58 22.50 -0.2
0.7s 5.30nm 4.6mb
LRM 77.81 44 eP 58 38.00 -0.4
HFS 79.38 336 eP 58 45.50 -0.9
0.5s 1.50nm 4.2mb
NB2 79.53 338 P 58 47.00 -0.2
0.9s 6.60nm 4.6mb
OJC 83.96 327 eP 59 11.30 0.8
PV10 84.09 48 P 59 11.60 -0.1
KSP 85.11 329 eP 59 14.00 -2.3
i 59 17.30
CLL 86.19 331 eP 59 22.00 0.4
GEC2 87.72 329 P 59 28.90 -0.3
0.5s 0.55nm 4.1mb
CDF 90.78 332 eP 59 43.70 0.0
0.7s 1.85nm 4.5mb
LBF 93.25 333 eP 59 54.90 -0.1
LPL 93.31 330 eP 59 55.90 0.3
0.7s 7.95nm 5.3mb
LPG 93.32 330 eP 59 56.00 0.3
0.6s 7.95nm 5.3mb
SSF 93.37 333 eP 59 55.80 0.3
0.7s 3.75nm 4.9mb
SMF 93.58 333 eP 59 56.60 0.1
0.7s 3.10nm 4.8mb
AVF 93.65 333 eP 59 57.00 0.2
0.7s 5.50nm 5.1mb
MAF 94.43 333 eP 00 01.00 0.6
0.6s 1.25nm 4.5mb
TCF 94.51 333 eP 00 01.10 0.3
0.7s 2.75nm 4.8mb
LSF 94.80 334 eP 00 02.40 0.3
0.8s 3.75nm 4.9mb
LPB 148.86 69 ePKP 06 30.00 4.6X
CNCB 149.11 69 PKP 06 28.00 2.1
S.D. = 1.0 on 53 of 54 obs.

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* JUN 15, 1992 19h 49m 38.91± 0.93s
6.847 N ±19.1km 72.986 W ±15.8km
DEPTH = 169.5 ± 12.3 km
3.9mb (1 obs.)
NORTHERN COLOMBIA (99)

BMG 0.24 338 eP 50 02.00 -1.2
BOG 2.46 206 eP 50 22.00 0.7
eS 50 52.00
SDV 3.09 49 iPnd 50 30.40 1.5
iSn 51 08.10
TOV 4.30 47 ePnc 50 45.50 1.2
iSn 51 35.30
CEOS 5.09 64 eP 50 54.50 -0.2
iS 51 49.00
MORO 6.11 49 eP 51 08.00 -0.2
OLLA 6.88 62 iP 51 17.80 -0.7
GUAN 7.89 66 iP 51 31.00 -0.9
eS 52 59.30
YKA 63.29 340 eP 59 51.20 -0.2
0.6s 1.00nm 3.9mb
WB2 150.45 241 iPKPd 09 12.60 5.6X
WRA 150.46 241 PKP 09 13.10 6.1X
0.5s 0.60nm
S.D. = 1.2 on 9 of 11 obs.

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* JUN 15, 1992 20h 16m 06.28± 3.12s
36.951 N ±23.3km 21.053 E ±16.6km
DEPTH = 33.0km (normal)
SOUTHERN GREECE (368)

SRN 3.04 345 ePn 17 08.30 15.2X
LSK 3.21 354 ePn 17 00.80 5.1X
iSn 17 51.50
TPE 3.44 347 ePn 17 06.30 7.5X
VLO 3.72 341 ePn 17 14.30 11.6X
SOI 4.13 287 P 17 08.40 -0.2
eSn 17 46.60
LCI 4.16 325 P 17 07.50 -1.5
eSn 17 47.10
OHR 4.16 357 ePn 17 10.00 0.9
ROI 4.39 308 P 17 12.80 0.4
TIR 4.49 349 ePn 17 14.50 0.8
CZI 4.49 302 P 17 14.40 0.6
VAY 4.52 15 iPn 17 14.00 -0.2
TDS 4.59 308 P 17 15.40 0.2
ATN 4.60 287 P 17 15.10 -0.3
eSn 17 57.90
CSI 4.69 308 P 17 18.40 1.8
LACI 4.79 348 ePn 17 17.50 -0.5
MEU 4.90 274 P 17 19.40 -0.3
eSn 18 08.40
BRT 4.94 324 P 17 18.70 -1.4
eSn 18 10.00
SKO 5.02 3 ePn 17 21.00 -0.3
eSn 18 18.80
SDA 5.20 347 ePn 17 27.60 3.9X
MGR 5.36 308 P 17 25.40 -0.6
SGO 5.76 310 P 17 31.80 0.2
S.D. = 0.9 on 16 of 21 obs.

JUN 15, 1992 20h 30m 38.21± 0.66s
40.234 N ± 7.9km 27.586 E ± 5.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EDC 0.24 62 iPg 30 42.00 -1.3
BNT 0.28 64 iPg 30 44.00 -0.2
KCT 0.59 88 iPn 30 49.50 -0.7
iSg 30 58.50
DST 1.02 128 iPn 30 58.20 0.7
EZN 1.05 248 iPn 30 56.40 -1.6
YLV 1.40 76 ePn 31 03.00 -0.9
IZI 1.45 85 iPn 31 04.00 -0.5
GBZT 1.52 68 ePn 31 07.00 1.5
iSg 31 29.40
HRT 1.69 69 iPn 31 08.20 0.2
IZM 1.85 188 iPn 31 11.70 1.4
GPA 2.08 88 ePn 31 13.00 -0.7
ALT 2.28 120 ePn 31 17.00 0.5
VAY 3.96 288 ePn 31 39.50 -0.8
MLR 5.39 348 ePc 32 03.00 2.3
S.D. = 1.3 on 14 of 14 obs.

? JUN 15, 1992 20h 33m 32.95± 6.98s
40.543 N ±25.7km 27.750 E ±41.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EDC 0.21 156 iPg 33 37.50 -0.1
iSg 33 42.50
BNT 0.23 145 iPg 33 38.00 0.1
iSg 33 43.00
KCT 0.55 122 iPg 33 44.00 -0.1
iSg 33 53.00
YLV 1.24 88 ePn 33 56.00 0.0
S.D. = 0.2 on 4 of 4 obs.

JUN 15, 1992 20h 39m 11.31± 0.10s
0.073 S ± 2.5km 123.030 E ± 3.2km
DEPTH = 127.9km (geophysicist)
5.9mb (112 obs.)
MINAHASSA PENINSULA, SULAWESI (265)
Depth from broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 22 Dip=58 Slip= 90
NP2: 202 32 90
Principal Axes:
T Plg=77 Azm=292
P 13 112
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 12 Focal mech. M
Energy 4.6±1.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 123 No. of sta: 15
Moment Tensor; Scale 10**17 Nm
Mrr= 4.67 Mtt=-0.39
Mff=-4.28 Mrt= 0.72
Mrf= 1.32 Mtf=-1.31
Principal axes:
T Val= 4.91 Plg=81 Azm=309
N -0.01 3 198
P -4.91 9 107
Best Double Couple:Mo=4.9*10**17
NP1:Strike=193 Dip=36 Slip= 84
NP2: 20 54 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, 75C
Centroid Location:
Origin Time 20:39:16.1 0.3
Lat 0.25N 0.03 Lon 123.35E 0.03
Dep 126.9 1.1 Half-duration 3.0
Moment Tensor; Scale 10**17 Nm
Mrr= 5.11 0.13 Mtt=-0.58 0.17
Mff=-4.53 0.22 Mrt= 0.81 0.12
Mrf= 0.55 0.13 Mtf=-2.13 0.16
Principal Axes:
T Val= 5.23 Plg=83 Azm=347
N 0.29 6 204
P -5.52 4 114
Best Double Couple:Mo=5.4*10**17
NP1:Strike=197 Dip=41 Slip= 81
NP2: 30 50 98

PCI 3.30 255 iPd 40 06.00 3.6X
i(S) 41 07.20
e 58 46.00
TSM 6.74 310 ePc 40 50.00 0.9
0.3s 2087.30nm 7.0mb X
e 42 04.00
CGP 8.63 11 ePc 41 16.00 1.3

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         eS    42 57.00
BIP    8.85  21 iPc   41 20.00   2.4
         eS    43 04.50
KKM    9.12 312 ePd   41 24.30   2.9
         i     41 36.80
         i     43 01.00
MAP   10.37   5 ePc   41 42.00   4.1X
KHKI  11.07 222 ePd   41 50.20   3.1X
         e     50 16.00
PLP   11.33  10 ePd   42 05.30  14.8X
PGP   13.64 351 iPd   42 26.00   5.3X
         iS    43 04.00
TGY   14.24 352 ePc   42 37.00   8.7X
         eS    43 12.00
MTN   15.02 148 iPd   42 37.80  -0.4
      0.5s   335.00nm      5.9mb
BCP   16.56 352 eP    43 00.00   2.6
         eS    43 41.00
KNA   16.58 160 eP    42 57.20  -0.4
      0.7s   296.00nm      5.7mb
KGM   19.82 276 ePc   43 36.80   2.6
      1.1s   374.20nm      5.7mb
         e     44 02.40 152kmX
         e     44 18.20
WWKK  20.88 100 eP    43 49.50   4.5X
         eS    43 54.90
MBL   21.19 188 iPc   43 47.50  -0.6
      0.9s   522.00nm      5.9mb
KLM   21.61 279 ePc   43 57.20   5.0X
IPM   22.46 282 ePc   44 03.90   3.3X
      0.4s   232.30nm      5.9mb
         e     44 29.60 126kmX
         e     51 17.30
WRA   22.64 151 P     44 02.20  -0.2
WB2   22.65 151 iPd   44 02.00  -0.4
         ipP   44 28.50 130kmX
         eS    47 54.00
OIZ   22.98 326 iPc   44 08.27   2.7
      1.0s   810.00nm      6.1mb
         S     48 05.00
MDG   23.29 103 eP    44 10.50   1.8
SNG   23.49 288 iPd   44 14.50   4.0X
      1.1s  2205.06nm      6.5mb
         eS    48 19.90
NANU  23.52 198 iPc   44 11.80   1.0
      0.4s    18.00nm      4.9mb X
HKC   23.86 339 eP    44 17.00   2.9
         eS    48 25.00
MCO   23.91 338 eP    44 18.80   4.2X
LAT   24.79 106 eP    44 24.00   1.0
         eS    45 02.00
GZH   24.87 338 iPc   44 25.50   1.8
      1.0s   400.00nm      5.9mb
   Z  14s      2.72um      4.9MszX
   N  14s      1.74um
   E  14s      1.59um
         S     48 38.00
TATO  24.94 357 ePc   44 23.44  -0.9
         S     48 41.00
QZH   25.24 351 Pc    44 27.00   0.0
         sP    45 12.00
         S     48 42.00
GUMO  25.54  57 eP    44 28.60  -1.3
PJG   25.54  57 eP    44 27.50  -2.4
GUA   25.55  57 eP    44 28.00  -2.0
      0.7s   158.90nm      5.7mb
         e     44 40.00  47kmX
         e     45 12.20
FINC  25.61 105 eP    44 31.80   1.2
ASPA  25.72 157 iPc   44 31.10  -0.5
      1.0s   116.00nm      5.4mb
   Z  18s      3.70um      5.0Msz
         ipP   44 57.00 122kmX
         eS    48 44.50
         iScP  51 26.40
         iScS  55 13.20
PMG   25.74 112 iPc   44 31.10  -0.7
QIS   26.03 142 iPc   44 33.70  -0.7
         i     45 02.00 135kmX
WARB  26.19 173 iPc   44 36.20   0.4
NNT   26.31 299 iPd   44 38.80   1.8
MEEK  26.75 189 iPc   44 40.30  -0.6
         e     45 07.00 125kmX
LOE   27.23 311 eP    44 47.00   1.7
         e     48 08.00
NST   27.49 306 iPc   44 50.00   2.3
KHT   28.32 302 iPc   44 57.90   2.7
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BDT   29.26 307 ePc   45 05.00   1.5
RAB   29.40  98 eP    45 05.00   0.1
      0.6s   533.33nm      6.4mb
         eS    45 36.00
MRWA  29.75 192 eP    45 07.10  -0.7
      0.4s    34.00nm      5.4mb
CHG   30.19 310 iPc   45 14.00   2.2
         eS    50 06.00
CTA   30.21 133 iPc   45 14.40   2.4
      1.5s   518.06nm      6.0mb
         eS    50 07.10
COOL  30.69 183 eP    45 15.00  -1.1
GYA   30.73 330 iPc   45 18.60   2.0
      1.2s   210.00nm      5.7mb
   Z  12s      4.00um      5.3MszX
   N  10s      1.18um
   E  10s      1.06um
         PcP   48 11.40
         S     50 12.00
         ScP   51 42.00
         ScS   55 37.60
FORT  30.91 172 eP    45 17.00  -0.9
BAL   30.95 191 eP    45 17.40  -1.0
      0.4s    74.00nm      5.8mb
SSE   31.05 357 ePc   45 19.28   0.2
      1.4s   190.00nm      5.6mb
   Z  20s      1.40um      4.6Msz
   E  12s      1.30um
         ePP   45 46.00
         esP   46 02.32
         SP    46 03.00
         S     50 12.00
WHN   31.55 346 ePd   45 25.00   1.5
      1.5s   300.00nm      5.8mb
   Z  16s      2.38um      5.0MszX
         S     50 24.00
KLB   31.74 189 eP    45 24.30  -0.9
      0.4s    21.00nm      5.3mb
KMI   31.82 323 iPc   45 28.76   2.5
      1.6s  1040.00nm      6.4mb
         epP   45 56.91 130kmX
         sP    46 12.00
         S     50 12.00
KAGJ  31.97  13 eP    45 26.00  -1.2
NJ2   32.19 353 iPd   45 30.80   1.7
      1.0s   140.00nm      5.7mb
         pP    46 02.00 146kmX
         sP    46 16.00
         S     50 33.00
         sS    51 24.00
MUN   32.38 191 eP    45 30.20  -0.6
ENH   32.81 338 iPc   45 35.48   0.9
NWAO  33.13 189 eP    45 36.50  -0.8
KUMJ  33.26  12 eP    45 36.90  -1.5
OLP   33.34 144 iPc   45 39.20   0.0
         i     46 16.80 178kmX
SHNJ  34.85  12 eP    45 51.20  -0.8
TKSJ  35.42  16 P     45 56.30  -0.5
SHK   35.59  14 eP    45 57.30  -1.0
CD2   35.84 331 P     46 01.20   0.8
      1.2s   130.00nm      5.6mb
         iS    51 30.00
WKYJ  36.09  18 P     46 02.00  -0.5
RMO   36.10 139 iPc   46 02.70   0.0
      1.0s   137.00nm      5.7mb
         i     46 34.50 142kmX
STK   36.18 153 P     46 03.90   0.6
YONJ  36.41  14 P     46 04.80  -0.3
XAN   36.42 340 Pc    46 05.50   0.2
      0.9s   250.00nm      6.0mb
   N  16s      2.91um
   E  16s      3.40um
         S     51 35.00
TIA   36.51 352 eP    46 05.80  -0.2
      1.4s    80.00nm      5.3mb
   Z  24s      1.75um      4.8MszX
         eS    51 34.00
TSRJ  37.43  18 P     46 13.20  -0.5
ADE   37.68 159 iPc   46 16.70   0.8
      0.6s   426.67nm      6.4mb
HNR   37.90 105 eP    46 17.00  -1.0
CMS   37.98 147 iPc   46 19.40   1.0
      1.4s   284.00nm      5.9mb
         i     46 55.00 164kmX
         i     48 18.00
         i     52 08.60
IIDJ  38.00  20 P     46 17.50  -1.0
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DL2   38.81 358 eP    46 25.00  -0.2
      1.0s   130.00nm      5.7mb
   Z  15s      0.88um      4.7MszX
TIY   38.85 347 Pc    46 26.00   0.3
      1.0s   170.00nm      5.8mb
   Z  20s      1.25um      4.7Msz
   N  12s      0.88um
         S     52 14.00
CHJJ  38.88  21 P     46 24.20  -1.7
MTMJ  38.96  19 P     46 26.20  -0.5
MAJO  39.06  20 iPc   46 25.59  -1.7
SHL   39.42 313 iP    46 32.00   1.3
         iS    52 24.00
KAKJ  39.45  22 P     46 27.70  -2.8
NIIJ  39.96  20 P     46 32.60  -2.1
LZH   40.16 336 iPc   46 38.04   1.5
      2.0s  1300.00nm      6.3mb
   Z  18s      1.72um      4.9Msz
   E  12s      1.21um
         epPc  47 07.51 131kmX
         esPd  47 21.74
         PP    48 10.00
         PcP   48 38.00
         ScP   52 17.50
         PcS   52 30.00
         S     52 33.00
         sS    53 27.00
BJI   40.41 352 eP    46 37.50  -0.8
      1.7s   330.00nm      5.8mb
   Z  16s      0.58um      4.5MszX
   E  10s      0.52um
         pP    47 09.50 144kmX
         ScP   52 16.00
         eS    52 31.00
         eScS  56 28.50
ARMA  40.62 141 iPc   46 42.00   1.7
      0.8s   192.00nm      5.9mb
         i     47 26.00 206kmX
         i     52 20.00
BFD   41.10 156 iPc   46 44.20   0.2
      0.6s   142.00nm      5.9mb
         i     47 16.00 142kmX
         i     52 20.00
YAMJ  41.16  21 P     46 44.10  -0.4
SNY   41.71   1 iPc   46 48.00  -0.9
      1.0s   110.00nm      5.5mb
   Z  22s      1.50um      4.8Msz
         pP    47 15.50 120kmX
         sP    47 33.00
         PP    48 25.50
         S     52 52.00
HHC   42.04 347 eP    46 51.80  -0.1
      1.3s   100.00nm      5.4mb
   Z  19s      1.23um      4.8Msz
   N  11s      0.47um
   E  11s      0.53um
         PcP   48 47.00
BTO   42.18 345 iPd   46 52.50  -0.5
      2.0s   300.00nm      5.7mb
   N  15s      0.88um
   E  17s      2.38um
         pP    47 21.00 125kmX
         PP    48 32.00
LSA   42.42 317 P     46 57.00   1.4
         PP    48 33.00
         S     53 10.00
OFUJ  42.55  22 P     46 55.90   0.1
TOO   42.69 153 iPc   46 59.00   1.9
      1.0s   637.00nm      6.3mb
         i     47 34.80 162kmX
         i     52 27.40
RIV   42.71 145 iPd   47 00.60   3.4X
         i     47 34.00 150kmX
CNB   42.80 148 iPd   46 59.70   1.6
      0.6s   124.00nm      5.8mb
         i     47 24.50 107kmX
AOMJ  43.41  19 P     47 04.00   1.2
CN2   43.73   3 Pc    47 03.50  -1.9
      0.6s    27.00nm      5.1mb
   Z  20s      1.09um      4.8Msz
   N  11s      0.47um
   E  11s      0.80um
         epP   47 39.00 160kmX
GTA   44.67 334 iPc   47 14.00   0.8
      1.5s   740.00nm      6.2mb
   Z  20s      1.73um      5.0Msz
   E  10s      0.52um
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15d 20h

			pP	47 46.00	142kmX
			sP	48 05.00	
			SS	56 54.00	
MDJ	44.88	7	iPc	47 14.07	-0.5
	0.8s	230.00nm			5.9mb
Z	40s	1.96um			4.7MszX
			epPc	47 41.06	117kmX
			ec	47 49.33	
GUN	45.19	311	P	47 17.40	-0.3
MRRJ	45.32	19	P	47 17.90	-0.1
PKI	45.37	310	P	47 18.60	-0.5
KKN	45.58	311	P	47 20.40	-0.2
DMN	45.62	310	P	47 21.20	0.2
ERM	45.66	21	iPc	47 20.90	0.1
SAP	45.97	19	eP	47 23.00	-0.2
HOOJ	46.03	21	P	47 24.40	0.7
GKN	46.18	310	P	47 25.00	-0.3
HYB	47.09	294	ePd	47 33.20	0.7
	1.0s	280.00nm			5.9mb
			e	48 05.00	140kmX
KUSJ	47.17	22	P	47 32.30	-0.4
ASAJ	47.34	19	P	47 33.80	-0.2
DZM	47.60	120	iPc	47 36.60	0.1
HIA	49.23	357	iPc	47 47.77	-0.7
			epPd	48 16.24	122kmX
			esP	48 30.48	
YSS	49.96	18	iPc	47 52.45	-1.6
	1.0s	300.00nm			6.1mb
Z	16s	0.30um			4.4MszX
N	16s	0.20um			
E	16s	0.30um			
			e	49 12.00	392kmX
			e	49 46.00	
			eS	54 48.00	
POO	51.70	294	iPd	48 07.60	-0.2
NDI	52.28	307	iPc	48 10.30	-1.6
	0.8s	283.58nm			6.2mb
			eS	55 27.00	
CIT	52.49	353	eP	48 13.00	-0.1
ZAK	53.02	344	iPc+	48 16.00	-0.9
	1.2s	163.00nm			5.8mb
Z	14s	0.69um			4.9MszX
N	15s	0.48um			
			e	49 23.50	317kmX
			eS	55 38.00	
WMO	53.87	329	iPc	48 23.00	-0.4
	2.0s	370.00nm			6.0mb
Z	22s	1.16um			4.9Msz
N	12s	0.91um			
			pP	48 52.00	122kmX
			sP	49 08.00	
			PcP	49 26.00	
			PP	50 28.00	
			ScP	53 10.00	
			PcS	53 23.50	
			S	55 50.00	
			sS	56 42.00	
			ScS	57 56.00	
			SS	59 34.00	
IRK	54.48	346	iP+	48 27.00	-0.7
	1.5s	184.00nm			5.8mb
Z	12s	0.37um			4.7MszX
			e	49 25.70	268kmX
			eS	55 56.00	
MOY	54.83	343	iPc	48 30.20	0.1
	1.4s	516.00nm			6.3mb
VUN	57.30	111	iPd	48 47.80	-0.5
SVA	57.31	111	eP	48 47.90	-0.5
MBU	57.33	110	iPd	48 47.80	-0.8
BOD	58.18	354	iPc	48 52.80	-1.0
	0.6s	220.00nm			6.3mb
KSH	58.22	318	P	48 56.00	1.4
	1.5s	740.00nm			6.4mb
Z	20s	2.49um			5.3Msz
			S	56 51.00	
PRZ	58.29	322	iPd-	48 58.00	2.9
			eS	56 53.00	
WCZ	59.47	133	P	49 04.30	1.1
			e	49 40.10	152kmX
			e	49 57.90	
MSZ	59.57	144	P	49 04.50	0.8
			e	49 32.30	114kmX
ORZ	60.42	138	P	49 10.30	0.8
			e	49 41.90	131kmX
PET	60.65	24	iPc+	49 10.00	-0.8
	1.0s	450.00nm			6.4mb
			epP	49 46.00	152kmX
			eS	57 11.00	
			esS	58 44.00	
EWZ	60.70	142	P	49 11.80	0.4
			e	49 46.40	145kmX
AAK	60.81	321	iPc	49 12.57	0.2
			epPc	49 44.18	131kmX
FRU	60.83	321	iPc+	49 12.60	0.2
	2.2s	620.00nm			6.2mb
			(S)	57 21.00	
THZ	61.12	139	P	49 14.40	0.0
			e	49 45.80	130kmX
QUE	61.15	305	iPc	49 14.00	-0.9
	1.0s	1725.00nm			7.0mb X
			e(S)	57 24.00	
WLZ	61.20	134	P	49 15.70	0.8
			e	49 43.50	113kmX
LTZ	61.21	140	P	49 14.20	-0.8
DIW	61.34	138	eP	49 15.40	-0.4
ODZ	61.39	143	P	49 15.10	-1.0
MCQ	61.75	157	P	49 23.00	4.8X
TCW	61.76	138	P	49 17.60	-1.0
KHZ	61.85	140	P	49 18.70	-0.4
			e	49 45.90	110kmX
GAR	61.88	315	iP	49 19.00	-0.6
			ipP	49 50.00	128kmX
			iS	57 34.00	
			ePS	58 10.00	
			i	58 53.00	
			iSSS	04 25.00	
MOZ	61.92	141	P	49 19.70	0.1
KIW	62.03	137	eP	49 19.10	-1.3
MRW	62.06	138	P	49 19.50	-1.0
SNZO	62.10	138	eP	49 20.59	-0.2
YAK	62.14	4	iPc+	49 19.40	-1.2
	1.1s	620.00nm			6.5mb
			e	50 03.00	187kmX
			ePPP	53 15.00	
			iS	57 32.00	
			i	58 54.00	
CAW	62.25	138	P	49 20.70	-1.1
WHH	62.26	135	P	49 21.30	-0.8
MNG	62.31	137	P	49 21.30	-0.9
			e	49 53.10	132kmX
URZ	62.44	134	P	49 23.10	0.0
WAHZ	62.51	136	P	49 22.80	-0.8
MOW	62.51	138	P	49 22.70	-0.9
MTW	62.56	138	P	49 23.00	-0.9
BLW	62.64	138	P	49 23.50	-0.9
PAHZ	62.65	135	P	49 23.80	-0.8
TTH	62.77	135	P	49 25.20	-0.1
AMW	62.80	138	P	49 25.10	-0.3
PGZ	62.85	137	P	49 24.70	-1.1
			e	50 02.40	159kmX
PUZ	63.20	133	P	49 27.50	-0.7
			e	50 00.80	138kmX
NOZ	63.25	134	eP	49 27.30	-1.2
			e	50 05.30	160kmX
MGD	63.75	15	iPc+	49 30.80	-0.6
	1.0s	440.00nm			6.3mb
			i	50 06.00	147kmX
			iS	57 54.00	
			eSSS	05 00.00	
CSY	66.67	185	P	49 50.29	0.3
DRV	67.53	173	iP	49 55.20	-0.2
SMY	67.60	31	eP	49 56.60	0.6
	1.2s	1264.70nm			6.7mb
MAIO	68.95	309	iPc	50 04.20	-0.6
			eS	59 04.00	
ASH	70.29	311	P	50 13.00	0.1
	1.6s	540.00nm			6.1mb
			e	51 05.00	221kmX
			e	52 50.00	
			eS	59 18.00	
			ePS	59 44.00	
ADK	72.17	34	iPc	50 24.10	0.3
	1.0s	276.80nm			6.0mb
KAT	72.20	311	iP+	50 24.00	-0.2
			e	50 45.00	79kmX
			e	51 15.00	
			e	53 09.00	
			iS	59 38.00	
			ePS	00 06.00	
			e	00 20.00	
			eSS	04 19.00	
			eSSS	07 19.00	
SHI	73.15	301	iPc	50 29.00	-1.2
NRI	73.20	348	iPc+	50 27.30	-2.2
	1.4s	216.00nm			5.7mb
			i	50 51.00	91kmX
			e	53 20.00	
			ePPP	54 54.00	
			eS	59 41.00	
			e	00 36.00	
			eSS	04 32.00	
SVE	75.30	330	iPc	50 41.00	-0.8
	1.8s	600.00nm			6.1mb
			i	53 37.00	
			ePPP	55 24.00	
			eS	00 04.00	
			ePS	01 02.00	
			eSS	05 00.00	
ARU	76.18	329	iPc+	50 45.70	-1.1
	1.3s	460.00nm			6.1mb
			e	51 03.00	63kmX
			e	51 20.50	
			e	51 37.50	
			e	53 46.00	
			eS	00 15.00	
			e	01 09.00	
CRZF	77.05	222	eP	51 00.00	8.2X
			ePP	54 04.00	
			eS	00 41.00	
			eSP	01 14.00	
			e(SS)	06 37.00	
			eSSS	09 12.00	
KER	78.43	305	eP	50 59.00	-0.9
ILT	78.59	19	iPc	50 59.50	-0.4
			isP	51 53.00	
			eS	00 42.00	
			esS	01 48.00	
MAW	78.94	200	iPc	51 00.80	-1.0
	1.1s	197.00nm			5.8mb
			ePcP	51 33.00	
TAB	79.59	309	eP	51 06.00	-0.1
HON	79.75	68	P	51 20.00	13.0X
Z	20s	0.24um			4.5Msz
GRS	79.79	310	iPc	51 06.80	-0.4
	1.8s	540.00nm			6.0mb
			eS	00 48.00	
GRO	80.86	314	iPc+	51 12.50	0.1
	1.0s	220.00nm			5.9mb
Z	12s	1.00um			5.4MszX
N	16s	1.50um			
E	18s	0.60um			
			e	54 18.00	
			iS	01 10.00	
SBA	81.12	171	iPc	51 15.60	2.4
ERE	81.28	311	iP+	51 15.00	0.1
	2.4s	111.00nm			5.2mb
Z	24s	1.00um			5.1MszX
			iS	01 12.00	
			iPS	02 01.00	
			iSS	06 30.00	
HKL	81.33	69	eP	51 17.92	2.1
			epP	51 52.90	139kmX
MHA	81.64	70	eP	51 18.84	1.9
			epP	51 54.77	143kmX
ANM	82.23	24	eP	51 20.90	1.7
SDN	82.38	34	iPc	51 20.60	0.5
PYA	82.83	314	iPc	51 22.00	-0.8
			eS	01 30.00	
			ePS	02 24.00	
KIV	83.09	314	iPc	51 23.77	-0.4
Z	15s	0.63um			5.1MszX
			epP	51 54.06	118kmX
			e	54 37.90	
			eS	01 30.70	
AAE	84.35	279	eP	51 30.00	-1.3
RUWJ	85.14	302	P	51 35.33	0.6
SOC	85.20	314	iPc+	51 34.00	-0.6
	2.0s	360.00nm			5.9mb
Z	14s	0.40um			5.0MszX
			eS	01 46.00	
			ePS	02 48.00	
MYA	85.80	308	iP	51 37.70	-0.2
SVW	85.87	29	eP	51 39.10	1.4
TTA	85.94	27	eP	51 39.00	1.0
NAI	86.23	269	iPc	51 42.00	1.4
	1.0s	1952.00nm			7.0mb X
OTFJ	86.25	302	P	51 38.70	-1.5
GAZ	86.70	307	eP	51 42.00	-0.2
CSTJ	86.91	301	Pd	51 42.10	-1.3
BRW	86.93	19	eP	51 44.10	1.5
ANN	87.02	315	iPc+	51 42.00	-1.5

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          0.9s    220.00nm             6.1mb
       N   16s      0.50um
                    e       55 10.00
                    e       01 52.00
SVST     87.03 310 iP       51 44.00   0.1
REF      87.23  30 eP       51 43.26  -1.2
                   epP      52 20.88 148kmX
IMA      87.33  24 ePc      51 45.40   0.6
         0.8s     69.00nm              5.7mb
MOS      87.46 326 iPc      51 44.00  -1.4
         2.0s    500.00nm              6.2mb
      Z  20s       0.65um              5.0Msz
                   e        55 18.00
OTRJ     87.49 301 P        51 44.65  -1.5
CPKM     87.52  29 eP       51 45.80  -0.1
CRP      87.56  29 iP       51 45.15  -0.8
                   epP      52 20.93 140kmX
JARJ     87.57 302 P        51 44.80  -1.7
TRHT     87.64 310 eP       51 46.30  -0.5
BURJ     87.69 302 P        51 45.60  -1.6
SHMJ     87.73 303 P        51 45.62  -1.6
MASJ     87.75 302 P        51 45.47  -1.9
HRI      87.77 303 iPc      51 47.90   0.4
SALJ     87.78 302 Pd       51 45.75  -1.8
MKRJ     87.81 301 P        51 45.93  -1.8
BHL      87.86 304 Pc       51 48.00   0.1
                   S        02 20.00
NAOJ     87.89 300 P        51 46.70  -1.3
SHWJ     87.90 300 P        51 46.53  -1.8
LISJ     87.94 301 P        51 46.16  -2.0
OBN      88.01 325 ePc      51 46.30  -1.7
         0.9s    230.00nm              6.2mb
      Z  20s       0.50um              4.9Msz
      E  20s       0.50um
                   epPd     52 17.91 122kmX
                   e        55 25.00
                   e        02 01.00
                   eS       02 16.00
                   e        04 16.00
ADI      88.20 303 iPc      51 49.70   0.2
SLKM     88.45  30 iPc      51 48.76  -1.4
                   epP      52 25.85 145kmX
                   esP      52 40.11
RMN      88.66 300 iPc      51 51.80   0.0
PMS      88.81  29 iPc      51 51.30  -0.5
         1.0s     96.00nm              5.8mb
PMR      89.03  29 ePc      51 51.48  -1.3
         1.2s     94.70nm              5.7mb
      Z  20s       0.25um              4.6Msz
                   epP      52 27.68 141kmX
PMO      89.09 105 iP       51 57.70   3.8X
         1.2s    255.00nm              6.2mb
SIM      89.28 315 eP       51 57.00   2.7
                   e        55 32.00
VAH      89.34 105 iP       51 58.80   3.7X
         1.2s    225.00nm              6.1mb
TPT      89.35 105 iP       51 59.10   4.0X
         1.2s    280.00nm              6.2mb
KAS      89.49 311 eP       51 51.00  -4.5X
RUV      89.58 105 iP       51 59.90   3.7X
         1.2s    215.00nm              6.1mb
COL      89.71  25 ePc      51 54.61  -1.3
                   epP      52 28.22 130kmX
FBA      89.71  25 eP       51 56.94   1.0
         0.8s     40.39nm              5.5mb
CSS      89.79 305 eP       51 56.60  -0.4
SPA      89.93 180 iPc      51 57.50   0.4
         0.7s     83.20nm              5.9mb
                   e        02 11.00
APA      89.95 337 iPc      51 55.20  -1.8
                   eS       03 44.00
AKSR     90.04 293 iPc      51 59.20   1.0
AMAN     90.12 294 iPc      51 59.00   0.4
AGRW     90.23 294 iPc      51 59.70   0.6
AKUR     90.26 294 iPc      51 59.20   0.0
AGMR     90.48 293 iPc      52 01.00   0.8
KLU      90.57  29 iPc      51 59.89  -0.1
                   ePP      55 33.10
JOZ      90.81 243 iPc      52 01.50  -0.3
         1.0s     60.00nm              5.7mb
NAL      91.37 310 eP       52 04.00  -0.2
PUL      91.43 330 ePc      52 03.00  -0.9
         1.0s    240.00nm              6.3mb
      Z  22s       0.60um              5.0Msz
                   e        52 38.00 136kmX
                   e        52 55.00
                   e        55 48.00

                   e        02 21.00
                   eS       02 50.00
BALM     92.31  29 iPc      52 08.27   0.2
                   epP      52 44.13 139kmX
                   ePP      55 47.05
                   epPP     56 21.48
ELL      92.55 307 iP       52 08.50  -1.2
KAF      93.22 332 iP       52 10.10  -2.0
         0.8s     53.10nm              5.9mb
KRI      93.25 253 iPd      52 13.60   0.3
                   ipP      52 20.50  22kmX
                   i        52 36.50
MNK      93.29 324 iP       52 10.00  -2.5
         1.0s    396.00nm              6.7mb
                   eS       02 32.00
CFR      93.50 315 eP       52 13.00  -0.7
BUL      94.12 250 iPd      52 17.20  -0.1
         0.9s    203.78nm              6.5mb
NUR      94.20 331 eP       52 15.00  -1.6
         0.8s     24.30nm              5.6mb
SLR      94.25 244 iPc      52 17.70  -0.1
         1.1s    177.22nm              6.3mb
VRI      94.45 316 ePd      52 17.50  -0.6
PTT      94.60 317 eP       52 13.00  -5.8X
SEK      94.73 242 iPc      52 20.60   0.6
         0.8s     97.01nm              6.2mb
PRY      94.93 243 iPc      52 20.70  -0.2
         1.2s    130.00nm              6.2mb
MLR      95.03 316 eP       52 21.50   0.5
KSR      95.49 244 iPc      52 23.50  -0.1
         1.0s     65.00nm              6.0mb
BLF      95.95 241 iPc      52 25.60   0.0
         0.8s     31.25nm              5.8mb
SIT      96.39  33 eP       52 28.00   1.3
         1.0s    105.40nm              6.3mb
MBC      96.44  12 eP       52 26.50  -0.1
         1.0s     24.00nm              5.6mb
BMR      96.48 318 ePd      52 30.00   2.7
FRS      96.66 240 iPc      52 27.50  -1.0
         1.2s    156.25nm              6.4mb
UZH      97.15 319 iPd      52 30.50   0.2
         1.0s    460.00nm              6.9mb
UPP      97.77 331 iP       52 31.00  -1.8
VAY      97.91 312 iP       52 31.40  -2.5
LIT      98.11 310 e(P)     52 44.60   9.7X
SPC      98.40 320 iP       52 35.80  -0.4
                   i        56 39.80
OJC      98.51 321 iPc      52 36.20  -0.2
         1.0s     90.00nm              6.3mb
                   e        52 44.70  27kmX
SKO      98.67 312 iP       52 34.50  -2.8
         1.0s     63.00nm              6.1mb
                   i        56 30.00
                   i        56 39.30
                   i        56 42.70
PSZ      98.85 318 eP       52 32.30  -5.8X
BEO      98.96 315 eP       52 37.50  -1.1
OHR      99.26 312 eP       52 37.50  -2.6
HFS      99.60 331 eP       52 39.00  -2.2
         0.8s     29.90nm              5.9mb
      Z  17s       0.43um              5.0MszX
                   LR       34 13.00
SRO      99.91 319 iP       52 41.40  -1.5
                   e        56 03.20
                   i        56 58.50
NB2     100.48 333 Pdiff    52 43.00  -2.2
         0.9s     20.80nm              5.7mb
DAG     100.50 352 iPdiff52 43.70     -1.1
         0.9s     89.92nm              6.4mb
KSP     100.58 322 iPdiff52 45.20     -0.6
                   i        53 16.90
                   e        56 40.60
ZST     100.63 319 ePdiff52 45.40     -0.7
                   e        56 08.60
                   e        56 56.00
VKA     101.13 319 ePdiff52 47.50     -0.8
                   e        57 01.00
PRU     101.87 321 ePdiff52 51.70      0.2
         1.2s     11.50nm              5.5mb
                   PP       57 08.00
PTJ     101.88 317 ePdiff52 50.90     -0.9
                   e        56 03.60
ZAG     101.88 317 ePdiff52 51.20     -0.5
BRG     102.01 322 iPdiff52 52.00     -0.1
         1.2s     32.00nm              5.9mb
                   epP      53 23.00
                   ePKKP    08 57.00

VBY     102.45 317 ePdiff52 54.60      0.4
                   ePP      57 10.00
CLL     102.47 323 iPdiff52 53.40     -0.7
         1.5s     26.00nm              5.8mb
KMR     102.60 319 iPdiff52 54.00     -0.8
                   ePP      57 12.00
GEC2    102.69 320 Pdiff 52 53.50     -1.8
         0.9s     13.02nm              5.7mb
KHC     102.69 321 Pdiff 52 54.80     -0.5
         1.1s     10.50nm              5.5mb
                   e        53 16.50
                   e        53 30.50
                   PP       57 14.50
                   eSKS     03 20.00
LJU     102.82 317 ePdiff52 54.50     -1.4
TDS     102.86 311 Pdiff 52 56.20      0.0
CEY     102.96 317 ePdiff52 55.40     -1.1
                   ePP      57 03.00
VOY     103.26 317 ePdiff52 56.40     -1.5
KBA     103.36 319 ePdiff52 57.00     -1.5
         1.3s     46.60nm              6.2mb
                   e        57 15.00
                   i        57 20.90
MOX     103.50 322 ePdiff52 58.30     -0.5
         1.5s     28.00nm              5.9mb
                   e        53 31.40
GRF     104.02 322 iPdiff53 00.70     -0.4
         1.3s     18.00nm              5.8mb
      Z  20s       0.30um              4.8Msz
WTTA    104.44 319 iPdiff53 01.70     -1.6
         1.5s     79.10nm              6.5mb
                   i        53 09.30
                   i        57 19.20
                   i        57 24.50
BCAO    104.46 275 iPdiff53 03.10     -0.8
         0.7s      9.00nm              5.9mb
                   i        54 30.50
YKA     104.46  24 ePdiff53 03.00      0.3
         0.8s      3.70nm              5.4mb
MOTA    104.77 319 iPdiff53 03.00     -1.7
         1.0s     22.50nm              6.1mb
                   i        53 16.80
SFI     105.18 316 PKP      57 32.20  11.9X
CRE     105.19 315 PKP      57 31.30  10.8X
PGD     105.29 316 PKP      57 26.20   5.5X
PGC     105.40  39 ePdiff53 08.50      1.3
OSS     105.58 319 Pdiff 53 08.43      0.1
FIR     105.64 316 ePKP     57 09.00 -12.1X
MCW     105.78  39 ePdiff53 10.36      1.4
MME     105.91 316 PKP      57 19.90  -2.1
GMW     106.17  40 iPdiff53 12.21      1.5
                   epP      53 49.20
BMW     106.21  41 iPdiff53 12.21      1.2
LLS     106.28 319 Pdiff 53 13.27      1.8
BOB     106.61 317 PKP      57 23.40   0.3
VAI     106.74 318 PKP      57 39.10  16.0X
CDF     106.88 321 ePdiff53 13.40     -0.6
         0.9s      5.55nm              5.7mb
CDF     106.88 321 ePKP     57 23.00  -0.5
         1.1s      8.80nm
MMK     107.21 319 Pdiff 53 15.60     -0.1
BSF     107.39 321 ePdiff53 15.30     -0.9
         1.2s     15.45nm              6.0mb
BSF     107.39 321 ePKP     57 24.20  -0.3
         0.8s     17.20nm
DIX     107.57 319 Pdiff 53 17.42      0.1
HAU     107.61 321 ePKP     57 24.80   0.0
         1.0s     16.60nm
      Z  23s       0.13um              4.4MszX
LPG     108.20 318 ePdiff53 19.80     -0.3
         1.2s     10.70nm              5.9mb
LPG     108.20 318 ePKP     57 26.50   0.1
         0.7s      8.60nm
LPL     108.20 318 ePdiff53 19.70     -0.4
         1.0s      9.60nm              5.9mb
SBF     108.26 317 ePKP     57 26.00  -0.2
         1.0s     26.80nm
LBFM    108.66  46 iPKP     57 28.13   0.9
LRG     109.13 316 ePKP     57 28.00   0.3
         1.1s     23.70nm
      Z  21s       0.30um              4.8Msz
LOR     109.44 321 ePdiff53 24.80     -0.5
         1.3s      9.75nm
LOR     109.44 321 ePKP     57 28.30   0.0
      Z  22s       0.15um              4.5Msz
ORV     109.47  48 ePKP     57 27.96  -0.6
LBF.    109.47 321 ePdiff53 24.90     -0.5
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15d 20h

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        1.2s      12.20nm
LBF   109.47 321 ePKP   57 28.30   -0.1
        0.8s       8.35nm
NEW   109.48  38 ePdiff53 25.89    0.4
NEW   109.48  38 ePKP   57 28.70   0.3
SSF   109.74 321 ePdiff53 25.10   -1.5
        1.2s       7.45nm
SSF   109.74 321 ePKP   57 29.00   0.2
        0.9s      25.20nm
EKA   109.78 331 Pdiffc53 28.60    2.1
        2.3s      41.90nm
AVF   109.94 321 ePKP   57 29.10  -0.1
        0.8s       9.25nm
ARN   110.06  50 iPKPd  57 31.18   1.4
BGF   110.36 320 ePKP   57 30.40   0.4
        0.8s      32.10nm
MAF   110.67 320 ePKP   57 30.80   0.2
        1.0s       8.40nm
TCF   110.87 320 ePdiff53 30.40   -1.2
        1.1s       6.10nm
TCF   110.87 320 ePKP   57 31.20   0.2
        1.0s      19.00nm
LSF   111.32 321 ePKP   57 31.80   0.0
        0.9s      11.95nm
CAF   111.49 319 ePKP   57 32.70   0.4
        1.0s      16.00nm
RJF   111.70 320 ePKP   57 32.90   0.3
        1.3s      24.20nm
      Z  20s       0.15um           4.6Msz
GRR   111.88 323 ePKP   57 33.20   0.4
        1.1s      16.85nm
SES   112.12  34 ePdiff53 39.00    1.9
SES   112.12  34 ePKP   57 33.00  -0.3
LPF   112.15 323 ePKP   57 33.40   0.1
        0.9s      16.40nm
LPO   112.16 319 ePKP   57 34.10   0.6
        1.2s      32.45nm
MFF   112.22 321 ePKP   57 33.50   0.0
        0.9s      27.20nm
LFF   112.35 320 ePKP   57 34.40   0.6
        0.9s      21.80nm
DMU   112.39 331 ePKP   57 34.00   0.4
DLF   112.54 330 ePKP   57 33.40  -0.5
ABL   112.56  52 iPKP   57 36.36   1.5
DCN   112.88 330 ePKP   57 33.70  -0.8
ISA   112.91  51 ePdiff53 40.62   -0.4
LRM   113.40  39 ePdiff53 44.40    1.2
LRM   113.40  39 ePKPc  57 36.40   0.2
HPI   113.89  41 ePKP   57 38.77   1.5
                 iSKPdf01 00.35
                 ePKKP308 24.93
PEC   114.47  52 ePKP   57 38.68   0.3
FCC   114.62  20 ePKP   57 39.00   1.3
PTI   114.73  42 ePKP   57 40.00   1.2
HVU   114.91  43 iPKPc  57 39.78   0.7
                 ePKKP308 16.00
                 ePKKP208 22.10
DUG   115.52  45 iPKPc  57 41.21   0.9
                 ePKKP308 14.59
                 ePKKP208 20.43
DAU   116.52  44 ePKPc  57 42.60   0.2
GLA   116.58  53 iPKP   57 43.86   1.5
MSU   116.64  46 ePKPc  57 43.98   1.4
                 ePKKP 08 11.55
EMUT  117.08  44 iPKP   57 44.17   0.7
SRU   117.58  45 iPKPc  57 44.78   0.5
                 epP'df58 20.82
ULM   120.04  28 iPKPd  57 49.40   1.1
NKM   120.55 312 ePKP   57 49.50  -0.3
                 i      57 54.50
                 i      59 05.00
GOL   120.86  42 iPKP   57 50.91   0.3
      Z  20s       0.11um           4.5Msz
IFR   121.12 310 iPKPc  57 53.00   1.8
ALO   122.30  48 ePKPc  57 54.81   1.4
      Z  20s       0.03um           3.9Msz
                 ipP'df58 31.28
AVE   122.96 311 iPKPd  57 55.00   0.6
                 i      58 10.00
TIO   123.80 308 iPKPc  57 57.50   1.1
                 i      58 34.50
ACO   126.61  42 iPKPc  58 02.20   0.7
KIC   127.51 278 (PKP)  57 46.50 -17.3X
LIC   127.81 278 (PKP)  57 47.00 -17.4X
FKO   128.59  43 iPKPd  58 06.40   1.1
SIO   129.04  42 ePKP   58 07.40   1.3
TUL   129.29  41 ePKP   58 07.70   1.1
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        1.0s      90.30nm
VVO   129.66  42 (PKP)  58 07.60   0.3
EEO   129.74  20 ePKP   58 08.00   0.9
CCM   130.78  36 iPKPc  58 08.44  -0.9
SLM   130.97  35 PKP    58 20.00  10.3X
      Z  20s       1.02um           5.5Msz
UYO   131.19  42 iPKPc  58 10.50   0.2
FVM   131.30  35 iPKP   58 10.48   0.1
                 epP'df58 47.68
                 eSKPab01 23.71
ELF   131.85  24 PKP    58 11.00  -0.2
ACTO  131.99  23 PKP    58 11.90   0.4
DLA   132.02  24 PKP    58 11.20  -0.4
LDN   132.03  24 PKP    58 11.20  -0.4
OLY   132.31  39 ePKP   58 13.13   0.8
                 eSKPbc01 25.76
WLVO  132.34  21 PKP    58 12.45   0.4
TYNO  132.50  23 PKP    58 12.55   0.1
STCO  132.67  22 PKP    58 12.97   0.2
LST   132.70  36 ePKP   58 13.94   0.9
MIM   133.77  12 Pdiff  55 08.40  -4.9X
BNH   133.89  14 ePKP   58 16.36   1.3
                 iSKP   01 30.72
LMN   133.89   8 ePKPd  58 16.50   1.5
KDS   133.91 287 iPKP   58 18.50   2.6
EMM   134.55  11 ePKP   58 16.32   0.1
PPM   135.00  63 (PKP)  58 20.00   1.4
MCWV  135.40  25 PKP    58 30.00  11.9X
      Z  21s       2.02um           5.8Msz
TBR   136.23  19 ePKP   58 19.67   0.1
                 eSKP   01 39.66
LVNJ  136.35  20 ePKP   58 19.58  -0.3
                 eSKP   01 39.41
GBTN  136.44  33 iPKP   58 21.53   1.3
PNJ   136.46  19 PKP    58 18.70  -1.3
TKL   136.69  32 ePKP   58 21.13   0.5
NAV   136.89  28 iPKP   58 20.89  -0.2
BLA   137.15  28 ePKP   58 21.59   0.0
CVL   137.40  25 iPKP   58 21.95   0.0
NA2   137.57  24 ePKP   58 22.17  -0.1
                 iSKPdf01 45.87
                 i      01 47.41
CBN   137.66  24 ePKP   58 22.00  -0.4
        0.9s     115.00nm
PRM   138.63  33 ePKP   58 24.87   0.6
CEH   138.85  28 ePKP   58 24.34  -0.3
      Z  21s       0.20um           4.8Msz
JSC   139.07  31 ePKP   58 25.63   0.6
HBF   140.57  32 ePKP   58 28.84   1.0
PEL   144.53 160 iPKPc  58 34.50  -0.3
ZON   146.65 162 ePKP   58 37.50  -0.9
RTCB  146.67 161 iPKPc  58 39.40   1.0
RTPR  148.46 164 iPKPc  58 45.60   4.4X
JCR   150.36  70 ePKP   58 52.02   7.4X
SJS   151.33  69 ePKPd  58 54.44   8.3X
LCR2  151.44  70 ePKPd  58 54.49   8.1X
ICR   151.52  69 ePKPd  58 55.57   8.7X
VCR   151.67  69 ePKPc  58 50.50   3.9X
BUS   151.72  70 ePKPd  58 55.35   8.2X
ACR   152.54  71 ePKPc  58 57.16   9.4X
NNA   156.92 122 ePKP   58 55.80   2.1
        0.9s      10.92nm
PPD   157.35 194 ePKP   58 55.20   1.2
ARE   158.20 140 ePKP   58 58.00   2.5
PDCR  158.31 234 ePKP   58 56.20   0.9
                 e      59 31.60
ITR   159.55 244 ePKP   58 57.10   0.4
                 i      59 33.30
PSO   159.62  87 ePKP   58 58.50   1.2
CNCB  160.02 148 iPKPc  59 00.60   2.8
LPB   160.18 147 PKP    59 01.00   3.2X
ZOBO  160.37 146 ePKPc  58 59.77   1.5
BDF   161.98 209 ePKPc  59 01.23   2.0
                 ePKPab59 48.57
BOG   162.34  75 ePKP   59 01.50   1.6
BMG   162.50  66 iPKPc  59 01.00   1.2
PAG   163.48  16 ePKP   59 00.00  -0.6
SIV   163.53 166 PKPc   59 02.00   1.4
                 i      59 34.00
    S.D. = 1.1  on 411 of 453 obs.
----------------------------------------
& JUN 15, 1992   22h 55m 49.73s
  36.053 N            120.206 W
  DEPTH =  14.4km
 CENTRAL CALIFORNIA                ( 39)
      <GM-P>. MD 3.3 (GM). ML 3.2
      (PAS).
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PKEM    0.08  84 iPc    55 53.23   0.4
PHAM    0.27 216 ePd    55 56.08   0.4
BCH     0.87 173 ePc    56 05.75  -0.4
ABL     1.44 146 eP     56 13.90  -1.7
                 eS     56 33.74
ISA     1.46 105 eP     56 14.43  -1.2
                 eS     56 32.41
ARN     1.68 321 eP     56 17.40  -1.3
                 eS     56 44.77
ORV     3.64 344 (Pn)   56 43.64  -3.2
PLM     3.85 133 (P)    56 49.79  -0.1
ARUT    5.69  70 (P)    57 15.23  -0.7
MSU     6.86  67 (P)    57 29.25  -3.2
        10 obs. ossocioted
----------------------------------------
% JUN 15, 1992   23h 21m 15.47± 0.78s
  44.341 N ± 6.1km     7.277 E ± 7.8km
  DEPTH =    5.0km  (geophysicist)
 NORTHERN ITALY                    (545)
      ML 1.6 (GEN).

STV     0.10 161 P      21 17.79   0.0
                 S      21 19.32
ENR     0.15 138 P      21 19.17   0.5
                 S      21 21.28
PZZ     0.21 322 P      21 19.90   0.2
                 S      21 22.70
ROB     0.43  96 P      21 24.37   0.3
BHB     0.50 359 P      21 25.28  -0.2
                 S      21 31.96
IMI     0.62 134 P      21 27.16  -0.7
FIN     0.68 101 P      21 29.08   0.0
    S.D. = 0.4  on   7 of   7 obs.
----------------------------------------
  JUN 15, 1992   23h 44m 31.99± 0.92s
  40.839 N ± 6.7km    21.053 E ± 8.1km
  DEPTH =   10.0km  (geophysicist)
 GREECE                            (364)
      ML 3.0 (SKO), 2.6 (TIR).

OHR     0.33 325 iPgc   44 38.20  -0.7
                 iSg    44 43.70
LSK     0.77 207 ePg    44 46.40  -0.7
                 iSg    44 57.00
TPE     0.96 236 ePg    44 51.00   0.7
PHP     0.97 332 ePg    44 49.20  -1.1
TIR     1.03 300 ePg    44 51.50   0.1
                 iSg    45 06.70
SKO     1.17  14 ePn    44 53.10  -0.7
        0.6s     113.00nm
                 iSn    45 09.50
                 iSg    45 10.00
                 Lg     45 11.80
VAY     1.24  67 iPn    44 55.40   0.3
KKS     1.33 339 ePn    44 58.50   2.1
    S.D. = 1.2  on   8 of   8 obs.
----------------------------------------
  JUN 16, 1992   00h 35m 00.91± 0.40s
  58.301 N ± 6.6km   133.441 W ± 3.6km
  DEPTH =    5.0km  (geophysicist)
 SOUTHEASTERN ALASKA               ( 19)
      ML 3.6 (PGC), 3.5 (AEIC).

TCBC    1.21 107 P      35 23.40  -0.5
SIT     1.61 220 eP     35 29.81  -0.1
                 eS     35 51.38
DLB     1.79  85 P      35 33.00   0.3
                 eLg    35 59.50
PLBC    1.91 309 P      35 34.50   0.1
                 eLg    36 00.50
BOB     2.15 125 P      35 38.50   0.6
HON     3.05 295 eP     35 50.36  -0.3
                 S      36 28.77
HYT     3.27 322 Pn     35 53.80  -0.1
                 Pg     36 00.20
PNL     3.37 297 eP     35 55.17  -0.2
                 S      36 37.47
PCA     3.94 300 eP     36 03.82   0.4
MUB     4.07  77 P      36 05.00  -0.3
YAH     4.73 299 eP     36 14.91   0.1
YKA    10.21  58 eP     37 31.10   0.1
        0.9s       1.00nm           4.3mb
    S.D. = 0.4  on  12 of  12 obs.
----------------------------------------
  JUN 16, 1992   00h 42m 52.33± 0.78s
  40.236 N ±11.5km    33.942 E ± 6.3km
  DEPTH =   10.0km  (geophysicist)
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TURKEY (366)

BBTK 0.99 247 iP 43 11.10 -0.1
eS 43 25.80
KAS 1.14 353 iPd 43 13.60 -0.1
SGKT 1.48 284 iP 43 20.30 1.1
TRHT 1.72 86 iP 43 22.50 0.0
eS 43 46.10
NAL 2.02 270 eP 43 27.80 0.8
eS 43 57.00
SVST 2.35 100 eP 43 31.80 0.1
eS 44 08.00
GYN 2.46 274 eP 43 31.50 -1.8
S.D. = 1.1 on 7 of 7 obs.

JUN 16, 1992 01h 17m 55.79± 0.28s
10.725 S ± 5.8km 74.885 W ± 6.3km
DEPTH = 33.0km (normal)
5.2mb (44 obs.)
CENTRAL PERU (116)

ARE 6.59 150 eP 19 35.00 1.8
ZOBO 8.58 131 P 20 00.30 -1.1
Z 20s 1.05um
S 22 14.00
LR 23 00.00
LPB 8.76 132 P 20 13.00 9.3X
1.0s 240.00nm 6.3mb X
Z 20s 7.09um 2.9MszX
LR 23 30.00
CNCB 9.03 133 eP 20 18.00 10.5X
SIV 14.42 113 P 21 16.80 -2.9
SDV 19.94 12 eP 22 26.30 -1.9
TOV 21.00 14 iPc 22 37.50 -1.5
GUAN 22.51 24 eP 22 53.10 -1.1
CAR 22.53 21 eP 23 04.00 9.6X
PEL 22.64 171 iPd 22 56.60 1.2
PPD 25.21 119 eP 23 20.30 0.0
PDCR 35.06 97 eP 24 45.20 -2.8
e 24 51.30
ITR 35.98 90 eP 24 54.60 -1.3
TKL 46.89 350 eP 26 24.34 -0.6
NAV 48.11 354 eP 26 35.31 0.8
UYO 48.36 338 iPd 26 37.30 0.8
CVL 48.56 356 eP 26 39.35 1.4
OLY 48.58 342 eP 26 37.11 -1.0
NA2 48.67 357 ePd 26 38.54 -0.1
VVO 49.88 338 eP 26 47.30 -0.8
TUL 50.41 338 eP 26 51.90 -0.2
1.0s 34.80nm 5.3mb
Z 22s 0.15um 4.0Msz
LR 45 36.00
FKO 50.45 336 iPc 26 51.80 -0.7
SIO 50.45 337 eP 26 51.80 -0.7
MEO 50.53 335 iPc 26 52.10 -1.0
CCM 50.88 343 ePd 26 54.74 -1.0
0.7s 11.48nm 5.0mb
LVNJ 51.27 0 (P) 26 59.83 1.2
GMTN 51.35 1 eP 26 59.80 0.6
TBR 51.61 1 eP 27 01.67 0.5
ACO 52.40 335 iPc 27 07.00 -0.3
TYNO 53.75 355 P 27 29.00 12.0X
ACTO 54.28 355 P 27 33.21 12.3X
ALQ 54.38 328 iPc 27 21.85 -0.2
0.8s 8.67nm 4.8mb
WLVO 54.48 357 P 27 26.84 4.5X
BNH 55.15 3 eP 27 29.57 2.2
LMN 57.04 8 eP 27 46.00 5.1X
EEO 57.23 357 eP 27 42.00 -0.2
GOL 57.60 332 eP 27 44.02 -1.3
0.8s 5.87nm 4.7mb
MSU 60.08 327 iPc 28 02.21 -0.3
RSSD 60.67 336 eP 28 05.80 -0.6
0.8s 8.81nm 4.9mb
DUG 61.65 328 eP 28 13.05 0.1
0.7s 11.42nm 5.1mb
BW06 61.97 332 ePc 28 14.00 -1.2
0.8s 6.79nm 4.8mb
HVU 62.78 329 eP 28 19.71 -0.8
ULM 63.43 345 ePd 28 24.20 -0.2
HPI 64.37 330 eP 28 31.42 0.3
LRM 65.63 332 eP 28 38.60 -0.6
ORV 66.13 322 iPc 28 42.68 0.5
KDS 66.39 71 iP 28 43.50 -0.7
SES 68.54 336 ePc 28 56.20 -1.0
NEW 69.60 331 eP 29 03.29 -0.4
0.8s 13.33nm 5.1mb
LON 70.90 328 eP 29 11.34 -0.4
RMW 71.36 328 eP 29 14.33 -0.2
BMW 71.47 327 eP 29 15.45 0.3
PNT 71.51 331 eP 29 16.00 0.7
0.8s 14.00nm 5.0mb
LIC 71.55 80 P 29 14.70 -1.4
TIC 71.65 79 P 29 15.30 -1.5
KIC 71.85 80 Pc 29 16.50 -1.5
0.9s 26.50nm 5.2mb
GMW 71.92 328 (P) 29 17.67 -0.1
TIO 76.88 55 iPd 29 52.00 5.1X
AVE 77.62 52 eP 29 52.50 1.8
i 29 54.00
YKA 79.21 342 eP 30 02.50 3.7X
0.8s 7.30nm 4.7mb
SPA 79.35 180 iPc 29 59.70 -0.1
1.0s 12.00nm 4.8mb
EJIF 80.26 50 eP 30 12.00 7.0X
EPRU 80.62 50 eP 30 13.80 6.8X
EHOR 80.91 49 eP 30 11.00 2.6
EPLA 81.13 46 eP 30 09.70 0.1
ERUA 81.28 44 eP 30 10.90 0.6
EMON 81.57 43 eP 30 12.30 0.5
ECOG 81.98 50 eP 30 10.00 -4.1X
GUD 82.71 46 eP 30 19.10 1.2
EVIA 83.22 49 eP 30 21.30 0.7
ETOR 84.27 47 eP 30 26.60 0.8
ECRI 84.55 45 eP 30 30.20 3.1X
ECHE 84.66 48 eP 30 29.50 1.8
ACU 84.74 49 eP 30 33.10 5.0X
ECB 85.49 35 eP 30 37.10 5.7X
ECP 85.64 35 eP 30 37.80 5.6X
EGRA 85.95 46 eP 30 38.60 4.6X
DLF 86.00 34 eP 30 40.10 6.1X
DMU 86.04 33 eP 30 39.70 5.5X
EPF 86.67 45 eP 30 38.50 0.9
1.1s 10.75nm 5.0mb
LPF 87.34 40 eP 30 40.40 -0.2
0.8s 9.65nm 5.1mb
MFF 87.45 42 eP 30 41.90 0.7
0.9s 18.65nm 5.3mb
LFF 87.53 44 eP 30 42.40 0.8
1.1s 27.10nm 5.4mb
GRR 87.57 40 eP 30 42.20 0.5
0.6s 5.05nm 5.0mb
LPO 87.75 44 eP 30 43.50 0.8
0.9s 11.95nm 5.2mb
FLN 87.92 40 eP 30 44.20 0.8
1.0s 13.40nm 5.2mb
Z 20s 0.10um 4.2Msz
LDF 88.10 40 eP 30 44.90 0.6
1.0s 13.20nm 5.2mb
RJF 88.16 43 eP 30 45.20 0.5
1.0s 16.60nm 5.3mb
Z 21s 0.13um 4.3Msz
CAF 88.42 44 eP 30 46.60 0.6
1.0s 16.20nm 5.3mb
LSF 88.45 42 eP 30 46.40 0.4
0.8s 11.15nm 5.2mb
TCF 88.91 43 eP 30 48.50 0.2
0.9s 13.10nm 5.3mb
MAF 89.13 43 eP 30 49.80 0.5
0.9s 20.00nm 5.4mb
BGF 89.41 42 eP 30 51.10 0.5
0.8s 26.85nm 5.6mb
AVF 89.81 42 eP 30 52.60 0.2
1.0s 20.60nm 5.4mb
SSF 89.98 42 eP 30 53.40 0.1
1.2s 22.90nm 5.3mb
SMF 90.09 43 eP 30 54.20 0.4
1.0s 30.40nm 5.5mb
LOR 90.27 42 eP 30 54.70 0.1
0.8s 11.95nm 5.2mb
Z 19s 0.08um 4.1Msz
LBF 90.27 42 eP 30 54.70 0.0
1.2s 11.60nm 5.0mb
KLU 90.52 333 (P) 30 55.53 0.0
MBC 90.67 350 eP 30 57.00 1.2
0.9s 7.00nm 5.0mb
LMR 91.10 46 eP 30 59.20 0.8
0.9s 18.65nm 5.5mb
LPL 91.76 44 eP 31 03.10 1.3
0.9s 16.85nm 5.5mb
LPG 91.77 44 eP 31 03.30 1.4
1.0s 20.00nm 5.5mb
HAU 92.09 42 eP 31 03.40 0.4
1.2s 12.20nm 5.2mb
Z 22s 0.08um 4.1Msz
BSF 92.34 42 eP 31 04.60 0.4
1.4s 21.80nm 5.4mb
FBA 92.52 336 iPc 31 04.27 -0.3
0.8s 11.56nm 5.4mb
CDF 92.78 41 eP 31 06.80 0.6
1.1s 12.20nm 5.2mb
BCAO 94.17 86 ePc 31 14.10 0.8
0.8s 18.00nm 5.6mb
i 31 19.30
BLF 94.34 121 eP 31 14.00 0.0
SFI 95.01 46 P 31 22.20 5.8X
CTI 95.24 44 P 31 22.80 5.2X
SDI 96.08 49 P 31 27.30 5.8X
FVI 96.10 44 P 31 26.80 5.4X
KBA 96.56 43 e(P) 31 24.00 0.3
1.1s 11.60nm 5.3mb
i 31 29.60
VOY 96.78 45 e(P) 31 30.30 5.7X
KHC 97.01 41 P 31 31.00 5.5X
1.2s 5.00nm 4.9mb
e 32 02.50
SGO 97.02 50 P 31 31.50 5.9X
GEC2 97.05 42 PKP 31 25.10 -0.7
0.8s 0.87nm 4.4mb
CEY 97.11 45 e(P) 31 31.50 5.5X
MGR 97.15 51 P 31 32.00 5.7X
NB2 97.41 29 P 31 33.00 6.0X
0.9s 5.40nm 5.1mb
BRG 97.49 40 e(P) 31 33.40 5.9X
BUL 98.76 112 eP 31 39.50 5.4X
ZST 99.22 43 e(P) 31 41.30 5.9X
ASPA 135.72 219 iPKPc 37 15.20 -0.3
1.0s 7.70nm
WB2 138.08 223 ePKP 37 08.90 -11.2X
0.9s 1.90nm
i 37 19.40
WRA 138.09 223 PKP 37 21.00 0.9
0.5s 5.50nm
MTN 145.14 228 ePKP 37 32.20 -0.3
0.4s 75.00nm
MBL 145.17 205 ePKP 37 31.70 -0.8
0.4s 9.00nm
NDI 148.37 52 ePKP 37 41.40 3.9X
BJI 149.20 343 ePKP 37 42.00 3.6X
1.0s 22.00nm
GKN 154.21 45 PKP 37 46.80 0.5
DMN 154.78 45 PKP 37 45.60 -1.6
KKN 154.79 45 PKP 37 46.20 -0.9
PKI 155.02 45 PKP 37 45.80 -1.8
GUN 155.13 44 PKP 37 46.70 -1.0
S.D. = 1.0 on 101 of 136 obs.

% JUN 16, 1992 01h 25m 27.34± 0.89s
46.910 N ± 8.9km 1.476 E ± 6.0km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.0 (LDG).

LSF 0.66 177 Pg 25 40.70 0.2
Sg 25 49.30
TCF 0.80 141 Pg 25 42.70 -0.2
Sg 25 53.40
BGF 1.01 110 Pg 25 46.10 -0.3
Sg 25 59.30
MAF 1.02 132 Pg 25 46.90 0.3
Sg 25 59.80
MFF 1.16 255 Pg 25 48.80 -0.2
Sg 26 03.60
AVF 1.29 95 Pg 25 50.50 -0.8
Sg 26 07.40
SSF 1.40 83 Pn 25 51.70 -1.2
Pg 25 52.80
Sg 26 10.10
SMF 1.65 98 Pg 25 57.20 0.8
Sg 26 18.30
LOR 1.67 77 Pg 25 57.30 0.6
Sg 26 18.40
LBF 1.72 87 Pg 25 58.40 0.9
Sg 26 19.80
S.D. = 0.8 on 10 of 10 obs.

JUN 16, 1992 02h 01m 51.33± 0.79s
46.063 N ± 8.7km 13.510 E ± 7.5km
DEPTH = 10.0km (geophysicist)
AUSTRIA (546)
MD 2.6 (LJU), 1.9 (TRI).

16d 02h

VOY 0.27 97 iPgc 01 56.20 -0.8
eSg 02 00.60
TRI 0.40 153 ePg 01 58.70 -0.7
iSg 02 05.30
LJU 0.71 91 eP 02 09.00 3.6X
eSg 02 15.20
CEY 0.72 117 eP 02 07.00 1.5
eSg 02 15.00
FVI 0.73 317 P 02 05.10 -0.6
eSg 02 15.30
KBA 1.02 354 ePg 02 11.00 0.2
iSg 02 24.00
CTI 1.29 270 P 02 15.80 0.4
eSg 02 33.60
S.D. = 1.2 on 6 of 7 obs.

JUN 16, 1992 02h 50m 37.81± 0.40s
1.525 N ± 8.7km 41.566 W ± 7.2km
DEPTH = 33.0km (normal)
4.7mb (16 obs.)
NORTH ATLANTIC OCEAN (402)

ITR 10.69 163 eP 53 09.10 -2.7
0.3s 32.89nm 6.1mb X
eS 54 58.70
PPD 25.27 202 eP 56 05.50 2.6X
SIV 25.97 227 (P) 56 18.00 8.6X
CCH 30.66 231 eP 56 49.00 -3.1X
ZOBO 31.64 235 P 57 01.00 -0.2
Z 20s 0.12um 3.6Msz
LR 07 32.00
LPB 31.75 235 P 57 03.30 1.5
CNCB 31.80 234 P 57 04.00 1.6
LIC 36.74 82 P 57 44.70 0.4
TIC 36.79 81 P 57 45.10 0.4
KIC 37.04 82 P 57 47.30 0.5
SGS 48.22 315 (P) 59 19.41 2.0
LPO 57.17 35 eP 00 24.10 0.2
0.8s 7.80nm 4.8mb
FVM 57.60 315 eP 00 25.00 -2.0
RJF 57.72 35 eP 00 26.90 -0.9
0.8s 5.25nm 4.6mb
CAF 57.82 35 eP 00 28.80 0.3
0.8s 7.10nm 4.8mb
LPF 58.02 31 eP 00 30.00 0.2
1.2s 17.55nm 5.0mb
TCF 58.70 34 eP 00 34.80 0.2
1.1s 7.35nm 4.7mb
FLN 58.78 31 eP 00 35.00 -0.1
0.8s 12.65nm 5.1mb
LDF 58.85 31 eP 00 35.40 -0.2
0.6s 3.05nm 4.6mb
MAF 58.86 34 eP 00 36.10 0.4
0.9s 4.60nm 4.6mb
BGF 59.21 34 eP 00 38.40 0.2
0.8s 4.05nm 4.6mb
AVF 59.63 34 eP 00 41.00 0.0
0.8s 3.10nm 4.5mb
BCAO 60.08 86 ePc 00 46.00 1.3
0.2s 8.00nm 5.5mb
i 00 54.90
LBF 60.09 34 eP 00 43.60 -0.7
0.9s 4.10nm 4.6mb
LOR 60.19 34 eP 00 44.80 -0.1
0.8s 4.85nm 4.7mb
KHC 66.72 36 eP 01 27.50 -0.4
e 01 36.50
ULM 66.75 325 eP 01 27.00 -1.0
ALQ 68.68 307 eP 01 43.00 2.3
1.0s 10.00nm 4.8mb
e 01 51.00
GOL 69.07 312 iPd 01 41.27 -1.8
0.7s 6.27nm 4.8mb
FCC 70.15 334 eP 01 49.50 0.6
PV10 71.50 310 ePc 01 57.60 -0.3
SRU 72.79 311 eP 02 05.34 -0.1
BW06 72.92 314 eP 02 05.00 -1.2
DAU 73.62 312 (P) 02 08.05 -2.4
MSU 73.93 310 eP 02 12.65 0.5
ARUT 74.78 309 eP 02 17.90 0.9
HPI 75.65 315 (P) 02 19.93 -2.1
LRM 75.65 317 eP 02 22.20 0.3
SES 75.84 322 eP 02 22.00 -0.6
NEW 79.26 319 ePc 02 41.20 -0.4
0.9s 5.26nm 4.5mb
e 02 49.00
ORV 81.27 310 eP 02 52.70 0.3
MBC 85.63 346 eP 03 15.00 1.1
DZM 145.95 231 iPKPd 10 17.90 1.9
STK 149.66 185 iPKPd 10 26.80 5.3X
0.5s 1.80nm
S.D. = 1.2 on 40 of 44 obs.

JUN 16, 1992 03h 39m 39.38± 0.80s
34.965 N ±10.6km 23.097 E ± 6.8km
DEPTH = 33.0km (normal)
4.1mb (6 obs.)
CRETE (370)
MD 4.3 (HLW).

IZM 4.79 43 eP 41 11.20 20.1X
SRN 5.49 334 ePn 41 00.80 -0.1
LSK 5.54 340 ePn 41 03.30 1.5
ELL 5.81 70 ePn 41 08.50 2.8
TPE 5.86 336 ePn 41 06.90 0.7
VAY 6.36 356 iPn 41 13.00 -0.2
OHR 6.40 344 ePn 41 12.70 -1.1
SOI 6.46 301 P 41 14.80 0.1
eSn 42 16.00
LCI 6.73 324 P 41 16.50 -1.9
eSn 42 17.70
TIR 6.86 339 ePn 41 23.00 2.8
ATN 6.92 300 P 41 20.90 -0.2
eSn 42 28.00
ROI 6.94 313 P 41 21.10 -0.4
MEU 6.95 290 P 41 23.60 2.0
eSn 42 30.20
CZI 7.00 309 P 41 22.60 0.5
PHP 7.03 344 ePn 41 20.80 -1.8
SKO 7.12 350 iPn 41 22.60 -1.2
eSn 42 16.00
TDS 7.14 313 P 41 24.10 0.0
eSn 42 30.50
LACI 7.17 339 ePn 41 28.50 3.9X
CSI 7.24 314 P 41 26.40 0.8
ORI 7.33 316 P 41 27.10 0.2
eSn 42 35.20
KKS 7.40 344 ePn 41 27.00 -0.8
BRT 7.52 323 P 41 28.40 -1.0
eSn 42 38.50
SDA 7.58 339 ePn 41 30.50 0.2
MGR 7.91 313 P 41 34.10 -0.8
eSn 42 48.00
SGO 8.32 314 P 41 40.30 -0.3
CSS 8.40 87 eP 41 43.00 1.2
eS 43 07.80
KOT 8.92 122 ePn 41 47.50 -1.5
eSn 43 20.00
DUI 9.52 317 P 41 58.00 0.7
SDI 9.92 315 P 42 02.50 -0.2
PTJ 12.19 336 eP 42 29.60 -4.1X
CEY 12.62 331 e(Pn) 42 37.40 -1.9
eSn 44 46.50
LJU 12.83 332 eP 43 04.00 21.9X
e(S) 44 50.00
VOY 13.07 330 e(Pn) 42 43.30 -2.1
e(Sn) 44 56.80
ZST 13.95 343 eP 43 07.00 10.2X
SPC 14.37 352 eP 43 09.50 7.0X
KHC 15.80 336 Pc 43 26.00 5.1X
1.0s 8.20nm 3.8mb
e 43 48.50
e 59 22.50
eSg 59 53.50
PRU 16.27 340 eP 43 30.00 3.2X
e 59 09.50
e 59 22.00
Sg 59 28.50
KSP 16.62 345 iPc 43 35.20 3.9X
GRF 17.10 333 e(Pn) 43 40.40 3.0X
BRG 17.23 340 e(P) 43 42.00 3.1X
BSF 17.70 322 eP 43 44.80 -0.1
1.0s 6.20nm 3.7mb
MOX 17.76 335 e(P) 43 47.50 2.0
e 44 06.00
CDF 17.84 324 eP 43 45.40 -1.3
0.7s 2.75nm 3.5mb
CLL 17.89 339 eP 43 49.00 1.9
e 44 02.00
HAU 18.04 321 eP 43 47.80 -1.2
LDF 21.92 315 eP 44 32.70 1.3
1.1s 14.15nm 4.3mb
LPF 22.19 313 eP 44 34.90 0.8
1.6s 43.55nm 4.6mb
OBN 22.20 21 eP 44 39.00 4.8X
e 45 15.00
FLN 22.21 316 eP 44 35.70 1.4
1.5s 40.75nm 4.6mb
GKN 52.23 80 P 48 56.90 7.2X
DMN 52.77 80 P 48 53.00 -0.9
PKI 53.03 80 P 48 54.20 -1.7
GUN 53.27 79 P 48 57.00 -0.7
S.D. = 1.3 on 40 of 53 obs.

? JUN 16, 1992 03h 41m 45.15± 9.06s
17.767 N ±24.7km 63.263 W ±69.7km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 3.1 (TRN).

SKI 0.66 131 eP 41 57.97 -0.3
eS 42 08.06
NEV 0.91 133 eP 42 02.97 0.4
eS 42 16.44
CPB 1.38 95 eP 42 10.37 0.0
eS 42 30.48
MGH 1.44 136 eP 42 11.33 0.0
eS 42 32.35
ANG 1.50 114 eP 42 12.16 0.1
eS 42 34.23
BPA 1.52 118 eP 42 12.27 -0.2
eS 42 34.36
S.D. = 0.3 on 6 of 6 obs.

JUN 16, 1992 03h 44m 37.02± 0.77s
59.694 N ± 6.4km 5.983 E ± 6.1km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
MD 2.3 (BER). ML 2.0 (NAO).

ODD1 0.39 56 iPc 44 45.27 0.2
eSg 44 50.36
KMY 0.61 218 iPc 44 49.40 0.1
eSg 44 57.56
EGD 0.69 327 eP 44 50.55 -0.2
eSg 45 00.02
BER 0.76 335 eP 44 51.58 -0.3
ASK 0.88 334 eP 44 53.69 -0.3
eSg 45 05.49
HYA 1.48 4 eP 45 04.01 0.4
eSg 45 23.85
SUE 1.50 337 eP 45 03.43 -0.4
eS 45 21.93
FRO 2.14 346 eP 45 14.73 1.5
eS 45 38.73
NRA0 2.96 67 eP 45 24.64 -0.3
Sn 45 58.41
MOL 2.98 14 eP 45 24.63 -0.6
eS 45 58.91
S.D. = 0.7 on 10 of 10 obs.

& JUN 16, 1992 03h 45m 08.09s
40.474 N 124.635 W
DEPTH = 22.7km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.6 (GM). ML 3.1
(GS).

FHC 0.59 56 iPd 45 19.15 -0.6
LTCM 1.94 97 eP 45 38.49 -1.7
LBFM 2.26 66 eP 45 44.18 -0.7
ORV 2.58 110 iPc 45 46.56 -2.7
DBO 2.84 21 P 45 51.67 -1.4
HSO 3.26 20 P 45 57.76 -1.3
RNO 3.50 11 P 46 01.74 -0.7
HBO 3.78 26 P 46 05.77 -0.7
ARN 3.95 141 (P) 46 06.65 -2.1
MPOR 4.11 11 P 46 10.21 -0.9
FBO 4.12 21 P 46 10.46 -0.9
NCOR 4.15 38 P 46 11.01 -0.7
TCO 4.27 31 Pc 46 12.57 -0.9
SSOR 4.66 19 P 46 18.79 -0.2
BPO 4.71 27 P 46 18.77 -0.9
GMO 4.81 33 P 46 19.91 -1.1
GT2 4.99 20 P 46 23.22 -0.3
VIPM 5.01 35 P 46 22.75 -1.1
KMOR 5.23 9 P 46 25.74 -1.2
CROR 5.25 30 P 46 25.87 -1.3
VLMM 5.41 20 P 46 30.41 0.9
VTHM 5.58 31 P 46 31.30 -0.5
MTMW 5.82 17 P 46 33.96 -1.4

EDR No. 6-92
Part 2 of 2
P. 213-425

U. S. DEPARTMENT OF THE INTERIOR

Geological Survey

EARTHQUAKE DATA REPORT

The Earthquake Data Report (EDR) is a bulletin of all seismic phase and amplitude data which were associated with events published in the Preliminary Determination of Epicenters (PDE) Monthly Listing. It also contains information about the hypocentral computations (such as standard errors) that are not included in the PDE Monthly Listing. A machine-readable version of this EDR is available from the Books and Open-File Reports Section of the U.S. Geological Survey.

All data in the EDR are grouped by event, with events listed by origin time in date/time order through the month. All times are in Coordinated Universal Time (UTC). Locations are in decimal degrees of geographic latitude and longitude. Depths are in kilometers below the free surface. Hypocentral coordinates are determined by a modified Geiger's method and may be constrained by reported first arriving P-waves, Pdiff, and the DF branch of PKP. Data are corrected for station elevation and for the ellipticity of the Earth. Outliers may be truncated (ie., removed from the calculation) either automatically or manually. The solution is allowed to converge between rounds of automatic truncation to insure a unique result. Convergence is aided by step length damping.

The error bars of the computed hypocentral coordinates are 90% marginal confidence intervals incorporating Baysian information to stabilize estimates derived from small samples (Jordan and Sverdrup, 1981). It is assumed that the travel-time errors *of the data used* are independent, unbiased, and have an expected standard deviation of 1 s. Monte Carlo experiments suggest that the error bars are accurate for events constrained by more than about 30 data. However, care should be exercised in interpreting these numbers in terms of absolute location accuracy because of unmodeled biases. Analysis of events with independently known coordinates indicates that most PDE determinations are accurate to a few tenths of a degree in epicentral position and 25 km in depth. For special studies, we urge that inquiry be made to this office for possible recomputation of hypocenters of interest, using more complete instrumental data.

Restricted focal depths occur in four instances. If at any point in the computation the depth becomes negative, the solution is automatically restricted at 33 km and indicated by "NORMAL DEPTH." If the unrestricted depth computation is unsatisfactory, and in the judgment of the reviewing geophysicist the earthquake probably has a shallow focus, a solution may be held at 33 km. These are also indicated by "NORMAL DEPTH." The geophysicist may restrain the depth at any value indicated by evidence from available seismograms. These are indicated by, for example, "DEPTH = 100 KM (GEOPHYSICIST)." If two or more pP phases are identified, and in general, yield depths within 10 km of the mean, then the depth is automatically restricted to this value and denoted by, for example, "DEPTH = 51 KM (5 DEPTH PHASES)." pP phases may also appear as unidentified second arrivals with associated travel-time residuals. Hypocentral coordinates derived from other sources, such as the California Institute of Technology, the University of California at Berkeley, and the U. S. Department of Energy are noted on the EDR.

Two types of magnitude are computed: body-wave magnitude (m_b) and surface-wave magnitude (M_{SZ}). Each is a 25% trimmed mean of individual station values. Station magnitudes not used in the trimmed mean are marked with an X. This includes station magnitudes of either type which deviate significantly from the mean and surface-wave magnitudes determined from horizontal amplitudes. Body-wave magnitudes are computed according to the formula $\log(A/T)+Q$, derived by Gutenberg and Richter (1956), where A is the P-wave amplitude in micrometers, T is the period in seconds, and Q is the depth-distance factor. Surface-wave magnitudes are computed from the formula $\log(A/T) + 1.66\log(\Delta) + 3.3$, where A is the maximum vertical surface-wave amplitude in micrometers, T is the period in seconds, and Δ is the epicentral distance in degrees. Surface-wave magnitudes are determined only for earthquakes whose focal depths (taking into account the computed standard deviations) are potentially less than 50 km, for stations having $20° \leq \Delta \leq 160°$, and for reported periods of $18 \leq T \leq 22$ s. No correction for focal depth is used in the M_S calculation. Body-wave magnitudes are not determined from PKP arrivals or for stations having $\Delta \leq 5°$. Amplitude values stated in this report are in nanometers (nm) for body-waves and micrometers (μm) for surface-waves.

The travel-time residual (observed – computed) is based on the 1940 Jeffreys-Bullen P and 1968 Bolt PKP travel-time tables. Phases not used in the computation are marked by an X. The azimuth from the epicenter to the station is measured clockwise from north. The epicentral distance is the central angle in degrees.

The pulse distortion of seismic phases that have ray paths that touch a single internal caustic (*e.g.*, PP, pPP, SS and PKPab) can be corrected using the method of Hilbert transformation described by Choy and Richards (1975). Arrival times that are read from the phases that are corrected for pulse distortion are identified by the symbol H preceding the phase identifier (*e.g.*, HPP, HpPP, HSS and HP′ab).

Hypocenter Symbols

& Indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations in the PDE Monthly Listing.

% Indicates a single network solution. A non-furnished hypocenter has been computed using data reported by a single network of stations for which the date and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. Also, if we define η to be the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse, then $\eta \leq 16.0$ km.

* Indicates a less reliable solution. In general, $8.5 < \eta \leq 16.0$ km.

? Indicates a poor solution, published for completeness of the catalog. In general, $\eta > 16.0$ km. This includes poor solutions computed using data reported by a single network.

The lack of any symbol indicates that $\eta \leq 8.5$ km.

Note: On printers available to the NEIS for this publication, the symbol for degrees (°) appears as "`". Also note that certain phase codes are abbreviated because the data base and file format limit the length of the codes to five characters. Thus, PKP is occasionally abbreviated to P′ and the numbers 2 and 3 are sometimes used to represent the AB (AC for SKKS) and BC branches of core phases, respectively. In some codes, R is used to represent repetition; for example, pRPKP represents the phase pPKPPKP and RRPG represents PgPgPg.

References

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Jeffreys, Harold and K. E. Bullen (1940), *Seismological Tables*, British Assoc. for the Advancement of Science, Gray Milne Trust.

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23 obs. associated

? JUN 16, 1992 03h 56m 27.02± 1.03s
6.998 N ±22.4km 73.033 W ±17.7km
DEPTH = 160.2 ± 14.4 km
3.9mb (1 obs.)
NORTHERN COLOMBIA (99)

BMG 0.08 330 iPc 56 49.00 -1.0
BOG 2.57 204 eP 57 11.00 0.7
eS 57 40.00
TOV 4.24 49 iPnc 57 33.50 2.1
eSn 58 28.60
CEOS 5.07 66 iP 57 42.40 -0.1
OLLA 6.85 64 iP 58 05.80 -0.5
GUAN 7.87 68 iP 58 19.00 -1.0
YKA 63.13 340 eP 06 39.20 -0.3
0.5s 0.80nm 3.9mb
WB2 150.48 241 ePKP 16 01.10 4.8X
0.2s 2.60nm
WRA 150.49 241 PKP 16 01.60 5.3X
0.5s 0.50nm
S.D. = 1.5 on 7 of 9 obs.

% JUN 16, 1992 04h 10m 28.14± 1.06s
40.604 N ± 8.9km 15.888 E ± 7.7km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

SGO 0.44 264 P 10 37.50 0.3
MGR 0.53 209 P 10 37.70 -1.2
eSg 10 47.50
ORI 0.69 141 P 10 40.50 -1.3
eSg 10 52.00
CSI 0.88 159 P 10 47.60 2.5X
BAI 0.90 55 P 10 46.00 0.6
TDS 1.01 160 P 10 46.70 -0.5
eSg 11 01.20
BRT 1.04 74 P 10 46.70 -1.0
eSg 11 01.10
ROI 1.16 153 P 10 52.20 2.4
CZI 1.40 172 P 10 54.30 0.7
S.D. = 1.5 on 8 of 9 obs.

? JUN 16, 1992 05h 40m 36.85± 6.07s
17.725 N ±19.5km 63.175 W ±42.2km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 3.1 (TRN).

BSK 0.49 140 eP 40 46.84 0.0
eS 40 55.73
SKI 0.57 133 eP 40 48.50 0.1
eS 40 57.69
NEV 0.82 135 eP 40 52.68 -0.1
eS 41 07.32
CPB 1.29 94 eP 41 00.61 -0.1
eS 41 20.16
MGH 1.36 137 eP 41 01.71 -0.1
eS 41 21.84
ANG 1.40 114 eP 41 02.74 0.3
eS 41 24.64
BPA 1.43 118 eP 41 02.67 -0.2
eS 41 24.47
S.D. = 0.2 on 7 of 7 obs.

JUN 16, 1992 05h 51m 03.74± 0.08s
45.704 N ± 1.7km 142.263 E ± 1.9km
DEPTH = 316.6km (geophysicist)
5.7mb (161 obs.)
HOKKAIDO, JAPAN REGION (224)
Felt on Hokkaido and Honshu.
Depth from broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=133 Dip=84 Slip= 35
NP2: 39 55 173
Principal Axes:
T Plg=29 Azm= 2
P 19 261
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 2.8±0.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 318 No. of sta: 20
Moment Tensor; Scale 10**18 Nm
Mrr= 0.05 Mtt= 0.83
Mff=-0.88 Mrt= 0.84
Mrf=-0.23 Mtf=-0.15
Principal axes:
T Val= 1.39 Plg=33 Azm= 7
N -0.46 53 157
P -0.93 15 268
Best Double Couple:Mo=1.2*10**18
NP1:Strike= 43 Dip=56 Slip= 166
NP2: 141 78 35
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 78C
Centroid Location:
Origin Time 05:51: 7.0 0.2
Lat 45.49N 0.02 Lon 142.47E 0.02
Dep 330.4 1.5 Half-duration 3.9
Moment Tensor; Scale 10**17 Nm
Mrr=-0.19 0.15 Mtt= 9.31 0.24
Mff=-9.12 0.23 Mrt= 6.27 0.24
Mrf=-2.68 0.23 Mtf=-0.63 0.21
Principal Axes:
T Val= 12.57 Plg=27 Azm= 5
N -2.63 57 146
P -9.94 18 266
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 43 Dip=58 Slip= 173
NP2: 137 84 33

YSS 1.35 13 ePn 51 49.46 1.5
iS 52 22.00
ASAJ 1.61 170 iP+ 51 51.20 1.7
S 52 28.80
SAP 2.73 195 iP 52 00.30 1.9
iS 52 43.00
KUSJ 3.14 145 iP+ 52 01.70 -0.7
eS 52 47.70
MRRJ 3.39 195 iP+ 52 05.60 0.8
HOOJ 3.40 167 P 52 03.50 -1.5
eS 52 50.40
SHO 3.72 118 iPn 52 07.70 -0.5
KUR 3.97 95 iPnd 52 12.00 1.1
iS 53 06.00
AOMJ 5.32 196 P 52 25.30 -0.8
eS 53 28.40
OFUJ 6.63 184 iP+ 52 40.10 -1.5
eS 53 53.70
YAMJ 7.71 193 iP+ 52 53.50 -1.1
S 54 19.40
VLA 7.86 255 iPnd 52 57.50 1.1
OKH 7.87 3 iPnc 52 59.00 2.6
NIIJ 8.80 197 iP+ 53 06.70 -1.2
S 54 45.50
MDJ 9.02 268 iPnd 53 12.18 1.6
ScP 02 02.00
ScS 05 36.00
KAKJ 9.62 190 iP+ 53 15.00 -2.9X
S 54 57.30
MAJO 9.65 200 iPnc 53 17.44 -0.9
MAT 9.65 200 P 53 18.00 -0.3
MTMJ 9.71 202 iP+ 53 18.80 -0.3
S 55 09.20
CHJJ 9.96 195 iP+ 53 20.50 -1.6
eS 55 07.60
SKR 10.48 57 iPnd 53 28.40 -0.1
iS 55 21.00
IIDJ 10.73 199 iP+ 53 30.20 -1.4
S 55 27.60
TSRJ 11.22 207 iP+ 53 37.00 -0.5
eS 55 38.70
CN2 12.11 267 iPd 53 48.20 -0.1
1.2s 5120.00nm 6.7mb
S 56 00.00
PcP 59 05.00
ScP 02 03.40
ScS 05 39.00
YONJ 12.45 216 iP+ 53 52.30 -0.1
S 56 08.00
WKYJ 12.55 206 P 53 52.70 -1.0
S 56 05.20
PET 12.93 50 ePn+ 53 57.00 -1.1
N 16s 3.30um
E 12s 4.00um
TKSJ 13.29 211 iP+ 54 01.90 -0.6
S 56 23.00
SHK 13.34 217 iP 54 03.80 0.6
1.0s 80.00nm 5.0mb
e 56 33.00
SNY 14.04 261 iPd 54 12.00 0.4
1.4s 2440.00nm 6.4mb
Z 12s 3.93um 4.7Msz
E 14s 5.58um
sP 55 34.00
iS 56 44.00
ScS 05 45.00
SHNJ 14.37 220 eP 54 14.30 -1.2
SHNJ 14.37 220 P 54 14.40 -1.1
MGD 15.29 16 ePc+ 54 24.00 -1.5
1.2s 2330.00nm 6.4mb
Z 12s 3.80um 6.3Msz
N 12s 3.10um
E 12s 3.10um
iS 57 08.00
HIA 15.62 291 iPd 54 27.65 -1.5
KUMJ 15.84 218 iPd 54 31.40 -0.1
eS 57 19.70
DL2 16.68 253 P 54 40.00 -0.4
1.0s 900.00nm 6.1mb
Z 10s 1.64um 4.5MszX
N 10s 8.46um
E 10s 5.11um
S 57 36.00
KAGJ 16.99 215 P 54 43.40 -0.2
S 57 43.90
YAK 17.88 341 iPc+ 54 50.60 -2.0
0.8s 2036.00nm 6.6mb
iS 57 56.00
SEY 18.18 15 iPc 54 55.00 -0.5
1.0s 1400.00nm 6.3mb
iS 58 06.00
CIT 19.80 299 eP 55 10.80 -1.1
eS 58 31.00
BJI 19.90 263 iPd 55 12.73 -0.1
eS 58 38.00
eScS 06 03.00
BOD 21.02 315 eP 55 23.20 -0.4
2.0s 438.00nm 5.4mb
TIA 21.15 252 Pd 55 26.00 1.0
2.0s 2760.00nm 6.2mb
sP 57 01.00
S 59 00.00
eScS 06 06.90
SMY 21.82 60 eP 55 32.33 1.0
0.8s 535.91nm 5.9mb
epP 56 30.96
SSE 21.94 236 iPd 55 33.46 0.8
1.6s 1280.00nm 6.0mb
Z 16s 3.20um 4.8MszX
N 10s 2.80um
E 10s 1.30um
S 59 10.00
NJ2 22.65 241 Pd 55 39.80 0.4
1.2s 1070.00nm 6.1mb
N 10s 11.90um
E 10s 14.60um
S 59 25.00
HHC 22.79 269 Pd 55 41.80 0.9
1.0s 470.00nm 5.8mb
Z 13s 4.16um 5.1MszX
sP 57 20.00
S 59 23.00
ScS 06 12.50
TIY 23.56 261 iPd 55 49.00 1.1
1.6s 3470.00nm 6.5mb
S 59 40.00
BTO 23.97 269 iPc 55 52.50 0.7
1.0s 670.00nm 6.0mb
N 10s 5.33um
S 59 42.50
IRK 25.53 299 ePd 56 05.40 -0.3
1.2s 107.00nm 5.1mb
ePPP 56 58.30
iS 00 08.00
ZAK 26.26 294 iPd- 56 11.80 -0.4
1.0s 2209.00nm 6.5mb
Z 12s 5.39um 5.3MszX
e 59 28.00
eS 00 18.00
WHN 26.50 245 iPd 56 14.00 -0.5

16d 05h

0.7s 220.00nm 5.7mb
pP 57 12.00 313kmX
PcP 59 31.00
S 00 24.00
ScP 02 39.50
ScS 06 28.50
TATO 26.59 226 eP 56 15.30 -0.2
ADK 27.46 62 eP 56 22.20 -0.8
0.5s 63.02nm 5.3mb
epP 57 23.84 333kmX
MOY 27 61 298 ePd 56 23.90 -0.4
1.5s 92.00nm 5.0mb
XAN 27.92 257 iPd 56 26.80 -0.5
1.2s 410.00nm 5.8mb
N 14s 6.25um
E 10s 1.13um
PP 57 34.50
OZH 28.14 231 iPd 56 29.50 0.3
1.5s 850.00nm 6.0mb
S 00 53.00
ENH 29.83 250 iPd 56 42.48 -1.5
ILT 29.97 28 iPc+ 56 42.00 -2.8
1.3s 280.00nm 5.6mb
Z 14s 2.90um 5.1MszX
N 14s 3.10um
E 12s 1.90um
i 59 33.00
iS 01 10.00
esS 03 00.00
e 06 44.00
LZH 30.34 265 iPd 56 49.31 0.7
1.0s 890.00nm 6.2mb
Z 12s 2.67um 5.1MszX
PcP 59 42.00
GTA 31.61 274 iPd 57 04.00 4.4X
1.0s 400.00nm 5.8mb
Z 10s 5.13um 5.5MszX
pP 58 02.00 297kmX
PcP 59 44.00
S 01 45.00
ScP 02 55.00
ScS 06 54.00
PJG 32.09 175 eP 57 02.20 -1.5
GUMO 32.09 175 eP 57 02.20 -1.5
1.1s 247.10nm 5.6mb
pP 57 52.80 252kmX
PP 58 16.40
SP 58 30.60
eS 01 43.60
GUA 32.14 175 eP 57 01.50 -2.7
0.5s 112.68nm 5.6mb
GZH 32.54 236 iPd 57 08.20 0.6
0.8s 470.00nm 6.0mb
Z 14s 2.36um 5.0MszX
S 01 58.00
HKC 32.68 234 eP 57 09.50 0.7
MCO 33.17 234 iPd 57 13.70 0.7
CD2 33.28 257 iPd 57 13.90 0.0
1.0s 950.00nm 6.2mb
S 02 08.00
ANM 34.08 38 eP 57 18.91 -1.4
iPcP 59 50.45
GYA 34.21 248 iPd 57 21.00 -0.9
1.0s 1660.00nm 6.5mb
Z 16s 4.58um 5.3MszX
N 10s 0.74um
E 10s 1.06um
S 02 19.00
ScS 07 06.00
BCP 34.36 219 eP 57 23.00 0.0
NRI 35.67 331 iPc+ 57 30.70 -2.8
1.0s 110.00nm 5.3mb
i 02 40.00
SDN 36.66 54 iPd 57 41.02 -1.0
0.4s 205.38nm 5.9mb
iPcP 59 56.60
PGP 36.82 216 eP 57 44.50 0.9
PLP 37.45 209 ePc 57 50.00 1.1
KMI 37.70 251 iPd 57 51.65 0.4
1.8s 2100.00nm 6.2mb
iS 03 17.00
QIZ 37.74 236 iPd 57 52.35 1.1
0.7s 590.00nm 6.1mb
ec 59 04.08 369kmX
PP 59 26.50
S 03 19.00
SS 06 14.00

WMQ 38.16 287 iPd 57 55.50 0.9
0.8s 280.00nm 5.7mb
Z 16s 2.59um 5.1MszX
pP 59 02.50 339kmX
sP 59 41.50
PcP 00 02.50
ScP 03 17.00
S 03 23.00
PcS 03 45.00
ScS 07 26.00
TTA 38.17 41 eP 57 53.08 -1.4
1.0s 179.82nm 5.4mb
eScP 03 18.59
BRW 38.29 27 eP 57 53.70 -1.5
SVW 38.48 44 eP 57 57.07 0.0
0.9s 128.11nm 5.3mb
iPcP 00 03.86
eScP 03 19.87
MAP 38.58 210 ePc 57 58.00 -0.1
IMA 39.07 36 ePc 57 59.97 -1.9
(pP) 59 07.91 343kmX
ePcP 00 05.52
eScP 03 22.67
BIP 39.81 205 iPc 58 07.00 -1.3
REF 39.98 44 ePc 58 09.34 -0.2
CGP 40.08 208 eP 58 09.00 -1.5
CPKM 40.10 43 eP 58 11.41 0.9
CRP 40.13 43 eP 58 10.51 -0.2
KDC 40.58 48 eP 58 12.58 -1.6
0.4s 44.05nm 5.1mb
epP 59 18.93 331kmX
SLKM 41.19 44 eP 58 17.73 -1.4
PMR 41.52 42 eP 58 20.99 -0.7
0.4s 66.55nm 5.2mb
COL 41.61 37 iPc 58 21.50 -0.9
epP 59 27.17 326kmX
FBA 41.61 37 ePc 58 21.07 -1.4
epP 59 29.38 341kmX
LSA 42.74 266 iPd 58 33.00 0.4
KLU 43.04 42 eP 58 33.03 -1.2
LOE 43.89 244 eP 58 41.00 -0.3
CHG 44.63 248 iPd 58 47.60 0.5
eS 05 00.00
CHTO 44.63 248 eP 58 45.46 -1.7
epPd 59 52.22 328kmX
BALM 44.83 42 eP 58 47.96 -0.4
epP 59 55.29 331kmX
PRZ 44.90 290 iPc+ 58 52.00 2.8X
1.4s 580.00nm 5.7mb
e 00 34.00 563kmX
iS 05 06.00
eSS 08 08.00
TLG 45.21 291 iP 58 53.00 1.5
Z 14s 1.00um 4.9MszX
TLG 45.21 291 iP 58 53.40 1.9
1.9s 270.00nm 5.2mb
BDT 45.74 246 eP 58 57.00 1.2
1.0s 69.00nm 4.9mb
NST 46.20 244 iPd 59 01.00 1.6
TSM 46.41 215 ePd 59 01.30 0.3
MNI 46.67 204 eP 59 04.20 1.2
eS 00 15.00
FRU 47.21 292 iP 59 07.80 0.8
2.0s 420.00nm 5.4mb
e 00 16.00 332kmX
e 01 04.00
iS 05 36.00
e 08 24.00
AAK 47.38 292 iPd 59 08.70 0.2
GUN 47.51 268 P 59 08.80 -1.1
KHT 47.84 244 iPd 59 13.00 0.9
KSH 47.95 287 iPd 59 14.90 2.0
1.4s 420.00nm 5.5mb
Z 16s 2.38um 5.3MszX
N 11s 1.74um
E 11s 1.84um
pP 00 17.00 296kmX
PP 01 11.00
S 05 48.00
ScS 08 32.00
KKN 48.00 269 P 59 12.90 -0.6
PKI 48.04 268 P 59 12.40 -1.6
MBC 48.07 19 ePc 59 11.50 -1.7
0.5s 80.00nm 5.3mb
DMN 48.23 268 P 59 14.30 -1.0
GKN 48.32 269 P 59 14.80 -1.1
NNT 48.80 241 eP 59 20.00 0.6

WWKK 49.12 178 eP 59 23.20 1.4
SVE 49.31 314 iPc 59 21.50 -1.3
2.1s 240.00nm 5.2mb
Z 14s 2.00um 5.3MszX
N 14s 0.50um
E 14s 1.50um
e 01 03.20 540kmX
iS 06 00.00
i 08 35.00
SIT 49.61 45 eP 59 25.58 0.6
0.9s 313.23nm 5.6mb
epP 00 36.00 340kmX
RAB 50.45 167 eP 59 33.00 1.1
0.7s 252.05nm 5.7mb
eS 00 39.00
ARU 50.51 314 ePc 59 30.00 -1.9
0.7s 120.00nm 5.4mb
Z 16s 2.00um 5.2MszX
E 16s 1.50um
e 00 41.00 341kmX
i 01 12.20
e 02 43.00
iS 06 17.00
e 08 41.00
AAI 50.74 198 ePd 59 34.50 0.5
GAR 51.95 290 iP 59 43.00 0.1
i 00 52.00 327kmX
i 01 38.00
i 08 56.00
iSSS 12 30.00
KBS 52.26 349 eP 59 44.00 -0.5
LAT 52.29 174 eP 59 46.40 1.0
SNG 52.54 236 eP 59 48.10 0.8
1.3s 403.85nm 5.7mb
eS 06 52.00
NDI 53.10 275 iPd 59 50.50 -0.9
0.5s 549.30nm 6.2mb
IPM 54.42 234 eP 00 01.00 0.0
0.5s 120.80nm 5.6mb
PMG 55.03 174 eP 00 04.00 -1.3
APA 55.16 334 iPd 00 03.20 -2.5
iS 07 18.00
KGM 55.28 230 ePd 00 07.50 0.4
0.4s 225.70nm 6.0mb
YKA 56.09 33 eP 00 11.30 -1.0
0.6s 105.30nm 5.4mb
HNR 57.14 159 eP 00 20.00 0.0
TPI 57.18 222 ePd 00 19.50 -0.9
e 04 00.00
DAG 57.21 355 iPd 00 17.60 -2.4
0.5s 92.25nm 5.5mb
TRO 57.76 340 eP 00 22.50 -1.4
WSI 58.56 206 ePd 00 25.80 -4.0X
e 01 57.20 440kmX
KHKI 58.89 211 ePc 00 29.10 -3.0X
e 04 32.10
MTN 59.14 193 eP 00 33.00 -0.7
0.4s 121.00nm 5.8mb
QUE 59.29 283 eP 00 35.00 0.0
eS 02 55.20
HYB 59.43 264 ePd 00 35.00 -0.9
0.5s 277.80nm 6.0mb
eS 08 18.00
SJI 59.80 216 iPc 00 38.00 -0.3
PGC 60.05 50 eP 00 40.00 0.3
ASH 60.29 295 eP 00 41.00 -0.5
1.4s 260.00nm 5.6mb
e 01 19.00 162kmX
SP 02 26.00
ePPP 04 26.00
iS 08 32.00
e 08 46.00
e 08 56.00
eSS 12 32.00
KLI 60.36 224 ePd 00 52.00 9.9X
MCW 60.36 49 eP 00 42.98 1.0
KSI 60.43 227 eP 00 43.20 0.6
e 01 35.00 227kmX
MAIO 60.55 293 iPd 00 43.40 0.0
eS 08 30.00
MOS 60.78 321 iPc 00 43.00 -1.5
2.0s 190.00nm 5.3mb
Z 12s 1.60um 5.4MszX
i 01 18.00 147kmX
e 02 59.00
e 04 34.00
iS 08 32.00

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                    i      09 59.00
KAF   60.96 331 iP     00 43.30  -2.3
      0.6s    61.70nm           5.3mb
GMW   61.07  50 eP     00 46.90   0.3
PUL   61.14 328 (P)    00 44.00  -2.8
   Z  12s     0.60um          5.0MszX
   N  12s     0.60um
   E  20s     0.80um
                eS     08 36.00
                sS     09 59.00
                e      12 52.00
                e      15 35.00
PUL   61.14 328 eP     00 46.00  -0.8
BMW   61.48  52 eP     00 49.44   0.1
                epP    02 02.60 333kmX
OBN   61.64 321 iPc+   00 49.00  -1.2
      1.0s    70.00nm           5.2mb
   Z  11s     1.40um          5.4MszX
   N  12s     1.20um
   E  12s     1.00um
                e      01 24.50 149kmX
                esP    02 31.00
                e      03 08.00
                ePPP   04 46.00
                iS     08 42.00
                i      10 05.00
                iSSS   15 50.00
RMW   61.65  50 eP     00 51.14   0.6
                epP    02 03.14 327kmX
PNT   61.66  47 eP     00 50.00  -0.5
      0.7s   119.00nm           5.6mb
POO   61.97 268 iPd    00 53.80   0.9
LON   62.08  51 eP     00 53.45   0.1
SHW   62.19  51 eP     00 55.25   1.1
                epP    02 07.84 329kmX
KNA   62.37 195 eP     00 54.90  -0.4
NUR   62.66 330 eP     00 55.00  -1.8
      0.5s   104.20nm           5.7mb
                e      08 56.00
                e      10 12.00
                e      16 18.00
DPW   63.30  48 eP     01 01.32   0.0
                epP    02 13.38 324kmX
VGB   63.41  51 eP     01 02.40   0.4
NEW   63.61  47 eP     01 03.00  -0.2
      0.8s   113.33nm           5.6mb
                epP    02 15.30 325kmX
                esP    02 56.50
BAK   64.00 302 eP     01 05.00  -0.8
                iS     09 18.00
FHC   64.56  57 eP     01 10.48   1.1
      0.9s   144.76nm           5.7mb
                epP    02 24.36 332kmX
GRO   64.57 307 iP     01 10.00   0.6
                iS     09 22.00
SHE   64.60 303 iPc    01 10.50   1.0
      0.4s   150.00nm           6.1mb
   Z  14s     0.50um          4.9MszX
   N  12s     1.00um
   E  15s     0.80um
                iS     09 23.50
GDH   64.77   6 iPc    01 10.00  -0.2
      0.8s   104.48nm           5.6mb
                i      09 23.00
                i      10 32.00
RGS   65.06 338 eP     01 06.00  -6.2X
SES   65.21  42 eP     01 13.00  -0.4
      0.9s   245.00nm           5.9mb
                pP     01 24.00  36kmX
UPP   65.49 333 iP     01 12.30  -2.6
                i      01 13.90   5kmX
                iS     09 28.00
CTA   65.58 176 eP     01 15.40  -0.5
      1.0s   134.50nm           5.6mb
                e      02 30.50 337kmX
                eS     09 40.80
PYA   65.59 309 iPd    01 15.50  -0.4
      1.0s   100.00nm           5.5mb
   Z  18s     1.50um          5.2Msz
                ePPP   03 44.50
                iS     09 34.00
WB2   65.73 188 iPc    01 16.00  -0.8
      0.5s    92.60nm           5.8mb
                iPcP   01 45.80
                iPP    02 28.60
WRA   65.73 188 P      01 10.89  -6.0X
KIV   65.85 309 iPc    01 17.43  -0.2
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                epP    02 26.96 308kmX
                ec     02 30.54
QIS   65.99 183 eP     01 17.00  -1.5
FCC   66.02  28 ePc    01 18.80   0.5
LTCM  66.03  57 eP     01 18.78   0.1
                epP    02 32.79 331kmX
MOL   66.18 339 eP     01 18.75  -0.5
MNK   66.31 324 eP     01 15.00  -5.2X
                ePPP   05 24.00
                eS     09 32.00
                e      10 36.00
NB2   66.47 336 P      01 19.50  -1.7
      0.7s    85.30nm           5.6mb
GRS   66.68 303 eP     01 23.00   0.0
      1.5s   100.00nm           5.3mb
                e      02 30.00 294kmX
                iS     09 46.00
ORV   66.82  57 eP     01 22.45  -1.2
                epP    02 36.42 329kmX
ERE   67.30 305 iP-    01 21.00  -5.7X
      1.0s    22.00nm           4.8mb
                iS     09 54.00
FRO   67.53 340 eP     01 28.00   0.3
LRM   67.62  47 eP     01 28.40  -0.4
                e      02 42.40 329kmX
FOO   67.63 339 eP     01 28.58   0.3
SOC   67.70 310 eP     01 29.00   0.0
      0.8s   170.00nm           5.8mb
   Z  16s     0.50um          4.8MszX
   N  16s     0.60um
   E  15s     0.80um
                eS     10 00.00
                e      10 54.00
                eSSS   17 39.00
HYA   67.71 339 eP     01 28.56  -0.2
AKU   67.91 351 iP     01 31.00   1.1
      0.9s    57.14nm           5.3mb
KONO  68.08 336 ePc    01 30.60  -0.4
ANN   68.10 312 eP     01 31.00  -0.4
      0.5s    70.00nm           5.6mb
   Z  14s     1.00um          5.2MszX
   N  16s     1.00um
   E  16s     1.00um
                iS     10 03.00
                e      10 36.00
                eSSS   17 36.00
SUE   68.16 339 eP     01 31.60   0.1
ARN   68.25  59 eP     01 32.78   0.3
ASK   68.55 339 iPd    01 33.30  -0.6
EGD   68.72 339 eP     01 35.30   0.4
HPI   68.73  49 eP     01 35.54  -0.1
SHI   69.28 291 eP     01 38.00  -1.1
ASPA  69.45 188 iPd    01 40.10   0.3
      0.7s   199.30nm           6.0mb
                i      02 53.60 324kmX
SIM   69.68 314 iP+    01 41.00   0.0
                iS     10 21.00
                e      11 12.00
PHAM  69.94  59 eP     01 43.18   0.4
PKEM  69.96  59 eP     01 44.26   1.4
HVU   70.23  50 eP     01 45.04   0.4
                epP    02 59.09 327kmX
COP   70.51 333 iPc+   01 45.60  -0.1
      0.7s   109.59nm           5.7mb
                iS     10 30.00
BCH   70.56  59 eP     01 46.59  -0.1
                epP    03 01.28 329kmX
KIS   70.74 318 iPc+   01 46.00  -1.3
      1.2s   220.00nm           5.8mb
   Z  16s     1.00um          5.2MszX
                iS     10 32.00
                isS    11 14.00
LVV   70.81 323 iP     01 48.00   0.3
   Z  11s     1.80um          5.6MszX
   N  12s     1.70um
   E  12s     1.20um
                epP    03 34.00 498kmX
                iS     10 33.00
                i      11 17.00
                eSSS   18 20.00
ISA   71.20  58 iPc    01 49.62  -0.8
                epPc   03 00.25 309kmX
                esPd   03 35.56
SBC   71.29  60 ePc    01 51.24   0.4
                epP    03 02.70 313kmX
                esPd   03 35.81
ABL   71.31  59 ePc    01 51.82   0.6
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                epP    03 05.83 325kmX
DUG   71.32  51 ePc    01 51.11   0.0
      0.8s    44.77nm           5.2mb
                epP    03 06.02 330kmX
PTT   71.94 320 eP     01 50.00  -4.4X
ULM   71.97  35 eP     01 55.00   0.5
DAU   72.01  50 ePc    01 55.57   0.2
                epP    03 10.36 329kmX
RMQ   72.09 174 iPd    01 56.30   1.0
      0.6s   106.00nm           5.7mb
                i      03 16.00 353kmX
OJC   72.24 325 iPc    01 55.70  -0.4
      0.6s   141.00nm           5.9mb
                iS     10 48.00
                i      11 32.00
PAS   72.42  59 ePc    01 57.13  -0.3
                epP    03 10.24 320kmX
                esPd   03 41.97
CFR   72.43 317 eP     01 57.00  -0.2
UZH   72.44 323 iPc    01 57.00  -0.3
      2.0s   600.00nm           6.0mb
                i      02 18.80  83kmX
                iS     10 55.00
                i      19 00.00
ARUT  72.65  54 iP     01 59.82   0.9
                epP    03 14.66 329kmX
SSK   72.67  59 ePd    01 59.79   0.7
                epP    03 14.64 329kmX
EMUT  72.67  51 eP     01 59.64   0.5
                epP    03 14.09 327kmX
MSU   72.85  52 ePc    02 00.58   0.4
                epP    03 15.67 330kmX
SPC   72.87 324 iPc    02 00.60   0.6
WARB  72.94 195 iPd    02 01.10   0.8
      0.3s    37.00nm           5.6mb
RSSD  73.02  44 ePc    02 00.29  -0.7
      0.8s    95.55nm           5.6mb
                ipP    03 14.80 327kmX
KSP   73.10 328 iPc    02 01.10   0.1
                e      03 17.00 334kmX
PEC   73.20  59 eP     02 01.53  -0.5
      0.9s    18.38nm           4.8mb
                epP    03 16.04 327kmX
MLR   73.23 319 ePc    02 03.00   0.9
SRU   73.33  51 eP     02 02.69  -0.2
                epP    03 17.54 328kmX
EDR   73.59 341 ePc    02 03.70  -0.1
      0.9s   126.00nm           5.6mb
PLM   73.76  59 eP     02 05.52   0.1
PFO   73.82  58 ePc    02 05.70   0.0
                epPc   03 18.82 320kmX
CLL   73.92 330 iPc    02 05.10  -0.6
      0.9s   220.00nm           5.9mb
                ipP    03 21.30 335kmX
                eS     11 07.00
BRG   73.94 329 iP     02 05.60  -0.3
      1.4s    20.00nm           4.7mb X
                ipP    02 21.60  58kmX
                iS     11 08.00
                isS    11 44.00
BUC   73.98 318 ePd    02 08.00   1.8
PSZ   74.01 324 iP     02 06.80   0.4
EDU   74.04 341 ePc    02 06.20  -0.2
      1.0s    83.00nm           5.4mb
ELO   74.27 341 ePc    02 07.60  -0.1
EBH   74.43 341 ePc    02 08.70   0.1
      0.9s   133.00nm           5.7mb
PRU   74.45 328 iPc    02 08.70  -0.1
      0.6s    73.00nm           5.6mb
   Z  13s     0.70um          5.1MszX
                pP     03 24.40 332kmX
                S      11 15.30
                i      11 48.80
ESY   74.52 340 ePc    02 08.90  -0.2
      0.9s    45.00nm           5.2mb
PV10  74.66  51 ePd    02 10.80   0.2
                ipP    03 26.20 330kmX
EAB   74.67 341 ePc    02 10.20   0.3
      1.2s    92.00nm           5.4mb
BUD   74.71 324 eP     02 09.50  -0.8
SRO   74.74 325 iP     02 11.50   1.0
WIT   74.75 334 eP     02 11.50   1.1
                e(pP)  03 28.00 335kmX
EBL   74.75 341 ePc    02 10.50   0.1
      0.9s    31.00nm           5.0mb
EAU   74.78 341 ePd    02 10.50  -0.1
      1.0s    58.00nm           5.3mb
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16d 06h

EYL	74.86	313	iP	02 12.00	0.6
ZST	74.92	325	iP	02 13.40	1.9
MOX	74.96	330	eP+	02 11.60	-0.1
	1.1s		153.00nm		5.6mb
			epP	03 29.20	341kmX
			eS	11 22.00	
DMK	75.13	315	iP	02 13.10	0.3
HOF	75.15	330	iPd	02 12.70	-0.1
	0.8s		119.00nm		5.7mb
VKA	75.17	326	iPc	02 14.10	1.2
	2.5s		728.00nm		6.0mb
			e	03 27.00	317kmX
			eS	11 28.00	
EKA	75.18	340	Pd	02 10.40	-2.4
	1.0s		52.90nm		5.2mb
GLA	75.18	58	eP	02 12.70	-0.6
			epP	03 27.65	327kmX
ESK	75.21	340	ePc	02 12.60	-0.4
YLV	75.26	313	eP	02 12.90	-0.7
IZI	75.38	313	iP	02 13.80	-0.5
WTS	75.41	333	eP	02 14.50	0.4
	0.8s		190.00nm		5.9mb
			ePcP	02 18.00	
			e(pP)	03 30.00	330kmX
KHC	75.51	328	iPc	02 15.00	0.2
	1.0s		150.00nm		5.7mb
Z	18s		0.80um		5.1Msz
N	18s		0.60um		
E	18s		1.00um		
			e	02 32.00	62kmX
			e	03 33.50	
			S	11 26.00	
UZD	75.61	324	iP	02 15.20	-0.1
GOL	75.63	47	iPc	02 15.34	-0.6
	0.9s		36.58nm		5.1mb
			epPc	03 30.38	327kmX
			esPd	04 01.56	
GLD	75.67	47	eP	02 17.00	0.9
	1.0s		116.00nm		5.6mb
			epP	03 32.29	329kmX
GEC2	75.70	328	P	02 13.70	-2.3
	0.7s		45.62nm		5.3mb
WET	75.76	328	iPc	02 16.50	0.3
	1.0s		299.00nm		6.0mb
DBN	75.82	334	eP	02 17.00	0.6
Z	16s		0.90um		5.2MszX
			ePP	05 13.00	
			eS	11 32.00	
GRF	75.90	330	iPc	02 17.30	0.4
	0.8s		251.00nm		6.0mb
			eS	11 31.20	
ALT	76.00	312	iP	02 18.50	0.7
BNS	76.18	333	iPc	02 17.80	-0.6
	0.8s		151.00nm		5.8mb
KMR	76.19	327	iP+	02 20.20	1.6
			epP	03 31.00	306kmX
			isP	04 08.40	
BEO	76.21	321	eP	02 18.50	-0.2
ARMA	76.24	172	iPc	02 20.50	1.5
	0.8s		56.00nm		5.4mb
ALN	76.67	316	i(P)c	02 21.52	0.2
MEM	76.87	333	iPc	02 22.44	0.3
CMS	76.89	177	eP	02 24.00	1.6
			e	03 38.00	321kmX
BHG	76.94	328	eP	02 23.50	0.8
	0.8s		320.00nm		6.1mb
HRI	77.14	305	eP	02 24.80	0.6
FUR	77.16	329	iPc	02 25.00	1.1
	0.8s		333.00nm		6.2mb
QTFJ	77.17	302	P	02 26.12	1.8
FORT	77.21	193	eP	02 24.20	0.0
STK	77.22	181	P	02 25.60	1.4
PTJ	77.24	325	iP	02 23.90	-0.6
CSS	77.28	307	eP	02 25.70	0.9
KBA	77.30	327	iPd	02 25.70	0.8
	0.7s		309.00nm		6.2mb
			ipP	03 43.00	337kmX
			eS	11 48.00	
ZAG	77.30	325	iPc	02 25.00	0.4
EZN	77.35	315	eP	02 25.00	0.0
DMU	77.36	342	eP	02 24.90	0.0
	0.9s		576.00nm		6.3mb
SHMJ	77.52	304	P	02 27.87	1.7
SRS	77.68	317	i(P)c	02 27.30	0.4
LJU	77.69	326	eP	02 26.90	0.1
			esP	04 16.00	
			eS	12 49.00	

WATA	77.75	328	iPc	02 27.40	0.1
			i	02 28.70	
			ipP	03 45.10	338kmX
			iS	11 52.60	
WTTA	77.79	328	iPc	02 27.70	0.1
	0.6s		277.00nm		6.2mb
			i	02 29.10	
			ipP	03 45.40	338kmX
			iS	11 52.80	
ELL	77.83	311	iP	02 28.50	0.6
DLF	77.83	341	eP	02 27.40	0.0
VBY	77.85	325	ePd	02 27.90	0.2
			iPcP	02 36.00	63kmX
			i	02 45.20	
PPCY	77.88	308	eP	02 28.00	-0.1
MOTA	77.91	328	iPc	02 28.40	0.2
	0.8s		400.00nm		6.2mb
			i	02 29.60	
			ipP	03 46.20	338kmX
			iS	11 54.20	
FVI	77.92	327	P	02 28.00	0.0
VOY	77.95	326	eP	02 27.20	-1.2
			eSKS	11 53.50	
KNT	77.98	318	i(P)c	02 28.58	0.1
SOTA	77.98	328	iPc	02 28.80	0.3
	0.6s		184.00nm		6.0mb
			i	02 30.00	
			ipP	03 46.40	337kmX
			iS	11 55.20	
CEY	77.99	326	eP	02 27.50	-1.0
VAY	78.01	318	iP	02 29.00	0.4
	0.8s		193.00nm		5.9mb
SKO	78.02	319	iP	02 29.30	0.6
	0.9s		203.00nm		5.9mb
			i	03 10.50	168kmX
			i	03 46.00	
			i	11 55.00	
SOH	78.03	317	i(P)c	02 28.48	-0.3
OUR	78.11	317	i(P)c	02 28.88	-0.3
KFNJ	78.20	304	P	02 32.09	2.3
MASJ	78.27	303	P	02 31.99	1.7
TRI	78.27	326	iPd	02 29.20	-0.7
			e	11 56.30	
MRWA	78.29	203	iPc	02 30.60	0.4
	0.4s		32.00nm		5.5mb
ETA	78.32	341	eP	02 30.00	-0.1
RIY	78.33	325	eP	02 29.40	-0.8
OGA	78.35	328	iPc	02 31.00	0.4
	1.0s		371.00nm		6.1mb
CDF	78.35	331	P	02 30.48	0.0
THE	78.36	317	i(P)c	02 29.08	-1.4
GRG	78.37	318	i(P)c	02 29.96	-0.7
KKS	78.41	320	eP	02 31.00	0.3
MKRJ	78.44	303	P	02 33.18	1.9
LIBD	78.47	331	P	02 30.90	-0.1
SLE	78.49	330	ePd	02 31.10	-0.1
ECH	78.56	331	P	02 31.52	0.0
FEL	78.56	331	P	02 31.23	-0.4
PAIG	78.57	316	i(P)c	02 31.08	-0.6
DSI	78.58	304	eP	02 32.60	0.7
ALQ	78.59	51	ePc	02 33.17	1.0
	0.6s		41.67nm		5.4mb
			epP	03 48.75	327kmX
COOL	78.60	198	eP	02 31.50	-0.3
	0.6s		83.00nm		5.7mb
PHP	78.70	320	eP	02 31.50	-0.8
ECB	78.75	341	eP	02 32.70	0.3
	0.9s		744.00nm		6.5mb
ZLA	78.77	330	ePd	02 32.90	0.2
CTI	78.80	327	P	02 32.00	-1.0
OSS	78.82	329	ePd	02 33.70	0.6
ECP	78.83	341	iPc	02 33.10	0.3
	0.9s		984.00nm		6.6mb
SDA	78.87	320	iPc	02 33.80	0.6
MOF	78.88	331	P	02 32.98	-0.4
VITF	78.95	332	P	02 33.29	-0.3
FNA	78.99	318	i(P)c	02 34.06	0.1
OHR	79.00	319	iPc	02 33.90	-0.1
	0.7s		241.00nm		6.1mb
			e	09 57.30	
LIT	79.00	317	i(P)c	02 33.16	-0.9
HAU	79.02	332	eP	02 33.60	-0.4
	0.8s		112.30nm		5.7mb
Z	20s		0.40um		4.8Msz
BSF	79.02	331	P	02 33.33	-0.7
LACI	79.08	320	iPc	02 34.00	-0.3
LLS	79.08	329	ePd	02 34.90	0.3

BBS	79.09	331	P	02 34.25	-0.1
TIR	79.24	320	iPd	02 34.50	-0.7
VDL	79.24	329	ePd	02 35.90	0.5
HVAR	79.26	323	iP	02 34.50	-0.8
BAL	79.42	202	eP	02 36.20	0.1
	0.4s		108.00nm		6.0mb
LOMF	79.42	331	P	02 35.91	-0.3
SAL	79.60	328	P	02 37.00	0.0
TMA	79.78	329	ePd	02 38.10	-0.1
LSK	79.85	318	iPc	02 39.30	0.7
AGG	79.92	317	i(P)c	02 37.48	-1.5
TPE	80.01	319	eP	02 40.40	1.1
VAI	80.02	329	P	02 39.30	0.1
KLB	80.08	201	eP	02 50.10	10.5
	0.3s		15.00nm		
MMK	80.15	330	ePd	02 41.00	0.8
MBH	80.19	303	eP	02 41.20	0.7
RSM	80.27	326	P	02 43.40	2.9
DIX	80.32	330	ePd	02 42.00	0.8
SRN	80.34	319	iPc	02 41.80	0.8
ARV	80.44	325	P	02 41.80	0.3
FLN	80.46	336	eP	02 41.10	-0.4
	0.6s		71.25nm		5.7mb
Z	23s		0.43um		4.7Msz
IGT	80.47	318	i(P)c	02 41.00	-0.7
LOR	80.48	333	eP	02 41.30	-0.3
	0.8s		253.60nm		6.1mb
Z	22s		0.35um		4.7Msz
EMS	80.50	330	ePd	02 42.30	0.3
LDF	80.51	336	eP	02 41.80	0.1
	0.6s		78.30nm		5.7mb
ORO	80.51	329	P	02 41.80	-0.1
PGD	80.60	326	P	02 44.30	1.8
LBF	80.69	333	eP	02 42.40	-0.4
	0.8s		175.15nm		5.9mb
BOB	80.71	328	P	02 43.20	0.2
CRE	80.72	326	P	02 43.40	0.3
MME	80.73	327	P	02 44.10	0.8
SSF	80.77	333	eP	02 42.90	-0.2
	0.8s		152.60nm		5.9mb
BRT	80.80	321	P	02 44.00	0.6
MUN	80.85	202	eP	02 44.00	0.4
FIR	80.87	326	eP	02 45.00	1.4
			iS	12 24.00	
BDI	80.88	327	P	02 43.40	-0.5
GRR	80.90	336	eP	02 43.80	0.0
	0.7s		135.40nm		5.9mb
ASS	80.91	325	P	02 44.00	0.0
LCI	80.91	320	P	02 44.20	0.2
LSD	80.95	330	P	02 44.49	0.1
SMF	81.03	332	eP	02 44.40	-0.1
	0.8s		289.05nm		6.2mb
LPL	81.05	330	eP	02 45.20	0.3
	0.7s		149.05nm		5.9mb
LPG	81.05	330	eP	02 45.40	0.4
	0.6s		135.30nm		6.0mb
AVF	81.06	333	eP	02 44.70	0.1
	0.8s		250.40nm		6.1mb
ACO	81.09	46	iPd	02 45.80	0.8
EEO	81.11	27	eP	02 45.50	0.6
RSP	81.18	330	P	02 44.71	-0.7
PII	81.20	327	P	02 44.90	-0.5
AQU	81.20	324	P	02 45.70	0.1
PCP	81.24	328	P	02 44.92	-0.8
LPF	81.28	336	eP	02 46.00	0.3
	0.6s		121.55nm		5.9mb
DUI	81.34	323	P	02 46.70	0.4
BGF	81.43	333	eP	02 46.60	0.0
	0.6s		71.80nm		5.7mb
CKI	81.44	329	P	02 46.10	-0.5
BHB	81.44	329	P	02 44.92	-1.8
BNI	81.47	330	P	02 47.80	0.8
MNS	81.47	325	P	02 50.30	3.4
NWAO	81.48	201	eP	02 47.50	0.7
RRL	81.54	330	P	02 47.65	0.1
SDI	81.57	324	P	02 47.40	-0.1
FIN	81.65	329	P	02 46.53	-1.3
ROB	81.70	329	P	02 47.47	-0.6
DOI	81.74	329	P	02 46.80	-1.5
PZZ	81.79	329	P	02 46.89	-1.8
ORI	81.80	321	P	02 50.20	1.6
MAF	81.82	333	eP	02 49.20	0.6
	0.8s		339.55nm		6.2mb
BST	81.85	338	P	02 49.31	0.6
TCF	81.87	333	eP	02 49.10	0.2
	0.7s		76.50nm		5.6mb
FOUF	81.88	330	eP	02 48.85	-0.1

FOUF 81.88 330 e(P) 02 49.46 0.5
SGO 81.89 322 P 02 49.40 0.4
ENR 81.92 329 P 02 47.51 -1.8
STV 81.94 329 P 02 47.43 -1.9
IMI 82.02 329 P 02 48.85 -0.9
MAO 82.06 326 P 02 49.90 0.0
CSI 82.11 321 P 02 50.60 0.4
LSF 82.12 334 eP 02 50.30 0.1
0.8s 229.95nm 6.1mb
MGR 82.13 322 P 02 50.10 -0.2
ROI 82.15 321 P 02 51.10 0.6
TDS 82.18 321 P 02 51.70 1.1
SBF 82.23 329 eP 02 50.20 -0.6
0.7s 94.35nm 5.7mb
MFF 82.31 335 eP 02 51.50 0.4
0.8s 203.65nm 6.0mb
BFD 82.50 180 eP 02 51.00 -0.9
0.5s 18.00nm 5.2mb
CZI 82.63 321 P 02 52.20 -0.6
FRF 82.77 329 eP 02 53.10 -0.4
1.4s 106.30nm 5.5mb
PGF 82.78 327 eP 02 53.20 -0.5
0.6s 33.80nm 5.4mb
OCO 82.84 45 iPd 02 56.70 2.7X
MEO 82.87 46 iPc 02 55.20 1.0
TOO 82.95 177 iPc 02 56.00 1.8
0.7s 99.00nm 5.8mb
e 04 12.00 325kmX
RJF 82.97 333 eP 02 54.80 0.3
0.8s 87.85nm 5.6mb
Z 22s 0.35um 4.7Msz
LRG 82.97 329 eP 02 54.40 -0.1
1.0s 154.00nm 5.8mb
Z 21s 0.35um 4.7Msz
CDR 82.99 330 iPc 02 54.30 -0.3
LMR 83.02 329 eP 02 54.60 -0.2
1.0s 160.80nm 5.8mb
FNO 83.09 45 iPd 02 55.10 -0.2
FKO 83.10 45 iPd 02 56.20 0.9
CAF 83.13 333 eP 02 56.20 0.8
0.8s 138.60nm 5.8mb
SIO 83.24 44 eP 02 56.60 0.6
epP 14 12.80
TUL 83.36 44 iPd+ 02 57.10 0.5
0.6s 119.70nm 5.9mb
Z 20s 0.49um 4.9Msz
e 03 03.00
e 04 19.40
e 04 24.10
e 04 38.60
S 12 51.00
epP 14 14.10
e 14 33.00
SKKP 25 53.00
LR 31 17.00
ELF 83.38 30 P 02 57.20 0.6
ACTO 83.46 29 P 02 58.02 1.1
LFF 83.54 334 eP 02 58.20 0.9
0.8s 145.05nm 5.9mb
LDN 83.56 30 P 02 57.95 0.5
DLA 83.58 31 P 02 58.55 1.0
SOI 83.61 320 P 02 57.90 0.1
LPO 83.63 333 eP 02 58.50 0.7
0.6s 93.45nm 5.8mb
WLVO 83.74 28 P 02 59.22 0.9
CCM 83.75 40 iPc 02 58.58 0.1
ipPc 04 11.97 312kmX
esP 04 44.80
ATN 83.80 321 P 02 57.40 -1.4
VVO 83.85 44 eP 02 59.50 0.4
i 04 25.20
ipP 14 16.60
TYNO 83.98 30 P 03 00.50 1.0
STCO 84.12 29 P 03 01.00 0.8
FVM 84.17 39 ePd 03 00.75 0.1
0.6s 92.26nm 5.8mb
ipP 04 17.14 326kmX
MNO 84.33 321 P 03 02.80 1.1
USI 84.34 322 P 03 02.00 0.6
MEU 84.91 320 P 03 05.80 1.3
LSPF 84.95 332 P 03 05.39 0.9
LESF 85.08 332 P 03 06.04 1.0
GRBF 85.16 332 P 03 06.15 0.6
ETER 85.21 331 iPc 03 07.10 1.4
LVI 85.31 323 P 03 06.90 0.7
BNH 85.32 23 eP 03 06.67 0.4
EPF 85.38 333 eP 03 06.80 0.2

0.9s 67.15nm 5.5mb
UYO 85.41 44 iPd 03 07.50 0.6
BTH 85.47 333 iPc 03 08.10 1.1
iPcP 03 10.70
i 03 17.50
i 03 44.30
pP 04 25.50 330kmX
iS 13 12.00
ENSF 85.59 333 P 03 08.95 1.2
LST 85.69 40 eP 03 09.15 1.0
OLY 85.74 41 eP 03 08.58 0.1
epP 04 25.58 328kmX
LMN 85.75 19 eP 03 09.50 1.2
GRT 86.04 39 eP 03 10.47 0.6
epP 04 27.69 329kmX
EGRA 86.34 333 iPc 03 12.00 0.8
ECRI 86.64 335 iPd 03 13.94 1.2
MCWV 87.01 31 eP 03 15.38 0.9
0.4s 65.95nm 5.9mb
HRV 87.15 24 iPc 03 15.62 0.5
1.0s 64.57nm 5.5mb
epPc 04 29.00 310kmX
esP 05 04.32
EMON 87.22 338 eP 03 15.54 0.0
EBR 87.32 332 eP 03 15.00 -0.9
iS 13 28.00
ESEL 87.44 330 eP 03 17.64 1.1
TBR 87.59 27 eP 03 17.22 0.0
epP 04 34.63 328kmX
LVNJ 87.72 27 eP 03 18.24 0.4
PNJ 87.83 27 iP 03 19.00 0.7
pP 04 36.30 327kmX
GMTN 87.84 27 iP 03 19.00 0.6
STS 88.05 339 eP 03 21.17 1.8
ETOR 88.14 334 iPc 03 19.99 0.0
ERUA 88.15 338 eP 03 19.91 0.0
NAV 88.72 33 ePd 03 22.98 0.3
epP 04 39.93 325kmX
ECHE 88.91 332 eP 03 24.33 0.8
GUD 88.93 335 iPc 03 23.51 -0.3
BLA 88.95 33 iPc 03 24.55 0.7
0.8s 46.20nm 5.5mb
epP 04 41.63 326kmX
TKL 88.98 36 eP 03 24.20 0.3
epP 04 41.33 326kmX
CVL 89.00 31 eP 03 24.53 0.6
epP 04 41.64 326kmX
NA2 89.12 30 eP 03 25.07 0.6
epP 04 42.31 326kmX
CBN 89.19 30 eP 03 25.80 1.0
0.9s 81.00nm 5.7mb
e 04 42.00 321kmX
TOL 89.60 335 ePc 03 27.15 0.4
EPLA 90.03 336 iPc 03 29.06 0.3
EVIA 90.27 333 iPc 03 30.47 0.5
CEH 90.62 32 ePc 03 31.12 -0.3
epPc 04 44.78 309kmX
esP 05 20.09
EALH 90.63 332 eP 03 31.04 -0.4
PRM 90.92 36 iP 03 33.63 0.8
epP 04 51.08 326kmX
EHUE 91.05 333 eP 03 33.81 0.3
EBAN 91.10 334 eP 03 34.16 0.5
JSC 91.19 35 iP 03 34.52 0.4
ipP 04 52.14 327kmX
LHS 91.20 34 iP 03 34.74 0.6
ipP 04 51.87 325kmX
ENIJ 91.69 332 eP 03 35.74 -0.7
ECOG 91.85 333 eP 03 36.61 -0.6
EHOR 91.86 335 eP 03 37.34 0.2
EGUA 92.26 333 eP 03 38.29 -0.7
SGS 92.44 35 iPc 03 40.77 0.9
ipP 04 58.54 327kmX
EVAL 92.52 336 eP 03 40.24 0.0
EPRU 92.65 334 eP 03 41.52 0.7
HBF 92.72 35 iPc 03 41.76 0.6
ipP 04 59.61 328kmX
EJIF 93.20 334 eP 03 41.33 -2.0
BCAO 109.46 298 ePKPd 08 58.10 -0.2
1.0s 20.00nm
i 09 35.20
i 10 09.40
i 11 26.10
TOV 117.71 36 ePKP 09 14.60 0.5
TIC 120.24 322 PKP 09 18.70 -0.2
KIC 120.38 321 PKP 09 18.80 -0.3
LIC 120.62 321 PKP 09 19.20 -0.4

JOZ 122.82 263 ePKP 09 16.50 -6.9X
KSR 125.45 268 ePKP 09 28.50 -0.3
0.3s 3.75nm
PRY 125.71 267 ePKP 09 28.60 -0.7
0.6s 8.93nm
BLF 127.94 265 iPKPc 09 34.00 0.5
1.0s 30.00nm
FRS 128.93 265 ePKP 09 27.00 -8.1X
NNA 132.79 57 ePKP 09 42.50 -0.4
0.8s 12.69nm
SPA 135.51 180 ePKP 09 31.60 -15.0X
0.5s 19.91nm
ZOBO 141.20 51 PKP 09 54.20 -5.0X
1.0s 22.50nm
Z 24s 0.18um 4.7MszX
eLR 31 00.00
LPB 141.42 51 PKP 09 54.00 -5.3X
i 13 06.20
CNCB 141.71 51 PKP 09 56.00 -4.0X
i 13 07.90
CCH 143.17 49 (PKP) 10 01.00 -1.2
ITR 143.19 1 ePKP 09 59.40 -2.5
e 13 08.80
SIV 144.51 41 PKPc 10 03.20 -0.9
PDCR 146.92 2 ePKP 10 07.80 -0.3
e 10 10.00
e 11 30.50
e 13 16.80
BDF 148.86 19 ePKPc 10 16.87 5.6X
PEL 151.83 75 iPKPc 10 22.30 7.1X
RTCB 152.08 70 iPKPc 10 23.40 7.7X
ZON 152.20 70 ePKP 10 23.50 7.7X
RTLL 152.20 70 ePKPd 10 21.20 5.4X
PPD 153.91 30 ePKP 10 20.00 1.6
e 10 27.80
e 10 42.20
S.D. = 0.9 on 516 of 542 obs.

& JUN 16, 1992 06h 12m 29.66s
61.404 N 149.898 W
DEPTH = 30.8km
SOUTHERN ALASKA (2)
<AEIC>. ML 3.1 (AEIC). Felt (IV)
at Palmer.

PMS 0.23 134 P 12 36.50 0.1
PWA 0.25 2 P 12 36.50 0.0
SUA 0.41 279 iPd 12 38.33 -0.6
iS 12 45.72
GHO 0.59 51 iPc 12 40.69 -1.0
iS 12 49.92
PTE 0.69 142 iPc 12 41.73 -1.3
KNK 0.69 89 iPc 12 42.13 -1.1
SML 0.85 61 iPc 12 44.20 -1.3
eS 12 56.31
SLKM 0.91 190 ePd 12 44.71 -1.6
eS 12 58.07
SKT 0.97 307 iPc 12 45.99 -1.2
eS 12 59.18
CUT 1.02 350 ePd 12 46.80 -1.0
CGLM 1.02 265 iPc 12 46.90 -1.1
eS 13 00.98
SPU 1.06 259 iPc 12 47.22 -1.3
eS 13 01.36
NCG 1.09 271 iPc 12 48.07 -0.8
eS 13 02.52
CRP 1.10 264 P 12 48.20 -0.9
CKN 1.12 262 ePc 12 48.48 -0.8
CPKM 1.13 264 ePc 12 48.95 -0.7
eS 13 03.88
BKG 1.19 255 iPc 12 49.14 -1.2
eS 13 05.30
CKL 1.20 261 iPc 12 49.49 -0.9
BGL 1.21 264 ePc 12 49.74 -0.9
SCM 1.30 70 ePc 12 51.38 -0.5
eS 13 08.98
SEW 1.32 170 eP 12 50.77 -1.3
NNL 1.53 207 ePc 12 55.13 0.0
DFR 1.58 240 P 12 54.50 -1.5
HUR 1.58 4 eP 12 56.02 0.1
S 13 16.27
REF 1.65 237 ePc 12 56.09 -0.9
eS 13 17.22
RSO 1.68 237 eP 12 56.08 -1.5
RS2 1.69 237 eP 12 55.56 -2.0
RS1 1.69 237 eP 12 56.09 -1.5
BRLK 1.72 197 eP 12 56.16 -1.7

16d 06h

RED 1.72 236 eP 13 57.00 -0.9
eS 13 18.11
VLZ 1.74 97 eP 12 57.06 -1.1
eS 13 19.04
TOA 1.91 67 P 13 01.20 0.5
KLU 1.91 86 eP 12 59.70 -1.1
eS 13 23.98
HIN 1.94 120 ePd 12 59.13 -2.0
HOM 1.95 207 eP 13 00.37 -0.9
S 13 25.37
INE 2.06 230 ePc 13 02.12 -0.8
TRF 2.06 355 ePc 13 02.36 -0.7
RND 2.07 13 eP 13 02.64 -0.4
INW 2.08 231 ePc 13 02.58 -0.6
CVA 2.20 111 eP 13 02.75 -2.0
KTH 2.21 348 ePc 13 04.39 -0.6
eS 13 31.35
TZL 2.22 71 eP 13 04.70 -0.4
SDG 2.35 59 eP 13 07.12 0.2
S 13 35.28
MCK 2.38 10 eP 13 07.33 -0.1
PAX 2.60 51 eP 13 11.04 0.4
PDB 2.67 234 eP 13 09.85 -1.6
eS 13 42.07
AUL 2.68 222 P 13 09.60 -2.0
AUP 2.69 222 eP 13 11.50 -0.4
AUH 2.70 222 P 13 13.10 1.2
SVW 2.78 266 P 13 11.80 -1.3
GLB 2.93 87 eP 13 14.01 -1.1
CDD 3.11 219 eP 13 16.33 -1.4
WRH 3.19 14 eP 13 18.25 -0.5
NEA 3.21 6 P 13 18.70 -0.4
TTA 3.25 301 P 13 18.20 -1.6
HDA 3.30 23 eP 13 20.52 0.1
TGL 3.50 98 eP 13 22.11 -1.2
FBA 3.64 14 P 13 24.50 -0.7
MLY 3.66 354 eP 13 23.28 -2.3
GLM 3.77 16 P 13 25.60 -1.5
PRP 4.57 24 P 13 36.40 -2.2
61 obs. associated

• JUN 16, 1992 06h 24m 57.77± 1.98s
5.820 S ±20.2km 147.048 E ±17.0km
DEPTH = 85.7 ± 14.8 km
4.4mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 0.83 183 iPd 25 14.30 -1.2
FINC 1.13 135 eP 25 19.10 0.1
YYYY 1.16 249 eP 25 19.80 0.3
MDG 1.38 294 eP 25 22.30 0.1
PMG 3.57 178 eP 25 53.00 1.1
ASPA 21.80 214 eP 29 43.70 -0.5
1.1s 19.50nm 4.4mb
S.D. = 1.2 on 6 of 6 obs.

? JUN 16, 1992 07h 04m 05.82± 4.44s
43.500 N ±37.1km 11.053 E ±15.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

PGD 0.61 52 P 04 18.00 -0.3
eSg 04 26.50
BDI 0.65 330 Pd 04 18.30 -0.6
eSg 04 27.20
CRE 0.67 79 P 04 19.30 0.2
eSg 04 29.20
SFI 0.72 54 Pd 04 19.80 -0.1
eSg 04 28.70
MME 0.74 340 P 04 20.90 0.4
eSg 04 30.00
S.D. = 0.5 on 5 of 5 obs.

% JUN 16, 1992 08h 40m 37.57± 0.81s
39.095 N ± 6.8km 27.637 E ± 8.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.76 203 iPn 40 52.30 -0.1
DST 0.92 56 iPn 40 55.40 0.2
eSg 41 09.40
EZN 1.25 306 ePn 41 01.00 0.2
EDC 1.26 8 ePn 41 01.00 0.0
BNT 1.28 10 ePn 41 00.90 -0.4
KCT 1.28 25 iPn 41 01.40 0.1
S.D. = 0.3 on 6 of 6 obs.

& JUN 16, 1992 09h 21m 47.63s
60.405 N 143.058 W
DEPTH = 4.5km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.8 (AEIC).

TGL 0.37 18 iP 21 55.42 0.3
eS 22 01.77
CYK 0.43 138 eP 21 56.29 0.0
WRG 0.63 125 eP 22 00.59 0.3
eS 22 10.12
YAH 0.65 93 iP 22 00.50 -0.2
eS 22 11.75
BALM 0.72 29 eP 22 02.50 0.4
KAIM 0.83 235 eP 22 03.85 -0.4
CTGM 1.02 56 eP 22 06.66 -0.8
S 22 20.77
GLB 1.10 341 iP 22 07.46 -1.4
eS 22 22.89
CVA 1.34 277 eP 22 10.87 -2.0
PCA 1.43 101 eP 22 13.12 -1.3
HIN 1.71 271 eP 22 15.83 -2.5
eS 22 39.52
VLZ 1.76 296 eP 22 17.32 -1.7
eS 22 41.60
KLU 1.77 309 eP 22 18.36 -0.9
eS 22 41.26
YKU 1.88 116 P 22 18.70 -2.0
MID 1.92 241 P 22 20.20 -1.1
PNL 1.98 110 eP 22 21.01 -1.2
eS 22 46.64
TZL 2.00 326 eP 22 22.22 -0.3
TOA 2.27 320 P 22 26.80 0.2
HON 2.31 113 eP 22 24.54 -2.5
SDG 2.44 332 eP 22 28.07 -0.8
SCM 2.52 307 eP 22 28.82 -1.2
PAX 2.82 337 eP 22 33.35 -1.0
KNK 2.82 293 eP 22 33.39 -1.0
SML 2.92 301 eP 22 34.41 -1.3
PTE 2.98 282 eP 22 33.50 -2.9
GHO 3.16 298 eP 22 37.93 -1.2
PLRM 3.19 295 eP 22 37.76 -1.6
PMR 3.19 295 eP 22 41.00 1.6
DOT 3.29 352 P 22 39.00 -1.9
PMS 3.29 288 P 22 42.50 1.5
PWA 3.55 294 P 22 43.00 -1.5
SLKM 3.55 275 eP 22 40.53 -4.1
SUA 3.90 289 P 22 52.40 2.7
CUT 4.00 303 P 22 53.70 2.7
SKT 4.39 295 eP 22 54.04 -2.6
SPU 4.48 284 P 22 53.50 -4.3
FBA 5.01 336 eP 23 07.00 1.7
IMA 7.43 324 eP 23 39.04 -0.4
38 obs. associated

% JUN 16, 1992 10h 13m 43.89± 1.26s
39.084 N ± 6.0km 16.708 E ±12.7km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

CZI 0.47 287 P 13 54.30 0.9
ROI 0.50 348 P 13 52.70 -1.3
TDS 0.64 334 P 13 57.60 0.9
eSg 14 04.60
CSI 0.76 335 P 13 57.80 -1.0
ORI 1.00 349 P 14 04.10 1.3
eSg 14 17.20
SOI 1.13 207 P 14 05.30 0.2
eSn 14 22.80
ATN 1.34 227 P 14 08.00 -0.6
eSn 14 26.70
MGR 1.38 320 P 14 08.70 -0.4
eSg 14 25.50
SGO 1.82 324 P 14 15.00 -0.5
eSn 14 37.00
BRT 1.83 12 P 14 16.20 0.6
eSn 14 39.10
S.D. = 1.0 on 10 of 10 obs.

• JUN 16, 1992 10h 14m 37.80± 2.47s
3.630 S ±27.4km 139.884 E ±11.7km
DEPTH = 33.0km (normal)
4.5mb (3 obs.)
IRIAN JAYA, INDONESIA (201)

WWKK 3.73 90 eP 15 34.80 0.3
MNDI 4.52 124 eP 15 46.30 0.3
PMG 9.22 129 eP 16 50.00 -1.6
MTN 12.60 223 eP 17 37.00 -0.6
KNA 16.27 222 eP 18 26.50 1.0
OIS 16.83 181 e(P) 18 34.00 1.4
eS 21 37.00
i 23 29.00
WB2 17.09 198 iPc 18 33.90 -2.0
0.4s 14.30nm 4.5mb
i 18 39.20
eS 21 29.80
CTA 17.50 160 iPd 18 42.20 1.2
0.8s 22.39nm 4.3mb
eS 23 45.50
ASPA 20.74 196 iPc 19 18.50 0.1
0.8s 26.40nm 4.7mb
eS 23 08.30
ZOBO 145.96 126 PKP 34 20.00 3.2X
S.D. = 1.4 on 9 of 10 obs.

% JUN 16, 1992 11h 04m 28.96± 0.56s
41.348 N ± 6.3km 14.020 E ± 6.5km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

SDI 0.39 337 P 04 37.50 0.6
eSg 04 43.60
DUI 0.45 46 P 04 38.10 -0.1
eSg 04 44.90
AZI 0.78 326 P 04 43.90 -0.1
eSg 04 55.20
RDP 1.06 293 P 04 48.70 -0.3
AQU 1.11 336 P 04 50.10 0.4
eSn 05 05.50
SGO 1.26 129 P 04 53.00 0.7
eSn 05 11.40
MNS 1.44 316 P 04 56.20 1.1
MGR 1.68 136 P 04 58.20 -0.3
ASS 2.00 330 P 05 02.00 -1.1
ARV 2.29 340 P 05 07.00 -0.4
TDS 2.44 133 P 05 09.20 -0.3
S.D. = 0.7 on 11 of 11 obs.

JUN 16, 1992 11h 10m 55.12± 0.52s
41.043 N ± 4.5km 20.239 E ± 5.5km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
MD 3.1 (ATH). ML 2.8 (TTG), 2.6
(TIR).

TIR 0.41 317 iPg 11 02.20 -1.4
iSg 11 10.50
OHR 0.43 81 iPgd 11 02.70 -1.2
0.5s 398.00nm
iSg 11 10.40
Lg 11 13.30
PHP 0.66 13 iPgd 11 06.20 -2.1
iSg 11 17.20
LACI 0.71 326 iPgd 11 07.50 -1.7
iSg 11 18.10
TPE 0.77 193 ePg 11 10.00 -0.1
iSg 11 25.60
VLO 0.80 225 ePg 11 05.60 -5.1X
KKS 1.04 7 ePg 11 16.30 1.6
iSg 11 30.10
SDA 1.12 331 ePn 11 17.00 0.9
iSn 11 34.40
SRN 1.18 189 ePn 11 16.90 -0.1
iSn 11 35.90
ULC 1.18 321 iPgd 11 16.20 -1.0
iSg 11 34.52
SKO 1.29 44 iPg 11 18.70 -0.4
0.4s 4000.00nm
i 11 19.20
i 11 36.40
iSg 11 37.60
Lg 11 40.00
KEK 1.37 194 ePb 11 21.20 1.0
eSb 11 41.50
KZN 1.38 122 ePb 11 20.00 -0.4
PVY 1.56 353 ePn 11 25.24 2.1
iSn 11 48.01
TTG 1.57 332 ePn 11 23.54 0.5
iSn 11 46.37
BDV 1.63 320 iPnd 11 23.87 -0.1
iSn 11 46.89
VAY 1.78 80 iPn 11 26.70 0.6
IVA 1.85 352 ePn 11 29.06 1.9

iSn 11 55.00
HCY 1.91 318 ePn 11 27.50 -0.6
iSn 11 53.31
NKY 2.00 333 iPnd 11 29.49 0.1
iSn 11 56.62
BRY 2.25 326 iPnc 11 32.41 -0.6
iSn 12 02.19
BRT 2.30 267 P 11 36.00 2.3X
eSn 11 54.00
PLE 2.37 345 iPnc 11 35.62 0.9
iSn 12 07.16
S.D. = 1.2 on 21 of 23 obs.

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* JUN 16, 1992 11h 45m 41.15± 0.76s
7.171 S ± 8.4km 144.779 E ± 8.9km
DEPTH = 33.0km (normal)
3.9mb (2 obs.)
NEAR S COAST OF NEW GUINEA, PNG.(206)

YYYY 1.50 52 iPc 46 04.80 -1.3
MNDI 1.50 312 eP 46 05.40 -0.9
eS 46 25.00
MDG 2.15 28 eP 46 14.60 -0.8
LAT 2.26 77 eP 46 18.00 1.0
PMG 3.24 134 eP 46 31.00 0.2
WWKK 3.71 342 eP 46 39.50 2.0
WB2 16.23 218 eP 49 27.50 -1.0
0.7s 2.90nm 3.5mb
eS 53 12.90
ASPA 19.45 211 iPd 50 08.90 0.8
1.1s 15.30nm 4.2mb
eS 54 46.00
S.D. = 1.4 on 8 of 8 obs.

JUN 16, 1992 12h 31m 16.88± 0.34s
44.840 N ± 4.6km 116.990 W ± 2.4km
DEPTH = 5.0km (geophysicist)
WESTERN IDAHO (33)
ML 3.3 (GS). Felt (IV) at
Halfway, Oregon and (III) at
Richland, Oregon. Also felt at
Brownlee and Oxbow, Oregon.

LNOR 1.38 319 P 31 42.84 0.1
WG3 1.77 313 P 31 49.66 1.3
EBI 2.09 17 P 31 55.00 1.9
JBO 2.11 288 P 31 54.77 1.5
ET3 2.21 323 P 31 55.69 1.0
PATW 2.21 299 P 31 59.04 4.2X
WIW 2.27 315 P 31 55.10 -0.4
PRW 2.34 307 P 31 59.52 2.9X
MJ2 2.39 317 P 31 57.09 -0.2
RSW 2.39 311 P 31 58.37 0.9
OT2 2.45 321 P 31 58.33 0.2
GBL 2.47 316 P 31 58.05 -0.3
LOCW 2.54 319 P 31 59.38 0.0
CRF 2.60 321 P 31 59.85 -0.4
WRD 2.61 326 P 32 00.08 -0.3
VIPM 2.61 264 P 32 01.39 0.8
MDW 2.63 313 P 32 00.26 -0.4
WAH2 2.63 318 P 32 00.59 -0.1
BRVW 2.67 309 P 32 02.69 1.3
VGB 2.76 285 ePn 32 02.28 -0.4
ePg 32 07.00
eS 32 43.34
OD2 2.82 335 P 32 03.11 -0.3
BVW 2.82 315 P 32 02.58 -1.0
CROR 2.84 274 P 32 03.51 -0.4
MXC 2.89 308 P 32 04.96 0.5
MCMT 2.95 89 ePn 32 05.50 0.0
VTG 2.98 316 P 32 05.13 -0.5
HPI 3.01 111 e(Pn) 32 08.34 1.9X
ePg 32 11.77
eS 33 02.59
EPH 3.10 325 P 32 06.23 -1.1
DPW 3.15 345 ePn 32 07.61 -0.4
ePg 32 15.94
HBMT 3.23 71 ePn 32 09.70 0.1
EBG 3.25 311 P 32 09.41 -0.1
BUT 3.33 68 ePn 32 13.40 2.5X
eSn 32 53.40
eSg 33 07.30
LRM 3.35 71 ePn 32 10.70 -0.5
BPO 3.35 268 P 32 12.64 1.4X
NEW 3.43 359 eP 32 11.50 -0.6
TBM 3.43 314 P 32 12.01 -0.1
LTMT 3.49 93 ePn 32 13.40 0.1
WTV 3.52 325 P 32 12.74 -0.7
BGMT 3.53 82 ePn 32 13.50 -0.2
TWW 3.55 312 P 32 14.95 1.1
ETW 3.61 321 Pc 32 13.61 -1.1
WPW 3.69 302 P 32 15.39 -0.5
LON 3.87 301 eP 32 17.81 -0.7
eS 33 17.95
PTI 3.88 119 e(P) 32 18.70 0.1
SSOR 3.89 272 P 32 19.51 0.8
SHW 3.93 292 (P) 32 24.23 4.9X
RVC 4.06 303 P 32 21.87 0.7
HRY 4.07 61 ePn 32 21.50 0.3
GSM 4.10 307 P 32 21.04 -0.6
RMW 4.25 310 iPd 32 23.12 -0.7
SXM 4.27 70 ePn 32 25.20 1.0
MEMT 4.32 78 ePn 32 24.50 -0.5
HVU 4.34 133 ePn 32 24.10 -1.0
ePg 32 36.87
eS 33 28.50
HTW 4.44 314 P 32 25.70 -0.8
BMW 4.67 293 (P) 32 46.75 17.0X
JCW 4.78 316 P 32 30.52 -0.8
PNT 4.82 339 P 32 33.00 1.1
0.7s 4.80nm
DUG 5.57 145 (P) 32 45.17 2.5X
S.D. = 0.8 on 50 of 58 obs.

% JUN 16, 1992 12h 42m 20.82± 4.38s
43.130 N ±22.8km 0.558 W ±26.0km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 1.0 (STR).

ESCF 0.05 193 Pg 42 22.99 -0.1
Sg 42 24.98
ATE 0.11 247 Pg 42 23.23 -0.5
Sg 42 24.83
MADF 0.19 275 Pg 42 25.05 0.0
Sg 42 28.60
ISSF 0.20 240 Pg 42 25.18 -0.1
Sg 42 28.24
LHE 0.22 192 Pg 42 25.98 0.3
Sg 42 29.80
ELYF 0.32 277 Pg 42 27.65 0.2
BOH 0.33 265 Pg 42 28.08 0.3
Sg 42 32.37
S.D. = 0.4 on 7 of 7 obs.

JUN 16, 1992 12h 56m 21.14± 0.42s
22.639 S ± 7.1km 68.044 W ± 8.9km
DEPTH = 142.4km (2 depth phases)
5.0mb (6 obs.)
NORTHERN CHILE (123)

CCH 5.53 19 eP 57 42.00 -0.7
CNCB 5.80 1 P 57 48.00 1.4
LPB 6.07 360 P 57 52.00 1.8
ZOBO 6.32 359 P 57 53.30 -0.5
S 29 04.00
ARE 6.95 332 eP 58 01.00 -1.0
iS 59 14.00
SIV 9.33 46 P 58 29.40 -4.2X
PPD 15.50 91 eP 59 54.70 1.4
JSC 57.98 347 ePd 06 00.08 -0.8
PRM 58.03 346 eP 06 00.35 -0.9
LHS 58.08 348 iPd 06 00.90 -0.7
CEH 59.14 350 eP 06 07.59 -1.3
0.6s 16.59nm 5.2mb
CVL 61.09 351 eP 06 21.81 -0.3
NA2 61.13 351 ePc 06 21.26 -1.1
FVM 63.87 340 ePd 06 38.97 -1.5
0.5s 36.25nm 5.6mb
CCM 64.19 340 ePd 06 41.64 -1.0
0.6s 8.52nm 4.9mb
pP 07 16.34 144km
SPA 67.50 180 iPd 07 03.00 -0.6
0.7s 12.50nm 4.9mb
LIC 67.94 73 P 07 06.00 -0.9
TIC 68.14 73 P 07 08.00 -0.2
KIC 68.26 73 P 07 08.10 -0.8
0.6s 9.00nm 4.8mb
SRU 73.16 327 iPd 07 38.54 0.5
pP 08 13.28 141km
MSU 73.57 325 ePd 07 41.48 1.0
e 07 56.67
ARUT 73.71 324 eP 07 42.65 1.4
DAU 74.51 327 eP 07 46.77 0.7
HVU 76.30 327 eP 07 56.06 0.1
HPI 77.89 328 ePc 08 06.61 1.8
ORV 79.48 321 ePd 08 14.20 1.0
SES 82.04 334 ePd 08 26.70 0.2
BLF 82.79 118 eP 08 31.30 0.2
DPW 83.37 329 iPd 08 34.16 0.8
RMW 84.87 327 (P) 08 40.95 0.1
YKA 92.52 340 eP 09 16.80 0.1
0.5s 5.30nm 5.0mb
ASPA 129.27 206 iPKPc 15 14.10 -0.6
1.5s 10.70nm
WB2 132.36 209 iPKPd 15 20.70 0.1
0.5s 6.30nm
WRA 132.37 209 PKP 15 21.10 0.4
0.4s 3.20nm
S.D. = 1.0 on 33 of 34 obs.

? JUN 16, 1992 13h 12m 39.38±11.82s
57.802 N ±97.8km 6.231 E ±25.4km
DEPTH = 10.0km (geophysicist)
NORTH SEA (534)
MD 2.5 (BER).

KMY 1.51 340 eP 13 06.05 -0.3
eS 13 22.14
eSg 13 23.54
ODD1 2.13 5 eP 13 15.44 0.0
eS 13 36.29
eSg 13 37.17
EGD 2.53 349 eP 13 21.50 0.4
eSg 13 52.00
ASK 2.74 349 eP 13 25.00 0.8
SUE 3.35 348 eP 13 32.30 -0.5
eS 14 06.70
HYA 3.38 360 eP 13 32.58 -0.5
NRA0 4.01 41 Pn 13 42.19 0.1
Pg 13 50.21
Lg 14 45.38
S.D. = 0.6 on 7 of 7 obs.

? JUN 16, 1992 14h 40m 14.44± 2.27s
37.853 N ±24.0km 68.948 E ±17.2km
DEPTH = 33.0km (normal)
4.6mb (4 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.(717)

QUE 7.82 193 eP 42 08.30 -0.7
eS 43 35.50
NDI 11.46 141 eP 43 00.80 2.0
GKN 16.41 122 P 44 04.20 0.2
0.6s 25.00nm 4.5mb
KKN 16.98 121 P 44 09.40 -1.8
0.6s 31.00nm 4.6mb
DMN 16.98 122 P 44 11.90 0.6
PKI 17.21 122 P 44 14.00 -0.2
GUN 17.31 120 P 44 14.60 -0.9
WRA 84.09 121 P 52 44.20 0.8
0.3s 0.40nm 4.1mb
WB2 84.10 121 eP 52 43.40 0.0
0.3s 1.70nm 4.7mb
S.D. = 1.3 on 9 of 9 obs.

JUN 16, 1992 15h 37m 48.07± 0.74s
66.953 N ± 6.9km 20.982 E ±10.5km
DEPTH = 10.0km (geophysicist)
SWEDEN (536)
MD 2.9 (BER).

KTK1 2.24 21 eP 38 26.15 0.5
eSg 38 55.63
TRO 2.80 345 eP 38 34.00 0.4
LOF 3.09 296 eP 38 36.99 -0.7
ARA0 3.09 31 Pn 38 37.40 -0.4
Sg 39 19.09
NUR 6.67 164 eP 39 28.00 -0.4
NRA0 7.50 218 P 39 40.73 0.7
S.D. = 0.8 on 6 of 6 obs.

% JUN 16, 1992 16h 30m 44.23± 1.70s
40.755 N ±13.3km 15.778 E ± 8.0km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

SGO 0.41 241 P 30 53.10 0.6
eSg 30 59.10
MGR 0.64 195 P 30 55.10 -2.0
eSg 31 05.10

16d 16h

ORI 0.86 143 P 31 00.40 -0.4
eSg 31 12.00
CSI 1.05 158 P 31 05.30 1.2
BRT 1.09 83 P 31 04.30 -0.4
eSg 31 18.60
TDS 1.18 158 P 31 06.00 -0.2
eSg 31 22.00
ROI 1.33 153 P 31 09.70 0.9
CZI 1.56 170 P 31 12.10 0.1
S.D. = 1.2 on 8 of 8 obs.

JUN 16, 1992 18h 59m 20.26± 0.26s
36.702 N ± 5.5km 71.753 E ± 3.8km
DEPTH = 123.9km (4 depth phases)
4.7mb (46 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.(717)

KSH 4.32 49 iP 00 27.50 2.3
S 01 17.00
FRU 6.51 19 iPnc 00 53.60 -1.3
QUE 7.63 213 eP 01 02.00 -8.4X
eS 02 25.00
PRZ 7.72 40 iPnc 01 12.00 0.5
e 02 47.00
TLG 7.85 32 iPn 01 11.50 -1.7
e 02 41.00
NDI 9.22 149 iPc 01 32.60 1.0
0.6s 66.67nm 5.6mb
MAIO 9.88 271 iPd 01 33.80 -6.6X
0.8s 60.40nm 5.4mb
eS 03 17.00
ASH 10.75 281 eP 01 45.20 -6.6X
eS 03 36.20
KAT 12.48 286 eP 02 07.00 -7.5X
GKN 13.91 125 P 02 32.20 -1.1
WMQ 14.09 55 P 02 35.00 -0.4
KKN 14.48 124 P 02 39.20 -1.4
DMN 14.48 125 P 02 39.40 -1.3
PKI 14.71 124 P 02 42.00 -1.6
GUN 14.80 122 P 02 43.00 -1.8
LSA 17.66 108 P 03 20.50 0.2
HYB 20.13 161 ePc 03 50.20 3.6X
1.0s 100.00nm 5.1mb
eS 07 20.50
GRS 20.18 286 eP 03 45.00 -2.1
1.2s 30.00nm 4.5mb
eS 07 20.00
KER 20.18 271 eP 03 46.00 -1.2
GRO 20.99 296 iPd 03 55.00 0.0
ipP 04 17.00 109kmX
SVE 21.45 343 ePd 03 58.80 -0.7
1.3s 40.00nm 4.6mb
e 04 29.90
ERE 21.59 288 iP 04 02.00 0.8
e 08 03.00
ARU 21.61 340 eP 04 01.00 0.0
eS 07 52.00
e 07 54.50
GTA 22.23 74 P 04 12.50 5.0X
0.7s 20.00nm 4.6mb
PYA 22.98 297 eP 04 14.00 -0.5
i 04 52.00 200kmX
eS 08 20.00
i 09 14.00
LZH 25.78 82 eP 04 45.00 3.7X
ZAK 26.40 49 eP 04 49.00 2.4
1.4s 21.00nm 4.5mb
e 05 16.00 127km
e 05 39.00
OBN 30.16 319 eP 05 19.50 -0.7
e 05 41.00 95kmX
i 06 36.00
TIY 32.24 76 eP 05 44.00 5.2X
CIT 33.09 49 eP 05 46.20 0.3
NRI 33.95 10 iP 05 52.80 -0.3
1.2s 24.00nm 4.9mb
i 06 20.00 123km
BOD 34.91 39 eP 06 00.50 -0.9
MLR 35.21 299 eP 06 07.00 2.7
KAF 37.79 327 iP 06 25.70 0.2
0.2s 1.70nm 4.5mb
NUR 38.02 324 iP 06 27.50 0.0
0.3s 8.80nm 5.1mb
PRU 42.66 307 eP 07 06.20 0.4
BRG 42.97 308 iP 07 09.10 0.8
1.0s 16.00nm 4.7mb
e 07 55.20 216kmX
GEC2 43.31 305 P 07 10.00 -1.2
0.6s 0.56nm 3.5mb X
KHC 43.36 306 P 07 12.40 0.9
1.0s 3.50nm 4.0mb
e 08 06.00 256kmX
e 09 29.50
CLL 43.54 309 iPd 07 12.50 -0.4
1.5s 13.00nm 4.4mb
KBA 43.77 303 eP 07 15.00 -0.1
MOX 44.47 308 eP 07 21.10 0.7
NB2 44.58 323 P 07 20.40 -0.8
0.7s 15.90nm 4.9mb
ARV 44.68 298 P 07 23.20 1.0
GRF 44.82 307 eP 07 25.20 1.9
CRE 45.36 298 P 07 29.60 1.9
SFI 45.37 299 P 07 29.00 1.5
OSS 46.00 303 ePc 07 33.00 0.2
LLS 46.74 303 ePc 07 38.30 -0.4
BOB 46.87 300 P 07 40.80 1.3
TMA 46.97 302 ePc 07 40.00 -0.5
CDF 47.59 305 eP 07 45.70 0.6
0.8s 3.75nm 4.2mb
PGF 47.72 297 eP 07 45.50 -0.7
0.7s 11.35nm 4.7mb
DIX 47.97 302 ePc 07 48.50 0.1
BSF 48.02 305 eP 07 47.90 -0.6
0.7s 13.80nm 4.8mb
HAU 48.28 305 eP 07 50.00 -0.4
0.7s 6.40nm 4.5mb
SBF 48.48 299 eP 07 52.10 0.0
0.8s 17.35nm 4.9mb
LPG 48.56 302 eP 07 52.90 0.0
0.8s 7.95nm 4.6mb
LPL 48.57 302 eP 07 52.80 -0.1
0.7s 10.80nm 4.8mb
RSL 48.60 302 P 07 52.62 -0.4
FOUF 48.77 300 iP 07 54.64 0.5
FRF 49.11 299 eP 07 56.40 -0.4
0.7s 12.00nm 4.8mb
LRG 49.34 299 eP 07 58.30 -0.3
0.6s 2.55nm 4.3mb
SMF 50.24 304 eP 08 04.90 -0.5
0.8s 16.50nm 5.0mb
SSF 50.36 304 eP 08 05.70 -0.6
1.1s 7.35nm 4.5mb
AVF 50.53 304 eP 08 07.10 -0.5
0.8s 18.25nm 5.0mb
MAF 51.21 304 eP 08 12.50 -0.2
0.8s 13.70nm 4.9mb
TCF 51.43 304 eP 08 14.30 -0.1
0.9s 14.10nm 4.9mb
LSF 51.89 304 eP 08 17.10 -0.8
0.9s 13.25nm 4.8mb
CAF 51.90 302 eP 08 18.00 0.0
0.8s 8.85nm 4.7mb
RJF 52.17 303 eP 08 20.00 0.0
1.0s 11.60nm 4.7mb
LDF 52.34 307 eP 08 20.30 -0.9
1.1s 19.55nm 4.9mb
FLN 52.52 307 eP 08 22.90 0.4
0.9s 20.95nm 5.0mb
EKA 52.56 316 Pd 08 21.70 -1.0
0.8s 5.90nm 4.6mb
LPO 52.57 302 eP 08 22.70 -0.2
0.9s 4.40nm 4.4mb
LFF 52.80 303 eP 08 24.50 -0.1
0.8s 12.20nm 4.9mb
GRR 52.87 307 eP 08 24.80 -0.2
0.6s 8.30nm 4.8mb
MFF 52.90 305 eP 08 24.40 -0.9
1.1s 19.05nm 4.9mb
EPF 53.67 300 eP 08 29.80 -1.3
0.6s 3.00nm 4.4mb
BCAO 58.30 250 iPc 09 04.00 -0.4
0.6s 17.00nm 5.2mb
i 09 35.20 131km
i 09 42.00
ILT 63.32 24 eP 09 32.00 -5.6X
MBC 67.11 3 eP 10 03.00 1.2
0.7s 5.00nm 4.5mb
BUL 69.68 223 iPd 10 19.40 0.9
0.6s 5.00nm 4.5mb
YKA 81.01 3 eP 11 21.20 -0.7
0.6s 1.80nm 4.0mb
WRA 81.59 122 P 11 28.40 2.8
0.7s 2.50nm 4.1mb
WB2 81.59 122 iPd 11 28.00 2.3
0.9s 8.70nm 4.5mb
i 11 57.70 115km
ASPA 83.87 125 eP 11 39.40 2.1
0.9s 5.30nm 4.4mb
CTA 90.08 115 P 12 12.10 4.7X
S.D. = 1.1 on 78 of 88 obs.

JUN 16, 1992 21h 40m 16.45± 0.58s
40.171 N ± 5.7km 19.619 E ± 4.6km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 2.9 (TIR).

VLO 0.31 342 ePg 40 22.50 -0.4
iSg 40 29.60
TPE 0.32 67 iPgc 40 23.00 -0.2
iSg 40 27.50
SRN 0.41 135 ePg 40 25.20 0.3
LSK 0.75 91 ePg 40 31.00 -0.2
iSg 40 41.00
TIR 1.19 9 ePn 40 38.50 -0.1
iSg 40 53.00
LCI 1.28 278 P 40 39.30 -0.9
eSg 40 50.80
OHR 1.30 43 iPn 40 41.30 0.8
1.0s 111.00nm
iSn 41 02.40
Lg 41 04.80
LACI 1.47 3 ePn 40 43.00 0.1
PHP 1.64 22 ePn 40 45.40 0.1
BRT 1.97 292 P 40 55.10 4.9X
SKO 2.27 37 ePn 40 56.20 1.7
VAY 2.52 62 ePn 40 56.00 -2.1
MGR 3.11 271 P 41 07.40 0.9
SOI 3.48 234 P 41 11.70 0.1
S.D. = 1.0 on 13 of 14 obs.

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* JUN 16, 1992 21h 40m 36.02± 2.28s
23.425 S ±18.6km 179.728 E ±13.4km
DEPTH = 603.0 ± 28.5 km
4.7mb (7 obs.)
SOUTH OF FIJI ISLANDS (171)

WCZ 13.32 199 P 43 29.30 1.8
KUZ 13.72 194 eP 43 31.70 0.3
HBZ 14.18 185 P 43 33.90 -2.0
PUZ 14.66 185 eP 43 39.60 -0.9
WLZ 14.80 193 eP 43 44.20 2.3
URZ 14.96 188 P 43 42.60 -0.8
eS 46 14.80
NOZ 15.21 185 eP 43 45.80 -0.1
PAHZ 15.55 188 eP 43 48.50 -0.7
WAHZ 16.47 189 eP 43 56.90 -1.2
MNG 17.51 191 eP 44 07.10 -0.9
KIW 17.85 192 eP 44 11.30 0.2
DIW 18.00 194 eP 44 12.90 0.4
MRW 18.25 192 eP 44 15.10 0.3
TCW 18.32 193 eP 44 15.70 0.3
ORZ 18.38 198 eP 44 17.80 1.8
THZ 19.16 196 eP 44 24.00 0.7
KHZ 19.63 194 eP 44 27.00 -0.5
LTZ 20.27 196 eP 44 32.90 -0.6
EWZ 21.33 198 eP 44 42.60 -0.4
CTA 31.23 270 iPd 46 09.60 0.0
0.3s 134.42nm 6.1mb X
TOO 32.50 236 iPd 46 20.90 0.7
0.6s 17.00nm 4.9mb
STK 34.67 247 iPd 46 38.70 0.4
0.5s 4.10nm 4.3mb
ASPA 41.87 260 iPd 47 36.30 -0.3
0.6s 15.60nm 4.7mb
WB2 42.18 266 iPc 47 38.30 -0.8
0.3s 18.70nm 5.1mb
eS 53 14.40
WRA 42.19 266 P 47 39.20 0.0
0.6s 6.40nm 4.3mb
FORT 46.24 249 eP 48 10.00 -0.3
WARB 47.99 255 iPd 48 23.20 -0.5
KLB 54.94 247 eP 49 13.20 -0.4
BAL 55.98 248 eP 49 20.50 -0.3
MUN 56.19 246 eP 49 22.30 0.0
MRWA 56.82 249 eP 49 26.40 -0.1
CSY 60.43 206 iPd 49 51.30 1.2
0.6s 19.60nm 4.6mb
SPA 66.72 180 iPd 50 34.40 4.4X
0.8s 22.92nm 4.7mb
TTA 88.19 11 (P) 52 25.56 1.1

BUL 128.34 215 iPKPc 58 32.20 -5.1X
0.8s 3.36nm
NB2 141.58 351 PKP 59 00.00 -0.6
0.7s 1.70nm
EKA 148.06 3 PKPd 59 20.90 9.5X
0.9s 6.50nm
OJC 149.00 335 ePKP 59 22.50 9.5X
DMU 149.16 8 ePKP 59 23.30 10.2X
DCN 149.66 8 ePKP 59 24.50 10.6X
KSP 149.76 339 ePKP 59 23.20 9.1X
i 59 25.00
e 01 36.30
CLL 150.33 343 iPKP 59 26.00 11.1X
0.8s 29.00nm
pPKP 01 38.00
BRG 150 46 342 iPKP 59 26.60 11.4X
0 8s 20.00nm
i 01 38.40
PRU 151.06 340 PKP 59 27.70 11.6X
e 01 40.00
KHC 152.11 340 ePKP 59 30.00 12.3X
e 01 42.60
GEC2 152.33 340 PKP 59 29.30 11.2X
0.5s 1.46nm
S.D. = 0.9 on 34 of 46 obs.

JUN 16, 1992 21h 43m 25.41± 1.19s
35.871 N ± 5.6km 21.796 E ± 4.4km
DEPTH = 12.4 ± 7.6 km
4.6mb (7 obs.)
CENTRAL MEDITERRANEAN SEA (400)
MD 4.2 (ATH).

VLI 1.25 47 ePb 43 53.30 4.9X
VLS 2.50 338 ePn 44 09.00 2.6
ATH 2.60 36 ePn 44 13.50 5.6X
NPS 3.17 100 ePn 44 21.00 5.0X
KEK 4.15 338 ePn 44 33.00 3.2X
LSK 4.37 348 iPnc 44 32.20 -1.0
iSn 45 21.20
KZN 4.43 360 ePn 44 36.00 2.1
VLO 4.93 339 ePn 44 48.20 7.2X
SOI 5.09 297 P 44 43.10 -0.2
eSn 45 28.00
OHR 5.29 352 iPn 44 46.90 0.8
LCI 5.39 327 P 44 46.00 -1.4
VAY 5.48 6 iPn 44 49.30 0.6
MSI 5.51 297 P 44 49.10 0.0
ROI 5.55 313 P 44 51.50 1.7
ATN 5.56 296 P 44 49.40 -0.5
eSn 45 39.40
CZI 5.60 308 P 44 49.90 -0.6
MEU 5.67 285 P 44 51.30 -0.2
eSn 45 44.20
TIR 5.67 345 ePn 44 51.00 -0.4
TDS 5.74 313 P 44 53.00 0.5
CSI 5.85 313 P 44 57.00 3.1X
PHP 5.90 350 eP 44 55.60 1.0
iSn 45 42.10
ORI 5.95 316 P 44 56.50 1.2
LACI 5.98 345 ePn 44 54.70 -1.0
MNO 6.05 292 P 44 57.80 0.8
SKO 6.10 357 iPn 44 57.20 -0.2
0.6s 53.00nm 5.5mb
iPg 45 06.70
iSg 46 02.90
Lg 46 08.00
BRT 6.16 326 P 44 57.50 -0.8
eSn 45 57.40
KKS 6.29 351 ePn 45 03.60 3.5X
SDA 6.39 344 ePn 45 03.00 1.4
iSn 46 11.00
ULC 6.40 343 iPnc 44 59.71 -2.0
iSn 46 03.54
MGR 6.51 313 P 45 03.00 -0.3
GIB 6.57 291 P 45 03.60 -0.7
ELL 6.61 80 ePn 45 07.00 2.2
BDV 6.81 341 iPnd 45 05.03 -2.4X
iSn 46 12.61
TTG 6.84 344 iPnd 45 06.31 -1.5
iSn 46 14.90
PVY 6.86 349 iPnd 45 07.94 -0.4
iSn 46 16.84
SGO 6.93 314 P 45 09.50 0.4
HCY 7.05 340 iPnd 45 08.10 -2.7X
iSn 46 17.49
IVA 7.14 349 iPnc 45 11.35 -0.9
iSn 46 23.99
NKY 7.26 343 iPnc 45 12.16 -1.7
iSn 46 24.83
USI 7.43 295 P 45 15.20 -0.9
BRY 7.46 341 iPnc 45 14.45 -2.2
iSn 46 28.21
PLE 7.68 347 iPnc 45 17.95 -1.7
iSn 46 35.85
DUI 8.14 317 P 45 26.00 -0.2
SDI 8.53 315 P 45 31.40 -0.2
CSS 9.46 92 eP 45 45.50 1.1
eS 47 26.70
ARV 10.22 321 P 45 55.00 0.1
KOT 10.30 122 ePn 45 55.00 -1.0
VRI 10.66 19 ePc 46 03.50 2.7
VBY 10.82 335 ePn 46 06.60 3.6X
eSn 47 58.50
PTJ 10.95 338 eP 46 02.60 -2.2
SFI 11.08 320 P 46 07.60 1.0
CEY 11.32 333 e(P) 46 10.00 0.1
eS 48 07.00
LJU 11.54 334 eP 46 16.50 3.6X
eS 48 10.50
VOY 11.77 332 eP 46 16.50 0.5
eS 48 15.80
DSI 12.09 107 eP 46 16.80 -3.6X
PRNI 12.36 113 eP 46 22.50 -1.5
MBH 12.57 115 eP 46 26.40 -0.4
FVI 12.67 330 P 46 30.00 2.0
CTI 12.72 326 P 46 29.00 0.2
KBA 12.86 333 eP 46 31.00 0.3
0.9s 7.70nm 4.9mb
e 48 41.00
i 48 44.40
KHC 14.56 338 eP 46 48.00 -4.9X
e 47 01.00
e 49 20.00
DOU 18.92 324 P 48 03.80 15.7X
OBN 21.77 23 iP 48 18.50 0.0
1.0s 18.00nm 4.4mb
eS 52 12.00
NUR 24.72 3 iP 48 48.60 1.2
0.6s 7.70nm 4.5mb
NB2 26.08 348 P 48 59.40 -0.8
0.5s 1.60nm 4.0mb
KAF 26.42 5 iP 49 04.30 1.0
0.4s 1.90nm 4.1mb
BCAO 31.43 186 iPc 49 52.00 3.3X
0.8s 18.00nm 5.0mb
KIC 38.15 226 P 50 47.60 1.4
LIC 38.42 226 P 50 50.10 1.5
GKN 53.11 80 P 52 44.30 -0.9
DMN 53.65 80 P 52 49.20 -0.1
KKN 53.71 80 P 52 49.30 -0.4
PKI 53.91 80 P 52 50.10 -1.2
GUN 54.14 79 P 52 52.00 -1.0
S.D. = 1.2 on 59 of 74 obs.

? JUN 16, 1992 22h 28m 52.20± 1.76s
41.679 N ±18.6km 15.778 E ±10.8km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

DUI 0.99 269 P 29 11.80 0.8
eSg 29 24.80
SGO 1.17 198 P 29 14.00 -0.1
eSg 29 30.00
BRT 1.34 126 P 29 17.00 0.1
eSg 29 35.00
SDI 1.47 272 P 29 18.00 -0.8
eSn 29 36.00
S.D. = 1.1 on 4 of 4 obs.

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* JUN 16, 1992 23h 13m 00.07± 2.03s
35.902 N ±17.2km 21.578 E ± 9.2km
DEPTH = 10.0km (geophysicist)
CENTRAL MEDITERRANEAN SEA (400)
MD 3.8 (ATH).

VLI 1.37 53 ePg 13 26.20 1.1
VLS 2.40 341 ePb 13 42.20 2.1X
ATH 2.68 39 ePg 13 49.50 5.4X
NPS 3.35 100 ePn 14 03.50 10.0X
SRN 4.16 343 ePn 14 10.20 5.2X
LSK 4.31 350 ePn 14 06.70 -0.5
SOI 4.92 298 P 14 15.20 -0.6
OHR 5.24 354 ePn 14 19.70 -0.6
LCI 5.27 328 P 14 20.30 -0.4
ATN 5.39 297 P 14 21.90 -0.5
ROI 5.40 314 P 14 23.70 1.0
VAY 5.47 8 iPn 14 22.00 -1.5
MEU 5.49 285 P 14 22.60 -1.3
TDS 5.59 314 P 14 27.20 1.9
TIR 5.60 347 ePn 14 24.00 -1.4
ORI 5.80 317 P 14 29.90 1.7
PHP 5.85 352 ePn 14 30.20 1.4
MNO 5.87 292 P 14 30.20 0.7
BRT 6.04 327 P 14 32.30 0.8
SKO 6.06 359 iPn 14 30.20 -1.7
i 15 34.50
KKS 6.23 352 ePn 14 35.20 1.0
MGR 6.36 313 P 14 35.30 -0.9
GIB 6.40 291 P 14 36.00 -0.7
SGO 6.78 315 P 14 42.80 0.8
DUI 8.00 318 P 14 58.90 -0.2
SDI 8.38 316 P 15 04.00 -0.5
CEY 11.21 333 e(P) 15 50.50 7.1X
eS 17 38.00
VOY 11.66 333 e(P) 15 50.00 0.5
eS 17 45.80
S.D. = 1.1 on 23 of 28 obs.

JUN 16, 1992 23h 24m 37.23± 0.88s
39.233 N ± 6.7km 26.131 E ± 6.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EZN 0.61 14 iPg 24 49.50 0.0
eSg 25 00.10
IZM 1.22 133 iPn 24 59.50 -0.4
EDC 1.74 50 iPn 25 07.50 -0.1
BNT 1.78 50 iPn 25 07.70 -0.5
DST 1.97 78 ePn 25 11.80 0.8
KCT 1.99 59 iPn 25 11.20 -0.2
CTT 2.60 42 ePn 25 20.00 0.0
IZI 2.80 66 ePn 25 22.70 -0.3
YLV 2.83 61 ePn 25 24.00 0.7
DMK 2.87 25 ePn 25 23.50 -0.3
ISK 2.90 50 ePn 25 23.80 -0.4
EYL 3.37 65 ePn 25 31.70 0.6
VAY 3.43 309 ePn 25 32.00 0.2
S.D. = 0.5 on 13 of 13 obs.

? JUN 16, 1992 23h 27m 13.17± 7.78s
39.245 N ±11.7km 25.665 E ±69.5km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)

EZN 0.77 41 ePg 27 27.10 -1.1
eSg 27 39.60
IZM 1.51 124 iPn 27 40.00 -0.3
EDC 2.02 56 ePn 27 48.00 0.3
BNT 2.06 57 iPn 27 48.70 0.4
KCT 2.30 63 ePn 27 52.00 0.2
DST 2.32 80 ePn 27 52.00 -0.1
CTT 2.85 47 ePn 28 00.00 0.5
S.D. = 0.7 on 7 of 7 obs.

JUN 16, 1992 23h 48m 53.53± 0.47s
39.545 N ± 4.2km 19.964 E ± 3.9km
DEPTH = 10.0km (geophysicist)
3.3mb (1 obs.)
GREECE-ALBANIA BORDER REGION (392)
ML 3.8 (ROM), 3.7 (TTG), 3.5 (TIR). MD 3.8 (ATH).

KEK 0.21 323 iPc 49 01.00 2.9
SRN 0.34 5 iPgd 49 02.10 1.6
iSg 49 05.70
TPE 0.75 3 iPgc 49 09.00 0.8
iSg 49 19.00
LSK 0.78 39 iPgd 49 08.50 -0.2
iSg 49 18.90
VLO 0.99 339 ePg 49 14.20 1.9
iSg 49 28.20
VLS 1.45 160 eP 49 20.50 0.7
eS 49 41.00
KZN 1.58 61 eP 49 22.70 0.9
eS 49 45.00
OHR 1.69 22 iPnd 49 24.40 1.1
1.0s 208.00nm
Lg 49 51.90
LCI 1.73 298 P 49 25.00 1.1
TIR 1.80 358 ePn 49 25.00 0.2

16d 23h

```
              iSn    49 51.70
LACI   2.10 355 ePn  49 29.00  -0.1
              iSn    49 59.50
PHP    2.17   9 ePn  49 30.20   0.0
              iSn    50 01.20
ULC    2.48 348 iPnc 49 33.24  -1.3
              iSn    50 07.41
SDA    2.49 352 ePn  49 35.00   0.3
              iSn    50 02.50
BRT    2.50 303 P    49 36.00   1.1
KKS    2.55   8 ePn  49 38.70   3.2X
ROI    2.62 272 P    49 36.60  -0.1
VAY    2.66  47 iPn  49 36.40  -0.9
              i      49 43.60
SKO    2.67  24 iPn  49 37.00  -0.3
   0.6s  103.00nm
              iPb    49 42.00
              iPg    49 44.00
              iSb    50 16.50
              iSg    50 19.60
              Lg     50 29.50
ORI    2.76 282 P    49 38.50  -0.1
TDS    2.80 273 P    49 40.30   1.1
CSI    2.85 276 P    49 40.60   0.7
GRI    2.85 256 P    49 39.93   0.0
BDV    2.87 343 iPnc 49 37.83  -2.3
              iSn    50 15.48
TTG    2.93 350 iPnd 49 40.14  -0.8
              iSn    50 19.27
CZI    2.99 265 P    49 43.30   1.5
PVY    3.05   0 iPnd 49 42.92   0.2
              iSn    50 24.47
HCY    3.10 340 iPnc 49 40.59  -2.8X
              iSn    50 19.86
IVA    3.32 359 iPnc 49 46.59  -0.1
              iSn    50 31.08
ATH    3.33 117 eP   49 46.50  -0.2
NKY    3.34 348 iPnd 49 45.41  -1.6
              iSn    50 28.53
SOI    3.39 246 P    49 46.90  -0.6
MGR    3.45 281 P    49 49.00   0.7
BRY    3.52 343 iPnc 49 47.01  -2.5
              iSn    50 30.74
VLI    3.67 139 eP   49 52.00   0.5
SGO    3.71 287 P    49 52.90   0.8
ATN    3.78 250 P    49 52.70  -0.4
HVAR   4.49 325 i(Pn) 50 00.30 -2.8X
MEU    4.65 240 P    50 02.60  -3.0X
DUI    4.69 299 P    50 06.70   0.5
PZI    4.70 239 P    50 02.32  -3.9X
SDI    5.15 297 P    50 13.30   0.7
FAI    5.43 247 P    50 14.10  -2.4
AZI    5.52 298 P    50 18.00   0.2
AQU    5.70 302 P    50 21.00   0.6
MNS    6.20 300 P    50 26.50  -0.8
ASS    6.53 305 P    50 31.10  -0.9
ARV    6.58 309 P    50 30.60  -2.2
VBY    6.89 331 e(Pn) 50 47.00 10.0X
PTJ    7.00 336 eP   51 15.50  36.9X
CRE    7.26 307 P    50 41.20  -1.1
CEY    7.41 328 ePn  50 41.20  -3.1X
              eSn    52 02.50
SFI    7.48 308 P    50 43.70  -1.5
VOY    7.87 327 ePn  50 48.00  -2.8X
              eSn    52 10.40
CTI    8.92 319 P    51 01.10  -4.3X
NB2   22.19 349 P    53 47.40  -3.9X
   0.7s     0.80nm          3.3mb
   S.D. = 1.2  on  45 of  56 obs.
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  JUN 17, 1992  00h 07m 03.44± 0.20s
  45.356 N ± 4.0km  151.301 E ± 2.8km
  DEPTH =  49.1km  ( 21 depth phases)
  5.3mb (102 obs.)  4.9Msz ( 35 obs.)
 KURIL ISLANDS                   (221)
    CENTROID, MOMENT TENSOR      (HRV)
    Data Used: GDSN
    L.P.B.: 32S, 52C
    Centroid Location:
    Origin Time        00:07: 7.1 0.5
    Lat 45.32N 0.05 Lon 151.57E 0.06
    Dep  29.2 3.2 Half-duration  1.5
    Moment Tensor;    Scale 10**16 Nm
      Mrr= 7.29 0.29  Mtt=-2.42 0.44
      Mff=-4.87 0.38  Mrt= 2.68 1.01
      Mrf= 2.13 1.13  Mtf=-3.82 0.36
     Principal Axes:
        T  Val=   8.09  Plg=76  Azm=335
        N         0.27       6      219
        P        -8.36      12      127
     Best Double Couple:Mo=8.2*10**16
      NP1:Strike=209 Dip=33 Slip=  79
      NP2:        43     57       97
KUR    2.43 268 iPnd+ 07 42.00   0.6
    Z  14s    56.00um
    N  14s    51.70um
    E  14s    77.80um
                iS     08 14.00
SHO    3.54 247 iPn   07 56.00  -1.3
    Z  16s    10.00um
                iS     08 40.00
KUSJ   5.25 247 P     08 18.70  -2.6
                eS     09 17.60
YSS    6.19 289 iPnd  08 35.00   0.5
                e      09 54.00
SKR    6.21  29 iPnd  08 31.50  -3.3X
    Z  14s     7.20um          3.6Msz
    N  14s     1.90um
    E  16s    11.20um
ASAJ   6.29 262 P     08 37.60   1.6
HOOJ   6.51 246 eP    08 37.80  -1.2
                eS     09 51.50
SAP    7.52 256 eP    08 53.00  -0.2
MRRJ   7.95 252 eP    08 58.40  -0.6
                eS     10 26.00
PET    9.05  29 ePn   09 12.00  -2.1
    Z  18s     4.40um
    N  16s     3.90um
    E  18s    10.00um
AOMJ   9.33 243 eP    09 15.50  -2.6
                eS     10 56.20
OFUJ   9.50 232 P     09 14.90  -5.6X
                eS     10 55.30
OKH    9.84 329 iPnc  09 26.00   1.0
    Z  15s     6.10um
NIIJ  12.29 233 P     09 54.80  -3.4X
KAKJ  12.43 227 P     09 55.50  -4.5X
                S      12 04.60
CHJJ  13.16 229 P     10 05.60  -4.1X
                S      12 26.70
MAT   13.23 233 eP    10 08.00  -2.7
      1.5s     86.11nm         5.4mb
                eS     12 32.00
MTMJ  13.43 234 P     10 10.90  -2.5
VLA   14.09 268 iP    10 21.50  -0.4
      1.0s    100.00nm         5.5mb
                eS     13 09.00
MGD   14.77 359 eP    10 29.00  -1.7
      1.7s    260.00nm         5.3mb
    N  13s     2.20um
                eS     13 16.00
TSRJ  15.21 235 P     10 35.10  -1.4
MDJ   15.38 275 eP    10 39.00   0.4
      0.9s     90.00nm         5.0mb
    Z  16s     6.49um          4.0Msz
    N  15s     2.32um
    E  15s     4.22um
                S      13 30.00
                sS     13 42.00
SMY   16.62  55 eP    10 56.60   2.3
SEY   17.59   2 eP    11 04.00  -2.3
    Z  16s     4.50um
                eS     14 20.00
SHK   17.87 239 eP    11 11.00   1.1
CN2   18.46 274 Pd    11 15.20  -2.0
      0.8s     65.00nm         4.9mb
    Z  18s     6.76um          4.7Msz
    N  15s     2.96um
    E  15s     4.95um
                esP    11 30.00
SHNJ  19.10 241 P     11 25.20   0.3
SNY   20.35 270 Pc    11 36.90  -1.2
      1.2s    160.00nm         5.2mb
    Z  16s     5.17um          5.0MszX
    N  14s     1.71um
    E  14s     2.91um
                S      15 21.00
                sS     15 32.00
KUMJ  20.36 238 P     11 38.40   0.1
YAK   20.85 331 eP    11 40.40  -2.6
      0.7s    274.00nm         5.7mb
    Z  18s     1.80um          4.5Msz
    N  16s     2.20um
    E  16s     2.00um
                i      12 04.00 121kmX
                iPPP   12 15.00
                eS     15 27.00
                e      23 03.00
KAGJ  21.29 235 eP    11 50.30   2.5X
ADK   22.02  61 eP    11 53.80  -1.1
DL2   22.85 264 Pc    12 04.00   0.9
      0.8s     61.00nm         5.1mb
    N  12s     1.21um
    E  12s     0.41um
                S      16 08.00
CIT   25.54 299 eP    12 29.00   0.0
    Z  16s     4.89um          5.1MszX
    E  17s     8.82um
BJI   26.22 271 eP    12 35.00  -0.3
      1.2s    130.00nm         5.4mb
    Z  16s     3.21um          5.0MszX
    N  14s     1.24um
    E  14s     2.10um
TIA   27.27 263 eP    12 45.70   0.7
      2.0s    130.00nm         5.2mb
    Z  20s     1.65um          4.6Msz
    N  16s     1.17um
    E  13s     0.89um
                eS     17 24.00
SSE   27.42 249 P     12 47.50   1.2
      1.6s     14.00nm         4.3mb
    Z  20s     2.80um          4.8Msz
    N  15s     0.80um
    E  16s     1.50um
                S      17 18.00
                sS     17 40.00
ILT   27.45  24 eP    12 43.00  -3.2X
      1.4s     34.00nm         4.8mb
    Z  18s     2.20um          4.8Msz
    N  18s     1.50um
    E  18s     1.80um
                iPPP   13 31.00
                eS     17 18.00
                eSSS   18 54.00
NJ2   28.39 253 Pc    12 56.40   1.4
    N  15s     2.78um
    E  16s     2.22um
                pP     13 07.00  39km
HHC   29.15 275 P     13 02.80   0.8
      0.8s     54.00nm         5.2mb
    Z  16s     6.52um          5.3MszX
    N  16s     1.12um
    E  15s     2.88um
                sP     13 19.00
TIY   29.85 269 eP    13 08.80   0.6
    Z  17s     1.92um          4.8MszX
    E  15s     1.11um
                S      18 06.00
                sS     18 24.50
BTO   30.33 276 P     13 12.50   0.0
    N  16s     2.61um
    E  17s     4.38um
SDN   31.74  54 P     13 30.00   5.5X
    Z  20s     1.59um          4.7Msz
ZAK   32.15 297 eP    13 28.00  -0.1
      1.5s     20.00nm         4.7mb
    Z  15s     3.63um          5.2MszX
    N  16s     1.35um
    E  15s     3.84um
WHN   32.36 256 eP    13 29.50  -0.7
      0.7s     13.00nm         4.9mb
    Z  18s     2.41um          4.9Msz
    N  18s     2.70um
    E  20s     1.97um
                pP     13 39.00  33kmX
XAN   34.15 266 Pc    13 45.50  -0.3
      1.0s     25.00nm         5.1mb
    N  15s     1.64um
    E  15s     0.81um
TTA   34.30  40 eP    13 46.90   0.1
SVW   34.35  43 ePc   13 47.90   0.6
      0.6s     17.70nm         5.2mb
IMA   35.68  35 eP    13 58.40  -0.2
      0.6s     10.00nm         4.9mb
BRW   35.77  26 eP    13 59.20   0.1
CPKM  36.00  43 P     14 01.70   0.3
KDC   36.02  49 eP    14 00.50  -0.8
CRP   36.03  43 P     14 01.10  -0.6
LZH   36.68 272 iPc   14 08.40   1.0
      1.8s    270.00nm         5.9mb
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Z 15s 1.50um 4.9MszX
E 14s 0.90um
sP 14 28.50
SLKM 37.00 44 P 14 07.30 -2.3
PMR 37.48 43 eP 14 13.80 0.2
0.6s 21.90nm 5.3mb
GTA 37.95 280 iPc 14 18.50 0.5
1.5s 77.00nm 5.4mb
Z 16s 2.86um 5.2MszX
E 13s 1.74um
pP 14 29.50 39km
sP 14 37.50
FBA 38.04 37 eP 14 18.20 0.0
TOA 38.85 42 eP 14 26.20 1.0
KLU 39.02 43 P 14 26.00 -0.6
NRI 39.13 330 iPc 14 24.80 -2.5
1.2s 15.00nm 4.7mb
Z 19s 5.80um 5.4Msz
i 16 36.00
CD2 39.51 265 iPc 14 31.20 0.2
0.9s 100.00nm 5.6mb
Z 16s 1.43um 4.9MszX
N 15s 1.32um
S 20 31.00
GYA 40.18 257 P 14 35.80 -0.8
Z 20s 2.75um 5.1Msz
N 15s 1.39um
E 15s 1.17um
S 20 45.00
BALM 40.79 43 P 14 41.50 0.2
KMI 43.75 259 Pc 15 06.50 0.6
1.9s 160.00nm 5.4mb
pP 15 18.50 43km
WMQ 44.26 292 iPd 15 10.50 0.8
0.7s 34.00nm 5.2mb
Z 20s 2.14um 5.1Msz
N 15s 1.99um
PcP 16 51.20
ScS 25 05.00
SIT 45.24 48 P 15 30.00 12.8X
Z 19s 1.20um 4.8Msz
MBC 46.33 19 eP 15 25.00 -0.7
0.5s 2.00nm 4.3mb X
HON 47.72 103 P 15 50.00 12.8X
Z 20s 0.47um 4.5Msz
LSA 49.09 273 iPc 15 48.90 0.6
0.8s 18.00nm 5.2mb
CHG 50.56 256 eP 16 00.30 1.2
0.9s 12.18nm 4.9mb
PRZ 50.91 294 eP 16 03.50 1.8
1.4s 70.00nm 5.5mb
Z 16s 1.90um 5.2MszX
N 16s 0.90um
E 16s 2.40um
TLG 51.17 296 eP 16 04.00 0.4
Z 16s 1.50um 5.1MszX
N 16s 1.60um
E 20s 1.60um
YKA 52.79 36 eP 16 14.40 -1.0
0.9s 7.10nm 4.7mb
FRU 53.14 297 iP 16 19.00 0.7
2.0s 90.00nm 5.5mb
Z 16s 2.00um 5.3MszX
N 16s 2.50um
E 16s 2.00um
e 17 19.00 276kmX
KBS 53.69 351 eP 16 20.70 -1.1
GUN 53.86 275 P 16 23.80 -0.4
SVE 54.00 317 ePd 16 23.00 -1.4
0.9s 40.00nm 5.4mb
Z 15s 1.50um 5.2MszX
N 15s 0.60um
E 15s 1.00um
KSH 54.05 292 P 16 26.10 1.0
Z 21s 1.99um 5.2Msz
E 12s 0.94um
KKN 54.36 275 P 16 27.60 -0.1
PKI 54.40 275 P 16 27.60 -0.5
DMN 54.59 275 P 16 29.20 -0.2
GKN 54.68 276 P 16 29.60 -0.3
ARU 55.18 317 ePd 16 31.00 -2.0
Z 16s 2.00um 5.3MszX
N 18s 1.00um
E 16s 1.50um
e 17 27.00 253kmX
GMW 56.24 54 P 16 41.30 0.5
PNT 57.07 51 eP 16 45.00 -1.7

0.7s 17.00nm 5.2mb
LON 57.24 55 P 16 47.40 -0.6
GAR 57.96 295 iP 16 52.50 -0.7
DAG 57.99 357 iPc 16 51.00 -1.7
1.0s 35.00nm 5.4mb
DPW 58.65 52 P 17 05.10 7.2X
NEW 59.03 51 P 16 59.00 -1.5
1.0s 25.00nm 5.3mb
pP 17 13.30 52km
NDI 59.44 281 iPc 17 03.20 -0.2
0.8s 104.48nm 6.0mb
KTK1 59.68 341 eP 17 02.31 -2.3
LBFM 60.25 60 P 17 09.50 0.4
SES 61.01 46 eP 17 13.00 -0.9
ORV 61.55 61 P 17 16.70 -1.0
LOF 62.49 344 eP 17 21.85 -1.7
LRM 63.05 51 eP 17 26.70 -1.2
FCC 63.12 32 eP 17 28.00 0.2
KVN 63.95 60 P 17 39.80 6.0X
KAF 64.17 335 iP 17 33.00 -1.7
0.7s 21.40nm 5.3mb
PTI 64.94 54 P 17 41.30 1.1
pP 17 54.60 47km
TNP 65.09 60 P 17 40.80 -0.5
0.9s 14.79nm 5.0mb
pP 17 54.50 48km
HVU 65.40 55 P 17 43.40 0.2
QUE 65.49 289 eP 17 36.50 -7.4X
OBN 65.74 325 eP 17 44.00 -0.8
0.8s 15.00nm 5.1mb
Z 16s 1.20um 5.2MszX
N 16s 0.60um
E 16s 0.80um
e 18 02.00 68kmX
e 20 11.00
HYB 65.76 271 eP 17 45.00 -0.5
ISA 65.84 63 P 18 00.00 14.1X
Z 18s 0.23um 4.4Msz
NUR 65.92 334 iP 17 44.40 -1.5
0.5s 24.60nm 5.5mb
ASH 66.07 300 eP 17 48.50 1.2
DUG 66.39 56 P 17 49.20 -0.3
1.1s 17.03nm 5.0mb
pP 18 02.80 48km
MAIO 66.42 298 eP 17 50.00 0.3
eS 27 04.00
KAT 66.53 302 eP 17 53.00 2.9X
Z 14s 0.80um 5.1MszX
N 14s 0.40um
E 14s 1.10um
eS 26 29.00
WB2 66.79 197 iPd 17 51.30 -0.6
0.6s 11.80nm 5.1mb
i 18 05.60 51km
WRA 66.79 197 P 17 51.50 -0.4
0.5s 6.30nm 4.9mb
DAU 67.16 55 P 18 00.30 5.7X
ARUT 67.58 59 P 17 57.90 0.8
PEC 67.80 64 P 17 57.50 -0.8
1.0s 7.34nm 4.7mb
pP 18 10.80 46km
MSU 67.86 57 P 17 59.00 0.1
ULM 68.40 40 eP 18 02.50 0.7
SRU 68.44 56 P 18 01.90 -0.5
UPP 68.50 337 iP 18 01.00 -1.2
MOL 68.58 343 eP 18 02.02 -0.6
RSSD 68.69 48 P 18 03.20 -0.8
1.2s 23.69nm 5.0mb
NB2 69.13 340 P 18 04.80 -1.3
0.6s 24.30nm 5.3mb
HFS 69.31 339 eP 18 05.50 -1.7
0.6s 69.10nm 5.8mb
Z 19s 0.71um 4.9Msz
LR 45 15.00
BAK 69.44 307 iPc 18 10.00 1.8
Z 15s 4.56um 5.8MszX
N 15s 5.97um
E 15s 2.39um
eS 27 10.00
GRO 69.72 311 iPc 18 10.00 0.1
0.5s 120.00nm 6.1mb
Z 20s 4.00um 5.7Msz
N 20s 1.50um
E 15s 2.00um
SHE 69.98 308 iPc 18 12.00 0.5
0.8s 100.00nm 5.8mb
Z 16s 3.00um 5.6MszX

N 16s 5.00um
E 15s 6.00um
iS 27 10.00
ASPA 70.50 197 iPd 18 15.40 0.6
1.6s 11.80nm 4.6mb
ipP 18 29.80 51km
PYA 70.61 313 eP 18 15.00 -0.4
1.3s 150.00nm 5.8mb
Z 20s 2.00um 5.4Msz
N 20s 2.00um
E 20s 1.50um
i 18 30.00 54km
GOL 70.99 53 P 18 18.40 0.3
0.8s 4.81nm 4.5mb
Z 20s 0.50um 4.8Msz
pP 18 32.20 48km
GRS 72.04 308 iPc 18 24.00 -0.2
1.3s 90.00nm 5.5mb
Z 14s 0.72um 5.1MszX
N 16s 0.80um
E 16s 0.96um
eS 27 38.00
ERE 72.57 310 iP+ 18 28.00 0.8
Z 17s 0.75um 5.0MszX
ANN 72.85 317 iPc 18 29.00 0.3
0.6s 50.00nm 5.6mb
ALQ 73.65 57 P 18 40.00 6.2X
Z 20s 0.31um 4.6Msz
MUD 73.69 339 iPd 18 33.70 0.4
0.5s 18.00nm 5.3mb
SIM 74.30 319 eP 18 28.00 -9.1X
Z 16s 1.10um 5.2MszX
WARB 74.66 203 eP 18 40.50 1.2
KER 75.21 304 eP 18 47.00 4.3X
ARMA 75.41 180 eP 18 45.00 1.4
OJC 75.92 330 iPd 18 46.10 -0.2
0.6s 90.00nm 5.9mb
KVT 76.30 315 eP 18 50.00 1.3
UZH 76.33 328 eP 18 48.00 -0.6
0.8s 50.00nm 5.5mb
Z 18s 1.50um 5.3Msz
e 19 03.50 55km
KSP 76.57 333 iPc 18 49.80 -0.1
0.8s 40.00nm 5.5mb
SPC 76.63 329 iP 18 50.50 0.0
VRI 76.84 324 ePd 18 52.50 1.0
CLL 77.20 335 iPc 18 52.60 -0.8
1.2s 79.00nm 5.6mb
Z 20s 1.00um 5.1Msz
i 19 08.10 55km
BRG 77.29 334 iP 18 53.40 -0.5
1.4s 42.00nm 5.3mb
i 19 07.80 50km
EKA 77.38 345 Pc 18 54.60 0.3
0.5s 9.80nm 5.1mb
MLR 77.47 324 ePc 18 56.00 0.9
WIT 77.61 339 eP 18 57.50 1.9
PSZ 77.82 329 iPc 18 56.60 -0.3
PRU 77.87 333 P 18 57.20 0.1
1.2s 31.00nm 5.2mb
Z 19s 1.10um 5.2Msz
N 19s 0.70um
E 17s 0.70um
e 19 06.00 28kmX
e 19 50.60
MOX 78.20 335 eP 18 58.50 -0.4
1.8s 86.00nm 5.5mb
Z 18s 0.40um 4.8Msz
N 20s 0.50um
E 21s 0.30um
e 19 14.10 55km
EEO 78.22 33 eP 18 59.00 -0.1
WTS 78.32 338 eP 18 59.50 0.0
1.0s 56.00nm 5.5mb
HOF 78.41 335 iPd 19 00.30 0.2
1.0s 31.00nm 5.3mb
SRO 78.48 330 eP 19 00.80 0.4
BUD 78.50 329 e(P) 19 01.00 0.4
ZST 78.57 331 eP 19 01.50 0.5
BBTK 78.86 316 eP 19 08.00 5.1X
KHC 78.93 333 Pc 19 03.00 0.0
1.0s 27.10nm 5.1mb
Z 18s 1.40um 5.3Msz
N 18s 0.80um
E 18s 0.80um
e 19 19.00 57km
e 28 08.00

17d 00h

WET 79.14 334 iPc 19 04.40 0.3
1.2s 81.00nm 5.5mb
GEC2 79.14 333 P 19 03.20 -1.0
0.6s 5.72nm 4.7mb
GRF 79.16 335 iPc 19 04.60 0.4
Z 19s 0.70um 5.0Msz
e 19 06.50 6kmX
DMU 79.39 347 iPc 19 05.70 0.4
UZD 79.42 329 eP 19 05.20 -0.4
ENN 79.67 338 eP 19 07.00 0.1
0.9s 45.00nm 5.4mb
CCM 79.71 45 P 19 20.00 12.7X
Z 20s 0.29um 4.6Msz
SLM 79.76 44 P 19 20.00 12.4X
Z 20s 0.68um 5.0Msz
DLF 79.91 347 iPc 19 08.60 0.5
0.6s 115.00nm 6.0mb
DCN 79.98 347 iPc 19 09.00 0.5
UCC 80.04 339 P 19 11.30 2.5X
FVM 80.17 45 P 19 09.00 -0.8
0.6s 17.57nm 5.2mb
Z 18s 0.54um 4.9Msz
pP 19 23.20 49km
SNF 80.32 339 iPd 19 11.27 0.9
ETA 80.44 346 eP 19 10.20 -0.7
FUR 80.50 334 iPd 19 12.70 1.3
DOU 80.63 339 Pc 19 13.10 1.1
i 48 33.70
KBA 80.81 332 iPc 19 13.40 0.2
0.8s 32.10nm 5.3mb
i 19 14.80 4kmX
i 19 30.20
ECB 80.85 347 eP 19 13.80 0.7
PTJ 80.95 330 iP 19 13.40 -0.5
ECP 80.96 346 eP 19 14.50 0.8
0.6s 60.00nm 5.7mb
WATA 81.15 334 iPc 19 15.20 0.2
WTTA 81.19 334 iPc 19 15.60 0.4
0.5s 22.30nm 5.4mb
i 19 24.30 28kmX
MOTA 81.28 334 iPc 19 15.90 0.2
i 19 17.60 5kmX
i 19 30.20
LJU 81.32 331 e(P) 19 15.00 -0.7
SOTA 81.36 334 iPc 19 16.40 0.3
i 19 18.10 5kmX
i 19 30.80
FVI 81.42 332 P 19 16.40 0.3
CDF 81.45 337 P 19 16.45 0.0
VBY 81.54 330 eP 19 17.60 0.8
VOY 81.54 332 eP 19 17.00 0.0
OLY 81.56 47 P 19 16.70 -0.4
pP 19 30.50 47km
CEY 81.62 331 eP 19 16.50 -0.8
ECH 81.66 337 P 19 17.43 -0.1
FEL 81.73 336 P 19 17.78 -0.2
OGA 81.73 334 eP 19 18.60 0.5
0.7s 27.00nm 5.4mb
TRI 81.87 331 eP 19 16.00 -2.5
PLE 81.88 327 iPc 19 19.28 0.5
ZLA 81.98 336 P 19 20.70 1.5
MOF 82.00 337 P 19 19.20 -0.2
VVI 82.07 332 P 19 18.80 -0.8
IVA 82.07 326 iPc 19 20.00 0.2
HAU 82.08 337 eP 19 19.60 -0.1
0.7s 12.35nm 5.0mb
Z 19s 0.40um 4.8Msz
BSF 82.12 337 eP 19 19.60 -0.4
0.8s 6.70nm 4.7mb
OSS 82.17 334 P 19 21.70 1.4
SKO 82.21 325 iP 19 21.00 0.6
Z 18s 1.03um 5.2Msz
i 19 35.20 49km
LR 59 33.00
CTI 82.27 333 P 19 20.40 -0.4
PVY 82.28 326 iPc 19 21.44 0.5
VAY 82.29 324 iP 19 21.00 0.2
LLS 82.35 335 P 19 22.30 1.0
NKY 82.48 327 iPc 19 21.18 -0.7
LOMF 82.54 337 P 19 22.40 0.2
VDL 82.55 334 P 19 24.20 1.8
BRY 82.58 327 eP 19 21.67 -0.8
TTG 82.70 326 iPc 19 22.43 -0.5
BNH 82.82 29 P 19 23.30 -0.2
HCY 82.98 327 iPc 19 23.54 -0.8
BDV 82.99 327 iPc 19 24.18 -0.3
FLN 83.08 342 eP 19 24.80 0.0

0.7s 30.00nm 5.4mb
Z 22s 0.20um 4.4Msz
TMA 83.08 335 P 19 25.50 0.4
ULC 83.10 326 iPc 19 25.05 0.0
LDF 83.15 341 eP 19 25.10 -0.1
0.9s 27.20nm 5.3mb
OHR 83.20 325 iP 19 25.00 -0.6
MML 83.21 310 eP 19 26.60 0.8
MMK 83.40 335 P 19 28.20 1.4
LOR 83.42 338 eP 19 26.80 0.2
0.7s 26.00nm 5.4mb
Z 20s 0.63um 5.0Msz
GRR 83.51 342 eP 19 27.40 0.4
0.6s 33.10nm 5.5mb
DIX 83.53 336 P 19 28.60 1.1
LBF 83.66 338 eP 19 27.90 0.1
0.6s 16.75nm 5.3mb
EMS 83.68 336 P 19 30.90 2.7X
SSF 83.71 338 eP 19 28.30 0.3
0.9s 20.45nm 5.2mb
LMN 83.74 24 ePc 19 29.90 1.7
LPF 83.89 342 eP 19 29.00 0.1
0.8s 28.05nm 5.4mb
AVF 84.00 338 eP 19 29.90 0.4
0.7s 25.35nm 5.4mb
SMF 84.00 338 eP 19 30.00 0.4
1.0s 65.00nm 5.6mb
SFI 84.09 332 P 19 30.80 0.9
ARV 84.09 331 P 19 31.40 1.3
BOB 84.11 334 P 19 30.90 0.7
RSL 84.12 336 P 19 30.30 0.0
LSD 84.17 336 P 19 31.88 1.1
MME 84.22 333 P 19 31.90 0.9
LPL 84.24 336 eP 19 31.90 0.8
1.0s 33.80nm 5.4mb
LPG 84.26 336 eP 19 31.60 0.4
1.0s 29.40nm 5.3mb
CRE 84.31 332 P 19 31.90 0.6
BGF 84.34 339 eP 19 31.80 0.5
0.7s 14.75nm 5.2mb
BDI 84.37 333 P 19 31.60 0.1
RSP 84.42 335 P 19 31.30 -0.5
HRV 84.54 30 P 19 40.00 7.8X
Z 18s 0.39um 4.8Msz
ASS 84.57 331 P 19 33.60 1.1
PCP 84.59 334 P 19 32.47 -0.1
BNI 84.68 336 P 19 34.90 1.8
PII 84.70 333 P 19 32.80 -0.2
BHB 84.70 335 P 19 31.92 -1.2
MAF 84.73 339 eP 19 33.80 0.6
0.7s 51.60nm 5.7mb
TCF 84.76 339 eP 19 34.10 0.7
0.8s 20.15nm 5.3mb
CKI 84.78 334 P 19 33.10 -0.3
AQU 84.94 330 P 19 35.80 1.4
LSF 84.96 339 eP 19 34.60 0.2
0.8s 26.05nm 5.4mb
FIN 84.99 334 P 19 34.07 -0.5
DOI 85.02 335 P 19 33.90 -0.9
ROB 85.02 335 P 19 34.25 -0.5
MFF 85.03 341 eP 19 35.40 0.7
0.7s 21.40nm 5.4mb
PRNI 85.05 309 eP 19 36.50 1.4
PZZ 85.06 335 P 19 34.14 -0.9
DUI 85.17 329 P 19 36.30 0.7
ENR 85.22 335 P 19 35.20 -0.6
STV 85.23 335 P 19 34.40 -1.4
TKL 85.25 42 P 19 36.10 0.1
IMI 85.36 334 P 19 36.61 0.1
SDI 85.36 329 P 19 36.30 -0.2
SBF 85.54 335 eP 19 38.20 0.8
0.7s 23.35nm 5.5mb
MBH 85.55 309 eP 19 38.90 1.2
SGO 85.82 328 P 19 37.70 -1.0
RJF 85.85 339 eP 19 39.30 0.5
0.8s 16.00nm 5.3mb
Z 19s 0.45um 4.9Msz
FRF 86.05 335 eP 19 39.90 0.1
0.9s 15.05nm 5.2mb
CAF 86.06 339 eP 19 40.90 1.0
0.7s 24.15nm 5.5mb
MGR 86.09 328 P 19 39.90 -0.2
CSI 86.13 327 P 19 40.30 0.0
ROI 86.19 327 P 19 41.20 0.6
TDS 86.21 327 P 19 41.50 0.8
LRG 86.23 335 eP 19 41.30 0.6
1.1s 33.70nm 5.5mb

Z 19s 0.52um 5.0Msz
PGF 86.25 333 eP 19 41.10 0.2
0.6s 7.20nm 5.1mb
LMR 86.30 335 eP 19 41.20 0.2
0.8s 22.45nm 5.4mb
LFF 86.38 340 eP 19 42.10 0.7
0.8s 28.75nm 5.6mb
LPO 86.51 339 eP 19 42.80 0.7
0.8s 22.70nm 5.5mb
CZI 86.67 327 P 19 44.60 1.7
CEH 87.20 39 P 19 46.30 0.8
0.8s 17.97nm 5.4mb
Z 19s 0.26um 4.7Msz
pP 20 00.10 47km
PRM 87.20 42 P 19 46.10 0.5
PERF 88.12 337 P 19 51.09 1.2
BCAO 115.02 306 ePKPd 25 55.20 14.2X
0.6s 6.00nm
i 26 35.80
TIC 124.05 331 PKP 25 58.20 0.0
KIC 124.22 331 PKP 25 59.00 0.5
LIC 124.45 331 PKP 25 59.00 0.1
ZOBO 136.11 62 ePKP 26 22.00 0.1
e 30 09.00
ITR 142.59 16 (PKP) 26 29.00 -4.0X
PDCR 146.10 18 ePKP 26 38.50 -0.4
e 26 53.20
PPD 150.27 46 ePKP 26 50.90 5.6X
e 27 06.40
S.D. = 0.9 on 270 of 298 obs.

% JUN 17, 1992 00h 46m 58.84± 0.71s
42.783 N ± 6.2km 12.477 E ± 9.6km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS 0.32 25 P 47 04.00 -1.5
eSg 47 08.50
MNS 0.43 159 P 47 05.50 -2.0
ARV 0.79 25 P 47 14.60 0.4
eSg 47 24.40
AQU 0.81 122 P 47 15.20 0.7
eSg 47 26.70
CRE 0.93 336 P 47 17.10 0.5
eSg 47 30.00
AZI 1.07 138 P 47 20.00 1.1
eSg 47 37.00
PGD 1.22 333 P 47 22.00 0.3
SFI 1.23 338 P 47 21.40 -0.2
eSg 47 38.60
SDI 1.46 137 P 47 26.00 0.6
eSg 47 45.00
BDI 1.87 314 P 47 31.40 0.1
S.D. = 1.1 on 10 of 10 obs.

JUN 17, 1992 00h 47m 09.70± 0.19s
45.213 N ± 1.7km 7.512 E ± 2.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 3.3 (LDG), 3.3 (GEN), 3.0
(STR).

RSP 0.19 251 Pd 47 14.46 0.5
LSD 0.35 314 Pd 47 17.02 0.0
S 47 21.20
BHB 0.41 206 P+ 47 18.63 0.5
S 47 23.78
ORO 0.53 39 P 47 20.90 0.5
eSg 47 31.30
LPG 0.61 298 Pg 47 21.30 -0.9
Sg 47 28.90
BNI 0.61 255 Pd 47 21.70 -0.5
eSg 47 29.00
LPL 0.63 299 Pg 47 21.60 -0.9
Sg 47 29.40
DOI 0.73 195 Pc 47 23.40 -0.8
eSg 47 33.40
PZZ 0.77 203 P+ 47 23.98 -0.8
S 47 32.57
DIX 0.87 355 ePc 47 26.20 -0.4
MMK 0.90 21 ePd 47 27.00 -0.1
EMS 0.95 335 ePd 47 28.00 0.1
ROB 0.95 164 P 47 28.50 0.6
S 47 41.22
CKI 0.96 145 P 47 29.30 1.3
eSn 47 43.00
STV 0.98 188 P+ 47 27.32 -1.0

S 47 38.88
ENR 0.99 184 P+ 47 27.67 -0.9
S 47 39.39
PCP 0.99 132 P 47 30.44 1.8
S 47 43.66
VAI 1.10 53 P 47 31.00 0.7
eSn 47 49.50
FIN 1.12 153 P 47 31.63 0.9
S 47 46.22
TOUF 1.21 189 Pg 47 31.09 -1.4
AUTN 1.22 183 Pg 47 31.56 -1.0
TMA 1.31 46 ePc 47 33.20 -0.8
IMI 1.33 168 P 47 34.28 0.0
S 47 51.03
AURF 1.33 186 Pg 47 33.23 -1.1
SBF 1.35 182 Pn 47 33.70 -0.9
Sn 47 56.00
BOB 1.44 107 P 47 37.00 1.0
e 47 57.00
REVF 1.48 184 Pg 47 35.90 -0.5
CALN 1.53 197 Pg 47 37.57 0.4
FRF 1.76 201 Pn 47 41.40 0.9
Sn 48 03.70
VDL 1.87 46 ePc 47 42.40 0.2
LRG 1.94 206 Pn 47 44.20 1.2
Sn 48 10.10
LLS 1.95 31 ePd 47 46.00 2.6X
CDR 1.98 220 ePn 47 45.00 1.4
i 47 46.30
e(Sn) 48 09.60
i 48 10.10
i 48 11.10
LMR 2.01 201 Pn 47 44.50 0.4
Sn 48 11.20
LOMF 2.19 348 Pn 47 47.52 0.8
SLE 2.64 15 ePc 47 53.20 0.1
MOF 2.65 354 Pn 47 53.94 0.6
BSF 2.67 350 Pn 47 54.20 0.6
Pg 48 00.60
Sg 48 33.60
FEL 2.69 7 Pn 47 53.46 -0.4
PGF 2.87 157 Pg 47 55.16 -1.3
HAU 2.91 344 Pn 47 57.30 0.4
Pg 48 05.40
SMF 2.94 301 Pn 47 58.30 1.0
Pg 48 06.70
Sg 48 41.30
ECH 3.01 355 Pn 47 58.36 0.0
CTI 3.02 72 P 47 58.50 0.0
LBF 3.03 307 Pn 47 59.30 0.7
Sg 48 45.80
CDF 3.20 357 Pn 48 00.96 -0.2
LOR 3.26 310 Pn 48 02.20 0.3
Sg 48 52.00
AVF 3.30 300 Pn 48 02.80 0.4
Pg 48 13.40
Sg 48 54.20
SSF 3.34 305 Pn 48 03.40 0.4
Sg 48 54.70
BGF 3.53 294 Pn 48 05.90 0.3
Sn 48 45.10
Sg 49 00.60
MAF 3.61 288 Pn 48 06.60 -0.2
Pg 48 18.40
Sn 48 46.50
Sg 49 04.30
TCF 3.86 288 Pn 48 09.90 -0.6
Sn 48 52.70
Sg 49 11.10
CAF 3.87 268 Pn 48 11.10 0.5
Sn 48 53.90
FVI 3.93 68 P 48 10.10 -1.2
RJF 4.23 273 Pn 48 16.40 0.7
LSF 4.32 286 Pn 48 16.90 0.0
Sn 49 03.60
Sg 49 26.20
LPO 4.52 266 Pn 48 20.60 0.9
LFF 4.80 269 Pn 48 24.30 0.5
MFF 5.52 287 Pn 48 33.70 -0.2
KHC 5.70 44 ePn 48 34.00 -2.4
ePg 48 49.50
e 49 06.50
eSg 49 31.00
LDF 6.23 306 Pn 48 43.20 -0.6
FLN 6.52 306 Pn 48 47.50 -0.5
LPF 6.53 299 Pn 48 47.30 -0.8
GRR 6.56 302 Pn 48 47.70 -0.9

S.D. = 0.8 on 63 of 64 obs.

JUN 17, 1992 01h 45m 44.02± 0.93s
42.781 N ± 8.4km 0.778 E ± 5.1km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 3.0 (LDG).

ENSF 0.33 274 Pg 45 50.74 -0.1
Sg 45 55.62
EPF 0.41 308 Pg 45 53.00 0.6
Sg 45 59.50
LESF 0.45 56 Pg 45 53.91 0.8
GRBF 0.56 84 Pg 45 54.95 -0.5
LSPF 0.84 78 Pg 46 00.17 -0.2
VDCF 1.19 99 Pg 46 06.17 0.0
PERF 1.57 100 Pg 46 12.30 0.2
LPO 1.92 9 Pn 46 17.30 0.2
Sg 46 47.20
EBR 1.97 186 ePg 46 21.00 3.2X
eSg 46 42.50
LFF 2.16 359 Pn 46 21.20 0.7
Sg 46 54.80
CAF 2.34 23 Pn 46 22.70 -0.4
Pg 46 29.30
Sg 47 00.30
RJF 2.58 12 Pn 46 27.20 0.7
Pg 46 33.30
Sg 47 07.20
LSF 3.51 9 Pn 46 37.50 -2.2
Pg 46 51.50
Sg 47 36.60
TCF 3.65 16 Pn 46 39.90 -1.9
Pg 46 53.90
Sg 47 41.60
MAF 3.67 20 Pn 46 43.20 1.2
Sg 47 41.50
MFF 3.88 351 Pn 46 44.20 -0.7
Sg 47 47.50
BGF 4.05 21 Pn 46 47.70 0.3
Pg 47 01.00
Sg 47 53.60
AVF 4.41 24 Pn 46 54.50 2.1
Sg 48 05.30
SMF 4.44 28 Pn 46 52.10 -0.8
Sg 48 05.70
S.D. = 1.1 on 18 of 19 obs.

• JUN 17, 1992 01h 58m 33.77± 1.27s
37.160 N ±12.7km 20.747 E ±10.0km
DEPTH = 10.0km (geophysicist)
IONIAN SEA (399)
MD 3.7 (ATH).

VLS 1.02 353 ePn 58 51.60 -1.5
eSn 59 08.50
VLI 1.81 103 ePn 59 05.00 -0.2
ATH 2.50 70 ePb 59 20.00 5.0X
OHR 3.95 1 ePn 59 36.20 0.5
ATN 4.31 285 P 59 40.40 -0.5
VAY 4.39 18 ePn 59 35.40 -6.5X
SKO 4.84 6 eP 59 49.20 0.9
SGO 5.43 310 P 59 57.50 0.8
S.D. = 1.2 on 6 of 8 obs.

• JUN 17, 1992 03h 22m 01.99± 1.16s
31.643 N ±10.8km 142.847 E ±32.4km
DEPTH = 33.0km (normal)
4.5mb (4 obs.)
SOUTH OF HONSHU, JAPAN (211)

CHJJ 5.44 325 P 23 23.80 1.0
S 24 23.50
MAT 6.22 323 eP 23 33.00 -0.9
0.9s 10.08nm 4.5mb
OFUJ 7.48 353 eP 23 51.50 -0.1
eS 25 11.50
WB2 51.94 190 iPd 31 09.60 -0.3
0.4s 3.10nm 4.6mb
WRA 51.94 190 P 31 10.20 0.3
1.0s 1.60nm 3.9mb
ASPA 55.66 190 iPd 31 37.30 0.0
1.2s 5.30nm 4.4mb
S.D. = 0.8 on 6 of 6 obs.

JUN 17, 1992 04h 13m 19.69± 0.75s
6.640 S ± 6.9km 147.054 E ± 8.9km
DEPTH = 21.1 ± 5.4 km
4.9mb (7 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 0.06 256 iPd 13 21.50 -2.0
FINC 0.80 88 eP 13 35.00 0.3
eS 14 05.40
YYYY 1.15 290 eP 13 41.30 0.6
MDG 1.87 317 eP 13 53.40 2.4
PMG 2.75 178 iPd 14 05.60 2.1
MNDI 3.41 278 eP 14 18.00 5.0X
WWKK 4.55 311 eP 14 36.00 7.0X
HNR 13.06 103 eP 16 30.00 3.2X
OIS 15.61 207 eP 17 00.00 -0.2
WB2 18.08 222 iPc 17 31.40 0.0
0.8s 17.80nm 4.3mb
eS 20 59.30
RMO 19.81 175 iPd 17 53.00 1.1
KNA 20.08 242 eP 17 48.00 -6.8X
GUA 20.16 354 eP 17 56.70 1.0
GUMO 20.21 354 eP 17 55.90 -0.3
ASPA 21.13 215 iPd 18 09.10 3.4X
0.6s 23.30nm 4.8mb
eS 22 06.90
STK 25.63 191 eP 18 50.10 0.6
0.5s 3.10nm 4.2mb
BFD 30.67 187 eP 19 33.00 -2.1
CHTO 53.74 299 eP 22 42.90 -0.1
BJI 54.48 331 eP 22 46.00 -2.1
LZH 58.73 320 eP 23 22.00 3.3X
2.0s 67.00nm 5.4mb
GUN 68.26 303 P 24 22.60 0.7
0.7s 18.00nm 5.3mb
PKI 68.54 303 P 24 23.00 -0.6
KKN 68.72 303 P 24 23.80 -0.8
DMN 68.80 303 P 24 24.60 -0.6
GKN 69.33 303 P 24 28.80 0.5
0.8s 16.00nm 5.2mb
SPA 83.40 180 eP 25 46.30 -0.4
0.9s 5.00nm 4.7mb
GEC2 122.46 325 PKP 32 13.90 -1.3
0.7s 0.69nm
ZOBO 138.39 124 PKP 32 48.00 0.7
KIC 151.98 271 PKP 33 20.60 11.5X
TIC 152.26 272 PKP 33 20.80 11.3X
S.D. = 1.3 on 22 of 30 obs.

& JUN 17, 1992 04h 23m 53.78s
61.473 N 150.046 W
DEPTH = 36.6km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

PWA 0.20 24 iP 24 00.85 0.2
eS 24 06.78
PMS 0.33 134 eP 24 01.84 -0.3
SUA 0.33 269 iP 24 02.19 -0.2
eS 24 10.24
GHO 0.61 60 iP 24 05.28 -0.8
eS 24 15.19
KNK 0.77 94 eP 24 07.19 -1.0
eS 24 18.74
PTE 0.79 140 iP 24 06.94 -1.5
SKT 0.87 306 eP 24 08.67 -1.0
eS 24 20.99
SML 0.88 67 eP 24 08.73 -1.2
iS 24 21.52
CUT 0.94 354 eP 24 09.89 -0.7
eS 24 23.23
CGLM 0.96 261 eP 24 10.31 -0.7
SLKM 0.97 185 eP 24 09.44 -1.7
eS 24 23.03
SPU 1.01 254 eP 24 10.50 -1.2
iS 24 24.55
NCG 1.02 267 eP 24 10.99 -0.8
CRP 1.04 259 iPc 24 10.77 -1.4
CKN 1.06 257 eP 24 11.57 -0.8
CPKM 1.07 260 (P) 24 11.48 -1.3
CKL 1.14 257 eP 24 12.39 -1.2
eS 24 28.05
BKG 1.14 250 eP 24 12.42 -1.2
eS 24 28.32
BGL 1.15 260 eP 24 12.68 -1.0
SCM 1.35 73 eP 24 15.75 -0.8
eS 24 33.20
SEW 1.40 168 eP 24 16.95 -0.3
HUR 1.52 7 eP 24 18.46 -0.5

17d 04h

NNL 1.56 204 eP 24 19.84 0.3
REF 1.63 234 (P) 24 21.64 0.9
RSO 1.67 234 eP 24 20.18 -1.1
RS2 1.67 234 eP 24 20.23 -1.1
eS 24 40.58
RS1 1.67 234 eP 24 19.89 -1.4
eS 24 40.92
RED 1.70 233 eP 24 20.14 -1.5
eS 24 41.29
VLZ 1.82 99 eP 24 22.39 -0.9
TOA 1.95 69 eP 24 24.88 -0.2
KLU 1.98 88 eP 24 24.48 -1.1
TRF 1.99 357 eP 24 25.54 -0.3
HIN 2.04 120 eP 24 25.96 -0.4
INE 2.05 228 eP 24 25.62 -1.0
INW 2.07 228 eP 24 25.67 -1.2
KTH 2.13 349 eP 24 27.57 -0.1
TZL 2.27 73 eP 24 28.36 -1.3
CVA 2.29 112 eP 24 29.43 -0.5
SDG 2.37 62 eP 24 29.64 -1.5
GLB 2.99 88 eP 24 39.19 -0.8
40 obs. associated

JUN 17, 1992 05h 41m 47.72± 0.31s
41.489 N ± 3.6km 15.725 E ± 3.7km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)
MD 3.3 (ROM).

BAI 0.94 113 P 42 06.00 0.5
eSg 42 19.00
DUI 0.97 281 P 42 06.80 0.7
eSg 42 20.10
SGO 0.98 199 P 42 05.50 -0.8
eSg 42 19.80
BRT 1.27 118 P 42 10.50 -0.8
eSg 42 27.90
RFI 1.32 262 P 42 12.79 0.7
MGR 1.36 186 P 42 11.00 -1.6
eSn 42 31.40
SDI 1.45 279 P 42 14.40 0.4
eSn 42 35.00
ORI 1.53 159 P 42 15.60 0.5
eSn 42 35.50
CSI 1.76 166 P 42 19.10 0.6
HVAR 1.77 17 e(Pn) 42 20.10 1.5
AZI 1.78 287 P 42 19.30 0.5
eSn 42 42.60
TDS 1.89 165 P 42 20.50 0.2
eSn 42 42.40
AOU 1.94 297 P 42 24.54 3.5X
AOU 1.94 297 P 42 21.20 0.1
ROI 2.02 161 P 42 22.60 0.3
LCI 2.05 124 P 42 25.00 2.4
e 42 51.50
RDP 2.27 278 P 42 26.30 0.4
ASS 2.77 306 P 42 34.10 1.1
SDA 2.87 78 ePn 42 35.00 0.7
ARV 2.88 315 P 42 33.90 -0.5
LACI 2.99 86 ePn 42 46.50 10.5X
VLO 3.03 108 ePn 42 49.50 12.9X
TIR 3.12 91 ePn 42 44.20 6.4X
SOI 3.42 176 P 42 41.40 -0.8
eSn 43 19.10
CRE 3.51 309 P 42 43.10 -0.4
PHP 3.54 85 ePn 42 42.80 -1.0
SFI 3.75 312 P 42 47.10 0.3
PGD 3.79 310 P 42 48.00 0.3
LSK 3.93 108 ePn 42 48.40 -1.1
SKO 4.30 82 ePn 43 03.00 8.3X
CEY 4.35 348 e(Pn) 42 55.00 -0.4
eSn 43 44.40
PTJ 4.41 2 e(Pn) 42 56.70 0.4
iSn 43 45.90
TRI 4.45 342 P 42 57.00 0.3
LJU 4.63 350 eP 43 19.50 20.1X
eSn 43 51.00
VOY 4.73 344 ePn 42 59.60 -1.3
eSn 43 53.20
CTI 5.43 328 P 43 07.80 -2.9
eSn 44 09.90
FVI 5.53 338 P 43 13.00 1.0
BOB 5.64 308 P 43 13.30 -0.4
KBA 5.84 344 e(Pn) 43 16.00 -0.6
i 44 13.50
i 44 21.50
S.D. = 1.0 on 33 of 39 obs.

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* JUN 17, 1992 07h 21m 31.88± 0.66s
24.261 N ±15.5km 94.784 E ± 8.4km
DEPTH = 33.0km (normal)
MYANMAR-INDIA BORDER REGION (294)

CHG 6.66 144 ePg 23 10.00 0.0
eSg 24 24.00
KMI 7.29 82 Pc 23 19.00 0.0
S 24 31.50
GUN 8.79 296 P 23 40.00 -0.1
PKI 9.06 293 P 23 44.40 0.6
KKN 9.24 294 P 23 46.00 -0.2
DMN 9.33 293 P 23 47.60 0.2
GKN 9.85 294 P 23 53.80 -0.7
S.D. = 0.5 on 7 of 7 obs.

& JUN 17, 1992 07h 46m 46.06s
34.694 N 121.610 W
DEPTH = 6.0km (geophysicist)
OFF COAST OF CALIFORNIA (38)
<PAS-P>. ML 2.7 (PAS).

BCH 1.35 68 eP 47 09.42 -1.9
PHAM 1.51 41 eP 47 11.27 -2.4
ABL 1.97 85 eP 47 18.96 -1.6
3 obs. associated

& JUN 17, 1992 07h 49m 24.19s
34.697 N 121.646 W
DEPTH = 6.0km (geophysicist)
OFF COAST OF CALIFORNIA (38)
<PAS-P>. ML 2.9 (PAS).

BCH 1.37 69 ePc 49 47.96 -2.0
PHAM 1.53 42 eP 49 50.04 -2.0
PKEM 1.85 42 (P) 49 54.76 -2.0
ABL 2.00 85 eP 49 57.48 -1.7
ARN 2.65 2 (P) 50 07.62 -0.6
BONR 4.23 39 eP 50 29.79 -1.1
6 obs. associated

JUN 17, 1992 08h 39m 15.42± 0.21s
60.373 S ± 5.7km 57.074 W ± 9.1km
DEPTH = 10.0km (geophysicist)
5.8mb (27 obs.) 5.9Msz (37 obs.)
SOUTH SHETLAND ISLANDS (154)
Mo=6.3*10**18 Nm (PPT).
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=220 Dip=87 Slip=-177
NP2: 130 87 -3
Principal Axes:
T Plg= 0 Azm=175
P 4 85
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 5
Moment Tensor; Scale 10**18 Nm
Mrr= 0.24 Mtt= 1.71
Mff=-1.94 Mrt= 0.27
Mrf= 0.39 Mtf= 0.46
Principal axes:
T Val= 1.83 Plg=12 Azm=352
N 0.23 75 210
P -2.06 9 84
Best Double Couple:Mo=1.9*10**18
NP1:Strike=128 Dip=75 Slip= 2
NP2: 38 88 165
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 90C
Centroid Location:
Origin Time 08:39:20.0 0.1
Lat 60.49S 0.02 Lon 57.35W 0.04
Dep 15.0 FIX Half-duration 4.4
Moment Tensor; Scale 10**18 Nm
Mrr= 0.12 0.02 Mtt= 1.53 0.02
Mff=-1.66 0.03 Mrt= 0.06 0.08
Mrf= 0.36 0.08 Mtf= 0.79 0.02
Principal Axes:
T Val= 1.73 Plg= 5 Azm=346
N 0.17 79 229
P -1.90 10 77

Best Double Couple:Mo=1.8*10**18
NP1:Strike=121 Dip=80 Slip= -3
NP2: 212 87 -170
AIA 5.90 211 eP 40 44.50 -0.4
SNA 23.98 137 iPc 44 31.90 1.6
LPA 25.48 358 iP+ 44 45.20 0.2
1.0s 608.00nm 6.2mb
Z 20s 46.81um 6.0Msz
eS 49 10.00
PEL 28.67 336 ePc 45 12.50 -1.7
SPA 29.79 180 iPc 45 23.10 -1.1
1.0s 265.00nm 6.0mb
ZON 29.85 340 eP 45 23.50 -1.3
RTBS 29.87 338 iPc 45 24.40 -0.5
RTLL 30.02 340 ePd 45 23.90 -2.5
PPD 38.52 9 eP 46 39.20 -0.3
e 46 43.00
CCH 43.43 347 eP 47 20.00 -0.2
CNCB 44.21 345 Pc 47 37.20 10.4X
LPB 44.50 345 Pc 47 29.20 0.2
Z 17s 43.54um 6.4MszX
PP 49 16.00
S 54 08.00
LR 02 07.00
ZOBO 44.75 345 ePc 47 30.71 -0.5
ed 47 35.42
S 54 14.00
LR 01 38.00
MAW 45.05 152 iPc 47 31.60 -0.7
1.0s 102.00nm 5.7mb
Z 13s 11.00um 6.0MszX
ARE 45.08 340 iPc 47 33.50 0.0
BDF 45.14 13 iPc 47 34.54 0.7
ed 47 39.34
PDCR 49.56 23 eP 48 07.80 -0.4
e 48 17.50
NNA 50.46 335 iP 48 14.00 -1.2
1.5s 36.11nm 5.1mb
DRV 52.64 188 P 48 30.00 -1.1
S 55 57.00
SS 59 24.00
LR 03 06.00
CSY 53.31 174 iPc 48 35.60 -0.4
0.7s 15.50nm 5.1mb
ITR 53.37 23 iPc 48 36.20 -0.8
CER 55.04 97 iPd 48 49.00 -0.2
CRZF 58.99 130 eP 49 35.00 18.0X
iS 57 33.00
eSS 59 29.00
eSSS 01 35.00
FRS 60.95 100 iPd 49 29.70 -0.9
1.2s 289.06nm 6.3mb
PAF 62.63 144 iP 49 52.00 10.3X
ePP 52 10.00
iS 58 24.00
WIN 62.85 88 iPd 49 42.40 -1.3
1.6s 516.67nm 6.5mb
Z 22s 14.44um 6.1Msz
SEK 63.25 101 iPd 49 45.20 -1.1
0.9s 117.65nm 6.1mb
PSO 63.38 337 eP 49 46.50 -0.9
PRY 64.34 100 iPc 49 51.60 -1.8
1.1s 60.81nm 5.7mb
KSR 64.94 98 iPd 49 56.50 -0.9
1.0s 95.00nm 5.9mb
BOG 66.16 341 iPc 50 06.00 0.6
iS 59 02.00
BMG 68.41 343 iPc 50 16.00 -3.3X
SDV 69.87 346 eP 50 27.00 -1.3
BUL 70.60 97 iPc 50 31.30 -1.5
1.0s 97.00nm 5.9mb
ipP 50 31.90 2kmX
iS 59 37.00
TOV 70.66 347 eP 50 31.40 -1.6
TRN 70.87 355 eP 50 32.00 -2.1
CAR 71.08 350 iPd 50 34.00 -1.6
iS 59 54.00
TVO 75.79 259 iP 51 07.50 4.4X
1.4s 385.00nm 6.3mb
PAE 76.06 259 iP 51 09.10 4.6X
1.4s 150.00nm 5.9mb
PPN 76.10 259 iP 51 09.20 4.4X
1.4s 170.00nm 5.9mb
PPT 76.13 259 iP 51 09.30 4.3X
1.4s 100.00nm 5.7mb
AFR 76.26 259 eP 51 08.00 2.3

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       1.4s     75.00nm           5.6mb
RUV    77.09 262 iP     51 14.40    4.1X
       1.6s    230.00nm           6.0mb
VAH    77.17 262 iP     51 15.10    4.3X
       1.6s    175.00nm           5.9mb
TPT    77.39 262 iP     51 16.30    4.4X
       1.6s    280.00nm           6.1mb
LIC    77.86  53 P      51 16.40    1.9
TIC    78.24  53 P      51 18.40    1.7
TOO    80.66 198 eP     51 29.00   -0.5
             e          51 37.00
KDS    81.01  44 iP     51 38.00    6.5X
MBO    81.15  39 iP     51 49.10   16.9X
             iS         01 47.10
BFD    81.47 196 eP     51 31.00   -2.7
       1.0s    120.00nm           5.9mb
             i          51 45.00
CNB    82.21 202 eP     51 43.00    5.3X
OXX    83.54 322 (P)    51 47.00    2.2
ADE    84.12 193 e(P)   51 46.50   -1.0
       1.1s    156.96nm           6.2mb
IIT    85.85 321 (P)    51 58.50    2.1
UNM    86.42 321 (P)    52 02.00    2.8
ARMA   86.52 205 eP     52 00.00    0.4
CMS    86.56 199 eP     52 00.00    0.4
BCAO   86.76  75 iPc    52 02.00    1.2
       0.9s     50.00nm           5.7mb
             i          52 24.50
             i          55 06.10
STK    86.81 196 iPc    52 01.20    0.3
       0.9s      3.70nm           4.6mb X
             iS         02 42.70
MRX    87.41 319 (P)    52 05.50    1.9
MUN    87.82 174 eP     52 04.30   -1.4
COOL   89.07 178 eP     52 10.00   -1.8
FORT   89.09 184 eP     52 10.00   -1.8
BAL    89.21 175 eP     52 11.00   -1.4
NAI    90.83  94 PDIF   52 25.00    4.7X
    Z  18s       4.81um           6.0Msz
             iSKKS      02 54.00
             ePS        04 22.00
ASPA   95.79 190 eP     52 44.20    1.3
       1.1s      7.50nm           5.1mb
    Z  21s       8.60um           6.2Msz
             i          56 34.30
             eSKS       03 18.00
             eS         03 55.70
CEH    97.61 342 P      53 00.00    9.5X
    Z  22s       3.55um           5.8Msz
CTA    97.62 202 eP     53 06.30   15.1X
       1.5s     83.33nm
WB2    99.43 191 iPd    52 57.30   -2.1
       0.6s      5.20nm           5.3mb
             i          57 16.90
WRA    99.44 191 P      52 57.80   -1.6
       0.5s      2.60nm           5.1mb
MCWV  101.42 342 Pdiff  53 20.00   12.3X
    Z  22s       2.74um           5.7Msz
FVM   101.76 334 Pdiff  53 20.00   10.7X
    Z  21s       5.26um           6.0Msz
CCM   102.02 333 ePdiff53 14.59    4.2X
       1.0s      7.85nm           5.3mb
    Z  22s       3.57um           5.8MszX
CCM   102.02 333 ePdiff53 10.74    0.3
       1.0s      7.85nm           5.3mb
    Z  22s       3.57um           5.8MszX
TUC   102.27 316 ePdiff53 21.03    9.2X
             i          56 21.86
             ePP        57 02.09
SLM   102.35 334 Pdiff  53 20.00    8.2X
    Z  20s       2.73um           5.8Msz
HRV   103.21 349 Pdiff  53 30.00   14.4X
    Z  22s       5.17um           6.0Msz
HRV   103.21 349 ePdiff53 16.10    0.5
    Z  22s       5.17um           6.0Msz
             ePP        57 29.84
             eHPP       57 30.34
ALO   103.24 320 Pdiff  53 30.00   13.8X
    Z  20s       5.38um           6.1Msz
ANMO  103.25 320 ePdiff53 15.68   -0.5
             ed         53 21.64
             ePP        57 30.17
             eHPP       57 30.99
GOL   107.28 323 PKP    57 50.00    7.0X
    Z  22s       2.88um           5.8Msz
ISA   108.06 311 PKP    57 50.00    5.7X
    Z  21s       2.11um           5.7Msz
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RSSD  110.97 326 ePKP   57 49.50   -0.3
                 ePP    58 28.20
HON   113.68 272 PKP    58 00.00    4.7X
    Z  19s       6.02um           6.2Msz
SES   118.67 324 ePKP   58 05.00    1.0
LON   118.96 315 ePKP   58 04.62   -0.1
OHR   119.31  58 ePKP   58 05.50   -0.1
GMW   119.99 315 ePKP   58 06.03   -0.6
VAY   120.23  59 ePKP   58 08.00    0.8
SKO   120.29  58 ePKP   58 17.00    9.7X
PNT   120.42 318 ePKP   58 08.00    0.6
GRF   122.72  46 e(PKP)58 13.30     1.6
    Z  21s       1.50um           5.6Msz
                 e      58 24.60
                 e      59 48.00
GEC2  122.92  48 PKP    58 10.40   -1.8
       0.9s      3.86nm
KHC   123.11  48 ePKP   58 14.00    1.5
       1.5s     16.10nm
    Z  18s       2.10um           5.8Msz
    N  18s       1.20um
    E  18s       1.30um
                 e      58 23.50
                 e      59 50.40
MOX   123.66  45 ePKP   58 13.80    0.3
    Z  21s       1.40um           5.6Msz
    N  19s       0.60um
    E  19s       0.90um
                 e      58 24.80
                 e      01 18.00
ZST   123.66  51 e(PKP)58 13.30    -0.3
                 e      00 25.60
PRU   124.17  48 ePKP   58 16.00    1.5
       1.2s      5.80nm
    Z  23s       2.10um           5.7MszX
    N  23s       1.80um
    E  23s       0.40um
                 e      00 06.00
                 e      05 18.00
BRG   124.68  47 ePKP   58 16.40    0.9
CLL   124.70  46 iPKP   58 17.00    1.5
       1.1s     17.00nm
    Z  19s       2.50um           5.9Msz
SHI   124.90  91 ePKP   58 17.00    0.2
MLR   125.05  59 ePKPc  58 16.00   -0.5
KSP   125.52  48 ePKP   58 22.40    5.3X
                 i      00 23.20
                 e      02 01.50
SPC   125.69  52 ePKP   58 17.80    0.0
                 e      58 26.00
                 e      00 19.00
OJC   126.34  51 ePKP   58 28.00    9.2X
                 i      58 36.20
KIS   127.50  59 ePKP   58 40.00   19.0X
    Z  20s       1.50um           5.7Msz
                 e      05 30.00
SIM   128.20  65 ePKP   58 30.00    7.6X
    Z  20s       2.50um           5.9Msz
ERE   129.35  76 iPKP+  58 25.00    0.1
                 i      00 38.00
ANN   129.59  67 ePKP   58 25.00    0.0
SOC   129.71  70 iPKP   58 37.00   11.7X
    Z  20s       1.00um           5.5Msz
    N  20s       1.30um
    E  20s       0.80um
                 ePS    10 50.00
GRS   129.71  78 iPKP   58 24.00   -1.7
       1.2s     40.00nm
YKA   130.15 329 ePKP   58 24.70   -0.9
       1.1s     10.40nm
PYA   131.62  72 ePKP   58 30.00    1.0
       1.3s     70.00nm
SHE   131.71  79 iPKP   58 34.50    5.3X
       1.0s     45.00nm
    Z  20s       5.00um           6.2Msz
    N  20s       6.00um
    E  20s       5.00um
NB2   131.96  37 PKP    58 30.20    1.0
       1.1s      9.30nm
HFS   132.02  40 ePKP   58 27.80   -1.4
       0.5s      1.00nm
SIT   132.19 314 PKP    58 40.00   10.4X
    Z  20s       2.45um           5.9Msz
MNK   132.23  53 ePKP   58 27.00   -2.7
GRO   132.35  74 ePKP   58 30.00   -0.4
QUE   132.45 103 ePKP   58 25.00   -6.2X
MAIO  133.71  92 ePKP   58 34.00    0.7
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NUR   135.95  45 ePKP   58 42.00    5.4X
    Z  20s       2.50um           5.9Msz
                 LR     01 10.00
                 e      02 14.00
                 e      19 22.00
                 e      24 10.00
NDI   135.99 115 ePKP   58 48.00   10.2X
OBN   136.76  57 iPKPd  58 49.00   10.7X
       2.0s    160.00nm
    Z  22s       1.70um           5.7Msz
    N  20s       1.10um
    E  20s       1.10um
                 ePP    01 32.00
                 ePKS   02 11.00
                 e      03 32.00
                 ePPP   04 59.00
                 ePKKS  11 24.00
                 ePPS   13 48.00
                 eSKKS  14 44.00
                 eP'P'  15 42.00
                 eSS    20 00.00
                 eRSKS  21 40.00
                 e      24 28.00
                 LQ     37 46.00
                 LR     45 40.00
OBN   136.76  57 ePKPd  58 38.00   -0.3
    Z  22s       1.70um           5.7Msz
    N  20s       1.10um
                 e      01 32.00
                 ePPS   13 48.00
DMN   138.45 125 PKP    58 38.00   -4.8X
PKI   138.54 125 PKP    58 38.60   -4.4X
KKN   138.68 125 PKP    58 39.00   -4.1X
DAG   139.00  13 ePKP   58 26.50  -15.4X
GUN   139.03 126 PKP    58 38.80   -5.1X
PMR   140.42 311 ePKP   58 44.00   -0.8
    Z  20s       3.00um           6.0Msz
REF   141.09 308 (PKP)  58 42.26   -4.1X
SDN   141.09 298 PKP    59 00.00   13.8X
    Z  20s       2.38um           5.9Msz
GAR   141.17  99 ePKP   58 35.70  -11.5X
                 e      05 14.00
MBC   141.93 340 ePKP   58 42.50   -4.7X
       1.0s      9.00nm
FBA   141.96 316 ePKP   58 40.67   -6.9X
KMI   142.11 149 PKPc   58 51.50    2.1
    Z  24s       6.70um           6.3MszX
    N  20s       4.00um
    E  20s       1.90um
                 PP     01 54.00
GZH   142.14 166 ePKP   58 46.00   -3.1X
    Z  22s       2.59um           5.9Msz
LSA   142.68 131 ePKP   58 51.00    0.5
APA   143.38  40 ePKP   58 45.60   -4.3X
TTA   143.80 310 ePKP   58 50.57   -0.3
KSH   144.28 104 PKP    58 51.00   -1.5
    Z  28s       2.30um           5.8MszX
    E  14s       1.54um
GYA   144.31 155 PKP    58 51.00   -1.9
    Z  24s       6.93um           6.3MszX
    N  18s       2.07um
    E  18s       2.55um
IMA   144.65 316 ePKP   58 51.35   -1.0
KBS   144.78  18 ePKP   58 53.20    1.2
AAK   145.99  99 ePKP   58 55.01   -0.4
FRU   146.20  99 iPKPd  58 56.50    1.0
       2.5s    250.00nm
    Z  22s       3.30um           6.1Msz
    E  22s       4.00um
ADK   146.43 283 ePKP   58 56.03    0.5
ARU   147.25  68 ePKP   58 59.00    2.3
       2.0s    150.00nm
    Z  20s       2.50um           6.0Msz
    N  20s       1.50um
                 e      02 28.00
PRZ   147.78 103 ePKP   59 00.00    1.8
       1.8s    140.00nm
    Z  21s       3.00um           6.1Msz
    N  21s       1.50um
    E  21s       2.00um
CD2   147.88 148 PKP    59 01.00    2.4
    Z  26s       5.71um           6.2MszX
                 PP     02 36.00
                 SKS    06 08.00
                 SKKS   09 21.00
BRW   148.04 323 (PKP) 58 58.86     1.4
ANM   148.22 309 (PKP) 58 57.62    -0.4
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17d 08h

SVE 148.41 68 iPKPd 59 02.00 3.5X
2.3s 200.00nm
Z 22s 2.50um 6.0Msz
N 20s 1.00um
E 20s 1.10um
e 02 36.00
eSSS 27 37.00
ENH 148.58 157 ePKP 59 02.67 3.0X
SSE 150.70 177 PKP 59 15.00 12.2X
Z 20s 2.30um 6.0Msz
N 20s 1.10um
PP 02 57.00
SKKS 09 40.00
SS 22 00.00
SSE 150.70 177 PKP 59 05.00 2.2
Z 20s 2.30um 6.0Msz
N 20s 1.10um
PP 02 57.00
SKKS 09 40.00
SMY 151.44 278 PKP 59 10.00 6.8X
Z 20s 4.17um 6.2Msz
NJ2 151.54 173 PKPc 59 06.60 2.5
XAN 152.11 155 PKP 59 07.90 3.0X
N 18s 2.72um
LZH 152.78 145 ePKP 59 06.50 0.5
Z 26s 3.06um 6.0MszX
E 20s 1.21um
WMQ 153.20 112 ePKP 59 06.60 0.4
Z 26s 2.85um 6.0MszX
PP 02 59.00
SKS 06 16.00
SKKS 09 44.00
MAJO 154.22 209 ePKP 59 14.39 6.6X
ePP 03 08.19
MAT 154.22 209 (PKP) 59 18.00 10.2X
Z 20s 2.13um 6.0Msz
ILT 154.41 312 ePKP 59 04.00 -3.0
e 03 02.00
GTA 154.53 135 ePKP 59 11.00 2.8
Z 24s 4.52um 6.2MszX
E 20s 1.88um
PKPab 59 33.00
PP 03 06.00
TIA 155.53 169 ePKP 59 14.90 5.4X
Z 26s 4.71um 6.2MszX
N 21s 3.88um
PKPab 59 38.00
TIY 156.36 159 ePKP 59 14.00 3.3X
Z 24s 4.95um 6.3MszX
N 23s 5.14um
DL2 158.50 177 ePKP 59 15.00 1.9
Z 30s 1.90um 5.8MszX
N 16s 0.89um
PKPab 59 50.00
BTO 158.64 152 ePKP 59 13.50 0.1
N 19s 2.43um
ePKPab59 51.50
ePP 03 28.50
eSKKS 10 16.50
BJI 159.21 165 ePKP 59 16.00 2.2
ePP 03 34.00
HHC 159.22 155 ePKP 59 14.00 0.0
Z 26s 5.64um 6.3MszX
N 20s 2.34um
E 20s 0.49um
PP 03 34.00
SKKS 10 20.00
SNY 161.42 182 PKPd 59 20.00 3.9X
Z 36s 4.27um
N 17s 1.21um
PP 03 44.00
SKKS 10 33.00
YSS 162.32 230 ePKPc 59 17.43 0.7
ePKPab00 02.20
NRI 162.94 44 ePKPc 59 15.00 -1.7
2.0s 37.00nm
e 04 00.00
CN2 163.33 186 ePKP 59 21.00 3.1X
Z 20s 3.09um
N 18s 1.50um
E 18s 1.31um
MDJ 163.72 197 ePKP 59 19.09 0.8
Z 34s 2.86um
iPKPab00 12.56
eSKP 02 50.74
eHPP 03 58.61
ePP 03 59.99

MOY 165.03 116 ePKP 59 20.50 1.3
ZAK 165.07 123 ePKP 59 21.50 2.2
1.6s 35.00nm
MGD 166.19 281 iPKP 59 23.00 3.1X
e 04 10.00
eSS 25 36.00
IRK 166.90 120 ePKP 59 21.00 0.2
e 04 20.00
e 08 18.00
CIT 170.14 144 ePKP 59 24.50 1.6
BOD 174.83 115 ePKP 59 23.80 -0.7
1.4s 27.00nm
YAK 176.32 300 ePKP 59 22.90 -1.7
3.0s 198.00nm
e 05 00.00
S.D. = 1.4 on 121 of 184 obs.

JUN 17, 1992 08h 57m 54.85± 1.35s
37.299 N ±11.1km 20.638 E ± 7.1km
DEPTH = 12.6 ± 3.5 km
3.5mb (1 obs.)
IONIAN SEA (399)
MD 4.0 (ATH). ML 3.7 (TIR).

VLS 0.88 358 ePg 58 11.30 -0.2
VLI 1.93 107 ePb 58 23.20 -4.5X
KEK 2.50 345 ePg 58 44.00 8.2X
ATH 2.53 74 ePg 58 38.00 1.6
SRN 2.62 349 ePn 58 39.10 1.5
iSn 59 20.10
LSK 2.85 359 ePn 58 41.60 0.7
iSn 59 22.60
TPE 3.03 351 ePn 58 46.00 2.6
KZN 3.13 16 ePn 58 44.50 -0.4
LCI 3.68 326 P 58 52.60 -0.1
SOI 3.72 283 P 58 53.10 -0.1
eSn 59 31.00
OHR 3.81 2 iPn 58 54.30 -0.2
1.4s 332.00nm
Lg 59 18.10
CZI 4.03 300 P 58 58.10 0.6
TIR 4.09 352 ePn 58 53.50 -4.8X
TDS 4.12 306 P 59 00.00 1.2
ATN 4.19 283 P 59 00.00 0.1
ORI 4.28 311 P 59 01.00 -0.3
VAY 4.29 20 ePn 58 59.00 -2.2
PHP 4.39 358 ePn 59 02.10 -0.5
LACI 4.39 351 ePn 59 02.10 -0.6
BRT 4.46 324 P 59 03.70 0.0
NPS 4.50 115 ePb 59 10.00 5.7X
MEU 4.56 269 P 59 04.10 -1.2
SKO 4.71 7 iPn 59 05.70 -1.6
1.1s 128.00nm
Lg 00 37.80
MNO 4.76 279 P 59 07.80 -0.4
KKS 4.77 358 ePn 59 12.00 3.9X
SDA 4.79 350 ePn 59 08.60 0.2
MGR 4.88 307 P 59 16.09 6.4X
SGO 5.28 310 P 59 16.30 1.0
HVAR 6.69 333 ePn 59 34.10 -1.1
PTJ 9.28 339 eP 00 19.90 8.6X
CEY 9.63 333 e(P) 00 15.50 -0.6
e(S) 02 01.50
VOY 10.07 332 e(P) 00 22.50 0.2
NB2 24.50 349 P 03 12.80 -1.9
0.6s 0.70nm 3.5mb
S.D. = 1.2 on 26 of 33 obs.

% JUN 17, 1992 09h 12m 08.60± 3.33s
39.074 N ±26.3km 27.643 E ± 9.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.93 55 iPn 12 26.20 -0.2
EZN 1.27 307 iPn 12 32.10 0.0
eSg 12 50.10
EDC 1.28 8 ePn 12 32.00 -0.4
KCT 1.30 25 iPn 12 33.10 0.5
BNT 1.30 9 iPn 12 32.60 0.0
S.D. = 0.5 on 5 of 5 obs.

JUN 17, 1992 09h 25m 37.61± 0.73s
43.044 N ± 9.7km 0.425 W ± 5.0km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 2.5 (LDG). Felt (II) in the
Ossau Valley, France.

ESCF 0.12 288 Pg 25 40.22 -0.3
Sg 25 42.17
LHE 0.19 228 Pg 25 42.30 0.3
ATE 0.21 282 Pg 25 41.91 -0.2
Sg 25 45.06
ISSF 0.27 267 Pg 25 43.76 0.4
Sg 25 47.77
MADF 0.31 290 Pg 25 43.71 -0.3
EPF 0.56 91 Pg 25 48.50 -0.5
Sg 25 57.20
LPO 2.01 35 Pg 26 12.70 0.7
Sg 26 39.80
LFF 2.07 24 Pg 26 15.40 2.6X
Sg 26 43.00
S.D. = 0.6 on 7 of 8 obs.

• JUN 17, 1992 09h 37m 58.94± 0.67s
13.104 N ±13.0km 87.800 W ±14.5km
DEPTH = 33.0km (normal)
4.4mb (3 obs.)
HONDURAS (72)
Felt in Choluteca and
Tegucigalpa Departments. Felt
(III) in La Union Department, El
Salvador. Also felt along the
coast of Nicaragua.

SJS 4.83 130 ePd 39 10.71 -0.7
ICR 4.98 128 eP 39 14.44 0.7
LCR2 5.00 132 ePd 39 12.45 -1.5
QCR 5.10 135 ePd 39 16.09 1.0
BUS 5.30 131 ePc 39 17.40 -1.0
ACR 6.35 134 ePd 39 32.30 -0.4
SDV 17.36 102 eP 42 01.70 1.0
TOV 17.95 99 eP 42 09.80 1.9
PRM 21.46 12 eP 42 45.87 -0.8
OLY 22.55 352 (P) 42 58.38 0.9
TKL 22.75 9 eP 42 58.15 -1.3
MEO 23.69 337 iPd 43 09.70 1.0
FKO 23.70 340 iPd 43 09.20 0.5
CCM 25.04 354 eP 43 20.05 -1.5
0.7s 3.49nm 4.1mb
PV10 31.46 327 eP 44 19.29 -0.7
SRU 32.79 326 eP 44 30.97 -0.5
MSU 33.29 324 eP 44 35.67 -0.3
ARUT 33.56 322 (P) 44 39.38 1.2
DAU 34.11 327 (P) 44 42.98 -0.2
HVU 35.89 327 eP 44 58.92 0.8
HPI 37.45 329 (P) 45 13.00 1.6
LBFM 40.91 320 eP 45 44.51 4.5X
SES 41.75 338 eP 45 49.00 2.4
PNT 44.59 331 ePc 46 09.00 -0.7
0.9s 10.00nm 4.7mb
YKA 52.89 345 eP 47 11.80 -1.9
1.1s 6.20nm 4.5mb
MBC 65.33 352 eP 48 38.00 -1.6
S.D. = 1.3 on 25 of 26 obs.

? JUN 17, 1992 10h 17m 07.03± 3.63s
34.840 S ±34.7km 70.950 W ±18.9km
DEPTH = 100.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.7 (SAN).

CACH 0.78 22 iPc 17 25.70 0.1
iS 17 40.30
CHCH 0.94 15 eP 17 26.80 -0.3
iS 17 42.80
LNV 0.96 337 iPc 17 27.30 0.0
iS 17 42.20
TACH 1.18 1 iPc 17 29.70 -0.1
iS 17 47.10
PCH 1.27 17 iPc 17 31.10 0.2
iS 17 49.30
SAN 1.40 10 iP 17 32.50 0.0
iS 17 51.90
FCH 1.60 20 eP 17 35.30 0.0
iS 17 57.40
PEL 1.71 7 iP 17 36.50 0.2
iS 17 58.20
ROCH 1.86 358 iP 17 38.60 0.0
iS 18 02.40
JACH 2.17 8 iPd 17 42.40 -0.1
iS 18 08.80
S.D. = 0.2 on 10 of 10 obs.

& JUN 17, 1992 10h 21m 50.11s

34.355 N 119.713 W
DEPTH = 11.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.6 (PAS), 2.6 (GS).

BLC 0.59 114 eP 22 01.04 -0.9
S 22 09.10
ABL 0.64 39 iPd 22 01.64 -1.3
BCH 0.88 340 ePn 22 06.09 -0.9
eS 22 17.53
TWL 0.93 94 eP 22 07.07 -0.7
SCY 1.07 103 eP 22 08.56 -1.6
S 22 22.80
GFP 1 18 101 eP 22 10.21 -1.8
S 22 25.85
PVPS 1 23 117 eP 22 11.92 -0.9
S 22 27.20
PVRC 1.27 118 eP 22 12.68 -0.8
PAS 1 29 99 eP 22 12.18 -1.8
S 22 29.03
CIW 1.31 132 eP 22 12.36 -1.9
S 22 28.98
MWC 1.38 95 eP 22 13.72 -1.6
S 22 32.25
CIS 1.44 131 eP 22 13.81 -2.3
PEM 1.54 96 eP 22 16.12 -1.4
PHAM 1.58 339 eP 22 15.96 -2.1
ISA 1.66 38 eP 22 17.79 -1.4
eS 22 39.36
SSK 1.68 94 eP 22 18.78 -0.9
BONR 3.77 17 (P) 22 50.90 1.2
TNP 4.23 28 (P) 23 00.32 4.2
18 obs. associated

• JUN 17, 1992 11h 08m 56.37± 2.06s
41.238 N ±17.4km 31.569 E ± 9.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MG 2.9 (DDA).

SGKT 0.76 151 iPg 09 10.00 -1.4
NAL 1.05 191 iP 09 16.90 0.6
eS 09 34.00
GYN 1.09 216 eP 09 16.00 -1.0
eS 09 37.00
GPA 1.35 226 ePn 09 22.00 0.8
HRT 1.50 255 iPn 09 22.60 -0.7
BBTK 1.66 147 eP 09 27.00 1.2
eS 09 49.00
GBZT 1.67 255 ePn 09 26.00 0.3
iSg 09 51.00
YLV 1.79 249 iPn 09 28.10 0.4
eSg 09 50.00
IZI 1.83 241 iPn 09 28.60 0.4
KCT 2.63 249 ePn 09 39.00 -0.7
S.D. = 1.0 on 10 of 10 obs.

? JUN 17, 1992 11h 42m 54.48± 1.01s
37.871 N ±15.3km 1.705 W ± 7.8km
DEPTH = 10.0km (geophysicist)
SPAIN (377)

EALH 0.23 93 eP 42 59.30 0.0
eS 43 02.40
EVIA 0.99 321 eP 43 13.70 0.4
eS 43 28.70
ECOG 1.59 249 eP 43 23.40 0.5
eS 43 46.80
EBAN 1.67 281 eP 43 23.10 -0.8
eS 43 46.00
S.D. = 1.0 on 4 of 4 obs.

• JUN 17, 1992 11h 47m 13.89± 2.03s
7.923 S ± 7.6km 128.852 E ±17.3km
DEPTH = 108.7 ± 25.3 km
4.9mb (18 obs.)
BANDA SEA (280)

MTN 5.38 156 eP 48 34.50 1.3
eS 49 33.00
KNA 7.78 181 eP 49 04.50 -1.5
0.2s 63.00nm 5.9mb X
eS 50 27.60
WB2 13.09 157 iPc 50 15.50 -1.3
0.6s 71.00nm 5.4mb X
eS 52 35.50
MBL 15.78 213 eP 50 47.00 -4.3X
0.3s 10.00nm 4.5mb
eS 53 32.00
OIS 16.31 141 iPc 50 58.10 0.2
0.5s 17.00nm 4.5mb
eS 53 51.00
ASPA 16.39 163 eP 50 57.30 -1.6
0.5s 12.50nm 4.4mb
e 51 05.80
eS 53 54.30
eScP 59 18.90
CGP 16.79 346 ePd 51 05.00 1.2
PMG 18.15 96 eP 51 28.00 7.5X
WARB 18.28 186 eP 51 21.00 -1.0
0.3s 10.00nm 4.6mb
NANU 19.39 220 eP 51 34.00 0.1
MEEK 21.00 206 eP 51 51.50 1.1
eS 55 37.00
FORT 22.75 182 eP 52 11.00 3.5X
MRWA 24.39 208 eP 52 25.00 1.5
S 56 51.00
BAL 25.27 205 eP 52 34.00 2.4
MUN 26.67 204 eP 52 46.00 1.5
BFD 31.67 159 e(P) 53 36.00 7.0X
e 54 14.00
TOO 33.15 155 eP 53 49.00 7.1X
SSE 39.48 350 Pc 54 35.60 0.3
1.2s 18.00nm 4.8mb
CHG 39.69 312 ePd 54 38.00 0.7
1.0s 12.25nm 4.7mb
WHN 40.70 341 eP 54 47.00 1.7
1.0s 18.00nm 4.8mb
NJ2 40.88 347 Pd 54 48.00 1.3
KMI 41.54 323 Pd 54 54.00 1.4
1.5s 60.00nm 5.2mb
MAT 45.09 11 eP 55 21.00 0.1
1.1s 7.59nm 4.4mb
XAN 45.81 337 eP 55 26.00 -0.6
0.8s 13.00nm 4.8mb
TIY 47.92 342 eP 55 43.30 0.1
BJI 49.14 347 eP 55 52.00 -0.4
1.0s 22.00nm 5.0mb
LZH 49.69 333 eP 55 57.50 0.5
1.2s 37.00nm 5.2mb
HHC 51.08 343 eP 56 06.00 -1.3
CN2 51.57 357 eP 56 12.00 1.2
GTA 54.24 332 P 56 30.50 -0.4
1.0s 19.00nm 5.0mb
GUN 54.71 312 P 56 32.60 -2.2
PKI 54.87 312 P 56 33.80 -2.1
0.6s 18.00nm 5.2mb
KKN 55.09 312 P 56 35.60 -1.7
0.8s 35.00nm 5.4mb
DMN 55.12 312 P 56 35.80 -1.8
1.0s 57.00nm 5.5mb
GKN 55.68 312 P 56 39.80 -1.7
0.6s 32.00nm 5.5mb
WMQ 63.55 328 P 57 36.00 0.9
0.7s 14.00nm 5.0mb
LPB 150.48 145 PKP 07 03.00 12.9X
ZOBO 150.65 145 PKP 06 57.00 6.4X
CCH 150.81 150 ePKP 07 02.00 11.6X
S.D. = 1.4 on 31 of 39 obs.

• JUN 17, 1992 12h 47m 35.43± 1.25s
63.178 N ±10.1km 155.765 W ±18.7km
DEPTH = 10.0km (geophysicist)
CENTRAL ALASKA (1)
ML 3.3 (PMR).

TTA 0.27 204 iPd 47 41.98 0.8
SVW 2.08 178 eP 48 09.11 -1.7
IMA 3.04 16 eP 48 24.53 0.0
REF 3.06 150 e(P) 48 25.87 0.9
PMS 3.49 121 eP 48 35.40 4.5X
FBA 3.91 60 eP 48 36.78 0.0
TOA 4.56 99 eP 48 51.20 5.2X
S.D. = 1.5 on 5 of 7 obs.

% JUN 17, 1992 14h 22m 17.41± 4.02s
33.605 S ± 8.0km 71.819 W ±29.2km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.7 (SAN).

LNV 0.49 136 iPd 22 27.50 0.2
iS 22 36.60
TACH 0.74 94 iPc 22 31.80 -0.1
iS 22 45.00
CHCH 1.03 109 iP 22 36.20 -0.6
iS 22 53.10
PEL 1.05 64 iPd 22 37.90 0.6
iS 22 54.60
PCH 1.09 91 iP 22 37.70 -0.2
iS 22 55.30
CACH 1.14 117 iPc 22 39.10 0.3
FCH 1.31 78 iPc 22 41.90 0.1
iS 23 00.70
JACH 1.38 48 iP 22 42.50 -0.3
iS 23 01.60
S.D. = 0.5 on 8 of 8 obs.

JUN 17, 1992 16h 19m 45.27± 1.04s
38.415 S ± 6.1km 177.245 E ± 7.6km
DEPTH = 91.1 ± 14.4 km
NORTH ISLAND, NEW ZEALAND (159)

PAHZ 0.47 199 Pc 19 59.40 -0.7
TAZ 0.61 287 P 20 00.20 -1.0
NOZ 0.65 108 Pc 20 01.90 0.3
WHH 0.75 231 eP 20 02.40 -0.3
PATZ 0.78 272 eP 20 02.40 -0.6
PUZ 0.87 67 eP 20 03.60 -0.3
eS 20 16.90
MAHZ 0.92 147 eP 20 04.90 0.5
HBZ 1.17 46 Pd 20 07.80 0.5
TTH 1.17 196 P 20 08.60 1.3
WLZ 1.43 293 P 20 10.20 -0.3
eS 20 27.10
WAHZ 1.46 208 P 20 11.80 0.8
MOZ 1.92 267 eP 20 18.30 1.4
KUZ 2.06 323 eP 20 17.80 -1.0
BSZ 2.27 232 P 20 23.90 2.3
PGZ 2.33 199 eP 20 21.50 -0.9
KIW 3.04 216 eP 20 31.40 -0.8
CAW 3.17 211 eP 20 32.50 -1.5
WCZ 3.39 316 P 20 37.40 0.5
DIW 3.50 226 eP 20 39.90 1.3
TCW 3.61 218 eP 20 38.50 -1.5
ORZ 4.37 235 eP 20 51.60 1.1
KHZ 4.90 214 eP 20 56.10 -1.7
eS 21 48.30
S.D. = 1.2 on 22 of 22 obs.

• JUN 17, 1992 17h 21m 29.23± 0.97s
17.211 N ±15.7km 93.682 E ±10.6km
DEPTH = 33.0km (normal)
4.4mb (4 obs.)
BAY OF BENGAL (319)

BDT 5.09 89 ePg 22 45.00 -0.2
eSg 23 55.00
CHG 5.25 72 ePn 22 47.00 -0.6
eSg 23 49.00
KHT 5.30 116 eP 22 48.50 0.3
NST 6.38 103 eP 23 04.50 1.1
WRA 54.38 131 P 30 55.30 -0.2
0.6s 1.60nm 4.2mb
WB2 54.39 131 iPd 30 54.90 -0.7
0.8s 3.80nm 4.5mb
ASPA 56.51 135 iPc 31 10.60 -0.3
0.9s 5.30nm 4.6mb
GEC2 70.69 316 PKP 32 44.50 0.5
0.6s 0.36nm 3.6mb
S.D. = 0.7 on 8 of 8 obs.

% JUN 17, 1992 17h 26m 13.00± 0.77s
42.960 N ± 6.1km 11.470 E ± 7.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

MAO 0.59 203 P 26 24.80 -0.2
eSg 26 34.60
CRE 0.75 28 P 26 27.00 -0.8
eSg 26 38.70
ASS 0.88 82 P 26 30.30 0.3
eSg 26 42.50
PGD 0.93 11 P 26 31.30 0.4
eSg 26 44.00
SFI 1.00 16 P 26 31.70 -0.2
eSg 26 47.20
ARV 1.20 63 P 26 35.60 0.2
eSg 26 52.20
BDI 1.27 330 P 26 37.00 0.4
eSg 26 53.00

S.D. = 0.5 on 7 of 7 obs.

? JUN 17, 1992 18h 35m 15.30± 0.89s
43.450 N ± 8.7km 12.625 E ± 7.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ARV 0.24 78 P 35 20.40 0.0
eSg 35 24.40
ASS 0.38 176 P 35 23.10 0.0
eSg 35 29.70
CRE 0.52 290 P 35 26.00 0.1
eSg 35 34.80
SFI 0.73 310 P 35 29.50 -0.1
eSg 35 40.00
S.D = 0.2 on 4 of 4 obs.

? JUN 17, 1992 18h 49m 15.41± 4.23s
46.748 N ±48.7km 12.373 E ± 7.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.1 (VIE).

SCE 0.54 303 iPgd 49 26.20 -0.2
eSg 49 33.10
WTTA 0.72 316 iPgd 49 29.80 0.1
iSg 49 38.90
KBA 0.74 63 iPgc 49 30.10 0.0
iSg 49 39.90
WATA 0.80 317 iPgd 49 31.10 0.0
iSg 49 41.90
SOTA 0.93 301 iPgd 49 33.30 0.1
iSg 49 45.30
OGA 0.93 278 ePg 49 40.00 6.6X
MOTA 1.05 305 iPgd 49 35.40 0.0
iSg 49 47.80
S.D. = 0.1 on 6 of 7 obs.

% JUN 17, 1992 18h 51m 33.84± 0.91s
42.957 N ± 7.2km 11.449 E ± 8.1km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

MAO 0.58 202 P 51 45.70 0.1
eSg 51 56.20
CRE 0.76 29 P 51 48.00 -0.8
eSg 51 58.00
FIR 0.83 350 eP 51 52.00 2.1
ASS 0.90 82 P 51 51.70 0.6
eSg 52 03.30
PGD 0.94 12 P 51 52.00 0.1
eSg 52 05.00
SFI 1.01 17 P 51 52.40 -0.5
eSg 52 07.00
PII 1.02 319 P 51 52.00 -1.1
eSg 52 07.00
ARV 1.22 63 P 51 56.00 -0.5
eSg 52 13.00
S.D. = 1.2 on 8 of 8 obs.

? JUN 17, 1992 19h 18m 29.40± 4.02s
23.264 S ±35.6km 179.608 W ±23.6km
DEPTH = 646.8 ± 43.5 km
5.0mb (9 obs.)
SOUTH OF FIJI ISLANDS (171)

WCZ 13.68 201 eP 21 25.70 1.6
KUZ 14.03 196 P 21 27.70 0.3
PUZ 14.87 187 eP 21 34.00 -1.5
WLZ 15.13 195 P 21 38.80 0.9
URZ 15.21 190 eP 21 36.90 -1.7
NOZ 15.44 187 eP 21 40.30 -0.5
PGZ 17.65 190 eP 22 00.20 -1.2
MNG 17.79 192 eP 22 01.60 -1.1
ORZ 18.72 199 P 22 12.10 0.9
THZ 19.48 197 eP 22 18.80 0.6
KHZ 19.94 195 eP 22 22.70 0.5
LTZ 20.60 197 eP 22 27.30 -1.1
EWZ 21.68 199 eP 22 40.60 2.6
ARMA 26.59 248 iPd 23 21.80 0.4
0.6s 17.00nm 4.9mb
RMQ 28.84 257 iPd 23 40.50 -0.2
0.7s 23.00nm 4.9mb
CMS 31.67 247 iPd 24 04.70 0.2
0.4s 13.00nm 4.9mb
CTA 31.84 269 iPd 24 06.50 0.5
0.5s 125.00nm 5.8mb
i 24 18.10
TOO 33 10 236 iPd 24 17.70 1.3
0.6s 55.00nm 5 4mb
STK 35.30 247 iPd 24 35.20 0.7
0.8s 11.00nm 4.4mb
ASPA 42.50 260 iPd 25 31.70 -0.8
0.4s 26.80nm 5.0mb
eS 31 12.10
WB2 42 80 265 iPd 25 33.30 -1.6
0.3s 24.50nm 5.1mb
FORT 46.87 249 iPd 26 05.30 -0.6
WARB 48.62 255 iPd 26 18.20 -0.8
KLB 55.56 247 eP 27 08.00 -0.4
MBL 55.75 260 iPd 27 08.80 -0.9
0.4s 12.00nm 4.5mb
BAL 56.60 248 eP 27 14.50 -1.0
MRWA 57.44 249 eP 27 21.00 -0.2
NANU 59.27 257 eP 27 33.50 0.1
CHTO 89.79 290 ePc 30 24.90 2.6
HFS 141 99 349 ePKP 36 45.90 -4.5X
0.3s 0.60nm
CLL 150.35 344 e(PKP)37 04.00 -0.2
S.D. = 1.2 on 30 of 31 obs.

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* JUN 17, 1992 19h 19m 12.45± 0.93s
41.109 N ±12.6km 21.023 E ± 6.2km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 2.4 (THE). ML 1.7 (SKO).

OHR 0.17 271 iPgd 19 16.30 0.0
i 19 19.30
SKO 0.92 20 ePg 19 30.00 0.0
iSg 19 42.50
GRG 1.05 98 ePg 19 32.22 -0.1
eSg 19 47.74
VAY 1.19 79 ePn 19 34.30 -0.3
KNT 1.42 87 ePb 19 38.66 0.4
eSb 19 58.66
LIT 1.50 132 ePbd 19 41.34 1.9X
eSb 20 03.10
S.D. = 0.3 on 5 of 6 obs.

% JUN 17, 1992 19h 27m 11.94± 0.97s
43.086 N ± 6.6km 11.392 E ±10.5km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

CRE 0.68 37 P 27 25.70 0.2
eSg 27 35.20
MAO 0.69 195 P 27 25.60 0.0
PGD 0.83 17 P 27 28.00 0.0
eSg 27 39.50
SFI 0.90 22 P 27 29.10 0.0
eSg 27 43.10
ASS 0.93 90 P 27 30.00 0.3
eSg 27 43.20
ARV 1.21 69 P 27 34.00 -0.4
eSg 27 51.50
S.D. = 0.3 on 6 of 6 obs.

% JUN 17, 1992 20h 02m 16.21± 2.61s
39.702 N ±11.3km 15.231 E ±19.4km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

MGR 0.50 30 P 02 26.20 -0.2
eSg 02 35.10
CSI 0.82 84 P 02 31.90 -0.2
CZI 0.85 124 P 02 32.40 -0.2
TDS 0.86 93 P 02 33.20 0.5
SGO 0.86 4 P 02 32.80 0.1
eSg 02 46.30
ROI 1.04 97 P 02 35.80 -0.1
S.D. = 0.4 on 6 of 6 obs.

JUN 17, 1992 20h 47m 29.33± 0.73s
36.292 N ± 7.0km 1.503 E ± 4.2km
DEPTH = 10.0km (geophysicist)
3.6mb (2 obs.)
NORTHERN ALGERIA (396)
mbLg 3.4 (MDD). MD 3.2 (ATH).

ABA 1.33 67 iPn 47 54.00 0.1
iSn 48 16.00
ACU 2.69 326 ePn 48 13.40 -0.1
eSn 48 45.00
EALH 2.81 305 ePn 48 15.50 0.3
eSn 48 49.90
ESEL 3.64 17 iPnd 48 26.80 -0.1
eSn 49 09.40
ECHE 3.83 330 ePn 48 30.20 0.6
eSn 49 14.00
EVIA 3.96 308 ePn 48 31.20 -0.3
eSn 49 17.00
EGUA 4.12 279 ePn 48 32.50 -1.1
eSn 49 21.30
ECOG 4.19 285 ePn 48 34.80 0.0
EBR 4.59 350 ePn 48 42.50 2.2
e 49 31.00
EBAN 4.62 295 ePn 48 40.90 0.1
eSn 49 33.00
EHOR 5.61 288 ePn 48 54.90 0.1
eSn 49 56.50
EJIF 5.63 274 ePn 48 55.20 0.1
NKM 5.68 264 iP 49 00.00 4.2X
i 50 01.00
IFR 6.11 245 iP 49 03.50 1.5
iS 50 49.00
GUD 6.21 316 eP 49 03.20 -0.2
eSn 50 11.60
EVAL 6.73 283 eP 49 09.20 -1.5
eSn 50 23.90
EPF 6.79 353 Pn 49 12.60 1.1
Sn 50 24.40
LMR 8.02 27 Pn 49 27.90 -0.7
Sn 50 54.50
LRG 8.07 26 Pn 49 28.60 -0.7
Sn 50 55.80
LPO 8.39 358 Pn 49 34.10 0.4
Sn 51 02.90
PGF 8.52 41 Pn 49 34.10 -1.7
Sn 51 04.10
CAF 8.64 3 Pn 49 37.30 0.1
Sn 51 09.40
LFF 8.66 356 Pn 49 36.90 -0.6
Sn 51 09.70
RJF 9.00 0 Pn 49 42.40 0.1
Sn 51 17.60
LSF 9.95 0 Pn 49 55.00 -0.3
Sn 51 39.70
MAF 9.95 4 Pn 49 55.50 0.1
TCF 10.00 3 Pn 49 55.50 -0.6
Sn 51 41.10
LPG 10.02 22 Pn 49 58.40 1.9
LPL 10.03 22 Pn 49 58.30 1.7
MFF 10.38 354 Pn 50 00.00 -1.2
AVF 10.58 7 Pn 50 09.60 5.6X
LPF 11.88 352 Pn 50 20.90 -0.8
GRR 12.21 353 Pn 50 25.70 -0.4
LDF 12.35 355 Pn 50 28.60 0.6
FLN 12.55 354 Pn 50 30.50 -0.1
DOU 13.98 8 P 50 59.70 10.2X
e 55 22.00
GRB2 14.95 27 e(Pn) 51 09.70 7.5X
GEC2 15.41 32 Pn 51 07.60 -0.7
0.6s 1.08nm 3.4mb
OHR 15.81 66 ePn 51 14.00 0.4
VLI 17.24 82 ePn 51 18.00 -13.7X
MLR 20.57 56 ePc 52 15.50 4.6X
HFS 25.12 14 eP 52 55.00 -0.5
0.5s 1.20nm 3.8mb
Z 16s 0.05um 3.1MszX
LR 02 42.00
S.D. = 0.9 on 36 of 42 obs.

% JUN 17, 1992 21h 19m 37.45± 1.55s
43.103 N ±12.6km 11.521 E ± 6.9km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

CRE 0.61 31 P 19 49.00 -0.9
eSg 20 00.00
FIR 0.70 344 eP 19 52.00 0.7
PGD 0.79 11 P 19 53.00 0.1
eSg 20 04.50
ASS 0.84 92 P 19 53.60 0.0
eSg 20 05.00
SFI 0.85 16 P 19 53.80 0.0
eSg 20 09.00
PII 0.95 311 P 19 55.20 -0.4
eSg 20 09.40
ARV 1.11 69 P 19 58.60 0.3
eSg 20 14.80

BDI 1.17 325 P 19 59.30 -0.1
eSg 20 16.30
S.D. = 0.6 on 8 of 8 obs.

JUN 17, 1992 22h 20m 28.36± 0.80s
43.652 N ± 6.1km 18.967 E ± 7.3km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 2.4 (TTG).

PLE 0.45 136 iPgc 20 37.14 -0.4
iSg 20 44.35
BRY 0.81 202 iPgd 20 43.14 -1.1
iSg 20 55.15
NKY 0 84 178 iPgc 20 43.91 -0.7
iSg 20 56.56
IVA 1.04 139 iPgc 20 47.42 -0.5
iSg 21 03.45
TTG 1 24 170 iPgc 20 51.52 0.1
iSg 21 09.85
HCY 1.25 196 iPgc 20 51.42 -0.2
iSg 21 09.79
PVY 1.29 145 iPgd 20 52.07 -0.3
iSg 21 11.37
BDV 1.37 184 iPgc 20 53.76 0.2
iSg 21 14.01
BEO 1.58 42 ePg 20 55.00 -1.5
eSg 21 14.00
ULC 1.70 173 iPnd 20 58.80 0.6
iSn 21 22.65
HVAR 1.90 256 iPn 21 01.50 0.5
iSg 21 26.20
BZS 2.73 43 ePc 21 14.00 1.0
OHR 2.88 151 ePn 21 17.50 2.3
S.D. = 1.1 on 13 of 13 obs.

% JUN 17, 1992 22h 37m 05.82± 1.83s
42.704 N ±24.4km 4.396 E ± 7.4km
DEPTH = 10.0km (geophysicist)
WESTERN MEDITERRANEAN SEA (387)
ML 2.5 (LDG).

LRG 1.62 62 Pg 37 34.40 -0.1
Sg 37 56.10
LMR 1.67 67 Pg 37 35.40 0.1
Sg 37 57.80
CAF 2.79 324 Pg 37 50.00 -1.4
Sg 38 25.00
EPF 3.00 278 Pg 37 54.10 -0.2
Sg 38 29.90
LPO 3.05 311 Pg 37 55.80 0.8
Sg 38 33.00
RJF 3.33 322 Pg 37 59.70 0.7
Sg 38 41.70
TCF 3.91 337 Pg 38 14.10 6.9X
Sg 39 02.20
BGF 4.01 345 Pg 38 14.90 6.3X
Sg 39 05.60
LSF 4.10 331 Pg 38 16.20 6.4X
S.D. = 1.0 on 6 of 9 obs.

JUN 17, 1992 22h 40m 55.26± 0.38s
31.217 N ± 6.6km 141.613 E ± 6.6km
DEPTH = 33.0km (normal)
4.6mb (13 obs.) 4.2Msz (1 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 6.02 333 eP 42 25.00 0.7
0.7s 30.82nm 5.1mb X
eS 43 33.00
MDJ 16.37 328 eP 44 43.10 -1.0
SSE 17.49 275 P 45 04.00 5.9X
Z 17s 0.80um
N 12s 0.30um
E 12s 0.30um
i 45 32.00
eS 48 26.00
CN2 17.91 319 eP 45 02.50 -0.8
1.0s 18.00nm 4.2mb
Z 16s 0.58um 4.1Msz
N 15s 0.50um
E 15s 0.59um
esP 45 14.00
SNY 17.92 311 iPd 45 04.40 1.0
1.0s 58.00nm 4.7mb
N 11s 0.41um
TIA 20.95 290 eP 45 38.00 0.3
Z 16s 1.05um 4.3MszX
N 15s 1.07um
BJI 22.41 300 eP 45 52.00 -0.3
1.0s 22.00nm 4.6mb
Z 16s 0.47um 4.0MszX
TIY 24.85 293 eP 46 15.50 -0.7
Z 20s 0.75um 4.2Msz
E 14s 0.57um
HHC 26.02 300 eP 46 27.60 0.4
Z 14s 0.95um 4.5MszX
N 13s 0.46um
BTO 27.13 299 eP 46 37.00 -0.3
N 14s 0.31um
E 16s 1.05um
XAN 27.61 285 P 46 41.40 -0.3
GTA 34.82 295 P 47 45.00 -0.3
1.0s 10.00nm 4.7mb
Z 16s 0.63um 4.5MszX
E 14s 0.51um
CHG 40.36 262 eP 48 32.90 1.2
WMQ 43.86 302 P 49 00.00 -0.2
1.4s 17.00nm 4.6mb
Z 14s 0.47um 4.6MszX
pP 49 07.00 23kmX
sS 55 46.00
PKI 48.66 281 P 49 38.80 0.1
WB2 51.34 189 iPd 49 58.00 -0.7
0.8s 8.20nm 4.7mb
WRA 51.34 189 P 49 58.50 -0.2
0.6s 3.40nm 4.5mb
IMA 51.67 28 (P) 50 00.94 0.1
ASPA 55.07 189 iPd 50 25.70 -0.6
0.7s 7.50nm 4.8mb
QUE 62.98 290 eP 51 11.30 -10.1X
MAIO 66.49 299 eP 51 46.00 2.1
KAF 73.56 334 iP 52 26.10 -0.3
0.5s 2.80nm 4.5mb
NEW 74.23 43 eP 52 30.60 0.0
0.9s 5.26nm 4.5mb
NUR 75.17 333 iP 52 34.60 -1.1
0.9s 12.70nm 4.9mb
HFS 79.46 336 eP 52 58.20 -1.3
0.5s 1.10nm 4.1mb
Z 17s 0.08um 4.1MszX
LR 27 10.00
NB2 79.61 338 P 52 59.90 -0.5
0.9s 3.40nm 4.3mb
ARUT 81.97 51 eP 53 14.00 0.5
SRU 83.13 48 eP 53 19.63 0.1
OJC 83.97 327 eP 53 29.00 5.7X
i 53 38.70
PV10 84.51 48 eP 53 26.79 0.2
CLL 86.22 331 eP 53 35.00 0.5
i 53 52.30
ZOBO 149.11 68 PKP 00 45.00 6.2X
LPB 149.27 68 PKP 00 40.00 1.2
S.D. = 0.8 on 29 of 33 obs.

JUN 17, 1992 23h 19m 33.22± 0.64s
49.139 N ± 5.2km 6.853 E ±10.4km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.6 (STR). MD 2.4 (UCC).

RUP 0.58 13 ePg 19 43.94 -1.0
CDF 0.78 159 Pg 19 48.22 -0.3
Sg 20 00.91
ECH 0.95 168 Pg 19 51.11 -0.2
Sg 20 05.81
VITF 1.09 212 Pn 19 53.30 -0.4
Sg 20 08.39
MOF 1.30 172 Pn 19 57.43 0.0
FEL 1.48 148 ePg 20 00.66 0.6
ENN 1.74 340 e(Pn) 20 05.00 1.4
0.5s 8.00nm
e(Sn) 20 26.50
DOU 1.75 304 iP 20 03.40 -0.4
i 20 08.00
SNF 2.16 311 iPd 20 17.00 7.3X
GRF 2.91 77 e(Pg) 20 28.10 7.7X
eSg 21 04.10
S.D. = 0.9 on 8 of 10 obs.

JUN 17, 1992 23h 21m 15.82± 0.55s
31.191 N ± 6.5km 141.667 E ± 9.3km
DEPTH = 33.0km (normal)
4.6mb (11 obs.)
SOUTH OF HONSHU, JAPAN (211)

KAKJ 5.15 346 P 22 32.90 0.2
S 23 30.30
IIDJ 5.31 325 P 22 40.20 5.3X
CHJJ 5.33 336 P 22 35.30 0.1
S 23 37.30
MAT 6.06 333 eP 22 46.00 0.5
0.7s 23.97nm 5.0mb X
eS 23 55.00
MTMJ 6.27 330 P 22 50.30 1.8
NIIJ 6.42 341 P 22 49.80 -0.8
OFUJ 7.87 0 eP 23 05.50 -5.3X
eS 24 28.00
MDJ 16.42 328 eP 25 03.60 -1.6
CN2 17.96 319 eP 25 24.20 -0.3
1.0s 12.00nm 4.0mb
Z 15s 0.70um 4.6Msz
N 12s 0.42um
E 12s 0.38um
epP 25 35.00
eS 28 48.00
SNY 17.97 311 iPd 25 25.00 0.4
1.0s 31.00nm 4.4mb
N 13s 0.52um
TIA 21.00 290 eP 25 58.50 -0.3
Z 16s 1.16um 4.4MszX
N 16s 0.78um
E 16s 1.04um
eS 29 42.50
BJI 22.47 300 eP 26 13.50 0.1
1.5s 57.00nm 4.8mb
Z 16s 0.58um 4.1MszX
E 14s 0.52um
eS 30 20.00
TIY 24.91 293 eP 26 37.50 0.3
Z 15s 1.18um 4.5MszX
E 18s 1.10um
HHC 26.08 300 P 26 48.40 0.2
Z 14s 1.18um 4.6MszX
N 13s 0.23um
E 12s 0.54um
BTO 27.18 299 eP 26 58.00 -0.3
N 14s 0.31um
E 17s 1.25um
XAN 27.67 285 Pc 27 02.40 -0.3
1.5s 20.00nm 4.6mb
LZH 31.73 289 eP 27 37.50 -1.6
1.4s 19.00nm 4.8mb
Z 16s 0.35um 4.1MszX
N 13s 0.35um
GTA 34.88 295 P 28 05.00 -1.3
1.0s 9.00nm 4.7mb
Z 16s 0.86um 4.6MszX
E 15s 0.60um
CHTO 40.40 263 eP 28 51.80 -0.8
WMO 43.91 302 P 29 22.40 1.2
1.3s 13.00nm 4.6mb
Z 16s 0.41um 4.4MszX
sP 29 34.00
ScS 39 08.00
WB2 51.32 189 iPd 30 18.70 -0.4
0.2s 9.40nm 5.4mb
WRA 51.33 189 P 30 19.00 -0.1
1.2s 2.00nm 4.0mb
ASPA 55.05 189 iPc 30 48.20 1.5
0.4s 8.40nm 5.1mb
QUE 63.04 290 eP 31 32.70 -9.6X
MAIO 66.55 299 eP 32 07.00 2.2
OBN 72.92 325 eP 32 57.00 13.6X
LR 07 10.00
NB2 79.66 338 P 33 17.60 -3.6X
0.9s 2.90nm 4.3mb
DAU 81.92 47 eP 33 33.82 -0.1
ARUT 81.96 51 (P) 33 33.73 -0.2
SRU 83.12 48 eP 33 38.89 -1.1
OJC 84.01 327 eP 33 48.50 4.4X
CLL 86.27 331 eP 33 56.00 0.7
e(Sg) 36 55.00
S.D. = 1.0 on 26 of 32 obs.

JUN 17, 1992 23h 34m 10.90± 1.05s
42.497 N ± 5.7km 20.202 E ± 8.5km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.8 (TTG).

17d 23h

PVY 0.20 300 iPgc 34 15.83 0.5
iSg 34 20.52
IVA 0.44 329 iPgc 34 19.27 -0.5
iSg 34 27.92
TTG 0.70 265 iPgc 34 24.08 -0.6
iSg 34 35.84
ULC 0.89 233 iPgd 34 27.10 -0.8
iSg 34 41.18
NKY 0.94 290 iPgd 34 28.92 0.0
iSg 34 44.98
PLE 1.02 325 iPgc 34 30.23 -0.1
iSg 34 45.75
BDV 1.04 259 iPgd 34 30.97 0.4
iSg 34 47.29
HCY 1.26 268 iPgc 34 34.87 0.5
iSg 34 54.63
BRY 1.29 289 iPgd 34 34.97 0.1
iSg 34 56.09
OHR 1.45 162 e(Pn) 34 37.50 0.2
S.D. = 0.6 on 10 of 10 obs.

? JUN 17, 1992 23h 45m 11.58± 1.76s
32.820 S ±21.6km 179.169 E ±20.0km
DEPTH = 432.9 ± 18.4 km
4.4mb (3 obs.)
SOUTH OF KERMADEC ISLANDS (179)

HBZ 4.82 188 eP 46 33.60 -0.4
PUZ 5.29 188 eP 46 36.80 -2.0
S 47 49.60
URZ 5.68 197 P 46 41.10 -1.6
S 47 58.80
WLZ 5.82 209 eP 46 46.80 2.6
NOZ 5.86 189 P 46 46.30 1.7
PAHZ 6.27 195 P 46 49.90 0.9
TTH 6.97 195 eP 46 57.20 0.7
WAHZ 7.23 198 eP 46 58.90 -0.6
PGZ 8.12 196 eP 47 09.00 -0.3
MNG 8.33 200 P 47 10.70 -0.9
eS 48 51.40
KIW 8.72 202 eP 47 16.50 0.4
CAW 8.90 200 eP 47 18.00 -0.1
AMW 8.90 197 eP 47 18.60 0.6
MRW 9.12 202 eP 47 20.00 -0.5
MOW 9.14 199 eP 47 20.50 -0.3
TCW 9.24 204 eP 47 21.70 -0.2
ORZ 9.60 212 eP 47 26.20 0.2
THZ 10.22 207 eP 47 32.90 -0.2
eS 49 32.60
KHZ 10.57 203 eP 47 35.80 -1.1
eS 49 40.20
DSZ 10.66 211 eP 47 38.50 0.5
MQZ 12.01 203 eP 47 53.50 0.8
ASPA 40.65 271 iPd 52 13.60 -0.1
0.4s 6.60nm 4.4mb
WB2 41.86 276 iPd 52 22.70 -0.7
0.2s 24.10nm 5.2mb
WRA 41.86 276 P 52 23.50 0.0
0.5s 2.30nm 3.8mb
KAF 145.94 337 iPKP 03 57.50 -2.8
0.4s 1.90nm
NUR 147.66 337 iPKP 04 02.60 -0.5
NB2 150.69 348 PKP 04 09.80 1.9
0.5s 0.90nm
HFS 151.04 345 ePKP 04 10.30 2.0
0.4s 1.30nm
S.D. = 1.3 on 28 of 28 obs.

% JUN 18, 1992 00h 02m 25.36± 1.67s
37.803 N ±16.3km 15.426 E ± 8.0km
DEPTH = 10.0km (geophysicist)
SICILY (398)

ATN 0.36 5 Pd 02 33.00 0.3
eSg 02 38.00
SOI 0.56 61 P 02 37.00 0.2
eSg 02 47.00
MNO 0.59 283 P 02 37.50 0.0
eSn 02 45.00
GIB 1.12 280 P 02 46.50 0.0
eSn 03 03.20
TDS 1.99 21 P 02 58.80 -0.5
eSn 03 25.50
S.D. = 0.4 on 5 of 5 obs.

% JUN 18, 1992 00h 13m 08.75± 1.35s
39.193 N ±13.7km 29.479 E ± 8.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ALT 0.51 105 ePg 13 19.00 -0.1
DST 0.78 302 ePg 13 22.60 -1.3
eSg 13 33.60
IZI 1.14 360 ePn 13 29.40 -0.8
KCT 1.36 321 iPn 13 34.40 0.6
YLV 1.37 357 ePn 13 34.40 0.4
EYL 1.47 21 ePn 13 35.40 0.1
BNT 1.67 315 ePn 13 39.40 1.2
S.D. = 1.1 on 7 of 7 obs.

JUN 18, 1992 00h 54m 34.37± 0.73s
36.989 N ± 5.6km 5.802 W ± 6.7km
DEPTH = 10.0km (geophysicist)
STRAIT OF GIBRALTAR (385)
mbLg 2.7 (MDD).

GIBL 0.20 217 iP 54 38.00 -0.8
ALJ 0.35 153 iP 54 43.00 1.3
EPRU 0.46 93 ePg 54 42.70 -1.0
eSg 54 50.00
EJIF 0.60 153 ePg 54 46.80 0.3
eSg 54 56.80
CNIL 0.65 198 eP 54 48.00 0.7
PLAT 0.87 178 eP 54 50.00 -1.1
EHOR 0.94 28 ePg 54 52.70 0.4
eSg 55 04.20
EVAL 0.96 309 ePg 54 52.80 0.2
eSg 55 06.70
S.D. = 1.0 on 8 of 8 obs.

? JUN 18, 1992 01h 15m 30.92± 1.50s
23.406 S ±14.6km 179.190 W ±21.8km
DEPTH = 500.0km (geophysicist)
4.7mb (5 obs.)
SOUTH OF FIJI ISLANDS (171)

QRZ 18.72 200 P 19 19.30 1.4
THZ 19.46 198 P 19 26.10 0.9
KHZ 19.90 196 P 19 29.20 0.0
LTZ 20.58 198 P 19 34.50 -1.2
EWZ 21.67 200 P 19 45.20 -0.4
ARMA 26.89 249 iPc 20 33.20 0.4
0.7s 15.00nm 4.6mb
RMQ 29.19 257 eP 20 53.50 0.8
PMG 35.05 288 eP 21 44.00 1.6
STK 35.60 248 iPd 21 46.80 -0.1
0.4s 3.40nm 4.2mb
ASPA 42.85 260 iPd 22 45.50 -0.3
0.6s 22.10nm 4.9mb
WB2 43.17 265 iPc 22 47.80 -0.5
0.4s 42.20nm 5.3mb
WRA 43.18 265 P 22 48.30 -0.1
0.7s 12.80nm 4.6mb
FORT 47.18 249 eP 23 18.00 -1.2
WARB 48.96 255 eP 23 31.50 -1.3
HFS 142.20 350 ePKP 34 06.50 -0.2
0.3s 1.50nm
S.D. = 1.0 on 15 of 15 obs.

% JUN 18, 1992 01h 22m 08.86± 0.95s
36.877 N ± 9.1km 5.259 W ±12.9km
DEPTH = 10.0km (geophysicist)
STRAIT OF GIBRALTAR (385)
mbLg 2.2 (MDD).

EPRU 0.09 14 eP 22 11.00 -0.5
eS 22 11.50
EJIF 0.46 202 ePg 22 19.80 1.6
eSg 22 28.60
GIBL 0.56 265 eP 22 21.00 0.8
CNIL 0.81 232 eP 22 24.00 -0.6
PLAT 0.86 208 eP 22 23.00 -2.4
EHOR 0.94 1 ePg 22 26.10 -0.7
eSg 22 37.60
ELUQ 1.05 49 ePg 22 29.20 0.6
eSg 22 42.20
S.D. = 1.6 on 7 of 7 obs.

JUN 18, 1992 02h 39m 08.83± 0.54s
45.215 N ± 4.1km 7.439 E ± 4.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.4 (GEN), 2.2 (LDG).

RSP 0.14 244 P 39 13.10 0.8
S 39 15.53
LSD 0.31 321 P 39 15.64 0.2
S 39 19.90
BHB 0.39 199 P 39 17.42 0.5
S 39 23.58
RRL 0.55 238 P 39 20.25 0.2
S 39 27.47
ORO 0.56 43 P 39 20.00 -0.3
eSg 39 30.00
LPG 0.56 301 Pg 39 19.90 -0.5
Sg 39 27.20
BNI 0.56 254 P 39 20.00 -0.4
eSg 39 27.50
LPL 0.58 301 Pg 39 20.40 -0.4
Sg 39 27.90
DOI 0.72 191 P 39 22.00 -1.1
eSg 39 31.00
PZZ 0.75 199 P 39 22.82 -0.8
S 39 32.13
ROB 0.97 161 P 39 27.69 0.4
STV 0.97 185 P 39 26.16 -1.2
S 39 37.54
ENR 0.99 181 P 39 26.34 -1.3
S 39 37.98
PCP 1.04 130 P 39 28.81 0.4
FIN 1.15 151 P 39 30.96 0.7
IMI 1.34 166 P 39 33.54 -0.1
SBF 1.35 180 Pg 39 32.80 -0.9
Sg 39 50.50
LRG 1.92 204 Pg 39 44.00 2.1
Sg 40 07.80
LMR 2.00 200 Pg 39 45.40 2.4X
Sg 40 09.40
S.D. = 0.9 on 18 of 19 obs.

% JUN 18, 1992 02h 46m 30.88± 1.88s
39.017 N ±17.4km 29.370 E ± 8.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ALT 0.58 86 ePg 46 42.50 -0.2
DST 0.82 316 iPg 46 46.50 -0.3
iSg 46 57.00
IZI 1.32 3 iPn 46 54.90 -0.4
KCT 1.46 328 iPn 46 58.40 1.1
YLV 1.55 0 ePn 46 58.40 -0.2
EYL 1.66 21 iPn 47 00.90 0.6
BNT 1.74 321 ePn 47 01.00 -0.4
CTT 2.25 342 ePn 47 08.40 -0.3
S.D. = 0.7 on 8 of 8 obs.

JUN 18, 1992 02h 54m 59.36± 0.51s
44.390 N ± 4.4km 7.327 E ± 4.8km
DEPTH = 13.2 ± 4.8 km
NORTHERN ITALY (545)
ML 1.9 (LDG), 1.8 (GEN).

STV 0.15 181 P 55 03.08 -0.1
S 55 05.06
ENR 0.18 158 P 55 03.57 -0.1
S 55 06.04
PZZ 0.20 306 P 55 04.25 0.1
S 55 07.42
ROB 0.40 103 P 55 08.05 0.3
S 55 13.76
BHB 0.45 354 P 55 08.41 -0.3
S 55 14.43
SBF 0.53 172 Pg 55 09.70 -0.4
Sg 55 16.00
IMI 0.63 140 P 55 11.65 -0.1
S 55 19.69
FIN 0.66 106 P 55 12.31 0.1
S 55 21.22
LRG 1.17 217 Pg 55 20.90 0.1
Sg 55 36.60
LMR 1.21 210 Pg 55 21.90 0.3
Sg 55 37.70
S.D. = 0.3 on 10 of 10 obs.

% JUN 18, 1992 03h 10m 02.14± 0.68s
44.381 N ± 6.2km 7.325 E ± 8.0km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.5 (GEN).

STV 0.14 180 P 10 05.42 0.0

S 10 07.60
ENR 0.17 156 P 10 06.15 0.1
S 10 08.51
PZZ 0.20 308 P 10 06.76 0.1
S 10 09.97
ROB 0.40 102 P 10 10.62 0.3
BHB 0.46 355 P 10 11.31 -0.3
IMI 0.62 139 P 10 14.17 -0.5
S.D. = 0.4 on 6 of 6 obs.

% JUN 18, 1992 03h 30m 28.64± 0.55s
40.675 N ± 4.5km 15.654 E ± 5.4km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

MGR 0.54 188 P 30 38.80 -0.8
eSg 30 46.40
MMN 0.82 162 P 30 45.00 0.4
ORI 0.86 135 P 30 45.50 0.3
eSn 30 58.00
CSI 1.02 151 P 30 48.80 0.8
BAI 1.02 64 P 30 48.00 0.1
TDS 1.14 152 P 30 51.00 1.0
eSn 31 05.00
BRT 1.19 80 P 30 49.50 -1.4
eSg 31 05.00
ROI 1.31 147 P 30 53.60 0.8
DUI 1.34 318 P 30 54.00 0.7
eSn 31 13.00
CZI 1.50 166 P 30 55.40 -0.2
SDI 1.73 307 P 30 59.00 0.0
eSn 31 22.50
LCI 1.79 100 P 30 59.80 0.1
ATN 2.51 183 P 31 09.00 -1.2
SOI 2.62 173 P 31 11.00 -0.7
eSn 31 41.00
S.D. = 0.8 on 14 of 14 obs.

JUN 18, 1992 03h 47m 36.06± 0.70s
39.609 S ± 5.5km 173.988 E ± 5.4km
DEPTH = 253.4 ± 7.7 km
OFF W. COAST OF N. ISLAND, N.Z. (158)

NRZ 0.27 351 P 48 09.00 0.2
BSZ 0.75 105 eP 48 10.50 0.3
DIW 1.19 182 P 48 12.90 0.0
MOZ 1.27 30 Pd 48 12.80 -0.5
S 48 38.20
KIW 1.44 151 P 48 14.20 -0.3
MNG 1.53 132 P 48 15.10 -0.1
S 48 40.10
TCW 1.62 172 Pc 48 16.00 0.2
ORZ 1.65 222 Pc 48 16.10 0.0
CAW 1.71 152 P 48 16.50 -0.1
MRW 1.71 162 P 48 16.40 -0.2
eS 48 43.10
WEL 1.78 161 P 48 16.90 -0.2
WAHZ 1.83 94 Pd 48 17.70 0.0
MTW 1.93 144 P 48 18.30 -0.2
PGZ 2.02 121 P 48 19.10 -0.2
MOW 2.05 152 P 48 19.20 -0.4
BLW 2.09 148 P 48 19.80 -0.1
CCW 2.15 175 eP 48 20.90 0.5
AMW 2.17 142 P 48 20.70 0.1
TTH 2.19 89 P 48 21.60 0.7
THZ 2.31 201 Pc 48 22.30 0.3
PAHZ 2.50 74 P 48 23.90 0.0
DSZ 2.71 217 P 48 26.40 0.4
KHZ 2.83 187 Pc 48 27.20 0.0
S 49 03.30
MAHZ 3.05 83 P 48 30.60 1.0
NOZ 3.30 74 P 48 32.80 0.4
LTZ 3.43 202 P 48 34.30 0.4
eS 49 14.50
PUZ 3.67 67 P 48 36.00 -0.6
S 49 18.50
HBZ 3.93 61 P 48 39.20 -0.4
MQZ 4.22 193 P 48 42.10 -0.8
S 49 29.70
EWZ 4.55 210 eP 48 46.90 -0.1
BWZ 5.79 211 eP 49 01.70 -0.4
ODZ 5.97 203 eP 49 05.10 0.7
S.D. = 0.4 on 32 of 32 obs.

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* JUN 18, 1992 04h 09m 14.72± 0.54s
41.050 N ± 7.8km 72.436 E ±10.8km
DEPTH = 33.0km (normal)
4.2mb (6 obs.)
KYRGYZSTAN (716)

MAIO 11.17 249 eP 11 55.00 -0.2
eS 13 51.00
OUE 11.72 204 eP 11 53.50 -9.3X
NDI 12.94 161 eP 12 18.00 -1.0
HYB 24.13 166 eP 14 30.00 1.3
KAF 34.53 323 iP 16 01.70 0.0
NUR 34.92 320 eP 16 05.10 0.1
HFS 40.29 319 eP 16 49.50 -0.5
0.5s 4.00nm 4.4mb
Z 16s 0.08um 3.7MszX
LR 31 34.00
GEC2 41.37 301 P 16 58.50 -0.7
0.6s 2.15nm 4.0mb
NB2 41.52 320 P 17 00.20 0.0
0.5s 1.70nm 4.0mb
GRF 42.78 303 eP 17 11.80 1.2
1.0s 5.00nm 4.2mb
MBC 62.74 3 eP 19 38.50 0.2
1.0s 14.00nm 5.0mb
FBA 69.79 17 P 20 23.20 -0.1
YKA 76.65 3 eP 21 02.90 -0.5
0.9s 2.40nm 4.2mb
S.D. = 0.8 on 12 of 13 obs.

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* JUN 18, 1992 04h 44m 01.50± 0.75s
19.476 N ± 6.9km 121.742 E ±13.9km
DEPTH = 33.0km (normal)
4.2mb (5 obs.)
PHILIPPINE ISLANDS REGION (248)

PIP 1.56 223 iPc 44 29.00 1.7
iS 44 51.00
TWG 3.39 349 ePd 44 52.80 -0.5
TWK 3.95 343 ePc 45 00.70 -0.6
TWD 4.58 358 ePc 45 11.30 1.0
TWC 5.11 1 eP 45 19.10 1.4
TATO 5.48 358 (P) 45 24.00 1.1
BJI 21.05 348 eP 48 43.00 -1.9
Z 24s 0.32um 3.6MszX
CHG 21.55 272 eP 48 50.00 -0.2
1.0s 10.75nm 4.2mb
CHTO 21.55 272 eP 48 49.20 -1.0
1.0s 10.00nm 4.2mb
WB2 41.08 162 eP 51 43.10 -0.8
0.6s 2.20nm 4.1mb
ASPA 44.49 164 eP 52 11.80 0.1
0.4s 4.30nm 4.6mb
YKA 87.09 23 eP 56 44.70 -0.2
0.5s 0.50nm 4.0mb
S.D. = 1.2 on 12 of 12 obs.

JUN 18, 1992 05h 01m 32.07± 0.52s
37.060 N ± 4.1km 5.777 W ± 5.7km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.3 (MDD). Felt at Ubrique.

GIBL 0.27 211 iP 01 38.00 0.2
ALJ 0.41 160 iP 01 42.10 1.6
EPRU 0.45 102 iPgc 01 40.78 -0.4
eSg 01 47.50
EJIF 0.66 158 iPgd 01 43.86 -1.3
eSg 01 51.80
SFS 0.69 210 iP 01 45.80 0.1
CNIL 0.72 198 iP 01 46.30 0.0
EHOR 0.87 29 iPgd 01 49.71 0.9
eSg 02 03.10
EVAL 0.93 304 iPgd 01 49.73 -0.2
eSg 02 03.40
PLAT 0.94 179 iP 01 50.20 0.2
OJEN 0.98 169 iP 01 52.10 1.4
ECOG 1.78 82 ePn 02 03.15 0.0
EGUA 1.79 97 eP 02 04.00 0.8
eS 02 26.00
EBAN 1.93 55 eP 02 05.30 0.1
eS 02 30.10
EPLA 3.01 356 eP 02 21.20 0.5
eS 02 55.80
EVIA 3.03 58 eP 02 20.30 -0.8
TOL 3.13 25 ePn 02 36.00 13.7X
ePg 02 55.00
iSg 03 24.00
IFR 3.57 171 ePn 02 26.00 -2.9
iSn 03 03.50
GUD 3.80 19 eP 02 31.12 -0.9
eS 03 15.60
S.D. = 1.1 on 17 of 18 obs.

JUN 18, 1992 05h 33m 48.18± 0.35s
4.113 S ± 5.2km 135.755 E ± 6.8km
DEPTH = 33.0km (normal)
5.0mb (9 obs.) 4.5Msz (2 obs.)
IRIAN JAYA REGION, INDONESIA (196)

MNDI 8.13 105 eP 35 47.60 0.5
MTN 9.81 207 eP 36 11.00 0.9
0.3s 179.00nm 6.8mb X
eS 37 58.00
PMG 12.48 116 eP 36 46.00 -0.4
KNA 13.45 210 eP 36 58.50 -0.7
QIS 16.77 167 iPd 37 38.20 -4.1X
0.7s 28.00nm 4.5mb
i 37 45.00
iS 40 38.00
ASPA 19.52 185 iPd 38 16.10 0.1
0.6s 255.00nm 5.7mb
eS 41 46.80
WARB 23.62 201 iPc 39 00.00 2.7X
STK 28.16 169 iPc 39 39.10 -0.5
0.7s 5.10nm 4.3mb
WHN 40.08 331 eP 41 23.50 1.2
CHG 42.81 303 eP 41 45.00 0.1
XAN 45.62 328 Pc 42 07.40 0.0
1.4s 34.00nm 5.1mb
TIY 46.92 335 Pc 42 17.80 0.2
Z 20s 0.38um 4.4Msz
BJI 47.48 340 eP 42 20.50 -1.4
1.5s 29.00nm 5.1mb
LZH 49.90 326 eP 42 41.50 0.5
1.5s 57.00nm 5.4mb
HHC 49.92 336 Pd 42 41.00 0.0
1.2s 22.00nm 5.1mb
Z 20s 0.62um 4.6Msz
BTO 50.36 335 eP 42 44.00 -0.3
GTA 54.51 326 iPc 43 15.00 -0.3
1.0s 14.00nm 4.9mb
WMQ 64.32 323 Pc 44 22.60 -0.3
1.0s 9.80nm 4.9mb
IMA 85.97 23 eP 46 26.60 0.3
CNCB 148.66 132 PKP 53 38.00 6.6X
LPB 148.75 132 ePKP 53 37.00 5.6X
ZOBO 148.87 131 PKP 53 35.80 4.0X
CCH 149.61 135 ePKP 53 40.00 7.5X
S.D. = 0.7 on 17 of 23 obs.

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* JUN 18, 1992 06h 36m 34.60± 1.51s
60.391 N ± 7.6km 5.014 E ±12.9km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
ML 1.5 (NAO). MD 1.3 (BER).

ASK 0.13 44 iPc 36 37.72 0.0
iS 36 41.30
BER 0.16 93 eP 36 38.30 0.0
eS 36 41.34
EGD 0.16 139 iPc 36 38.11 -0.2
eS 36 40.73
SUE 0.68 350 eP 36 48.08 0.0
eS 36 57.45
ODD1 0.94 120 eP 36 52.90 0.4
HYA 0.97 36 eP 36 53.00 0.0
eS 37 06.96
NRA0 3.24 81 Pn 37 26.19 -0.3
Sg 38 15.54
S.D. = 0.2 on 7 of 7 obs.

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* JUN 18, 1992 06h 57m 15.30± 0.98s
7.144 S ±17.1km 125.091 E ±17.9km
DEPTH = 507.7 ± 22.1 km
4.9mb (3 obs.)
BANDA SEA (280)

PCI 8.12 320 e(P)d 59 14.30 0.1
e 00 19.50
MTN 8.21 134 iPc 59 14.90 -0.3
0.4s 458.00nm 6.1mb X
KNA 9.28 157 eP 59 26.50 0.1
MBL 14.83 200 iPd 00 23.80 -0.2
0.3s 9.00nm 4.8mb
ASPA 18.48 154 iPc 01 00.10 0.2
0.3s 20.60nm 5.2mb

eS 04 03.00
WARB 18.99 176 eP 01 06.30 1.5
OIS 19.38 135 eP 01 06.00 -2.5X
0.4s 57.00nm 5.6mb X
MEEK 20.34 197 iPc 01 16.70 -0.9
STK 29.03 150 iPc 02 34.30 -0.9
0.5s 7.40nm 4.5mb
TOO 35.51 152 iPc 03 30.40 0.4
S.D. = 0.9 on 9 of 10 obs.

? JUN 18, 1992 07h 29m 17.84±10.95s
39.523 N ±66.2km 27.932 E ±52.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.54 81 ePg 29 28.20 -0.7
eSg 29 37.20
KCT 0.79 24 iPn 29 33.40 0.1
BNT 0.83 359 iPn 29 33.40 -0.5
IZI 1.44 55 ePn 29 45.00 1.0
S.D. = 1.3 on 4 of 4 obs.

& JUN 18, 1992 08h 06m 13.04s
34.052 N 116.329 W
DEPTH = 0.4km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.9 (PAS).

PEC 0.71 257 iPc 06 26.41 -0.8
eS 06 35.58
PLM 0.83 213 ePnc 06 28.77 -0.8
SSK 1.14 278 iPc 06 34.28 -1.2
GLA 1.60 128 eP 06 40.84 -1.9
ISA 2.39 313 eP 06 55.68 1.6
eS 07 29.21
ABL 2.52 289 eP 06 57.70 1.6
BONR 4.21 338 eP 07 27.60 7.5
ARUT 4.40 31 ePn 07 21.63 -1.2
8 obs. associated

JUN 18, 1992 08h 53m 17.25± 0.48s
44.378 N ± 4.4km 11.471 E ± 5.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
MD 2.9 (TRI), 2.7 (FIR), ML 2.9 (LDG).

SFI 0.53 149 P 53 26.90 -1.1
eSg 53 36.00
PGD 0.53 160 P 53 27.40 -0.7
eSg 53 35.70
MME 0.58 252 P 53 29.50 0.3
eSg 53 39.00
FIR 0.62 195 ePg 53 32.00 2.3
iSg 53 38.00
BDI 0.70 244 P 53 31.50 0.3
eSg 53 44.80
CRE 0.83 155 P 53 32.50 -0.8
eSg 53 45.20
PII 0.95 226 P 53 37.00 1.7
eSg 53 50.50
ARV 1.38 129 P 53 43.00 0.5
eSg 54 01.00
SAL 1.40 332 P 53 42.80 0.0
BOB 1.50 286 P 53 46.50 2.3
eSn 54 06.00
ASS 1.57 146 P 53 45.80 0.6
eSg 54 05.00
CTI 1.67 4 P 53 47.40 0.6
eSn 54 08.00
TRI 2.10 50 ePn 53 47.90 -5.0X
iSg 54 17.40
CEY 2.50 56 eP 53 57.00 -1.6
e(Sn) 54 28.30
OGA 2.51 353 ePn 54 01.50 2.6
PGF 2.57 225 Pn 53 59.20 -0.4
Sn 54 29.20
WTTA 2.89 2 iPnc 54 06.60 2.3
iSn 54 39.80
i 54 43.00
SBF 2.95 261 Pn 54 04.20 -0.9
Sn 54 39.60
KBA 3.00 25 iPnc 54 06.00 0.1
iSn 54 39.80
i 54 44.00
LPG 3.53 290 Pn 54 12.90 -0.7
LPL 3.55 290 Pn 54 12.90 -0.9
FRF 3.58 258 Pn 54 13.00 -0.9
Sn 54 55.70
LMR 3.74 256 Pn 54 15.00 -1.2
Sn 54 58.80
LRG 3.81 258 Pn 54 17.40 0.2
Sn 55 01.00
BSF 4.75 318 Pn 54 28.80 -1.8
Sn 55 23.30
CDF 4.97 326 Pn 54 31.90 -1.8
Sn 55 28.30
HAU 5.08 317 Pn 54 34.30 -0.9
Sn 55 32.00
S.D. = 1.4 on 26 of 27 obs.

JUN 18, 1992 09h 35m 51.33± 0.45s
44.355 N ± 3.9km 11.559 E ± 4.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
MD 3.0 (FIR), 2.7 (TRI).

SFI 0.48 154 P 36 01.00 -0.1
eSg 36 10.20
PGD 0.49 166 P 36 01.00 -0.4
eSg 36 09.50
FIR 0.62 201 ePg 36 03.50 -0.2
iSg 36 12.00
MME 0.64 256 P 36 04.00 -0.3
eSg 36 14.00
BDI 0.75 247 P 36 06.00 -0.1
eSg 36 18.50
CRE 0.78 159 P 36 06.10 -0.5
eSg 36 18.50
PII 0.98 230 P 36 10.30 0.4
ARV 1.32 130 P 36 16.00 0.3
eSn 36 34.50
ASS 1.51 148 P 36 19.90 1.4
eSn 36 38.70
BOB 1.56 286 P 36 19.00 -0.3
eSn 36 39.00
CTI 1.69 2 P 36 20.60 -0.6
eSn 36 41.90
TRI 2.07 48 ePg 36 24.90 -1.6
eSg 36 50.70
CEY 2.46 55 eP 36 50.00 17.9X
e(Sn) 38 04.00
OGA 2.54 352 ePn 36 39.90 6.4X
WTTA 2.91 1 iPnc 36 40.30 1.6
iPg 36 48.10
iSn 37 13.20
KBA 3.00 24 iPnc 36 40.20 0.3
iSn 37 12.70
S.D. = 0.9 on 14 of 16 obs.

& JUN 18, 1992 09h 51m 05.29s
36.651 N 121.261 W
DEPTH = 4.0km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 3.1 (GM).

ARN 0.73 343 iPd 51 20.13 0.2
PHAM 1.07 139 ePn 51 23.85 -2.2
PKEM 1.10 122 eP 51 27.37 0.9
BCH 1.75 147 (P) 51 33.45 -3.2
ABL 2.45 137 (P) 51 44.38 -2.5
BONR 2.69 60 eP 51 52.61 2.1
ORV 2.91 356 iPc 51 52.83 -0.4
KVN 3.46 45 (P) 52 12.49 11.2
TNP 3.52 65 ePn 52 08.34 6.2
9 obs. associated

• JUN 18, 1992 09h 58m 39.65± 0.88s
31.203 N ± 9.6km 141.634 E ±31.2km
DEPTH = 33.0km (normal)
4.6mb (4 obs.)
SOUTH OF HONSHU, JAPAN (211)

KAKJ 5.14 347 eP 59 57.00 0.8
eS 00 55.00
CHJJ 5.31 336 P 59 59.70 1.0
eS 01 00.00
MAT 6.04 333 iPd 00 10.00 1.0
0.8s 10.45nm 4.5mb
eS 01 20.00
NIIJ 6.40 341 eP 00 13.30 -0.8
YAMJ 7.08 350 P 00 21.20 -2.4
eS 01 37.70
OFUJ 7.86 0 P 00 30.50 -4.0X
S 01 52.10
WB2 51.33 189 iPc 07 42.60 -0.4
0.3s 2.70nm 4.7mb
WRA 51.33 189 P 07 42.80 -0.2
0.4s 0.90nm 4.1mb
ASPA 55.06 189 eP 08 10.60 0.0
0.5s 3.10nm 4.6mb
PV10 84.50 48 eP 11 12.00 1.1
ZOBO 149.10 68 ePKP 18 20.00 -3.1X
S.D. = 1.3 on 9 of 11 obs.

% JUN 18, 1992 10h 06m 17.82± 1.60s
10.949 N ±10.1km 62.039 W ±19.8km
DEPTH = 90.0km (geophysicist)
NEAR COAST OF VENEZUELA (97)
MD 3.3 (TRN).

TCE 0.38 132 iPd 06 31.70 -0.2
eS 06 41.64
TRN 0.69 116 iPd 06 34.50 0.0
eS 06 46.93
TPP 0.85 137 eP 06 36.27 0.1
TBH 1.06 116 iP 06 38.53 0.0
eS 06 56.92
PIG 1.19 80 eP 06 40.16 0.1
GRW 1.26 17 eP 06 41.05 0.1
eS 07 00.09
BOT 1.31 80 iP 06 41.46 -0.1
S.D. = 0.1 on 7 of 7 obs.

? JUN 18, 1992 10h 32m 28.36± 3.18s
47.182 S ±47.6km 165.561 E ±12.8km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)
OFF W. COAST OF S. ISLAND, N.Z. (161)
ML 4.1 (WEL).

BCZ 1.96 54 P 33 02.20 2.3
eS 33 28.10
MSZ 3.00 34 P 33 16.80 2.1
BWZ 4.02 50 P 33 29.30 0.2
ODZ 4.13 61 P 33 30.50 -0.2
EWZ 5.23 47 eP 33 45.60 -0.7
LTZ 6.48 50 P 34 02.80 -1.1
DSZ 7.03 42 eP 34 10.70 -0.9
THZ 7.54 47 eP 34 17.70 -1.1
ORZ 8.09 41 P 34 25.60 -0.9
eS 35 52.20
TOO 17.62 296 eP 36 32.00 -0.9
ASPA 34.49 302 iPc 39 22.20 6.9X
0.8s 5.00nm 4.5mb
WB2 37.17 306 iPd 39 37.90 -0.1
0.3s 1.60nm 4.4mb
WRA 37.18 306 P 39 39.30 1.2
0.6s 0.50nm 3.6mb
S.D. = 1.4 on 12 of 13 obs.

& JUN 18, 1992 10h 53m 24.85s
33.317 N 116.306 W
DEPTH = 10.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 2.5 (PAS).

PLM 0.47 275 iPc 53 33.84 -0.6
PEC 0.92 309 eP 53 41.54 -0.8
eS 53 53.29
GLA 1.27 102 ePn 53 45.39 -3.0
VPD 1.31 293 eP 53 48.48 -0.6
SSK 1.46 308 (Pn) 53 48.10 -3.3
ePg 53 51.21
eS 54 08.73
PEM 1.55 303 eP 53 52.93 0.4
MWC 1.72 302 eP 53 55.54 0.5
eS 54 17.16
CIS 1.76 273 eP 53 55.25 -0.3
GFP 1.86 296 eP 53 57.51 0.6
9 obs. associated

JUN 18, 1992 10h 55m 42.44± 0.58s
39.711 N ± 5.4km 20.448 E ± 5.0km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
MD 3.3 (ATH). ML 3.2 (TIR).

SRN 0.38 296 iPgc 55 49.40 -0.9
iSg 55 56.40
LSK 0.45 15 iPgc 55 50.20 -1.5

iSg 55 58.00
KEK 0.50 270 ePg 55 52.00 -0.6
TPE 0.67 330 iPgc 55 56.70 0.9
iSg 56 08.20
KZN 1.18 59 ePb 56 04.00 -0.5
OHR 1.42 11 ePn 56 07.80 -0.6
0.6s 210.00nm
eSn 56 32.20
Lg 56 39.70
VLS 1.54 176 ePb 56 10.50 0.6
TIR 1.69 345 ePn 56 13.50 1.3
iSn 56 40.20
PHP 1.98 360 ePn 56 17.20 1.0
iSn 56 50.20
LACI 2.00 344 ePn 56 17.20 0.5
iSn 56 54.00
LCI 2.01 289 P 56 18.00 1.2
VAY 2.28 44 iPn 56 21.30 0.6
KKS 2.36 359 ePn 56 27.50 5.7X
SKO 2.38 18 ePn 56 20.80 -1.3
0.8s 49.00nm
iPg 56 25.60
iSn 56 48.20
iSg 56 53.00
Lg 57 10.10
SDA 2.41 343 ePn 56 29.10 6.6X
BRT 2.74 296 P 56 31.50 4.2X
eSn 57 11.50
VLI 3.57 146 ePn 56 39.50 0.5
MGR 3.79 278 P 56 42.60 0.5
SOI 3.80 246 P 56 40.00 -2.2
eSn 57 24.80
SGO 4.03 284 P 56 46.00 0.5
S.D. = 1.1 on 17 of 20 obs.

? JUN 18, 1992 10h 59m 51.66± 1.21s
29.364 N ±15.7km 139.140 E ±18.6km
DEPTH = 451.1 ± 23.9 km
4.3mb (5 obs.)
SOUTH OF HONSHU, JAPAN (211)

IIDJ 6.19 351 P 01 30.10 1.2
CHJJ 6.67 359 P 01 33.70 -0.2
eS 02 52.60
KAKJ 6.88 7 eP 01 35.30 -0.8
eS 02 55.10
MAT 7.20 354 eP 01 39.00 -0.7
0.7s 28.77nm 4.6mb
eS 03 01.00
MTMJ 7.29 352 P 01 40.70 0.0
NIIJ 7.86 359 P 01 45.80 -0.9
eS 03 15.10
YAMJ 8.82 5 P 01 57.70 0.3
eS 03 35.50
OFUJ 9.91 12 P 02 09.70 0.2
S 03 59.60
AOMJ 11.22 5 eP 02 25.00 1.3
CHG 38.00 263 eP 06 33.00 2.2
0.8s 7.46nm 4.2mb
GUN 46.43 282 P 07 38.00 -0.3
PKI 46.92 282 P 07 40.20 -1.9
KKN 46.97 282 P 07 42.20 -0.1
DMN 47.17 282 P 07 43.20 -0.7
GKN 47.46 282 P 07 46.60 0.6
WB2 49.24 186 iPc 07 59.10 -0.1
0.3s 13.20nm 4.8mb
e 09 15.30
WRA 49.24 186 P 07 59.50 0.3
0.5s 2.50nm 3.9mb
ASPA 52.96 186 eP 08 26.10 -0.4
0.5s 7.70nm 4.3mb
S.D. = 1.0 on 18 of 18 obs.

% JUN 18, 1992 12h 14m 18.01± 0.49s
42.780 N ± 4.4km 19.207 E ± 3.8km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.5 (TTG).

NKY 0.16 282 iPgd 14 22.13 0.4
iSg 14 25.32
TTG 0.35 174 iPgd 14 25.49 0.2
iSg 14 30.99
BRY 0.50 284 iPgd 14 27.99 -0.2
iSg 14 35.55
IVA 0.52 79 iPgd 14 28.57 0.1
iSg 14 36.45
PLE 0.57 14 iPgc 14 29.64 0.1
iSg 14 38.04
BDV 0.57 210 iPgc 14 29.52 -0.1
iSg 14 37.83
PVY 0.59 108 iPgc 14 29.85 -0.3
iSg 14 38.85
HCY 0.62 238 iPgc 14 30.19 -0.3
iSg 14 39.50
ULC 0.82 178 ePg 14 33.93 0.1
iSg 14 46.10
S.D. = 0.3 on 9 of 9 obs.

& JUN 18, 1992 13h 50m 47.38s
37.585 N 118.809 W
DEPTH = 10.2km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 3.0 (GM). ML 2.7
(GS).

BONR 0.55 47 ePc 50 57.94 -0.6
eS 51 03.24
TNP 1.35 68 iPc 51 12.65 0.2
KVN 1.57 21 eP 51 16.82 1.4
eS 51 37.22
PKEM 1.84 215 (P) 51 22.58 3.3
eS 51 44.83
PHAM 2.16 217 (P) 51 27.24 3.3
ARN 2.18 265 eP 51 25.18 1.0
eS 51 52.73
BCH 2.61 204 eP 51 31.04 0.7
eS 52 01.36
ABL 2.75 187 eP 51 35.54 3.0
eS 52 08.88
ORV 2.88 314 eP 51 39.04 4.8
eS 52 16.10
ARUT 4.26 86 (P) 52 07.95 14.0
10 obs. associated

? JUN 18, 1992 15h 08m 19.05± 1.16s
5.666 S ±17.0km 141.829 E ±14.3km
DEPTH = 33.0km (normal)
3.8mb (2 obs.)
NEW GUINEA, PAPUA NEW GUINEA (202)

MNDI 1.88 105 eP 08 49.80 0.1
eS 09 15.40
WWKK 2.71 41 eP 09 01.00 -0.2
eS 09 39.00
MTN 12.74 235 eP 11 21.00 0.3
OIS 14.96 188 eP 11 55.00 5.1X
eS 14 25.00
WB2 15.95 206 iPd 12 01.10 -1.6
0.3s 2.30nm 3.8mb
i 12 09.10
eS 14 56.00
ASPA 19.46 202 iPc 12 47.50 1.4
0.8s 5.00nm 3.8mb
eS 16 15.70
WARB 25.04 214 eP 13 44.50 2.7X
S.D. = 1.5 on 5 of 7 obs.

& JUN 18, 1992 16h 01m 14.12s
34.010 N 116.341 W
DEPTH = 1.5km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.6 (PAS).

PEC 0.69 260 eP 01 27.09 -0.8
PLM 0.79 214 eP 01 28.98 -0.8
eS 01 38.76
SSK 1.14 280 eP 01 34.87 -1.5
eS 01 50.65
GLA 1.58 127 ePn 01 40.71 -2.7
ePg 01 43.60
eS 02 05.26
ABL 2.52 290 (P) 01 59.70 2.6
5 obs. associated

% JUN 18, 1992 17h 12m 50.46± 3.18s
40.716 N ±17.0km 30.289 E ±21.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

GPA 0.43 178 ePg 12 59.10 -0.1
eSg 13 05.70
HRT 0.48 283 iPg 13 00.20 -0.1
YLV 0.71 258 ePg 13 04.20 -0.4
eSg 13 15.70
IZI 0.73 239 iPg 13 05.20 0.4
eSg 13 17.20
CTT 1.47 288 ePn 13 17.20 0.2
S.D. = 0.4 on 5 of 5 obs.

% JUN 18, 1992 17h 18m 48.57± 1.70s
43.763 N ±16.6km 12.566 E ±11.1km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ARV 0.38 134 P 18 56.00 -0.4
eSg 19 03.00
CRE 0.47 253 P 18 57.50 -0.6
eSg 19 05.00
SFI 0.54 287 P 19 00.00 0.5
eSg 19 07.00
PGD 0.62 281 P 19 01.00 -0.2
eSg 19 11.00
ASS 0.70 174 P 19 03.00 0.6
eSg 19 11.00
S.D. = 0.8 on 5 of 5 obs.

% JUN 18, 1992 17h 33m 16.55± 0.69s
44.381 N ± 5.8km 11.579 E ± 5.2km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

SFI 0.50 157 P 33 26.80 0.1
eSg 33 34.70
PGD 0.52 169 P 33 27.00 -0.1
eSg 33 34.80
MME 0.66 254 P 33 29.30 -0.5
eSg 33 39.50
BDI 0.77 246 P 33 31.60 -0.1
eSg 33 43.40
CRE 0.80 160 P 33 32.30 0.1
eSn 33 44.40
PII 1.01 229 P 33 36.30 0.7
eSn 33 51.60
ARV 1.32 131 P 33 41.00 0.0
eSn 33 58.80
ASS 1.53 149 P 33 43.50 -0.4
CTI 1.67 2 P 33 46.20 0.2
eSn 34 07.90
S.D. = 0.4 on 9 of 9 obs.

• JUN 18, 1992 19h 44m 14.06± 2.02s
31.675 S ±22.3km 70.393 W ±22.5km
DEPTH = 120.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 4.0 (SAN).

RTBS 0.80 89 iPc 44 35.30 0.8
JACH 1.02 190 iPd 44 37.40 0.7
iS 44 53.40
RTCB 1.37 83 iPc 44 40.00 -0.5
ROCH 1.39 202 iPd 44 41.10 0.2
iS 45 00.40
ZON 1.47 85 iPc 44 41.70 0.1
eS 44 58.70
PEL 1.49 190 iPd 44 41.80 0.1
iS 45 01.30
FCH 1.65 177 iPd 44 44.40 0.4
iS 45 06.50
RTLL 1.68 79 iPd 44 43.50 -0.6
S 45 03.30
SAN 1.79 187 iPd 44 45.40 0.0
PCH 1.94 183 iPd 44 47.50 0.1
iS 45 11.90
TACH 2.03 193 iPd 44 47.90 -0.4
iS 45 13.30
CHCH 2.26 185 iPd 44 51.10 -0.3
iS 45 18.20
LNV 2.43 200 iPd 44 52.70 -0.8
iS 45 21.10
CACH 2.44 184 iPd 44 53.70 -0.1
iS 45 22.70
S.D. = 0.5 on 14 of 14 obs.

% JUN 18, 1992 20h 57m 22.53± 0.70s
44.369 N ± 6.4km 7.316 E ± 8.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.6 (GEN).

STV 0.13 177 P 57 25.93 0.2

18d 20h

S 57 28.15
ENR 0.16 152 P 57 26.44 0.1
S 57 29.09
PZZ 0.20 312 P 57 27.13 0.0
S 57 30.69
ROB 0.41 100 P 57 31.18 0.3
S 57 37.06
BHB 0.47 355 P 57 32.08 -0.1
IMI 0.62 138 P 57 34.37 -0.6
S.D. = 0.5 on 6 of 6 obs.

% JUN 18, 1992 21h 21m 02.43± 0.73s
43.859 N ± 8.3km 10.896 E ± 5.1km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

BDI 0.30 313 Pc 21 08.60 -0.1
eSg 21 13.40
PII 0.30 243 Pc 21 08.60 -0.1
eSg 21 12.60
MME 0.36 337 P 21 10.20 0.2
eSg 21 15.70
PGD 0.60 88 P 21 14.00 -0.6
eSg 21 24.00
SFI 0.69 85 P 21 15.90 -0.2
eSg 21 26.70
CRE 0.80 106 P 21 18.80 0.8
eSg 21 29.80
S.D. = 0.6 on 6 of 6 obs.

JUN 18, 1992 21h 41m 47.80± 0.58s
36.494 N ± 7.0km 141.359 E ± 6.8km
DEPTH = 39.6km (4 depth phases)
4.8mb (16 obs.) 4.2Msz (1 obs.)
NEAR EAST COAST OF HONSHU, JAPAN(228)

KAKJ 1.00 254 iPd 42 05.50 0.0
S 42 15.00
CHJJ 1.96 258 P 42 19.20 -0.1
S 42 40.50
YAMJ 1.98 328 P 42 19.90 0.4
eS 42 41.40
NIIJ 2.03 292 P 42 20.50 0.2
MAT 2.54 272 iPd 42 27.40 -0.1
iS 42 55.00
OFUJ 2.59 5 eP 42 28.50 0.2
eS 42 58.40
MTMJ 2.86 273 P 42 33.20 1.0
IIDJ 2.97 251 P 42 35.60 1.9
S 43 08.70
AOMJ 4.13 350 eP 42 52.30 2.2
TSRJ 4.46 259 P 42 55.70 0.9
WKYJ 5.23 246 P 43 05.90 0.3
MRRJ 5.93 358 eP 43 12.00 -3.4X
eS 44 23.40
HOOJ 6.07 14 eP 43 18.40 1.0
eS 44 23.30
TKSJ 6.49 249 P 43 23.10 -0.2
YONJ 6.54 261 P 43 25.00 0.9
KUSJ 7.08 20 P 43 29.00 -2.6
eS 44 44.20
ASAJ 7.68 7 eP 43 37.10 -2.8X
SHNJ 8.71 257 eP 43 57.50 3.3X
KUMJ 9.54 249 P 44 06.90 1.2
KAGJ 10.19 242 P 44 16.20 1.6
MDJ 12.07 316 eP 44 42.10 2.1
CN2 14.18 306 eP 45 14.40 6.5X
0.8s 6.10nm 4.3mb
Z 17s 0.35um 4.0Msz
epP 45 21.50
SNY 14.78 297 eP 45 14.70 -1.1
DL2 15.80 285 eP 45 29.20 0.2
TIA 19.52 276 eP 46 11.10 -3.6X
BJI 20.07 288 eP 46 17.00 -3.5X
TIY 23.07 282 eP 46 48.40 -2.3
Z 18s 0.73um 4.2Msz
E 16s 0.52um
WHN 23.25 263 eP 46 50.50 -1.9
XAN 26.53 274 P 47 22.70 -1.0
GTA 32.68 288 P 48 16.50 -2.1
0.5s 9.00nm 4.9mb
WMQ 41.05 297 iPd 49 29.50 0.5
1.0s 35.00nm 5.0mb
CHG 41.12 256 eP 49 30.00 0.3
GUN 47.17 276 P 50 17.40 -1.4
0.8s 30.00nm 5.3mb
PKI 47.69 276 P 50 21.00 -1.9
0.9s 25.00nm 5.2mb
KKN 47.70 276 P 50 21.20 -1.6
0.9s 39.00nm 5.4mb
DMN 47.92 276 P 50 23.00 -1.6
GKN 48.12 277 P 50 24.40 -1.7
0.9s 44.00nm 5.5mb
KSH 50.60 294 P 50 45.90 1.0
WB2 56.52 188 iPd 51 28.30 -0.2
0.5s 9.10nm 5.1mb
i 51 33.40 17kmX
WRA 56.52 188 P 51 29.20 0.7
0.6s 3.60nm 4.6mb
MBC 57.06 16 eP 51 32.00 0.3
KAF 68.77 333 iP 52 48.40 -1.0
0.4s 5.40nm 4.9mb
NUR 70.41 332 iP 52 58.60 -0.8
0.5s 3.90nm 4.7mb
HFS 74.56 336 eP 53 23.50 -0.5
0.3s 1.00nm 4.3mb
LRM 74.56 44 eP 53 26.40 1.8
e 53 38.40 40km
NB2 74.67 337 P 53 24.20 -0.5
0.8s 5.40nm 4.6mb
KSP 80.54 328 eP 53 57.70 0.5
PV10 81.16 49 ePd 54 01.90 0.9
CLL 81.54 330 iPd 54 02.60 0.2
1.0s 8.00nm 4.7mb
PRU 81.92 329 eP 54 05.20 0.8
e 54 18.00 43km
KHC 82.98 328 eP 54 10.50 0.5
e 54 21.00 33km
GEC2 83.15 328 P 54 10.30 -0.6
0.5s 0.77nm 4.0mb
GRF 83.52 330 eP 54 13.60 0.9
0.8s 4.00nm 4.6mb
e 54 26.20 42km
VAY 84.42 318 eP 54 17.70 0.3
OHR 85.51 319 eP 54 23.00 0.1
ZOBO 147.00 60 PKP 01 30.20 3.3X
LPB 147.19 61 ePKP 01 35.00 8.0X
CNCB 147.46 61 PKP 01 32.50 4.9X
S.D. = 1.2 on 49 of 58 obs.

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* JUN 18, 1992 21h 49m 04.40± 1.37s
16.120 S ±14.8km 178.180 E ± 8.3km
DEPTH = 33.0km (normal)
FIJI ISLANDS (182)
ML 4.1 (SVA).

YSA 0.81 225 iPc 49 18.30 -1.1
eS 50 30.70
MBU 0.99 149 iPc 49 21.80 -0.3
eS 49 36.60
NDE 1.19 113 iPc 49 24.40 -0.4
eS 49 41.90
KRO 1.66 136 eP 49 32.80 1.2
eS 50 03.60
UDU 1.76 91 eP 49 31.60 -1.5
TVI 1.89 115 eP 49 36.20 1.2
eS 50 03.60
VUN 1.90 172 iPc 49 35.10 0.1
iS 49 59.30
SVA 2.00 172 ePd 49 36.20 -0.3
eS 50 02.30
WRA 41.77 258 P 56 53.80 1.2
0.8s 0.70nm 3.4mb
S.D. = 1.2 on 9 of 9 obs.

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* JUN 18, 1992 22h 47m 19.94± 1.44s
0.459 N ±10.1km 125.427 E ±13.6km
DEPTH = 122.5 ± 15.9 km
4.6mb (4 obs.)
NORTHERN MOLUCCA SEA (266)

PCI 5.75 256 ePd 48 44.90 0.6
e 53 16.70
CGP 7.98 355 eP 49 15.00 0.4
MTN 14.38 157 eP 50 36.70 -2.3
WB2 22.08 157 iPc 52 06.20 0.2
0.5s 13.60nm 4.6mb
LAT 22.66 109 eP 52 31.80 20.2X
OIS 25.08 147 eP 52 36.00 1.3
0.4s 6.00nm 4.4mb
ASPA 25.35 162 iPc 52 38.60 1.3
0.4s 10.90nm 4.7mb
CHTO 31.75 307 P 53 34.80 0.2
GUN 46.68 309 P 55 38.40 -0.3
0.6s 17.00nm 5.0mb
PKI 46.88 309 P 55 39.40 -0.9
KKN 47.09 309 P 55 41.00 -0.8
DMN 47.14 308 P 55 42.60 0.4
GKN 47.69 309 P 55 46.20 -0.2
S.D. = 1.2 on 12 of 13 obs.

& JUN 18, 1992 22h 55m 07.55s
60.557 N 147.666 W
DEPTH = 1.9km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.8 (AEIC).

HIN 0.60 105 eP 55 19.95 0.4
PTE 0.74 295 eP 55 21.83 -0.4
VLZ 0.87 48 eP 55 23.62 -1.3
eS 55 38.38
KNK 0.94 336 eP 55 25.02 -1.3
eS 55 38.40
CVA 0.95 90 iP 55 25.24 -1.1
eS 55 40.34
SEW 1.00 244 eP 55 26.07 -1.1
eS 55 40.42
PMS 1.15 308 P 55 28.70 -1.2
S 55 44.70
SLKM 1.26 269 iP 55 30.51 -1.3
eS 55 47.45
KLU 1.27 41 eP 55 30.28 -1.6
SCM 1.29 7 eP 55 31.45 -0.8
SML 1.30 346 eP 55 31.18 -1.2
eS 55 48.90
MID 1.31 149 P 55 32.20 -0.4
GHO 1.36 334 eP 55 32.01 -1.5
eS 55 50.99
PWA 1.54 317 P 55 34.50 -1.5
TOA 1.71 24 P 55 39.00 0.4
KAIM 1.74 110 eP 55 36.94 -2.0
SUA 1.75 303 eP 55 37.47 -1.8
TZL 1.84 35 eP 55 40.11 -0.4
NNL 1.88 256 eP 55 39.58 -1.4
GLB 2.08 63 eP 55 42.23 -1.7
eS 56 07.80
SDG 2.22 26 eP 55 44.55 -1.5
CUT 2.24 327 eP 55 44.52 -1.6
SPU 2.24 288 eP 55 43.73 -2.5
CGLM 2.25 291 eP 55 44.67 -1.8
CKN 2.31 289 eP 55 46.09 -1.2
BKG 2.31 285 eP 55 45.71 -1.6
XLV 2.32 243 P 55 47.20 -0.2
CPKM 2.34 290 eP 55 47.26 -0.6
NCG 2.35 293 eP 55 45.88 -2.0
SKT 2.35 309 eP 55 45.19 -2.7
CKL 2.37 288 eP 55 46.16 -2.1
TGL 2.39 83 eP 55 46.58 -1.9
BGL 2.41 289 eP 55 46.17 -2.7
REF 2.49 271 eP 55 47.55 -2.4
RSO 2.52 270 eP 55 47.42 -3.0
RS2 2.52 270 eP 55 50.11 -0.3
RS1 2.52 270 eP 55 49.35 -1.1
RED 2.53 269 eP 55 49.56 -0.9
HUR 2.60 340 eP 55 51.56 0.2
PAX 2.64 22 eP 55 51.48 -0.5
INE 2.73 262 eP 55 52.77 -0.6
YAH 2.94 91 P 55 55.00 -1.4
TRF 3.16 338 eP 55 58.92 -0.5
KTH 3.37 334 eP 56 01.56 -0.9
HDA 3.88 5 P 56 10.60 1.1
45 obs. associated

? JUN 18, 1992 22h 56m 47.56± 9.19s
39.072 N ±67.1km 29.182 E ±21.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.68 321 iPg 57 00.20 -1.0
eSg 57 07.70
IZI 1.28 10 ePn 57 11.10 -0.3
KCT 1.34 332 ePn 57 13.20 1.0
YLV 1.50 6 ePn 57 14.60 0.0
BNT 1.61 323 ePn 57 16.20 0.1
S.D. = 1.0 on 5 of 5 obs.

& JUN 18, 1992 23h 05m 25.31s
61.791 N 150.479 W
DEPTH = 40.4km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.6 (AEIC).

PWA 0.32 116 P 05 33.90 0.1
S 05 41.70
SUA 0.35 201 iP 05 34.48 0.1
eS 05 42.19
SKT 0.53 291 iP 05 35.77 -0.8
eS 05 44.77
CUT 0.62 9 iP 05 37.06 -0.7
eS 05 46.89
PMR 0.67 107 eP 05 36.97 -1.4
eS 05 49.16
PMS 0.70 141 P 05 37.70 -1.2
S 05 49.40
GHO 0.74 91 iP 05 38.78 -0.7
CGLM 0.88 237 eP 05 40.45 -1.0
NCG 0.89 245 eP 05 39.99 -1.6
eS 05 52.89
SPU 0.97 232 eP 05 41.75 -1.0
eS 05 55.01
CKN 1.00 236 eP 05 42.52 -0.5
SML 1.02 88 iP 05 42.31 -1.1
KNK 1.04 111 iP 05 42.91 -0.7
eS 05 57.89
BGL 1.06 241 eP 05 43.30 -0.7
CKL 1.07 237 eP 05 43.20 -1.0
eS 05 58.26
BKG 1.12 231 eP 05 44.07 -0.8
eS 05 59.05
PTE 1.16 142 eP 05 44.32 -1.0
HUR 1.25 18 eP 05 46.25 -0.4
SLKM 1.29 174 eP 05 45.66 -1.6
S 06 03.20
SCM 1.50 87 eP 05 49.16 -1.0
eS 06 09.26
TRF 1.67 3 eP 05 51.97 -0.7
RSO 1.73 221 eP 05 52.80 -0.8
RS2 1.73 221 eP 05 53.03 -0.6
RS1 1.73 221 eP 05 52.81 -0.8
SEW 1.77 163 eP 05 54.37 0.5
RED 1.77 220 eP 05 52.69 -1.4
S 06 15.52
KTH 1.78 354 eP 05 53.51 -0.7
RND 1.79 24 eP 05 53.40 -0.9
TOA 2.06 79 P 05 57.90 -0.4
VLZ 2.10 107 eP 05 56.52 -2.2
INE 2.15 217 P 05 59.00 -0.6
INW 2.16 218 P 06 02.00 2.2
KLU 2.20 96 eP 05 58.26 -2.0
HOM 2.22 195 eP 05 57.49 -2.9
SDG 2.43 70 eP 06 03.43 -0.1
CVA 2.61 116 P 06 07.90 1.9
PAX 2.62 61 P 06 05.50 -0.7
WRH 2.90 21 eP 06 08.68 -1.4
MLY 3.26 358 eP 06 13.22 -2.0
IMA 4.52 343 eP 06 30.42 -2.8
40 obs. associated

% JUN 19, 1992 01h 42m 23.84± 2.65s
44.241 N ±27.6km 11.246 E ± 7.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.40 263 P 42 32.10 0.1
eSg 42 38.60
BDI 0.50 249 P 42 33.90 -0.1
eSg 42 40.00
PGD 0.50 137 P 42 33.90 -0.1
eSg 42 40.00
SFI 0.54 126 P 42 34.50 -0.3
eSg 42 43.00
PII 0.74 225 P 42 38.20 -0.1
eSg 42 46.50
CRE 0.80 140 P 42 39.90 0.5
eSg 42 50.80
S.D. = 0.4 on 6 of 6 obs.

% JUN 19, 1992 01h 43m 03.52± 1.27s
44.128 N ±17.6km 11.203 E ± 5.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.37 280 P 43 11.10 -0.1
eSg 43 17.80
BDI 0.44 262 P 43 12.80 0.3
eSg 43 19.60
PGD 0.45 124 P 43 12.80 0.0
eSg 43 19.30
SFI 0.51 114 P 43 13.60 -0.3
eSg 43 22.20
PII 0.64 231 P 43 16.00 -0.3
eSg 43 25.70
CRE 0.74 132 P 43 18.40 0.4
eSg 43 27.90
S.D. = 0.3 on 6 of 6 obs.

% JUN 19, 1992 01h 51m 07.96± 1.25s
44.021 N ±21.4km 11.181 E ± 5.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

PGD 0.42 110 P 51 16.60 0.1
eSg 51 22.60
BDI 0.42 276 P 51 16.80 0.2
eSg 51 22.80
SFI 0.49 101 P 51 17.50 -0.5
eSg 51 25.90
PII 0.56 238 P 51 19.00 -0.3
eSg 51 28.00
CRE 0.68 125 P 51 22.00 0.4
eSg 51 31.10
S.D. = 0.5 on 5 of 5 obs.

JUN 19, 1992 02h 14m 37.67± 0.54s
39.870 N ± 7.6km 23.953 E ± 5.0km
DEPTH = 33.0km (normal)
AEGEAN SEA (365)
MD 3.6 (ATH). ML 3.1 (TIR).

KZN 1.73 285 ePn 15 06.00 0.0
EZN 1.83 91 ePn 15 08.50 1.2
PRK 1.90 108 ePn 15 11.00 2.7X
ATH 1.90 186 ePn 15 08.00 -0.4
LSK 2.59 277 ePn 15 18.70 0.4
iSn 15 51.50
EDC 3.04 80 ePn 15 31.00 6.5X
TPE 3.05 279 ePn 15 28.00 3.2X
BNT 3.08 80 ePn 15 25.00 -0.1
VLS 3.12 238 ePn 15 27.20 1.5
VLI 3.25 195 ePn 15 26.50 -1.0
KCT 3.40 82 ePn 15 28.00 -1.7
TIR 3.44 297 ePn 15 31.50 1.2
VLO 3.47 281 ePn 15 29.40 -1.2
DST 3.61 93 ePn 15 34.00 1.2
CTT 3.64 68 ePn 15 28.10 -5.0X
LACI 3.67 300 ePn 15 35.60 2.1X
SDA 4.00 304 ePn 15 41.20 3.1X
MLR 5.81 14 ePc 16 02.00 -1.9
BZS 6.00 344 ePc 16 01.50 -4.9X
VRI 6.33 18 ePc 16 12.50 1.4
SGO 6.65 279 P 16 14.30 -1.3
SDI 7.91 287 P 16 33.80 0.5
S.D. = 1.3 on 15 of 22 obs.

% JUN 19, 1992 02h 33m 34.23± 1.02s
47.165 N ±16.9km 11.838 E ±12.0km
DEPTH = 10.0km (geophysicist)
AUSTRIA (546)
ML 1.4 (VIE).

WTTA 0.17 306 iPgd 33 38.30 0.1
iSg 33 40.80
WATA 0.25 314 iPgd 33 39.60 0.0
iSg 33 43.10
SQTA 0.43 278 iPgc 33 43.30 0.2
iSg 33 49.40
MOTA 0.53 290 iPgd 33 44.70 -0.3
iSg 33 52.70
FVI 0.86 131 P 33 50.80 0.0
eSg 36 03.00
S.D. = 0.3 on 5 of 5 obs.

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* JUN 19, 1992 02h 55m 50.92± 0.40s
19.306 S ±10.4km 172.781 W ±11.0km
DEPTH = 37.8km (8 depth phases)
5.0mb (17 obs.) 5.1Msz (1 obs.)
TONGA ISLANDS REGION (174)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 14C
Centroid Location:
Origin Time 02:56: 0.1 1.3
Lat 19.32S FIX;Lon 172.80W FIX
Dep 15.0 FIX Half-duration 1.1
Moment Tensor; Scale 10**16 Nm
Mrr=-1.75 0.59 Mtt= 1.19 0.75
Mff= 0.56 1.04 Mrt= 0.72 0.87
Mrf= 3.38 0.80 Mtf= 1.95 0.67
Principal Axes:
T Val= 4.29 Plg=27 Azm=308
N -0.05 24 204
P -4.23 52 79
Best Double Couple:Mo=4.3*10**16
NP1:Strike= 81 Dip=28 Slip= -30
NP2: 198 77 -115
AFI 5.45 10 eP 57 06.00 -6.0X
DZM 19.63 258 iPc 00 19.50 0.0
WCZ 20.08 212 P 00 24.60 0.6
MNG 23.51 203 eP 00 59.90 1.6
ORZ 24.86 207 eP 01 13.00 1.6
ARMA 34.00 244 iPc 02 33.30 -0.3
1.0s 34.00nm 5.2mb
i 02 42.50 31km
RMO 36.05 251 eP 02 50.00 -0.9
CNB 36.97 237 iPd 02 59.00 0.4
0.8s 36.00nm 5.3mb
i 03 10.00 39km
CAN 37.26 237 eP 02 59.80 -1.2
epP 03 11.10 40km
BWA 37.50 238 eP 03 00.50 -2.6
epP 03 12.40 43km
CMS 39.09 244 iPc 03 16.00 -0.4
TOO 40.57 234 iPc 03 29.00 0.4
STK 42.72 244 iPc 03 46.20 -0.1
1.1s 4.10nm 4.1mb
ASPA 49.57 255 iPd 04 39.40 -1.2
1.1s 32.20nm 5.3mb
eS 11 44.70
WB2 49.62 260 iPd 04 39.50 -1.5
0.9s 16.60nm 5.1mb
i 04 50.80 40km
WRA 49.63 260 P 04 40.20 -0.9
0.9s 6.80nm 4.7mb
WARB 55.87 251 iPd 05 26.10 -1.4
SPA 70.81 180 iPd 07 05.30 -0.3
1.2s 28.87nm 5.2mb
MAT 72.30 320 (P) 07 15.00 0.3
0.6s 6.67nm 4.8mb
BONR 76.56 41 eP 07 39.14 -0.4
TNP 77.31 42 eP 07 42.09 -1.6
1.4s 15.59nm 4.8mb
epP 07 54.00 40km
ARUT 79.57 44 (P) 07 56.25 0.3
RMW 80.67 32 eP 08 00.69 -0.8
SVW 81.32 8 eP 08 15.40 10.9X
MDJ 82.46 323 eP 08 13.00 2.2
PMR 82.81 11 eP 08 12.50 0.3
ALQ 82.86 49 eP 08 16.29 2.9X
1.2s 5.86nm 4.5mb
PNT 82.99 32 eP 08 13.00 -0.4
TTA 83.02 8 iPd 08 13.19 -0.2
1.3s 25.57nm 5.1mb
epP 08 24.30 36km
TOA 83.85 12 eP 08 17.20 -0.4
MAW 84.30 199 eP 08 21.00 1.2
1.0s 18.00nm 5.2mb
CN2 84.44 320 eP 08 22.60 1.7
1.2s 8.70nm 4.8mb
LRM 84.72 38 eP 08 21.10 -1.5
BW06 84.79 41 eP 08 23.00 0.0
2.0s 7.28nm 4.5mb
FBA 86.11 10 eP 08 28.70 0.0
1.1s 46.60nm 5.6mb
TIA 86.17 310 eP 08 31.90 2.2
IMA 86.33 8 eP 08 29.68 -0.3
1.5s 22.81nm 5.2mb
pP 08 40.46 34km
SES 88.07 34 eP 08 38.00 -0.6
BJI 88.57 313 eP 08 43.00 1.9
1.5s 46.00nm 5.6mb
SNG 89.15 278 eP 08 48.00 3.5X
TIY 90.21 310 eP 08 51.00 2.0
Z 20s 0.75um 5.1Msz
NAI 144.48 238 ePKPc 15 27.00 0.8
OJC 147.57 345 ePKPd 15 33.00 3.1X
CLL 147.74 353 iPKPc 15 33.70 3.6X
1.7s 61.00nm
BRG 148.05 352 iPKP 15 35.30 4.7X
1.1s 19.00nm
SPC 148.40 344 ePKP 15 32.10 0.6
MOX 148.53 355 e(PKP)15 35.00 3.5X
1.9s 25.00nm

19d 03h

PRU 148.83 351 PKP 15 36.20 4.3X
e 15 47.50
GRF 149.51 355 iPKPd 15 38.40 5.4X
MLR 149.63 333 ePKP 15 38.00 4.5X
KHC 149.81 352 PKP 15 39.00 5.5X
1.3s 15.70nm
e 15 55.00
FLN 149.96 10 ePKP 15 38.10 4.5X
1.3s 54.15nm
GEC2 150.07 351 PKP 15 32.10 -1.9
1.1s 7.70nm
ZST 150.09 347 ePKP 15 38.30 4.5X
SRO 150.16 345 ePKP 15 39.50 5.5X
LDF 150.19 10 ePKP 15 38.60 4.6X
1.1s 23.95nm
GRR 150.26 11 ePKP 15 38.90 4.8X
1.1s 30.05nm
LPF 150.57 11 ePKP 15 39.80 5.2X
1.2s 41.95nm
CDF 150.97 360 ePKP 15 40.90 5.6X
1.3s 26.35nm
HAU 151.36 1 ePKP 15 41.90 6.1X
1.1s 21.75nm
BSF 151.54 1 ePKP 15 42.10 5.9X
1.1s 13.45nm
WTTA 151.88 354 iPKPd 15 43.50 6.6X
0.9s 19.00nm
LOR 151.97 5 ePKP 15 43.20 6.4X
1.0s 14.00nm
MFF 152.11 11 ePKP 15 42.20 5.3X
1.1s 16.10nm
SSF 152.15 5 ePKP 15 43.70 6.7X
1.1s 29.05nm
LBF 152.27 5 ePKP 15 43.80 6.6X
0.9s 10.80nm
AVF 152.40 6 ePKP 15 43.90 6.6X
1.1s 12.70nm
PTJ 152.51 347 iPKP 15 45.40 7.8X
BGF 152.58 7 ePKP 15 44.40 6.8X
0.8s 6.70nm
ZAG 152.59 347 ePKP 15 42.00 4.4X
SMF 152.59 5 ePKP 15 44.40 6.8X
1.1s 10.75nm
LSF 152.72 9 ePKP 15 44.40 6.6X
1.3s 22.00nm
TCF 152.78 8 ePKP 15 44.70 6.8X
1.0s 10.00nm
MAF 152.88 7 ePKP 15 45.30 7.2X
1.1s 9.50nm
BCAO 161.55 218 ePKPc 15 50.30 0.8
0.7s 8.00nm
i 16 35.60
S.D. = 1.2 on 41 of 75 obs.

% JUN 19, 1992 03h 18m 10.22± 2.81s
44.250 N ±28.7km 11.249 E ± 7.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.40 262 P 18 18.60 0.1
eSg 18 25.20
BDI 0.51 248 P 18 20.20 -0.3
eSg 18 26.70
PGD 0.51 138 P 18 20.30 -0.2
eSg 18 27.20
SFI 0.55 127 P 18 21.10 -0.1
eSg 18 28.90
PII 0.74 225 P 18 24.90 0.1
eSg 18 34.00
CRE 0.80 141 P 18 26.30 0.4
eSg 18 37.00
S.D. = 0.4 on 6 of 6 obs.

? JUN 19, 1992 03h 31m 02.97± 1.41s
6.319 S ±16.4km 147.443 E ±14.3km
DEPTH = 57.5 ± 15.0 km
4.7mb (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.51 126 eP 31 14.80 -0.1
LAT 0.55 233 iPd 31 15.60 0.2
YYYY 1.47 273 eP 31 31.30 3.6X
MDG 1.97 303 eP 31 34.40 0.0
PMG 3.08 185 eP 31 53.00 2.7X
eS 32 35.00
MNDI 3.77 272 eP 32 04.00 3.9X
WWKK 4.65 305 eP 32 16.20 3.8X

WB2 18.58 222 iPc 35 17.20 -0.7
0.2s 9.90nm 4.7mb
ASPA 21.61 216 iPc 35 50.70 0.6
0.4s 13.10nm 4.7mb
S.D. = 0.9 on 5 of 9 obs.

& JUN 19, 1992 04h 07m 57.38s
58.494 N 155.306 W
DEPTH = 120.5km
3.4mb (1 obs.)
ALASKA PENINSULA (12)
<AEIC>.

MCNL 0.86 36 iP 08 17.39 -1.0
eS 08 33.01
BGM 0.90 2 eP 08 17.52 -1.3
CDD 0.97 63 eP 08 18.69 -0.8
AUI 1.29 48 eP 08 21.64 -1.1
iS 08 40.65
AUH 1.30 47 eP 08 22.06 -1.0
eS 08 41.61
AUP 1.31 48 eP 08 22.00 -1.1
eS 08 40.86
AUE 1.33 48 eP 08 22.09 -1.1
PDB 1.42 23 eP 08 22.45 -1.8
eS 08 42.76
SYI 1.53 84 eP 08 24.63 -0.9
KDC 1.67 115 P 08 26.00 -1.2
INW 1.93 34 eP 08 28.47 -2.1
INE 1.95 35 eP 08 28.80 -2.0
HOM 2.22 57 eP 08 32.35 -1.8
eS 08 59.72
RS1 2.36 32 eP 08 33.73 -2.4
RS2 2.36 32 eP 08 34.10 -2.1
RSO 2.37 32 eP 08 34.12 -2.1
eS 09 02.50
REF 2.40 32 eP 08 31.50 -5.2
NNL 2.58 51 eP 08 37.88 -0.9
SVW 2.63 357 eP 08 36.81 -2.7
BKG 3.01 29 eP 08 42.09 -2.4
NKA 3.06 41 P 08 42.20 -2.9
CKL 3.10 28 P 08 43.40 -2.4
BGL 3.14 27 eP 08 44.44 -1.9
SPU 3.16 30 eP 08 43.83 -2.7
CKN 3.16 29 eP 08 44.25 -2.3
CPKM 3.18 28 eP 08 44.72 -2.3
CRP 3.20 28 P 08 44.50 -2.7
CGLM 3.28 29 iP 08 45.69 -2.4
SLKM 3.29 50 eP 08 45.27 -2.9
NCG 3.32 27 eP 08 46.55 -2.2
SEW 3.41 59 P 08 47.00 -2.8
SUA 3.76 36 P 08 51.70 -3.0
SKT 3.97 27 eP 08 54.66 -2.8
PTE 3.97 51 eP 08 54.26 -3.1
PMS 4.00 44 P 08 54.40 -3.4
PWA 4.17 38 P 08 57.50 -2.6
SDN 4.25 224 P 09 00.20 -1.0
PMR 4.39 42 (P) 08 58.15 -4.8
TTA 4.47 356 eP 09 00.83 -3.3
KNK 4.52 47 eP 09 00.39 -4.5
GHO 4.58 41 eP 09 01.55 -4.2
CUT 4.65 30 eP 09 02.94 -3.6
MID 4.74 75 P 09 03.20 -4.5
SML 4.81 43 eP 09 04.04 -4.9
HIN 4.88 63 eP 09 06.47 -3.3
SCM 5.20 47 eP 09 09.59 -4.6
VLZ 5.24 56 P 09 11.00 -3.6
CVA 5.28 63 P 09 10.80 -4.4
HUR 5.29 29 eP 09 11.52 -3.8
KTH 5.50 21 eP 09 14.75 -3.6
TRF 5.54 24 eP 09 14.38 -4.5
KLU 5.59 53 eP 09 15.02 -4.4
TOA 5.81 48 P 09 18.10 -4.4
RND 5.84 30 eP 09 18.11 -4.9
MCK 6.09 28 eP 09 21.75 -4.6
SDG 6.29 46 eP 09 24.24 -4.8
GLB 6.48 58 eP 09 27.67 -4.1
PAX 6.59 43 eP 09 28.12 -5.1
TGL 6.72 65 eP 09 31.49 -3.5
NEA 6.79 23 P 09 30.30 -5.5
WRH 6.92 27 P 09 32.20 -5.4
HDA 7.15 30 P 09 35.00 -5.7
FBA 7.35 26 ePc 09 37.31 -6.1
0.5s 24.34nm 5.0mb X
GLM 7.52 27 P 09 40.20 -5.5
YKA 20.19 61 eP 12 19.20 -4.8
0.5s 0.90nm 3.4mb

65 obs. associated

JUN 19, 1992 04h 53m 46.62± 0.58s
43.876 N ± 4.6km 7.853 E ± 4.6km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.3 (LDG), 2.2 (GEN).

IMI 0.04 38 P 53 48.95 0.1
S 53 50.12
ROB 0.42 2 P 53 55.40 0.2
S 54 00.86
FIN 0.42 37 P 53 55.47 0.3
S 54 01.44
ENR 0.47 318 P 53 55.72 -0.5
S 54 01.73
STV 0.53 314 P 53 56.82 -0.5
S 54 03.29
PZZ 0.83 320 P 54 02.31 -0.4
S 54 13.01
PCP 0.83 37 P 54 03.69 1.0
S 54 14.79
FRF 0.93 251 Pg 54 05.00 0.6
Sg 54 17.60
BHB 1.05 337 P 54 06.02 -0.5
LMR 1.12 241 Pg 54 07.70 0.2
Sg 54 22.20
LRG 1.16 249 Pg 54 09.20 0.9
Sg 54 24.70
PGF 1.57 147 Pn 54 13.40 -1.3
Sn 54 32.60
S.D. = 0.7 on 12 of 12 obs.

% JUN 19, 1992 05h 45m 40.39± 2.59s
44.226 N ±27.8km 11.246 E ± 7.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

MME 0.39 266 P 45 48.80 0.3
PGD 0.49 135 P 45 49.70 -0.7
eSg 45 56.90
BDI 0.49 251 P 45 49.80 -0.6
eSg 45 58.00
SFI 0.53 125 P 45 51.10 -0.1
eSg 45 58.20
PII 0.73 226 P 45 55.00 0.4
eSg 46 05.00
CRE 0.79 139 P 45 56.50 0.7
eSg 46 07.00
S.D. = 0.7 on 6 of 6 obs.

? JUN 19, 1992 06h 45m 51.69± 0.61s
32.815 N ± 9.9km 141.647 E ±18.2km
DEPTH = 33.0km (normal)
4.6mb (4 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 4.67 324 eP 47 02.00 0.2
(S) 47 57.00
SSE 17.45 270 eP 50 07.00 12.9X
Z 15s 0.40um
N 13s 0.30um
eS 53 20.00
WB2 52.92 189 iPc 55 06.40 -0.6
0.6s 7.90nm 4.9mb
WRA 52.92 189 P 55 06.80 -0.2
0.6s 4.60nm 4.6mb
ASPA 56.65 189 iPc 55 34.90 0.8
1.1s 6.00nm 4.5mb
LRM 77.04 44 eP 57 43.30 -0.1
NB2 78.15 338 P 57 48.30 -0.6
0.8s 1.50nm 4.1mb
PV10 83.42 48 ePc 58 17.80 0.3
ALQ 87.16 50 (P) 58 40.50 4.4X
ZOBO 148.46 66 PKP 05 38.00 3.9X
LPB 148.63 66 PKP 05 38.00 3.9X
CNCB 148.88 66 PKP 05 42.00 7.3X
S.D. = 0.6 on 7 of 12 obs.

? JUN 19, 1992 06h 50m 38.74± 0.77s
31.387 N ±10.8km 141.584 E ±27.8km
DEPTH = 33.0km (normal)
4.5mb (4 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 5.86 332 eP 52 06.00 0.5
(S) 53 02.00

WB2 51.51 189 iPc 59 43.50 0.1
0.7s 6.00nm 4.7mb
WRA 51.51 189 P 59 43.70 0.3
0.7s 2.90nm 4.3mb
ASPA 55.23 189 iPc 00 10.80 -0.2
0.8s 8.70nm 4.8mb
NB2 79.45 338 P 02 42.00 -1.0
0.7s 1.30nm 4.0mb
PV10 84.41 48 P 03 09.90 0.3
S.D. = 0.7 on 6 of 6 obs.

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* JUN 19, 1992 07h 26m 08.28± 0.66s
26.926 S ± 8.5km 26.694 E ± 9.4km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
mbLg 3.6 (BUL).

PRY 0.70 90 iPd 26 21.40 -0.8
SEK 1.62 150 iPd 26 38.50 0.8
S 26 58.60
SLR 1.85 51 iPd 26 42.00 0.9
S 27 05.40
BLF 2.22 191 iPd 26 46.40 0.0
S 27 15.50
FRS 3.06 203 iPd 26 58.70 0.5
S 27 30.70
BUL 6.98 15 iPnc 27 52.00 -1.8
iSn 29 07.00
iSg 29 42.10
CER 9.06 223 iPc 28 20.00 -2.8
1.0s 360.00nm 6.7mb X
S 29 57.00
BCAO 32.16 345 iPc 32 37.90 -1.3
0.2s 20.00nm 5.7mb X
LIC 45.05 312 P 34 29.70 2.6
TIC 45.36 313 P 34 29.50 0.0
LPB 86.80 253 P 38 57.00 1.1
ZOBO 86.94 253 P 38 56.20 -0.6
PNT 145.76 320 ePKP 45 51.00 1.6
S.D. = 1.6 on 13 of 13 obs.

JUN 19, 1992 08h 15m 26.29± 0.34s
8.917 S ± 7.0km 118.927 E ± 9.6km
DEPTH = 117.7km (2 depth phases)
5.2mb (20 obs.)
SUMBAWA REGION, INDONESIA (285)
Felt (I) at Waingapu.

WSI 1.54 119 iPc 15 54.20 -0.3
eS 16 14.50
e 24 44.10
KNA 11.77 126 eP 18 09.00 -2.6
eS 20 10.00
MBL 12.20 176 eP 18 15.30 -2.0
0.3s 28.00nm 5.5mb
eS 20 19.00
MTN 12.60 109 eP 18 20.30 -2.3
0.4s 188.00nm 6.0mb
eS 20 30.00
MEEK 17.63 181 eP 19 26.70 0.7
eS 22 28.00
WB2 18.51 128 iPd 19 34.40 -1.9
0.8s 60.90nm 4.9mb
eS 22 52.80
WARB 18.67 158 eP 19 38.00 0.0
0.3s 18.00nm 4.9mb
eS 22 57.00
MRWA 20.38 187 eP 19 56.00 0.2
eS 23 32.00
ASPA 20.50 137 iPd 19 56.80 -0.3
0.6s 142.70nm 5.5mb
eS 23 35.60
eScS 31 08.80
BAL 21.68 185 eP 20 09.00 0.3
eS 24 04.50
KLB 22.59 183 eP 20 18.00 0.4
eS 24 23.00
OIS 23.07 122 iPd 20 21.80 -0.6
0.5s 34.00nm 5.0mb
i 20 30.00 29kmX
iS 24 36.50
MUN 23.09 186 eP 20 41.50 19.1X
eS 24 34.00
FORT 23.36 160 eP 20 26.00 0.9
NWAO 23.94 184 eP 20 34.00 3.3X
KHT 31.00 319 eP 21 35.80 0.9
STK 31.06 141 iPd 21 35.40 0.1
0.7s 20.10nm 5.0mb
iPcP 24 28.20
BDT 32.61 323 eP 21 49.50 0.6
RMQ 33.22 126 eP 21 54.00 -0.2
1.0s 34.00nm 5.1mb
CMS 33.61 136 iPd 21 58.00 0.6
i 22 55.70 291kmX
CHG 33.88 324 eP 22 00.00 0.1
1.1s 41.14nm 5.1mb
BFD 35.34 146 eP 22 09.00 -3.1X
BWA 37.10 138 iPd 22 29.50 2.5
GYA 37.13 342 P 22 28.60 1.2
ARMA 37.27 130 iPd 22 30.90 2.3
0.6s 16.00nm 5.1mb
TOO 37.28 144 iPc 22 30.60 2.2
0.8s 56.00nm 5.5mb
i 22 56.00 110km
KMI 37.33 335 Pd 22 32.00 2.8
1.5s 60.00nm 5.2mb
CAN 38.01 138 iPd 22 35.60 0.9
WHN 39.48 354 ePc 22 48.00 1.3
1.0s 18.00nm 4.8mb
HNR 40.48 94 eP 22 55.00 -0.3
NJ2 40.74 360 Pc 22 58.40 1.4
1.0s 27.00nm 5.0mb
CD2 42.19 340 iPc 23 09.50 0.4
0.7s 60.00nm 5.5mb
XAN 43.76 348 P 23 21.40 -0.4
1.2s 26.00nm 4.9mb
LSA 46.79 326 P 23 46.00 -0.4
LZH 46.96 343 Pc 23 48.00 0.7
1.5s 57.00nm 5.1mb
pP 24 17.00 126km
DZM 47.43 112 iPc 23 51.20 0.1
GUN 48.60 320 P 23 58.40 -2.0
PKI 48.67 319 P 23 59.00 -1.9
BJI 48.78 357 eP 24 01.00 0.0
1.0s 39.00nm 5.2mb
DMN 48.89 319 P 24 00.30 -2.2
KKN 48.91 319 P 24 00.20 -2.4
GKN 49.47 319 P 24 04.40 -2.4
GTA 51.25 341 iPc 24 20.50 0.3
1.0s 53.00nm 5.4mb
WMQ 59.65 334 P 25 19.40 -1.0
0.8s 35.00nm 5.5mb
KSH 62.45 323 P 25 39.70 0.3
MSU 125.61 49 ePKP 34 16.69 0.7
PV10 127.97 48 ePKPd 34 21.10 0.5
TBR 145.86 18 ePKP 34 52.72 -0.2
TKL 146.27 34 ePKPd 34 54.60 0.8
PRM 148.21 35 ePKP 35 00.51 3.6X
ITR 151.41 233 ePKP 35 10.10 7.8X
e 35 19.80
e 35 43.50
CCH 153.39 169 ePKP 35 16.00 10.6X
e 36 29.00
CNCB 153.54 165 PKP 35 16.90 10.9X
LPB 153.78 165 PKP 35 17.00 10.9X
ZOBO 154.00 164 PKP 35 16.00 9.3X
S.D. = 1.4 on 46 of 55 obs.

% JUN 19, 1992 08h 27m 18.56± 0.67s
44.321 N ± 4.8km 7.296 E ± 6.2km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.0 (GEN).

STV 0.08 165 P 27 20.58 0.1
S 27 21.62
ENR 0.13 136 P 27 21.47 0.1
S 27 23.29
DOI 0.19 349 P 27 22.70 0.3
eSg 27 25.60
PZZ 0.23 323 P 27 23.43 0.1
S 27 26.69
ROB 0.41 93 P 27 27.37 0.5
S 27 33.45
BHB 0.52 357 P 27 28.49 -0.5
S 27 35.35
IMI 0.59 134 P 27 30.06 -0.4
S 27 38.29
FIN 0.66 99 P 27 31.45 -0.4
S 27 40.61
PCP 0.92 76 P 27 36.90 0.2
S 27 49.23
S.D. = 0.4 on 9 of 9 obs.

? JUN 19, 1992 08h 31m 45.53± 0.90s
16.226 N ±11.2km 61.410 W ±11.7km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)
ML 2.5 (FDF).

SEG 0.20 333 ePc 31 52.09 0.0
DOG 0.28 226 ePd 31 53.07 0.0
MGG 0.32 164 eP 31 53.50 0.0
DEG 0.35 75 ePd 31 53.98 0.0
S 31 59.30
S.D. = 0.0 on 4 of 4 obs.

? JUN 19, 1992 08h 49m 29.57± 2.90s
10.794 N ±28.9km 61.329 W ±14.6km
DEPTH = 33.0km (normal)
TRINIDAD (98)
MD 2.6 (TRN).

TRN 0.16 207 iPc 49 35.59 -0.2
TBH 0.40 140 iPd 49 38.75 0.0
TCE 0.43 257 iP 49 39.16 0.1
iS 49 45.00
TPP 0.49 194 eP 49 40.02 0.0
iS 49 46.96
S.D. = 0.2 on 4 of 4 obs.

JUN 19, 1992 09h 03m 29.47± 0.76s
53.797 N ± 4.9km 160.559 E ± 3.5km
DEPTH = 55.1 ± 7.4 km
5.0mb (68 obs.)
NEAR EAST COAST OF KAMCHATKA (218)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 15C
Centroid Location:
Origin Time 09:03:32.9 1.2
Lat 54.37N 0.21 Lon 160.69E 0.22
Dep 33.0 FIX Half-duration 1.8
Moment Tensor; Scale 10**16 Nm
Mrr= 2.52 0.68 Mtt=-1.74 1.11
Mff=-0.78 0.49 Mrt= 0.96 1.02
Mrf= 1.74 1.06 Mtf= 0.02 0.46
Principal Axes:
T Val= 3.41 Plg=65 Azm=294
N -1.31 15 58
P -2.11 20 153
Best Double Couple:Mo=2.8*10**16
NP1:Strike=267 Dip=28 Slip= 123
NP2: 51 66 74

PET 1.38 236 Pn 03 55.00 2.2
eS 04 06.00
SKR 4.16 223 ePn 04 33.10 1.1
eS 05 19.50
SMY 8.19 92 eP 05 26.30 -1.9
MGD 8.26 324 iPnc 05 31.50 2.3
Z 15s 1.40um
E 15s 1.40um
e 07 14.00
SEY 10.07 338 ePn 06 03.00 9.0X
Z 16s 1.10um
YSS 13.23 246 ePn 06 38.80 2.6
Z 14s 0.60um
N 14s 0.50um
(S) 09 07.00
SHO 13.42 228 ePn 06 36.00 -2.8
KUSJ 14.97 231 P 06 53.60 -5.3X
ASAJ 15.20 238 P 07 03.30 1.3
HOOJ 16.18 232 eP 07 11.80 -2.6
ILT 17.23 27 eP 07 26.00 -1.4
1.4s 57.00nm 4.5mb
YAK 18.18 309 iPd 07 38.80 -0.3
1.0s 170.00nm 5.2mb
Z 15s 0.80um 4.1MszX
E 13s 0.80um
eS 11 00.00
MDJ 22.06 258 eP 08 19.50 -1.3
NIIJ 22.27 231 P 08 23.90 1.0
MAT 23.20 231 eP 08 33.00 1.0
0.9s 52.94nm 5.0mb
eS 12 42.00
CHJJ 23.25 229 P 08 34.40 1.9
MTMJ 23.36 232 P 08 34.90 1.3
TTA 24.09 50 ePc 08 40.60 0.2
0.9s 35.39nm 4.9mb
epP 08 49.93 33kmX

19d 09h

CN2 24.96 261 eP 08 47.50 -1.3
1.2s 36.00nm 4.8mb
Z 16s 0.64um 4.2MszX
N 12s 0.21um
E 12s 0.38um
epP 08 58.00 39kmX
TSRJ 25.07 233 P 08 49.70 -0.2
IMA 25.33 43 ePc 08 51.79 -0.6
1.0s 25.14nm 4.7mb
BRW 25.49 31 iPd 08 53.35 -0.2
BOD 25.96 298 iPc 08 57.30 -0.7
0.9s 44.00nm 5.0mb
SNY 27.25 259 eP 09 08.00 -2.0
Z 20s 0.61um 4.2Msz
sP 09 19.60
FBA 27.73 46 eP 09 13.13 -1.1
1.2s 28.27nm 4.8mb
TOA 28.68 52 eP 09 20.90 -1.9
ZAK 34.54 288 eP 10 13.00 -1.1
1.2s 8.00nm 4.5mb
Z 11s 0.19um 4.1MszX
N 12s 0.19um
E 14s 0.39um
MOY 35.21 291 eP 10 17.10 -2.8
NRI 35.29 324 eP 10 09.00 -11.4X
1.4s 17.00nm
Z 20s 3.30um 5.1MszX
E 16s 2.00um
e 10 35.00
e 12 49.00
MBC 36.28 23 ePc 10 28.60 -0.1
0.5s 3.00nm 4.5mb
WHN 40.42 254 eP 11 02.50 -1.2
YKA 42.46 43 eP 11 19.80 -0.2
0.7s 8.50nm 4.6mb
LZH 42.63 269 eP 11 20.50 -1.4
1.5s 23.00nm 4.7mb
Z 16s 0.30um 4.3MszX
N 15s 0.32um
sP 11 30.00
GTA 42.81 276 iPc 11 22.80 -0.5
1.0s 25.00nm 4.9mb
Z 14s 0.58um 4.6MszX
CD2 46.32 264 iPd 11 50.40 -1.0
WMO 47.00 289 P 11 55.50 -1.2
1.0s 35.00nm 5.2mb
Z 17s 0.78um 4.7MszX
PNT 47.37 61 eP 12 00.00 0.5
0.7s 4.00nm 4.5mb
SES 51.01 55 ePc 12 26.90 -0.6
FCC 52.76 39 ePc 12 41.40 1.0
LRM 53.33 61 eP 12 45.00 -0.1
FRU 54.82 296 eP 12 55.30 -0.6
e 13 15.70
BONR 55.58 71 eP 13 02.54 0.8
KSH 56.43 292 eP 13 07.50 -0.2
BW06 56.93 61 eP 13 09.50 -1.8
1.0s 11.67nm 4.9mb
DUG 57.03 66 eP 13 11.53 -0.4
1.0s 8.23nm 4.7mb
ULM 58.14 47 eP 13 20.50 1.2
CHG 58.32 258 eP 13 20.00 -1.0
ARUT 58.40 68 eP 13 21.98 0.4
RSSD 58.79 57 iPc 13 24.29 0.0
0.7s 34.60nm 5.6mb
KAF 58.95 337 iP 13 23.60 -1.2
0.4s 14.60nm 5.5mb
SRU 59.04 65 iP 13 26.33 0.3
GUN 59.10 276 P 13 25.60 -1.1
KKN 59.54 276 P 13 27.60 -2.0
PKI 59.63 276 P 13 28.00 -2.4
GKN 59.76 277 P 13 24.90 -6.2X
PV10 60.37 65 eP 13 35.50 0.3
NUR 60.74 337 iP 13 35.90 -1.2
UPP 62.86 340 iP 13 50.10 -1.2
HFS 63.36 342 eP 13 52.60 -2.0
0.6s 12.30nm 5.2mb
Z 18s 0.08um 3.9Msz
LR 38 00.00
ALQ 64.30 66 eP 14 02.39 1.0
epP 14 14.09 39kmX
SNG 66.75 249 eP 14 18.00 1.0
EEO 67.86 40 eP 14 23.50 -0.2
MEO 68.58 60 iPc 14 28.10 -0.2
SIO 68.99 58 eP 14 30.40 -0.4
TUL 69.12 58 iPc 14 31.00 -0.5
0.7s 8.70nm 4.8mb
e 14 36.60 18kmX
e 14 39.20
VVO 69.60 58 eP 14 34.20 -0.3
CCM 69.64 53 iP 14 34.70 0.0
1.0s 19.24nm 5.0mb
FVM 70.08 53 eP 14 36.74 -0.7
0.8s 23.89nm 5.2mb
epP 14 46.99 33kmX
EKA 70.41 350 Pc 14 38.50 -0.6
0.8s 15.20nm 5.0mb
OJC 71.23 335 eP 14 44.20 0.1
KSP 71.50 337 iPd 14 46.10 0.3
OLY 71.57 55 eP 14 45.49 -1.0
LST 71.59 53 eP 14 46.74 0.3
CLL 71.79 339 iPd 14 47.40 -0.1
1.3s 48.00nm 5.3mb
BRG 72.00 338 iPd 14 48.80 0.1
1.2s 28.00nm 5.1mb
i 15 03.80
UZH 72.02 332 eP 14 48.50 -0.3
1.0s 55.00nm 5.4mb
e 15 10.30
DMU 72.17 352 eP 14 49.30 -0.4
0.8s 71.00nm 5.6mb
WTS 72.32 343 eP 14 50.50 0.0
0.7s 18.00nm 5.1mb
PRU 72.70 338 P 14 53.30 0.4
0.9s 9.90nm 4.7mb
e 15 21.70 112kmX
MOX 72.71 340 iP 14 53.20 0.3
1.3s 25.00nm 5.0mb
DLF 72.74 352 eP 14 52.70 -0.3
0.9s 163.00nm 6.0mb
DCN 72.75 352 eP 14 52.50 -0.6
0.8s 59.00nm 5.6mb
LMN 73.48 31 eP 14 58.50 1.1
ENN 73.65 344 eP 14 58.50 0.2
0.9s 38.00nm 5.3mb
GRF 73.69 340 ePc 14 59.50 0.8
1.1s 60.00nm 5.4mb
Z 22s 0.10um 4.1Msz
KHC 73.72 338 eP 15 00.00 1.1
1.0s 14.00nm 4.8mb
e 15 32.00
ZST 73.78 335 e(P) 15 00.90 1.8
MLR 73.79 329 ePd 14 59.00 -0.4
WET 73.86 339 iPd 15 00.70 1.0
1.3s 48.00nm 5.3mb
GEC2 73.97 338 P 14 59.30 -1.1
0.5s 4.46nm 4.7mb
BHG 75.21 338 iPd 15 08.60 1.2
CVL 75.40 44 eP 15 08.97 0.3
CDF 75.68 342 P 15 10.08 -0.2
KBA 75.71 338 iPc 15 11.00 0.5
0.9s 51.60nm 5.5mb
id 15 11.90 3kmX
ECH 75.90 342 P 15 11.56 0.2
WTTA 75.91 339 iPc 15 12.10 0.4
0.9s 17.60nm 5.0mb
id 15 12.60 2kmX
SOTA 76.05 339 iPc 15 12.50 0.2
0.8s 28.70nm 5.3mb
id 15 13.20
FEL 76.06 341 P 15 11.99 -0.4
SLE 76.08 341 ePd 15 12.40 0.0
VITF 76.10 343 P 15 12.52 0.0
PTJ 76.20 335 iP 15 13.60 0.4
HAU 76.24 342 iPc 15 13.40 0.1
0.7s 15.55nm 5.1mb
Z 23s 0.08um 3.9MszX
MOF 76.25 342 P 15 13.14 -0.3
ZAG 76.27 335 iPc 15 13.50 0.1
BSF 76.33 342 iPc 15 13.70 -0.2
OGA 76.42 339 iPc 15 15.60 1.0
0.7s 15.00nm 5.1mb
FLN 76.57 347 iPc 15 14.70 -0.3
0.9s 32.25nm 5.3mb
VOY 76.57 337 e(P) 15 14.90 -0.4
LDF 76.68 347 iPc 15 15.30 -0.4
0.8s 13.05nm 5.0mb
CEY 76.72 336 e(P) 15 15.80 -0.2
OSS 76.78 340 ePd 15 17.40 0.9
LOMF 76.79 342 P 15 16.11 -0.3
WB2 76.83 205 eP 15 12.10 -4.7X
0.5s 5.70nm 4.8mb
e 15 17.00 16kmX
WRA 76.84 205 P 15 17.50 0.7
0.9s 1.90nm 4.1mb
GRR 76.98 347 iPc 15 17.30 0.0
0.6s 21.00nm 5.3mb
PRM 77.00 49 eP 15 17.91 0.2
VDL 77.11 340 ePd 15 19.30 0.9
JSC 77.33 48 eP 15 19.30 -0.2
LPF 77.36 347 iPc 15 19.60 0.2
0.7s 16.30nm 5.1mb
LOR 77.38 344 iPc 15 19.60 0.0
0.8s 19.90nm 5.2mb
Z 20s 0.05um 3.8Msz
TMA 77.59 340 ePd 15 21.40 0.4
LBF 77.64 344 iPc 15 20.90 -0.2
0.6s 4.50nm 4.7mb
SSF 77.64 344 iPc 15 21.10 0.1
0.7s 10.35nm 4.9mb
PLE 77.69 332 iPd 15 21.99 0.5
MMK 77.82 341 ePd 15 23.50 1.1
DIX 77.90 341 ePd 15 23.90 1.1
AVF 77.93 344 iPc 15 22.90 0.3
1.1s 40.80nm 5.3mb
IVA 77.97 332 iPd 15 22.62 -0.4
SMF 77.99 344 iPc 15 23.20 0.2
1.2s 27.05nm 5.1mb
PVY 78.20 331 iPd 15 23.07 -1.3
BGF 78.24 344 iPc 15 24.50 0.2
1.0s 18.20nm 5.0mb
NKY 78.28 332 iPd 15 24.14 -0.6
BRY 78.32 332 iPd 15 24.62 -0.4
SKO 78.35 330 iP 15 25.60 0.6
RSL 78.43 342 P 15 26.17 0.6
LSD 78.55 341 P 15 27.17 0.8
TTG 78.56 332 iPd 15 25.56 -0.5
LPL 78.57 342 iPc 15 27.80 1.3
0.9s 47.65nm 5.5mb
LPG 78.59 342 iPc 15 28.00 1.4
1.1s 85.45nm 5.6mb
TCF 78.60 345 iPc 15 26.70 0.4
0.8s 13.15nm 4.9mb
VAY 78.61 329 iP 15 26.40 0.0
MAF 78.61 345 iPc 15 27.10 0.7
0.9s 17.05nm 5.0mb
MFF 78.64 347 iPc 15 27.00 0.5
0.8s 15.60nm 5.0mb
LSF 78.74 345 iPc 15 27.50 0.4
0.8s 13.70nm 5.0mb
HCY 78.75 332 iPd 15 26.62 -0.6
BOB 78.76 339 Pc 15 28.30 1.0
BDV 78.81 332 iPd 15 26.46 -1.1
RSP 78.83 341 P 15 27.39 -0.3
ULC 78.99 332 iPd 15 26.57 -1.9
BNI 79.03 341 Pc 15 29.90 1.0
MME 79.04 338 P 15 30.60 1.6
SFI 79.04 338 Pc 15 29.90 1.2
PGD 79.11 338 P 15 31.00 1.7
BHB 79.12 341 P 15 28.48 -0.7
PCP 79.16 340 P 15 29.24 -0.2
BDI 79.18 338 P 15 30.00 0.4
CKI 79.32 340 P 15 30.30 0.0
OHR 79.33 330 eP 15 28.20 -2.2
PZZ 79.48 341 P 15 30.59 -0.7
ROB 79.53 340 P 15 31.24 -0.2
FIN 79.54 340 P 15 30.81 -0.7
ASS 79.66 337 P 15 32.60 0.4
ENR 79.68 341 P 15 30.95 -1.4
STV 79.69 341 P 15 30.99 -1.3
IMI 79.90 340 P 15 33.24 -0.2
CAF 79.95 345 iPc 15 34.80 1.1
0.9s 16.70nm 5.0mb
LFF 80.14 346 iPc 15 35.60 1.0
LPO 80.32 345 iPc 15 36.60 1.0
0.8s 21.20nm 5.1mb
FRF 80.48 341 iPc 15 37.00 0.6
1.1s 35.40nm 5.2mb
ASPA 80.51 205 iPc 15 37.40 0.6
0.9s 14.60nm 4.9mb
SDI 80.67 335 P 15 37.80 0.2
LMR 80.72 341 iPc 15 38.50 0.8
1.1s 63.25nm 5.5mb
PGF 80.97 339 iPc 15 39.70 0.5
0.7s 18.75nm 5.1mb
SGO 81.37 334 P 15 41.30 0.2
MGR 81.70 334 P 15 43.50 0.6
CSI 81.84 333 P 15 44.40 0.7
TDS 81.94 333 P 15 45.10 1.0
ROI 81.96 333 P 15 45.40 1.1
ETOR 84.58 347 eP 15 59.50 1.8

EPLA 85.81 350 eP 16 05.00 1.2
STK 86.89 196 eP 16 10.20 1.3
0.8s 2.90nm 4.5mb
SPA 143.61 180 iPKPd 22 54.60 -3.7X
0.7s 16.80nm
S.D. = 1.0 on 176 of 182 obs.

JUN 19, 1992 09h 26m 30.64± 0.34s
40.632 S ± 3.5km 174.948 E ± 4.2km
DEPTH = 24.2 ± 4.4 km
4.1mb (2 obs.)
COOK STRAIT, NEW ZEALAND (163)
ML 4.1 (WEL). Felt (IV) in the
Wongonui-Waikanae area.

KIW 0.23 187 Pd 26 35.30 -1.4
MNG 0.41 88 Pd 26 38.10 -1.2
S 26 43.90
CAW 0.49 169 Pd 26 40.10 -0.5
MRW 0.63 197 P 26 42.50 -0.4
eS 26 51.80
WEL 0.67 192 Pc 26 43.30 -0.3
eS 26 53.10
MTW 0.67 142 Pd 26 44.10 0.4
TCW 0.77 221 Pd 26 44.10 -1.2
DIW 0.80 257 Pc 26 44.90 -0.9
MOW 0.82 164 Pd 26 46.90 0.7
BSZ 0.83 359 Pd 26 45.60 -0.7
BLW 0.84 152 Pd 26 47.40 1.0
PGZ 1.01 90 Pd 26 50.10 0.9
CCW 1.25 206 P 26 54.40 1.8
WAHZ 1.42 50 Pc 26 55.80 0.6
NRZ 1.51 329 P 26 57.60 1.2
TTH 1.81 54 P 27 01.90 1.3
ORZ 1.85 263 P 27 02.30 1.0
S 27 26.40
THZ 1.91 233 eP 27 03.30 1.0
KHZ 2.07 210 P 27 05.40 0.9
WHH 2.11 35 P 27 06.10 0.9
MOZ 2.13 357 eP 27 05.80 0.5
MAHZ 2.68 58 P 27 12.70 -0.4
TAZ 2.68 27 eP 27 13.30 0.1
LTZ 2.94 222 Pc 27 17.20 0.4
NOZ 3.12 51 P 27 17.90 -1.5
MQZ 3.52 208 P 27 23.10 -1.9
S 28 02.80
HBZ 4.00 42 P 27 30.30 -1.5
ODZ 5.43 214 P 27 49.40 -2.7X
ASPA 38.26 284 eP 33 50.00 -0.7
0.9s 3.70nm 4.2mb
e 34 16.40
WRA 40.22 289 P 34 06.80 -0.2
0.5s 1.80nm 4.1mb
S.D. = 1.1 on 29 of 30 obs.

& JUN 19, 1992 10h 14m 17.13s
59.958 N 152.667 W
DEPTH = 87.2km
SOUTHERN ALASKA (2)
<AEIC>.

INE 0.22 298 ePc 14 29.50 0.8
eS 14 39.80
INW 0.26 295 ePc 14 29.62 -0.7
eS 14 40.28
RED 0.47 354 ePc 14 30.86 -0.8
eS 14 41.91
RS1 0.51 355 iPc 14 31.49 -0.6
RSO 0.51 355 iPc 14 31.50 -0.6
RS2 0.51 355 iPc 14 31.48 -0.6
REF 0.53 358 iPc 14 31.31 -1.0
iS 14 42.89
HOM 0.60 120 iPc 14 32.33 -0.3
eS 14 44.07
NNL 0.69 82 ePc 14 33.70 0.2
AUE 0.70 211 ePd 14 32.84 -0.7
AUP 0.71 213 iPd 14 33.17 -0.6
AUH 0.71 214 eP 14 33.34 -0.5
eS 14 46.06
AUI 0.73 212 eP 14 33.13 -0.8
S 14 45.89
PDB 0.79 258 ePd 14 33.85 -0.7
iS 14 46.60
BKG 1.13 10 ePd 14 37.98 -0.6
eS 14 53.22
CDD 1.15 206 eP 14 37.72 -1.0
MCNL 1.15 228 iPd 14 37.67 -1.0
eS 14 53.31
CKL 1.25 7 iPd 14 39.52 -0.6
SPU 1.26 14 iPd 14 39.55 -0.6
eS 14 56.24
CKN 1.29 10 ePd 14 40.05 -0.5
BGL 1.32 6 iPd 14 40.47 -0.4
CPKM 1.33 9 eP 14 39.11 -2.0
CRP 1.34 11 iPd 14 40.15 -1.1
eS 14 57.57
SYI 1.36 174 ePd 14 40.67 -0.6
eS 14 59.25
CGLM 1.39 13 ePd 14 41.28 -0.6
BGM 1.42 248 eP 14 41.26 -0.9
NCG 1.47 10 iPd 14 42.40 -0.5
SEW 1.62 83 eP 14 43.32 -1.4
SUA 1.78 31 ePd 14 46.41 -0.6
eS 15 10.18
SVW 1.86 310 P 14 47.70 -0.3
PMS 2.00 49 P 14 49.20 -0.7
S 15 12.50
PTE 2.02 62 eP 14 48.61 -1.4
PWA 2.18 38 P 14 51.70 -0.5
KDC 2.22 178 (P) 14 49.99 -2.7
PLRM 2.39 45 eP 14 54.73 -0.3
PMR 2.39 45 eP 14 52.98 -2.0
KNK 2.53 53 eP 14 55.27 -1.8
eS 15 24.10
GHO 2.58 44 eP 14 56.27 -1.5
CUT 2.72 24 eP 14 58.80 -0.7
SML 2.82 47 eP 14 59.15 -1.8
HIN 3.11 79 eP 15 01.63 -3.4
VLZ 3.34 67 ePc 15 05.52 -2.6
HUR 3.36 24 eP 15 06.62 -1.8
TRF 3.68 17 eP 15 12.03 -1.0
KTH 3.70 12 eP 15 10.60 -2.6
RND 3.91 26 eP 15 14.04 -2.0
WRH 5.01 23 eP 15 29.28 -2.0
HDA 5.20 28 eP 15 31.91 -2.1
FBA 5.45 22 eP 15 35.09 -2.4
0.5s 13.61nm 4.5mb
IMA 6.15 356 eP 15 45.05 -2.2
0.8s 3.59nm 3.7mb
50 obs. associated

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* JUN 19, 1992 10h 17m 18.55± 1.29s
31.473 S ± 6.2km 72.261 W ±13.4km
DEPTH = 33.0km (normal)
OFF COAST OF CENTRAL CHILE (134)
MD 4.4 (SAN).

ROCH 1.83 145 iPc 17 48.20 -0.3
iS 18 10.30
JACH 1.86 131 iPc 17 48.40 -0.4
iS 18 09.70
PEL 2.13 142 iPc 17 52.50 -0.1
iS 18 16.90
SAN 2.39 146 iPd 17 56.90 0.6
TACH 2.44 153 iPc 17 57.50 0.5
iS 18 25.90
FCH 2.49 138 eP 17 57.60 -0.4
iS 18 27.70
LNV 2.58 164 iPc 17 58.60 -0.2
PCH 2.60 146 iPd 17 59.20 -0.1
iS 18 30.20
CHCH 2.80 151 eP 18 02.20 0.1
iS 18 34.40
RTCB 2.96 91 iPc 18 04.00 -0.4
ZON 3.06 92 eP 18 07.50 1.7
RTLL 3.25 88 e(P) 18 07.30 -1.1
S 18 44.00
ZOBO 15.58 15 eP 20 58.00 0.0
S.D. = 0.7 on 13 of 13 obs.

% JUN 19, 1992 10h 31m 28.33± 0.68s
39.458 N ± 4.7km 16.389 E ± 7.4km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

ACI 0.18 234 P 31 32.40 0.0
ROI 0.18 51 P 31 32.40 0.0
TDS 0.20 349 P 31 32.80 0.0
eSg 31 35.00
CZI 0.31 220 P 31 34.70 -0.1
CSI 0.33 346 P 31 35.10 0.0
MGR 0.93 317 P 31 46.20 0.0
eSg 31 59.20
SOI 1.41 191 P 31 54.00 0.0
eSn 32 11.00
S.D. = 0.1 on 7 of 7 obs.

& JUN 19, 1992 10h 36m 39.71s
59.806 N 153.321 W
DEPTH = 128.3km
SOUTHERN ALASKA (2)
<AEIC>.

INW 0.28 20 eP 36 56.90 0.5
INE 0.29 27 eP 36 57.10 0.6
PDB 0.44 268 eP 36 57.41 -1.1
eS 37 10.78
AUH 0.45 188 eP 36 57.72 -0.9
AUP 0.45 187 eP 36 57.93 -0.7
AUE 0.45 183 iPd 36 57.86 -0.7
AUI 0.48 187 eP 36 57.94 -0.7
eS 37 11.31
RED 0.67 24 iPc 36 59.25 -0.8
eS 37 14.02
RS1 0.71 23 ePc 36 59.72 -0.8
eS 37 15.13
RS2 0.72 23 iPc 36 59.74 -0.8
RSO 0.72 23 iPc 36 59.71 -0.8
MCNL 0.81 220 iPd 37 00.08 -1.0
eS 37 15.56
HOM 0.86 99 eP 37 00.95 -0.5
eS 37 17.41
CDD 0.89 191 iPd 37 00.98 -0.8
NNL 1.05 76 iPc 37 03.51 0.3
SYI 1.29 158 eP 37 04.93 -0.8
eS 37 24.41
BKG 1.37 22 iPc 37 06.08 -0.6
eS 37 25.58
CKL 1.48 19 iPc 37 07.37 -0.5
iS 37 28.83
SPU 1.52 24 iP 37 07.50 -0.8
CKN 1.53 21 eP 37 08.03 -0.4
BGL 1.53 17 eP 37 08.20 -0.3
CPKM 1.56 20 eP 37 08.11 -0.8
CRP 1.58 21 iP 37 07.99 -1.1
iS 37 29.91
CGLM 1.64 23 eP 37 09.23 -0.5
NCG 1.70 19 eP 37 10.28 -0.3
SLKM 1.70 64 eP 37 09.35 -1.1
SVW 1.73 320 eP 37 09.23 -1.6
SEW 1.97 80 eP 37 12.64 -1.0
SUA 2.09 36 iPc 37 14.96 -0.4
KDC 2.11 168 eP 37 12.90 -2.4
eS 37 39.83
SKT 2.35 21 eP 37 17.59 -0.9
PMS 2.35 51 P 37 18.10 -0.4
PTE 2.39 62 eP 37 17.68 -1.2
KNK 2.89 54 eP 37 23.84 -1.6
GHO 2.92 46 eP 37 24.60 -1.4
CUT 3.00 28 eP 37 26.20 -0.6
SML 3.16 48 eP 37 26.88 -2.2
TTA 3.39 339 P 37 30.10 -2.1
HIN 3.47 77 eP 37 31.65 -1.5
VLZ 3.71 66 eP 37 34.62 -1.6
TRF 3.93 20 P 37 38.20 -1.3
KLU 4.02 62 eP 37 38.50 -2.0
FBA 5.72 24 eP 38 00.74 -2.8
43 obs. associated

JUN 19, 1992 11h 01m 02.47± 0.86s
38.395 N ± 7.5km 21.958 E ± 9.2km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.2 (ATH).

AGG 0.69 25 ePgd 01 14.72 -1.4
eSg 01 25.40
VLS 1.10 259 ePb 01 22.20 -0.9
eSn 01 40.00
ATH 1.45 106 ePb 01 28.00 -0.7
LIT 1.75 13 ePbd 01 33.72 0.6
eSb 01 57.92
VLI 1.85 155 ePn 01 35.50 1.1
KZN 1.91 356 ePn 01 38.00 2.5
PAIG 2.03 41 ePb 01 36.00 -1.1
eSb 02 02.68
LSK 2.04 329 ePn 01 41.50 4.1X
TPE 2.42 322 ePn 01 47.10 4.3X
OUR 2.49 38 ePn 01 44.16 0.5
eSn 02 14.00
GRG 2.58 7 ePn 01 45.12 0.1

eSn 02 17.80
OHR 2.86 342 ePn 01 53.80 4.9X
KNT 2.86 14 ePn 01 49.68 0.8
VAY 2.96 9 ePn 01 45.70 -4.6X
TIR 3.36 332 ePn 02 07.00 11.0X
PHP 3.49 341 ePn 02 05.40 7.6X
SKO 3.59 354 ePn 01 58.00 -1.4
e 02 44.30
S.D. = 1.4 on 11 of 17 obs.

JUN 19, 1992 11h 17m 02.85± 0.57s
20.998 N ± 6.7km 108.800 W ± 5.5km
DEPTH = 10.0km (geophysicist)
4.6mb (16 obs.) 4.6Msz (8 obs.)
REVILLA GIGEDO ISLANDS REGION (53)

GLA 13.15 337 eP 20 11.43 -0.9
ALO 14.04 8 eP 20 25.61 1.3
1.7s 149.03nm 5.5mb
PEC 14.82 332 eP 20 35.47 1.2
1.6s 29.91nm 4.6mb
MEO 16.42 31 iPd 20 54.30 -0.6
ABL 16.57 329 eP 20 58.63 1.5
ISA 16.89 332 eP 21 01.16 0.2
0.8s 9.22nm 4.0mb
ARUT 17.21 347 (P) 21 06.24 1.2
PV10 17.32 359 iPc 21 05.10 -1.5
FNO 17.38 33 iPc 21 08.00 0.9
OCO 17.56 32 iPd 21 10.80 1.6
MSU 17.70 351 eP 21 11.45 0.2
ACO 17.76 26 e(P) 21 13.00 1.1
SRU 18.11 356 eP 21 16.14 -0.2
VVO 18.32 36 ePc 21 18.70 0.0
SIO 18.32 34 iP 21 18.90 0.1
TNP 18.52 339 ePd 21 20.94 -0.4
1.1s 23.57nm 4.3mb
TUL 18.72 35 eP+ 21 23.60 0.0
0.9s 54.20nm 4.8mb
Z 20s 0.64um 4.1MszX
e 21 28.70
e 22 23.00
e 24 26.00
S 25 04.00
LR 27 15.00
BONR 18.79 336 (P) 21 24.90 0.0
EMUT 18.83 355 eP 21 25.20 -0.1
DUG 19.44 351 ePc 21 31.77 -0.8
1.8s 125.16nm 4.9mb
DAU 19.47 354 eP 21 32.08 -1.0
KVN 19.69 338 (P) 21 34.81 -0.6
ARN 19.69 329 eP 21 37.15 1.9
OLY 20.97 43 (P) 21 48.32 -0.3
ORV 21.46 332 eP 21 54.84 1.3
PTI 22.01 353 (P) 21 59.45 0.2
CCM 22.79 38 (P) 22 07.53 0.8
1.5s 30.27nm 4.6mb
PWLA 22.94 48 eP 22 07.55 -0.8
LBFM 23.12 334 eP 22 11.76 1.5
FVM 23.22 39 ePd 22 11.74 0.8
1.1s 46.69nm 4.9mb
RSSD 23.40 9 eP 22 16.41 3.5X
0.8s 9.82nm 4.4mb
Z 19s 3.77um 4.9Msz
LRM 24.94 354 eP 22 27.60 -0.3
TKL 26.33 51 (P) 22 39.19 -1.5
PRM 26.73 55 eP 22 44.38 0.0
SHW 27.43 339 (P) 22 50.58 -0.2
JSC 27.65 56 (P) 22 52.33 -0.5
LON 27.79 341 eP 22 52.94 -1.0
LHS 28.07 55 eP 22 56.81 0.2
GMW 28.80 340 eP 23 02.15 -0.9
NAV 29.22 50 (P) 23 06.49 -0.5
SES 29.39 357 ePc 23 07.20 -1.1
PNT 29.54 346 eP 23 13.00 3.3X
CEH 29.90 54 (P) 23 12.14 -0.9
0.6s 6.01nm 4.6mb
Z 19s 0.61um 4.3Msz
ULM 30.93 16 eP 23 21.00 -0.9
MCWV 30.95 47 P 23 30.00 7.7X
Z 21s 1.38um 4.6Msz
CVL 31.18 50 (P) 23 23.06 -1.2
SDV 38.68 102 iPd 24 30.80 1.8
SIT 40.96 338 P 25 00.00 12.9X
Z 20s 0.61um 4.5Msz
YKA 41.66 356 eP 24 53.20 0.5
1.0s 3.60nm 4.1mb
LMN 43.56 45 eP 25 10.00 1.4
HON 45.73 280 P 25 40.00 13.7X
Z 20s 0.71um 4.6Msz
PMR 49.19 336 eP 25 52.59 -0.2
Z 19s 0.33um 4.3Msz
FBA 50.80 340 (P) 26 04.82 -0.3
0.9s 4.76nm 4.4mb
SDN 51.45 325 P 26 20.00 9.9X
Z 20s 1.59um 5.0Msz
SVW 51.54 333 eP 26 08.98 -1.9
1.3s 27.63nm 5.0mb
TTA 52.62 335 eP 26 17.47 -1.5
0.9s 5.27nm 4.5mb
IMA 53.46 339 (P) 26 26.13 0.9
1.3s 6.78nm 4.5mb
ZOBO 54.45 130 P 26 34.00 0.3
Z 24s 0.42um 4.4MszX
LR 41 00.00
LPB 54.64 130 P 26 35.00 0.2
CNCB 54.91 130 eP 26 37.00 0.0
MBC 55.55 357 eP 26 39.50 -0.7
0.8s 9.00nm 4.9mb
SMY 65.82 319 P 28 00.00 9.7X
Z 21s 1.63um 5.2Msz
S.D. = 1.0 on 55 of 62 obs.

% JUN 19, 1992 11h 34m 19.08± 3.80s
40.707 N ± 9.1km 29.948 E ±27.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

HRT 0.24 298 iPg 34 24.00 -0.3
eSg 34 30.00
YLV 0.46 252 iPg 34 28.40 -0.1
eSg 34 39.50
IZI 0.52 225 iPg 34 29.50 -0.1
iSg 34 42.00
CTT 1.23 291 iPn 34 42.00 0.0
KCT 1.30 250 ePn 34 43.00 -0.1
DST 1.49 223 ePn 34 45.80 -0.2
BNT 1.59 258 ePn 34 48.00 0.7
S.D. = 0.4 on 7 of 7 obs.

% JUN 19, 1992 11h 42m 09.35± 4.42s
33.107 S ±13.6km 70.518 W ±18.5km
DEPTH = 88.3 ± 38.7 km
CHILE-ARGENTINA BORDER REGION (127)
MD 3.3 (SAN).

PEL 0.14 255 iPd 42 22.40 0.0
iS 42 32.80
FCH 0.29 139 iPd 42 22.90 -0.3
iS 42 34.30
JACH 0.43 352 iP 42 23.70 0.0
iS 42 35.50
ROCH 0.44 288 iPd 42 24.10 0.2
iS 42 35.90
PCH 0.51 180 iPd 42 24.30 0.0
iS 42 36.40
TACH 0.65 213 iPd 42 25.60 0.1
iS 42 38.20
CHCH 0.83 188 iPc 42 27.30 -0.1
iS 42 41.70
CACH 1.01 184 iP 42 29.90 0.4
iS 42 46.20
LNV 1.13 221 iP 42 30.30 -0.4
iS 42 46.60
S.D. = 0.3 on 9 of 9 obs.

& JUN 19, 1992 12h 17m 15.01s
58.290 N 142.950 W
DEPTH = 10.0km (geophysicist)
GULF OF ALASKA (15)
<AEIC>. ML 2.6 (AEIC).

KAIM 1.81 336 eP 17 41.99 -4.4
eS 18 01.87
CYK 1.81 7 eP 17 41.67 -4.8
WRG 1.82 15 eP 17 41.19 -5.4
S 18 02.86
YKU 2.10 51 P 17 48.90 -1.7
YAH 2.17 16 eP 17 46.40 -5.5
eS 18 11.45
CVA 2.68 329 eP 17 53.29 -5.6
BALM 2.77 6 iPd 17 54.56 -5.8
eS 18 27.50
HIN 2.79 321 eP 17 55.45 -5.1
CTGM 2.81 16 eP 17 55.08 -5.8
S 18 27.99
GLB 3.19 353 eP 18 00.79 -5.4
VLZ 3.33 330 eP 18 02.82 -5.2
KLU 3.54 336 eP 18 06.04 -5.2
PTE 4.03 312 eP 18 12.25 -5.7
TOA 4.15 339 P 18 11.60 -8.2
KNK 4.19 321 eP 18 15.58 -4.7
SLKM 4.33 304 eP 18 16.66 -5.7
SML 4.44 325 eP 18 18.71 -5.3
GHO 4.60 322 eP 18 21.32 -4.9
PWA 4.84 317 P 18 26.20 -3.4
PAX 4.86 346 P 18 23.20 -6.7
CUT 5.50 322 P 18 32.70 -6.2
CRP 5.52 307 (P) 18 35.11 -4.3
DDM 5.69 347 P 18 33.50 -8.2
23 obs. associated

& JUN 19, 1992 12h 25m 00.98s
33.187 N 115.593 W
DEPTH = 4.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.7 (PAS).

GLA 0.66 102 iPd 25 12.97 -1.2
PLM 1.08 279 eP 25 19.91 -2.0
PEC 1.49 299 eP 25 26.02 -2.5
SSK 2.03 301 eP 25 37.24 0.8
eS 26 01.98
4 obs. associated

• JUN 19, 1992 12h 37m 20.15± 1.53s
0.345 N ±11.6km 120.320 E ±19.0km
DEPTH = 60.8 ± 14.1 km
4.6mb (2 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 1.33 201 iPd 37 43.00 0.1
iS 38 05.20
e 43 51.70
TSM 4.62 328 ePc 38 29.00 0.0
KKM 6.99 324 ePc 39 06.50 4.2X
WB2 24.41 146 iPc 42 54.00 19.7X
0.8s 9.40nm
ASPA 27.27 152 iPd 42 59.70 -1.2
0.7s 7.90nm 4.4mb
STK 37.85 150 iPc 44 32.20 -0.6
0.7s 8.00nm 4.8mb
GUN 42.89 313 P 45 15.00 0.1
PKI 43.05 312 P 45 16.00 -0.2
KKN 43.27 312 P 45 18.30 0.5
DMN 43.30 312 P 45 18.00 -0.1
BWA 43.46 146 eP 45 20.50 1.4
GKN 43.86 312 P 45 22.40 -0.2
CAN 44.44 146 eP 45 27.30 0.3
S.D. = 0.8 on 11 of 13 obs.

• JUN 19, 1992 12h 48m 34.46± 1.28s
51.117 N ±15.3km 15.856 E ± 6.8km
DEPTH = 5.0km (geophysicist)
POLAND (548)
MG 2.6 (WAR).

KSP 0.39 135 iPd 48 41.40 -0.9
0.4s 47.00nm
iS 48 48.60
i 48 55.40
BRG 1.23 259 iPg 48 57.60 -0.2
iSg 49 17.40
PRU 1.41 217 ePn 49 01.20 0.4
0.4s 9.10nm
Pg 49 02.50
eSn 49 19.70
Sg 49 25.90
e 49 33.40
CLL 1.80 277 ePg 49 06.00 -0.4
eSg 49 33.00
KHC 2.47 217 Pn 49 16.40 0.3
Pg 49 22.20
Sn 49 49.50
eSg 50 00.00
OJC 2.66 108 eP 49 19.50 0.7
iS 49 54.10
MOX 2.73 262 Pg 49 25.00 5.3X
Sg 50 05.00
S.D. = 0.8 on 6 of 7 obs.

? JUN 19, 1992 12h 51m 28.90± 0.99s

```
   39.113 N ± 8.6km    27.552 E ±10.0km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

IZM      0.75 198 iPg    51 43.40  -0.2
                  iSg    51 55.40
DST      0.97  59 iPn    51 47.70   0.4
EZN      1.19 307 ePn    51 51.60   0.6
KGT      1.35 352 ePn    51 53.00  -0.7
     S.D. = 1.0  on   4 of   4 obs.
---------------------------------------
& JUN 19, 1992  13h 18m 33.19s
   38.756 N              122.463 W
   DEPTH =   7.0km
 NORTHERN CALIFORNIA               ( 36)
      <GM-P>, MD 3.1 (GM), ML 3.1
       (GS), 3.1 (BRK).

NWRM     0.45 228 iPd    18 42.41   0.2
ORV      1.09  43 eP     18 50.37  -3.7
LTCM     1.47  10 (P)    18 55.51  -4.6
ARN      1.58 152 eP     18 59.78  -2.0
                  eS     19 19.10
FHC      2.36 331 (P)    19 12.35  -0.6
LBFM     2.62   9 eP     19 14.96  -1.9
BONR     3.37 102 (P)    19 25.42  -2.1
KVN      3.42  84 (P)    19 26.29  -1.9
TNP      4.17  98 (P)    19 38.46  -0.4
MSU      8.06  89 (P)    20 31.42  -2.3
EMUT     9.09  80 (P)    20 52.47   4.4
     11 obs. associated
---------------------------------------
   JUN 19, 1992  13h 47m 35.11± 0.62s
    6.825 N ± 5.0km   72.976 W ± 6.2km
   DEPTH = 165.6 ±  7.0 km
   4.9mb (  7 obs.)
 NORTHERN COLOMBIA                 ( 99)

BOG      2.44 206 iPd    48 17.00  -0.1
                  iS     48 46.00
SDV      3.10  48 iPnc   48 26.00   1.0
                  iSn    49 03.60
TOV      4.31  47 ePnc   48 41.20   0.6
                  iSn    49 29.30
CEOS     5.09  64 iP     48 50.30  -0.6
                  iS     49 48.00
OLLA     6.88  62 iP     49 13.80  -0.9
                  iS     50 31.40
GUAN     7.89  66 iP     49 26.80  -1.4
ZOBO    23.46 168 P      52 31.50   0.0
                  i      53 04.00
LPB     23.70 168 P      52 35.00   1.3
CNCB    24.00 168 P      52 37.00   0.4
CCH     24.98 164 (P)    52 46.00   0.5
PWLA    31.28 336 ePd    53 41.87   0.5
OLY     33.21 332 iPd    53 57.77  -0.4
TBR     34.19 358 (P)    54 07.57   1.1
FVM     34.83 335 iPd    54 11.95   0.0
        0.5s     44.13nm          5.4mb
CCM     35.23 335 iPd    54 15.62   0.3
        0.6s     36.65nm          5.3mb
VVO     35.25 327 eP     54 14.70  -0.9
TUL     35.71 327 eP     54 18.60  -0.8
        0.7s     16.30nm          4.8mb
SIO     35.87 327 eP     54 20.00  -0.7
                  e      54 24.60
EMM     38.07   6 eP     54 40.40   1.3
LMN     39.52   9 eP     54 53.50   2.4
EEO     40.01 353 ePd    54 57.50   2.3
PV10    45.26 319 eP     55 37.79  -0.2
                  epP    56 33.00 262kmX
SRU     46.63 319 iPd    55 48.75  -0.1
ULM     47.33 340 ePd    55 54.40   0.6
MSU     47.40 318 eP     55 55.23   0.4
DAU     47.82 320 iPd    55 58.45   0.3
ARUT    47.89 316 iPd    55 58.41  -0.1
BW06    48.16 324 ePd    56 00.00  -0.7
        1.0s      5.83nm          4.2mb
                  (pP)   56 53.70 250kmX
HPI     50.81 323 iPc    56 20.57  -0.4
BONR    51.38 314 eP     56 25.56   0.2
LRM     51.65 325 ePd    56 26.80  -0.4
SES     53.77 331 eP     56 42.00  -0.5
LBFM    55.32 316 eP     56 53.03  -1.0
DPW     56.07 325 eP     56 58.47  -0.7
VGB     56.43 321 (P)    57 01.73   0.0
PNT     57.63 326 eP     57 10.00   0.0
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         0.7s      6.00nm          4.6mb
YKA     63.31 340 eP     57 46.90  -1.3
         0.6s     16.10nm          5.1mb
LIC     67.46  86 P      58 14.50  -1.1
KIC     67.73  86 P      58 16.20  -1.1
MBC     73.83 350 ePd    58 52.90   0.2
         0.6s     11.00nm          4.8mb
TTA     80.79 333 (P)    59 31.50   0.2
GEC2    82.72  42 P      59 41.60  -0.1
         0.6s      0.73nm          3.6mb X
ASPA   149.23 234 iPKPd  07 05.20   3.4X
         0.7s      7.50nm
                  e      07 45.60
WB2    150.45 241 iPKPd  07 08.70   5.0X
         0.4s     15.80nm
                  e      07 49.80
     S.D. = 0.9  on  42 of  44 obs.
---------------------------------------
? JUN 19, 1992  14h 01m 55.59± 2.58s
   34.669 N ±34.6km   75.160 E ±39.9km
   DEPTH =  33.0km  (normal)
   4.2mb (  3 obs.)
 EASTERN KASHMIR                   (302)

QUE      8.25 239 eP     03 56.00  -0.1
HFS     46.58 323 eP     10 22.20   0.4
         0.4s      2.10nm          4.5mb
NB2     47.87 324 P      10 31.90  -0.1
         0.5s      1.00nm          4.1mb
MBC     68.97   4 eP     12 57.50  -1.5
YKA     82.86   5 eP     14 19.00   1.4
         0.5s      1.00nm          4.2mb
     S.D. = 1.5  on   5 of   5 obs.
---------------------------------------
   JUN 19, 1992  14h 08m 55.43± 0.93s
   36.970 N ± 5.8km   71.788 E ± 4.2km
   DEPTH = 130.7 ±  9.7 km
   4.7mb ( 41 obs.)
 AFGHANISTAN-TAJIKISTAN BORD REG.(717)

FRU      6.25  19 iPn    10 27.60   1.1
                  e      11 33.00
PRZ      7.50  41 iPc    10 44.50   0.9
         0.8s   1760.00nm          6.7mb X
                  eS     12 02.00
QUE      7.87 212 eP     09 51.00 -57.7X
                  eS     11 19.60
NDI      9.44 150 iPc    11 10.50   1.0
         0.5s     24.65nm          5.2mb
MAIO     9.90 270 iPc    11 15.30  -0.5
         0.8s      8.05nm          4.5mb
                  eS     12 59.00
ASH     10.73 279 P      11 22.40  -4.2X
GKN     14.04 126 P      12 07.80  -2.1
KKN     14.61 125 P      12 14.60  -2.5
DMN     14.61 126 P      12 16.60  -0.6
PKI     14.84 125 P      12 17.40  -2.7
GUN     14.92 123 P      12 19.60  -1.6
GRS     20.14 285 eP     13 23.00   1.7
         1.1s    230.00nm          5.5mb
HYB     20.37 161 eP     13 25.00   1.3
GRO     20.90 296 eP     13 30.00   1.3
SVE     21.21 343 ePd    13 31.00  -0.7
         1.2s     40.00nm          4.7mb
                  e      14 08.00
                  e      17 17.20
ARU     21.37 340 eP     13 33.50   0.2
                  eS     17 22.00
GTA     22.13  75 iPc    13 43.50   2.4
PYA     22.88 297 iP     13 56.00   7.8X
                  i      14 30.00
LZH     25.71  82 Pc     14 16.50   1.2
         1.5s     20.00nm          4.5mb
ZAK     26.21  49 eP     14 20.00   0.6
         1.0s     14.00nm          4.5mb
                  e      14 56.20
CD2     27.12  93 eP     14 27.00  -1.0
BTO     29.86  71 eP     14 52.20  -0.3
CHG     29.89 120 eP     14 54.00   1.2
CHTO    29.89 120 eP     14 54.10   1.3
OBN     29.98 318 iPd    14 53.70   0.5
XAN     30.25  84 P      14 55.70  -0.2
         1.0s      8.50nm          4.4mb
TIY     32.15  76 eP     15 13.00   0.5
KHT     32.51 126 eP     15 17.70   2.0
CIT     32.89  49 eP     15 18.70  -0.1
NRI     33.69  10 iPd    15 25.00  -0.3
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         1.0s     10.00nm          4.5mb
                  i      15 49.00
MLR     35.11 299 ePd    15 40.00   2.1
WHN     35.74  88 eP     15 44.00   0.8
KAF     37.58 327 iP     15 58.20  -0.1
NUR     37.82 324 iP     16 00.40   0.1
         0.4s     16.10nm          5.2mb
NJ2     38.79  83 eP     16 09.20   0.5
OJC     39.13 307 eP     16 11.80   0.4
SSE     40.99  83 Pc     16 28.90   2.1
         1.0s     13.00nm          4.6mb
UPP     41.10 322 iP     16 27.10  -0.2
                  i      16 32.50
IPM     41.91 133 ePc    16 36.90   2.3
         0.9s     55.30nm          5.3mb
BRG     42.83 308 iP     16 43.80   2.1
HFS     43.09 322 eP     16 43.20  -0.4
         0.6s     38.40nm          5.3mb
GEC2    43.18 305 P      16 48.90   4.3X
         0.7s      0.76nm          3.5mb X
GEC2    43.18 305 P      16 44.60   0.0
         0.5s      0.63nm          3.6mb X
KHC     43.23 305 eP     16 40.00  -5.0X
                  e      16 46.00
                  e      17 28.00
YAK     43.23  36 iPd    16 43.80  -0.9
         0.8s     73.00nm          5.4mb
                  iS     22 58.00
CLL     43.39 309 eP     16 46.00  -0.2
         1.2s     10.00nm          4.4mb
NB2     44.39 323 P      16 53.10  -1.1
         0.7s     19.10nm          4.9mb
GRF     44.69 306 ePc    16 58.40   1.7
         1.2s     18.00nm          4.7mb
KGM     45.32 133 ePc    17 03.50   1.6
BSF     47.89 305 iPc    17 22.00   0.0
         0.5s      6.70nm          4.7mb
HAU     48.15 305 eP     17 23.90   0.1
         0.5s      4.10nm          4.5mb
LPG     48.44 302 eP     17 27.00   0.5
         0.6s      5.05nm          4.5mb
LPL     48.45 302 iPc    17 26.80   0.3
         0.5s      6.50nm          4.7mb
LBF     49.94 304 iPc    17 37.10  -0.6
SMF     50.12 304 iPc    17 38.90  -0.1
         0.5s      6.25nm          4.7mb
SSF     50.24 304 eP     17 39.70  -0.1
AVF     50.41 304 iPc    17 41.00  -0.1
         0.6s      9.55nm          4.8mb
MAF     51.08 303 iPc    17 46.50   0.2
         0.6s      6.75nm          4.7mb
TCF     51.30 304 iPc    17 48.10   0.1
         0.6s      7.60nm          4.7mb
CAF     51.79 302 iPc    17 51.90   0.3
         0.5s      4.00nm          4.5mb
YSS     51.99  55 eP     17 51.50  -1.6
         1.0s     20.00nm          4.9mb
MAT     52.19  69 eP     17 53.00  -1.8
LDF     52.20 307 iPc    17 54.00  -0.6
         0.4s      4.95nm          4.7mb
FLN     52.39 307 eP     17 55.30  -0.7
         0.5s      6.25nm          4.7mb
EKA     52.39 316 Pd     17 55.20  -0.7
         0.7s      8.20nm          4.7mb
LPO     52.45 302 iPc    17 56.60   0.1
LFF     52.68 302 iPc    17 58.40   0.2
         0.4s      6.40nm          4.9mb
GRR     52.73 307 eP     17 57.80  -0.7
MFF     52.77 305 iPc    17 58.20  -0.6
         0.6s      5.60nm          4.6mb
LPF     52.95 307 iPc    18 00.00  -0.1
         0.4s      3.00nm          4.5mb
EPF     53.56 300 eP     18 03.90  -0.8
         0.5s      1.95nm          4.3mb
TOL     57.78 298 eP     18 35.00   0.1
PCI     58.27 119 ePd    18 41.10   2.5
                  e      19 47.70
BCAO    58.42 250 iPd    18 39.00  -0.7
         0.5s     10.00nm          5.1mb
                  i      19 33.60
EPLA    59.13 299 eP     18 44.60   0.2
ILT     63.06  24 eP     19 07.00  -3.3X
MBC     66.84   3 ePc    19 33.70  -0.8
         0.4s     13.00nm          5.2mb
TIC     75.50 267 P      20 26.20  -1.0
LIC     75.75 267 P      20 26.00  -2.6
PWA     76.08  19 eP     20 28.40  -1.3
```

19d 14h

PMR 76.32 19 eP 20 29.39 -1.6
0.8s 8.97nm 4.6mb
TOA 76.62 17 eP 20 33.10 0.3
YKA 80.75 3 eP 20 53.40 -1.5
0.6s 3.70nm 4.3mb
WRA 81.71 122 P 21 00.20 -0.4
0.7s 1.90nm 4.0mb
WB2 81.71 122 iPd 20 59.70 -1.0
0.7s 5.50nm 4.4mb
ASPA 84.00 125 iPc 21 12.20 -0.1
0.9s 5.30nm 4.4mb
NEW 94.77 6 ePc 22 02.50 -0.7
1.0s 4.00nm 4.7mb
S.D. = 1.2 on 81 of 87 obs.

% JUN 19, 1992 14h 57m 59.93± 2.18s
33.274 S ± 7.6km 71.462 W ±16.8km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.3 (SAN).

ROCH 0.48 52 iPd 58 11.00 1.2
iS 58 18.90
TACH 0.58 131 iPc 58 12.30 0.6
iS 58 20.70
PEL 0.66 79 iPd 58 13.60 0.4
iS 58 23.00
LNV 0.68 176 eP 58 13.60 0.2
iS 58 23.40
PCH 0.87 114 iPc 58 16.30 -0.3
iS 58 28.30
JACH 0.94 51 eP 58 16.70 -1.2
iS 58 29.80
CHCH 0.94 134 iPc 58 17.60 -0.3
iS 58 30.70
FCH 0.98 93 iPc 58 18.20 -0.6
iS 58 31.60
CACH 1.11 140 iP 58 20.80 0.0
iS 58 36.00
S.D. = 0.8 on 9 of 9 obs.

JUN 19, 1992 16h 09m 53.04± 0.61s
40.792 N ± 8.1km 52.175 E ± 8.2km
DEPTH = 33.0km (normal)
4.5mb (18 obs.)
TURKMENISTAN (340)

GRS 4.66 256 eP 11 06.00 2.9
i 11 50.00
TEH 5.08 187 ePc 11 09.00 -0.1
GRO 5.47 300 iPc 11 17.00 2.7
1.0s 110.00nm 5.3mb
eS 12 16.00
AKH 6.59 278 eP 11 30.00 -0.4
MAIO 7.28 126 iPnc 11 40.00 0.1
0.8s 16.47nm 5.1mb
eSn 12 57.00
PYA 7.48 299 iP+ 11 42.00 -0.7
1.0s 100.00nm 5.8mb X
eS 13 01.00
ARU 16.17 13 eP 13 41.00 1.8
VRI 19.16 294 ePd 14 14.00 -2.3
MLR 19.67 293 ePc 14 23.00 0.7
SPC 23.95 301 eP 15 05.00 -0.2
OJC 24.40 304 iPc 15 10.50 1.2
i 15 18.00
SRO 25.08 298 iP 15 16.50 0.7
ZST 25.92 298 eP 15 23.70 0.0
NUR 26.01 329 iP 15 25.00 0.6
KAF 26.42 333 iP 15 31.50 3.4X
KSP 26.71 304 iPd 15 31.70 0.8
BRG 28.19 304 i(P) 15 45.60 1.2
GEC2 28.21 300 P 15 43.20 -1.5
0.5s 1.47nm 4.0mb
KHC 28.30 300 eP 15 45.00 -0.4
KBA 28.44 296 iPc 15 46.90 0.0
0.5s 6.90nm 4.6mb
i 15 50.00
CLL 28.83 305 e(P) 15 50.00 -0.1
WTTA 29.60 296 iPc 15 56.60 -0.7
0.4s 9.30nm 4.8mb
MOX 29.65 303 e(P) 15 58.00 0.5
1.0s 14.00nm 4.7mb
HFS 30.58 322 eP 16 04.70 -0.9
0.4s 2.30nm 4.3mb
NB2 32.05 323 P 16 17.50 -1.1
0.6s 1.30nm 4.0mb
CDF 32.47 299 eP 16 21.40 -1.1
0.6s 2.80nm 4.3mb
HAU 33.12 298 eP 16 27.30 -0.7
0.5s 5.70nm 4.7mb
LPG 33.13 294 eP 16 27.70 -0.7
0.8s 3.10nm 4.3mb
LPL 33.14 294 eP 16 27.70 -0.8
0.5s 2.40nm 4.4mb
LBF 34.83 297 iPc 16 42.00 -0.8
0.8s 4.85nm 4.5mb
LOR 34.87 297 eP 16 42.90 -0.2
0.6s 3.25nm 4.4mb
SMF 34.97 296 eP 16 43.90 -0.1
0.6s 3.45nm 4.5mb
SSF 35.14 297 eP 16 44.70 -0.7
AVF 35.28 296 iPc 16 46.30 -0.3
0.9s 11.30nm 4.8mb
BGF 35.66 296 eP 16 49.80 0.0
MAF 35.91 296 iPc 16 52.10 0.2
0.7s 3.10nm 4.3mb
EKA 38.66 311 Pd 17 15.20 0.3
0.7s 8.10nm 4.6mb
WRA 97.08 110 P 23 34.80 11.8X
0.6s 0.40nm
S.D. = 1.1 on 36 of 38 obs.

& JUN 19, 1992 16h 45m 00.00s
37.005 N 116.010 W
DEPTH = 0.0km
SOUTHERN NEVADA (41)
<DOE>. ML 3.0 (GS). 37° 00' 19.51" N., 116° 00' 36.50" W., Surface Elev. 1206 m., Depth of Burial 244 m., Shot Time 164500.00, "VICTORIA," Nevada Test Site (Dept. of Energy).

CPY 0.09 207 iP 45 02.09 0.4
BGB 0.18 281 iPc 45 04.19 0.6
GLR 0.19 358 iPc 45 04.40 0.5
LOP 0.20 220 iPc 45 04.40 0.5
CDH1 0.29 240 iPc 45 06.00 0.3
MCY 0.34 174 iP 45 07.00 0.1
SPRG 0.35 153 iP 45 07.50 0.5
GMR 0.38 30 iPc 45 08.19 0.6
TPU 0.66 26 P 45 12.80 -0.5
EPR 0.68 76 iP 45 13.80 0.2
PRN 0.87 62 P 45 17.39 0.1
NOP 0.88 188 iP 45 16.89 -0.7
GWY 0.98 213 iP 45 19.20 -0.3
GMN 1.04 287 iP 45 20.00 -0.8
TMO 1.14 260 iP 45 22.10 -0.3
TNP 1.44 319 iPc 45 27.45 -0.1
BONR 2.06 298 ePc 45 36.32 -0.2
eS 46 05.96
ARUT 2.19 68 ePn 45 37.59 -0.8
eS 46 13.24
18 obs. associated

• JUN 19, 1992 17h 08m 26.29± 0.44s
0.784 N ± 8.5km 87.300 W ±10.4km
DEPTH = 17.5km (5 depth phases)
4.7mb (11 obs.) 4.1Msz (9 obs.)
GALAPAGOS ISLANDS REGION (696)

SDV 18.44 64 eP 12 43.00 -0.1
ARE 23.17 138 eP 13 35.00 1.6
ZOBO 25.41 133 iPc 13 55.00 -0.4
1.0s 25.50nm 4.8mb
Z 22s 0.92um 4.3Msz
S 18 28.00
LR 22 24.00
LPB 25.59 133 P 13 57.70 0.9
CNCB 25.86 133 iPc 14 00.30 0.8
PRM 33.45 7 eP 15 07.22 0.8
JSC 33.80 9 (P) 15 08.65 -0.8
OLY 34.76 354 (P) 15 19.68 1.9
GBTN 34.82 4 (P) 15 17.95 -0.4
TKL 34.85 5 eP 15 19.47 0.9
CEH 35.75 11 P 15 40.00 13.8X
Z 22s 0.31um 4.0Msz
CCM 37.27 355 P 15 50.00 11.1X
Z 19s 0.22um 4.0Msz
ACO 37.38 344 iPc 15 41.50 1.5
CVL 37.90 11 (P) 15 43.60 -0.6
ALQ 38.40 334 P 16 00.00 11.2X
Z 19s 0.37um 4.2Msz
GOL 42.10 339 eP 16 19.33 0.0
1.0s 12.59nm 4.6mb
Z 20s 0.15um 3.9Msz
(pP) 16 24.66 18km
PLM 42.66 322 eP 16 24.80 0.9
(pP) 16 29.26 15km
SRU 43.66 334 eP 16 32.20 0.2
SSK 43.75 323 (P) 16 34.28 1.5
HRV 43.88 17 P 16 40.00 6.6X
Z 19s 0.20um 4.0Msz
MSU 43.94 332 eP 16 34.82 0.5
ARUT 43.99 330 eP 16 36.01 1.4
RSNY 45.03 13 eP 16 41.06 -1.7
0.9s 11.65nm 4.8mb
Z 22s 0.33um 4.2Msz
epP 16 46.58 18km
DAU 45.05 334 (P) 16 44.14 0.8
ABL 45.11 322 (P) 16 44.87 1.0
ISA 45.21 324 (P) 16 44.16 -0.2
1.4s 10.13nm 4.6mb
DUG 45.58 332 eP 16 46.81 -0.5
1.1s 5.42nm 4.4mb
epP 16 52.46 19km
RSSD 45.65 343 P 17 00.00 12.1X
Z 21s 0.12um 3.8Msz
TNP 46.19 327 eP 16 52.40 0.1
0.8s 6.55nm 4.7mb
EEO 46.23 8 eP 16 53.50 1.3
HVU 46.83 334 eP 16 56.65 -0.6
epP 17 01.91 18km
MIM 47.12 18 eP 16 58.51 -0.7
PTI 47.54 335 (P) 17 03.19 0.3
HPI 48.53 335 (P) 17 09.92 -0.8
LMN 49.05 21 eP 17 19.50 5.2X
ITR 49.61 102 eP 17 17.40 -1.7
ULM 49.82 353 eP 17 20.00 -0.1
LRM 50.01 337 eP 17 18.30 -3.7X
SES 53.40 341 eP 17 46.00 -1.2
LON 54.80 332 (P) 17 56.41 -1.2
PNT 55.72 335 eP 18 05.00 0.9
FCC 58.06 356 eP 18 20.50 0.0
YKA 64.88 346 eP 19 04.20 -2.3
1.0s 6.60nm 4.7mb
KLU 74.83 335 eP 20 07.33 -0.1
PMR 76.25 334 P 20 20.00 4.7X
Z 21s 0.18um 4.3Msz
REF 77.42 333 eP 20 20.03 -2.1
MBC 77.52 353 eP 20 22.00 -0.2
1.0s 14.00nm 5.0mb
TTA 79.74 334 eP 20 29.92 -4.7X
1.2s 9.13nm 4.7mb
epP 20 38.30 27kmX
IMA 79.87 338 eP 20 33.62 -1.8
1.2s 7.62nm 4.6mb
SPA 90.78 180 iPc 21 29.20 -0.4
1.0s 10.00nm 5.1mb
ASPA 134.05 237 ePKP 27 43.40 -1.9
1.0s 2.60nm
WB2 135.03 242 iPKPc 27 45.70 -1.5
1.1s 2.00nm
WRA 135.04 242 PKP 27 46.20 -1.0
1.0s 1.40nm
GKN 150.35 15 PKP 28 16.00 2.3
KKN 150.71 14 PKP 28 17.20 2.9X
GUN 150.73 12 PKP 28 17.70 3.2X
DMN 150.84 14 PKP 28 17.60 3.0X
PKI 150.95 13 PKP 28 17.40 2.6
S.D. = 1.2 on 46 of 58 obs.

? JUN 19, 1992 17h 34m 05.30± 6.09s
44.903 N ±38.8km 3.249 E ±24.2km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.5 (STR).

LBL 0.33 360 Pg 34 11.97 -0.2
Sg 34 18.89
COLF 0.69 27 Pg 34 18.59 -0.4
Sg 34 31.45
PYM 0.86 349 Pg 34 21.86 -0.1
Sg 34 36.91
SSB 0.99 67 Pg 34 24.12 0.0
Sg 34 39.50
PLDF 1.10 14 Pg 34 26.64 0.7
Sg 34 43.16
AGO 1.15 356 Pg 34 26.90 0.0
Sg 34 45.06

S.D. = 0.5 on 6 of 6 obs.

& JUN 19, 1992 17h 34m 55.50s
50.487 N 129.942 W
DEPTH = 10.0km (geophysicist)
VANCOUVER ISLAND REGION (25)
<PGC-P>.

HOLB 1.16 82 Pc 35 17.81 0.5
S 35 34.35
BPBC 1.43 103 P 35 20.89 -0.6
PHC 1.61 81 P 35 24.22 0.2
S 35 45.10
EDB 1.92 108 P 35 28.24 -0.2
BBB 2.05 33 P 35 29.70 -0.7
S 35 55.50
ETB 2.46 116 P 35 35.91 -0.4
GDR 2.61 104 P 35 38.29 -0.2
S 36 11.50
CBB 2.97 97 Pc 35 44.07 0.5
BTB 3.03 108 Pc 35 44.34 -0.2
OZB 3.27 116 P 35 47.21 -0.6
MGB 3.72 112 P 35 53.71 -0.6
MCW 4.97 109 P 36 13.50 1.6
BLN 5.20 116 P 36 16.00 0.9
HDW 5.34 119 P 36 18.26 1.0
MBW 5.50 105 P 36 20.76 1.2
CMW 5.50 109 P 36 20.95 1.4
JCW 5.72 111 P 36 23.36 0.9
RPW 5.86 107 P 36 25.66 1.1
HTW 6.00 113 P 36 27.48 1.1
RMW 6.15 116 P 36 29.73 1.1
GSM 6.30 118 P 36 32.18 1.4
RVC 6.35 121 P 36 33.46 1.9
CZM 6.39 127 P 36 34.30 2.3
REMR 6.50 121 P 36 35.23 1.5
FMW 6.53 120 P 36 35.35 1.3
LON 6.56 122 P 36 35.97 1.6
TDL 6.60 126 P 36 37.31 2.3
FL2 6.63 127 P 36 37.40 1.9
NLW 6.73 107 P 36 37.53 0.7
WPW 6.73 121 P 36 38.44 1.5
MTMW 6.82 128 P 36 40.59 2.5
TWW 6.86 116 P 36 41.02 2.3
ETW 6.94 111 P 36 40.78 0.9
TBM 7.00 115 P 36 41.33 0.7
ASR 7.06 125 P 36 43.45 2.0
NAC 7.11 118 P 36 43.82 1.7
DHW2 7.11 107 P 36 42.64 0.5
WTV 7.13 109 P 36 42.76 0.4
EBG 7.16 116 P 36 44.47 1.7
SAW 7.46 108 P 36 47.40 0.4
VTG 7.47 114 P 36 47.89 0.8
EPH 7.50 111 P 36 48.31 0.8
TDH 7.55 130 P 36 50.56 2.2
BRVW 7.73 117 P 36 51.68 0.9
MDW 7.79 116 P 36 52.62 1.1
45 obs. associated

• JUN 19, 1992 18h 05m 36.35± 0.72s
34.212 N ± 8.4km 8.611 E ±10.9km
DEPTH = 33.0km (normal)
4.2mb (2 obs.)
TUNISIA (397)

ABA 5.23 301 iP 07 22.50 28.2X
PGF 8.33 2 Pn 07 41.30 3.5X
LMR 9.25 350 Pn 07 49.80 -0.7
LRG 9.39 350 Pn 07 51.80 -0.6
FRF 9.46 351 Pn 07 52.10 -1.2
SBF 9.68 355 Pn 07 52.20 -4.2X
EPF 10.92 326 Pn 08 14.90 1.5
IFR 11.44 270 eP 08 40.00 19.3X
i 08 53.00
i 10 45.00
i 11 53.00
i 12 00.00
NKM 11.59 280 eP 08 21.00 -1.5
i 08 30.50
CAF 11.83 337 Pn 08 25.60 -0.1
LFF 12.31 333 Pn 08 34.50 2.5
SMF 12.94 345 Pn 08 38.80 -1.6
AVF 13.18 344 Pn 08 38.80 -4.9X
TIO 13.78 261 eP 09 00.00 8.2X
i 12 54.00
i 13 18.00
GEC2 15.10 13 P 09 10.10 1.2

0.6s 0.80nm 3.2mb X
KHC 15.36 12 eP 09 11.00 -1.2
e 09 19.50
e 09 42.50
HFS 26.15 6 eP 11 08.00 -1.0
0.6s 1.10nm 3.6mb X
Z 17s 0.04um 3.1MszX
LR 21 03.00
KAF 30.10 17 iP 11 45.30 0.6
0.4s 2.50nm 4.4mb
KIC 30.34 207 P 11 46.80 -0.5
LIC 30.58 207 P 11 49.10 -0.2
GKN 64.00 73 P 16 10.70 1.5
DMN 64.55 73 P 16 16.10 3.2X
KKN 64.61 73 P 16 13.40 0.2
PKI 64.81 73 P 16 15.60 1.0
GUN 65.02 72 P 16 13.30 -2.7
YKA 73.45 336 eP 17 07.90 1.1
0.7s 1.50nm 4.1mb
PV10 87.49 316 P 18 24.20 1.9
S.D. = 1.4 on 20 of 27 obs.

& JUN 19, 1992 18h 34m 43.54s
58.708 N 153.592 W
DEPTH = 74.9km
KODIAK ISLAND REGION (13)
<AEIC>.

CDD 0.22 353 iP 34 54.20 -0.8
eS 35 03.41
MCNL 0.61 321 eP 34 57.39 -0.7
eS 35 08.05
AUI 0.63 8 eP 34 56.92 -1.4
eS 35 09.09
SYI 0.64 98 eP 34 57.30 -1.0
eS 35 08.31
AUP 0.66 8 eP 34 57.68 -1.0
BGM 1.09 310 eP 35 02.78 -0.9
PDB 1.13 344 eP 35 03.08 -1.1
HOM 1.38 46 eP 35 07.04 -0.5
INW 1.38 10 eP 35 06.62 -1.0
eS 35 24.55
RED 1.77 13 eP 35 11.56 -1.2
NNL 1.78 40 eP 35 12.56 -0.3
RS1 1.81 13 eP 35 12.72 -0.7
RS2 1.81 13 eP 35 12.66 -0.8
eS 35 35.36
RSO 1.81 13 eP 35 12.45 -1.0
eS 35 34.89
REF 1.84 14 eP 35 12.67 -1.2
eS 35 34.22
BKG 2.46 15 eP 35 21.48 -0.9
SLKM 2.49 42 eP 35 20.67 -2.0
SEW 2.54 55 eP 35 20.91 -2.4
CKL 2.58 14 eP 35 23.11 -0.8
eS 35 52.55
SPU 2.60 17 eP 35 23.22 -1.0
BGL 2.63 13 eP 35 24.57 -0.2
CGLM 2.73 16 eP 35 25.17 -0.8
NCG 2.80 14 eP 35 26.01 -1.0
SUA 3.11 26 eP 35 30.10 -1.3
PTE 3.16 45 eP 35 29.80 -2.2
PMS 3.25 37 P 35 31.50 -1.8
S 36 07.50
SKT 3.44 16 eP 35 34.51 -1.4
KNK 3.74 41 eP 35 37.66 -2.4
GHO 3.85 35 eP 35 38.57 -3.1
HIN 3.99 62 eP 35 40.55 -3.0
SML 4.07 38 eP 35 42.02 -2.6
VLZ 4.39 53 eP 35 46.16 -2.9
TTA 4.40 345 (P) 35 45.31 -4.1
KLU 4.75 51 eP 35 50.78 -3.5
GLB 5.61 57 eP 36 02.92 -3.4
35 obs. associated

% JUN 19, 1992 19h 51m 40.42± 0.66s
46.477 N ± 5.0km 6.904 E ± 8.4km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.5 (LDG).

LPL 0.97 187 Pg 51 59.00 0.0
Sg 52 14.50
LPG 0.98 186 Pg 51 59.10 -0.2
Sg 52 15.00
BSF 1.36 357 Pn 52 05.20 -0.3
Pg 52 06.40

Sg 52 24.10
HAU 1.58 346 Pn 52 08.40 -0.1
Pg 52 10.30
Sg 52 31.70
FEL 1.59 28 ePn 52 09.96 1.2
CDF 1.95 7 Pn 52 12.90 -1.1
Pg 52 17.20
Sg 52 42.10
LBF 2.08 285 Pn 52 15.40 -0.4
Pg 52 19.90
Sg 52 47.70
SMF 2.12 276 Pg 52 21.70 5.3X
Sg 52 49.40
LOR 2.23 292 Pn 52 18.70 0.7
Pg 52 23.60
Sg 52 52.10
SSF 2.41 285 Pg 52 26.40 5.9X
Sg 52 58.50
AVF 2.47 279 Pn 52 21.50 0.2
S.D. = 0.7 on 9 of 11 obs.

• JUN 19, 1992 20h 00m 33.81± 3.37s
32.081 S ±16.0km 71.797 W ±27.3km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)

ROCH 1.11 143 (P) 00 53.40 0.1
iS 01 08.10
JACH 1.18 121 iP 00 53.80 -0.4
iS 01 08.70
PEL 1.42 139 iP 00 57.50 0.0
iS 01 14.60
TACH 1.73 155 iP 01 02.20 0.2
iS 01 23.80
FCH 1.78 135 iP 01 02.80 -0.2
iS 01 24.20
PCH 1.88 145 iPd 01 04.00 -0.3
iS 01 26.70
LNV 1.90 170 iPc 01 03.80 -0.6
RTBS 2.04 79 iPc 01 06.80 0.4
S 01 33.40
CHCH 2.08 153 iP 01 07.20 0.0
iS 01 33.20
CACH 2.27 154 iP 01 10.80 1.0
iS 01 38.30
RTCB 2.62 78 iPc 01 14.60 -0.2
S.D. = 0.5 on 11 of 11 obs.

JUN 19, 1992 20h 35m 09.79± 0.38s
16.414 N ± 5.4km 122.520 E ± 6.8km
DEPTH = 33.0km (normal)
4.7mb (24 obs.) 4.5Msz (4 obs.)
LUZON, PHILIPPINE ISLANDS (249)

BCP 1.83 270 eP 35 41.00 1.5
eS 36 05.00
QVP 2.30 220 iPd 35 47.00 0.8
iS 36 15.00
PIP 2.63 317 eP 35 52.50 1.7
TGY 2.76 214 ePd 35 54.00 1.3
eS 36 15.50
PGP 3.27 208 iPd 36 07.00 7.1X
iS 36 28.00
PLP 5.74 155 ePc 36 35.80 0.9
eS 36 53.30
BIP 8.92 155 eP 37 19.50 0.1
GZH 10.89 309 eP 37 44.00 -2.5
QIZ 12.36 284 iP 38 04.70 -1.6
N 17s 1.17um
E 17s 1.61um
S 40 20.00
NJ2 15.92 349 Pc 38 54.20 1.2
N 10s 0.50um
E 11s 0.49um
WHN 15.93 333 eP 38 55.50 2.4
Z 18s 1.21um 4.0Msz
N 18s 1.35um
E 15s 0.73um
GYA 17.81 307 P 39 18.00 1.0
Z 18s 2.50um 4.0Msz
N 15s 1.11um
E 15s 0.91um
pP 39 25.00
LOE 19.92 276 eP 39 40.00 -1.7
TIA 20.29 347 eP 39 45.30 -0.3
Z 15s 0.69um 4.1MszX
E 11s 0.50um

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19d  20h

              eS      43 31.00
KMI    20.40 298 eP     39 48.00   0.9
       1.9s   120.00nm          4.9mb
     Z  16s     1.80um          4.5MszX
     N  13s     1.30um
     E  13s     1.10um
XAN    21.39 328 Pc     39 56.60  -0.3
       1.0s    75.00nm          5.1mb
     N  18s     1.10um
     E  16s     1.17um
              S       43 54.00
GUMO   21.76  94 e(P)   40 01.80   1.1
GUA    21.82  95 e(P)   39 45.30 -15.9X
CD2    22.39 313 eP     40 06.80  -0.1
       1.0s    37.00nm          4.8mb
     Z  18s     1.64um          4.5Msz
     N  15s     1.45um
              S       44 08.00
DL2    22.42 358 eP     40 09.00   2.0
     Z  16s     0.58um          4.1MszX
     E  12s     0.54um
CHG    22.59 280 eP     40 10.00   1.1
TIY    23.01 339 eP     40 14.00   1.1
     Z  20s     1.12um          4.3Msz
     N  20s     1.55um
IPM    24.15 243 ePc    40 23.70  -0.4
       0.8s    22.90nm          4.8mb
BJI    24.18 348 eP     40 25.00   0.9
       1.2s    33.00nm          4.8mb
     Z  16s     0.47um          4.1MszX
     N  12s     0.31um
MAT    24.41  32 (P)    40 32.00   5.6X
              eS      43 52.00
SNY    25.34   2 eP     40 35.40   0.2
     Z  14s     0.71um          4.3MszX
     E  20s     1.48um
              pP      40 41.00  20kmX
LZH    25.69 323 eP     40 38.00  -0.8
       2.0s    39.00nm          4.7mb
     Z  16s     0.78um          4.3MszX
     N  13s     0.59um
              pP      40 45.00  25kmX
              sS      45 20.00
HHC    26.13 341 P      40 43.20   0.4
       1.2s    19.00nm          4.6mb
     Z  20s     1.25um          4.4Msz
     N  13s     0.46um
              pP      40 51.00  28kmX
              sS      45 27.00
BTO    26.42 338 eP     40 44.00  -1.5
     N  16s     0.96um
     E  16s     0.42um
MDJ    28.74  11 eP     41 03.50  -2.8
GTA    30.29 324 eP     41 19.50  -0.9
     Z  18s     1.37um          4.6Msz
     E  13s     0.52um
LSA    31.63 300 P      41 36.50   3.8X
YSS    34.80  24 (P)    42 04.60   5.2X
GUN    35.68 295 P      42 03.30  -4.3X
PKI    36.03 294 P      42 13.00   2.5
KKN    36.18 295 P      42 13.20   1.5
DMN    36.30 294 P      42 14.00   1.3
GKN    36.78 295 P      42 12.40  -4.2X
ZAK    37.26 340 eP     42 20.00  -0.1
       1.5s     7.00nm          4.3mb
     Z  12s     0.19um          4.1MszX
     N  13s     0.19um
     E  13s     0.19um
              e       52 34.00
WB2    37.95 162 iPc    42 25.30  -1.0
       1.2s    16.20nm          4.8mb
MOY    39.14 339 eP     42 36.00   0.1
WMO    40.18 320 P      42 44.00  -0.7
       1.0s     7.00nm          4.4mb
     Z  13s     0.79um          4.7MszX
              pP      42 52.80  30kmX
              PP      44 19.00
QIS    40.39 155 iPc    42 45.00  -1.5
ASPA   41.36 164 iPc    42 54.20  -0.3
       1.0s     9.10nm          4.5mb
KSH    46.46 309 eP     43 37.50   1.8
     Z  16s     1.06um          4.9MszX
              eS      50 23.00
GAR    50.63 307 eP     44 06.70  -1.3
NRI    57.12 346 eP     44 52.60  -2.6
       1.6s    17.00nm          4.8mb
MAIO   58.86 303 eP     45 07.00  -1.0

ASH    59.83 305 eP     45 14.40  -0.2
SVE    61.10 326 eP     45 22.00  -0.8
       2.0s    40.00nm          5.2mb
     Z  14s     0.50um          4.8MszX
     N  14s     0.20um
     E  14s     0.40um
              e       46 07.10
ARU    62.10 326 eP     45 28.00  -1.6
     Z  14s     0.40um          4.7MszX
     E  14s     0.40um
              e       45 34.50
              e       46 02.00
ILT    63.37  21 eP     45 40.00   2.2
TTA    71.65  28 eP     46 30.86   0.9
       0.8s     4.16nm          4.5mb
IMA    72.62  25 eP     46 35.75   0.0
       1.0s     5.21nm          4.5mb
REF    73.31  31 eP     46 46.01   6.1X
OBN    74.39 323 eP     46 45.00  -1.1
       1.8s    36.00nm          5.1mb
     Z  16s     0.20um          4.5MszX
PMR    74.94  30 (P)    46 51.66   2.6
       0.5s     5.44nm          4.8mb
KAF    78.52 332 iP     47 08.10  -1.0
       0.5s     5.50nm          4.8mb
NUR    79.69 330 iP     47 14.90  -0.5
       0.5s     2.40nm          4.4mb
MBC    80.54  12 eP     47 20.50   0.7
       1.0s     5.00nm          4.5mb
UPP    83.23 331 iP     47 33.80  -0.2
HFS    84.94 332 eP     47 41.70  -1.0
       0.5s     2.70nm          4.7mb
     Z  16s     0.21um          4.6MszX
              LR      23 57.00
OJC    85.44 321 eP     47 45.40   0.0
NB2    85.66 333 P      47 45.10  -1.2
       0.7s     5.90nm          4.9mb
VAY    86.57 312 eP     47 49.70  -1.4
KSP    87.30 322 eP     47 54.30  -0.2
YKA    89.61  23 eP     48 14.10   8.8X
       0.6s     1.20nm          4.4mb
GEC2   89.64 321 PKP    48 04.20  -1.6
       0.9s     0.70nm          4.0mb
    S.D. = 1.4  on  59 of  68 obs.
-----------------------------------------
*  JUN 19, 1992  20h 40m 38.19± 0.69s
   27.719 N ±12.0km  127.807 E ±13.3km
   DEPTH =  33.0km  (normal)
   4.2mb (  5 obs.)
 RYUKYU ISLANDS                    (238)

TATO    6.29 246 P      42 10.90  -0.2
       0.8s    99.56nm          5.6mb X
SSE     6.68 302 eP     42 25.50   8.9X
CHG    27.90 258 eP     46 26.70  -0.6
WRA    47.80 172 P      49 14.90   0.4
       0.7s     1.10nm          4.0mb
MBC    68.48  14 eP     51 38.00  -0.7
KAF    71.02 331 eP     51 55.00   0.6
NUR    72.41 330 eP     52 03.10   0.4
HFS    77.33 332 eP     52 30.70  -0.2
       0.7s     3.70nm          4.5mb
YKA    77.34  25 eP     52 30.20  -0.7
       0.6s     1.50nm          4.2mb
NB2    77.82 334 P      52 33.00  -0.6
       0.7s     4.90nm          4.6mb
OJC    79.72 322 eP     52 45.30   1.2
GEC2   83.79 323 P      53 05.90   0.4
       0.6s     0.56nm          3.9mb
    S.D. = 0.7  on  11 of  12 obs.
-----------------------------------------
&  JUN 19, 1992   20h 42m 22.40s
   34.000 N           116.317 W
   DEPTH =   5.8km
 SOUTHERN CALIFORNIA               ( 43)
      &lt;PAS-P&gt;. MD 3.2 (PAS). ML 3.4
      (GS). Felt (III) at Morango
      Valley.

PEC     0.71 261 iPc    42 35.45  -1.2
                 iS     42 44.73
PLM     0.79 215 eP     42 36.95  -1.3
                 iS     42 48.28
SSK     1.16 281 iPc    42 43.51  -1.1
                 iS     43 01.11
GLA     1.56 127 ePn    42 47.88  -2.9
ISA     2.43 314 ePn    43 01.24  -2.1

                 eS     43 38.06
ABL     2.55 290 ePn    43 03.16  -2.0
BCH     3.32 292 ePn    43 13.76  -2.4
PHAM    3.82 300 eP     43 21.78  -1.3
TNP     4.14 350 ePn    43 26.42  -1.3
BONR    4.26 338 eP     43 28.47  -1.1
ARUT    4.44  31 (P)    43 28.97  -3.1
MSU     5.61  35 ePn    43 49.84   1.2
      12 obs. associated
-----------------------------------------
   JUN 19, 1992  20h 49m 39.79± 0.91s
   37.201 N ± 8.9km   20.933 E ± 7.3km
   DEPTH =  10.0km  (geophysicist)
 IONIAN SEA                        (399)
      MD 3.4 (ATH).

VLS     1.01 344 ePb    49 58.50  -0.4
VLI     1.68 106 ePb    50 09.20  -0.1
KZN     3.17  12 ePn    50 30.00  -0.7
OHR     3.91 359 ePn    50 41.50   0.3
SOI     3.97 284 P      50 42.50   0.5
                 eSn    51 27.90
VAY     4.31  17 ePn    50 47.50   0.7
SKO     4.78   5 ePn    50 59.00   5.4X
MEU     4.80 271 P      50 53.50  -0.4
                 eSn    51 48.10
    S.D. = 0.7  on   7 of   8 obs.
-----------------------------------------
*  JUN 19, 1992  22h 12m 45.35± 2.67s
   38.715 S ± 7.4km  178.946 E ±26.9km
   DEPTH =  33.0km  (normal)
   3.8mb (  3 obs.)
 OFF E. COAST OF N. ISLAND, N.Z. (160)
      ML 4.0 (WEL).

NOZ     0.72 277 P      13 00.00   1.0
PUZ     0.84 320 Pc     12 59.20  -1.6
TAZ     1.97 283 eP     13 17.40   0.3
PGZ     2.81 226 eP     13 30.40   1.6
KUZ     3.22 307 eP     13 32.60  -2.2
MOZ     3.25 272 eP     13 36.10   0.9
MNG     3.28 233 eP     13 35.80   0.2
                 eS     14 14.10
MTW     3.60 226 eP     13 39.80  -0.4
BLW     3.76 224 P      13 42.40   0.0
KIW     3.78 234 P      13 43.00   0.3
CAW     3.82 230 P      13 43.50   0.2
MOW     3.92 225 eP     13 43.80  -0.9
MRW     4.12 231 eP     13 46.60  -0.9
                 eS     14 32.60
TCW     4.37 234 eP     13 50.30  -0.8
DIW     4.40 240 eP     13 51.80   0.2
MQZ     6.88 222 eP     14 24.40  -2.1
                 eS     15 37.50
ASPA   40.94 278 eP     20 27.70   1.3
       0.8s     4.30nm          4.2mb
WB2    42.67 283 eP     20 41.90   1.3
       0.9s     1.60nm          3.7mb
WRA    42.68 283 P      20 42.20   1.5
       0.6s     0.70nm          3.6mb
    S.D. = 1.2  on  19 of  19 obs.
-----------------------------------------
*  JUN 19, 1992  23h 02m 35.42± 0.78s
   32.212 N ±18.5km   72.089 E ± 8.6km
   DEPTH =  33.0km  (normal)
   3.9mb (  2 obs.)
 PAKISTAN                          (710)

QUE     4.84 247 eP     03 48.00  -0.1
GKN    11.64 108 P      05 24.00   1.5
DMN    12.19 109 P      05 30.20   0.3
KKN    12.25 108 P      05 31.00   0.3
PKI    12.45 108 P      05 33.20  -0.2
GUN    12.69 106 P      05 34.60  -2.1
HFS    47.03 324 eP     11 05.90   0.7
       0.5s     0.60nm          3.8mb
NB2    48.38 325 P      11 15.20  -0.6
       0.7s     1.00nm          4.0mb
WRA    78.96 122 P      14 52.50  14.8X
       0.6s     0.50nm
    S.D. = 1.2  on   8 of   9 obs.
-----------------------------------------
%  JUN 19, 1992  23h 22m 07.06± 0.80s
   43.862 N ±11.6km   10.890 E ± 5.5km
   DEPTH =  10.0km  (geophysicist)
 CENTRAL ITALY                     (381)
```

BDI	0.29	314	P	22 13.00	-0.2
			Sn	22 19.00	
PII	0.30	242	Pc	22 13.50	0.2
			eSg	22 17.60	
PGD	0.60	88	P	22 20.00	0.7
			eSg	22 29.00	
SFI	0.70	85	P	22 20.90	0.1
			eSg	22 31.50	
CRE	0.80	107	P	22 22.00	-0.7

S.D. = 0.7 on 5 of 5 obs.

? JUN 19, 1992 23h 31m 41.52± 2.73s
46.883 N ±37.6km 154.639 E ±40.6km
DEPTH = 33.0km (normal)
4.4mb (5 obs.)
EAST OF KURIL ISLANDS (222)

KUSJ	7.99	245	eP	33 36.00	-2.1
			eS	35 02.70	
ASAJ	8.87	256	eP	33 51.90	1.6
MAT	16.01	236	eP	35 26.00	0.3
	1.0s	5.00nm			3.6mb
LZH	38.93	273	eP	39 06.00	0.0
	1.0s	16.00nm			4.7mb
			pP	39 10.50	15kmX
CHTO	53.17	258	(P)	41 00.50	1.9
GUN	56.03	276	P	41 18.80	-1.0
KKN	56.52	276	P	41 23.10	0.0
PKI	56.57	276	P	41 23.10	-0.5
DMN	56.75	276	P	41 24.80	-0.1
GKN	56.82	277	P	41 25.20	0.0
HFS	68.69	340	eP	42 43.20	-0.1
	0.6s	7.70nm			5.0mb
CLL	76.77	336	eP	43 32.00	1.1
	1.1s	8.00nm			4.7mb
			e	43 46.00	
KHC	78.57	335	eP	43 40.50	-0.5
			e	43 55.50	
GEC2	78.79	335	P	43 41.70	-0.6
	0.7s	0.59nm			3.7mb

S.D. = 1.1 on 14 of 14 obs.

JUN 20, 1992 00h 39m 16.51± 0.30s
44.367 N ± 3.1km 17.403 E ± 3.4km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 3.9 (ZAG), 3.6 (TTG), 3.5
(VIE), 3.4 (TIR). MD 3.9 (TRI).

HVAR	1.38	211	iPnc	39 40.30	-1.4
			iSn	40 00.80	
BRY	1.68	150	iPgd	39 45.58	-0.7
			iSg	40 09.49	
ZAG	1.76	326	ePnd	39 48.20	0.9
			iSn	40 13.60	
PLE	1.77	125	iPnc	39 47.33	-0.2
			iSn	40 11.61	
PTJ	1.84	327	iPnc	39 48.40	-0.1
VBY	1.90	307	ePn	39 50.80	1.5
			iSn	40 18.70	
			iSg	40 23.10	
NKY	1.94	143	iPnc	39 50.22	0.3
			iSn	40 16.03	
HCY	2.08	157	iPnc	39 52.84	1.0
			iSn	40 19.61	
BEO	2.23	77	ePn	39 56.50	2.5
	1.0s	0.20nm			
			iSn	40 25.50	
BDV	2.33	153	iPnc	39 56.21	0.7
			iSn	40 25.58	
IVA	2.35	129	iPnd	39 56.63	0.8
			iSn	40 25.72	
RIY	2.36	296	ePn	39 57.50	1.7
TTG	2.36	144	iPnc	39 56.69	0.8
			iSn	40 26.43	
CEY	2.52	304	ePnd	39 59.30	1.2
			eSn	40 34.90	
PVY	2.58	133	iPnc	39 59.32	0.2
			iSn	40 31.47	
LJU	2.63	311	ePn	40 02.00	2.2
			i	40 05.00	
			e(Sn)	40 38.00	
ULC	2.76	150	iPnc	40 02.23	0.7
			iSn	40 35.74	
SDA	2.81	146	ePn	40 03.90	1.7
			iSn	40 39.00	
TRI	2.91	299	ePn	40 04.60	1.0
			iPg	40 10.00	
			iSg	40 50.00	
VOY	2.99	305	ePn	40 06.40	1.5
			eSn	40 48.20	
SSR	3.14	79	ePd	40 37.00	30.1X
KKS	3.17	135	ePn	40 10.00	2.6
LACI	3.21	147	ePn	40 08.10	0.2
BAI	3.27	187	P	40 07.00	-1.8
ARV	3.34	256	P	40 11.00	1.2
DUI	3.46	220	P	40 13.10	1.5
BRT	3.49	182	P	40 10.70	-1.2
			eSn	40 50.10	
SRO	3.50	10	iPnd	40 10.90	-1.2
			i	40 47.10	
			i(Sn)	40 50.70	
			i	41 11.50	
			Lg	41 20.00	
TIR	3.52	148	iPnd	40 12.50	0.2
			iSn	41 07.50	
AQU	3.54	237	P	40 14.80	2.1
ASS	3.67	251	P	40 14.80	0.2
SDI	3.74	226	P	40 15.80	0.2
AZI	3.75	232	P	40 16.30	0.7
SKO	3.80	128	iPn	40 15.00	-1.4
			i	40 26.50	
			i	41 24.20	
ZST	3.84	357	iPn	40 16.20	-0.6
			i	40 23.70	
			i(Sn)	41 01.90	
			Lg	41 28.50	
VVI	3.87	296	P	40 18.50	1.1
KBA	3.93	315	iPnc	40 19.80	1.5
			iPg	40 34.70	
			iSn	41 05.30	
			iSg	41 25.60	
FVI	3.94	306	P	40 20.50	2.2
PSZ	3.95	25	ePnd	40 16.40	-2.1
RFI	3.96	221	P	40 20.69	2.1
VKA	3.97	349	iPnc	40 18.30	-0.4
			iSn	41 04.10	
MNS	3.97	242	P	40 19.00	0.2
CRE	4.00	261	P	40 21.20	1.9
SFI	4.02	266	P	40 20.70	1.3
OHR	4.10	141	iPn	40 21.20	0.5
SGO	4.11	203	P	40 20.40	-0.3
PGD	4.12	265	P	40 23.00	2.0
VLO	4.19	158	ePn	40 33.50	11.6X
RDP	4.31	234	P	40 23.00	-0.7
ORI	4.36	190	P	40 24.10	-0.2
CTI	4.40	294	P	40 25.70	0.8
MGR	4.44	199	P	40 25.10	-0.4
TPE	4.50	154	ePn	40 26.20	-0.1
BHG	4.60	318	ePn	40 31.20	3.5X
CSI	4.66	191	P	40 27.60	-1.0
TDS	4.77	190	P	40 29.80	-0.4
ROI	4.83	188	P	40 29.80	-1.3
LSK	4.84	150	ePn	40 29.90	-1.2
VAY	4.87	127	iPnd	40 29.80	-1.7
BDI	4.90	269	P	40 31.00	-1.1
WTTA	4.96	308	iPnc	40 33.90	0.9
			i	40 34.90	
			iSn	41 29.00	
PII	5.00	265	P	40 33.20	-0.1
SAL	5.03	287	P	40 35.00	1.2
WATA	5.04	308	iPnc	40 35.50	1.5
OGA	5.13	301	eP	40 37.30	2.0
SOTA	5.19	306	iPnc	40 37.20	1.1
SPC	5.20	21	eP	40 35.30	-1.1
MOTA	5.31	306	iPnc	40 38.80	0.8
KHC	5.44	332	Pn	40 39.00	-0.6
			e	40 48.90	
			e	40 54.50	
			eSg	41 39.50	
GRI	5.59	188	P	40 41.70	-0.1
FUR	5.70	314	eP	40 43.00	-0.2
WET	5.70	329	iPc	40 46.00	2.7X
			e	40 51.20	
PRU	5.95	342	eP	40 46.00	-0.7
			Pg	40 53.50	
			e	41 43.30	
			eSg	42 06.00	
SOI	6.37	190	P	40 51.80	-0.9
PGF	6.38	256	Pn	40 51.80	-1.2
GRF	6.80	324	ePn	40 56.30	-2.4
			ePg	41 16.50	
			e(Sn)	42 10.90	
ORO	6.80	284	P	40 58.00	-0.8
BRG	6.92	341	e(P)	41 03.00	2.7X
SBF	7.19	269	Pn	41 01.80	-2.5
FEL	7.41	302	ePn	41 05.33	-2.0
CLL	7.55	339	e(Pg)	41 42.00	32.8X
			eSn	42 30.00	
			eSg	43 24.00	
LPG	7.64	282	Pn	41 09.60	-1.2
			Sn	42 37.30	
LPL	7.66	282	Pn	41 09.80	-1.2
			Sn	42 38.80	
FRF	7.80	268	Pn	41 10.30	-2.5
LMR	7.94	266	Pn	41 12.40	-2.3
LRG	8.03	267	Pn	41 15.30	-0.6
CDF	8.08	304	Pn	41 13.50	-3.3X
BSF	8.15	299	Pn	41 15.10	-2.6
HAU	8.49	299	Pn	41 20.60	-1.8
LOR	9.89	292	Pn	41 40.50	-1.2
SSF	10.09	290	Pn	41 43.10	-1.3
BGF	10.46	287	Pn	41 48.00	-1.5

S.D. = 1.4 on 85 of 92 obs.

? JUN 20, 1992 01h 11m 37.65± 3.40s
33.787 S ±40.5km 179.828 E ±28.9km
DEPTH = 296.1 ± 33.7 km
SOUTH OF KERMADEC ISLANDS (179)

PUZ	4.46	196	eP	12 49.00	-0.3
URZ	4.98	205	eP	12 54.10	-1.1
			eS	14 13.50	
NOZ	5.03	196	eP	12 57.50	1.6
MNG	7.65	206	eP	13 27.90	0.4
KIW	8.08	208	eP	13 32.60	-0.2
CAW	8.23	206	eP	13 34.00	-0.7
MRW	8.47	207	eP	13 37.50	-0.1
KHZ	9.94	208	eP	13 56.20	0.4
WRA	42.53	277	P	19 06.70	0.4
	0.6s	0.70nm			3.1mb
KAF	147.04	337	ePKP	30 38.80	-4.7X
NUR	148.76	336	ePKP	30 44.60	-1.7
NB2	151.75	348	PKP	30 50.90	0.0
	0.6s	0.80nm			
HFS	152.11	345	ePKP	30 52.70	1.3
	0.5s	0.80nm			

S.D. = 1.1 on 12 of 13 obs.

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* JUN 20, 1992 01h 12m 13.81± 1.79s
51.636 N ±12.7km 7.719 E ±15.7km
DEPTH = 10.0km (geophysicist)
GERMANY (543)

WTS	0.67	303	ePg	12 27.00	-0.1
	0.6s	9.00nm			
ENN	1.43	233	ePn	12 40.00	0.3
	0.5s	7.00nm			
			eSn	12 57.50	
MEM	1.49	227	iPd	12 40.56	0.0
			iS	12 59.34	
ABH	1.76	184	ePn	12 44.12	-0.5
RUP	1.98	192	ePn	12 47.73	-0.1
TOD	2.15	161	ePn	12 50.49	0.3

S.D. = 0.4 on 6 of 6 obs.

& JUN 20, 1992 02h 01m 21.11s
61.806 N 151.783 W
DEPTH = 105.8km
SOUTHERN ALASKA (2)
<AEIC>.

SKT	0.21	34	iP	01 35.48	0.9
			eS	01 46.96	
NCG	0.44	204	iP	01 36.82	-0.7
			eS	01 49.33	
CGLM	0.51	192	iP	01 37.13	-0.8
CRP	0.57	198	eP	01 37.22	-1.2
			eS	01 49.97	
CPKM	0.59	202	eP	01 37.59	-1.0
			iS	01 51.25	
SUA	0.60	124	iP	01 38.58	-0.1
			eS	01 51.63	
CKN	0.61	198	eP	01 38.30	-0.4
BGL	0.62	208	eP	01 38.28	-0.5
SPU	0.64	192	eP	01 38.01	-0.9
			eS	01 51.47	
CKL	0.67	204	eP	01 38.47	-0.7
BKG	0.77	198	eP	01 39.29	-0.8
			eS	01 54.42	
PWA	0.92	99	P	01 40.90	-0.5

20d 02h

```
CUT     0.93  49 iP    01 40.62  -0.9
PMS     1.20 117 P     01 43.50  -1.1
PMR     1.28  98 iPc   01 43.41  -2.0
                 eS    02 02.16
GHO     1.36  90 eP    01 45.25  -1.2
REF     1.39 199 iP    01 46.38  -0.6
RS2     1.43 200 eP    01 46.81  -0.6
RSO     1.43 200 eP    01 46.81  -0.6
RS1     1.43 200 eP    01 46.87  -0.6
RED     1.47 199 eP    01 47.16  -0.7
SLKM    1.51 149 eP    01 47.42  -0.8
HUR     1.54  39 eP    01 47.98  -0.6
PTE     1.63 124 eP    01 48.32  -1.3
KNK     1.64 102 iP    01 48.20  -1.6
                 eS    02 10.52
SML     1.64  88 eP    01 48.13  -1.7
TRF     1.79  22 eP    01 50.45  -1.4
KTH     1.80  12 iP    01 50.38  -1.5
SVW     1.97 251 eP    01 51.74  -2.4
                 iS    02 16.96
SEW     2.05 145 eP    01 53.95  -1.1
RND     2.10  39 eP    01 54.65  -1.2
PDB     2.34 211 eP    01 58.30  -0.6
VLZ     2.70 102 eP    02 00.85  -2.8
KLU     2.82  94 eP    02 02.49  -2.8
SDG     3.02  73 eP    02 07.04  -0.9
PAX     3.16  66 eP    02 08.45  -1.6
     36 obs. associated
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? JUN 20, 1992  02h 29m 49.75± 1.84s
  52.440 N ±35.6km  169.406 W ±19.2km
  DEPTH =  33.0km  (normal)
  4.5mb ( 6 obs.)
 FOX ISLANDS, ALEUTIAN ISLANDS    ( 9)

ADK     4.52 266 eP    30 57.38  -0.2
SLKM   13.29  45 eP    32 57.73  -0.7
KLU    15.60  45 eP    33 26.04  -2.6
IMA    15.78  24 eP    33 31.85   0.9
YKA    30.21  49 eP    36 01.40   2.5
     0.6s     1.00nm          3.8mb
MBC    30.48  21 eP    36 02.00   0.9
SSE    53.77 275 eP    39 11.00   0.1
KAF    65.12 352 iP    40 28.80   0.0
NUR    66.84 352 iP    40 40.10   0.3
     0.6s     5.60nm          4.8mb
NB2    66.87 360 P     40 40.00  -0.1
     0.6s     3.00nm          4.6mb
HFS    67.75 358 eP    40 44.90  -0.7
     0.5s     3.30nm          4.7mb
GUN    76.67 298 P     41 39.40   0.0
     0.6s    13.00nm          5.1mb
BRG    77.02 358 e(P)  41 56.40  15.9X
KKN    77.09 299 P     41 41.20  -0.3
PKI    77.19 299 P     41 41.80  -0.4
GKN    77.26 299 P     41 42.30  -0.1
DMN    77.32 299 P     41 42.80  -0.1
GEC2   79.06 358 P     41 52.30   0.5
     0.7s     0.75nm          3.8mb
SLR   150.17 327 iPKPd 49 39.40   6.1X
     0.7s    13.70nm
   S.D. = 1.1  on  17 of  19 obs.
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  JUN 20, 1992  02h 32m 08.98± 0.32s
  43.563 N ± 2.7km    0.578 W ± 4.4km
  DEPTH =  10.0km  (geophysicist)
 PYRENEES                        (378)
     ML 4.1 (LDG). mbLg 3.5 (MDD).
     Felt (IV) in the Lacq oilfield
     area, France.

OGE     0.40 169 Pg    32 17.12  -0.1
MADF    0.45 203 Pg    32 18.33   0.1
                 Sg    32 24.42
ESCF    0.48 180 Pg    32 18.81   0.0
                 Sg    32 24.85
ATE     0.48 191 Pg    32 18.75  -0.1
                 Sg    32 25.18
ELYF    0.49 218 Pg    32 19.71   0.7
JAU     0.55 164 Pg    32 19.61  -0.5
BOH     0.56 215 Pg    32 20.21  -0.2
ISSF    0.56 197 Pg    32 20.06  -0.3
LHE     0.65 183 Pg    32 21.45  -0.6
EPF     0.86 128 Pg    32 27.10   1.6
                 Sg    32 38.50
EGRA    1.38 172 iPnd  32 37.16   2.9
                 eSn   32 55.40
LFF     1.67  34 Pn    32 40.70   2.3
                 Pg    32 44.40
                 Sg    33 07.90
LPO     1.69  48 Pn    32 40.80   2.1
                 Pg    32 44.40
                 Sg    33 08.50
ECRI    1.71 237 iPnd  32 40.00   1.0
                 eSn   33 00.90
RJF     2.30  40 Pn    32 48.50   1.0
                 Pg    32 55.30
                 Sg    33 25.80
CAF     2.34  53 Pn    32 49.40   1.3
                 Pg    32 56.60
                 Sg    33 28.20
ETER    2.82 115 ePn   32 55.42   0.5
                 eSn   33 28.80
EBR     2.85 163 ePn   33 02.50   7.1X
                 eSg   33 40.00
ETOR    2.95 202 iPnd  32 56.96   0.1
                 eSn   33 30.20
MFF     3.05   6 Pn    32 59.30   1.1
                 Pg    33 10.50
                 Sg    33 51.00
LSF     3.08  28 Pn    32 59.00   0.5
                 Sn    33 36.00
                 Sg    33 51.00
TCF     3.37  35 Pn    33 02.70   0.0
                 Pg    33 15.90
                 Sg    34 00.80
MAF     3.47  39 Pn    33 03.90  -0.2
                 Pg    33 17.90
                 Sg    34 02.40
BGF     3.85  38 Pn    33 09.30  -0.3
                 Pg    33 24.80
                 Sg    34 14.20
GUD     3.95 224 iPnd  33 10.26  -0.8
                 eSn   33 54.00
ECHE    3.98 184 iPnd  33 10.27  -1.1
                 eSn   33 55.70
AVF     4.26  39 Pn    33 14.90  -0.4
                 Pg    33 32.00
                 Sg    34 26.60
SMF     4.39  44 Pn    33 16.60  -0.6
                 Sg    34 32.00
LPF     4.48 356 Pn    33 18.50   0.1
                 Pg    33 36.40
                 Sn    34 08.30
                 Sg    34 39.90
SSF     4.53  38 Pn    33 18.30  -0.9
                 Pg    33 37.80
                 Sn    34 10.50
                 Sg    34 35.10
CDR     4.61  86 e(Pn) 33 19.30  -1.0
                 e     33 30.10
                 e     34 07.60
                 e     34 09.30
LBF     4.69  42 Pn    33 20.70  -0.9
                 Pg    33 39.70
                 Sg    34 41.70
GRR     4.83 358 Pn    33 23.40   0.0
                 Pg    33 43.20
                 Sn    34 17.10
LOR     4.85  39 Pn    33 22.60  -1.1
                 Pg    33 42.70
                 Sg    34 46.60
LDF     5.04   3 Pn    33 25.60  -0.8
                 Pg    33 48.50
                 Sg    34 51.60
LRG     5.05  89 Pn    33 26.60   0.1
                 Pg    33 45.70
                 Sn    34 22.20
EVIA    5.13 197 iPnd  33 26.61  -1.2
                 eSn   34 23.10
LMR     5.17  90 Pn    33 27.50  -0.7
FLN     5.20   1 Pn    33 28.20  -0.4
                 Sg    34 57.80
FRF     5.25  88 Pn    33 29.20  -0.2
                 Pg    33 50.00
BNI     5.41  72 P     33 55.00  23.1X
                 eSn   34 20.00
LPL     5.58  67 Pn    33 34.60   0.3
LPG     5.59  67 Pn    33 35.40   1.0
DOI     5.72  78 P     33 47.00  10.9X
                 eSn   34 07.00
SBF     5.82  84 Pn    33 33.20  -4.2X
ORO     6.45  68 P     33 50.00   3.6X
HAU     6.57  45 Pn    33 44.70  -3.3X
                 Sg    35 44.00
BSF     6.70  48 Pn    33 45.90  -4.0X
                 Sg    35 46.30
PGF     7.09  95 Pn    33 52.70  -2.7
                 Sn    35 09.90
DOU     7.43  27 iP    33 58.90  -1.1
                 iS    35 23.60
SNF     7.70  24 iP    34 03.10  -0.7
   S.D. = 1.1  on  44 of  51 obs.
```

```
  JUN 20, 1992  02h 38m 48.22± 0.46s
  43.559 N ± 3.4km    0.621 W ± 7.0km
  DEPTH =  10.0km  (geophysicist)
 PYRENEES                        (378)
     ML 2.9 (LDG).

OGE     0.41 165 Pg    38 56.15  -0.4
MADF    0.44 199 Pg    38 57.06  -0.1
                 Sg    39 03.47
ATE     0.48 187 Pg    38 57.90   0.0
                 Sg    39 03.79
ESCF    0.48 176 Pg    38 58.10   0.1
                 Sg    39 03.71
BOH     0.54 212 Pg    38 59.07  -0.1
ISSF    0.55 194 Pg    38 59.48   0.2
                 Sg    39 06.46
EPF     0.88 127 Pg    39 05.50   0.4
                 Sg    39 17.30
LFF     1.69  35 Pg    39 23.30   5.4X
                 Sg    39 46.40
LPO     1.72  49 Pg    39 23.20   4.8X
                 Sg    39 46.20
RJF     2.32  41 Pn    39 27.50   0.4
                 Pg    39 34.30
                 Sg    40 04.80
CAF     2.36  54 Pn    39 28.30   0.6
                 Pg    39 37.00
MFF     3.06   6 Pn    39 38.10   0.6
                 Pg    39 48.40
                 Sg    40 29.00
LSF     3.09  29 Pn    39 38.20   0.2
                 Sg    40 30.40
TCF     3.39  35 Pn    39 41.70  -0.5
MAF     3.50  39 Pn    39 43.00  -0.7
                 Sg    40 42.40
BGF     3.88  38 Pn    39 48.40  -0.7
                 Pg    40 03.40
                 Sg    40 52.10
   S.D. = 0.5  on  14 of  16 obs.
```

```
  JUN 20, 1992  02h 58m 49.21± 0.35s
  44.723 N ± 2.5km    6.942 E ± 4.6km
  DEPTH =  10.0km  (geophysicist)
 FRANCE                          (538)
     ML 2.2 (GEN), 2.1 (LDG).

RRL     0.23 330 P     58 54.01  -0.2
                 S     58 57.76
PZZ     0.25 152 P     58 54.05  -0.5
                 S     58 57.80
BHB     0.26  62 P     58 55.32   0.6
                 S     58 59.80
DOI     0.31 135 P     58 55.50  -0.2
                 eSg   59 00.30
BNI     0.38 330 P     58 57.00  -0.1
                 eSg   59 02.20
RSP     0.48  27 P     58 59.55   0.5
                 S     59 06.97
STV     0.55 150 P     58 59.91  -0.6
                 S     59 07.77
ENR     0.60 145 P     59 00.86  -0.6
                 S     59 08.90
LSD     0.75  12 P     59 04.09   0.0
                 S     59 14.46
LPG     0.79 350 Pg    59 04.40  -0.3
                 Sg    59 15.10
RO8     0.79 122 P     59 04.20  -0.4
                 S     59 15.37
LPL     0.81 349 Pg    59 04.70  -0.3
                 Sg    59 15.90
SBF     0.93 157 Pg    59 08.10   1.1
                 Sg    59 20.30
FRF     1.18 190 Pg    59 10.90  -0.4
                 Sg    59 26.60
LRG     1.34 198 Pg    59 14.40   0.6
                 Sg    59 32.60
LMR     1.42 193 Pg    59 15.70   0.6
```

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          Sg     59 34.70
    S.D. = 0.6  on  16 of  16 obs.
---------------------------------------
% JUN 20, 1992 03h 17m 32.74± 1.44s
  39.512 N ±10.9km    0.801 W ±16.3km
  DEPTH =  10.0km  (geophysicist)
 SPAIN                              (377)
   mbLg 2.9 (MDD).

ECHE   0.15 301 ePg   17 36.50   0.2
                eSg   17 39.50
ACU    1.04 163 ePg   17 52.50   0.0
EVIA   1.59 237 ePn   18 01.00   0.0
                eSn   18 22.50
ETOR   1.62 324 ePn   18 01.50   0.0
                eSn   18 22.50
GUD    2.81 295 ePn   18 18.30  -0.4
   S.D. = 0.3  on  5 of  5 obs.
---------------------------------------
• JUN 20, 1992 04h 07m 16.00± 2.32s
  4.747 N ±18.1km  124.884 E ±27.4km
  DEPTH = 167.0 ± 31.1 km
  4.8mb (  3 obs.)
 CELEBES SEA                        (262)

BIP    3.71  21 ePc   08 13.00  -0.6
                eS    08 45.00
PLP    6.38   1 ePc   08 49.50   0.8
KNA   20.72 169 eP    11 44.80  -0.1
CHTO  28.92 301 eP    13 03.50   1.8
ASPA  29.58 163 iPd   13 06.00  -1.4
      0.7s     18.40nm          4.9mb
WARB  30.79 177 eP    13 18.40   0.4
LZH   36.71 331 eP    14 09.00   0.2
      1.0s     16.00nm          4.7mb
GUN   43.64 306 P     15 06.00  -0.2
      0.6s     16.00nm          4.8mb
PKI   43.88 305 P     15 06.40  -1.7
KKN   44.08 306 P     15 09.20  -0.3
DMN   44.14 305 P     15 10.20   0.1
GKN   44.68 306 P     15 14.00  -0.3
BFD   44.84 160 eP    15 11.00  -4.1X
                e     16 56.00
BWA   44.84 152 iPd   15 16.10   0.9
CAN   45.85 152 iPd   15 23.00  -0.2
TOO   46.27 157 iPc   15 27.20   0.8
   S.D. = 1.0  on  15 of  16 obs.
---------------------------------------
• JUN 20, 1992 04h 40m 13.93± 1.16s
  68.201 N ± 7.9km  161.777 W ±13.5km
  DEPTH =  10.0km  (geophysicist)
  3.7mb (  2 obs.)
 NORTHERN ALASKA                    (676)
   ML 3.2 (PMR).

BRW    3.57  27 (P)   41 10.45   0.0
IMA    3.82 120 eP    41 13.58  -0.5
ANM    3.93 203 eP    41 15.38  -0.1
TTA    5.81 153 eP    41 41.33  -0.8
      0.3s      1.14nm          4.1mb
FBA    6.48 114 eP    41 54.60   2.9X
SVW    7.59 157 eP    42 07.90   0.7
CPKM   8.06 145 (P)   42 07.23  -6.7X
CRP    8.08 145 eP    42 14.76   0.7
YKA   20.04  84 eP    44 49.50   0.2
      0.7s      1.00nm          3.3mb
   S.D. = 0.7  on  7 of  9 obs.
---------------------------------------
? JUN 20, 1992 05h 21m 38.79± 0.79s
  0.142 N ±34.1km   28.356 W ±33.2km
  DEPTH =  10.0km  (geophysicist)
  4.1mb (  2 obs.)
 CENTRAL MID-ATLANTIC RIDGE         (406)

ITR   13.37 228 eP    24 51.00  -0.3
                e     24 55.50
PDCR  16.51 220 (P)   25 32.00  -0.2
MBO   18.10  38 iP    25 52.40   0.3
KDS   20.22  52 iP    26 17.50   0.6
LIC   24.05  75 P     27 02.10   6.9X
ZOBO  42.49 245 P     29 37.00   0.1
    Z  16s     0.22um         4.1MszX
                LR    43 20.00
CNCB  42.52 245 P     29 38.00   0.9
LPB   42.54 245 P     29 42.00   4.9X
GEC2  60.51  31 P     31 50.10  -1.4
      0.8s      0.76nm          3.9mb
NB2   67.83  20 P     32 47.80   8.7X
      0.8s      1.90nm          4.3mb
   S.D. = 0.9  on  7 of  10 obs.
---------------------------------------
& JUN 20, 1992 05h 36m 25.40s
  37.868 N          122.234 W
  DEPTH =  10.9km
 CENTRAL CALIFORNIA                 ( 39)
   <GM-P>. MD 2.8 (GM).

ARN    0.76 133 ePc   36 39.90  -0.3
                eS    36 50.83
NWRM   0.78 319 ePc   36 40.33  -0.2
                eS    36 51.08
ORV    1.78  19 eP    36 53.79  -2.5
                eS    37 15.81
BONR   3.11  87 eP    37 18.69   3.1
      4 obs. associated
---------------------------------------
• JUN 20, 1992 05h 39m 57.63± 1.24s
  16.587 N ±10.2km  122.712 E ±13.8km
  DEPTH =  33.0km  (normal)
  4.4mb (  1 obs.)
 LUZON, PHILIPPINE ISLANDS          (249)

BCP    2.02 266 eP    40 30.00  -0.1
                eS    40 52.20
QVP    2.55 220 iPd   40 36.50  -1.1
                iS    41 04.00
PIP    2.64 311 ePc   40 39.50   0.7
TGY    3.01 215 ePd   40 45.00   0.9
PGP    3.51 209 eP    40 55.00   3.8X
PLP    5.82 157 eP    41 24.30   0.3
NB2   85.59 333 P     52 33.10  -0.7
      0.8s      1.90nm          4.4mb
   S.D. = 1.0  on  6 of  7 obs.
---------------------------------------
• JUN 20, 1992 06h 29m 31.42± 0.92s
  38.112 N ± 8.0km   22.057 E ± 9.8km
  DEPTH =  10.0km  (geophysicist)
 GREECE                             (364)
   MD 2.9 (ATH), 2.4 (THE).

AGG    0.93  13 ePgc  29 50.38   1.1
                eSg   30 03.26
VLS    1.16 274 ePb   29 52.20  -0.9
VLI    1.56 153 ePb   30 00.00   0.8
LIT    2.01   9 ePb   30 06.30   0.5
                eSb   30 31.18
KZN    2.20 354 ePn   30 09.50   0.9
PAIG   2.21  34 ePn   30 07.18  -1.5
OUR    2.68  33 ePn   30 13.90  -1.4
GRG    2.85   5 ePn   30 19.04   1.2
SOH    2.89  20 ePn   30 17.56  -0.7
                eSn   30 51.62
KNT    3.11  12 ePn   30 21.42   0.0
                eSn   30 57.02
   S.D. = 1.2  on  10 of  10 obs.
---------------------------------------
• JUN 20, 1992 07h 10m 35.75± 0.76s
  4.198 S ±14.0km  102.045 E ±14.9km
  DEPTH =  33.0km  (normal)
  5.3mb (  4 obs.)
 SOUTHERN SUMATERA, INDONESIA       (274)

KGM    6.30  12 ePc   12 09.90   1.0
                e     13 46.00
IPM    8.78 353 ePc   12 50.20   6.8X
      0.4s     10.30nm          5.3mb
KHKI  14.10 108 eP    13 55.00  -0.4
                e     15 31.00
CHG   23.07 352 eP    15 39.00  -0.6
PKI   35.43 334 P     17 30.40  -1.0
GUN   35.52 335 P     17 31.40  -0.8
DMN   35.60 334 P     17 31.70  -1.0
KKN   35.68 334 P     17 32.80  -0.5
      0.6s     28.00nm          5.4mb
GKN   36.14 333 P     17 36.80  -0.4
ASPA  36.32 125 iPc   17 39.10   0.5
      0.4s     17.80nm          5.3mb
QIS   39.98 117 iPd   18 08.00  -1.3
LZH   40.11   2 eP    18 20.50  10.2X
      1.6s     26.00nm
    Z  18s     0.20um          4.0Msz
KAF   87.06 333 eP    23 20.30   1.3
NUR   87.45 331 eP    23 21.60   0.7
GEC2  92.04 319 P     23 53.40  10.6X
      0.5s      0.69nm
HFS   92.78 330 eP    23 47.20   1.3
      0.5s      0.70nm          4.3mb
PV10 135.75  36 ePKP  30 09.20  13.7X
ALQ  139.60  37 ePKP  30 19.20  16.5X
      1.0s      5.00nm
OLY  146.44  20 ePKP  30 15.25   1.0
   S.D. = 1.0  on  14 of  19 obs.
---------------------------------------
  JUN 20, 1992 08h 26m 40.47± 0.48s
  5.596 N ± 6.7km   72.766 W ± 7.5km
  DEPTH =  22.2km  (  4 depth phases)
  4.7mb (  5 obs.)
 COLOMBIA                           (103)

BMG    1.50 348 iPc   27 09.00   2.7
BOG    1.61 233 iPc   27 09.00   0.8
                iS    27 31.00
SDV    3.89  33 iPnd  27 42.20   1.6
                iSn   28 48.20
TOV    5.10  35 ePc   27 58.50   0.9
                iS    29 18.90
CEOS   5.56  52 eP    28 03.70  -0.5
                eS    29 39.40
PSO    6.31 226 eP    28 14.50  -0.5
MORO   6.85  40 eP    28 22.30   0.0
OLLA   7.36  53 eP    28 28.90  -0.6
CAR    7.56  49 eP    28 32.00  -0.3
LLAV   7.63  50 eP    28 33.00  -0.3
GUAN   8.28  58 eP    28 33.00  -9.3X
ZOBO  22.22 168 P     31 37.60  -0.4
      1.0s     52.50nm          4.9mb
    Z  20s      0.12um          3.3Msz
                S     37 30.00
                LR    44 04.00
LPB   22.47 168 Pc    31 41.60   1.4
                e     38 27.00
CNCB  22.76 168 P     31 43.70   0.5
                e     38 30.00
CCH   23.75 164 eP    31 47.00  -5.6X
                e     31 53.00  21km
FVM   36.02 336 (P)   33 41.03  -1.0
      0.6s     10.98nm          4.9mb
                pP    33 47.97  23km
CCM   36.42 335 eP    33 44.48  -0.9
      0.7s      9.82nm          4.8mb
                pP    33 51.47  24km
ALQ   42.65 318 (P)   34 38.80   1.4
GOL   44.89 324 eP    34 54.58  -1.0
      0.8s      3.74nm          4.4mb
                pP    35 00.77  21km
PV10  46.32 320 (P)   35 07.00   0.0
MSU   48.44 318 (P)   35 22.69  -0.9
PNT   58.76 326 eP    36 44.00   4.8X
YKA   64.53 340 eP    37 14.80  -2.9
      0.7s      2.40nm          4.4mb
KIC   67.61  85 P     37 37.40  -0.9
MBC   75.06 350 eP    38 28.00   6.1X
ASPA 148.67 232 iPKPc 46 25.40   0.9
      0.7s      4.50nm
WRA  150.03 239 PKP   46 29.80   3.2X
      0.5s      2.30nm
WRA  150.03 239 PKP   46 37.30  10.7X
      0.6s      2.40nm
   S.D. = 1.3  on  22 of  28 obs.
---------------------------------------
  JUN 20, 1992 09h 08m 34.75± 0.76s
  42.229 N ± 6.2km   18.902 E ± 4.9km
  DEPTH =  10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION         (383)
   ML 2.2 (TTG).

BDV    0.08 315 iPgc  08 37.47   0.3
                iSg   08 39.52
TTG    0.33  53 iPgc  08 41.79   0.2
                iSg   08 46.87
HCY    0.37 306 iPgc  08 42.39   0.0
                iSg   08 48.03
ULC    0.37 136 iPgc  08 42.29  -0.1
                iSg   08 48.07
NKY    0.59   7 iPgd  08 46.28  -0.4
                iSg   08 55.23
BRY    0.72 339 iPgc  08 48.83  -0.2
                iSg   08 59.48
PVY    0.87  65 iPgc  08 51.57  -0.1
                iSg   09 04.59
IVA    0.98  49 iPgd  08 53.49   0.1
```

iSg 09 08.02
PLE 1.16 18 iPgd 08 56.70 0.2
iSg 09 14.14
SKO 1.91 97 ePn 09 04.50 -3.1X
i 09 11.00
i 09 39.00
Lg 09 45.00
S.D. = 0.3 on 9 of 10 obs.

% JUN 20, 1992 09h 33m 48.68± 0.84s
39.634 N ± 7.5km 29.442 E ± 7.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.63 268 ePg 34 00.80 -0.6
eSg 34 09.80
IZI 0.70 2 ePg 34 01.80 -0.8
ALT 0.78 138 ePn 34 04.00 0.1
YLV 0.93 357 ePn 34 07.00 0.5
KCT 1.04 307 iPn 34 08.70 0.4
BNT 1.37 302 ePn 34 14.20 0.3
S.D. = 0.7 on 6 of 6 obs.

% JUN 20, 1992 09h 51m 33.80± 1.08s
39.062 N ± 6.8km 16.634 E ±10.9km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

CZI 0.42 292 P 51 44.50 2.2
ROI 0.51 354 P 51 43.00 -1.2
TDS 0.64 339 P 51 45.70 -0.9
eSg 51 54.10
CSI 0.76 340 P 51 49.10 0.4
ORI 1.01 352 P 51 52.80 -0.1
eSg 52 08.00
SOI 1.09 205 P 51 53.60 -0.6
eSg 52 10.70
ATN 1.29 226 P 51 57.30 -0.3
eSn 52 16.00
MGR 1.36 323 P 51 58.50 -0.3
eSg 52 15.40
LCI 1.63 38 P 52 05.00 2.4
SGO 1.81 326 P 52 04.70 -0.5
BRT 1.87 13 P 52 05.00 -1.0
S.D. = 1.4 on 11 of 11 obs.

& JUN 20, 1992 10h 20m 51.60s
34.067 N 116.321 W
DEPTH = 0.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.9 (PAS), 2.7 (GS).

PEC 0.72 256 eP 21 05.12 -0.8
PLM 0.84 212 iPc 21 07.68 -0.7
SSK 1.15 278 eP 21 13.11 -0.9
eS 21 29.32
GLA 1.61 129 ePn 21 19.03 -2.2
ISA 2.38 313 ePn 21 31.59 -0.9
eS 22 06.75
ABL 2.52 289 ePn 21 33.15 -1.5
BCH 3.30 291 (Pn) 21 42.91 -2.7
BONR 4.20 338 ePn 21 56.43 -2.1
8 obs. associated

JUN 20, 1992 11h 11m 35.50± 1.24s
51.283 N ±12.0km 15.903 E ± 6.2km
DEPTH = 5.0km (geophysicist)
POLAND (548)
ML 3.4 (VIE), 3.2 (GRF).

KSP 0.50 151 iP 11 45.10 -0.5
0.3s 47.00nm
iS 11 53.00
i 11 55.10
BRG 1.30 252 iPg 12 00.60 0.6
iSg 12 21.30
PRU 1.56 214 ePn 12 04.50 0.6
0.6s 34.10nm
Pg 12 06.00
e 12 09.80
Sn 12 23.00
Sg 12 28.40
e 12 36.00
CLL 1.82 272 e(Pn) 12 07.00 -0.7
ePg 12 09.00
eSg 12 36.00
KHC 2.62 216 Pn 12 19.50 0.3
e 12 25.50
e 12 28.40
Sn 12 49.50
Sg 13 02.40
OJC 2.69 112 eP 12 20.70 0.4
iS 12 56.10
MOX 2.78 258 ePg 12 28.40 6.8X
iSg 13 09.00
WET 2.89 223 iPnc 12 23.20 0.1
VKA 3.03 175 iPgc 12 33.00 7.9X
iSg 13 17.40
ZST 3.19 165 eP 12 10.00 -17.2X
GRF 3.39 244 ePn 12 29.80 -0.3
ePg 12 42.70
e(Sn) 13 16.10
eSg 13 27.70
KBA 4.53 203 ePn 12 46.00 -0.5
e(Sn) 13 54.00
S.D. = 0.6 on 9 of 12 obs.

% JUN 20, 1992 12h 35m 54.65± 0.89s
39.095 N ± 7.7km 27.632 E ± 9.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.75 203 iPg 36 09.30 -0.1
iSg 36 18.30
DST 0.93 56 iPn 36 12.60 0.2
EZN 1.25 306 ePn 36 18.10 0.3
BNT 1.28 10 ePn 36 17.70 -0.7
KCT 1.28 26 iPn 36 18.70 0.3
S.D. = 0.6 on 5 of 5 obs.

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* JUN 20, 1992 13h 14m 56.39± 0.71s
43.802 N ±12.4km 147.971 E ±10.7km
DEPTH = 33.0km (normal)
4.3mb (11 obs.)
KURIL ISLANDS (221)

KUSJ 2.48 255 eP 15 34.70 -0.6
eS 16 05.20
HOOJ 3.71 249 eP 15 55.70 3.0X
eS 16 39.20
ASAJ 3.86 277 eP 15 57.70 2.8
MRRJ 5.23 257 P 16 16.80 2.4
eS 17 15.20
AOMJ 6.51 243 eP 16 32.80 0.5
eS 17 43.40
OFUJ 6.68 227 eP 16 33.40 -1.4
eS 17 44.40
YAMJ 8.22 230 eP 16 55.60 -0.7
MAT 10.40 229 eP 17 26.00 -0.4
MDJ 13.21 280 eP 18 07.80 3.7X
CN2 16.26 278 eP 18 48.60 4.9X
0.8s 6.00nm 3.8mb
Z 16s 0.29um 4.3Msz
BJI 23.88 272 eP 20 08.00 0.4
0.8s 15.00nm 4.6mb
LZH 34.36 272 eP 21 41.50 -0.9
1.5s 17.00nm 4.8mb
CD2 37.00 265 P 22 05.00 0.4
IMA 38.30 34 iPd 22 15.74 0.5
0.7s 4.59nm 4.4mb
FBA 40.70 36 eP 22 36.52 1.5
0.7s 5.57nm 4.4mb
WMQ 42.63 292 P 22 52.00 0.9
CHG 47.87 255 eP 23 34.30 1.1
GUN 51.60 274 P 24 01.20 -0.9
KKN 52.11 274 P 24 05.00 -0.8
PKI 52.14 274 P 24 04.80 -1.4
DMN 52.34 274 P 24 06.60 -1.0
GKN 52.45 275 P 24 07.00 -1.3
YKA 55.43 34 eP 24 29.10 -0.4
0.3s 0.20nm 3.6mb
WRA 64.65 194 P 25 34.50 1.5
0.7s 0.50nm 3.7mb
NB2 69.77 339 P 26 03.30 -1.6
0.5s 1.10nm 4.2mb
HFS 69.87 338 eP 26 04.00 -1.4
0.4s 1.60nm 4.4mb
PV10 72.63 53 eP 26 24.29 1.5
CLL 77.54 333 iPc 26 49.70 -0.4
1.0s 11.00nm 4.8mb
GEC2 79.40 331 P 26 59.80 -0.7
0.5s 0.66nm 3.9mb
S.D. = 1.3 on 26 of 29 obs.

? JUN 20, 1992 13h 33m 51.57± 1.17s
39.124 N ±10.5km 27.514 E ±19.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.75 195 iPg 34 06.30 0.0
iSg 34 17.80
DST 0.99 61 iPn 34 10.10 -0.3
BNT 1.27 14 ePn 34 14.70 -0.4
KCT 1.30 30 iPn 34 16.20 0.6
S.D. = 0.8 on 4 of 4 obs.

JUN 20, 1992 13h 41m 17.78± 0.51s
19.166 S ± 4.7km 66.709 W ± 4.0km
DEPTH = 248.5 ± 4.3 km
5.1mb (69 obs.)
SOUTHERN BOLIVIA (125)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 53C
Centroid Location:
Origin Time 13:41:22.3 0.4
Lat 19.48S 0.05 Lon 66.98W 0.04
Dep 274.4 2.2 Half-duration 1.8
Moment Tensor; Scale 10**16 Nm
Mrr=-9.02 0.35 Mtt= 0.90 0.67
Mff= 8.12 0.67 Mrt= 1.78 0.64
Mrf=-5.97 0.54 Mtf= 2.50 0.56
Principal Axes:
T Val= 10.36 Plg=16 Azm=102
N 1.02 14 8
P -11.39 69 238
Best Double Couple:Mo=1.1*10**17
NP1:Strike=212 Dip=32 Slip= -63
NP2: 0 62 -106

CCH 1.85 17 iPd 42 00.90 1.4
CNCB 2.64 332 iPc 42 08.00 0.7
LPB 2.93 333 iPc 42 11.20 0.9
ZOBO 3.17 334 iPc 42 13.80 0.7
1.1s 29.00nm
i 56 03.00
ARE 5.29 300 iPc 42 34.00 -4.0X
eS 43 30.40
RTLL 12.22 187 ePc 43 56.50 -8.7X
RTCB 12.41 188 iPc 44 01.00 -6.7X
CFA 12.46 186 e(P) 44 00.10 -8.2X
ITB1 12.67 118 Pc 44 10.00 -0.8
ITB 12.87 118 Pc 44 12.50 -0.9
ITB7 13.04 119 e(P) 44 14.00 -1.4
PEL 14.37 194 iPd 44 24.50 -7.2X
1.0s 85.00nm 5.1mb
BAO 18.20 82 Pc 45 26.00 10.9X
e 46 52.50
VAO 18.81 105 eP 45 19.60 -1.6
e 45 21.20
e 45 25.20
PSO 22.76 332 eP 46 03.50 3.0X
BMG 26.82 346 iPc 46 35.50 -2.0
PDCR 27.32 80 eP 46 41.20 -0.7
SDV 28.14 352 eP 46 48.50 -1.0
ITR 29.29 73 iPc 46 59.10 -0.3
e 47 10.10
ACR 32.05 328 ePd 47 24.67 1.2
BUS 33.12 328 ePd 47 34.71 1.5
LCR2 33.40 328 ePd 47 36.80 1.4
VCR 33.54 329 ePd 47 46.30 9.9X
SJS 33.60 328 ePd 47 39.08 2.2X
JCR 34.07 326 ePd 47 42.01 1.2
AIA 46.09 179 eP 49 18.00 -0.5
HBF 53.43 346 ePd 50 13.60 -0.8
SGS 53.71 346 iPd 50 15.62 -0.8
JSC 54.92 345 iPd 50 23.99 -1.2
LHS 55.01 346 iPd 50 24.57 -1.2
ePcP 51 24.42
pPcP 51 40.46
PRM 55.01 344 ePd 50 24.48 -1.4
CEH 56.00 348 ePd 50 29.78 -3.0
0.8s 55.25nm 5.1mb
TKL 56.87 343 iPd 50 37.14 -1.8
PWLA 57.54 339 ePd 50 41.11 -2.5
BLA 57.54 347 ePd 50 42.68 -1.0
0.6s 23.06nm 5.0mb
NAV 57.73 347 eP 50 43.49 -1.5
CVL 57.91 349 eP 50 45.04 -1.1
OLY 59.22 337 iP 50 53.31 -1.9
LST 59.51 339 eP 50 56.26 -0.8

GMTN 60.14 353 iP 51 01.00 -0.3
TBR 60.40 353 eP 51 02.35 -0.8
FVM 61.06 339 iPd 51 05.87 -1.8
0.8s 402.67nm 6.1mb X
ePcP 51 48.25
CCM 61.41 338 iPd 51 08.68 -1.2
0.7s 282.98nm 6.0mb
HRV 61.52 356 eP 51 10.05 -0.5
0.9s 48.73nm 5.1mb
OCO 61.72 332 iPc 51 12.20 0.2
KDS 62.26 64 iP 51 15.50 -0.5
ACO 63.45 331 iPc 51 22.20 -1.2
BNH 63.58 356 eP 51 23.97 -0.1
EMM 63.60 359 eP 51 24.02 0.0
RSNY 63.80 354 iPd 51 25.21 -0.3
0.8s 47.55nm 5.3mb
Z 20s 0.06um 3.8Msz
MIM 64.13 358 eP 51 27.29 -0.2
LMN 64.73 1 ePd 51 32.30 0.9
ALQ 65.73 325 ePd 51 37.76 -0.5
0.8s 45.80nm 5.3mb
e 51 51.55
LIC 65.75 74 Pc 51 37.00 -1.6
TIC 65.93 73 Pc 51 38.20 -1.5
KIC 66.07 74 Pc 51 39.20 -1.4
0.5s 41.00nm 5.4mb
EEO 66.44 351 eP 51 43.00 0.7
GLD 68.75 329 eP 51 57.29 0.3
1.0s 86.00nm 5.4mb
GOL 68.79 329 ePc 51 56.96 -0.3
0.8s 60.50nm 5.4mb
Z 20s 0.11um 4.1Msz
GLA 69.34 318 eP 52 00.07 -0.5
ePcP 52 22.31
PLM 70.83 317 ePd 52 09.69 0.0
SPA 70.95 180 iPd 52 07.50 -2.5
0.9s 27.27nm 5.0mb
SRU 71.00 325 eP 52 10.02 -0.6
PEC 71.37 317 iPd 52 12.47 -0.2
1.0s 28.25nm 5.0mb
ePcP 52 30.93
MSU 71.47 324 iPd 52 13.72 0.2
RSSD 71.64 333 P 52 20.00 5.7X
Z 20s 0.07um 3.9Msz
EMUT 71.66 326 ePd 52 14.17 -0.4
ARUT 71.69 323 ePd 52 15.07 0.4
ePcP 52 32.76
SSK 71.91 317 eP 52 16.07 0.0
DAU 72.32 326 iPd 52 18.72 0.2
DUG 73.01 325 iPd 52 22.59 0.3
0.8s 34.31nm 5.1mb
BW06 73.18 328 iPd 52 22.50 -0.8
0.8s 29.40nm 5.1mb
ABL 73.29 317 eP 52 23.61 -0.5
ISA 73.32 318 iPd 52 24.28 0.2
0.8s 56.63nm 5.3mb
ULM 73.76 341 ePd 52 26.80 0.6
BCH 74.05 317 eP 52 28.24 -0.2
TNP 74.10 321 iPd 52 28.91 0.2
0.8s 31.11nm 5.1mb
HVU 74.10 326 eP 52 28.08 -0.5
PKEM 74.61 318 eP 52 31.80 0.4
PHAM 74.66 317 eP 52 32.12 0.4
PTI 74.66 327 eP 52 31.94 0.1
BONR 74.67 320 ePd 52 32.28 0.1
KVN 75.25 321 ePd 52 35.31 0.0
HPI 75.64 327 ePc 52 38.35 0.9
ARN 76.30 318 ePd 52 41.38 0.4
RUV 76.54 258 iP 52 42.80 0.2
1.0s 50.00nm 5.2mb
VAH 76.75 258 iP 52 44.00 0.2
1.0s 75.00nm 5.4mb
TPT 76.81 259 iP 52 44.70 0.6
1.0s 55.00nm 5.2mb
AVE 76.94 48 iP 52 45.50 1.0
i 53 42.50
PMO 77.06 258 iP 52 46.20 0.7
1.0s 55.00nm 5.2mb
WIN 77.37 110 iPd 52 46.70 -0.7
0.7s 23.97nm 5.0mb
TVO 77.53 255 iP 52 48.50 0.4
0.9s 45.00nm 5.2mb
ORV 77.62 320 ePd 52 48.43 0.3
PPN 77.76 256 iP 52 50.00 0.7
0.9s 20.00nm 4.8mb
PAE 77.86 255 iP 52 49.90 0.0
0.9s 50.00nm 5.2mb
PPT 77.88 255 iP 52 50.10 0.1
0.9s 35.00nm 5.1mb
AFR 78.08 255 eP 52 50.00 -1.0
0.9s 45.00nm 5.2mb
LBFM 78.95 321 eP 52 55.26 -0.3
NKM 79.50 47 iP 53 00.00 1.7
SES 79.51 333 iPd 52 57.90 -0.3
0.9s 156.00nm 5.7mb
EVAL 79.76 44 eP 53 01.10 1.4
FHC 79.89 320 eP 53 00.90 0.5
0.8s 105.02nm 5.6mb
e 53 13.75
EJIF 80.00 46 eP 53 02.10 1.1
EPRU 80.44 46 eP 53 05.60 2.3X
NEW 80.81 329 ePc 53 04.09 -0.9
0.8s 32.50nm 5.1mb
EHOR 80.89 45 iPd 53 06.70 1.2
VGB 80.91 325 eP 53 06.20 0.6
DPW 81.09 328 iP 53 06.74 0.3
ELUQ 81.41 45 eP 53 10.00 1.7
EPLA 81.57 43 eP 53 10.50 1.4
ECOG 81.73 46 eP 53 10.50 0.4
SHW 82.13 325 eP 53 12.54 0.5
ERUA 82.21 40 eP 53 13.50 1.1
LON 82.24 325 ePd 53 12.28 -0.2
FRS 82.42 119 iPd 53 15.10 1.4
0.6s 23.33nm 5.1mb
EHUE 82.67 46 eP 53 15.30 0.4
RMW 82.68 326 ePd 53 14.12 -0.6
PNT 82.74 328 ePd 53 15.00 0.1
0.8s 82.00nm 5.5mb
BMW 82.85 324 iPd 53 15.96 0.4
GUD 83.12 43 eP 53 17.80 0.6
GMW 83.26 326 eP 53 17.16 -0.4
BLF 83.33 118 iPc 53 18.70 0.1
0.7s 15.00nm 4.9mb
MCW 83.98 326 ePd 53 21.49 0.3
e 53 35.01
PGC 84.29 326 eP 53 23.00 0.4
1.0s 177.00nm 5.8mb
ETOR 84.57 44 eP 53 25.00 0.6
ECHE 84.67 45 eP 53 25.90 1.1
SEK 84.78 118 iPd 53 26.70 0.8
0.4s 16.95nm 5.2mb
PRY 85.10 117 eP 53 27.70 0.2
1.0s 10.00nm 4.6mb
MAW 85.95 163 eP 53 29.00 -1.7
1.0s 42.00nm 5.2mb
SLR 86.17 116 iPc 53 33.20 0.4
0.9s 21.01nm 5.0mb
BCAO 86.96 84 ePc 53 30.00 -6.5X
0.7s 9.00nm 4.7mb
i 53 37.00
i 54 41.00
i 57 06.10
EPF 87.23 43 eP 53 38.70 1.5
0.5s 3.50nm 4.4mb
BUL 88.32 111 iPd 53 44.50 1.4
1.0s 15.00nm 4.8mb
LFF 88.41 41 eP 53 43.00 0.2
0.7s 30.10nm 5.3mb
LPO 88.56 41 eP 53 43.70 0.2
0.8s 8.20nm 4.7mb
MFF 88.69 39 eP 53 44.20 0.2
0.8s 34.00nm 5.3mb
LPF 88.88 38 eP 53 44.70 -0.2
0.9s 15.55nm 4.9mb
RJF 89.07 41 eP 53 45.80 -0.1
0.8s 12.65nm 4.9mb
GRR 89.17 37 eP 53 45.90 -0.3
0.6s 13.00nm 5.0mb
CAF 89.23 41 eP 53 46.00 -0.7
0.7s 9.15nm 4.8mb
LSF 89.53 40 eP 53 47.90 -0.1
0.9s 24.10nm 5.1mb
FLN 89.57 37 eP 53 47.90 -0.2
1.1s 23.95nm 5.0mb
LDF 89.69 38 eP 53 48.40 -0.3
0.9s 17.70nm 5.0mb
YKA 89.70 340 eP 53 48.10 -0.3
0.9s 55.40nm 5.5mb
TCF 89.96 40 eP 53 49.70 -0.3
0.7s 11.45nm 4.9mb
LBL 90.11 42 P 53 51.74 1.0
MAF 90.15 40 eP 53 50.90 0.1
0.8s 13.70nm 4.9mb
PYM 90.20 41 P 53 51.92 0.7
AGO 90.42 41 P 53 52.61 0.5
BGF 90.48 40 eP 53 52.40 0.1
0.7s 23.35nm 5.2mb
PLDF 90.68 41 P 53 54.15 0.8
AVF 90.89 40 eP 53 54.00 -0.2
0.9s 11.30nm 4.8mb
SSF 91.11 40 eP 53 54.80 -0.4
0.8s 17.20nm 5.0mb
SMF 91.13 41 eP 53 55.40 0.1
0.8s 21.20nm 5.1mb
LRG 91.33 44 eP 53 57.00 0.7
1.1s 31.00nm 5.2mb
LBF 91.36 40 eP 53 56.10 -0.3
0.9s 9.00nm 4.7mb
LMR 91.38 44 eP 53 57.90 1.4
0.8s 9.25nm 4.8mb
LOR 91.42 40 eP 53 56.20 -0.5
0.8s 11.95nm 4.9mb
EKA 91.56 31 Pc 53 58.10 1.1
1.1s 12.90nm 4.8mb
SBF 92.21 44 eP 54 00.80 0.4
0.9s 29.50nm 5.3mb
LPL 92.44 42 eP 54 02.40 0.7
0.8s 6.70nm 4.7mb
LPG 92.45 42 eP 54 02.60 0.8
0.8s 4.55nm 4.6mb
PGF 92.72 46 eP 54 02.90 0.0
0.5s 6.10nm 4.9mb
HAU 93.26 40 eP 54 04.70 -0.4
BSF 93.45 40 eP 54 05.70 -0.4
0.6s 3.00nm 4.5mb
WLF 93.84 38 P 54 10.00 2.3X
CDF 93.99 40 eP 54 08.30 -0.3
1.0s 7.60nm 4.8mb
GEC2 98.10 41 PKP 54 26.60 -0.6
0.8s 0.87nm 4.2mb
MBC 100.35 349 ePdiff54 40.00 3.3X
PMR 103.12 331 Pdiff 55 00.00 10.7X
Z 20s 0.17um 4.6Msz
FBA 103.45 334 ePdiff54 49.79 -0.9
RMQ 123.04 218 ePKP 59 46.00 -0.6
OIS 132.85 215 ePKP 00 02.00 -3.5X
0.6s 15.00nm
i 00 03.50
ASPA 132.92 206 iPKP 00 03.40 -2.2
eSKP 03 09.30
iPKS 03 32.00
WARB 133.09 197 ePKP 00 04.00 -1.9
KSH 142.06 50 PKP 00 22.60 0.4
MTN 143.66 210 ePKP 00 20.20 -5.2X
0.3s 65.00nm
KUSJ 144.39 319 PKP 00 23.30 -2.5
ASAJ 145.07 322 PKP 00 26.80 -0.2
HOOJ 145.66 319 ePKP 00 28.30 0.3
NDI 145.80 67 ePKP 00 29.00 0.3
0.5s 105.63nm
MRRJ 146.99 321 ePKP 00 32.00 1.9
HYB 147.00 87 ePKP 00 32.00 1.1
WMQ 147.38 35 PKP 00 32.20 1.3
OFUJ 148.45 315 ePKP 00 35.80 3.2X
AOMJ 148.49 318 ePKP 00 34.70 2.1X
GUA 149.18 264 ePKP 00 36.00 1.6
0.8s 346.27nm
GUMO 149.23 264 ePKP 00 35.80 1.3
0.7s 602.20nm
e 01 53.80
e 02 52.30
PJG 149.23 264 ePKP 00 35.70 1.2
YAMJ 150.01 315 ePKP 00 39.90 4.9X
KAKJ 150.91 311 PKP 00 41.80 5.4X
NIIJ 151.20 314 PKP 00 42.80 6.0X
MDJ 151.21 335 ePKP 00 37.50 0.9
CHJJ 151.81 312 PKP 00 44.50 6.7X
MAT 152.11 314 (PKP) 00 37.00 -1.2
GKN 152.36 66 PKP 00 36.60 -2.4
MTMJ 152.36 314 PKP 00 45.30 6.6X
KKN 152.96 66 PKP 00 38.90 -1.0
0.6s 27.00nm
CN2 153.40 340 ePKP 00 39.60 -0.1
GUN 153.45 66 PKP 00 40.60 -0.2
SNY 155.77 341 ePKP 00 43.60 0.6
GTA 156.71 27 ePKP 00 44.50 0.0
LSA 157.32 58 PKP 00 45.00 -1.0
HHC 158.34 4 PKP 00 47.80 1.4
BTO 158.46 7 ePKP 00 46.50 0.0
BJI 159.05 354 ePKP 00 48.00 1.0
LZH 161.20 24 ePKP 00 51.50 1.9

20d 14h

TIY 161.51 2 ePKP 00 50.80 1.1
TIA 162.69 350 PKPc 00 51.70 0.8
XAN 164.68 14 PKP 00 53.80 0.9
CD2 165.47 35 ePKP 00 54.80 1.1
SSE 166.14 331 PKPc 00 55.50 1.4
CHG 166.42 89 ePKP 00 55.00 0.3
WHN 168.63 355 ePKP 00 57.00 1.2
S.D. = 1.0 on 190 of 214 obs.

JUN 20, 1992 15h 27m 58.05± 1.40s
24.742 S ±10.0km 179.799 E ± 5.7km
DEPTH = 523.6 ± 20.7 km
4.8mb (18 obs.)
SOUTH OF FIJI ISLANDS (171)

DZM 12.55 280 iPc 30 44.20 1.1
iS 33 02.50
URZ 13.67 189 eP 30 54.60 0.3
PGZ 16.10 190 P 31 18.50 -0.2
MNG 16.24 192 eP 31 18.70 -1.3
QRZ 17.15 199 P 31 29.10 0.2
THZ 17.92 197 P 31 37.70 1.3
DSZ 18.21 199 P 31 39.70 0.5
KHZ 18.37 195 P 31 39.50 -1.2
LTZ 19.04 197 P 31 46.00 -1.2
MQZ 19.80 195 P 31 55.20 0.9
EWZ 20.11 199 P 31 59.10 1.9
HNR 24.28 305 eP 32 28.00 -7.3X
ARMA 25.57 251 eP 32 47.00 0.1
0.8s 16.00nm 4.6mb
RMQ 28.02 260 eP 33 09.50 1.2
1.0s 39.00nm 4.9mb
e 34 35.00
AFR 29.22 82 eP 33 18.00 -0.8
0.7s 20.00nm 4.8mb
PAE 29.36 82 eP 33 19.00 -1.0
0.7s 15.00nm 4.7mb
PPT 29.39 82 eP 33 20.00 -0.3
0.7s 15.00nm 4.7mb
PPN 29.54 82 eP 33 21.00 -0.5
0.7s 10.00nm 4.5mb
TVO 29.62 83 eP 33 22.00 -0.3
0.7s 25.00nm 4.9mb
CMS 30.62 250 eP 33 31.00 0.3
PMO 31.82 78 iP 33 41.00 0.1
1.0s 30.00nm 4.8mb
TOO 31.84 238 iPc 33 42.00 0.9
VAH 31.96 79 iP 33 42.00 -0.1
1.0s 25.00nm 4.7mb
TPT 32.07 79 iP 33 43.00 0.0
1.0s 45.00nm 5.0mb
RUV 32.20 79 iP 33 43.80 -0.4
1.0s 25.00nm 4.7mb
PMG 34.61 290 eP 34 04.50 0.1
0.9s 84.03nm 5.3mb
QIS 37.24 268 eP 34 24.00 -2.1
ASPA 41.73 262 iPd 35 02.30 -0.1
0.8s 31.30nm 4.9mb
e 36 34.90
iS 40 40.50
WRA 42.17 267 P 35 05.60 -0.4
0.7s 27.50nm 4.9mb
FORT 45.85 250 eP 35 33.00 -1.5
KNA 48.48 271 iPd 35 54.20 -0.5
MEEK 54.70 254 eP 36 38.00 -1.8
CGP 63.01 294 iPd 37 35.00 -0.5
SPA 65.40 180 iPc 37 50.90 0.6
0.8s 10.42nm 4.5mb
MAT 72.49 326 iPd 38 32.30 -0.4
PLM 83.47 49 eP 39 33.03 1.4
GLA 84.71 50 eP 39 39.43 1.9
BONR 85.20 44 eP 39 40.19 0.0
RMW 88.99 35 eP 39 58.92 1.4
KMI 89.49 298 Pc 40 03.00 2.5X
1.0s 30.00nm 5.2mb
CHG 89.80 291 eP 40 04.00 2.2X
1.0s 15.75nm 4.9mb
CHTO 89.80 291 ePd 40 03.80 2.0
1.0s 16.25nm 4.9mb
SRU 90.90 47 ePc 40 07.98 1.3
UPP 142.77 345 iPKP 46 28.70 -3.6X
NB2 142.88 351 PKP 46 29.20 -3.4X
0.9s 5.00nm
HFS 143.33 348 ePKP 46 30.20 -3.1
0.7s 16.70nm
HRI 147.57 294 ePKP 46 45.80 4.5X
MML 147.91 292 ePKP 46 47.00 5.2X

RMN 148.70 288 ePKP 46 48.40 5.3X
CSS 149.31 297 ePKP 46 49.50 5.7X
OJC 150.21 334 ePKPd 46 51.20 6.5X
KSP 151.00 338 iPKP 46 53.30 7.5X
i 47 03.00
CLL 151.60 342 iPKP 46 54.10 7.4X
0.9s 11.00nm
i 47 05.00
BRG 151.72 341 iPKP 46 54.40 7.5X
0.8s 10.00nm
i 47 05.40
GEC2 153.58 339 PKP 46 57.60 8.0X
0.7s 0.38nm
S.D. = 1.2 on 41 of 55 obs.

• JUN 20, 1992 16h 54m 34.24± 1.24s
32.426 N ±24.3km 26.515 E ±12.1km
DEPTH = 33.0km (normal)
4.0mb (9 obs.)
EASTERN MEDITERRANEAN SEA (371)

CSS 6.22 64 eP 56 05.60 -0.5
eS 57 08.70
RMN 7.19 103 eP 56 20.70 0.9
BGIO 7.31 93 eP 56 19.50 -2.0
MKT 7.51 99 eP 56 23.80 -0.4
eS 57 42.70
MBH 7.65 108 eP 56 27.20 1.0
SOI 10.24 306 P 56 59.70 -2.2
ATN 10.69 305 P 57 07.70 -0.4
KBA 17.76 329 eP 58 49.00 8.4X
GEC2 19.02 333 P 58 55.10 -0.9
0.5s 1.21nm 3.4mb
KHC 19.30 334 eP 59 05.00 5.8X
e 59 17.40
PRU 19.68 337 eP 59 04.50 1.1
e 59 22.50
LPG 20.10 316 eP 59 06.70 -1.4
0.8s 4.55nm 3.9mb
LPL 20.12 316 eP 59 06.80 -1.4
0.7s 3.65nm 3.8mb
BRG 20.63 337 e(P) 59 16.00 2.7X
CLL 21.32 336 e(P) 59 22.00 1.7
BSF 21.45 322 eP 59 21.60 -0.2
0.7s 8.05nm 4.2mb
CDF 21.57 323 eP 59 24.20 1.2
0.6s 2.80nm 3.9mb
HAU 21.79 321 eP 59 25.80 0.7
0.6s 6.20nm 4.2mb
SMF 22.42 316 eP 59 34.30 3.0X
0.9s 5.90nm 4.0mb
AVF 22.78 316 eP 59 37.00 2.1
SSF 22.83 316 eP 59 35.80 0.4
1.0s 7.20nm 4.1mb
BGF 22.97 315 eP 59 39.80 3.1X
0.8s 8.35nm 4.3mb
LDF 25.72 317 eP 00 17.70 14.6X
S.D. = 1.4 on 17 of 23 obs.

• JUN 20, 1992 17h 02m 16.06± 1.19s
33.771 S ±11.6km 178.898 W ±19.6km
DEPTH = 33.0km (normal)
4.6mb (2 obs.)
SOUTH OF KERMADEC ISLANDS (179)

PUZ 4.87 207 P 03 27.20 -1.8
S 04 27.50
KUZ 5.31 234 P 03 37.50 2.4
NOZ 5.43 206 P 03 37.30 0.5
URZ 5.52 215 eP 03 38.80 0.7
eS 04 45.10
PATZ 6.04 219 eP 03 46.70 1.1
WLZ 6.06 226 eP 03 46.80 1.1
PGZ 7.84 208 P 04 07.30 -3.4X
MNG 8.17 212 P 04 13.50 -1.8
eS 05 43.60
DZM 17.40 308 iPc 06 19.00 1.0
RMQ 28.82 276 eP 08 14.00 0.6
ASPA 42.29 271 iPc 10 06.80 -1.5
0.6s 11.30nm 4.8mb
WRA 43.58 276 P 10 17.00 -1.8
0.6s 5.70nm 4.5mb
WARB 47.32 264 iPd 10 46.00 -2.6
BCAO 146.60 213 iPKPc 21 54.30 -0.5
0.4s 7.00nm
KAF 147.43 338 iPKP 21 52.80 -1.8
0.5s 3.20nm

NUR 149.17 337 iPKP 21 57.90 0.5
0.5s 6.10nm
NB2 151.94 350 PKP 22 04.00 2.3
0.6s 1.10nm
LIC 152.01 167 PKP 22 07.90 4.8X
KIC 152.19 167 PKP 22 08.00 4.6X
HFS 152.36 346 ePKP 22 04.00 1.8
0.5s 1.60nm
S.D. = 1.7 on 17 of 20 obs.

? JUN 20, 1992 17h 11m 11.71± 7.55s
46.160 N ±49.5km 2.753 E ±37.3km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.2 (LDG).

MAF 0.14 295 Pg 11 15.40 0.3
Sg 11 17.80
TCF 0.40 289 Pg 11 19.80 -0.1
Sg 11 24.80
BGF 0.40 9 Pg 11 19.90 -0.1
Sg 11 25.30
LSF 0.85 276 Pg 11 28.00 -0.2
Sg 11 39.00
S.D. = 0.4 on 4 of 4 obs.

• JUN 20, 1992 17h 51m 57.57± 1.92s
33.221 S ± 5.1km 71.774 W ±15.4km
DEPTH = 10.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 4.2 (SAN).

IHA 0.22 30 iPc 52 02.20 -0.2
iS 52 08.20
ROCH 0.69 69 iPd 52 10.60 -0.7
iS 52 23.80
LNV 0.79 158 iPc 52 12.30 -0.7
iS 52 27.30
TACH 0.82 122 iPd 52 13.90 0.4
PEL 0.92 85 iPd 52 15.40 0.3
iS 52 31.60
SAN 0.96 104 iP 52 16.00 0.1
iS 52 32.50
PCH 1.13 111 iPd 52 18.90 0.1
iS 52 39.40
JACH 1.13 62 iPc 52 17.00 -1.8
iS 52 36.00
CHCH 1.18 128 iPc 52 19.70 0.1
iS 52 39.20
FCH 1.25 95 iPc 52 21.00 0.0
iS 52 42.30
CACH 1.33 133 iPd 52 22.10 0.0
iS 52 43.60
RTCB 3.05 56 e(P) 52 47.30 0.4
ZON 3.11 58 eP 52 49.00 1.4
CFA 3.40 63 e(P) 52 52.20 0.5
CCH 16.57 19 (P) 55 56.00 4.1X
S.D. = 0.8 on 14 of 15 obs.

JUN 20, 1992 18h 07m 26.12± 0.52s
55.006 N ± 8.4km 161.905 E ± 9.9km
DEPTH = 33.0km (normal)
4.6mb (19 obs.)
NEAR EAST COAST OF KAMCHATKA (218)

PET 2.77 225 ePn 08 08.50 -0.5
Z 12s 2.50um
eS 08 42.00
SKR 5.59 221 ePn 08 49.40 0.3
eS 09 49.50
MGD 7.85 315 ePn 09 28.50 7.7X
Z 14s 1.20um
E 14s 1.00um
ILT 15.80 27 eP 11 11.00 3.7X
YAK 18.06 306 eP 11 36.30 0.5
1.0s 30.00nm 4.4mb
Z 14s 0.40um 4.5Msz
E 13s 0.40um
IMA 23.92 45 eP 12 38.60 1.0
MAT 24.58 231 eP 12 45.00 0.9
YKA 41.04 45 eP 15 06.60 -0.7
0.6s 1.50nm 3.9mb
BW06 55.67 63 eP 17 00.80 -0.6
1.0s 2.00nm 4.1mb
KAF 58.14 337 iP 17 17.20 -1.1
0.5s 2.90nm 4.6mb
CHTO 59.33 259 (P) 17 25.80 -1.3

NUR 59.93 337 iP 17 25.80 -5.0X
0.7s 7.70nm 4.9mb
NB2 61.99 344 P 17 43.30 -1.5
1.1s 9.30nm 4.8mb
HFS 62.45 343 eP 17 45.90 -1.8
0.4s 2.00nm 4.6mb
CLL 70.93 340 iPd 18 41.10 -0.4
1.4s 16.00nm 4.9mb
BRG 71.16 339 e(P) 18 43.10 0.2
SPC 71.31 335 eP 18 43.30 -0.8
MOX 71.83 341 eP 18 47.00 0.0
PRU 71.87 339 eP 18 47.50 0.3
GRF 72.82 341 eP 18 53.60 0.8
KHC 72.89 339 eP 18 57.50 4.2X
1.2s 7.50nm 4.6mb
ZST 72.99 336 eP 18 54.30 0.5
e 24 34.50
e 35 37.50
GEC2 73.13 339 P 18 54.20 -0.6
0.6s 0.93nm 4.0mb
CDF 74.77 343 eP 19 04.40 0.1
0.9s 5.55nm 4.6mb
KBA 74.88 338 i(P) 19 06.30 1.2
1.5s 25.90nm 5.0mb
e(Sg) 35 48.00
HAU 75.32 343 eP 19 07.40 0.1
BSF 75.41 343 eP 19 07.80 -0.2
1.0s 6.00nm 4.5mb
LOR 76.43 345 eP 19 13.50 -0.1
0.8s 4.55nm 4.5mb
SSF 76.68 345 eP 19 15.00 0.0
0.8s 5.65nm 4.6mb
AVF 76.97 345 eP 19 16.80 0.2
LPL 77.67 342 eP 19 22.00 1.3
0.8s 5.90nm 4.7mb
LPG 77.68 342 eP 19 22.30 1.4
0.9s 7.35nm 4.7mb
CAF 78.98 346 eP 19 27.70 0.0
1.0s 5.00nm 4.5mb
LPO 79.34 346 eP 19 30.50 0.9
0.9s 9.00nm 4.8mb
S.D. = 0.9 on 30 of 34 obs.

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* JUN 20, 1992 18h 19m 20.92± 2.20s
33.199 S ± 5.7km 71.833 W ±17.3km
DEPTH = 10.4 ± 4.4 km
NEAR COAST OF CENTRAL CHILE (135)
MD 3.9 (SAN).

IHA 0.24 43 iPc 19 26.10 0.1
i(S) 19 32.80
ROCH 0.73 72 iPd 19 34.70 -0.6
iS 19 47.80
LNV 0.83 155 iPc 19 36.40 -0.5
iS 19 51.30
TACH 0.87 121 iPd 19 38.00 0.3
iS 19 53.10
PEL 0.96 87 iPd 19 39.50 0.2
iS 19 56.60
SAN 1.01 105 iPc 19 40.40 0.3
JACH 1.16 64 iPc 19 41.50 -1.2
iS 20 01.60
PCH 1.18 111 iPd 19 43.00 0.0
iS 20 04.40
CHCH 1.23 127 iPc 19 43.80 0.0
iS 20 03.30
FCH 1.30 96 iPc 19 45.20 0.0
iS 20 06.30
CACH 1.38 132 iP 19 46.30 0.1
iS 20 08.80
RTCB 3.08 57 ePc 20 11.60 1.0
CFA 3.43 63 e(P) 20 15.50 0.0
S.D. = 0.6 on 13 of 13 obs.

JUN 20, 1992 18h 23m 22.47± 0.50s
43.387 N ±12.0km 150.147 E ± 6.2km
DEPTH = 22.7km (14 depth phases)
4.8mb (37 obs.) 4.2Msz (3 obs.)
EAST OF KURIL ISLANDS (222)

MAT 11.42 237 eP 26 05.00 -2.3
0.8s 9.70nm 5.1mb
eS 28 15.00
MDJ 14.85 282 P 26 51.80 -0.8
0.8s 15.00nm 4.5mb
S 29 38.00
CN2 17.88 280 Pd 27 28.80 -2.4
0.8s 19.00nm 4.3mb
Z 20s 0.85um 4.3Msz
N 15s 0.82um
E 15s 0.59um
eS 30 49.00
SNY 19.59 275 Pd 27 51.00 -0.9
0.8s 37.00nm 4.7mb
Z 16s 0.59um 4.1Msz
N 14s 0.61um
DL2 21.89 268 P 28 16.60 1.1
1.0s 83.00nm 5.1mb
BJI 25.48 274 eP 28 52.00 1.7
1.5s 58.00nm 5.0mb
Z 24s 0.38um 3.8MszX
N 14s 0.41um
SSE 25.98 251 Pc 28 56.00 0.9
1.0s 18.00nm 4.7mb
Z 16s 0.40um 4.0MszX
N 12s 0.50um
E 14s 0.40um
TIA 26.24 265 eP 28 58.40 0.9
1.2s 45.00nm 5.0mb
NJ2 27.06 256 eP 29 07.60 2.6
E 13s 0.48um
HHC 28.56 278 eP 29 19.00 0.3
1.6s 24.00nm 4.7mb
Z 22s 0.65um 4.2Msz
N 13s 0.42um
TIY 29.04 272 Pc 29 24.20 1.3
Z 20s 0.75um 4.3Msz
N 15s 0.44um
BTO 29.76 279 eP 29 30.00 0.6
N 14s 0.44um
E 14s 0.38um
pP 29 36.00 21km
IRK 31.56 303 ePd 29 45.10 0.0
1.4s 17.00nm 4.7mb
LR 44 15.00
XAN 33.21 268 P 30 00.00 0.3
1.1s 13.00nm 4.8mb
LZH 35.97 274 iPd 30 24.80 1.3
2.0s 78.00nm 5.3mb
Z 20s 0.30um 4.1Msz
N 14s 0.27um
SVW 36.36 42 eP 30 26.90 0.5
GTA 37.50 282 Pd 30 37.50 1.2
1.5s 21.00nm 4.7mb
Z 14s 0.87um 4.7MszX
E 15s 0.71um
IMA 37.77 34 ePc 30 39.80 1.6
0.9s 13.50nm 4.8mb
REF 37.77 43 eP 30 37.73 -0.7
ipP 30 45.62 27km
BRW 37.90 25 eP 30 40.00 0.9
KDC 37.95 47 eP 30 41.79 2.2
0.6s 2.17nm 4.1mb
CRP 38.05 42 eP 30 41.51 0.8
epP 30 48.59 24km
CD2 38.55 267 eP 30 45.70 0.6
1.2s 48.00nm 5.1mb
SLKM 39.00 43 eP 30 47.05 -1.4
ipP 30 54.62 26km
PMS 39.30 42 eP 30 48.40 -2.6
PMR 39.50 41 eP 30 52.80 0.2
KLU 41.04 41 eP 31 05.92 0.6
ipP 31 12.86 23km
KMI 42.59 260 Pd 31 19.50 0.9
1.6s 50.00nm 5.0mb
BALM 42.81 41 eP 31 20.61 0.7
ipP 31 27.51 23km
WMQ 44.25 293 P 31 32.90 1.1
1.0s 21.00nm 4.9mb
Z 12s 0.69um 4.8MszX
sP 31 39.00
PcP 33 13.00
PP 33 20.00
MBC 48.47 19 eP 32 06.00 1.4
CHG 49.30 257 eP 32 12.50 0.8
GUN 53.21 275 P 32 40.80 -0.9
KKN 53.72 276 P 32 44.10 -1.1
0.8s 26.00nm 5.3mb
PKI 53.75 275 P 32 44.20 -1.4
DMN 53.95 276 P 32 46.00 -0.9
KSH 54.04 293 eP 32 48.90 1.6
GKN 54.06 276 P 32 46.80 -0.8
1.1s 51.00nm 5.5mb
YKA 54.88 34 eP 32 51.90 -1.1
1.1s 4.10nm 4.4mb
RMW 58.69 53 (P) 33 22.46 2.0
PNT 58.96 50 eP 33 22.00 -0.3
NDI 59.01 282 eP 33 22.30 -0.5
NEW 60.92 50 eP 33 34.79 -0.9
1.0s 10.50nm 4.9mb
WRA 64.67 196 P 33 59.20 -1.5
0.6s 1.10nm 4.2mb
LRM 64.94 50 eP 33 59.20 -3.4X
KAF 65.59 335 iP 34 04.60 -1.6
TNP 66.80 59 P 34 14.90 0.3
0.7s 2.57nm 4.5mb
OBN 66.88 325 eP 34 13.00 -1.5
1.1s 20.00nm 5.2mb
e 34 18.00 16km
LQ 59 40.00
NUR 67.33 334 iP 34 15.90 -1.4
0.5s 2.80nm 4.7mb
BW06 68.46 51 eP 34 31.50 6.5X
1.0s 1.33nm 4.0mb
DAU 68.97 54 eP 34 28.69 0.4
epP 34 35.99 23km
ARUT 69.32 57 eP 34 30.21 -0.1
epP 34 36.79 21km
MSU 69.63 56 eP 34 30.91 -1.3
ipP 34 39.69 28km
RSSD 70.63 47 eP 34 38.50 0.3
1.0s 4.07nm 4.5mb
NB2 70.71 340 P 34 36.40 -1.7
0.9s 5.30nm 4.7mb
HFS 70.85 339 eP 34 37.20 -1.7
0.6s 2.60nm 4.5mb
Z 17s 0.15um 4.3MszX
LR 05 18.00
OJC 77.21 330 eP 35 16.00 0.1
SPC 77.89 329 eP 35 20.80 0.9
e 35 26.40 18km
KSP 77.93 332 eP 35 20.00 0.1
i 35 25.30 17km
CLL 78.62 334 e(P) 35 23.00 -0.6
PRU 79.25 333 eP 35 27.20 0.1
MOX 79.63 335 eP 35 31.00 1.8
SRO 79.75 329 eP 35 39.00 9.2X
KHC 80.31 333 eP 35 28.00 -4.9X
e 35 35.50 24km
e 35 44.50
GEC2 80.51 333 P 35 33.00 -1.0
0.5s 1.69nm 4.3mb
GEC2 80.51 333 P 35 42.50 8.5X
0.6s 1.33nm 4.1mb
CCM 81.69 44 eP 35 39.10 -1.1
1.1s 7.32nm 4.6mb
epP 35 47.88 28km
CDF 82.93 336 eP 35 51.00 4.4X
SKO 83.33 324 iP 35 49.00 0.3
VAY 83.38 323 eP 35 48.60 -0.3
SMF 85.51 337 eP 35 59.70 0.1
1.5s 28.75nm 5.3mb
AVF 85.52 338 eP 35 59.70 0.1
LPL 85.69 335 eP 36 07.00 6.2X
1.6s 25.50nm 5.2mb
LPG 85.70 335 eP 36 07.20 6.2X
0.9s 5.40nm 4.8mb
MAF 86.25 338 eP 36 03.90 0.6
1.5s 21.40nm 5.1mb
PRM 89.22 41 eP 36 13.78 -4.0X
S.D. = 1.2 on 67 of 76 obs.

% JUN 20, 1992 18h 48m 17.99± 0.51s
39.887 N ± 4.2km 28.265 E ± 4.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

KCT 0.37 11 iPg 48 25.60 0.0
DST 0.40 135 iPg 48 25.70 -0.4
iSg 48 31.20
BNT 0.54 331 iPg 48 28.60 -0.3
iSg 48 37.10
EDC 0.55 326 iPg 48 29.00 -0.2
eSg 48 37.00
KGT 0.93 308 ePg 48 35.60 -0.1
eSg 48 50.60
IZI 1.03 64 iPn 48 36.40 -1.1
YLV 1.09 51 iPn 48 38.60 0.1
ISK 1.32 27 ePn 48 43.00 0.6
HRT 1.42 49 iPn 48 44.40 0.5
GPA 1.62 75 ePn 48 47.00 0.3

20d 18h

ALT 1.65 120 ePn 48 47.50 0.3
IZM 1.68 208 iPn 48 47.90 0.3
S.D. = 0.5 on 12 of 12 obs.

% JUN 20, 1992 19h 03m 23.44± 0.56s
35.804 N ± 5.5km 137.859 E ± 6.4km
DEPTH = 10.0km (geophysicist)
EASTERN HONSHU, JAPAN (227)

IIDJ 0.33 172 iP+ 03 29.70 -0.5
S 03 34.30
MTMJ 0.78 357 iP+ 03 38.10 -0.6
S 03 48.40
MAT 0.79 21 iPc 03 37.90 -0.9
eS 03 49.00
CHJJ 0.95 75 iP+ 03 41.20 -0.4
S 03 53.10
TSRJ 1.55 261 P 03 51.50 0.4
S 04 12.30
NIIJ 1.70 32 P 03 53.80 0.5
S 04 17.70
KAKJ 1.92 77 iPd 03 57.00 0.6
S 04 22.10
WKYJ 2.44 230 P 04 04.10 0.1
eS 04 39.00
YAMJ 2.94 36 eP 04 11.90 0.9
S.D. = 0.7 on 9 of 9 obs.

JUN 20, 1992 19h 20m 02.62± 0.77s
35.819 N ± 6.0km 22.393 E ± 4.2km
DEPTH = 47.7 ± 7.3 km
4.4mb (22 obs.) 4.6Msz (1 obs.)
CENTRAL MEDITERRANEAN SEA (400)
MD 4.2 (ATH).

VLI 1.00 26 ePn 20 24.10 3.6X
ATH 2.40 26 ePn 20 43.00 2.8
NPS 2.68 101 ePn 20 45.20 0.9
VLS 2.76 329 ePn 20 47.00 1.6
KEK 4.40 333 ePn 21 08.20 -0.3
SRN 4.47 336 ePn 21 10.00 0.4
KZN 4.51 354 ePn 21 11.50 1.3
PRK 4.60 41 ePn 21 15.90 4.5X
TPE 4.85 338 ePn 21 16.10 1.2
CIN 4.91 67 eP 21 25.00 9.3X
VLO 5.17 335 ePn 21 24.70 5.2X
OHR 5.43 347 iPn 21 23.90 0.7
Lg 23 06.00
VAY 5.50 1 iPn 21 24.60 0.6
SOI 5.55 296 P 21 23.70 -1.1
LCI 5.71 323 P 21 25.90 -1.1
ROI 5.95 311 P 21 30.00 -0.4
ATN 6.02 295 P 21 30.30 -1.1
CZI 6.02 306 P 21 31.50 0.1
PHP 6.06 346 ePn 21 38.10 6.3X
TDS 6.14 310 P 21 32.80 -0.3
MEU 6.15 284 P 21 32.20 -1.1
LACI 6.18 341 ePn 21 28.50 -5.0X
SKO 6.19 353 ePn 21 33.50 -0.2
i 21 33.80
i 22 38.50
LR 24 10.00
ORI 6.33 314 P 21 36.00 0.3
eSn 22 42.50
KKS 6.44 347 ePn 21 38.30 1.1
BRT 6.49 323 P 21 37.00 -1.0
eSg 22 45.00
MNO 6.52 291 P 21 39.20 0.6
SDA 6.59 341 ePn 21 38.20 -1.1
BAI 6.84 322 P 21 41.00 -1.8
MGR 6.91 311 P 21 45.00 1.2
SGO 7.31 312 P 21 48.50 -1.0
DUI 8.51 316 P 22 05.60 -0.5
HVAR 8.66 330 ePn 22 07.50 -0.7
SDI 8.91 314 P 22 10.00 -1.6
CSS 8.97 92 eP 22 11.50 -1.0
eS 23 43.00
ASS 10.44 317 P 22 33.00 0.4
VRI 10.56 17 ePd 22 33.00 -1.2
ARV 10.57 319 P 22 33.00 -1.3
PTJ 11.18 336 eP 22 37.80 -4.9X
SFI 11.44 318 P 22 47.00 0.9
CEY 11.60 331 eP 22 46.50 -1.7
eS 24 49.00
LJU 11.81 332 e(P) 22 48.50 -2.5X
eS 24 56.50
VOY 12.05 330 eP 22 53.30 -1.0
eS 24 59.30
KBA 13.13 332 e(P) 23 08.00 -0.7
e(S) 25 23.00
OJC 14.52 353 eP 23 34.00 7.3X
KHC 14.79 337 P 23 40.00 9.7X
1.0s 3.50nm 3.7mb
e 23 56.00
e 24 08.50
PRU 15.27 340 eP 23 40.50 4.0X
e 24 02.40
KSP 15.65 346 eP 23 45.80 4.4X
e 46 48.00
GRF 16.08 333 eP 23 51.70 4.8X
Z 20s 0.40um
BRG 16.24 341 e(P) 24 09.00 20.2X
SMF 17.61 314 eP 24 07.30 1.3
0.7s 3.00nm 3.5mb
LBF 17.71 315 eP 24 09.20 1.9
CAF 17.93 307 eP 24 22.10 12.1X
LOR 17.93 315 eP 24 10.80 0.8
SSF 18.02 314 eP 24 12.10 1.0
WLF 18.21 324 P 24 29.00 15.6X
LPO 18.41 305 eP 24 24.30 8.4X
0.6s 3.70nm 3.7mb
DOU 19.25 323 P 24 27.00 1.2
0.9s 20.00nm 4.4mb
MFF 20.02 309 eP 24 35.10 1.1
0.6s 7.75nm 4.2mb
LDF 20.91 315 eP 24 43.30 0.1
1.0s 21.20nm 4.4mb
LPF 21.19 312 eP 24 45.70 -0.3
0.7s 8.80nm 4.2mb
FLN 21.20 315 eP 24 46.40 0.3
0.8s 26.60nm 4.6mb
OBN 21.63 23 eP 24 49.00 -1.3
1.0s 18.00nm 4.4mb
e 24 52.00
e 25 00.00
e 25 15.00
NUR 24.75 3 eP 25 20.20 -0.5
HFS 24.97 350 eP 25 22.70 -0.2
0.6s 7.60nm 4.4mb
Z 15s 0.10um 3.4MszX
LR 35 10.00
EKA 26.22 326 P 25 35.00 0.5
0.8s 10.90nm 4.5mb
NB2 26.23 348 P 25 35.40 0.7
0.5s 2.70nm 4.1mb
KAF 26.43 4 iP 25 35.60 -0.8
BCAO 31.43 187 iPd 26 22.30 0.6
0.5s 6.00nm 4.6mb
TIC 38.40 227 P 27 22.00 0.7
KIC 38.46 227 P 27 22.20 0.4
LIC 38.74 227 P 27 24.80 0.7
KSH 42.07 68 eP 27 51.80 0.3
WMQ 49.62 60 eP 28 53.80 2.5
GKN 52.64 80 P 29 12.00 -2.4
0.6s 18.00nm 5.3mb
DMN 53.19 80 P 29 16.20 -2.4
0.8s 34.00nm 5.4mb
KKN 53.25 80 P 29 16.00 -3.0X
0.6s 11.00nm 5.1mb
PKI 53.44 80 P 29 17.40 -3.1X
0.8s 17.00nm 5.1mb
GUN 53.67 79 P 29 19.60 -2.6X
LZH 63.93 63 eP 30 32.50 -0.6
1.0s 13.00nm 4.9mb
HHC 67.14 55 P 30 53.60 0.0
1.0s 7.30nm 4.7mb
CHG 68.54 82 eP 31 02.00 -0.6
TIY 69.24 58 eP 31 06.60 -0.1
Z 20s 0.38um 4.6Msz
E 15s 0.33um
CN2 74.40 47 Pd 31 37.00 -0.2
1.0s 6.10nm 4.5mb
Z 16s 0.29um 4.7MszX
YKA 76.11 341 eP 31 46.50 -0.1
0.6s 0.90nm 3.9mb
IMA 78.39 358 eP 32 00.72 1.4
0.8s 2.48nm 4.3mb
S.D. = 1.1 on 66 of 86 obs.

JUN 20, 1992 19h 34m 50.30± 0.52s
43.467 N ± 9.5km 150.400 E ± 5.8km
DEPTH = 29.8km (5 depth phases)
4.8mb (36 obs.)
EAST OF KURIL ISLANDS (222)

KUR 2.53 315 ePn 35 31.00 0.7
eS 36 00.50
KUSJ 4.17 267 P 35 49.60 -3.9X
eS 36 35.50
HOOJ 5.33 261 eP 36 07.90 -2.0
eS 37 06.40
ASAJ 5.65 279 P 36 14.80 0.3
YSS 6.48 306 ePnc 36 26.00 -0.1
Z 14s 0.80um
N 14s 1.00um
e 37 38.80
MRRJ 6.92 265 eP 36 30.10 -2.2
eS 37 45.20
OFUJ 7.90 239 eP 36 40.20 -5.8X
eS 38 01.50
AOMJ 8.01 252 eP 36 44.00 -3.5X
eS 38 11.10
SKR 8.18 26 ePn 36 47.40 -2.5
Z 14s 1.30um
N 16s 1.40um
E 14s 1.00um
PET 11.02 27 ePn 37 29.00 0.2
MAT 11.62 238 eP 37 33.00 -4.1X
0.9s 10.92nm 5.1mb
eS 39 39.00
MDJ 15.01 282 eP 38 19.50 -2.4
0.8s 11.00nm 4.2mb
CN2 18.05 280 Pd 38 57.80 -2.6
0.7s 6.80nm 3.9mb
Z 14s 0.47um 4.7Msz
N 12s 0.21um
E 12s 0.25um
epP 39 11.00
SEY 19.50 3 eP 39 16.00 -1.7
SNY 19.77 274 iPd 39 21.60 0.9
0.8s 18.00nm 4.4mb
DL2 22.07 268 eP 39 45.00 0.7
1.0s 66.00nm 5.0mb
YAK 22.22 334 eP 39 43.50 -2.0
1.0s 45.00nm 4.9mb
N 14s 0.40um
epP 40 00.00 74kmX
e 40 12.00
eS 43 40.00
esS 44 14.00
BJI 25.65 274 eP 40 21.20 2.3X
1.0s 13.00nm 4.5mb
CIT 25.94 302 eP 40 22.00 0.4
SSE 26.18 252 Pc 40 24.20 0.4
1.0s 24.00nm 4.8mb
TIA 26.43 265 eP 40 27.10 0.9
BOD 26.70 315 eP 40 27.70 -0.7
0.8s 8.00nm 4.4mb
NJ2 27.26 256 eP 40 38.00 4.2X
HHC 28.73 278 P 40 47.80 0.7
Z 16s 0.36um 4.1MszX
TIY 29.22 272 eP 40 53.00 1.5
ILT 29.43 23 eP 40 52.00 -1.0
e 41 02.00
BTO 29.93 279 eP 40 56.50 -1.4
IRK 31.67 303 ePc 41 13.20 0.2
1.4s 12.00nm 4.6mb
Z 13s 0.29um 4.1MszX
N 14s 0.33um
ZAK 32.46 299 ePc 41 21.00 1.2
1.8s 31.00nm 4.9mb
eS 46 36.00
XAN 33.39 268 P 41 28.40 0.2
LZH 36.15 274 iPc 41 53.50 1.6
1.8s 50.00nm 5.1mb
Z 15s 0.19um 4.0MszX
TTA 36.17 39 eP 41 52.28 0.6
0.8s 4.16nm 4.4mb
epP 42 02.14 33km
GTA 37.67 282 eP 42 06.00 1.4
1.5s 15.00nm 4.6mb
Z 12s 0.66um 4.7MszX
pP 42 10.00 14kmX
CD2 38.74 267 eP 42 13.60 0.0
1.0s 26.00nm 5.0mb
GYA 39.16 259 iPc 42 17.40 0.2
0.8s 14.00nm 4.8mb
BALM 42.62 42 eP 42 46.09 0.8
KMI 42.78 261 Pc 42 48.00 0.9
1.5s 50.00nm 5.0mb
WMQ 44.39 293 P 43 01.20 1.4
0.7s 14.00nm 4.9mb

Z 14s 0.31um 4.4MszX
pP 43 08.00 23km
MBC 48.33 19 eP 43 32.00 1.6
CHG 49.50 257 eP 43 40.40 0.3
GUN 53.39 276 P 44 09.00 -0.8
0.8s 30.00nm 5.3mb
KKN 53.89 276 P 44 12.60 -0.7
0.8s 24.00nm 5.3mb
PKI 53.93 276 P 44 13.20 -0.5
DMN 54.12 276 P 44 14.20 -0.9
GKN 54.24 276 P 44 15.00 -0.8
1.0s 34.00nm 5.3mb
YKA 54.71 35 eP 44 17.70 -0.9
0.9s 1.60nm 4.0mb
SVE 54.96 318 ePc 44 21.10 0.6
ARU 56.15 318 eP 44 29.00 -0.1
PNT 58.77 50 eP 44 47.00 -0.8
NEW 60.73 50 eP 45 00.00 -1.2
1.0s 6.50nm 4.7mb
epP 45 10.00 33km
ORV 63.04 60 eP 45 15.50 -1.3
WRA 64.80 197 P 45 26.20 -2.1
0.6s 1.50nm 4.3mb
KAF 65.60 335 iP 45 32.60 -0.5
TNP 66.60 59 eP 45 38.59 -1.5
0.8s 2.94nm 4.4mb
OBN 66.92 325 eP 45 41.00 -0.5
1.2s 22.00nm 5.1mb
NUR 67.34 334 iP 45 43.50 -0.7
DUG 67.99 55 eP 45 49.00 0.2
epP 45 59.00 32km
BW06 68.26 51 eP 45 50.00 -0.6
1.0s 1.83nm 4.1mb
DAU 68.78 54 (P) 45 55.53 1.6
epP 46 04.40 28km
NB2 70.69 340 P 46 04.50 -0.4
0.5s 2.10nm 4.5mb
HFS 70.84 339 eP 46 05.40 -0.3
0.8s 11.10nm 5.0mb
CLL 78.62 334 iPd 46 51.70 1.2
EKA 79.04 345 Pc 46 51.90 -0.8
2.6s 94.80nm 5.3mb
PRU 79.26 333 eP 46 55.40 1.4
KHC 80.32 333 P 47 05.00 5.3X
e 47 11.00
e 47 38.00
GEC2 80.53 333 P 47 01.20 0.3
0.7s 0.69nm 3.8mb
SKO 83.38 324 eP 47 17.20 1.5
LBF 85.16 338 eP 47 26.50 1.8
SMF 85.51 338 eP 47 28.30 1.9
0.9s 6.40nm 4.8mb
AVF 85.51 338 eP 47 28.30 1.9
1.0s 8.20nm 4.9mb
LPG 85.71 335 eP 47 30.00 2.2
0.7s 4.50nm 4.8mb
MAF 86.25 338 eP 47 32.60 2.5X
0.7s 4.20nm 4.8mb
LSF 86.50 339 eP 47 33.40 2.1
1.0s 6.60nm 4.8mb
S.D. = 1.3 on 65 of 73 obs.

& JUN 20, 1992 19h 48m 35.51s
40.460 N 124.195 W
DEPTH = 21.7km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 2.9 (GM).

FHC 0.38 25 iPd 48 43.55 0.0
ORV 2.26 113 (P) 49 08.39 -3.9
2 obs. associated

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* JUN 20, 1992 20h 17m 04.76± 1.33s
67.609 N ± 9.4km 162.752 W ±13.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ALASKA (676)
ML 3.1 (PMR).

ANM 3.24 200 eP 17 57.12 0.5
iS 18 38.87
IMA 3.90 109 eP 18 06.54 0.4
BRW 4.27 27 eP 18 10.86 -0.3
TTA 5.48 146 eP 18 27.25 -1.2
0.4s 1.56nm 4.0mb X
eS 19 30.07
FBA 6.62 107 eP 18 45.20 0.8
SVW 7.22 151 eP 18 52.60 -0.2
S.D. = 1.0 on 6 of 6 obs.

? JUN 20, 1992 21h 18m 34.86± 0.74s
33.771 N ±12.3km 68.773 E ± 9.6km
DEPTH = 33.0km (normal)
4.2mb (4 obs.)
AFGHANISTAN (709)

QUE 3.89 204 eP 19 34.00 0.0
e 20 55.30
NDI 8.83 123 e(P) 21 22.50 39.3X
GKN 14.78 109 P 22 03.20 -0.2
DMN 15.33 109 P 22 12.80 2.1
KKN 15.38 108 P 22 09.80 -1.5
PKI 15.58 109 P 22 13.60 -0.4
NUR 39.04 327 iP 25 59.90 0.0
0.4s 2.30nm 4.3mb
HFS 44.14 324 eP 26 41.90 0.3
0.4s 1.30nm 4.1mb
NB2 45.51 325 P 26 52.40 -0.3
0.6s 2.00nm 4.2mb
YKA 84.03 2 eP 30 56.20 -6.7X
0.5s 0.40nm 3.8mb
S.D. = 1.2 on 8 of 10 obs.

& JUN 20, 1992 21h 37m 03.16s
33.979 N 116.268 W
DEPTH = 5.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.6 (PAS).

PEC 0.75 264 eP 37 16.93 -1.2
eS 37 24.64
PLM 0.80 219 iPd 37 17.94 -1.3
eS 37 29.26
SSK 1.20 281 ePc 37 25.05 -1.1
eS 37 41.35
GLA 1.52 127 ePn 37 28.97 -2.1
ePg 37 30.88
eS 37 52.63
4 obs. associated

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* JUN 20, 1992 21h 37m 11.11± 0.81s
67.644 N ± 8.2km 15.083 E ± 9.2km
DEPTH = 10.0km (geophysicist)
NORTHERN NORWAY (646)
MD 2.9 (BER).

LOF 0.76 311 iPc 37 25.94 0.0
eSg 37 36.06
KTK1 3.32 62 eP 38 04.93 0.8
eSg 38 54.26
ARA0 4.27 59 Pn 38 16.77 -0.8
Pg 38 28.32
NRA0 7.11 194 P 38 58.03 0.5
HFS 7.56 185 eP 39 03.50 -0.5
0.2s 0.40nm 4.3mb X
S.D. = 0.9 on 5 of 5 obs.

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* JUN 20, 1992 23h 01m 27.51± 0.82s
67.635 N ± 8.3km 15.045 E ± 9.5km
DEPTH = 10.0km (geophysicist)
NORTHERN NORWAY (646)
MD 3.3 (BER). ML 2.7 (NAO).

LOF 0.76 312 iPc 01 42.25 0.0
eSg 01 52.23
iS 01 52.37
TRO 2.46 34 ePg 02 12.00 3.8X
eSg 02 43.50
KTK1 3.34 62 eP 02 21.65 0.9
eSg 03 09.77
ARA0 4.28 59 Pn 02 33.34 -0.8
Pg 02 44.57
Sn 03 23.25
Lg 03 40.71
NRA0 7.09 194 P 03 14.32 0.5
HFS 7.55 185 eP 03 19.70 -0.6
0.2s 0.70nm 4.5mb
S.D. = 1.0 on 5 of 6 obs.

& JUN 21, 1992 00h 47m 53.29s
33.952 N 116.309 W
DEPTH = 4.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 2.5 (PAS).

PEC 0.71 265 iPc 48 06.45 -1.0
eS 48 14.40
PLM 0.75 218 iPd 48 07.46 -0.9
eS 48 17.18
SSK 1.18 283 eP 48 14.48 -1.5
eS 48 31.32
GLA 1.53 126 ePn 48 19.86 -1.6
ePg 48 21.60
eS 48 42.03
ISA 2.47 314 eP 48 37.93 2.9
5 obs. associated

? JUN 21, 1992 01h 10m 00.56± 0.89s
15.671 S ±30.1km 69.239 W ±15.5km
DEPTH = 200.0km (geophysicist)
4.2mb (1 obs.)
PERU-BOLIVIA BORDER REGION (118)

ZOBO 1.23 120 iPd 10 33.90 0.9
i 11 00.00
LPB 1.39 128 P 10 34.20 0.1
i 10 59.00
CNCB 1.66 133 iPd 10 36.00 -0.6
i 11 02.00
SIV 7.87 93 eP 11 53.00 -0.2
NNA 8.24 295 eP 11 58.00 -0.1
0.5s 7.04nm 4.2mb
iS 13 23.50
S.D. = 0.8 on 5 of 5 obs.

JUN 21, 1992 01h 29m 19.34± 1.06s
1.586 N ± 4.8km 126.850 E ± 8.7km
DEPTH = 95.4 ± 10.7 km
5.0mb (13 obs.)
NORTHERN MOLUCCA SEA (266)

MNI 2.02 266 ePd 29 54.00 1.5
eS 30 17.00
BIP 6.62 355 ePc 30 54.00 -1.8
eS 32 09.00
WWKK 17.54 107 eP 33 19.20 -0.2
GUA 21.46 56 eP 34 24.50 22.9X
WB2 22.63 161 eP 34 12.20 -0.9
0.3s 55.30nm 5.4mb
eS 38 17.50
MBL 23.63 197 eP 34 23.00 0.3
QIS 25.31 151 e(P) 34 35.50 -3.3X
0.9s 74.00nm 5.1mb
ASPA 26.02 165 eP 34 44.80 -0.6
0.6s 29.90nm 5.0mb
eS 39 21.60
NJ2 31.23 347 eP 35 32.50 0.6
CHG 32.27 304 eP 35 40.00 -1.2
MRWA 32.34 198 eP 35 40.00 -1.7
BAL 33.44 196 eP 35 51.00 -0.2
KLB 34.11 194 eP 35 56.50 -0.4
MUN 34.87 196 eP 36 03.00 -0.4
TIA 35.61 346 eP 36 09.00 -0.7
STK 36.10 158 iPd 36 13.60 -0.2
0.6s 6.30nm 4.7mb
MAT 36.34 16 eP 36 12.00 -3.8X
1.0s 15.00nm 4.9mb
XAN 36.38 334 eP 36 15.50 -0.7
TIY 38.32 341 eP 36 33.00 0.5
BJI 39.49 347 eP 36 42.00 0.0
1.4s 95.00nm 5.4mb
ARMA 39.63 145 iPd 36 43.90 0.4
1.0s 50.00nm 5.3mb
LZH 40.41 331 eP 36 50.00 0.1
1.5s 28.00nm 4.9mb
pP 37 05.00 59kmX
BWA 41.15 152 eP 36 57.60 1.8
HHC 41.46 342 eP 36 58.80 0.4
1.4s 45.00nm 5.1mb
CN2 42.05 358 eP 37 05.00 2.0
CAN 42.16 153 eP 37 04.90 0.8
KSH 59.62 316 P 39 19.00 3.2X
YAK 60.32 2 eP 39 18.90 -1.1
1.2s 50.00nm 5.5mb
MAIO 70.91 308 eP 40 29.00 0.5
1.1s 14.13nm 4.7mb
TTA 82.75 27 eP 41 34.90 1.1
0.7s 8.23nm 4.7mb
REF 83.91 29 eP 41 39.84 -0.1
SLKM 85.14 30 eP 41 45.71 -0.1
PMR 85.76 28 eP 41 48.97 0.2
0.9s 10.05nm 4.8mb

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    S.D. = 1.0  on  29 of  33 obs.
------------------------------------
• JUN 21, 1992  01h 54m 26.91± 1.01s
  44.239 N ± 9.2km   17.161 E ± 9.9km
  DEPTH =  10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION       (383)
    MD 3.1 (TRI).

HVAR      1.18 206 ePn    54 48.70  -0.2
                   iSn    55 09.70
ZAG       1.79 333 ePg    55 01.00   3.0X
                   eSg    55 26.00
VBY       1.85 314 e(Pn)  55 00.20   1.2
                   e      55 06.20
                   e      55 25.40
                   e(Sn)  55 30.70
PTJ       1.87 333 iPn    54 58.10  -1.2
                   iSn    55 23.40
RIY       2.26 300 eP     55 05.60   0.7
CEY       2.45 309 e(Pn)  55 06.80  -0.8
                   e      55 09.00
                   e      55 12.00
                   eSn    55 42.50
LJU       2.59 315 e(Pn)  55 13.00   3.4X
                   eSn    55 45.00
TRI       2.82 303 ePn    55 19.30   6.4X
                   eSg    55 57.70
VOY       2.93 309 e(Pg)  55 21.80   7.4X
                   eSn    55 51.40
BZS       3.45  65 ePc    55 22.00   0.2
    S.D. = 1.2  on   6 of  10 obs.
------------------------------------
• JUN 21, 1992  02h 25m 42.17± 1.46s
  26.114 S ±22.4km   26.995 E ±13.4km
  DEPTH =   5.0km  (geophysicist)
 REPUBLIC OF SOUTH AFRICA         (584)
    mbLg 3.6 (BUL).

BUL       6.13  14 iPnd   27 15.70   0.0
                   iSn    28 19.50
                   iSg    28 58.50
WIN       9.69 289 eP     28 05.20  -0.3
                   S      29 43.20
KIC      44.62 312 P      33 57.70   0.2
TIC      45.01 312 P      34 01.20   0.5
         0.4s      6.50nm          4.9mb X
RJF      74.77 342 eP     37 24.80  -0.1
SMF      75.39 344 eP     37 28.30  -0.1
         0.6s      2.05nm          4.4mb
GEC2     75.56 351 PKP    37 28.60  -0.9
         0.5s      0.36nm          3.7mb
AVF      75.65 343 eP     37 29.90   0.0
         0.5s      2.75nm          4.6mb
LBF      75.67 344 eP     37 30.40   0.3
         0.8s      2.95nm          4.4mb
SSF      75.86 344 eP     37 30.70  -0.4
         0.7s      1.85nm          4.3mb
LOR      75.97 344 eP     37 31.30  -0.4
MFF      76.43 341 eP     37 34.50   0.2
         0.6s      3.25nm          4.6mb
GRF      76.76 350 iPc    37 37.10   1.0
    S.D. = 0.5  on  13 of  13 obs.
------------------------------------
  JUN 21, 1992  04h 53m 58.57± 0.60s
  42.010 N ± 5.7km   20.607 E ± 5.4km
  DEPTH =  10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION       (383)
    ML 2.6 (TTG), 2.2 (TIR).

KKS       0.16 294 iPgd   54 01.50  -0.7
                   iSg    54 04.50
PHP       0.35 201 iPgc   54 04.90  -0.8
                   iSg    54 10.90
SKO       0.62  93 iPgc   54 10.10  -1.0
         0.2s    109.00nm
                   iSg    54 18.40
                   i      54 20.00
                   i      54 20.50
PVY       0.75 321 iPgd   54 12.05  -1.3
                   iSg    54 24.51
LACI      0.77 241 ePg    54 12.70  -0.8
SDA       0.83 271 ePg    54 16.40   1.9
                   iSg    54 30.70
OHR       0.91 171 iPg    54 16.40   0.4
                   iSg    54 29.00
                   Lg     54 31.80
IVA       1.01 329 iPgc   54 17.32  -0.4
                   iSg    54 33.12
ULC       1.01 268 iPgd   54 17.20  -0.6
                   iSg    54 33.45
TTG       1.08 293 iPgd   54 17.62  -1.3
                   iSg    54 35.58
BDV       1.35 282 iPgc   54 23.78   0.4
                   iSg    54 45.26
NKY       1.44 304 iPgd   54 24.57  -0.2
                   iSg    54 47.50
PLE       1.59 326 iPnd   54 28.08   1.1
                   iSn    54 50.67
VAY       1.62 114 iPn    54 28.30   1.0
HCY       1.63 286 iPnc   54 28.25   0.9
                   iSn    54 52.60
BRY       1.77 301 iPnd   54 30.95   1.4
                   iSn    54 55.02
TPE       1.77 195 ePg    54 36.00   6.5X
LSK       1.86 180 ePg    54 21.20  -9.6X
    S.D. = 1.1  on  16 of  18 obs.
------------------------------------
? JUN 21, 1992  04h 57m 54.97± 3.97s
  45.039 N ±22.2km    3.071 E ±29.3km
  DEPTH =  10.0km  (geophysicist)
 FRANCE                           (538)
    ML 1.7 (LDG).

CAF       0.72 261 Pg     58 08.00  -1.2
                   Sg     58 17.50
RJF       1.13 284 Pg     58 16.50   0.3
                   Sg     58 30.10
MAF       1.23 344 Pg     58 17.70  -0.2
                   Sg     58 33.60
LPO       1.39 256 Pg     58 21.20   0.9
                   Sg     58 38.30
TCF       1.39 335 Pg     58 21.10   0.7
                   Sg     58 38.50
BGF       1.53 354 Pg     58 21.80  -0.5
                   Sg     58 41.70
EPF       2.81 225 Pg     58 45.40   4.6X
    S.D. = 1.0  on   6 of   7 obs.
------------------------------------
  JUN 21, 1992  05h 46m 02.88± 0.67s
  6.336 S ± 8.6km  146.574 E ± 8.3km
  DEPTH =  50.5 ± 10.4 km
  4.2mb (  1 obs.)  3.6Msz (  1 obs.)
 EASTERN NEW GUINEA REG., P.N.G. (207)

LAT       0.53 127 iPd    46 13.20  -1.3
YYYY      0.61 279 eP     46 15.20  -0.5
FINC      1.30 102 eP     46 26.00   1.0
MDG       1.34 324 iPd    46 24.80  -0.7
MNDI      2.90 273 eP     46 51.20   3.2X
PMG       3.11 169 iPd    46 50.30  -0.3
WWKK      3.99 312 eP     47 05.00   1.9
RAB       5.97  69 eP     47 31.00   0.1
CTA      13.67 181 eP     49 18.00   2.0
         0.6s     18.67nm          5.1mb X
QIS      15.67 205 ePd    49 40.70  -1.3
ASPA     21.11 214 eP     50 46.50   0.9
         0.7s      7.80nm          4.2mb
     Z   22s       0.30um          3.6Msz
                   e      50 59.40
CHG      53.18 299 eP     55 17.50  -1.0
                   e      57 57.00
ZOBO    138.96 124 PKP    05 39.00  11.6X
SIV     144.77 129 ePKP   05 36.00  -0.8
KIC     151.49 272 PKP    05 53.80   6.3X
LIC     151.77 271 PKP    05 54.40   6.5X
TIC     151.78 272 PKP    05 53.60   5.6X
    S.D. = 1.4  on  12 of  17 obs.
------------------------------------
• JUN 21, 1992  06h 08m 47.48± 1.23s
  47.445 N ±18.0km  150.289 E ±21.5km
  DEPTH =  33.0km  (normal)
  4.2mb (  1 obs.)
 KURIL ISLANDS                    (221)

KUSJ      5.86 224 eP     10 13.40  -0.9
                   eS     11 12.90
ASAJ      6.30 241 eP     10 28.90   8.5X
HOOJ      7.09 227 eP     10 32.50   1.0
                   eS     11 45.10
MRRJ      8.24 236 eP     10 51.50   3.9X
                   eS     12 16.90
YKA      51.51  36 eP     17 51.60   0.0
         0.7s      2.30nm          4.2mb
GUN      53.03 273 P      18 03.40  -0.5
         0.4s     18.00nm          5.4mb X
KKN      53.51 273 P      18 07.40   0.2
         0.6s     30.00nm          5.5mb X
PKI      53.57 273 P      18 07.60  -0.2
DMN      53.75 273 P      18 09.20   0.2
         0.6s     19.00nm          5.3mb X
GKN      53.81 274 P      18 09.40   0.1
         0.4s     21.00nm          5.5mb X
    S.D. = 0.6  on   8 of  10 obs.
------------------------------------
% JUN 21, 1992  06h 31m 17.18± 1.54s
  37.876 S ± 8.9km  176.246 E ± 7.4km
  DEPTH = 238.7 ± 13.9 km
 NORTH ISLAND, NEW ZEALAND        (159)

UTU       0.30 188 P      31 48.10  -0.3
TAZ       0.41 150 P      31 48.20  -0.4
PATZ      0.50 179 P      31 48.70  -0.3
WHH       1.03 169 P      31 50.80  -0.7
KUZ       1.20 339 P      31 52.50   0.0
MOZ       1.30 241 P      31 53.90   0.7
NOZ       1.59 118 P      31 55.70   0.3
PUZ       1.60  98 P      31 55.20  -0.3
                   eS     32 19.70
TTH       1.72 165 P      31 57.20   0.7
WAHZ      1.82 177 P      31 57.80   0.3
MAHZ      1.83 136 eP     31 58.30   0.8
BSZ       2.18 208 eP     32 01.20   0.5
PGZ       2.74 180 P      32 06.70   0.2
MNG       2.80 192 P      32 07.20   0.0
                   eS     32 41.50
KIW       3.16 199 P      32 11.00  -0.1
MTW       3.33 190 P      32 12.50  -0.6
CAW       3.35 195 P      32 13.20  -0.2
DIW       3.43 211 P      32 14.40   0.1
BLW       3.54 189 eP     32 15.20  -0.3
MRW       3.56 199 P      32 15.30  -0.4
                   eS     32 57.10
MOW       3.62 192 P      32 15.90  -0.6
TCW       3.66 204 P      32 16.80  -0.1
KHZ       4.99 204 P      32 33.30   0.4
DSZ       5.16 220 P      32 35.30   0.1
LTZ       5.77 211 eP     32 42.80   0.1
    S.D. = 0.4  on  25 of  25 obs.
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  JUN 21, 1992  07h 29m 41.35± 0.31s
  52.285 N ± 7.3km  169.423 W ± 3.7km
  DEPTH =  40.7km  ( 18 depth phases)
  4.9mb ( 55 obs.)  4.6Msz (  3 obs.)
 FOX ISLANDS, ALEUTIAN ISLANDS    (  9)
    ML 4.7 (PMR).

ADK       4.50 268 iP     30 48.32  -0.5
SDN       6.11  56 (P)    31 11.73   0.3
KDC      11.14  54 eP     32 24.10   3.2X
SVW      11.62  35 (P)    32 26.75  -0.8
REF      12.35  42 eP     32 35.64  -1.8
CRP      13.02  40 eP     32 44.70  -1.5
SLKM     13.41  45 eP     32 47.71  -3.5X
PMS      14.06  43 eP     32 57.30  -2.4
PMR      14.41  42 eP     33 04.09  -0.2
KLU      15.72  45 eP     33 16.33  -5.0X
TOA      15.89  43 eP     33 21.10  -2.3
IMA      15.93  24 eP     33 22.79  -1.2
         1.0s      5.39nm          3.6mb X
BALM     17.15  49 eP     33 36.88  -2.6
BRW      19.92  12 eP     34 10.14  -1.8
GMW      29.98  80 eP     35 48.91   1.0
                   epP    36 00.38  43km
YKA      30.32  49 eP     35 49.20  -1.5
         0.8s      3.20nm          4.1mb
RMW      30.62  80 eP     35 54.16   0.6
MBC      30.63  21 eP     35 53.50   0.3
         0.5s      2.00nm          4.1mb
LON      30.94  81 (P)    35 57.42   1.0
                   epP    36 08.26  40km
PNT      31.12  75 eP     35 58.00   0.1
KUSJ     31.73 272 P      36 00.50  -2.8
ASAJ     32.45 275 P      36 10.00   0.4
DPW      32.60  77 eP     36 10.73  -0.2
                   epP    36 22.25  43km
SES      35.67  69 ePc    36 36.00  -1.3
                   pP     36 48.00  44km
LRM      37.04  77 eP     36 48.70  -0.4
HPI      37.78  80 eP     36 55.90   0.5
                   epP    37 06.97  40km
PTI      38.69  81 eP     37 03.78   0.9
```

epP 37 15.43 42km
HVU 39.07 82 eP 37 06.31 0.2
MAT 39.66 268 eP 37 10.00 -0.8
1.2s 23.44nm 4.9mb
eS 43 25.00
DUG 39.99 84 eP 37 13.50 -0.1
1.4s 7.68nm 4.3mb
BW06 40.45 79 ePc 37 17.00 -0.5
0.9s 8.19nm 4.5mb
epP 37 28.50 41km
DAU 40.81 83 ePd 37 20.98 0.4
ipP 37 32.72 42km
FCC 41.02 50 eP 37 24.00 2.3
ARUT 41.08 88 (P) 37 23.64 0.9
epP 37 35.73 44km
SRU 42.05 84 eP 37 30.70 0.1
ipP 37 42.66 43km
CN2 43.00 286 Pc 37 37.20 -0.9
0.8s 11.00nm 4.6mb
Z 18s 0.35um 4.3Msz
epP 37 43.00 19kmX
PV10 43.41 84 eP 37 41.29 -0.5
epP 37 52.79 41km
GOL 44.81 80 iPc 37 53.20 0.0
0.8s 8.92nm 4.7mb
ipP 38 04.27 39km
IRK 49.68 306 eP 38 30.80 0.1
1.5s 25.00nm 5.0mb
TIA 52.73 283 eP 38 52.70 -1.3
1.2s 19.00nm 5.0mb
HHC 52.92 291 Pd 38 55.40 -0.1
1.2s 22.00nm 5.0mb
Z 18s 0.48um 4.6Msz
TUL 53.04 77 eP 38 52.90 -3.4X
0.8s 5.50nm 4.6mb
e 39 04.90 42km
SSE 53.77 276 Pc 39 01.50 -0.2
1.2s 26.00nm 5.1mb
TIY 54.50 288 eP 39 06.70 -0.4
Z 20s 0.63um 4.7Msz
NJ2 54.53 278 Pc 39 06.00 -1.3
1.0s 27.00nm 5.2mb
FVM 54.81 72 eP 39 06.57 -2.8
0.8s 6.82nm 4.7mb
(pP) 39 17.77 38km
EEO 55.30 57 eP 39 14.00 1.2
WHN 58.32 280 iPd 39 34.00 -0.4
1.0s 27.00nm 5.3mb
XAN 59.09 287 eP 39 38.50 -1.3
1.5s 26.00nm 5.1mb
GTA 60.49 297 P 39 48.00 -1.4
1.0s 9.00nm 4.9mb
LZH 60.59 292 Pc 39 49.50 -0.7
1.4s 30.00nm 5.2mb
Z 15s 0.44um 4.7MszX
pP 40 00.00 35km
NAV 60.79 66 eP 39 49.78 -1.6
CVL 61.61 64 iP 39 56.04 -0.9
JSC 62.70 69 iP 40 02.39 -1.7
epP 40 13.37 36km
LHS 62.81 68 iPd 40 03.25 -1.6
ipP 40 14.31 37km
LMN 62.87 49 eP 40 06.00 0.8
WMQ 63.56 308 Pd 40 09.20 -0.6
0.9s 14.00nm 5.1mb
Z 16s 0.31um 4.6MszX
CD2 64.37 288 P 40 14.70 -0.5
1.2s 50.00nm 5.5mb
KAF 65.27 352 iP 40 19.30 -1.2
0.9s 13.30nm 5.0mb
GYA 65.92 282 P 40 25.00 -0.3
NUR 66.99 352 iP 40 30.70 -0.8
0.9s 21.00nm 5.2mb
NB2 67.03 360 P 40 30.20 -1.6
0.8s 7.90nm 4.8mb
HFS 67.91 358 eP 40 36.00 -1..3
0.8s 14.40nm 5.1mb
KSH 72.46 312 eP 41 05.70 0.3
LSA 72.46 296 P 41 06.00 0.0
GAR 75.33 316 eP 41 21.40 -0.6
CHG 76.33 283 eP 41 28.00 0.2
GUN 76.73 298 P 41 29.80 -0.6
0.6s 21.00nm 5.3mb
CLL 76.76 358 iP 41 29.80 0.1
1.5s 13.00nm 4.7mb
KSP 77.13 356 iPd 41 32.10 0.3
KKN 77.15 299 P 41 31.80 -0.8
0.8s 21.00nm 5.2mb
BRG 77.18 358 eP 41 32.70 0.7
1.4s 19.00nm 4.9mb
PKI 77.26 299 P 41 32.20 -1.1
GKN 77.33 299 P 41 32.80 -0.7
0.8s 36.00nm 5.5mb
DMN 77.39 299 P 41 33.20 -0.7
MOX 77.44 359 eP 41 34.10 0.6
OJC 77.57 354 eP 41 34.50 0.3
PRU 78.05 357 eP 41 37.00 0.2
GRF 78.40 360 iPc 41 40.00 1.2
1.1s 12.00nm 4.8mb
SPC 78.57 354 eP 41 39.80 -0.2
KHC 78.93 358 P 41 42.00 0.3
1.3s 13.90nm 4.8mb
e 41 54.50 42km
GEC2 79.21 358 P 41 36.80 -6.6X
0.9s 2.64nm 4.2mb
GEC2 79.21 358 P 41 52.60 9.2X
0.6s 1.12nm 4.0mb X
GEC2 79.21 358 P 41 49.40 6.0X
0.7s 0.82nm 3.8mb X
CDF 79.64 2 eP 41 46.30 0.6
1.3s 15.15nm 4.8mb
ZST 79.74 356 eP 41 47.00 0.9
HAU 80.02 3 iPc 41 48.40 0.8
1.1s 13.45nm 4.8mb
SRO 80.06 355 eP 41 47.80 0.0
BSF 80.21 3 eP 41 49.40 0.7
1.1s 14.40nm 4.9mb
LOR 80.66 5 eP 41 51.60 0.6
1.4s 33.55nm 5.1mb
SSF 80.85 5 eP 41 52.80 0.8
1.1s 12.95nm 4.8mb
LBF 80.95 5 eP 41 53.00 0.4
1.2s 14.30nm 4.8mb
KBA 80.99 358 iPc 41 54.30 1.4
1.1s 29.80nm 5.2mb
i 42 01.10 22kmX
AVF 81.11 5 iPc 41 54.10 0.8
1.0s 11.00nm 4.8mb
SMF 81.28 5 iPc 41 55.00 0.7
1.1s 19.80nm 5.0mb
BGF 81.31 5 eP 41 55.10 0.7
1.2s 16.35nm 4.9mb
LSF 81.54 6 eP 41 56.30 0.7
1.3s 33.30nm 5.2mb
TCF 81.54 6 eP 41 56.30 0.6
1.3s 22.40nm 5.0mb
MAF 81.63 6 eP 41 57.00 0.9
CTA 81.74 222 eP 41 56.50 -0.4
0.7s 26.71nm 5.4mb
LPL 82.52 3 eP 42 03.00 2.0
0.9s 4.10nm 4.5mb
LPG 82.54 3 eP 42 03.40 2.2
0.9s 4.10nm 4.5mb
CAF 82.89 6 eP 42 03.80 1.1
1.0s 8.20nm 4.7mb
BNI 82.98 3 P 42 05.90 2.6
LPO 83.07 7 eP 42 03.80 0.2
BOB 83.32 1 P 42 06.40 1.4
MME 83.90 360 P 42 10.70 2.6
SFI 84.17 359 P 42 11.50 2.4
SBF 84.19 2 eP 42 10.70 1.3
1.1s 25.40nm 5.3mb
QUE 84.25 314 eP 42 11.20 1.1
FRF 84.47 3 eP 42 12.00 1.3
1.2s 30.65nm 5.3mb
LRG 84.57 3 eP 42 12.80 1.6
EPF 84.65 8 eP 42 12.20 0.5
0.9s 10.95nm 5.0mb
LMR 84.70 3 eP 42 13.30 1.5
1.1s 20.25nm 5.2mb
ASS 85.01 358 P 42 15.00 1.5
PGF 85.54 1 eP 42 17.40 1.2
1.3s 61.00nm 5.6mb
SKO 85.65 352 iP 42 16.90 0.3
VAY 86.19 351 eP 42 20.40 1.1
RMQ 86.55 217 eP 42 21.00 0.0
OHR 86.56 352 eP 42 11.00 -10.2X
WRA 86.92 232 P 42 22.40 -0.6
0.8s 1.10nm 4.1mb
HYB 89.15 298 eP 42 34.00 0.0
ASPA 90.32 230 eP 42 47.30 8.2X
1.5s 7.90nm 4.8mb
BUL 144.98 330 iPKPc 49 15.60 -0.2
WIN 149.91 348 ePKP 49 28.20 4.5X
SLR 150.29 326 iPKPc 49 30.10 6.0X
0.8s 33.58nm
MAW 150.79 218 (PKP) 49 29.00 5.7X
1.0s 10.00nm
PRY 151.67 327 iPKPc 49 32.70 6.5X
1.0s 10.00nm
BLF 154.11 327 ePKP 49 35.50 5.9X
S.D. = 1.1 on 115 of 129 obs.

JUN 21, 1992 08h 07m 46.57± 0.82s
30.428 N ±10.6km 89.394 E ± 6.0km
DEPTH = 27.8 ± 7.5 km
4.2mb (2 obs.)
XIJANG (306)
ML 3.8 (BJI).

LSA 1.69 115 Pg 08 15.00 0.0
Sg 08 36.00
GUN 3.97 232 P 08 47.80 0.4
0.6s 30.00nm
KKN 4.46 235 P 08 54.80 0.5
0.4s 21.00nm
PKI 4.50 232 P 08 54.80 -0.2
DMN 4.69 234 P 08 57.60 0.0
0.4s 22.00nm
GKN 4.81 241 P 08 57.80 -1.3
0.6s 33.00nm
NDI 10.75 264 iPd 10 21.80 0.1
GTA 12.38 41 eP 10 42.60 -1.3
Z 15s 0.57um
N 10s 0.77um
WMQ 13.44 355 P 11 03.10 5.2X
Z 11s 0.55um
CHG 14.45 141 eP 11 08.00 -3.2X
GYA 15.70 100 P 11 30.80 3.3X
Z 10s 1.01um
XAN 16.91 73 eP 11 44.00 1.2
HHC 20.75 54 eP 12 28.00 0.3
Z 14s 0.59um 4.1MszX
N 13s 0.28um
E 12s 0.27um
SNG 25.42 153 eP 13 16.20 2.7X
MAIO 25.59 291 eP 13 17.00 1.9
MLR 50.97 306 eP 16 48.00 0.1
GEC2 58.71 311 P 17 42.80 -1.3
0.5s 1.73nm 4.4mb
WRA 66.16 133 P 18 34.00 0.1
0.6s 0.80nm 4.0mb
WB2 66.16 133 eP 18 33.60 -0.3
0.6s 3.40nm 4.6mb X
S.D. = 1.0 on 15 of 19 obs.

& JUN 21, 1992 08h 17m 55.26s
60.304 N 152.298 W
DEPTH = 88.0km
SOUTHERN ALASKA (2)
<AEIC>.

RED 0.26 296 iPc 18 07.87 -0.7
eS 18 17.79
REF 0.27 313 iPc 18 07.85 -0.9
eS 18 18.26
RS1 0.28 305 iPc 18 08.23 -0.6
RSO 0.28 305 iPc 18 08.22 -0.6
eS 18 18.26
RS2 0.28 305 iPc 18 08.21 -0.6
INE 0.45 238 ePc 18 09.00 -0.9
eS 18 20.60
INW 0.48 241 ePc 18 09.09 -0.9
NNL 0.57 117 iPc 18 10.97 0.4
HOM 0.73 153 iPd 18 11.96 -0.1
eS 18 24.86
BKG 0.77 1 iPd 18 11.75 -0.9
eS 18 24.89
SPU 0.89 8 iPd 18 13.02 -0.9
eS 18 27.10
BRLK 0.89 127 ePd 18 13.06 -0.9
CKL 0.90 359 iPd 18 13.12 -0.9
XLV 0.90 161 eP 18 13.01 -1.0
CKN 0.93 3 ePd 18 13.57 -0.7
CPKM 0.96 2 iP 18 13.94 -1.0
BGL 0.96 357 iPd 18 14.04 -0.8
CRP 0.97 4 iPd 18 13.59 -1.3
eS 18 28.18
CGLM 1.02 8 iPd 18 14.57 -0.8
eS 18 29.53
SLKM 1.05 78 ePc 18 14.47 -1.3

21d 08h

PDB 1.08 242 iPc 18 14.86 -1.2
eS 18 30.34
AUL 1.09 212 ePd 18 15.33 -0.8
AUE 1.09 210 ePd 18 15.17 -1.0
AUP 1.10 211 ePd 18 15.61 -0.8
AUH 1.11 212 ePd 18 15.61 -0.8
NCG 1.11 4 iPd 18 15.49 -1.0
AUI 1.13 211 ePd 18 15.60 -1.0
eS 18 31.00
SUA 1.39 32 iPc 18 19.38 -0.7
eS 18 38.22
SEW 1.44 97 eP 18 18.49 -2.0
MCNL 1.52 223 iPd 18 20.34 -1.3
eS 18 39.43
CDD 1.54 207 iPd 18 20.43 -1.4
eS 18 40.60
PMS 1.64 54 P 18 22.20 -1.0
SYI 1.70 182 ePd 18 23.05 -0.9
PTE 1.71 69 ePc 18 22.34 -1.7
SKT 1.72 12 ePd 18 22.28 -2.0
PWA 1.79 40 P 18 24.70 -0.4
S 18 47.30
SVW 1.82 298 P 18 23.70 -1.9
S 18 45.80
PMR 2.01 49 eP 18 26.80 -1.3
KNK 2.18 58 iPc 18 28.46 -2.0
eS 18 54.10
GHO 2.21 47 ePc 18 28.96 -1.8
eS 18 54.04
CUT 2.32 24 eP 18 30.95 -1.3
SML 2.45 50 iPc 18 32.07 -2.0
KDC 2.57 182 P 18 33.20 -2.4
SCM 2.86 55 ePc 18 37.54 -2.2
HIN 2.88 86 ePc 18 36.10 -3.9
VLZ 3.05 72 ePc 18 39.24 -2.9
MID 3.13 104 eP 18 41.67 -1.7
TTA 3.18 328 iP 18 41.53 -2.6
CVA 3.26 83 eP 18 41.38 -3.7
TRF 3.30 16 eP 18 43.47 -2.4
KTH 3.33 11 eP 18 44.31 -1.8
KLU 3.34 66 iPc 18 43.45 -2.9
TOA 3.47 56 P 18 46.50 -1.6
TZL 3.76 59 eP 18 49.18 -2.9
SDG 3.94 53 eP 18 52.21 -2.4
KAIM 3.96 92 eP 18 52.27 -2.6
PAX 4.22 48 eP 18 56.11 -2.4
GLB 4.30 71 ePc 18 56.24 -3.4
DDM 4.62 38 eP 19 03.29 -0.8
TGL 4.70 80 eP 19 02.32 -2.9
MLY 4.80 8 eP 19 04.31 -2.2
HDA 4.81 29 ePd 19 04.06 -2.6
CYK 4.90 88 eP 19 04.76 -3.1
BALM 4.95 77 eP 19 05.26 -3.5
FBA 5.06 22 P 19 07.50 -2.6
GLM 5.22 24 ePc 19 09.57 -2.8
YAH 5.24 85 eP 19 10.19 -2.7
CTGM 5.44 78 eP 19 13.10 -2.5
IMA 5.82 354 eP 19 18.60 -2.2
69 obs. associated

% JUN 21, 1992 08h 22m 51.72± 0.86s
39.099 N ± 7.4km 27.642 E ± 8.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.76 203 iPg 23 06.60 0.0
eSg 23 20.10
DST 0.92 56 iPn 23 09.30 0.0
EZN 1.25 306 ePn 23 15.00 0.0
EDC 1.26 8 ePn 23 15.00 -0.1
KCT 1.27 25 iPn 23 15.40 0.0
S.D. = 0.1 on 5 of 5 obs.

• JUN 21, 1992 08h 35m 42.21± 1.17s
39.545 N ±14.4km 19.322 E ±11.8km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 2.6 (TIR).

SRN 0.62 57 ePg 35 53.30 -1.4
iSg 35 59.80
TPE 0.92 35 ePg 36 01.10 1.4
LSK 1.15 58 ePg 36 04.20 0.4
iSg 36 19.10
LCI 1.31 307 P 36 04.00 -2.5X
TIR 1.85 13 ePn 36 13.20 -1.0
OHR 1.93 35 ePn 36 09.00 -6.4X
BRT 2.10 310 P 36 21.00 3.2X
LACI 2.11 8 ePn 36 17.50 -0.4
ORI 2.27 284 P 36 29.00 8.6X
PHP 2.30 21 ePn 36 21.00 0.2
TDS 2.31 274 P 36 35.50 14.6X
SKO 2.91 33 ePn 36 30.00 0.6
Lg 37 14.60
SOI 2.95 241 P 36 30.00 0.1
VAY 3.05 53 eP 36 40.00 8.7X
SGO 3.24 289 P 36 51.00 16.9X
S.D. = 1.0 on 8 of 15 obs.

JUN 21, 1992 08h 44m 20.04± 0.73s
23.568 S ± 5.2km 179.959 W ± 5.0km
DEPTH = 550.2 ± 10.1 km
4.9mb (33 obs.)
SOUTH OF FIJI ISLANDS (171)

VUN 5.73 345 ePc 45 56.10 -0.8
DZM 12.63 274 iPc 47 07.00 1.5
WCZ 13.28 201 eP 47 15.20 3.3X
KUZ 13.65 195 eP 47 17.70 2.1
PUZ 14.54 186 eP 47 27.10 2.6
NOZ 15.10 186 eP 47 31.00 1.0
MOZ 15.55 195 eP 47 36.90 2.5
BSZ 16.75 194 eP 47 46.30 0.2
PGZ 17.29 190 eP 47 50.90 -0.4
MNG 17.43 192 eP 47 51.30 -1.4
KIW 17.78 193 eP 47 55.40 -0.7
MTW 17.95 191 eP 47 56.80 -0.9
CAW 17.98 192 eP 47 57.10 -0.9
BLW 18.16 191 eP 47 59.40 -0.3
MRW 18.17 193 eP 47 59.20 -0.6
TCW 18.25 194 eP 48 00.50 -0.1
MOW 18.25 192 eP 47 59.80 -0.8
ORZ 18.33 198 eP 48 02.90 1.5
THZ 19.10 197 eP 48 09.40 0.7
0.2s 12.00nm 5.2mb
DSZ 19.39 199 eP 48 12.20 0.8
KHZ 19.56 195 eP 48 12.30 -0.6
LTZ 20.22 197 eP 48 17.90 -1.2
MOZ 20.99 195 eP 48 25.50 -0.6
EWZ 21.29 199 eP 48 28.20 -0.6
ODZ 22.76 197 eP 48 41.20 -0.9
MMCZ 23.16 200 eP 48 44.30 -1.6
MHZ 23.17 200 eP 48 44.60 -1.4
SBCZ 23.19 200 eP 48 44.60 -1.5
LSCZ 23.19 199 eP 48 44.40 -1.7
CMCZ 23.25 200 eP 48 45.90 -0.8
MSZ 23.27 202 eP 48 46.90 0.2
TLC 23.35 200 eP 48 47.30 -0.4
ARMA 26.18 249 iPc 49 14.60 1.7
0.9s 34.00nm 5.0mb
RMO 28.46 258 ePd 49 34.50 1.8
1.1s 124.00nm 5.5mb
i 49 48.70
CNB 29.05 239 iPd 49 39.80 2.0
0.8s 47.00nm 5.2mb
CAN 29.34 239 iPd 49 41.60 1.3
BWA 29.59 241 iPd 49 41.30 -1.1
CMS 31.25 248 iPd 49 57.90 1.4
0.4s 21.00nm 5.1mb
PMO 31.38 80 iP 49 57.20 -0.5
0.6s 5.00nm 4.3mb
CTA 31.51 270 iPd 49 59.70 0.9
0.4s 657.20nm 6.6mb X
VAH 31.54 81 iP 49 58.20 -0.8
0.6s 5.00nm 4.3mb
TPT 31.64 80 iP 49 59.60 -0.3
0.6s 10.00nm 4.6mb
RUV 31.78 81 iP 50 00.20 -0.9
0.6s 10.00nm 4.6mb
OLP 32.51 257 iPd 50 08.00 0.9
0.3s 68.00nm 5.8mb
TOO 32.66 237 iPd 50 10.00 1.6
0.5s 46.00nm 5.4mb
PMG 34.43 289 iPc 50 23.00 -0.3
0.8s 59.70nm 5.3mb
BFD 34.85 238 iPd 50 27.40 0.8
0.8s 36.00nm 5.1mb
STK 34.88 248 iPd 50 28.20 1.2
0.6s 22.30nm 5.0mb
OIS 37.51 267 iPc 50 46.80 -1.9
ASPA 42.13 260 iPd 51 26.10 0.2
0.5s 64.10nm 5.4mb
iScP 56 08.60
eS 57 04.80
WB2 42.45 266 iPd 51 27.90 -0.6
0.5s 97.20nm 5.6mb
i 56 10.20
WRA 42.47 266 P 51 28.50 -0.1
0.5s 34.60nm 5.1mb
FORT 46.46 249 iPd 51 59.00 -0.4
MTN 47.47 274 eP 52 06.00 -1.2
WARB 48.23 255 iPd 52 12.30 -0.7
KNA 48.70 269 eP 52 15.80 -0.7
COOL 52.37 248 eP 52 42.40 -0.8
KLB 55.15 247 eP 53 02.10 -0.7
0.4s 17.00nm 4.7mb
MEEK 55.24 253 eP 53 02.20 -1.4
MBL 55.37 260 iPd 53 03.60 -1.0
0.4s 21.00nm 4.8mb
BAL 56.19 248 iPd 53 09.30 -0.8
0.4s 41.00nm 5.1mb
MUN 56.40 246 iPd 53 11.10 -0.4
MRWA 57.03 250 eP 53 15.30 -0.6
0.4s 20.00nm 4.8mb
CSY 60.43 206 iPc 53 38.00 0.0
0.4s 26.10nm 5.0mb
SPA 66.57 180 iPd 54 18.60 1.3
0.7s 26.95nm 4.9mb
ADK 75.18 2 ePc 55 05.72 -1.4
0.6s 28.94nm 4.9mb
MAW 78.07 200 iPd 55 24.20 1.4
1.0s 18.00nm 4.5mb
BCH 81.42 46 iPc 55 41.71 0.8
ABL 81.79 46 eP 55 43.29 0.4
PLM 82.53 49 ePc 55 47.56 1.0
ISA 82.77 46 eP 55 47.98 0.4
0.8s 16.29nm 4.6mb
ORV 83.17 42 ePc 55 49.83 0.4
GLA 83.79 50 iPd 55 53.97 1.3
BONR 84.21 44 ePc 55 55.25 0.2
TNP 84.98 45 ePc 55 58.85 0.2
0.7s 6.19nm 4.3mb
SHW 86.88 36 iPd 56 08.96 1.5
SLKM 87.21 14 ePd 56 07.33 -1.2
GMW 87.45 35 iPd 56 10.73 0.8
CPKM 87.45 13 eP 56 08.63 -1.3
CRP 87.47 13 iPd 56 08.36 -1.6
RMW 87.91 35 P 56 12.61 0.4
PMR 88.42 14 ePc 56 13.10 -1.0
1.2s 21.60nm 4.9mb
MSU 88.53 47 P 56 16.28 0.8
HVU 89.87 44 ePc 56 21.78 0.3
SRU 89.94 47 eP 56 22.23 0.4
DAU 90.13 45 iPd 56 23.66 0.8
PNT 90.20 35 eP 56 23.00 0.4
0.8s 10.00nm 4.8mb
PTI 90.71 43 eP 56 26.11 0.8
ALO 90.72 52 eP 56 26.10 0.5
1.2s 7.30nm 4.6mb
FBA 91.62 13 iPd 56 27.25 -1.5
0.7s 6.50nm 4.8mb
BW06 92.43 44 iP 56 33.00 -0.3
1.0s 3.00nm 4.3mb
GOL 93.72 48 iPc 56 39.93 0.6
0.4s 0.45nm 4.0mb
NB2 141.76 351 PKP 02 43.80 -6.2X
0.6s 3.60nm
HFS 142.23 349 ePKP 02 45.00 -5.8X
0.3s 8.70nm
EKA 148.19 3 PKPc 03 03.50 2.7X
1.1s 13.40nm
DMU 149.26 8 ePKP 03 06.70 4.2X
DCN 149.75 9 ePKP 03 07.90 4.7X
DLF 149.90 8 ePKP 03 07.90 4.5X
KSP 149.99 339 iPKPd 03 09.60 5.9X
CLL 150.55 343 iPKPd 03 10.60 6.1X
0.9s 17.00nm
i 03 19.30
BRG 150.68 342 iPKPc 03 10.80 6.1X
0.8s 10.00nm
WTS 151.15 351 ePKP 03 12.00 6.7X
0.7s 9.00nm
ENN 152.47 352 ePKP 03 27.00 19.8X
0.7s 7.00nm
GRF 152.49 344 ePKP 03 28.20 20.8X
GEC2 152.56 340 PKP 03 14.20 6.6X
0.5s 0.55nm
S.D. = 1.1 on 91 of 105 obs.

& JUN 21, 1992 09h 45m 02.12s
60.319 N 152.286 W

DEPTH = 82.4km
3.3mb (1 obs.)
SOUTHERN ALASKA (2)
<AEIC>.

RED 0.26 293 iPd 45 14.07 -0.7
eS 45 23.58
REF 0.27 310 iPd 45 13.99 -0.9
RSO 0.27 302 iPd 45 14.40 -0.6
RS1 0.27 301 iPd 45 14.38 -0.6
RS2 0.28 302 iPd 45 14.42 -0.6
INE 0.47 237 ePc 45 15.26 -0.9
eS 45 26.29
INW 0.49 240 iPc 45 15.58 -0.8
eS 45 26.54
NNL 0.57 119 iPd 45 17.32 0.4
HOM 0.74 154 iPd 45 18.50 -0.1
eS 45 32.44
BKG 0.75 1 ePd 45 18.08 -0.8
eS 45 30.94
SPU 0.87 7 ePd 45 19.26 -0.9
eS 45 32.94
CKL 0.88 358 iPd 45 19.42 -0.9
BRLK 0.90 128 ePd 45 19.43 -1.0
CKN 0.91 3 ePc 45 20.08 -0.5
XLV 0.91 162 eP 45 19.85 -0.7
CPKM 0.95 2 eP 45 20.20 -1.0
BGL 0.95 357 iPd 45 20.33 -0.8
CRP 0.95 4 eP 45 19.92 -1.3
eS 45 33.75
CGLM 1.00 8 ePc 45 21.01 -0.7
eS 45 35.60
SLKM 1.04 79 ePc 45 20.83 -1.3
NCG 1.09 3 eP 45 21.73 -1.1
PDB 1.09 242 iPc 45 21.61 -1.1
AUL 1.10 212 eP 45 22.26 -0.6
AUE 1.11 210 eP 45 22.03 -0.8
AUP 1.12 211 eP 45 22.57 -0.5
AUH 1.12 212 eP 45 22.54 -0.6
AUI 1.14 211 eP 45 22.51 -0.8
SUA 1.37 33 ePc 45 25.65 -0.8
eS 45 44.98
SEW 1.43 97 ePc 45 25.44 -1.6
MCNL 1.54 223 iPc 45 27.35 -1.1
eS 45 46.53
CDD 1.55 207 ePc 45 27.74 -0.9
PMS 1.63 54 P 45 29.10 -0.6
PTE 1.70 70 ePc 45 28.98 -1.6
SKT 1.71 12 iPc 45 29.35 -1.4
SYI 1.72 182 ePc 45 30.32 -0.4
PWA 1.78 40 P 45 30.70 -0.9
SVW 1.82 297 P 45 30.60 -1.7
S 45 52.50
PMR 2.00 49 eP 45 33.20 -1.4
KNK 2.17 58 iPc 45 35.10 -1.9
GHO 2.19 47 iPc 45 35.57 -1.7
CUT 2.31 24 ePc 45 37.60 -1.2
SML 2.43 50 iPc 45 38.67 -1.9
eS 46 07.28
KDC 2.58 182 P 45 40.70 -1.8
S 46 18.30
SCM 2.85 56 ePc 45 44.15 -2.2
HIN 2.88 86 eP 45 43.02 -3.6
eS 46 15.93
HUR 2.95 24 eP 45 47.05 -0.7
eS 46 22.05
VLZ 3.04 72 eP 45 45.58 -3.2
TTA 3.17 327 eP 45 49.00 -1.7
CVA 3.25 83 eP 45 47.90 -3.9
TRF 3.28 16 eP 45 51.06 -1.4
KTH 3.31 11 eP 45 51.25 -1.5
KLU 3.33 67 iPc 45 50.06 -2.9
TOA 3.46 56 P 45 53.00 -1.8
RND 3.50 26 eP 45 53.59 -1.8
TZL 3.75 60 eP 45 56.27 -2.4
SDG 3.92 53 ePc 45 58.80 -2.4
PAX 4.20 48 ePc 46 02.90 -2.3
GLB 4.29 71 ePc 46 02.84 -3.6
NEA 4.53 18 eP 46 07.12 -2.5
WRH 4.60 23 eP 46 08.35 -2.3
DDM 4.61 38 eP 46 10.05 -0.8
TGL 4.69 81 eP 46 09.21 -2.8
MLY 4.78 8 eP 46 11.48 -1.8
HDA 4.79 29 eP 46 10.84 -2.5
DJE 4.84 37 P 46 13.00 -1.0
BALM 4.94 77 eP 46 10.69 -4.8
S 47 05.90

FBA 5.04 22 P 46 14.50 -2.3
DOT 5.12 46 eP 46 15.50 -2.4
GLM 5.20 24 eP 46 16.27 -2.8
YAH 5.24 85 eP 46 17.41 -2.3
CTGM 5.43 78 eP 46 19.65 -2.7
IMA 5.81 354 P 46 22.30 -5.3
YKA 18.00 67 eP 49 04.70 -3.1
0.7s 1.30nm 3.3mb
73 obs. associated

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* JUN 21, 1992 09h 53m 42.08± 1.31s
5.366 S ±16.4km 145.800 E ±15.5km
DEPTH = 40.1 ± 17.2 km
4.0mb (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

MDG 0.12 350 iPc 53 48.70 -0.1
YYYY 0.89 169 iPd 53 59.10 0.8
LAT 1.75 137 eP 54 11.30 0.8
eS 54 52.40
MNDI 2.27 250 eP 54 18.40 0.2
WWKK 2.78 309 eP 54 25.00 -0.2
PMG 4.24 162 eP 54 44.00 -1.8
WB2 18.28 217 iPd 57 50.60 -3.9X
0.5s 4.40nm 3.9mb
ASPA 21.50 211 eP 58 30.00 0.3
1.1s 8.80nm 4.1mb
S.D. = 1.3 on 7 of 8 obs.

? JUN 21, 1992 10h 04m 45.88± 1.57s
43.973 N ±16.0km 11.752 E ±12.7km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

SFI 0.09 126 P 04 48.30 -0.1
eSg 04 56.30
PGD 0.10 193 P 04 48.50 -0.3
eSg 04 56.90
CRE 0.37 157 P 04 53.90 0.3
eSg 05 03.40
MME 0.79 287 P 05 01.50 0.1
S.D. = 0.4 on 4 of 4 obs.

JUN 21, 1992 10h 34m 25.56± 0.56s
42.785 N ± 6.5km 142.437 E ± 6.5km
DEPTH = 46.1 ± 6.9 km
4.4mb (10 obs.)
HOKKAIDO, JAPAN REGION (224)

HOOJ 0.75 122 iPd 34 38.80 -1.0
S 34 49.40
SAP 0.86 289 iP 34 41.60 0.2
iS 34 54.00
MRRJ 1.07 251 iPd 34 44.20 -0.1
eS 34 58.50
ASAJ 1.34 6 iP+ 34 49.00 0.8
eS 35 07.00
KUSJ 1.70 79 iPd 34 52.80 -0.4
eS 35 14.20
AOMJ 2.71 215 P 35 08.20 0.6
OFUJ 3.75 189 P 35 23.30 1.0
eS 36 07.40
YAMJ 4.96 202 iP+ 35 40.10 0.7
MAT 7.04 209 eP 36 07.00 -1.6
1.4s 16.28nm 4.6mb
IMA 41.40 34 iPd 42 08.76 0.1
0.5s 2.23nm 4.1mb
FBA 43.89 35 eP 42 28.69 -0.1
0.6s 8.36nm 4.7mb
YKA 58.48 32 eP 44 19.70 0.9
0.6s 0.60nm 3.9mb
PNT 63.57 46 eP 44 53.00 -0.5
0.5s 3.00nm 4.6mb
NEW 65.52 46 eP 45 06.19 0.0
0.7s 4.40nm 4.6mb
ORV 68.34 56 eP 45 23.60 -0.5
HFS 69.19 335 eP 45 27.10 -1.8
0.5s 2.30nm 4.4mb
NB2 69.20 337 P 45 27.30 -1.8
0.8s 4.20nm 4.5mb
LRM 69.54 46 eP 45 31.90 0.2
TNP 71.86 55 eP 45 45.81 0.0
0.5s 1.23nm 4.1mb
DUG 73.05 51 eP 45 53.79 1.1
BW06 73.12 47 eP 45 53.20 0.1
0.5s 0.77nm 3.9mb
SRU 75.09 50 eP 46 04.89 0.4

SIV 146.57 44 ePKP 54 04.00 1.8
S.D. = 1.0 on 23 of 23 obs.

% JUN 21, 1992 10h 50m 19.38± 1.10s
10.867 N ± 9.4km 61.719 W ±15.9km
DEPTH = 33.0km (normal)
TRINIDAD (98)
MD 3.0 (TRN).

TCE 0.17 191 eP 50 25.34 -0.4
eS 50 34.74
TRN 0.38 125 eP 50 28.45 0.3
eS 50 39.45
TPP 0.61 154 eP 50 32.11 0.6
eS 50 43.86
TBH 0.75 121 eP 50 32.81 -0.6
eS 50 49.47
GRW 1.29 3 eP 50 41.35 0.1
eS 50 57.03
S.D. = 0.7 on 5 of 5 obs.

JUN 21, 1992 10h 52m 42.41± 0.12s
26.503 S ± 3.2km 70.659 W ± 4.3km
DEPTH = 39.3km (46 depth phases)
5.7mb (52 obs.) 5.4Msz (18 obs.)
NEAR COAST OF NORTHERN CHILE (122)
Mo=1.6*10**18 Nm (PPT). Slight
damage (V) at Chanaral.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 66C
Centroid Location:
Origin Time 10:52:48.2 0.2
Lat 26.80S 0.04 Lon 71.53W 0.03
Dep 47.0 FIX Half-duration 2.9
Moment Tensor; Scale 10**17 Nm
Mrr= 2.91 0.12 Mtt= 1.64 0.14
Mff=-4.55 0.14 Mrt=-1.54 0.17
Mrf= 2.09 0.16 Mtf=-1.43 0.17
Principal Axes:
T Val= 4.64 Plg=53 Azm=206
N 0.61 34 0
P -5.25 13 99
Best Double Couple:Mo=4.9*10**17
NP1:Strike=225 Dip=44 Slip= 144
NP2: 343 66 52

ZON 5.31 161 eP 54 04.00 2.5
CFA 5.51 158 ePd 54 05.10 0.9
S 55 06.60
JACH 6.16 179 eP 54 10.90 -2.5
ROCH 6.45 183 eP 54 13.50 -4.2X
IHA 6.56 187 eP 54 13.80 -5.1X
i 54 31.00
e(S) 55 27.00
i 55 46.50
PEL 6.62 180 iPc 54 16.40 -3.4X
FCH 6.81 177 iPc 54 20.90 -1.8
SAN 6.93 180 eP 54 19.90 -4.2X
PCH 7.09 179 iP 54 23.30 -3.2X
TACH 7.13 182 eP 54 22.60 -4.3X
CHCH 7.41 180 iPd 54 26.50 -4.3X
LNV 7.46 185 iPc 54 25.60 -5.8X
CACH 7.59 180 iPd 54 29.80 -3.7X
CNCB 9.96 15 Pc 55 26.20 19.5X
ARE 10.02 355 eP 55 04.00 -3.3X
iS 56 54.40
LPB 10.20 14 iPc 55 10.00 0.1
1.0s 320.00nm 6.5mb
Z 19s 30.56um 3.9Msz
S 57 24.00
LR 58 58.00
ZOBO 10.43 14 iPd 55 11.60 -1.6
1.0s 145.00nm 6.1mb
LR 58 34.00
SIV 13.75 42 P 55 52.80 -4.3X
LPA 13.78 131 eP- 55 55.00 -2.3
1.0s 416.00nm 6.2mb
eS 58 22.00
VAO 21.79 86 iPd 57 33.30 0.4
e 57 35.50 8kmX
e 57 37.80
e 57 45.20
BAO 23.72 67 Pc 57 56.30 4.4X
PDCR 32.70 71 eP 59 11.30 -2.2
SDV 35.18 0 eP 59 34.00 -1.0
TOV 36.08 1 eP 59 48.30 5.8X

21d 11h

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CAR    36.97   6 eP    00 00.00  10.0X
                 iS    05 26 00
AIA    38.97 176 eP    00 06.10   0.0
OXX    50.18 327 (P)   01 38.00   1.3
ACX    51.61 323 (P)   01 47.50   0.2
IIT    52.61 326 (P)   01 56.50   1.4
UNM    53.31 326 (P)   02 01.50   1.2
MRX    54.66 324 (P)   02 11.00   1.2
AGX    57.03 324 (P)   02 28.50   1.6
SNA    58.02 158 iPc   02 31.90  -1.3
       1.1s    35.44nm          5.4mb
HBF    59.83 351 ePc   02 44.93  -1.2
                 epP   02 56.53  40km
SGS    60.10 350 ePc   02 46.90  -1.1
                 epP   02 58.41  39km
                 esP   03 07.13
PRM    61.27 349 ePc   02 54.19  -1.8
                 epP   03 05.84  40km
JSC    61.28 350 iPc   02 54.50  -1.5
                 epP   03 05.88  39km
LHS    61.41 350 ePc   02 55.49  -1.4
                 epP   03 06.06  35km
TKL    63.05 348 iPc   03 06.05  -1.8
                 epP   03 17.37  38km
PWLA   63.33 344 ePc   03 07.33  -2.4
                 epP   03 18.76  38km
SPA    63.65 180 iPc   03 11.40  -0.4
       1.2s   315.49nm          6.3mb
                 e     27 03.10
NAV    64.19 351 eP    03 13.82  -1.6
                 epP   03 25.33  39km
CVL    64.56 353 eP    03 17.25  -0.4
                 epP   03 28.54  38km
CBN    64.67 354 eP    03 17.00  -1.4
OLY    64.73 341 eP    03 16.80  -2.1
                 epP   03 28.45  39km
LST    65.21 343 ePc   03 20.83  -1.1
                 epP   03 32.20  38km
MBO    66.15  59 iPc   03 40.30  12.0X
MCWV   66.37 352 P     03 40.00  10.7X
     Z  21s     0.80um          4.9Msz
FNO    66.43 336 iPc   03 27.70  -2.1
MEO    66.44 335 iPd   03 29.10  -0.8
TUL    66.46 338 iPc+  03 28.00  -1.9
       0.9s    88.00nm          5.8mb
     Z  22s     0.83um          4.9Msz
                 e     03 39.90  40km
                 e     06 05.00
                 S     12 22.00
                 LR    21 39.00
SIO    66.48 337 eP    03 27.80  -2.3
                 e     03 40.10  42km
OCO    66.69 336 iPc   03 32.40   0.9
FVM    66.77 343 iPc   03 30.48  -1.5
       1.2s   165.61nm          6.0mb
                 epP   03 42.18  39km
CCM    67.06 342 iPc   03 32.93  -0.8
       1.0s    64.26nm          5.7mb
                 epP   03 44.99  41km
GMTN   67.12 357 iP    03 33.00  -1.0
PNJ    67.14 357 iP    03 33.50  -0.6
                 pP    03 45.30  40km
                 PcP   04 01.70
                 i     04 29.50
                 i     04 39.20
TBR    67.38 357 eP    03 34.80  -0.9
ACO    68.35 336 iPc   03 42.00   0.1
HRV    68.67 359 eP    03 43.59   0.0
       1.6s   215.54nm          5.9mb
                 epP   03 55.33  39km
KDS    68.79  63 iP    03 46.50   1.5
ALO    69.88 329 iPc   03 52.27   0.7
       1.4s   121.11nm          5.7mb
     Z  18s     1.94um          5.4Msz
                 epP   04 04.68  42km
BNH    70.75 360 eP    03 56.23  -0.1
                 epP   04 08.15  40km
RSNY   70.79 357 eP    03 56.35  -0.3
       0.8s    37.63nm          5.5mb
     Z  20s     1.31um          5.2Msz
                 epP   04 08.04  39km
EMM    70.95   2 eP    03 57.71   0.2
                 epP   04 09.40  39km
LIC    71.35  73 P     04 00.40  -0.2
MIM    71.42   1 ePc   04 00.13  -0.2
                 epP   04 11.78  39km
TIC    71.57  73 P     04 02.00   0.0
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KIC    71.66  73 P     04 02.40  -0.1
RUV    71.69 262 iP    04 02.40  -0.2
       1.6s   100.00nm          5.6mb
VAH    71.89 262 iP    04 03.80   0.0
       1.6s   115.00nm          5.6mb
TPT    71.98 262 iP    04 04.80   0.4
       1.6s   150.00nm          5.7mb
LMN    72.20   4 ePc   04 06.40   1.3
PMO    72.21 262 iP    04 05.90   0.1
       1.6s   100.00nm          5.5mb
TVO    72.33 259 eP    04 06.00  -0.5
       1.5s   225.00nm          5.9mb
GLA    72.61 322 ePd   04 08.20   0.4
PAE    72.66 259 eP    04 08.00  -0.4
       1.5s   175.00nm          5.8mb
PPT    72.69 259 eP    04 08.00  -0.6
       1.5s   155.00nm          5.8mb
AFR    72.88 259 eP    04 09.00  -0.7
       1.5s    60.00nm          5.3mb
EEO    73.20 354 ePc   04 11.70   0.8
GOL    73.39 333 ePd   04 12.52   0.0
       1.3s    79.79nm          5.5mb
     Z  20s     0.55um          4.8Msz
                 epP   04 24.60  41km
PLM    73.96 321 iPc   04 16.37   0.5
PEC    74.53 321 iPc   04 19.28   0.3
       1.4s    57.67nm          5.4mb
SSK    75.06 321 ePc   04 22.55   0.3
SRU    75.15 329 iPc   04 22.83   0.2
                 epP   04 34.75  40km
MSU    75.45 328 iPc   04 25.12   0.7
                 epP   04 37.39  41km
ARUT   75.51 326 iPc   04 25.80   1.1
EMUT   75.85 329 ePc   04 26.95   0.3
TPNV   76.31 324 ePc   04 30.30   1.1
ABL    76.39 321 eP    04 30.15   0.4
DAU    76.53 329 ePc   04 31.21   0.6
                 epP   04 42.94  39km
ISA    76.56 322 iPc   04 31.27   0.7
       0.9s    31.49nm          5.3mb
     Z  18s     1.47um          5.3Msz
DUG    77.08 328 iPc   04 34.18   0.8
       1.5s   149.39nm          5.8mb
BCH    77.12 320 iPc   04 34.50   0.8
TNP    77.66 324 iPc   04 37.11   0.4
       1.4s    89.92nm          5.6mb
                 epP   04 49.12  40km
BW06   77.69 332 iPc   04 36.29  -0.6
       1.5s   111.37nm          5.7mb
                 ipP   04 48.50  41km
PKEM   77.77 321 eP    04 37.76   0.7
PHAM   77.77 321 eP    04 37.85   0.7
BONR   78.15 323 ePc   04 39.80   0.3
HVU    78.31 329 ePc   04 40.22   0.0
                 epP   04 52.36  41km
WIN    78.36 109 iPc   04 40.90  -0.1
       1.3s    76.92nm          5.6mb
     Z  20s     3.55um          5.7Msz
KVN    78.85 324 ePc   04 43.28   0.1
PTI    78.99 330 eP    04 44.29   0.4
                 epP   04 56.34  40km
ARN    79.48 321 ePc   04 47.24   0.7
                 epP   05 01.58  50kmX
ULM    79.62 344 ePc   04 47.60   0.7
HPI    79.98 330 ePd   04 51.15   1.8
MAW    80.01 164 iPc   04 48.00  -0.8
       1.1s   127.00nm          5.8mb
                 ePP   07 52.00
ORV    81.03 323 ePc   04 55.04   0.4
                 epP   05 07.36  41km
LRM    81.38 332 iPc   04 57.30   0.7
                 e     05 09.40  40km
LTCM   81.83 323 eP    04 57.95  -0.8
FRS    82.07 119 iPc   05 01.30   0.9
       1.0s    62.00nm          5.6mb
LBFM   82.51 324 ePc   05 02.66   0.1
                 epP   05 15.47  43km
BLF    83.03 119 iPc   05 04.60  -1.0
       0.7s    40.00nm          5.6mb
TIO    83.23  51 iP    05 08.00   1.6
                 i     05 20.00  40km
DRV    84.26 192 eP    05 09.30  -1.6
SES    84.50 335 iPc   05 12.00  -0.3
       1.9s   409.00nm          6.2mb
                 pP    05 24.00  39km
AVE    84.53  49 iP    05 14.50   1.8
                 i     05 26.00  37km
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VGB    84.93 327 eP    05 15.13   0.6
                 epP   05 27.23  40km
PRY    85.02 117 iPc   05 15.60  -0.1
NEW    85.28 331 iPd   05 15.80  -0.4
       1.4s    92.39nm          5.8mb
                 ipP   05 28.00  40km
DPW    85.46 330 ePc   05 17.29   0.2
                 epP   05 29.25  39km
SHW    86.13 327 eP    05 20.72   0.2
                 epP   05 33.31  42km
SLR    86.21 117 iPc   05 21.20  -0.4
       1.1s    25.32nm          5.4mb
     Z  20s     3.19um          5.7Msz
LON    86.32 328 ePc   05 20.90  -0.5
BMW    86.81 327 ePc   05 24.02   0.2
                 ipP   05 36.20  40km
RMW    86.82 328 ePc   05 22.98  -0.9
                 epP   05 33.69  34km
NKM    87.13  48 eP    05 28.00   2.5
FCC    87.15 348 ePc   05 28.50   3.4X
PNT    87.17 330 ePc   05 25.00  -0.4
       1.0s    34.00nm          5.5mb
PLAT   87.29  47 eP    05 22.00  -4.3X
GMW    87.35 328 ePc   05 25.99  -0.3
                 ipP   05 38.13  40km
CSY    87.50 180 iPd   05 27.90   1.1
       0.7s    68.50nm          6.0mb
EVAL   87.51  46 iPd   05 29.00   1.7
EJIF   87.67  47 iPd   05 29.50   1.4
EPRU   88.13  47 eP    05 29.50  -0.8
MCW    88.17 328 ePc   05 30.34   0.1
                 epP   05 42.43  39km
PGC    88.44 328 eP    05 32.00   0.5
EHOR   88.61  46 eP    05 34.00   1.4
PGZ    88.82 224 P     05 34.80   1.1
BLW    88.89 224 P     05 35.10   1.0
MTW    89.00 224 P     05 35.30   0.7
BUL    89.07 112 iPd   05 35.40   0.0
       1.0s    16.50nm          5.3mb
                 ipP   05 46.20  34km
MNG    89.32 224 P     05 36.80   0.7
EPLA   89.39  44 eP    05 47.00  10.7X
KIW    89.53 224 P     05 37.80   0.7
EBAN   89.75  46 ePc   05 39.00   1.0
LTZ    89.99 221 P     05 40.00   0.7
THZ    90.23 222 P     05 41.30   0.9
       1.7s   235.00nm          6.2mb
EHUE   90.34  47 eP    05 41.00   0.2
DSZ    90.89 222 eP    05 42.80  -0.6
MOZ    90.96 226 P     05 43.50  -0.2
QRZ    91.01 223 P     05 43.00  -0.9
KUZ    91.38 227 P     05 45.80   0.1
KRI    91.45 109 iPd   05 46.60   0.1
                 ipP   05 58.00  36km
                 i     06 17.00
ETOR   92.34  45 ePd   05 51.50   1.5
EBR    93.97  46 (P)   06 08.00  10.7X
                 e     16 32.00
EPF    95.04  44 eP    06 01.50  -0.8
       1.8s    59.55nm          5.7mb
YKA    95.37 341 eP    06 02.40  -0.8
       0.8s     9.80nm          5.3mb
LFF    96.28  43 eP    06 08.00   0.2
GDH    96.29   6 eP    06 20.00  12.7X
                 e     18 15.00
RJF    96.94  43 eP    06 10.80   0.0
       1.3s    23.10nm          5.5mb
     Z  23s     2.15um          5.6MszX
HON    96.99 290 P     06 20.00   8.5X
     Z  20s     2.13um          5.6Msz
LSF    97.43  42 eP    06 12.90  -0.1
       1.5s    35.00nm          5.7mb
MAF    98.04  42 eP    06 15.90   0.2
       1.4s    17.85nm          5.4mb
BGF    98.38  42 eP    06 17.30   0.1
       1.3s    29.25nm          5.7mb
AVF    98.79  42 eP    06 19.00   0.0
       1.1s     8.80nm          5.2mb
SMF    99.02  42 eP    06 20.30   0.2
       1.4s    37.45nm          5.7mb
SSF    99.02  42 eP    06 19.70  -0.4
       1.5s    17.25nm          5.4mb
LRG    99.07  46 eP    06 21.30   0.9
       1.6s    64.05nm          5.9mb
     Z  21s     0.80um          5.2Msz
LMR    99.11  46 eP    06 21.20   0.6
       1.6s    41.05nm          5.7mb
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LBF     99.26  42 eP      06 20.90  -0.4
        1.5s    20.35nm          5.4mb
FRF     99.30  46 eP      06 22.20   0.7
        1.5s    49.60nm          5.8mb
SIT     99.34 330 P       06 30.00   8.8X
     Z  21s      1.28um          5.4Msz
SBF     99.95  46 eP      06 25.10   0.6
        1.5s    50.65nm          5.8mb
LPL    100.26  44 ePdiff06 27.00   0.8
        1.2s     9.80nm          5.2mb
LPG    100.26  44 ePdiff06 27.10   0.8
        1.4s    20.90nm          5.5mb
WLF    101.80  40 Pdiff 06 34.00   1.4
GRF    104.79  42 ePdiff06 52.00   6.0X
     Z  26s      1.30um          5.4MszX
GEC2   105.96  43 PKP     11 02.30  -1.3
        0.7s     0.83nm
KLU    106.26 331 ePdiff06 51.27  -1.1
MBC    106.82 349 ePdiff06 55.00   0.6
BRG    106.86  41 e(PKP)11 06.00   0.9
PMR    107.71 331 PKP     11 20.00  13.7X
     Z  19s      0.74um          5.3Msz
OHR    107.94  53 ePKP    10 50.00 -17.5X
VAY    109.27  53 ePKP    11 09.00  -0.9
IMA    111.15 334 ePKP    11 12.62  -0.3
SDN    111.27 322 PKP     11 20.00   6.8X
     Z  21s      1.65um          5.6Msz
KIS    115.16  48 ePKP    11 18.00  -3.0X
NUR    115.26  33 iPKP    11 13.00  -7.7X
MNK    115.70  41 ePKP    11 22.00   0.2
     Z  20s      1.60um          5.6Msz
KAF    116.28  31 iPKP    11 21.90  -0.8
        0.6s     4.20nm
ILT    121.05 335 iPKPd 11 31.40  -0.1
        1.7s    43.00nm
                  e       11 44.00
OBN    121.07  40 iPKPd 11 31.20  -0.7
        1.7s   200.00nm
                  e       11 43.00
MOS    121.67  39 ePKP    11 34.00   0.9
KIV    124.29  53 ePKP    11 37.60  -1.1
                  i       11 49.60
PYA    124.57  53 ePKP    11 40.00   0.9
        1.5s    70.00nm
     Z  24s      1.40um          5.5MszX
                  i       11 51.00
                  i       13 36.00
ASPA   124.76 208 iPKPc 11 38.70  -1.4
                  ePP     13 23.20
OIS    124.77 215 iPKPc 11 37.00  -3.2X
ERE    125.25  58 iPKP    11 40.00  -0.7
                  i       13 27.00
SMY    125.78 317 PKP     11 50.00   8.8X
     Z  20s      2.08um          5.8Msz
GRO    126.42  54 ePKP    11 43.00   0.3
        1.0s   110.00nm
GRS    126.57  59 iPKP    11 41.00  -2.4
        1.5s    30.00nm
WB2    127.84 210 iPKPc 11 45.20  -0.9
        0.7s    25.80nm
                  e       11 57.60
WRA    127.85 210 PKP     11 41.50  -4.6X
        0.9s     5.80nm
SHI    130.20  73 ePKP    11 50.00  -0.6
MBL    131.54 193 ePKP    11 42.00 -11.1X
ARU    133.17  36 ePKP    11 55.00  -0.1
        2.0s   250.00nm
                  e       12 07.00
                  e       14 29.00
TIK    133.53 352 ePKP    11 50.00  -5.4X
                  e       12 06.50
SVE    134.10  35 iPKPc 11 57.00   0.1
        2.1s   160.00nm
                  i       12 09.50
PET    134.96 320 ePKP    11 58.50  -0.1
                  e       14 32.00
NRI    135.29  11 iPKPc+11 58.40  -0.4
        1.7s    99.00nm
                  i       12 11.00
                  e       14 42.00
ASH    135.87  62 ePKP    12 00.00  -0.8
MGD    136.10 331 ePKP    12 00.00  -0.6
MAIO   136.75  64 ePKP    12 02.00  -0.7
                  e       14 44.00
YAK    141.96 345 ePKP    12 04.20  -7.0X
        1.6s   141.00nm
                  i       15 15.00

OUE    142.66  74 ePKP    12 09.00  -4.7X
                  e       15 22.50
KUR    144.04 311 ePKP    12 12.00  -3.3X
        1.0s   190.00nm
GUA    144.31 256 ePKP    12 12.60  -4.0X
        0.8s   274.63nm
GUMO   144.37 256 ePKP    12 12.10  -4.6X
        1.3s   674.60nm
     Z  20s      0.22um          4.9Msz
                  e       12 30.00
                  e       15 43.00
PJG    144.37 256 ePKP    12 12.70  -4.0X
KHKI   144.81 191 ePKPc 12 15.00  -2.5
                  e       14 04.20
GAR    145.15  59 iPKP    12 17.00  -0.6
                  e       32 25.00
                  e       35 00.00
POO    146.35  96 iPKPc 12 21.80   1.7
YSS    146.69 317 iPKP    12 20.00   0.3
        1.2s   230.00nm
KUSJ   146.87 309 ePKP    12 19.10  -1.0
FRU    147.40  51 iPKP    12 22.30   1.3
        2.0s   750.00nm
     Z  24s      0.50um          5.2MszX
ASAJ   147.92 312 ePKP    12 22.50   0.7
HOOJ   148.09 308 ePKP    12 23.70   1.7
BOD    148.49 355 iPKPc 12 21.80  -0.4
        1.7s   200.00nm
KSH    149.36  57 PKP     12 25.80   1.4
MRRJ   149.62 310 ePKP    12 28.80   4.4X
HYB    150.11 101 ePKP    12 26.40   0.4
                  e       12 31.30
                  e       12 43.70
OFUJ   150.23 303 PKP     12 29.70   4.2X
AOMJ   150.75 307 PKP     12 32.00   5.8X
NDI    151.49  78 iPKP    12 28.20   0.5
YAMJ   151.70 302 PKP     12 34.10   6.3X
MAT    153.52 299 ePKP    12 23.00  -7.4X
     Z  20s      0.35um          5.2Msz
IRK    153.99   7 ePKP    12 31.00   0.5
        1.8s   116.00nm
                  e       12 38.80
                  e       12 44.00
                  e       12 51.00
                  e       16 27.00
CIT    154.33 354 ePKP    12 32.00   0.9
KGM    154.97 166 ePKP    12 33.50   0.6
WMQ    155.39  40 PKP     12 32.50  -0.3
     Z  32s      2.18um          5.8MszX
                  SKS     19 36.00
MDJ    155.66 323 PKP     12 32.50  -0.5
     Z  24s      1.59um          5.8MszX
                  pPKP    12 42.00
ZAK    155.71   9 iPKPc 12 34.00   1.2
        2.0s    65.00nm
                  e       16 37.00
IPM    156.79 159 ePKPd 12 35.80   0.4
        1.5s    92.40nm
CGP    156.88 222 ePKP    12 35.00  -0.5
GKN    157.99  80 PKP     12 35.80  -0.9
CN2    158.36 327 ePKP    12 35.40  -1.0
     Z  20s      2.08um          6.0Msz
     N  16s      0.39um
     E  16s      0.59um
                  epPKP 12 46.50
                  ePKPab13 11.00
                  ePP     16 51.00
DMN    158.39  82 PKP     12 36.60  -0.7
KKN    158.56  81 PKP     12 35.40  -2.0
PKI    158.66  82 PKP     12 36.30  -1.4
SNG    159.06 155 ePKP    12 38.80   0.8
GUN    159.09  81 PKP     12 37.40  -0.8
SNY    160.74 326 iPKPc 12 39.00   0.0
                  pPKP    12 50.00
LSA    163.64  75 iPKPc 12 43.60   0.7
DL2    163.90 323 ePKP    12 42.00  -0.2
     Z  16s      0.58um
                  sPKP    12 56.00
                  PP      17 22.00
KHT    164.61 137 ePKP    12 42.20  -1.3
GTA    164.86  29 iPKPc 12 44.30   1.0
     Z  25s      2.45um
     E  20s      1.34um
                  sPKP    12 56.50
BJI    165.35 339 ePKP    12 43.50   0.0
     Z  26s      1.13um
                  ePP     17 26.00

HHC    165.57 353 PKP     12 45.00   1.2
     Z  28s      2.07um
BTO    165.93 358 PKP     12 44.00  -0.1
BDT    166.70 132 ePKP    12 46.00   0.8
CHG    167.73 126 iPKPc 12 46.40   0.4
        1.8s   127.27nm
                  e       13 52.50
TIA    168.26 327 PKPc    12 46.60   0.8
     Z  24s      1.63um
                  sPKP    12 58.00
                  PP      17 44.00
TIY    168.52 348 iPKP    12 46.00   0.0
     Z  34s      1.73um
     E  22s      1.33um
                  PKPab 13 56.00
                  PP      17 44.00
SSE    168.65 297 PKP     12 46.00  -0.1
     Z  20s      0.90um
                  sPKP    13 00.00
                  PP      17 40.00
LZH    169.36  25 PKP     12 47.50   0.8
     Z  25s      1.54um
     E  20s      1.21um
                  sPKP    13 00.00
                  PP      17 47.00
NJ2    170.02 306 PKPc    12 47.00   0.1
QZH    171.51 261 PKPc    12 49.00   1.2
                  pPKP    13 00.00
XAN    172.48   3 PKPc    12 48.70   0.6
                  sPKP    13 02.00
QIZ    172.55 184 PKPc    12 50.00   1.6
                  sPKP    13 02.00
CD2    173.42  47 PKP     12 49.70   1.2
                  pPKP    13 01.00
KMI    173.89 102 PKPc+ 12 50.00   0.9
        2.0s   440.00nm
     Z  10s      2.20um
     N  10s      1.40um
     E  10s      3.50um
                  pP      13 01.50
                  PP      14 11.50
                  PPP     14 32.50
                  eS      18 14.00
WHN    174.03 314 ePKP    12 49.50   0.8
GZH    175.02 228 ePKP    12 48.00  -1.2
                  PKPab 14 25.00
                  PP      18 17.00
GYA    177.60  90 PKP     12 50.00   0.3
     Z  22s      2.37um
     E  20s      0.65um
                  pPKP    13 02.00
                  PKPab 14 37.00
                  PP      18 32.00
                  SS      40 02.00
     S.D. = 1.0  on 229 of 275 obs.
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 • JUN  21, 1992   10h 56m 52.98± 2.21s
   44.975 S ±12.6km   167.276 E ±17.8km
   DEPTH = 150.3 ± 15.9 km
 SOUTH ISLAND, NEW ZEALAND           (162)

MSZ      0.55  57 Pc      57 13.90  -0.9
                  S       57 25.10
BCZ      1.11 159 Pd      57 19.20   0.3
                  eS      57 34.50
TLC      1.29 100 Pd      57 20.90   0.0
MMCZ     1.32  92 Pd      57 21.20   0.1
MHZ      1.42  94 Pd      57 22.30   0.1
CMCZ     1.43  98 Pd      57 22.30   0.1
                  eS      57 38.90
SBCZ     1.45  95 Pd      57 22.40   0.0
LSCZ     1.49  96 P       57 22.80  -0.1
MSCZ     1.52  95 P       57 23.20   0.1
BWZ      1.91  78 Pc      57 27.60   0.2
ODZ      2.39  93 Pd      57 33.50   0.3
                  eS      57 58.10
EWZ      2.96  62 Pc      57 40.70   0.4
MQZ      4.06  74 P       57 54.50  -0.2
LTZ      4.22  60 P       57 56.70  -0.2
DSZ      4.62  47 eP      58 02.70   0.6
QRZ      5.66  45 eP      58 17.30   1.3
CAW      6.89  59 eP      58 32.00  -0.7
MTW      7.13  61 eP      58 34.60  -1.2
     S.D. = 0.6  on   18 of   18 obs.
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   JUN  21, 1992   11h 19m 39.72± 0.22s
   38.307 N ± 3.9km    99.423 E ± 3.7km
```

21d 11h

DEPTH = 20.0km (9 depth phases)
4.8mb (43 obs.) 5.0Msz (1 obs.)
QINGHAI, CHINA (325)
ML 5.0 (BJI).
GTA 1.14 15 iPgd 19 59.00 -1.7
Z 10s 28.80um
Sg 20 07.00
LZH 4.17 121 Pn 20 44.00 0.1
Z 10s 16.80um
Pg 20 55.00
Sn 21 32.00
Sg 21 44.00
CD2 8.20 153 P 21 41.40 0.9
S 23 15.00
BTO 8.51 71 P 21 41.00 -3.9X
N 10s 6.03um
E 10s 6.39um
eS 23 15.00
XAN 8.78 116 eP 21 44.50 -4.1X
N 10s 4.43um
E 10s 4.76um
HHC 9.71 71 eP 21 56.80 -4.7X
1.0s 59.00nm 5.9mb X
Z 10s 4.44um 3.8MszX
TIY 10.29 89 eP 22 04.50 -4.9X
0.6s 180.00nm 6.6mb X
E 11s 5.96um
WMQ 10.42 306 P 22 10.50 -0.7
Z 14s 2.87um
LSA 10.99 221 eP 22 21.00 1.7
ZAK 12.38 12 iPd 22 36.50 -1.1
1.0s 54.00nm 5.7mb
eS 24 54.00
BJI 13.12 77 eP 22 44.50 -3.0X
1.0s 22.00nm 5.2mb
Z 13s 5.30um 3.6Msz
N 11s 2.80um
E 11s 3.60um
GYA 13.30 151 P 22 49.20 -0.8
Z 10s 7.59um
S 25 12.00
TIA 14.26 93 eP 22 57.50 -5.0X
1.6s 60.00nm 5.0mb
Z 14s 4.34um 4.7Msz
N 15s 3.85um
SS 25 55.00
IRK 14.38 12 eP 23 04.50 0.5
2.0s 39.00nm 4.7mb
WHN 14.54 118 eP 23 08.00 1.8
Z 16s 2.98um
sP 23 17.00
eS 25 50.00
GUN 15.35 232 P 23 19.00 1.8
KKN 15.81 233 P 23 21.20 -1.8
PKI 15.89 232 P 23 23.00 -1.1
DMN 16.05 233 P 23 25.00 -1.1
GKN 16.07 235 P 23 25.40 -0.9
NJ2 17.06 106 eP 23 37.50 -1.0
N 12s 1.76um
E 12s 3.32um
S 26 50.00
DL2 17.37 81 eP 23 42.70 0.3
Z 12s 1.58um
N 14s 3.17um
TLG 17.39 294 eP 23 44.00 1.2
e 26 57.00
KSH 18.28 281 P 24 00.00 6.1X
Z 12s 3.10um
SNY 18.80 72 Pd 23 58.00 -2.1
1.0s 31.00nm 4.5mb
Z 17s 2.60um 4.1MszX
E 10s 1.45um
S 27 28.00
SSE 19.26 105 Pd 24 09.00 3.2X
1.5s 28.00nm 4.3mb
Z 20s 0.90um 6.1Msz
N 14s 1.70um
E 14s 0.70um
S 27 40.00
GZH 19.29 138 Pc 24 06.00 -0.1
Z 12s 3.13um
N 10s 1.93um
E 10s 1.88um
FRU 19.35 291 ePd 24 09.00 2.1
2.5s 190.00nm 4.9mb
CHG 19.43 181 ePd 24 08.00 0.1
1.0s 20.00nm 4.3mb
CN2 20.34 66 eP 24 16.20 -1.1
0.8s 25.00nm 4.6mb
Z 14s 5.25um 5.0MszX
N 10s 1.37um
E 10s 3.03um
epP 24 19.00 10km
eS 27 57.00
HKC 20.37 137 eP 24 16.60 -1.1
BDT 20.99 181 eP 24 25.00 0.8
OZH 21.02 124 eP 24 23.50 -0.9
Z 14s 2.36um 4.7MszX
N 10s 1.28um
eS 28 14.00
BOD 21.81 22 eP 24 32.20 0.0
1.4s 37.00nm 4.6mb
MDJ 23.39 65 eP 24 48.10 0.3
1.0s 13.00nm 4.4mb
Z 14s 2.95um 4.9MszX
pP 24 52.30 15km
HYB 27.69 227 eP 25 32.00 3.4X
QUE 27.93 263 eP 25 31.10 0.3
SVE 31.48 319 ePc 26 02.00 0.0
1.8s 40.00nm 5.0mb
e 27 11.80 371kmX
MAIO 31.66 279 eP 26 07.00 3.1X
TIK 36.62 15 eP 26 47.50 1.5
1.6s 20.00nm 4.7mb
eS 32 27.00
GRS 40.83 289 eP 27 23.00 1.3
2.0s 50.00nm 4.9mb
ERE 42.00 290 eP 27 33.00 1.8
KIV 42.39 296 iPc 27 35.70 1.3
Z 13s 0.55um 4.6MszX
eS 29 21.70
MOS 44.00 314 eP 27 50.00 2.9X
e 27 59.00 30km
OBN 44.63 313 eP 27 52.00 -0.2
1.0s 25.00nm 5.1mb
KAF 49.29 324 iP 28 28.20 -0.5
NUR 50.31 322 iP 28 33.70 -2.8X
0.5s 8.70nm 5.0mb
KIS 51.00 304 eP 28 45.00 3.0X
e 28 54.00 30km
ILT 52.16 28 eP 28 52.00 1.5
1.4s 18.00nm 4.8mb
Z 12s 1.60um 5.3MszX
E 12s 1.20um
e 30 04.00 343kmX
MLR 53.41 303 eP 29 02.00 1.7
UPP 53.87 322 iP 29 02.70 -0.5
OJC 55.66 310 eP 29 16.20 -0.3
e 29 21.30 17km
HFS 55.68 323 eP 29 14.80 -1.7
0.5s 4.10nm 4.7mb
Z 20s 1.18um 5.0Msz
LR 48 17.00
SPC 55.75 309 eP 29 16.20 -1.2
e 29 23.80 25km
NB2 56.55 324 P 29 21.30 -1.5
0.6s 2.50nm 4.4mb
KSP 57.52 312 eP 29 13.70 -16.1X
i 29 29.40 59kmX
SKO 57.76 300 iP 29 32.70 1.1
BRG 58.88 312 eP 29 39.30 0.0
PRU 58.88 311 eP 29 39.20 -0.1
e 29 43.30 13km
CLL 59.24 313 eP 29 41.00 -0.8
PTJ 59.71 307 iP 29 45.30 0.1
KHC 59.81 311 eP 29 43.50 -2.3
1.5s 8.50nm 4.7mb
e 29 50.00 21km
GEC2 59.85 310 P 29 44.90 -1.3
0.7s 1.93nm 4.3mb
KBA 60.83 309 iPd 29 53.00 0.1
0.9s 10.00nm 4.9mb
GRF 60.96 312 eP 29 53.90 0.3
e 29 59.70 19km
IMA 61.95 26 eP 30 01.75 1.5
0.7s 3.03nm 4.6mb
TTA 62.72 30 eP 30 06.96 1.7
0.8s 6.23nm 4.8mb
ASS 63.09 305 P 30 06.00 -2.0
MBC 63.09 10 eP 30 11.00 3.5X
SFI 63.21 306 P 30 09.00 0.4
CRE 63.28 306 P 30 09.00 -0.3
PGD 63.31 306 P 30 11.00 1.4
SVW 63.83 32 eP 30 15.63 3.0X
0.8s 18.30nm 5.3mb
BSF 64.42 312 eP 30 15.90 -0.8
0.8s 5.25nm 4.7mb
FBA 64.64 26 eP 30 19.56 1.8
0.9s 15.41nm 5.2mb
LPG 65.61 310 eP 30 24.80 0.2
0.8s 13.45nm 5.1mb
LPL 65.61 310 eP 30 24.60 0.0
0.7s 7.30nm 4.9mb
PGF 65.69 306 eP 30 25.00 0.0
0.9s 21.80nm 5.3mb
PWA 65.81 29 eP 30 28.10 2.8X
BNI 65.88 309 P 30 26.00 -0.2
SBF 66.01 308 eP 30 26.60 -0.4
0.6s 12.45nm 5.2mb
PMR 66.14 29 eP 30 29.23 1.9
0.8s 14.62nm 5.2mb
WRA 66.57 144 P 30 29.90 -0.7
0.5s 2.40nm 4.6mb
WB2 66.58 144 iPc 30 29.50 -1.2
0.8s 9.10nm 5.0mb
FRF 66.66 308 eP 30 31.00 0.0
SMF 66.75 312 eP 30 30.80 -0.8
0.9s 7.35nm 4.8mb
LMR 66.86 308 eP 30 31.80 -0.5
0.7s 3.65nm 4.6mb
AVF 66.96 312 eP 30 32.10 -0.8
KDC 67.04 34 eP 30 34.76 1.6
1.3s 27.01nm 5.2mb
KLU 67.41 28 eP 30 37.80 2.2
MAF 67.72 312 eP 30 37.50 -0.3
0.8s 7.00nm 4.9mb
TCF 67.90 312 eP 30 38.50 -0.4
LDF 67.97 315 eP 30 38.40 -0.8
0.8s 6.05nm 4.8mb
CAF 68.72 311 eP 30 43.90 -0.1
RJF 68.84 311 eP 30 44.70 0.0
MFF 69.09 313 eP 30 45.80 -0.4
0.7s 8.95nm 5.0mb
LPO 69.38 311 eP 30 47.90 -0.1
LFF 69.50 311 eP 30 48.70 0.0
ASPA 69.62 146 eP 30 52.20 2.6X
1.1s 14.80nm 5.0mb
EPF 70.81 310 eP 30 56.00 -0.8
0.7s 3.75nm 4.6mb
TOL 75.33 309 eP 31 24.50 1.1
YKA 75.88 16 eP 31 24.80 -1.2
1.3s 7.90nm 4.6mb
SES 87.69 19 eP 32 28.00 0.0
DPW 87.89 24 (P) 32 32.15 3.1X
SIV 151.91 317 ePKP 39 30.00 1.6
S.D. = 1.1 on 86 of 105 obs.

& JUN 21, 1992 11h 26m 02.13s
40.545 N 124.379 W
DEPTH = 3.7km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 2.9 (GM).
FHC 0.39 49 ePc 26 11.32 1.3
LTCM 1.76 100 (P) 26 33.02 -0.5
LBFM 2.05 66 ePd 26 37.59 -0.4
ORV 2.42 113 eP 26 38.69 -4.5
4 obs. associated

% JUN 21, 1992 12h 19m 55.73± 0.78s
42.937 N ± 6.1km 18.741 E ± 5.3km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.7 (TTG).
BRY 0.15 256 iPgc 19 59.24 -0.1
iSg 20 01.69
NKY 0.23 123 iPgc 20 01.09 0.4
iSg 20 05.74
HCY 0.52 200 iPgd 20 06.57 0.3
iSg 20 13.94
PLE 0.62 50 iPgc 20 08.25 0.0
iSg 20 18.20
TTG 0.64 143 iPgd 20 07.77 -0.7
iSg 20 18.00
BDV 0.66 174 iPgd 20 08.69 -0.1
iSg 20 19.07
IVA 0.85 94 iPgd 20 12.32 0.1
iSg 20 26.13
PVY 0.97 110 iPgc 20 14.24 0.0

iSg 20 30.03
ULC 1.04 159 iPgc 20 15.57 0.1
iSg 20 31.79
S.D. = 0.4 on 9 of 9 obs.

? JUN 21, 1992 13h 29m 56.17± 7.40s
35.319 S ±66.1km 70.868 W ±20.5km
DEPTH = 110.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 4.1 (SAN).

CACH 1.22 11 iPd 30 20.20 0.0
CHCH 1.39 7 iPc 30 22.30 0.2
iS 30 42.70
LNV 1.43 342 iPc 30 22.10 -0.4
(S) 30 39.80
TACH 1.66 358 iPc 30 25.10 -0.3
PCH 1.72 10 iPd 30 26.50 0.3
iS 30 50.40
SAN 1.87 5 iP 30 28.00 0.0
FCH 2.04 14 iPd 30 30.60 0.1
PEL 2.18 4 iPd 30 32.10 0.1
iS 30 59.10
ROCH 2.34 357 eP 30 34.20 -0.2
iS 31 04.30
IHA 2.38 344 eP 30 35.20 0.7
e(S) 31 04.20
JACH 2.64 5 eP 30 37.70 -0.5
iS 31 09.80
S.D. = 0.4 on 11 of 11 obs.

JUN 21, 1992 13h 35m 46.01± 0.23s
28.384 N ± 5.6km 43.743 W ± 2.5km
DEPTH = 22.3km (30 depth phases)
5.0mb (58 obs.) 4.7Msz (19 obs.)
NORTHERN MID-ATLANTIC RIDGE (403)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 30C
Centroid Location:
Origin Time 13:35:50.2 0.8
Lat 28.75N 0.10 Lon 43.38W 0.08
Dep 15.0 FIX Half-duration 1.4
Moment Tensor; Scale 10**16 Nm
Mrr=-6.35 0.42 Mtt= 0.52 0.69
Mff= 5.83 0.62 Mrt= 0.00 0.00
Mrf= 0.00 0.00 Mtf= 3.04 0.45
Principal Axes:
T Val= 7.21 Plg= 0 Azm=114
N -0.86 0 24
P -6.35 90 180
Best Double Couple:Mo=6.8*10**16
NP1:Strike=204 Dip=45 Slip= -90
NP2: 24 45 -90

HRV 26.54 309 P 41 30.00 6.1X
Z 20s 1.92um 4.6Msz
RSNY 29.33 312 P 42 00.00 10.8X
Z 21s 1.45um 4.6Msz
MCWV 31.77 300 P 42 20.00 9.2X
Z 21s 1.54um 4.7Msz
LHS 32.08 290 (P) 42 13.08 -0.5
JSC 32.45 290 eP 42 18.27 1.5
epP 42 24.09 20km
KDS 33.33 112 iP 42 21.50 -3.1X
PRM 33.37 290 eP 42 25.61 0.8
epP 42 32.55 24km
TKL 34.53 292 eP 42 34.76 0.0
epP 42 41.98 25km
TOL 34.54 60 eP 42 40.00 5.1X
eS 47 58.00
ITR 37.28 171 eP 43 02.60 4.4X
PWLA 38.04 291 eP 43 05.72 1.2
epP 43 12.36 22km
esP 43 16.77
EPF 38.22 56 eP 43 06.00 0.0
1.5s 31.85nm 4.9mb
LPF 38.26 47 eP 43 06.00 -0.2
1.0s 53.40nm 5.3mb
GRR 38.48 47 eP 43 07.70 -0.3
1.0s 24.00nm 4.9mb
MFF 38.51 50 eP 43 08.20 -0.1
1.3s 55.25nm 5.2mb
LFF 38.80 53 eP 43 10.20 -0.5
1.0s 35.20nm 5.1mb
FLN 38.82 46 eP 43 10.50 -0.3
0.8s 15.05nm 4.8mb

Z 20s 0.57um 4.4Msz
LDF 39.00 47 eP 43 12.00 -0.4
0.8s 23.50nm 5.0mb
LPO 39.07 53 eP 43 12.60 -0.4
RJF 39.40 52 eP 43 15.00 -0.8
LSF 39.57 51 eP 43 16.80 -0.4
0.9s 18.35nm 4.8mb
EKA 39.60 36 P 43 17.00 -0.3
1.0s 9.90nm 4.5mb
CAF 39.72 53 eP 43 17.90 -0.6
SLM 39.72 297 P 43 30.00 11.5X
Z 19s 1.02um 4.7Msz
FVM 39.87 296 P 43 30.00 10.2X
Z 20s 1.64um 4.9Msz
TCF 40.05 51 eP 43 20.70 -0.4
0.9s 15.90nm 4.7mb
PYM 40.51 52 P 43 24.72 -0.2
CCM 40.52 296 eP 43 26.24 1.2
0.8s 13.32nm 4.7mb
epP 43 32.74 22km
esP 43 37.90
BGF 40.53 50 eP 43 24.50 -0.5
LBL 40.60 53 P 43 25.00 -0.7
AGO 40.64 51 P 43 25.26 -0.7
AVF 40.91 50 eP 43 27.70 -0.4
1.1s 21.75nm 4.8mb
COLF 40.95 52 P 43 28.48 -0.1
PLDF 40.96 52 P 43 28.91 0.2
SSF 41.06 50 eP 43 28.90 -0.5
1.0s 26.80nm 4.9mb
SMF 41.22 51 eP 43 30.50 -0.2
1.0s 45.20nm 5.2mb
LOR 41.33 50 eP 43 31.10 -0.5
1.0s 29.00nm 5.0mb
Z 22s 0.65um 4.5Msz
LBF 41.36 50 eP 43 31.40 -0.5
1.0s 23.20nm 4.9mb
SNF 42.25 45 iPc 43 39.66 0.6
DOU 42.35 46 P 43 40.20 0.3
e 44 02.00 91kmX
UCC 42.36 45 P 43 40.00 0.0
TIC 42.50 113 P 43 41.10 -0.5
LRG 42.64 56 eP 43 42.60 0.3
Z 21s 1.02um 4.7Msz
LMR 42.74 56 eP 43 43.30 0.1
LIC 42.74 114 P 43 43.20 -0.3
FRF 42.85 55 eP 43 44.20 0.1
1.1s 20.25nm 4.8mb
KIC 42.89 113 P 43 44.40 -0.3
VITF 42.90 49 P 43 44.33 -0.2
BNI 42.98 53 P 43 47.30 1.9
LPL 43.07 53 eP 43 46.80 0.7
1.0s 9.40nm 4.5mb
LPG 43.08 53 eP 43 47.00 0.7
1.0s 10.60nm 4.5mb
HAU 43.11 49 eP 43 45.50 -0.7
1.0s 23.40nm 4.9mb
Z 22s 0.43um 4.3Msz
WLF 43.26 46 Pc 43 48.00 0.7
ENN 43.33 45 eP 43 48.00 0.2
1.1s 14.00nm 4.6mb
LOMF 43.34 50 P 43 47.89 -0.3
DOI 43.35 54 P 43 49.40 1.2
BSF 43.38 49 eP 43 47.80 -0.7
1.3s 31.75nm 4.9mb
DIX 43.60 52 ePc 43 51.20 0.7
MOF 43.61 49 P 43 49.72 -0.6
ECH 43.68 49 P 43 50.22 -0.6
CDF 43.78 48 P 43 51.30 -0.4
MMK 43.98 52 ePc 43 54.80 1.3
WTS 44.13 43 eP 43 55.00 0.7
0.9s 10.00nm 4.7mb
FEL 44.20 49 P 43 54.41 -0.8
TUL 44.27 294 iPd 43 54.70 -1.0
1.0s 55.00nm 5.4mb
Z 18s 1.00um 4.8Msz
e 44 01.80 24km
e 44 06.70
e 44 11.60
LR 57 01.00
TMA 44.61 52 ePc 43 59.20 0.6
SIO 44.70 293 eP 43 58.60 -0.7
e 44 05.00 21km
LLS 44.76 51 P 44 01.23 1.4
ULM 44.78 314 eP 44 00.50 0.8
OSS 45.53 51 ePc 44 06.40 0.5
PII 45.67 55 P 44 07.80 1.0

OCO 45.67 293 iPc 44 09.70 2.7X
MME 45.81 55 P 44 10.00 1.8
FCC 45.84 326 eP 44 10.00 2.1
FIR 46.20 55 eP 44 12.00 1.0
GRF 46.52 47 eP 44 14.20 0.7
2.1s 148.00nm 5.6mb
Z 20s 0.40um 4.4Msz
e(pP) 44 20.30 20km
CTI 46.54 52 P 44 13.60 -0.2
SFI 46.63 55 P 44 14.20 -0.2
MEO 46.67 292 iPc 44 15.20 0.3
CRE 46.71 55 P 44 14.20 -0.9
MOX 46.88 46 iP 44 17.00 0.7
2.0s 57.00nm 5.3mb
Z 21s 0.60um 4.5Msz
E 20s 0.30um
S 51 14.00
ACO 46.88 295 iPc 44 17.30 0.8
SIV 47.19 203 P 44 18.60 -0.5
FVI 47.34 51 P 44 19.90 0.0
WET 47.55 48 eP 44 21.70 0.1
KBA 47.75 51 i(P) 44 21.20 -2.2
1.5s 33.50nm 5.2mb
i 44 23.00 6kmX
AQU 47.80 57 P 44 23.60 -0.1
CLL 47.82 45 iPc 44 24.10 0.4
2.1s 63.00nm 5.3mb
KHC 48.00 48 P 44 24.80 -0.4
1.2s 18.00nm 5.0mb
e 44 31.00 21km
e 44 53.00
GEC2 48.07 48 P 44 24.40 -1.4
1.0s 5.82nm 4.6mb
VOY 48.10 52 eP 44 21.50 -4.6X
e 44 26.10 15km
BRG 48.37 46 eP 44 27.40 -0.6
2.0s 52.00nm 5.2mb
CEY 48.47 53 eP 44 28.00 -0.8
LJU 48.55 52 eP 44 29.00 -0.4
DUI 48.62 58 P 44 30.70 0.6
PRU 48.69 47 eP 44 30.50 0.1
2.0s 63.10nm 5.3mb
e 44 41.90 40kmX
NB2 48.75 32 P 44 31.20 0.4
1.1s 17.80nm 5.0mb
VBY 49.05 53 eP 44 34.00 0.7
ePP 44 39.90
SGO 49.34 59 P 44 35.70 0.2
PTJ 49.54 52 eP 44 37.50 0.4
ZAG 49.56 53 ePc 44 37.60 0.5
HFS 49.70 34 eP 44 37.90 -0.1
0.8s 13.80nm 5.0mb
KSP 49.86 46 eP 44 37.80 -1.6
i 44 39.80 7kmX
i 44 45.30
DAG 49.90 7 iPd 44 40.00 0.7
2.0s 70.59nm 5.3mb
TDS 50.22 61 P 44 43.70 1.4
ZOBO 50.29 211 P 44 42.10 -1.6
1.1s 23.78nm 5.1mb
S 52 08.00
LR 01 14.00
ZST 50.31 49 eP 44 42.50 -0.4
LPB 50.49 211 iPc 44 45.10 0.1
CNCB 50.68 211 P 44 46.20 -0.4
SRO 51.12 50 iP 44 46.60 -2.4
GOL 51.40 300 eP 44 51.74 0.1
1.2s 11.20nm 4.7mb
Z 20s 2.09um 5.2Msz
epP 44 59.13 25km
OJC 52.08 47 eP 44 56.80 0.5
e 45 03.50 22km
SPC 52.38 48 eP 44 59.90 1.1
ALQ 53.02 294 eP 45 05.17 1.4
1.2s 21.36nm 5.0mb
Z 20s 1.17um 4.9Msz
ipP 45 12.25 23km
esP 45 16.90
OHR 53.42 58 eP 45 05.50 -0.9
UZH 53.76 49 eP 45 09.00 0.3
1.3s 95.00nm 5.6mb
SKO 53.78 57 iP 45 08.60 -0.4
BW06 54.14 304 eP 45 10.80 -1.1
1.0s 29.17nm 5.3mb
ipP 45 18.00 24km
isP 45 23.10
SES 54.48 313 eP 45 13.00 -1.1

21d 13h

VAY 54.71 58 iP 45 05.40 -10.4X
NUR 55.15 34 eP 45 18.20 -0.5
SRU 55.43 300 eP 45 20.93 -0.4
epP 45 27.96 23km
EMUT 55.53 301 eP 45 22.06 0.0
DAU 55.76 301 eP 45 23.12 -0.7
epP 45 30.29 23km
LRM 55.82 308 eP 45 23.80 -0.3
KAF 56.03 32 iP 45 23.70 -1.4
YKA 56.43 328 eP 45 25.70 -2.2
1.0s 8.80nm 4.7mb
MLR 56.54 52 ePc 45 29.00 -0.2
HPI 56.57 306 eP 45 25.65 -3.9X
HVU 56.65 303 eP 45 29.39 -0.6
epP 45 36.11 22km
MNK 56.75 42 eP 45 29.00 -1.3
MSU 56.81 299 iPc 45 31.94 0.6
ipP 45 38.44 21km
DUG 56.97 301 eP 45 31.77 -0.5
1.0s 11.77nm 4.9mb
epP 45 38.89 23km
VRI 57.03 52 ePc 45 33.50 1.0
ARUT 57.94 299 eP 45 38.91 -0.2
epP 45 46.10 24km
esP 45 51.28
KIS 58.33 50 eP 45 38.00 -3.5X
Z 24s 4.00um 5.5MszX
NEW 58.65 311 eP 45 43.00 -0.8
1.0s 47.50nm 5.5mb
epP 45 50.00 23km
MBC 59.23 344 eP 45 48.00 0.5
1.5s 26.00nm 5.1mb
DPW 59.43 311 eP 45 48.50 -0.8
epP 45 55.22 22km
PNT 60.11 313 ePc 45 54.00 0.1
1.1s 17.00nm 5.1mb
TNP 60.78 300 eP 45 58.07 -0.7
1.0s 6.79nm 4.7mb
epP 46 05.02 23km
KVN 61.20 301 (P) 46 02.09 0.5
(pP) 46 08.72 22km
BONR 61.64 300 eP 46 03.86 -0.9
OBN 61.84 40 iPc 46 05.00 -0.5
1.5s 140.00nm 5.9mb
e 46 40.00 147kmX
PEC 61.86 295 eP 46 06.26 0.3
1.3s 13.88nm 4.9mb
epP 46 13.02 22km
MOS 62.30 39 eP 46 08.00 -0.6
ISA 62.39 298 P 46 20.00 10.5X
Z 18s 0.70um 4.9Msz
LBFM 63.42 305 eP 46 16.97 0.5
epP 46 23.51 21km
esP 46 28.35
ORV 63.61 303 ePc 46 17.31 -0.2
epP 46 24.03 22km
KIV 68.49 51 iPd 46 48.80 0.0
PYA 68.71 51 iPc 46 51.00 0.9
FBA 70.34 334 eP 47 00.10 0.5
MTA 70.72 52 eP 47 03.00 0.7
GRO 70.74 51 eP 47 03.00 0.6
1.0s 110.00nm 5.9mb
KLU 70.99 330 eP 47 02.67 -1.0
epP 47 09.97 23km
esP 47 14.54
ERE 71.06 54 iP 47 04.50 0.0
2.0s 20.00nm 4.9mb
e 56 20.00
IMA 71.99 336 eP 47 11.00 1.3
1.7s 60.00nm 5.4mb
PMR 72.33 331 eP 47 10.91 -0.7
1.3s 37.24nm 5.3mb
Z 19s 0.58um 4.9Msz
epP 47 18.39 24km
esP 47 23.14
GRS 72.62 54 eP 47 13.00 -1.0
1.5s 30.00nm 5.1mb
Z 20s 2.03um 5.4Msz
N 21s 1.36um
E 21s 3.05um
ARU 73.24 35 eP 47 17.00 0.0
2.0s 150.00nm 5.7mb
SVE 74.06 34 ePd 47 21.80 0.0
2.2s 160.00nm 5.7mb
SVW 75.29 332 eP 47 27.94 -0.9
1.4s 46.59nm 5.3mb
epP 47 35.42 24km

esP 47 40.40
TIK 80.12 2 iP 47 55.00 -0.2
2.0s 66.00nm 5.3mb
i 48 06.50 38kmX
e 51 00.00
SDN 80.70 329 P 48 10.00 11.4X
Z 21s 1.71um 5.4Msz
MAIO 83.35 52 eP 48 14.00 1.1
KRI 83.94 113 iPd 48 18.40 2.3
FRU 89.29 40 eP 48 44.00 2.1
YAK 89.77 3 iPc 48 43.80 0.1
2.0s 60.00nm 5.5mb
OUE 91.89 54 eP 48 57.00 2.6X
BOD 92.12 12 eP 48 54.50 -0.2
HON 99.59 300 P 49 40.00 10.7X
Z 21s 0.48um 5.0Msz
WRA 171.42 12 PKP 55 55.70 1.7
0.8s 0.60nm
S.D. = 0.8 on 155 of 172 obs.

• JUN 21, 1992 14h 01m 09.44± 1.25s
51.119 N ±16.2km 15.840 E ± 7.7km
DEPTH = 5.0km (geophysicist)
POLAND (548)
MG 2.8 (WAR).

BRG 1.22 259 iPg 01 33.00 0.4
iSg 01 52.80
PRU 1.40 217 ePn 01 35.50 -0.2
Pg 01 37.50
e 01 41.10
Sn 01 54.50
eSg 02 00.00
CLL 1.79 277 ePg 01 41.00 -0.3
eSg 02 08.00
KHC 2.47 217 Pn 01 51.00 0.0
Pg 01 57.00
e 02 21.00
eSg 02 32.50
OJC 2.67 108 eP 01 54.00 0.1
iS 02 29.90
MOX 2.72 262 ePg 02 00.70 6.1X
iSg 02 40.00
S.D. = 0.3 on 5 of 6 obs.

• JUN 21, 1992 14h 31m 16.69± 1.33s
10.867 S ±14.5km 164.286 E ±16.1km
DEPTH = 33.0km (normal)
4.6mb (6 obs.)
SANTA CRUZ ISLANDS REGION (183)

HNR 4.50 288 eP 32 24.00 -0.4
eS 33 21.00
DZM 11.33 170 iPc 33 58.40 -1.1
iS 35 58.00
CTA 19.63 240 iPd 35 45.90 0.2
0.8s 77.61nm 5.0mb
RMQ 21.36 221 eP 36 05.00 1.5
QIS 25.60 245 eP 36 41.00 -3.9X
CMS 26.70 217 eP 36 55.00 0.2
0.8s 13.00nm 4.6mb
STK 29.61 222 eP 37 22.20 1.0
0.8s 4.00nm 4.2mb
WB2 30.19 249 iPc 37 24.70 -1.8
0.6s 5.30nm 4.5mb
MAW 84.35 202 e(P) 43 51.00 4.5X
1.0s 8.00nm 4.9mb
YKA 95.47 27 eP 44 39.50 0.4
0.9s 0.30nm 3.7mb
S.D. = 1.3 on 8 of 10 obs.

JUN 21, 1992 15h 07m 27.57± 0.40s
28.358 N ± 9.1km 43.742 W ± 5.5km
DEPTH = 10.0km (geophysicist)
4.7mb (21 obs.) 4.0Msz (3 obs.)
NORTHERN MID-ATLANTIC RIDGE (403)

TKL 34.54 292 eP 14 20.92 2.7
LPF 38.28 47 eP 14 50.20 0.5
1.0s 14.40nm 4.7mb
MFF 38.53 50 eP 14 52.40 0.6
LDF 39.02 47 eP 14 56.00 0.1
1.0s 18.80nm 4.7mb
TCF 40.06 51 eP 15 05.00 0.4
1.0s 6.80nm 4.3mb
CCM 40.53 296 eP 15 09.76 1.2
1.3s 7.72nm 4.2mb

AVF 40.93 50 eP 15 12.00 0.4
1.4s 26.55nm 4.8mb
SSF 41.08 50 eP 15 13.10 0.2
1.0s 8.20nm 4.4mb
SMF 41.23 51 eP 15 14.70 0.5
1.1s 21.75nm 4.8mb
LOR 41.35 50 eP 15 15.30 0.2
1.2s 20.55nm 4.7mb
Z 21s 0.20um 4.0Msz
LBF 41.38 50 eP 15 15.50 0.1
1.1s 10.75nm 4.5mb
LPL 43.08 53 eP 15 30.90 1.3
LPG 43.09 53 eP 15 31.20 1.4
HAU 43.13 49 eP 15 29.70 0.0
1.2s 21.40nm 4.8mb
Z 22s 0.17um 3.9Msz
CDF 43.80 48 eP 15 35.20 0.0
1.2s 16.65nm 4.7mb
TUL 44.28 294 eP 15 38.30 -0.9
1.2s 11.10nm 4.6mb
Z 20s 0.50um 4.4Msz
e 15 50.20
LR 28 54.00
SIO 44.72 293 e(P) 15 41.00 -1.7
FCC 45.86 326 eP 15 52.50 1.1
GRF 46.54 47 eP 15 57.00 0.0
MOX 46.90 46 eP 15 59.40 -0.4
1.7s 19.00nm 4.9mb
SIV 47.17 203 eP 16 02.00 -0.3
CLL 47.84 45 eP 16 07.00 -0.2
KHC 48.02 48 P 16 08.40 -0.3
1.3s 9.50nm 4.7mb
e 16 25.00
GEC2 48.08 48 P 16 07.60 -1.7
1.0s 3.89nm 4.4mb
PRU 48.70 47 eP 16 14.00 0.1
KSP 49.87 46 eP 16 12.00 -10.9X
i 16 24.80
ZOBO 50.27 211 iPc 16 26.10 -0.9
LR 32 08.00
ZST 50.32 49 eP 16 25.40 -1.0
LPB 50.47 211 P 16 29.00 0.8
CNCB 50.66 211 P 16 29.90 0.0
SRO 51.14 50 eP 16 46.60 14.1X
GOL 51.41 300 (P) 16 35.59 0.5
0.8s 1.15nm 3.9mb
OJC 52.09 47 eP 16 39.70 -0.1
BW06 54.15 304 eP 16 54.20 -1.2
1.2s 17.81nm 5.0mb
SRU 55.45 300 eP 17 04.48 -0.4
YKA 56.45 328 eP 17 09.30 -2.2
0.8s 1.50nm 4.1mb
MLR 56.56 52 eP 17 12.00 -0.7
HPI 56.59 306 (P) 17 09.55 -3.6X
MSU 56.83 299 eP 17 15.10 0.3
ARUT 57.96 299 (P) 17 21.87 -0.8
NEW 58.67 311 eP 17 25.79 -1.6
1.3s 40.57nm 5.4mb
MBC 59.26 344 eP 17 31.00 -0.1
PLM 61.79 295 eP 17 50.64 1.5
OBN 61.86 40 eP 17 48.00 -1.1
1.4s 60.00nm 5.6mb X
PEC 61.87 295 eP 17 50.34 0.8
0.6s 3.97nm 4.8mb
FBA 70.36 334 eP 18 42.17 -1.0
1.6s 18.74nm 5.0mb
KLU 71.01 330 (P) 18 49.33 2.0
S.D. = 1.0 on 44 of 47 obs.

• JUN 21, 1992 15h 11m 13.84± 0.74s
3.485 S ± 8.9km 149.041 E ±11.0km
DEPTH = 33.0km (normal)
4.1mb (2 obs.)
BISMARCK SEA (203)

RAB 3.20 103 eP 12 03.00 0.0
PMG 6.18 198 eP 12 34.00 -11.2X
GUMO 17.46 346 eP 15 16.30 -0.3
PJG 17.46 346 eP 15 16.90 0.3
WB2 21.75 220 eP 16 04.70 0.1
0.4s 5.40nm 4.3mb
ASPA 24.83 215 eP 16 34.60 -0.1
0.9s 3.70nm 4.0mb
S.D. = 0.3 on 5 of 6 obs.

% JUN 21, 1992 16h 10m 23.96± 2.52s
39.258 N ±20.5km 27.825 E ± 8.2km

DEPTH = 10 0km (geophysicist)
TURKEY (366)

DST 0.71 61 iPn 10 37.80 -0.2
eSg 10 50.00
KCT 1.07 22 iPn 10 44.80 0.7
BNT 1.10 4 ePn 10 44.30 -0.3
KGT 1.26 342 ePn 10 47.00 -0.3
EZN 1.29 297 ePn 10 48.00 0.1
S.D. = 0.6 on 5 of 5 obs.

JUN 21, 1992 17h 43m 08.84± 0.12s
37.689 S ± 2.6km 176.861 E ± 2.9km
DEPTH = 10.0km (geophysicist)
6.1mb (49 obs.) 6.1Msz (37 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 5.7 (WEL). Mo=2.5*10**18 Nm
(PPT). Felt strongly at
Whakatane, Kawerau, Tauranga and
Rotorua.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=260 Dip=55 Slip=-110
NP2: 112 40 -64
Principal Axes:
T Plg= 8 Azm= 4
P 72 119
Comment: The focal mechanism is
poorly controlled and
corresponds to normal faulting
with a moderate strike-slip
component. The preferred fault
plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 2.3±0.8*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 18
Moment Tensor; Scale 10**18 Nm
Mrr=-1.48 Mtt= 1.50
Mff=-0.01 Mrt= 1.33
Mrf=-0.16 Mtf= 0.11
Principal axes:
T Val= 2.01 Plg=21 Azm=359
N 0.00 5 91
P -2.01 68 195
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 79 Dip=25 Slip=-103
NP2: 273 66 -84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 92C M.W.: 23S, 40C
Centroid Location:
Origin Time 17:43:16.6 0.1
Lat 37.46S 0.01 Lon 176.94E 0.02
Dep 15.0 BDY Half-duration 5.3
Moment Tensor; Scale 10**18 Nm
Mrr=-2.22 0.03 Mtt= 1.87 0.03
Mff= 0.35 0.03 Mrt= 1.09 0.10
Mrf=-0.16 0.10 Mtf= 1.14 0.03
Principal Axes:
T Val= 2.65 Plg=11 Azm=334
N -0.08 15 67
P -2.56 72 210
Best Double Couple:Mo=2.6*10**18
NP1:Strike= 46 Dip=37 Slip=-115
NP2: 257 57 -72

WIZ 0.31 58 P 43 17.10 1.9
TAZ 0.61 207 P 43 23.00 1.9
UTU 0.72 227 P 43 25.40 2.4
PATZ 0.84 214 P 43 27.10 2.0
WLZ 1.02 259 P 43 29.00 0.9
S 43 43.70
HBZ 1.15 86 eP 43 30.20 -0.1
PUZ 1.17 110 P 43 31.20 0.5
PAHZ 1.18 173 P 43 31.70 0.9
WHH 1.23 193 eP 43 32.30 0.6
KUZ 1.31 316 P 43 32.40 -0.6
S 43 48.90
NOZ 1.31 135 P 43 34.90 1.8
TAHZ 1.45 184 eP 43 36.70 1.5
MAHZ 1.70 152 P 43 40.30 1.6
MOZ 1.82 243 P 43 41.00 0.6
TTH 1.85 181 P 43 43.00 2.2
WAHZ 2.05 191 P 43 44.80 1.1
BSZ 2.59 215 eP 43 52.80 1.3
WCZ 2.67 310 P 43 52.20 -0.4

NRZ 2.83 233 eP 43 56.20 1.3
PGZ 2.96 189 P 43 55.80 -0.9
MNG 3.12 200 eP 43 58.70 -0.2
KIW 3.51 205 eP 44 04.50 -0.1
OUZ 3.60 312 eP 44 03.80 -2.1
MTW 3.62 196 eP 44 04.40 -1.7
CAW 3.69 202 eP 44 05.90 -1.2
BLW 3.83 196 eP 44 08.00 -1.1
DIW 3.86 215 eP 44 10.10 0.6
MRW 3.91 205 eP 44 08.90 -1.3
SNZO 3.98 204 ePn 44 10.77 -0.4
TCW 4.05 209 eP 44 11.10 -1.0
ORZ 4.60 226 eP 44 20.70 0.7
THZ 5.09 216 eP 44 25.80 -1.1
KHZ 5.37 207 eP 44 28.40 -2.4X
DSZ 5.62 222 eP 44 33.40 -1.2
LTZ 6.18 213 eP 44 38.70 -3.7X
MOZ 6.81 207 eP 44 45.50 -5.6X
EWZ 7.40 216 eP 44 58.60 -0.8
BWZ 8.63 215 eP 45 12.10 -4.4X
ODZ 8.71 210 eP 45 13.20 -4.5X
MHZ 9.31 215 eP 45 22.70 -3.4X
LSCZ 9.31 215 eP 45 21.70 -4.4X
SBCZ 9.32 215 eP 45 22.70 -3.5X
MMCZ 9.33 216 eP 45 23.50 -2.9X
CMCZ 9.38 215 eP 45 22.50 -4.5X
MSZ 9.70 221 eP 45 28.80 -2.5X
DZM 17.97 327 iPc 47 21.70 1.2
i 51 53.00
SVA 19.55 5 eP 47 39.60 -0.1
VUN 19.66 5 ePc 47 40.00 -0.9
MBU 20.70 5 eP 47 51.60 -0.2
MCQ 20.80 210 iPc 47 59.50 7.1X
RIV 21.19 273 ePd 48 02.00 5.4X
Z 18s 62.06um 6.0Msz
iS 52 08.00
ARMA 22.09 282 eP 48 11.00 5.1X
1.0s 107.00nm 5.2mb
CNB 22.20 268 iPd 48 13.00 6.0X
1.2s 708.00nm 6.0mb
iS 52 40.30
CAN 22.49 268 iPd 48 14.10 4.3X
e 52 43.20
BWA 23.19 269 iPd 48 18.40 1.8
eSn 52 48.10
TOO 24.79 261 iPc 48 35.60 3.5X
1.2s 1009.00nm 6.4mb
Z 20s 49.00um 6.0Msz
iS 53 03.40
AFI 25.75 26 eP 48 48.00 6.6X
RAR 26.04 57 eP 48 43.43 -0.5
RMQ 26.20 287 iPd 48 49.70 4.2X
1.5s 380.00nm 5.9mb
CMS 26.21 274 iPc 48 49.10 3.6X
1.3s 331.00nm 5.9mb
i 53 18.00
BFD 27.17 260 eP 48 55.00 0.8
1.7s 773.00nm 6.1mb
i 53 24.70
STK 29.42 271 iPc 49 17.60 3.0X
2.0s 47.30nm 5.0mb X
e 53 46.80
eS 54 26.90
OLP 29.62 282 eP 49 19.00 2.5
ADE 30.72 263 iPc 49 29.70 3.5X
1.5s 1333.33nm 6.6mb
CTA 31.83 295 eP 49 39.40 3.4X
1.4s 544.19nm 6.3mb
iScP 54 06.80
eS 55 03.80
CTAO 31.83 295 ePd 49 38.00 2.0
HNR 32.01 327 eP 49 39.00 1.5
eS 54 27.00
AFR 35.46 65 iP 50 08.20 0.8
1.4s 250.00nm 5.9mb
PAE 35.52 65 iP 50 08.60 0.7
1.4s 505.00nm 6.2mb
PPT 35.58 65 iP 50 09.20 0.7
1.4s 590.00nm 6.3mb
TVO 35.68 66 iP 50 10.30 0.9
1.4s 605.00nm 6.3mb
PPN 35.71 65 iP 50 10.50 1.0
1.4s 235.00nm 5.9mb
DRV 35.78 204 iP 50 09.20 -0.4
S 55 21.00
QIS 36.46 287 iPd 50 16.00 0.1
2.0s 909.00nm 6.3mb

i 50 19.60
i 54 44.20
PMO 38.49 64 iP 50 34.00 1.1
1.7s 395.00nm 5.9mb
VAH 38.52 64 iP 50 34.10 1.0
1.7s 300.00nm 5.7mb
TPT 38.70 64 iP 50 35.50 0.9
1.7s 330.00nm 5.8mb
RUV 38.73 64 iP 50 37.20 2.3
1.7s 395.00nm 5.8mb
PMG 38.85 309 eP- 50 39.00 3.1X
ASPA 39.17 278 iPd 50 39.70 1.1
1.8s 529.60nm 5.9mb
Z 17s 97.30um 6.7MszX
iScP 55 08.40
iS 56 44.40
RAB 40.26 320 eP 50 49.00 1.3
FORT 40.56 265 eP 50 51.00 1.0
WB2 40.83 284 iPd 50 54.00 1.7
0.8s 246.40nm 6.0mb
iS 55 21.30
iScS 00 42.00
WRA 40.84 284 P 50 54.20 1.8
0.7s 49.40nm 5.3mb
WARB 43.67 270 eP 51 18.00 2.4
WWKK 45.54 310 eP 51 29.00 -1.6
COOL 45.96 261 eP 51 34.00 0.2
CSY 46.72 211 iPd 51 38.90 -0.4
0.9s 67.90nm 5.7mb
e 53 11.90
MTN 47.58 289 eP 51 47.50 0.8
KNA 47.59 284 eP 51 47.20 0.5
0.6s 162.00nm 6.3mb
KLB 48.32 259 eP 51 51.00 -1.3
MUN 49.36 257 eP 51 59.00 -1.4
Z 20s 13.20um 5.9Msz
BAL 49.55 259 eP 52 01.00 -0.8
MEEK 49.82 265 eP 52 03.00 -1.0
MRWA 50.71 261 eP 52 06.00 -4.7X
MBL 51.58 272 iPd 52 16.70 -0.7
0.9s 250.00nm 6.1mb
SPA 52.50 180 iPd 52 25.30 1.3
1.2s 720.42nm 6.5mb
Z 20s 26.13um 6.3Msz
i 56 53.00
GUA 59.13 323 eP 53 12.60 0.6
1.8s 2036.36nm 7.0mb
Z 22s 9.75um 5.9Msz
GUMO 59.20 323 iPd 53 12.59 0.2
PJG 59.20 323 eP 53 12.80 0.4
MNI 61.78 297 ePc 53 31.50 1.2
KHKI 62.26 281 ePd 53 33.60 0.2
e 56 24.10
KKH 62.49 29 (P) 53 34.91 0.2
MHA 63.02 29 eP 53 38.72 0.5
HON 63.29 26 P 53 50.00 10.0X
Z 20s 7.33um 5.8Msz
KIP 63.37 26 eP 53 35.62 -4.9X
OPA 63.62 26 eP 53 40.17 -2.0
MAW 63.98 203 P 53 43.70 -0.4
BIP 65.68 303 ePc 53 55.00 -0.7
CGP 66.89 302 eP 54 02.00 -1.5
2.0s 806.00nm 6.6mb
AIA 66.99 156 eP 54 03.20 -0.2
PLP 68.69 304 ePd 54 16.00 1.3
TSM 68.76 294 ePd 54 16.20 1.0
2.0s 3051.30nm 7.1mb X
KKM 71.15 294 ePd 54 30.00 0.0
1.9s 1683.00nm 6.8mb
SNA 72.30 180 iPd 54 35.90 0.0
1.2s 656.25nm 6.6mb
BCP 75.41 304 eP 54 58.00 3.4X
PIP 76.79 306 ePd 55 04.00 1.6
KGM 78.27 282 eP 55 10.50 -0.2
KAGJ 80.86 321 eP 55 23.40 -0.9
KAKJ 81.00 331 eP 55 25.40 0.5
TATO 81.17 311 iPd 55 25.62 -0.4
IIDJ 81.27 329 eP 55 27.10 0.7
CHJJ 81.32 330 P 55 27.20 0.6
IPM 81.65 282 ePc 55 28.60 -0.3
1.8s 351.90nm 6.1mb
KUMJ 81.99 322 P 55 30.20 0.0
MAJO 82.07 329 iPd 55 29.77 -0.7
e 55 35.90
ePP 58 39.48
eHPP 58 40.37
MAT 82.07 329 iPd 55 29.70 -0.8

21d 17h

1.3s 96.15nm 5.7mb
Z 21s 11.47um 6.2Msz
eS 05 46.00
TSRJ 82.13 327 eP 55 31.90 1.1
MTMJ 82.27 329 eP 55 30.50 -1.1
NIIJ 82.36 330 eP 55 32.70 0.8
SHK 82.75 325 eP 55 34.50 0.4
YAMJ 82.77 332 eP 55 31.70 -2.4X
CRZF 82.82 215 eP 55 39.00 4.5X
ePP 58 01.00
ePPP 00 23.00
iS 06 17.00
eSP 06 49.00
eSS 11 34.00
eSSS 15 04.00
OZH 82.91 309 Pd 55 36.00 0.9
Z 36s 19.60um 6.2MszX
N 22s 10.50um
OFUJ 82.97 333 eP 55 34.40 -0.7
SHNJ 83.15 323 eP 55 38.90 2.8X
HKC 83.84 304 iP 55 43.00 3.1X
eS 56 06.10
OIZ 84.51 299 Pd 55 44.00 0.6
N 20s 5.35um
E 19s 2.46um
PP 59 02.00
eSKS 06 06.00
GZH 84.93 304 iPd 55 46.00 0.7
Z 40s 10.10um 5.9MszX
N 16s 2.42um
E 16s 2.21um
ERM 85.07 335 iPd 55 46.62 1.0
ed 55 52.49
HOOJ 85.36 336 eP 55 49.80 2.7X
KUSJ 85.55 337 eP 55 49.70 1.7
PEL 85.58 129 iPd 55 49.60 0.9
SSE 85.93 315 iPd 55 50.35 0.2
2.4s 470.00nm 6.2mb
Z 20s 12.80um 6.3Msz
N 19s 7.00um
E 20s 3.80um
ePP 59 17.83
SKS 06 10.00
MRRJ 86.14 334 eP 55 52.10 1.2
KUR 86.59 340 iPd 55 53.00 -0.1
Z 20s 6.30um 6.0Msz
N 20s 12.60um
E 20s 6.30um
e 59 15.00
eS 06 16.00
SAP 86.61 335 eP 55 54.00 0.8
ASAJ 87.13 336 P 55 56.50 0.8
RTBS 87.35 129 iPc 55 59.90 2.6X
NNT 87.67 288 eP 55 58.00 -1.0
e 59 11.40
RTCB 87.87 129 iPc 56 01.50 1.5
NJ2 87.97 314 Pd 55 56.00 -4.1X
N 19s 6.27um
E 19s 3.91um
S 06 45.00
CFA 88.14 129 e(P) 56 02.00 0.8
RTLL 88.19 129 ePc 56 01.60 0.1
NST 89.31 290 eP 56 08.50 1.7
ADK 89.38 4 eP 56 04.98 -1.3
1.7s 740.39nm 6.7mb
WHN 89.54 310 eP 56 08.00 0.4
2.0s 130.00nm 5.8mb
Z 38s 16.30um 6.2MszX
N 18s 4.73um
E 16s 3.88um
PP 59 48.00
SKS 06 39.00
YSS 89.70 337 iPd 56 08.19 0.3
2.0s 1240.00nm 6.8mb
Z 19s 11.70um 6.3Msz
N 19s 4.30um
E 19s 2.60um
ed 56 09.51
epPc 56 11.66 11kmX
esP 56 13.98
ePP 59 39.89
e 08 02.00
SMY 90.08 358 eP 56 08.42 -1.1
1.9s 1433.12nm 6.9mb
BDT 91.14 291 eP 56 16.00 0.8
DL2 91.59 320 eP 56 18.00 1.1
Z 42s 14.60um 6.1MszX

N 17s 3.79um
PP 59 56.00
eS 07 08.00
SS 13 16.00
GYA 91.65 302 iPd 56 18.00 0.4
Z 30s 45.20um 6.7MszX
N 20s 4.72um
E 20s 5.78um
PP 59 58.00
SS 13 30.00
LPA 91.67 138 eP- 56 18.00 0.4
Z 20s 8.51um 6.2Msz
eSKS 06 43.00
PET 91.71 349 iP- 56 16.00 -1.0
Z 20s 1.80um 5.5Msz
N 20s 1.40um
e 59 56.00
ePPP 01 52.00
eS 07 20.00
ePS 08 28.00
eSSS 17 00.00
TIA 91.99 316 eP 56 19.00 0.2
2.4s 90.00nm 5.7mb
Z 40s 17.20um 6.2MszX
N 17s 3.45um
ANT 92.15 122 eP 56 18.00 -2.0
1.9s 842.11nm 6.8mb
CHG 92.17 292 eP 56 20.00 0.0
CHTO 92.17 292 iPd 56 20.02 0.0
ENH 92.37 307 iPd 56 20.20 -0.4
ePP 59 59.52
MDJ 92.39 328 iPd 56 20.71 0.3
2.0s 180.00nm 6.1mb
Z 25s 20.90um 6.5MszX
N 25s 14.40um
E 25s 9.39um
ePP 00 03.50
eHPP 00 03.83
SBC 92.83 48 ePc 56 22.51 -0.2
eHPP 00 05.14
ePP 00 06.46
SNY 92.87 323 iPd 56 23.00 0.4
2.0s 120.00nm 6.0mb
Z 31s 19.00um 6.4MszX
N 24s 6.29um
E 23s 7.00um
PP 00 03.00
BCH 93.14 47 eP 56 25.19 0.9
ABL 93.41 48 eP 56 26.31 0.7
PHAM 93.42 46 eP 56 26.62 1.2
KMI 93.46 299 Pc 56 28.00 1.9
Z 24s 48.10um 6.9MszX
N 16s 1.10um
E 16s 2.50um
pP 56 39.50 37kmX
sP 56 43.00
SKS 06 52.00
CN2 93.53 325 Pd 56 25.20 -0.5
1.2s 35.00nm 5.6mb
Z 19s 5.87um 6.1Msz
N 17s 3.56um
E 17s 3.06um
PAS 93.54 49 iPd 56 26.50 0.5
PLM 93.78 50 eP 56 28.32 1.0
ARN 93.85 45 eP 56 28.53 1.2
SSK 93.87 49 eP 56 28.84 1.1
epP 56 32.88 13kmX
PEC 93.97 50 eP 56 28.70 0.7
2.0s 169.49nm 6.1mb
ePP 00 18.82
ISA 94.41 48 eP 56 30.48 0.4
1.9s 244.25nm 6.3mb
SDN 94.67 13 P 56 40.00 9.4X
Z 20s 2.38um 5.7Msz
GLA 94.83 52 eP 56 33.54 1.5
GSC 95.15 49 eP 56 37.72 4.2X
XAN 95.27 309 eP 56 35.50 1.5
N 18s 3.81um
SKS 07 05.00
BJI 95.27 318 eP 56 34.00 0.2
ePP 00 28.00
NNA 95.29 109 ePd 56 36.03 1.4
1.2s 20.31nm 5.4mb
esPc 56 41.00
ePP 00 22.47
ORV 95.44 43 eP 56 35.91 1.3
TIY 95.70 314 iPd 56 36.50 0.6

Z 40s 14.20um 6.1MszX
N 12s 3.54um
PP 00 27.00
BONR 96.10 46 eP 56 37.90 -0.1
(PP) 00 31.02
CD2 96.49 304 eP 56 42.00 2.4
Z 22s 8.78um 6.2Msz
N 17s 4.24um
PP 00 38.00
SKS 07 13.00
LBFM 96.51 42 eP 56 39.62 -0.1
(PP) 00 39.47
TPNV 96.60 48 eP 56 40.84 0.7
TNP 96.81 47 eP 56 41.35 0.2
1.6s 77.95nm 6.0mb
KVN 96.97 45 (P) 56 42.21 0.4
COR 98.11 39 eP 56 46.76 0.3
esPc 56 51.80
ePP 00 36.25
HHC 98.35 316 P 56 50.50 2.7X
Z 42s 17.70um 6.2MszX
N 19s 4.14um
E 20s 2.13um
PP 00 48.00
CNCB 98.51 119 P 56 53.00 3.2X
LPB 98.62 118 eP 56 57.00 6.9X
Z 20s 8.16um 6.2Msz
eLR 29 46.00
ZOBO 98.77 118 P 56 53.20 2.1
1.8s 75.76nm 6.0mb
SKS 07 36.00
LR 29 28.00
ZOBO 98.77 118 ePDIF 56 49.80 -1.3
1.8s 75.76nm 6.0mb
SKS 07 36.00
LR 29 28.00
ARUT 98.82 49 (P) 56 50.16 0.0
ePP 00 56.25
BTO 99.04 315 eP 56 53.00 2.1
LZH 99.75 308 eP 56 56.50 2.1
2.0s 53.00nm 5.8mb
pP 57 08.50 39kmX
MSU 100.05 49 ePdiff56 57.13 1.2
ePP 01 03.24
LON 100.39 38 (Pdiff56 57.89 0.9
ALO 101.36 55 ePdiff57 02.52 0.7
1.8s 35.34nm 5.7mb
Z 19s 11.06um 6.4Msz
ePP 01 08.59
ANMO 101.36 55 ePdiff57 01.93 0.1X
SRU 101.42 49 ePdiff57 02.80 0.8
ePP 01 12.96
DAU 101.82 48 ePdiff57 03.96 0.1
ePP 01 18.81
SIT 102.64 25 Pdiff 57 20.00 13.4X
Z 16s 2.87um 5.9MszX
PMR 102.72 16 e(Pdif57 02.20 -4.7X
NEW 103.74 39 Pdiff 57 20.00 8.1X
Z 20s 10.00um 6.3Msz
GTA 104.31 309 Pdiff 57 16.00 1.2
Z 36s 10.80um 6.1MszX
E 20s 2.95um
PP 01 33.00
SKS 07 50.00
LRM 104.58 43 ePdiff57 20.50 4.5X
CIT 104.94 325 ePdiff57 17.00 -0.1
e 10 57.00
GLD 105.05 51 PKP 01 40.00 7.2X
Z 19s 9.06um 6.3Msz
ILT 105.32 2 iPdiff57 18.00 -0.3
Z 20s 4.00um 6.0Msz
N 20s 1.90um
E 20s 2.50um
e 03 56.00
e 09 12.00
PS 10 52.00
e 11 52.00
eSS 16 36.00
COL 105.94 15 ePdiff57 17.87 -3.3X
ePP 01 31.50
YAK 106.40 339 ePdiff57 26.20 2.9X
ePS 11 10.00
HYB 106.89 279 ePKP 01 55.50 18.8X
FRS 107.82 206 e(PKP)01 33.00 -5.1X
1.5s 97.22nm
ZAK 108.91 320 ePdiff57 28.50 -6.2X
IRK 109.52 322 ePdiff57 39.00 1.6

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SLR    110.35 210 e(PKP)01 53.50  10.3X
   Z  18s    5.84um          6.2Msz
MOY    110.85 320 ePdiff57 47.00   3.7X
CCM    113.23  59 PKP   01 46.90  -1.2
FVM    113.75  60 PKP   02 00.00  10.8X
   Z  19s    7.74um          6.3Msz
YKA    113.85  28 ePKP  01 45.30  -3.3X
    1.5s     9.90nm
NDI    114.05 288 iPKPc 01 38.20 -11.8X
TIK    114.15 345 ePKP  01 48.00  -0.9
                  i     02 42.00
                  e     05 10.00
                  i     13 30.00
SLM    114.21  59 PKP   02 00.00  10.0X
   Z  19s    3.62um          6.0Msz
WMO    114.31 307 PKP   01 47.50  -2.7X
   Z  22s    6.61um          6.2Msz
   N  20s    2.70um
BUL    115.18 213 ePKP  01 50.30  -2.3X
GBTN   116.98  65 ePKP  01 52.31  -3.1X
WIN    117.11 201 ePKP  01 53.20  -3.1X
   Z  22s    5.19um          6.1Msz
TKL    117.29  65 ePKP  01 53.92  -2.1
JSC    118.46  67 ePKP  01 56.54  -1.7
PDCR   119.71 139 ePKP  02 01.50   0.4
PRZ    119.74 303 ePKP  02 00.00  -0.6
    2.0s   200.00nm
                  i     02 09.00
                  e     03 27.00
KSH    120.08 299 PKP   02 00.50  -0.8
   Z  30s   10.90um          6.3MszX
   N  20s    4.90um
   E  15s    2.10um
MBC    120.48  14 ePKP  01 58.00  -2.8X
    1.5s    32.00nm
FCC    120.85  37 ePKP  02 00.50  -1.4
MCWV   121.86  62 PKP   02 10.00   5.5X
   Z  19s    5.10um          6.2Msz
CVL    122.14  65 ePKP  02 03.06  -2.0X
FRU    122.42 302 iPKP  02 03.00  -2.6X
    2.0s   180.00nm
   Z  20s    4.00um          6.1Msz
   E  20s    4.00um
                  e     03 40.00
                  ePS   13 40.00
QUE    122.58 285 ePKP  02 05.20  -1.2
ITR    123.23 137 ePKP  02 06.50  -1.4
                  e     02 17.40
NRI    124.29 335 ePKPd 02 05.00  -3.3X
   Z  22s   30.00um          6.9Msz
   E  22s    6.00um
                  eS    13 40.00
                  ePS   15 22.00
                  eSS   20 44.00
                  eSSS  25 22.00
EEO    125.03  55 ePKP  02 10.00  -0.5
LVNJ   125.88  63 ePKP  02 10.50  -1.8
GMTN   126.32  63 iPKP  02 12.40  -0.8
TBR    126.39  63 ePKP  02 11.66  -1.6
NAI    126.49 233 iPKPd 02 13.10  -1.5
RSNY   127.35  58 PKP   02 30.00  15.0X
   Z  20s    1.94um          5.8Msz
HRV    128.73  62 ePKP  02 16.02  -1.6
BNH    129.58  59 ePKP  02 17.51  -1.8
MAIO   130.80 289 ePdiff59 14.00   1.3
                  i     02 22.00
                  e     04 35.00
MIM    131.28  59 ePKP  02 22.83   0.4
EMM    132.21  60 ePKP  02 25.08   0.9
AAE    132.70 244 ePKP  02 24.00  -2.4X
KAT    134.18 291 iPKP+ 02 27.50  -0.6
   Z  20s    3.20um          6.0Msz
   N  20s    2.80um
   E  20s    2.80um
                  e     05 02.00
                  e     15 06.00
                  i     15 21.00
                  eSS   23 16.00
LMN    134.31  59 ePKP  02 29.50   1.3
SVE    134.53 316 iPKPd 02 16.00 -12.2X
    2.1s   200.00nm
   Z  23s    5.00um          6.2MszX
   N  22s    1.00um
   E  22s    2.50um
                  e     05 08.20
                  e     07 56.00
                  e     27 43.00

ARU    135.63 316 ePKP  02 17.00 -13.3X
    2.0s   150.00nm
   Z  22s    5.00um          6.2Msz
   N  22s    2.00um
   E  22s    5.00um
                  i     02 29.00
                  e     08 02.00
                  e     17 10.00
GDH    138.51  24 ePKP  02 30.00  -5.4X
                  i     05 23.00
                  e     23 40.00
BAK    139.22 291 ePKP  02 39.00   1.5
MAK    141.57 294 iPKP- 02 34.00  -7.7X
   Z  19s    3.40um          6.1Msz
   E  19s    3.20um
                  i     05 50.00
                  ePPP  09 00.00
                  e     09 40.00
GRO    142.89 295 iPKPd-02 38.00  -6.0X
    2.0s   480.00nm
                  i     06 00.00
                  e     09 08.00
MTA    143.27 292 iPKPc+02 40.20  -4.4X
    1.0s   170.00nm
   Z  22s    0.50um          5.2Msz
   N  22s    1.00um
   E  22s    1.50um
                  i     06 00.00
                  e     09 05.00
APA    143.82 337 iPKPc 02 40.00  -4.8X
WAJH   144.65 263 ePKPd 02 44.10  -3.4X
PYA    144.86 295 iPKP- 02 44.00  -3.4X
   Z  24s    5.60um          6.3MszX
                  i     06 10.00
                  i     09 20.00
KIV    145.12 295 iPKPd 02 44.92  -3.0X
   Z  19s    3.30um          6.1Msz
                  eHPP  06 08.26
                  ePP   06 08.76
                  iPPP  09 18.60
                  iSSS  30 26.60
TRO    145.86 346 ePKP  02 47.50  -0.7
AYN    146.32 267 ePKP  02 49.30  -0.9
SOC    147.23 294 iPKP  02 50.00  -1.2
    3.0s  1160.00nm
   Z  22s    2.50um          6.0Msz
   N  20s    1.50um
   E  22s    1.00um
                  e     06 17.00
                  eSS   26 02.00
HOL    147.24 267 ePKPd 02 51.70   0.0
MBH    147.58 267 ePKP  02 50.40  -1.9
JVI    148.04 271 ePKP  02 51.70  -1.3
OBN    148.08 316 ePKP  02 52.94   0.7
   Z  26s   10.00um          6.5MszX
   N  26s    6.00um
   E  26s    5.00um
                  i     06 20.92
                  ePPP  09 44.00
                  ePPS  19 02.00
                  eSS   25 32.00
MMR    148.35 273 ePKP  02 52.80  -0.7
ZNT    148.40 272 ePKP  02 52.70  -0.8
BHL    148.46 275 PKP   02 52.00  -1.6
LIC    148.63 176 PKP   02 53.00  -1.3
KIC    148.78 177 PKP   02 53.20  -1.4
ANN    149.03 296 ePKP  02 52.50  -1.5
    2.0s   300.00nm
   Z  23s    3.00um          6.0MszX
   E  24s    2.30um
TIC    149.05 176 PKP   02 53.70  -1.3
PUL    149.32 327 (PKP) 02 52.00  -2.0
   Z  24s    7.20um          6.4MszX
   N  22s    2.80um
   E  23s    5.30um
                  e     06 35.00
                  e     19 16.00
KAF    149.56 333 iPKP  02 56.20   1.9
HLW    150.42 265 ePKP- 02 54.50  -2.1
CSS    150.61 276 ePKP  03 01.00   4.2X
AKU    150.63  13 iPKP  02 56.90   1.1
    2.0s   376.47nm
                  i     03 04.60
NUR    151.20 331 iPKP  03 00.60   3.8X
SIM    151.29 297 iPKP  02 55.00  -2.5X
   Z  24s    3.50um          6.1MszX
                  e     06 43.00

BBTK   152.04 286 ePKP  02 57.00  -1.9
                  i     03 00.00
MNK    153.43 317 iPKP  02 56.00  -4.2X
                  ePPP  10 28.00
KDS    153.70 160 iPKP  03 02.50   0.7
MBO    153.75 148 iPKP  03 02.30   0.5
UPP    154.15 336 iPKP  03 21.70  20.7X
    1.5s   400.00nm
KHL    154.33 282 ePKP  03 00.00  -2.1
NB2    154.94 343 PKP   03 14.60  12.5X
    1.4s    93.70nm
HFS    155.11 340 ePKP  03 03.90   1.6
    1.0s     8.70nm
   Z  19s    5.52um          6.4Msz
                  LR    59 51.00
CTT    155.44 288 iPKP  03 02.30  -1.1
CFR    155.49 298 ePKP  03 05.00   1.8
VRI    156.38 300 ePKPd 03 05.00   0.5
MLR    156.98 299 ePKPc 03 02.00  -3.5X
BUC    157.03 296 ePKP  02 48.00 -17.3X
LVV    157.07 311 iPKP  03 05.00  -0.3
                  i     07 11.00
ALN    157.23 287 e(PKP)03 03.12  -2.6
TNR    158.11 300 ePKPc 03 08.00   1.3
BMR    158.12 306 iPKPc 03 04.00  -2.6X
UZH    158.56 309 iPKP  03 05.00  -2.0
    2.0s   280.00nm
                  e     03 20.10
                  i     03 41.00
                  i     07 24.00
                  ePPP  11 00.00
OUR    158.79 286 e(PKP)03 07.92   0.4
PAIG   159.01 284 e(PKP)03 04.72  -3.1X
SRS    159.09 288 e(PKP)03 08.20   0.3
COP    159.16 335 ePKP  03 06.00  -1.4
   Z  20s    6.52um          6.5Msz
                  e     03 46.00
                  e     07 24.00
OJC    159.37 315 ePKP  03 02.40  -5.5X
    1.5s    98.00nm
                  e     03 09.70
                  i     03 49.70
SPC    159.59 312 ePKP  03 06.70  -1.7
KNT    159.62 288 e(PKP)03 04.96  -3.5X
VAY    159.86 288 iPKP  03 05.60  -3.1X
LIT    159.93 285 e(PKP)03 07.68  -1.2
GRG    160.00 287 e(PKP)03 09.92   1.0
AGG    160.00 282 e(PKP)03 04.88  -4.1X
SKO    160.67 290 iPKP  03 06.90  -2.6X
    1.6s   114.00nm
   Z  21s    6.99um
                  i     03 10.10
                  i     03 51.50
                  i     04 20.00
                  i     07 32.00
                  i     07 36.50
                  i     07 52.00
                  i     10 44.00
                  i     11 10.00
                  i     25 40.00
                  LR    27 09.00
SRO    161.33 310 ePKP  03 07.60  -2.3X
                  i     03 54.00
                  e     07 38.60
                  e     13 15.10
BRN    161.35 327 ePKP  02 55.00 -14.8X
                  ePP   07 38.00
ZST    161.89 312 e(PKP)03 07.50  -3.0X
                  e(PP) 07 39.30
BRG    162.08 323 ePKP  03 08.60  -2.0
   Z  20s    5.00um
   N  20s    3.50um
   E  20s    1.50um
                  i     03 59.10
CLL    162.22 325 ePKP  03 03.00  -7.7X
    2.5s   180.00nm
VKA    162.32 313 ePKP  03 08.00  -3.0X
    4.0s  1791.00nm
   Z  24s    3.60um
                  i     03 10.20
                  i     04 01.00
                  e     07 39.00
PRU    162.34 320 ePKP  03 09.50  -1.4
    1.9s    70.60nm
   Z  21s    5.80um
   N  22s    2.60um
   E  22s    2.50um
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21d 18h

Sta	Dist	Az	Phase	Time	Res	Mag
			e	03 58.60		
			ePP	07 44.20		
ESK	162.37	0	ePKP	03 13.24	2.5	
			ePKPab	03 58.10		
			ePP	07 39.89		
			eHPP	07 40.88		
MOX	163.31	326	ePKP	03 10.80	-1.1	
	2.4s		141.00nm			
	Z 20s		4.10um			
	N 22s		3.30um			
			PP	07 49.20		
KHC	163.36	319	PKP	03 09.00	-3.0X	
	1.5s		53.50nm			
	N 24s		4.10um			
	E 24s		2.60um			
			e	04 05.00		
			PP	07 52.00		
GEC2	163.46	318	PKP	03 09.20	-3.0X	
	0.9s		1.24nm			
PTJ	163.59	306	ePKP	03 09.70	-2.7X	
ZAG	163.61	306	ePKP	03 10.00	-2.3X	
KMR	163.68	315	iPKP+	03 04.10	-8.2X	
			i	04 04.20		
			iPP	07 47.10		
BRT	163.93	288	PKP	03 11.70	-1.1	
WTS	164.07	337	ePKP	03 11.50	-1.0	
	1.5s		46.00nm			
			e	04 08.50		
			ePP	07 54.00		
GRF	164.17	324	ePKP	03 10.80	-2.0X	
	Z 22s		6.00um			
			i(pPKP	04 07.10		
			e	07 48.50		
			e	12 59.50		
VBY	164.20	305	PKP	03 12.40	-0.5	
			e(pPKP	03 20.50		
			ePKPab	04 10.50		
			ePP	07 54.00		
LJU	164.44	308	ePKP	03 09.00	-4.1X	
			ePKPab	04 08.00		
			ePP	07 54.00		
DBN	164.45	341	ePKP	03 09.00	-3.8X	
	Z 20s		3.50um			
			e	04 08.00		
			ePP	07 54.00		
			ePPP	11 40.00		
			ePPS	23 20.00		
			eSS	29 23.00		
			eSSS	35 28.00		
ROI	164.48	283	PKP	03 13.20	-0.2	
CEY	164.63	307	ePKP	03 11.50	-1.8	
KBA	164.65	313	iPKPc	03 11.00	-2.5X	
	2.2s		157.00nm			
			i	03 14.50		
			i	04 10.00		
			i	04 22.60		
			i	07 57.10		
			i	08 02.80		
TDS	164.66	283	PKP	03 11.40	-2.1	
CSI	164.69	284	PKP	03 12.40	-1.2	
SOI	164.83	277	PKP	03 11.70	-2.0	
BNS	164.84	334	ePKP-	03 11.00	-2.3X	
	Z 20s		11.60um			4.6Msz
			epPKP	04 08.80		
VOY	164.84	309	ePKP	03 04.90	-8.7X	
			e	03 14.00		
			e	04 11.50		
			ePP	07 58.10		
TRI	165.07	308	e(PKP)	03 09.70	-3.9X	
			e(PKKP	04 12.00		
			e(PP)	08 00.00		
			e(PPP)	11 52.00		
			e(SSS)	34 48.00		
FVI	165.24	312	PKP	03 13.30	-0.4	
SGO	165.40	287	PKP	03 22.80	8.8X	
ENN	165.42	337	ePKP	03 12.50	-1.2	
	1.2s		16.00nm			
			i	04 10.20		
			ePP	08 01.00		
WATA	165.51	316	iPKPc	03 12.10	-2.1	
WTTA	165.52	316	iPKPc	03 12.40	-1.8	
	1.7s		158.00nm			
			i	03 16.00		
			i	04 14.40		
			i	07 56.60		
			i	08 01.60		
MOTA	165.76	317	iPKPc	03 12.20	-2.2	
	1.7s		62.20nm			
VVI	165.76	310	PKP	03 12.70	-1.5	
SOTA	165.78	317	iPKPc	03 12.60	-1.8	
	1.9s		100.00nm			
UCC	165.85	340	PKP	03 13.00	-1.1	
			e	04 14.00		
			PP	08 00.00		
			e	10 16.00		
			e	18 18.00		
DUI	165.88	292	PKP	03 13.90	-0.7	
CTI	166.19	312	PKP	03 12.80	-1.9	
WLF	166.29	334	PKP	03 17.00	2.6X	
			e	04 15.00		
			PP	08 06.00		
DOU	166.41	338	PKP	03 15.00	0.4	
	Z 21s		5.90um			
			e	04 14.90		
			PP	08 03.00		
			PPP	11 57.00		
			PcPP'	12 49.60		
			e	18 48.00		
ARV	166.48	300	PKP	03 14.00	-0.9	
AOU	166.50	295	PKP	03 14.90	-0.1	
OSS	166.68	317	PKP	03 15.42	0.2	
SLE	166.80	323	ePKPd	03 14.10	-0.9	
ASS	166.81	299	PKP	03 12.80	-2.4X	
CDF	166.87	328	ePKP	03 11.40	-3.7X	
	1.8s		48.35nm			
LIBD	166.93	327	PKP	03 13.02	-2.0X	
FEL	166.95	325	PKP	03 12.71	-2.6X	
SFI	167.06	303	PKP	03 13.60	-1.7	
ECH	167.07	328	PKP	03 12.40	-2.8X	
SAL	167.09	312	PKP	03 17.00	1.8	
LLS	167.17	319	PKP	03 14.72	-0.9	
MOF	167.36	327	PKP	03 13.09	-2.4X	
FIR	167.51	304	ePKP	03 14.00	-1.6	
BSF	167.52	327	ePKP	03 12.10	-3.6X	
	1.8s		96.65nm			
VITF	167.55	331	PKP	03 13.20	-2.3X	
HAU	167.57	329	ePKP	03 12.20	-3.4X	
	1.8s		105.30nm			
	Z 21s		7.30um			
MME	167.69	306	PKP	03 15.80	-0.3	
TMA	167.73	317	ePKPd	03 15.30	-0.7	
BDI	167.82	306	PKP	03 14.00	-1.9	
LOMF	167.88	326	PKP	03 13.62	-2.3X	
BOB	168.18	311	PKP	03 16.80	0.6	
MMK	168.25	319	ePKPd	03 16.80	0.4	
DIX	168.51	320	ePKPd	03 16.80	0.2	
FLN	168.76	351	ePKP	03 13.30	-2.9X	
	Z 21s		9.93um			6.4Msz
LDF	168.88	350	ePKP	03 13.30	-3.0X	
	1.6s		70.90nm			
LOR	169.13	334	ePKP	03 13.60	-3.0X	
	2.0s		78.15nm			
	Z 23s		10.60um			5.5Msz
GRR	169.18	352	ePKP	03 13.70	-2.8X	
	1.7s		65.45nm			
LPL	169.25	320	ePKP	03 14.30	-2.7X	
	1.7s		67.65nm			
LPG	169.25	320	ePKP	03 14.50	-2.6X	
	1.7s		71.30nm			
LBF	169.33	333	ePKP	03 13.80	-2.9X	
	1.8s		105.30nm			
SSF	169.43	334	ePKP	03 14.00	-2.7X	
	1.7s		67.65nm			
PGF	169.52	301	ePKP	03 14.40	-2.7X	
	1.9s		163.05nm			
LPF	169.55	352	ePKP	03 13.70	-3.0X	
	1.5s		50.65nm			
BNI	169.59	318	PKP	03 15.50	-1.6	
SMF	169.66	332	ePKP	03 14.00	-2.9X	
	1.8s		78.55nm			
AVF	169.71	334	ePKP	03 13.70	-3.2X	
	1.8s		48.35nm			
SBF	169.89	311	ePKP	03 14.10	-3.1X	
	1.2s		58.00nm			
BGF	170.09	335	ePKP	03 14.60	-2.5X	
	1.7s		114.70nm			
MAF	170.48	335	ePKP	03 14.70	-2.7X	
FRF	170.53	311	ePKP	03 14.80	-2.7X	
TCF	170.53	337	ePKP	03 14.70	-2.7X	
	1.8s		56.95nm			
LMR	170.74	311	ePKP	03 15.00	-2.5X	
LRG	170.76	312	ePKP	03 15.00	-2.5X	
	Z 23s		7.47um			
LSF	170.77	339	ePKP	03 14.80	-2.7X	
MFF	170.82	347	ePKP	03 14.60	-2.9X	
CDR	170.97	314	ePKPd	03 18.10	0.4	
			e	04 38.00		
			e	08 28.10		
RJF	171.63	337	ePKP	03 15.60	-2.3X	
	1.7s		97.80nm			
	Z 22s		10.90um			
CAF	171.78	333	ePKP	03 15.90	-2.1	
LFF	172.19	339	ePKP	03 15.90	-2.2	
	1.8s		94.10nm			
LPO	172.29	336	ePKP	03 16.30	-1.9	
	1.8s		89.75nm			
TIO	172.44	152	iPKP	03 20.50	1.7	
			i	04 49.00		
			i	08 35.50		
STS	173.36	37	ePKP	03 20.10	1.5	
ETER	173.49	317	ePKP	03 21.12	2.4X	
EZAM	173.83	42	ePKP	03 18.48	-0.4	
EPF	174.04	335	ePKP	03 17.40	-1.6	
	1.7s		141.15nm			
BTH	174.13	339	PKPc	03 20.00	1.1	
			ePP	08 40.00		
			e	09 47.00		
			PcPP'	12 30.00		
			e	14 22.00		
			SPP	30 27.00		
ERUA	174.39	32	ePKP	03 19.71	0.7	
AVE	174.40	140	ePKP	03 17.50	-1.8	
			i	04 54.00		
ECRI	175.06	355	ePKP	03 22.95	3.6X	
IFR	175.53	158	iPKP	03 28.00	8.2X	
			i	03 35.00		
EBR	175.79	319	ePKP	03 18.00	-1.4	
			ePP	08 40.00		
EPLA	176.70	43	ePKP	03 18.63	-1.1	
ETOR	176.76	345	ePKP	03 20.90	1.2	
GUD	176.95	15	ePKP	03 20.79	1.0	
NKM	177.11	140	ePKP	03 20.00	0.2	
			i	03 24.00		
			i	05 10.00		
EVAL	177.13	91	ePKPd	03 17.95	-1.8	
CNIL	177.32	119	ePKP	03 21.00	1.2	
PLAT	177.38	126	ePKP	03 20.00	0.1	
ECHE	177.45	319	ePKP	03 23.43	3.6X	
GIBL	177.60	110	ePKP	03 22.00	2.1	
EJIF	177.76	123	ePKPd	03 23.90	4.0X	
EPRU	178.18	113	ePKPd	03 21.87	1.9	
EHOR	178.32	85	ePKPd	03 18.50	-1.4	
MAL	178.60	133	iPKPc	03 19.00	-0.9	
			i	05 13.00		
			i	09 07.00		
EALH	178.63	278	ePKPc	03 20.79	0.9	
EVIA	178.93	332	ePKPc	03 21.28	1.2	
EGUA	179.08	158	ePKPc	03 20.23	0.2	
ELUQ	179.10	98	ePKPc	03 19.24	-0.8	
EBAN	179.30	47	ePKPd	03 19.25	-0.7	
EHUE	179.55	286	ePKPc	03 20.43	0.3	

S.D. = 1.2 on 301 of 450 obs.

JUN 21, 1992 17h 47m 12.52± 0.44s
37.668 S ± 4.6km 176.796 E ± 3.6km
DEPTH = 5.0km (geophysicist)
3.9mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.3 (WEL).

Sta	Dist	Az	Phase	Time	Res	Mag
WIZ	0.34	66	P	47 19.60	0.2	
TAZ	0.61	202	P	47 25.10	0.4	
UTU	0.70	223	eP	47 26.90	0.4	
PATZ	0.83	211	P	47 55.10	26.0X	
WLZ	0.97	258	eP	47 31.20	-0.2	
			S	47 45.30		
HBZ	1.20	87	eP	47 35.60	0.3	
PUZ	1.23	110	eP	47 35.70	-0.1	
			S	47 52.60		
WHH	1.24	191	eP	47 35.40	-0.6	
KUZ	1.26	317	eP	47 36.70	0.4	
			eS	47 51.80		
NOZ	1.36	134	eP	47 37.60	-0.5	
MOZ	1.78	241	eP	47 44.30	0.1	
TTH	1.87	179	eP	48 11.80	26.4X	
WAHZ	2.06	190	P	48 13.30	25.1X	
WCZ	2.62	310	eP	47 55.00	-1.1	
WRA	40.79	284	P	54 57.20	0.7	
	0.7s		2.00nm			3.9mb
CGP	66.84	302	eP	58 32.50	24.8X	

S.D. = 0.6 on 12 of 16 obs.

JUN 21, 1992 17h 47m 39.08± 0.50s
37.753 S ± 5.0km 176.725 E ± 4.7km
DEPTH = 10.0km (geophysicist)
4.6mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 5.1 (WEL).

WIZ	0.43	59	P	47 48.60	0.7
TAZ	0.51	200	P	47 51.60	2.2
UTU	0.60	225	P	47 52.60	1.4
WLZ	0.91	264	P	47 57.00	0.6
			S	48 10.90	
PAHZ	1.13	167	P	48 01.30	1.0
WHH	1.14	189	eP	48 00.60	0.1
PUZ	1.25	105	P	48 01.80	-0.6
			eS	48 17.90	
HBZ	1.26	83	P	48 01.50	-1.0
KUZ	1.29	321	P	48 03.40	0.5
			eS	48 21.00	
NOZ	1.35	130	P	48 04.70	0.9
MOZ	1.69	243	eP	48 09.20	0.4
MAHZ	1.70	148	P	48 08.70	-0.2
WCZ	2.63	313	eP	48 20.80	-1.5
CAW	3.59	200	eP	48 35.00	-0.9
BLW	3.74	195	eP	48 38.10	0.0
TCW	3.94	208	eP	48 39.10	-1.8
DSZ	5.50	222	eP	49 03.20	0.1
LTZ	6.07	213	eP	49 09.90	-1.1
MQZ	6.70	206	eP	49 17.80	-2.1
DRV	35.68	204	P	54 37.60	-1.3
WRA	40.75	284	P	55 22.20	0.3
	0.6s	7.60nm			4.6mb
KAF	149.56	333	iPKP	07 24.80	0.3
	0.6s	6.90nm			
NUR	151.20	331	iPKP	07 29.00	2.0
	0.6s	9.80nm			

S.D. = 1.2 on 23 of 23 obs.

JUN 21, 1992 18h 00m 53.52± 0.57s
37.699 S ± 5.4km 176.920 E ± 4.6km
DEPTH = 10.0km (geophysicist)
3.3mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.0 (WEL).

WIZ	0.27	51	P	01 01.00	1.7
TAZ	0.62	211	P	01 06.60	0.5
UTU	0.75	230	eP	01 09.40	1.2
PATZ	0.86	217	eP	01 10.10	0.0
WLZ	1.07	262	eP	01 12.50	-1.1
			S	01 27.80	
HBZ	1.10	85	eP	01 13.30	-0.9
PUZ	1.12	110	P	01 13.70	-0.9
			S	01 29.90	
PAHZ	1.16	175	P	01 15.10	-0.2
WHH	1.23	196	P	01 16.20	-0.2
NOZ	1.27	137	eP	01 16.90	-0.2
KUZ	1.35	314	P	01 16.90	-1.4
			S	01 31.70	
MAHZ	1.67	153	eP	01 22.80	-0.1
WAHZ	2.05	192	eP	01 28.50	0.1
WRA	40.89	284	P	08 38.80	1.3
	0.8s	0.50nm			3.3mb

S.D. = 1.0 on 14 of 14 obs.

JUN 21, 1992 18h 09m 31.14± 0.72s
37.671 S ± 7.2km 176.917 E ± 5.7km
DEPTH = 19.4 ± 7.5 km
3.6mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.2 (WEL).

WIZ	0.26	57	P	09 38.60	1.5
TAZ	0.65	210	P	09 44.80	1.2
UTU	0.76	228	eP	09 47.50	1.9
PATZ	0.88	216	P	09 48.50	0.9
WLZ	1.07	259	eP	09 50.50	-0.3
			S	10 03.20	
HBZ	1.10	87	P	09 50.60	-0.7
PUZ	1.13	111	P	09 51.40	-0.5
PAHZ	1.19	175	eP	09 52.50	-0.3
WHH	1.26	195	P	09 53.00	-0.7
NOZ	1.29	137	P	09 54.90	0.8
KUZ	1.33	314	eP	09 52.60	-2.0
MOZ	1.87	243	eP	10 01.70	-0.7
TTH	1.87	182	eP	10 02.60	0.2
WAHZ	2.07	192	eP	10 05.90	0.4
BSZ	2.63	216	eP	10 12.60	-0.8
PGZ	2.99	189	eP	10 16.50	-1.8
RAR	25.99	57	P	15 14.00	9.6X
			S	19 56.00	
WRA	40.88	283	P	17 15.80	2.2
	1.1s	1.40nm			3.6mb

S.D. = 1.3 on 17 of 18 obs.

JUN 21, 1992 18h 20m 42.41± 0.46s
37.673 S ± 5.3km 176.908 E ± 4.4km
DEPTH = 33.0km (normal)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ	0.27	57	P	20 49.90	0.2
TAZ	0.64	209	eP	20 54.30	-0.7
PATZ	0.87	216	P	20 58.90	0.5
WLZ	1.06	259	eP	21 01.50	0.6
HBZ	1.11	87	P	21 02.10	0.5
PUZ	1.14	111	P	21 02.00	-0.1
PAHZ	1.19	174	eP	21 03.00	0.2
NOZ	1.30	137	eP	21 03.50	-0.8
KUZ	1.32	314	P	21 05.00	0.3
			eS	21 22.60	
MOZ	1.86	243	eP	21 12.00	-0.5
WCZ	2.69	309	P	21 23.50	-0.7
MNG	3.14	200	eP	21 31.40	0.7

S.D. = 0.6 on 12 of 12 obs.

% JUN 21, 1992 18h 36m 32.22± 0.57s
46.575 N ± 6.4km 5.632 E ± 5.7km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.0 (LDG).

LBF	1.21	290	Pg	36 54.60	-0.2
			Sg	37 10.10	
SMF	1.24	274	Pg	36 55.40	0.2
			Sg	37 12.70	
LPL	1.31	144	Pg	36 56.30	-0.3
			Sg	37 14.80	
LPG	1.33	144	Pg	36 57.20	0.2
			Sg	37 15.30	
LOR	1.40	300	Pg	36 57.70	-0.1
			Sg	37 15.80	
BSF	1.49	32	Pg	36 58.80	-0.3
			Sg	37 17.30	
HAU	1.51	19	Pg	36 59.70	0.3
			Sg	37 18.30	

S.D. = 0.3 on 7 of 7 obs.

% JUN 21, 1992 18h 42m 29.58± 1.10s
37.604 S ±15.9km 176.812 E ±12.1km
DEPTH = 33.0km (normal)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ	0.31	76	eP	42 37.20	-0.2
HBZ	1.18	90	eP	42 50.30	0.5
KUZ	1.22	314	eP	42 50.40	0.0
PUZ	1.24	113	eP	42 50.30	-0.4
			eS	43 04.70	
NOZ	1.40	137	eP	42 53.10	0.1

S.D. = 0.5 on 5 of 5 obs.

JUN 21, 1992 18h 47m 05.13± 0.50s
37.669 S ± 5.2km 176.893 E ± 4.5km
DEPTH = 20.9 ± 5.4 km
3.5mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.0 (WEL).

WIZ	0.27	59	eP	47 12.60	1.1
TAZ	0.64	208	eP	47 17.50	0.0
UTU	0.75	227	eP	47 19.70	0.3
PATZ	0.87	215	eP	47 22.20	0.7
WLZ	1.05	260	P	47 24.20	-0.2
			eS	47 38.40	
HBZ	1.12	87	P	47 25.60	0.0
PUZ	1.15	111	eP	47 24.60	-1.5
			eS	47 40.40	
PAHZ	1.20	174	P	47 26.40	-0.3
WHH	1.25	194	eP	47 26.80	-0.8
NOZ	1.31	137	eP	47 28.60	0.4
KUZ	1.31	314	eP	47 27.20	-1.1
MOZ	1.85	242	P	47 36.00	0.0
WAHZ	2.07	192	eP	47 39.80	0.5
WCZ	2.68	309	P	47 47.30	-0.6
MNG	3.14	200	eP	47 54.20	-0.3
WRA	40.86	283	P	54 49.00	1.7
	1.0s	1.10nm			3.5mb

S.D. = 0.9 on 16 of 16 obs.

JUN 21, 1992 18h 59m 05.18± 0.30s
39.137 N ± 2.9km 19.807 E ± 1.9km
DEPTH = 35.6 ± 3.2 km
5.0mb (53 obs.)
GREECE-ALBANIA BORDER REGION (392)
MD 4.7 (ATH), 4.7 (THE), 4.7 (TTG), 4.5 (TIR).

IGT	0.57	46	ePg	59 17.26	0.5
KEK	0.58	359	ePn	59 17.00	0.2
SRN	0.76	11	iPg	59 20.60	1.2
			iSg	59 29.20	
VLS	1.14	147	ePn	59 26.00	1.1
TPE	1.17	8	iPgc	59 27.50	2.2X
LSK	1.18	31	iPgc	59 26.80	1.2
			iSg	59 43.70	
VLO	1.35	350	iPn	59 30.50	2.6X
			iSn	59 50.00	
LCI	1.86	311	P	59 34.30	-1.0
KZN	1.91	52	ePn	59 38.50	2.4X
AGG	1.97	93	ePn	59 40.06	3.2
OHR	2.11	21	iPgc	59 41.30	2.4X
			Lg	00 22.90	
TIR	2.21	1	iPnd	59 41.70	1.5
			iSn	00 07.50	
LIT	2.28	64	ePn	59 43.22	1.9X
LACI	2.50	358	iPn	59 44.80	0.5
			iSn	00 13.00	
ROI	2.55	281	P	59 44.30	-0.8
PHP	2.59	11	ePn	59 45.40	-0.2
			iSn	00 16.40	
BRT	2.65	312	P	59 47.06	0.6
GRI	2.66	264	P	59 46.15	-0.5
GRG	2.70	47	ePn	59 48.34	1.2
TDS	2.74	282	P	59 47.60	-0.1
ORI	2.75	291	P	59 47.70	-0.3
CSI	2.80	284	P	59 49.30	0.7
ACI	2.81	276	P	59 50.80	2.1
THE	2.85	57	ePn	59 51.06	1.7
ULC	2.86	352	iPnd	59 49.15	-0.2
			iSn	00 20.91	
CZI	2.86	273	P	59 49.90	0.5
SDA	2.89	355	iPnd	59 50.50	0.7
			iSn	00 24.00	
PUK	2.90	1	iPn	59 49.50	-0.5
			iSn	00 16.50	
KKS	2.97	9	iPn	59 53.00	2.0
			iSn	00 28.50	
BAI	3.00	312	P	59 51.00	-0.4
VAY	3.04	43	iPnc	59 52.60	0.6
			i	00 47.30	
			i	00 57.40	
			Lg	01 01.20	
MMN	3.05	285	P	59 53.30	1.2
SKO	3.09	23	iPn	59 53.40	0.6
			iPg	00 02.00	
			iSn	00 32.50	
			iSg	00 41.60	
			Lg	00 58.50	
PAIG	3.10	74	ePn	59 54.34	1.5
KNT	3.11	49	ePn	59 53.98	0.9
SOI	3.13	251	P	59 52.20	-1.1
SOH	3.20	57	ePn	59 56.02	1.6
BDV	3.23	347	iPnc	59 53.94	-0.8
			iSn	00 29.14	
GMB	3.24	254	P	59 54.02	-1.0
ATH	3.28	110	ePn	59 56.80	1.4
TTG	3.32	353	iPnc	59 55.57	-0.3
			iSn	00 31.92	
MGR	3.43	288	P	59 57.60	0.0
OUR	3.43	68	ePn	59 59.06	1.5
HCY	3.45	344	iPnc	59 56.79	-1.0
			iSn	00 33.96	
MSI	3.46	256	P	59 56.70	-1.2
PVY	3.46	2	iPnc	59 58.32	0.3
			iSn	00 36.60	
VLI	3.46	133	ePn	59 59.50	1.6X
SRS	3.51	55	ePn	59 59.86	1.2
ATN	3.54	255	P	59 57.49	-1.6
NKY	3.72	351	iPnc	00 00.99	-0.8

21d 19h

			iSn	00 41.31	
IVA	3.73	1	iPnc	00 01.95	0.0
			iSn	00 43.07	
SGO	3.74	294	P	00 02.80	0.8
BRY	3.88	346	iPnd	00 02.82	-1.2
			iSn	00 44.49	
MNO	4.19	255	P	00 07.53	-1.0
PLE	4.20	356	iPnc	00 07.95	-0.7
			iSn	00 53.35	
MEU	4.35	244	P	00 07.63	-3.1X
GIB	4.67	258	P	00 14.30	-1.0
HVAR	4.77	329	iPn	00 14.80	-1.7
DUI	4.80	303	P	00 17.60	0.5
PRK	5.02	87	ePn	00 20.20	0.0
EZN	5.09	80	iP	00 22.70	1.6X
ALN	5.10	68	ePn	00 21.82	0.6
SDI	5.24	301	P	00 23.20	-0.1
AZI	5.63	302	P	00 28.90	0.3
CVT	5.70	257	P	00 28.50	-1.1
BEO	5.70	5	ePn	00 28.50	-1.1
AQU	5.83	305	P	00 32.10	0.5
IZM	5.87	95	iP	00 32.90	0.7
KGT	5.92	75	eP	00 35.00	2.2X
RDP	6.01	298	P	00 33.60	-0.5
NPS	6.03	128	ePn	00 32.90	-1.5
MNS	6.31	303	P	00 39.50	1.2
EDC	6.33	76	eP	00 39.00	0.5
BNT	6.37	76	eP	00 39.30	0.2
DRA	6.45	29	ePd	00 41.00	0.8
ASS	6.68	308	P	00 43.90	0.4
CIN	6.68	101	iPd	00 45.00	1.5X
KCT	6.69	78	eP	00 43.30	-0.3
ARV	6.76	312	P	00 43.20	-1.4X
DST	6.85	83	iP	00 47.10	1.2X
CTT	6.90	70	eP	00 46.30	-0.3
DEV	7.12	18	ePc	01 00.00	10.4X
VBY	7.20	334	iPnc	00 49.60	-1.1
			i(Sg)	02 00.60	
ZAG	7.25	338	iPnd	00 49.10	-2.2X
TNR	7.30	25	ePc	00 52.00	-0.1
RSM	7.30	313	P	00 51.90	-0.2
PTJ	7.33	338	iPn	00 49.60	-3.0X
			iSn	01 57.40	
ISK	7.35	72	eP	00 56.40	3.6X
RIY	7.39	329	ePn	00 50.70	-2.6X
CRE	7.42	310	P	00 53.20	-0.7
YLV	7.50	76	eP	01 02.30	7.3X
IZI	7.54	78	eP	00 52.00	-3.7
KHL	7.64	93	iP	00 58.50	1.5
SFI	7.64	311	P	00 56.40	-0.5
PGD	7.69	311	P	00 58.00	0.2
CEY	7.70	331	ePn	00 55.40	-2.4X
			eSn	02 19.90	
HRT	7.76	74	eP	01 03.30	4.7X
MDB	7.77	24	iPc	01 12.00	13.3X
MLR	7.81	34	iPd	00 59.00	-0.4
ISR	7.81	38	ePd	00 59.00	-0.3
FIR	7.92	309	ePn	01 01.00	0.2
			iSn	02 28.00	
LJU	7.92	332	iPnc	00 58.80	-2.0X
			iSn	02 19.40	
TRI	7.94	328	e(Pn)d	00 58.00	-3.1X
			e(Sn)	02 24.20	
			i	03 17.40	
VOY	8.15	330	ePnc	01 01.40	-2.7X
			e	01 11.60	
			eSn	02 29.50	
PII	8.34	306	P	01 06.90	0.3
VRI	8.45	35	ePd	01 09.50	1.4X
BDI	8.47	308	P	01 08.10	-0.5
MME	8.48	309	P	01 08.20	-0.6
CFR	8.65	43	eP	01 10.00	-0.9
SRO	8.74	353	eP	01 09.60	-2.5X
			i	01 15.60	
			i	02 36.70	
VVI	8.74	324	P	01 09.89	-2.3X
PSZ	8.78	0	ePn	01 11.20	-1.5
PGF	8.87	296	eP	01 13.50	-0.6
	0.7s	25.35nm			5.5mb
BMR	8.94	16	iPc	01 22.00	7.1X
FVI	9.06	328	P	01 14.50	-2.0X
CTI	9.15	322	P	01 14.60	-3.4X
PTT	9.16	30	eP	01 17.00	-0.9
KBA	9.23	331	iPc	01 16.90	-2.2X
			i	01 18.40	
			iS	02 58.50	
ZST	9.26	349	iP	01 23.70	4.4X

			e	02 19.30	
			i	03 01.60	
SAL	9.43	316	P	01 19.50	-2.1X
VKA	9.47	346	eP	01 26.00	3.9X
			i	01 27.90	
			i	02 07.50	
			i	02 34.10	
			iS	03 14.10	
BOB	9.55	309	P	01 22.90	-0.5
UZH	9.66	10	eP	01 24.00	-0.8
Z	12s	3.00um			
N	12s	5.00um			
KMR	9.82	337	iP+	01 23.40	-3.5X
			iS	03 22.30	
BHG	9.95	332	iPd	01 27.50	-1.2
OGA	10.05	323	eP	01 29.20	-1.1
SPC	10.05	2	eP	01 30.30	-0.1
WTTA	10.07	326	iPc	01 28.30	-2.3X
			i	01 29.50	
			iPP	01 39.50	
			iS	03 07.80	
			iSS	03 24.40	
CKI	10.10	305	P	01 31.20	0.3
WATA	10.15	326	iPc	01 30.20	-1.5X
			iPP	01 39.80	
SQTA	10.23	325	iPc	01 31.00	-1.7X
			i	01 32.30	
			iPP	01 42.00	
KIS	10.29	37	eP	01 30.00	-3.3X
OSS	10.35	320	ePd	01 33.00	-1.4
MOTA	10.37	325	iPc	01 32.70	-1.9X
			iPP	01 42.20	
SBF	10.41	301	eP	01 35.30	0.1
	0.7s	27.65nm			5.6mb
VDL	10.56	317	iPd	01 35.90	-1.4X
TMA	10.64	314	iPc	01 34.90	-3.6X
DOI	10.80	304	P	01 41.00	0.5
FRF	10.83	298	eP	01 39.40	-1.5X
ORO	10.88	310	P	01 39.60	-2.1
PPCY	10.88	109	eP	01 39.00	-2.6
FUR	10.93	328	iPd	01 41.00	-1.2
KHC	10.94	338	P	01 39.60	-2.8X
	1.0s	25.00nm			5.4mb X
			e	01 44.00	
			e	03 33.50	
LRG	11.00	297	eP	01 40.50	-2.6X
	1.2s	70.80nm			5.7mb
LLS	11.05	318	iPd	01 43.20	-0.9
OJC	11.08	360	eP	01 45.00	0.8
	1.0s	54.00nm			5.7mb X
			i	01 50.80	
MMK	11.13	312	iPc	01 41.90	-3.2X
WET	11.17	336	eP	01 43.00	-2.4X
BNI	11.40	305	P	01 47.10	-1.7X
DIX	11.46	311	iP	01 48.40	-1.3X
CDR	11.47	298	ePd	01 48.80	-0.8
PRU	11.48	343	P	01 47.50	-2.1X
	0.9s	57.50nm			5.7mb X
			i	01 52.00	
			e	03 35.30	
LPG	11.56	308	eP	01 49.10	-2.0X
	0.8s	29.15nm			5.5mb
CSS	11.58	107	eP	01 48.50	-2.6X
LPL	11.58	308	eP	01 49.10	-2.2X
	0.6s	15.25nm			5.3mb
EMS	11.74	310	iPd	01 51.70	-1.7X
ZLA	11.77	319	iPd	01 52.50	-1.1
SLE	11.90	320	eP	01 53.50	-1.9X
KSP	11.97	349	iPc	02 00.80	4.6X
			ic	02 18.90	
			ic	02 27.80	
			i	03 18.40	
GRF	12.20	333	ePn	01 55.70	-3.6X
			e(S)	04 10.00	
FEL	12.22	319	Pn	01 57.05	-2.7X
			Sg	02 13.99	
BRG	12.44	343	iP	02 00.80	-1.7X
	0.8s	64.00nm			5.8mb X
			i	02 07.10	
HOF	12.51	336	eP	02 01.70	-1.7X
LOMF	12.52	315	Pn	02 01.41	-2.2X
MOF	12.66	318	Pn	02 02.51	-3.0X
			Sg	02 23.51	
BSF	12.82	317	eP	02 03.80	-4.0X
	0.7s	21.15nm			5.3mb
ECH	12.88	319	Pn	02 05.64	-2.7X
MOX	12.88	336	iP	02 06.90	-1.4X

	0.9s	45.00nm			5.5mb X
CDF	12.94	320	Pn	02 07.69	-1.6X
CLL	13.07	341	eP	02 14.00	3.1X
	1.2s	25.00nm			5.1mb X
			i	02 29.20	
HAU	13.17	317	eP	02 08.00	-4.2X
	0.4s	13.40nm			5.3mb
HLW	13.26	131	eP	02 11.00	-2.5X
KOT	13.50	129	eP	02 10.50	-6.1X
ABH	13.83	325	eP	02 17.69	-3.2X
ADI	13.85	111	eP	02 16.10	-5.1X
SMF	13.89	308	eP	02 20.10	-1.6X
	0.7s	11.35nm			4.7mb
RUP	13.93	323	eP	02 24.65	2.5X
LBF	13.96	309	eP	02 19.90	-2.8X
	0.8s	17.35nm			4.8mb
ZNT	14.15	114	eP	02 20.40	-4.8X
			eS	04 49.20	
LOR	14.17	310	eP	02 23.70	-1.7X
	0.5s	9.55nm			4.7mb
AVF	14.25	308	eP	02 25.70	-0.8X
	0.7s	6.85nm			4.4mb
SSF	14.28	309	eP	02 25.20	-1.7
	0.7s	7.70nm			4.4mb
WLF	14.33	322	P	02 34.00	6.6X
BGF	14.47	306	eP	02 28.10	-1.2
	0.5s	6.70nm			4.4mb
DSI	14.77	116	eP	02 27.90	-5.4X
EPF	15.18	291	eP	02 37.70	-1.0
	0.9s	10.95nm			4.1mb
ENN	15.19	324	eP	02 47.00	8.3X
	1.0s	20.00nm			4.3mb X
DOU	15.37	320	P	02 47.00	6.0X
	0.9s	50.00nm			4.7mb
			S	05 25.10	
MBH	15.53	122	eP	02 38.20	-5.1X
EGRA	15.57	288	eP	02 52.30	8.7X
SOC	15.59	67	eP	02 48.00	4.1X
WTS	15.72	329	eP	02 53.00	7.6X
	1.0s	16.00nm			4.1mb X
SNF	15.79	321	P	02 56.20	9.8X
UCC	15.94	322	eP	03 05.00	16.7X
HQL	15.98	123	iPc	02 43.93	-4.9X
ECHE	16.08	278	eP	03 05.80	15.6X
MFF	16.39	304	eP	02 56.30	2.2
	0.9s	19.65nm			4.2mb
ETOR	16.84	283	eP	03 09.30	9.4X
AYN	16.86	123	ePc	02 56.33	-3.7X
LDF	17.16	310	eP	03 05.80	2.1
ECRI	17.22	289	eP	03 07.00	2.4X
EVIA	17.38	275	eP	03 12.50	5.9X
FLN	17.45	310	eP	03 09.50	2.2
	1.3s	59.95nm			4.6mb
LPF	17.48	307	eP	03 10.20	2.5X
GRR	17.51	309	eP	03 10.50	2.4
KIV	17.77	67	eP	03 15.70	4.3X
PYA	18.05	67	eP	03 29.00	14.2X
GUD	18.44	282	iPc	03 21.50	1.7
EBAN	18.45	274	eP	03 22.00	2.2
EGUA	18.56	270	eP	03 26.30	5.2X
MUD	18.71	341	iPc	03 29.00	6.3X
	0.7s	16.00nm			4.3mb
AKUR	18.76	140	eP	03 25.00	1.4X
ELUQ	18.94	273	eP	03 32.50	6.7X
AGRW	18.99	141	eP	03 25.00	-1.3
ERE	19.03	79	eP	03 29.00	2.1X
WAJH	19.09	128	iPc	03 26.00	-1.6
OBN	19.55	30	eP	03 30.00	-2.6X
	1.0s	35.00nm			4.6mb
EHOR	19.65	274	eP	03 32.00	-1.8
EPRU	19.82	272	eP	03 37.00	1.3
GRO	19.88	69	eP	03 39.00	2.8
EPLA	19.95	281	eP	03 39.00	1.9
EJIF	20.14	270	eP	03 43.00	4.0X
NKM	20.38	267	eP	03 43.00	1.5
			i	03 46.00	
			i	03 50.00	
			i	04 16.00	
MOS	20.42	30	eP	03 40.00	-1.7
			e	03 57.00	
PLAT	20.45	270	eP	03 40.00	-2.3X
GRS	20.51	81	eP	03 41.00	-2.0
			e	07 50.00	
CNIL	20.61	270	eP	03 40.00	-3.9X
UPP	20.79	357	iP	03 44.10	-1.4
	0.7s	300.00nm			5.8mb
			i	03 51.70	

IFR 20.83 262 iP 03 47.50 1.2
i 03 52.00
EVAL 20.86 274 eP 03 45.00 -1.4
MAK 21.14 71 eP 03 53.00 3.8X
0.9s 132.00nm 5.3mb
i 04 02.50
eS 07 48.00
HFS 21.37 352 eP 03 49.70 -1.7
0.7s 16.20nm 4.5mb
NUR 21.61 7 iP 03 52.70 -1.1
PUL 21.70 14 ePd 03 54.00 -0.6
i 04 05.00
i 04 18.00
i 04 23.00
ECP 22.32 314 eP 04 10.00 9.1X
EKA 22.32 324 Pc 04 01.00 0.1
0.8s 26.00nm 4.7mb
ESK 22.34 324 eP 04 01.00 0.0
0.7s 58.00nm 5.1mb
ETA 22.46 316 eP 04 02.50 0.2
NB2 22.57 349 P 04 03.80 0.4
0.8s 9.40nm 4.3mb
ECB 22.63 314 eP 04 05.10 1.2
AVE 22.68 264 eP 03 53.00 -11.6X
i 04 13.00
i 04 40.00
DLF 22.91 317 eP 04 07.90 1.3
1.0s 174.00nm 5.5mb
DCN 23.33 316 eP 04 12.20 1.5
KAF 23.35 8 iP 04 11.70 0.8
DMU 23.39 318 eP 04 21.30 10.0X
TIO 23.57 258 iP 04 16.00 2.5X
i 04 23.00
APA 29.45 11 iPd 05 15.10 7.7X
ASH 30.02 80 eP 05 13.00 0.2
ARU 30.74 43 eP 05 17.00 -1.9
e 05 26.00
MAIO 31.35 83 iPc 05 23.60 -1.1
SVE 31.93 43 eP 05 28.50 -0.9
2.0s 80.00nm 5.3mb
e 06 52.10
e 08 16.10
AKU 34.29 333 iP 06 00.00 10.3X
1.1s 30.38nm
AAE 34.46 145 P 05 53.30 1.2X
KDS 38.76 236 eP 06 27.50 -0.6
OUE 39.42 88 e(P) 06 40.20 6.5X
KIC 39.44 221 P 06 33.20 -0.5
LIC 39.70 221 P 06 35.60 -0.2
FRU 40.93 67 eP 06 42.00 -3.7X
KSH 42.86 71 P 07 00.00 -1.7
NAI 43.14 155 iPd 07 07.00 2.8
WMQ 49.79 61 eP 07 55.60 -0.7
GKN 54.12 81 P 08 26.00 -3.1X
0.6s 18.00nm 5.3mb
DMN 54.68 81 P 08 30.40 -3.0X
0.6s 20.00nm 5.3mb
KKN 54.72 81 P 08 30.40 -3.2X
0.8s 23.00nm 5.3mb
PKI 54.93 81 P 08 32.00 -3.3X
GUN 55.12 80 P 08 33.80 -2.9X
0.8s 40.00nm 5.5mb
ZAK 57.35 49 eP 08 51.00 -0.9
0.7s 9.00nm 4.9mb
LSA 58.24 76 P 08 56.80 -2.2
TIK 58.96 20 eP 09 02.00 -0.9
i 09 10.00
BUL 59.54 170 iPd 09 07.20 -0.4
0.9s 8.40nm 4.9mb
GTA 59.87 62 eP 09 08.00 -1.8
LMN 59.96 307 eP 09 11.00 0.8
BOD 60.04 38 eP 09 15.00 4.5X
0.7s 17.00nm 5.3mb
WIN 61.43 183 iPc 09 20.00 -0.5
0.7s 10.27nm 5.1mb
MBC 62.00 350 eP 09 23.50 -0.1
1.0s 6.00nm 4.7mb
LZH 64.27 63 eP 09 39.00 -0.3
1.0s 18.00nm 5.1mb
pP 09 47.00 26kmX
BNH 64.57 308 eP 09 40.47 -0.4
YAK 64.57 29 eP 09 38.30 -2.3
0.8s 50.00nm 5.7mb
Z 20s 2.30um 5.4Msz
N 20s 0.90um
E 20s 1.80um
e 12 07.00

SLR 65.02 172 iPc 09 44.10 0.1
0.9s 16.81nm 5.1mb
PRY 66.11 173 iPc 09 50.60 -0.4
0.7s 12.50nm 5.1mb
CD2 66.94 68 P 09 52.60 -3.7X
HHC 66.95 55 eP 09 55.00 -1.4
FCC 68.14 329 eP 10 05.00 1.7
FRS 68.72 175 eP 10 08.00 0.8
0.7s 34.25nm 5.5mb
XAN 68.89 63 eP 10 07.50 -1.0
TIY 69.23 58 eP 10 09.70 -0.9
Z 22s 2.75um 5.5Msz
N 21s 2.44um
BRW 69.84 359 eP 10 13.87 0.3
epP 10 23.07 30kmX
CHG 70.10 82 eP 10 15.00 -1.1
BJI 70.33 54 eP 10 16.50 -0.6
ITR 71.96 242 eP 10 27.90 0.6
YKA 72.30 340 eP 10 27.90 -0.7
0.8s 4.30nm 4.5mb
ILT 72.37 7 eP 10 34.00 5.1X
1.4s 35.00nm 5.2mb
TIA 73.16 57 eP 10 30.70 -3.4X
MGD 73.24 23 eP 10 42.00 7.9X
CN2 73.64 47 eP 10 36.00 -0.7
Z 20s 2.67um 5.5Msz
N 18s 0.27um
E 18s 1.15um
SNY 73.78 49 Pc 10 36.80 -0.8
1.2s 13.00nm 4.8mb
ULM 74.60 323 eP 10 44.00 1.8
IMA 75.01 357 eP 10 45.26 0.9
0.9s 14.66nm 5.0mb
MDJ 75.40 44 eP 10 48.90 2.0
FBA 75.84 355 eP 10 49.56 0.5
0.9s 17.58nm 5.0mb
NJ2 76.81 59 eP 10 52.50 -2.5X
TTA 78.22 358 eP 11 03.65 1.3
1.3s 19.89nm 5.0mb
i 11 12.21
SNG 78.39 90 eP 11 03.70 -0.3
PMR 79.22 355 eP 11 08.18 0.5
1.3s 26.90nm 5.1mb
CRP 79.73 356 (P) 11 10.51 -0.2
SVW 80.04 358 eP 11 13.23 1.1
0.9s 14.64nm 5.0mb
epP 11 23.08 31kmX
YSS 80.25 36 eP 11 14.20 0.7
1.0s 30.00nm 5.2mb
e 14 12.80
SLKM 80.37 355 (P) 11 14.36 0.4
CCM 80.48 312 eP 11 15.82 0.9
0.6s 5.56nm 4.7mb
REF 80.54 356 (P) 11 14.87 -0.2
SES 80.94 331 eP 11 18.00 0.8
BAO 83.41 244 Pd 11 32.00 1.5
PNT 84.91 335 eP 11 39.00 1.5
0.5s 3.00nm 4.7mb
NEW 84.95 333 eP 11 39.50 1.7
1.0s 11.50nm 5.0mb
LRM 85.20 329 eP 11 40.50 1.1
DPW 85.67 333 eP 11 42.97 1.6
(pP) 11 51.89 28kmX
MAT 85.71 45 eP 11 41.00 -0.8
MSU 91.05 324 eP 12 08.58 1.1
WRA 121.13 91 PKP 17 55.80 -0.2
0.4s 0.80nm
ASPA 122.82 95 ePKP 17 58.00 -1.2
2.2s 6.30nm
DZM 146.86 69 iPKPc 18 46.70 3.0X
S.D. = 1.2 on 193 of 321 obs.

& JUN 21, 1992 19h 01m 10.40s
34.259 N 117.531 W
DEPTH = 7.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.5 (PAS).

SSK 0.14 250 iPc 01 13.57 -0.1
PEC 0.48 140 ePc 01 19.17 -0.9
eS 01 25.09
PLM 1.06 148 eP 01 29.11 -1.7
iS 01 43.04
ABL 1.51 293 ePn 01 37.34 -0.8
ISA 1.60 331 ePn 01 39.13 -0.1
eS 02 00.21
GLA 2.56 117 (P) 01 56.79 3.8

6 obs. associated

JUN 21, 1992 19h 06m 30.43± 0.52s
37.619 S ± 6.1km 176.927 E ± 4.4km
DEPTH = 33.0km (normal)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ 0.23 67 eP 06 37.40 0.1
TAZ 0.70 208 P 06 43.70 -0.1
UTU 0.81 226 P 06 46.40 1.0
PATZ 0.93 215 eP 06 47.30 0.1
WLZ 1.08 256 P 06 48.90 -0.4
eS 07 03.90
HBZ 1.09 89 eP 06 49.20 -0.2
PUZ 1.15 114 P 06 50.20 0.0
PAHZ 1.24 175 eP 06 51.10 -0.5
KUZ 1.30 312 eP 06 52.30 0.0
eS 07 08.70
WHH 1.31 195 eP 06 51.90 -0.7
NOZ 1.33 139 eP 06 53.40 0.6
MOZ 1.90 242 eP 07 01.10 0.1
S.D. = 0.5 on 12 of 12 obs.

JUN 21, 1992 19h 13m 11.79± 0.59s
37.675 S ± 5.9km 176.932 E ± 6.1km
DEPTH = 22.6 ± 6.1 km
3.4mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.2 (WEL).

WIZ 0.25 54 P 13 19.60 1.7
TAZ 0.65 211 eP 13 25.80 1.4
PATZ 0.88 217 eP 13 28.50 0.1
WLZ 1.08 261 P 13 30.90 -0.6
eS 13 46.90
HBZ 1.09 86 eP 13 30.20 -1.4
PUZ 1.12 111 eP 13 31.40 -0.8
PAHZ 1.19 175 eP 13 33.70 0.6
WHH 1.26 196 eP 13 34.10 0.0
NOZ 1.28 138 eP 13 35.00 0.6
KUZ 1.34 313 eP 13 34.70 -0.5
TTH 1.87 183 eP 13 42.30 -0.5
WAHZ 2.07 192 eP 13 45.50 -0.3
WCZ 2.70 309 eP 13 53.50 -1.3
PGZ 2.98 190 eP 13 58.10 -0.6
MNG 3.15 201 eP 14 00.30 -0.8
WRA 40.89 283 P 20 56.20 2.2
0.9s 0.80nm 3.4mb
S.D. = 1.2 on 16 of 16 obs.

JUN 21, 1992 19h 23m 03.98± 0.62s
24.027 S ± 5.0km 66.809 W ± 7.3km
DEPTH = 166.6 ± 6.6 km
4.8mb (9 obs.)
SALTA PROVINCE, ARGENTINA (129)

ANT 3.32 275 iPc 23 56.50 0.0
iS 24 31.70
CNCB 7.26 351 iPc 24 51.20 2.1
S 26 11.50
RTLL 7.42 191 ePd 24 50.00 -0.7
S 25 12.30
LPB 7.55 351 P 24 54.00 1.2
S 26 20.00
RTCB 7.64 193 iPc 24 53.00 -0.6
CFA 7.66 189 ePc 24 53.20 -0.6
ZOBO 7.80 351 iPc 24 57.00 0.7
1.0s 95.00nm 5.2mb
iS 26 21.30
RTBS 7.96 197 iPd 24 57.50 -0.2
ARE 8.71 329 eP 25 06.00 -2.1
iS 26 38.00
SIV 9.64 35 iPc 25 20.40 0.4
i 26 54.00
VAO 18.23 91 eP 27 07.80 0.5
e 27 11.80
BAO 19.56 68 Pd 27 21.90 0.7
e 27 52.00
e 28 32.10
PDCR 28.61 71 (P) 28 45.00 -1.8
ITR 31.08 66 eP 29 07.70 -0.9
OLY 63.64 338 (P) 33 18.44 -0.9
FVM 65.55 340 eP 33 29.53 -2.0
0.6s 9.96nm 4.9mb
SPA 66.12 180 iPd 33 35.40 0.3
0.8s 9.58nm 4.7mb

21d 19h

KIC 67.59 72 P 33 45.20 0.2
GLA 72.91 319 eP 34 16.31 -0.4
SRU 74.94 326 ePd 34 27.81 -0.7
MSU 75.35 325 ePd 34 30.73 -0.2
ARUT 75.50 323 eP 34 32.19 0.5
epP 35 39.69 291kmX
VAH 75.73 260 iP 34 34.40 1.2
1.0s 25.00nm 4.9mb
TPT 75.81 260 iP 34 35.00 1.4
1.0s 10.00nm 4.5mb
PMO 76.05 260 iP 34 36.40 1.4
1.0s 20.00nm 4.8mb
DUG 76.93 326 (P) 34 39.54 0.0
HPI 79.67 328 eP 34 55.22 0.7
LRM 80.93 330 eP 35 01.20 0.1
MAW 81.36 163 iPd 35 03.80 1.1
1.0s 16.00nm 4.7mb
DPW 85.14 328 eP 35 21.85 -0.4
BMW 86.74 325 (P) 35 27.86 -2.3
CSY 89.95 179 ePd 35 46.90 1.9
0.7s 10.30nm 4.9mb
YKA 94.21 340 eP 36 03.40 -1.1
0.7s 1.60nm 4.3mb
WB2 131.67 207 ePKP 41 59.10 -0.1
0.3s 3.80nm
WRA 131.68 207 PKP 41 59.70 0.5
0.6s 1.10nm
S.D. = 1.1 on 35 of 35 obs.

JUN 21, 1992 19h 24m 20.79± 0.49s
37.576 S ± 4.9km 176.932 E ± 3.7km
DEPTH = 17.0 ± 5.9 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.8 (WEL).

WIZ 0.21 77 eP 24 26.00 0.1
TAZ 0.74 207 P 24 35.40 0.6
UTU 0.84 224 eP 24 37.40 0.9
PATZ 0.96 213 eP 24 39.10 0.4
HBZ 1.09 92 eP 24 40.70 -0.1
WLZ 1.10 254 eP 24 41.20 0.2
S 24 57.40
PUZ 1.16 116 P 24 41.90 -0.2
KUZ 1.27 310 eP 24 43.80 0.1
PAHZ 1.28 176 eP 24 43.60 -0.3
WHH 1.35 195 eP 24 43.80 -1.1
NOZ 1.36 140 P 24 45.60 0.7
MOZ 1.92 240 eP 24 52.00 -1.0
WAHZ 2.17 192 eP 24 56.70 0.0
WCZ 2.64 307 eP 25 03.40 0.0
MNG 3.24 200 eP 25 11.60 -0.3
WRA 40.87 283 P 32 11.10 7.6X
1.1s 0.40nm 3.1mb
S.D. = 0.6 on 15 of 16 obs.

JUN 21, 1992 19h 31m 30.80± 0.60s
37.653 S ± 6.0km 176.813 E ± 4.7km
DEPTH = 10.0km (geophysicist)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.7 (WEL).

WIZ 0.32 68 P 31 37.30 -0.2
TAZ 0.63 203 P 31 43.10 -0.3
UTU 0.72 223 eP 31 45.10 0.2
PATZ 0.85 211 eP 31 47.10 -0.1
HBZ 1.18 88 eP 31 53.00 0.2
PUZ 1.22 111 P 31 53.10 -0.4
KUZ 1.26 316 eP 31 54.20 0.1
NOZ 1.36 135 eP 31 56.40 0.6
S.D. = 0.4 on 8 of 8 obs.

% JUN 21, 1992 19h 37m 45.77± 0.52s
40.452 N ± 5.1km 29.195 E ± 4.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

YLV 0.18 50 iPg 37 50.30 0.5
IZI 0.24 118 iPg 37 50.40 -0.6
HRT 0.52 44 iPg 37 56.30 0.1
iSg 38 02.30
ISK 0.62 351 iPg 37 57.90 -0.4
iSg 38 05.90
KCT 0.67 253 iPg 37 58.80 -0.3
eSg 38 07.80
CTT 0.90 320 iPg 38 03.30 0.2
DST 0.95 207 iPn 38 04.60 0.7
BNT 0.98 265 iPn 38 04.30 0.0
EDC 1.02 265 iPn 38 05.00 -0.1
S.D. = 0.5 on 9 of 9 obs.

JUN 21, 1992 20h 35m 12.46± 0.47s
37.678 S ± 4.5km 176.817 E ± 3.9km
DEPTH = 10.0km (geophysicist)
3.5mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ 0.33 63 P 35 19.00 -0.3
TAZ 0.61 204 P 35 24.80 0.1
UTU 0.70 225 eP 35 27.30 1.0
PATZ 0.83 212 P 35 29.20 0.6
WLZ 0.99 260 P 35 31.40 0.2
HBZ 1.18 87 eP 35 34.90 0.4
PAHZ 1.19 171 P 35 33.90 -0.8
PUZ 1.21 110 Pc 35 34.90 0.0
S 35 49.60
WHH 1.23 192 P 35 34.30 -1.1
KUZ 1.28 316 eP 35 35.00 -1.1
NOZ 1.34 135 eP 35 38.10 0.9
MOZ 1.79 242 P 35 43.30 -0.3
TTH 1.86 180 eP 35 44.50 -0.1
WAHZ 2.05 190 eP 35 46.60 -0.8
WCZ 2.63 310 eP 35 55.40 -0.3
WRA 40.81 284 P 42 57.50 1.8
0.7s 0.70nm 3.5mb
S.D. = 0.9 on 16 of 16 obs.

• JUN 21, 1992 20h 36m 14.11± 2.38s
43.716 N ±12.1km 128.655 W ±17.1km
DEPTH = 10.0km (geophysicist)
3.4mb (1 obs.)
OFF COAST OF OREGON (30)

RNO 3.56 85 P 37 11.35 0.7
MPOR 3.76 76 P 37 12.49 -1.0
DBO 3.99 97 P 37 16.54 -0.1
HSO 4.05 91 P 37 17.63 0.2
KMOR 4.15 61 P 37 17.92 -1.1
FBO 4.42 80 P 37 22.98 0.1
HBO 4.59 86 P 37 25.16 -0.1
SSOR 4.59 73 P 37 25.33 0.0
GT2 4.79 70 P 37 27.96 -0.2
RVW 4.85 58 P 37 28.32 -0.6
LVP 5.02 60 P 37 31.45 0.1
VLMM 5.06 67 P 37 32.02 0.1
BPO 5.10 77 P 37 32.97 0.4
FL2 5.12 59 P 37 32.78 0.1
MTMW 5.13 61 P 37 32.48 -0.4
CZM 5.13 56 P 37 33.38 0.5
TDH 5.16 70 P 37 33.30 0.0
SHW 5.18 59 P 37 33.76 0.0
TDL 5.27 58 P 37 34.72 -0.2
CDFW 5.27 61 P 37 35.21 0.3
VLL 5.28 68 P 37 35.36 0.3
KOSW 5.34 57 P 37 36.42 0.6
VFP 5.39 70 P 37 37.24 0.6
GULW 5.49 64 P 37 38.31 0.3
HDW 5.56 43 P 37 40.03 1.1
ASR 5.57 62 P 37 37.83 -1.4
WPW 5.84 57 P 37 42.62 -0.3
YKA 20.53 19 eP 40 54.60 -0.2
1.0s 2.00nm 3.4mb
S.D. = 0.6 on 28 of 28 obs.

% JUN 21, 1992 20h 39m 38.91± 0.74s
37.606 S ± 7.2km 176.895 E ± 5.8km
DEPTH = 10.0km (geophysicist)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.1 (WEL).

WIZ 0.25 72 P 39 47.50 3.4
TAZ 0.70 206 eP 39 53.30 0.6
UTU 0.80 224 eP 39 56.20 1.8
PATZ 0.92 213 P 39 57.50 0.9
WLZ 1.06 257 P 39 58.90 0.0
eS 40 15.60
HBZ 1.12 90 eP 39 58.10 -1.7
PUZ 1.18 114 P 39 59.50 -1.4
PAHZ 1.26 174 P 40 01.90 -0.4
KUZ 1.27 312 eP 40 01.20 -1.3
eS 40 19.20
WHH 1.32 194 eP 40 02.00 -1.3
NOZ 1.35 139 P 40 03.70 -0.1
MOZ 1.88 241 eP 40 11.00 -0.4
WAHZ 2.13 191 P 40 14.90 -0.2
WCZ 2.64 308 P 40 22.10 -0.1
S.D. = 1.5 on 14 of 14 obs.

JUN 21, 1992 20h 40m 28.22± 0.69s
37.648 S ± 8.6km 177.051 E ± 6.8km
DEPTH = 33.0km (normal)
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 3.8 (WEL).

WIZ 0.16 43 P 40 36.10 1.6
TAZ 0.72 216 eP 40 42.70 0.7
HBZ 0.99 88 eP 40 44.90 -0.9
PUZ 1.05 114 eP 40 46.10 -0.5
WLZ 1.17 259 eP 40 47.60 -0.8
PAHZ 1.21 180 eP 40 49.20 0.3
NOZ 1.24 142 eP 40 49.20 -0.1
KUZ 1.39 310 eP 40 51.00 -0.5
S.D. = 1.0 on 8 of 8 obs.

JUN 21, 1992 20h 42m 42.44± 0.35s
46.268 N ± 3.3km 2.621 E ± 3.3km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.7 (LDG).

MAF 0.06 219 Pg 42 44.00 -0.7
Sg 42 44.70
TCF 0.29 274 Pg 42 48.40 0.0
Sg 42 52.40
BGF 0.33 28 Pg 42 49.30 0.0
Sg 42 54.10
AGO 0.42 121 Pg 42 50.36 -0.6
Sg 43 56.05
PYM 0.58 152 Pg 42 54.35 0.0
Sg 43 01.89
AVF 0.73 44 Pg 42 56.40 -0.3
Sg 43 06.20
LSF 0.76 269 Pg 42 57.10 -0.2
Sg 43 07.50
SMF 0.92 65 Pg 43 00.00 -0.1
Sg 43 12.40
SSF 1.00 37 Pg 43 01.40 0.0
Sg 43 14.60
LBL 1.12 157 Pg 43 03.83 0.3
Sg 43 18.53
LBF 1.18 52 Pg 43 04.70 0.2
Sg 43 19.90
RJF 1.24 219 Pg 43 05.70 0.3
Sg 43 22.40
LOR 1.31 40 Pg 43 07.10 0.4
Sg 43 24.10
CAF 1.40 196 Pg 43 08.70 0.7
Sg 43 27.00
LFF 1.87 225 Pg 43 17.70 2.9X
LPO 1.88 213 Pg 43 17.80 2.9X
Sg 43 42.10
MFF 1.94 281 Pg 43 19.10 3.3X
Sg 43 43.80
S.D. = 0.4 on 14 of 17 obs.

JUN 21, 1992 20h 49m 37.94± 0.50s
37.616 S ± 5.4km 176.946 E ± 4.5km
DEPTH = 26.4 ± 5.2 km
3.6mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.0 (WEL).

WIZ 0.21 66 P 49 45.30 1.4
TAZ 0.71 209 P 49 51.50 -0.1
UTU 0.82 227 eP 49 54.20 0.7
PATZ 0.94 215 P 49 55.30 -0.1
HBZ 1.08 90 eP 49 56.40 -0.9
WLZ 1.10 256 eP 49 57.90 0.3
S 50 12.50
PUZ 1.13 114 P 49 57.80 -0.4
PAHZ 1.24 176 P 49 59.80 0.1
KUZ 1.31 311 eP 50 00.80 0.3
WHH 1.32 196 eP 49 59.80 -0.9
NOZ 1.32 140 eP 50 00.90 0.2
MOZ 1.91 242 eP 50 09.10 -0.2
TTH 1.92 183 eP 50 10.20 0.7
WAHZ 2.13 192 eP 50 12.80 0.3
WCZ 2.68 308 eP 50 19.50 -0.7
MNG 3.21 200 eP 50 27.40 -0.4
WRA 40.89 283 P 57 25.80 6.2X
1.0s 1.30nm 3.6mb

S.D. = 0.7 on 16 of 17 obs.

JUN 21, 1992 20h 50m 07.83± 0.69s
37.619 S ± 7.7km 176.891 E ± 6.6km
DEPTH = 33.0km (normal)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ 0.25 69 P 50 15.20 0.2
TAZ 0.68 206 eP 50 21.00 0.0
UTU 0.79 225 eP 50 22.70 0.2
HBZ 1.12 89 eP 50 26.80 -0.4
PAHZ 1.25 174 P 50 28.40 -0.6
NOZ 1.35 138 eP 50 31.10 0.7
WCZ 2.64 309 eP 50 49.00 0.0
WRA 40.85 283 P 57 52.20 4.0X
0.6s 0.50nm 3.4mb
S.D. = 0.5 on 7 of 8 obs.

JUN 21, 1992 20h 54m 10.32± 0.64s
37.617 S ± 8.5km 176.961 E ± 6.7km
DEPTH = 33.0 ± 15.0 km
3.4mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.0 (WEL).

WIZ 0.20 64 P 54 17.50 0.6
TAZ 0.71 210 P 54 23.20 -0.7
UTU 0.83 227 eP 54 25.20 -0.3
PATZ 0.94 216 P 54 27.60 0.3
HBZ 1.06 89 P 54 28.20 -0.7
WLZ 1.11 258 P 54 29.20 -0.4
eS 54 44.40
PUZ 1.12 114 eP 54 29.20 -0.6
eS 54 43.80
NOZ 1.31 140 eP 54 33.10 0.7
KUZ 1.32 311 eP 54 32.00 -0.5
WCZ 2.69 308 eP 54 51.20 -0.9
WRA 40.90 283 P 01 53.80 2.6
0.9s 0.70nm 3.4mb
S.D. = 1.2 on 11 of 11 obs.

JUN 21, 1992 20h 56m 11.63± 0.68s
37.660 S ± 9.7km 176.960 E ± 6.5km
DEPTH = 33.0km (normal)
3.6mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ 0.22 54 P 56 17.90 -0.6
TAZ 0.67 212 eP 56 24.00 -0.7
HBZ 1.07 87 P 56 30.50 0.2
WLZ 1.10 259 eP 56 30.80 0.0
PUZ 1.11 112 eP 56 30.10 -0.8
NOZ 1.28 139 eP 56 34.50 1.2
KUZ 1.35 312 P 56 34.70 0.5
WRA 40.91 283 P 03 55.80 3.3X
0.8s 1.10nm 3.6mb
S.D. = 0.9 on 7 of 8 obs.

JUN 21, 1992 21h 12m 00.66± 0.50s
37.632 S ± 5.5km 176.964 E ± 5.7km
DEPTH = 27.9 ± 5.0 km
4.3mb (3 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.3 (WEL).

WIZ 0.21 60 P 12 07.40 0.7
TAZ 0.70 211 eP 12 14.50 0.3
UTU 0.82 228 eP 12 16.20 0.0
PATZ 0.93 216 eP 12 17.60 -0.3
HBZ 1.06 89 eP 12 19.20 -0.5
WLZ 1.11 259 eP 12 20.60 0.2
PUZ 1.11 114 eP 12 19.90 -0.6
eS 12 33.30
PAHZ 1.23 177 eP 12 22.10 0.1
NOZ 1.30 140 eP 12 23.60 0.6
WHH 1.30 196 eP 12 22.20 -1.0
KUZ 1.33 311 eP 12 23.50 0.1
eS 12 39.60
WAHZ 2.12 193 eP 12 35.10 0.2
WCZ 2.70 308 eP 12 41.20 -1.9
OUZ 3.63 311 eP 12 55.80 -0.5
WB2 40.90 283 eP 19 43.60 1.4
0.8s 4.70nm 4.3mb
WRA 40.91 283 P 19 44.20 2.0
1.0s 2.50nm 3.9mb
MAW 64.06 203 iPc 22 33.00 -0.8
1.0s 12.00nm 5.0mb
S.D. = 1.0 on 17 of 17 obs.

& JUN 21, 1992 21h 16m 49.79s
35.510 N 118.194 W
DEPTH = 1.4km
CENTRAL CALIFORNIA (39)
<PAS-P>. MD 2.5 (PAS).

ISA 0.27 304 iPc 16 55.33 0.1
eS 16 58.85
ABL 1.07 232 eP 17 10.03 -0.8
SSK 1.36 162 eP 17 15.27 -0.6
BCH 1.58 259 eP 17 17.93 -1.1
PHAM 1.82 281 (P) 17 22.49 0.0
PEC 1.82 152 eP 17 21.16 -1.4
TPNV 2.13 47 (P) 17 26.07 -1.0
PLM 2.42 153 eP 17 26.21 -5.1
TNP 2.68 17 (Pn) 17 35.30 0.2
ePg 17 39.47
9 obs. associated

% JUN 21, 1992 21h 40m 40.34± 0.50s
10.780 N ± 5.8km 61.241 W ± 8.4km
DEPTH = 60.0km (geophysicist)
TRINIDAD (98)
MD 3.4 (TRN).

TRN 0.21 230 iP 40 49.66 -0.2
eS 40 56.24
TBH 0.34 150 iP 40 50.66 -0.2
eS 40 57.12
TPP 0.50 204 eP 40 52.63 0.2
eS 41 00.79
TCE 0.51 261 iP 40 52.61 0.1
eS 41 01.35
PIG 0.55 46 eP 40 53.23 0.4
eS 41 03.65
BOT 0.64 53 eP 40 53.88 -0.1
eS 41 04.61
SVB 2.48 360 eP 41 19.08 0.1
eS 41 48.23
SVV 2.52 1 eP 41 19.91 0.2
eS 41 49.63
SLB 3.03 4 eP 41 26.55 -0.5
eS 42 00.90
S.D. = 0.3 on 9 of 9 obs.

% JUN 21, 1992 21h 59m 32.46± 0.65s
37.628 S ± 6.2km 176.896 E ± 5.2km
DEPTH = 23.5 ± 6.1 km
NORTH ISLAND, NEW ZEALAND (159)
ML 4.0 (WEL).

WIZ 0.25 67 P 59 39.50 0.8
TAZ 0.68 207 eP 59 45.40 -0.1
UTU 0.78 225 eP 59 47.60 0.3
PATZ 0.90 214 eP 59 49.90 0.5
WLZ 1.06 258 eP 59 51.50 -0.3
PUZ 1.17 113 P 59 52.00 -1.4
eS 00 08.60
PAHZ 1.24 174 P 59 53.90 -0.5
KUZ 1.29 313 eP 59 54.80 -0.2
eS 00 12.30
WHH 1.29 194 eP 59 54.10 -1.1
NOZ 1.34 138 P 59 56.40 0.7
MOZ 1.87 241 eP 00 03.60 0.1
TTH 1.91 182 eP 00 05.00 1.0
WAHZ 2.11 191 eP 00 07.20 0.2
S.D. = 0.8 on 13 of 13 obs.

JUN 21, 1992 22h 12m 14.75± 0.79s
5.411 S ± 4.0km 150.895 E ± 5.2km
DEPTH = 116.5 ± 7.9 km
5.4mb (16 obs.)
NEW BRITAIN REGION, P.N.G. (192)

RAB 1.76 46 iPc 12 44.00 -1.4
LAT 4.07 252 eP 13 21.50 5.5X
PMG 5.44 223 eP 13 34.50 -0.2
WWKK 7.46 283 eP 14 06.00 3.4X
CTA 15.27 197 eP 15 47.00 1.6
0.7s 230.14nm 5.5mb
QIS 18.63 215 iPc 16 23.50 -2.6
0.8s 31.00nm 4.7mb
GUA 19.74 343 ePd 16 39.40 1.6
0.8s 632.84nm 6.0mb
GUMO 19.80 342 iPd 16 39.60 1.2
1.2s 425.90nm 5.7mb
PJG 19.80 342 eP 16 39.70 1.2
MTN 20.85 248 eP 16 49.70 0.6
RMQ 21.06 185 iPc 16 52.00 0.8
0.8s 237.00nm 5.6mb
i 17 19.80
WB2 21.63 227 iPc 16 56.70 -0.1
0.5s 94.30nm 5.4mb
i 16 59.30
iS 20 49.00
iScS 24 22.60
QLP 21.99 196 iPc 17 01.40 1.0
0.4s 129.00nm 5.6mb
DZM 22.38 139 iPc 17 04.10 -0.1
KNA 24.03 243 eP 17 20.70 0.5
ASPA 24.44 220 iPc 17 24.80 0.6
0.4s 79.00nm 5.5mb
eS 21 35.80
ARMA 24.89 178 iPc 17 29.10 0.8
0.9s 45.00nm 4.9mb
STK 27.74 197 iPc 17 53.50 -0.8
0.5s 15.30nm 4.9mb
BWA 28.96 184 eP 18 04.60 -0.7
BWA 28.96 184 eP 18 04.70 -0.6
CAN 29.82 183 eP 18 12.70 -0.2
WARB 31.05 226 iPc 18 24.90 1.1
0.7s 71.00nm 5.5mb
TOO 32.39 188 eP 18 35.00 -0.4
0.9s 60.00nm 5.4mb
FORT 33.13 218 eP 18 41.00 -0.9
MEEK 37.33 232 iPc 19 17.50 -0.1
COOL 37.72 224 iPc 19 20.20 -0.7
0.3s 18.00nm 5.4mb
KLB 40.51 226 eP 19 43.10 -0.8
0.3s 12.00nm 5.2mb
MRWA 40.60 230 eP 19 44.30 -0.3
DSZ 40.70 156 eP 19 47.10 1.7
BAL 40.75 228 eP 19 45.00 -0.9
PUZ 40.94 146 eP 19 47.20 -0.1
THZ 41.17 155 eP 19 49.10 -0.1
NOZ 41.21 147 eP 19 49.50 0.0
TCW 41.33 153 P 19 51.00 0.6
KIW 41.34 152 eP 19 51.70 1.1
MNG 41.42 151 P 19 51.30 0.1
MRW 41.54 153 eP 19 52.10 0.0
CAW 41.61 152 eP 19 53.00 0.3
LTZ 41.76 156 eP 19 54.70 0.7
PGZ 41.80 151 eP 19 54.20 -0.1
EWZ 41.83 158 eP 19 55.40 0.9
MUN 41.83 226 eP 19 54.30 -0.4
MSZ 41.85 162 eP 19 55.80 1.2
MTW 41.85 152 P 19 54.60 -0.1
MOW 41.94 152 P 19 55.30 -0.2
KHZ 41.98 155 eP 19 54.90 -0.9
BLW 42.00 152 P 19 55.80 -0.2
BJI 55.37 328 eP 21 39.00 0.1
LZH 60.36 317 Pc 22 15.50 1.4
1.4s 41.00nm 5.3mb
pP 22 37.50 87kmX
GUN 70.82 302 P 23 20.80 -0.6
PKI 71.12 301 P 23 24.80 1.6
KKN 71.29 302 P 23 23.40 -0.7
DMN 71.39 301 P 23 24.00 -0.7
GKN 71.90 302 P 23 26.80 -0.8
SLKM 80.03 25 eP 24 11.59 -0.9
IMA 81.67 20 eP 24 21.34 0.2
0.9s 3.29nm 4.1mb X
FBA 83.16 22 eP 24 27.73 -1.0
0.6s 8.90nm 4.8mb
BUL 117.87 244 iPKPd 30 49.90 -0.3
0.7s 3.08nm
GEC2 123.56 327 PKP 30 59.30 -0.8
0.5s 1.14nm
ZOBO 135.78 120 PKP 31 23.00 -2.1
S.D. = 0.9 on 58 of 60 obs.

• JUN 21, 1992 22h 35m 01.14± 0.50s
15.169 S ±18.4km 173.535 W ± 9.5km
DEPTH = 33.0km (normal)
4.8mb (7 obs.)
TONGA ISLANDS (173)

AFI 2.11 54 iPd 35 34.00 -0.9
DZM 20.17 247 iPc 39 39.70 3.9X
PMO 24.75 93 eP 40 21.00 -0.2

1.3s 40.00nm 4.8mb
VAH 24.99 94 eP 40 23.00 -0.5
1.3s 30.00nm 4.7mb
TPT 25.02 93 eP 40 24.00 0.2
1.3s 35.00nm 4.8mb
WRA 49.77 257 P 43 52.20 -0.7
0.4s 1.00nm 4.2mb
ASPA 50.06 252 eP 43 53.50 -1.6
0.3s 9.50nm 5.3mb
i 44 05.30
MAW 87.97 199 iPd 47 49.40 0.7
1.0s 9.00nm 5.0mb
YKA 89.94 23 eP 47 58.10 0.1
1.0s 1.40nm 4.2mb
GRF 145.35 355 ePKP 54 38.20 1.0
e 54 49.10
KHC 145.63 352 PKP 54 38.60 0.8
1.0s 4.30nm
e 54 50.00
e 54 59.00
GEC2 145.90 351 PKP 54 38.70 0.4
0.7s 1.30nm
ZST 145.92 347 ePKP 54 51.70 13.5X
SRO 146.00 346 e(PKP)54 39.10 0.8
CDF 146.84 359 ePKP 54 42.30 2.5X
1.2s 7.45nm
HAU 147.26 0 ePKP 54 43.50 3.1X
0.9s 4.90nm
S.D. = 0.9 on 12 of 16 obs.

% JUN 21, 1992 22h 43m 16.24± 0.50s
37.688 S ± 4.9km 176.903 E ± 4.4km
DEPTH = 20.0 ± 6.8 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.8 (WEL).

WIZ 0.28 55 P 43 22.50 -0.1
TAZ 0.63 210 P 43 28.40 0.0
UTU 0.74 229 P 43 31.20 0.8
PATZ 0.86 216 eP 43 32.80 0.4
WLZ 1.05 261 eP 43 35.10 -0.6
eS 43 49.30
PUZ 1.14 110 P 43 37.20 0.1
eS 43 51.40
PAHZ 1.18 174 P 43 37.90 0.3
WHH 1.24 195 P 43 38.10 -0.4
NOZ 1.29 136 eP 43 39.20 0.1
KUZ 1.33 314 eP 43 40.20 0.5
eS 43 56.50
WCZ 2.69 310 P 43 59.00 -0.3
PGZ 2.97 189 eP 44 02.20 -0.9
S.D. = 0.6 on 12 of 12 obs.

JUN 21, 1992 22h 49m 42.09± 0.47s
37.659 S ± 4.6km 176.798 E ± 3.9km
DEPTH = 10.0km (geophysicist)
3.3mb (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.8 (WEL).

WIZ 0.34 67 P 49 48.70 -0.3
TAZ 0.62 202 P 49 54.40 -0.1
UTU 0.71 223 eP 49 56.60 0.6
PATZ 0.84 210 eP 49 58.70 0.4
WLZ 0.98 259 P 50 01.20 0.6
eS 50 15.10
HBZ 1.20 88 eP 50 04.40 0.1
PAHZ 1.21 171 eP 50 04.20 -0.5
PUZ 1.23 110 eP 50 05.50 0.6
eS 50 21.10
WHH 1.25 191 P 50 04.20 -1.1
KUZ 1.25 316 eP 50 04.40 -1.0
NOZ 1.37 135 eP 50 07.50 0.4
MOZ 1.79 241 eP 50 12.70 -0.5
WAHZ 2.07 190 eP 50 16.90 -0.4
WCZ 2.61 310 eP 50 24.50 -0.5
WRA 40.79 284 P 57 27.10 1.9
0.8s 0.50nm 3.3mb
S.D. = 0.8 on 15 of 15 obs.

JUN 21, 1992 23h 12m 56.33± 0.55s
37.628 S ± 6.4km 176.968 E ± 4.8km
DEPTH = 33.0km (normal)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.8 (WEL).

WIZ 0.20 61 P 13 02.00 -0.9
TAZ 0.71 211 eP 13 09.20 -0.6
PATZ 0.94 216 P 13 12.90 -0.3
HBZ 1.06 89 eP 13 15.00 0.1
PUZ 1.11 114 P 13 15.50 -0.2
WLZ 1.11 257 eP 13 15.70 0.0
PAHZ 1.23 177 P 13 17.80 0.5
NOZ 1.30 140 P 13 18.90 0.7
KUZ 1.33 311 P 13 19.50 0.8
eS 13 36.20
MOZ 1.92 242 eP 13 26.90 -0.4
WAHZ 2.12 193 P 13 30.50 0.3
WRA 40.91 283 P 20 42.30 5.1X
0.8s 0.40nm 3.2mb
S.D. = 0.6 on 11 of 12 obs.

? JUN 21, 1992 23h 15m 45.35± 6.91s
34.396 S ±40.1km 70.195 W ±26.3km
DEPTH = 10.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.4 (SAN).

CACH 0.44 310 iPc 15 54.30 0.0
iS 16 00.30
CHCH 0.60 320 iPc 15 57.40 -0.1
iS 16 05.70
PCH 0.82 341 iPc 16 01.20 -0.1
iS 16 12.50
TACH 0.96 320 iPc 16 03.60 -0.1
iS 16 17.00
FCH 1.07 356 iPc 16 05.60 -0.1
iS 16 20.40
LNV 1.10 293 iPc 16 06.00 0.0
iS 16 20.70
PEL 1.31 342 iPc 16 10.00 0.3
iS 16 27.80
S.D. = 0.2 on 7 of 7 obs.

& JUN 21, 1992 23h 31m 22.71s
63.189 N 151.025 W
DEPTH = 144.5km
CENTRAL ALASKA (1)
<AEIC>.

KTH 0.37 7 iP 31 42.75 1.4
eS 31 57.19
TRF 0.42 51 eP 31 43.11 -0.4
eS 31 58.78
HUR 0.67 108 eP 31 44.10 -0.6
CUT 0.86 156 eP 31 45.71 -0.3
RND 1.01 77 eP 31 47.53 0.2
MCK 1.09 59 eP 31 47.80 -0.2
SKT 1.24 191 eP 31 48.82 -0.6
eS 32 09.47
GHO 1.72 145 eP 31 54.52 -0.3
eS 32 18.71
SUA 1.74 176 eP 31 55.04 0.1
WRH 1.83 44 eP 31 55.13 -0.8
MLY 1.85 4 iP 31 55.35 -0.9
SML 1.87 137 eP 31 55.69 -0.7
eS 32 21.58
NCG 1.87 197 eP 31 55.73 -0.7
BGL 2.04 199 eP 31 58.54 0.1
PMS 2.07 160 eP 31 58.38 -0.4
eS 32 24.94
SPU 2.07 194 eP 31 58.22 -0.6
KNK 2.15 145 eP 31 58.89 -0.8
HDA 2.18 54 eP 31 59.24 -0.8
BKG 2.20 196 eP 31 59.98 -0.5
FBA 2.23 38 eP 31 59.25 -1.4
TTA 2.29 266 eP 32 00.55 -0.9
GLM 2.41 40 eP 32 02.43 -0.5
TOA 2.49 114 eP 32 03.91 -0.1
PTE 2.52 157 eP 32 03.07 -1.1
PAX 2.54 92 eP 32 04.30 -0.3
SDG 2.60 102 eP 32 02.84 -2.5
SLKM 2.72 172 eP 32 06.07 -0.8
KLU 2.93 123 eP 32 09.14 -0.4
VLZ 3.02 131 eP 32 10.19 -0.4
DOT 3.16 79 eP 32 11.50 -1.1
SEW 3.19 166 eP 32 11.78 -1.0
GLB 3.80 114 eP 32 20.05 -0.8
32 obs. associated

JUN 22, 1992 00h 08m 25.15± 0.48s
37.531 S ± 5.1km 177.080 E ± 4.3km
DEPTH = 60.0km (geophysicist)
3.5mb (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)

WIZ 0.09 89 eP 08 34.40 0.3
TAZ 0.83 213 eP 08 40.30 -0.8
UTU 0.95 227 eP 08 43.00 0.3
HBZ 0.97 94 eP 08 42.50 -0.4
PATZ 1.07 217 P 08 44.50 0.2
PUZ 1.08 121 P 08 44.20 -0.2
eS 08 59.50
WLZ 1.22 253 eP 08 46.10 -0.3
eS 09 01.90
NOZ 1.32 145 P 08 48.50 0.8
PAHZ 1.33 181 eP 08 47.40 -0.4
KUZ 1.34 305 eP 08 47.40 -0.5
WHH 1.43 199 eP 08 49.20 0.0
MOZ 2.04 241 P 08 58.00 0.3
WAHZ 2.24 194 eP 09 00.90 0.4
WCZ 2.71 305 P 09 07.70 0.6
MNG 3.32 201 eP 09 15.70 -0.1
WRA 40.98 283 P 16 09.90 6.2X
0.8s 0.80nm 3.5mb
S.D. = 0.5 on 15 of 16 obs.

• JUN 22, 1992 00h 20m 14.67± 0.88s
37.647 S ± 9.5km 176.919 E ±10.2km
DEPTH = 33.0km (normal)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.7 (WEL).

WIZ 0.24 61 eP 20 21.00 -0.7
TAZ 0.67 209 eP 20 27.50 -0.1
PATZ 0.90 215 eP 20 30.50 -0.5
NOZ 1.31 138 eP 20 37.60 0.8
KUZ 1.31 313 eP 20 37.30 0.5
eS 20 54.00
S.D. = 0.9 on 5 of 5 obs.

% JUN 22, 1992 00h 55m 29.25± 0.89s
42.922 N ± 7.3km 18.721 E ± 6.6km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.4 (TTG).

BRY 0.13 261 iPgd 55 32.83 0.3
iSg 55 35.56
NKY 0.23 118 iPgc 55 34.72 0.4
iSg 55 39.09
HCY 0.50 199 iPgc 55 39.16 -0.3
iSg 55 47.22
TTG 0.63 141 iPgc 55 41.88 -0.1
iSg 55 51.66
PLE 0.64 50 iPgc 55 41.88 -0.3
iSg 55 51.62
BDV 0.64 173 ePg 55 42.03 -0.1
iSg 55 51.81
S.D. = 0.4 on 6 of 6 obs.

? JUN 22, 1992 01h 05m 31.96± 4.51s
33.070 S ±14.0km 72.216 W ±32.8km
DEPTH = 10.0km (geophysicist)
OFF COAST OF CENTRAL CHILE (134)

ROCH 1.02 85 (P) 05 51.20 -0.2
(S) 06 04.10
LNV 1.11 143 iPd 05 52.60 -0.2
iS 06 06.80
TACH 1.22 119 iPd 05 54.30 -0.3
iS 06 09.90
PEL 1.29 94 iPc 05 56.10 0.2
iS 06 12.70
JACH 1.42 75 iPd 05 57.60 -0.3
iS 06 17.60
PCH 1.53 112 iP 05 59.60 0.2
iS 06 20.10
CHCH 1.56 124 ePc 05 59.90 0.0
iS 06 20.00
FCH 1.63 100 iPd 06 01.50 0.3
iS 06 22.70
CACH 1.71 128 iPd 06 02.20 0.2
(S) 06 23.50
S.D. = 0.3 on 9 of 9 obs.

JUN 22, 1992 02h 08m 33.25± 0.60s
37.615 S ± 6.3km 177.016 E ± 4.9km
DEPTH = 33.0km (normal)
3.7mb (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)

ML 4.0 (WEL).

WIZ 0.16 58 eP 08 41.00 1.5
TAZ 0.74 213 eP 08 47.30 0.2
UTU 0.86 229 eP 08 49.60 0.6
PATZ 0.97 218 P 08 50.90 0.3
HBZ 1.02 90 eP 08 50.30 -0.9
PUZ 1.08 115 eP 08 51.20 -1.0
eS 09 05.60
WLZ 1.15 257 P 08 52.90 -0.2
eS 09 08.20
PAHZ 1.24 179 P 08 54.60 0.2
NOZ 1.28 142 eP 08 55.50 0.5
WHH 1.33 198 eP 08 55.40 -0.4
MAHZ 1.71 157 eP 09 02.10 0.9
MOZ 1.96 242 eP 09 05.10 0.3
WAHZ 2.14 194 Pc 09 08.20 0.8
WCZ 2.72 307 P 09 14.90 -0.6
PGZ 3.05 191 eP 09 19.30 -1.0
MNG 3.23 201 eP 09 21.60 -1.2
WRA 40.95 283 P 16 19.40 5.0X
0.6s 0.90nm 3.7mb
S.D. = 0.8 on 16 of 17 obs.

% JUN 22, 1992 02h 12m 30.84± 2.27s
17.655 N ±19.5km 62.636 W ±11.8km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)
MD 3.0 (TRN).

SKI 0.33 197 eP 12 38.61 -0.5
eS 12 47.87
BSK 0.36 212 eP 12 38.91 -0.5
eS 12 47.66
NEV 0.52 173 eP 12 41.63 -0.1
eS 12 52.61
CPB 0.77 91 eP 12 45.67 0.4
eS 12 59.51
ANG 0.92 123 eP 12 46.25 -1.1
eS 13 01.53
BPA 0.96 129 eP 12 46.94 -1.1
eS 13 02.78
MGH 1.01 157 eP 12 49.48 0.7
MBET 1.02 153 eP 12 48.87 0.1
S.D. = 0.8 on 8 of 8 obs.

JUN 22, 1992 02h 13m 59.82± 0.57s
37.649 S ± 6.3km 176.982 E ± 4.9km
DEPTH = 14.6 ± 3.6 km
4.4mb (3 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.3 (WEL).

WIZ 0.20 54 eP 14 06.00 1.3
TAZ 0.69 213 eP 14 13.60 0.5
UTU 0.82 230 P 14 16.40 1.2
PATZ 0.93 218 P 14 17.70 0.5
HBZ 1.05 88 eP 14 18.10 -1.0
PUZ 1.09 113 eP 14 19.20 -0.8
eS 14 34.40
WLZ 1.12 258 eP 14 19.60 -0.8
PAHZ 1.21 177 eP 14 22.00 0.1
NOZ 1.28 140 eP 14 24.10 1.1
WHH 1.29 197 eP 14 22.10 -1.2
MOZ 1.92 243 eP 14 31.90 -0.4
WAHZ 2.11 193 P 14 34.50 -0.5
BSZ 2.68 216 eP 14 43.00 -0.2
WCZ 2.72 308 eP 14 41.80 -1.9
MRW 3.99 206 eP 15 00.60 -1.1
SNZO 4.06 205 P 15 10.00 7.3X
WB2 40.92 283 eP 21 43.70 0.4
1.0s 6.10nm 4.3mb
WRA 40.93 283 P 21 44.80 1.5
1.0s 4.50nm 4.2mb
MAW 64.05 203 ePd 24 34.00 -0.8
1.0s 12.00nm 5.0mb
KIC 148.82 177 PKP 33 41.80 -3.0X
S.D. = 1.1 on 18 of 20 obs.

JUN 22, 1992 02h 19m 03.91± 0.67s
37.686 S ± 7.6km 177.046 E ± 7.5km
DEPTH = 27.4 ± 7.8 km
3.4mb (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 3.9 (WEL).

WIZ 0.19 36 P 19 11.10 1.3
TAZ 0.69 218 P 19 16.90 -0.4
UTU 0.83 234 P 19 19.70 0.0
PATZ 0.93 222 P 19 20.30 -0.9
HBZ 1.00 85 P 19 20.80 -1.3
PUZ 1.03 112 P 19 21.30 -1.3
S 19 35.50
WLZ 1.16 260 eP 19 23.00 -1.4
PAHZ 1.17 180 eP 19 24.20 -0.4
NOZ 1.21 140 eP 20 20.50 55.4X
WHH 1.27 200 eP 19 25.20 -0.8
KUZ 1.41 311 eP 19 26.10 -1.9
eS 19 44.00
WAHZ 2.08 195 eP 19 36.80 -0.9
WRA 40.99 283 P 26 47.20 1.0
0.8s 0.70nm 3.4mb
S.D. = 1.1 on 12 of 13 obs.

? JUN 22, 1992 02h 19m 58.23± 1.33s
37.552 S ±34.7km 177.027 E ± 9.4km
DEPTH = 33.0km (normal)
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 3.8 (WEL).

WIZ 0.13 80 P 20 04.90 0.7
HBZ 1.01 93 eP 20 15.30 -0.8
PUZ 1.10 118 eP 20 17.80 0.4
eS 20 29.70
WLZ 1.18 254 eP 20 18.20 -0.2
S.D. = 1.2 on 4 of 4 obs.

JUN 22, 1992 02h 28m 11.42± 0.68s
37.575 S ± 5.6km 177.004 E ± 5.0km
DEPTH = 46.6 ± 15.5 km
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 4.2 (WEL).

WIZ 0.15 72 eP 28 19.50 0.4
TAZ 0.77 211 P 28 25.40 -0.6
UTU 0.88 227 P 28 28.20 0.6
PATZ 1.00 216 P 28 29.00 -0.3
HBZ 1.03 92 eP 28 28.80 -0.9
PUZ 1.11 117 P 28 30.20 -0.6
S 28 45.60
WLZ 1.15 255 P 28 31.00 -0.4
PAHZ 1.28 178 P 28 33.30 0.0
KUZ 1.32 308 eP 28 33.80 0.1
NOZ 1.32 142 eP 28 34.90 1.2
WHH 1.37 197 P 28 33.50 -1.0
MAHZ 1.75 157 eP 28 40.40 0.5
TTH 1.97 184 eP 28 43.30 0.4
WAHZ 2.18 193 P 28 46.10 0.1
WCZ 2.69 307 P 28 53.50 0.3
S.D. = 0.7 on 15 of 15 obs.

JUN 22, 1992 02h 51m 14.73± 0.51s
37.757 S ± 5.3km 177.016 E ± 4.4km
DEPTH = 15.4 ± 7.7 km
3.6mb (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 4.0 (WEL).

WIZ 0.27 31 eP 51 21.00 0.3
TAZ 0.62 220 eP 51 26.60 -0.1
UTU 0.77 237 eP 51 30.00 0.6
PATZ 0.86 224 eP 51 30.80 -0.1
PUZ 1.03 108 eP 51 33.40 -0.3
eS 51 48.30
HBZ 1.03 82 eP 51 33.20 -0.5
PAHZ 1.10 178 eP 51 35.20 0.3
WLZ 1.13 265 eP 51 35.80 0.3
eS 51 52.20
NOZ 1.18 137 eP 51 37.10 0.9
WHH 1.20 200 eP 51 35.40 -1.2
KUZ 1.44 314 eP 51 39.70 -0.5
eS 51 57.20
MAHZ 1.58 155 eP 51 42.90 0.7
WAHZ 2.01 195 eP 51 48.40 0.0
WCZ 2.81 309 eP 51 55.50 -4.3X
PGZ 2.92 191 eP 51 59.60 -1.7
MNG 3.10 202 eP 52 05.10 1.2
WRA 40.98 283 P 58 58.80 0.2
0.6s 0.80nm 3.6mb
S.D. = 0.8 on 16 of 17 obs.

% JUN 22, 1992 02h 57m 17.80± 0.97s
37.552 S ± 8.2km 176.997 E ± 5.6km
DEPTH = 51.9 ± 18.5 km
NORTH ISLAND, NEW ZEALAND (159)

WIZ 0.15 81 eP 57 26.20 0.1
TAZ 0.78 209 eP 57 32.30 -0.5
UTU 0.89 225 eP 57 34.30 0.0
PATZ 1.01 215 P 57 36.20 0.2
HBZ 1.04 93 eP 57 36.70 0.5
PUZ 1.13 118 eP 57 36.50 -1.0
eS 57 52.60
WLZ 1.15 255 eP 57 38.30 0.4
KUZ 1.30 308 eP 57 39.60 -0.3
PAHZ 1.31 178 P 57 39.80 -0.2
NOZ 1.34 143 eP 57 41.30 0.8
S.D. = 0.6 on 10 of 10 obs.

JUN 22, 1992 03h 12m 09.68± 0.80s
24.332 N ± 7.2km 122.478 E ± 7.6km
DEPTH = 10.0km (geophysicist)
3.9mb (2 obs.)
TAIWAN REGION (243)

TWC 0.64 296 iPd 12 22.80 0.4
eS 12 30.00
TWD 0.84 253 iPd 12 25.40 -0.5
eS 12 34.20
TATO 1.11 306 eP 12 31.00 0.6
TWQ 1.50 268 ePd 12 36.60 -0.1
QZH 3.59 281 iPnc 13 00.50 -6.0X
iSn 13 40.10
SSE 6.83 351 P 13 52.50 0.1
0.6s 45.00nm 5.7mb X
Z 16s 0.40um 3.8MszX
NJ2 8.33 338 Pc 14 12.80 -0.5
S 15 47.50
WHN 9.51 312 eP 14 26.00 -3.6X
TIY 15.86 330 eP 15 54.40 -0.2
Z 18s 0.37um
WB2 45.50 164 eP 20 31.60 0.4
0.9s 2.40nm 4.2mb
YKA 82.37 23 eP 24 32.70 -0.2
1.0s 0.70nm 3.7mb
S.D. = 0.5 on 9 of 11 obs.

JUN 22, 1992 04h 00m 41.00± 0.13s
60.728 S ± 4.4km 21.969 W ± 5.0km
DEPTH = 11.8km (4 depth phases)
6.0mb (27 obs.) 6.1Msz (43 obs.)
SOUTHWESTERN ATLANTIC OCEAN (156)
Mo=6.3*10**18 Nm (PPT).
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=190 Dip=90 Slip=-170
NP2: 100 80 -360
Principal Axes:
T Plg= 7 Azm=325
P 7 55
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 4
Moment Tensor; Scale 10**18 Nm
Mrr= 0.33 Mtt= 2.60
Mff=-2.93 Mrt=-0.58
Mrf= 2.48 Mtf= 4.17
Principal axes:
T Val= 4.95 Plg= 9 Azm=329
N 1.17 67 217
P -6.12 21 63
Best Double Couple:Mo=5.5*10**18
NP1:Strike=105 Dip=68 Slip= -9
NP2: 198 82 -158
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 97C M.W.: 23S, 45C
Centroid Location:
Origin Time 04:00:46.7 0.1
Lat 61.11S 0.01 Lon 21.42W 0.03
Dep 15.0 FIX Half-duration 5.7
Moment Tensor; Scale 10**18 Nm
Mrr=-0.93 0.04 Mtt= 1.51 0.04
Mff=-0.58 0.03 Mrt= 1.90 0.13
Mrf=-0.06 0.10 Mtf= 3.19 0.03
Principal Axes:

22d 04h

T Val= 4.27 Plg=17 Azm=327
N -0.78 57 85
P -3.50 27 228
Best Double Couple:Mo=3.9*10**18
NP1:Strike= 10 Dip=58 Slip=-172
NP2: 276 83 -32
AIA 19.44 238 eP 05 08.40 -1.4
SPA 29.44 180 iPc 06 46.30 0.0
1.0s 575.00nm 6.3mb
LPA 34.61 302 iPc+ 07 31.60 0.1
1.0s 960.00nm 6.7mb
Z 20s 28.37um 6.0Msz
ePcP 10 19.00
eS 13 00.00
MAW 34.78 138 P 07 32.50 -0.2
SUR 39.70 64 iPd 08 15.00 0.3
1.0s 60.00nm 5.2mb
Z 20s 5.32um 5.4Msz
RDJ 40.60 329 eP 08 18.60 -3.3X
VAO 41.51 324 iPd 08 31.70 2.2
e 08 41.20 32kmX
SBA 41.56 183 ePc 08 30.80 1.6
PEL 41.76 289 iPc 08 30.70 -0.7
1.2s 937.50nm 6.4mb
ITB7 41.87 314 e(P) 08 32.50 0.2
CFA 41.92 293 ePd 08 31.00 -1.7
ITB 42.18 314 Pd 08 34.50 -0.4
RTLL 42.26 293 iPd 08 34.10 -1.4
RTCB 42.28 292 iPc 08 34.60 -1.1
IHA 42.30 288 eP 08 35.50 -0.3
ITB1 42.38 314 Pc 08 36.50 0.0
RTBS 42.43 291 iPc 08 36.60 -0.2
CRZF 43.65 106 eP 08 54.00 7.4X
ePP 10 17.00
eS 14 41.00
eSS 17 21.00
FRS 43.96 67 iPd 08 50.90 1.7
0.5s 169.01nm 6.1mb
WIN 46.76 53 iPd 09 11.90 -0.1
1.0s 280.00nm 6.3mb
Z 22s 13.70um 5.9Msz
PRY 47.34 67 iPc 09 15.20 -1.3
CSY 48.53 157 iPd 09 25.30 0.3
1.1s 90.80nm 5.7mb
SLR 48.74 67 iPd- 09 26.00 -1.3
1.0s 210.00nm 6.1mb
Z 20s 40.43um 6.4Msz
BDF 48.74 326 iPc 09 30.15 2.8
ePP 11 18.72
BAO 48.79 326 Pd 09 23.00 -4.8X
e 26 19.00
ANT 49.69 296 iPc 09 32.00 -2.4
PDCR 49.74 338 eP 09 34.70 -0.2
e 09 38.30 12km
e 09 41.50
DRV 52.22 171 iP 09 52.80 -0.4
PP 11 54.00
S 17 21.00
SS 21 06.00
LR 23 18.00
SIV 52.75 310 Pc 09 56.00 -1.8
ITR 53.29 340 iPc 10 01.30 -0.4
i 10 07.80 21km
i 10 17.60
e 10 23.00
BUL 53.75 64 iPc 10 03.90 -1.3
i 10 18.90 56kmX
CNCB 54.74 302 iPc 10 13.00 -0.1
S 17 53.00
LPB 55.04 302 iPc 10 14.90 -0.2
1.1s 759.49nm 6.6mb
Z 20s 21.28um 6.2Msz
S 17 50.00
LR 27 22.00
ZOBO 55.27 303 iPc 10 16.15 -0.9
2.0s 137.28nm 5.6mb
S 17 59.00
LR 26 26.00
ARE 56.54 299 eP 10 25.00 -0.7
MCQ 65.12 181 iPc 11 28.40 5.3X
LIC 68.06 18 P 11 41.60 -0.7
KIC 68.24 18 P 11 42.60 -0.8
1.2s 95.00nm 5.9mb
S 20 41.00
TIC 68.48 18 P 11 44.00 -0.9
TLC 74.06 188 P 12 17.60 -0.6
CMCZ 74.08 188 P 12 18.20 -0.1
NAI 74.10 63 ePd 12 22.50 3.6X
PPS 22 06.90
ScS 22 42.00
SS 26 22.90
LSCZ 74.11 188 P 12 18.20 -0.2
SBCZ 74.14 188 P 12 18.00 -0.5
LRCZ 74.16 188 P 12 18.20 -0.6
MHZ 74.17 188 eP 12 17.50 -1.3
MMCZ 74.24 188 P 12 18.60 -0.6
PSO 74.85 302 eP 12 24.00 0.6
MBO 74.97 5 eP 12 24.30 0.8
EWZ 75.59 190 P 12 27.30 0.5
LTZ 76.19 191 P 12 30.30 0.0
BOG 76.63 306 iPc 12 34.50 1.0
iS 22 21.50
THZ 77.14 191 P 12 34.80 -0.8
TPP 77.39 320 eP 12 39.54 2.4X
SNZO 77.41 193 P 12 38.00 1.0
SNZO 77.41 193 eP 12 29.15 -7.8X
TRN 77.69 320 eP 12 40.20 1.4
CUM 78.41 318 eP 12 45.00 2.2X
BMG 78.48 308 iPc 12 41.00 -2.3
SDV 79.22 311 eP 12 48.00 0.5
CAR 79.38 315 iPd 12 47.00 -1.3
iS 22 49.00
TOV 79.74 312 eP 12 51.00 0.9
SVV 80.14 321 eP 12 53.34 1.2
MOZ 80.17 193 P 12 51.20 -0.9
SLB 80.57 322 eP 12 56.24 1.7
FDF 81.46 322 eP 13 00.00 0.9
S 23 15.10
MUN 81.50 145 eP 12 58.50 -0.7
0.8s 167.00nm 6.1mb
Z 20s 8.80um 6.1Msz
TOO 81.51 170 iPd 13 00.50 1.2
0.9s 35.00nm 5.4mb
KLB 82.30 146 eP 13 03.00 -0.4
WCZ 82.75 193 P 13 04.60 -1.1
PAG 82.84 322 eP 13 00.00 -6.3X
BAL 82.94 145 eP 13 06.00 -0.7
ADE 83.34 164 e(P) 13 05.80 -3.0X
1.0s 332.00nm 6.5mb
COOL 83.87 149 eP 13 10.50 -1.0
CAN 84.01 173 iPc 13 12.00 -0.2
i 13 14.30 7km
CN8 84.04 173 eP 13 13.00 0.6
1.0s 70.00nm 5.8mb
MRWA 84.04 144 eP 13 11.50 -0.9
AAE 84.17 60 P 13 16.40 2.9X
BWA 84.86 172 iPc 13 16.30 -0.2
i 13 18.40 7km
FORT 85.58 154 eP 13 21.00 1.0
RIV 85.62 174 eP 13 22.00 1.8
iS 23 52.00
i 29 32.00
STK 86.75 166 iPc 13 25.30 -0.5
1.0s 15.20nm 5.2mb
iPP 16 20.10
eS 24 06.70
MEEK 87.22 145 eP 13 27.00 -1.2
CMS 87.58 170 eP 13 30.00 0.2
GBR 87.66 62 ePd 13 34.62 4.3X
KSU 87.98 62 P 13 36.59 4.8X
SGH 87.99 62 ePd 13 36.22 4.3X
DAF 88.10 62 ePd 13 36.71 4.3X
ARO 88.16 63 ePd 13 37.05 4.3X
ATA 88.26 63 ePd 13 37.52 4.4X
TDD 88.44 62 ePd 13 38.22 4.2X
MKL 88.46 63 iPd 13 38.48 4.4X
OBO 88.77 63 iPd 13 40.25 4.7X
ARMA 89.03 174 eP 13 37.00 0.0
1.0s 62.00nm 5.8mb
WARB 89.70 152 eP 13 40.00 -0.1
TIO 92.11 13 iP 13 53.50 2.6X
i 14 04.00 33kmX
MBL 92.75 145 eP 13 53.40 -0.7
0.7s 35.00nm 5.9mb
RUV 92.76 232 iP 13 56.10 1.9
1.3s 115.00nm 6.1mb
RMO 92.77 172 eP 13 54.00 -0.2
0.9s 57.00nm 6.0mb
i 17 35.80
VAH 92.81 232 iP 13 56.80 2.3X
1.3s 95.00nm 6.1mb
TPT 93.04 232 iP 13 57.70 2.2
1.3s 105.00nm 6.1mb
PMO 93.13 232 iP 13 58.10 2.2
1.3s 55.00nm 5.8mb
ASPA 93.65 158 iPc 13 57.20 -1.1
0.9s 60.50nm 6.0mb
iPP 17 44.70
iS 24 28.50
AVE 94.44 12 eP 13 59.00 -2.4
i 14 11.00 39kmX
IFR 94.91 14 eP 14 03.00 -0.8
i 14 19.00 55kmX
NKM 96.79 14 iP 14 00.00 -12.0X
DZM 97.22 188 iPc 14 14.80 0.1
WRA 97.36 158 P 14 14.60 -0.7
0.9s 9.60nm 5.4mb
WB2 97.36 158 eP 14 13.60 -1.7
0.9s 12.70nm 5.5mb
e 16 37.70 680kmX
eS 18 05.30
QIS 97.64 163 eP 14 16.00 -0.5
e 18 14.00
CTA 98.91 169 iPc 14 23.90 1.6
1.0s 63.00nm 6.2mb
CTAO 98.91 169 ePDIF 14 23.42 1.1
TOL 101.32 14 ePdiff14 44.00 11.4X
iS 26 24.00
EBR 102.85 17 (Pdiff14 44.00 4.7X
(S) 26 28.00
OHR 107.33 33 ePKP 19 22.80 14.8X
OUR 107.47 35 ePKP 19 26.32 18.1X
FIR 107.61 25 e(PKP)19 23.00 14.7X
TKL 108.44 311 ePKP 19 11.47 1.3
CVL 108.62 316 (PKP) 19 11.76 1.3
BBTK 109.71 42 ePdiff15 20.00 10.0X
TRI 109.99 26 e(Pdif15 16.00 5.1X
e(PP) 19 12.00
e(SP) 29 16.00
HYB 110.17 90 ePKP 19 13.50 -0.5
HRV 110.53 323 PKP 19 20.00 6.1X
Z 20s 3.26um 5.9Msz
MCWV 110.60 316 PKP 19 20.00 5.9X
Z 22s 3.43um 5.9Msz
PTJ 110.65 27 ePKP 19 15.10 0.9
KBA 111.20 25 iPKP 19 24.40 9.1X
1.5s 17.60nm
i 19 49.70
UYO 111.36 302 e(PKP)19 14.00 -1.8
MLR 112.79 34 ePKP 19 14.00 -4.3X
GEC2 112.96 25 PKP 19 17.00 -1.5
0.7s 0.96nm
FVM 113.02 307 PKP 19 30.00 11.2X
Z 21s 9.54um 6.4Msz
KHC 113.20 25 ePKP 18 57.00 -21.9X
1.3s 6.00nm
N 20s 2.20um
E 20s 4.20um
e 19 07.00
e 20 06.80
GRF 113.27 23 ePdiff15 29.00 3.5X
Z 20s 4.00um 6.0Msz
e 20 11.00
e 30 09.00
e 36 14.50
RSNY 113.28 322 PKP 19 30.00 10.9X
Z 20s 1.97um 5.7Msz
CCM 113.41 306 PKP 19 15.87 -3.7X
Z 21s 5.25um 6.1Msz
PP 20 10.35
SLM 113.52 307 PKP 19 30.00 10.2X
Z 19s 3.62um 6.0Msz
ERE 114.17 50 iPKP 19 26.00 4.9X
Z 17s 5.50um 6.2MszX
N 17s 7.50um
i 20 20.00
ePPP 22 50.00
e 26 03.00
iPS 29 58.00
iSS 36 18.00
PRU 114.22 25 ePKP 19 11.70 -9.1X
Z 20s 3.00um 5.9Msz
N 20s 2.40um
E 20s 1.90um
e 19 45.00
e 20 27.40
MOX 114.26 23 ePKP 19 21.00 0.1
Z 20s 2.90um 5.9Msz
N 20s 3.00um
ePP 20 30.00

PS 30 04.50
e 36 05.00
LQ 47 00.00
GRS 114.28 52 ePKP 19 21.00 -0.5
1.5s 30.00nm
Z 17s 7.45um 6.4MszX
N 15s 4.80um
E 15s 3.29um
UZH 114.72 31 iPKP 19 23.00 1.3
0.8s 25.00nm
N 17s 3.00um
E 17s 3.00um
e 30 08.00
e 31 20.00
SPC 114.74 29 e(PKP)19 25.20 3.2X
i 20 18.10
BRG 114.94 24 iPKP 19 23.00 0.9
Z 24s 4.50um 6.0MszX
N 20s 2.50um
E 20s 2.50um
e 20 08.00
ePKKP 30 04.00
KIS 115.01 36 ePKPd-19 19.00 -3.3X
i 20 29.00
CLL 115.16 23 ePKP 19 23.00 0.5
Z 19s 3.00um 5.9Msz
PKKP 29 59.00
QUE 115.32 73 iPKPd 19 25.70 1.9
1.0s 46.00nm
eS 30 11.70
KSP 115.39 26 ePKP 19 22.80 -0.2
OJC 115.59 28 ePKP 19 24.30 0.9
e 19 29.20
SHE 116.15 53 iPKP 19 27.50 2.8X
0.8s 50.00nm
Z 18s 10.00um 6.5Msz
N 18s 14.00um
E 18s 12.00um
KIV 116.77 47 ePdiff15 40.75 -0.6X
KIV 116.77 47 ePKP 19 27.84 1.9
eHPP 20 33.72
ePP 20 34.05
MAIO 117.03 64 ePKP 19 28.00 1.3
ALQ 117.24 293 PKP 19 40.00 12.7X
Z 20s 5.03um 6.1Msz
GRO 117.35 49 ePKP 19 27.00 0.1
1.0s 50.00nm
NDI 119.00 83 iPKP 19 30.90 0.4
0.7s 34.25nm
BDT 119.89 109 ePKP 19 32.50 0.1
GLD 120.67 297 PKP 19 40.00 6.4X
Z 18s 2.12um 5.8Msz
GOL 120.70 297 ePKPc 19 33.76 0.0
Z 21s 1.85um 5.7Msz
MNK 120.88 32 ePKP 19 35.00 1.8
CHG 121.22 108 ePKP 19 34.60 -0.4
1.5s 79.86nm
CHTO 121.22 108 ePKP 19 34.15 -0.8
ePP 21 02.21
eHPP 21 02.71
DMN 121.97 90 PKP 19 35.20 -1.4
GKN 122.07 89 PKP 19 34.20 -2.4X
PKI 122.09 90 PKP 19 34.20 -2.7X
KKN 122.21 90 PKP 19 34.60 -2.3X
SRU 122.51 293 ePKP 19 36.43 -0.7
ePP 21 14.85
GUN 122.60 91 PKP 19 35.60 -2.3X
ARUT 122.78 290 ePKP 19 38.60 0.9
ePP 21 14.27
MSU 122.78 291 ePKP 19 38.06 0.3
ISA 123.42 284 ePKP 19 39.73 0.9
HFS 123.65 21 ePKP 19 37.10 -1.3
0.5s 2.50nm
Z 18s 3.70um 6.1Msz
LR 00 22.00
DAU 123.90 293 ePKP 19 39.67 -0.3
ePP 21 23.73
NB2 124.10 19 PKP 19 38.70 -0.7
0.8s 20.60nm
UPP 124.11 23 iPKP 19 39.20 -0.1
GAR 124.13 70 ePKP 19 40.00 -0.3
i 21 24.00
OBN 124.43 36 iPKPc 19 40.00 -0.1
1.6s 120.00nm
Z 16s 2.90um 6.0MszX
N 18s 2.00um
E 16s 1.70um

e 26 36.00
e 31 32.00
DUG 124.43 292 ePKP 19 40.48 -0.3
ePP 21 28.78
TNP 124.78 287 ePKP 19 41.89 0.3
BW06 125.04 296 ePKPc 19 40.70 -1.3
BONR 125.19 286 ePKP 19 43.77 1.2
MOS 125.28 37 ePKP 19 43.00 1.3
2.0s 240.00nm
Z 18s 2.60um 5.9Msz
HVU 125.68 293 ePKP 19 43.15 -0.1
AKU 126.14 2 ePKP 19 45.80 2.7X
1.1s 25.32nm
NUR 126.14 26 iPKP 19 42.50 -0.8
0.8s 33.60nm
ARN 126.24 283 ePKP 19 45.90 1.6
OIZ 126.32 119 PKP 19 46.00 1.1
N 18s 3.92um
E 18s 2.10um
PUL 126.80 30 (PKP) 19 45.00 0.5
1.6s 140.00nm
Z 20s 3.80um 6.1Msz
N 20s 2.20um
E 20s 2.40um
i 19 52.00
i 19 54.00
e 21 51.00
e 38 50.00
KSH 127.14 74 PKP 19 47.70 1.6
Z 25s 5.50um 6.1MszX
E 17s 5.40um
HPI 127.35 294 ePKPd 19 47.54 1.0
ePP 21 47.14
KAF 127.94 26 iPKP 19 45.70 -0.9
0.9s 61.20nm
ORV 127.97 285 ePKP 19 48.20 0.7
ePP 21 50.44
KMI 128.42 108 PKPc 19 51.00 2.0
Z 20s 6.10um 6.3Msz
N 21s 3.50um
E 21s 5.00um
sPKP 20 03.50
PP 21 52.00
SS 39 13.00
LRM 128.71 296 ePKP 19 49.20 0.2
FRU 129.15 70 ePKP 19 50.00 0.4
Z 18s 4.40um 6.2Msz
N 18s 4.40um
E 18s 4.40um
e 20 05.40
e 22 00.00
e 39 48.00
LBFM 129.56 286 ePKP 19 52.20 1.5
HON 130.14 238 PKP 20 00.00 8.0X
Z 20s 3.78um 6.1Msz
PRZ 130.65 74 iPKP 19 54.00 1.3
1.4s 100.00nm
Z 20s 6.50um 6.3Msz
E 20s 6.10um
e 22 16.00
TLG 130.78 72 ePKP 19 53.00 0.2
Z 18s 2.30um 5.9Msz
N 17s 2.60um
E 20s 2.00um
e 39 49.00
TLG 130.78 72 ePKP 19 53.40 0.6
GYA 131.38 111 PKP 19 55.00 0.5
Z 32s 17.90um 6.6MszX
N 18s 3.45um
E 18s 2.55um
PP 22 12.00
GZH 131.40 120 PKP 19 55.00 0.6
Z 40s 8.06um 6.1MszX
N 18s 3.38um
E 18s 3.09um
ePP 22 10.00
SES 131.61 301 ePKP 19 53.00 -1.1
ARU 132.77 48 (PKP) 19 55.00 -1.0
e 20 07.00
e 34 15.00
DPW 132.83 294 ePKP 19 54.56 -1.9
LON 133.64 291 ePKP 19 57.77 -0.3
eHPP 22 31.65
ePP 22 32.75
iSKP 23 25.45
CD2 133.77 105 ePKP 19 57.20 -1.6
Z 20s 6.37um 6.3Msz

E 17s 4.00um
SKS 27 07.00
SVE 133.83 49 iPKPc 19 59.00 1.0
2.2s 120.00nm
e 20 12.60
e 34 30.00
eSS 40 56.00
BMW 134.09 289 ePKP 19 59.30 0.4
RMW 134.16 291 ePKP 19 59.16 0.1
PNT 134.53 295 ePKP 20 01.00 1.4
0.8s 11.00nm
GMW 134.68 291 ePKP 20 01.24 1.3
MCW 135.52 292 (PKP) 20 03.41 1.9
ePP 22 43.02
ENH 135.91 111 ePKP 20 02.93 0.2
eHPP 22 40.15
ePP 22 40.98
eSKP 23 41.12
WMQ 136.10 79 PKP 20 03.60 0.7
Z 22s 4.95um 6.2Msz
N 22s 6.00um
sPKP 20 16.00
SKS 27 10.00
DAG 137.26 1 ePKP 20 01.20 -2.8X
0.9s 15.13nm
Z 19s 2.22um 5.9Msz
N 20s 0.85um
LZH 138.04 101 PKP 20 07.00 0.1
Z 19s 3.79um 6.2Msz
N 16s 2.81um
PP 22 53.00
PKS 23 40.00
SKS 27 06.00
SKKS 29 45.00
SS 41 00.00
WHN 138.33 116 ePKP 20 07.00 -0.3
Z 20s 6.88um 6.4Msz
N 18s 4.05um
E 20s 2.46um
PP 22 58.00
GTA 138.70 94 PKP 20 03.00 -4.9X
Z 22s 7.64um 6.4Msz
N 20s 3.75um
PP 22 58.00
SS 41 16.00
YKA 141.43 312 ePKP 20 07.00 -4.9X
1.0s 11.50nm
NJ2 141.58 120 PKPc 20 08.00 -5.1X
N 18s 5.34um
E 18s 1.47um
SSE 141.72 124 PKP- 20 06.00 -7.4X
Z 20s 11.90um 6.6Msz
N 22s 4.90um
E 22s 0.25um
sPKP 21 22.00
PP 23 46.00
TIY 143.44 108 iPKPd 20 13.00 -3.3X
Z 20s 5.25um 6.3Msz
N 19s 3.78um
E 20s 2.49um
PP 23 32.00
SS 42 13.00
TIA 144.35 115 PKPd 20 16.00 -1.8
Z 20s 6.59um 6.4Msz
N 20s 4.11um
ePP 23 35.00
SS 42 18.00
BTO 144.58 102 iPKPc 20 17.00 -1.2
N 18s 3.77um
E 18s 1.47um
pPKP 20 28.00
PP 23 39.00
eSKKS 30 24.00
eSS 42 24.00
KAGJ 145.44 136 PKP 20 19.60 -0.2
HHC 145.51 104 PKP 20 19.60 -0.2
Z 46s 6.25um 6.0MszX
N 18s 2.66um
E 17s 1.66um
PP 23 45.00
SKKS 30 26.00
KUMJ 146.65 135 PKP 20 22.60 0.9
SIT 146.71 294 PKP 20 30.00 9.0X
Z 20s 3.07um 6.1Msz
BJI 147.04 110 ePKP 20 22.00 -0.1
Z 26s 4.00um 6.1MszX
N 17s 1.80um

ePP 23 48.00
MOY 147.99 80 ePKPc 20 23.90 0.7
2.0s 945.00nm
i 20 28.10
SHNJ 148.19 135 ePKP 20 27.10 3.0X
ZAK 148.28 84 ePKP 20 23.00 -0.7
2.0s 830.00nm
Z 20s 0.86um 5.5Msz
N 20s 2.59um
E 20s 2.59um
DL2 148.58 117 PKP 20 25.00 0.4
Z 24s 2.03um 5.8MszX
N 18s 1.79um
E 18s 3.56um
TKSJ 149.05 139 ePKP 20 27.00 1.5
MBC 149.40 332 ePKP 20 23.00 -1.8
1.5s 269.00nm
WKYJ 149.76 141 ePKP 20 30.50 3.8X
YONJ 149.97 137 ePKP 20 28.10 1.2
IRK 149.97 82 ePKP- 20 25.00 -1.4
1.7s 70.00nm
i 20 33.10
NRI 150.95 43 iPKPc-20 25.50 -1.8
1.5s 43.00nm
i 20 32.00
TSRJ 151.10 141 PKP 20 35.10 6.6X
SNY 151.82 116 iPKPd 20 30.00 0.6
Z 22s 3.01um 6.1Msz
N 20s 2.30um
E 20s 2.30um
sPKP 20 46.00
SKKS 31 08.00
BALM 151.85 297 ePKP 20 23.05 -6.0X
CHJJ 152.47 145 PKP 20 33.30 2.7X
MAT 152.70 143 (PKP) 20 31.00 0.1
Z 20s 3.19um 6.1Msz
NIIJ 153.58 144 PKP 20 39.00 6.9X
KLU 153.61 296 ePKP 20 28.05 -3.4X
iPKPab20 52.97
TOA 153.96 298 ePKP 20 38.70 6.8X
CN2 154.23 116 ePKP 20 33.00 0.3
Z 26s 3.67um 6.1MszX
N 17s 2.30um
E 17s 2.47um
epPKP 20 42.00
ePKPab20 55.40
ePP 24 30.00
eSS 44 03.00
CIT 154.35 90 ePKP 20 34.00 1.3
e 20 54.00
e 24 32.00
PMR 155.07 295 ePKP 20 29.99 -3.2X
Z 20s 3.03um 6.1Msz
FBA 155.56 303 ePKP 20 30.94 -2.9X
iPKPab21 00.57
MDJ 156.67 121 ePKP 20 35.30 -0.7
Z 44s 6.96um 6.1MszX
N 20s 4.19um
E 17s 1.78um
PKPab 21 04.00
PP 24 42.00
SDN 157.69 275 PKP 20 50.00 13.1X
Z 20s 3.17um 6.1Msz
BOD 157.74 78 ePKP 20 36.90 0.0
1.1s 20.00nm
IMA 158.21 305 ePKP 20 32.50 -4.9X
BRW 159.39 319 ePKP 20 34.19 -4.1X
ePKPab21 17.67
YSS 163.63 140 ePKP 20 41.80 -1.5
ePKPab21 34.44
TIK 164.16 34 iPKPc 20 41.00 -2.1
2.0s 41.00nm
i 21 40.00
i 25 24.00
YAK 166.41 72 ePKP 20 45.00 -0.3
1.0s 161.00nm
i 21 49.00
ILT 167.68 316 iPKPd 20 42.00 -4.0X
2.2s 112.00nm
e 20 53.00
i 21 53.40
ePPP 29 39.00
SMY 168.11 235 PKP 21 00.00 13.2X
Z 21s 4.88um
PET 172.26 183 ePKP 20 46.00 -2.9X
e 30 16.00
MGD 176.36 97 iPKP 20 48.00 -2.0

1.8s 110.00nm
i 26 24.00
S.D. = 1.1 on 185 of 262 obs.

& JUN 22, 1992 04h 58m 03.76s
59.466 N 148.027 W
DEPTH = 11.0km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 3.1 (AEIC), 2.9
(PMR).

MID 0.86 92 P 58 20.00 -0.3
S 58 32.20
SEW 0.96 312 iP 58 20.71 -1.2
eS 58 33.79
HIN 1.21 39 eP 58 24.38 -1.8
PTE 1.49 341 iP 58 28.54 -1.9
eS 58 47.43
SLKM 1.52 314 eP 58 29.29 -1.6
eS 58 48.63
CVA 1.58 46 eP 58 29.39 -2.3
NNL 1.75 291 eP 58 35.31 1.1
HOM 1.85 278 eP 58 33.53 -2.1
VLZ 1.87 26 eP 58 34.26 -1.7
KAIM 1.89 74 eP 58 34.37 -1.8
eS 58 58.27
PMS 1.94 338 P 58 34.90 -2.1
KNK 1.96 354 eP 58 35.48 -1.9
PMR 2.20 346 eP 58 40.20 -0.5
KLU 2.29 26 iP 58 40.27 -1.8
SML 2.36 356 eP 58 41.41 -1.6
GHO 2.36 350 eP 58 40.65 -2.4
PWA 2.38 338 P 58 42.50 -0.7
SCM 2.40 8 eP 58 42.46 -1.2
SUA 2.41 327 eP 58 43.02 -0.9
SYI 2.41 251 eP 58 42.35 -1.4
REF 2.56 296 eP 58 44.14 -1.9
RED 2.57 294 eP 58 44.54 -1.6
RSO 2.58 295 eP 58 45.41 -0.9
RS1 2.58 295 eP 58 45.55 -0.8
RS2 2.58 295 eP 58 45.42 -0.9
INE 2.62 285 eP 58 45.84 -1.0
SPU 2.64 312 eP 58 45.23 -1.8
INW 2.65 285 eP 58 45.87 -1.4
BKG 2.65 309 eP 58 44.07 -3.2
CKN 2.72 312 eP 58 48.13 0.0
CRP 2.73 313 P 58 48.20 -0.3
CKL 2.76 311 eP 58 46.72 -2.1
AUI 2.76 270 P 58 49.50 0.7
AUL 2.76 271 eP 58 48.71 -0.1
TOA 2.80 18 P 58 48.70 -0.6
BGL 2.82 312 eP 58 48.21 -1.4
NCG 2.82 315 eP 58 48.34 -1.4
GLB 2.88 45 eP 58 48.19 -2.3
eS 59 20.98
TZL 2.89 25 eP 58 49.90 -0.6
TGL 2.91 61 eP 58 48.16 -2.7
eS 59 21.24
CDD 2.94 262 eP 58 49.63 -1.6
SKT 3.05 327 eP 58 51.67 -1.2
CUT 3.15 341 eP 58 53.11 -1.0
MCNL 3.25 268 eP 58 54.07 -1.5
YAH 3.29 71 eP 58 55.40 -1.0
SDG 3.30 20 eP 58 55.14 -1.3
HUR 3.61 348 eP 59 00.16 -0.6
PAX 3.73 18 eP 59 01.00 -1.6
SVW 4.12 297 eP 59 13.80 5.8
TRF 4.14 346 eP 59 07.18 -1.3
KTH 4.33 343 eP 59 09.79 -1.3
HDA 4.98 5 eP 59 16.61 -3.6
WRH 5.02 360 eP 59 17.97 -2.8
NEA 5.15 355 eP 59 19.93 -2.7
CCB 5.20 1 eP 59 20.82 -2.5
FBA 5.46 1 P 59 24.20 -2.7
GLM 5.55 3 eP 59 25.61 -2.7
MLY 5.73 348 eP 59 28.42 -2.4
58 obs. associated

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* JUN 22, 1992 05h 28m 48.54± 0.51s
32.780 N ± 9.0km 141.628 E ± 9.4km
DEPTH = 33.0km (normal)
4.7mb (6 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 4.69 324 iPc 29 59.60 0.7
eS 30 55.00
GUN 47.90 280 P 37 26.00 0.0

0.6s 15.00nm 5.2mb
PKI 48.40 279 P 37 29.40 -0.5
KKN 48.43 280 P 37 30.00 0.0
0.8s 20.00nm 5.2mb
DMN 48.64 280 P 37 31.40 -0.3
GKN 48.89 280 P 37 33.60 0.1
WB2 52.89 189 eP 38 03.40 -0.1
0.9s 8.40nm 4.7mb
WRA 52.89 189 P 38 04.10 0.6
0.7s 4.40nm 4.5mb
MBC 60.55 16 eP 38 57.00 -0.5
YKA 67.41 29 eP 39 41.10 -1.4
0.9s 0.80nm 3.8mb
SES 75.32 39 eP 40 31.00 0.8
LRM 77.08 44 eP 40 41.10 0.7
e 40 53.80
NB2 78.18 338 P 40 45.90 0.0
0.7s 2.60nm 4.4mb
ZOBO 148.49 66 PKP 48 35.70 4.7X
S.D. = 0.7 on 13 of 14 obs.

% JUN 22, 1992 05h 33m 48.40± 0.97s
40.120 N ± 7.1km 28.944 E ± 7.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

KCT 0.47 286 iPg 33 57.70 -0.2
eSg 34 04.60
YLV 0.55 36 iPg 33 59.60 -0.1
eSg 34 05.70
DST 0.57 205 iPg 34 00.00 0.0
iSg 34 09.50
BNT 0.82 287 iPg 34 03.70 -0.6
EDC 0.86 286 ePg 34 05.00 0.1
CTT 1.10 339 iPg 34 09.20 0.2
KGT 1.30 285 ePn 34 13.00 0.6
S.D. = 0.4 on 7 of 7 obs.

JUN 22, 1992 06h 03m 31.06± 0.84s
53.323 N ± 7.1km 171.168 W ± 4.4km
DEPTH = 175.5 ± 7.5 km
4.6mb (36 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS (9)

ADK 3.66 249 eP 04 29.07 0.9
iS 05 12.30
SMY 8.90 272 eP 05 38.16 1.1
SVW 11.46 41 iPc 06 11.22 0.7
KDC 11.46 60 eP 06 07.60 -2.8
ANM 11.66 12 (P) 06 14.57 1.5
REF 12.35 47 ePc 06 21.31 -0.8
TTA 12.49 34 eP 06 24.44 0.7
CRP 12.96 45 eP 06 30.97 1.2
SLKM 13.47 49 (P) 06 34.36 -1.8
S 09 02.93
PMR 14.40 46 eP 06 46.56 -1.1
MID 14.99 56 eP 06 56.20 1.1
IMA 15.45 27 eP 07 02.03 1.2
KLU 15.78 49 eP 07 02.31 -2.6
S 09 50.29
TOA 15.89 47 eP 07 05.80 -0.4
FBA 16.56 36 eP 07 12.77 -1.5
0.6s 31.21nm 4.9mb
BALM 17.31 52 eP 07 22.61 -0.8
S 09 16.40
BRW 19.14 14 eP 07 43.13 0.5
SIT 20.64 65 (P) 07 58.13 0.3
0.8s 64.13nm 5.2mb
MBC 30.05 22 iPd 09 26.50 1.6
0.5s 22.00nm 5.1mb
YKA 30.45 50 eP 09 27.50 -1.1
0.5s 9.30nm 4.8mb
GMW 30.86 81 eP 09 33.11 0.8
LON 31.83 82 eP 09 41.48 0.6
SHW 31.87 83 (P) 09 41.98 0.7
PNT 31.89 76 iPc 09 42.30 1.0
0.6s 27.00nm 5.2mb
VGB 33.09 83 eP 09 52.20 0.4
DPW 33.40 78 (P) 09 54.08 -0.4
NEW 33.84 76 iPd 09 58.40 0.2
0.9s 87.72nm 5.4mb
SES 36.30 70 iPc 10 18.60 -0.3
0.7s 39.00nm 5.2mb
LRM 37.84 77 ePc 10 32.10 0.0
KVN 38.49 90 eP 10 38.23 0.6
HPI 38.65 80 ePd 10 39.63 0.7
MAT 38.67 265 (P) 10 37.00 -1.8

```
BONR    39.08   91 iPc     10 43.83    1.3
TNP     39.65   90 ePc     10 47.94    0.8
        1.9s     19.13nm            4.4mb
BCH     39.86   96 iPc     10 49.88    1.1
HVU     39.98   82 iPc     10 50.38    0.6
DUG     40.94   84 iPc     10 58.34    0.8
        0.6s     10.45nm            4.6mb
TPNV    40.97   91 iPc     10 58.95    1.0
FCC     41.17   50 ePc     11 00.30    1.3
BW06    41.29   79 eP      11 00.70    0.1
        0.7s     18.91nm            4.8mb
SSK     41.96   95 (P)     11 06.90    0.9
ARUT    42.10   88 ePc     11 07.72    0.5
MSU     42.39   86 iPc     11 10.41    0.8
SRU     42.99   84 iPc     11 14.79    0.4
GLA     44.48   94 eP      11 26.34    0.2
ULM     44.67   62 eP      11 28.00    0.6
GOL     45.67   80 eP      11 36.19    0.4
        0.9s     39.02nm            4.9mb
DAG     49.00    8 iPc     12 01.00    0.2
        0.8s     11.94nm            4.5mb
ACO     51.33   78 iPc     12 19.00   -0.1
SIO     53.65   77 eP      12 34.20   -2.0
TUL     53.83   77 iPc     12 35.20   -2.4
        0.7s     15.40nm            4.8mb
VVO     54.26   77 ePc     12 38.70   -2.0
FVM     55.49   71 iPc     12 47.43   -2.1
        0.6s     57.11nm            5.6mb
EEO     55.62   57 eP      12 50.00   -0.3
OLY     56.63   74 (P)     12 55.31   -2.3
PWLA    58.95   72 iPc     13 12.23   -1.6
CVL     62.10   63 eP      13 34.50   -0.5
LMN     62.99   49 eP      13 41.00    0.2
JSC     63.30   68 (P)     13 42.15   -0.8
NB2     65.97  359 P       13 59.20   -0.6
        0.7s      5.20nm            4.5mb
HFS     66.83  357 eP      14 04.50   -0.7
        0.6s     11.70nm            4.8mb
EKA     71.26    7 Pc      14 32.50    0.2
        0.5s      3.30nm            4.4mb
GUN     75.31  297 P       14 55.40   -1.3
        0.4s      9.00nm            4.9mb
KKN     75.73  297 P       14 57.20   -1.7
PKI     75.83  297 P       14 57.20   -2.4
GKN     75.90  298 P       14 58.00   -1.8
DMN     75.97  297 P       14 58.10   -2.2
FLN     77.99    6 eP      15 11.70    1.0
        0.5s      2.50nm            4.2mb
GEC2    78.13  357 P       15 09.80   -1.8
        0.6s      1.20nm            3.8mb
LDF     78.18    6 eP      15 12.10    0.4
        0.6s      6.50nm            4.5mb
GRR     78.33    7 eP      15 13.10    0.5
HAU     79.03    2 iPc     15 17.30    0.9
        0.6s      3.80nm            4.3mb
BSF     79.21    1 eP      15 18.30    0.8
        0.4s      2.40nm            4.3mb
LOR     79.70    3 eP      15 20.80    0.8
        0.6s      2.80nm            4.2mb
SSF     79.89    4 iPc     15 22.00    1.0
        0.5s      4.00nm            4.4mb
KBA     79.90  357 iPc     15 22.40    1.1
        0.7s      7.00nm            4.5mb
LBF     79.99    3 eP      15 22.20    0.6
        0.6s      4.25nm            4.4mb
AVF     80.16    4 eP      15 23.20    0.8
        0.6s      4.50nm            4.4mb
MFF     80.16    6 eP      15 23.50    1.1
        0.7s      8.80nm            4.6mb
SMF     80.32    3 iPc     15 24.10    0.8
        0.6s      6.30nm            4.5mb
TCF     80.61    5 iPc     15 25.60    0.8
LSF     80.61    5 iPc     15 25.70    0.9
        0.6s      7.50nm            4.6mb
MAF     80.69    4 eP      15 26.30    1.1
        0.7s      5.50nm            4.4mb
CAF     81.96    5 iPc     15 32.90    1.0
        0.7s      4.50nm            4.3mb
WB2     86.76  230 eP      15 56.10    0.0
        1.0s      7.80nm            4.5mb
WRA     86.76  230 P       15 56.50    0.4
        0.5s      3.10nm            4.4mb
ASPA    90.19  229 iPd     16 12.80    0.5
        1.1s     15.80nm            4.9mb
MAW    150.93  220 iPKPc   23 03.40    7.0X
        1.0s      9.00nm
     S.D. = 1.2  on  87 of  88 obs.
```

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------------------------------------------
? JUN 22, 1992 06h 04m 27.06± 7.47s
  32.618 S ±43.7km   70.794 W ±17.5km
  DEPTH =  77.8 ± 51.3 km
 CHILE-ARGENTINA BORDER REGION    (127)
      MD 3.3 (SAN).

JACH     0.18 111 iPc    04 38.90   -0.1
                  iS     04 47.40
ROCH     0.40 207 iPd    04 40.30    0.1
                  iS     04 50.10
PEL      0.53 170 iPd    04 41.00   -0.1
                  iS     04 51.30
FCH      0.82 149 iPd    04 44.80    0.3
                  iS     04 57.80
PCH      1.03 167 iPd    04 46.60   -0.1
                  iS     05 01.10
TACH     1.04 187 iPc    04 46.80    0.1
                  iS     05 01.00
CHCH     1.32 175 iPd    04 50.10   -0.2
                  iS     05 07.90
LNV      1.43 201 iPd    04 51.80    0.1
                  iS     05 09.80
      S.D. = 0.2  on   8 of   8 obs.
------------------------------------------
? JUN 22, 1992 08h 28m 54.03± 1.37s
  44.469 N ±11.9km    7.316 E ± 8.7km
  DEPTH =   5.0km  (geophysicist)
 NORTHERN ITALY                    (545)
      ML 2.0 (GEN).

PZZ      0.16 283 P      28 57.38    0.0
                  S      28 59.53
STV      0.22 178 P      28 58.44   -0.2
                  S      29 00.84
ENR      0.25 163 P      28 59.42    0.2
                  S      29 02.22
ROB      0.43 113 P      29 02.70   -0.1
      S.D. = 0.3  on   4 of   4 obs.
------------------------------------------
? JUN 22, 1992 09h 02m 25.10± 0.99s
  39.659 N ± 9.6km   29.412 E ± 9.6km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

DST      0.61 265 ePg    02 37.00   -0.4
                  eSg    02 46.00
ALT      0.81 138 ePn    02 41.00    0.1
YLV      0.91 358 ePn    02 42.20   -0.3
KCT      1.00 306 iPn    02 44.70    0.6
      S.D. = 0.8  on   4 of   4 obs.
------------------------------------------
* JUN 22, 1992 09h 03m 19.96± 0.68s
  37.795 N ±11.0km   72.253 E ± 9.8km
  DEPTH =  33.0km  (normal)
  4.6mb ( 9 obs.)
 TAJIKISTAN                        (715)

QUE      8.77 212 eP     05 28.40    0.8
                  e      05 39.50
                  eS     07 01.30
NDI      9.99 154 eP     05 46.70    2.4
        0.5s    24.65nm           5.7mb X
                  eS     07 27.80
MAIO    10.31 266 eP     05 47.00   -1.7
                  eS     07 35.00
GKN     14.25 130 P      06 41.40   -0.2
        0.4s    21.00nm           5.1mb
KKN     14.80 129 P      06 46.80   -2.1
        0.6s    26.00nm           4.8mb
DMN     14.83 130 P      06 49.60    0.4
        0.4s    20.00nm           4.8mb
PKI     15.04 129 P      06 51.80   -0.3
        0.4s    11.00nm           4.5mb
GUN     15.09 127 P      06 51.60   -1.2
        0.4s    10.00nm           4.5mb
HFS     42.68 321 eP     11 14.70   -0.2
        0.4s    11.90nm           5.0mb
NB2     43.96 322 P      11 25.40    0.1
        0.6s     3.30nm           4.3mb
MBC     66.00   3 eP     14 06.00    1.3
        0.6s     2.00nm           4.4mb
YKA     79.90   3 eP     15 27.00    0.6
        0.4s     0.50nm           3.9mb
      S.D. = 1.4  on  12 of  12 obs.
------------------------------------------
? JUN 22, 1992 09h 06m 46.16± 1.49s
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  21.474 S ±13.2km   69.071 W ±30.6km
  DEPTH =  33.0km  (normal)
 NORTHERN CHILE                    (123)

ANT      2.54 209 eP     07 26.00    0.0
CNCB     4.75  13 P      07 57.20   -0.7
LPB      5.00  11 P      08 03.00    1.7
ZOBO     5.23  10 P      08 03.80   -1.0
ARE      5.49 335 eP     08 08.00    0.0
                  eS     09 11.00
      S.D. = 1.5  on   5 of   5 obs.
------------------------------------------
? JUN 22, 1992 09h 10m 30.65± 3.49s
  20.061 S ±22.2km  177.716 W ±21.1km
  DEPTH = 627.4 ± 46.6 km
  4.7mb ( 7 obs.)
 FIJI ISLANDS REGION               (181)

DZM     14.92 260 iPc    13 39.10    1.5
WCZ     17.29 202 P      14 01.90    2.0
WLZ     18.67 197 P      14 13.60    0.9
NOZ     18.85 190 eP     14 12.30   -2.0
MNG     21.30 194 eP     14 33.20   -3.4X
THZ     23.05 198 P      14 51.00   -1.3
LTZ     24.17 198 P      14 59.40   -2.8
CTA     33.80 264 iPd    16 25.30    0.7
        0.4s   297.88nm          6.3mb X
PMG     35.51 282 eP     16 38.00   -0.7
STK     38.22 244 eP     17 01.80    1.1
        0.7s     3.40nm           4.0mb
QIS     39.95 262 iPc    17 14.00   -0.7
ASPA    44.88 256 iPd    17 53.50    0.2
        0.8s    39.90nm           4.9mb
                  iS     23 49.90
WB2     44.91 262 iPd    17 53.70    0.1
        0.5s    38.20nm           5.1mb
                  eS     23 39.00
WRA     44.92 262 P      17 54.00    0.4
        0.5s    11.50nm           4.6mb
MTN     49.43 270 eP     18 27.30   -0.2
        0.5s    57.00nm           5.3mb
MBL     58.12 257 eP     19 28.00   -0.5
MAT     70.02 323 eP     20 40.00   -2.7
        0.7s     6.85nm           4.2mb
SPA     70.06 180 iPc    20 45.00    2.2
        0.9s    13.64nm           4.4mb
PNT     86.14  34 eP     22 09.00    1.3
FBA     87.76  12 eP     22 15.30    0.3
KSP    147.35 343 iPKPc  29 08.50    5.7X
SPC    147.57 338 e(PKP) 29 07.70    4.2X
CLL    147.69 347 iPKPd  29 08.90    5.6X
        0.9s    23.00nm
BRG    147.90 346 iPKP   29 09.50    5.8X
        1.0s    10.00nm
PRU    148.58 345 ePKP   29 11.10    6.4X
                  e      29 16.60
ZST    149.48 340 ePKP   29 13.60    7.4X
                  e      33 06.80
GRF    149.59 349 ePKP   29 14.00    7.7X
KHC    149.61 345 ePKP   29 13.50    7.1X
        1.0s     7.00nm
                  e      29 21.30
GEC2   149.85 345 e(PKP) 29 13.20    6.4X
        0.8s     7.60nm
DOU    149.97 357 PKPc   29 14.50    7.7X
        0.7s     7.80nm
WLF    150.30 355 PKP    29 16.00    8.7X
      S.D. = 1.6  on  19 of  31 obs.
------------------------------------------
% JUN 22, 1992 09h 56m 09.27± 0.88s
  38.866 N ± 7.8km   27.390 E ±16.5km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

IZM      0.48 192 ePg    56 19.00    0.0
                  eSg    56 28.00
DST      1.21  52 ePn    56 31.80   -0.1
BNT      1.54  15 ePn    56 37.20    0.4
KCT      1.57  28 iPn    56 37.20    0.0
KGT      1.59 358 ePn    56 37.20   -0.2
      S.D. = 0.3  on   5 of   5 obs.
------------------------------------------
% JUN 22, 1992 10h 03m 06.45± 0.88s
  40.114 N ± 7.7km   28.983 E ± 6.8km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)
```

22d 10h

IZI 0.44 59 iPg 03 15.20 -0.2
iSg 03 21.70
KCT 0.50 286 iPg 03 16.60 0.0
YLV 0.54 33 iPg 03 17.70 0.3
DST 0.58 208 ePg 03 18.20 0.0
iSg 03 27.20
CTT 1.11 338 ePg 03 27.20 -0.2
eSg 03 42.20
S.D. = 0.3 on 5 of 5 obs.

• JUN 22, 1992 10h 36m 42.10± 1.00s
24.124 S ± 8.9km 66.736 W ±12.3km
DEPTH = 179.8 ± 13.5 km
4.7mb (3 obs.)
SALTA PROVINCE, ARGENTINA (129)

ANT 3.39 276 iPc 37 36.10 0.0
iS 38 13.20
RTLL 7.34 192 ePc 38 27.00 -0.7
CNCB 7.37 351 Pd 38 30.70 2.1
S 39 51.20
ZOBO 7.90 350 P 38 36.00 0.3
S 40 04.00
ARE 8.83 329 eP 38 46.00 -1.6
eS 40 20.00
SIV 9.68 34 P 38 58.40 -0.1
e 40 34.00
VAO 18.16 90 eP 40 43.80 0.1
e 40 45.20
ITR 31.06 65 eP 42 43.90 -1.5
SPA 66.02 180 iPd 47 11.70 0.5
0.8s 12.92nm 4.8mb
MAW 81.25 163 iPd 48 40.40 1.6
1.0s 20.00nm 4.8mb
YKA 94.32 340 eP 49 40.60 -1.0
0.6s 0.70nm 4.0mb
WRA 131.62 207 PKP 55 35.80 0.2
0.4s 2.50nm
S.D. = 1.3 on 12 of 12 obs.

JUN 22, 1992 11h 01m 48.05± 0.41s
46.251 N ± 3.8km 12.528 E ± 3.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.5 (VIE), MD 3.0 (LJU), 2.3
(TRI).

VVI 0.28 195 P 01 53.50 -0.4
eSg 01 58.70
FVI 0.38 27 P 01 54.90 -1.0
eSg 02 00.80
CTI 0.64 252 P 02 00.90 -0.1
eSg 02 09.80
VOY 0.97 103 ePg 02 06.70 0.1
eSg 02 21.10
KBA 1.00 34 iPgc 02 07.50 0.4
i 02 17.70
iSg 02 20.00
TRI 1.02 122 iPgc 02 07.70 0.4
iSg 02 22.90
WTTA 1.18 329 iPgc 02 10.20 -0.1
iSg 02 25.80
OGA 1.21 301 ePg 02 10.60 -0.1
WATA 1.27 329 iPgc 02 12.00 0.3
SOTA 1.33 317 iPgd 02 12.60 0.0
iSg 02 30.70
MOTA 1.47 319 iPgc 02 15.20 0.5
iSg 02 35.70
RIY 1.59 124 e(Pn) 02 16.20 0.0
iSn 02 39.70
S.D. = 0.5 on 12 of 12 obs.

? JUN 22, 1992 11h 11m 51.59± 1.63s
5.965 N ±19.9km 126.693 E ±43.4km
DEPTH = 100.3 ± 26.4 km
4.2mb (1 obs.)
MINDANAO, PHILIPPINE ISLANDS (259)

BIP 2.29 349 ePd 12 28.50 0.0
CGP 3.17 321 eP 12 43.50 3.1X
eS 13 31.00
WB2 26.83 164 eP 17 23.60 -0.9
0.6s 4.40nm 4.2mb
MRWA 36.46 196 eP 18 49.00 0.4
LZH 36.58 328 eP 18 51.00 1.2
MUN 39.03 194 eP 19 11.00 0.9
GUN 44.42 304 P 19 54.60 -0.1
0.6s 11.00nm 4.9mb X
PKI 44.68 304 P 19 56.20 -0.6
KKN 44.87 304 P 19 57.80 -0.3
DMN 44.95 304 P 19 58.20 -0.6
S.D. = 0.9 on 9 of 10 obs.

% JUN 22, 1992 11h 17m 55.73± 0.76s
38.868 N ± 6.3km 27.424 E ± 9.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.49 195 ePg 18 05.60 0.0
eSg 18 14.10
DST 1.19 51 iPn 18 18.10 0.1
EZN 1.28 319 ePn 18 19.50 0.0
BNT 1.53 14 iPn 18 22.60 -0.6
KCT 1.56 27 iPn 18 23.60 0.1
KGT 1.58 357 iPn 18 24.20 0.3
S.D. = 0.4 on 6 of 6 obs.

% JUN 22, 1992 12h 13m 45.41± 0.76s
39.467 N ± 6.6km 2.985 W ± 9.9km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 2.5 (MDD).

EVIA 0.91 155 ePg 14 02.15 -0.7
eSg 14 14.90
EBAN 1.44 206 ePn 14 11.20 -0.4
eSn 14 30.90
GUD 1.48 323 ePn 14 12.42 0.3
eSn 14 31.60
ETOR 1.53 28 ePn 14 12.35 -0.5
eSn 14 32.00
ECHE 1.57 85 ePn 14 13.73 0.4
EHUE 1.68 169 ePn 14 16.01 1.0
eSn 14 37.80
S.D. = 0.8 on 6 of 6 obs.

JUN 22, 1992 13h 47m 58.81± 0.63s
37.669 S ± 5.5km 176.979 E ± 7.0km
DEPTH = 28.8 ± 5.0 km
4.4mb (4 obs.) 4.4Msz (1 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.4 (WEL).

WIZ 0.22 50 eP 48 06.50 1.4
TAZ 0.67 213 P 48 12.50 0.5
UTU 0.80 231 eP 48 15.20 1.1
PATZ 0.91 218 eP 48 16.50 0.8
PUZ 1.09 112 P 48 16.70 -1.5
eS 48 31.50
WLZ 1.12 261 P 48 18.80 0.3
PAHZ 1.19 177 P 48 19.70 0.1
NOZ 1.26 139 Pc 48 21.30 0.8
WHH 1.27 197 eP 48 20.80 0.0
KUZ 1.36 312 Pc 48 20.50 -1.5
MAHZ 1.67 155 P 48 27.30 0.8
TTH 1.87 184 eP 48 31.40 2.0
MOZ 1.91 243 P 48 30.70 0.7
WAHZ 2.08 193 P 48 33.80 1.3
WCZ 2.73 308 P 48 40.40 -1.2
PGZ 3.00 190 eP 48 44.80 -0.6
MNG 3.17 201 eP 48 47.00 -0.8
KIW 3.57 206 eP 48 53.40 -0.2
OUZ 3.66 311 eP 48 54.00 -0.8
MTW 3.67 198 eP 48 53.00 -1.9
AMW 3.76 194 P 48 54.40 -1.7
BLW 3.87 197 P 48 57.70 -0.1
MRW 3.97 206 eP 48 59.60 0.4
SNZO 4.04 205 P 49 10.00 9.8X
TCW 4.11 210 eP 48 59.40 -1.8
ASPA 39.25 278 iPc 55 29.10 2.5
1.4s 12.80nm 4.5mb
Z 19s 0.50um 4.4Msz
WB2 40.92 283 P 55 40.30 0.0
1.1s 8.10nm 4.4mb
WRA 40.93 283 P 55 42.00 1.6
0.6s 1.50nm 3.9mb
SPA 52.52 180 iPc 57 15.40 4.0X
1.1s 13.10nm 4.8mb
KIC 148.80 177 PKP 07 48.40 6.8X
TIC 149.06 176 PKP 07 49.20 7.2X
S.D. = 1.3 on 27 of 31 obs.

JUN 22, 1992 14h 04m 59.54± 0.65s
37.572 S ± 7.6km 177.034 E ± 6.6km
DEPTH = 31.1 ± 6.2 km
3.5mb (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)
ML 3.8 (WEL).

WIZ 0.13 71 P 05 07.40 2.2
TAZ 0.78 212 P 05 13.80 -0.4
HBZ 1.01 92 P 05 16.20 -1.3
PATZ 1.01 217 P 05 18.00 0.3
PUZ 1.09 118 P 05 17.80 -0.9
WLZ 1.18 256 P 05 19.40 -0.5
PAHZ 1.29 179 P 05 20.90 -0.6
NOZ 1.31 143 P 05 22.50 0.7
KUZ 1.33 308 P 05 21.50 -0.6
MAHZ 1.75 158 eP 05 27.90 -0.2
TTH 1.97 185 P 05 32.10 0.7
MOZ 1.99 241 P 05 31.40 -0.3
WAHZ 2.19 194 eP 05 34.60 0.1
WCZ 2.70 306 eP 05 40.70 -1.1
WRA 40.95 283 P 12 43.20 2.2
0.9s 0.80nm 3.5mb
S.D. = 1.2 on 15 of 15 obs.

? JUN 22, 1992 14h 31m 54.37± 6.18s
21.484 S ±31.8km 179.194 W ±44.3km
DEPTH = 528.3 ± 57.8 km
4.4mb (6 obs.)
FIJI ISLANDS REGION (181)

DZM 13.36 265 iPc 34 47.40 -0.3
CAN 31.04 237 eP 37 30.70 0.3
BWA 31.24 239 eP 37 30.40 -1.7
CTA 32.30 266 iPc 37 42.10 1.1
0.5s 29.58nm 5.1mb
TOO 34.42 234 iPd 37 59.60 0.8
0.6s 28.00nm 5.0mb
STK 36.36 245 eP 38 15.70 0.9
0.9s 3.90nm 4.0mb
ASPA 43.22 258 iPc 39 10.40 0.1
0.8s 7.00nm 4.2mb
WB2 43.36 263 iPd 39 10.90 -0.5
0.6s 6.50nm 4.3mb
WRA 43.37 263 P 39 11.40 -0.1
0.5s 3.20nm 4.1mb
MBL 56.46 258 eP 40 47.30 -0.8
CLL 148.74 345 iPKP 50 39.60 1.3
i 50 44.10
KHC 150.60 343 ePKP 50 40.00 -1.3
e 50 53.00
GEC2 150.82 342 PKP 50 41.70 0.0
0.7s 1.16nm
S.D. = 1.0 on 13 of 13 obs.

? JUN 22, 1992 14h 47m 20.00± 1.89s
35.944 N ±15.4km 22.607 E ±14.9km
DEPTH = 10.0km (geophysicist)
CENTRAL MEDITERRANEAN SEA (400)
ML 3.3 (ATH).

VLI 0.82 19 ePg 47 36.00 0.2
ATH 2.21 23 ePn 47 57.00 -0.2
eSn 48 29.00
NPS 2.54 105 ePn 48 02.00 0.0
VLS 2.75 325 ePn 48 05.00 0.0
KEK 4.37 330 ePb 48 34.50 6.6X
KZN 4.40 352 ePn 48 31.00 2.5X
OHR 5.35 345 e(Pn) 48 49.70 7.8X
S.D. = 0.3 on 4 of 7 obs.

JUN 22, 1992 14h 55m 42.54± 0.61s
37.658 S ± 5.3km 176.976 E ± 6.7km
DEPTH = 23.9 ± 4.9 km
4.5mb (3 obs.)
NORTH ISLAND, NEW ZEALAND (159)
ML 4.4 (WEL).

WIZ 0.21 53 eP 55 50.10 1.9
TAZ 0.68 213 eP 55 56.30 0.6
UTU 0.81 230 eP 55 58.90 1.1
PATZ 0.92 218 eP 56 00.00 0.3
PUZ 1.10 113 eP 56 00.40 -2.0
eS 56 13.80
WLZ 1.12 260 eP 56 01.50 -1.2
PAHZ 1.20 177 eP 56 03.40 -0.5
NOZ 1.27 139 eP 56 04.80 0.0
WHH 1.28 197 eP 56 05.10 0.0
KUZ 1.35 312 P 56 04.50 -1.5

MAHZ 1.68 155 eP 56 11.20 0.4
TTH 1.88 184 eP 56 14.70 1.0
MOZ 1.91 243 eP 56 13.10 -1.0
WAHZ 2.09 193 eP 56 16.80 0.0
WCZ 2.72 308 P 56 24.40 -1.2
PGZ 3.01 190 eP 56 28.80 -0.8
MNG 3.18 201 eP 56 30.70 -1.4
KIW 3.58 206 eP 56 37.60 -0.3
OUZ 3.65 311 eP 56 37.80 -1.1
MTW 3.68 198 eP 56 37.90 -1.3
CAW 3.75 203 eP 56 39.30 -0.9
AMW 3.77 194 eP 56 38.90 -1.5
BLW 3.88 197 P 56 39.80 -2.3
MRW 3.98 206 eP 56 43.10 -0.3
SNZO 4.05 205 P 56 53.00 8.6X
ASPA 39.25 278 iPd 03 12.50 1.5
0.9s 11.10nm 4.6mb
WB2 40.92 283 iPd 03 26.30 1.6
0.9s 11.50nm 4.6mb
WRA 40.92 283 P 03 26.50 1.7
0.9s 6.20nm 4.3mb
KIC 148.81 177 PKP 15 32.80 6.7X
S.D. = 1.3 on 27 of 29 obs.

JUN 22, 1992 14h 57m 16.84± 0.24s
30.557 N ± 4.2km 141.654 E ± 4.7km
DEPTH = 41.3km (8 depth phases)
5.0mb (54 obs.) 4.7Msz (8 obs.)
SOUTH OF HONSHU, JAPAN (211)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 9C
Centroid Location:
Origin Time 14:57:21.0 1.1
Lat 30.55N FIX;Lon 141.64E FIX
Dep 33.0 FIX Half-duration 1.1
Moment Tensor; Scale 10**16 Nm
Mrr= 2.08 1.12 Mtt= 0.40 1.84
Mff=-2.48 0.83 Mrt= 3.76 1.69
Mrf= 2.09 1.30 Mtf= 0.22 0.97
Principal Axes:
T Val= 5.49 Plg=51 Azm=339
N -1.63 20 223
P -3.86 32 120
Best Double Couple:Mo=4.7*10**16
NP1:Strike=163 Dip=22 Slip= 28
NP2: 47 80 110

MAT 6.63 335 iPc 58 52.70 -1.6
0.5s 119.72nm 5.9mb
iS 00 07.90
VLA 14.76 331 eP 00 49.00 4.6X
1.0s 45.00nm 4.8mb
KUR 15.44 17 eP 00 57.20 3.9X
1.0s 380.00nm 5.6mb
YSS 16.46 3 eP 01 00.00 -6.2X
0.8s 40.00nm 4.6mb
Z 15s 0.80um 4.1Msz
N 15s 0.60um
E 15s 0.50um
MDJ 16.95 329 eP 01 09.10 -3.3X
1.1s 87.00nm 4.8mb
Z 20s 1.23um 5.4Msz
N 14s 0.86um
E 12s 0.40um
GUMO 17.15 169 e(P) 01 15.80 0.7
GUA 17.20 169 e(P) 01 14.30 -1.5
SSE 17.59 277 Pc 01 22.70 2.2
1.0s 45.00nm 4.6mb
Z 18s 1.80um 4.1MszX
N 14s 0.70um
E 16s 1.00um
SNY 18.38 313 eP 01 29.20 -1.0
1.4s 47.00nm 4.5mb
Z 16s 1.65um 4.6Msz
E 13s 0.83um
pP 01 34.40
sP 01 38.00
S 04 56.00
DL2 18.42 302 eP 01 32.00 1.3
Z 16s 1.17um
E 14s 1.36um
CN2 18.44 320 Pd 01 29.60 -1.2
1.2s 110.00nm 4.9mb
Z 16s 1.35um 3.6Msz
N 14s 0.70um
E 14s 0.84um

epP 01 40.00
esP 01 46.00
TATO 18.68 258 iP 01 35.90 1.9
0.9s 143.22nm 5.2mb
NJ2 19.54 280 Pd 01 44.50 0.7
1.0s 45.00nm 4.7mb
E 18s 1.34um
TIA 21.22 292 eP 02 01.50 0.2
Z 16s 2.09um 4.6MszX
E 14s 1.19um
S 05 47.00
PIP 22.65 242 eP 02 15.30 -0.2
BJI 22.78 301 eP 02 16.00 -0.7
1.0s 66.00nm 5.0mb
Z 18s 2.10um 4.6Msz
E 16s 1.50um
eS 06 20.00
WHN 23.50 277 eP 02 24.50 0.7
0.7s 20.00nm 4.7mb
Z 18s 1.81um 4.6Msz
N 14s 0.69um
E 16s 1.29um
TIY 25.15 294 iPc 02 39.80 0.0
1.2s 91.00nm 5.2mb
Z 20s 1.88um 4.6Msz
E 18s 1.46um
HHC 26.39 301 Pc 02 50.00 -1.3
0.8s 26.00nm 4.9mb
Z 18s 3.26um 4.9Msz
N 15s 0.64um
E 17s 1.63um
CGP 27.11 219 eP 02 56.50 -1.4
BTO 27.48 300 P 03 01.00 -0.3
XAN 27.82 286 eP 03 03.50 -0.8
0.8s 33.00nm 5.0mb
MGD 30.18 9 eP 03 21.00 -4.1X
ePPP 04 42.00
eS 08 19.00
eSSS 10 15.00
LZH 31.93 290 eP 03 40.00 -1.0
1.5s 51.00nm 5.2mb
Z 16s 0.73um 4.5MszX
YAK 32.42 350 eP 03 43.00 -1.7
1.1s 55.00nm 5.3mb
CD2 32.47 280 eP 03 44.40 -1.2
0.6s 22.00nm 5.2mb
Z 18s 1.37um 4.7Msz
eS 09 03.00
SEY 33.09 9 eP 03 50.00 -0.5
BOD 33.21 333 eP 03 51.90 0.3
1.1s 30.00nm 5.1mb
ZAK 34.76 316 iPc 04 06.00 0.9
1.6s 81.00nm 5.4mb
Z 14s 0.49um 4.4MszX
N 14s 0.95um
E 15s 0.77um
IRK 34.87 319 eP+ 04 07.00 0.9
Z 16s 0.55um 4.4MszX
N 15s 0.17um
E 16s 0.42um
GTA 35.14 296 Pc 04 07.50 -1.2
1.0s 33.00nm 5.2mb
Z 16s 0.91um 4.6MszX
E 15s 1.19um
MOY 36.56 317 ePc 04 21.20 0.9
1.2s 52.00nm 5.3mb
ADK 37.21 43 eP 04 22.54 -3.2X
LOE 38.55 259 eP 04 37.50 0.0
CHG 40.31 263 eP 04 52.00 -0.1
1.0s 24.00nm 4.9mb
TIK 41.72 354 iPd 05 02.00 -0.9
0.8s 5.00nm 4.3mb
e 05 13.00 39km
i 06 47.00
LSA 43.39 282 eP 05 18.70 1.0
ILT 43.98 20 iP 05 20.00 -1.4
i 05 31.80 42km
WMQ 44.24 303 P 05 25.00 1.0
1.5s 40.00nm 5.0mb
Z 16s 0.73um 4.7MszX
MTN 44.32 195 eP 05 24.00 -0.7
ELT 45.67 316 iP 05 35.50 0.4
eS 12 16.80
IPM 46.15 244 ePc 05 42.90 3.5X
UKR 46.39 313 iP 05 40.50 -0.3
eS 12 27.20
eScS 15 33.80

NVS 47.60 318 iP 05 50.30 0.0
e 07 40.30 616kmX
GUN 48.32 282 P 05 55.00 -1.8
PKI 48.82 281 P 05 59.20 -1.4
0.8s 19.00nm 5.2mb
KKN 48.87 282 P 05 59.80 -1.0
0.8s 43.00nm 5.5mb
DMN 49.07 281 P 06 01.20 -1.2
NRI 49.12 338 iPd 06 00.00 -1.9
1.0s 15.00nm 5.0mb
i 06 06.00 20kmX
i 07 28.00
GKN 49.35 282 P 06 03.40 -1.0
CTA 50.55 174 eP 06 13.40 0.1
1.3s 90.38nm 5.6mb
WB2 50.70 189 iPd 06 13.80 -0.7
0.8s 42.20nm 5.5mb
i 06 26.40 46km
eS 11 24.00
WRA 50.70 189 P 06 13.90 -0.6
0.9s 21.90nm 5.2mb
QIS 50.86 182 eP 06 14.00 -1.6
KDC 51.96 38 (P) 06 16.15 -7.5X
IMA 52.24 28 eP 06 20.63 -5.2X
1.0s 3.23nm 4.3mb
i 06 37.06 63kmX
CPKM 52.29 34 eP 06 27.92 1.5
i 06 38.22 35km
KSH 53.47 299 P 06 36.70 1.4
0.5s 40.00nm 5.7mb
PMR 53.80 34 (P) 06 35.32 -1.8
0.9s 10.97nm 4.9mb
FRU 53.83 303 iPc 06 39.00 1.3
1.8s 80.00nm 5.4mb
e 06 50.40 39km
e 07 39.20
ASPA 54.42 189 iPc 06 41.00 -1.2
0.8s 18.50nm 5.2mb
Z 18s 0.50um 4.6Msz
KLU 55.33 34 eP 06 50.33 1.7
NDI 55.35 286 iPc 06 48.20 -0.8
DZM 57.49 153 iPc 07 05.50 1.1
GAR 57.85 299 iP 07 07.00 0.2
SVE 60.23 321 iPc 07 23.00 0.1
1.2s 100.00nm 5.8mb
ARU 61.42 321 iPc 07 30.80 -0.2
1.0s 90.00nm 5.9mb
e 07 36.00 17kmX
i 07 43.00
e 08 13.00
STK 62.10 180 iPc 07 35.80 0.1
0.5s 4.00nm 4.8mb
FORT 62.35 193 eP 07 36.00 -1.4
MBC 62.68 15 eP 07 38.00 -1.2
1.0s 2.00nm 4.2mb
QUE 63.25 291 eP 07 44.80 1.0
BWA 64.95 174 eP 07 55.10 0.7
epP 08 07.60 43km
CAN 65.89 173 eP 08 02.50 2.0
epP 08 14.20 39km
MAIO 66.85 299 iPc 08 08.20 1.4
0.9s 10.23nm 4.9mb
ASH 67.09 302 eP 08 10.00 1.8
APA 68.72 337 iPc 08 17.50 -0.5
YKA 69.34 29 eP 08 22.60 0.8
1.2s 4.00nm 4.3mb
GMW 71.61 45 (P) 08 33.01 -2.9X
DAG 72.24 355 eP 08 39.00 -0.1
1.1s 21.52nm 5.0mb
MOS 72.61 325 eP 08 42.00 0.4
Z 17s 0.70um 5.0MszX
e 08 50.00 26kmX
e 09 04.00
OBN 73.43 325 iPd 08 47.00 0.6
1.0s 35.00nm 5.3mb
e 08 54.00 23kmX
e 09 07.00
KAF 74.17 334 iP 08 50.40 -0.2
0.6s 13.90nm 5.1mb
DPW 74.23 44 (P) 08 54.86 3.5X
LBFM 74.94 51 (P) 09 04.09 8.4X
GRS 75.01 307 iPc 08 57.00 0.9
1.2s 40.00nm 5.3mb
KIV 75.36 312 iPc 08 59.20 1.2
Z 20s 0.56um 4.9Msz
NUR 75.77 333 eP 09 00.00 0.2
0.7s 14.60nm 5.1mb

22d 15h

ORV 76.03 52 (P) 09 00.39 -1.3
SES 77.03 39 eP 09 07.00 -0.1
LRM 78.67 43 eP 09 16.00 -0.5
UPP 78.87 335 iP 09 17.10 0.2
HPI 79.41 45 (P) 09 23.76 3.2X
TNP 79.67 52 (P) 09 12.36 -9.7X
HFS 80.07 336 eP 09 23.20 -0.2
0.9s 8.10nm 4.7mb
Z 18s 0.30um 4.7Msz
LR 43 08.00
NB2 80.24 338 P 09 24.40 0.0
0.9s 13.00nm 4.9mb
HVU 80.64 47 eP 09 27.39 0.3
DUG 81.47 48 eP 09 30.85 -0.6
1.3s 11.19nm 4.7mb
DAU 82.35 47 eP 09 30.33 -5.9X
ARUT 82.37 51 (P) 09 36.07 -0.1
MSU 82.81 49 (P) 09 34.89 -3.6X
EMUT 82.97 48 eP 09 40.72 1.4
SRU 83.55 48 P 09 42.51 0.3
VRI 83.81 320 ePd 09 41.00 -2.2
OJC 84.54 327 eP 09 47.50 0.8
e 10 01.50 48km
SPC 85.02 326 eP 10 02.00 12.6X
e 35 16.30
KSP 85.72 329 eP 09 52.70 0.1
i 09 53.70 3kmX
BRG 86.73 330 eP 10 10.80 13.2X
e 13 16.00
ZST 87.21 327 eP 10 00.50 0.5
e 35 09.50
e 35 27.70
e 36 26.60
KHC 88.17 329 eP 10 04.90 0.3
1.5s 8.50nm 4.8mb
e 10 25.00 73kmX
GEC2 88.32 329 PKP 10 03.40 -2.1
0.8s 1.40nm 4.3mb
SKO 89.24 320 eP 10 10.00 0.2
LOR 93.71 333 eP 10 32.10 1.7
SSF 94.02 333 eP 10 33.60 1.8
1.1s 14.40nm 5.3mb
AVF 94.30 333 eP 10 34.10 1.0
0.8s 7.40nm 5.2mb
ARE 146.67 73 ePKP 17 01.00 6.0X
ZOBO 149.32 69 PKP 17 01.00 1.4
1.1s 23.20nm
LPB 149.47 70 ePKP 17 00.00 0.4
CNCB 149.72 70 PKP 17 02.00 1.9
S.D. = 1.1 on 99 of 118 obs.

% JUN 22, 1992 15h 04m 36.95± 0.98s
37.542 S ± 8.0km 177.058 E ± 6.1km
DEPTH = 58.1 ± 14.5 km
OFF E. COAST OF N. ISLAND, N.Z. (160)

WIZ 0.11 82 eP 04 45.90 0.2
TAZ 0.82 212 eP 04 51.70 -0.9
UTU 0.93 227 eP 04 54.90 0.7
PATZ 1.05 217 eP 04 55.50 -0.3
PUZ 1.09 120 P 04 55.60 -0.7
eS 05 10.20
WLZ 1.20 255 eP 04 57.60 -0.2
eS 05 14.50
PAHZ 1.31 180 eP 04 59.50 0.1
NOZ 1.32 145 eP 05 00.20 0.8
KUZ 1.33 306 P 04 59.70 0.1
MAHZ 1.77 159 eP 05 05.30 -0.3
TTH 2.00 185 eP 05 09.60 0.7
WAHZ 2.22 194 P 05 12.80 0.7
BSZ 2.80 216 eP 05 20.10 -0.1
PGZ 3.13 191 eP 05 24.20 -0.7
S.D. = 0.6 on 14 of 14 obs.

JUN 22, 1992 15h 17m 43.34± 0.12s
16.867 N ± 2.6km 147.009 E ± 2.9km
DEPTH = 65.5km (24 depth phases)
5.7mb (101 obs.)
MARIANA ISLANDS REGION (215)
Mo=5.0*10**17 Nm (PPT).
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=325 Dip=70 Slip=90
NP2: 145 20 90
Principal Axes:
T Plg=65 Azm=235
P 25 55
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 13 Focal mech. M
Energy 1.1±0.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 33 No. of sta: 15
Moment Tensor; Scale 10**17 Nm
Mrr= 2.82 Mtt=-0.15
Mff=-2.67 Mrt=-1.83
Mrf= 2.76 Mtf= 1.05
Principal axes:
T Val= 4.36 Plg=65 Azm=227
N 0.13 7 333
P -4.49 24 66
Best Double Couple:Mo=4.4*10**17
NP1:Strike=171 Dip=22 Slip= 110
NP2: 330 69 82
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 65C
Centroid Location:
Origin Time 15:17:42.6 0.3
Lat 16.91N 0.04 Lon 147.47E 0.04
Dep 46.3 4.7 Half-duration 2.9
Moment Tensor; Scale 10**17 Nm
Mrr= 0.22 0.10 Mtt=-1.96 0.14
Mff= 1.74 0.13 Mrt=-1.77 0.20
Mrf= 3.07 0.25 Mtf= 1.31 0.13
Principal Axes:
T Val= 4.14 Plg=38 Azm=269
N 0.13 32 149
P -4.28 35 33
Best Double Couple:Mo=4.2*10**17
NP1:Strike= 63 Dip=33 Slip= 3
NP2: 330 88 122

GUMO 3.86 213 eP 18 40.80 -0.8
i 18 42.30
i 18 46.00
i 18 54.00
i 19 08.50
eS 19 23.50
(PcP) 25 57.00
PJG 3.86 213 eP 18 41.50 -0.1
i 18 42.00
GUA 3.88 212 eP 18 41.50 -0.4
WWKK 20.63 190 eP 22 21.10 1.2
MAT 21.09 340 iPc 22 23.00 -1.4
Z 20s 6.38um 5.0Msz
eS 26 14.00
RAB 21.54 166 eP 22 29.00 0.0
0.4s 494.92nm 6.2mb
eS 26 32.00
BIP 21.99 250 iPd 22 34.00 0.5
PLP 22.10 258 ePd 22 36.50 1.9
MNDI 23.11 189 eP 22 41.00 -3.8X
CGP 23.30 252 iPc 22 47.00 0.7
LAT 23.37 180 eP 22 48.00 1.0
TATO 25.13 293 ePc 23 04.09 0.2
PIP 25.19 277 ePc 23 04.20 -0.2
TGY 25.27 267 ePd 23 08.00 2.8X
BCP 25.29 273 eP 23 10.20 4.8X
PGP 25.36 266 ePc 23 07.00 1.0
PMG 26.11 180 eP 23 12.00 -1.0
SAP 26.55 351 eP 23 18.00 1.2
eS 27 48.00
SSE 27.43 306 ePc 23 22.98 -2.0
1.0s 63.00nm 5.2mb
Z 22s 5.50um 5.1Msz
N 14s 2.40um
E 16s 2.50um
QZH 27.69 292 P 23 26.00 -1.4
0.7s 75.00nm 5.4mb
Z 24s 10.50um 5.3MszX
E 21s 9.40um
PP 24 14.00
S 28 03.00
KUR 28.29 1 eP 23 33.00 0.5
1.0s 380.00nm 6.0mb
Z 19s 3.60um 5.0Msz
N 19s 3.00um
E 19s 1.50um
eS 28 16.00
HNR 29.10 153 eP 23 39.00 -1.1
NJ2 29.64 306 Pc 23 44.50 -0.3
N 15s 2.31um
E 15s 4.10um
YSS 30.27 354 iPd- 23 49.20 -1.0
1.0s 90.00nm 5.5mb
Z 18s 2.40um 4.9Msz
e 24 03.80 59km
e 26 50.00
iS 28 46.00
eSSS 30 52.00
DL2 31.20 320 eP 23 57.50 -1.0
Z 20s 3.36um 5.0Msz
N 14s 1.81um
E 15s 2.68um
MDJ 31.31 336 ePc 23 58.30 -1.1
1.5s 120.00nm 5.4mb
Z 24s 4.73um 5.1MszX
N 14s 2.30um
E 14s 2.23um
S 28 58.00
ScP 30 24.50
HKC 31.37 285 P 24 00.50 0.4
SNY 31.98 326 Pc 24 02.80 -2.5X
1.0s 31.00nm 5.1mb
Z 18s 8.85um 5.5Msz
E 15s 2.52um
pP 24 17.70 60km
sS 29 35.00
KKM 31.99 254 ePc 24 06.50 0.7
0.9s 498.30nm 6.3mb
e 24 20.00 53kmX
GZH 32.19 287 Pc 24 08.00 0.7
N 20s 3.46um
E 20s 8.42um
S 29 18.00
CN2 32.47 330 P 24 07.50 -2.0
0.8s 41.00nm 5.3mb
Z 10s 8.29um 5.7MszX
N 15s 4.11um
E 15s 2.97um
epP 24 24.00 68km
PcP 26 55.60
eS 29 13.00
ScP 30 33.40
ScS 34 31.40
WHN 32.72 301 eP 24 11.50 -0.4
1.0s 18.00nm 4.9mb
Z 24s 11.50um 5.5MszX
N 17s 4.25um
E 22s 7.78um
PP 25 22.00
PcP 26 58.50
S 29 25.00
TIA 32.75 312 Pd 24 11.40 -0.7
Z 20s 5.06um 5.2Msz
N 14s 2.09um
E 14s 2.22um
S 29 22.00
ScP 30 35.60
ScS 34 35.00
MTN 33.43 209 eP 24 16.00 -2.1
BJI 35.31 317 eP 24 33.00 -1.1
1.5s 200.00nm 5.8mb
Z 20s 3.61um 5.1Msz
N 16s 1.75um
E 16s 1.47um
ePP 25 51.00
eS 30 00.00
eSS 32 16.00
QIZ 35.38 279 ePc 24 35.86 0.9
0.8s 38.00nm 5.4mb
N 17s 1.84um
E 20s 4.29um
PP 25 55.00
S 30 07.00
ENH 36.71 298 ePc 24 45.60 -0.4
epPd 24 57.36 42kmX
CTA 36.73 181 iPc 24 46.50 0.3
0.7s 150.00nm 6.0mb
eS 30 31.50
eScP 30 53.20
CTAO 36.73 181 ePc 24 46.25 0.1
TIY 36.78 311 Pc 24 46.00 -0.6
Z 20s 3.75um 5.2Msz
N 20s 6.22um
E 20s 3.49um
sP 25 11.00

22d 15h

S 30 18.00
KNA 37.07 210 iPd 24 49.20 0.2
1.0s 95.00nm 5.7mb
PET 37.21 12 eP 24 50.00 0.1
1.0s 120.00nm 5.8mb
Z 20s 2.70um 5.0Msz
N 20s 2.10um
E 20s 2.40um
eS 30 36.00
OIS 37.89 191 iPc 24 54.20 -1.8
0.9s 115.00nm 5.8mb
i 25 11.90 72km
e 30 43.00
XAN 38.14 304 iPc 24 59.00 1.0
0.9s 33.00nm 5.3mb
N 16s 3.20um
E 16s 2.11um
S 30 46.50
GYA 38.56 291 iPc 25 02.80 1.1
Z 24s 11.10um 5.6MszX
N 20s 4.40um
E 20s 4.62um
PP 26 35.00
S 30 58.00
WB2 38.64 199 iPd 25 01.60 -0.6
0.9s 444.30nm 6.4mb
iPcP 27 15.30
eS 30 55.40
WRA 38.64 199 P 25 01.60 -0.6
0.4s 101.20nm 6.1mb
HHC 38.77 315 Pc 25 02.00 -1.3
1.0s 18.00nm 4.9mb
Z 22s 5.81um 5.4Msz
N 16s 1.53um
E 14s 1.28um
pP 25 21.00 79kmX
PcP 27 17.00
S 31 00.00
HIA 39.16 332 ePc 25 05.06 -1.2
ed 25 14.99 34kmX
BTO 39.71 314 P 25 10.00 -1.1
N 15s 2.35um
E 18s 2.21um
sP 25 34.00
S 31 10.00
SMY 41.64 25 eP 25 25.90 -0.7
0.6s 69.03nm 5.6mb
Z 20s 5.73um 5.4Msz
CD2 41.68 298 P 25 27.60 0.3
1.0s 120.00nm 5.6mb
Z 24s 7.64um 5.5MszX
E 17s 5.71um
PcP 27 25.00
S 31 38.50
KMI 41.99 289 ePc 25 31.57 1.5
1.5s 390.00nm 6.0mb
Z 24s 6.50um 5.4MszX
E 18s 3.03um
pP 25 43.00 41kmX
PP 27 08.00
S 31 48.00
ASPA 42.27 198 iPd 25 32.10 0.0
0.8s 146.80nm 5.8mb
Z 20s 4.70um 5.4Msz
iPcP 27 26.70
eScP 31 12.80
iPcS 31 17.20
iS 31 47.90
iScS 35 31.90
LZH 42.71 305 iPc 25 35.44 -0.4
1.5s 170.00nm 5.6mb
Z 24s 6.50um 5.4MszX
E 18s 3.03um
pP 25 49.00 51kmX
PP 27 16.00
PcP 27 28.50
ScP 31 14.00
PcS 31 19.50
eS 31 50.00
DZM 43.13 153 iPd 25 38.00 -1.2
RMO 43.13 178 eP 25 38.00 -1.0
0.7s 60.00nm 5.5mb
e 31 17.00
LOE 43.19 278 eP 25 40.50 0.7
e 27 30.00 640kmX
MGD 43.26 3 ePc 25 40.00 0.3
0.9s 120.00nm 5.7mb
Z 18s 2.20um 5.1Msz
N 18s 2.00um
E 18s 1.10um
i 25 53.00
ipP 26 00.00 83kmX
e 27 26.00
ePPP 28 00.00
iS 32 04.00
iSS 35 16.00
eSSS 36 00.00
OLP 43.27 184 eP 25 39.00 -1.2
e 27 31.00 664kmX
CIT 43.88 331 eP 25 45.00 0.1
Z 20s 5.48um 5.5Msz
E 20s 11.88um
eS 32 13.00
e 35 40.00
ADK 45.20 31 eP 25 54.34 -1.1
0.6s 57.88nm 5.6mb
KGM 45.41 256 ePd 25 59.20 1.6
0.9s 364.60nm 6.2mb
e 26 12.30 49kmX
CHG 45.69 280 iPc 26 01.00 1.2
BDT 45.80 278 eP 26 19.00 18.4X
0.7s 210.60nm
MBL 46.24 216 eP 26 03.20 -0.8
0.5s 51.00nm 5.7mb
SNG 46.28 264 eP 26 06.70 2.2
0.9s 737.82nm 6.6mb
eS 32 55.90
KHT 46.54 275 iPc 26 08.00 1.5
KLM 46.58 258 ePd 26 08.80 1.9
0.8s 850.80nm 6.7mb
GTA 46.65 309 P 26 07.00 -0.3
2.0s 230.00nm 5.8mb
Z 16s 8.00um 5.8MszX
E 16s 3.53um
pP 26 20.00 48kmX
PcP 27 42.00
ScP 31 29.50
S 32 53.00
IPM 46.68 260 ePc 26 09.00 1.4
0.9s 531.10nm 6.5mb
e 26 19.30 35kmX
YAK 46.72 349 iPd 26 08.10 0.8
1.1s 700.00nm 6.5mb
e 27 58.00 621kmX
iS 32 52.00
iPS 33 04.00
iSS 35 56.00
WARB 47.15 205 iPc 26 11.70 0.5
ARMA 47.22 175 e(P) 26 12.00 0.2
0.8s 60.00nm 5.6mb
BOD 47.63 337 eP 26 14.30 -0.3
0.9s 87.00nm 5.7mb
CMS 48.09 181 eP 26 17.00 -1.4
ZAK 48.35 324 iPc+ 26 19.00 -1.2
1.6s 111.00nm 5.6mb
Z 18s 1.44um 5.0Msz
N 18s 1.60um
E 18s 4.34um
e 27 47.00 449kmX
e 28 18.00
eS 33 14.00
e 36 10.00
IRK 48.71 326 ePc 26 21.60 -1.4
1.7s 92.00nm 5.5mb
Z 20s 6.05um 5.6Msz
N 18s 1.83um
E 18s 2.46um
e 26 38.20 65km
iS 33 21.00
e 33 29.00
e 33 40.00
e 36 10.00
STK 48.75 186 iPc 26 22.10 -1.3
0.6s 18.40nm 5.3mb
eS 33 19.30
MOY 50.24 324 ePc 26 34.00 -0.7
2.0s 161.00nm 5.7mb
FORT 50.76 201 eP 26 38.00 -0.8
BWA 51.02 179 iPc 26 40.30 -0.5
ipP 26 45.30 17kmX
i 26 57.50
CAN 51.93 178 iPc 26 47.20 -0.5
ipP 26 52.10 16kmX
i 27 06.30
CNB 51.94 178 iPc 26 48.00 0.2
0.9s 83.00nm 5.8mb
HON 51.94 76 P 27 00.00 12.0X
Z 21s 5.02um 5.5Msz
LSA 52.43 295 ePc 26 53.10 0.9
ed 27 02.37 31kmX
COOL 53.60 208 iPc 26 58.70 -1.4
0.3s 10.00nm 5.3mb
BFD 53.92 184 iPc 27 00.80 -1.5
0.7s 40.00nm 5.6mb
i 27 18.00 66km
MHA 54.01 77 P 27 02.40 -0.9
pP 27 20.80 72km
TOO 54.16 181 iPc 27 04.80 0.7
0.9s 116.00nm 5.9mb
MRWA 54.74 213 eP 27 06.90 -1.6
0.4s 13.00nm 5.3mb
SDN 55.27 33 eP 27 10.11 -1.9
1.0s 610.12nm 6.6mb
Z 20s 1.59um 5.1Msz
BAL 55.48 212 iPc 27 12.80 -1.0
0.4s 61.00nm 6.0mb
ILT 55.51 15 iPd- 27 12.80 -0.8
1.2s 105.00nm 5.7mb
Z 20s 1.90um 5.2Msz
N 18s 0.90um
E 18s 0.90um
e 29 24.00 746kmX
ePPP 30 30.00
iS 34 56.00
e 36 48.00
KLB 55.76 210 eP 27 14.30 -1.6
0.3s 10.00nm 5.3mb
TIK 55.81 353 iPd 27 17.00 1.3
1.0s 150.00nm 6.0mb
e 28 11.00 243kmX
e 29 16.00
e 30 38.00
iS 35 00.00
i 35 22.00
WMQ 56.45 312 iPc 27 20.54 -0.3
1.4s 280.00nm 6.1mb
Z 20s 3.21um 5.4Msz
N 18s 2.64um
SP 27 44.00
PcP 28 15.00
PP 29 28.20
ScP 32 04.00
PcS 32 15.00
S 35 07.00
sS 35 36.00
ScS 37 02.00
MUN 56.84 211 eP 27 22.70 -0.9
GUN 57.08 293 P 27 25.10 -0.8
NWAO 57.11 210 eP 27 25.10 -0.4
ANM 57.40 22 eP 27 26.34 -0.8
epP 27 44.89 72km
PKI 57.52 292 P 27 27.20 -1.7
KKN 57.62 292 P 27 28.80 -0.7
DMN 57.78 292 P 27 29.40 -1.3
GKN 58.18 293 P 27 32.40 -0.9
SVW 59.81 28 eP 27 43.00 -1.0
1.0s 165.45nm 6.1mb
epP 28 01.55 71km
KDC 60.25 33 ePd 27 45.30 -1.6
0.9s 35.79nm 5.5mb
TTA 60.32 26 ePd 27 46.51 -1.0
0.6s 47.18nm 5.8mb
epP 28 04.34 68km
REF 60.95 29 P 27 49.80 -2.2
CPKM 61.41 29 P 27 54.50 -0.6
CRP 61.45 29 P 27 54.00 -1.3
SLKM 62.14 30 P 27 57.70 -2.0
IMA 62.44 23 eP 28 00.83 -1.0
1.1s 78.32nm 5.7mb
PMR 62.94 29 eP 28 02.90 -2.0
0.6s 61.04nm 5.8mb
Z 21s 1.66um 5.2Msz
PRZ 63.10 309 eP 28 08.00 1.4
1.5s 600.00nm 6.4mb
Z 18s 2.80um 5.5Msz
E 18s 2.50um
eS 36 37.00
NRI 63.60 340 iPc+ 28 07.00 -2.1
1.8s 21.00nm 4.8mb
i 28 48.00 174kmX
iPPP 31 56.00

22d 15h

iS 36 37.00
ePS 36 56.00
ePPS 37 09.00
eSS 40 51.00
BRW 63.61 17 iPc 28 09.38 0.2
TLG 63.87 310 iP 28 12.00 0.5
Z 16s 1.40um 5.2MszX
N 14s 1.20um
E 16s 1.60um
eS 36 45.00
COL 64.40 25 iPd 28 13.03 -1.4
FBA 64.40 25 eP 28 12.82 -1.6
0.6s 61.27nm 5.7mb
epP 28 30.70 67km
KLU 64.41 29 P 28 13.90 -0.8
TOA 64.42 29 eP 28 14.90 0.2
NDI 64.64 294 iPc 28 16.00 -0.7
0.6s 80.00nm 5.9mb
eS 36 52.00
KSH 64.94 306 P 28 19.00 0.4
0.5s 80.00nm 5.9mb
Z 18s 3.90um 5.6Msz
N 16s 2.80um
HYB 65.07 282 iP 28 20.00 0.4
1.0s 290.00nm 6.2mb
FRU 65.89 310 iPc+ 28 24.20 -0.3
2.0s 360.00nm 6.0mb
Z 18s 3.40um 5.6Msz
E 18s 3.30um
i 28 36.20 41kmX
i 28 50.40
eS 37 11.00
e 38 15.00
BALM 66.02 30 P 28 23.90 -1.2
KOD 67.65 274 eP 28 37.00 0.6
POO 69.25 284 iPc 28 47.10 1.2
SIT 69.31 35 eP 28 46.30 0.8
GAR 69.36 306 iP 28 46.00 -0.4
Z 18s 2.00um 5.4Msz
i 29 00.00 49kmX
iS 37 47.00
i 38 22.00
AFR 71.01 116 eP 28 56.00 -0.5
1.6s 215.00nm 5.8mb
PMO 71.61 113 eP 29 00.00 -0.1
1.6s 175.00nm 5.7mb
TPT 71.85 112 eP 29 02.00 0.4
1.6s 115.00nm 5.6mb
VAH 71.94 113 eP 29 01.00 -1.1
1.6s 65.00nm 5.3mb
RUV 72.14 113 eP 29 02.00 -1.3
1.6s 125.00nm 5.6mb
QUE 73.30 297 eP 29 11.10 0.9
1.1s 215.19nm 6.0mb
eS 38 37.20
MBC 74.60 14 eP 29 17.00 0.3
0.6s 44.00nm 5.6mb
ARU 75.26 325 eP+ 29 20.00 -0.8
1.0s 280.00nm 6.1mb
Z 19s 2.00um 5.4Msz
N 19s 1.00um
E 20s 1.50um
e 29 31.00 36kmX
e 29 37.00
eS 38 54.00
e 39 59.00
PGC 77.24 43 eP 29 32.50 0.5
MCW 77.63 43 P 29 34.80 0.5
BMW 77.81 45 P 29 35.80 0.5
GMW 77.89 44 P 29 36.50 0.8
COR 78.14 47 eP 29 38.02 0.9
MAIO 78.26 304 iPc 29 38.60 0.6
1.0s 135.00nm 5.9mb
FHC 78.44 51 P 29 40.30 1.4
1.1s 140.80nm 5.8mb
SHW 78.54 45 P 29 39.80 0.3
RMW 78.56 44 P 29 40.10 0.6
LON 78.71 45 P 29 40.30 0.0
YKA 79.01 28 eP 29 41.50 0.0
0.6s 40.60nm 5.5mb
PNT 79.56 42 eP 29 45.00 0.2
1.0s 96.00nm 5.7mb
VGB 79.69 46 P 29 46.00 0.4
LBFM 79.87 50 P 29 47.50 0.7
pP 30 05.50 65km
LTCM 79.96 51 P 29 47.40 0.3
KAT 80.10 308 iP+ 29 48.00 0.2
i 30 04.00 57km
e 32 49.00
iS 39 51.00
ORV 80.58 52 P 29 50.40 0.0
DPW 80.83 43 P 29 52.10 0.5
ARN 81.10 54 P 29 53.50 0.3
KBS 81.27 352 iPc 29 54.90 1.6
PHAM 82.36 55 P 30 00.80 1.0
PKEM 82.53 55 P 30 02.20 1.6
BCH 82.78 56 P 30 02.60 0.5
pP 30 21.30 68km
APA 83.19 339 iPd 30 03.90 0.5
iS 40 20.00
KVN 83.26 51 P 30 05.20 0.6
SBC 83.28 56 ePd 30 05.00 0.5
BONR 83.41 52 P 30 05.70 0.2
DRV 83.45 183 eP 30 04.70 0.2
ABL 83.55 56 P 30 06.50 0.3
pP 30 25.00 67km
ISA 83.92 55 iPd 30 07.50 -0.3
1.3s 53.40nm 5.4mb
epP 30 25.77 66km
KEV 84.05 342 eP 30 08.00 0.3
0.6s 92.60nm 6.0mb
TNP 84.20 52 P 30 09.90 0.6
1.0s 43.88nm 5.4mb
BAK 84.51 310 iPc 30 12.00 1.5
iS 40 35.00
SES 84.57 39 eP 30 11.00 0.3
1.2s 239.00nm 6.1mb
pP 30 18.00 22kmX
PAS 84.58 56 iPd 30 10.71 -0.4
TEH 84.76 306 eP 30 13.00 0.9
SSK 84.95 56 P 30 13.60 0.5
pP 30 31.60 65km
TPNV 85.27 53 P 30 15.10 0.4
SHE 85.36 311 iPc 30 16.00 1.2
1.0s 150.00nm 6.0mb
iS 40 38.00
HPI 85.45 46 P 30 17.80 2.2
MAK 85.46 313 iP+ 30 15.80 0.6
1.9s 680.00nm 6.4mb
Z 18s 4.50um 5.9Msz
N 18s 3.00um
E 18s 4.50um
i 40 32.00
iS 40 42.80
PEC 85.46 56 P 30 15.50 0.0
1.0s 40.11nm 5.5mb
SHI 85.60 299 eP 30 17.00 0.5
DAG 86.17 357 eP 30 18.50 0.4
0.9s 84.87nm 5.9mb
HVU 86.31 48 ePd 30 20.30 0.6
ipP 30 38.44 65km
TRO 86.37 344 eP 30 19.50 0.3
GRO 86.56 314 iPc+ 30 21.00 0.4
2.0s 480.00nm 6.3mb
Z 20s 3.00um 5.7Msz
N 18s 2.50um
E 24s 5.00um
i 40 44.00
iS 40 52.00
MOS 86.67 328 iPc 30 21.00 0.1
2.2s 340.00nm 6.1mb
Z 22s 2.90um 5.6Msz
e 40 43.00
eS 40 53.00
DUG 86.80 49 P 30 22.60 0.5
0.7s 20.35nm 5.4mb
pP 30 41.50 68km
ARUT 87.13 51 P 30 24.50 0.7
CSY 87.27 194 iPd 30 25.00 1.5
0.5s 10.00nm 5.2mb
e 33 43.50
GRS 87.40 310 iPc 30 24.00 -1.0
0.8s 100.00nm 6.0mb
Z 21s 1.18um 5.3Msz
N 20s 0.59um
E 20s 0.88um
eS 40 50.00
OBN 87.47 327 ePc 30 24.37 -0.4
1.7s 200.00nm 6.0mb
Z 22s 4.20um 5.8Msz
N 22s 1.90um
E 20s 2.20um
ipP 30 42.00 63km
iS 40 57.00
ePS 42 06.00
GLA 87.57 56 P 30 26.50 0.6
MTA 87.74 313 iP 30 26.40 0.0
0.8s 80.00nm 5.9mb
Z 18s 1.50um 5.4Msz
N 18s 1.50um
E 18s 2.00um
i 30 43.40 60km
eS 40 51.00
e 41 04.00
MSU 87.83 50 P 30 28.20 1.0
DAU 87.85 48 P 30 27.70 0.3
pP 30 46.50 67km
PYA 88.10 316 iPd 30 28.00 -0.1
1.0s 200.00nm 6.2mb
Z 20s 2.50um 5.6Msz
E 20s 2.00um
i 30 44.00 56km
iS 40 54.00
BW06 88.20 46 ePd 30 28.70 -0.3
1.1s 16.87nm 5.1mb
EMUT 88.38 49 P 30 30.50 0.6
KIV 88.38 316 iPc 30 28.84 -0.8
ed 30 38.28 29kmX
iS 40 56.00
ERE 88.48 312 iP+ 30 30.00 -0.1
Z 20s 1.13um 5.3Msz
E 21s 1.24um
e 33 54.00
PS 40 57.00
KER 88.53 305 eP 30 35.00 4.5X
KAF 88.59 336 iP 30 29.40 -0.7
0.7s 46.90nm 5.8mb
SRU 88.83 49 P 30 32.30 0.3
FCC 89.72 27 eP 30 37.00 1.6
NUR 90.17 335 iP 30 36.10 -1.4
0.9s 41.10nm 5.7mb
SOC 90.50 316 eP 30 39.00 -0.4
Z 18s 1.40um 5.4Msz
N 18s 1.00um
E 18s 0.80um
e 41 08.00
ePS 41 34.00
ANN 91.53 318 eP 30 42.00 -2.1
e 41 10.00
GOL 92.30 47 ePd 30 49.03 0.9
MNK 92.64 329 eP 30 47.00 -2.0
UPP 93.31 337 iP 30 51.00 -1.0
ULM 93.39 35 eP 30 54.00 1.5
ANMO 93.41 52 ePd 30 53.93 0.7
ALQ 93.41 52 P 30 54.10 0.9
1.2s 27.11nm 5.6mb
Z 19s 2.19um 5.6Msz
pP 31 12.60 66km
HFS 94.54 339 eP 30 56.50 -1.2
0.6s 16.90nm 5.6mb
Z 18s 1.00um 5.3Msz
LR 08 52.00
NB2 94.71 340 P 30 58.10 -0.5
0.7s 16.50nm 5.6mb
KAS 95.42 316 eP 31 00.00 -2.2
BBTK 96.82 315 eP 31 20.00 11.4X
UZH 98.39 327 eP 31 15.00 -0.3
1.0s 25.00nm 5.7mb
e 31 25.60 33kmX
OJC 98.68 329 eP 31 18.30 1.6
MEO 99.32 49 iPc 31 20.60 0.7
BRG 101.02 332 ePdiff31 28.00 0.9
2.0s 32.00nm 5.6mb
Z 18s 1.50um 5.5Msz
N 18s 1.00um
E 18s 1.50um
CLL 101.13 333 ePdiff31 27.00 -0.5
Z 18s 2.50um 5.8Msz
PKKP 47 46.00
PRU 101.36 331 ePdiff31 29.00 0.4
Z 20s 1.40um 5.5Msz
N 20s 1.30um
E 20s 1.00um
e 35 02.80
ePP 35 32.50
e 35 38.30
eS 43 03.00
KHC 102.41 331 ePdiff31 33.00 -0.4
1.0s 8.90nm 5.4mb
e 31 35.00
VAY 102.60 320 iPdiff31 34.00 -0.3

CCM 102.75 43 Pdiff 31 50.00 14.9X
Z 20s 1.67um 5.6Msz
SKO 102.90 322 iPdiff31 36.00 0.3
Z 16s 1.02um 5.4MszX
LR 22 53.00
GRF 103.09 332 ePdiff31 36.00 -0.3
Z 18s 1.50um 5.6Msz
e 35 51.00
SLM 103.09 43 Pdiff 31 50.00 13.4X
Z 19s 1.21um 5.4Msz
MAW 103.23 203 Pdiff 31 40.90 4.4X
FVM 103.33 43 Pdiff 31 50.00 12.3X
Z 20s 3.37um 5.9Msz
OHR 103.80 321 ePdiff31 38.50 -1.3
e 35 57.50
SNF 105.34 336 ePKP 36 07.70 7.7X
DOU 105.55 336 ePKP 36 09.00 8.6X
e 43 41.00
CDF 105.77 333 ePKP 36 01.60 0.5
BSF 106.42 333 ePKP 36 03.10 0.8
0.7s 4.50nm
SPA 106.76 180 iPKPc 36 11.20 8.8X
0.9s 9.09nm
Z 18s 1.65um 5.6Msz
LOR 108.10 335 ePKP 36 07.00 1.6
RSNY 108.11 30 PKP 36 20.00 14.5X
Z 20s 1.63um 5.6Msz
LPL 108.23 332 ePKP 36 07.10 1.1
0.8s 4.55nm
LPG 108.23 332 ePKP 36 07.30 1.2
0.6s 3.05nm
SSF 108.41 335 ePKP 36 07.70 1.7
0.8s 6.70nm
MCWV 108.80 37 PKP 36 20.00 13.1X
Z 21s 5.57um 6.1Msz
GRR 109.00 338 ePKP 36 07.80 0.8
TCF 109.56 335 ePKP 36 10.00 1.8
CAF 110.72 334 ePKP 36 12.70 2.2
HRV 111.07 30 PKP 36 20.00 8.9X
Z 19s 1.53um 5.6Msz
LPO 111.29 335 ePKP 36 13.50 2.0
0.6s 5.75nm
KRI 120.33 260 iPKPc 36 30.90 1.2
i 36 31.70
NKM 121.77 334 iPKPc 36 33.50 1.7
i 36 44.00
BUL 121.77 256 ePKP 36 33.70 1.3
SLR 122.66 250 ePKP 36 28.50 -5.4X
IFR 123.28 332 ePKP 36 39.00 4.0X
SEK 123.39 247 iPKPd 36 31.60 -3.7X
0.9s 15.13nm
SNA 123.39 192 iPKPd 36 34.60 0.8
0.9s 67.23nm
PRY 123.46 249 iPKPc 36 36.00 0.5
0.9s 7.69nm
AVE 124.46 334 iPKP 36 38.50 1.4
i 36 45.50
BCAO 124.88 288 iPKPd 36 40.00 1.6
0.6s 11.00nm
id 36 52.00
ic 38 14.30
TIO 126.43 332 iPKP 36 41.50 0.3
SDV 134.83 58 ePKP 36 51.10 -6.5X
ARE 143.15 95 ePKP 37 13.00 0.2
KIC 143.77 307 PKP 37 12.00 -1.6
TIC 143.80 308 PKP 37 12.10 -1.6
LIC 144.07 307 PKP 37 12.90 -1.2
KDS 144.26 324 iPKP 37 14.50 0.1
RTCB 144.42 121 iPKPd 37 13.60 -0.8
ZON 144.50 121 ePKP 37 14.00 -0.5
RTCV 144.53 122 ePKPd 37 13.90 -0.6
RTLL 144.73 121 iPKPc 37 14.10 -0.7
CFA 144.84 121 ePKP 37 14.30 -0.7
MBO 145.14 332 iPKPd 37 17.90 2.1
ZO80 146.34 94 ePKP 37 19.58 0.9
LPB 146.40 95 PKP 37 22.00 3.5X
Z 20s 2.13um 5.9Msz
LR 25 40.00
CNCB 146.54 95 PKP 37 20.90 2.0
BAO 165.54 87 PKPd 37 44.10 1.8
e 38 40.00
ITR 170.36 34 ePKP 37 34.60 -10.9X
e 39 02.40
S.D. = 1.0 on 253 of 277 obs.

? JUN 22, 1992 15h 44m 44.15± 7.52s
44.381 N ±52.3km 11.620 E ±27.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

PGD 0.51 172 P 44 54.40 -0.2
eSg 45 02.00
CRE 0.79 162 P 44 59.70 0.1
eSg 45 11.40
BDI 0.80 247 P 44 59.60 -0.2
eSg 45 09.30
PII 1.03 231 P 45 03.80 0.2
eSg 45 18.10
S.D. = 0.3 on 4 of 4 obs.

? JUN 22, 1992 15h 49m 28.07± 6.10s
39.057 N ±53.1km 27.146 E ±14.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EZN 1.00 321 ePg 49 47.00 0.1
eSg 50 01.50
DST 1.27 64 ePn 49 51.40 -0.3
KGT 1.40 5 ePn 49 53.10 -0.5
BNT 1.43 24 ePn 49 54.00 0.0
KCT 1.51 38 ePn 49 56.00 0.8
S.D. = 0.7 on 5 of 5 obs.

? JUN 22, 1992 16h 12m 16.78± 7.67s
42.566 N ±18.9km 10.448 W ±63.2km
DEPTH = 10.0km (geophysicist)
NORTH ATLANTIC OCEAN (402)
mbLg 3.4 (MDD).

EZAM 1.36 107 ePg 12 42.50 0.7
Sg 12 55.20
STS 1.43 76 ePg 12 44.00 1.2
Sg 12 57.10
EMON 2.45 68 ePn 12 57.00 -0.4
Sn 13 24.00
ERUA 2.45 93 ePn 12 57.30 -0.2
Sn 13 25.00
EPLA 4.13 126 ePn 13 21.40 0.1
GUD 5.09 110 ePn 13 34.50 -0.6
Sn 14 30.00
ECRI 5.86 87 eP 13 45.00 -0.8
EHOR 6.19 138 ePn 13 50.40 0.1
S.D. = 0.8 on 8 of 8 obs.

% JUN 22, 1992 16h 32m 14.34± 1.03s
47.165 N ± 6.3km 7.005 E ±16.5km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.2 (LDG).

BSF 0.68 348 Pg 32 28.10 0.2
Sg 32 38.80
HAU 0.95 332 Pg 32 31.00 -1.5
Sg 32 43.70
CDF 1.26 8 Pg 32 38.70 0.9
Sg 32 57.50
LPL 1.66 187 Pg 32 43.10 -0.7
Sg 33 03.00
LPG 1.68 186 Pg 32 44.30 0.2
Sg 33 04.80
SMF 2.23 258 Pg 32 52.90 1.0
Sg 33 19.90
S.D. = 1.2 on 6 of 6 obs.

& JUN 22, 1992 16h 55m 57.11s
33.978 N 116.269 W
DEPTH = 5.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.8 (PAS).

PEC 0.75 264 eP 56 10.73 -1.3
eS 56 19.84
PLM 0.80 219 iPd 56 11.89 -1.3
eS 56 24.39
SSK 1.20 282 ePn 56 19.21 -0.9
eS 56 35.35
GLA 1.52 127 ePn 56 22.67 -2.3
ePg 56 24.96
eS 56 46.35
ISA 2.47 313 ePn 56 39.35 0.6
ePg 56 41.97
TPNV 2.96 0 (P) 56 44.52 -1.3
ARUT 4.44 30 (P) 57 06.24 -0.6
7 obs. associated

& JUN 22, 1992 17h 17m 25.68s
33.994 N 116.316 W
DEPTH = 9.7km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.0 (PAS).

PEC 0.71 262 iPc 17 38.58 -1.2
eS 17 47.07
PLM 0.78 216 iPd 17 40.28 -0.8
eS 17 50.14
SSK 1.16 281 ePc 17 46.70 -0.9
eS 18 02.97
GLA 1.56 127 ePn 17 51.48 -2.1
ePg 17 54.15
ISA 2.43 314 ePn 18 04.32 -1.9
ePg 18 09.77
ABL 2.55 290 ePn 18 06.74 -1.2
ePg 18 11.54
BCH 3.33 292 ePn 18 18.40 -0.6
BONR 4.27 338 (Pn) 18 33.18 0.7
ARUT 4.45 31 (P) 18 46.51 11.6
MSU 5.62 35 (P) 19 00.53 9.0
10 obs. associated

JUN 22, 1992 17h 31m 00.22± 0.62s
45.698 N ± 5.5km 7.035 E ± 6.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.3 (LDG), 2.3 (STR).

LPL 0.28 230 Pg 31 06.10 -0.1
Sg 31 11.20
LPG 0.28 225 Pg 31 06.20 -0.1
Sg 31 11.50
RSL 0.29 268 Pg 31 05.52 -0.8
Sg 31 10.20
ORO 0.67 96 P 31 12.30 -1.3
eSg 31 18.70
BNI 0.69 202 P 31 13.70 -0.3
eSg 31 23.10
SBF 1.86 171 Pg 31 34.00 1.6
BSF 2.14 356 Pg 31 36.40 -0.2
Sg 32 02.20
FEL 2.28 17 ePn 31 38.86 0.3
HAU 2.36 349 Pg 31 40.40 0.8
Sg 32 09.60
SMF 2.41 294 Pg 31 43.50 3.1X
Sg 32 14.60
LBF 2.48 302 Pg 31 44.50 3.2X
Sg 32 15.60
LOR 2.70 307 Pg 31 48.10 3.6X
Sg 32 21.90
CDF 2.72 3 Pg 31 47.80 3.0X
Sg 32 21.50
SSF 2.80 300 Pg 31 50.30 4.5X
Sg 32 27.40
S.D. = 1.0 on 9 of 14 obs.

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* JUN 22, 1992 20h 53m 48.56± 2.45s
31.609 N ±12.8km 138.479 E ±13.3km
DEPTH = 72.0 ± 22.4 km
4.3mb (10 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 4.93 357 eP 55 01.00 -0.7
0.9s 14.29nm
iS 56 01.30
CN2 15.93 323 eP 57 34.60 5.1X
Z 15s 0.35um
BJI 19.91 301 eP 58 18.00 1.2
1.2s 29.00nm 4.5mb
TIY 22.23 293 eP 58 42.40 2.0
HHC 23.51 301 eP 58 54.60 1.8
1.0s 12.00nm 4.3mb
BTO 24.60 299 eP 59 04.50 1.2
XAN 24.92 284 iPc 59 06.00 -0.4
LZH 29.02 288 eP 59 43.00 -0.9
1.0s 16.00nm 4.6mb
CD2 29.62 278 P 59 47.60 -1.6
CHG 37.77 260 eP 00 57.50 -1.9
WMQ 41.38 302 P 01 30.50 1.3
0.9s 11.00nm 4.7mb
GUN 45.45 279 P 02 01.80 -0.8
KKN 46.00 280 P 02 05.40 -1.4
WB2 51.41 185 eP 02 47.00 -1.3
0.7s 3.20nm 4.5mb

22d 21h

WRA 51.41 185 P 02 50.00 1.7
0.8s 1.90nm 4.2mb
ASPA 55.14 185 eP 03 17.10 1.3
1.1s 3.80nm 4.3mb
QUE 60.33 289 eP 03 51.70 -0.7
MBC 62.39 15 eP 04 06.00 0.5
YKA 69.72 28 eP 04 51.50 -0.8
0.8s 1.40nm 3.9mb
NB2 78.22 337 P 05 40.90 -0.6
0.6s 0.90nm 3.9mb
KSP 83.39 327 eP 06 09.00 0.1
GEC2 85.98 327 P 06 18.40 -3.7X
0.6s 0.49nm 3.7mb
ZOBO 151.40 64 PKP 13 35.50 5.0X
CNCB 151.83 65 PKP 13 38.00 6.9X
S.D. = 1.4 on 20 of 24 obs.

• JUN 22, 1992 21h 21m 09.20± 0.88s
7.013 N ±20.6km 72.230 W ±12.1km
DEPTH = 33.0km (normal)
NORTHERN COLOMBIA (99)

BMG 0.84 274 iPc 21 24.50 -0.2
SDV 2.44 40 iPnd 21 51.80 4.0X
BOG 2.99 218 eP 21 56.00 0.2
eS 22 32.00
TOV 3.66 41 ePn 22 00.70 -4.3X
CEOS 4.35 62 iP 22 15.30 0.5
iS 23 27.90
OLLA 6.14 61 iP 22 40.60 0.4
LLAV 6.37 57 iP 22 44.30 1.0
GUAN 7.14 65 iP 22 52.20 -1.9
eS 24 12.10
S.D. = 1.3 on 6 of 8 obs.

& JUN 22, 1992 22h 06m 20.88s
58.306 N 152.941 W
DEPTH = 11.2km
KODIAK ISLAND REGION (13)
<AEIC>. ML 3.1 (AEIC).

SYI 0.42 43 eP 06 29.29 -0.2
KDC 0.61 157 P 06 32.70 -0.3
S 06 42.70
CDD 0.73 330 iP 06 34.40 -0.7
AUI 1.06 346 eP 06 39.15 -1.6
eS 06 53.92
AUE 1.08 348 eP 06 39.44 -1.6
eS 06 54.81
AUP 1.09 347 eP 06 39.35 -1.9
AUH 1.09 346 eP 06 39.81 -1.5
AUL 1.11 347 eP 06 40.03 -1.6
MCNL 1.14 321 eP 06 40.29 -1.9
eS 06 56.91
XLV 1.31 28 eP 06 42.68 -2.4
eS 07 00.21
HOM 1.51 26 eP 06 45.44 -2.4
eS 07 05.37
PDB 1.62 337 eP 06 46.25 -3.2
eS 07 05.83
INE 1.76 358 eP 06 48.40 -3.2
eS 07 11.56
INW 1.77 357 eP 06 48.57 -3.1
eS 07 10.80
NNL 1.94 25 iP 06 50.71 -3.3
RED 2.12 2 eP 06 52.95 -3.8
RS1 2.16 2 eP 06 53.88 -3.6
eS 07 19.58
RSO 2.17 2 eP 06 54.23 -3.3
RS2 2.17 2 eP 06 54.03 -3.5
REF 2.19 3 eP 06 54.15 -3.8
eS 07 21.44
SEW 2.54 43 eP 06 57.05 -5.6
SLKM 2.61 31 eP 06 58.52 -5.2
BKG 2.79 7 eP 07 02.32 -4.1
CKL 2.92 6 eP 07 04.05 -4.1
SPU 2.92 8 iP 07 04.07 -4.0
CKN 2.95 7 eP 07 03.96 -4.6
BGL 2.98 5 eP 07 05.05 -3.9
CPKM 2.99 7 eP 07 05.43 -3.8
CRP 3.00 7 P 07 05.10 -4.2
CGLM 3.05 9 eP 07 05.91 -4.0
SVW 3.12 335 P 07 08.10 -2.8
NCG 3.13 7 eP 07 06.99 -4.2
PTE 3.25 36 eP 07 07.03 -5.7
SUA 3.36 18 eP 07 09.42 -4.9
PMS 3.41 29 P 07 09.60 -5.4
PWA 3.69 23 P 07 14.60 -4.4
SKT 3.75 10 eP 07 14.89 -5.0
KNK 3.85 34 eP 07 15.22 -6.1
HIN 3.91 55 eP 07 16.00 -6.1
GHO 4.02 28 eP 07 18.45 -5.2
SML 4.20 31 eP 07 20.40 -5.9
CVA 4.31 56 eP 07 21.72 -6.0
CUT 4.32 17 eP 07 22.79 -5.1
VLZ 4.38 47 eP 07 22.68 -6.1
SCM 4.52 36 eP 07 24.86 -5.9
45 obs. associated

% JUN 22, 1992 22h 11m 08.31± 0.47s
37.620 S ± 5.2km 176.875 E ± 4.1km
DEPTH = 30.7 ± 4.6 km
NORTH ISLAND, NEW ZEALAND (159)
ML 4.1 (WEL).

WIZ 0.27 70 P 11 15.30 -0.1
TAZ 0.68 205 P 11 21.30 -0.3
UTU 0.78 224 P 11 23.40 0.4
PATZ 0.90 212 P 11 24.80 -0.1
WLZ 1.04 257 P 11 26.70 -0.1
S 11 41.70
HBZ 1.13 89 eP 11 27.70 -0.4
PUZ 1.18 113 P 11 28.40 -0.4
PAHZ 1.25 174 P 11 29.80 0.1
KUZ 1.27 313 P 11 30.30 0.3
NOZ 1.35 138 P 11 32.10 0.9
MOZ 1.86 241 eP 11 37.70 -0.9
WAHZ 2.12 191 eP 11 42.60 0.3
WCZ 2.63 309 P 11 49.90 0.3
S.D. = 0.5 on 13 of 13 obs.

• JUN 22, 1992 22h 23m 40.07± 0.85s
37.584 N ±13.1km 73.778 E ±11.9km
DEPTH = 33.0km (normal)
3.9mb (4 obs.)
TAJIKISTAN (715)

QUE 9.30 220 eP 25 55.10 0.0
NDI 9.33 161 e(P) 26 01.50 6.2X
MAIO 11.50 268 eP 26 13.00 -12.1X
eS 28 14.00
GKN 13.21 133 P 26 48.20 0.2
KKN 13.74 132 P 26 54.20 -0.9
0.6s 11.00nm 4.8mb
PKI 13.98 132 P 26 59.00 0.7
HFS 43.61 321 ePKP 31 43.50 1.0
0.6s 1.30nm 3.9mb
NB2 44.87 322 P 31 51.80 -1.0
0.4s 0.30nm 3.5mb
WRA 80.71 124 P 35 56.20 4.6X
0.6s 0.70nm 3.8mb
S.D. = 1.0 on 6 of 9 obs.

? JUN 22, 1992 22h 45m 56.59± 0.92s
37.741 N ± 8.0km 14.993 E ± 8.1km
DEPTH = 10.0km (geophysicist)
SICILY (398)

MNO 0.30 309 P 46 03.00 0.0
eSg 46 09.50
ATN 0.56 41 P 46 07.90 -0.1
eSg 46 15.60
MEU 0.64 185 P 46 09.50 0.0
eSg 46 19.90
SOI 0.90 68 P 46 13.90 0.1
eSg 46 26.30
S.D. = 0.1 on 4 of 4 obs.

• JUN 22, 1992 23h 26m 54.79± 0.72s
40.754 N ±10.1km 72.139 E ±18.1km
DEPTH = 33.0km (normal)
4.0mb (8 obs.)
KYRGYZSTAN (716)

MAIO 10.86 250 eP 29 40.00 9.0X
eS 31 35.00
QUE 11.36 203 eP 29 39.10 1.2
NDI 12.74 159 eP 29 55.00 -1.4
eS 32 12.80
GKN 16.35 137 P 30 36.00 -7.6X
KKN 16.86 136 P 30 43.80 -6.3X
0.6s 13.00nm 4.2mb
DMN 16.92 137 P 30 44.40 -6.4X
GUN 17.09 134 P 30 50.20 -2.8X
0.6s 19.00nm 4.4mb
PKI 17.10 136 P 30 46.60 -6.7X
HFS 40.36 319 eP 34 30.20 -0.5
0.5s 1.60nm 4.0mb
GEC2 41.33 302 P 34 38.80 -0.1
0.6s 0.67nm 3.5mb
NB2 41.60 320 P 34 39.60 -1.3
0.6s 0.40nm 3.3mb
MBC 63.05 3 ePc 37 21.00 0.6
1.0s 9.00nm 4.9mb
YKA 76.96 3 eP 38 46.20 1.0
0.7s 1.30nm 4.1mb
WRA 83.52 123 P 39 21.20 0.4
0.8s 0.50nm 3.7mb
S.D. = 1.2 on 8 of 14 obs.

% JUN 22, 1992 23h 29m 12.74± 0.83s
41.421 N ±12.0km 14.537 E ±14.8km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

DUI 0.25 346 Pd 29 17.50 -0.5
eSg 29 22.00
SDI 0.61 298 P 29 24.20 -0.9
eSg 29 34.60
AZI 1.00 305 P 29 32.00 0.3
eSg 29 47.50
SGO 1.04 146 P 29 33.00 0.6
AQU 1.26 318 P 29 37.30 1.1
eSn 29 54.40
MGR 1.50 149 P 29 39.00 -0.7
S.D. = 1.1 on 6 of 6 obs.

JUN 22, 1992 23h 33m 25.04± 0.55s
37.572 S ± 6.4km 176.794 E ± 4.7km
DEPTH = 14.9 ± 5.2 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.8 (WEL).

WIZ 0.32 82 eP 33 32.10 0.2
TAZ 0.70 199 P 33 38.30 0.0
UTU 0.77 218 eP 33 40.00 0.4
PATZ 0.91 207 P 33 42.30 0.2
WLZ 1.00 252 P 33 43.50 0.1
KUZ 1.19 313 P 33 46.80 0.1
PUZ 1.26 114 P 33 47.30 -0.7
eS 34 02.30
NOZ 1.43 137 eP 33 50.90 0.5
MOZ 1.83 239 eP 33 55.80 -0.3
WCZ 2.55 309 P 34 06.60 0.1
S.D. = 0.4 on 10 of 10 obs.

? JUN 23, 1992 00h 43m 31.93± 1.41s
39.377 N ± 8.6km 37.106 E ±20.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MG 3.3 (DDA).

SVST 0.41 342 eP 43 40.00 -0.4
eS 43 47.00
MYA 1.47 135 iPn 44 59.50 60.9X
KVT 1.89 335 ePn 44 05.00 0.5
UZU 2.03 80 iPn 44 58.10 51.4X
GAZ 2.20 178 ePn 44 09.00 -0.1
BBTK 3.39 279 eP 44 26.00 0.0
S.D. = 0.6 on 4 of 6 obs.

JUN 23, 1992 02h 08m 19.20± 0.46s
37.156 N ± 4.8km 140.571 E ± 4.9km
DEPTH = 118.7 ± 3.7 km
4.6mb (30 obs.)
EASTERN HONSHU, JAPAN (227)

KAKJ 1.00 199 iP+ 08 40.30 -1.1
S 08 54.90
YAMJ 1.10 337 iPd 08 43.20 0.8
S 09 00.70
NIIJ 1.26 274 iPd 08 45.00 0.9
S 09 03.30
CHJJ 1.68 229 iPd 08 48.90 -0.2
S 09 09.90
MAT 1.99 253 iPd 08 54.00 1.0
(S) 09 18.00
OFUJ 2.11 24 iP+ 08 54.10 -0.3
S 09 19.40
MTMJ 2.29 256 iPd 08 58.10 1.2
IIDJ 2.72 233 P 09 03.70 1.2

AOMJ 3.40 357 P 09 12.50 1.0
S 09 53.10
TSRJ 4.04 248 P 09 21.30 1.2
WKYJ 5.00 236 eP 09 33.50 0.2
MRRJ 5.28 4 eP 09 35.60 -1.3
eS 10 35.20
HOOJ 5.62 21 eP 09 41.00 -0.7
eS 10 40.70
YONJ 6.08 253 eP 09 48.60 0.6
TKSJ 6.19 241 P 09 49.80 0.3
KUSJ 6.73 27 eP 09 54.10 -2.7
eS 11 02.20
ASAJ 7.13 12 eP 09 59.00 -3.3X
MDJ 11.16 315 eP 10 55.50 -0.8
CN2 13.28 305 Pc 11 23.00 -1.1
1.0s 14.00nm 4.4mb
Z 13s 0.36um 5.1Msz
epP 11 33.00
SNY 13.92 295 iPd 11 32.40 0.0
1.0s 25.00nm 4.5mb
DL2 15.03 282 P 11 47.00 0.5
1.0s 66.00nm 4.9mb
TIA 18.82 274 eP 12 30.00 -2.3
TIY 22.32 280 Pc 13 06.20 -1.5
Z 18s 0.49um 4.0Msz
E 15s 0.44um
S 16 54.50
HHC 22.79 288 eP 13 11.00 -1.3
0.8s 12.00nm 4.3mb
BTO 23.97 288 eP 13 24.00 0.3
YAK 25.79 348 iPc 13 40.20 -0.1
1.0s 156.00nm 5.5mb
e 18 00.00
XAN 25.86 273 iPd 13 41.00 -0.4
0.6s 9.60nm 4.5mb
LZH 29.38 279 Pc 14 13.00 -0.3
2.0s 53.00nm 4.9mb
GYA 30.58 259 P 14 22.40 -1.4
CD2 31.00 269 P 14 26.00 -1.4
0.8s 23.00nm 5.0mb
GTA 31.88 287 P 14 34.00 -1.1
0.8s 14.00nm 4.8mb
KMI 34.32 260 Pd 14 56.00 -0.4
0.5s 60.00nm 5.7mb X
WMQ 40.18 297 iPc 15 46.30 1.1
1.0s 84.00nm 5.5mb
CHG 40.67 255 eP 15 43.00 -6.3X
GUN 46.47 275 P 16 35.80 -0.6
IMA 46.93 31 (P) 16 38.00 -1.2
1.0s 5.03nm 4.2mb
PKI 47.00 275 P 16 39.40 -1.2
KKN 47.00 275 P 16 39.80 -0.7
0.6s 28.00nm 5.2mb
DMN 47.22 275 P 16 41.00 -1.2
GKN 47.42 276 P 16 43.00 -0.7
KSH 49.76 294 eP 17 03.20 1.8
GAR 54.04 295 eP 17 33.30 -0.1
MBC 56.60 16 eP 17 51.50 0.2
1.0s 4.00nm 4.4mb
pP 18 17.50 107kmX
WB2 57.09 187 iPc 17 53.80 -1.5
0.6s 15.60nm 5.2mb
iPcP 18 48.70
WRA 57.09 187 P 17 54.20 -1.1
0.7s 9.10nm 4.9mb
ASPA 60.82 187 iPc 18 20.20 -0.8
0.9s 10.00nm 4.8mb
RMQ 63.77 172 iPd 18 40.60 0.1
0.7s 25.00nm 5.3mb
KAF 67.89 332 iP 19 06.00 -0.4
0.5s 9.10nm 4.9mb
RMW 68.30 46 eP 19 06.99 -2.3
STK 68.69 179 iPc 19 11.60 0.1
0.8s 6.50nm 4.5mb
NUR 69.52 332 eP 19 16.30 -0.1
SES 72.50 40 eP 19 35.00 0.5
HFS 73.70 335 eP 19 40.80 -0.4
0.4s 1.50nm 4.1mb
BONR 75.73 53 iPd 19 55.24 1.5
TNP 76.35 53 iPd 19 57.88 0.8
1.0s 13.59nm 4.7mb
TPNV 77.64 53 eP 20 03.46 -0.7
BW06 78.05 45 eP 20 07.19 0.8
0.6s 1.40nm 3.9mb
OJC 78.56 326 eP 20 09.80 1.1
e 20 37.30
EMUT 79.22 48 eP 20 14.12 1.3
KSP 79.64 328 iPc 20 15.60 1.1
SRU 79.84 48 iPd 20 17.61 1.6
BRG 80.60 329 i(P) 20 20.40 0.8
CLL 80.65 330 iP 20 20.70 0.9
i 20 47.90
PRU 81.03 328 eP 20 23.20 1.4
e 20 50.50
KHC 82.09 328 eP 20 28.50 1.1
1.0s 3.50nm 4.1mb
e 20 56.00
GEC2 82.25 328 P 20 28.70 0.3
0.5s 1.52nm 4.1mb
GRF 82.63 330 ePKP 20 31.90 1.7
e 20 59.00
VAY 83.51 318 eP 20 35.60 0.8
OHR 84.60 319 eP 20 41.00 0.6
CDF 85.21 331 eP 20 44.20 0.8
0.7s 5.50nm 4.6mb
BSF 85.88 331 eP 20 47.00 0.3
0.5s 2.05nm 4.3mb
HAU 85.91 331 eP 20 47.20 0.5
0.6s 2.70nm 4.4mb
LOR 87.46 332 eP 21 01.30 7.0X
0.9s 5.55nm 4.6mb
LPL 87.79 330 eP 20 56.60 0.4
0.7s 3.00nm 4.4mb
LPG 87.80 329 eP 20 56.70 0.4
0.7s 3.00nm 4.4mb
ZOBO 147.21 58 iPKPc 27 51.70 3.0X
LPB 147.40 59 PKP 27 53.00 4.3X
CNCB 147.67 59 PKP 27 51.90 2.6X
SIV 151.51 48 ePKP 28 02.00 7.4X
S.D. = 1.1 on 72 of 79 obs.

? JUN 23, 1992 02h 11m 14.90± 9.98s
38.297 N ±82.1km 27.246 E ±20.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.10 7 iPg 11 16.90 -0.8
iSg 11 21.40
EZN 1.69 335 ePn 11 45.00 0.5
DST 1.69 39 iPn 11 44.10 -0.6
KCT 2.13 24 ePn 11 52.00 1.0
KGT 2.15 1 ePn 11 51.00 -0.3
S.D. = 1.1 on 5 of 5 obs.

% JUN 23, 1992 02h 31m 49.27± 0.67s
39.869 N ± 6.9km 16.166 E ± 5.7km
DEPTH = 5.0km (geophysicist)
SOUTHERN ITALY (390)

CSI 0.13 134 P 31 51.60 -0.4
MMN 0.14 279 P 31 51.80 -0.3
eSg 31 54.20
TDS 0.25 148 P 31 54.40 0.1
eSg 31 58.50
ORI 0.29 48 P 31 55.10 -0.1
eSg 32 01.10
ROI 0.43 134 P 31 58.30 0.4
MGR 0.54 300 P 32 00.40 0.3
eSg 32 10.10
S.D. = 0.4 on 6 of 6 obs.

? JUN 23, 1992 02h 53m 17.23± 1.88s
28.282 S ±39.8km 176.835 W ±20.6km
DEPTH = 210.5 ± 14.8 km
3.8mb (2 obs.)
KERMADEC ISLANDS REGION (177)

RAO 1.36 224 P 53 50.90 0.0
eS 54 28.50
DZM 16.34 288 iPc 56 56.80 0.1
ASPA 44.29 264 eP 01 08.90 1.0
WB2 45.07 269 iPc 01 13.30 -0.8
0.7s 4.60nm 4.0mb
WRA 45.08 269 P 01 13.90 -0.3
0.7s 1.80nm 3.6mb
NB2 146.80 353 PKP 12 32.60 -0.5
0.8s 1.70nm
HFS 147.36 350 ePKP 12 34.50 0.6
0.4s 1.10nm
S.D. = 0.9 on 7 of 7 obs.

• JUN 23, 1992 03h 34m 48.00± 0.83s
22.949 N ±10.0km 95.950 E ± 7.9km
DEPTH = 33.0km (normal)
4.5mb (2 obs.)
MYANMAR (296)

CHTO 4.98 145 ePn 36 02.00 -0.4
ePg 36 17.00
BDT 6.36 153 eP 36 40.00 18.1X
0.9s 187.70nm
KMI 6.57 69 eP 36 35.50 10.4X
N 10s 1.30um
LSA 7.98 328 P 36 43.70 -1.3
KHT 8.50 162 eP 37 53.00 61.2X
GUN 10.35 301 P 37 18.60 0.9
CD2 10.55 40 eP 37 25.60 5.5X
PKI 10.59 298 P 37 21.50 0.6
0.6s 30.00nm 5.7mb X
KKN 10.78 299 P 37 23.60 0.1
DMN 10.85 298 P 37 23.70 -0.7
GKN 11.39 299 P 37 32.10 0.4
LZH 14.78 26 eP 38 18.00 1.5
1.2s 19.00nm 4.4mb
Z 10s 0.37um 3.3Msz
XAN 15.86 43 eP 38 34.00 3.5X
GTA 16.74 10 eP 38 40.00 -1.6
Z 10s 0.51um
N 10s 0.23um
WMQ 21.90 344 P 39 40.00 -0.2
0.7s 19.00nm 4.6mb
HHC 22.17 33 eP 39 43.60 0.8
KSH 23.63 319 eP 40 02.00 4.8X
S.D. = 1.1 on 11 of 17 obs.

JUN 23, 1992 03h 48m 06.52± 2.64s
45.097 N ±13.9km 151.104 E ±18.5km
DEPTH = 40.7 ± 19.7 km
4.7mb (27 obs.)
KURIL ISLANDS (221)

KUSJ 5.02 249 eP 49 20.50 -0.8
eS 50 14.20
ASAJ 6.12 264 eP 49 38.60 1.8
HOOJ 6.28 247 eP 49 40.90 1.9
eS 50 47.50
MRRJ 7.74 253 eP 50 00.40 1.0
eS 51 24.10
AOMJ 9.09 244 eP 50 15.50 -2.6
eS 51 52.80
OFUJ 9.23 233 eP 50 18.10 -2.0
eS 51 55.40
YAMJ 10.78 234 P 50 40.90 -0.5
YAK 21.01 331 iPd 52 50.60 2.1
e 56 32.00
BJI 26.08 271 eP 53 39.00 1.1
HHC 29.04 276 eP 54 05.00 0.1
1.0s 10.00nm 4.4mb
LZH 36.55 273 eP 55 11.00 0.8
1.2s 19.00nm 4.9mb
GTA 37.86 280 P 55 21.50 0.3
CD2 39.35 266 P 55 34.00 0.4
YKA 53.09 35 eP 57 31.20 9.6X
1.1s 2.10nm 4.0mb
GUN 53.75 275 P 57 26.80 -0.5
0.4s 10.00nm 5.2mb
KKN 54.24 275 P 57 30.40 -0.4
PKI 54.28 275 P 57 30.20 -1.0
DMN 54.47 275 P 57 32.00 -0.6
GKN 54.57 276 P 57 32.40 -0.7
0.4s 9.00nm 5.2mb
WRA 66.51 197 P 58 57.20 3.1
1.1s 0.90nm 3.7mb
NB2 69.33 340 P 59 09.00 -2.4
0.5s 1.50nm 4.3mb
HFS 69.50 339 eP 59 09.80 -2.6
0.4s 2.10nm 4.5mb
CLL 77.37 335 iPd 59 57.70 -0.7
1.3s 17.00nm 4.9mb
EKA 77.60 345 P 59 59.00 -0.6
0.4s 1.10nm 4.2mb
WTS 78.51 338 eP 00 04.00 -0.6
0.7s 8.00nm 4.8mb
SRO 78.63 330 iP 00 04.90 -0.4
ZST 78.73 331 eP 00 06.40 0.5
KHC 79.10 333 eP 00 08.00 0.0
1.0s 5.40nm 4.5mb
e 00 12.00
GEC2 79.31 333 P 00 08.00 -1.2
0.5s 1.85nm 4.3mb
GRF 79.34 335 ePc 00 09.40 0.2

23d 04h

```
         1.1s    22.00nm            5.0mb
ENN     79.86 338 eP     00 11.50  -0.5
         0.7s     9.00nm            4.8mb
KBA     80.97 332 iPd    00 18.60   0.4
         0.8s     8.00nm            4.7mb
ECP     81.18 346 eP     00 30.70  11.8X
WTTA    81.36 333 iPc    00 20.30   0.1
         0.5s     6.70nm            4.9mb
CDF     81.64 337 iPc    00 21.10  -0.4
         0.8s     4.55nm            4.5mb
OHR     83.33 325 e(P)   00 30.20  -0.2
LOR     83.61 338 iPc    00 31.50  -0.2
         0.7s     6.50nm            4.8mb
LBF     83.84 338 iPc    00 32.70  -0.2
         0.7s     4.20nm            4.6mb
SSF     83.90 338 iPc    00 33.00  -0.1
         0.6s     3.25nm            4.6mb
AVF     84.19 338 iPc    00 34.70   0.2
         0.6s     3.05nm            4.6mb
SMF     84.19 338 iPc    00 34.80   0.2
         0.8s     8.20nm            4.9mb
LPL     84.42 336 eP     00 36.50   0.5
LPG     84.43 336 eP     00 36.80   0.6
MAF     84.92 339 eP     00 39.10   0.9
         0.8s    16.80nm            5.3mb
TCF     84.95 339 eP     00 39.00   0.6
         0.9s     6.40nm            4.8mb
LSF     85.16 339 eP     00 40.00   0.6
         0.9s    15.90nm            5.2mb
RJF     86.04 339 eP     00 44.60   0.7
LPO     86.71 339 eP     00 48.20   1.1
         0.4s     2.50nm            4.8mb
      S.D. = 1.2  on  46 of  48 obs.
--------------------------------------
     JUN 23, 1992 04h 52m 36.32± 0.37s
      3.595 S ± 2.8km 129.088 E ± 3.8km
     DEPTH =  74.8 ±  3.5 km
     5.6mb ( 39 obs.)
   SERAM, INDONESIA                (272)
        Felt (III) at Sorong.
        CENTROID, MOMENT TENSOR    (HRV)
        Data Used: GDSN
        L.P.B.: 33S, 68C
        Centroid Location:
        Origin Time        04:52:45.9 0.3
        Lat  3.16S 0.03 Lon 129.54E 0.03
        Dep  58.8 2.5 Half-duration  2.9
        Moment Tensor;   Scale 10**17 Nm
          Mrr= 0.05 0.11  Mtt= 3.60 0.14
          Mff=-3.64 0.20  Mrt=-3.49 0.15
          Mrf= 0.38 0.14  Mtf= 2.17 0.13
         Principal Axes:
          T  Vol=  6.03  Plg=29  Azm=169
          N       -1.31      54      308
          P       -4.72      20       67
        Best Double Couple:Mo=5.4*10**17
         NP1:Strike=205 Dip=54 Slip= 173
         NP2:       300     84        36
SWI      3.47  39 iPc    53 27.70  -1.4
                  e      00 18.50
MTN      9.41 168 eP     54 51.30  -0.2
PCI      9.62 286 iPc    54 59.00   4.7X
                  i(S)   56 43.30
                  e      01 55.50
BIP     12.08 346 ePd    55 26.00  -1.3
                  eS     57 45.00
KNA     12.08 181 iPc    55 27.50   0.1
         0.8s   541.00nm          6.5mb X
CGP     12.75 340 ePc    55 34.00  -2.2
WWKK    14.51  91 eP     55 59.50   0.2
MNDI    14.74 101 eP     56 01.00  -1.4
                  eS     58 39.00
PLP     15.22 344 eP     56 10.50   2.1
KKM     16.03 307 ePd    56 20.50   1.7
         0.9s   257.60nm          5.4mb
MDG     16.72  96 ePc    56 29.10   1.8
WB2     17.04 163 eP     56 27.80  -3.5X
         0.3s   247.10nm          5.9mb
                  i      56 31.70
                  eS     59 30.60
LAT     18.10 100 eP     56 45.90   1.6
PGP     18.81 335 iP     56 54.00   1.2
PMG     18.85 109 iPc    56 54.00   0.7
         0.9s    60.50nm          4.8mb
FINC    18.93 100 eP     56 56.60   2.4
TGY     19.35 335 eP     57 00.00   1.2
```

```
                   eS     57 25.00
MBL     19.64 207 iPc    57 01.00  -0.8
         0.6s   192.00nm          5.6mb
OIS     19.73 150 iPc    57 01.40  -1.3
                  iS     00 33.50
QVP     19.79 336 eP     57 04.50   1.1
ASPA    20.49 167 iPc    57 10.60   0.0
         0.7s  5114.90nm          7.0mb X
                  iPcS   00 39.50
                  iS     00 51.90
                  iScS   08 27.90
BCP     21.58 337 eP     57 22.00   0.5
WARB    22.58 186 iPc    57 32.50   1.0
GUA     23.16  42 e(P)   57 36.50  -0.6
         1.2s  2150.00nm          6.5mb
GUMO    23.16  42 e(P)   57 34.70  -2.4
         1.2s  2190.10nm          6.5mb
                  e      57 56.00
                  e      59 01.80
                  eS     01 47.40
PJG     23.16  42 e(P)   57 36.50  -0.6
PIP     23.33 339 ePd    57 38.00  -0.6
CTA     23.43 136 iPc    57 41.50   1.8
         1.1s  1705.70nm          6.4mb
                  i      58 11.10
                  eS     01 54.20
CTAO    23.43 136 iPc    57 41.37   1.7
                  iS     01 54.00
KGM     26.35 282 ePc    58 08.00   0.6
                  e      58 25.60
FORT    27.06 182 iPc    58 12.90  -0.7
OLP     27.07 149 iPc    58 14.00   0.1
         1.3s  1517.00nm          6.4mb
                  i      58 50.00
COOL    28.16 195 eP     58 22.00  -1.7
MRWA    28.35 205 eP     58 24.10  -1.3
         0.3s     6.00nm          4.7mb
IPM     29.19 286 ePd    58 33.90   0.8
         0.6s   124.80nm          5.7mb
BAL     29.30 202 eP     58 32.40  -1.5
KLB     29.82 200 eP     58 36.70  -1.8
         0.3s    10.00nm          5.1mb
SNG     30.36 291 eP     58 44.90   1.4
STK     30.49 159 iPc    58 44.40   0.0
         1.2s    98.40nm          5.4mb
                  i      59 01.30
                  iPP    59 54.10
                  eS     03 37.90
MUN     30.72 202 eP     58 44.00  -2.4
NWAO    31.22 199 eP     58 49.50  -1.3
      Z  20s     1.20um           4.6Msz
ADE     32.47 165 iPc    59 02.10   0.4
         1.2s  1750.00nm          6.8mb X
NNT     33.30 299 iPd    59 10.00   0.8
LOE     34.12 309 iPd    59 17.00   0.7
ARMA    34.14 144 iPd    59 17.50   1.1
         1.0s   132.00nm          5.8mb
                  i      00 37.40
KHT     35.30 302 iPd    59 27.90   1.5
SSE     35.31 348 P      59 26.00  -0.2
         1.0s    18.00nm          5.0mb
      Z  20s     0.90um           4.5Msz
      E  14s     0.70um
                  pP     59 44.30   75kmX
                  S      04 50.00
                  i      05 28.00
                  SS     06 12.00
BWA     35.55 152 iPc    59 30.40   2.1
                  iPcP   00 52.30
                  iScP   05 33.00
BFD     35.63 161 iPc    59 28.00  -0.9
         0.6s   146.00nm          6.1mb
                  i      00 48.60
BDT     36.20 306 iPd    59 35.80   1.9
         0.9s   242.20nm          6.1mb
CAN     36.56 152 iPc    59 37.90   1.1
                  iPcP   01 03.60
                  iScP   05 38.20
TOO     37.01 158 iPc    59 42.00   1.5
         1.0s   314.00nm          6.2mb
                  i      01 07.00
CHG     37.10 308 iPd    59 43.40   1.9
         0.9s   193.28nm          6.0mb
TKSJ    37.67   7 eP     59 45.80  -0.2
SHK     38.07   5 eP     59 49.00  -0.4
WKYJ    38.11   9 eP     59 49.20  -0.6
KMI     38.33 320 Pd-    59 53.50   1.5
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         1.5s   220.00nm          5.9mb
      Z  20s     1.00um           4.6Msz
      N  14s     1.30um
      E  14s     1.10um
                  pP     00 05.00   42kmX
                  sP     00 12.50
                  ScP    05 06.50
                  S      06 12.00
                  sS     06 20.00
                  SS     09 20.00
YONJ    38.80   6 eP     59 54.60  -0.8
TSRJ    39.46   9 P      00 01.00   0.1
CHJJ    40.51  12 P      00 08.00  -1.6
DZM     40.61 120 iPc    00 10.50  -0.2
MTMJ    40.79  11 P      00 11.50  -0.5
MAT     40.83  11 iPd    00 10.90  -1.3
         1.0s    58.00nm          5.4mb
      Z  20s     0.71um           4.5Msz
                  eS     06 02.00
KAKJ    40.93  14 P      00 11.70  -1.3
NIIJ    41.66  12 P      00 17.80  -1.2
YAMJ    42.78  13 P      00 29.00   0.9
OFUJ    44.02  14 P      00 38.90   0.7
BJI     45.01 346 eP     00 45.50  -0.6
         1.2s    65.00nm          5.3mb
                  e      01 07.00
                  eS     06 40.00
                  esS    07 36.00
                  eScS   10 35.50
AOMJ    45.14  12 eP     00 48.80   1.7
LZH     46.00 331 Pd     00 54.50   0.3
         1.6s   137.00nm          5.6mb
      Z  30s     2.35um           5.0MszX
      N  12s     0.52um
      E  13s     0.55um
                  i      01 06.50
                  pP     01 15.60   87kmX
                  sP     01 25.50
                  PcP    02 32.00
                  PP     02 45.00
                  ScP    06 16.00
                  eS     07 35.00
                  sS     08 08.00
                  ScS    10 40.00
                  SS     10 55.00
MRRJ    47.08  12 eP     01 02.70   0.3
HOOJ    47.54  14 eP     01 06.90   0.9
KUSJ    48.57  15 P      01 14.00   0.0
ASAJ    49.03  13 P      01 17.60   0.0
GUN     52.06 310 Pd     01 40.10  -1.3
PKI     52.26 309 Pd     01 41.00  -1.8
KKN     52.47 309 Pd     01 42.80  -1.4
DMN     52.51 309 Pd     01 43.30  -1.3
GKN     53.07 309 Pd     01 47.10  -1.4
KOD     53.21 286 eP     01 49.30  -0.6
MSZ     53.24 146 P      01 50.40   1.1
ORZ     53.81 140 P      01 54.60   1.0
DSZ     53.84 141 eP     01 53.20  -0.6
HYB     54.05 294 ePd    01 55.00  -0.7
         1.0s   110.00nm          5.8mb
TLC     54.21 146 P      01 56.20  -0.5
EWZ     54.24 143 P      01 57.50   0.8
MHZ     54.25 146 P      01 56.40  -0.5
LSCZ    54.33 146 P      01 56.80  -0.7
MSCZ    54.34 146 P      01 57.00  -0.5
THZ     54.54 141 P      01 59.20   0.1
         0.7s    48.00nm          5.6mb
LTZ     54.69 142 P      01 59.60  -0.5
DIW     54.70 139 P      01 59.40  -0.8
BSZ     54.88 137 eP     02 02.50   1.1
ODZ     55.01 145 P      02 01.50  -0.8
TCW     55.14 139 P      02 02.60  -0.7
KHZ     55.29 141 P      02 03.80  -0.5
KIW     55.38 139 P      02 04.70  -0.4
MRW     55.43 139 P      02 04.10  -1.3
                  e      02 15.80
MQZ     55.43 143 P      02 05.50   0.1
MNG     55.64 138 P      02 06.10  -0.9
WAHZ    55.80 137 P      02 07.80  -0.3
MTW     55.92 139 P      02 07.70  -1.2
BLW     56.00 139 P      02 08.40  -1.1
TTH     56.05 136 P      02 10.30   0.4
AMW     56.16 139 P      02 10.10  -0.5
PGZ     56.17 138 P      02 09.80  -0.9
                  e      02 29.20
MCQ     56.26 160 iPd    02 15.80   4.7X
PUZ     56.41 134 eP     02 10.80  -1.8
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NOZ 56.48 135 P 02 12.70 -0.3
NDI 59.22 306 iPc 02 30.00 -2.4
1.0s 40.00nm 5.5mb
eS 10 30.00
IRK 59.49 343 ePd 02 33.00 -0.8
e 02 38.10
e 02 57.00
e 03 24.00
e 05 09.00
LR 23 17.00
CSY 63.92 188 iPd 03 02.70 -0.5
0.8s 16.20nm 5.0mb
YAK 65.43 0 iPd 03 12.90 0.0
1.0s 302.00nm 6.2mb
ipP 03 35.00 86kmX
iPcP 03 45.00
iPP 05 33.00
iS 11 49.00
ePS 12 19.00
isS 12 22.00
iScS 12 57.00
SMY 67.69 28 eP 03 27.36 -0.2
1.1s 274.68nm 6.1mb
OUE 68.12 304 iPd 03 30.80 -0.1
1.0s 32.50nm 5.2mb
e 06 22.60
eS 12 23.40
GAR 68.64 314 iP 03 33.20 -0.7
ADK 71.77 32 iPd 03 52.01 -0.5
1.4s 238.64nm 5.9mb
MAIO 75.85 309 iPd 04 17.00 0.4
eSn 14 23.00
MHA 77.22 68 eP 04 25.41 1.0
MAW 77.77 201 iPc 04 27.00 0.5
1.1s 68.00nm 5.5mb
SVW 86.06 28 iPd 05 10.93 1.1
0.9s 62.22nm 5.6mb
TTA 86.35 26 iPd 05 11.79 0.5
1.0s 51.21nm 5.5mb
KDC 86.85 32 iP 05 14.18 0.6
REF 87.31 29 ePd 05 15.16 -0.9
CPKM 87.70 28 eP 05 18.80 0.8
CRP 87.74 28 ePd 05 17.33 -0.7
IMA 88.10 23 eP 05 18.58 -1.1
1.0s 11.13nm 5.0mb
SLKM 88.52 29 eP 05 19.86 -1.8
PMR 89.22 28 iPd 05 24.21 -0.7
0.8s 20.10nm 5.4mb
FBA 90.30 25 eP 05 28.51 -1.4
KLU 90.74 29 iPc 05 30.01 -2.0
OBN 94.35 325 eP 05 48.00 -0.7
e 06 12.00
MBC 98.52 13 ePc 06 07.10 -0.2
1.1s 17.00nm 5.5mb
VRI 101.18 316 ePdiff06 20.50 0.6
MLR 101.77 316 ePdiff06 23.00 0.3
e 10 33.00
OJC 105.04 321 ePKP 11 06.50 15.0X
YKA 105.10 26 ePdiff06 27.70 -9.2X
1.0s 3.20nm 5.3mb
YKA 105.10 26 ePKP 10 50.70 -0.4
1.5s 5.10nm
RMW 105.51 42 ePKP 10 53.64 1.1
HFS 105.55 332 ePdiff06 38.10 -0.9
0.4s 1.00nm 5.2mb
NB2 106.35 333 Pdiff 06 41.60 -1.0
0.9s 2.80nm 5.3mb
BRG 108.47 323 ePKP 11 04.00 6.1X
GEC2 109.23 321 PKP 10 58.70 -0.9
0.7s 1.62nm
LJU 109.49 318 ePKP 10 49.50 -10.5X
BCAO 110.74 273 ePKPd 11 04.20 0.9
0.5s 3.00nm
id 12 40.00
DUG 113.58 48 PKP 11 09.00 0.8
LPG 114.82 319 ePKP 11 10.40 -0.2
0.8s 6.05nm
LPL 114.82 319 ePKP 11 10.20 -0.3
0.8s 6.05nm
LOR 115.96 322 iPKPc 11 12.70 0.4
0.7s 3.10nm
Z 23s 0.43um 5.0MszX
LBF 116.00 321 iPKPc 11 12.90 0.4
0.8s 3.35nm
SSF 116.26 322 iPKPc 11 13.50 0.6
0.6s 3.95nm
BGF 116.89 321 ePKP 11 14.30 0.2
0.8s 10.50nm
MAF 117.21 321 ePKP 11 15.20 0.5
TCF 117.40 321 iPKPc 11 15.80 0.7
0.8s 5.10nm
CAF 118.08 320 iPKPc 11 17.60 1.1
0.9s 7.35nm
RSSD 118.33 41 iPKP 11 16.86 -0.4
LPF 118.55 324 iPKPc 11 17.90 0.7
0.8s 7.95nm
MFF 118.71 322 iPKPc 11 18.10 0.6
0.7s 8.60nm
LPO 118.75 320 iPKPc 11 18.90 1.2
0.8s 5.10nm
GOL 119.16 46 iPKP 11 19.69 0.7
ACO 124.85 47 iPKPd 11 30.70 1.0
SIO 127.33 47 ePKP 11 34.60 0.1
TUL 127.62 46 ePKP 11 35.20 0.2
0.9s 6.80nm
Z 22s 0.45um 5.1Msz
LR 40 57.00
VVO 127.92 47 ePKP 11 35.60 0.0
KIC 133.93 275 PKP 11 48.00 0.4
LIC 134.22 275 PKP 11 49.30 1.1
TKL 135.96 39 ePKP 11 50.95 0.0
LMN 136.20 14 ePKP 11 50.00 -1.0
RTBS 140.75 155 iPKPc 11 54.70 -5.1X
CFA 141.30 156 e(PKP)11 55.00 -5.9X
ANT 146.87 146 ePKP 12 12.10 1.7
NNA 149.93 121 ePKP 12 17.50 2.0
1.1s 53.16nm
ARE 151.52 135 ePKP 12 26.00 7.8X
VAO 153.29 188 ePKP 12 22.90 2.6X
e 12 41.50
CNCB 153.63 141 PKP 12 23.20 1.7
i 16 12.50
LPB 153.76 140 PKP 12 23.70 2.2
i 16 17.00
ZOBO 153.92 140 PKP 12 23.10 1.1
1.0s 18.75nm
Z 20s 0.20um 4.9Msz
i 16 03.80
LR 29 04.00
CCH 154.30 145 ePKP 12 24.00 1.9
i 12 48.50
SIV 158.10 153 PKP 12 28.60 1.9
i 13 01.80
S.D. = 1.1 on 168 of 179 obs.

JUN 23, 1992 04h 52m 49.55± 0.24s
18.893 S ± 8.3km 172.337 E ± 6.6km
DEPTH = 33.0km (normal)
5.6mb (18 obs.)
VANUATU ISLANDS REGION (185)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 04:52:50.3 1.0
Lat 19.29S 0.10 Lon 171.88E 0.14
Dep 16.1 5.3 Half-duration 3.0
Moment Tensor; Scale 10**17 Nm
Mrr=-2.05 0.26 Mtt= 1.19 0.19
Mff= 0.86 0.37 Mrt= 1.75 0.84
Mrf= 0.18 0.59 Mtf= 0.16 0.27
Principal Axes:
T Val= 1.99 Plg=23 Azm=348
N 0.82 3 79
P -2.81 66 176
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 72 Dip=22 Slip= -98
NP2: 260 68 -87
DZM 6.36 239 iPd 54 22.00 -1.6
iS 55 30.00
MOZ 19.66 174 eP 57 21.10 2.4
NOZ 20.27 167 eP 57 26.40 1.4
ARMA 22.00 235 eP 57 43.00 0.1
RMQ 23.01 247 iPc 57 53.20 0.5
0.9s 81.00nm 5.2mb
i 59 26.00
i 59 45.40
RIV 24.04 228 iPd 58 20.00 17.4X
i 59 38.00
i 01 12.00
CNB 26.09 227 eP 58 22.00 -0.2
1.2s 413.00nm 5.9mb
i 59 39.70
BWA 26.29 229 eP 58 21.50 -2.5
CAN 26.34 227 eP 58 24.40 -0.1
CMS 26.99 237 eP 58 29.00 -1.4
1.0s 147.00nm 5.6mb
i 58 57.00
i 00 10.00
AFR 35.97 94 eP 59 48.00 -1.4
1.4s 95.00nm 5.5mb
PAE 36.14 94 eP 59 49.00 -1.8
1.4s 120.00nm 5.6mb
PPT 36.15 94 eP 59 49.00 -2.0
1.4s 120.00nm 5.6mb
PPN 36.30 94 eP 59 51.00 -1.2
1.4s 65.00nm 5.3mb
TVO 36.43 95 eP 59 52.00 -1.4
1.4s 125.00nm 5.6mb
PMO 38.18 90 iP 00 08.00 0.0
1.3s 150.00nm 5.7mb
VAH 38.39 91 iP 00 09.60 -0.2
1.3s 95.00nm 5.5mb
TPT 38.45 90 iP 00 10.40 0.1
1.3s 150.00nm 5.6mb
RUV 38.63 91 iP 00 11.20 -0.6
1.3s 180.00nm 5.7mb
PCI 54.46 283 ePd 02 17.00 0.6
1.1s 5.00nm 4.5mb X
e 07 54.90
SBA 59.06 181 iPc 02 49.30 0.9
SDN 77.46 15 iPd 04 40.69 -2.3
1.3s 564.35nm 6.4mb
KDC 81.76 18 iPd 05 05.27 -0.7
BCH 83.62 50 ePd 05 17.20 0.9
ARN 83.63 47 iPd 05 16.79 0.5
SVW 83.78 15 iP 05 22.79 6.3X
ABL 84.09 50 iPc 05 19.71 0.9
ORV 84.74 45 eP 05 22.09 0.4
SSK 84.92 51 eP 05 23.32 0.4
ISA 85.00 50 iPd 05 23.80 0.6
1.2s 70.76nm 5.7mb
PLM 85.15 52 eP 05 24.35 0.2
PEC 85.17 52 iPd 05 24.18 0.2
0.7s 6.37nm 4.9mb
LBFM 85.37 44 iPc 05 26.01 0.9
BONR 86.18 48 iPc 05 30.18 0.9
GLA 86.56 54 eP 05 30.85 -0.1
TNP 87.00 48 iPd 05 33.45 0.3
1.2s 21.55nm 5.3mb
BMW 87.15 39 iPd 05 33.46 -0.1
TPNV 87.18 49 iPc 05 35.14 1.1
BALM 87.54 20 eP 05 33.61 -1.6
SHW 87.59 39 eP 05 37.61 1.9
GMW 87.96 38 iPd 05 37.33 0.0
LON 88.13 39 eP 05 37.82 -0.4
RMW 88.49 38 iPc 05 39.65 -0.3
MCW 88.52 37 eP 05 40.41 0.4
FBA 88.92 16 iPc 05 39.04 -2.5
0.9s 10.29nm 5.2mb
ARUT 89.57 50 iPd 05 45.75 0.3
PNT 90.67 37 ePd 05 50.00 0.0
MSU 90.77 49 iPd 05 51.65 0.6
DPW 90.82 39 eP 05 50.67 -0.1
HVU 91.66 46 eP 05 55.12 0.1
DAU 92.17 48 eP 05 57.72 0.2
SRU 92.19 49 iPd 05 57.50 0.0
EMUT 92.25 49 iPd 05 58.22 0.4
ALO 93.70 54 iPd 06 05.29 0.7
1.3s 23.86nm 5.5mb
SES 96.15 39 eP 06 15.00 -0.2
PPD 121.04 132 ePKP 11 36.60 -4.5X
NB2 135.82 347 PKP 12 03.70 -4.5X
0.9s 2.90nm
CLL 143.76 338 iPKPc 12 18.90 -3.9X
1.4s 22.00nm
e 14 14.00
BRG 143.78 337 iPKPc 12 18.80 -4.0X
1.3s 32.00nm
PRU 144.26 335 PKP 12 20.60 -3.1X
1.6s 26.20nm
e 12 56.00
MOX 144.80 339 iPKP 12 22.40 -2.2
1.6s 65.00nm
DMU 145.06 359 ePKP 12 23.30 -1.6
1.0s 116.00nm
WTS 145.06 344 ePKP 12 22.50 -2.4
1.3s 75.00nm
e 12 32.50
KHC 145.32 335 PKP 12 24.60 -1.0

23d 05h

1.3s 33.00nm
e 12 30.50
GEC2 145.50 335 PKP 12 23.50 -2.5
0.8s 13.18nm
DCN 145.62 360 iPKPd 12 24.70 -1.2
1.0s 244.00nm
DLF 145.65 359 iPKPd 12 24.60 -1.3
1.0s 348.00nm
GRF 145.74 338 iPKPd 12 25.90 -0.3
Z 20s 0.20um 4.9Msz
VAY 145.88 317 iPKP 12 24.00 -2.7X
SKO 146.24 319 ePKP 12 25.00 -2.3
1.0s 70.00nm
i 12 27.00
i 12 29.50
ETA 146.25 358 ePKP 12 27.20 0.3
ENN 146.41 344 ePKP 12 27.50 0.3
2.0s 609.00nm
e 12 36.00
ECB 146.59 359 ePKP 12 28.10 0.6
PTJ 146.74 329 ePKP 12 27.90 -0.2
UCC 146.76 346 PKP 12 29.00 1.2
ECP 146.77 359 ePKP 12 28.60 0.9
ZAG 146.78 329 iPKPd 12 28.80 0.8
KBA 147.04 333 iPKPd 12 27.90 -0.7
0.9s 14.00nm
ic 12 28.70
SNF 147.05 346 PKP 12 29.50 1.2
OHR 147.12 318 iPKP 12 28.70 -0.1
1.2s 132.00nm
LJU 147.30 331 ePKP 12 29.50 0.6
WLF 147.36 343 PKPd 12 31.00 2.2
VBY 147.36 329 iPKPc 12 30.90 1.9
WTTA 147.59 335 iPKPd 12 30.40 0.9
1.3s 49.80nm
ic 12 30.90
VOY 147.60 331 ePKP 12 29.50 0.0
CDF 148.16 341 PKP 12 31.94 1.7
ECH 148.37 341 PKP 12 32.31 1.8
FEL 148.40 340 PKP 12 32.43 1.7
MOF 148.70 341 PKP 12 33.34 2.2
VITF 148.72 342 PKP 12 33.50 2.4X
HAU 148.80 342 ePKP 12 33.70 2.5X
BSF 148.82 341 PKP 12 33.54 2.2
LOMF 149.24 341 PKP 12 34.87 2.9X
FLN 149.64 351 iPKPd 12 35.60 3.2X
1.0s 44.00nm
LDF 149.75 350 iPKPd 12 35.80 3.2X
1.2s 48.20nm
GRR 150.06 351 iPKPd 12 36.90 3.8X
LOR 150.17 344 iPKPd 12 37.20 3.9X
0.9s 28.15nm
LBF 150.40 344 iPKPd 12 37.60 3.9X
0.9s 14.10nm
LPF 150.44 351 iPKPd 12 37.90 4.3X
1.5s 137.90nm
SSF 150.45 344 iPKPd 12 38.00 4.3X
1.1s 53.00nm
AVF 150.74 344 ePKP 12 38.30 4.2X
1.1s 13.65nm
SMF 150.75 344 iPKPd 12 38.30 4.1X
0.9s 10.80nm
LPL 150.89 339 iPKPd 12 39.40 4.7X
1.0s 20.60nm
LPG 150.90 339 ePKP 12 39.50 4.7X
0.9s 20.15nm
BGF 151.08 345 iPKPd 12 39.30 4.6X
0.6s 13.90nm
MAF 151.47 345 iPKPd 12 40.30 5.0X
1.0s 12.20nm
TCF 151.49 346 iPKPd 12 40.30 5.0X
1.0s 23.80nm
MFF 151.68 349 ePKP 12 40.60 5.0X
1.0s 23.20nm
LSF 151.68 346 iPKPd 12 40.40 4.8X
0.8s 11.80nm
PGF 152.51 333 ePKP 12 42.10 5.1X
0.9s 39.65nm
RJF 152.58 346 ePKP 12 42.70 5.8X
0.9s 11.80nm
FRF 152.61 337 ePKP 12 42.40 5.4X
1.3s 45.85nm
CAF 152.80 345 iPKPd 12 43.30 6.0X
LMR 152.86 337 ePKP 12 43.00 5.7X
1.0s 24.60nm
LFF 153.10 347 ePKP 12 43.90 6.3X
0.7s 7.95nm
LPO 153.24 346 ePKP 12 44.30 6.5X
1.2s 29.15nm
S.D. = 1.2 on 82 of 116 obs.

% JUN 23, 1992 05h 47m 39.60± 0.98s
44.125 N ± 7.2km 7.990 E ± 7.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.5 (GEN).

ROB 0.19 333 P 47 44.28 0.4
S 47 46.79
IMI 0.23 199 P 47 44.65 0.1
S 47 47.86
ENR 0.42 284 P 47 48.36 0.1
S 47 54.22
STV 0.49 284 P 47 49.18 -0.5
PCP 0.58 43 P 47 51.14 -0.2
S.D. = 0.5 on 5 of 5 obs.

% JUN 23, 1992 05h 54m 40.77± 0.94s
44.131 N ± 6.9km 7.987 E ± 6.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

ROB 0.18 333 P 54 45.61 0.7
S 54 48.19
IMI 0.23 198 P 54 45.93 0.2
S 54 49.19
ENR 0.42 283 P 54 49.37 0.0
S 54 55.52
STV 0.49 284 P 54 50.70 0.0
PCP 0.57 44 P 54 52.24 -0.2
PZZ 0.74 301 P 54 54.70 -0.6
S.D. = 0.6 on 6 of 6 obs.

• JUN 23, 1992 06h 10m 19.33± 1.73s
38.905 N ±11.6km 21.359 E ±18.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.1 (ATH).

VLS 0.94 220 ePg 10 37.30 0.0
LSK 1.38 335 ePn 10 43.20 -1.4
SRN 1.43 313 ePn 10 46.70 1.4
KZN 1.44 13 ePb 10 49.00 3.5X
KEK 1.46 304 ePn 10 48.00 2.3X
VLO 2.12 318 ePn 10 54.50 -0.8
OHR 2.25 349 ePn 10 59.70 2.6X
VLI 2.51 150 ePb 11 09.00 8.1X
VAY 2.59 21 ePn 11 01.40 -0.5
TIR 2.69 335 ePn 11 12.00 8.5X
PHP 2.87 346 ePn 11 11.00 5.1X
SKO 3.06 1 ePn 11 10.00 1.3
S.D. = 1.5 on 6 of 12 obs.

? JUN 23, 1992 06h 14m 51.15± 1.77s
38.908 N ±12.0km 21.299 E ±22.0km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 2.9 (ATH).

VLS 0.92 218 ePn 15 08.60 -0.1
eSn 15 19.50
KEK 1.41 305 ePb 15 17.40 0.5
eSn 15 36.00
KZN 1.44 14 ePn 15 18.00 0.6
eSn 15 32.50
OHR 2.23 350 ePn 15 27.80 -1.0
S.D. = 1.3 on 4 of 4 obs.

? JUN 23, 1992 06h 22m 59.92± 9.82s
39.910 N ±69.8km 19.539 E ±56.0km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 2.6 (TIR).

SRN 0.36 95 ePg 23 06.70 -0.6
iSg 23 14.20
VLO 0.56 357 ePn 23 11.00 -0.2
LSK 0.85 73 ePg 23 17.20 0.8
TIR 1.46 10 ePn 23 25.50 -0.7
SDA 2.10 359 ePn 23 37.50 1.9
PUK 2.15 7 ePn 23 34.90 -1.3
S.D. = 1.5 on 6 of 6 obs.

& JUN 23, 1992 06h 25m 04.73s
59.880 N 153.525 W
DEPTH = 148.9km
SOUTHERN ALASKA (2)
<AEIC>.

IVS 0.26 60 P 25 23.80 -0.2
INW 0.27 46 eP 25 24.47 0.6
eS 25 39.69
INE 0.30 52 eP 25 24.67 0.7
eS 25 40.56
PDB 0.35 255 iP 25 24.46 0.5
eS 25 39.30
AUL 0.50 175 eP 25 25.56 -0.6
AUH 0.52 175 P 25 25.60 -0.8
AUP 0.52 174 eP 25 25.79 -0.6
AUE 0.53 171 eP 25 25.56 -0.7
AUI 0.55 175 eP 25 25.48 -1.0
RED 0.66 35 eP 25 26.34 -0.9
eS 25 42.65
RS1 0.70 33 eP 25 26.89 -0.7
eS 25 44.41
RS2 0.70 33 eP 25 26.89 -0.7
eS 25 44.18
RSO 0.70 33 eP 25 26.89 -0.7
eS 25 44.35
REF 0.74 34 eP 25 26.56 -1.3
eS 25 43.63
MCNL 0.81 211 eP 25 27.10 -1.1
CDD 0.96 184 eP 25 28.23 -1.1
eS 25 46.91
HOM 0.98 102 eP 25 28.78 -0.7
eS 25 46.88
XLV 1.01 114 eP 25 28.99 -0.8
NNL 1.13 81 eP 25 30.91 0.1
BKG 1.35 27 eP 25 32.37 -0.7
eS 25 53.97
SYI 1.40 155 eP 25 32.25 -1.2
eS 25 53.49
CKL 1.45 23 eP 25 33.55 -0.5
eS 25 56.16
SPU 1.49 28 eP 25 33.82 -0.7
eS 25 55.86
BGL 1.50 21 eP 25 34.58 0.0
CKN 1.50 26 eP 25 35.11 0.5
CPKM 1.53 24 (P) 25 34.24 -0.8
CRP 1.55 25 eP 25 32.97 -2.3
SVW 1.61 321 P 25 34.70 -1.1
CGLM 1.62 27 eP 25 35.48 -0.4
NCG 1.67 23 eP 25 36.02 -0.5
SLKM 1.77 68 eP 25 36.08 -1.4
SEW 2.06 82 eP 25 39.40 -1.4
SUA 2.10 40 eP 25 40.37 -1.1
KDC 2.21 165 eP 25 39.80 -2.8
SKT 2.32 24 eP 25 43.81 -0.3
PMS 2.39 53 P 25 43.50 -1.4
PTE 2.44 64 eP 25 43.64 -1.9
KNK 2.93 56 eP 25 50.35 -1.4
CUT 2.98 31 eP 25 51.37 -1.0
SML 3.19 50 eP 25 52.94 -2.2
TTA 3.29 340 iP 25 54.43 -1.9
HIN 3.55 79 eP 25 56.59 -3.2
SCM 3.61 54 P 25 57.20 -3.4
HUR 3.63 29 P 25 59.00 -1.7
MID 3.68 94 P 25 59.70 -1.6
VLZ 3.77 67 eP 26 01.58 -1.0
TRF 3.90 22 eP 26 03.18 -1.3
CVA 3.94 77 eP 26 02.55 -2.2
KLU 4.07 63 eP 26 05.09 -1.6
49 obs. associated

• JUN 23, 1992 06h 55m 09.70± 1.55s
24.023 N ± 7.3km 122.546 E ±13.9km
DEPTH = 46.9 ± 13.8 km
4.4mb (8 obs.) 3.6Msz (1 obs.)
TAIWAN REGION (243)

TWC 0.86 313 iPd 55 25.80 0.2
eS 55 37.30
TWD 0.87 274 iPd 55 24.30 -1.4
eS 55 34.30
TWF1 1.33 240 ePd 55 31.00 -1.1
eS 55 46.50
TATO 1.35 315 iP 55 34.00 1.5
TWZ 1.39 321 iPc 55 34.60 1.6
TWQ 1.58 279 ePc 55 36.10 0.3
TWK 2.03 249 ePd 55 42.10 -0.1

OZH 3.72 285 iPnd 56 03.30 -2.8X
SSE 7.15 351 Pd 56 52.70 -1.6
0.6s 22.00nm 5.1mb
Z 20s 0.50um 4.6Msz
pP 56 56.50
GZH 8.49 266 P 57 15.00 2.0
OIZ 12.82 250 eP 58 11.00 -0.7
GYA 14.58 283 P 58 31.60 -3.3X
TIY 16.16 330 eP 58 55.00 -0.1
CD2 18.02 296 P 59 17.00 -1.4
HHC 19.14 334 P 59 36.00 4.0X
LZH 20.12 311 eP 59 46.50 3.9X
1.5s 28.00nm 4.4mb
Z 20s 0.30um 3.6Msz
pP 59 55.00 32kmX
GTA 24.59 314 eP 00 26.50 -0.3
WB2 45.19 164 eP 03 24.30 0.3
1.0s 5.90nm 4.4mb
ASPA 48.67 166 iPc 03 51.60 0.3
0.5s 4.30nm 4.7mb
STK 58.50 161 iPd 05 04.00 0.5
0.6s 1.80nm 4.4mb
MBC 73.14 13 eP 06 36.00 -0.7
NB2 78.95 332 P 07 08.80 -0.9
0.7s 1.40nm 4.0mb
YKA 82.63 23 eP 07 28.90 -0.2
0.8s 3.90nm 4.5mb
GEC2 83.75 321 PKP 07 37.00 1.8
0.7s 0.65nm 3.8mb
S.D. = 1.2 on 20 of 24 obs.

? JUN 23, 1992 06h 56m 51.61± 0.95s
38.195 N ±15.2km 22.058 E ± 9.0km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 2.8 (ATH).

VLS 1.16 270 ePn 57 13.80 0.5
eSn 57 30.20
ATH 1.33 99 ePn 57 16.50 0.4
eSn 57 34.80
VLI 1.63 154 ePn 57 20.00 -0.5
KZN 2.12 354 ePb 57 33.00 5.4X
KEK 2.32 311 ePn 57 30.00 -0.5
OHR 3.07 342 ePn 57 50.50 9.4X
S.D. = 1.0 on 4 of 6 obs.

• JUN 23, 1992 07h 23m 38.69± 0.66s
32.134 S ± 6.8km 179.412 E ±11.7km
DEPTH = 331.5 ± 8.8 km
5.1mb (4 obs.)
SOUTH OF KERMADEC ISLANDS (179)

RAO 3.68 39 P 24 42.90 -0.8
eS 25 30.00
PUZ 6.00 189 P 25 10.40 0.9
S 26 23.40
WLZ 6.52 208 P 25 23.10 7.5X
MOZ 7.39 209 P 25 33.60 7.7X
PGZ 8.84 196 P 25 44.80 1.4
MNG 9.04 199 P 25 46.40 0.5
S 27 27.00
KIW 9.43 201 P 25 50.50 -0.1
MTW 9.54 198 P 25 52.30 0.4
CAW 9.61 200 P 25 52.80 0.0
AMW 9.61 197 eP 25 52.20 -0.6
DIW 9.71 206 P 25 55.00 1.0
MRW 9.83 201 P 25 55.10 -0.4
S 27 44.50
MOW 9.85 199 P 25 55.30 -0.4
TCW 9.95 203 eP 25 56.40 -0.5
ORZ 10.29 211 P 26 02.00 0.9
THZ 10.93 207 P 26 09.30 0.5
S 28 08.60
KHZ 11.28 203 P 26 13.40 0.4
DSZ 11.36 210 P 26 13.70 -0.3
LTZ 12.04 206 eP 26 20.80 -1.5
MQZ 12.72 203 P 26 28.90 -1.5
S 28 46.60
ODZ 14.59 205 P 26 51.40 -0.9
DZM 15.28 308 iPc 27 00.50 0.7
CAN 25.45 254 iPc 28 41.40 2.3X
BWA 25.96 256 iPc 28 43.50 -0.2
STK 31.96 260 iPc 29 37.90 1.4
0.4s 10.70nm 4.6mb
CTA 31.97 284 iPd 29 37.80 1.2
0.4s 97.03nm 5.6mb

OIS 37.29 278 eP 30 20.50 -1.0
ASPA 40.85 270 iPc 30 50.30 -0.4
0.4s 25.20nm 4.8mb
WB2 41.99 275 iPd 30 59.20 -0.7
0.3s 89.80nm 5.5mb
WARB 46.09 263 eP 31 31.00 -1.4
KAF 145.38 338 iPKP 42 33.70 -4.2X
0.4s 5.90nm
NUR 147.11 337 ePKP 42 31.00 -9.7X
BCAO 147.13 217 iPKPc 42 41.60 -0.6
0.2s 12.00nm
NB2 150.07 348 PKP 42 46.60 1.2
0.5s 2.10nm
HFS 150.43 346 ePKP 42 46.50 0.6
0.4s 1.30nm
S.D. = 0.9 on 30 of 35 obs.

& JUN 23, 1992 07h 57m 34.79s
61.029 N 151.229 W
DEPTH = 79.3km
SOUTHERN ALASKA (2)
<AEIC>.

SPU 0.43 291 iPd 57 47.48 -0.7
eS 57 57.56
CGLM 0.47 307 iPd 57 47.84 -0.7
eS 57 58.70
SUA 0.50 28 iPc 57 48.43 -0.3
eS 57 59.85
CKN 0.50 293 ePd 57 48.20 -0.5
eS 57 58.89
BKG 0.50 275 ePd 57 47.93 -0.9
eS 57 58.44
CRP 0.51 298 P 57 48.40 -0.5
S 57 58.90
CPKM 0.54 296 ePd 57 48.82 -0.5
eS 57 59.51
CKL 0.56 288 iPd 57 48.63 -0.7
NCG 0.59 310 iPd 57 48.96 -0.6
BGL 0.61 293 iPd 57 49.15 -0.7
SLKM 0.72 136 iPc 57 50.41 -0.5
eS 58 02.67
PMS 0.84 74 P 57 51.90 -0.3
PWA 0.90 46 P 57 52.50 -0.3
S 58 07.50
REF 0.90 234 iPc 57 52.30 -0.8
eS 58 06.38
RSO 0.94 233 iPc 57 52.74 -0.8
eS 58 06.72
RS2 0.94 234 ePc 57 52.72 -0.9
eS 58 07.45
RS1 0.94 233 iPc 57 52.80 -0.8
eS 58 06.90
SKT 0.97 352 iPd 57 52.97 -0.7
eS 58 07.16
RED 0.97 232 iPc 57 52.96 -0.9
eS 58 07.29
NNL 0.99 182 iPd 57 54.33 0.4
PTE 1.09 98 ePc 57 54.28 -0.8
SEW 1.28 136 eP 57 56.20 -1.3
INE 1.33 224 ePc 57 57.09 -1.3
eS 58 14.17
GHO 1.34 55 iPc 57 57.55 -0.9
eS 58 14.47
INW 1.35 225 eP 57 57.32 -1.3
eS 58 14.91
HOM 1.39 189 eP 57 58.70 -0.3
eS 58 17.41
KNK 1.40 73 ePc 57 58.13 -1.0
eS 58 16.89
CUT 1.45 18 eP 57 59.30 -0.5
SML 1.60 59 ePc 58 00.63 -1.2
PDB 1.93 231 ePc 58 04.34 -1.9
eS 58 27.50
AUL 1.99 215 eP 58 05.84 -1.2
AUP 2.00 214 eP 58 06.09 -1.2
SCM 2.04 65 eP 58 06.60 -1.3
HUR 2.10 20 eP 58 07.51 -1.0
SVW 2.14 274 P 58 08.10 -1.0
VLZ 2.38 85 ePc 58 10.32 -2.1
eS 58 38.38
HIN 2.41 103 eP 58 09.74 -3.1
CDD 2.43 211 eP 58 11.37 -1.8
TRF 2.47 10 P 58 12.80 -1.1
KTH 2.54 3 P 58 13.50 -1.2
KLU 2.61 77 ePc 58 13.55 -2.1
RND 2.63 24 eP 58 15.99 0.0

TOA 2.65 64 P 58 15.60 -0.6
CVA 2.73 98 eP 58 15.48 -1.7
MID 2.92 121 P 58 17.00 -2.9
SDG 3.09 58 eP 58 21.31 -1.0
PAX 3.34 52 eP 58 25.06 -0.8
GLB 3.61 80 P 58 27.70 -1.8
DDM 3.73 40 eP 58 29.86 -1.3
WRH 3.74 21 eP 58 30.32 -1.0
HDA 3.92 28 eP 58 32.62 -1.2
CCB 3.96 22 eP 58 32.96 -1.3
TGL 4.11 90 eP 58 32.23 -4.4
53 obs. associated

• JUN 23, 1992 09h 02m 15.58± 0.68s
44.331 N ± 9.2km 114.315 W ±12.2km
DEPTH = 10.0km (geophysicist)
WESTERN IDAHO (33)
ML 4.0 (GS).

HPI 1.07 125 iPc 02 37.61 1.6
PTI 2.03 135 ePn 02 49.17 -1.2
iS 03 14.28
HVU 2.79 156 ePn 03 00.75 -0.5
eS 03 38.99
BW06 3.79 113 ePn 03 15.19 -0.4
DUG 4.28 164 ePn 03 23.51 1.1
eS 04 28.38
NEW 4.39 335 ePn 03 24.50 0.7
DPW 4.45 324 ePn 03 24.17 -0.6
DAU 4.52 149 ePn 03 25.89 -0.1
S 04 34.55
EMUT 5.21 149 (Pn) 03 36.19 0.5
S 04 56.75
MSU 6.03 164 ePn 03 46.60 -0.6
S 05 25.10
SES 6.46 19 P 03 48.00 -5.1X
0.6s 3.60nm 4.5mb X
TNP 6.62 200 ePg 03 53.61 -1.8X
1.8s 8.79nm 4.4mb X
BONR 7.04 207 ePg 04 12.48 11.0X
S 05 58.49
GOL 8.11 122 ePn 04 15.70 -0.7
S.D. = 1.0 on 11 of 14 obs.

? JUN 23, 1992 09h 04m 10.84± 6.05s
39.645 N ±35.3km 29.504 E ±35.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.68 267 ePg 04 24.00 -0.3
iSg 04 34.00
IZI 0.69 358 iPg 04 24.00 -0.6
iSg 04 34.50
YLV 0.93 354 ePn 04 29.00 0.4
KCT 1.07 305 iPn 04 30.50 -0.5
BNT 1.41 301 ePn 04 37.50 1.0
S.D. = 0.9 on 5 of 5 obs.

% JUN 23, 1992 09h 31m 48.50± 0.77s
46.446 N ±12.2km 2.767 E ±10.3km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.9 (LDG).

BGF 0.12 26 Pg 31 52.10 0.5
Sg 31 54.50
MAF 0.26 212 Pg 31 54.10 0.0
Sg 31 58.00
TCF 0.42 248 Pg 31 56.90 -0.1
Sg 32 03.40
AVF 0.53 49 Pg 31 58.50 -0.7
Sg 32 05.60
SMF 0.77 75 Pg 32 03.80 0.3
Sg 32 14.60
S.D. = 0.7 on 5 of 5 obs.

? JUN 23, 1992 09h 48m 23.85± 3.07s
35.824 N ±19.9km 6.578 W ±23.3km
DEPTH = 33.0km (normal)
STRAIT OF GIBRALTAR (385)
mbLg 2.8 (MDD).

NKM 1.02 111 iPg 48 42.00 0.1
iSg 48 58.00
EJIF 1.09 55 iPg 48 44.80 1.9
eSg 48 56.80
EVAL 1.76 356 ePn 48 52.60 0.1

23d 09h

```
                      eSn    49 15.00
EHOR      2.26   28 ePn    49 00.00    0.3
                      eSn    49 25.60
EGUA      2.63   67 ePn    49 04.00   -1.0
                      eSn    49 36.00
EPLA      4.25    5 iPn    49 27.70   -0.2
                      eSn    50 15.00
EVIA      4.30   48 ePn    49 27.50   -1.2
                      eSn    50 14.80
     S.D. = 1.2  on    7 of    7 obs.
-----------------------------------------
% JUN 23, 1992  10h 17m 48.95± 0.97s
  38.816 S ± 6.0km  178.160 E ±10.3km
  DEPTH =  35.2 ± 16.6 km
 OFF E. COAST OF N. ISLAND, N.Z. (160)

NOZ       0.22 334 Pc     17 55.80   -0.1
PUZ       0.74   6 Pd     18 03.30    0.3
                   S      18 13.30
PAHZ      0.86 267 Pc     18 05.90    1.1
HBZ       1.22   5 P      18 09.80    0.0
AZ        1.42 294 P      18 13.10    0.3
PATZ      1.55 286 eP     18 14.50   -0.3
WAHZ      1.66 237 eP     18 17.20    1.0
WLZ       2.24 295 eP     18 23.50   -1.0
MOZ       2.65 276 eP     18 30.10   -0.1
MNG       2.74 228 eP     18 31.40   -0.2
MTW       3.11 220 P      18 37.40    0.7
KIW       3.23 230 P      18 38.70    0.2
CAW       3.30 225 P      18 39.00   -0.5
MRW       3.59 227 eP     18 42.30   -1.2
                   eS     19 22.90
DIW       3.82 237 eP     18 46.70   -0.2
     S.D. = 0.7  on   15 of   15 obs.
-----------------------------------------
  JUN 23, 1992  10h 42m 50.12± 0.94s
  14.567 N ± 4.4km   60.738 W ±10.7km
  DEPTH =  14.8 ±  5.3 km
 WINDWARD ISLANDS                  ( 95)
     ML 3.1 (FDF). Felt (II) on
     Martinique.

MVM       0.15 265 iPc    42 54.24    0.0
CRM       0.25 317 iPc    42 55.92    0.1
BIM       0.33 261 iPc    42 57.12    0.0
                   S      43 01.80
FDF       0.43 293 iPc    42 58.60   -0.3
                   S      43 04.50
PCM       0.52 298 iPc    42 59.18   -1.2
SLW       0.58 199 eP     43 01.16   -0.2
                   S      43 09.20
SLB       0.79 202 eP     43 04.68   -0.4
                   eS     43 15.05
DSVT      0.90 317 eP     43 08.66    1.8
                   eS     43 18.64
SVV       1.33 201 eP     43 14.31    0.3
                   eS     43 31.42
SVB       1.38 201 eP     43 15.51    0.7
                   eS     43 32.67
MGG       1.45 337 eP     43 15.23   -0.6
                   S      43 33.50
DOG       1.69 330 eP     43 19.89    0.7
                   S      43 42.30
DEG       1.76 350 eP     43 19.20   -1.1
                   S      43 40.90
SEG       1.97 338 eP     43 23.72    0.5
                   S      43 47.00
     S.D. = 0.9  on   14 of   14 obs.
-----------------------------------------
% JUN 23, 1992  10h 58m 52.01± 0.85s
  39.751 N ± 6.9km   15.865 E ± 7.1km
  DEPTH =  10.0km  (geophysicist)
 SOUTHERN ITALY                    (390)

MMN       0.17  35 P      58 55.90    0.0
                   eSg    58 58.70
CSI       0.33  85 P      58 59.00    0.2
TDS       0.38 104 P      58 59.80    0.1
                   eSg    59 05.00
MGR       0.45 328 P      59 00.60   -0.7
                   eSg    59 07.60
CZI       0.57 159 P      59 03.70    0.1
ROI       0.57 108 P      59 03.20   -0.4
SGO       0.91 332 P      59 10.10    0.7
                   eSg    59 23.20
     S.D. = 0.5  on    7 of    7 obs.
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  JUN 23, 1992  11h 21m 21.55± 0.21s
  36.104 S ± 5.7km  101.220 W ± 5.3km
  DEPTH =  10.0km  (geophysicist)
  5.6mb ( 27 obs.) 5.6Msz ( 27 obs.)
 SOUTHERN PACIFIC OCEAN            (692)
     Mo=1.0*10**18 Nm (PPT).
     CENTROID, MOMENT TENSOR       (HRV)
     Data Used: GDSN
     L.P.B.: 34S, 85C
     Centroid Location:
     Origin Time         11:21:28.4 0.1
     Lat 36.19S 0.02 Lon 101.03W 0.02
     Dep  15.0 FIX Half-duration  4.1
     Moment Tensor;    Scale 10**18 Nm
       Mrr=-0.02 0.02  Mtt=-0.35 0.02
       Mff= 0.37 0.02  Mrt= 0.18 0.05
       Mrf=-0.20 0.06  Mtf=-1.30 0.02
      Principal Axes:
       T  Val=  1.41  Plg=11  Azm= 53
       N       -0.07      79       237
       P       -1.34       1       143
     Best Double Couple:Mo=1.4*10**18
      NP1:Strike=188 Dip=82 Slip=   7
      NP2:        97     83       172

IHA      24.51  91 eP     26 42.80    0.7
PEL      25.25  92 iPc    26 49.70    0.4
          1.2s   281.25nm          5.8mb
ZON      27.34  90 eP     27 09.00    0.4
RTLL     27.58  90 ePd    27 10.30   -0.5
ANT      29.30  74 iPc    27 25.30   -0.9
ARE      32.86  61 iPc    27 58.30    0.2
LPA      35.05 101 eP+    28 16.00   -0.5
                   ePP    29 36.00
                   eS     36 01.00
CNCB     35.18  66 iPc    28 19.70    1.3
                   i      29 43.20
LPB      35.27  65 Pc     28 20.00    1.0
          1.0s   230.00nm          6.0mb
                   PP     29 47.00
                   S      34 02.00
                   LR     38 05.00
ZOBO     35.40  65 iPc    28 21.00    0.6
                   S      33 24.00
                   LR     38 14.00
CCH      36.19  68 eP     28 26.00   -0.7
AIA      36.43 155 eP     28 28.10    0.3
SIV      40.89  71 iPc    29 05.00   -0.6
PSO      43.27  36 eP     29 25.50    0.0
TBI      43.37 273 iP     29 31.00    5.2X
          1.5s   370.00nm          5.9mb
RUV      46.03 285 iP     29 46.00   -1.1
          1.5s   135.00nm          5.7mb
VAH      46.19 284 iP     29 47.20   -1.2
          1.5s    70.00nm          5.4mb
PPN      46.33 280 eP     29 52.00    2.5
          1.3s    85.00nm          5.6mb
TPT      46.33 285 iP     29 48.60   -0.9
          1.5s   155.00nm          5.8mb
PPT      46.42 280 eP     29 53.00    2.7X
          1.3s   145.00nm          5.8mb
BOG      47.83  38 eP     30 03.50    1.7
                   iS     37 02.00
VAO      48.40  90 eP     30 05.80   -0.1
                   e      30 09.20
BMG      50.43  37 iPc    30 19.00   -2.5
BAO      51.38  81 Pd     30 37.50    8.7X
                   e      30 57.00
ACX      52.70   2 (P)    30 41.00    2.6X
OXX      53.06   5 (P)    30 48.00    6.6X
SDV      53.21  39 eP     30 39.50   -3.1X
TOV      54.41  39 eP     30 48.00   -3.2X
IIT      54.89   3 (P)    31 01.00    6.1X
IISM     54.91   4 (P)    31 01.00    6.4X
UNM      55.16   2 (P)    31 03.00    6.1X
SBA      55.44 195 eP     30 53.00   -5.0X
MRX      55.50   0 (P)    31 00.00    1.1
SNA      59.37 157 iPd    31 24.60   -1.2
          0.9s   102.52nm          6.0mb
TPP      59.46  47 eP     31 22.49   -4.5X
TRN      59.75  47 eP     31 24.52   -4.5X
PDCR     60.23  84 eP     31 31.60   -0.8
                   e      31 33.40
                   e      31 40.70
ITR      62.95  81 eP     31 49.90   -0.9
SNZO     63.34 237 eP     32 02.00    9.1X
                   S      40 46.00
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MCO      66.68 219 P      32 21.50    7.2X
DRV      67.49 202 eP     32 08.30  -11.0X
                   S      41 15.00
                   SS     45 30.00
GLA      69.96 348 eP     32 33.13   -1.9
MEO      70.57   2 iPc    32 38.20   -0.4
PLM      70.63 346 eP     32 38.02   -1.2
ALO      70.85 355 eP     32 40.54    0.0
          1.1s    21.39nm          5.2mb
      Z  20s       3.23um          5.6Msz
FNO      71.08   3 iPd    32 43.00    1.3
PEC      71.21 346 eP     32 41.88   -0.7
          1.6s    46.53nm          5.4mb
VVO      71.26   5 eP     32 43.00    0.3
OCO      71.35   3 iPd    32 45.00    1.7
SSK      71.62 346 eP     32 45.59    0.4
SIO      71.63   4 eP     32 44.30   -0.7
PWLA     71.77  11 eP     32 44.55   -1.3
OLY      71.82   8 eP     32 44.73   -1.4
TUL      71.82   5 eP+    32 45.00   -1.1
          0.8s    11.80nm          5.0mb
      Z  22s       1.25um          5.1Msz
                   e      42 10.00
                   LR     53 41.00
JSC      72.46  17 eP     32 47.81   -2.1
ACO      72.46   2 iPd    32 50.70    0.8
ABL      72.56 345 eP     32 49.70   -1.1
LHS      72.76  18 eP     32 51.21   -0.5
BCH      73.07 344 eP     32 53.86    0.2
ISA      73.19 345 eP     32 53.97   -0.3
          1.0s    51.93nm          5.6mb
PHAM     73.76 344 eP     32 58.19    0.6
PKEM     73.92 344 (P)    33 01.28    2.9X
TPNV     74.01 348 eP     32 58.61   -0.6
CCM      74.36   8 eP     33 00.31   -0.6
          0.9s    85.76nm          5.8mb
      Z  18s       1.57um          5.3Msz
ARUT     74.39 350 eP     33 01.94    0.6
FVM      74.39   9 eP     33 00.18   -0.9
          0.8s    47.78nm          5.6mb
      Z  19s       2.87um          5.6Msz
PV10     74.46 354 eP     33 00.00   -1.8
MSU      74.93 351 eP     33 04.23   -0.3
CSY      75.05 193 eP     33 04.50   -0.1
          0.7s    11.00nm          5.0mb
SLM      75.06   9 P      33 10.00    5.1X
      Z  21s       1.23um          5.2Msz
TNP      75.29 347 eP     33 06.96    0.4
          1.2s    99.86nm          5.7mb
SRU      75.33 353 eP     33 06.63   -0.2
BONR     75.37 346 eP     33 07.15    0.0
NAV      75.47  17 eP     33 06.12   -1.3
ARN      75.47 343 eP     33 07.98    0.5
GOL      75.53 357 eP     33 08.19    0.2
          1.0s    16.51nm          5.0mb
      Z  22s       2.24um          5.4Msz
MAW      75.91 174 P      33 10.60    1.1
KVN      76.39 347 eP     33 13.72    0.9
CVL      76.67  18 eP     33 12.79   -1.3
DUG      76.67 351 eP     33 14.60    0.3
          1.3s    54.72nm          5.5mb
DAU      76.70 352 eP     33 14.55   -0.1
ORV      77.57 344 eP     33 19.14    0.0
HVU      78.23 351 eP     33 22.15   -0.7
HON      78.37 307 P      33 40.00   16.2X
      Z  21s       3.11um          5.6Msz
BW06     78.87 354 eP     33 25.89   -0.6
          1.0s    52.83nm          5.5mb
DZM      79.13 251 iPc    33 26.00   -2.3
PTI      79.25 352 (P)    33 29.75    1.3
FHC      79.34 343 eP     33 29.50    0.7
          1.0s   121.77nm          5.9mb
L8FM     79.37 344 eP     33 29.35    0.1
RSSD     79.89 358 eP     33 32.40    0.5
          0.8s    17.35nm          5.1mb
      Z  19s       1.83um          5.4Msz
HPI      80.17 351 (P)    33 34.85    1.3
LVNJ     80.30  20 eP     33 31.47   -2.4
TBR      80.76  20 eP     33 35.64   -0.7
HRV      82.79  22 P      34 00.00   13.1X
      Z  21s       7.43um          6.0Msz
VGB      83.14 346 eP     33 49.35    0.7
CAN      83.48 231 eP     33 49.70   -1.2
RSNY     83.84  19 eP     33 50.98   -1.3
          0.8s    38.85nm          5.7mb
      Z  21s       4.36um          5.8Msz
SHW      84.08 345 eP     33 54.09    0.5
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TOO    84.16 227 iPd    33 53.70  -0.6
       1.3s   370.00nm          6.5mb
                i       33 56.00
BWA    84.42 231 eP     33 52.60  -3.1X
LON    84.53 346 eP     33 56.31   0.6
BMW    84.55 345 eP     33 55.89   0.1
EEO    84.74  15 eP     33 59.00   2.3
ARMA   84.88 236 eP     33 57.00  -1.1
       1.0s    50.00nm          5.7mb
                i       34 01.60
DPW    84.97 349 eP     33 59.02   1.2
GMW    85.49 346 eP     34 00.81   0.4
ULM    86.11   3 eP     34 05.00   1.6
SES    86.56 354 eP     34 07.00   1.3
       0.9s    37.00nm          5.6mb
PGC    86.67 345 eP     34 15.00   8.8X
CMS    87.99 232 eP     34 11.00  -2.2
                i       34 24.40
ADE    89.92 225 e(P)   34 23.40   1.0
FCC    94.70   4 eP     34 48.00   4.6X
SIT    97.18 342 P      35 10.00  15.3X
    Z  20s     1.84um           5.6Msz
YKA    98.85 354 eP     35 03.70   1.6
       0.9s     2.60nm          4.9mb
ASPA  100.98 230 ePdiff35 13.40   0.5
                e       39 17.60
SDN   104.19 330 Pdiff  35 40.00  13.7X
    Z  20s     1.59um           5.5Msz
PMR   104.81 338 Pdiff  35 40.00  11.0X
    Z  20s     1.43um           5.5Msz
CRP   105.49 337 ePKP   39 50.08   4.4X
CPKM  105.51 337 ePKP   39 50.74   4.9X
FBA   107.05 341 ePKP   40 05.22  16.9X
TTA   107.94 337 ePKP   40 09.50  19.3X
MBC   112.67 355 ePKP   40 00.50   1.9
SMY   114.84 318 PKP    40 20.00  16.5X
    Z  20s     2.08um           5.7Msz
BCAO  116.47 105 ePKPd  40 03.80  -4.0X
       1.6s    39.00nm
                id      41 17.00
EPF   121.19  57 ePKP   40 17.90   1.9
       1.1s    16.10nm
LPF   122.07  51 ePKP   40 20.60   3.2X
       1.2s    24.10nm
GRR   122.30  51 ePKP   40 21.30   3.5X
FLN   122.66  51 ePKP   40 22.00   3.5X
    Z  23s     1.80um           5.7MszX
LDF   122.83  51 ePKP   40 22.20   3.4X
LSF   123.12  54 ePKP   40 22.70   3.2X
       1.2s    19.05nm
BGF   124.08  54 ePKP   40 25.00   3.6X
       1.3s    24.20nm
AVF   124.49  54 ePKP   40 25.20   3.0X
       0.9s     7.70nm
SSF   124.67  54 ePKP   40 25.60   3.1X
       0.9s     8.20nm
SMF   124.76  54 ePKP   40 26.00   3.3X
       0.9s    10.95nm
LBF   124.96  54 ePKP   40 26.40   3.3X
       0.9s     8.50nm
LOR   124.96  53 ePKP   40 26.50   3.4X
       1.0s     9.00nm
    Z  19s     1.23um           5.6Msz
LPL   126.35  56 ePKP   40 30.30   4.1X
       1.2s    16.35nm
LPG   126.35  56 ePKP   40 30.50   4.2X
       1.0s     9.40nm
WLF   127.09  51 PKP    40 39.00  12.0X
MGD   129.27 322 ePKP   40 33.00   2.1
                e       42 44.00
                e       52 50.00
WTTA  130.08  55 i(PKP)40 38.30   5.2X
       1.8s    84.90nm
GRF   130.31  52 ePKP   40 35.00   1.8
    Z  25s     2.00um           5.7MszX
                e       40 37.90
                e       40 44.80
MOX   130.73  51 ePKP   40 39.00   5.0X
       2.0s    42.00nm
    Z  22s     1.30um           5.6Msz
    E  22s     0.90um
KBA   131.17  56 e(PKP)40 35.00  -0.2
NB2   131.52  37 PKP    40 35.40   0.2
       1.4s    10.60nm
CLL   131.70  50 ePKP   40 37.00   1.2
KHC   131.72  53 ePKP   40 32.00  -4.0X
       1.0s     5.00nm

           Z  20s     1.90um           5.8Msz
           N  20s     1.00um
           E  20s     0.50um
                       e       40 38.50
                       e       40 45.50
GEC2  131.75  53 PKP    40 33.60  -2.5
       0.9s     3.98nm
YSS   132.17 304 (PKP)  40 21.00 -15.8X
    Z  18s     0.60um           5.3Msz
                e       40 36.70
BRG   132.23  51 ePKP   40 40.20   3.4X
       1.4s    17.00nm
                e       40 57.10
PRU   132.48  52 ePdiff37 29.00  -3.3X
PRU   132.48  52 ePKP   40 38.00   0.7
    Z  20s     1.00um           5.5Msz
                ePKS    44 03.00
HFS   132.74  38 ePKP   40 35.30  -2.2
       1.2s     7.10nm
    Z  22s     1.98um           5.8Msz
                LR      26 17.00
KSP   133.70  51 ePKP   40 44.00   4.4X
ZST   133.87  55 e(PKP)40 44.10   4.1X
OHR   135.13  65 ePKP   40 41.70  -1.0
SKO   135.79  64 PKP    40 45.50   1.6
    Z  18s     0.82um           5.5Msz
                i       43 26.00
                i       53 41.00
                i       55 31.00
                i       56 38.00
OJC   135.86  52 ePKP   40 48.90   5.1X
SPC   136.06  54 ePKP   40 48.20   3.8X
TIK   136.15 339 ePKP   40 40.00  -3.6X
                e       43 24.00
VAY   136.48  65 ePKP   40 41.30  -3.9X
NUR   138.13  37 ePKP   40 47.20  -0.5
KAF   138.56  34 iPKP   40 49.00   0.6
       1.0s    16.20nm
YAK   139.29 326 ePKP   40 49.90   0.2
       0.9s    51.00nm
                e       43 49.00
MLR   139.56  60 ePKP   40 54.50   3.5X
                e       43 44.00
VRI   140.14  59 ePKPd  40 53.00   1.2
MNK   140.63  47 ePKP   40 56.00   3.6X
CFR   141.09  60 iPKP   40 53.00  -0.5
IPM   142.54 218 ePKPd  40 52.60  -4.4X
SAGI  142.85  86 ePKP   40 52.10  -5.0X
CSS   143.25  78 ePKP   41 05.00   7.3X
CN2   143.81 297 PKPc   40 55.50  -2.8X
    Z  20s     0.73um           5.4Msz
    N  20s     0.56um
    E  20s     1.12um
                ePP     44 16.00
                eSKKS   51 05.00
                eSS     03 00.00
BBTK  143.84  70 ePKP   41 04.00   5.4X
JVI   143.98  84 ePKP   40 56.00  -3.0X
SSE   144.53 274 PKP    41 00.50   0.6
    Z  20s     0.50um           5.3Msz
                SS      03 06.00
JARJ  144.56  84 PKP    40 59.75  -0.3
HRI   144.71  82 ePKP   40 58.50  -1.8
CSTJ  144.78  86 PKP    41 00.06  -0.4
KAS   144.80  67 ePKP   41 00.00  -0.2
BHL   144.82  81 PKP    41 00.00  -0.5
SNG   144.96 220 ePKP   40 59.20  -1.9
SNY   145.01 293 PKPc   40 58.00  -2.4
    Z  22s     1.38um           5.7Msz
SIM   145.29  61 ePKP   41 00.00  -0.8
OBN   145.59  43 ePKPd  41 00.00  -0.9
       1.5s   175.00nm
    Z  18s     1.30um           5.7Msz
    N  18s     1.20um
    E  18s     1.40um
                e       44 28.00
                eSS     03 47.00
QTFJ  145.66  85 PKP    41 03.50   1.6
MOS   145.96  42 iPKPd  41 02.00   0.5
       2.0s   560.00nm
                e       44 25.00
DL2   146.12 288 ePKP   41 01.00  -1.3
    Z  24s     0.88um           5.5MszX
NRI   146.26 354 iPKP   41 02.70   1.1
       1.4s   236.00nm
HKC   146.38 256 iPKP   41 05.10   1.9
KVT   146.48  68 ePKP   41 04.00   1.0

NJ2   146.72 275 PKPd   41 04.20   0.7
GZH   147.44 256 PKP    41 10.00   5.1X
QIZ   147.82 246 ePKP   41 07.60   2.0
BOD   148.07 324 ePKP   41 07.90   3.0X
       1.7s   140.00nm
TIA   149.17 282 PKPd   41 10.60   3.3X
    Z  33s     1.20um           5.5MszX
WHN   149.88 270 ePKPc  41 13.50   5.0X
    Z  24s     1.35um           5.7MszX
NNT   149.93 224 ePKP   41 15.00   6.0X
BJI   150.44 289 ePKP   41 13.50   4.4X
       1.5s   172.00nm
    Z  24s     1.10um           5.6MszX
                eS      51 45.00
CIT   150.71 314 ePKP   41 15.00   5.8X
KIV   151.45  63 iPKPc  41 15.80   5.1X
                i       41 27.80
                e       44 59.20
                e       05 07.40
PYA   151.71  63 ePKP   41 17.00   6.1X
                e       41 22.00
                i       45 04.00
LOE   152.43 234 ePKP   41 18.50   5.8X
ERE   152.84  71 iPKP   41 23.00  10.3X
                e       48 30.00
MTA   153.09  68 ePKP   41 12.00  -0.9
                i       41 18.00
TIY   153.12 284 ePKP   41 16.50   3.3X
    Z  22s     1.57um           5.8Msz
    N  20s     2.07um
GRO   153.66  64 ePKP   41 19.00   5.4X
HHC   153.99 290 ePKP   41 19.80   5.4X
    Z  34s     1.55um           5.6MszX
    N  20s     1.02um
GRS   154.22  73 iPKPc  41 20.00   5.2X
       1.7s    30.00nm
BTO   155.17 290 ePKP   41 21.00   5.1X
    N  19s     1.43um
    E  19s     0.87um
                PKPab   41 40.00
CHG   155.25 231 ePKP   41 17.50   1.0
       1.1s    24.05nm
XAN   155.29 274 ePKP   41 21.10   4.9X
ARU   155.54  28 ePKP   41 20.00   4.2X
                e       41 29.00
                e       41 40.00
IRK   155.77 320 ePKP   41 16.40   0.1
    Z  18s     0.79um           5.6Msz
    N  18s     0.56um
    E  16s     0.38um
                e       41 34.00
                e       41 52.80
                e       42 37.20
                e       45 23.30
                e       45 51.00
                LR      38 19.00
SVE   155.95  25 iPKPd  41 19.00   2.7X
       2.5s    50.00nm
                e       45 16.00
                e       49 00.00
KMI   156.71 249 PKPd   41 18.00  -0.6
SHI   157.07  99 ePKP   41 25.00   6.1X
ZAK   157.28 317 iPKP   41 18.50   0.3
       2.4s    71.00nm
                e       45 32.00
CD2   158.56 263 PKP    41 21.80   1.4
    Z  23s     1.79um           5.8MszX
                PKPab   41 55.00
                PP      45 37.00
LZH   159.76 277 ePKP   41 22.00   0.3
                PP      45 42.00
KAT   161.91  73 ePKP   41 24.00   0.4
                e       41 32.00
GTA   163.04 288 PKP    41 25.00   0.1
    Z  26s     2.24um           6.3Msz
    N  18s     0.72um
ASH   163.58  77 ePKP   41 34.50   9.2X
MAIO  164.43  84 ePKP   41 29.00   2.7X
                e       42 24.00
WMQ   169.70 321 PKP    41 29.50  -0.4
    Z  32s     3.74um           5.5Msz
    N  24s     3.13um
                PKPab   42 49.00
                PP      46 40.00
PKI   169.80 215 PKP    41 36.40   5.6X
GUN   169.85 218 PKP    41 36.20   5.4X
DMN   169.97 214 PKP    41 36.80   6.0X
```

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23d  11h

KKN    170.04 215 PKP    41 36.80   6.1X
GKN    170.52 213 PKP    41 37.00   6.1X
NDI    172.48 169 e(PKP)41 33.00   1.5
GAR    172.68  64 ePKP   41 33.30   1.9
PRZ    173.62   3 (PKP)  41 29.00  -2.8X
KSH    175.99  33 PKP    41 38.00   5.6X
     Z  25s      2.80um
     E  20s      2.50um
     S.D. = 1.2  on 138 of 233 obs.
-----------------------------------------
   JUN  23, 1992  12h 08m 07.28± 0.94s
   39.147 N ± 7.2km   26.287 E ± 7.2km
     DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

EZN      0.68   2 iPg    08 20.30  -0.4
                  eSg    08 32.00
IZM      1.07 134 iPn    08 27.50   0.1
KGT      1.52  31 iPn    08 34.70   0.2
EDC      1.71  45 ePn    08 38.00   0.8
BNT      1.74  46 iPn    08 37.50  -0.3
DST      1.87  75 ePn    08 39.00  -0.7
KCT      1.94  55 iPn    08 41.40   0.8
CTT      2.59  39 ePn    08 49.90   0.0
IZI      2.73  63 ePn    08 52.00   0.0
YLV      2.77  58 ePn    08 52.00  -0.5
VAY      3.58 309 ePn    09 04.00   0.0
     S.D. = 0.5  on  11 of  11 obs.
-----------------------------------------
   JUN  23, 1992  13h 03m 22.67± 0.17s
   17.981 S ± 5.3km  174.726 W ± 4.5km
   DEPTH =  18.4km  ( 50 depth phases)
  5.4mb ( 44 obs.)  5.1Msz ( 20 obs.)
 TONGA ISLANDS                     (173)
      Mo=6.3*10**17 Nm (PPT).
      CENTROID, MOMENT TENSOR     (HRV)
      Data Used: GDSN
      L.P.B.: 24S, 49C
      Centroid Location:
      Origin Time          13:03:26.0 0.5
      Lat 18.34S 0.05 Lon 174.46W 0.05
      Dep  15.0 FIX Half-duration  2.5
      Moment Tensor;   Scale 10**17 Nm
        Mrr=-1.88 0.14  Mtt= 1.24 0.16
        Mff= 0.64 0.14  Mrt= 2.25 0.44
        Mrf=-0.49 0.42  Mtf= 2.38 0.14
       Principal Axes:
        T  Val=  3.72   Plg=15  Azm=324
        N       -0.03       36       66
        P       -3.68       50      215
      Best Double Couple:Mo=3.7*10**17
       NP1:Strike= 15 Dip=44 Slip=-149
       NP2:        262      69      -51

VUN      6.48 269 eP     05 02.40   2.8
SVA      6.49 268 eP     05 03.20   3.6X
DZM     18.15 254 iPc    07 39.10   3.5X
WLZ     21.55 201 P      08 12.30  -0.8
MNG     24.09 198 P      08 41.80   3.8X
ORZ     25.27 203 P      08 47.60  -1.8
PMO     25.89  87 eP     08 55.00  -0.3
        1.2s     35.00nm         4.9mb
HNR     26.00 286 eP     08 55.00  -1.4
VAH     26.10  88 eP     08 57.00  -0.3
        1.2s     30.00nm         4.8mb
TPT     26.15  87 eP     08 57.00  -0.8
        1.2s     25.00nm         4.7mb
DSZ     26.34 203 P      08 59.10  -0.3
RUV     26.34  88 eP     08 58.00  -1.5
        1.2s     45.00nm         5.0mb
LTZ     27.08 201 P      09 07.40   1.3
EWZ     28.22 203 P      09 16.70   0.3
ARMA    32.96 242 eP     09 58.00  -0.7
        0.6s     19.00nm         5.2mb
RMO     34.75 249 iPc    10 14.00  -0.1
CNB     36.20 234 iPd    10 25.30  -1.1
        1.5s    143.00nm         5.6mb
                  i      10 31.70  22km
CAN     36.48 234 eP     10 27.10  -1.6
                  i      10 33.50  22km
BWA     36.66 236 eP     10 26.80  -3.4X
                  i      10 32.60  19km
CTA     36.89 260 iPc    10 31.70  -0.6
        0.7s     98.29nm         5.7mb
PMG     37.94 278 eP     10 42.00   0.9
CMS     38.06 242 eP     10 42.00   0.0
                  i      10 49.00  24km

LAT     38.96 282 e(P)   10 51.00   1.3
TOO     39.87 232 eP     10 56.00  -1.1
        0.8s     46.00nm         5.2mb
STK     41.68 242 iPc    11 11.20  -0.8
        2.0s      8.40nm         4.1mb X
MHA     42.19  27 ePd    11 16.92   0.8
HON     42.36  23 P      11 30.00  12.5X
     Z  20s      0.95um          4.7Msz
WB2     48.05 259 iPd    12 01.00  -2.2
        0.9s     24.40nm         5.3mb
                  iPcP   13 30.60
ASPA    48.15 254 iPd    12 02.20  -1.7
        0.9s     87.00nm         5.8mb
                  iPcP   13 30.70 492kmX
                  i      13 36.50
MTN     52.30 267 eP     12 34.10  -1.6
        0.7s     97.00nm         5.8mb
WARB    54.56 250 iPc    12 50.20  -2.1
        0.8s     65.00nm         5.7mb
SBA     60.59 184 ePc    13 36.20   2.1
CGP     65.31 288 eP     14 07.00   0.8
PCI     66.40 277 ePd    14 14.20   1.0
                  e      15 56.80 487kmX
CSY     67.55 205 eP     14 19.00  -0.7
        0.7s     17.50nm         5.3mb
                  i      14 24.40  17km
ADK     69.59 359 iPd    14 30.59  -1.7
        1.1s     53.98nm         5.6mb
MAT     70.11 321 eP     14 34.00  -1.9
        1.0s     10.00nm         4.9mb
     Z  20s      1.06um          5.1Msz
                  eS     23 48.00
SMY     71.08 353 P      14 50.00   8.6X
     Z  20s      2.08um          5.4Msz
SDN     74.03   8 eP     14 57.09  -1.6
        1.0s     43.15nm         5.4mb
     Z  20s      1.59um          5.3Msz
                  i      15 02.43  17km
BCH     74.03  44 iPd    14 59.79   0.4
                  ipP    15 05.70  19km
PET     74.36 344 eP     15 00.00  -0.8
ARN     74.39  41 ePd    15 01.83   0.5
                  ipP    15 07.36  18km
ABL     74.41  45 ePd    15 01.51  -0.3
                  ipP    15 07.34  19km
YSS     75.17 331 iPd    15 05.00  -0.5
        1.1s     60.00nm         5.5mb
     Z  19s      0.60um          4.9Msz
                  e      15 10.60  18km
PLM     75.18  47 eP     15 06.28   0.1
                  ipP    15 11.66  17km
PEC     75.27  47 eP     15 06.28  -0.2
        1.0s     10.73nm         4.8mb
                  epP    15 12.02  18km
ISA     75.38  44 ePd    15 07.49   0.4
        1.2s     63.24nm         5.5mb
                  epP    15 13.43  19km
ORV     75.77  40 eP     15 08.91  -0.3
                  epP    15 14.86  19km
GLA     76.45  48 eP     15 13.43   0.2
                  epP    15 18.76  17km
LBFM    76.65  38 iPd    15 14.98   0.6
                  ipP    15 20.26  17km
BONR    76.81  43 eP     15 16.01   0.5
                  epP    15 21.88  19km
TPNV    77.58  44 eP     15 20.60   1.0
                  ipP    15 26.38  18km
TNP     77.58  43 eP     15 19.46  -0.2
        1.0s     50.22nm         5.5mb
                  epP    15 26.01  21km
KDC     77.68  12 eP     15 18.92  -0.4
        1.0s     19.82nm         5.1mb
                  ipP    15 24.29  17km
BMW     79.18  33 eP     15 28.26   0.3
                  epP    15 33.77  18km
SHW     79.52  34 eP     15 29.45  -0.5
ARUT    79.92  45 eP     15 32.78   0.5
                  ipP    15 39.14  20km
LON     80.10  34 (P)    15 32.59  -0.4
                  epP    15 37.29  15km
GMW     80.11  33 eP     15 33.61   0.7
                  epP    15 38.99  17km
REF     80.20  11 iPd    15 31.77  -1.6
                  ipP    15 37.01  17km
SVW     80.30   9 iPd    15 32.50  -1.2
        1.1s     27.45nm         5.2mb
                  ipP    15 38.23  18km

MDJ     80.30 323 eP     15 33.80  -0.2
     Z  40s      3.53um          5.4MszX
                  SKS    25 43.00
RMW     80.56  33 eP     15 35.21  -0.2
                  epP    15 41.28  19km
SLKM    80.68  12 iPd    15 34.55  -1.2
                  ipP    15 40.46  19km
CPKM    81.00  11 (P)    15 36.48  -1.1
CRP     81.02  11 eP     15 35.73  -1.9
                  epP    15 41.51  18km
MSU     81.15  45 ePd    15 39.71   0.8
                  epP    15 44.41  15km
DUG     81.60  43 iPd    15 41.40   0.3
        1.2s     17.80nm         5.0mb
                  ipP    15 47.37  19km
SIT     81.67  21 P      15 50.00   9.2X
     Z  21s      1.92um          5.4Msz
PMR     81.89  12 iP     15 40.87  -1.0
        1.3s     64.13nm         5.5mb
     Z  19s      0.66um          5.0Msz
                  ipP    15 46.51  18km
TTA     81.98   9 iPd    15 42.14  -0.3
        1.2s     31.95nm         5.3mb
                  ipP    15 47.85  18km
AIA     82.05 157 eP     15 44.00   1.2
CN2     82.26 321 Pd     15 44.80   0.6
        1.0s     15.00nm         5.0mb
     Z  22s      0.93um          5.1Msz
SNY     82.33 318 Pc     15 45.30   0.7
        1.4s     43.00nm         5.3mb
HVU     82.47  42 eP     15 46.10   0.5
                  epP    15 51.79  18km
KLU     82.48  13 iPd    15 44.37  -0.8
                  ipP    15 50.15  18km
SRU     82.56  45 iPd    15 46.73   0.6
MGD     82.67 343 eP     15 44.00  -2.0
        1.3s    100.00nm         5.8mb
     Z  20s      0.90um          5.1Msz
     N  20s      0.60um
                  e      15 50.00  19km
                  eS     26 00.00
                  ePS    26 44.00
EMUT    82.72  44 eP     15 48.12   1.0
                  epP    15 53.18  16km
DAU     82.73  44 eP     15 47.09  -0.1
                  epP    15 53.09  19km
PNT     82.86  33 eP     15 47.00  -0.3
BALM    82.92  15 iPd    15 46.75  -0.7
                  (pP)   15 52.21  17km
PV10    83.21  46 ePc    15 49.90   0.3
HPI     83.30  40 iPc    15 54.52   4.5X
                  epP    15 59.94  17km
PTI     83.30  41 iPd    15 50.71   0.8
                  epP    15 56.49  18km
ALQ     83.42  50 iPd    15 51.93   1.2
        1.3s     47.98nm         5.5mb
     Z  19s      0.45um          4.9Msz
                  ipP    15 57.70  18km
NEW     83.54  35 eP     15 50.00  -0.8
        1.3s     25.47nm         5.3mb
                  epP    15 55.79  18km
TIA     83.91 311 Pc     15 53.50   0.6
MAW     84.95 199 P      15 58.20   0.6
FBA     85.16  11 iPd    15 57.53  -1.0
        0.9s    112.11nm         6.1mb
                  epP    16 03.81  20km
IMA     85.28   8 iPd    15 58.94  -0.4
        1.3s     35.57nm         5.4mb
                  ipP    16 04.45  17km
ILT     85.68 358 iPc    16 01.00   0.0
        1.4s     71.00nm         5.7mb
     Z  20s      0.90um          5.2Msz
                  i      16 11.00  31kmX
                  eS     26 26.00
BJI     86.33 314 eP     16 06.00   1.2
        2.0s    120.00nm         5.8mb
                  eS     26 32.00
GOL     86.35  46 eP     16 05.20  -0.1
        1.1s     10.60nm         5.0mb
     Z  21s      0.64um          5.0Msz
                  epP    16 11.02  18km
TIY     87.95 311 Pd     16 14.00   1.1
     Z  32s      1.15um          5.1MszX
     N  20s      1.30um
                  S      26 48.00
                  SS     32 36.00
SES     88.03  35 ePd    16 13.00   0.1
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                1.1s     48.00nm           5.7mb
                           pP     16 19.00   19km
XAN       89.11 306 iPc    16 20.00     1.5
          1.5s     30.00nm            5.4mb
RSSD      89.21  43 P      16 30.00    11.1X
       Z   20s      0.40um            4.8Msz
HHC       89.85 313 Pc     16 23.20     1.3
          1.2s     32.00nm            5.4mb
BTO       90.83 313 eP     16 27.00     0.6
       N   20s      0.83um
       E   20s      1.01um
                eSKS       26 59.00
YAK       90.95 337 eP     16 25.20    -1.1
          1.2s     30.00nm            5.5mb
                    i      16 31.00    18km
KMI       91.00 296 Pd     16 29.50     1.9
          1.5s     43.00nm            5.6mb
CD2       92.07 302 eP     16 33.60     1.3
       Z   28s      1.01um            5.1MszX
CHG       92.33 289 eP     16 35.00     1.4
          1.3s     25.00nm            5.5mb
YKA       92.96  24 eP     16 35.70     0.2
          1.1s      3.80nm            4.7mb
LZH       93.73 307 eP     16 41.00     1.1
          1.4s     28.00nm            5.5mb
                    sP     16 50.00
OLY       94.94  54 eP     16 45.91     0.6
                    epP    16 52.27    20km
BOD       95.41 329 eP     16 46.90     0.0
CCM       95.91  52 P      17 00.00    10.3X
       Z   21s      0.48um            4.9Msz
FVM       96.51  52 P      17 00.00     7.6X
       Z   20s      0.66um            5.1Msz
TIK       97.13 345 eP     16 53.50    -0.9
          1.2s     10.00nm            5.3mb
                    e      17 00.00    20km
ZAK       98.67 320 eP     17 07.00     5.2X
MBC       99.70  12 eP     17 06.00     0.0
ZOBO     100.11 111 Pdiff  16 58.00   -12.0X
RSNY     109.57  48 PKP    22 00.00     6.1X
       Z   20s      0.36um            4.9Msz
HRV      111.52  51 PKP    22 10.00    12.4X
       Z   19s      0.42um            5.0Msz
QUE      122.99 295 ePKP   22 20.60     0.4
SVE      123.63 327 ePKPc  22 20.00    -0.4
ARU      124.83 327 ePKP   22 22.00    -0.7
       Z   22s      1.50um            5.6Msz
       N   20s      0.50um
       E   20s      1.00um
                    e      22 28.00
MAIO     129.08 302 ePKP   22 32.00     0.4
KAF      133.51 347 iPKP   22 43.00     3.9X
          0.9s      9.10nm
NUR      135.31 347 ePKP   22 47.20     4.7X
OBN      135.92 335 ePKP   22 50.00     6.1X
NB2      136.78 356 PKP    22 44.30    -1.1
          1.1s      4.10nm
APO      137.04 354 ePKP   22 45.90     0.0
          1.1s     13.00nm
KVT      144.99 318 iPKP   23 01.00     0.3
KIS      145.14 331 iPKPc+22 59.00    -1.6
       Z   20s      2.50um            6.0Msz
                    i      23 04.00
WIT      145.22 359 ePKP   23 01.50     1.0
OJC      145.79 343 iPKP   23 02.30     0.6
          1.2s    136.00nm
                    i      23 08.10
DBN      145.95   0 ePKP   23 02.00     0.2
WTS      146.04 358 ePKP   23 03.00     1.0
          1.0s     65.00nm
                    e      23 09.00
KSP      146.06 347 iPKP   23 02.50     0.4
          1.2s    111.00nm
                    i      23 09.20
CLL      146.18 351 iPKPd  23 02.90     0.6
          1.4s    140.00nm
                    i      23 07.90
CLI      146.21 332 ePKPc  23 04.00     1.5
KAS      146.26 320 iPKPd  23 04.80     2.0
AAE      146.29 259 ePKP   23 06.00     2.1
PTT      146.30 334 ePKP   23 05.00     2.4X
UZH      146.44 339 iPKP   23 03.00     0.3
          1.0s    240.00nm
BRG      146.46 350 iPKPc  23 03.10     0.4
          1.6s    140.00nm
                    i      23 09.20
SPC      146.60 342 ePKP   23 03.20    -0.1
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VRI      146.98 332 ePKPd  23 06.00     2.3
MOX      147.02 353 ePKP   23 05.60     2.0
          2.1s    208.00nm
                    e      23 11.00
PRU      147.21 349 ePKP   23 06.00     2.0
          2.2s    102.80nm
                    e      23 11.50
UCC      147.25   1 PKP    23 07.00     3.0X
ENN      147.29 359 ePKP   23 06.50     2.5X
          1.1s     43.00nm
                    e      23 14.00
HOF      147.31 352 iPKPc  23 06.90     2.8X
SNF      147.54   1 PKP    23 07.70     3.3X
MLR      147.62 332 ePKP   23 07.00     2.1
                    e      27 03.92
DOU      147.96   1 PKP    23 09.10     4.0X
                    e      23 14.50
GRF      148.01 353 iPKPd  23 08.90     3.6X
KHC      148.21 350 ePKP   23 04.00    -1.6
          1.2s     38.00nm
                    e      23 09.00
ZST      148.36 345 ePKP   23 06.10     0.3
                    i      23 09.50
WLF      148.39 359 PKP    23 10.00     4.2X
SRO      148.39 343 iPKP   23 09.50     3.6X
COZ      148.44 334 ePKPd  23 10.50     4.2X
GEC2     148.46 349 PKP    23 04.90    -1.2
          1.1s     14.15nm
VKA      148.48 346 iPKPd  23 09.90     3.8X
          3.0s    425.00nm
BHL      148.57 306 PKP    23 04.00    -2.8X
HRI      148.74 305 iPKPd  23 09.50     2.4X
FLN      148.94   7 ePKP   23 06.40    -0.4
          1.0s     15.00nm
KMR      149.14 348 ePKP   23 11.00     3.9X
                    i      23 20.10
CTT      149.54 324 iPKP   23 12.90     5.0X
CDF      149.60 357 ePKP   23 07.50    -0.4
CDF      149.60 357 PKP    23 12.13     4.2X
DSI      149.62 302 ePKP   23 11.30     3.0X
BHG      149.69 350 iPKPc  23 15.30     7.4X
ECH      149.81 357 PKP    23 12.83     4.7X
VITF     149.84 359 PKP    23 13.23     5.1X
LIBD     149.85 357 PKP    23 13.01     4.9X
CSS      149.87 310 ePKP   23 13.80     5.2X
FEL      150.10 356 PKP    23 13.48     4.8X
MOF      150.17 357 PKP    23 13.57     4.8X
KCT      150.18 323 ePKP   23 12.90     4.0X
KBA      150.23 349 i(PKP)23 08.50    -0.5
          1.2s     32.90nm
                    i      23 13.70
                    i      23 18.90
WTTA     150.33 351 iPKPd  23 14.30     5.1X
          1.2s     62.80nm
BNT      150.36 323 ePKP   23 13.90     4.7X
BBS      150.54 357 PKP    23 14.84     5.6X
PPCY     150.62 310 ePKP   23 14.50     4.8X
SAGI     150.63 300 iPKPd  23 13.80     3.9X
LOMF     150.68 358 PKP    23 15.06     5.5X
LOR      150.77   2 ePKP   23 09.60     0.0
          1.1s      9.30nm
PTJ      150.78 345 ePKP   23 10.10     0.4
                    e      28 41.90
ZAG      150.85 345 ePKP   23 10.00     0.3
SSF      150.96   2 ePKP   23 10.00     0.1
LJU      150.98 347 e(PKP)23 09.00    -0.9
LBF      151.06   2 ePKP   23 09.90    -0.2
MFF      151.11   8 ePKP   23 09.80    -0.3
VOY      151.13 348 e(PKP)23 16.00     5.7X
CEY      151.29 347 e(PKP)23 08.50    -1.9
                    ePKPbc23 15.00
VBY      151.32 345 ePKP   23 11.00     0.6
                    iPKPbc23 16.40
SMF      151.39   2 ePKP   23 10.40    -0.1
BGF      151.43   4 ePKP   23 10.70     0.1
LSF      151.64   5 ePKP   23 10.70    -0.2
TCF      151.66   4 ePKP   23 11.00     0.0
SKO      152.39 333 iPKP   23 12.00    -0.1
       Z   21s      0.77um            5.5Msz
                    i      23 19.30
                    i      23 24.50
VAY      152.41 331 ePKP   23 18.00     5.8X
                    e      23 44.40
OHR      153.37 333 ePKP   23 07.00    -6.6X
                    e      23 38.50
BCAO     161.30 226 iPKPc  23 24.00     0.1
          0.8s     18.00nm
```

```
                    ic     24 07.50
KIC      164.87 139 PKP    23 26.60    -0.8
     S.D. = 1.0  on 147 of 199 obs.
-----------------------------------------
* JUN 23, 1992  13h 08m 48.35± 0.34s
  18.015 S ±11.9km  174.822 W ± 9.7km
  DEPTH = 16.2km  ( 11 depth phases)
  5.3mb ( 22 obs.)   5.2Msz (  1 obs.)
 TONGA ISLANDS                      (173)
VUN        6.39 269 eP     10 28.60     4.5X
SVA        6.39 268 eP     10 28.20     4.0X
DZM       18.06 254 iPc    13 05.00     4.7X
ARMA      32.87 242 eP     15 24.00     0.1
          1.0s     36.00nm            5.3mb
RMO       34.65 249 iPc    15 40.00     0.8
          1.0s     64.00nm            5.5mb
CNB       36.10 234 iPd    15 51.90     0.4
          1.0s     80.00nm            5.6mb
                    i      15 57.00    17km
CAN       36.39 234 iPc    15 53.60    -0.3
                    i      15 58.50    17km
BWA       36.57 236 iPc    15 53.10    -2.3
CTA       36.80 260 iPd    15 57.50     0.1
          0.8s     95.52nm            5.7mb
CMS       37.96 242 eP     16 07.00    -0.1
          0.9s     22.00nm            5.0mb
QLP       38.70 250 eP     16 13.00    -0.3
TOO       39.78 232 eP     16 21.00    -1.3
          0.9s     44.00nm            5.2mb
STK       41.59 242 iPc    16 37.50     0.4
          1.2s     11.70nm            4.5mb
WB2       47.95 259 iPc    17 26.70    -1.7
          0.8s     20.50nm            5.2mb
                    iPcP   18 56.90
ASPA      48.05 254 iPd    17 28.10    -1.1
          1.0s    124.40nm            5.9mb
                    iPcP   18 56.70
                    eS     22 50.80
WARB      54.46 250 iPc    18 16.20    -1.4
          0.8s     45.00nm            5.6mb
BIP       63.74 289 eP     19 09.00   -12.9X
CGP       65.24 289 eP     19 30.00    -1.7
PCI       66.31 277 ePc    19 41.50     2.9X
                    e      22 29.20
CSY       67.48 205 iPd    19 45.10    -0.1
          0.9s     17.40nm            5.2mb
ISA       75.46  44 eP     20 33.16    -0.5
                    epP    20 38.27    16km
ORV       75.85  40 eP     20 34.50    -1.1
LBFM      76.73  38 (P)    20 45.11     4.3X
KVN       77.66  42 (P)    20 46.10     0.1
TNP       77.67  43 ePd    20 45.50    -0.6
          1.3s     53.57nm            5.5mb
TPNV      77.67  44 eP     20 46.24     0.2
                    epP    20 52.15    19km
ARUT      80.01  45 eP     20 58.21    -0.6
                    ipP    21 04.53    20km
REF       80.25  11 eP     20 57.37    -2.2
                    ipP    21 02.16    15km
MDJ       80.27 323 eP     20 58.90    -0.9
SIT       81.73  21 (P)    21 06.55    -0.6
                    epP    21 11.12    15km
PMR       81.94  12 eP     21 06.19    -2.0
          1.6s     98.36nm            5.6mb
AIA       82.06 157 eP     21 10.00     1.2
CN2       82.22 321 Pc     21 11.00     1.0
          1.0s      7.40nm            4.7mb
       Z   20s      0.97um            5.2Msz
       N   20s      0.37um
       E   20s      1.12um
                    esP    21 21.00
SNY       82.30 318 Pc     21 11.50     1.1
SRU       82.65  45 iPc    21 12.62     0.0
                    ipP    21 16.56    12km
PNT       82.94  33 eP     21 19.00     5.3X
          0.6s      5.00nm            4.8mb
BALM      82.98  15 eP     21 12.19    -1.6
PV10      83.30  46 eP     21 15.19    -0.9
ALQ       83.51  50 ePd    21 17.86     0.7
MAW       84.89 199 P      21 24.29     1.0
BW06      85.12  42 eP     21 24.10    -1.0
          1.0s     14.33nm            5.2mb
FBA       85.21  11 iPd    21 23.15    -1.6
          0.4s      8.62nm            5.3mb
                    ipP    21 29.30    19km
BJI       86.28 314 eP     21 30.00    -0.6
```

23d 13h

2.0s 120.00nm 5.8mb
eS 32 08.00
GOL 86.44 46 eP 21 32.11 0.3
1.0s 1.50nm 4.2mb X
epP 21 36.29 13km
TIY 87.90 311 eP 21 40.50 1.9
SES 88.11 35 eP 21 39.00 -0.3
XAN 89.06 306 Pc 21 45.80 1.6
1.5s 22.00nm 5.2mb
RSSD 89.30 43 eP 21 46.00 0.7
1.0s 10.85nm 5.1mb
HHC 89.81 313 P 21 49.60 1.9
1.2s 22.00nm 5.3mb
Z 28s 1.48um 5.3MszX
N 13s 0.62um
pP 21 54.50 15km
BTO 90.78 313 eP 21 53.50 1.3
CHG 92.25 289 eP 22 01.50 2.3
LZH 93.68 307 eP 22 07.50 1.8
1.4s 22.00nm 5.4mb
WMQ 107.57 311 ePdiff23 05.00 -2.9X
Z 30s 0.97um 5.2MszX
QUE 122.92 295 ePKP 27 46.60 0.5
NB2 136.81 356 PKP 28 09.60 -1.9
0.7s 1.10nm
WIT 145.26 358 ePKP 28 23.00 -3.6X
OJC 145.80 343 ePKPd 28 28.80 1.1
1.5s 98.00nm
e 28 32.30
KSP 146.07 347 iPKPc 28 29.50 1.4
1.5s 118.00nm
ic 28 33.60
WTS 146.07 358 ePKP 28 29.50 1.5
0.9s 28.00nm
e 28 34.50
AAE 146.20 259 ePKP 28 33.00 3.2X
CLL 146.20 351 iPKPc 28 29.40 1.1
1.6s 63.00nm
i 28 33.40
BRG 146.48 350 iPKP 28 30.40 1.6
1.7s 110.00nm
i 28 35.50
SPC 146.60 342 ePKP 28 30.20 0.9
MOX 147.04 352 ePKP 28 32.00 2.3X
2.0s 106.00nm
PRU 147.23 349 ePKP 28 32.50 2.5X
UCC 147.29 1 PKP 28 33.00 3.0X
ENN 147.32 359 ePKP 28 32.50 2.4X
0.6s 7.00nm
e 28 39.50
SNF 147.57 1 PKP 28 40.60 10.1X
DOU 147.99 1 PKP 28 34.60 3.4X
GRF 148.03 353 ePKP 28 35.10 3.8X
e 28 41.00
KHC 148.22 350 ePKP 28 35.00 3.3X
1.6s 43.00nm
e 28 40.00
e 29 04.50
ZST 148.36 345 ePKP 28 33.30 1.5
e 28 35.30
e 53 03.30
SRO 148.40 343 ePKP 28 35.70 3.8X
GEC2 148.48 349 PKP 28 32.30 0.1
0.8s 4.51nm
HRI 148.68 305 ePKP 28 30.90 -2.1
FLN 148.99 7 ePKP 28 33.20 0.4
1.2s 13.40nm
ADI 149.16 305 ePKP 28 33.33 -0.3
LDF 149.20 7 ePKP 28 33.60 0.4
0.8s 6.30nm
DSI 149.56 302 ePKP 28 32.70 -1.5
CDF 149.63 357 ePKP 28 32.80 -1.2
KBA 150.25 349 i(PKP)28 37.80 2.8X
1.4s 32.50nm
i 28 42.00
WTTA 150.35 351 i(PKP)28 40.10 4.9X
1.1s 42.70nm
i 28 46.10
MBH 150.52 299 ePKP 28 35.00 -0.8
LOR 150.81 2 ePKP 28 36.50 0.8
1.2s 10.10nm
LJU 150.99 346 e(PKP)28 40.50 4.5X
SSF 151.00 2 ePKP 28 36.90 1.0
LBF 151.09 2 ePKP 28 37.00 0.9
1.0s 6.80nm
VOY 151.14 347 ePKP 28 41.60 5.3X
CEY 151.30 346 e(PKP)28 47.30 10.8X
VBY 151.33 345 iPKP 28 43.40 6.9X
TCF 151.70 4 ePKP 28 37.80 0.7
S.D. = 1.2 on 66 of 91 obs.

% JUN 23, 1992 13h 33m 21.41± 0.51s
44.392 N ± 4.7km 7.377 E ± 4.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.0 (GEN).
STV 0.15 194 P 33 25.23 0.2
S 33 27.67
ENR 0.17 169 P 33 25.16 -0.1
S 33 27.63
PZZ 0.23 300 P 33 26.83 0.4
S 33 30.55
ROB 0.37 105 P 33 29.29 0.3
S 33 34.59
IMI 0.61 142 P 33 33.22 -0.5
S 33 41.63
FIN 0.62 107 P 33 33.69 -0.3
S 33 42.14
RRL 0.68 322 P 33 35.03 0.0
RSP 0.76 354 P 33 35.71 -0.7
PCP 0.85 79 P 33 38.55 0.7
S 33 50.00
S.D. = 0.5 on 9 of 9 obs.

& JUN 23, 1992 14h 49m 09.40s
61.261 N 139.985 W
DEPTH = 10.0km (geophysicist)
4.0mb (3 obs.)
SOUTHERN YUKON TERRITORY, CANADA(18)
<PGC-P>. ML 3.9 (PGC), 3.8
(AEIC).
CTGM 0.72 246 iP 49 21.77 -1.9
eS 49 30.69
YAH 1.25 225 eP 49 31.83 -0.9
HYT 1.28 109 Pc 49 31.00 -2.3
TGL 1.48 251 iP 49 34.48 -1.6
eS 49 53.44
WRG 1.59 220 eP 49 38.49 0.8
CYK 1.71 227 eP 49 40.25 1.0
YKU 1.72 176 P 49 41.90 2.4
GLB 1.85 277 eP 49 40.14 -1.4
eS 50 02.65
TMW 2.50 327 eP 49 47.66 -3.1
PLBC 2.55 134 P 49 50.50 -1.0
KAIM 2.56 240 eP 49 52.17 0.5
TZL 2.71 289 eP 49 54.28 0.5
DWY 2.81 5 P 49 57.60 2.4
KLU 2.87 277 iP 49 55.52 -0.5
CVA 2.91 258 eP 49 55.60 -0.9
SDG 2.92 298 eP 49 54.15 -2.6
DOT 3.05 323 eP 49 54.21 -4.4
TOA 3.07 289 P 49 59.20 0.4
VLZ 3.08 270 eP 49 57.65 -1.2
PAX 3.10 306 eP 49 55.25 -4.0
HIN 3.31 258 eP 49 59.19 -3.1
SCM 3.56 282 eP 50 04.38 -1.5
MID 3.65 243 P 50 05.60 -1.5
SML 4.03 281 eP 50 10.71 -1.8
KNK 4.08 276 eP 50 11.92 -1.3
GHO 4.31 281 eP 50 14.39 -2.2
PLRM 4.41 278 P 50 17.00 -0.8
PMR 4.41 278 eP 50 15.10 -2.7
S 51 21.69
PTE 4.41 269 eP 50 16.80 -1.0
HDA 4.49 318 eP 50 14.04 -4.9
PMS 4.63 274 P 50 19.60 -1.4
RND 4.66 301 eP 50 18.34 -3.2
PWA 4.76 279 P 50 22.50 -0.4
SEW 4.80 260 eP 50 22.38 -0.9
HUR 4.85 295 eP 50 22.69 -1.4
SIT 4.85 148 P 50 27.10 3.0
WRH 4.91 314 eP 50 21.94 -3.0
PRP 4.94 332 eP 50 20.64 -4.9
CUT 5.01 288 eP 50 24.15 -2.1
SLKM 5.06 266 eP 50 24.77 -2.3
FBA 5.09 319 (P) 50 35.76 8.3
S 51 40.81
SUA 5.18 277 eP 50 28.20 -0.7
TRF 5.28 299 eP 50 28.32 -2.0
KTH 5.58 299 eP 50 32.55 -1.9
CGLM 5.80 276 P 50 36.00 -1.6
SPU 5.83 275 eP 50 35.12 -2.9
NCG 5.86 277 eP 50 34.91 -3.6
CRP 5.87 275 eP 50 38.63 0.0
CPKM 5.91 275 eP 50 34.41 -4.8
BKG 5.95 274 eP 50 36.46 -3.2
BGL 5.99 275 P 50 39.50 -0.7
REF 6.26 268 eP 50 40.52 -3.7
S 52 03.78
BOB 6.57 126 P 50 47.70 -0.8
SVW 7.56 276 eP 50 58.34 -3.9
0.8s 6.06nm 4.8mb X
TTA 7.70 290 eP 51 00.66 -3.6
1.6s 21.73nm 5.1mb X
IMA 7.76 314 eP 51 01.26 -3.9
1.4s 10.61nm 4.9mb X
S 52 59.10
YKA 12.01 73 eP 52 01.20 -2.2
0.4s 0.70nm 4.3mb
MBC 16.61 17 eP 53 04.00 0.6
1.0s 2.00nm 3.2mb
NB2 56.04 16 P 58 44.80 -5.3
0.9s 1.90nm 4.1mb
59 obs. associated

JUN 23, 1992 14h 51m 04.76± 1.10s
7.646 S ± 5.6km 123.934 E ± 8.8km
DEPTH = 276.7 ± 13.3 km
4.7mb (14 obs.)
BANDA SEA (280)
PCI 7.84 328 ePd 52 59.40 2.5
0.7s 3.50nm 3.5mb X
e 57 56.60
MTN 8.77 127 eP 53 07.20 -1.3
eS 54 43.00
KNA 9.34 150 iPc 53 22.80 7.0X
eS 55 06.00
MBL 14.01 196 eP 54 11.50 -1.9
eS 56 55.00
WB2 15.86 141 iPc 54 33.70 -1.6
0.7s 122.70nm 5.4mb
eS 57 22.40
ASPA 18.58 150 iPd 55 03.90 0.1
1.0s 229.20nm 5.6mb
i 55 08.60
iS 58 20.00
WARB 18.62 172 iPd 55 04.60 0.4
MEEK 19.55 194 iPd 55 14.10 0.5
eS 59 04.00
OIS 19.87 132 iPd 55 16.60 -0.1
0.4s 53.00nm 5.3mb
eS 58 43.90
WWKK 19.99 80 eP 55 18.00 -0.1
MRWA 22.72 198 eP 55 45.00 0.6
0.3s 10.00nm 4.8mb
COOL 23.27 186 eP 55 49.10 -0.4
FORT 23.34 171 iPd 55 50.20 0.1
BAL 23.82 196 Pd 55 55.00 0.3
KLB 24.51 193 eP 56 00.80 -0.2
0.2s 8.00nm 4.8mb
MUN 25.26 196 eP 56 07.70 -0.1
STK 29.19 148 iPd 56 43.20 0.2
0.9s 16.30nm 4.6mb
iPP 57 39.40
eS 01 13.00
CMS 31.30 142 eP 57 02.00 0.5
BWA 34.91 143 iPd 57 35.00 2.7
CAN 35.87 144 eP 57 41.90 1.5
CHG 36.04 317 eP 57 43.00 1.1
CD2 42.94 334 P 58 38.80 0.3
0.7s 22.00nm 4.5mb
XAN 43.83 342 P 58 45.40 -0.2
0.6s 22.00nm 4.7mb
LZH 47.43 338 iPc 59 14.50 0.6
1.0s 36.00nm 4.7mb
GUN 51.01 315 P 59 40.80 -0.7
0.6s 12.00nm 4.5mb
PKI 51.13 315 P 59 41.40 -1.0
0.6s 12.00nm 4.5mb
CN2 51.22 1 eP 59 42.80 0.4
KKN 51.35 315 P 59 42.50 -1.4
DMN 51.37 315 P 59 43.30 -0.8
GTA 51.88 336 P 59 48.00 0.5
1.0s 9.00nm 4.2mb
GKN 51.94 315 P 59 47.30 -0.8
MDJ 52.27 5 eP 59 47.90 -2.1
YAK 69.60 3 eP 01 45.40 -0.2
1.0s 30.00nm 5.0mb

MAW 72.19 201 eP 02 02.00 1.0
1.0s 20.00nm 4.8mb
CNCB 152.99 154 PKP 10 19.00 -5.5X
LPB 153.19 154 ePKP 10 14.00 -10.6X
ZOBO 153.39 153 PKP 10 20.70 -4.5X
S.D. = 1.1 on 33 of 37 obs.

& JUN 23, 1992 15h 00m 00.07s
37.124 N 116.031 W
DEPTH = 0.0km
SOUTHERN NEVADA (41)
<DOE>. ML 3.9 (GS). 37' 07'
26.10" N., 116' 01' 52.48" W.,
Surface Elev. 1296 m., Depth of
Burial 290 m., Shot Time
150000.072, "GALENA," Nevada
Test Site (Dept. of Energy).

CPY 0.20 187 iPc 00 04.19 0.2
TPNV 0.25 225 iPc 00 05.79 0.8
MCY 0.46 173 iPc 00 08.89 -0.5
SPRG 0.46 157 iPc 00 09.19 -0.2
BMTN 0.51 289 iPc 00 10.39 0.1
KRNA 0.68 336 iPc 00 13.50 -0.1
EPR 0.68 86 iPc 00 13.69 0.1
CTS 0.77 314 iPc 00 15.10 -0.3
TNP 1.34 316 iPc 00 25.67 -0.3
BONR 1.99 295 iPc 00 35.12 -0.5
ARUT 2.17 71 ePc 00 37.28 -0.8
ISA 2.45 234 ePc 00 41.48 -0.6
KVN 2.52 320 ePc 00 42.55 -0.7
SSK 3.21 205 eP 00 52.25 -0.6
MSU 3.35 64 ePc 00 54.33 -0.8
PEC 3.35 196 eP 00 54.33 -0.6
ABL 3.44 230 ePn 00 55.46 -0.8
PKEM 3.45 253 eP 00 54.52 -1.7
PHAM 3.75 251 eP 00 59.81 -0.6
BCH 3.81 241 eP 01 00.69 -0.7
PLM 3.82 190 eP 01 01.10 -0.6
DUG 3.97 38 ePn 01 02.60 -1.1
GLA 4.18 166 eP 01 05.21 -1.4
ARN 4.40 275 eP 01 09.10 -0.6
SRU 4.77 64 eP 01 15.29 0.1
EMUT 4.90 55 eP 01 18.18 1.2
ORV 4.94 301 eP 01 15.93 -1.4
DAU 4.97 47 eP 01 18.27 0.2
eS 02 40.91
HVU 5.29 27 eP 01 21.28 -1.2
LBFM 6.20 315 eP 01 35.55 0.2
BW06 7.52 39 eP 01 54.00 0.1
ALQ 8.06 103 (P) 01 59.25 -2.1
0.8s 18.00nm 5.4mb X
GOL 8.75 70 eP 02 10.47 -0.7
1.0s 4.88nm 4.8mb X
33 obs. associated

• JUN 23, 1992 15h 36m 39.80± 0.96s
66.967 N ±10.5km 20.949 E ±14.6km
DEPTH = 10.0km (geophysicist)
SWEDEN (536)
MD 2.4 (BER).

KTK1 2.23 22 eP 37 18.26 1.0
eSg 37 49.20
LOF 3.07 296 eP 37 29.10 -0.1
ARA0 3.09 31 Pn 37 28.54 -0.9
Sg 38 13.38
NRA0 7.50 218 Pn 38 31.51 -0.3
HFS 7.58 209 eP 38 33.20 0.3
0.2s 0.50nm 4.4mb
S.D. = 1.0 on 5 of 5 obs.

& JUN 23, 1992 17h 00m 58.55s
61.820 N 149.996 W
DEPTH = 40.1km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.6 (AEIC).

PWA 0.18 162 P 01 06.00 0.3
S 01 11.40
SUA 0.51 225 iPc 01 09.04 -0.5
eS 01 18.24
GHO 0.51 95 ePd 01 08.93 -0.6
eS 01 17.80
CUT 0.60 348 iPd 01 09.87 -0.8
eS 01 18.96
PMS 0.61 160 P 01 10.10 -0.8
S 01 19.60
SKT 0.74 283 iPc 01 11.64 -1.1
eS 01 22.43
SML 0.79 90 ePc 01 12.21 -1.2
KNK 0.84 118 ePd 01 13.24 -0.8
eS 01 25.62
PTE 1.07 154 ePd 01 16.39 -0.8
eS 01 31.92
CGLM 1.09 243 ePc 01 17.13 -0.5
eS 01 32.16
NCG 1.11 249 ePc 01 16.94 -1.1
eS 01 32.29
CRP 1.17 243 P 01 18.50 -0.4
S 01 35.20
HUR 1.17 8 ePd 01 18.17 -0.6
eS 01 34.17
SPU 1.18 238 iPc 01 18.18 -0.7
eS 01 34.47
CKN 1.21 241 eP 01 19.11 -0.1
CPKM 1.21 243 ePc 01 19.18 -0.3
eS 01 34.90
SCM 1.27 88 ePc 01 19.56 -0.6
eS 01 36.90
BGL 1.28 245 eP 01 19.89 -0.4
eS 01 37.36
CKL 1.29 242 ePc 01 19.80 -0.6
eS 01 37.42
SLKM 1.32 185 eP 01 19.74 -1.1
BKG 1.32 236 ePc 01 20.30 -0.7
eS 01 38.45
TRF 1.64 355 eP 01 24.79 -0.8
RND 1.68 18 eP 01 25.02 -1.0
SEW 1.74 171 eP 01 26.35 -0.4
KTH 1.79 347 ePd 01 27.04 -0.6
eS 01 49.84
DFR 1.79 228 P 01 27.00 -0.6
TOA 1.83 79 P 01 28.20 0.1
REF 1.87 226 eP 01 28.37 -0.5
eS 01 53.40
VLZ 1.89 110 ePc 01 27.53 -1.4
NNL 1.89 200 eP 01 29.70 0.7
RSO 1.91 226 eP 01 29.19 -0.2
RS2 1.91 226 eP 01 29.39 -0.1
eS 01 54.35
RS1 1.91 226 eP 01 29.13 -0.3
eS 01 53.69
RED 1.95 225 ePc 01 29.28 -0.6
eS 01 54.06
KLU 1.97 98 eP 01 29.24 -1.0
eS 01 53.87
MCK 1.98 14 ePd 01 30.25 -0.1
eS 01 54.64
BRLK 2.11 192 P 01 30.80 -1.4
TZL 2.17 82 P 01 32.70 -0.4
SDG 2.21 69 eP 01 33.78 0.2
HIN 2.22 129 eP 01 31.82 -1.9
INE 2.31 222 eP 01 34.79 -0.4
INW 2.33 222 eP 01 34.87 -0.6
PAX 2.40 59 eP 01 36.50 0.1
CVA 2.42 120 eP 01 36.55 0.0
DDM 2.74 42 P 01 42.70 1.6
WRH 2.80 17 eP 01 39.76 -2.1
PDB 2.90 227 eP 01 42.07 -1.2
HDA 2.94 27 eP 01 43.00 -0.9
AUE 2.98 215 P 01 43.70 -0.7
GLB 2.98 95 eP 01 43.12 -1.3
MID 3.00 141 P 01 47.20 2.5
CCB 3.01 18 eP 01 43.79 -1.0
MLY 3.24 354 eP 01 46.09 -2.2
DOT 3.29 53 eP 01 46.60 -2.3
GLM 3.39 19 eP 01 48.00 -2.3
CDD 3.42 214 eP 01 51.05 0.3
TGL 3.62 104 eP 01 52.19 -1.5
57 obs. associated

% JUN 23, 1992 17h 29m 36.59± 2.95s
38.904 N ±13.2km 26.255 E ±24.1km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)

EZN 0.92 3 iPg 29 53.70 -0.5
eSg 30 07.50
IZM 0.94 122 iPn 29 54.60 0.1
KGT 1.74 27 iPn 30 07.20 0.1
EDC 1.90 40 ePn 30 10.00 0.6
BNT 1.94 41 iPn 30 10.00 0.1
DST 1.97 68 ePn 30 10.00 -0.4
KCT 2.11 50 iPn 30 11.80 -0.6
CTT 2.79 36 ePn 30 22.90 0.7
IZI 2.87 59 ePn 30 23.00 -0.3
S.D. = 0.5 on 9 of 9 obs.

JUN 23, 1992 17h 35m 01.27± 0.92s
51.607 N ± 7.9km 7.568 E ± 7.6km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.4 (BNS). Felt at Lunen.

WTS 0.61 310 ePg 35 13.50 -0.1
0.6s 31.00nm
BNS 0.69 201 iPgc 35 15.00 0.1
0.5s 186.00nm
iSg 35 25.30
ENN 1.33 232 ePn 35 26.00 0.2
0.6s 16.00nm
eSn 35 46.00
MEM 1.40 225 iPc 35 26.73 -0.1
ABH 1.73 180 ePn 35 31.30 -0.3
RUP 1.93 190 ePn 35 38.26 3.7X
MOX 2.73 109 ePg 35 46.00 0.1
Sg 36 25.00
S.D. = 0.2 on 6 of 7 obs.

? JUN 23, 1992 18h 31m 06.48±18.23s
43.469 N ±91.0km 5.724 E ±115.km
DEPTH = 5.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)

CDR 0.21 9 ePg 31 08.90 -1.8
e 31 13.70
STV 1.39 56 P 31 32.49 -0.2
S 31 54.54
PZZ 1.44 43 P 31 34.13 0.8
S 31 56.49
ENR 1.44 58 P 31 33.11 -0.3
S 31 55.15
IMI 1.63 74 P 31 35.06 -1.0
S 31 58.78
RRL 1.64 27 P 31 37.62 1.3
ROB 1.76 61 P 31 38.13 0.3
S 32 03.40
FIN 1.94 67 P 31 40.39 -0.1
S 32 06.78
RSP 2.01 33 P 31 42.00 0.4
LSD 2.24 27 P 31 47.46 2.5X
PCP 2.30 61 P 31 45.21 -0.5
S.D. = 1.0 on 10 of 11 obs.

? JUN 23, 1992 18h 36m 50.31± 4.05s
71.055 N ±34.9km 15.140 W ±35.0km
DEPTH = 10.0km (geophysicist)
4.3mb (21 obs.) 3.4Msz (3 obs.)
JAN MAYEN ISLAND REGION (639)

JNW 2.19 88 eP 37 25.13 -2.1
eSg 37 42.71
JNE 2.24 88 eP 37 25.06 -2.9X
eSg 37 47.61
AKU 5.50 193 iP 38 13.20 -1.0
1.0s 140.00nm 5.6mb X
iS 39 11.80
ARA0 13.61 77 eP 40 04.81 -0.6
NB2 14.51 120 P 40 14.50 -2.9X
1.0s 8.40nm 4.3mb
HFS 15.96 119 eP 40 39.20 3.1X
0.9s 6.80nm 3.8mb
Z 17s 0.14um 3.8MszX
LR 44 15.00
EKA 16.62 155 Pd 40 43.70 -0.8
1.6s 26.70nm 4.1mb
KAF 18.33 98 iP 41 05.30 -0.4
0.7s 5.40nm 3.8mb
WTS 21.54 141 eP 41 40.00 -1.2
0.9s 10.00nm 4.2mb
ENN 22.53 143 eP 41 50.00 -1.1
1.0s 51.00nm 5.0mb
FLN 23.40 155 eP 41 57.50 -2.2
1.0s 11.80nm 4.4mb
Z 21s 0.15um 3.4Msz
CLL 23.57 132 iP 42 03.00 1.7
LDF 23.62 155 iPd 42 00.00 -1.8
BRG 24.20 131 eP 42 08.00 0.6
GRF 24.66 136 ePc 42 12.90 1.0
Z 21s 0.10um 3.3Msz

23d 18h

KSP 24.82 128 iPc 42 14.40 1.0
CDF 25.04 143 eP 42 16.30 0.6
PRU 25.17 131 eP 42 18.00 1.2
BSF 25.51 144 eP 42 20.40 0.3
0.9s 6.70nm 4.3mb
LOR 25.52 149 iPd 42 20.60 0.5
0.9s 7.85nm 4.4mb
Z 23s 0.13um 3.4MszX
SSF 25.66 150 iPd 42 21.80 0.4
0.9s 5.10nm 4.2mb
KHC 25.73 133 P 42 23.00 0.9
1.0s 3.50nm 4.0mb
e 43 12.50
LBF 25.82 149 iPd 42 23.50 0.6
0.9s 8.70nm 4.4mb
AVF 25.90 150 eP 42 23.20 -0.4
0.9s 5.55nm 4.3mb
GEC2 26.03 133 P 42 24.30 -0.6
0.9s 1.91nm 3.8mb
BGF 26.05 151 eP 42 24.50 -0.5
0.6s 5.75nm 4.4mb
SMF 26.12 149 iPd 42 26.30 0.6
1.0s 13.20nm 4.6mb
LSF 26.15 153 eP 42 25.40 -0.5
1.1s 16.35nm 4.6mb
TCF 26.21 152 eP 42 26.10 -0.5
0.9s 7.35nm 4.4mb
OJC 26.32 124 eP 42 29.60 2.1
e 42 34.50
MAF 26.33 152 eP 42 27.20 -0.4
0.9s 8.70nm 4.4mb
RJF 27.07 154 eP 42 35.10 0.7
1.2s 14.90nm 4.6mb
Z 22s 0.15um 3.5Msz
CAF 27.52 153 eP 42 39.00 0.5
0.9s 4.60nm 4.2mb
LPL 27.72 146 eP 42 42.20 1.6
S.D. = 1.1 on 31 of 34 obs.

? JUN 23, 1992 19h 27m 49.08± 3.18s
36.473 N ±10.1km 13.165 W ±30.9km
DEPTH = 10.0km (geophysicist)
NORTH ATLANTIC OCEAN (402)
mbLg 3.0 (MDD). MD 2.9 (RBA).

EVAL 5.25 76 ePn 29 10.00 0.5
eSn 30 03.60
AVE 5.69 122 ePn 29 14.00 -1.7
eSn 30 14.00
i 30 17.00
EHOR 6.47 76 ePn 29 27.60 1.0
eSn 30 32.20
EPLA 6.63 55 ePn 29 29.00 0.1
eSn 30 36.80
EZAM 6.64 30 ePn 29 29.60 0.5
eSn 30 35.60
IFR 7.23 112 e(Pn) 29 25.00 -12.5X
i 29 32.00
iSn 30 49.00
STS 7.32 28 ePn 29 38.20 -0.4
eSn 30 50.00
TIO 7.40 137 iPn 29 41.00 1.1
iSn 30 57.50
GUD 8.19 57 ePn 29 50.00 -1.0
S.D. = 1.2 on 8 of 9 obs.

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* JUN 23, 1992 19h 32m 38.63± 0.56s
1.409 N ± 8.3km 123.282 E ±11.1km
DEPTH = 10.0km (geophysicist)
4.5mb (4 obs.) 4.3Msz (2 obs.)
MINAHASSA PENINSULA, SULAWESI (265)

PCI 4.14 236 iPd 33 40.90 -2.4
i(S) 34 10.20
e 43 14.20
CGP 7.14 11 eP 34 24.00 -1.7
KKM 8.42 303 eP 34 45.50 1.8
IPM 22.45 279 ePc 37 39.90 0.5
WB2 23.84 153 iPc 37 53.00 0.1
0.7s 38.50nm 5.1mb X
ASPA 26.98 158 eP 38 21.60 -1.0
0.7s 5.30nm 4.3mb
QIS 27.06 145 iPc 38 23.00 -0.3
i 39 08.10
CHG 29.47 307 eP 38 46.50 1.3
CD2 34.68 330 P 39 29.00 -1.7
0.9s 17.00nm 4.9mb
TIY 37.48 346 eP 39 54.10 -0.2
Z 20s 0.50um 4.3Msz
BJI 38.99 351 eP 40 06.50 -0.4
0.8s 8.00nm 4.4mb
HHC 40.67 346 eP 40 21.20 0.3
LSA 41.53 316 P 40 28.40 -0.1
ARMA 41.61 142 eP 40 30.00 1.3
GTA 43.46 333 eP 40 43.00 -0.8
1.0s 9.00nm 4.5mb
Z 18s 0.29um 4.2Msz
CAN 43.74 149 eP 40 47.50 1.5
WMQ 52.75 328 eP 41 58.00 1.9
S.D. = 1.4 on 17 of 17 obs.

& JUN 23, 1992 20h 00m 24.83s
62.871 N 150.727 W
DEPTH = 94.5km
CENTRAL ALASKA (1)
<AEIC>.

HUR 0.51 77 eP 00 40.35 0.0
eS 00 51.89
CUT 0.51 155 eP 00 40.29 0.0
TRF 0.62 19 eP 00 41.19 -0.2
eS 00 54.27
KTH 0.69 353 eP 00 41.58 -0.4
SKT 0.97 203 iP 00 44.39 -0.4
eS 00 59.68
RND 1.01 57 iP 00 45.03 -0.3
eS 01 00.45
MCK 1.18 42 eP 00 46.66 -0.7
PWA 1.29 162 P 00 48.50 0.0
S 01 08.60
GHO 1.39 142 eP 00 49.78 -0.1
eS 01 09.40
SUA 1.41 180 eP 00 49.80 -0.4
eS 01 10.49
PLRM 1.49 149 eP 00 50.92 0.0
SML 1.54 133 eP 00 51.34 -0.5
NCG 1.62 205 eP 00 51.95 -0.9
CGLM 1.68 202 eP 00 52.74 -0.9
PMS 1.72 161 P 00 53.50 -0.6
S 01 14.90
CRP 1.74 203 P 00 54.00 -0.5
S 01 16.80
CPKM 1.76 204 eP 00 54.15 -0.7
eS 01 17.31
CKN 1.79 203 eP 00 54.44 -0.5
BGL 1.79 207 eP 00 54.79 -0.3
SPU 1.81 201 eP 00 54.19 -1.0
KNK 1.81 143 eP 00 54.34 -0.9
eS 01 18.29
CKL 1.84 205 eP 00 54.73 -1.0
NEA 1.86 22 iP 00 54.65 -1.3
eS 01 16.70
SCM 1.90 122 eP 00 55.68 -0.7
BKG 1.95 203 eP 00 56.78 -0.3
WRH 1.99 35 eP 00 56.47 -1.1
MLY 2.17 360 eP 00 58.60 -1.4
PTE 2.17 157 eP 00 58.50 -1.4
eS 01 25.69
CCB 2.21 35 eP 00 59.10 -1.3
TOA 2.25 108 P 01 00.80 -0.3
THY 2.32 74 P 01 04.50 2.4
SLKM 2.38 174 eP 01 01.73 -1.2
PAX 2.41 85 eP 01 02.90 -0.4
SDG 2.41 96 eP 01 02.76 -0.5
FBA 2.42 31 P 01 02.20 -1.1
TTA 2.42 274 P 01 01.80 -1.6
DJE 2.55 61 eP 01 05.45 0.4
REF 2.57 202 eP 01 04.90 -0.7
GLM 2.59 33 eP 01 04.35 -1.3
TZL 2.60 106 eP 01 05.28 -0.5
RS2 2.60 203 eP 01 05.32 -0.7
RSO 2.60 203 eP 01 05.73 -0.3
RS1 2.61 203 eP 01 06.08 0.0
KLU 2.64 119 eP 01 04.65 -1.8
RED 2.65 203 eP 01 06.66 0.1
VLZ 2.71 128 eP 01 05.63 -1.6
eS 01 37.12
SEW 2.84 167 eP 01 07.86 -1.2
NNL 2.85 186 eP 01 09.83 0.6
SVW 2.91 235 P 01 10.10 0.0
INE 3.03 203 eP 01 12.04 0.2
INW 3.04 203 P 01 11.00 -0.9
DOT 3.11 73 eP 01 11.48 -1.3
HIN 3.20 139 eP 01 12.08 -1.9
HOM 3.25 188 eP 01 12.35 -2.4
CNPM 3.37 184 P 01 15.10 -1.2
IMA 3.46 340 P 01 15.10 -2.5
PRP 3.50 38 eP 01 17.21 -1.0
PDB 3.52 210 eP 01 17.76 -0.6
TMW 3.54 79 eP 01 16.42 -2.3
GLB 3.55 111 eP 01 16.91 -1.9
AUL 3.74 202 P 01 23.50 2.1
CDD 4.20 201 eP 01 27.34 -0.5
TGL 4.30 116 eP 01 28.00 -1.3
SYI 4.35 192 P 01 27.50 -2.3
64 obs. associated

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* JUN 23, 1992 20h 11m 42.11± 2.38s
37.958 N ±13.2km 20.245 E ±19.9km
DEPTH = 10.0km (geophysicist)
IONIAN SEA (399)
ML 3.3 (ATH).

VLS 0.35 51 ePg 11 48.90 -0.4
KEK 1.79 349 ePb 12 20.00 6.8X
VLI 2.48 119 ePn 12 22.50 -0.6
KZN 2.63 26 ePg 12 34.00 8.6X
ATH 2.74 89 ePn 12 28.00 1.0
OHR 3.18 8 ePn 12 33.50 0.4
VAY 3.81 27 ePn 12 52.00 10.0X
SKO 4.11 13 ePn 12 46.00 -0.3
S.D. = 1.0 on 5 of 8 obs.

? JUN 23, 1992 21h 47m 26.75± 2.39s
26.559 S ±16.3km 178.397 E ±23.2km
DEPTH = 649.7 ± 24.4 km
4.6mb (4 obs.)
SOUTH OF FIJI ISLANDS (171)

DZM 11.78 290 iPc 50 03.00 -0.4
QRZ 15.04 197 P 50 34.50 0.2
ARMA 23.82 254 iPd 51 54.90 0.5
RMQ 26.50 263 iPc 52 18.00 0.2
CTA 30.16 275 eP 52 50.40 1.3
0.4s 133.05nm 5.9mb X
ASPA 40.24 264 iPc 54 11.30 -0.6
0.4s 16.40nm 4.8mb
iS 59 33.80
WB2 40.85 270 iPd 54 15.70 -1.0
0.4s 31.20nm 5.1mb
eS 59 40.90
CSY 57.10 206 iPc 56 14.50 -0.9
0.5s 11.10nm 4.3mb
MAW 74.76 201 ePd 58 04.00 0.6
0.9s 9.00nm 4.3mb
UPP 144.17 344 iPKP 05 50.60 -0.5
NB2 144.44 349 PKP 05 52.10 0.4
0.5s 2.70nm
HFS 144.83 347 ePKP 05 52.40 0.1
0.4s 5.20nm
BCAO 150.76 225 iPKPd 06 10.00 7.0X
0.2s 24.00nm
S.D. = 0.8 on 12 of 13 obs.

JUN 23, 1992 22h 13m 00.48± 0.53s
35.207 N ± 5.3km 28.092 E ± 6.0km
DEPTH = 71.0 ± 8.3 km
3.9mb (18 obs.)
EASTERN MEDITERRANEAN SEA (371)
MD 4.1 (ATH).

NPS 2.03 272 ePb 13 34.00 0.8
IZM 3.25 348 iPn 13 49.80 -0.4
KHL 3.32 20 ePn 13 52.00 0.9
PPCY 3.50 94 eP 13 57.40 3.7X
eS 14 38.50
ALT 4.17 22 ePn 14 04.50 1.4
CSS 4.30 92 eP 14 09.60 4.6X
eS 14 59.00
DST 4.41 5 ePn 14 07.30 0.8
VLI 4.45 291 ePn 14 05.10 -1.8
ATH 4.47 309 ePn 14 08.90 1.6
EZN 4.82 344 eP 14 11.50 -0.6
KCT 5.04 2 eP 14 15.80 0.6
EDC 5.13 358 eP 14 15.00 -1.6
BNT 5.14 359 eP 14 15.00 -1.7
KOT 6.13 148 ePn 14 30.50 0.0
JVI 6.88 116 eP 14 40.30 -0.6
DSI 7.09 119 eP 14 43.30 -0.4
SAGI 7.44 130 eP 14 47.30 -1.3
eS 16 07.30

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MBH     7.89 132 eP      14 53.60  -1.2
OHR     8.23 318 e(P)    15 03.50   4.0X
HOL     8.35 133 iPd     15 02.50   1.4
                 eS      16 31.00
AYN     9.21 131 ePc     15 14.60   1.7
                 eS      16 56.00
OJC    16.18 341 eP      16 48.50   3.9X
KHC    17.54 327 P       17 02.00   0.4
        1.0s    3.50nm           3.5mb
LPG    19.19 309 eP      17 21.60   0.1
        0.9s    6.70nm           3.9mb
LPL    19.21 309 eP      17 21.60  -0.1
        0.7s    3.30nm           3.7mb
MOX    19.52 327 eP      17 26.10   1.5
CDF    20.28 317 eP      17 32.30  -0.4
        0.8s    2.95nm           3.7mb
SMF    21.50 309 eP      17 44.30  -0.7
        0.8s    5.25nm           4.0mb
LBF    21.56 310 eP      17 44.70  -0.8
        1.0s    4.40nm           3.8mb
LOR    21.75 311 eP      17 45.90  -1.5
AVF    21.87 309 eP      17 48.00  -0.6
        0.8s    4.05nm           3.9mb
SSF    21.88 310 eP      17 48.30  -0.4
        1.0s   11.80nm           4.3mb
BGF    22.10 309 eP      17 51.60   0.7
        0.6s    6.30nm           4.2mb
RJF    22.56 305 eP      17 57.70   2.3X
LPO    22.61 303 eP      17 58.50   2.6X
        0.8s    6.30nm           4.1mb
LFF    22.98 303 eP      18 02.20   2.7X
        0.6s    3.95nm           4.0mb
MFF    24.06 307 eP      18 11.40   1.5
        0.9s    7.20nm           4.1mb
LDF    24.73 311 eP      18 16.90   0.5
        0.5s    1.45nm           3.7mb
FLN    25.02 312 eP      18 19.30   0.2
        0.8s    8.35nm           4.2mb
LPF    25.10 310 eP      18 20.60   0.7
        0.8s    4.45nm           4.0mb
GRR    25.11 311 eP      18 20.40   0.4
        0.5s    3.65nm           4.1mb
HFS    26.64 344 eP      18 33.70  -0.2
        0.4s    0.60nm           3.5mb
     Z  17s     0.04um           3.0MszX
                 LR      28 40.00
NB2    28.02 342 P       18 45.80  -0.7
        0.7s    0.90nm           3.5mb
     S.D. = 1.1  on  36 of  43 obs.
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   JUN 23, 1992  22h 22m 13.80± 1.23s
   25.964 N ± 9.0km  126.278 E ± 7.4km
   DEPTH =  76.6 ± 11.4 km
   4.2mb ( 11 obs.)
 RYUKYU ISLANDS                    (238)

TATO    4.44 258 eP      23 21.00   0.9
        1.0s  224.00nm
KAGJ    6.60  37 P       23 49.10  -1.0
SSE     6.80 320 eP      23 47.50  -5.4X
     Z  20s     0.50um
KUMJ    7.66  30 P       24 04.50  -0.3
WHN    11.46 296 eP      24 57.50   1.0
SNY    15.98 353 eP      26 00.00   4.8X
BJI    16.38 331 eP      26 01.50   1.3
        1.0s   13.00nm           4.1mb
TIY    16.58 318 eP      26 02.10  -0.7
     E  10s     0.30um
CN2    17.81 358 eP      26 21.80   3.9X
        0.8s    6.10nm           3.9mb
     Z  17s     0.35um           4.6Msz
     N  10s     0.44um
     E  10s     0.27um
                 epP     26 33.50
HHC    19.23 324 P       26 37.80   3.1X
        1.0s    8.80nm           4.0mb
     Z  16s     0.47um           4.0Msz
     N  11s     0.18um
     E  11s     0.20um
BTO    19.90 321 eP      26 47.50   5.8X
     N  14s     0.31um
     E  14s     0.38um
CD2    20.40 289 P       26 47.00   0.1
        1.0s   22.00nm           4.4mb
     E  10s     0.87um
LZH    21.67 303 Pd      27 05.50   5.7X
        1.4s   28.00nm           4.5mb
     Z  10s     0.32um           4.0MszX
GTA    25.89 308 eP      27 39.00  -1.3
GUN    35.96 282 P       29 09.00  -0.4
PKI    36.41 282 P       29 12.00  -1.2
KKN    36.50 282 P       29 12.80  -1.0
GKN    37.04 283 P       29 16.80  -1.4
WB2    46.30 169 eP      30 33.70   0.0
        0.8s    6.20nm           4.6mb
ASPA   49.89 171 iPd     31 01.60   0.1
        0.5s    6.50nm           4.9mb
MBC    70.49  13 eP      33 22.00   0.4
HFS    78.23 332 eP      34 07.20   0.9
        0.4s    0.50nm           3.8mb
NB2    78.77 333 P       34 09.70   0.4
        0.8s    2.60nm           4.2mb
YKA    79.50  24 eP      34 14.10   0.9
        0.7s    4.10nm           4.5mb
GEC2   84.34 322 P       34 39.90   1.2
        0.6s    0.75nm           3.9mb
     S.D. = 1.0  on  19 of  25 obs.
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   JUN 23, 1992  22h 26m 59.18± 0.85s
   37.661 S ± 8.2km  176.850 E ± 5.8km
   DEPTH =  15.8 ±  7.3 km
   3.3mb (  1 obs.)
 NORTH ISLAND, NEW ZEALAND         (159)
       ML 4.2 (WEL).

WIZ     0.30  64 Pc      27 05.90   0.2
TAZ     0.63 205 P       27 11.70   0.3
UTU     0.73 225 P       27 14.10   1.0
PATZ    0.86 213 P       27 15.60   0.3
WLZ     1.02 259 Pc      27 17.20  -0.7
PUZ     1.19 111 P       27 20.60  -0.3
                 eS      27 38.60
PAHZ    1.21 172 eP      27 20.30  -0.9
NOZ     1.34 136 eP      27 23.80   0.7
MOZ     1.82 242 eP      27 29.10  -1.0
TTH     1.88 181 eP      27 31.60   0.7
WAHZ    2.07 191 eP      27 34.10   0.3
BSZ     2.61 215 eP      27 43.50   2.1
PGZ     2.99 188 eP      27 44.70  -2.0
MNG     3.14 199 eP      27 48.00  -0.9
WB2    40.82 284 eP      34 41.80   0.2
        0.7s    0.50nm           3.3mb
     S.D. = 1.1  on  15 of  15 obs.
------------------------------------------
%  JUN 23, 1992  22h 51m 11.51± 2.92s
   45.752 N ±16.7km   26.645 E ±10.9km
   DEPTH = 125.2 ± 28.9 km
 ROMANIA                           (358)

VRI     0.13  25 iPc     51 28.50   0.3
CVO     0.34 282 iPc     51 29.00   0.2
BRD     0.37 129 iPc     51 30.00   0.4
MLR     0.56 242 iPc     51 30.00  -0.8
ISR     0.62 187 ePc     51 31.00  -0.1
CLI     0.91  29 iPc     51 33.50   0.0
PTT     1.20 351 eP      51 55.00  18.7X
CFR     1.20 118 iPc     51 36.00  -0.3
MTUR    1.23 245 eP      51 36.50  -0.2
TNR     1.67 267 ePc     51 40.00  -1.6
COZ     1.68 256 ePc     51 44.00   2.1
     S.D. = 1.2  on  10 of  11 obs.
------------------------------------------
*  JUN 23, 1992  23h 05m 13.37± 0.64s
   61.314 S ±10.9km  161.186 E ±17.7km
   DEPTH =  10.0km  (geophysicist)
   4.5mb (  4 obs.)
 BALLENY ISLANDS REGION            (702)

MCO     6.94 349 eP      06 57.40   0.0
CSY    22.37 235 eP      10 13.60   1.1
        0.1s    2.30nm           4.6mb
STK    32.10 328 eP      11 42.10  -0.4
        1.7s    1.70nm           3.7mb
MAW    38.53 217 e(P)    12 36.00  -0.9
        1.0s    8.00nm           4.4mb
ASPA   42.03 321 iPc     13 06.20  -0.1
        0.8s   18.60nm           4.9mb
CNCB   92.89 133 P       18 29.00   0.8
ZOBO   93.32 133 P       18 29.10  -1.2
FCC   144.24  60 ePKP    24 49.50   0.0
MBC   146.03  25 ePKP    24 54.00   1.9
        1.9s   49.00nm
VAY   148.08 250 ePKP    24 57.00   0.6
OHR   148.71 248 ePKP    24 56.00  -1.6
SKO   149.11 250 iPKP    25 03.40   5.3X
OBN   150.95 283 ePKP    25 05.00   4.7X
GEC2  157.87 251 PKP     25 16.20   6.0X
        0.9s    0.34nm
     S.D. = 1.2  on  11 of  14 obs.
------------------------------------------
   JUN 23, 1992  23h 35m 25.88± 0.44s
   22.514 N ±10.3km   44.917 W ± 7.9km
   DEPTH =  10.0km  (geophysicist)
   4.8mb ( 26 obs.)  4.2Msz (  3 obs.)
 NORTHERN MID-ATLANTIC RIDGE       (403)

CCM    42.46 302 eP      43 22.97   0.3
        0.8s    2.90nm           4.1mb
LPF    43.15  43 eP      43 28.00  -0.2
        1.2s   24.10nm           4.8mb
MFF    43.25  45 eP      43 29.10   0.1
        1.1s   21.50nm           4.8mb
LFF    43.36  48 eP      43 29.60  -0.4
        1.3s   40.45nm           5.0mb
GRR    43.39  42 eP      43 29.80  -0.3
FLN    43.75  42 eP      43 32.70  -0.4
        0.9s    9.00nm           4.6mb
     Z  22s     0.35um           4.2Msz
LSF    44.25  46 eP      43 36.90  -0.3
        1.0s   14.00nm           4.8mb
TCF    44.72  46 eP      43 40.60  -0.4
        1.1s   16.35nm           4.8mb
ZOBO   44.76 213 iPc     43 41.80  -0.5
        1.4s   28.55nm           5.0mb
                 LR      49 42.00
MAF    44.94  46 eP      43 42.30  -0.5
LPB    44.95 212 P       43 43.20  -0.4
     Z  24s     0.78um           4.6MszX
                 LR      49 28.00
CNCB   45.13 212 iPc     43 45.20   0.0
BGF    45.21  46 eP      43 44.40  -0.5
        0.8s    6.30nm           4.6mb
AVF    45.61  46 eP      43 47.60  -0.4
        0.9s   13.10nm           4.9mb
SSF    45.78  46 eP      43 48.80  -0.6
        0.9s   12.60nm           4.9mb
SMF    45.90  46 eP      43 50.00  -0.3
        1.2s   13.10nm           4.8mb
LOR    46.07  45 eP      43 51.00  -0.7
        1.4s   11.75nm           4.7mb
     Z  23s     0.30um           4.2MszX
LBF    46.08  46 eP      43 51.10  -0.7
        1.1s    8.30nm           4.6mb
BNI    47.49  49 P       44 06.90   3.8X
LPL    47.61  48 eP      44 04.60   0.4
        1.2s   13.40nm           4.9mb
LPG    47.62  48 eP      44 04.80   0.5
        1.2s   12.50nm           4.9mb
HAU    47.88  45 eP      44 04.90  -1.1
        1.0s    9.60nm           4.8mb
     Z  21s     0.28um           4.2Msz
BSF    48.13  45 eP      44 06.80  -1.3
        1.0s    7.20nm           4.7mb
WLF    48.17  43 P       44 10.00   1.9
CDF    48.58  45 eP      44 10.40  -1.1
        1.2s   10.10nm           4.8mb
VAI    49.08  48 P       44 16.30   1.1
FCC    50.21 329 eP      44 25.00   1.4
CTI    51.10  48 P       44 30.60  -0.2
GRF    51.38  44 eP      44 34.60   1.8
        1.3s   12.00nm           4.7mb
     Z  20s     0.30um           4.3Msz
MOX    51.81  43 eP      44 37.40   1.4
FVI    51.94  48 P       44 38.40   1.4
SDI    52.29  54 P       44 41.90   2.1
KBA    52.38  47 eP      44 39.00  -1.6
        1.1s   11.70nm           4.7mb
                 i       44 40.80
                 i       44 45.10
CLL    52.80  42 eP      44 43.00  -0.4
        1.5s   14.00nm           4.7mb
KHC    52.81  45 eP      44 43.00  -0.6
        1.1s    4.60nm           4.3mb
                 e       44 49.40
GEC2   52.85  45 P       44 42.20  -1.8
        1.1s    5.64nm           4.4mb
BRG    53.31  43 eP      44 47.40   0.2
NB2    54.31  30 P       44 54.00  -0.4
        1.0s    4.60nm           4.5mb
ZST    55.03  46 eP      45 00.50   0.7
HFS    55.21  31 eP      45 00.20  -0.8
```

0.8s 7.30nm 4.8mb
SRO 55.81 47 eP 45 04.40 -1.1
PV10 56.46 302 eP 45 10.00 -0.7
OJC 56.94 44 eP 45 15.90 2.3
SRU 57.57 303 iPd 45 17.28 -1.2
MLR 61.06 49 eP 45 43.00 0.6
PNT 63.41 315 eP 45 59.00 1.1
BCAO 63.81 96 iPd 46 02.70 1.6
0.2s 16.00nm 5.9mb X
MBC 64.60 345 eP 46 06.00 0.8
OBN 67.05 38 eP 46 20.30 -0.9
S.D. = 1.0 on 48 of 49 obs.

JUN 23, 1992 23h 49m 54.34± 0.57s
39.743 N ± 6.1km 19.370 E ± 4.4km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
MD 3.1 (ATH). ML 2.8 (TIR).

KEK 0.33 95 ePg 50 01.00 -0.2
SRN 0.50 74 iPgc 50 09.40 4.8X
iSg 50 11.10
VLO 0.73 8 ePg 50 09.50 0.8
TPE 0.74 42 ePg 50 10.00 1.2
LSK 1.03 66 ePg 50 13.50 -0.3
iSg 50 26.50
LCI 1.24 299 P 50 15.00 -2.3
eSg 50 28.50
TIR 1.65 13 ePn 50 24.00 0.6
eSn 50 46.50
OHR 1.75 38 iPn 50 25.20 0.3
VLS 1.83 148 ePb 50 26.20 0.1
KZN 1.93 72 ePg 50 31.00 3.4X
BRT 2.01 305 P 50 29.40 0.8
eSn 50 50.70
PHP 2.11 22 ePn 50 30.70 0.7
ORI 2.27 279 P 50 33.00 0.5
PUK 2.33 10 ePn 50 32.00 -1.3
SKO 2.72 35 ePn 50 38.00 -0.9
i 50 46.10
i 51 18.60
Lg 51 25.00
VAY 2.90 56 ePn 50 40.60 -0.8
MGR 2.96 279 P 50 43.00 0.8
SOI 3.08 238 P 50 44.00 0.2
S.D. = 1.0 on 16 of 18 obs.

& JUN 23, 1992 23h 59m 38.00s
34.763 N 121.042 W
DEPTH = 6.0km (geophysicist)
OFF COAST OF CALIFORNIA (38)
<PAS-P>. MD 2.9 (PAS).

ABL 1.50 86 P 00 06.10 0.4
ISA 2.29 66 eP 00 16.09 -0.8
ARN 2.61 351 (P) 00 20.60 -0.9
3 obs. associated

% JUN 24, 1992 00h 10m 59.65± 1.66s
18.076 N ±16.3km 66.952 W ±11.5km
DEPTH = 25.2 ± 12.0 km
PUERTO RICO REGION (90)

MGP 0.15 243 P 11 04.70 0.0
LRS 0.24 25 P 11 05.90 0.0
PORP 0.30 94 P 11 06.60 -0.1
CLLP 0.36 89 P 11 07.60 0.1
CPD 0.99 92 P 11 18.00 0.2
LPR 1.05 77 P 11 18.70 -0.2
S.D. = 0.2 on 6 of 6 obs.

• JUN 24, 1992 00h 41m 05.19± 0.62s
23.610 S ±16.6km 175.467 W ±12.8km
DEPTH = 42.5km (6 depth phases)
5.5mb (13 obs.) 4.7Msz (3 obs.)
TONGA ISLANDS REGION (174)

VUN 7.95 313 ePd 43 01.50 0.3
MBU 8.56 319 eP 43 03.50 -6.1X
RAR 14.71 84 P 44 20.00 -12.2X
S 46 48.00
DZM 16.75 272 iPc 45 01.10 2.7X
RMQ 32.48 257 iPd 47 33.50 -0.5
0.8s 23.00nm 5.1mb
i 47 45.50 46km
PMG 38.38 285 eP 48 22.00 -2.3
ASPA 46.18 259 iPd 49 27.20 -0.7
1.2s 13.90nm 4.8mb
ipP 49 39.80 46km
WRA 46.57 264 P 49 29.50 -1.5
0.6s 6.20nm 4.7mb
CGP 66.56 291 eP 51 51.00 -2.5
MAW 79.44 199 iPd 53 09.60 1.4
1.0s 13.00nm 4.8mb
NJ2 83.66 309 Pc 53 31.00 0.2
MDJ 84.40 324 iPd 53 35.00 0.7
1.1s 45.00nm 5.5mb
DL2 85.59 316 eP 53 41.00 0.7
1.0s 41.00nm 5.6mb
SNY 86.09 319 Pd 53 42.80 0.1
CN2 86.18 321 Pc 53 43.00 -0.2
1.2s 52.00nm 5.6mb
Z 22s 0.37um 4.7Msz
TIA 87.09 312 eP 53 48.40 0.6
1.4s 65.00nm 5.7mb
PNT 87.95 33 eP 53 51.00 -0.6
BJI 89.74 314 eP 54 00.00 -0.3
1.8s 96.00nm 5.8mb
GYA 90.21 299 P 54 03.80 0.8
pP 54 16.60 42km
TIY 91.09 311 Pc 54 07.50 0.8
Z 20s 0.38um 4.8Msz
pP 54 20.30 42km
XAN 91.87 306 eP 54 11.20 0.9
1.0s 25.00nm 5.6mb
KMI 92.83 296 Pd 54 17.00 1.8
1.0s 70.00nm 6.0mb
pP 54 29.50 41km
SES 93.01 35 eP 54 14.00 -1.2
MEO 93.14 53 iPd 54 15.30 -0.8
CHG 93.49 289 ePc 54 20.10 2.1
1.2s 39.06nm 5.7mb
BTO 94.11 313 eP 54 21.00 0.4
LZH 96.51 306 eP 54 33.00 1.3
1.2s 29.00nm 5.7mb
pP 54 45.00 39km
MAIO 131.31 298 ePKP 00 16.00 1.2
NB2 142.31 355 PKP 00 26.60 -7.8X
1.0s 1.70nm
OJC 150.89 340 ePKPc 00 54.20 5.6X
HRI 151.01 296 iPKPd 00 59.00 9.6X
KSP 151.32 344 iPKP 00 54.90 5.7X
1.0s 25.00nm
MML 151.44 295 iPKPd 01 00.00 10.0X
VRI 151.44 326 ePKPd 00 55.00 5.4X
CLL 151.58 349 iPKP 00 55.40 5.8X
1.2s 29.00nm
e 01 08.00
WTS 151.61 357 ePKP 00 55.00 5.5X
1.0s 13.00nm
BRG 151.82 347 iPKP 00 56.40 6.5X
1.0s 20.00nm
i 01 09.00
MLR 152.10 327 ePKP 00 57.00 6.3X
MBH 152.25 289 iPKPd 01 01.50 10.2X
MOX 152.45 350 iPKP 00 57.40 6.5X
1.4s 12.00nm
PRU 152.53 346 ePKP 00 57.80 6.8X
e 01 10.70
ENN 152.87 358 ePKP 00 58.00 6.6X
1.0s 7.00nm
GRF 153.44 350 ePKP 00 58.90 6.6X
Z 20s 0.10um 4.6Msz
e 01 11.80
e 01 27.10
SRO 153.47 339 e(PKP)00 59.20 6.9X
e 01 10.70
ZST 153.51 341 ePKP 00 51.90 -0.5
e 01 13.10
e 01 25.70
KHC 153.55 347 ePKP 00 52.00 -0.5
1.1s 6.30nm
e 01 00.00
e 01 13.00
GEC2 153.79 346 PKP 00 59.00 6.1X
KBA 155.54 345 ePKP 00 53.00 -2.5
BCAO 156.63 217 ePKPd 00 58.20 0.5
0.7s 9.00nm
ic 01 28.00
SKO 156.90 326 ePKP 01 08.50 11.3X
i 01 28.70
ABA 166.79 5 iPKP 01 16.50 9.3X
S.D. = 1.2 on 29 of 51 obs.

? JUN 24, 1992 01h 07m 15.80± 5.02s
21.706 S ±43.4km 178.761 W ±32.0km
DEPTH = 572.4 ± 55.9 km
4.7mb (7 obs.)
FIJI ISLANDS REGION (181)

DZM 13.74 266 iPc 10 12.00 -0.1
ARMA 27.91 246 iPd 12 22.60 -0.1
0.7s 11.00nm 4.6mb
RMQ 29.99 254 iPd 12 41.60 1.2
0.2s 9.00nm 5.1mb
CAN 31.26 237 eP 12 49.80 -1.4
BWA 31.47 239 eP 12 49.40 -3.5X
CTA 32.68 266 iPd 13 07.40 4.2X
0.4s 303.39nm 6.3mb X
CMS 33.00 245 iPc 13 06.00 0.2
0.9s 19.00nm 4.7mb
STK 36.64 245 iPd 13 36.50 0.6
0.5s 8.40nm 4.6mb
ASPA 43.56 258 iPd 14 33.40 1.8
0.6s 27.80nm 5.0mb
WB2 43.73 263 iPd 14 29.90 -3.0X
0.8s 26.50nm 4.8mb
WRA 43.74 263 P 14 30.50 -2.5
0.7s 10.10nm 4.5mb
NNA 96.43 106 eP 19 45.70 0.1
LPB 102.17 113 ePdiff19 55.00 -16.8X
ZOBO 102.25 113 Pdiff 19 48.10 -24.4X
Z 20s 0.18um 4.6Msz
i 20 57.20
LR 27 20.00
BGR 115.01 50 PKP 25 10.30 16.7X
NB2 140.08 352 PKP 25 40.80 0.1
0.6s 0.40nm
HFS 140.61 350 ePKP 25 41.50 -0.1
0.4s 1.00nm
EKA 146.26 5 PKP 26 00.00 8.7X
0.7s 4.40nm
DMU 147.27 9 ePKP 26 03.10 10.1X
DCN 147.75 10 ePKP 26 04.30 10.6X
DLF 147.91 9 ePKP 26 07.30 13.3X
KSP 148.62 342 iPKP 26 07.60 12.4X
CLL 149.06 346 iPKPd 26 08.30 12.5X
0.9s 13.00nm
BRG 149.23 344 iPKP 26 09.00 12.9X
PRU 149.88 343 ePKP 26 10.50 13.4X
KHC 150.92 343 ePKP 26 12.60 13.8X
GRF 150.97 347 ePKP 26 12.00 13.2X
GEC2 151.15 343 PKP 26 12.40 13.2X
0.6s 1.02nm
S.D. = 1.4 on 11 of 28 obs.

& JUN 24, 1992 01h 24m 37.45s
59.037 N 149.837 W
DEPTH = 45.9km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 3.6 (AEIC), 3.4
(PMR).

BRLK 0.91 324 ePd 24 53.26 -0.7
XLV 1.06 294 iPc 24 54.72 -1.3
eS 25 07.11
SEW 1.09 10 eP 24 55.95 -0.5
eS 25 08.67
HOM 1.12 305 ePc 24 56.52 -0.4
NNL 1.25 324 ePd 24 58.79 0.0
SYI 1.40 253 ePc 24 59.36 -1.5
eS 25 16.31
SLKM 1.49 353 iPd 25 01.59 -0.6
MID 1.84 76 P 25 06.50 -0.6
AUE 1.85 282 eP 25 06.35 -0.9
AUI 1.87 281 eP 25 06.60 -1.0
eS 25 28.55
AUP 1.87 282 eP 25 06.76 -0.9
PTE 1.88 12 iPd 25 07.56 -0.1
AUL 1.88 282 eP 25 07.01 -0.7
AUH 1.88 282 eP 25 06.97 -0.9
KDC 1.90 228 eP 25 05.80 -2.2
INE 1.94 303 eP 25 06.95 -1.7
eS 25 30.18
INW 1.97 303 eP 25 07.62 -1.5
eS 25 30.67
CDD 1.97 269 ePc 25 07.44 -1.6
RED 2.03 314 ePc 25 08.65 -1.3
eS 25 32.61
REF 2.06 316 eP 25 08.59 -1.8
eS 25 33.48

RS1 2.06 315 iPc 25 09.17 -1.2
RSO 2.06 315 iPc 25 09.20 -1.2
RS2 2.06 315 iPc 25 09.21 -1.2
DFR 2.12 319 P 25 08.50 -2.7
HIN 2.17 50 ePc 25 11.16 -0.7
eS 25 37.23
PMS 2.22 3 P 25 12.10 -0.5
MCNL 2.33 276 eP 25 12.01 -2.0
PDB 2.35 291 ePc 25 12.59 -1.8
BKG 2.38 330 eP 25 13.66 -1.1
SPU 2.42 334 iPd 25 14.31 -1.1
eS 25 42.90
SUA 2.48 350 iPd 25 15.26 -1.1
KNK 2.48 16 iPd 25 15.72 -0.6
eS 25 43.78
CKN 2.49 333 eP 25 15.30 -1.1
CKL 2.50 331 ePd 25 15.56 -1.1
CRP 2.52 334 ePd 25 15.40 -1.6
CGLM 2.52 335 eP 25 15.73 -1.2
CPKM 2.53 333 eP 25 15.92 -1.3
CVA 2.56 52 eP 25 16.30 -1.1
eS 25 45.24
BGL 2.57 331 eP 25 16.78 -0.9
PMR 2.59 8 ePd 25 16.69 -1.1
PWA 2.62 360 P 25 17.60 -0.7
NCG 2.64 335 ePd 25 17.80 -0.9
VLZ 2.74 38 iPd 25 19.64 -0.3
eS 25 50.51
GHO 2.78 9 ePd 25 20.00 -0.7
eS 25 52.26
BGM 2.80 280 eP 25 18.77 -2.0
SML 2.88 14 ePd 25 21.64 -0.4
KAIM 2.91 70 eP 25 21.18 -1.2
eS 25 54.38
SCM 3.07 23 ePd 25 24.53 -0.2
eS 25 58.82
SKT 3.07 345 iPd 25 23.59 -1.1
KLU 3.14 37 eP 25 25.23 -0.5
CUT 3.39 357 eP 25 28.31 -0.8
SVW 3.57 308 iPc 25 28.73 -2.9
TOA 3.57 29 P 25 32.20 0.5
TZL 3.72 34 eP 25 34.58 0.7
GLB 3.85 49 eP 25 34.77 -1.0
CYK 3.89 71 eP 25 35.64 -0.5
TGL 3.93 61 eP 25 35.66 -1.3
HUR 3.96 1 eP 25 36.96 -0.3
SDG 4.09 29 eP 25 39.14 0.1
WRG 4.10 72 eP 25 38.15 -1.1
BALM 4.26 59 eP 25 39.65 -1.9
YAH 4.31 69 eP 25 41.45 -1.0
RND 4.41 6 eP 25 43.37 -0.3
TRF 4.44 357 eP 25 42.85 -1.3
PAX 4.48 26 eP 25 44.22 -0.5
KTH 4.56 354 eP 25 44.71 -1.1
CTGM 4.69 62 eP 25 46.35 -1.2
MCK 4.73 5 eP 25 47.57 -0.6
TTA 4.93 325 eP 25 48.05 -2.9
PCA 4.99 74 eP 25 50.07 -1.7
BWN 5.16 2 P 25 54.40 0.3
YKU 5.21 80 P 25 54.20 -0.5
PNL 5.38 79 eP 25 55.24 -2.0
DJE 5.39 20 P 25 58.50 1.1
DOT 5.40 29 P 25 58.90 1.4
WRH 5.52 8 eP 25 57.46 -1.7
HDA 5.56 13 eP 25 58.08 -1.7
NEA 5.57 3 eP 25 57.58 -2.4
HON 5.64 81 eP 25 58.51 -2.4
CCB 5.71 9 eP 25 59.98 -1.9
FBA 5.96 8 eP 26 02.95 -2.5
MLY 6.03 356 eP 26 03.92 -2.5
GLM 6.08 10 eP 26 04.97 -2.2
SDN 6.87 242 P 26 14.30 -3.8
IMA 7.28 348 eP 26 20.63 -3.3
YKA 17.41 64 eP 28 39.20 1.0
0.8s 1.30nm 3.1mb
86 obs. associated
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* JUN 24, 1992 01h 43m 43.48± 0.69s
35.420 N ±10.7km 74.916 E ± 9.5km
DEPTH = 33.0km (normal)
4.4mb (5 obs.)
NORTHWESTERN KASHMIR (720)
ML 4.1 (BJI).

KSH 4.12 12 Pg 44 54.00 8.2X
NDI 6.99 163 iPc 45 33.00 6.8X
0.4s 38.14nm 5.7mb X
eS 46 50.00
OUE 8.49 234 eP 45 48.40 1.1
eS 47 23.70
GKN 11.09 129 Pc 46 23.40 0.4
KKN 11.65 128 Pc 46 29.80 -0.9
DMN 11.67 129 Pc 46 30.80 -0.1
PKI 11.89 128 Pc 46 33.00 -0.9
GUN 11.96 126 Pc 46 33.80 -1.2
WMO 12.93 46 eP 46 49.00 1.4
HYB 18.22 169 eP 48 06.50 10.9X
GTA 20.15 71 eP 48 18.50 0.7
1.0s 9.00nm 4.1mb
CHG 26.93 122 eP 49 28.80 5.1X
MLR 38.07 301 eP 51 02.00 1.2
HFS 45.87 322 eP 52 02.00 -2.1
0.4s 1.30nm 4.2mb
NB2 47.14 323 P 52 12.40 -1.8
0.7s 2.90nm 4.4mb
MBC 68.24 4 eP 54 42.00 -0.4
1.0s 7.00nm 4.7mb
WB2 78.75 124 iPc 55 47.00 2.5
0.8s 4.20nm 4.5mb
S.D. = 1.5 on 13 of 17 obs.

? JUN 24, 1992 01h 51m 41.13± 2.05s
6.490 S ±19.5km 147.763 E ±21.4km
DEPTH = 71.3 ± 12.7 km
4.5mb (3 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.16 143 iPc 51 52.80 -0.2
LAT 0.78 258 iPc 51 56.90 -0.3
YYYY 1.80 278 eP 52 12.50 1.7
eS 52 37.00
MDG 2.33 302 iPd 52 17.10 -0.8
PMG 2.96 192 iPd 52 26.90 0.1
MNDI 4.09 274 eP 52 45.00 2.1X
WB2 18.67 223 iP 55 54.50 -1.7
0.2s 4.00nm 4.3mb
OLP 20.26 189 iPc 56 14.40 1.1
0.4s 43.00nm 5.1mb
ASPA 21.66 217 iPc 56 27.70 0.1
0.5s 9.40nm 4.4mb
S.D. = 1.4 on 8 of 9 obs.

JUN 24, 1992 02h 32m 56.30± 0.54s
50.016 N ± 5.0km 12.217 E ± 6.1km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.7 (FUR), 2.7 (VIE), 2.4
(GRF), 2.4 (MOX).

HOF 0.37 324 iPgd 33 03.80 -0.1
iSg 33 08.90
GRF 0.72 244 iPgc 33 10.10 -0.4
iSg 33 19.10
MOX 0.74 329 iPg 33 10.30 -0.5
iSg 33 20.20
WET 0.97 153 iPgd 33 14.00 -0.8
iSg 33 26.00
KHC 1.25 134 Pg 33 19.00 -0.6
Sg 33 34.50
CLL 1.39 21 (Pn) 33 21.70 0.0
(Pg) 33 25.60
iSg 33 40.30
BRG 1.40 51 iPg 33 22.40 0.6
i 33 25.80
iSg 33 40.40
PRU 1.50 90 Pnd 33 23.70 0.5
0.3s 26.80nm
Pg 33 25.50
e 33 27.50
Sg 33 43.30
FUR 1.95 199 iPgd 33 31.80 2.0
BHG 2.34 169 eP 33 40.70 5.3X
WTTA 2.78 188 iPnc 33 48.50 6.6X
iSn 34 26.80
KBA 3.03 165 iPnc 33 44.80 -0.6
iPg 33 53.50
iSg 34 32.30
ZST 3.69 118 eP 34 51.70 57.1X
S.D. = 0.9 on 10 of 13 obs.

JUN 24, 1992 02h 49m 28.62± 0.87s
35.211 N ± 5.9km 74.698 E ± 6.0km
DEPTH = 56.2 ± 10.9 km
4.4mb (10 obs.)
NORTHWESTERN KASHMIR (720)

KSH 4.36 13 P 50 34.50 0.5
S 51 20.00
OUE 8.23 235 eP 51 28.00 -0.1
eS 53 09.70
GKN 11.10 128 P 52 08.20 0.8
KKN 11.67 126 P 52 15.00 0.0
DMN 11.68 128 P 52 15.50 0.3
PKI 11.90 127 P 52 17.80 -0.4
GUN 11.99 124 P 52 18.80 -0.6
WMO 13.20 45 P 52 34.40 -0.8
HYB 18.05 168 eP 53 44.50 7.4X
GTA 20.39 71 eP 54 03.00 -0.3
1.5s 14.00nm 4.1mb
LZH 23.67 79 eP 54 36.50 0.6
1.0s 18.00nm 4.5mb
CD2 24.69 92 P 54 50.40 4.7X
CHG 26.97 121 eP 55 12.30 5.4X
1.1s 13.61nm 4.5mb
HFS 45.92 322 eP 57 47.00 -0.1
0.9s 6.80nm 4.6mb
Z 16s 0.10um 3.9MszX
LR 16 43.00
NB2 47.21 324 P 57 57.00 -0.3
0.7s 3.30nm 4.4mb
BCAO 60.09 253 ePd 59 37.20 4.7X
0.9s 9.00nm 4.9mb
MBC 68.46 4 ePc 00 26.40 0.2
1.0s 6.00nm 4.5mb
WRA 78.77 124 P 01 32.20 5.2X
0.5s 1.10nm 4.1mb
WB2 78.78 124 iPd 01 31.90 4.9X
0.4s 4.70nm 4.8mb
YKA 82.35 4 eP 01 45.50 0.3
0.9s 1.60nm 4.0mb
S.D. = 0.5 on 14 of 20 obs.
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* JUN 24, 1992 03h 03m 08.05± 1.84s
40.117 N ±17.0km 20.739 E ±14.4km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 2.6 (TIR).

LSK 0.11 287 iPgd 03 10.50 -0.5
iSg 03 11.70
TPE 0.58 288 ePg 03 32.00 12.1X
SRN 0.61 248 ePg 03 20.50 0.1
DHR 0.99 3 iPg 03 25.70 -1.2
iSg 03 40.20
TIR 1.40 332 ePg 03 37.50 4.0X
PHP 1.59 352 ePg 03 37.90 1.7
VAY 1.84 49 ePn 03 39.80 -0.1
SKO 1.93 16 ePn 03 43.50 2.3X
S.D. = 1.5 on 5 of 8 obs.

? JUN 24, 1992 03h 17m 54.66± 2.41s
23.329 S ±20.4km 178.773 E ±18.9km
DEPTH = 629.9 ± 23.4 km
4.7mb (7 obs.)
SOUTH OF FIJI ISLANDS (171)

DZM 11.45 274 iPc 20 29.00 0.8
HBZ 14.23 182 eP 20 53.70 -1.0
WLZ 14.75 190 eP 21 01.60 1.9
NOZ 15.25 182 eP 21 03.90 -0.6
MNG 17.46 188 P 21 23.50 -1.9
ORZ 18.22 195 eP 21 33.50 1.1
THZ 19.03 194 eP 21 39.70 -0.2
KHZ 19.53 192 eP 21 43.20 -1.1
LTZ 20.14 194 eP 21 48.80 -1.2
MSZ 23.07 200 eP 22 17.50 1.3
ARMA 25.18 248 iPd 22 36.80 1.7
0.5s 13.00nm 4.8mb
e 23 57.00
CMS 30.27 247 iPc 23 19.90 1.2
0.9s 17.00nm 4.7mb
CTA 30.35 270 iPc 23 19.10 -0.4
0.5s 375.35nm 6.3mb X
STK 33.90 247 iPd 23 50.40 1.2
0.5s 6.90nm 4.5mb
QIS 36.36 267 eP 24 08.00 -1.5
ASPA 41.02 260 iPd 24 46.70 -0.3
0.7s 41.10nm 5.0mb
iS 30 19.20
WB2 41.31 266 iPc 24 48.10 -1.2
0.3s 27.00nm 5.2mb

24d 03h

WRA 41.32 266 P 24 49.00 -0.4
0.6s 10.50nm 4.5mb
BAL 55.20 248 eP 26 31.50 -0.8
MUN 55.43 246 eP 26 33.50 -0.3
MRWA 56.03 250 eP 26 37.40 -0.6
SPA 66.81 180 iPd 27 48.60 1.4
0.7s 12.89nm 4.5mb
NB2 141.34 350 PKP 36 07.70 -8.5X
0.6s 0.50nm
HFS 141.76 348 ePKP 36 08.60 -8.3X
0.4s 1.30nm
HMDT 146.43 294 iPKPd 36 25.40 -0.2
JVI 146.61 293 iPKPd 36 25.80 -0.2
PRNI 147.03 290 iPKPd 36 27.10 0.4
EKA 148.00 2 PKP 36 28.00 0.6
1.0s 5.60nm
OJC 148.53 334 ePKP 36 30.50 2.1X
KSP 149.35 338 iPKPd 36 32.80 3.2X
CLL 149.97 342 iPKPd 36 34.10 3.6X
0.8s 25.00nm
BRG 150.08 341 iPKPd 36 34.30 3.6X
0.8s 16.00nm
PRU 150.66 339 ePKP 36 35.70 4.1X
WTS 150.72 350 ePKP 36 35.50 3.9X
0.9s 21.00nm
MOX 150.95 343 ePKP 36 36.10 4.1X
1.2s 10.00nm
KHC 151.72 339 ePKP 36 37.50 4.3X
GEC2 151.93 339 PKP 36 37.30 3.7X
0.6s 1.97nm
GRF 151.93 343 ePKP 36 38.80 5.4X
S.D. = 1.1 on 26 of 38 obs.

JUN 24, 1992 03h 39m 05.45± 0.77s
50.021 N ± 7.7km 12.138 E ± 7.0km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 1.5 (MOX), 1.4 (GRF).

HOF 0.34 330 iPgd 39 12.50 0.1
iSg 39 17.60
GRF 0.68 241 ePg 39 19.30 0.4
eSg 39 28.60
MOX 0.71 332 iPg 39 19.00 -0.5
iSg 39 29.00
KHC 1.29 133 Pg 39 28.50 -0.9
Sg 39 43.00
BRG 1.44 53 ePg 39 31.30 -0.2
iSg 39 50.00
PRU 1.55 90 ePg 39 34.30 1.2
eSg 39 52.20
eSg 46 18.00
S.D. = 0.9 on 6 of 6 obs.

% JUN 24, 1992 03h 49m 16.82± 1.72s
38.899 S ±13.3km 175.140 E ± 9.6km
DEPTH = 220.4 ± 16.4 km
NORTH ISLAND, NEW ZEALAND (159)

BSZ 0.91 190 Pc 49 48.30 -0.1
MNG 1.74 171 Pc 49 54.80 0.1
S 50 18.60
PGZ 1.93 153 P 49 56.50 0.0
KIW 1.97 185 P 49 56.80 -0.1
DIW 2.12 206 P 49 58.40 0.0
CAW 2.21 181 P 49 59.40 0.1
MTW 2.27 173 P 49 59.70 -0.3
NOZ 2.28 84 P 50 00.10 0.1
MRW 2.35 188 P 50 00.80 0.0
WEL 2.40 187 P 50 01.50 0.2
TCW 2.40 196 eP 50 01.40 0.1
AMW 2.45 169 eP 50 01.90 0.1
BLW 2.48 174 P 50 02.00 -0.2
MOW 2.52 178 P 50 02.40 -0.2
ORZ 2.78 225 P 50 05.30 -0.2
eS 50 40.20
KHZ 3.72 199 eP 50 17.20 0.8
S 50 59.40
LTZ 4.45 208 P 50 25.80 0.4
MQZ 5.16 201 P 50 33.40 -0.8
S.D. = 0.4 on 18 of 18 obs.

% JUN 24, 1992 03h 55m 26.87± 0.87s
37.546 N ± 9.2km 115.360 E ±11.0km
DEPTH = 33.0km (normal)
NORTHEASTERN CHINA (658)
ML 3.5 (BJI).

TIA 1.94 133 ePn 55 58.50 0.3
ePg 56 04.90
Sg 56 36.00
TIY 2.33 275 Pgc 55 49.00 -14.7X
Sg 56 09.20
BJI 2.57 14 Pn 56 06.50 -0.6
Pg 56 13.00
Sg 56 52.00
HHC 4.42 319 Pg 56 34.60 1.1
Sg 57 27.20
BTO 5.15 308 ePg 56 43.40 -0.5
KMI 16.40 225 eP 59 16.00 -0.3
0.8s 30.00nm 4.5mb
pP 59 22.50
S.D. = 1.0 on 5 of 6 obs.

JUN 24, 1992 04h 02m 23.83± 0.55s
49.994 N ± 5.1km 12.180 E ± 5.5km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.2 (MOX), 2.2 (FUR).

HOF 0.37 329 iPgd 02 31.50 0.0
iSg 02 36.50
GRF 0.69 244 iPgc 02 37.90 0.4
iSg 02 46.90
MOX 0.75 331 iPg 02 38.10 -0.4
iSg 02 48.00
WET 0.96 152 iPgd 02 41.80 -0.4
iSg 02 53.80
KHC 1.26 133 Pg 02 47.00 -0.2
Sg 03 02.50
CLL 1.42 21 (Pn) 02 49.40 -0.2
(Pg) 02 52.60
iSg 03 07.80
BRG 1.43 51 iPg 02 50.20 0.4
i 02 54.00
iSg 03 08.40
PRU 1.52 89 Pn 02 51.50 0.4
0.3s 20.50nm
Pg 02 53.30
e 02 55.20
Sg 03 11.10
BHG 2.32 168 iPd 03 09.60 6.9X
ZST 3.70 117 eP 04 19.10 56.8X
S.D. = 0.4 on 8 of 10 obs.

? JUN 24, 1992 04h 39m 37.66± 1.29s
41.679 N ±14.6km 13.804 E ± 6.9km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

SDI 0.03 18 Pc 39 39.90 0.2
eSg 39 43.60
AZI 0.41 318 P 39 46.00 -0.1
eSg 39 54.60
DUI 0.49 92 P 39 47.50 -0.1
eSg 39 55.10
RDP 0.82 276 P 39 53.60 0.1
eSg 40 05.70
S.D. = 0.3 on 4 of 4 obs.

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* JUN 24, 1992 05h 48m 46.47± 1.06s
39.441 N ± 8.4km 20.503 E ±10.7km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
MD 3.1 (ATH). ML 2.7 (TIR).

SRN 0.59 319 iPgd 48 57.50 -0.8
iSg 49 08.00
KEK 0.61 297 ePb 48 58.00 -0.7
LSK 0.71 6 iPgd 48 58.50 -2.0
iSg 59 09.00
TPE 0.93 336 iPgc 49 13.00 8.7X
VLS 1.26 177 ePb 49 10.00 0.0
KZN 1.30 48 ePb 49 10.00 -0.6
OHR 1.68 8 ePn 49 17.00 0.9
TIR 1.96 346 ePn 49 21.70 1.6
VAY 2.45 39 ePn 49 30.00 2.9X
PUK 2.64 350 ePn 49 31.50 1.7
S.D. = 1.5 on 8 of 10 obs.

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* JUN 24, 1992 07h 04m 29.01± 1.19s
14.925 N ± 9.8km 119.659 E ±12.9km
DEPTH = 62.0 ± 13.5 km
4.5mb (5 obs.)
LUZON, PHILIPPINE ISLANDS (249)

QVP 1.34 103 iPc 04 51.00 -0.8
eS 05 06.00
TGY 1.48 123 eP 04 53.50 -0.3
eS 05 14.50
BCP 1.74 32 eP 04 56.00 -1.4
eS 05 20.00
PGP 1.89 138 eP 05 01.00 1.5
eS 05 15.00
PIP 3.50 15 ePc 05 23.50 1.3
PLP 6.39 125 ePc 06 07.00 4.3X
QIZ 10.24 295 eP 06 55.40 -0.4
E 13s 0.68um
eS 08 45.20
TIA 21.32 354 eP 09 21.50 8.9X
XAN 21.36 335 eP 09 17.00 3.8X
CD2 21.58 320 eP 09 23.40 8.0X
Z 15s 0.88um 4.3MszX
eS 13 14.00
BJI 25.21 354 eP 09 51.00 0.6
LZH 25.38 329 eP 10 00.00 7.7X
1.2s 28.00nm 4.6mb
Z 15s 0.58um 4.2MszX
ASPA 40.80 160 iPc 12 05.30 -0.8
0.8s 10.10nm 4.7mb
HFS 84.92 331 eP 16 56.70 -1.6
0.4s 1.30nm 4.4mb
NB2 85.72 332 P 17 03.10 0.8
0.7s 2.10nm 4.4mb
YKA 92.03 22 eP 17 33.20 1.0
0.7s 1.20nm 4.4mb
S.D. = 1.3 on 11 of 16 obs.

JUN 24, 1992 07h 06m 23.13± 0.40s
44.720 N ± 2.6km 6.871 E ± 4.8km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.2 (LDG), 2.1 (GEN).

RRL 0.21 343 P 06 27.70 -0.1
S 06 31.48
PZZ 0.27 143 P 06 28.80 -0.1
S 06 33.12
RSP 0.51 32 P 06 33.12 -0.4
S 06 40.40
STV 0.58 146 P 06 35.17 0.3
S 06 42.15
ENR 0.63 141 P 06 35.69 -0.2
S 06 43.89
LSD 0.76 15 P 06 38.04 -0.2
S 06 48.50
LPG 0.78 354 Pg 06 38.80 0.2
Sg 06 48.90
LPL 0.80 353 Pg 06 39.10 0.2
Sg 06 49.50
ROB 0.83 120 P 06 38.76 -0.5
SBF 0.95 155 Pg 06 40.20 -1.0
Sg 06 55.20
FIN 1.08 118 P 06 43.48 -0.1
IMI 1.09 138 P 06 44.61 0.9
FRF 1.17 188 Pg 06 44.80 -0.2
Sg 06 59.10
PCP 1.21 98 P 06 46.35 0.7
LRG 1.32 196 Pg 06 47.90 0.4
Sg 07 05.00
LMR 1.41 191 Pg 06 48.70 -0.1
Sg 07 06.20
S.D. = 0.5 on 16 of 16 obs.

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* JUN 24, 1992 07h 19m 53.15± 1.14s
14.756 N ±10.8km 119.370 E ±17.3km
DEPTH = 31.0 ± 10.1 km
4.5mb (4 obs.) 4.0Msz (1 obs.)
LUZON, PHILIPPINE ISLANDS (249)

QVP 1.59 95 eP 20 18.00 -1.4
TGY 1.65 113 eP 20 20.50 0.2
PGP 1.98 129 eP 20 27.00 1.9
eS 20 52.00
BCP 2.04 36 eP 20 25.00 -1.0
eS 20 46.00
PIP 3.75 18 ePc 20 50.50 0.3
eS 21 18.00
PLP 6.53 122 eP 21 33.70 4.1X
QIZ 10.06 296 eP 22 17.40 -1.3
E 14s 0.78um
eS 24 07.80
XAN 21.40 336 eP 24 42.20 1.6

TIY 23.68 346 eP 25 04.00 1.0
Z 18s 0.49um 4.0Msz
N 10s 0.25um
BJI 25.34 354 eP 25 19.00 0.1
LZH 25.38 330 eP 25 20.50 1.0
1.0s 23.00nm 4.7mb
Z 15s 0.48um 4.1MszX
ASPA 40.74 159 eP 27 32.40 -0.7
0.7s 7.40nm 4.5mb
HFS 84.93 331 eP 32 25.30 -1.0
0.5s 1.40nm 4.4mb
NB2 85.73 332 P 32 29.60 -0.7
0.6s 2.00nm 4.5mb
S.D. = 1.3 on 13 of 14 obs.

& JUN 24, 1992 07h 25m 28.53s
40.342 N 124.500 W
DEPTH = 24.7km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.8 (GM). ML 3.5 (GS), 3.5 (BRK). Felt at Honeydew.

FHC 0.60 40 iPc 25 39.68 -0.8
LTCM 1.82 93 eP 25 57.23 -1.5
LBFM 2.22 62 ePnc 26 03.58 -1.1
NWRM 2.26 146 eP 26 02.19 -2.8
ORV 2.44 108 ePn 26 04.25 -3.3
eS 26 31.31
ARN 3.78 141 eP 26 24.34 -2.3
BONR 5.38 114 eP 26 47.42 -2.1
PHAM 5.54 143 eP 26 48.08 -3.5
SHW 6.08 15 (P) 26 57.54 -1.7
BMW 6.20 8 (P) 26 59.52 -1.3
SSK 8.18 136 eP 27 26.70 -2.0
PEC 8.70 135 eP 27 33.47 -2.4
DUG 8.94 87 eP 27 37.56 -1.7
PLM 9.28 136 eP 27 41.28 -2.7
MSU 9.71 97 eP 27 48.53 -1.5
15 obs. associated

% JUN 24, 1992 07h 27m 23.97± 0.68s
45.694 N ± 5.7km 2.844 E ± 6.8km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.2 (LDG).

MAF 0.56 340 Pg 27 35.00 -0.4
Sg 27 43.00
TCF 0.74 324 Pg 27 38.50 0.0
Sg 27 48.70
BGF 0.86 0 Pg 27 40.30 -0.3
Sg 27 52.00
CAF 0.95 216 Pg 27 41.20 -0.8
Sg 27 53.60
RJF 1.01 248 Pg 27 42.80 -0.3
Sg 27 56.50
LSF 1.07 302 Pg 27 44.50 0.3
Sg 27 59.00
AVF 1.15 18 Pg 27 45.10 -0.4
Sg 28 00.10
SMF 1.18 36 Pg 27 45.10 -0.8
Sg 28 00.10
SSF 1.44 18 Pg 27 50.40 0.3
Sg 28 07.80
LBF 1.51 31 Pg 27 51.50 0.4
Sg 28 11.10
LPO 1.55 230 Pg 27 52.60 1.0
Sg 28 13.10
LOR 1.72 24 Pg 27 55.20 1.0
Sg 28 17.40
S.D. = 0.7 on 12 of 12 obs.

& JUN 24, 1992 07h 31m 20.21s
38.783 N 111.554 W
DEPTH = 0.1km
4.4mb (11 obs.)
UTAH (478)
<SLC-P>. ML 4.4 (SLC). Felt at the SUFCO Mine.

MSU 0.56 241 iPc 31 31.16 -0.1
SRU 0.87 68 iPd 31 36.66 -0.9
EMUT 1.18 29 iPd 31 42.33 -1.0
DAU 1.64 8 iPd 31 51.02 0.3
DUG 1.71 326 iPd 31 51.16 -0.5
ARUT 1.79 237 ePc 31 53.36 0.7
PV10 2.01 101 iPc 31 57.29 1.2
HVU 3.14 343 ePd 32 11.09 -0.9
BW06 4.27 20 ePd 32 27.10 -1.0
TNP 4.50 263 eP 32 30.96 -0.5
GOL 4.89 77 eP 32 36.00 -1.0
KVN 5.11 275 eP 32 40.17 0.0
BONR 5.37 263 ePn 32 45.08 1.2
ALO 5.60 132 eP 32 45.96 -1.1
GLA 6.30 206 eP 32 58.05 1.2
PEC 6.65 225 (P) 33 03.76 2.0
SSK 6.73 229 (P) 33 05.82 2.9
PLM 6.91 220 eP 33 09.08 3.6
ABL 7.29 240 (P) 33 12.41 1.5
PHAM 7.64 250 (P) 33 17.31 1.8
RSSD 7.76 44 eP 33 14.64 -2.8
ACO 10.05 98 iPc 33 48.60 -0.3
DPW 10.29 334 eP 33 52.15 0.0
NEW 10.30 339 eP 33 51.50 -0.8
LON 10.96 320 (P) 34 00.16 -1.2
MEO 11.14 107 iPc 34 03.40 -0.5
RMW 11.45 323 (P) 34 09.44 1.4
BMW 11.52 316 (P) 34 09.23 0.1
SES 11.62 2 eP 34 09.00 -1.3
OCO 11.70 102 iPd 34 11.50 0.1
FNO 11.85 103 iPc 34 12.10 -1.4
PNT 12.01 334 P 34 18.00 2.4
SIO 12.52 99 eP 34 19.00 -3.5
e 36 11.30
Lg 37 52.70
TUL 12.87 98 eP 34 24.60 -2.6
0.8s 14.10nm 5.3mb
Z 18s 0.63um 4.6MszX
e 35 20.30
Lg 38 08.20
LR 38 41.00
VVO 13.09 100 eP 34 27.40 -2.8
e 34 39.40
e 35 21.90
Lg 38 14.10
UYO 14.50 103 iPd 34 51.40 2.7
CCM 15.94 86 eP 35 04.63 -2.8
1.0s 11.19nm 4.0mb
ULM 15.98 39 ePc 35 04.40 -3.4
OLY 16.34 95 eP 35 10.99 -1.6
FVM 16.59 86 eP 35 13.97 -1.8
0.8s 52.04nm 4.7mb
PWLA 19.16 94 eP 35 46.00 -1.7
TKL 22.31 89 eP 36 19.97 -0.9
FCC 22.94 24 ePc 36 27.50 0.7
YKA 23.81 356 eP 36 34.20 -1.1
0.8s 4.10nm 4.1mb
ACTO 24.10 68 P 36 38.45 0.2
TYNO 24.24 70 P 36 39.50 -0.1
JSC 24.70 91 eP 36 42.50 -1.6
LHS 24.98 90 eP 36 45.68 -1.2
EEO 24.99 61 eP 36 48.00 1.2
CVL 25.88 81 (P) 36 56.04 0.8
REF 33.55 324 eP 38 03.59 -0.2
FBA 33.58 333 eP 38 03.79 0.0
0.8s 7.59nm 4.7mb
TTA 35.91 327 eP 38 23.70 -0.2
0.8s 4.99nm 4.4mb
IMA 36.29 332 eP 38 26.79 -0.3
0.9s 3.39nm 4.1mb
MBC 37.72 357 eP 38 39.00 0.2
1.4s 13.00nm 4.5mb
EKA 68.22 36 P 42 22.00 -2.4
1.0s 5.40nm 4.7mb
NB2 70.18 26 P 42 34.00 -2.4
0.8s 2.40nm 4.4mb
SIV 72.09 129 eP 42 47.00 -1.5
GEC2 80.20 33 P 43 31.70 -2.2
0.9s 0.99nm 3.8mb
59 obs. associated

JUN 24, 1992 07h 43m 52.86± 0.56s
45.646 N ± 4.9km 2.912 E ± 5.1km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.8 (LDG).

COLF 0.56 103 Pg 44 03.34 -1.0
Sg 44 10.63
MAF 0.62 337 Pg 44 04.70 -0.7
Sg 44 12.70
TCF 0.81 323 Pg 44 08.10 -0.4
Sg 44 18.40
BGF 0.91 357 Pg 44 09.80 -0.5
Sg 44 21.60
CAF 0.94 220 Pg 44 10.60 -0.2
Sg 44 22.50
RJF 1.04 251 Pg 44 12.30 -0.2
Sg 44 25.90
LSF 1.14 303 Pg 44 14.10 -0.1
Sg 44 28.60
AVF 1.18 15 Pg 44 14.60 -0.3
Sg 44 29.70
SMF 1.19 33 Pg 44 14.80 -0.3
Sg 44 29.70
SSF 1.47 16 Pg 44 20.00 0.6
Sg 44 38.70
LBF 1.53 28 Pg 44 21.00 0.7
Sg 44 40.20
LPO 1.55 232 Pg 44 21.50 0.9
Sg 44 42.30
LOR 1.75 22 Pg 44 25.00 1.6
Sg 44 46.60
MFF 2.33 295 Pg 44 35.70 3.9X
Sg 45 04.90
S.D. = 0.8 on 13 of 14 obs.

& JUN 24, 1992 08h 04m 44.59s
34.412 N 116.808 W
DEPTH = 1.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.5 (PAS).

PEC 0.60 210 iPd 04 55.92 -0.6
SSK 0.76 255 iPc 04 59.03 -0.7
PLM 1.06 182 iPd 05 04.36 -1.1
S 05 19.47
ABL 2.04 283 ePd 05 18.98 -1.7
GLA 2.14 129 eP 05 19.70 -2.2
PKEM 3.16 302 eP 05 35.36 -1.1
PHAM 3.27 297 eP 05 38.02 0.0
TNP 3.68 355 ePd 05 43.57 -0.4
BONR 3.74 342 eP 05 44.82 -0.1
ARUT 4.33 38 eP 05 52.00 -1.3
KVN 4.74 348 (P) 06 00.41 1.2
ARN 4.83 309 eP 05 58.57 -1.6
MSU 5.54 41 eP 06 09.12 -1.3
13 obs. associated

• JUN 24, 1992 08h 34m 43.08± 0.63s
59.747 S ±13.8km 25.819 W ±11.8km
DEPTH = 33.0km (normal)
4.7mb (4 obs.)
SOUTH SANDWICH ISLANDS REGION (153)

SNA 14.38 147 e(P) 37 56.60 -9.3X
0.7s 71.23nm 5.3mb
SPA 30.42 180 eP 40 54.00 -0.3
0.9s 8.18nm 4.5mb
PEL 39.62 292 ePc 42 13.50 0.5
PPD 41.78 323 (P) 42 30.00 -0.8
SIV 50.67 314 P 43 39.80 -1.3
ITR 51.76 344 eP 43 48.40 -1.0
CNCB 52.60 306 P 43 57.20 0.8
LPB 52.90 306 P 44 00.00 1.6
ZOBO 53.13 306 P 44 00.30 -0.1
Z 24s 0.17um 4.0MszX
LR 01 46.00
ARE 54.38 302 eP 44 10.00 0.8
BUL 55.12 69 iPd 44 14.80 0.5
1.0s 4.50nm 4.5mb
LIC 67.81 22 P 45 39.70 0.1
KIC 67.99 23 P 45 40.00 -0.8
BCAO 72.86 47 ePd 46 11.90 1.6
0.7s 9.00nm 4.9mb
i 46 19.10
ASPA 95.24 161 iPc 48 13.30 8.8X
3.3s 6.30nm 4.5mb X
SES 129.46 304 ePKP 53 48.00 -0.8
YKA 139.35 315 ePKP 54 06.00 -1.0
0.9s 4.70nm
MBC 147.64 333 ePKPc 54 23.50 2.7X
1.0s 16.00nm
BJI 149.19 113 ePKP 54 29.00 4.7X
S.D. = 1.0 on 15 of 19 obs.

• JUN 24, 1992 08h 51m 53.62± 1.87s
6.397 S ±21.5km 147.554 E ±11.5km
DEPTH = 33.0km (normal)
4.0mb (1 obs.)

```
24d  08h

 EASTERN NEW GUINEA REG., P.N.G. (207)

FINC     0.37 126 ePc     52 02.20   -0.1
LAT      0.61 245 iPd     52 05.10   -0.6
YYYY     1.59 275 eP      52 20.50    0.6
PMG      3.02 188 eP      52 41.00    0.8
MNDI     3.88 273 eP      52 58.90    6.3X
ASPA    21.61 216 eP      56 42.40   -0.6
       0.6s     3.90nm          4.0mb
     S.D. = 0.9  on   5 of   6 obs.
-----------------------------------------
    JUN  24, 1992  08h 57m 23.36± 0.37s
    43.567 N ± 4.8km    16.872 E ± 3.5km
    DEPTH =   10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION          (383)
      MD 3.5 (TRI), ML 3.0 (TTG), 3.0
       (LJU).

HVAR     0.50 219 iPgd   57 33.10   -0.3
                  iSg    57 43.10
BRY      1.39 118 iPgd   57 47.44   -1.5
                  iSg    58 07.17
HCY      1.64 133 iPnc   57 51.80   -0.5
                  iSn    58 15.43
NKY      1.73 115 iPnd   57 53.45   -0.3
                  iSn    58 18.20
PLE      1.85  96 iPnc   57 55.55    0.0
                  iSn    58 21.98
BDV      1.93 131 iPnd   57 57.03    0.5
                  iSn    58 24.17
TTG      2.09 122 iPnd   57 59.95    1.1
                  iSn    58 27.85
VBY      2.26 330 ePn    58 00.70   -0.6
                  eSn    58 29.10
IVA      2.32 106 ePn    58 03.10    0.8
                  iSn    58 33.28
ULC      2.37 132 iPnd   58 04.05    1.1
                  iSn    58 34.85
PTJ      2.42 345 iPn    58 00.10   -3.6X
                  iSn    58 28.50
PVY      2.47 112 iPnd   58 05.24    0.8
                  iSn    58 36.97
RIY      2.52 316 e(Pn)  58 05.80    0.9
                  iSn    58 40.60
DUI      2.61 224 P      58 07.50    1.2
BRT      2.70 175 P      58 06.00   -1.6
                  eSn    58 39.00
CEY      2.79 322 ePn    58 08.40   -0.4
                  eSn    58 43.90
ARV      2.86 270 P      58 09.90    0.0
SDI      2.92 232 P      58 10.90    0.1
                  eSn    58 47.00
TRI      3.08 315 ePn    58 09.80   -3.1X
                  iSg    59 01.50
ASS      3.11 262 P      58 13.30   -0.2
SGO      3.22 202 P      58 15.00    0.0
VOY      3.25 320 ePn    58 14.70   -0.8
                  eSn    58 53.50
CRE      3.57 273 P      58 20.70    0.6
SKO      3.72 114 ePn    58 45.00   22.9X
OHR      3.81 129 e(Pn) 58 22.00   -1.4
     S.D. = 0.9  on  22 of  25 obs.
-----------------------------------------
•  JUN  24, 1992  08h 58m 32.34± 0.63s
    13.857 N ± 9.6km    91.706 W ± 7.9km
    DEPTH =   33.0km  (normal)
    4.8mb ( 18 obs.)  4.0Msz (  2 obs.)
 NEAR COAST OF GUATEMALA              ( 71)

UYO     20.37 353 iPc     03 08.20   -0.8
OLY     21.55   1 eP      03 20.85   -0.1
VVO     21.69 351 eP      03 21.90   -0.5
MEO     21.74 345 iPc     03 21.80   -1.1
FNO     21.92 347 iPd     03 23.10   -1.5
SIO     22.19 350 e(P)    03 27.10   -0.2
OCO     22.19 347 iPc     03 26.50   -0.9
TUL     22.27 351 eP      03 26.60   -1.5
       0.7s     13.10nm          4.5mb
     Z  20s      0.26um          3.7Msz
                  S       07 40.00
                  LR      14 27.00
JSC     22.43  23 eP      03 31.17    1.5
LST     22.64   4 iPc     03 32.28    0.5
LHS     22.78  24 (P)     03 35.43    2.3
TKL     22.85  17 iP      03 35.02    1.2
ACO     23.70 345 iPc     03 42.70    0.6
ALQ     24.86 330 iPc     03 55.13    1.5
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          0.6s     20.40nm         4.9mb
NAV       25.31  21 eP      03 57.73   0.1
GOL       28.41 337 iP      04 25.49  -0.8
          0.8s      5.02nm         4.3mb
GLA       28.43 316 eP      04 26.46   0.2
PV10      28.85 331 eP      04 30.00  -0.3
PLM       30.00 315 eP      04 40.43  -0.1
SRU       30.14 330 iPc     04 41.87   0.1
MSU       30.52 327 ePc     04 45.75   0.6
LVNJ      30.66  26 eP      04 45.64  -0.4
ARUT      30.68 325 iPc     04 47.54   1.1
EMUT      30.83 331 eP      04 48.08   0.2
DAU       31.51 331 eP      04 54.69   0.8
RSSD      31.95 343 eP      04 56.48  -1.1
          0.8s      6.24nm         4.6mb
BW06      32.68 335 eP      05 03.00  -1.0
          0.8s      1.55nm         4.0mb
HVU       33.30 331 eP      05 10.03   0.8
BONR      33.66 320 ePc     05 13.73   1.0
RSNY      33.91  22 eP      05 13.36  -1.0
          0.9s     12.74nm         4.8mb
KVN       34.23 322 iPd     05 18.73   1.3
EEO       34.36  15 eP      05 18.50   0.3
LBFM      37.93 322 iPd     05 49.48   0.7
FHC       38.90 320 eP      05 58.24   1.6
          1.0s     29.52nm         5.0mb
LMN       39.14  30 eP      06 00.50   2.0
SES       39.70 341 eP      06 03.00  -0.2
NEW       40.25 334 eP      06 07.50  -0.2
          0.8s      7.08nm         4.5mb
DPW       40.43 332 eP      06 09.34   0.1
LON       41.36 329 ePc     06 17.25   0.4
RMW       41.84 329 eP      06 21.63   0.8
BMW       41.91 327 eP      06 21.69   0.3
PNT       42.13 333 iPc     06 24.30   1.2
          0.7s     26.00nm         5.1mb
SIV       42.38 133 P       06 09.20 -16.4X
GMW       42.39 329 eP      06 25.08  -0.2
PGC       43.46 330 eP      06 34.50   0.6
FCC       44.86 358 eP      06 46.00   1.0
YKA       51.23 347 eP      07 33.20  -1.4
          0.6s      9.90nm         4.9mb
BALM      59.49 334 eP      08 34.72   0.2
KLU       61.23 334 eP      08 46.08  -0.3
PMR       62.67 333 eP      08 55.01  -0.8
          1.0s     10.97nm         4.9mb
SLKM      62.75 332 ePc     08 55.67  -0.8
FBA       63.49 337 iPc     08 59.85  -1.4
          1.0s     23.19nm         5.2mb
REF       63.90 331 eP      09 03.32  -0.9
MBC       64.09 353 eP      09 04.00  -1.0
          0.7s      6.00nm         4.8mb
                    pP      09 41.50 157kmX
SVW       65.45 331 iPc     09 12.69  -1.4
          0.7s      8.51nm         5.0mb
TTA       66.15 333 iPc     09 16.94  -1.7
          1.1s      3.01nm         4.3mb
EKA       77.91  36 Pc      10 27.20  -1.3
          0.6s      6.90nm         4.9mb
NB2       84.13  28 P       11 01.20   0.0
          1.0s      3.70nm         4.5mb
HFS       85.59  29 eP      11 08.20  -0.3
          0.7s      5.10nm         4.8mb
        Z  18s      0.11um         4.3Msz
                    LR      39 42.00
WB2      135.62 256 ePKP    17 58.60   6.7X
          0.4s      3.20nm
WRA      135.63 256 PKP     17 53.30   1.4
          1.1s      0.60nm
GKN      138.24   5 PKP     17 57.60   0.7
GUN      138.42   3 PKP     17 58.00   0.5
KKN      138.50   4 PKP     17 56.60  -0.8
DMN      138.67   4 PKP     17 56.90  -0.9
PKI      138.72   4 PKP     17 56.80  -1.2
CHG      145.88 342 ePKPc   18 11.00   0.7
          1.0s     14.75nm
BDT      147.34 341 ePKP    18 16.00   3.4X
          0.8s     41.50nm
HYB      147.47  17 ePKP    18 16.00   3.1X
KHT      149.77 340 ePKP    18 24.00   7.6X
       S.D. = 1.0  on  65 of  70 obs.
-----------------------------------------
    JUN  24, 1992  09h 00m 18.19± 0.21s
    15.424 S ± 5.6km   173.395 W ± 6.5km
    DEPTH =   30.8km  ( 6 depth phases)
    5.2mb ( 33 obs.)  4.8Msz (  2 obs.)
 TONGA ISLANDS                        (173)
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```
AFI       2.17  46 iPc      00 55.00    2.0
MBU       7.73 257 ePc      02 22.20   10.7X
DZM      20.19 248 iPc      04 54.00    0.6
OUZ      22.91 208 P        05 25.00    4.5X
WCZ      23.19 206 eP       05 26.50    3.3X
         0.7s    102.00nm          5.4mb
PUZ      23.74 197 eP       05 31.60    3.0X
NOZ      24.31 196 P        05 37.60    3.5X
WLZ      24.39 201 P        05 36.80    1.9
PMO      24.60  92 eP       05 37.00   -0.1
         1.0s     25.00nm          4.7mb
VAH      24.84  93 eP       05 39.00   -0.4
         1.0s      5.00nm          4.1mb X
TPT      24.87  92 eP       05 39.00   -0.7
         1.0s     35.00nm          4.9mb
RUV      25.09  93 eP       05 40.00   -1.7
         1.0s     20.00nm          4.7mb
MOZ      25.24 202 P        05 46.80    3.8X
PGZ      26.67 198 P        05 56.90    0.7
MNG      26.91 199 P        05 57.60   -0.8
ORZ      28.11 203 P        06 10.40    1.0
THZ      28.79 202 P        06 15.70    0.1
KHZ      29.16 200 P        06 18.80    0.1
DSZ      29.18 203 eP       06 17.80   -1.3
LTZ      29.91 201 P        06 24.20   -1.4
LRCZ     32.95 203 P        06 51.10   -1.2
MHZ      32.97 203 P        06 50.80   -1.6
MMCZ     32.98 203 P        06 51.10   -1.4
LSCZ     32.98 203 P        06 51.40   -1.1
SBCZ     32.98 203 P        06 51.20   -1.3
CMCZ     33.04 203 P        06 51.70   -1.4
TLC      33.16 203 P        06 53.10   -1.0
MSZ      33.17 205 eP       06 55.40    1.4
TUZ      33.61 202 P        07 00.60    2.8X
ARMA     35.34 239 iPd      07 13.60    0.5
         0.7s     27.00nm          5.3mb
CTA      38.64 257 eP       07 41.30    0.4
         0.6s     29.33nm          5.2mb
CNB      38.74 232 iPc      07 42.60    1.0
         1.0s     82.00nm          5.5mb
CAN      39.02 232 iPc      07 44.10    0.2
BWA      39.16 234 iPc      07 44.20   -0.9
CMS      40.42 239 iPd      07 56.00    0.5
         0.6s     14.00nm          4.9mb
TOO      42.45 231 iPd      08 13.40    1.3
         1.0s    150.00nm          5.7mb
STK      44.03 240 eP       08 25.20    0.2
         0.5s     10.80nm          4.9mb
OIS      44.88 256 eP       08 31.00   -0.9
ADE      47.01 236 eP       08 49.30    0.6
WB2      49.83 257 eP       09 08.20   -2.5
         0.4s     25.30nm          5.6mb
                   i        10 31.90 418kmX
WRA      49.84 257 P        09 10.40   -0.4
         0.4s     12.10nm          5.3mb
ASPA     50.11 252 iPc      09 12.40   -0.5
         0.7s     49.30nm          5.6mb
WARB     56.65 249 iPd      10 01.00   -0.2
         1.0s    118.00nm          5.9mb
CSY      70.39 205 iPd      11 32.50    1.6
         0.6s     16.30nm          5.3mb
SDN      71.33   8 eP       11 35.60   -1.0
LTCM     73.01  39 eP       11 46.23   -0.8
                   ipP      11 54.64   27km
SPA      74.68 180 iPc      11 59.20    2.7
         0.8s     40.83nm          5.5mb
KDC      74.93  11 ePd      11 56.98   -0.7
         1.3s     49.87nm          5.4mb
                   epP      12 06.57   31km
SHW      76.70  34 iPd      12 08.53    0.3
REF      77.46  10 iPd      12 11.23   -0.9
                   epP      12 22.03   35km
SVW      77.58   9 iPd      12 11.82   -0.8
         0.9s     19.52nm          5.1mb
RMW      77.73  33 iPd      12 13.66   -0.1
                   epP      12 23.15   30km
SLKM     77.93  11 iPd      12 13.68   -0.9
                   epP      12 23.13   30km
CRP      78.29  10 eP       12 14.83   -1.8
DUG      78.87  43 iPc      12 20.45    0.1
         1.2s     10.88nm          4.7mb
PMR      79.14  12 P        12 20.30   -0.8
         1.2s     34.89nm          5.2mb
TTA      79.28   8 ePd      12 22.90    1.0
         0.9s     29.80nm          5.3mb
KLU      79.71  13 eP       12 23.70   -0.6
PNT      80.03  32 ePd      12 26.00   -0.2
```

0.8s 21.00nm 5.2mb
BALM 80.14 15 iPd 12 26.03 -0.6
TOA 80.20 13 ePd 12 27.60 0.7
PV10 80.52 46 eP 12 29.29 -0.1
NEW 80.72 34 eP 12 29.20 -0.7
0.8s 12.08nm 5.0mb
ALO 80.81 50 P 12 31.79 0.9
1.1s 13.20nm 4.9mb
BW06 82.29 42 iP 12 38.20 -0.3
1.3s 16.94nm 4.9mb
FBA 82.42 11 iPd 12 37.79 -0.6
0.9s 71.99nm 5.7mb
IMA 82.58 8 iPd 12 39.51 0.1
1.5s 16.98nm 4.9mb
GOL 83.67 46 eP 12 45.23 -0.4
0.8s 16.04nm 5.2mb
SES 85.22 35 ePd 12 52.60 -0.3
1.1s 60.00nm 5.7mb
BJI 85.49 313 eP 12 57.00 2.6X
1.2s 20.00nm 5.2mb
e 23 32.00
RSSD 86.47 42 eP 12 59.52 0.0
1.4s 33.37nm 5.4mb
epP 13 09.73 32km
MEO 86.68 53 iPc 13 01.40 0.9
MAW 87.77 199 iPc 13 07.60 2.5
0.9s 17.00nm 5.3mb
YKA 90.12 23 eP 13 15.70 -0.5
0.9s 4.30nm 4.7mb
OJC 143.68 346 ePKP 19 51.50 -0.2
PRU 144.93 351 ePKP 19 53.80 0.0
e 20 08.50
e 20 22.00
DOU 145.38 2 PKP 19 54.90 0.3
GRF 145.62 355 ePKPc 19 56.60 1.5
e 20 08.00
MLR 145.89 335 ePKPd 19 57.00 1.2
KHC 145.90 352 PKP 19 57.00 1.4
1.4s 22.00nm
e 20 08.50
e 20 23.50
GEC2 146.17 352 PKP 19 55.70 -0.4
1.0s 5.94nm
ZST 146.19 347 ePKP 20 02.90 6.9X
FLN 146.25 8 ePKP 19 57.70 1.6
0.9s 11.30nm
Z 22s 0.17um 4.8Msz
SRO 146.28 346 ePKP 20 04.80 8.6X
LDF 146.46 8 ePKP 19 58.00 1.5
0.6s 4.50nm
GRR 146.56 9 ePKP 19 58.60 2.0
0.8s 7.95nm
LPF 146.88 9 ePKP 20 00.20 3.1X
0.9s 14.40nm
CDF 147.10 359 ePKP 20 00.50 2.9X
1.0s 12.20nm
HAU 147.51 0 ePKP 20 03.30 5.1X
0.7s 9.50nm
BSF 147.68 360 ePKP 20 03.90 5.3X
0.6s 3.45nm
LOR 148.17 4 ePKP 20 04.20 4.9X
0.7s 5.50nm
Z 21s 0.20um 4.9Msz
LBF 148.46 3 ePKP 20 04.30 4.5X
0.8s 5.10nm
SMF 148.79 4 ePKP 20 05.30 5.0X
1.3s 17.35nm
VOY 148.88 350 ePKP 20 04.10 3.6X
MAF 149.11 5 ePKP 20 09.20 8.4X
0.9s 12.80nm
VBY 149.14 348 e(PKP)20 01.00 0.2
e 20 07.00
e 20 27.40
LPL 150.00 360 ePKP 20 10.30 7.9X
1.0s 10.60nm
LPG 150.02 360 ePKP 20 09.70 7.2X
0.8s 7.40nm
SKO 150.61 337 iPKPd 20 09.20 6.0X
VAY 150.72 335 ePKP 20 09.40 6.1X
BCAO 163.97 228 iPKPd 20 21.20 1.0
0.2s 32.00nm
i 21 15.00
S.D. = 1.1 on 78 of 101 obs.

? JUN 24, 1992 09h 26m 07.64± 1.76s
41.168 N ±17.1km 28.697 E ± 7.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

CTT 0.20 264 iPg 26 12.20 0.1
eSg 26 15.70
ISK 0.29 110 iPg 26 13.70 0.0
eSg 26 18.20
KCT 0.95 196 ePn 26 26.20 0.4
BNT 1.00 216 ePn 26 26.20 -0.4
S.D. = 0.6 on 4 of 4 obs.

? JUN 24, 1992 09h 58m 57.11± 2.46s
31.134 S ±39.1km 68.333 W ±20.8km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL 0.23 211 iPc 59 11.70 -0.2
S 59 21.00
CFA 0.48 170 iPc 59 13.20 0.2
S 59 25.00
ZON 0.51 216 iPd 59 13.50 0.3
eS 59 24.50
RTCB 0.53 229 iPd 59 13.50 0.0
RTCV 0.75 194 iPd 59 15.00 -0.2
RTBS 1.09 241 ePc 59 18.80 0.0
S 59 33.70
S.D. = 0.3 on 6 of 6 obs.

& JUN 24, 1992 10h 28m 17.67s
63.204 N 150.672 W
DEPTH = 132.0km
CENTRAL ALASKA (1)
<AEIC>.

TRF 0.30 35 iPc 28 36.25 1.5
eS 28 50.31
KTH 0.37 342 iPd 28 36.23 1.4
eS 28 49.63
HUR 0.52 115 iPc 28 36.88 -0.5
eS 28 51.25
CUT 0.82 167 ePc 28 39.24 -0.2
RND 0.85 75 iPc 28 39.29 -0.5
eS 28 56.25
MCK 0.94 55 iPc 28 40.18 -0.4
eS 28 57.31
SKT 1.29 198 iPd 28 43.37 -0.6
eS 29 03.68
NEA 1.55 26 eP 28 45.84 -1.0
eS 29 06.86
PWA 1.60 166 P 28 47.20 -0.2
GHO 1.65 150 eP 28 47.72 -0.4
eS 29 11.08
WRH 1.71 41 iPc 28 47.87 -0.8
SUA 1.75 181 ePd 28 49.56 0.3
eS 29 13.13
SML 1.77 141 ePd 28 48.70 -0.8
eS 29 13.00
MLY 1.83 359 iPd 28 49.23 -1.0
CCB 1.92 40 iPc 28 50.27 -0.9
NCG 1.94 202 eP 28 51.13 -0.4
CGLM 2.00 199 eP 28 52.13 -0.2
PMS 2.03 165 P 28 52.00 -0.6
S 29 18.20
HDA 2.04 52 ePc 28 51.66 -1.1
SCM 2.07 130 ePd 28 52.45 -0.7
eS 29 19.81
KNK 2.07 149 eP 28 52.68 -0.4
eS 29 19.71
BGL 2.11 203 eP 28 54.09 0.5
CKN 2.11 200 eP 28 54.79 1.2
FBA 2.12 35 P 28 52.70 -1.0
SPU 2.13 198 eP 28 53.41 -0.4
eS 29 20.11
CKL 2.16 202 eP 28 54.25 0.0
THY 2.23 82 eP 28 55.70 0.6
DDM 2.23 73 eP 28 55.21 0.0
BKG 2.27 200 eP 28 55.03 -0.6
GLM 2.30 37 iPc 28 55.13 -0.8
TOA 2.35 116 P 28 56.70 0.1
DJE 2.38 67 eP 28 56.09 -0.8
eS 29 25.22
PAX 2.38 93 ePc 28 56.52 -0.5
SDG 2.45 104 eP 28 57.19 -0.6
eS 29 28.19
PTE 2.47 161 eP 28 57.11 -1.0
eS 29 26.93
TZL 2.69 113 eP 29 01.00 0.1
SLKM 2.71 175 eP 29 00.88 -0.4
KLU 2.80 126 eP 29 01.12 -1.3
eS 29 34.61
REF 2.89 200 eP 29 02.86 -0.8
VLZ 2.91 134 eP 29 02.11 -1.6
RS2 2.92 201 P 29 04.60 0.4
RSO 2.92 201 P 29 04.50 0.3
RS1 2.93 201 P 29 04.30 0.1
DOT 3.00 79 ePc 29 03.84 -1.2
SVW 3.13 230 P 29 05.90 -0.9
SEW 3.17 169 eP 29 05.87 -1.2
NNL 3.19 186 eP 29 07.85 0.4
HIN 3.44 143 eP 29 09.21 -1.6
CVA 3.54 137 eP 29 11.77 -0.3
GLB 3.66 116 ePd 29 12.89 -0.8
PDB 3.82 208 eP 29 14.99 -0.8
51 obs. associated

JUN 24, 1992 10h 47m 17.93± 0.62s
44.271 N ± 4.5km 12.247 E ± 5.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
MD 2.7 (TRI).

SFI 0.45 219 P 47 27.80 0.7
eSg 47 34.00
PGD 0.55 224 P 47 29.00 -0.1
eSg 47 36.30
CRE 0.68 198 P 47 31.70 0.2
eSg 47 42.00
ARV 0.92 147 P 47 35.20 -0.4
eSg 47 50.00
MME 1.11 267 P 47 38.30 -0.7
eSg 47 56.30
BDI 1.21 261 P 47 40.50 0.1
eSg 47 57.00
ASS 1.24 166 P 47 40.80 -0.2
eSg 47 58.10
TRI 1.80 36 ePn 47 45.00 -4.1X
iSg 48 12.10
CTI 1.83 347 P 47 49.50 -0.2
eSn 48 13.30
FVI 2.35 9 P 47 57.70 0.5
eSn 48 26.20
S.D. = 0.5 on 9 of 10 obs.

% JUN 24, 1992 11h 43m 31.15± 2.28s
39.298 N ±18.9km 27.740 E ± 7.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.75 66 ePg 43 46.00 0.1
eSg 43 56.80
KCT 1.06 26 iPn 43 51.20 0.0
BNT 1.07 7 ePn 43 50.70 -0.5
KGT 1.20 344 ePn 43 54.00 0.5
EZN 1.21 296 ePn 43 53.60 -0.1
S.D. = 0.5 on 5 of 5 obs.

JUN 24, 1992 12h 11m 26.01± 0.14s
51.501 N ± 3.3km 173.446 W ± 1.9km
DEPTH = 33.0km (normal)
5.7mb (154 obs.) 5.6Msz (53 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)
ML 5.7 (PMR). Mo=1.6*10**18 Nm
(PPT). Felt (III) on Adak and
Atka.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 75C
Centroid Location:
Origin Time 12:11:27.8 0.1
Lat 51.57N FIX;Lon 172.95W FIX
Dep 15.0 BDY Half-duration 3.2
Moment Tensor; Scale 10**17 Nm
Mrr= 4.45 0.08 Mtt=-3.80 0.11
Mff=-0.65 0.08 Mrt= 5.90 0.19
Mrf= 0.37 0.21 Mtf=-1.88 0.10
Principal Axes:
T Val= 7.56 Plg=62 Azm= 8
N -0.18 10 258
P -7.38 26 163
Best Double Couple:Mo=7.5*10**17
NP1:Strike=230 Dip=21 Slip= 60
NP2: 82 72 101

ADK 2.05 282 ePd 11 57.91 -0.9
SMY 7.77 284 (P) 13 25.45 6.0X

24d 12h

```
       0.8s  1934.99nm            7.2mb X
SDN     8.63  59 eP   13 28.96  -2.6
MCNL   13.28  47 eP   14 35.37   0.8
CDD    13.49  49 eP   14 34.53  -2.8X
KDC    13.62  55 eP   14 35.33  -3.6X
PDB    13.63  45 eP   14 38.87  -0.3
SVW    13.75  39 eP   14 40.84   0.1
ANM    13.76  15 eP   14 41.41   0.6
RED    14.56  44 eP   14 51.08  -0.3
REF    14.63  44 iPc  14 52.10  -0.2
TTA    14.78  33 eP   14 53.11  -1.1
BKG    15.10  42 eP   15 00.66   2.3
CKL    15.13  42 eP   15 00.10   1.3
CPKM   15.21  42 (P)  15 00.87   0.9
SPU    15.24  42 eP   14 58.92  -1.3
CRP    15.24  42 eP   15 00.66   0.3
NCG    15.31  41 eP   15 02.99   1.8
SLKM   15.73  46 eP   15 04.23  -2.3
SKT    15.87  40 eP   15 09.11   0.9
SEW    15.92  48 eP   15 04.87  -4.0X
PMS    16.34  44 eP   15 13.00  -1.2
PTE    16.42  46 eP   15 11.51  -3.6X
PMR    16.68  43 eP   15 16.57  -1.9
KNK    16.89  44 eP   15 18.69  -2.5X
PET    17.11 286 iP+  15 22.00  -1.9
       1.1s   100.00nm          4.9mb
     Z  16s     9.00um          5.1MszX
     N  18s     4.40um
     E  16s    20.90um
                 eS   18 28.00
MID    17.20  52 eP   15 24.30  -0.6
IMA    17.71  27 ePc  15 31.87   0.5
       1.0s    94.79nm          4.9mb
MCK    17.80  37 eP   15 31.95  -0.6
MLY    17.91  32 eP   15 34.11   0.2
KLU    18.05  46 eP   15 32.20  -3.4X
WRH    18.51  36 eP   15 37.69  -3.5X
CCB    18.71  36 eP   15 40.53  -3.1X
FBA    18.85  35 eP   15 41.83  -3.5X
HDA    18.90  37 eP   15 42.75  -3.2X
GLM    19.05  35 eP   15 44.58  -3.2X
SKR    19.09 279 iPc  15 47.00  -1.3
       0.8s   440.00nm          5.7mb
     Z  16s     6.90um          5.1Msz
     N  16s     9.30um
     E  18s     7.60um
                 eS   19 20.00
BALM   19.55  49 eP   15 49.80  -3.8X
BRW    21.26  15 ePd  16 10.52  -0.6
MGD    21.61 307 ePc+ 16 15.00   0.2
       1.0s   150.00nm          5.4mb
     Z  18s    18.00um          5.5Msz
     N  18s    15.00um
     E  18s    12.00um
                 i    16 30.00
                 i    16 43.00
                 i    16 48.00
                 eS   20 08.00
SIT    22.72  61 eP   16 24.62  -1.1
       0.7s    60.44nm          5.2mb
     Z  19s     9.02um          5.2Msz
KUR    26.22 272 eP   16 57.50  -1.8
       0.5s   430.00nm          6.3mb
     Z  18s     4.40um          5.0Msz
     N  18s     5.90um
     E  18s     5.90um
YSS    28.63 278 ePc+ 17 20.40  -0.8
       0.9s   170.00nm          5.7mb
     Z  20s    14.00um          5.6Msz
     N  20s     5.40um
     E  20s    11.10um
                 e    17 35.00
                 e    18 21.00
                 eS   22 08.00
                 e    22 27.00
                 eSSS 23 56.00
KUSJ   29.25 270 eP   17 24.10  -2.7
ASAJ   30.02 273 eP   17 33.40  -0.3
HOOJ   30.52 270 eP   17 36.90  -1.2
PGC    31.71  75 eP   17 49.00   0.5
YAK    31.84 312 iPc+ 17 47.50  -2.0
       0.9s    82.00nm          5.6mb
     Z  17s    20.10um          5.9MszX
     N  17s    11.30um
     E  17s    14.80um
                 e    18 52.00
                 iPPP 19 11.00

                 i    20 39.00
                 eS   22 55.00
                 eSS  24 54.00
                 e    28 16.00
MRRJ   31.88 272 eP   17 47.70  -2.3
MCW    32.07  75 eP   17 50.19  -1.5
MBC    32.26  21 eP   17 52.00  -1.0
       1.0s    44.00nm          5.3mb
HDN    32.44 152 P    18 10.00  14.9X
     Z  20s     6.38um          5.3Msz
GMW    32.58  77 eP   17 56.73   0.6
                 epP  18 10.62  55kmX
YKA    32.70  47 eP   17 56.20  -0.8
       0.8s    34.20nm          5.3mb
BMW    32.80  79 eP   17 58.61   0.5
                 epP  18 11.74  51kmX
RMW    33.22  76 eP   18 02.26   0.5
AOMJ   33.35 269 eP   18 03.50   0.6
OFUJ   33.41 266 eP   18 02.70  -0.7
LON    33.54  77 eP   18 05.01   0.5
SHW    33.54  79 eP   18 05.28   0.6
PNT    33.73  72 ePd  18 06.00  -0.1
       0.8s    85.00nm          5.7mb
VGB    34.76  79 eP   18 15.38   0.3
YAMJ   34.97 266 eP   18 17.10   0.2
DPW    35.21  74 eP   18 18.25  -0.6
FHC    35.26  88 eP   18 20.50   1.1
       1.2s   246.00nm          6.0mb
NEW    35.68  72 iP   18 22.70  -0.1
       0.8s   166.67nm          6.0mb
                 ipP  18 36.70  54kmX
KAKJ   36.12 263 P    18 26.70   0.1
NIIJ   36.19 266 P    18 27.70   0.5
LBFM   36.26  86 eP   18 28.68   0.6
                 epP  18 42.38  52kmX
CHJJ   36.95 264 P    18 33.60   0.0
MAT    37.13 266 eP   18 35.00  -0.1
       0.7s    63.70nm          5.6mb
     Z  20s     6.38um          5.4Msz
                 eS   24 19.00
MTMJ   37.35 266 P    18 40.10   3.0X
ORV    37.54  88 eP   18 38.43  -0.1
MDJ    37.84 283 eP   18 40.00  -1.0
       0.8s    61.00nm          5.5mb
     N  22s     6.98um
                 PP   20 12.00
                 S    24 33.00
SES    38.27  66 ePc  18 44.00  -0.6
       0.8s   230.00nm          6.1mb
ARN    38.85  91 eP   18 49.87   0.3
TSRJ   39.15 266 eP   18 53.00   0.9
KVN    39.96  86 eP   18 59.76   0.8
WKYJ   40.25 265 P    19 00.90  -0.4
BOD    40.46 308 eP   19 01.80  -0.8
       1.1s    58.00nm          5.2mb
BONR   40.49  87 eP   19 04.39   0.9
PHAM   40.51  91 eP   19 04.05   0.7
CN2    40.79 284 Pc   19 04.00  -1.5
       1.2s    69.00nm          5.3mb
     Z  20s    16.10um          5.9Msz
     N  18s     9.52um
     E  18s    14.30um
                 pP   19 19.00  58kmX
                 ePP  20 38.00
                 ScS  29 04.00
YONJ   40.95 268 P    19 08.60   1.7
TNP    41.09  86 eP   19 08.79   0.5
       0.9s    53.76nm          5.3mb
                 epP  19 21.98  50kmX
                 esP  19 31.75
                 eScP 24 55.50
BCH    41.12  92 eP   19 09.28   0.8
TKSJ   41.37 266 P    19 11.20   0.8
HVU    41.66  79 eP   19 12.69  -0.1
SHK    41.87 268 eP   19 15.80   1.4
ABL    41.88  92 eP   19 15.45   0.7
DUG    42.56  81 eP   19 20.37   0.2
       1.1s    96.75nm          5.4mb
                 epP  19 33.99  51kmX
                 eScP 25 07.00
SNY    43.04 283 iPc  19 23.50  -0.4
       1.0s   250.00nm          5.9mb
     Z  22s     8.52um          5.6Msz
     N  21s     8.68um
     E  17s     2.63um
                 sP   19 38.00
                 PcS  25 06.00

                 S    25 46.00
                 sS   26 06.00
BW06   43.05  76 ePc  19 23.79  -0.5
       1.0s    93.33nm          5.5mb
                 eSKKP 46 23.89
SHNJ   43.12 268 P    19 24.90   0.3
SSK    43.25  91 eP   19 26.00   0.0
CIT    43.38 301 eP   19 26.00  -0.6
     Z  20s    10.27um          5.7Msz
     E  20s    20.16um
                 eS   25 53.00
DAU    43.39  79 eP   19 27.64   0.5
                 epP  19 41.26  51kmX
FCC    43.42  48 ePd  19 27.50   0.8
ARUT   43.63  84 eP   19 28.87  -0.1
                 epP  19 42.53  52kmX
PEC    43.79  91 eP   19 29.59  -0.6
       1.0s    14.69nm          4.7mb
MSU    43.97  82 eP   19 31.96   0.2
EMUT   44.02  80 eP   19 32.17   0.0
                 epP  19 46.01  52kmX
PLM    44.34  91 eP   19 34.54  -0.2
KUMJ   44.35 267 P    19 35.10   0.5
SRU    44.62  80 eP   19 36.95  -0.1
                 epP  19 51.33  55kmX
KAGJ   45.22 266 P    19 42.10   0.4
RSSD   45.59  71 eP   19 44.09  -0.6
       0.6s    33.28nm          5.4mb
     Z  20s     3.43um          5.3Msz
NRI    45.77 331 iPd  19 44.00  -1.5
       0.9s   120.00nm          5.8mb
     Z  17s    13.00um          5.9MszX
     N  17s     2.70um
     E  17s     8.30um
                 i    19 57.00
                 e    21 22.00
                 ePPP 22 16.00
                 eS   26 41.00
                 eSSS 30 46.00
GLA    45.81  90 (P)  19 45.88  -0.4
DL2    45.98 281 P    19 45.00  -2.5
       1.0s   250.00nm          6.1mb
     Z  16s     2.21um          5.2MszX
     N  16s     3.83um
                 S    26 30.00
ULM    46.78  59 ePd  19 54.30   0.6
GOL    47.42  76 ePc  19 58.50  -0.7
       0.8s    64.43nm          5.7mb
     Z  20s     4.85um          5.5Msz
                 epP  20 12.12  51kmX
IRK    48.11 305 eP+  20 03.00  -1.2
       0.9s    50.00nm          5.5mb
     Z  20s     6.05um          5.6Msz
     N  17s     6.24um
     E  17s     3.94um
                 e    20 18.50
                 e    21 54.00
                 eS   27 16.00
                 e    29 53.20
BJI    48.60 285 eP   20 06.00  -2.0
       1.2s   120.00nm          5.8mb
     Z  21s     9.46um          5.8Msz
     N  19s     7.66um
                 sP   20 21.00
                 PcP  21 32.00
                 S    27 00.00
                 ScS  29 55.00
ZAK    49.72 304 iPc  20 16.00  -0.5
     Z  16s     3.86um          5.5MszX
     E  17s     9.41um
                 e    22 13.00
                 eS   27 26.00
                 e    30 06.00
ALQ    49.78  82 ePc  20 18.20   0.7
       1.2s    45.69nm          5.4mb
     Z  19s     2.01um          5.1Msz
KBS    49.80 359 eP   20 16.80   0.0
MOY    50.14 306 ePd  20 20.20   0.5
       1.6s   105.00nm          5.6mb
TIA    50.45 281 eP   20 21.50  -0.8
       1.2s   200.00nm          6.0mb
     Z  22s     6.19um          5.6Msz
     N  18s     4.83um
     E  18s     4.08um
                 pP   20 35.50  52kmX
                 S    27 33.00
                 SS   31 06.00
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GUMO    50.50 237 e(P)   20 18.50  -4.3X
        1.2s   224.90nm          6.0mb
     Z  22s      0.71um          4.6Msz
                 eS      27 33.50
HHC     50.85 289 Pc     20 25.00  -0.4
        1.2s    78.00nm          5.6mb
     Z  20s      5.74um          5.6Msz
     N  14s      2.99um
     E  15s      2.16um
                 sP      20 40.00
                 PP      22 24.00
                 S       27 40.00
                 sS      27 58.00
SSE     51.34 273 Pc     20 30.30   1.2
        1.0s   120.00nm          5.8mb
     Z  20s      3.20um          5.3Msz
     N  18s      3.30um
     E  18s      2.80um
                 sP      20 44.00
                 S       27 48.00
                 sS      28 06.00
BTO     51.92 290 iPd    20 33.00  -0.5
        1.0s   130.00nm          5.8mb
     N  16s      5.13um
     E  17s      7.75um
                 S       27 54.00
NJ2     52.15 276 Pc     20 35.00  -0.2
        1.0s    45.00nm          5.4mb
     N  16s      2.19um
     E  16s      4.83um
                 sP      20 49.50
                 S       27 59.00
TIY     52.33 285 Pc     20 36.80   0.1
        1.2s   150.00nm          5.8mb
     Z  22s      7.58um          5.7Msz
     E  18s      4.02um
                 sP      20 52.00
                 PP      22 40.00
ACO     53.10  75 iPc    20 41.50  -0.8
MEO     54.72  77 iPd    20 53.60  -0.6
OCO     54.89  75 iPd    20 56.80   1.3
FNO     55.12  76 iPd    20 56.80  -0.3
SIO     55.45  74 eP     20 57.30  -2.2
TUL     55.65  74 eP     20 58.20  -2.7
        0.7s    18.60nm          5.2mb
     Z  18s      2.54um          5.3Msz
                 e       28 47.00
                 LR      43 05.00
WHN     55.98 278 eP     21 03.00  -0.3
        2.5s   440.00nm          6.0mb
     Z  22s      9.09um          5.8Msz
     N  18s      7.57um
     E  16s      2.59um
                 pP      21 16.50  49kmX
                 S       28 49.00
VVO     56.07  74 eP     21 01.50  -2.4
CCM     56.90  69 eP     21 08.04  -1.8
        0.7s    36.58nm          5.5mb
     Z  18s      3.23um          5.5Msz
XAN     56.90 284 iPc    21 08.50  -1.5
        1.0s   130.00nm          5.9mb
     N  18s      3.54um
     E  16s      5.69um
                 sP      21 22.00
SLM     57.10  68 P      21 20.00   8.8X
     Z  19s      2.11um          5.3Msz
FVM     57.42  69 eP     21 11.24  -2.3
        0.9s   141.24nm          6.0mb
UYO     57.63  74 e(P)   21 13.80  -1.3
EEO     57.80  54 ePd    21 16.20   0.1
KEV     58.14 352 eP     21 16.00  -2.1
        0.8s    41.10nm          5.6mb
OLY     58.50  71 eP     21 19.04  -2.1
LZH     58.53 290 Pc     21 20.50  -1.1
        1.5s   370.00nm          6.3mb
     Z  22s      9.37um          5.9Msz
     E  19s      5.48um
                 pP      21 30.00  31kmX
                 sP      21 35.00
                 PcP     22 09.50
                 PP      23 31.50
                 eS      29 25.00
                 ScS     31 05.00
GTA     58.59 295 iPc    21 20.40  -1.5
        1.0s    95.00nm          5.9mb
     Z  18s     25.70um          6.4Msz
     E  15s      5.96um
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                 pP      21 32.50  42kmX
                 sP      21 38.00
                 PcP     22 11.00
                 S       29 16.00
                 ScS     31 05.50
LST     58.83  69 eP     21 22.31  -1.0
ELF     58.98  59 P      21 23.90  -0.5
DLA     59.07  59 P      21 24.90  -0.1
LDN     59.15  59 P      21 24.90  -0.7
ACTO    59.36  57 P      21 26.75  -0.3
APA     59.58 348 iPd    21 29.50   1.3
                 iS      29 36.00
TYNO    59.81  58 P      21 29.70  -0.4
STCO    60.10  57 P      21 32.45   0.4
PWLA    60.87  70 eP     21 35.06  -2.4
AKU     61.62  11 iP     21 42.20   0.1
        1.0s    32.00nm          5.4mb
GZH     61.93 272 Pc     21 45.00   0.3
     Z  18s      8.47um          5.9Msz
     N  18s      8.29um
     E  16s      2.21um
HKC     61.98 271 eP     21 46.00   0.9
WMQ     62.04 306 P      21 44.50  -0.8
        1.5s    64.00nm          5.5mb
     Z  18s      6.60um          5.8Msz
     N  19s      8.50um
                 PP      24 03.00
CD2     62.20 285 P      21 46.00  -0.5
        1.0s   260.00nm          6.3mb
     Z  23s     16.00um          6.1MszX
     N  16s     10.90um
                 sP      21 59.00
                 PcP     22 28.00
                 ScP     26 24.00
                 S       30 07.50
                 sS      30 26.50
                 ScS     31 32.00
MCWV    62.23  61 eP     21 46.10  -0.5
        0.9s   232.22nm          6.3mb
     Z  20s      7.57um          5.9Msz
TKL     62.88  66 eP     21 49.63  -1.2
                 epP     22 02.71  46kmX
BNH     63.14  52 ePd    21 51.40  -1.1
SVE     63.24 330 ePc+   21 51.60  -1.4
        2.1s   192.00nm          5.9mb
     Z  18s     10.40um          6.1Msz
     N  18s      6.00um
     E  18s      1.90um
                 e       22 05.00
                 eS      30 26.00
NAV     63.38  63 eP     21 53.35  -0.9
GYA     63.62 280 iPc    21 56.00   0.0
     Z  20s     15.20um          6.2Msz
     N  15s      6.25um
     E  15s      3.24um
                 pP      22 09.00  45kmX
                 S       30 28.00
                 sS      30 45.00
BLA     63.66  63 iP     21 55.48  -0.6
        0.8s   126.45nm          6.1mb
MIM     63.73  50 ePd    21 55.15  -1.2
TGY     63.94 260 eP     22 11.50  13.5X
LVNJ    64.12  57 iPd    21 58.79  -0.1
TXNY    64.15  56 P      21 59.20   0.1
TBR     64.16  56 ePd    21 58.43  -0.8
CVL     64.19  61 iPc    21 59.25  -0.2
ARU     64.21 331 eP+    21 57.00  -2.3
        0.8s   150.00nm          6.1mb
     Z  18s     11.00um          6.1Msz
     N  18s      6.50um
     E  18s      6.50um
                 e       22 10.00
                 e       22 33.00
PNJ     64.36  56 e(P)   21 59.90  -0.6
                 i       22 01.50
                 pP      22 16.30  61kmX
GMTN    64.36  56 iP     22 00.50   0.0
HRV     64.52  53 eP     22 00.81  -0.7
        0.9s   112.45nm          6.0mb
PRM     64.81  66 eP     22 02.46  -1.1
EMM     64.84  49 ePd    22 02.40  -1.2
LMN     65.25  47 ePd    22 06.60   0.4
JSC     65.30  66 eP     22 06.15  -0.5
LHS     65.41  65 iPc    22 06.88  -0.5
KAF     65.65 350 iP     22 06.50  -2.0
        0.7s    30.20nm          5.5mb
CGP     66.07 253 eP     22 10.00  -1.7
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SGS     66.52  66 eP     22 14.61   0.2
                 epP     22 27.91  46kmX
KMI     67.01 282 Pc     22 18.00   0.0
        2.0s   420.00nm          6.2mb
     Z  16s     15.40um          6.3MszX
     N  14s      7.00um
                 pP      22 30.50  43kmX
                 PP      24 44.00
                 S       31 11.00
                 sS      31 28.00
QIZ     67.11 272 eP     22 19.00   0.6
     N  15s      3.13um
     E  17s      2.68um
                 sP      22 33.00
NUR     67.40 350 eP     22 18.10  -1.5
        0.6s    27.00nm          5.5mb
PUL     67.43 347 (P)    22 18.00  -1.9
                 e       24 53.00
                 ePPP    26 30.00
                 e       31 12.00
                 (S)     31 36.00
                 (SS)    35 40.00
                 (SSS)   38 38.00
TLG     67.47 312 eP     22 21.00   0.5
     Z  18s      1.60um          5.3Msz
     N  17s      2.70um
                 e       26 26.00
PRZ     67.59 311 eP     22 22.00   0.6
        1.0s   120.00nm          5.9mb
                 eS      31 35.00
NB2     67.75 358 P      22 20.10  -1.8
        0.8s    15.00nm          5.1mb
HFS     68.57 356 eP     22 24.60  -2.3
        1.0s    45.80nm          5.5mb
UPP     68.64 354 iPc    22 26.60  -0.7
FRU     69.09 313 iPc    22 30.00  -0.5
        2.0s   320.00nm          6.0mb
     Z  18s      5.00um          5.8Msz
     N  18s      3.00um
     E  17s      2.00um
                 i       22 46.00
PMO     69.87 154 eP     22 36.00   0.7
        1.0s    25.00nm          5.2mb
TPT     69.93 153 eP     22 36.00   0.3
        1.0s    25.00nm          5.2mb
MOS     70.07 342 iPc    22 35.00  -1.1
        1.0s   110.00nm          5.9mb
     Z  18s      6.70um          5.9Msz
     N  17s      5.20um
     E  17s      2.30um
                 e       22 47.00
                 e       25 07.00
VAH     70.17 153 eP     22 38.00   0.8
        1.0s    30.00nm          5.3mb
RUV     70.19 153 eP     22 37.00  -0.3
        1.0s    25.00nm          5.2mb
LSA     70.52 293 iPc    22 40.50   0.6
     N  17s      3.79um
                 sP      22 54.00
                 eS      31 53.00
OBN     70.87 342 eP+    22 38.50  -2.5
        1.0s    67.00nm          5.7mb
                 e       22 51.00
                 i       23 01.00
                 ePPP    27 02.00
                 eS      32 00.00
                 iSSS    39 36.00
KSH     71.10 310 P      22 43.50   0.6
        0.8s   200.00nm          6.2mb
     Z  20s      5.00um          5.8Msz
     N  18s      5.40um
     E  16s      9.30um
                 sP      22 57.00
                 S       32 00.00
ELO     72.06   6 ePd    22 47.60  -0.6
        1.0s    29.00nm          5.2mb
EBH     72.30   6 ePd    22 49.40  -0.2
        1.0s    70.00nm          5.6mb
EAB     72.30   6 ePd    22 49.60   0.0
        1.0s    69.00nm          5.6mb
ESY     72.68   5 ePd    22 51.50  -0.3
        1.0s    23.00nm          5.1mb
EAU     72.70   6 ePd    22 52.10   0.1
        0.9s    77.00nm          5.7mb
EBL     72.80   6 ePd    22 52.60   0.1
        1.0s    23.00nm          5.1mb
EKA     73.23   6 Pc     22 55.00   0.0
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24d 12h

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        1.1s   32.10nm          5.2mb
LOE     73.39 277 eP     22 56.50   0.0
                  e      32 09.00
MNK     73.51 347 eP     22 53.00  -3.6X
                  eS     33 00.00
CHG     74.04 280 ePc    23 01.10   0.8
        1.0s   32.50nm          5.3mb
DMU     74.37   8 eP     23 01.80   0.1
        1.0s  139.00nm          5.9mb
GUN     74.87 296 Pd     23 04.80  -0.7
DCN     74.88   9 eP     23 04.60   0.0
        1.0s  116.00nm          5.8mb
DLF     75.00   8 eP     23 05.20  -0.1
        1.0s  162.00nm          6.0mb
BDT     75.20 279 eP     23 06.50  -0.4
        1.0s  158.70nm          6.0mb
KKN     75.30 296 Pd     23 06.80  -1.0
DZM     75.35 199 iPd    23 09.10   1.3
PKI     75.40 296 Pd     23 07.20  -1.3
GKN     75.50 297 Pd     23 07.90  -0.9
DMN     75.54 296 Pd     23 08.40  -0.8
ETA     75.62   8 iPd    23 09.40   0.5
NST     75.69 277 eP     23 13.00   3.2X
ECB     75.90   8 iPd    23 10.20  -0.2
VAL     75.96  11 iP     23 10.10  -0.7
WIT     76.06 360 ePKP   23 13.00   1.7
ECP     76.12   8 iPd    23 12.20   0.5
        1.0s  151.00nm          6.0mb
PCI     76.42 251 ePd    23 15.30   1.4
        1.0s    5.30nm          4.5mb X
                  e      26 56.50
DBN     76.77   1 eP     23 15.00  -0.3
     Z  20s    1.50um           5.3Msz
                  e      23 29.00
                  eSKS   34 00.00
                  eSS    41 52.00
                  eSSS   47 00.00
WTS     76.88 360 ePKP   23 16.00   0.1
        1.0s   15.00nm          5.0mb
                  e      23 26.00
KHT     77.32 278 eP     23 20.00   1.1
CLL     77.42 356 iP     23 18.90   0.0
        1.1s   59.00nm          5.5mb
     Z  17s    1.50um           5.4MszX
                  i      23 31.30
KSP     77.70 354 iPc    23 20.80   0.3
        0.9s   59.00nm          5.6mb
                  i      23 28.00
BRG     77.81 355 iPc    23 19.80  -1.3
        1.0s   80.00nm          5.7mb
                  i      23 21.20
BNS     77.91 360 iPd    23 22.50   0.9
LVV     77.97 349 eP     23 20.00  -2.0
                  e      23 38.00
                  e      26 17.00
                  ePPP   28 15.00
                  eS     33 19.00
                  ePS    33 57.00
OJC     78.03 351 eP     23 22.30   0.0
        1.0s   90.00nm          5.8mb
     Z  18s    2.80um           5.6Msz
UCC     78.06   1 P+     23 21.00  -1.4
ENN     78.11   0 iPKPd  23 23.40   0.7
        1.0s   62.00nm          5.6mb
                  e      23 34.00
MOX     78.14 357 iP     23 23.60   0.7
        1.1s   67.00nm          5.6mb
     Z  19s    1.10um           5.2Msz
     N  18s    1.70um
     E  19s    1.00um
                  e      23 37.00
                  S      33 17.00
NNT     78.29 275 eP     23 43.50  19.2X
SNF     78.35   1 P      23 25.30   1.3
HOF     78.46 357 iPc    23 25.30   0.6
PRU     78.66 355 Pc     23 26.60   0.8
        0.9s   33.80nm          5.4mb
     Z  20s    2.00um           5.4Msz
     N  19s    1.80um
     E  17s    1.60um
                  e      23 35.60
                  e      26 18.00
                  Sn     26 31.50
                  Sg     26 36.50
DOU     78.77   1 Pc     23 26.90   0.6
        1.0s   80.50nm          5.7mb
                  S      33 26.00

GRF     79.11 357 iPc    23 28.60   0.3
        1.0s  134.00nm          5.9mb
     Z  19s    2.00um           5.5Msz
                  ic     23 29.70
UZH     79.34 349 eP     23 30.00   0.5
        1.0s   62.00nm          5.6mb
                  e      23 39.10
                  e      34 10.00
CTA     79.54 218 eP     23 30.80  -0.1
        0.8s   68.28nm          5.7mb
                  i      23 44.70
KHC     79.57 355 P      23 31.00   0.2
        1.0s   46.00nm          5.4mb
     Z  18s    3.10um           5.7Msz
     N  18s    1.40um
     E  18s    0.50um
                  e      23 42.00
                  e      23 48.00
                  e      26 40.50
                  eSg    27 02.00
WET     79.59 356 eP     23 30.60  -0.3
        1.0s   39.00nm          5.4mb
GRO     79.62 332 iP+    23 30.00  -1.0
        1.0s  160.00nm          6.0mb
     Z  18s    2.50um           5.6Msz
     N  20s    5.00um
     E  20s   15.00um
                  e      26 32.00
                  eS     33 30.00
PYA     79.73 334 iPc    23 32.00   0.3
                  i      23 49.00
                  e      26 36.00
                  eS     33 48.00
KAT     79.79 323 iP+    23 33.50   1.5
     Z  16s    8.40um           6.2MszX
     N  16s    8.30um
     E  16s    6.80um
                  e      23 39.00
                  e      26 42.00
                  eS     33 51.00
                  ePS    34 43.00
GEC2    79.85 355 P      23 31.60  -0.8
        0.8s   34.89nm          5.4mb
GEC2    79.85 355 P      23 39.20   6.8X
GEC2    79.85 355 e(P)   23 41.40   9.0X
        0.8s    7.00nm          4.7mb X
GEC2    79.85 355 P      23 45.00  12.6X
KIV     79.91 334 eP     23 32.20  -0.6
                  i      23 48.20
                  e      26 35.60
                  iS     33 34.40
FLN     79.94   5 eP     23 32.00  -0.7
        1.1s   85.45nm          5.7mb
     Z  20s    1.83um           5.4Msz
KIS     80.01 345 iPc+   23 32.00  -1.1
        1.0s  400.00nm          6.4mb
                  i      23 48.00
                  e      26 30.00
                  eS     33 46.00
                  e      34 18.00
MTN     80.01 235 iPc    23 33.00  -0.5
        0.8s  105.00nm          5.9mb
LDF     80.12   4 eP     23 33.00  -0.7
        0.9s   69.10nm          5.7mb
VKA     80.26 353 e(P)   23 35.00   0.5
     Z  16s    1.80um           5.5MszX
                  LR     07 25.00
ZST     80.27 353 eP     23 34.20  -0.3
        0.8s   37.80nm          5.4mb
                  i      23 35.60
GRR     80.29   5 eP     23 34.10  -0.5
        0.9s   68.15nm          5.6mb
ANN     80.38 338 eP     23 35.00  -0.1
        1.0s   40.00nm          5.4mb
                  e      26 36.00
                  eS     33 39.00
CDF     80.46 360 P      23 35.50  -0.1
SRO     80.55 352 iP     23 36.30   0.3
KMR     80.61 355 iP+    23 36.80   0.5
FUR     80.63 357 eP     23 37.30   0.9
LPF     80.63   5 eP     23 36.10  -0.3
        0.9s   59.30nm          5.6mb
VITF    80.66   0 P      23 35.97  -0.6
ECH     80.66 360 P      23 36.28  -0.3
HAU     80.87   0 eP     23 37.50  -0.2
        0.8s   61.80nm          5.7mb
     Z  22s    1.52um           5.3Msz

BAK     81.00 328 iPc    23 39.00   0.6
FEL     81.00 359 P      23 38.08  -0.4
BHG     81.01 356 iPd    23 39.80   1.4
        1.0s   30.00nm          5.2mb
SIM     81.02 341 eP+    23 38.00  -0.5
                  e      33 55.00
SOC     81.03 336 iPc+   23 39.00   0.5
        1.0s  150.00nm          5.9mb
                  e      33 45.00
MOF     81.03 360 P      23 38.00  -0.6
MAIO    81.04 319 eP     23 29.00  -9.9X
        0.9s   39.64nm          5.4mb
                  eSn    34 08.00
BSF     81.05 360 eP     23 38.20  -0.5
        0.9s   58.30nm          5.6mb
SLE     81.10 359 ePd    23 39.70   0.8
SHE     81.18 329 iPc    23 40.50   1.1
        0.8s  220.00nm          6.2mb
ZLA     81.38 359 ePd    23 41.60   1.2
MTA     81.39 332 eP     23 40.00  -0.4
                  i      23 54.40
BBS     81.41 359 P      23 40.48  -0.1
WATA    81.45 357 iPc    23 41.50   0.6
                  i      23 53.80
MOTA    81.46 357 iPc    23 41.70   0.7
        1.0s   81.50nm          5.7mb
VRI     81.46 346 ePd    23 41.50   0.7
WTTA    81.52 357 iPc    23 41.90   0.6
        0.9s   47.60nm          5.5mb
                  ic     23 42.40
LOMF    81.53 360 P      23 41.23   0.0
SQTA    81.58 357 iPc    23 42.60   1.1
        0.9s   55.80nm          5.6mb
LOR     81.58   2 eP     23 41.20  -0.2
        0.9s   54.05nm          5.6mb
     Z  19s    2.30um           5.6Msz
KBA     81.63 355 iPc    23 42.00   0.1
        0.8s  106.00nm          5.9mb
                  ic     23 42.30
                  i      23 58.50
SSF     81.78   2 eP     23 42.30  -0.1
        0.7s   44.75nm          5.6mb
LBF     81.87   2 eP     23 42.50  -0.5
        0.8s   37.35nm          5.5mb
SNG     81.90 271 eP     23 43.50   0.0
                  e      30 08.60
                  eS     33 28.00
OGA     81.94 357 iPc    23 44.40   0.9
        0.8s   34.00nm          5.4mb
MLR     81.95 346 ePd    23 43.00  -0.5
LLS     81.99 358 ePd    23 45.40   1.6
AVF     82.05   2 eP     23 43.60  -0.2
        0.8s   44.85nm          5.6mb
MFF     82.11   5 eP     23 44.10   0.0
        0.9s   75.00nm          5.7mb
FVI     82.14 356 P      23 45.47   1.2
        0.7s   17.60nm          5.2mb
OSS     82.14 358 ePd    23 46.10   1.5
ISR     82.20 346 ePc    23 46.50   1.7
SMF     82.21   2 eP     23 44.50  -0.2
        0.8s   65.80nm          5.7mb
BGF     82.27   3 eP     23 44.80  -0.2
        1.0s   44.00nm          5.5mb
COZ     82.34 347 ePd    23 47.00   1.4
VDL     82.36 358 ePd    23 47.70   2.0
TCF     82.52   3 eP     23 46.10  -0.2
        0.8s   36.65nm          5.5mb
LJU     82.59 354 e(P)   23 47.00   0.3
MAF     82.60   3 eP     23 46.80   0.1
        0.7s   29.75nm          5.5mb
PTJ     82.64 353 eP     23 46.30  -0.8
VOY     82.64 355 eP     23 45.90  -1.2
QIS     82.68 224 e(P)   23 31.00 -16.4X
                  e      23 45.00
ZAG     82.72 353 iP     23 47.50   0.2
CTI     82.73 356 P      23 47.70   0.1
TMA     82.75 358 ePd    23 49.20   1.4
AGO     82.78   2 P      23 47.71   0.0
DIX     82.80 359 ePd    23 50.20   2.1
MMK     82.82 359 ePd    23 50.50   2.3
ERE     82.88 332 iP+    23 54.00   5.6X
     Z  20s    1.30um           5.3Msz
PLDF    82.88   2 P      23 48.79   0.5
CEY     82.90 354 eP     23 48.40   0.1
QUE     82.92 311 eP     23 49.60   0.7
        1.0s  110.00nm          5.9mb
                  eS     34 09.40
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GRS 82.94 330 eP+ 23 48.00 -0.8
1.2s 80.00nm 5.7mb
e 27 00.00
eS 34 04.00
TRI 82.97 355 e(P) 23 46.00 -2.6
i(PP) 27 10.00
e(SP) 35 12.00
e(SS) 43 20.00
VAI 82.99 358 P 23 49.00 0.3
PYM 83.08 3 P 23 49.43 0.1
VBY 83.08 354 iPc 23 49.70 0.5
e(sP) 24 03.00
RSL 83.19 360 P 23 51.04 1.0
SAL 83.21 357 P 23 50.80 1.0
ORO 83.25 359 P 23 51.70 1.5
RIY 83.30 354 eP 23 50.60 0.3
BEO 83.31 350 eP 23 50.50 0.1
LPL 83.36 360 eP 23 51.70 0.7
0.9s 20.00nm 5.2mb
LPG 83.38 360 eP 23 52.10 1.0
1.0s 46.20nm 5.6mb
LSD 83.42 360 P 23 52.60 1.3
RJF 83.48 4 eP 23 50.90 -0.4
0.9s 29.65nm 5.4mb
Z 20s 1.65um 5.4Msz
LBL 83.61 2 P 23 51.77 -0.2
IPM 83.66 269 ePc 23 53.20 0.6
RSP 83.73 359 P 23 53.73 1.1
LFF 83.81 4 eP 23 53.10 0.2
0.9s 82.25nm 5.9mb
BNI 83.83 360 P 23 55.20 2.0
CAF 83.88 3 eP 23 53.50 0.2
1.0s 37.80nm 5.5mb
BOB 84.08 358 P 23 55.10 0.7
LPO 84.08 4 eP 23 54.40 0.1
1.0s 55.00nm 5.7mb
KGM 84.21 266 ePd 23 57.10 1.7
KVT 84.28 338 iP 23 56.00 0.5
PCP 84.32 359 P 23 55.47 -0.1
PZZ 84.37 360 P 23 56.91 0.9
DOI 84.37 360 P 23 56.10 0.2
CKI 84.44 359 P 23 57.10 1.0
RMQ 84.47 213 eP 23 57.00 0.7
0.7s 33.00nm 5.6mb
WB2 84.51 228 iPd 23 55.10 -1.6
0.8s 11.20nm 5.1mb
i 24 09.90
WRA 84.51 228 P 23 51.29 -5.4X
KAS 84.52 340 eP 23 58.00 1.3
ROB 84.58 359 P 23 56.91 0.0
MME 84.62 357 P 23 58.47 1.1
1.4s 146.50nm 6.0mb
STV 84.63 359 P 23 56.91 -0.3
ENR 84.65 359 P 23 56.80 -0.5
FIN 84.66 359 P 23 55.47 -1.8
EMON 84.68 10 iP 23 58.40 1.0
BDI 84.75 357 P 23 58.00 0.2
SFI 84.85 356 P 24 00.10 2.0
PLE 84.89 351 iPc 23 59.03 0.5
PGD 84.90 356 P 23 59.86 1.2
1.0s 132.40nm 6.1mb
IMI 84.96 359 P 23 58.14 -0.7
SBF 85.01 359 eP 23 59.20 0.1
0.9s 93.35nm 6.0mb
FIR 85.01 357 eP 24 00.00 1.0
iS 34 14.00
STS 85.08 11 iP 24 00.50 1.1
PGB 85.09 347 iPd 24 00.00 0.5
PII 85.10 357 P 23 59.80 0.4
CRE 85.14 356 P 24 01.30 1.5
VTS 85.18 348 eP 24 00.00 -0.1
CDR 85.20 1 iPc 24 00.80 0.8
ARV 85.22 355 P 24 01.30 1.2
IVA 85.30 350 iPc 24 01.31 0.8
HVAR 85.31 353 iP 24 00.30 -0.2
DIM 85.38 346 iPc 24 02.00 1.2
BRY 85.40 351 iPc 24 00.23 -0.9
LRG 85.43 0 eP 24 01.60 0.6
1.0s 81.20nm 5.9mb
Z 20s 1.48um 5.4Msz
PLD 85.45 347 iPc 24 02.00 0.8
NKY 85.45 351 iPc 24 01.11 -0.2
LMR 85.55 0 eP 24 02.10 0.4
1.1s 134.80nm 6.1mb
PVY 85.56 350 iPc 24 02.93 1.0
ASS 85.66 356 P 24 03.10 0.8
EPF 85.69 5 eP 24 02.00 -0.5
0.9s 26.85nm 5.5mb
ERUA 85.73 10 iP 24 04.50 1.8
CTT 85.78 344 eP 24 02.70 -0.2
KDZ 85.78 346 iPc 24 04.00 1.1
TTG 85.80 351 iPc 24 03.41 0.5
RZN 85.85 346 iP 24 03.00 -0.5
HCY 85.86 351 iPc 24 02.70 -0.6
ECRI 85.94 7 eP 24 05.60 1.8
BDV 85.99 351 iPc 24 03.58 -0.3
SKO 86.01 349 eP 24 04.00 0.0
1.0s 232.00nm 6.4mb
Z 17s 2.05um 5.6MszX
i 24 05.20
i 24 19.00
i 24 22.00
i 27 00.00
i 34 45.00
i 35 54.00
i 40 46.00
i 44 18.00
i 46 52.00
LR 10 16.00
KKS 86.03 350 eP 24 04.50 0.4
MMB 86.09 347 iPd 24 05.00 0.5
PUK 86.12 350 eP 24 03.60 -0.9
SDA 86.18 350 iPc 24 10.00 5.2X
OLP 86.19 217 eP 24 06.00 1.1
BBTK 86.20 340 iP 24 08.00 2.8
ULC 86.26 351 iPc 24 05.12 -0.2
PGF 86.31 358 eP 24 05.60 0.0
1.0s 140.80nm 6.1mb
AQU 86.34 355 P 24 07.10 1.4
MAO 86.38 357 P 24 06.20 0.4
EGRA 86.49 5 eP 24 08.00 1.7
VAY 86.51 348 iP 24 06.40 -0.1
1.2s 363.00nm 6.5mb
i 24 07.00
i 24 09.50
e 28 29.50
AZI 86.70 355 P 24 08.30 1.0
TIR 86.81 350 eP 24 08.00 0.1
OHR 86.93 349 iPc 24 09.20 0.5
0.9s 186.00nm 6.3mb
i 24 16.70
i 24 47.70
SDI 86.96 355 P 24 08.40 -0.3
DUI 86.96 354 P 24 09.90 1.1
ARMA 87.17 210 eP 24 10.00 0.3
i 24 13.40
HYB 87.26 295 eP 24 10.50 0.0
1.0s 140.00nm 6.2mb
e 24 25.00
RFI 87.35 354 P 24 12.79 2.3
1.2s 133.20nm 6.1mb
EZN 87.42 345 eP 24 10.60 -0.3
BRT 87.53 352 P 24 12.18 0.7
0.8s 87.40nm 6.1mb
KZN 87.61 348 eP 24 22.00 10.0X
VLO 87.71 350 eP 24 11.00 -1.3
GUD 87.76 8 eP 24 14.00 1.3
TPE 87.83 350 eP 24 13.40 0.5
EBR 87.91 5 eP 24 15.00 1.8
LSK 87.91 349 eP 24 14.20 0.8
ASPA 87.93 227 iPd 24 13.30 -0.1
0.9s 36.50nm 5.7mb
Z 20s 4.60um 5.9Msz
e 24 26.60
PRK 88.00 345 eP 24 12.00 -1.7
SGO 88.00 353 P 24 14.10 0.4
LCI 88.00 351 P 24 14.98 1.3
0.1s 17.10nm 6.3mb
EPLA 88.15 10 eP 24 15.40 0.9
MGR 88.40 353 P 24 15.30 -0.3
ORI 88.40 352 P 24 17.00 1.3
KEK 88.43 350 eP 24 16.00 0.2
TOL 88.53 8 iPd 24 17.40 1.1
1.0s 40.00nm 5.7mb
ePP 27 32.00
eS 35 03.00
CSI 88.70 353 P 24 18.40 1.3
TDS 88.82 352 P 24 18.10 0.5
ROI 88.88 352 P 24 18.70 0.7
POO 88.99 299 iPc 24 20.00 1.2
ECHE 89.05 6 eP 24 19.30 0.5
CZI 89.27 353 P 24 19.20 -0.6
ATH 89.64 347 eP 24 20.50 -1.1
GRI 89.64 352 P 24 22.20 0.6
0.8s 89.60nm 6.1mb
VLS 89.85 349 eP 24 22.00 -0.6
EVIA 89.89 7 eP 24 23.90 1.0
CMS 90.06 214 eP 24 25.00 1.7
i 24 38.00
EBAN 90.25 8 eP 24 25.00 0.6
SOI 90.41 353 P 24 24.50 -0.6
EHOR 90.45 9 iP 24 26.20 0.9
EVAL 90.53 11 eP 24 26.00 0.3
CSS 90.75 338 eP 24 27.20 0.4
TOV 90.78 73 eP 24 33.00 5.8X
SDV 90.99 75 eP 24 26.30 -2.0
VLI 90.99 347 eP 24 25.50 -2.3
BHL 91.20 336 P 24 26.00 -2.9
PP 28 16.00
SKS 35 00.00
EGUA 91.59 8 eP 24 31.50 0.9
HRI 91.78 336 eP 24 32.00 0.4
EJIF 91.79 10 eP 24 32.80 1.3
BWA 91.88 211 eP 24 33.10 1.5
e 24 46.00
STK 91.95 217 iPd 24 32.20 0.2
0.9s 9.00nm 5.2mb
i 24 46.30
NPS 92.00 344 eP 24 31.00 -1.5
CAN 92.52 210 eP 24 38.50 3.9X
e 24 51.60
NKM 92.79 10 iPd 24 37.00 0.9
HMDT 92.79 336 eP 24 36.20 0.0
KOD 93.64 291 eP 24 41.20 0.6
eS 33 28.00
AVE 94.68 12 eP 24 45.50 0.6
IFR 94.73 10 iP 24 46.00 0.7
SAGI 94.95 336 eP 24 46.30 0.1
TIO 97.03 12 iPd 24 56.50 0.7
ZOBO 112.09 89 ePKP 29 44.00 -16.4X
Z 20s 0.38um 5.0Msz
LR 40 24.00
LPB 112.30 89 (PKP) 30 11.00 10.5X
CNCB 112.58 89 PKP 30 01.00 -0.2
TIC 121.24 13 PKP 30 17.00 -0.2
KIC 121.56 13 PKP 30 17.40 -0.4
LIC 121.65 14 PKP 30 17.00 -0.9
BCAO 123.35 346 iPKPc 30 21.10 -0.1
0.3s 10.00nm
ITR 123.72 57 (PKP) 30 22.00 0.0
PDCR 126.49 60 (PKP) 30 26.00 -1.3
SPA 141.31 180 ePKP 30 48.70 -5.0X
0.8s 16.67nm
Z 20s 1.17um 5.6Msz
BUL 144.24 323 iPKPc 30 58.10 -2.1X
1.1s 167.72nm
ipP 31 05.00
i 31 13.40
MAW 148.63 218 iPKPd 31 09.80 4.0X
1.0s 79.00nm
MAW 148.63 218 iPKP 31 23.80 18.0X
1.0s 83.00nm
SLR 149.41 319 ePKP 31 13.00 4.5X
0.8s 41.04nm
Z 22s 2.96um 6.0Msz
WIN 149.98 340 iPKPc 31 15.20 5.7X
0.8s 33.58nm
Z 22s 5.19um 6.3Msz
PRY 150.80 319 iPKPc 31 16.80 6.2X
1.0s 35.00nm
BLF 153.25 319 iPKPc 31 21.00 7.0X
0.8s 25.00nm
FRS 154.16 320 ePKP 31 26.20 11.2X
0.6s 13.33nm
SNA 160.68 171 e(PKP)31 22.00 0.3
0.9s 55.46nm
S.D. = 1.0 on 444 of 487 obs.

JUN 24, 1992 12h 27m 11.21± 0.29s
5.311 S ± 5.7km 102.974 E ± 5.9km
DEPTH = 46.6km (15 depth phases)
5.4mb (33 obs.) 5.7Msz (6 obs.)
SOUTHERN SUMATERA, INDONESIA (274)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 43C
Centroid Location:
Origin Time 12:27:14.8 0.7
Lat 5.79S 0.05 Lon 103.04E 0.08
Dep 43.4 4.9 Half-duration 2.9
Moment Tensor; Scale 10**17 Nm

24d 12h

Mrr= 1.56 0.19 Mtt=-1.74 0.17
Mff= 0.19 0.30 Mrt= 2.19 0.32
Mrf=-1.90 0.28 Mtf= 1.31 0.21
Principal Axes:
T Val= 3.19 Plg=60 Azm= 58
N 0.71 11 307
P -3.89 28 211
Best Double Couple:Mo=3.5*10**17
NP1:Strike=274 Dip=20 Slip= 55
NP2: 131 74 102
KGM 7.29 3 ePd 29 01.30 3.5X
0.9s 148.30nm 5.8mb X
e 29 11.80
e 31 18.90
KLM 8.46 351 eP 29 19.00 4.9X
e 31 47.00
IPM 10.02 349 ePc 29 37.10 1.6
0.8s 32.30nm 5.5mb X
e 30 58.80
KKM 17.38 50 ePc 31 12.70 0.5
PCI 17.39 76 ePc 31 17.90 5.6X
0.7s 13.60nm 4.2mb X
e 37 42.70
WSI 17.71 105 ePd 31 10.50 -5.7X
eS 34 45.40
e 38 21.80
KHT 20.43 348 iPd 31 46.30 -1.1
KUG 21.00 104 eP 31 55.00 1.9
e 35 11.00
e 35 45.00
NST 21.04 352 iPd 31 54.00 0.5
MNI 22.85 74 eP 32 10.70 -0.9
CHG 24.30 351 ePc 32 26.00 0.3
0.8s 110.63nm 5.4mb
eS 36 36.00
OIZ 25.12 15 eP 32 35.00 1.6
1.2s 130.00nm 5.3mb
N 19s 4.59um
E 19s 4.91um
CGP 25.62 58 eP 32 40.00 1.8
PGP 25.85 44 eP 32 47.00 6.7X
TGY 26.26 43 eP 32 47.00 2.9X
BIP 26.83 60 eP 32 51.00 1.7
KNA 27.36 114 eP 32 52.00 -2.2
MTN 28.77 107 eP 33 05.50 -1.4
KMI 30.25 360 Pd 33 21.50 1.2
1.0s 90.00nm 5.5mb
pP 33 34.00 48km
WARB 30.70 135 eP 33 22.00 -2.1
GYA 31.78 6 P 33 33.80 0.1
HYB 33.04 314 eP 33 43.50 -1.1
WB2 33.80 118 eP 33 46.10 -5.2X
0.6s 22.40nm 5.3mb
i 33 50.00 13kmX
eS 39 14.40
ASPA 34.93 125 iPc 33 58.70 -2.2
1.0s 30.40nm 5.2mb
eS 39 24.70
CD2 36.02 1 P 34 09.20 -0.8
1.0s 60.00nm 5.5mb
LSA 36.61 343 P 34 16.00 0.5
N 15s 6.00um
eS 39 55.00
PKI 36.83 333 P 34 16.00 -1.2
GUN 36.92 334 P 34 16.70 -1.3
DMN 37.00 333 P 34 17.40 -1.2
KKN 37.08 333 P 34 18.00 -1.2
POO 37.23 310 eP 34 23.50 3.2X
WHN 37.28 16 eP 34 22.00 1.5
1.0s 18.00nm 4.9mb
GKN 37.55 333 P 34 22.20 -0.9
OIS 38.65 116 eP 34 31.00 -1.3
XAN 39.54 8 iPc 34 39.00 -0.5
0.9s 64.00nm 5.4mb
NJ2 40.12 21 eP 34 45.00 0.8
SSE 40.17 25 P 34 47.00 2.4
1.5s 61.00nm 5.2mb
pP 34 58.00 39km
LZH 41.19 1 Pc 34 53.50 0.4
1.5s 110.00nm 5.4mb
Z 17s 8.74um 5.7MszX
N 15s 5.34um
E 15s 4.81um
pP 35 02.50 30kmX
sP 35 07.00
PcP 36 54.00
ScP 40 38.50
PcS 40 45.00
eS 41 06.50
ScS 44 55.00
TIA 43.38 17 eP 35 10.90 0.0
1.0s 21.00nm 4.8mb
TIY 43.70 11 Pc 35 14.00 0.5
Z 20s 16.40um 5.9Msz
N 17s 13.50um
S 41 41.00
PMG 43.98 98 iPc 35 15.00 -1.1
0.8s 104.48nm 5.6mb
ADE 44.25 137 eP 35 17.00 -1.1
CTA 44.54 113 iPc 35 22.00 1.4
0.8s 113.81nm 5.7mb
GTA 44.59 357 iPc 35 21.00 0.2
1.5s 150.00nm 5.6mb
pP 35 32.50 41km
OLP 44.67 123 eP 35 23.00 1.5
STK 44.75 131 iPc 35 21.30 -0.8
0.7s 19.70nm 5.0mb
i 35 35.00 52km
eS 41 53.80
GUMO 45.63 65 eP 35 28.70 -0.5
PJG 45.63 65 eP 35 28.30 -0.9
BTO 46.14 7 P 35 33.50 0.5
1.6s 99.00nm 5.5mb
pP 35 46.00 46km
HHC 46.61 9 P 35 38.40 1.7
1.2s 120.00nm 5.7mb
Z 19s 10.80um 5.8Msz
N 18s 6.94um
E 15s 2.16um
BJI 46.74 14 eP 35 36.50 -1.1
1.5s 160.00nm 5.7mb
Z 18s 4.13um 5.4Msz
N 16s 4.66um
pP 35 46.00 32kmX
CMS 47.82 128 eP 35 48.00 1.6
RMO 48.46 121 eP 35 52.00 0.6
0.4s 12.00nm 5.3mb
OUE 49.36 318 eP 35 58.90 0.4
TOO 50.28 136 e(P) 36 07.00 1.8
WMO 50.81 346 iPc 36 09.20 0.0
1.0s 14.00nm 4.9mb
Z 18s 5.08um 5.6Msz
N 15s 2.71um
pP 36 23.00 51km
sP 36 31.00
PcP 37 20.20
PP 38 09.60
ScP 41 18.80
PcS 41 23.00
S 43 24.00
ScS 45 55.00
SS 46 49.00
BWA 51.00 131 eP 36 12.90 2.1
epP 36 23.60 37km
KSH 51.04 333 P 36 12.00 1.0
Z 20s 4.98um 5.5Msz
E 18s 8.90um
S 43 28.00
CAN 51.81 132 eP 36 19.10 2.2
ipP 36 29.50 35kmX
ARMA 52.08 125 iPd 36 21.20 2.1
1.0s 50.00nm 5.5mb
i 36 33.00 42km
MTMJ 52.89 35 P 36 23.70 -1.3
CN2 52.93 20 Pc 36 23.60 -1.4
1.4s 190.00nm 5.9mb
Z 16s 5.01um 5.7MszX
N 14s 2.44um
E 14s 7.18um
epP 36 36.00 44km
MAT 53.09 36 (P) 36 25.00 -1.4
1.3s 50.00nm 5.4mb
CHJJ 53.22 37 eP 36 24.00 -3.2X
MDJ 55.15 23 eP 36 37.50 -3.8X
YAMJ 55.27 35 eP 36 41.20 -1.1
OFUJ 56.83 36 eP 36 52.80 -0.6
IRK 57.37 1 ePc 36 56.00 -1.0
2.0s 47.00nm 5.2mb
e 37 11.00 55km
e 37 28.00
MAIO 58.03 319 iPc 37 00.80 -1.2
1.4s 25.96nm 5.2mb
MRRJ 58.77 32 eP 37 04.90 -2.1
HOOJ 59.95 34 eP 37 14.20 -0.8
ASAJ 60.77 32 eP 37 19.80 -0.9
KUSJ 61.21 34 eP 37 22.60 -1.0
DZM 63.45 112 iPc 37 41.10 2.0
YAK 70.22 13 iPc 38 19.70 -1.4
1.1s 170.00nm 5.9mb
i 38 34.00 51km
BUL 73.52 251 iPd 38 52.00 10.3X
1.0s 5.50nm
CSS 76.58 308 eP 38 59.00 0.2
ISR 84.24 316 ePd 39 42.00 2.7X
VRI 84.28 317 ePd 39 40.50 1.0
SPA 84.72 180 eP 39 40.20 -1.3
1.2s 19.72nm 5.1mb
PTT 84.76 318 eP 39 43.00 1.2
RZN 84.79 313 iPc 39 42.00 -0.3
PLD 84.88 313 eP 39 44.00 1.5
PGB 85.36 313 eP 39 46.00 1.0
MMB 85.49 312 eP 39 46.00 0.3
VTS 86.06 313 eP 39 47.00 -1.6
VAY 86.30 312 iP 39 49.60 0.0
OHR 87.58 311 ePd 39 55.50 -0.4
KAF 88.46 333 iP 40 00.00 0.4
0.7s 10.70nm 5.2mb
NUR 88.86 331 eP 40 01.50 0.0
OJC 89.68 320 ePc 40 06.80 1.2
1.6s 85.00nm 5.8mb
e 40 22.50 54km
KEV 90.12 340 eP 40 20.00 12.7X
SRO 90.31 318 eP 40 09.20 0.6
ZST 91.17 318 eP 40 13.10 0.6
e(PP) 44 05.80
ZAG 91.67 316 eP 40 16.00 1.2
PTJ 91.70 316 eP 40 15.70 0.6
KSP 91.98 321 eP 40 17.50 1.3
e 43 58.00
LJU 92.70 316 e(P) 40 20.00 0.4
PRU 93.02 320 eP 40 21.00 0.0
e 40 34.50 45km
e 44 02.50
VOY 93.14 316 e(P) 40 20.00 -1.8
BRG 93.46 321 iPd 40 24.70 1.7
1.5s 25.00nm 5.4mb
e 40 38.30 45km
GEC2 93.48 319 PKP 40 23.00 -0.3
1.0s 4.81nm 4.9mb
KHC 93.58 319 eP 40 25.00 1.4
e 40 36.00 35kmX
e 44 04.50
CLL 94.09 321 eP 40 26.00 0.2
1.5s 17.00nm 5.3mb
HFS 94.21 330 eP 40 26.20 0.0
1.2s 25.60nm 5.5mb
GRF 95.15 319 ePKP 40 32.00 1.2
e 40 46.80 50km
PNT 123.32 32 ePKP 46 06.00 1.3
SES 126.79 27 ePKP 46 11.00 -0.5
BAO 144.51 234 PKPd 46 44.00 -1.3
e 46 55.00
OCO 144.52 29 iPKPd 46 43.80 -0.9
MEO 144.54 31 iPKPd 46 43.20 -1.6
FNO 144.76 30 iPKPc 46 44.10 -1.0
SIO 144.89 28 ePKP 46 43.50 -1.8
TUL 144.99 27 ePKP 46 43.70 -1.8
1.4s 125.70nm
e 47 00.40
UYO 147.05 27 e(PKP)46 51.50 2.6X
SIV 153.59 216 (PKP) 47 07.00 7.7X
i 47 20.00
CNCB 156.27 202 PKP 47 17.00 13.4X
LPB 156.57 202 ePKP 47 19.00 15.2X
Z 22s 1.48um 5.8Msz
LR 07 06.00
ZOBO 156.81 202 ePKP 47 07.00 2.6X
LR 06 40.00
S.D. = 1.2 on 101 of 119 obs.

• JUN 24, 1992 12h 51m 03.55± 1.47s
43.557 N ±16.3km 6.474 E ± 5.9km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
CDR 0.53 283 ePg 51 14.30 0.1
e(Sg) 51 20.80
STV 0.92 42 P 51 20.43 -0.8
ENR 0.96 45 P 51 22.41 0.6
PZZ 1.05 25 P 51 23.87 0.4

S 51 38.53
IMI 1.09 71 P 51 23.51 -0.5
S 51 38.64
ROB 1.25 53 P 51 27.46 0.7
S 51 44.69
FIN 1.41 62 P 51 29.72 0.4
S 51 48.00
RSP 1.69 19 P 51 32.74 -0.6
S 51 59.92
PCP 1.79 56 P 51 34.54 -0.2
S 52 00.18
S.D. = 0.6 on 9 of 9 obs.

JUN 24, 1992 13h 29m 56.80± 0.43s
7.381 N ± 7.1km 136.943 E ± 5.6km
DEPTH = 33.0km (normal)
4.9mb (15 obs.) 4.3Msz (2 obs.)
WESTERN CAROLINE ISLANDS (209)

GUMO 9.93 51 eP 32 20.30 -0.1
PJG 9.94 51 eP 32 20.50 0.1
GUA 9.94 51 eP 32 21.20 0.7
CGP 12.18 276 eP 32 52.50 1.5
1.5s 67.00nm 5.6mb X
PCI 18.95 245 e(P)c 34 29.00 11.1X
e 36 12.00
WB2 27.27 185 eP 35 40.70 0.4
0.9s 3.70nm 4.0mb
MAT 29.05 2 (P) 35 50.00 -6.2X
0.7s 6.85nm 4.5mb
ASPA 31.00 185 eP 36 13.70 0.0
0.9s 4.40nm 4.3mb
Z 19s 0.50um 4.2Msz
TIA 33.93 331 eP 36 39.10 0.0
GYA 34.47 307 P 36 45.00 0.9
SNY 36.29 343 Pc 37 00.00 0.9
1.2s 22.00nm 4.9mb
XAN 37.04 320 eP 37 05.00 -0.6
BJI 37.46 333 eP 37 09.00 0.0
1.2s 20.00nm 4.9mb
TIY 37.49 327 eP 37 09.70 0.3
CN2 37.65 346 eP 37 09.90 -0.6
0.6s 7.80nm 4.7mb
epP 37 20.00 35kmX
CD2 38.86 311 P 37 21.60 0.6
1.0s 60.00nm 5.3mb
HHC 40.28 330 eP 37 33.20 0.6
1.0s 12.00nm 4.6mb
BTO 40.88 328 eP 37 37.50 0.0
LZH 41.59 318 eP 37 44.00 0.4
1.5s 43.00nm 5.0mb
Z 18s 0.49um 4.4Msz
pP 37 55.00 39kmX
GTA 46.11 320 Pc 38 20.50 0.6
1.0s 14.00nm 4.9mb
GUN 52.33 300 P 39 07.40 -1.0
PKI 52.67 299 P 39 09.40 -1.5
KKN 52.83 299 P 39 10.30 -1.6
1.0s 32.00nm 5.2mb
DMN 52.94 299 P 39 11.80 -1.0
GKN 53.43 299 P 39 15.10 -1.2
YAK 54.78 356 iPd 39 24.70 -0.8
1.3s 31.00nm 5.2mb
WMQ 56.17 319 P 39 35.20 -0.7
1.0s 14.00nm 4.9mb
pP 39 42.50 24kmX
HYB 57.70 286 eP 39 48.00 0.9
QUE 69.04 299 eP 41 02.70 0.7
MAIO 75.56 305 eP 41 41.00 0.6
MBC 86.12 13 eP 42 36.00 0.7
1.0s 13.00nm 5.1mb
YKA 91.88 26 eP 43 02.80 0.0
0.8s 3.10nm 4.8mb
CNCB 153.92 113 PKP 49 58.00 10.3X
ZOBO 153.94 112 PKP 49 46.90 -0.9
S.D. = 0.8 on 31 of 34 obs.

% JUN 24, 1992 13h 37m 47.83± 0.57s
37.606 S ± 5.9km 176.890 E ± 4.1km
DEPTH = 30.7 ± 4.6 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.8 (WEL).

WIZ 0.25 72 P 37 54.70 0.0
TAZ 0.69 206 P 38 00.90 -0.4
UTU 0.79 224 P 38 03.40 0.6
PATZ 0.92 213 P 38 04.70 0.0
WLZ 1.06 257 eP 38 06.50 -0.1
HBZ 1.12 90 eP 38 07.50 0.1
PUZ 1.18 114 P 38 07.90 -0.4
eS 38 22.90
PAHZ 1.26 174 eP 38 08.60 -0.8
NOZ 1.36 139 P 38 11.50 0.7
MOZ 1.88 241 eP 38 18.40 0.1
TTH 1.93 181 P 38 19.70 0.6
WAHZ 2.13 191 P 38 22.10 0.1
WCZ 2.63 308 eP 38 29.10 0.0
MNG 3.20 200 eP 38 36.90 -0.3
S.D. = 0.5 on 14 of 14 obs.

JUN 24, 1992 14h 01m 44.72± 0.30s
51.480 N ± 6.8km 173.491 W ± 3.5km
DEPTH = 33.0km (normal)
4.7mb (38 obs.) 4.5Msz (1 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 2.03 283 eP 02 17.05 -0.2
SMY 7.74 284 eP 03 40.20 2.3
SDN 8.67 58 eP 03 51.53 0.8
KDC 13.66 54 eP 04 59.03 0.9
SVW 13.79 39 eP 05 00.98 1.1
ANM 13.79 15 eP 05 01.41 1.5
REF 14.66 44 (P) 05 12.98 1.5
TTA 14.81 33 eP 05 14.71 1.4
1.1s 77.56nm 5.0mb X
SLKM 15.77 46 eP 05 25.37 -0.3
PMS 16.37 44 eP 05 34.70 1.3
PMR 16.71 43 eP 05 38.06 0.5
0.7s 5.10nm 3.8mb
IMA 17.74 27 eP 05 50.88 0.4
0.9s 7.78nm 3.8mb
KLU 18.08 46 eP 05 53.52 -1.2
TOA 18.20 44 eP 05 54.90 -1.3
FBA 18.89 35 eP 06 01.94 -2.6X
0.9s 24.44nm 4.4mb
BALM 19.58 49 eP 06 08.01 -4.7X
BRW 21.29 15 eP 06 28.87 -1.2
KUSJ 29.22 270 eP 07 43.30 -2.0
ASAJ 30.00 273 eP 07 53.20 1.0
MBC 32.29 21 eP 08 11.50 -0.5
0.9s 5.00nm 4.4mb
GMW 32.62 77 (P) 08 13.02 -2.1
YKA 32.74 47 eP 08 15.10 -0.9
0.9s 3.90nm 4.3mb
LBFM 36.29 85 eP 08 47.62 0.6
MAT 37.10 265 eP 08 53.00 -0.6
0.9s 12.60nm 4.8mb
SES 38.31 66 ePc 09 03.60 0.0
ARN 38.88 90 eP 09 08.45 -0.1
e 09 26.32
BONR 40.52 87 eP 09 23.47 1.0
BCH 41.15 92 (P) 09 29.17 1.8
HVU 41.69 79 (P) 09 33.35 1.5
DUG 42.59 81 (P) 09 39.80 0.6
1.0s 6.47nm 4.3mb
DAU 43.42 79 eP 09 46.90 0.8
FCC 43.45 48 ePd 09 47.00 1.3
ARUT 43.66 84 eP 09 48.81 0.9
PEC 43.82 91 (P) 09 48.67 -0.4
MSU 44.00 82 eP 09 51.27 0.5
PLM 44.36 91 eP 09 53.96 0.3
SRU 44.65 80 eP 09 56.41 0.4
RSSD 45.62 71 (P) 10 01.59 -2.1
0.6s 2.03nm 4.2mb
ULM 46.81 59 ePd 10 14.00 1.3
GOL 47.45 76 eP 10 18.13 -0.1
0.9s 12.80nm 4.9mb
BJI 48.58 285 eP 10 26.00 -0.6
1.0s 13.00nm 4.9mb
SSE 51.32 273 Pd 10 49.80 2.2
1.0s 27.00nm 5.2mb
CCM 56.93 69 eP 11 27.25 -1.6
0.7s 1.58nm 4.2mb
FVM 57.46 69 eP 11 30.75 -1.8
0.8s 17.92nm 5.2mb
EEO 57.83 54 ePd 11 35.70 0.6
LZH 58.52 290 iPc 11 40.00 -0.2
1.2s 53.00nm 5.5mb
pP 11 53.50 49kmX
OLY 58.53 71 eP 11 38.46 -1.6
PWLA 60.90 70 eP 11 55.07 -1.3
GBTN 62.65 66 eP 12 07.23 -0.9
BNH 63.18 51 eP 12 10.46 -1.0
LVNJ 64.15 56 eP 12 17.24 -0.6
CVL 64.22 61 eP 12 18.63 0.3
PRM 64.85 66 eP 12 22.05 -0.4
LMN 65.29 47 ePd 12 26.00 0.8
JSC 65.34 66 eP 12 25.12 -0.5
LHS 65.45 65 eP 12 25.86 -0.4
KMI 66.98 282 Pd 12 38.60 2.1
1.0s 50.00nm 5.6mb
pP 12 47.50 28kmX
NUR 67.41 350 eP 12 37.00 -1.4
NB2 67.77 358 P 12 38.80 -1.9
0.7s 1.70nm 4.3mb
HFS 68.59 356 eP 12 43.40 -2.4
0.4s 2.30nm 4.6mb
CHG 74.02 280 eP 13 20.10 1.2
GUN 74.86 296 Pc 13 23.00 -1.1
KKN 75.29 296 Pc 13 25.60 -0.8
PKI 75.38 296 Pc 13 25.80 -1.3
GKN 75.48 297 Pc 13 26.60 -0.8
DMN 75.52 296 Pc 13 27.00 -0.8
CLL 77.44 356 iPc 13 37.20 -0.5
1.0s 10.00nm 4.8mb
KSP 77.72 354 eP 13 38.50 -0.8
BRG 77.83 355 iP 13 39.00 -0.9
1.0s 12.00nm 4.9mb
OJC 78.05 351 eP 13 40.90 -0.2
MOX 78.16 357 iP 13 41.80 0.1
1.3s 17.00nm 4.9mb
PRU 78.68 355 eP 13 44.00 -0.6
e 14 06.00
GRF 79.13 357 iPc 13 47.80 0.7
1.2s 34.00nm 5.2mb
Z 19s 0.20um 4.5Msz
KHC 79.59 355 P 13 49.90 0.3
1.1s 7.50nm 4.6mb
e 14 22.00
GEC2 79.87 355 P 13 49.20 -2.0
0.8s 3.49nm 4.4mb
FLN 79.96 5 eP 13 51.10 -0.4
LDF 80.15 4 eP 13 52.00 -0.5
ZST 80.29 353 eP 13 53.30 0.0
GRR 80.31 5 eP 13 52.20 -1.2
CDF 80.49 359 eP 13 54.40 -0.1
MAIO 81.04 319 iPc 13 58.00 0.4
BSF 81.07 360 eP 13 57.50 -0.1
LOR 81.61 2 eP 14 00.30 0.0
0.7s 5.30nm 4.7mb
KBA 81.65 355 iPc 14 01.30 0.6
1.1s 27.10nm 5.2mb
SSF 81.81 2 eP 14 01.40 0.1
0.7s 5.50nm 4.7mb
LBF 81.89 2 eP 14 01.60 -0.2
0.6s 3.05nm 4.5mb
MLR 81.96 346 eP 14 04.00 1.7
AVF 82.07 2 eP 14 02.70 0.0
0.7s 3.30nm 4.5mb
SMF 82.23 2 eP 14 03.60 0.1
1.0s 13.40nm 4.9mb
TCF 82.54 3 eP 14 04.40 -0.8
0.6s 2.70nm 4.5mb
LSF 82.56 3 eP 14 05.20 0.0
0.8s 10.05nm 4.9mb
MAF 82.62 3 eP 14 05.90 0.3
0.6s 2.80nm 4.5mb
QUE 82.92 311 eP 14 08.60 1.0
1.0s 36.00nm 5.4mb
e 14 22.00
RJF 83.50 4 eP 14 10.10 0.0
LFF 83.83 4 eP 14 12.20 0.4
0.9s 16.40nm 5.2mb
LPO 84.11 4 eP 14 13.70 0.5
WB2 84.47 228 eP 14 12.30 -2.9X
0.8s 2.20nm 4.4mb
SBF 85.04 359 eP 14 18.30 0.4
0.8s 16.10nm 5.3mb
FRF 85.34 360 eP 14 19.80 0.4
LMR 85.57 0 eP 14 22.10 1.6
0.8s 8.60nm 5.0mb
SKO 86.02 349 iP 14 24.00 1.2
1.0s 53.00nm 5.7mb X
VAY 86.52 348 iP 14 26.00 0.7
OHR 86.95 349 eP 14 27.20 -0.2
HYB 87.24 295 eP 14 29.20 0.0
ASPA 87.90 227 eP 14 45.60 13.6X
1.6s 10.80nm
STK 91.91 217 eP 14 51.70 1.2
0.8s 0.80nm 4.2mb
BUL 144.24 323 iPKPc 21 17.30 -1.6X

1.0s 5.50nm
MAW 148.60 218 ePKP 21 29.00 4.6X
1.0s 15.00nm
SLR 149.41 319 ePKP 21 29.00 1.8X
1.0s 10.00nm
WIN 149.99 340 ePKP 21 33.50 5.3X
PRY 150.79 319 ePKP 21 34.00 4.7X
BLF 153.25 319 ePKP 21 33.00 0.3
S.D. = 1.1 on 103 of 112 obs.

% JUN 24, 1992 14h 03m 18.45± 0.80s
44.404 N ± 8.0km 8.321 E ± 6.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.2 (GEN).

FIN 0.21 203 P 03 22.98 -0.1
S 03 26.16
PCP 0.21 49 P 03 23.08 0.0
S 03 26.67
ROB 0.34 251 P 03 25.34 -0.2
S 03 30.16
IMI 0.58 212 P 03 30.41 0.1
S 03 37.89
ENR 0.67 255 P 03 31.49 -0.4
S 03 40.54
STV 0.73 258 P 03 33.65 0.7
S 03 42.74
PZZ 0.88 277 P 03 35.26 -0.2
S 03 46.77
S.D. = 0.4 on 7 of 7 obs.

? JUN 24, 1992 14h 12m 45.73± 2.76s
37.799 S ±30.5km 176.106 E ±35.5km
DEPTH = 245.5 ± 37.3 km
NORTH ISLAND, NEW ZEALAND (159)

PAHZ 1.29 145 P 13 22.00 -0.4
PUZ 1.72 100 P 13 25.40 -0.3
S 13 50.70
NOZ 1.73 119 P 13 26.00 0.3
HBZ 1.75 84 eP 13 26.00 0.1
TTH 1.83 162 P 13 27.20 0.6
WAHZ 1.91 174 P 13 27.50 0.2
PGZ 2.82 177 P 13 36.40 0.1
MNG 2.86 190 P 13 36.80 0.0
S 14 11.60
KIW 3.20 196 P 13 40.50 0.0
MTW 3.39 188 P 13 41.90 -0.7
CAW 3.40 193 eP 13 42.40 -0.4
MRW 3.60 197 P 13 45.00 0.0
S 14 27.00
TCW 3.69 202 P 13 46.30 0.2
KHZ 5.01 202 P 14 02.40 0.4
S.D. = 0.4 on 14 of 14 obs.

% JUN 24, 1992 14h 12m 57.70± 0.88s
44.369 N ± 9.8km 7.356 E ± 7.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

STV 0.13 190 P 13 01.11 0.2
S 13 03.65
ENR 0.15 162 P 13 01.02 -0.2
S 13 03.82
PZZ 0.23 307 P 13 02.67 0.0
S 13 06.62
ROB 0.38 101 P 13 06.06 0.6
S 13 11.41
FIN 0.63 104 P 13 09.82 -0.6
S 13 17.35
S.D. = 0.7 on 5 of 5 obs.

• JUN 24, 1992 14h 44m 39.47± 0.81s
51.345 N ±16.1km 173.558 W ± 7.7km
DEPTH = 33.0km (normal)
4.1mb (5 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 2.02 287 eP 45 12.10 0.2
SDN 8.78 58 eP 46 47.90 1.0
KDC 13.77 54 eP 47 52.78 -1.6
0.3s 1.97nm 4.4mb X
SVW 13.92 38 eP 47 58.38 2.0
0.8s 5.05nm 4.3mb X
TTA 14.95 32 eP 48 11.82 2.0
1.1s 26.73nm 4.5mb X
SLKM 15.89 46 eP 48 21.58 -0.4
PMS 16.50 44 eP 48 28.70 -1.0
IMA 17.88 27 eP 48 46.27 -0.7
0.6s 2.03nm 3.4mb
KLU 18.21 45 eP 48 49.47 -1.5
TOA 18.33 43 eP 48 52.30 -0.2
FBA 19.02 35 eP 49 02.80 2.0
BALM 19.70 48 eP 49 05.13 -3.6X
YKA 32.86 47 eP 51 11.20 -0.6
0.6s 1.50nm 4.1mb
SES 38.40 66 eP 51 59.00 -0.1
FCC 43.58 48 eP 52 43.00 1.5
ARUT 43.71 84 eP 52 42.42 -0.7
MSU 44.06 82 eP 52 47.36 1.4
EEO 57.95 54 eP 54 31.00 0.4
LZH 58.52 290 eP 54 35.50 0.6
PWLA 60.99 69 eP 54 50.86 -0.8
LMN 65.41 47 eP 55 21.50 0.8
NB2 67.90 357 P 55 34.80 -1.5
0.6s 1.00nm 4.1mb
HFS 68.72 356 eP 55 38.90 -2.4
0.4s 2.40nm 4.6mb
GUN 74.88 296 P 56 19.20 0.2
KKN 75.31 296 P 56 21.60 0.3
PKI 75.40 296 P 56 22.10 0.2
GKN 75.50 297 P 56 22.40 0.1
DMN 75.54 296 P 56 23.00 0.3
GEC2 80.00 355 P 56 44.20 -2.4
0.7s 1.23nm 4.0mb
QUE 82.97 311 eP 57 04.00 1.4
S.D. = 1.3 on 29 of 30 obs.

• JUN 24, 1992 15h 08m 21.22± 3.73s
31.747 S ±19.4km 71.717 W ±29.5km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.9 (SAN).

JACH 1.33 135 iPc 08 43.90 0.1
iS 08 59.30
ROCH 1.36 154 iPd 08 44.60 0.3
(S) 08 59.30
PEL 1.64 148 iPd 08 48.30 0.1
iS 09 07.20
RTBS 1.93 88 iPc 09 53.40 61.1X
FCH 1.98 143 iPd 08 53.00 -0.4
iS 09 16.40
TACH 2.01 161 iPd 08 53.70 0.2
iS 09 16.50
PCH 2.13 152 iPd 08 54.40 -0.8
iS 09 18.70
LNV 2.22 173 iPc 08 56.00 -0.4
(S) 09 20.00
CHCH 2.36 158 iPd 08 58.50 0.0
iS 09 25.50
RTCB 2.50 85 iP 09 01.00 0.4
(S) 09 30.80
CACH 2.54 159 (P) 09 02.00 0.8
(S) 09 31.80
RTCV 2.71 93 ePd 09 27.50 24.1X
RTLL 2.80 82 ePc 09 04.50 -0.3
S 09 37.40
CFA 2.97 88 ePc 09 07.00 -0.1
S.D. = 0.5 on 12 of 14 obs.

• JUN 24, 1992 15h 13m 31.02± 5.31s
31.459 S ±25.2km 68.700 W ±13.9km
DEPTH = 68.3 ± 47.0 km
SAN JUAN PROVINCE, ARGENTINA (137)

ZON 0.09 168 iPd 13 41.00 -0.5
eS 13 53.00
RTCB 0.09 253 iPd 13 42.00 0.5
(S) 13 52.70
RTLL 0.24 57 iPc 13 41.80 0.0
S 13 53.20
CFA 0.42 111 ePc 13 43.20 0.0
S 13 55.00
RTCV 0.42 161 iPd 13 43.30 0.1
RTBS 0.67 252 iPd 13 45.60 -0.1
S 13 57.50
S.D. = 0.5 on 6 of 6 obs.

? JUN 24, 1992 15h 25m 16.55± 4.41s
41.241 N ±43.3km 28.747 E ± 8.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

CTT 0.26 249 iPg 25 21.60 -0.4
eSg 25 26.10
ISK 0.29 126 iPg 25 22.60 -0.1
iSg 25 27.10
BNT 1.08 216 ePn 25 36.70 -0.2
KGT 1.35 235 ePn 25 42.00 0.6
S.D. = 0.8 on 4 of 4 obs.

? JUN 24, 1992 15h 44m 16.68± 3.19s
39.698 N ±25.4km 28.185 E ±23.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.35 105 ePg 44 24.00 0.0
KCT 0.57 13 ePg 44 28.20 0.0
iSg 44 39.20
BNT 0.69 343 iPn 44 30.20 -0.1
EDC 0.69 339 iPn 44 30.50 0.1
S.D. = 0.2 on 4 of 4 obs.

JUN 24, 1992 16h 12m 08.54± 0.45s
42.052 N ± 3.8km 21.257 E ± 3.9km
DEPTH = 13.7 ± 2.5 km
NORTHWESTERN BALKAN REGION (383)
ML 4.3 (SKO), 3.7 (TTG). Felt
(IV) at Resen, Yugoslavia.

SKO 0.16 120 iPg 12 12.20 -0.4
iSg 12 15.00
KKS 0.63 272 iPgd 12 19.50 -1.3
PHP 0.71 239 iPgc 12 20.80 -1.4
iSg 12 30.30
OHR 1.00 200 iPgc 12 27.00 -0.2
iSg 12 42.30
Lg 12 46.80
PUK 1.02 270 iPg 12 26.10 -1.3
iSg 12 50.10
PVY 1.10 300 iPgd 12 28.62 -0.2
iSg 12 45.98
VAY 1.22 126 iPnc 12 30.40 -0.6
i 12 43.60
i 12 47.00
Lg 12 50.50
TIR 1.26 236 iPnc 12 32.00 0.5
iSn 12 50.00
IVA 1.30 310 iPgd 12 32.25 0.0
iSg 12 51.93
SDA 1.31 269 iPnd 12 33.40 1.1
iSn 12 52.70
ULC 1.50 267 iPgd 12 36.88 1.9
iSg 12 59.63
TTG 1.53 285 iPgd 12 36.29 0.9
iSg 12 59.95
BDV 1.82 278 iPnd 12 41.88 2.2
iSn 13 07.43
NKY 1.84 295 iPnd 12 41.75 1.7
iSn 13 06.94
PLE 1.88 314 iPnd 12 41.80 1.2
iSn 13 06.90
LSK 1.96 195 ePn 12 43.30 1.5
iSn 13 06.60
TPE 1.99 209 ePn 12 45.40 3.3X
VLO 2.06 221 ePn 12 47.00 3.8X
iSn 13 14.00
HCY 2.09 282 iPnc 12 45.33 1.8
iSn 13 13.55
BRY 2.18 294 iPnd 12 46.65 1.6
iSn 13 15.55
BEO 2.83 348 ePn 12 52.50 -1.6
LCI 3.03 237 P 12 55.90 -0.9
BRT 3.26 250 P 13 01.20 0.9
eSn 13 35.00
DRA 3.42 39 eP 13 15.00 12.6X
HVAR 3.72 289 ePn 13 07.20 0.4
COZ 3.96 33 ePd 13 12.00 1.7
DEV 4.01 17 ePc 13 25.00 14.2X
ORI 4.14 243 P 13 14.00 1.3
TNR 4.21 30 ePc 13 14.00 0.3
ROI 4.33 237 P 13 15.10 -0.4
CSI 4.40 241 P 13 15.70 -0.7
TDS 4.43 239 P 13 16.00 -0.8
eSn 14 02.00
MDB 4.67 28 ePc 14 03.00 42.8X
MGR 4.71 248 P 13 21.00 0.1
eSn 14 08.00

SGO	4.72	254	P	13 20.70	-0.3
			eSn	14 10.50	
CZI	4.82	236	P	13 16.80	-5.5X
MLR	4.83	43	iPc	13 34.00	11.3X
ISR	4.93	49	ePc	13 46.00	22.1X
ZAG	5.35	316	e(Pn)	13 29.50	-0.4
PTJ	5.42	317	i(Pn)	13 30.00	-1.0
VRI	5.49	44	ePc	13 33.00	1.1
VBY	5.55	310	e(Pn)	13 36.50	3.8X
			e	13 54.40	
			e(Sn)	15 03.60	
SDI	5.57	269	P	13 32.90	-0.1
			eSn	14 28.50	
SOI	5.63	227	P	13 32.60	-1.2
			eSn	14 30.50	
AOU	5.84	276	P	13 36.60	-0.2
SRO	6.13	341	eP	13 28.60	-12.1X
			i	13 40.30	
CEY	6.16	309	ePn	13 41.00	-0.3
			e(Sn)	15 05.50	
LJU	6.28	312	e(Pn)	13 42.00	-0.9
			e(Sn)	15 07.00	
ARV	6.29	286	P	13 42.50	-0.6
ASS	6.43	282	P	13 44.40	-0.8
VOY	6.63	309	ePn	13 48.10	0.1
			eSn	15 05.20	
ZST	6.81	336	eP	13 48.20	-2.2
CRE	7.02	286	P	13 54.00	0.5
SFI	7.15	288	P	13 55.00	-0.1
PGD	7.23	288	P	13 56.00	-0.5
KBA	7.56	314	iPnc	14 01.30	0.2
			i	14 06.50	
			eSn	15 24.00	
			i	15 27.30	
FVI	7.58	310	P	14 02.10	0.9
CTI	7.99	303	P	14 06.50	-0.6
MME	8.01	289	P	14 06.70	-0.8
NB2	19.97	346	P	16 41.00	-2.0
	0.6s		0.50nm		3.0mb

S.D. = 1.1 on 50 of 60 obs.

% JUN 24, 1992 16h 12m 32.79± 1.42s
43.949 N ±13.8km 12.295 E ± 6.5km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

RSM	0.12	100	P	12 36.00	0.3
			eSg	12 40.60	
SFI	0.32	265	P	12 39.40	0.0
			eSg	12 45.80	
CRE	0.41	218	P	12 41.00	-0.1
			eSg	12 47.90	
ARV	0.65	134	P	12 45.00	-0.8
			eSg	12 55.20	
ASS	0.92	163	P	12 51.00	0.6

S.D. = 0.8 on 5 of 5 obs.

• JUN 24, 1992 16h 59m 19.37± 0.90s
51.256 N ±16.7km 173.502 W ± 9.4km
DEPTH = 33.0km (normal)
4.2mb (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK	2.08	289	eP	59 53.61	1.0
			eS	00 14.51	
SDN	8.79	57	eP	01 39.10	12.0X
SVW	13.97	38	eP	02 37.66	0.7
	0.9s		6.10nm		4.3mb
ANM	14.01	15	(P)	02 37.20	-0.2
REF	14.83	43	(P)	02 49.24	0.9
TTA	15.00	32	eP	02 51.89	1.4
	1.0s		22.59nm		4.4mb
SLKM	15.93	45	eP	03 01.78	-0.6
PMS	16.54	44	eP	03 11.00	0.9
IMA	17.94	27	eP	03 27.02	-0.6
	1.1s		4.94nm		3.6mb
TOA	18.37	43	eP	03 28.70	-4.2X
BALM	19.73	48	(P)	03 44.48	-4.5X
YKA	32.89	47	eP	05 51.20	-0.8
	0.3s		0.60nm		4.0mb
MAT	37.07	266	eP	06 29.00	1.0
	1.0s		8.00nm		4.5mb
SES	38.40	66	eP	06 40.00	0.9
			pP	06 55.00	59kmX
LZH	58.58	290	eP	09 16.00	0.7
	1.2s		21.00nm		5.1mb
			sP	09 29.00	
NB2	67.99	358	P	10 15.40	-1.4
	0.7s		0.90nm		4.0mb
HFS	68.81	356	eP	10 19.90	-1.9
	0.4s		0.80nm		4.1mb
GUN	74.95	296	P	10 59.00	-0.3
KKN	75.38	296	P	11 01.20	-0.4
PKI	75.47	296	P	11 01.60	-0.6
GKN	75.58	297	P	11 02.60	0.0
DMN	75.61	296	P	11 02.80	-0.2
BRG	78.05	355	e(P)	11 15.60	-0.2
			e	11 28.00	
KHC	79.81	355	eP	11 26.00	0.6
			e	11 38.00	
GEC2	80.09	355	P	11 25.00	-2.0
	0.8s		1.33nm		4.0mb
GEC2	80.09	355	P	11 38.50	11.5X
	0.8s		0.92nm		
GEC2	80.09	355	P	11 33.50	6.5X
QUE	83.06	311	eP	11 44.70	1.7
BUL	144.42	323	iPKPc	18 53.40	-0.5
MAW	148.41	218	ePKP	19 04.00	5.2X
	1.0s		8.00nm		
PRY	150.96	319	ePKP	19 10.00	5.8X

S.D. = 1.0 on 24 of 31 obs.

% JUN 24, 1992 17h 24m 06.50± 1.95s
45.712 N ± 9.7km 26.556 E ± 7.3km
DEPTH = 153.5 ± 19.9 km
ROMANIA (358)

VRI	0.20	37	iPc	24 27.00	0.2
CVO	0.29	293	iPc	24 27.00	0.0
BRD	0.40	119	ePc	24 27.50	0.1
MLR	0.48	243	ePc	24 28.00	-0.6
CLI	0.98	31	iPc	24 31.50	-0.2
MTUR	1.16	246	eP	24 33.50	0.1
PTT	1.23	355	eP	24 34.00	0.1
CFR	1.24	115	iPd	24 34.00	0.0
TLB	1.53	137	iPc	24 37.00	0.0
COZ	1.60	257	iPc	24 38.50	0.5
SRE	2.59	247	iPc	24 49.00	-0.4

S.D. = 0.4 on 11 of 11 obs.

JUN 24, 1992 18h 08m 47.72± 0.64s
39.145 S ± 3.9km 175.097 E ± 4.3km
DEPTH = 184.2 ± 7.7 km
NORTH ISLAND, NEW ZEALAND (159)

BSZ	0.67	191	P	09 13.70	-0.3
MOZ	0.68	340	P	09 13.30	-0.8
			S	09 29.50	
NRZ	0.92	258	eP	09 15.80	0.2
WAHZ	1.12	120	P	09 16.60	-0.5
UTU	1.29	42	P	09 18.60	0.1
WLZ	1.33	17	P	09 19.20	0.4
			eS	09 39.80	
TTH	1.40	107	P	09 19.60	0.2
TAZ	1.43	51	eP	09 19.60	-0.1
MNG	1.50	169	Pc	09 20.30	-0.1
			S	09 40.30	
PAHZ	1.55	80	P	09 20.70	-0.2
KIW	1.72	185	P	09 22.50	0.0
PGZ	1.73	149	P	09 22.50	0.0
DIW	1.89	208	eP	09 24.30	0.1
CAW	1.96	181	P	09 25.10	0.1
MTW	2.04	171	P	09 25.60	-0.2
MRW	2.11	188	P	09 26.70	0.2
			eS	09 52.70	
WEL	2.15	187	P	09 27.40	0.3
TCW	2.16	197	P	09 27.50	0.4
AMW	2.22	167	P	09 28.00	0.2
BLW	2.24	173	P	09 28.00	-0.1
MOW	2.28	177	P	09 28.50	0.0
NOZ	2.35	78	P	09 29.40	0.1
ORZ	2.59	229	P	09 32.00	-0.1
			eS	10 03.40	
PUZ	2.70	68	P	09 33.10	-0.3
			S	10 03.50	
HBZ	2.95	60	P	09 36.90	0.5
THZ	3.11	212	P	09 38.80	0.4
			eS	10 16.20	
KHZ	3.48	199	Pc	09 43.50	0.6
DSZ	3.62	223	P	09 44.90	0.2
LTZ	4.22	210	P	09 52.30	0.0
			S	10 38.10	
MQZ	4.92	201	P	10 00.10	-1.2
			S	10 52.50	
ODZ	6.76	208	eP	10 25.10	-0.4

S.D. = 0.4 on 31 of 31 obs.

? JUN 24, 1992 18h 43m 06.13± 2.57s
31.105 S ±26.1km 68.270 W ±16.5km
DEPTH = 95.2 ± 33.5 km
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL	0.28	217	iPd	43 20.30	0.0
			S	43 31.50	
CFA	0.50	177	ePc	43 22.00	0.3
RTCB	0.59	230	iPc	43 22.30	-0.2
			S	43 34.80	
RTCV	0.79	197	ePc	43 24.00	-0.3
RTBS	1.15	241	eP	43 28.40	0.2
			S	43 43.00	
RTPR	1.71	63	iPd	43 35.20	0.0
			(S)	43 57.20	

S.D. = 0.3 on 6 of 6 obs.

• JUN 24, 1992 19h 59m 23.35± 0.89s
35.894 N ±13.8km 75.522 E ±11.4km
DEPTH = 33.0km (normal)
3.9mb (1 obs.)
EASTERN KASHMIR (302)

QUE	9.17	234	iP	01 37.00	0.5
GKN	11.03	133	P	02 02.60	0.5
	0.5s		24.00nm		5.6mb X
KKN	11.57	132	P	02 09.20	-0.3
	1.0s		47.00nm		5.6mb X
DMN	11.60	133	P	02 10.00	0.1
	0.7s		16.00nm		5.3mb X
PKI	11.81	132	P	02 12.20	-0.6
GUN	11.86	129	P	02 13.30	-0.2
	0.6s		17.00nm		5.4mb X
NB2	47.06	323	P	07 51.50	-1.9
	0.8s		1.20nm		3.9mb
MBC	67.73	4	eP	10 21.00	1.9
BAO	126.03	277	e(PKP)	18 30.00	5.6X

S.D. = 1.3 on 8 of 9 obs.

JUN 24, 1992 22h 00m 14.66± 0.34s
44.130 N ± 2.5km 7.168 E ± 3.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.4 (GEN), 2.1 (LDG).

TOUF	0.13	154	Pg	00 18.53	0.5
STV	0.16	44	P	00 18.66	0.2
			S	00 21.12	
ENR	0.21	62	P	00 19.44	0.2
			S	00 22.03	
MVIF	0.23	183	Pg	00 20.31	0.6
			Sg	00 24.19	
AURF	0.27	155	Pg	00 20.85	0.5
			Sg	00 25.10	
SBF	0.33	144	Pg	00 21.90	0.4
			Sg	00 26.10	
DOI	0.38	8	P	00 22.00	-0.4
			eSg	00 26.50	
PZZ	0.38	353	P	00 22.25	-0.2
			S	00 26.86	
ROB	0.53	72	P	00 25.53	0.1
			S	00 32.61	
IMI	0.56	113	P	00 26.04	-0.1
			S	00 33.63	
FRF	0.68	214	Pg	00 27.70	-0.5
			Sg	00 36.80	
FIN	0.75	84	P	00 29.12	-0.3
			S	00 38.45	
LRG	0.89	221	Pg	00 31.60	-0.2
			Sg	00 43.90	
LMR	0.93	211	Pg	00 32.60	0.2
			Sg	00 44.40	
BNI	0.99	339	P	00 34.00	0.5
PCP	1.07	67	P	00 35.17	0.3
			S	00 48.04	
LPG	1.40	348	Pg	00 40.10	-0.4
			Sg	00 59.40	
LPL	1.42	348	Pg	00 41.20	0.5
			Sg	01 00.30	
PGF	2.07	139	Pn	00 48.00	-2.0
			Sn	01 11.90	

S.D. = 0.6 on 19 of 19 obs.

% JUN 24, 1992 22h 02m 28.44± 1.02s

24d 22h

44.297 N ± 9.4km 7.285 E ±11.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

STV 0.06 152 P 02 30.65 -0.1
S 02 33.11
ENR 0.12 126 P 02 31.47 -0.1
S 02 34.34
DOI 0.21 352 P 02 32.50 -0.5
PZZ 0.25 328 P 02 34.24 0.5
S 02 38.55
ROB 0.42 90 P 02 37.32 0.3
S 02 43.47
S.D. = 0.6 on 5 of 5 obs.

JUN 24, 1992 22h 23m 28.75± 0.51s
37.644 S ± 6.0km 176.887 E ± 5.1km
DEPTH = 25.0 ± 7.4 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.7 (WEL).

WIZ 0.27 64 P 23 35.60 0.3
TAZ 0.66 207 P 23 41.40 -0.2
UTU 0.77 226 P 23 44.10 0.7
PATZ 0.89 214 P 23 45.40 -0.1
WLZ 1.05 257 eP 23 47.20 -0.6
HBZ 1.12 88 P 23 48.90 0.0
PUZ 1.17 112 eP 23 48.60 -0.9
KUZ 1.29 313 P 23 52.00 0.7
NOZ 1.33 137 P 23 52.40 0.6
MOZ 1.86 242 eP 23 59.30 -0.1
WCZ 2.66 309 P 24 10.30 -0.6
S.D. = 0.7 on 11 of 11 obs.

% JUN 24, 1992 23h 35m 03.14± 0.52s
37.629 S ± 5.5km 176.823 E ± 4.1km
DEPTH = 10.0km (geophysicist)
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ 0.31 71 P 35 10.20 0.7
TAZ 0.65 202 P 35 16.20 0.1
URZ 0.67 160 Pc 35 14.80 -1.6
S 35 24.30
UTU 0.74 222 P 35 18.70 1.0
WLZ 1.00 257 P 35 23.00 0.9
HBZ 1.17 89 P 35 25.20 0.2
PUZ 1.22 112 P 35 25.60 -0.2
S 35 42.50
KUZ 1.24 315 P 35 25.70 -0.5
NOZ 1.38 136 P 35 29.00 0.7
MOZ 1.82 241 eP 35 34.20 -0.5
WAHZ 2.10 190 P 35 38.80 0.0
WCZ 2.61 310 P 35 45.50 -0.5
S.D. = 0.8 on 12 of 12 obs.

? JUN 24, 1992 23h 43m 46.47± 4.37s
42.885 N ±25.1km 0.750 W ±22.0km
DEPTH = 5.0km (geophysicist)
PYRENEES (378)
ML 2.2 (LDG).

ATE 0.20 10 Pg 43 50.67 0.0
Sg 43 52.88
ESCF 0.23 34 Pg 43 50.95 -0.3
Sg 43 53.21
MADF 0.27 349 Pg 43 51.30 -0.6
Sg 43 53.79
EPF 0.81 79 Pg 44 02.20 -0.6
Sg 44 12.10
LPO 2.28 37 Pg 44 25.90 0.5
Sg 44 52.30
LFF 2.32 27 Pg 44 26.70 0.8
Sg 44 52.90
RJF 2.92 33 Pg 44 37.30 2.9X
Sg 45 11.40
LSF 3.74 25 Pg 44 52.00 5.9X
Sg 45 34.60
MFF 3.74 6 Pg 44 52.80 6.7X
Sg 45 35.60
S.D. = 0.7 on 6 of 9 obs.

JUN 24, 1992 23h 53m 32.53± 0.59s
41.146 N ± 4.4km 21.044 E ± 5.7km
DEPTH = 5.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 3.0 (ATH), ML 2.9 (TTG), 2.8
(SKO), 2.6 (TIR). Felt (IV) in
the Resen area, Yugoslavia.

OHR 0.19 259 iPgc 53 35.50 -0.9
iSg 53 38.50
PHP 0.71 320 ePg 53 44.20 -2.5
iSg 53 56.70
SKO 0.88 20 iPg 53 49.70 -0.1
iSg 54 02.50
Lg 54 03.00
TIR 0.91 283 ePg 53 49.20 -1.2
iSg 54 03.00
KZN 1.00 146 ePb 53 51.00 -1.1
eSn 54 07.00
KKS 1.04 333 ePg 53 52.00 -0.6
LSK 1.05 199 ePg 53 51.20 -1.7
iSg 54 05.60
LACI 1.12 296 ePg 53 53.70 -0.2
TPE 1.16 223 ePn 53 55.50 0.9
VAY 1.16 81 iPn 53 54.50 -0.2
iSn 54 11.30
iSg 54 12.40
Lg 54 13.30
PUK 1.24 316 ePg 53 54.20 -1.9
iSg 54 09.30
VLO 1.36 241 ePn 53 57.00 -1.0
SDA 1.45 307 ePn 54 01.60 2.2
iSn 54 24.50
SRN 1.49 213 ePn 54 01.40 1.4
ULC 1.58 302 iPnc 54 00.90 -0.3
iSn 54 25.55
PVY 1.65 331 iPnd 54 03.09 0.7
iSn 54 28.37
KEK 1.72 214 ePn 54 05.00 1.7
eSn 54 39.60
TTG 1.85 314 iPnc 54 06.12 1.0
iSn 54 33.03
IVA 1.92 334 iPnd 54 06.95 0.6
iSn 54 35.03
BDV 2.01 305 iPnc 54 08.38 0.9
iSn 54 36.25
NKY 2.26 318 iPnc 54 11.80 0.6
iSn 54 42.59
HCY 2.31 305 iPnc 54 12.12 0.3
iSn 54 43.62
PLE 2.50 331 ePn 54 15.37 0.7
iSn 54 48.52
BRY 2.56 314 ePn 54 16.18 0.7
iSn 54 50.30
S.D. = 1.2 on 24 of 24 obs.

? JUN 25, 1992 00h 23m 45.21± 1.25s
51.403 N ±27.3km 173.645 W ±10.9km
DEPTH = 33.0km (normal)
3.7mb (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 1.95 285 ePc 24 17.85 1.2
e(S) 24 37.43
TTA 14.93 33 eP 27 17.75 2.4
BALM 19.70 49 e(P) 28 13.21 -1.3
SES 38.43 66 eP 31 06.00 0.9
MSU 44.10 82 ePc 31 52.76 0.7
NB2 67.84 357 P 34 40.20 -1.5
0.4s 0.20nm 3.6mb
HFS 68.66 356 eP 34 44.80 -1.9
0.4s 0.70nm 4.1mb
GUN 74.80 296 P 35 24.60 0.3
KKN 75.23 296 P 35 27.00 0.4
PKI 75.33 296 P 35 26.60 -0.7
GKN 75.43 297 P 35 27.80 0.2
DMN 75.47 296 P 35 28.40 0.4
KHC 79.66 355 eP 35 51.00 0.5
e 36 04.00
GEC2 79.93 355 P 35 50.30 -1.7
0.7s 0.62nm 3.7mb
GEC2 79.93 355 P 36 03.40 11.4X
BUL 144.25 322 iPKPc 43 31.60 12.2X
0.1s 55.56nm
S.D. = 1.4 on 14 of 16 obs.

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* JUN 25, 1992 01h 04m 19.31± 0.96s
34.171 N ±12.7km 26.459 E ±10.8km
DEPTH = 33.0km (normal)
CRETE (370)
MD 3.7 (ATH).

NPS 1.29 328 ePg 04 42.00 0.8
VLI 3.84 312 ePn 05 17.00 -0.5
PRK 5.07 358 ePn 05 34.50 -0.5
CSS 5.72 80 eP 05 45.10 0.9
eS 06 50.50
KOT 6.22 131 ePn 05 51.00 -0.2
ZNT 7.44 103 eP 06 08.00 -0.3
eS 07 27.90
HRI 7.78 94 eP 06 12.70 -0.6
JVI 7.79 104 eP 06 12.60 -0.7
SAGI 7.99 117 eP 06 17.00 1.0
eS 07 41.50
S.D. = 0.8 on 9 of 9 obs.

? JUN 25, 1992 01h 21m 14.37±12.70s
57.044 N ±48.4km 37.885 W ±154.km
DEPTH = 10.0km (geophysicist)
4.3mb (8 obs.) 3.8Msz (2 obs.)
NORTH ATLANTIC OCEAN (402)

FLN 23.77 94 eP 26 27.00 -0.4
1.4s 33.55nm 4.7mb
Z 17s 0.25um 3.8MszX
GRR 23.78 95 eP 26 28.20 0.7
0.9s 7.85nm 4.3mb
LDF 24.06 94 eP 26 30.50 0.3
NB2 25.08 60 P 26 40.10 0.0
1.4s 18.30nm 4.6mb
DOU 25.81 87 P 26 52.30 5.4X
APO 26.50 61 eP 26 53.20 0.0
1.0s 3.50nm 4.0mb
BGF 26.89 95 eP 26 56.50 -0.4
0.7s 5.75nm 4.4mb
MAF 26.94 96 eP 26 58.60 1.2
1.1s 8.80nm 4.4mb
LOR 27.01 93 eP 26 57.50 -0.5
1.0s 4.40nm 4.1mb
Z 19s 0.15um 3.6Msz
AVF 27.02 94 eP 26 57.70 -0.4
LBF 27.24 94 eP 26 59.70 -0.5
0.9s 5.55nm 4.3mb
OBN 39.71 60 eP 28 48.00 0.1
Z 20s 0.20um 4.0Msz
LR 41 20.00
S.D. = 0.6 on 11 of 12 obs.

JUN 25, 1992 01h 36m 30.84± 0.71s
18.876 S ± 9.1km 169.290 E ± 7.5km
DEPTH = 249.3 ± 6.0 km
4.9mb (16 obs.)
VANUATU ISLANDS (186)

PVC 1.46 320 iP 37 09.00 -0.1
iS 37 39.00
BKM 1.56 320 iPc 37 09.50 -0.3
iS 37 41.50
DZM 4.15 220 iPc 37 37.10 0.2
iS 38 30.30
HNR 13.04 315 eP 39 29.00 0.5
ARMA 19.71 231 iPc 40 45.00 1.7
0.7s 54.00nm 5.2mb
e 44 32.00
RMO 20.39 244 eP 40 51.50 1.6
1.0s 167.00nm 5.5mb
CTA 21.75 263 iPd 41 05.00 1.8
0.6s 145.00nm 5.7mb
eS 47 20.40
PMG 23.41 291 eP 41 19.00 -0.2
OLP 24.32 247 iPc 41 28.00 0.4
0.6s 98.00nm 5.5mb
CMS 24.60 235 iPc 41 31.00 0.8
0.7s 21.00nm 4.8mb
LAT 24.86 296 ePd 41 33.20 0.6
OIS 27.98 262 iPd 41 59.70 -1.1
STK 28.08 237 eP 42 01.50 -0.2
0.7s 24.60nm 4.9mb
e 42 46.10
WB2 32.93 262 iPc 42 42.30 -1.8
0.7s 36.30nm 5.1mb
e 43 06.50
ASPA 33.27 255 iPd 42 45.90 -1.1
0.4s 415.40nm 6.4mb X
e 43 38.70
eS 47 46.40
COOL 44.97 245 eP 44 21.50 -1.8
MBL 46.38 258 iPd 44 34.00 -0.4
0.6s 85.00nm 5.3mb

MEEK 47.12 251 iPd 44 39.10 -1.0
KLB 47.91 244 eP 44 44.70 -1.4
BAL 48.78 246 eP 44 51.60 -1.2
NANU 50.20 256 eP 45 03.00 -0.7
KMI 78.12 302 Pc 48 05.50 1.1
1.0s 70.00nm 5.3mb
CHG 78.55 294 eP 48 07.90 1.3
0.9s 12.82nm 4.7mb
MAW 78.79 202 iPd 48 07.80 0.8
1.0s 13.00nm 4.6mb
LZH 82.52 312 eP 48 28.50 1.2
KDC 82.68 20 eP 48 25.53 -1.8
1.3s 22.86nm 4.7mb
ARN 85.76 48 ePc 48 43.50 0.3
TTA 85.97 15 eP 48 43.34 -0.5
0.8s 2.91nm 4.2mb
ORV 86.80 46 ePc 48 48.07 -0.1
ISA 87.21 51 eP 48 50.39 0.0
0.9s 11.92nm 4.7mb
LBFM 87.37 45 iPd 48 51.83 0.7
PEC 87.45 53 eP 48 51.07 -0.4
0.5s 3.20nm 4.4mb
PLM 87.45 54 eP 48 51.88 0.2
GLA 88.89 55 eP 48 58.83 0.5
BMW 88.96 40 eP 48 58.44 0.1
SHW 89.42 40 eP 49 01.36 0.7
GMW 89.74 39 eP 49 01.80 -0.1
LON 89.95 40 eP 49 02.17 -0.8
RMW 90.28 39 eP 49 04.25 -0.2
ARUT 91.77 51 (P) 49 11.32 -0.4
PNT 92.43 38 eP 49 14.00 -0.2
YKA 100.32 27 ePdiff49 48.90 -0.9
0.7s 1.20nm 4.5mb
VAY 143.88 315 iPKP 55 34.60 -3.4X
GEC2 144.19 332 PKP 55 35.50 -3.0X
0.7s 1.49nm
SKO 144.30 317 iPKP 55 37.50 -1.2
0.6s 41.00nm
GRF 144.58 335 ePKP 55 39.00 0.0
OHR 145.15 316 ePKP 55 39.30 -1.0
WLF 146.43 340 PKP 55 43.00 1.0
DOU 146.53 342 PKPc 55 43.60 1.5
0.4s 2.90nm
CDF 147.12 338 ePKP 55 45.00 1.7
0.5s 2.05nm
BSF 147.79 338 ePKP 55 47.50 3.1X
0.4s 1.10nm
HAU 147.80 338 ePKP 55 46.80 2.5X
0.5s 2.75nm
BCAO 148.04 247 iPKPd 55 49.00 3.3X
0.2s 20.00nm
FLN 149.06 347 ePKP 55 49.10 2.9X
0.6s 3.70nm
LDF 149.14 346 ePKP 55 49.80 3.5X
0.4s 0.70nm
LOR 149.27 340 ePKP 55 50.50 3.9X
0.7s 4.50nm
GRR 149.49 347 ePKP 55 50.30 3.4X
SSF 149.57 341 ePKP 55 51.30 4.3X
0.4s 1.80nm
LPL 149.75 335 ePKP 55 52.40 4.7X
0.6s 2.55nm
LPG 149.75 335 ePKP 55 52.40 4.6X
0.7s 3.75nm
LPF 149.87 347 ePKP 55 51.90 4.5X
0.4s 3.20nm
BGF 150.22 341 ePKP 55 52.80 4.8X
0.5s 2.85nm
TCF 150.66 342 ePKP 55 53.80 5.0X
0.6s 1.55nm
LSF 150.89 342 ePKP 55 54.00 4.9X
0.6s 2.55nm
MFF 151.01 345 ePKP 55 55.40 6.2X
PGF 151.09 329 ePKP 55 54.80 5.2X
0.5s 7.05nm
S.D. = 1.0 on 48 of 66 obs.

& JUN 25, 1992 01h 58m 32.27s
61.957 N 150.472 W
DEPTH = 10.2km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

PWA 0.42 137 P 58 41.20 0.4
S 58 47.40
CUT 0.46 12 iP 58 41.44 -0.2
SKT 0.50 273 iP 58 42.15 -0.3
eS 58 49.54
SUA 0.51 195 eP 58 43.13 0.5
eS 58 51.21
GHO 0.76 104 eP 58 46.30 -0.8
eS 58 56.35
PMS 0.84 148 P 58 47.70 -0.8
NCG 0.98 236 eP 58 49.67 -1.2
CGLM 0.98 229 eP 58 50.07 -0.9
SML 1.02 97 eP 58 50.36 -1.3
eS 59 04.55
CRP 1.06 230 P 58 51.50 -0.9
S 59 07.10
SPU 1.09 225 iP 58 51.35 -1.4
eS 59 07.30
CPKM 1.09 231 eP 58 52.44 -0.5
eS 59 06.90
HUR 1.10 20 eP 58 51.56 -1.3
eS 59 05.90
CKN 1.10 229 eP 58 52.45 -0.5
KNK 1.11 119 eP 58 51.70 -1.3
BGL 1.15 234 eP 58 52.86 -1.0
CKL 1.17 230 eP 58 53.36 -0.9
BKG 1.24 225 eP 58 53.40 -1.9
PTE 1.30 147 eP 58 55.23 -1.0
SLKM 1.46 175 eP 58 57.01 -1.7
SCM 1.49 93 eP 58 57.64 -1.6
TRF 1.50 3 eP 58 57.71 -1.7
KTH 1.62 353 eP 59 00.00 -0.9
RND 1.64 26 eP 58 59.14 -2.1
REF 1.83 217 eP 59 03.03 -1.1
RSO 1.86 217 eP 59 03.38 -1.3
RED 1.90 217 eP 59 05.30 0.2
TOA 2.03 84 P 59 07.60 0.6
VLZ 2.15 111 eP 59 08.25 -0.3
KLU 2.22 100 eP 59 09.05 -0.6
INE 2.28 215 P 59 09.80 -0.9
INW 2.30 216 P 59 09.10 -1.7
SDG 2.38 74 eP 59 10.96 -0.9
TZL 2.38 86 P 59 09.60 -2.4
HIN 2.48 127 eP 59 12.29 -1.0
PAX 2.54 64 eP 59 13.03 -1.2
CVA 2.69 120 eP 59 14.01 -2.2
WRH 2.74 22 P 59 14.80 -2.3
PDB 2.84 222 P 59 16.30 -2.1
HDA 2.93 31 P 59 19.70 0.0
MLY 3.09 358 eP 59 19.73 -2.2
GLB 3.22 96 eP 59 22.65 -1.2
CDD 3.42 209 P 59 25.50 -1.2
TGL 3.87 105 P 59 30.60 -2.6
44 obs. associated

• JUN 25, 1992 02h 04m 57.72± 1.48s
10.919 N ±14.0km 142.313 E ±15.4km
DEPTH = 21.2 ± 12.4 km
4.8mb (2 obs.)
SOUTH OF MARIANA ISLANDS (210)

GUA 3.64 44 eP 05 54.20 0.1
GUMO 3.64 43 Pn 05 53.70 -0.5
eS 06 31.50
PJG 3.64 43 Pn 05 53.70 -0.5
PMG 20.76 166 e(P) 09 39.00 -0.9
BKM 38.25 138 iPd 12 30.50 12.2X
DZM 40.44 144 iPc 12 37.00 0.4
GUN 55.38 296 P 14 33.60 0.3
0.8s 27.00nm 5.3mb
PKI 55.76 296 P 14 35.60 -0.5
KKN 55.89 296 P 14 36.80 -0.1
DMN 56.03 296 P 14 38.00 0.1
GKN 56.48 296 P 14 41.00 0.0
YKA 86.36 27 eP 17 38.90 -0.5
0.9s 1.70nm 4.3mb
ZOBO 149.95 104 PKP 24 46.20 1.5
LPB 149.96 104 PKP 24 46.00 1.5X
CCH 151.69 106 (PKP) 24 52.00 5.1X
S.D. = 0.7 on 12 of 15 obs.

• JUN 25, 1992 02h 49m 38.19± 0.64s
12.743 N ±18.4km 88.279 W ±17.1km
DEPTH = 84.9 ± 10.9 km
3.7mb (1 obs.)
OFF COAST OF CENTRAL AMERICA (76)
Felt (II) at San Salvador, El Salvador.

VSM 0.68 0 iPc 49 54.20 -0.4
QZA 1.05 318 iPd 49 57.70 -0.6
LFU 1.29 321 iPd 50 01.50 0.1
TME 1.64 321 iPd 50 06.50 0.5
YPE 1.93 315 iPc 50 10.60 0.5
CUSS 2.00 306 iPc 50 10.90 0.1
iS 50 35.40
JCR 4.23 133 eP 50 40.36 -1.3
SJS 4.99 123 eP 50 54.03 1.7
LCR2 5.15 125 eP 50 54.88 0.3
ICR 5.15 122 eP 50 58.34 3.5X
QCR 5.20 129 eP 50 54.63 -0.5
VCR 5.25 119 ePc 50 32.17 -23.8X
BUS 5.45 125 ePc 50 59.13 0.1
YKA 53.12 345 eP 58 48.60 -0.4
0.7s 0.60nm 3.7mb
WB2 138.56 254 ePKP 09 01.80 5.1X
0.4s 4.20nm
WRA 138.57 254 PKP 09 02.50 5.8X
0.5s 1.00nm
S.D. = 0.9 on 12 of 16 obs.

JUN 25, 1992 03h 11m 59.32± 0.41s
51.570 N ± 8.9km 173.679 W ± 4.6km
DEPTH = 33.0km (normal)
4.4mb (15 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 1.90 281 eP 12 31.24 1.3
SVW 13.79 39 eP 15 14.42 -0.2
0.7s 2.55nm 4.1mb
TTA 14.80 33 eP 15 28.51 0.7
1.1s 32.38nm 4.6mb
SLKM 15.79 46 eP 15 39.90 -0.7
PMS 16.39 44 eP 15 48.70 0.5
TOA 18.22 44 eP 16 11.50 0.5
FBA 18.88 35 eP 16 19.50 0.5
BALM 19.61 49 (P) 16 24.58 -3.0X
MBC 32.25 21 eP 18 27.00 0.8
YKA 32.76 47 eP 18 29.20 -1.6
0.7s 1.40nm 4.0mb
PNT 33.85 72 eP 18 41.00 0.5
SES 38.38 66 eP 19 19.00 0.2
BCH 41.27 92 eP 19 49.78 6.8X
BW06 43.18 76 eP 19 58.59 0.0
1.2s 7.31nm 4.3mb
FCC 43.48 48 eP 20 02.00 1.4
DAU 43.52 79 eP 20 01.62 0.1
ARUT 43.76 84 eP 20 03.43 0.0
e 20 17.32
MSU 44.10 82 eP 20 06.10 -0.1
e 20 19.81
SRU 44.75 80 eP 20 12.16 0.8
RSSD 45.70 71 eP 20 18.70 -0.2
1.0s 4.07nm 4.3mb
ULM 46.87 59 eP 20 39.50 11.8X
GOL 47.54 76 eP 20 33.03 -0.5
1.3s 9.06nm 4.6mb
e 20 45.74
FVM 57.54 68 eP 21 45.99 -1.7
0.6s 7.66nm 4.9mb
EEO 57.88 54 eP 21 50.00 0.0
LZH 58.37 289 eP 21 54.00 0.2
1.5s 31.00nm 5.2mb
LMN 65.31 47 eP 22 41.00 1.1
KAF 65.56 350 eP 22 40.00 -1.2
NB2 67.67 357 P 22 53.80 -0.9
0.5s 0.40nm 3.8mb
HFS 68.49 356 eP 22 58.00 -1.8
0.3s 1.20nm 4.5mb
GUN 74.71 296 P 23 37.60 -0.2
KKN 75.14 296 P 23 39.40 -0.7
0.8s 27.00nm 5.3mb
PKI 75.24 296 P 23 40.20 -0.6
GKN 75.34 296 P 23 40.20 -1.0
1.0s 66.00nm 5.6mb X
DMN 75.38 296 P 23 41.40 -0.2
BRG 77.73 355 e(P) 23 53.60 -0.4
MOX 78.06 357 e(P) 23 55.30 -0.5
GRF 79.03 357 eP 24 01.80 0.7
e 24 14.30
KHC 79.49 355 eP 24 04.00 0.3
1.0s 3.50nm 4.3mb
e 24 18.00
GEC2 79.77 355 P 24 04.50 -0.7
0.9s 1.71nm 4.1mb
GEC2 79.77 355 P 24 14.70 9.5X
KBA 81.55 355 iPc 24 15.60 0.8
0.9s 7.50nm 4.7mb

25d 03h

QUE 82.77 310 eP 24 22.50 1.1
WRA 84.45 228 P 24 30.40 0.7
0.7s 0.60nm 3.9mb
SKO 85.91 349 eP 24 37.00 0.1
VAY 86.41 348 iP 24 40.00 0.7
SDI 86.88 354 P 24 23.00 -18.7X
eSg 24 29.50
MAW 148.60 218 iPKPd 31 43.40 4.4X
1.0s 12.00nm
S.D. = 0.8 on 41 of 47 obs.

? JUN 25, 1992 03h 29m 27.68± 1.11s
26.406 S ± 7.6km 27.323 E ±16.7km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
mbLg 3.6 (BUL).

PRY 0.54 166 iPc 29 38.50 0.0
S 29 44.40
SLR 1.09 52 iPc 29 48.70 -0.1
S 30 00.60
SEK 1.93 172 iPd 30 04.50 2.9X
S 30 28.50
BLF 2.87 200 eP 30 15.10 -0.1
S 30 50.50
BUL 6.35 11 iPnd 31 04.40 0.0
iSn 32 12.00
iSg 32 43.50
WIN 10.06 290 eP 31 51.20 -5.0X
S 33 40.00
S.D. = 0.1 on 4 of 6 obs.

JUN 25, 1992 03h 36m 15.04± 0.54s
44.319 N ± 4.7km 7.308 E ± 3.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.0 (GEN), 1.9 (LDG).

STV 0.08 171 P 36 17.99 0.4
S 36 19.73
ENR 0.12 139 P 36 18.61 0.5
S 36 20.76
PZZ 0.24 322 P 36 20.25 0.0
S 36 23.73
ROB 0.40 93 P 36 23.63 0.3
S 36 28.46
SBF 0.46 169 Pg 36 24.60 0.1
Sg 36 30.50
IMI 0.58 134 P 36 26.40 -0.5
S 36 34.09
FIN 0.66 99 P 36 27.63 -0.5
S 36 36.55
FRF 0.90 212 Pg 36 31.80 -0.4
Sg 36 43.10
PCP 0.91 75 P 36 32.65 0.1
S 36 44.96
LRG 1.10 219 Pg 36 35.80 0.1
Sg 36 49.70
LMR 1.14 211 Pg 36 36.40 0.0
Sg 36 50.70
S.D. = 0.4 on 11 of 11 obs.

& JUN 25, 1992 03h 45m 38.03s
60.564 N 151.245 W
DEPTH = 51.7km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.6 (AEIC).

SLKM 0.51 96 iPc 45 49.08 -0.6
eS 45 58.57
NNL 0.52 183 ePc 45 50.68 0.9
BKG 0.71 316 iPd 45 51.45 -0.8
eS 46 02.28
DFR 0.71 273 P 45 50.70 -1.5
REF 0.72 265 iPc 45 51.76 -0.7
eS 46 03.06
SPU 0.74 328 iPd 45 51.74 -0.7
eS 46 02.72
RSO 0.75 263 iPc 45 52.18 -0.7
eS 46 03.62
RS2 0.76 263 iPc 45 52.19 -0.7
RS1 0.76 263 iPc 45 52.22 -0.7
RED 0.77 260 iPc 45 52.11 -0.9
CKN 0.81 326 iPd 45 52.89 -0.5
CKL 0.83 320 iPd 45 53.10 -0.7
CGLM 0.83 334 iPd 45 53.24 -0.6
CRP 0.83 328 P 45 53.40 -0.5
S 46 06.00
CPKM 0.85 326 eP 45 53.13 -1.1
BGL 0.90 322 iPd 45 54.09 -0.6
HOM 0.93 193 eP 45 55.44 0.4
eS 46 09.02
SUA 0.94 15 iPd 45 54.57 -0.7
eS 46 08.39
NCG 0.95 333 iPd 45 54.89 -0.6
SEW 1.01 117 eP 45 55.37 -0.7
eS 46 10.04
INE 1.04 242 iPc 45 55.66 -1.0
eS 46 10.32
INW 1.06 243 iPc 45 56.11 -0.9
PMS 1.07 50 P 45 56.20 -0.8
S 46 11.20
PTE 1.13 74 ePd 45 56.99 -0.8
PWA 1.28 31 P 46 00.10 0.3
S 46 17.00
SKT 1.43 355 ePd 46 01.67 -0.3
eS 46 20.74
PLRM 1.46 44 eP 46 04.36 2.1
KNK 1.60 57 ePc 46 03.41 -1.0
AUE 1.61 222 eP 46 03.76 -0.8
AUL 1.62 224 eP 46 04.57 0.0
AUP 1.63 223 eP 46 04.85 0.0
GHO 1.65 42 eP 46 04.22 -1.0
eS 46 27.37
PDB 1.67 243 ePc 46 04.07 -1.2
eS 46 25.23
SML 1.88 47 eP 46 07.15 -1.2
CUT 1.91 14 eP 46 08.90 0.3
CDD 2.04 218 eP 46 10.29 -0.3
SYI 2.05 197 eP 46 09.82 -0.8
SCM 2.28 54 eP 46 12.27 -1.8
HIN 2.35 92 eP 46 11.85 -3.2
VLZ 2.47 75 eP 46 13.96 -2.6
CVA 2.71 88 P 46 17.50 -2.6
KLU 2.75 68 ePd 46 18.81 -2.0
TOA 2.89 55 eP 46 21.49 -1.3
TRF 2.93 8 eP 46 22.95 -0.5
KTH 3.00 3 eP 46 24.58 0.2
PAX 3.66 46 eP 46 32.28 -1.3
GLB 3.73 73 eP 46 31.49 -3.0
47 obs. associated

? JUN 25, 1992 04h 22m 10.90± 1.20s
45.451 N ±10.3km 14.666 E ± 8.1km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 2.4 (LJU).

RIY 0.22 241 i(Pg) 22 15.70 0.0
iSg 22 17.70
CEY 0.33 330 ePg 22 17.70 -0.1
iSg 22 24.90
VOY 0.79 317 e(Pg) 22 26.50 0.1
eSg 22 40.00
PTJ 1.01 63 eP 22 30.10 0.0
S.D. = 0.2 on 4 of 4 obs.

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* JUN 25, 1992 04h 27m 10.37± 0.83s
51.442 N ±14.2km 173.516 W ± 8.8km
DEPTH = 33.0km (normal)
4.3mb (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 2.02 284 eP 27 44.53 1.8
SDN 8.70 58 eP 29 17.10 0.3
KDC 13.69 54 (P) 30 28.95 4.7X
SVW 13.83 39 eP 30 28.30 2.2
TTA 14.85 32 (P) 30 41.33 1.8
SLKM 15.80 46 eP 30 50.59 -1.2
PMS 16.41 44 eP 30 59.00 -0.5
KLU 18.12 46 eP 31 18.98 -1.9
TOA 18.24 44 eP 31 22.60 0.3
FBA 18.93 35 eP 31 27.96 -2.7X
0.9s 9.17nm 4.0mb
BALM 19.62 49 eP 31 36.44 -2.3X
RMW 33.28 76 eP 33 47.72 1.1
LON 33.60 77 eP 33 50.65 1.3
PNT 33.79 72 eP 33 51.00 0.0
0.6s 4.00nm 4.5mb
NEW 35.74 72 eP 34 08.00 0.3
0.9s 17.54nm 5.0mb
SES 38.34 66 ePd 34 29.70 0.2
BW06 43.11 75 eP 35 09.00 -0.2
0.9s 4.24nm 4.2mb
DAU 43.44 79 iPd 35 13.12 1.1
FCC 43.49 48 eP 35 13.00 1.3
MSU 44.02 82 (P) 35 16.17 -0.4
SRU 44.67 80 eP 35 21.96 0.1
ULM 46.85 59 eP 35 39.50 0.9
GOL 47.47 76 eP 35 43.60 -0.4
0.6s 2.19nm 4.3mb
FVM 57.49 68 iPd 36 56.88 -1.5
0.6s 6.59nm 4.9mb
EMM 64.92 49 eP 37 47.52 -0.9
LHS 65.48 65 eP 37 51.32 -0.8
HBF 66.85 66 (P) 38 00.69 -0.2
NB2 67.81 358 P 38 05.00 -1.6
0.7s 0.80nm 3.9mb
HFS 68.63 356 eP 38 09.30 -2.3
0.4s 1.30nm 4.4mb
GEC2 79.90 355 P 39 16.50 -0.5
0.9s 1.17nm 3.9mb
S.D. = 1.2 on 27 of 30 obs.

JUN 25, 1992 04h 37m 51.78± 0.24s
51.602 N ± 5.3km 173.454 W ± 3.2km
DEPTH = 33.0km (normal)
5.1mb (69 obs.) 4.4Msz (2 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 24C
Centroid Location:
Origin Time 04:37:55.8 0.7
Lat 51.73N 0.10 Lon 173.62W 0.16
Dep 31.1 8.1 Half-duration 1.5
Moment Tensor; Scale 10**16 Nm
Mrr= 3.06 0.29 Mtt=-2.50 0.40
Mff=-0.56 0.32 Mrt= 2.97 1.07
Mrf=-0.88 1.07 Mtf= 2.52 0.57
Principal Axes:
T Val= 4.36 Plg=65 Azm=354
N 0.93 14 116
P -5.29 20 212
Best Double Couple:Mo=4.8*10**16
NP1:Strike=324 Dip=28 Slip= 121
NP2: 110 67 75

ADK 2.03 279 eP 38 24.30 0.0
SDN 8.59 59 eP 39 55.60 -1.0
KDC 13.57 55 eP 41 04.20 0.2
ANM 13.67 15 eP 41 05.36 0.0
SVW 13.68 39 eP 41 07.60 2.1
REF 14.56 44 ePd 41 16.82 -0.4
TTA 14.70 33 eP 41 18.44 -0.4
1.2s 50.20nm 4.8mb
CPKM 15.14 42 (P) 41 24.09 -0.7
CRP 15.17 42 eP 41 25.63 0.5
SLKM 15.67 46 eP 41 29.33 -2.1X
PMS 16.27 44 eP 41 38.40 -0.8
PMR 16.61 44 eP 41 44.70 1.4
IMA 17.62 27 eP 41 57.80 1.7
KLU 17.98 46 eP 41 57.70 -2.8X
TOA 18.10 44 eP 42 00.90 -1.1
FBA 18.78 35 eP 42 08.00 -2.2X
BALM 19.48 49 eP 42 14.89 -3.8X
BRW 21.16 15 eP 42 35.90 0.0
SIT 22.67 61 eP 42 54.00 3.0
1.1s 65.90nm 5.0mb
MCW 32.05 75 iPc 44 18.26 0.9
MBC 32.17 21 ePd 44 18.00 0.0
0.9s 10.00nm 4.7mb
GMW 32.57 77 iPc 44 22.80 1.0
YKA 32.64 47 eP 44 23.70 1.5
0.6s 6.20nm 4.7mb
BMW 32.78 79 eP 44 23.21 -0.5
RMW 33.20 76 iPc 44 28.03 0.6
LON 33.52 78 iPc 44 30.59 0.4
SHW 33.52 79 eP 44 30.19 -0.1
PNT 33.71 72 iPc 44 32.50 0.8
0.7s 37.00nm 5.4mb
DPW 35.18 74 eP 44 44.63 0.2
FHC 35.26 88 eP 44 46.86 1.7
0.9s 73.80nm 5.6mb
ORV 37.54 88 iPc 45 04.53 0.2
SES 38.24 66 ePc 45 09.90 -0.2
1.0s 89.00nm 5.6mb
ARN 38.85 91 ePc 45 16.09 0.7
HPI 40.36 77 eP 45 29.37 1.2
BONR 40.50 87 iPc 45 30.51 1.2
PHAM 40.52 92 iPd 45 30.38 1.2

```
BCH     41.13  92 iPc    45 35.27   1.0
HVU     41.64  79 eP     45 39.10   0.6
ISA     41.83  90 iPc    45 39.82  -0.1
        0.9s   27.81nm           5.0mb
TPNV    42.40  87 eP     45 45.55   0.8
DUG     42.55  81 eP     45 46.18   0.3
        0.8s   12.09nm           4.7mb
SSK     43.26  91 eP     45 52.42   0.6
FCC     43.36  48 ePd    45 53.40   1.4
DAU     43.37  80 iPc    45 53.67   0.8
ARUT    43.62  84 eP     45 54.94   0.3
PEC     43.80  91 eP     45 55.45  -0.6
        0.4s    1.95nm           4.2mb
               ePPP      46 07.90
MSU     43.96  82 iPc    45 57.94   0.5
PLM     44.34  92 eP     46 01.26   0.7
RSSD    45.56  71 eP     46 09.69  -0.5
        0.5s   18.17nm           5.2mb
GLA     45.81  90 eP     46 12.06  -0.1
ULM     46.73  59 ePc    46 19.90   0.8
GOL     47.40  77 eP     46 24.06  -0.8
        0.8s   23.62nm           5.3mb
BJI     48.57 285 eP     46 31.00  -2.6
ALO     49.77  82 eP     46 43.09  -0.1
        1.2s   18.83nm           5.0mb
GUA     50.57 237 e(P)   46 43.50  -5.6X
SSE     51.33 273 P      46 55.70   0.9
        1.0s   18.00nm           5.0mb
               i         47 10.50
ACO     53.08  75 iPc    47 07.50  -0.5
MEO     54.70  77 iPc    47 18.00  -1.8
TUL     55.62  74 eP     47 24.00  -2.5
        1.0s   60.50nm           5.6mb
               i         47 25.00
               e         47 31.40
               e         47 37.40
VVO     56.04  74 ePc    47 27.60  -1.9
               i         47 28.40
               e         47 36.70
               e         47 40.70
FVM     57.39  69 eP     47 37.08  -2.0
EEO     57.74  54 ePc    47 46.80   5.3X
OLY     58.47  71 iPc    47 44.50  -2.2
LZH     58.50 290 iPc    47 47.00  -0.1
        1.4s   41.00nm           5.3mb
    Z   20s     0.54um           4.7Msz
               pP        47 59.00  42kmX
               sP        48 04.00
LST     58.79  69 eP     47 47.63  -1.3
ACTO    59.31  57 P      47 52.15  -0.3
TYNO    59.76  58 P      47 54.85  -0.7
WLVO    59.96  56 P      47 56.64  -0.2
STCO    60.05  57 P      47 57.09  -0.4
PWLA    60.84  70 iPc    48 01.40  -1.6
TKL     62.84  66 eP     48 14.91  -1.5
BNH     63.08  52 iPc    48 16.95  -0.9
NAV     63.34  63 iPc    48 19.14  -0.6
BLA     63.62  63 iP     48 21.07  -0.5
        0.8s   51.06nm           5.7mb
LVNJ    64.06  57 eP     48 24.09  -0.3
TXNY    64.10  56 P      48 24.50  -0.1
TBR     64.10  56 eP     48 23.37  -1.3
CVL     64.14  61 iPd    48 24.82  -0.1
PNJ     64.31  56 iP     48 26.00   0.1
               pP        48 38.70  44kmX
GMTN    64.31  56 iP     48 26.20   0.2
HRV     64.46  53 eP     48 26.19  -0.7
        0.9s   37.70nm           5.5mb
CBN     64.57  60 eP     48 27.50  -0.2
        0.9s   45.00nm           5.6mb
PRM     64.78  67 eP     48 27.89  -1.2
               ePcP      48 40.95
EMM     64.78  49 iPc    48 27.88  -1.1
LMN     65.19  47 eP     48 32.50   0.9
JSC     65.26  66 iPc    48 31.39  -0.8
CEH     65.31  63 eP     48 32.24  -0.2
        0.7s   40.12nm           5.6mb
LHS     65.37  65 iPc    48 32.29  -0.6
KAF     65.55 350 iP     48 31.90  -1.7
        0.6s    8.70nm           5.0mb
SGS     66.48  66 eP     48 39.45  -0.5
HBF     66.75  66 eP     48 41.33  -0.3
               ePcP      48 55.00
KMI     66.98 282 Pc     48 45.00   1.4
        1.0s   50.00nm           5.6mb
               pP        48 56.50  38kmX
NUR     67.30 350 eP     48 42.80  -2.0

        0.6s   12.70nm           5.2mb
NB2     67.65 358 P      48 45.60  -1.4
        0.7s    4.40nm           4.7mb
HFS     68.47 356 eP     48 50.30  -1.8
        0.4s    7.20nm           5.1mb
    Z   17s     0.17um           4.3MszX
               LR        13 29.00
EKA     73.13   6 P      49 20.00  -0.2
        1.1s    8.70nm           4.7mb
CHG     74.02 280 eP     49 27.80   1.8
DMU     74.27   8 eP     49 26.70  -0.2
DCN     74.79   9 eP     49 29.00  -0.8
GUN     74.82 296 PKPc   49 32.20   1.2
        0.4s   20.00nm           5.5mb
DLF     74.90   8 eP     49 27.60  -2.9
KKN     75.25 296 PKPc   49 32.60  -0.6
        0.6s   31.00nm           5.5mb
PKI     75.35 296 PKPc   49 33.00  -0.9
DZM     75.45 199 iPc    49 33.50  -0.6
GKN     75.45 297 PKPc   49 33.40  -0.9
        0.4s   21.00nm           5.5mb
DMN     75.49 296 PKPc   49 34.00  -0.7
        0.8s   72.00nm           5.7mb
ETA     75.52   8 eP     49 34.00  -0.1
ECB     75.80   8 eP     49 35.50  -0.1
ECP     76.02   8 eP     49 35.80  -1.1
CLL     77.32 356 iPc    49 43.70  -0.4
        1.1s   18.00nm           5.0mb
KSP     77.60 354 iPc    49 45.00  -0.7
BRG     77.71 355 iPc    49 46.40   0.1
        1.0s   20.00nm           5.1mb
               i         49 58.80
ENN     78.01   0 eP     49 43.50  -4.4X
        0.9s    9.00nm           4.8mb
MOX     78.04 357 iPc    49 48.20   0.1
        1.1s   20.00nm           5.1mb
               e         50 01.00
DOU     78.67   1 Pd     49 51.80   0.2
GRF     79.01 357 iPc    49 54.40   0.9
        1.0s   44.00nm           5.4mb
    Z   20s     0.10um           4.1Msz
               e(pP)     50 07.40  44kmX
KHC     79.47 355 eP     49 55.00  -1.0
        1.0s   10.50nm           4.8mb
               i         49 56.50
               e         50 09.20
GEC2    79.75 355 P      49 55.70  -1.9
        0.8s    6.66nm           4.7mb
FLN     79.84   5 iPc    49 57.70  -0.2
        1.0s   22.80nm           5.1mb
LDF     80.02   4 iPc    49 58.60  -0.3
        0.8s   11.95nm           4.9mb
ZST     80.17 353 eP     50 00.60   0.9
GRR     80.19   5 iPc    49 59.80   0.0
        0.9s   14.90nm           5.0mb
CDF     80.36 360 iPc    50 01.00   0.1
        0.8s   13.95nm           5.0mb
SRO     80.45 352 eP     49 59.00  -2.2
LPF     80.53   5 iPc    50 01.90   0.3
        0.9s   13.25nm           4.9mb
HAU     80.77   0 iPc    50 03.20   0.2
        0.7s   11.35nm           5.0mb
BSF     80.95 360 iPc    50 04.10   0.1
        0.8s   18.55nm           5.1mb
MAIO    80.96 319 iPc    50 04.80   0.6
SLE     81.00 359 ePd    50 04.40   0.2
ZLA     81.28 359 ePd    50 06.30   0.6
WTTA    81.42 356 iPc    50 07.00   0.4
        1.0s   20.90nm           5.1mb
LOR     81.48   2 iPc    50 06.90   0.2
        0.6s   10.00nm           5.0mb
KBA     81.53 355 iPc    50 08.00   0.9
        0.7s   21.90nm           5.3mb
               i         50 20.90
SSF     81.68   2 iPc    50 08.00   0.3
        0.7s   16.00nm           5.1mb
LBF     81.77   2 iPc    50 08.30   0.1
        0.8s   11.30nm           4.9mb
MLR     81.85 346 eP     50 08.00  -0.8
LLS     81.89 358 ePd    50 09.90   0.9
MFF     82.01   5 iPc    50 09.80   0.4
        0.9s   22.75nm           5.2mb
OSS     82.04 358 ePd    50 10.10   0.3
SMF     82.11   2 iPc    50 10.30   0.4
        0.9s   19.15nm           5.1mb
BGF     82.17   3 iPc    50 10.60   0.4
        1.1s   15.15nm           5.0mb

VDL     82.26 358 ePd    50 12.10   1.1
TCF     82.42   3 iPc    50 11.90   0.3
        0.8s   10.05nm           4.9mb
LSF     82.43   4 iPc    50 12.00   0.4
        0.8s   23.65nm           5.3mb
MAF     82.50   3 iPc    50 12.50   0.5
        0.7s    8.50nm           4.9mb
PTJ     82.54 353 iP     50 14.70   2.4
TMA     82.65 358 ePd    50 13.70   0.7
DIX     82.70 359 ePd    50 14.80   1.5
MMK     82.72 359 ePd    50 15.00   1.6
OUE     82.86 311 eP     50 15.60   1.3
        1.0s   36.00nm           5.4mb
VBY     82.98 354 eP     50 14.50   0.0
               esP       50 30.50
               e         50 37.20
RJF     83.38   4 eP     50 17.20   0.7
        0.6s    5.50nm           4.9mb
LFF     83.71   4 iPc    50 18.90   0.7
        0.8s   16.50nm           5.2mb
CAF     83.78   3 iPc    50 19.30   0.7
        1.0s   11.00nm           5.0mb
LPO     83.98   4 iPc    50 20.10   0.5
        1.0s   16.00nm           5.1mb
WRA     84.58 228 P      50 22.90   0.1
        0.5s    1.20nm           4.3mb
SBF     84.91 359 eP     50 24.80   0.4
        0.8s   21.65nm           5.4mb
FRF     85.22 360 iPc    50 26.50   0.7
        0.8s   15.05nm           5.2mb
LRG     85.32   0 iPc    50 27.20   0.9
        0.9s   18.65nm           5.3mb
LMR     85.45   0 iPc    50 27.90   1.0
        1.1s   27.35nm           5.4mb
EPF     85.59   5 eP     50 27.80   0.0
        0.9s   10.95nm           5.1mb
PGF     86.21 358 iPc    50 31.30   0.4
        1.0s   43.20nm           5.6mb
HYB     87.21 295 eP     50 36.00  -0.1
ASPA    88.00 227 eP     50 39.70   0.2
        0.9s    8.30nm           5.0mb
STK     92.03 217 eP     50 58.90   0.8
        0.5s    1.60nm           4.7mb
               i         51 12.00
BCAO   123.25 346 ePKPc  56 48.50   1.7
        1.0s   10.00nm
PDCR   126.45  60 ePKP   56 52.70  -0.3
BUL    144.16 323 iPKPd  57 24.00  -1.8
        0.6s   13.33nm
               ipP       57 37.20
MAW    148.71 218 iPKP   57 35.80   4.2X
        1.0s   19.00nm
SLR    149.33 319 ePKP   57 36.70   2.6X
        1.0s   15.00nm
PRY    150.72 319 ePKP   57 41.00   4.8X
     S.D. = 1.0  on 161 of 171 obs.
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   JUN  25, 1992  04h 44m 30.34± 0.63s
   38.798 S ± 4.6km  175.740 E ± 6.6km
   DEPTH = 156.9 ±  8.7 km
   4.8mb (  1 obs.)
 NORTH ISLAND, NEW ZEALAND       (159)

PATZ     0.58  44 P      44 52.80  -0.4
UTU      0.71  30 eP     44 53.40  -0.5
MOZ      0.79 291 Pc     44 54.60   0.2
               S         45 11.70
TAZ      0.83  47 P      44 54.20  -0.4
WLZ      0.96 353 Pc     44 55.40  -0.3
               eS        45 12.60
WAHZ     1.02 152 Pc     44 57.40   1.2
PAHZ     1.03  94 P      44 56.50   0.2
TTH      1.12 132 P      44 58.50   1.4
BSZ      1.18 212 P      44 58.90   1.3
URZ      1.20  64 Pc     44 56.70  -1.1
               eS        45 14.20
NRZ      1.51 248 P      45 02.00   1.2
NOZ      1.81  85 P      45 04.30   0.3
PGZ      1.86 167 Pc     45 05.70   1.0
KUZ      2.05 360 Pd     45 06.40  -0.4
               S         45 32.70
PUZ      2.10  71 eP     45 06.80  -0.7
               S         45 32.10
KIW      2.16 197 Pc     45 08.60   0.5
HBZ      2.35  60 eP     45 09.80  -0.5
CAW      2.36 192 Pc     45 11.00   0.4
MTW      2.37 184 P      45 10.90   0.3
```

25d 04h

DIW 2.44 214 P 45 11.80 0.2
AMW 2.51 180 P 45 12.70 0.4
MRW 2.56 198 P 45 13.10 0.2
eS 45 43.80
BLW 2 58 184 Pc 45 13.40 0.2
WEL 2.59 196 eP 45 13.50 0.1
eS 45 45.20
MOW 2.65 188 Pc 45 14.10 0.0
TCW 2.66 205 P 45 14.40 0.2
WCZ 3.06 338 Pc 45 19.60 0.3
ORZ 3.20 230 eP 45 20.50 -0.5
THZ 3.67 215 eP 45 27.20 0.0
eS 46 10.20
KHZ 3.98 204 P 45 30.80 -0.4
DSZ 4.21 224 eP 45 32.90 -1.4
LTZ 4.77 212 eP 45 39.70 -1.9
eS 46 31.60
MQZ 5.43 204 P 45 48.00 -2.3
eS 46 45.60
ODZ 7.31 210 eP 46 13.80 -1.7
eS 47 30.70
ASPA 38.48 281 iPd 51 41.40 2.8
0.4s 8.00nm 4.8mb
S.D. = 1.0 on 35 of 35 obs.

JUN 25, 1992 04h 48m 01.19± 0.25s
40.803 N ± 2.8km 19.551 E ± 2.4km
DEPTH = 14.8 ± 2.0 km
ALBANIA (391)
ML 3.3 (TTG), 3.2 (TIR).

VLO 0.34 187 iPg 48 08.60 0.3
iSg 48 17.50
TIR 0.59 24 iPgc 48 12.00 -0.7
iSg 48 22.50
TPE 0.62 145 iPgd 48 13.00 -0.1
LACI 0.84 8 ePg 48 17.00 0.0
iSg 48 30.50
SRN 0.98 159 iPgd 48 20.30 0.9
LSK 1.03 129 ePg 48 19.30 -1.0
iSg 48 35.00
PHP 1.11 37 iPgd 48 18.90 -2.6
iSg 48 35.00
ULC 1.18 349 iPgd 48 22.56 -0.2
iSg 48 39.78
SDA 1.21 358 iPnd 48 24.60 1.3
iSn 48 45.00
LCI 1.30 249 P 48 24.10 -0.7
eSn 48 43.00
IGT 1.40 154 ePb 48 27.90 1.7
eSb 48 45.54
KKS 1.43 27 ePn 48 28.50 2.0
BDV 1.58 340 iPgc 48 28.42 -0.2
iSg 48 50.67
TTG 1.64 352 iPnc 48 30.23 0.7
iSn 48 53.92
BRT 1.78 273 P 48 32.00 0.3
eSn 49 00.00
PVY 1.82 10 iPnd 48 34.26 2.0
iSn 49 00.91
HCY 1.82 335 iPnc 48 31.41 -0.8
iSn 48 55.80
SKO 1.84 50 iPn 48 33.40 0.9
0.6s 248.00nm
iSg 48 58.10
Lg 49 02.10
NKY 2.05 349 iPnd 48 36.00 0.4
iSn 49 03.02
BAI 2.06 280 P 48 35.50 -0.1
IVA 2.08 7 iPnc 48 37.95 1.9
iSn 49 06.76
GRG 2.17 85 ePn 48 37.38 0.1
eSn 49 04.82
BRY 2.23 341 iPnc 48 37.33 -0.9
iSn 49 06.27
VAY 2.34 76 iPn 48 39.60 -0.1
LIT 2.35 106 ePn 48 40.42 0.6
eSn 49 09.94
ORI 2.48 254 P 48 42.70 1.0
eSn 49 14.00
PLE 2.53 357 iPnc 48 43.36 0.9
iSn 49 16.18
KNT 2.56 81 ePn 48 42.50 -0.3
eSn 49 13.02
ROI 2.59 243 P 48 43.40 0.0
CSI 2.70 249 P 48 44.20 -0.6
TDS 2.71 246 P 48 45.40 0.4

AGG 2.78 129 ePn 48 46.98 1.0
SOH 2.89 88 ePn 48 47.82 0.3
eSn 49 21.70
CZI 3.06 240 P 48 50.30 0.4
SRS 3.08 83 ePn 48 50.06 -0.1
eSn 49 26.06
MGR 3.12 259 P 48 50.60 -0.1
SGO 3.24 267 P 48 52.20 -0.2
MMB 3.25 75 iPc 48 52.00 -0.6
VTS 3.27 56 iPc 48 53.00 -0.1
PAIG 3.27 104 ePn 48 52.86 -0.1
OUR 3.41 96 ePn 48 53.98 -0.8
SOI 3.84 226 P 49 00.00 -1.0
eSn 49 44.50
PGB 3.87 62 eP 49 00.00 -1.5
DUI 3.94 284 P 49 02.50 0.1
RZN 3.99 76 iPd 49 03.00 -0.3
SDI 4.42 284 P 49 08.80 -0.4
eSn 50 01.00
KDZ 4.50 77 eP 49 09.00 -1.4
AZI 4.75 286 P 49 12.50 -1.4
ASS 5.62 296 P 49 25.30 -0.9
CEY 6.19 325 e(Pn) 49 21.00 -13.2X
eSn 50 42.00
VOY 6.65 324 ePn 49 38.00 -2.8X
eSn 50 53.40
S.D. = 1.0 on 49 of 51 obs.

? JUN 25, 1992 04h 48m 13.09± 0.74s
59.573 S ±16.8km 24.622 W ±23.7km
DEPTH = 33.0km (normal)
4.8mb (3 obs.)
SOUTH SANDWICH ISLANDS REGION (153)

SNA 14.20 148 e(P) 51 27.60 -6.0X
0.8s 40.30nm 5.1mb
SPA 30.60 180 iPc 54 26.90 1.1
1.0s 14.50nm 4.7mb
MAW 36.53 140 eP 55 16.00 -0.6
1.0s 8.00nm 4.6mb
VAO 39.81 327 eP 55 46.10 1.4
CFA 40.24 294 eP 55 47.70 -0.4
PPD 42.02 321 eP 56 02.60 -0.1
SIV 50.99 313 P 57 12.40 -1.2
CCH 51.72 306 eP 57 19.00 -0.4
ITR 51.77 343 eP 57 20.10 0.7
LPB 53.29 305 P 57 32.00 0.7
ZOBO 53.53 305 iPc 57 33.00 -0.3
YKA 139.67 314 ePKP 07 36.70 -0.8
0.9s 1.80nm
MBC 147.76 333 ePKP 07 55.00 4.0X
1.0s 6.00nm
S.D. = 0.9 on 11 of 13 obs.

& JUN 25, 1992 05h 24m 55.37s
36.114 N 120.054 W
DEPTH = 6.0km (geophysicist)
CENTRAL CALIFORNIA (39)
<PAS-P>. ML 2.6 (PAS).

PKEM 0.07 220 iPc 24 56.38 -0.8
PHAM 0.39 225 eP 25 02.20 -1.1
BCH 0.93 182 eP 25 12.08 -1.4
ISA 1.36 109 eP 25 19.39 -1.5
ABL 1.43 151 eP 25 19.61 -2.5
ARN 1.71 317 (P) 25 23.89 -2.0
BONR 2.31 37 (P) 25 33.89 -1.0
TNP 3.00 48 eP 25 46.61 2.1
TPNV 3.18 74 (P) 25 51.23 4.3
ARUT 5.55 71 eP 26 19.64 -1.1
10 obs. associated

? JUN 25, 1992 05h 39m 55.48± 1.27s
16.032 N ±12.1km 61.238 W ±10.3km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
ML 2.2 (FDF).

MGG 0.14 214 ePc 39 58.70 0.0
S 40 02.80
DEG 0.33 31 iPd 40 02.28 0.0
S 40 09.90
DOG 0.37 270 iPc 40 03.28 0.3
S 40 11.30
PAG 0.43 270 eP 40 03.91 -0.3
S 40 12.50
S.D. = 0.4 on 4 of 4 obs.

JUN 25, 1992 06h 30m 51.00± 0.12s
28.314 S ± 3.7km 176.716 W ± 3.5km
DEPTH = 20.0km (geophysicist)
6.1mb (86 obs.) 6.5Msz (46 obs.)
KERMADEC ISLANDS REGION (177)
Mo=1.3*10**19 Nm (PPT). Felt
(IV) on Raoul Island. Depth from
broadband displacement
seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=78 Slip= 90
NP2: 200 12 90
Principal Axes:
T Plg=57 Azm=290
P 33 110
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 17 Focal mech. M
Energy 3.0±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 30 No. of sta: 23
Moment Tensor; Scale 10**18 Nm
Mrr= 3.10 Mtt=-2.17
Mff=-0.94 Mrt= 1.02
Mrf= 5.42 Mtf=-2.11
Principal axes:
T Val= 6.89 Plg=55 Azm=266
N -0.81 19 25
P -6.08 29 126
Best Double Couple:Mo=6.5*10**18
NP1:Strike=256 Dip=24 Slip= 144
NP2: 20 76 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, **C M.W.: 25S, 36C
Centroid Location:
Origin Time 06:31: 1.1 0.1
Lat 28.17S 0.01 Lon 176.22W 0.01
Dep 48.2 0.6 Half-duration 6.8
Moment Tensor; Scale 10**18 Nm
Mrr= 3.96 0.05 Mtt=-1.30 0.05
Mff=-2.66 0.05 Mrt= 0.09 0.06
Mrf= 5.18 0.09 Mtf=-1.89 0.03
Principal Axes:
T Val= 6.89 Plg=60 Azm=258
N -0.78 15 15
P -6.10 26 112
Best Double Couple:Mo=6.5*10**18
NP1:Strike=232 Dip=23 Slip= 130
NP2: 10 72 75

RAO 1.41 228 P 31 24.30 8.7X
HBZ 10.16 203 eP 33 18.30 -0.5
KUZ 10.55 215 eP 33 27.50 3.3X
PUZ 10.60 202 eP 33 21.00 -3.9X
WCZ 10.73 223 eP 33 31.60 5.0X
OUZ 10.74 228 eP 33 33.20 6.5X
SVA 11.08 335 ePd 33 32.40 1.1
NOZ 11.17 202 eP 33 29.30 -3.3X
VUN 11.17 336 ePc 33 34.30 1.6
URZ 11.18 206 eP 33 28.40 -4.3X
WLZ 11.50 212 eP 33 36.70 -0.4
KRO 11.52 341 eP 33 38.90 1.4
TVI 11.74 344 eP 33 39.80 -0.7
SGE 11.76 334 eP 33 46.60 5.8X
MBU 12.05 339 eP 33 45.20 0.6
NDE 12.23 342 eP 33 46.30 -0.9
MOZ 12.38 213 eP 33 49.10 0.1
UDU 12.48 345 eP 33 48.90 -1.4
YSA 12.71 334 eP 33 55.30 1.9
WAHZ 12.72 205 eP 33 48.00 -5.6X
BSZ 13.38 209 eP 34 01.70 -0.5
NRZ 13.45 213 eP 34 09.30 6.1X
PGZ 13.56 203 P 33 59.50 -5.1X
MNG 13.85 206 eP 34 01.40 -7.0X
eS 36 33.20
KIW 14.28 207 P 34 07.40 -6.7X
MTW 14.31 204 eP 34 04.80 -9.7X
CAW 14.43 206 eP 34 07.70 -8.4X
DIW 14.64 209 eP 34 10.80 -8.0X
MRW 14.68 206 eP 34 12.70 -6.5X
eS 36 54.50

TCW	14.83	207	eP	34 12.90	-8.4X
ORZ	15.29	212	eP	34 22.10	-5.2X
THZ	15.87	210	eP	34 30.10	-4.7X
KHZ	16.14	207	eP	34 31.70	-6.5X
DSZ	16.35	212	eP	34 35.90	-5.0X
DZM	16.45	288	iPd	34 49.00	6.6X
			iS	38 03.10	
RAR	16.92	69	P	34 40.00	-8.2X
			S	37 30.00	
RAR	16.92	69	ePn	34 43.54	-4.7X
LTZ	16.97	209	eP	34 42.40	-6.4X
PVC	17.32	304	iPc	34 57.70	4.5X
BKM	17.42	304	iPd	34 59.20	4.7X
MOZ	17.58	206	eP	34 47.90	-8.4X
			eS	37 57.10	
ODZ	19.49	208	eP	35 15.30	-4.4X
MHZ	20.09	210	eP	35 23.60	-2.5X
LSCZ	20.09	210	eP	35 23.40	-2.7X
SBCZ	20.10	210	eP	35 23.90	-2.3
CMCZ	20.16	210	eP	35 24.00	-2.9X
TLC	20.28	210	eP	35 26.30	-1.9
MSZ	20.41	213	eP	35 28.10	-1.3
BCZ	21.46	210	eP	35 40.10	0.0
TBI	25.00	85	iP	36 17.00	2.0X
	1.3s		440.00nm		5.9mb
BRS	26.96	265	iPd	36 35.20	2.0
			eS	41 40.00	
ARMA	27.62	258	eP	36 42.70	3.3X
	0.8s		249.00nm		6.0mb
			i	36 49.00	22kmX
			i	37 11.00	
RIV	27.99	251	iP+	36 46.00	3.5X
	Z 22s		95.11um		6.3Msz
			i	41 52.00	
HNR	28.89	306	eP	36 49.00	-1.7
CNB	29.56	248	iPc	36 59.80	3.1X
	0.6s		355.00nm		6.3mb
			i	37 23.60	107kmX
PMO	29.79	70	iP	36 57.00	-1.8
	1.2s		105.00nm		5.5mb
CAN	29.85	248	eP	37 01.90	2.6X
			ipP	37 07.60	20kmX
			i	37 21.30	
VAH	29.89	70	iP	36 56.40	-3.3X
	1.2s		225.00nm		5.9mb
TPT	30.03	70	iP	36 58.20	-2.7X
	1.2s		260.00nm		5.9mb
RUV	30.12	70	iP	36 58.30	-3.4
	1.2s		235.00nm		5.9mb
BWA	30.29	250	eP	37 03.60	0.4
			ipP	37 09.90	22kmX
			e	37 24.20	
RMO	30.65	265	eP	37 08.50	2.1
	0.5s		106.00nm		5.9mb
MCO	31.58	207	eP	37 19.60	5.4X
TAU	32.39	234	eP	37 25.36	3.9X
CMS	32.52	255	iPc	37 25.70	2.9X
	0.9s		61.00nm		5.5mb
			i	40 14.40	
TOO	32.85	244	iPd	37 28.50	2.9X
	0.9s		471.00nm		6.4mb
			i	37 32.00	12kmX
			i	40 16.00	
			i	45 20.00	
OLP	34.60	263	eP	37 42.00	1.2
			i	37 48.00	21kmX
CTA	34.65	275	iPc	37 42.60	1.3
	0.5s		398.59nm		6.6mb
	Z 21s		1.22um		4.6MszX
			i	39 22.90	
			e	48 10.80	
CTAO	34.65	275	ePc	37 42.08	0.8
			i	37 46.00	13kmX
			(PP)	38 02.00	
			eS	42 40.00	
BFD	35.17	245	eP	37 47.00	1.4
	0.3s		41.00nm		5.8mb
			i	37 52.00	17kmX
			i	40 21.80	
STK	36.09	254	iPc	37 54.90	1.5
	0.6s		38.80nm		5.5mb
			ipP	40 21.90	
			eS	43 35.90	
			iPcS	44 11.40	
			iScS	48 15.20	
RAB	38.08	303	iP+	38 08.00	-2.3
			iS	44 24.00	
ADE	38.28	249	iPc	38 13.50	1.6
PMG	38.80	292	eP-	38 17.00	0.6
FINC	39.85	296	eP	38 28.00	3.0X
OIS	40.34	271	iPc	38 28.50	-0.6
	1.0s		190.00nm		5.8mb
			i	38 32.50	14kmX
			i	40 14.50	
			e	48 37.50	
LAT	40.51	295	eP	38 30.90	0.4
YYYY	41.58	295	eP	38 40.50	1.1
MDG	42.32	296	eP	38 46.80	1.5
MNDI	43.49	293	eP	38 58.00	2.8X
ASPA	44.39	264	iPc	39 02.00	-0.2
			ePcS	44 42.00	
			eS	45 32.60	
			eScS	48 58.70	
WWKK	45.01	296	eP	39 08.70	1.5
WB2	45.18	269	iPd	39 08.10	-0.4
	0.4s		364.40nm		6.7mb
			e	40 54.50	598kmX
			eS	44 46.70	
WRA	45.19	269	P	39 08.40	-0.2
	0.4s		161.90nm		6.3mb
WARB	50.01	258	iPc	39 45.20	-1.0
SBA	50.20	184	ePc	39 52.80	5.9X
MTN	50.82	276	eP	39 51.50	-0.9
MHA	52.24	25	eP	40 02.25	-0.8
HON	52.55	22	P	40 10.00	4.7X
	Z 19s		8.33um		5.8Msz
DHH	52.57	22	eP	40 04.18	-1.3
KIP	52.64	22	eP	40 06.55	0.5
OPA	52.89	22	eP	40 06.85	-1.0
COOL	53.47	251	eP	40 10.20	-2.0
	0.4s		51.00nm		5.9mb
GUA	55.77	313	eP	40 27.10	-1.9
	0.8s		376.12nm		6.5mb
	Z 21s		36.60um		6.4Msz
GUMO	55.84	313	ePc	40 27.84	-1.7
			ec	40 30.74	10kmX
PJG	55.84	313	eP	40 26.50	-3.0X
KLB	56.10	249	eP	40 30.70	-0.6
	0.3s		19.00nm		5.6mb
NWAO	56.20	248	eP	40 31.00	-1.0
MEEK	56.77	255	eP	40 34.50	-1.7
BAL	57.23	250	eP	40 38.00	-1.4
	0.4s		30.00nm		5.7mb
MUN	57.28	248	eP	40 38.00	-1.7
	Z 20s		33.80um		6.4Msz
	N 20s		22.10um		
	E 20s		14.70um		
			e	40 42.00	13kmX
CSY	57.51	207	iPd	40 42.80	2.0
	0.7s		686.00nm		6.8mb
MBL	57.51	262	iPc	40 39.90	-1.6
	0.6s		192.00nm		6.3mb
KUG	58.61	275	eP	40 52.80	3.5X
			e	43 42.00	
NANU	60.76	259	eP	41 03.00	-0.9
	0.4s		29.00nm		5.8mb
WSI	61.73	274	e(P)	41 08.80	-1.9
			e	46 14.00	
SPA	61.85	180	iPc	41 13.40	2.4
	1.0s		260.00nm		6.3mb
	Z 20s		19.82um		6.3Msz
BUNI	64.54	280	ePc	41 28.60	-0.6
TANI	65.46	280	ePc	41 34.00	-1.2
	1.2s		40.00nm		5.4mb
BIP	65.93	295	ePd	41 35.00	-3.1X
KEDI	66.19	274	ePc	41 38.40	-1.5
	1.2s		40.00nm		5.4mb
PCI	66.33	282	ePd	41 41.70	1.0
	1.0s		26.40nm		5.3mb
			e	47 01.70	
KHKI	66.45	273	ePd	41 40.00	-1.5
			e	48 06.00	
CGP	67.32	294	iPd	41 45.50	-1.5
PLP	68.67	296	ePc	41 53.00	-2.4
SJI	70.12	272	iPd	42 05.00	0.6
KKM	73.01	287	ePd	42 21.10	-0.6
	0.6s		162.80nm		6.3mb
PGP	73.21	296	eP	42 21.00	-1.8
AIA	73.37	156	eP	42 24.80	1.9
TGY	73.58	296	eP	42 25.00	0.1
QVP	73.82	297	eP	42 30.00	3.7X
MAW	74.65	200	P	42 33.20	2.9X
KALI	74.91	270	iPc	42 32.00	-0.9
	1.4s		40.00nm		5.3mb
PACI	74.92	271	iPc	42 32.00	-0.9
	1.2s		40.00nm		5.3mb
KAKJ	75.93	325	P	42 38.20	0.2
CHJJ	76.41	324	P	42 39.70	-1.0
IIDJ	76.53	323	P	42 41.60	0.1
WKYJ	76.84	321	eP	42 42.40	-0.9
PENI	76.92	271	iPc	42 42.30	-1.9
	1.2s		40.50nm		5.3mb
MAJO	77.19	324	ePc	42 43.92	-1.2
			esPd	42 52.78	
MAT	77.19	324	P	42 44.00	-1.1
SHK	78.71	319	ePc	42 52.50	-1.0
ERM	79.18	331	ePc	42 56.61	0.8
			esPd	43 05.63	
TATO	79.63	306	eP	42 58.19	-0.5
	1.0s		248.00nm		6.2mb
			ec	43 02.99	15kmX
			esPd	43 06.47	
ADK	79.85	0	eP	42 57.36	-1.8
	1.3s		363.21nm		6.2mb
KUR	79.99	335	eP	43 00.50	0.4
	1.0s		470.00nm		6.5mb
	Z 18s		17.70um		6.5Msz
	N 18s		14.80um		
	E 18s		8.90um		
			e	46 07.00	
			eS	53 02.00	
SAP	80.81	330	eP	43 05.00	0.5
			eS	53 15.00	
SMY	81.10	354	eP	43 04.98	-0.8
	1.1s		441.88nm		6.4mb
	Z 20s		23.44um		6.5Msz
SNA	81.57	178	iPc	43 09.90	1.7
	0.9s		354.62nm		6.4mb
OZH	81.70	304	eP	43 09.20	-0.4
	1.3s		340.00nm		6.2mb
	E 21s		10.10um		
			PcP	43 14.00	
			S	53 19.00	
KGM	82.12	277	ePc	43 12.50	0.4
	0.9s		167.60nm		6.1mb
			e	43 27.30	51kmX
SBC	82.46	44	ePc	43 16.24	2.9
			epPd	43 22.11	19kmX
PAF	82.47	217	eP	43 25.00	11.7X
			ePP	46 50.00	
			eS	54 00.00	
			eSS	58 40.00	
			eSSS	02 12.00	
BCH	82.73	44	eP	43 15.18	0.3
PHAM	82.97	43	eP	43 14.98	-1.1
ABL	83.03	44	eP	43 16.99	0.4
			e	43 28.32	37kmX
PAS	83.23	45	ePc	43 19.51	2.2
			ed	43 27.38	25kmX
			ed	43 31.52	
NWRM	83.32	40	(P)	43 18.31	0.6
ARN	83.33	41	eP	43 18.02	0.2
YSS	83.44	333	iPc	43 18.10	0.0
	1.0s		170.00nm		6.2mb
			ec	43 23.65	18kmX
			esP	43 27.29	
			ed	43 30.60	
			iS	53 40.00	
HKC	83.51	299	iP	43 20.10	1.1
			eS	53 36.00	
PLM	83.54	47	eP	43 19.00	-0.2
SSK	83.57	46	eP	43 20.90	1.6
SSE	83.60	310	ePc	43 18.98	-0.3
	1.0s		63.00nm		5.8mb
	Z 32s		33.80um		6.5MszX
	N 12s		120.00um		
	E 26s		12.40um		
			ec	43 23.37	14kmX
			ePP	46 29.17	
			SKS	53 36.00	
PEC	83.70	46	eP	43 19.62	-0.2
	1.5s		74.86nm		5.7mb
PET	83.79	345	eP	43 19.00	-0.7
			iS	53 40.00	
MCO	83.88	299	eP	43 21.60	0.7
PFO	83.97	47	ePc	43 21.77	0.5
			ec	43 26.90	16kmX
			esPd	43 31.70	
			ed	43 35.92	
ISA	84.03	44	eP	43 22.50	1.0
	1.6s		542.95nm		6.5mb

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25d  06h

                  epPd   43 27.96   17kmX
                  esPd   43 31.94
FHC     84.36  37 eP     43 21.66   -1.3
        1.2s   492.01nm          6.6mb
SDN     84.47   9 iPd    43 21.83   -1.2
        1.0s   513.39nm          6.7mb
     Z  21s      3.31um          5.7Msz
GZH     84.58 300 Pc     43 25.20    0.8
        1.0s   390.00nm          6.6mb
     N  22s      4.62um
     E  21s      9.26um
                  S      53 50.00
GLA     84.68  48 eP     43 25.25    0.5
GSC     84.83  45 eP     43 36.95   11.4X
                  epPd   43 42.99   19kmX
                  esPd   43 47.13
ORV     84.86  40 ePd    43 25.00   -0.5
MZX     84.91  60 (P)    43 19.00   -7.0X
LTCM    84.96  39 (P)    43 25.43   -0.5
OIZ     85.14 294 ePc    43 28.31    1.1
     Z  20s      5.70um          6.0Msz
     N  21s      4.30um
                  ePP    46 48.51
                  eS     53 54.00
IPM     85.36 278 eP     43 34.10    5.6X
BONR    85.64  42 eP     43 29.52   -0.3
NJ2     85.76 310 Pc     43 30.60    0.5
        0.8s    97.00nm          6.1mb
     N  26s     13.70um
     E  23s     12.50um
                  S      53 58.00
LBFM    85.88  38 eP     43 31.31    0.5
TPNV    86.23  44 eP     43 33.94    1.4
TNP     86.37  43 eP     43 32.72   -0.6
        1.1s   128.28nm          6.1mb
AEKI    86.43 274 ePc    43 32.80   -1.2
KVN     86.47  42 eP     43 32.76   -1.0
ACX     86.80  69 (P)    43 39.00    3.5X
SNG     86.96 280 eP     43 38.40    2.1
        1.3s   346.15nm          6.4mb
                  eS     54 12.00
PEL     86.99 126 ePc    43 37.00    0.6
        1.5s   277.78nm          6.3mb
MRX     87.16  66 (P)    43 37.00   -0.2
COR     87.39  35 ePc    43 40.58    2.8X
                  epPd   43 46.62   19kmX
                  ed     43 53.08
AGX     87.41  64 (P)    43 41.00    2.7X
MDJ     87.56 325 iPc    43 38.95    0.4
        1.0s   270.00nm          6.5mb
     Z  21s     25.00um          6.6Msz
     N  22s     16.80um
     E  20s      3.10um
                  ec     43 43.50   14kmX
                  esPd   43 48.47
                  ePP    47 01.30
                  SKS    54 02.00
                  S      54 20.00
III     87.88  68 (P)    43 43.00    2.1
WHN     88.00 306 iPc    43 42.00    1.0
        1.5s   570.00nm          6.7mb
     Z  28s     21.60um          6.4MszX
     N  20s      7.41um
     E  18s      3.12um
                  sP     43 56.50
KDC     88.11  13 eP     43 39.98   -0.9
        1.1s    79.85nm          6.0mb
DL2     88.20 317 Pc     43 42.00    0.2
        1.0s   260.00nm          6.5mb
     Z  26s     12.50um          6.2MszX
     N  21s      7.09um
     E  24s     16.90um
                  SKS    54 07.00
                  S      54 27.00
ARUT    88.50  45 eP     43 43.31   -0.2
UNM     88.60  67 (P)    43 48.00    3.5X
RTBS    88.66 125 iPc    43 50.30    5.9X
BMW     88.77  34 eP     43 44.66    0.2
SNY     88.92 320 iPc    43 44.80   -0.3
        1.2s   310.00nm          6.5mb
     Z  23s     11.10um          6.2MszX
     N  19s      2.82um
     E  20s      6.56um
                  SKS    54 11.50
                  iS     54 26.00
SHW     89.06  34 eP     43 46.15    0.2
IIT     89.15  68 (P)    43 52.00    4.9X
CN2     89.17 322 Pc     43 46.00   -0.3
        1.0s   370.00nm          6.6mb
     Z  27s     23.60um          6.5MszX
     N  23s     10.90um
     E  23s     14.30um
                  PP     47 20.00
                  eS     54 26.00
                  SS     00 29.00
RTCV    89.21 126 e(P)c  43 53.40    6.3X
RTCB    89.23 126 iPd    43 51.80    4.6X
VGB     89.33  36 eP     43 48.28    1.2
TIA     89.39 312 Pc     43 48.40    0.9
        1.4s   910.00nm          6.9mb
     Z  38s     39.90um          6.6MszX
     N  19s      5.45um
     E  18s      3.21um
                  S      54 33.00
OXX     89.50  70 (P)    43 48.00   -0.7
RTLL    89.55 126 e(P)   43 48.00   -0.7
CFA     89.56 126 e(P)   43 48.00   -0.7
LON     89.66  34 eP     43 48.78    0.1
MSU     89.73  45 eP     43 49.53    0.1
GMW     89.74  33 eP     43 48.61   -0.3
IISM    89.90  68 (P)    43 53.00    2.8X
RMW     90.15  34 eP     43 50.21   -0.7
NNT     90.31 284 ePc    43 54.00    1.7
DUG     90.36  43 eP     43 53.61    1.5
        1.5s    54.15nm          5.6mb
MCW     90.51  32 eP     43 52.75    0.3
REF     90.64  12 eP     43 51.24   -1.8
SVW     90.74  10 eP     43 51.52   -1.8
        1.1s    76.87nm          5.9mb
SRU     91.12  45 eP     43 55.25   -0.5
SLKM    91.12  13 eP     43 53.70   -1.4
HVU     91.35  42 eP     43 57.85    1.2
EMUT    91.35  45 eP     43 56.55   -0.3
ALQ     91.39  51 eP     43 57.20    0.1
        1.5s   193.49nm          6.2mb
     Z  22s     19.11um          6.5Msz
DAU     91.44  44 eP     43 57.22   -0.1
CPKM    91.45  12 eP     43 55.10   -1.7
NST     91.45 287 iPc    44 00.00    2.6X
CRP     91.47  12 eP     43 54.62   -2.2
GYA     91.50 299 iPc    43 58.00    0.3
     Z  26s     22.30um          6.5MszX
     N  25s      6.13um
     E  25s      1.12um
SIT     91.93  21 eP     43 59.49    0.7
        1.5s   117.35nm          6.1mb
     Z  20s      4.91um          5.9Msz
MGD     92.05 344 ePc+   43 58.00   -1.3
        1.1s   130.00nm          6.3mb
                  e      47 36.00
                  e      54 27.00
                  eS     54 50.00
                  eSS    01 00.00
ANT     92.19 118 eP     44 01.50    0.6
BJI     92.24 315 ePc    44 00.61    0.0
        1.0s    88.00nm          6.1mb
     Z  36s     23.10um          6.4MszX
     N  19s      4.79um
                  ec     44 06.41   18kmX
                  esP    44 09.80
                  eSKS   54 35.00
                  eSS    01 08.00
PTI     92.25  42 eP     44 01.93    1.1
PMR     92.33  13 eP     43 58.15   -2.4
        1.1s   119.24nm          6.2mb
     Z  20s     10.76um          6.3Msz
KHT     92.34 285 ePc    44 03.80    2.3
HPI     92.34  41 (P)    44 02.43    1.1
TTA     92.42   9 ePc    43 59.86   -1.2
        1.1s   104.29nm          6.2mb
PNT     92.48  33 eP     44 03.00    1.5
        1.6s   231.00nm          6.3mb
NNA     92.90 105 eP     44 09.00    4.7X
        1.1s   253.16nm          6.6mb
KLU     92.90  14 eP     44 02.44   -0.9
ANM     92.99   5 eP     44 02.81   -0.7
NEW     93.03  35 eP     44 05.00    0.9
BDT     93.16 288 eP     44 06.00    0.8
        1.3s   173.00nm          6.3mb
BALM    93.32  16 eP     44 04.25   -1.0
TIY     93.33 311 iPc    44 06.50    0.7
        1.5s   620.00nm          6.8mb
     Z  38s     53.80um          6.7MszX
     N  30s     19.50um
     E  30s     23.70um
                  SKS    54 42.00
TOA     93.40  14 eP     44 06.60    1.0
CRZF    93.60 211 iPc    44 15.00    8.0X
                  ePP    48 09.00
                  ePPP   50 23.00
                  eS     55 24.00
                  eSPP   57 25.00
                  eSS    01 51.00
XAN     93.76 307 iPc    44 08.40    0.6
        1.4s   210.00nm          6.4mb
     N  19s      5.45um
     E  20s     11.10um
                  SKS    54 43.00
KMI     93.89 296 ePc    44 10.29    1.4
        1.5s    70.00nm          5.9mb
     Z  26s     12.30um          6.2MszX
     N  20s      3.60um
     E  20s      7.90um
                  ec     44 16.16   18kmX
                  esPd   44 19.47
                  iPP    47 59.29
CHG     93.95 289 ePc    44 10.50    1.6
        0.9s    71.43nm          6.1mb
                  eS     54 44.00
CHTO    93.95 289 ePc    44 10.18    1.3
                  ec     44 15.98   18kmX
                  esPd   44 19.29
LPA     94.60 134 eP-    44 20.00    8.2X
     Z  19s      8.33um          6.2Msz
                  eSKS   54 48.00
                  eS     55 24.00
GOL     94.74  47 ePc    44 13.26    0.8
        1.4s    93.39nm          6.0mb
     Z  22s     35.56um          6.8Msz
                  epPd   44 19.88   21kmX
                  ePP    47 56.63
GLD     94.86  47 P      44 21.00    8.1X
     Z  22s     31.29um          6.7Msz
ARE     95.12 112 eP     44 21.00    6.2X
COL     95.60  12 ePc    44 13.78   -1.7
                  esPd   44 22.63   56kmX
                  ed     44 29.92
                  ePP    48 05.34
FBA     95.60  12 eP     44 13.09   -2.4
        0.8s    90.70nm          6.3mb
HHC     95.60 314 Pc     44 16.00   -0.2
        1.3s   110.00nm          6.1mb
     Z  28s     19.60um          6.4MszX
     N  22s      9.75um
     E  21s      1.65um
                  PP     48 03.00
                  SKS    54 50.00
HIA     95.69 324 ePc    44 16.00   -0.3
                  esPd   44 24.52
                  ePP    48 04.72
IMA     95.73   9 eP     44 15.03   -1.2
        1.1s    24.91nm          5.6mb
                  ePP    48 14.00
ILT     95.93 359 iPc    44 17.50    0.6
        1.4s    82.00nm          6.0mb
                  i      44 30.00   41kmX
                  esS    54 48.00
                  iPS    55 30.00
CD2     95.94 302 P      44 19.70    1.8
        1.2s    48.00nm          5.8mb
     Z  22s     17.10um          6.5Msz
     N  20s     10.40um
                  SKS    54 50.00
                  sS     55 44.00
BTO     96.46 313 eP     44 22.00    1.9
        1.0s    22.00nm          5.6mb
     N  17s      3.71um
     E  17s      2.25um
                  sP     44 30.00
                  ePP    48 15.00
                  SKS    54 57.00
MEO     96.82  54 iPc    44 22.50    0.8
ACO     97.37  52 iPc    44 26.50    2.3X
SES     97.47  36 eP     44 26.00    1.7
        1.1s    71.00nm          6.1mb
LPB     97.85 113 P      44 34.00    6.6X
                  SKS    55 10.00
                  LR     16 05.00
RSSD    97.95  44 eP     44 25.71   -1.2
        1.1s   126.63nm          6.4mb
     Z  21s     26.87um          6.7Msz
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ZOBO 97.95 113 P 44 30.20 2.1X
1.2s 33.78nm 5.8mb
SKS 55 12.00
LR 16 16.00
LZH 98.38 306 Pc 44 30.00 1.0
1.4s 110.00nm 6.2mb
Z 20s 17.60um 6.6Msz
E 22s 12.20um
pP 44 40.50 33kmX
CCH 98.96 115 eP 44 48.00 15.8X
TUL 99.36 54 PDIF+ 44 35.00 1.8
Z 22s 18.90um 6.5Msz
SKS 57 36.00
LR 16 56.00
YAK 99.73 337 eP 44 34.30 0.1
1.1s 75.00nm 6.1mb
i 56 05.00
BRW 100.33 6 ePdiff44 38.90 2.1
GTA 102.75 308 ePdiff44 49.00 0.4
Z 20s 28.80um 6.8Msz
E 22s 14.30um
pP 44 58.00
sP 45 02.00
BOG 103.31 92 ePdiff45 03.50 11.6X
eS 55 31.50
BOD 103.33 329 ePdiff44 53.80 3.3X
1.2s 15.00nm 5.6mb
SIV 103.76 117 (Pdiff45 11.00 17.6X
FVM 104.13 54 Pdiff 45 00.00 5.4X
Z 19s 10.61um 6.4Msz
SLM 104.54 54 Pdiff 45 10.00 13.7X
Z 22s 9.46um 6.3MszX
LSA 105.14 296 ePdiff45 03.80 4.0X
N 20s 4.16um
ZAK 105.33 319 ePdiff45 01.50 1.9
1.4s 25.00nm 6.0mb
IRK 105.58 321 ePdiff45 02.00 1.3
ULM 105.76 41 ePKP 49 17.50 3.1X
TIK 106.55 344 ePdiff45 04.00 -0.5
MOY 107.20 320 ePdiff45 12.00 4.2X
PPD 107.34 128 ePdiff45 23.90 14.7X
GUN 108.68 292 Pdiff 45 16.80 1.3
0.6s 18.00nm 6.4mb
PKI 108.93 292 Pdiff 45 16.80 0.2
KKN 109.12 292 Pdiff 45 18.20 0.9
DMN 109.20 292 Pdiff 45 18.80 1.1
0.8s 28.00nm
GKN 109.73 292 Pdiff 45 22.60 2.7X
FCC 110.10 33 ePKP 49 24.50 2.3
MBC 110.14 12 ePdiff45 26.00 5.6X
MBC 110.14 12 ePKP 49 20.00 -1.9
1.0s 35.00nm
HYB 110.76 279 ePKP 49 26.50 1.7
CEH 111.74 60 PKP 49 40.00 13.9X
Z 22s 9.74um 6.3Msz
CAR 112.27 90 ePdiff45 44.00 12.5X
MCWV 112.42 56 PKP 49 40.00 12.7X
Z 21s 16.46um 6.6Msz
WMQ 112.81 309 Pdiff 45 29.50 -3.7X
Z 27s 19.90um 6.6MszX
PP 50 16.00
SKS 56 30.00
EEO 115.01 49 ePKP 49 37.00 4.9X
POO 115.30 278 ePKP 49 38.00 4.5X
POO 115.30 278 ePKP 49 32.50 -1.0
NDI 116.08 290 ePKP 49 33.40 -1.3
0.7s 44.52nm
ePP 50 39.00
eSKS 01 51.00
LVNJ 116.47 56 ePKP 49 38.09 3.1X
RSNY 117.58 52 PKP 49 50.00 13.0X
Z 21s 8.97um 6.4Msz
NRI 118.00 336 iPKPc 49 34.70 -2.3
1.4s 146.00nm
Z 22s 55.00um 7.1Msz
E 22s 15.00um
e 49 51.00
e 56 30.00
FRS 118.54 202 iPKPc 49 40.70 1.4
0.8s 78.36nm
BLF 118.84 203 ePKP 49 40.00 -0.1
PRZ 119.01 305 ePKP 49 39.00 -1.1
i 49 46.00
HRV 119.22 55 ePKP 49 41.95 1.8
Z 18s 17.40um 6.7Msz
ePP 51 00.58
TLG 119.91 306 iPKP 49 40.60 -1.0
1.2s 100.00nm
Z 18s 1.20um 5.6Msz
E 20s 2.30um
i 56 44.00
iPS 00 45.00
KSH 120.11 301 ePdiff46 08.00 2.2
KSH 120.11 301 PKP 49 42.20 0.0
Z 24s 11.70um 6.4MszX
N 18s 4.50um
E 18s 6.90um
SKS 56 42.50
PRY 120.37 205 ePKP 49 41.00 -2.1
SLR 121.13 206 ePKP 49 48.50 4.0X
1.2s 54.69nm
Z 22s 7.41um 6.3Msz
FRU 121.82 305 iPKP 49 45.80 0.6
1.4s 170.00nm
e 51 20.00
e 56 50.00
ePS 01 08.00
PDCR 122.28 129 ePKP 49 44.40 -2.4
GAR 124.32 300 ePKP 49 49.20 -1.1
LMN 124.57 52 ePKP 49 50.00 -0.4
QUE 125.08 289 iPKPd 49 52.70 0.6
ITR 125.40 126 ePKP 49 51.10 -1.8
e 49 56.20
e 50 05.70
BUL 125.96 210 iPKPc 49 54.30 0.2
0.9s 21.01nm
i 51 50.60
WIN 127.69 196 iPKPd+49 59.20 1.8
0.8s 22.39nm
Z 20s 15.60um 6.7Msz
GDH 127.79 22 ePKPc 49 56.14 0.3
KBS 129.17 358 ePKP 49 58.00 -0.3
SVE 130.97 322 iPKP 49 56.90 -5.4X
Z 21s 23.50um 6.9Msz
N 21s 8.80um
E 21s 14.40um
i 50 06.00
e 52 19.70
e 55 06.00
e 09 44.00
e 10 08.00
ARU 132.15 322 ePKP 49 56.50 -B.0X
Z 21s 26.00um 6.9Msz
N 21s 8.00um
E 21s 17.00um
i 50 06.50
e 55 26.00
e 04 20.00
MAIO 132.39 295 ePKP 49 55.00 -10.8X
1.2s 52.08nm
KAT 135.19 298 iPKP- 50 15.00 4.2X
Z 22s 9.00um 6.4Msz
N 22s 3.70um
E 22s 11.00um
e 52 44.00
ePPP 55 40.00
e 57 15.00
NAI 136.42 233 ePKPd 50 12.50 -1.7X
APA 136.78 344 iPKPd 50 12.20 -0.8
SHI 137.16 284 ePKP 50 10.00 -5.1X
KTK1 137.62 349 ePKP 50 10.49 -4.1X
TRO 137.66 352 ePKP 50 14.00 -0.6
DHR 138.52 279 ePKP 50 16.00 -1.5
eS 53 02.00
LOF 139.69 354 ePKP 50 10.79 -7.5X
AKU 140.30 14 iPKP 50 19.20 -0.3
1.0s 64.00nm
Z 20s 11.35um 6.6Msz
RYD 141.22 275 ePKP 50 18.00 -4.5X
AAE 141.51 247 PKP 50 26.50 2.9X
MAK 141.70 304 ePKP 50 19.00 -3.7X
i 50 28.00
KER 142.31 290 ePKP 50 27.00 2.7X
MJMA 142.65 276 ePKP 50 23.30 -1.7
GRS 142.89 299 iPKPc 50 19.40 -5.7X
1.2s 100.00nm
Z 22s 6.12um 6.3Msz
N 23s 7.08um
E 23s 3.10um
GRO 142.91 305 iPKP 50 21.00 -3.8X
Z 24s 11.00um 6.5MszX
N 16s 6.50um
E 26s 13.00um
KAF 142.94 342 iPKP 50 18.50 -5.7X
0.5s 28.10nm
BISH 143.31 266 ePKP 50 22.60 -3.7X
PUL 143.55 337 ePKP 50 20.00 -5.3X
1.8s 190.00nm
Z 22s 13.00um 6.7Msz
N 22s 4.60um
E 22s 6.70um
i 50 25.00
e 50 32.00
e 50 38.00
e 57 30.00
MTA 143.81 303 iPKPc+50 23.60 -2.7X
0.8s 140.00nm
i 50 28.60
OBN 144.05 327 iPKPd+50 22.20 -4.1X
1.2s 220.00nm
Z 22s 16.00um 6.7Msz
N 23s 10.00um
E 24s 7.60um
i 50 28.00
e 53 38.00
e 57 36.00
iPPS 06 12.00
iSS 12 20.00
ERE 144.23 300 iPKP+ 50 23.50 -3.8X
Z 28s 5.00um 6.1MszX
i 50 31.00
i 50 36.00
i 53 40.00
e 57 28.00
iPPS 06 10.00
PYA 144.64 307 iPKP+ 50 26.00 -1.8
1.0s 170.00nm
Z 24s 9.80um 6.5MszX
i 53 42.00
NUR 144.72 342 iPKP 50 24.50 -2.8X
0.7s 236.70nm
e 53 44.00
e 12 44.00
KIV 144.93 307 iPKPc 50 26.90 -1.5
e 53 45.50
UOSK 145.21 275 ePKP 50 29.30 -0.1
MOL 145.63 357 ePKP 50 27.49 -1.3
FRO 146.54 359 iPKPc 50 30.11 -0.2
FOO 146.70 358 iPKPc 50 30.60 0.1
NB2 146.84 353 PKP 50 30.70 -0.2
UPP 146.97 347 iPKP 50 29.60 -1.4
0.9s 1000.00nm
HYA 147.09 357 ePKP 50 31.84 0.7
SOC 147.10 307 iPKP+ 50 33.00 1.2
2.5s 940.00nm
Z 22s 7.50um 6.4Msz
N 22s 1.00um
E 22s 1.00um
e 54 01.00
ePPP 57 12.00
eSS 13 44.00
SUE 147.24 359 ePKP 50 32.49 1.1
HFS 147.40 350 ePKP 50 32.00 0.2
0.8s 234.90nm
Z 20s 13.07um 6.7Msz
LR 40 32.00
ASK 147.81 358 ePKP 50 34.36 2.0
BER 147.91 358 iPKPc 50 34.36 1.8
EGD 148.02 358 ePKP 50 34.67 2.0
ODD1 148.33 357 ePKP 50 35.65 2.3X
ANN 148.36 311 iPKP+ 50 36.00 2.3
Z 22s 4.80um 6.2Msz
N 23s 4.00um
E 23s 5.80um
ePPS 06 52.00
KONO 148.37 354 ePKPc 50 35.41 2.1
esP'df50 44.35
ePP 54 05.21
MNK 148.86 332 iPKP 50 35.00 0.8
1.2s 492.00nm
e 54 04.00
KMY 149.08 358 iPKPc 50 37.61 3.2X
MYA 149.14 298 iPKP 50 40.00 4.6X
SVST 150.03 301 ePKP 50 42.00 5.3X
KVT 150.38 304 iPKP 50 43.00 5.9X
WAJH 150.39 274 ePKP 50 38.50 1.1
SIM 150.44 312 iPKP+ 50 40.00 3.0X
i 50 54.00
e 57 40.00
EDR 151.11 7 ePKPc 50 41.10 3.5X
0.9s 379.00nm

25d 06h

AYN 151.32 279 ePKP 50 38.60 -0.1
ELO 151.42 8 ePKPc 50 37.30 -0.8
1.0s 620.00nm
EDU 151.43 7 ePKPc 50 37.20 -0.9
0.9s 494.00nm
EAB 151.61 9 ePKPc 50 42.70 4.3X
0.9s 384.00nm
EBH 151.66 8 ePKPc 50 38.70 0.2
HRI 151.75 288 ePKP 50 39.40 -0.1
BHL 151.80 290 PKP 50 40.00 0.5
S 54 26.00
EDI 152.02 8 ePKPc 50 42.80 3.9X
0.9s 227.00nm
EAU 152.06 8 ePKPc 50 40.90 1.8
1.0s 466.00nm
JVI 152.09 285 ePKP 50 40.00 0.1
ESY 152.09 7 ePKPc 50 38.30 -0.8
1.0s 443.00nm
ATZ 152.16 287 ePKP 50 39.80 -0.2
BCAO 152.17 214 iPKPd 50 41.00 0.5
1.0s 195.00nm
i 50 45.00
i 52 29.00
EBL 152.18 8 ePKPc 50 39.60 0.4
1.1s 157.00nm
HQL 152.19 280 ePKP 50 38.00 -2.0
PRNI 152.32 282 ePKP 50 40.40 0.1
EKA 152.60 8 PKP 50 38.00 -1.8
1.0s 9.20nm
ESK 152.61 8 ePKP 50 41.00 1.2
1.3s 80.00nm
KIS 152.65 320 ePKP 50 45.00 4.9X
i 50 50.00
i 54 36.00
e 57 47.00
WAR 152.68 336 ePKP 50 38.00 -2.0
Z 23s 25.00um 7.0MszX
FAM 153.09 292 ePKP 50 52.50 11.4X
BBTK 153.13 303 ePKP 50 42.00 0.8
ASW 153.14 268 iPKP+ 50 44.00 2.5X
e 53 22.00
LVV 153.32 329 iPKP 50 44.00 3.0X
e 54 34.00
ePPP 58 04.00
DMU 153.36 14 ePKP 50 41.40 0.5
1.2s 102.00nm
CSS 153.64 292 ePKP 50 49.70 7.7X
DCN 153.81 14 ePKP 50 41.90 0.4
1.4s 238.00nm
DLF 154.01 14 ePKP 50 42.40 0.6
1.2s 136.00nm
PTT 154.08 322 ePKP 50 45.00 2.8X
NAL 154.09 305 ePKP 50 41.00 -1.6
PPCY 154.45 292 ePKP 50 56.00 13.0X
GYN 154.46 305 ePKP 50 45.00 1.9
VRI 154.52 320 ePKPd 50 43.50 0.7
ETA 154.64 14 ePKP 50 46.00 3.4X
ETA 154.64 14 ePKP 50 52.50 9.9X
OJC 154.77 335 ePKP 50 42.50 -0.4
0.9s 261.00nm
i 50 47.50
i 50 57.30
i 51 11.60
BRN 154.81 346 ePKP 50 48.00 5.1X
ePP 54 42.00
ECB 154.83 15 ePKP 50 46.80 3.9X
CVO 154.86 320 ePKPc 50 47.00 3.7X
UZH 154.96 329 iPKP 50 41.00 -2.2
2.0s 200.00nm
i 50 47.50
i 50 51.90
i 54 45.00
ISR 155.04 319 ePKPc 50 48.00 4.5X
ECP 155.09 14 ePKP 50 46.60 3.4X
MLR 155.19 320 ePKPc 50 44.00 0.2
GBZT 155.22 307 ePKP 50 47.00 3.2X
ALT 155.32 303 ePKP 50 41.00 -3.2X
YLV 155.35 307 ePKP 50 49.00 4.9X
IZI 155.37 306 ePKP 50 43.50 -0.7
WIT 155.40 355 ePKP 50 45.00 1.4
KSP 155.44 340 ePKP 50 43.00 -0.8
1.0s 167.00nm
i 50 48.50
i 50 52.80
ePP 54 44.60
HLW 155.45 280 (PKP) 50 44.00 -0.5
e 54 52.00

RAC 155.47 336 ePKP 50 48.00 4.1X
e 51 11.00
BUC 155.71 317 ePKPd 50 52.00 7.6X
CLL 155.89 345 ePKP 50 44.00 -0.4
1.5s 105.00nm
KHL 155.98 301 ePKP 50 46.00 0.9
BRG 156.07 343 ePKP 50 43.50 -1.2
Z 22s 9.00um 6.6Msz
N 22s 8.00um
E 22s 3.00um
i 50 45.40
i 50 48.10
i 50 57.80
KCT 156.19 307 ePKP 50 44.50 -0.8
DBN 156.20 357 ePKP 50 44.00 -0.8
Z 20s 8.50um 6.6Msz
ePKPab51 11.00
ePP 54 50.00
ePPS 08 07.00
eSS 14 08.00
eSSS 20 40.00
WTS 156.20 355 ePKP 50 44.20 -0.6
1.0s 53.00nm
DST 156.23 305 ePKP 50 47.50 2.1
BNT 156.46 307 ePKP 50 49.00 3.4X
EDC 156.50 307 ePKP 50 46.00 0.4
DRA 156.63 320 ePKPd 50 57.00 11.4X
MBO 156.66 122 iPKPc 50 51.30 4.8X
LIC 156.66 159 PKP 50 29.60 -17.0X
MOX 156.82 346 ePKP 50 46.60 0.9
1.5s 83.00nm
Z 22s 9.90um 6.6Msz
N 22s 9.40um
KGT 156.85 308 ePKP 50 49.00 2.9X
KIC 156.88 159 PKP 50 29.60 -17.3X
TIC 157.06 158 PKP 50 30.50 -16.6X
BNS 157.19 354 ePKP 50 46.70 0.6
Z 22s 24.70um 7.0Msz
i+ 53 56.00
DIM 157.31 313 ePKP 50 46.00 -0.6
ZST 157.44 335 ePKP 50 45.70 -0.8
i 50 51.40
i 51 20.20
ENN 157.49 356 ePKP 50 46.50 0.0
1.0s 40.00nm
e 51 20.00
ALN 157.52 310 ePKP 50 49.54 2.7X
UCC 157.53 358 PKP 50 51.00 4.5X
e 51 22.00
TIM 157.56 326 iPKPd 50 51.00 4.3X
KDZ 157.59 312 ePKP 50 47.00 0.0
IZM 157.65 303 iPKP 50 49.40 2.2
VKA 157.67 337 iPKPc 50 47.90 1.1
5.0s 1978.00nm
i 51 21.80
i 54 59.70
KHC 157.76 342 PKP 50 47.50 0.5
1.4s 44.00nm
Z 24s 35.60um 7.1MszX
N 24s 11.30um
E 24s 1.10um
i 50 50.60
e 51 21.50
S 05 23.00
EZN 157.79 307 ePKP 50 45.60 -1.6
GRF 157.80 346 ePKP 50 46.40 -0.6
Z 22s 10.00um 6.6Msz
id 50 51.30
e 51 20.10
e(PP)c54 58.40
SNF 157.82 358 iPKPc 50 51.55 4.7X
i 51 21.31
PGB 157.92 316 ePKP 50 48.00 0.6
GEC2 157.98 341 PKP 50 50.30 3.0X
RZN 158.02 313 ePKP 50 47.00 -0.7
PRK 158.06 306 ePKP 50 56.50 9.0X
DOU 158.22 358 PKP 50 49.60 2.2
Z 21s 9.40um 6.6Msz
e 51 23.80
PP 55 03.00
VTS 158.48 317 ePKP 50 48.00 -0.1
KMR 158.56 340 ePKP 50 41.00 -6.8X
i 55 00.80
MMB 158.71 314 ePKP 50 47.00 -1.2
OUR 159.18 311 ePKP 50 51.18 2.5
SOH 159.35 312 ePKP 50 52.30 3.3X
FLN 159.38 7 ePKP 50 48.10 -0.6

1.4s 138.95nm
Z 23s 6.45um 6.4MszX
KNT 159.46 314 ePKP 50 48.70 -0.4
LDF 159.58 6 ePKP 50 48.20 -0.7
1.4s 97.15nm
VAY 159.59 315 iPKP 50 49.00 -0.2
1.2s 403.00nm
i 51 27.60
i 51 32.80
KBA 159.68 340 ePKP 50 44.00 -5.3X
1.0s 68.00nm
i 50 49.30
i 50 55.00
i 51 30.90
i 55 09.70
i 55 30.20
CDF 159.70 352 ePKP 50 47.80 -1.4
1.5s 47.55nm
GRR 159.70 8 ePKP 50 48.50 -0.6
1.2s 73.80nm
PTJ 159.79 334 ePKP 50 48.40 -1.0
NPS 159.82 296 ePKP 50 53.50 3.9X
ZAG 159.85 333 ePKP 50 49.00 -0.3
SKO 159.90 317 ePKP 50 48.50 -1.0
1.2s 395.00nm
i 50 53.00
i 51 30.20
i 51 34.50
i 51 51.30
i 55 15.00
i 01 18.00
i 05 27.00
i 08 37.00
WTTA 159.99 343 ePKP 50 46.00 -3.7X
1.0s 136.00nm
i 50 50.10
i 50 53.80
i 51 29.30
i 51 49.90
LPF 160.03 9 ePKP 50 48.60 -0.8
1.5s 134.75nm
SLE 160.16 350 ePKPd 50 49.70 0.1
HAU 160.20 354 ePKP 50 48.70 -1.0
1.5s 94.55nm
Z 23s 4.03um
LJU 160.20 336 ePKP 50 48.80 -0.9
ePKPab51 33.50
FVI 160.28 340 PKP 50 53.60 3.9X
LIT 160.28 312 ePKP 50 52.86 2.9X
BSF 160.32 353 ePKP 50 48.70 -1.2
1.5s 96.10nm
VBY 160.39 334 ePKP 50 49.60 -0.3
i 50 54.30
iPKPab51 32.40
ATH 160.40 305 ePKP 50 52.00 1.9
VOY 160.43 337 ePKP 50 49.30 -0.7
e 51 31.90
KKS 160.44 319 ePKP 50 54.00 4.0X
CEY 160.50 336 ePKP 50 47.40 -2.6X
iPKPab51 32.50
KZN 160.65 313 ePKP 50 53.00 2.6X
PHP 160.67 318 ePKP 50 47.20 -3.0X
TRI 160.76 337 i(PKP)50 50.00 -0.2
i(PKKP51 33.30
i(PP) 55 14.00
i(SPP)08 42.00
i(SS) 16 20.00
i(SSS)21 44.00
DHR 160.80 316 iPKP 50 49.20 -1.3
1.4s 142.00nm
i 51 32.70
RIY 160.85 336 ePKP 50 52.90 2.6X
AGG 160.92 309 ePKP 50 50.98 0.3
SDA 161.00 320 ePKP 50 52.10 1.6
LOR 161.07 359 ePKP 50 49.80 -0.7
1.1s 91.55nm
Z 23s 9.30um
CTI 161.11 342 PKP 50 51.70 1.0
LACI 161.13 319 ePKP 50 53.20 2.5X
TIR 161.22 318 ePKP 50 54.50 3.7X
SSF 161.28 360 ePKP 50 50.10 -0.6
1.1s 92.80nm
LBF 161.35 359 ePKP 50 50.20 -0.7
1.1s 92.80nm
LSK 161.48 314 ePKP 50 54.00 2.7X
MFF 161.55 7 ePKP 50 50.40 -0.6
1.1s 93.05nm

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AVF    161.55 360 ePKP   50 50.10   -0.9
        1.4s    79.70nm
SMF    161.70 359 ePKP   50 50.30   -0.9
        1.2s    71.10nm
TMA    161.70 348 ePKPd  50 50.70   -0.7
TPE    161.77 315 ePKP   50 52.60    1.2
BGF    161.78   1 ePKP   50 50.70   -0.5
        1.5s   162.95nm
MMK    161.91 349 ePKPd  50 52.40    0.7
VAI    161.95 348 PKP    50 52.10    0.7
DIX    161.97 351 ePKPd  50 52.70    0.9
SRN    162.01 314 ePKP   50 52.30    0.7
TCF    162.04   2 ePKP   50 50.90   -0.6
        1.4s   125.45nm
LSF    162.04   4 ePKP   50 50.60   -0.9
        1.4s    89.30nm
MAF    162.12   2 ePKP   50 51.20   -0.4
        1.6s    72.75nm
KEK    162.24 314 ePKP   50 52.00    0.1
AGO    162.29   0 PKP    50 52.28    0.5
PLDF   162.37 359 PKP    50 52.54    0.6
VLS    162.52 309 ePKP   50 52.00   -0.3
STS    162.59  30 ePKP   50 51.38   -0.8
PYM    162.59   1 PKP    50 52.13   -0.1
LPL    162.61 352 ePKP   50 52.00   -0.4
        1.1s    31.25nm
LSD    162.61 351 PKP    50 54.53    2.1
LPG    162.63 352 ePKP   50 52.10   -0.4
        1.2s    45.50nm
EMON   162.65  27 ePKP   50 52.26    0.0
RSM    162.77 337 PKP    50 57.50    5.2X
COLF   162.82 359 PKP    50 51.76   -0.6
RSP    162.90 350 PKP    50 55.01    2.4X
ARV    162.97 335 PKP    50 53.90    1.3
SFI    162.97 338 PKP    50 53.20    0.7
RJF    162.98   4 ePKP   50 52.00   -0.5
        1.3s    90.60nm
     Z  23s      7.85um
SSB    163.04 357 PKP    50 52.22   -0.4
MME    163.07 341 PKP    50 54.10    1.2
BNI    163.08 352 PKP    50 53.30    0.5
LBL    163.11   0 PKP    50 52.95    0.2
BDI    163.22 341 PKP    50 55.10    2.2
PCP    163.27 347 PKP    50 53.37    0.5
LFF    163.28   6 ePKP   50 52.40   -0.4
        1.4s    72.75nm
FIR    163.29 340 ePKP   50 56.00    3.2X
CAF    163.39   3 ePKP   50 52.70   -0.3
        1.3s    70.05nm
DOI    163.53 350 PKP    50 58.65    5.5X
        0.6s     9.50nm
PZZ    163.56 350 PKP    50 53.78    0.5
LPO    163.58   5 ePKP   50 53.00   -0.1
        1.5s    91.40nm
ERUA   163.60  28 iPKPc  50 52.27   -1.0
ROB    163.63 348 PKP    50 53.58    0.3
FIN    163.65 347 PKP    50 52.45   -0.8
AQU    163.76 332 PKP    50 57.10    3.7X
STV    163.78 350 PKP    50 53.17   -0.3
ENR    163.78 349 PKP    50 54.50    1.1
DUI    163.86 329 PKP    50 56.50    2.9X
IMI    164.00 348 PKP    50 54.96    1.3
AZI    164.05 331 PKP    50 57.10    3.5X
SDI    164.11 330 PKP    50 56.50    2.7X
SBF    164.13 349 ePKP   50 52.50   -1.3
        1.2s   118.10nm
ROI    164.28 319 PKP    50 53.60   -0.4
TDS    164.36 320 PKP    50 54.20    0.2
CDR    164.54 353 ePKPc  50 56.00    1.9
                  e      51 49.30
                  e      55 43.70
FRF    164.55 351 ePKP   50 53.10   -1.0
        1.4s   125.45nm
LRG    164.69 351 ePKP   50 53.40   -0.7
        1.0s    44.00nm
LMR    164.79 351 ePKP   50 53.40   -0.9
        1.2s    49.40nm
BTH    164.96  10 PKPd   51 01.50    7.1X
                  e(pP)  51 10.00
                  sP     52 06.00
                  i      52 22.50
                  e      52 41.50
                  e(PP)  55 19.00
                  ePcPP'00 58.00
ECRI   164.98  17 ePKP   50 43.54  -11.0X
PGF    165.06 343 ePKP   50 53.50   -1.2
        1.2s    77.05nm
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EPF    165.12   8 ePKP   50 54.50   -0.2
        1.0s    41.60nm
SOI    165.56 316 PKP    50 59.50    4.5X
EGRA   165.84  11 ePKP   50 58.27    3.2X
EPLA   165.96  31 iPKPd  50 54.85   -0.5
ETER   166.04   1 ePKP   50 42.66  -12.7X
GUD    166.26  25 iPKPd  50 55.47   -0.3
TOL    166.97  26 ePKPc  50 56.76    0.6
                  ePKPab51 57.67
                  ePP    55 49.97
EBR    167.31  10 ePKP   50 58.00    1.7
EVAL   167.50  40 iPKPd  50 56.21   -0.4
EHOR   168.13  35 ePKP   50 57.90    0.9
ECHE   168.21  16 ePKP   50 56.69   -0.4
GIBL   168.48  40 ePKP   51 04.00    6.7X
EBAN   168.54  29 ePKP   50 56.63   -0.6
ESEL   168.57   2 ePKP   51 00.86    3.7X
EVIA   168.63  24 iPKPc  50 56.72   -0.7
CNIL   168.74  42 ePKP   51 00.00    2.6X
EPRU   168.78  38 ePKP   51 01.29    3.8X
ALJ    168.79  40 ePKP   51 02.00    4.4X
EJIF   169.02  40 ePKP   51 00.06    2.5X
PLAT   169.09  42 ePKP   50 59.50    1.8
EHUE   169.32  26 ePKP   50 59.57    1.7
ACU    169.37  16 ePKP   50 59.12    1.3
MAL    169.39  36 iPKPd  51 00.20    2.4X
                  i      52 14.00
                  i      56 04.00
AVE    169.55  59 ePKP   50 55.00   -3.0X
                  i      51 15.00
EALH   169.70  21 ePKP   50 59.46    1.5
EGUA   169.73  32 ePKP   50 56.52   -1.5
NKM    169.75  44 ePKP   51 04.00    6.0X
                  i      51 06.00
                  i      00 28.00
ENIJ   170.21  27 ePKP   50 57.70   -0.6
TIO    170.46  72 iPKP   51 01.00    2.2
                  i      51 16.00
IFR    171.11  52 iPKP   51 01.00    1.9
                  i      51 07.00
ABA    171.53   1 iPKPd  51 04.00    5.1X
       S.D. = 1.2  on 398 of 594 obs.
-------------------------------------------
     JUN 25, 1992  07h 46m 33.53± 0.77s
     60.413 N ± 8.9km   147.875 W ± 6.2km
     DEPTH =   33.0km  (normal)
     3.0mb (  1 obs.)
   SOUTHERN ALASKA                     (  2)
        ML 3.4 (PMR).

SLKM     1.17 276 iPd    46 54.43    0.8
PMS      1.17 316 ePd    46 55.20    1.5
MID      1.26 141 ePc    46 55.30    0.5
PMR      1.33 333 eP     46 56.78    0.8
KLU      1.44  41 eP     46 58.20    0.5
PWA      1.58 323 ePd    47 01.20    1.7
TOA      1.89  25 iPd    47 07.10    3.0X
CRP      2.26 294 eP     47 09.50    0.0
CPKM     2.30 294 eP     47 10.43    0.4
REF      2.39 274 iPd    47 11.29   -0.1
BALM     2.79  75 eP     47 16.12   -0.8
KDC      3.58 224 eP     47 38.00   10.0X
SVW      3.86 284 eP     47 30.47   -1.6
FBA      4.50   0 eP     47 40.74   -0.5
TTA      4.63 307 eP     47 41.24   -1.7
IMA      6.25 338 eP     48 04.51   -1.4
         0.7s      4.91nm        4.3mb X
YKA     15.94  68 eP     50 22.10    5.5X
         0.8s      0.90nm        3.0mb
       S.D. = 1.2  on  14 of  17 obs.
-------------------------------------------
%  JUN 25, 1992  08h 21m 09.70± 1.73s
    11.125 N ± 8.5km   61.796 W ±25.1km
    DEPTH =   10.0km  (geophysicist)
  WINDWARD ISLANDS                     ( 95)
        MD 3.4 (TRN).

TCE      0.43 174 iPc    21 19.26    0.8
                  eS     21 26.30
TRN      0.61 141 iPc    21 23.09    1.1
                  eS     21 36.26
TPP      0.87 157 eP     21 24.61   -1.8
                  eS     21 38.83
TBH      0.96 132 eP     21 27.88   -0.1
                  eS     21 44.39
GRW      1.04   7 eP     21 29.35    0.0
                  eS     21 45.79
```

```
       S.D. = 1.6  on   5 of   5 obs.
-------------------------------------------
•  JUN 25, 1992  08h 23m 50.82± 1.08s
    52.708 N ±19.5km  172.609 E ±11.6km
    DEPTH =   33.0km  (normal)
    3.8mb (  3 obs.)
  NEAR ISLANDS, ALEUTIAN ISLANDS       (  5)
SMY      0.91  88 iPd    24 08.05    0.8
                  eS     24 19.46
IMA     21.41  38 eP     28 38.60    1.0
SLKM    21.64  54 e(P)   28 39.19   -0.7
FBA     23.40  43 eP     28 57.31    0.2
YAK     24.49 309 eP     29 09.10    1.4
         1.0s     50.00nm        5.0mb X
YKA     38.14  46 eP     31 07.10   -1.0
         0.4s      0.40nm        3.6mb
NB2     65.63 350 P      34 31.80   -1.5
         0.7s      1.00nm        4.0mb
WRA     79.61 216 P      35 55.80   -0.2
         0.5s      0.60nm        3.8mb
       S.D. = 1.2  on   8 of   8 obs.
-------------------------------------------
•  JUN 25, 1992  08h 38m 36.60± 1.47s
    24.455 S ±15.1km   66.340 W ±10.3km
    DEPTH =   33.0km  (normal)
  SALTA PROVINCE, ARGENTINA            (129)

ANT      3.80 280 iPc    39 34.70    0.5
                  iS     40 13.00
CCH      7.04   2 eP     40 21.00    0.7
LPB      8.05 348 P      40 34.00   -0.6
ZOBO     8.30 348 P      40 37.00   -1.2
                  S      42 03.40
SIV      9.76  31 eP     40 59.00    1.1
                  i      41 02.50
VAO     17.80  89 (P)    42 43.00   -0.5
       S.D. = 1.2  on   6 of   6 obs.
-------------------------------------------
?  JUN 25, 1992  08h 42m 11.40± 4.16s
    38.635 N ±21.3km   26.294 E ±29.3km
    DEPTH =   10.0km  (geophysicist)
  AEGEAN SEA                           (365)

IZM      0.80 107 iPg    42 26.90    0.0
                  iSg    42 40.40
EZN      1.19   1 ePn    42 33.60    0.1
DST      2.06  61 ePn    42 46.50    0.0
EDC      2.10  35 ePn    42 47.00    0.0
BNT      2.13  36 iPn    42 47.00   -0.5
KCT      2.27  44 ePn    42 50.00    0.5
IZI      2.99  54 ePn    42 59.50   -0.3
YLV      3.06  50 ePn    43 01.00    0.2
       S.D. = 0.3  on   8 of   8 obs.
-------------------------------------------
?  JUN 25, 1992  09h 15m 02.28± 0.90s
    38.177 N ±10.7km   22.855 E ± 9.5km
    DEPTH =   10.0km  (geophysicist)
  GREECE                               (364)
        ML 3.0 (ATH).

ATH      0.71 107 ePb    15 16.00   -0.3
VLI      1.46 177 ePb    15 29.00    0.4
VLS      1.79 271 ePb    15 33.00   -0.4
KZN      2.29 339 ePb    15 41.00    0.3
OHR      3.33 332 eP     16 10.50   15.0X
       S.D. = 0.7  on   4 of   5 obs.
-------------------------------------------
%  JUN 25, 1992  09h 17m 20.99± 2.59s
    39.677 N ±20.3km   29.458 E ±13.9km
    DEPTH =   10.0km  (geophysicist)
  TURKEY                               (366)

DST      0.64 264 ePg    17 33.80   -0.1
                  iSg    17 42.00
YLV      0.89 356 ePn    17 38.10    0.0
KCT      1.02 304 iPn    17 40.00   -0.3
EYL      1.04  31 ePn    17 40.60    0.0
BNT      1.36 300 iPn    17 46.50    0.5
       S.D. = 0.4  on   5 of   5 obs.
-------------------------------------------
%  JUN 25, 1992  09h 24m 32.27± 4.12s
    39.502 N ±28.2km   29.609 E ±18.9km
    DEPTH =   10.0km  (geophysicist)
  TURKEY                               (366)

DST      0.77 278 ePg    24 47.00   -0.3
```

eSg 24 58.30
IZI 0.84 353 ePg 24 48.00 -0.5
YLV 1.08 350 ePn 24 52.60 0.0
EYL 1.14 21 ePn 24 54.00 0.3
KCT 1.22 308 iPn 24 55.50 0.5
S.D. = 0.6 on 5 of 5 obs.

% JUN 25, 1992 09h 30m 43.97± 3.47s
39.640 N ±25.0km 29.492 E ±17.4km
DEPTH = 5.0km (geophysicist)
TURKEY (366)

DST 0.67 267 ePg 30 56.30 -1.0
eSg 31 07.80
IZI 0.70 359 iPg 30 57.00 -0.9
EYL 1.06 29 ePn 31 04.60 0.2
KCT 1.06 305 iPn 31 05.00 0.5
BNT 1.40 301 ePn 31 11.50 1.3
S.D. = 1.4 on 5 of 5 obs.

% JUN 25, 1992 09h 40m 40.19± 4.50s
39.442 N ±30.7km 29.633 E ±20.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.79 282 ePg 40 55.00 -0.7
eSg 41 07.30
IZI 0.90 352 iPg 40 57.00 -0.5
YLV 1.14 350 ePn 41 01.60 0.0
EYL 1.19 20 ePn 41 02.60 0.1
KCT 1.27 310 iPn 41 04.00 0.2
BNT 1.60 305 ePn 41 09.50 0.9
S.D. = 0.7 on 6 of 6 obs.

JUN 25, 1992 09h 41m 49.81± 0.33s
40.470 N ± 4.9km 78.550 E ± 6.1km
DEPTH = 33.0km (normal)
4.7mb (21 obs.)
SOUTHERN XINJIANG, CHINA (321)
ML 4.5 (BJI).

PRZ 2.02 357 iPnc 42 20.00 -2.3
KSH 2.22 244 Pn 42 30.50 5.3X
Sn 43 02.90
TLG 2.93 343 iPnc 42 36.60 1.5
WMO 7.58 61 Pn 43 41.20 0.4
Pg 44 02.00
NDI 11.81 186 iPc 44 38.30 -0.6
eS 46 46.30
GKN 13.41 156 P 45 00.40 0.0
KKN 13.81 154 P 45 05.40 -0.4
0.6s 14.00nm 4.9mb
GUN 13.91 152 P 45 05.60 -1.6
DMN 13.92 155 P 45 07.00 -0.3
QUE 13.95 226 eP 45 09.10 1.6
PKI 14.06 154 P 45 09.00 -0.1
LSA 14.88 132 eP 45 24.00 4.1X
MAIO 15.51 261 eP 45 36.00 8.3X
GTA 16.34 87 eP 45 42.00 3.5X
Z 12s 0.36um
E 10s 0.32um
MOY 19.10 47 eP 46 14.90 2.6
ZAK 19.90 52 eP 46 20.50 -0.7
2.0s 17.00nm 4.0mb
LZH 20.31 94 eP 46 38.00 12.2X
1.4s 28.00nm
XAN 24.93 95 eP 47 14.00 2.6
TIY 26.35 85 eP 47 29.10 4.5X
GYA 27.16 112 P 47 36.00 3.8X
NRI 29.43 7 ePc 47 50.00 -2.1
1.0s 8.00nm 4.4mb
e 48 40.00
KAF 37.79 323 eP 49 04.10 -0.2
0.3s 1.60nm 4.4mb
NUR 38.35 320 iP 49 09.10 0.1
0.4s 2.80nm 4.4mb
OJC 41.44 304 eP 49 35.50 0.9
HFS 43.78 319 eP 49 53.50 -0.2
0.8s 10.40nm 4.7mb
NB2 44.94 321 P 50 02.60 -0.5
0.8s 10.90nm 4.8mb
BRG 44.97 306 eP 50 04.20 0.8
CLL 45.45 307 iPc 50 07.60 0.4
0.9s 10.00nm 4.7mb
GRF 46.95 305 iPc 50 20.60 1.5
1.0s 15.00nm 4.9mb
LPG 51.16 301 eP 50 52.20 0.3
0.7s 5.85nm 4.7mb
LPL 51.16 301 eP 50 52.30 0.4
0.8s 10.50nm 4.9mb
RSL 51.17 301 P 50 51.69 -0.1
SMF 52.61 303 iPc 51 02.00 -0.5
0.8s 9.40nm 4.8mb
AVF 52.87 304 iPc 51 03.90 -0.5
0.9s 18.65nm 5.0mb
MAF 53.59 303 eP 51 09.80 0.1
0.9s 4.90nm 4.5mb
EKA 53.60 315 Pd 51 09.10 -0.5
1.2s 10.60nm 4.7mb
TCF 53.79 303 iPc 51 11.10 -0.1
1.0s 9.60nm 4.8mb
RJF 54.63 302 eP 51 17.60 0.2
1.1s 12.95nm 4.9mb
GRR 54.87 307 eP 51 18.20 -0.9
0.9s 10.80nm 4.9mb
LPO 55.10 302 eP 51 20.60 -0.2
0.7s 4.50nm 4.6mb
MBC 63.00 5 eP 52 14.50 -0.6
1.0s 4.00nm 4.5mb
YKA 76.84 6 eP 53 38.20 -1.3
0.9s 1.70nm 4.1mb
WRA 79.38 128 P 53 57.50 3.4X
0.9s 0.50nm 3.5mb X
S.D. = 1.1 on 35 of 43 obs.

? JUN 25, 1992 10h 15m 56.36± 1.49s
30.543 S ±16.5km 117.174 E ± 7.5km
DEPTH = 10.0km (geophysicist)
WESTERN AUSTRALIA (590)

BAL 0.41 261 iPd 16 04.80 0.1
eS 16 09.00
KLB 1.16 154 iPc 16 18.20 0.2
eS 16 31.50
MUN 1.65 210 eP 16 25.30 -0.2
eS 16 44.30
COOL 3.44 97 eP 16 51.00 -0.1
eS 17 31.00
S.D. = 0.3 on 4 of 4 obs.

? JUN 25, 1992 10h 33m 53.60± 3.34s
45.237 N ±57.4km 25.379 E ±19.1km
DEPTH = 10.0km (geophysicist)
ROMANIA (358)

MTUR 0.22 267 iPc 33 58.50 0.0
MLR 0.47 57 iPc 34 02.50 -0.7
COZ 0.74 277 iPc 34 08.00 -0.2
CVO 0.81 43 ePc 34 09.50 0.2
ISR 0.83 96 ePd 34 13.00 3.3X
VRI 1.14 56 ePc 34 15.50 0.6
MDB 1.14 323 iPc 34 19.00 4.0X
S.D. = 0.7 on 5 of 7 obs.

• JUN 25, 1992 10h 48m 29.66± 1.90s
23.029 N ±11.7km 123.196 E ±22.8km
DEPTH = 16.5 ± 13.6 km
3.9mb (3 obs.)
SOUTHWESTERN RYUKYU ISLANDS (246)

TWF1 1.78 281 ePd 48 59.10 -0.8
eS 49 06.20
TWD 1.80 306 ePd 48 59.80 -0.5
eS 49 18.60
TWG 1.97 264 ePd 49 02.40 -0.3
TATO 2.49 321 iP 49 11.50 1.4
1.0s 464.00nm
i 49 40.00
TWQ 2.49 300 ePc 49 09.90 -0.3
SSE 8.23 348 P 50 30.00 -1.2
Z 16s 0.40um
eS 52 34.00
LZH 21.23 312 eP 53 30.00 12.8X
2.0s 53.00nm
pP 53 40.00 38kmX
WRA 44.07 165 P 56 40.20 1.5
1.0s 0.60nm 3.4mb
ASPA 47.57 167 eP 57 05.00 -1.5
1.3s 3.70nm 4.3mb
YKA 83.31 23 eP 00 56.90 0.3
0.8s 0.90nm 4.0mb
S.D. = 1.3 on 9 of 10 obs.

% JUN 25, 1992 11h 46m 04.02± 0.90s
39.231 N ± 7.9km 27.759 E ± 8.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

DST 0.77 61 ePg 46 19.10 0.0
eSg 46 30.00
IZM 0.92 205 iPn 46 21.50 -0.1
KCT 1.12 24 iPn 46 25.50 0.5
BNT 1.13 6 iPn 46 24.50 -0.7
EZN 1.26 299 ePn 46 27.60 0.2
S.D. = 0.6 on 5 of 5 obs.

? JUN 25, 1992 13h 06m 27.08± 0.98s
44.367 N ±10.3km 7.356 E ± 8.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.9 (GEN).

STV 0.12 190 P 06 30.39 0.2
S 06 33.36
ENR 0.15 162 P 06 30.28 -0.3
S 06 33.05
PZZ 0.23 307 P 06 31.92 -0.2
S 06 34.90
ROB 0.38 101 P 06 34.80 0.0
S 06 39.20
S.D. = 0.4 on 4 of 4 obs.

• JUN 25, 1992 13h 07m 06.02± 1.96s
9.598 S ± 9.7km 114.748 E ±17.1km
DEPTH = 45.4 ± 21.1 km
4.7mb (5 obs.)
SOUTH OF BALI, INDONESIA (284)

KHKI 1.49 35 iPc 07 31.20 0.4
iS 07 44.50
e 11 35.00
SJI 3.48 302 ePc 08 07.00 8.0X
eS 08 52.20
WSI 5.47 91 e(P) 08 45.50 18.4X
e 11 57.90
MBL 12.49 158 iPd 10 01.60 -2.2
eS 12 11.00
NANU 12.91 177 eP 10 10.50 1.2
0.2s 4.00nm 5.0mb
eS 12 23.00
MEEK 17.34 168 eP 11 10.00 3.5X
eS 14 05.50
WARB 19.98 147 eP 11 39.00 1.5
eS 15 09.00
WB2 21.54 121 eP 11 51.90 -1.7
0.5s 6.70nm 4.3mb
ASPA 23.03 130 iPd 12 08.70 0.4
0.6s 15.30nm 4.6mb
STK 33.32 136 eP 13 42.90 1.1
0.6s 2.20nm 4.2mb
GUN 46.59 324 PKP 15 32.20 0.2
0.6s 16.00nm 5.1mb
PKI 46.62 323 PKP 15 31.60 -0.6
DMN 46.82 323 PKP 15 33.60 -0.1
KKN 46.85 323 PKP 15 33.80 -0.1
GKN 47.39 323 PKP 15 31.00 -7.1X
S.D. = 1.4 on 11 of 15 obs.

JUN 25, 1992 13h 11m 33.17± 0.80s
43.420 N ± 5.4km 5.442 E ± 6.4km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.6 (STR).

GELF 0.04 196 Pg 11 34.87 -0.4
TREF 0.21 348 Pg 11 37.83 0.1
BERF 0.21 120 Pg 11 38.33 0.5
PUYF 0.22 59 Pg 11 37.93 0.0
CDR 0.35 43 ePgd 11 39.00 -1.3
e(Sg) 11 44.00
PRAF 0.43 333 Pg 11 42.19 0.2
VILF 0.48 25 Pg 11 43.37 0.5
TAVF 0.49 66 Pg 11 43.51 0.4
S.D. = 0.7 on 8 of 8 obs.

? JUN 25, 1992 14h 24m 33.70± 2.05s
31.480 S ±45.4km 69.546 W ±25.4km
DEPTH = 120.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTBS 0.20 156 iPd 24 50.70 0.0

RTCB 0.64 91 iPd 24 53.00 0.0
S 25 06.70
RTLL 0.93 81 iPc 24 55.40 0.0
S 25 10.50
RTCV 0.94 114 ePd 24 55.50 0.0
CFA 1.12 97 ePn 24 57.30 0.0
S 25 14.00
S.D. = 0.0 on 5 of 5 obs.

? JUN 25, 1992 14h 35m 07.62± 3.46s
13.284 N ±27.1km 89.759 W ±19.0km
DEPTH = 33.0km (normal)
EL SALVADOR (73)
Felt (III) at San Salvador, El Salvador.

CUSS 0.65 344 iPc 35 20.50 0.1
SJAS 0.69 57 iPd 35 21.10 0.1
LFU 0.78 54 iPd 35 22.50 0.3
OZA 0.78 72 iPd 35 22.30 0.1
TME 0.83 28 iPd 35 23.10 0.2
YPE 0.84 5 iPd 35 23.50 0.4
VSM 1.45 84 iPd 35 32.40 0.3
S.D. = 0.1 on 7 of 7 obs.

JUN 25, 1992 15h 17m 14.13± 1.12s
60.551 N ± 5.9km 5.028 E ±12.5km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
MD 1.5 (BER). ML 1.1 (NAO).

ASK 0.11 129 eP 17 16.93 0.0
eSg 17 19.42
BER 0.23 138 eP 17 18.94 0.0
eSg 17 23.93
EGD 0.30 161 eP 17 20.25 -0.1
eSg 17 24.88
SUE 0.52 346 eP 17 24.82 0.1
HYA 0.84 42 eP 17 30.01 -0.3
eSg 17 43.01
NRA0 3.21 84 Pn 18 05.92 0.3
Sg 18 54.00
S.D. = 0.3 on 6 of 6 obs.

JUN 25, 1992 15h 25m 23.53± 0.60s
26.894 S ± 6.0km 26.740 E ± 6.3km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
mbLg 3.3 (BUL).

BFS 0.04 96 eP 25 25.90 0.9
PRY 0.66 93 iPc 25 35.00 -1.7
S 25 42.20
KSR 1.03 8 eP 25 45.00 1.3
S 25 57.00
VIR 1.19 175 iPd 25 44.10 -2.1
SWZ 1.29 257 eP 25 49.80 1.7
BPI 1.36 58 eP 25 50.00 0.7
SEK 1.63 151 eP 25 54.70 1.6
SLR 1.80 51 eP 25 55.80 0.2
S 26 17.70
BLF 2.26 192 eP 26 03.80 1.5
S 26 31.50
FRS 3.11 203 iPd 26 14.20 0.1
S 26 52.00
BFT 3.20 69 eP 26 15.50 -0.2
HVD 3.85 196 eP 26 24.20 -0.7
GRM 6.40 181 eP 27 01.90 1.1
S 28 08.00
BUL 6.94 15 iPn 27 07.00 -1.5
iSn 28 24.00
iSg 28 55.50
SUR 7.52 222 eP 27 14.90 -1.7
WIN 9.76 294 eP 27 46.50 -1.4
S 29 30.00
S.D. = 1.5 on 16 of 16 obs.

? JUN 25, 1992 15h 29m 32.27± 1.12s
66.951 N ±11.8km 20.954 E ±14.5km
DEPTH = 10.0km (geophysicist)
SWEDEN (536)
MD 3.4 (BER).

KTK1 2.24 22 eP 30 10.49 0.5
eSg 30 38.17
LOF 3.08 296 eP 30 21.72 -0.1
ARA0 3.10 31 P 30 21.61 -0.5
Sg 31 00.15
HFS 7.57 209 eP 31 25.20 0.0
0.2s 0.90nm 4.6mb
S.D. = 0.7 on 4 of 4 obs.

JUN 25, 1992 15h 46m 13.55± 1.18s
11.833 N ± 7.2km 92.381 E ± 5.7km
DEPTH = 35.1 ± 11.1 km
4.6mb (13 obs.)
ANDAMAN ISLANDS, INDIA (703)

KHT 6.72 63 iPc 47 53.60 1.1
NNT 7.23 83 eP 47 59.80 0.2
BDT 8.37 49 eP 48 14.80 -0.7
0.8s 68.50nm 5.8mb X
CHG 9.39 42 eP 48 28.30 -1.4
HYB 14.48 294 eP 49 43.00 4.9X
KOD 14.73 265 eP 49 42.00 0.4
KMI 16.46 35 eP 50 05.00 1.3
1.0s 50.00nm 4.6mb
pP 50 14.50
PKI 16.97 338 P 50 09.20 -1.1
0.6s 20.00nm 4.4mb
DMN 17.11 338 P 50 11.60 -0.5
GUN 17.12 340 P 50 12.00 -0.2
KKN 17.21 338 P 50 13.20 -0.1
GKN 17.65 337 P 50 18.20 -0.4
LSA 17.82 356 eP 50 22.70 1.7
GYA 19.81 41 P 50 43.80 -0.5
CD2 21.71 27 P 51 03.20 -0.4
0.7s 35.00nm 4.9mb
LZH 26.28 21 eP 51 49.00 1.2
1.2s 19.00nm 4.6mb
pP 51 54.00 18kmX
XAN 26.77 32 Pd 51 51.00 -1.1
0.9s 15.00nm 4.6mb
BTO 32.59 25 eP 52 43.50 -0.6
HHC 33.47 27 eP 52 52.00 0.3
Z 16s 0.47um 4.3MszX
BJI 35.09 33 eP 53 06.00 0.5
CN2 42.73 36 P 54 09.80 0.8
1.0s 12.00nm 4.6mb
WRA 51.99 127 P 55 21.90 0.0
0.6s 4.70nm 4.6mb
WB2 52.00 127 iPc 55 21.50 -0.5
0.4s 14.70nm 5.3mb
ASPA 53.79 131 iPd 55 34.90 -0.3
0.8s 4.30nm 4.5mb
YAK 56.85 20 eP 55 56.50 -0.4
1.7s 26.00nm 5.0mb
HFS 74.19 329 eP 57 49.00 0.7
0.4s 0.70nm 4.0mb
NB2 75.45 330 P 57 59.20 3.5X
0.8s 1.00nm 3.9mb
EKA 83.50 325 P 58 49.00 10.0X
2.6s 45.90nm 5.1mb
S.D. = 0.9 on 25 of 28 obs.

? JUN 25, 1992 16h 16m 05.65±16.53s
32.464 S ±119.km 71.482 W ±61.7km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.6 (SAN).

PEL 0.95 136 iPc 16 23.30 0.5
iS 16 36.30
TACH 1.27 159 iPc 16 27.90 0.7
iS 16 44.30
FCH 1.32 131 iPc 16 27.90 -0.3
(S) 16 44.20
PCH 1.41 145 iPc 16 29.20 -0.1
iS 16 46.80
LNV 1.49 178 iPd 16 30.30 0.0
iS 16 48.90
CHCH 1.62 155 iPc 16 32.30 0.0
iS 16 51.70
CACH 1.81 156 eP 16 34.40 -0.7
iS 16 58.00
S.D. = 0.6 on 7 of 7 obs.

JUN 25, 1992 16h 48m 51.76± 0.87s
51.076 N ± 8.0km 5.911 E ± 6.9km
DEPTH = 10.0km (geophysicist)
THE NETHERLANDS (540)
MD 2.3 (UCC). ML 2.0 (BNS).

ENN 0.31 179 ePg 49 00.00 1.8
0.5s 17.00nm
iSg 49 03.20
MEM 0.47 173 iPc 49 02.01 0.7
iS 49 07.05
STB 0.76 129 iPgd 49 06.39 -0.2
2.9s 81.00nm
iSg 49 13.86
BNS 0.81 97 iPgd 49 07.76 0.4
0.3s 106.00nm
iSg 49 16.16
WTS 1.08 31 ePg 49 12.00 0.0
0.4s 5.00nm
eSg 49 30.00
SNF 1.18 242 iPc 49 16.90 3.2X
DOU 1.29 221 iPc 49 17.80 2.1
iS 49 35.30
WLF 1.42 174 iP 49 19.00 1.4
HAU 3.09 175 Pg 49 49.90 8.4X
Sg 50 25.60
LOR 4.04 200 Pn 49 53.90 -1.1
Sn 50 36.20
Sg 50 59.10
LBF 4.29 198 Pn 49 57.40 -1.2
Sn 50 41.60
Sg 51 02.20
SSF 4.32 202 Pn 49 58.10 -0.8
Sn 50 43.40
Sg 51 04.20
AVF 4.61 202 Pn 50 01.50 -1.5
LDF 4.63 240 Pn 50 02.40 -0.9
Sn 50 52.70
SMF 4.64 198 Pn 50 01.20 -2.3
Sg 51 16.00
FLN 4.73 243 Pn 50 05.70 0.8
Sn 50 56.90
BGF 4.95 205 Pn 50 06.80 -1.1
GRR 5.15 241 Pn 50 11.20 0.5
Sn 51 05.90
LPF 5.45 239 Pn 50 16.50 1.5
S.D. = 1.4 on 17 of 19 obs.

? JUN 25, 1992 17h 48m 26.00± 6.90s
22.545 S ±33.6km 176.054 W ±35.7km
DEPTH = 279.6 ± 58.2 km
4.2mb (6 obs.)
SOUTH OF FIJI ISLANDS (171)

BKM 15.52 285 iPc 51 52.80 0.0
DZM 16.21 268 iPc 52 00.10 0.0
CTA 35.14 267 eP 54 58.90 3.6X
0.8s 25.00nm 4.8mb
ASPA 45.85 258 iPc 56 22.80 0.1
1.0s 9.60nm 4.1mb
WB2 46.13 264 iPc 56 24.70 -0.2
0.6s 6.30nm 4.1mb
WRA 46.14 264 P 56 25.00 0.1
0.6s 2.50nm 3.7mb
MAW 80.26 199 iPd 00 06.60 0.0
0.9s 10.00nm 4.6mb
SES 92.46 35 eP 01 01.00 -5.1X
CHG 92.63 289 eP 01 13.90 6.3X
YKA 97.61 24 eP 01 34.50 5.3X
0.6s 0.60nm 4.1mb
HFS 141.82 352 ePKP 07 17.90 -7.5X
0.4s 0.70nm
EKA 146.83 7 PKP 07 34.00 0.0
0.9s 3.60nm
OJC 149.71 340 ePKP 07 54.50 15.8X
KSP 150.15 344 ePKP 07 44.80 5.5X
e 07 55.70
CLL 150.44 348 iPKPc 07 45.10 5.4X
1.7s 18.00nm
e 07 55.00
BRG 150.67 347 ePKP 07 46.80 6.7X
1.3s 11.00nm
e 07 47.20
PRU 151.37 346 ePKP 07 57.00 15.8X
SNF 152.09 360 PKP 08 05.00 22.8X
KHC 152.39 346 ePKP 07 55.40 12.6X
DOU 152.50 359 PKP 08 00.40 17.6X
GEC2 152.63 346 PKP 07 56.40 13.2X
0.8s 1.40nm
S.D. = 0.1 on 7 of 21 obs.

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* JUN 25, 1992 17h 52m 58.71± 1.10s
43.101 N ±19.5km 4.426 E ± 5.8km
DEPTH = 10.0km (geophysicist)

25d 17h

NEAR SOUTH COAST OF FRANCE (379)
ML 2.8 (LDG).

CDR 1.13 59 ePg 53 19.70 -0.2
e(Sg) 53 29.70
LRG 1.46 75 Pn 53 25.40 0.4
Pg 53 28.00
Sg 53 42.00
LMR 1.54 81 Pn 53 26.40 0.2
Pg 53 29.60
Sn 53 41.00
Sg 53 47.10
FRF 1.68 73 Pn 53 28.00 -0.3
Pg 53 31.50
Sg 53 50.70
SBF 2.32 70 Pg 53 43.10 5.5X
Sg 54 10.60
CAF 2.50 318 Pn 53 40.20 0.2
Pg 53 48.50
Sg 54 16.00
LPO 2.83 305 Pg 53 54.90 10.2X
Sg 54 29.00
EPF 3.00 270 Pn 53 47.00 -0.1
Pg 54 01.70
Sg 54 43.00
RJF 3.04 317 Pg 53 57.10 9.4X
Sg 54 32.60
LFF 3.23 306 Pg 54 03.60 13.1X
Sg 54 42.20
S.D. = 0.4 on 6 of 10 obs.

JUN 25, 1992 18h 14m 18.78± 0.42s
51.237 N ± 9.0km 173.635 W ± 4.7km
DEPTH = 33.0km (normal)
4.6mb (32 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 2.01 290 eP 14 52.33 1.3
MCNL 13.55 47 P 17 36.70 5.9X
CDD 13.76 48 P 17 38.20 4.6X
KDC 13.87 54 eP 17 29.34 -5.7X
0.3s 1.90nm 4.3mb X
PDB 13.90 44 P 17 38.90 3.4X
SVW 14.03 38 eP 17 37.24 0.0
0.7s 2.55nm 4.0mb X
AUI 14.03 47 P 17 40.50 3.3X
AUH 14.04 47 P 17 39.90 2.6X
ANM 14.05 15 eP 17 35.50 -1.8
AUP 14.05 47 P 17 42.20 4.7X
AUL 14.05 47 P 17 42.00 4.6X
AUE 14.07 47 P 17 43.40 5.8X
SYI 14.23 51 P 17 45.20 5.5X
INW 14.51 45 P 17 44.50 1.0
INE 14.53 45 P 17 44.70 0.8
RED 14.83 44 P 17 46.20 -1.5
RS1 14.86 44 P 17 49.40 1.2
RS2 14.86 44 P 17 49.20 1.0
RSO 14.86 44 P 17 49.50 1.3
REF 14.90 43 eP 17 48.89 0.2
DFR 14.96 43 P 17 52.70 3.4X
TTA 15.06 32 eP 17 50.84 0.2
0.6s 0.44nm 2.9mb X
RDT 15.07 43 P 17 53.50 2.8X
NNL 15.32 46 P 17 55.00 1.1
BKG 15.37 42 P 17 56.00 1.3
CKL 15.41 41 P 17 57.00 1.8
BGL 15.42 41 P 17 57.40 2.1
CPKM 15.48 41 P 17 58.20 1.9
CKN 15.49 42 P 17 57.50 1.4
SPU 15.52 42 P 17 57.50 0.9
CGLM 15.60 41 P 17 58.40 0.7
SLKM 16.00 46 P 17 59.50 -3.2X
SKT 16.15 40 P 18 03.40 -1.1
SEW 16.19 47 P 18 00.30 -4.7X
PMS 16.61 44 P 18 06.50 -4.0X
PWA 16.66 42 P 18 08.30 -2.7X
PTE 16.68 45 P 18 08.30 -3.0X
CUT 16.87 40 P 18 07.50 -6.1X
GHO 17.12 42 P 18 12.80 -4.1X
KNK 17.16 44 P 18 12.80 -4.6X
SML 17.39 43 P 18 15.30 -4.9X
HIN 17.67 48 P 18 18.30 -5.3X
SCM 17.83 43 P 18 20.70 -5.0X
IMA 17.99 27 eP 18 25.53 -2.2X
0.6s 4.16nm 3.7mb
KLU 18.32 45 eP 18 26.89 -4.8X
BALM 19.81 48 eP 18 44.58 -4.6X

SIT 22.95 60 eP 19 18.58 -2.1
LON 33.71 77 eP 20 59.62 0.8
DPW 35.40 73 (P) 21 14.51 1.2
SES 38.49 66 ePc 21 38.20 -1.0
CN2 40.74 284 eP 21 59.00 1.2
0.8s 4.10nm 4.2mb
epP 22 11.00 44kmX
SNY 42.98 283 eP 22 17.70 1.5
1.0s 22.00nm 4.8mb
DAU 43.55 79 eP 22 22.03 0.7
FCC 43.68 48 eP 22 21.50 -0.2
MSU 44.12 82 iPd 22 26.46 0.7
PLM 44.45 91 eP 22 29.70 1.2
SRU 44.78 80 eP 22 31.34 0.2
ULM 47.01 59 eP 22 48.00 -0.3
SSE 51.24 273 Pd 23 24.50 3.4X
0.8s 8.00nm 4.7mb
BTO 51.90 290 eP 23 27.50 1.3
TIY 52.29 286 eP 23 29.40 0.3
XAN 56.85 285 Pc 24 02.50 0.1
FVM 57.63 68 eP 24 06.16 -1.6
0.5s 6.30nm 4.9mb
EEO 58.05 54 ePc 24 10.10 -0.5
LZH 58.51 290 iPc 24 15.00 0.8
1.6s 44.00nm 5.3mb
PWLA 61.07 69 eP 24 29.62 -2.0
RSNY 61.80 53 eP 24 34.27 -2.2
WMQ 62.10 306 eP 24 37.50 -1.0
CD2 62.16 285 P 24 39.60 0.6
1.0s 24.00nm 5.3mb
BNH 63.40 51 eP 24 45.65 -1.3
GYA 63.55 280 P 24 50.00 1.6
LMN 65.52 47 ePd 25 00.70 0.0
LHS 65.63 65 eP 25 00.33 -1.2
KAF 65.89 350 iP 25 00.80 -2.0
0.4s 2.90nm 4.7mb
NUR 67.64 350 iP 25 11.80 -2.1
0.4s 3.10nm 4.8mb
NB2 68.01 357 P 25 14.00 -2.3
0.6s 1.50nm 4.3mb
HFS 68.83 356 eP 25 18.40 -2.9
0.4s 1.90nm 4.5mb
LSA 70.51 293 P 25 34.80 2.2
KSH 71.18 310 P 25 37.30 1.2
Z 16s 1.40um 5.3MszX
E 15s 1.20um
eS 34 52.00
GUN 74.88 296 P 25 58.20 -0.1
KKN 75.31 296 P 26 00.60 0.0
0.8s 43.00nm 5.5mb
PKI 75.41 296 P 26 00.80 -0.5
0.8s 40.00nm 5.5mb
GKN 75.51 297 P 26 01.60 0.0
DMN 75.55 296 P 26 02.00 0.0
CLL 77.67 356 iPd 26 12.30 -0.8
BRG 78.06 355 iP 26 14.20 -1.0
0.8s 10.00nm 4.9mb
i 26 27.60
MOX 78.40 357 eP 26 16.70 -0.4
PRU 78.91 355 eP 26 19.70 -0.2
GRF 79.36 357 iPc 26 22.70 0.3
1.3s 20.00nm 5.0mb
KHC 79.82 355 P 26 25.00 0.1
GEC2 80.10 355 PKP 26 24.90 -1.6
0.7s 2.09nm 4.2mb
LDF 80.39 4 iPc 26 27.00 -0.9
0.5s 2.75nm 4.5mb
ZST 80.52 353 eP 26 28.40 -0.2
GRR 80.56 5 iPc 26 28.30 -0.5
0.5s 1.70nm 4.3mb
CDF 80.73 359 iPc 26 29.50 -0.3
0.5s 3.30nm 4.6mb
LPF 80.91 5 iPc 26 30.30 -0.3
0.5s 3.20nm 4.6mb
HAU 81.14 0 iPc 26 31.70 -0.2
0.4s 2.50nm 4.6mb
MAIO 81.16 319 eP 26 33.00 0.7
BSF 81.31 360 iPc 26 32.50 -0.4
0.5s 3.80nm 4.7mb
LOR 81.85 2 iPc 26 35.50 -0.1
0.6s 3.25nm 4.5mb
KBA 81.88 355 iPc 26 36.10 0.1
0.7s 7.60nm 4.8mb
i 26 39.20
i 26 49.30
SSF 82.05 2 iPc 26 36.50 -0.1
0.5s 4.10nm 4.7mb

LBF 82.14 2 iPc 26 36.80 -0.3
0.5s 1.40nm 4.3mb
AVF 82.32 2 iPc 26 37.80 -0.2
0.4s 2.20nm 4.6mb
SMF 82.47 2 iPc 26 38.60 -0.3
0.6s 3.00nm 4.5mb
TCF 82.79 3 iPc 26 40.20 -0.3
0.5s 1.80nm 4.4mb
LSF 82.80 3 iPc 26 40.30 -0.3
0.5s 3.80nm 4.7mb
MAF 82.87 3 iPc 26 40.90 0.0
0.6s 1.70nm 4.3mb
QUE 83.01 311 eP 26 43.60 1.5
LPL 83.63 360 iPc 26 45.90 0.8
WB2 84.24 228 eP 27 02.50 14.4X
0.6s 3.90nm
WRA 84.25 228 P 26 50.00 1.9
1.0s 0.60nm 3.7mb
WRA 84.25 228 P 27 04.00 15.9X
0.7s 1.90nm
SKO 86.25 349 iP 26 58.20 0.2
VAY 86.74 348 iP 27 00.50 0.1
HYB 87.26 294 eP 27 04.00 0.7
e 27 17.50
ASPA 87.66 227 iPc 27 20.00 15.1X
0.8s 8.20nm
POO 89.01 299 eP 27 09.00 -2.7
BUL 144.38 322 iPKPd 33 52.00 -1.2
0.6s 7.00nm
ipP 34 05.60
MAW 148.35 218 iPKPc 34 03.60 5.5X
1.0s 17.00nm
SLR 149.53 318 ePKP 34 06.70 5.3X
WIN 150.19 340 ePKP 34 07.50 4.9X
PRY 150.92 319 e(PKP)34 03.50 0.0
S.D. = 1.2 on 90 of 123 obs.

JUN 25, 1992 18h 29m 09.71± 0.70s
24.027 N ± 5.4km 121.702 E ± 6.5km
DEPTH = 32.4 ± 4.2 km
4.8mb (31 obs.)
TAIWAN (244)
ML 4.9 (BJI).

TWD 0.11 298 iPc 29 14.90 -0.6
eS 29 17.90
TWC 0.59 13 iPc 29 23.00 1.3
eS 29 31.90
TWF1 0.77 209 ePc 29 24.60 0.5
TWQ 0.83 287 iPd 29 24.70 -0.3
TATO 0.96 348 iP 29 27.80 0.9
TWZ 1.07 354 ePc 29 30.10 1.6
QZH 2.98 288 ePn 29 53.60 -2.1
Sn 30 27.50
SSE 7.06 356 P 30 51.00 -2.3
0.7s 140.00nm 6.0mb X
Z 18s 2.20um 4.2Msz
N 12s 1.80um
E 10s 0.90um
pP 30 54.50
sP 30 58.30
Sn 32 07.00
HKC 7.14 258 iP 30 53.90 -0.6
GZH 7.73 265 P 31 01.50 -1.3
Z 15s 2.96um
MCD 7.73 257 eP 31 07.50 4.6X
NJ2 8.38 343 Pc 31 09.60 -2.2
0.8s 36.00nm 5.6mb
N 11s 2.93um
S 32 38.00
QIZ 12.10 248 eP 32 09.60 6.7X
eS 34 15.80
TIA 12.77 343 eP 32 10.10 -1.6
Z 14s 3.01um
S 34 26.00
GYA 13.82 283 eP 32 26.00 0.2
Z 12s 7.59um
XAN 14.97 315 eP 32 40.00 -0.7
E 10s 0.15um
CGP 15.75 169 eP 33 01.00 10.2X
TIY 15.78 332 Pc 32 52.00 0.8
1.3s 79.00nm 4.7mb
Z 14s 2.62um 4.6Msz
N 12s 1.84um
E 11s 0.96um
BJI 16.63 345 eP 33 05.00 3.1X
2.0s 99.00nm 4.6mb

Z 14s 1.18um 4.4Msz
N 12s 0.74um
KMI 17.28 278 eP 33 14.50 4.0X
1.5s 60.00nm 4.5mb
Z 12s 2.90um 3.4MszX
E 10s 1.80um
CD2 17.33 297 P 33 11.40 0.6
1.0s 42.00nm 4.5mb
Z 14s 3.77um 5.0Msz
SNY 17.82 5 Pc 33 18.00 1.2
Z 14s 1.65um
E 15s 1.58um
HHC 18.81 336 Pc 33 32.40 3.4X
1.6s 100.00nm 4.8mb
Z 16s 1.78um 6.4Msz
N 12s 0.44um
E 19s 0.51um
sP 33 40.00
BTO 19.22 332 eP 33 34.50 0.6
N 12s 2.36um
E 12s 1.68um
pP 33 42.00 28kmX
ePP 33 55.00
LZH 19.54 312 eP 33 38.00 0.2
1.4s 96.00nm 4.9mb
Z 15s 2.18um 4.1MszX
N 10s 0.87um
E 10s 0.98um
PP 33 57.00
CN2 19.96 8 eP 33 41.80 -0.2
0.8s 6 10nm 4.0mb
Z 14s 1.53um 5.1MszX
N 13s 0.66um
E 13s 0.57um
esP 33 55.00
MDJ 21.53 15 eP 33 56.00 -2.0
CHG 21.80 261 eP 34 02.80 1.8
1.1s 53.16nm 4.9mb
GTA 24.03 315 P 34 25.00 2.2
1.5s 77.00nm 5.0mb
Z 16s 2.28um 4.7MszX
E 10s 1.29um
pP 34 32.00 25kmX
PCI 24.85 184 ePd 34 33.80 3.1X
e 37 23.70
LSA 27.79 288 eP 35 00.80 2.4
YSS 28.44 31 eP 35 05.00 1.5
e 35 12.30
ZAK 29.95 336 eP 35 16.00 -1.0
0.7s 6.00nm 4.5mb
Z 11s 0.58um 4.5MszX
N 12s 0.57um
E 12s 0.48um
eS 40 12.00
IRK 31.17 339 eP 35 26.50 -1.3
Z 14s 0.79um 4.5MszX
E 14s 0.42um
GUN 32.37 285 P 35 39.00 0.1
PKI 32.79 284 P 35 41.20 -1.4
KKN 32.90 284 P 35 43.20 -0.2
1.0s 54.00nm 5.4mb
DMN 33.06 284 P 35 44.80 -0.1
0.8s 19.00nm 5.0mb
GKN 33.46 285 P 35 48.00 -0.3
1.0s 48.00nm 5.4mb
WMQ 34.10 314 P 35 54.00 0.4
Z 13s 1.05um 4.8MszX
pP 36 02.00 27kmX
sP 36 09.00
BOD 34.22 353 eP 35 57.00 2.7
YAK 38.36 6 eP 36 28.20 -1.0
NDI 39.96 287 iPc 36 43.80 0.9
KSH 41.37 303 P 36 57.00 2.5
FRU 42.92 308 eP 37 14.00 6.9X
1.4s 40.00nm 5.0mb
WRA 45.41 163 P 37 27.00 -0.3
0.5s 6.90nm 4.8mb
W82 45.41 163 iPd 37 26.60 -0.7
0.5s 16.10nm 5.2mb
QUE 48.74 290 eP 37 54.60 0.9
ASPA 48.87 165 iPc 37 54.00 -0.4
SVE 54.45 324 eP 38 35.40 -0.6
1.8s 20.00nm 4.8mb
e 38 43.80
ARU 55.49 323 eP 38 43.00 -0.6
Z 16s 0.50um 4.7MszX
ILT 56.64 23 iPd 38 50.00 -1.7
0.8s 26.00nm 5.3mb
STK 58.76 160 iPd 39 06.40 -0.5
0.5s 3.80nm 4.8mb
SHI 61.17 292 eP 39 25.00 1.1
GRS 64.20 304 eP 39 43.00 -0.9
1.0s 20.00nm 5.2mb
OBN 67.90 322 eP 40 14.00 7.0X
Z 16s 0.40um 4.7MszX
e 40 40.00
APO 77.64 331 eP 41 03.20 -1.0
0.4s 0.60nm 4.0mb
NB2 78.58 332 P 41 08.10 -1.4
0.8s 2.70nm 4.3mb
OJC 79.10 320 eP 41 14.10 1.7
VAY 80.97 311 ePKP 41 22.30 -0.3
SKO 81.47 312 ePKP 41 19.00 -6.2X
i 41 25.00
i 41 34.00
CLL 82.46 323 e(P) 41 46.00 15.9X
YKA 82.93 23 eP 41 32.20 -0.2
0.7s 8.90nm 5.0mb
KHC 83.20 321 eP 41 35.10 1.0
GEC2 83.26 321 PKP 41 33.70 -0.8
0.7s 1.02nm 4.0mb
PNT 88.91 35 eP 42 04.00 1.8
LPG 89.05 320 eP 42 03.20 -0.1
0.9s 4.10nm 4.8mb
LPL 89.05 320 eP 42 03.00 -0.2
0.9s 3.30nm 4.7mb
LBF 89.78 323 eP 42 05.60 -0.8
0.8s 3.10nm 4.6mb
SMF 90.05 322 eP 42 07.90 0.3
0.7s 2.55nm 4.6mb
CAF 92.08 322 eP 42 17.40 0.4
1.0s 3.20nm 4.7mb
RJF 92.15 322 eP 42 18.40 1.1
0.9s 4.90nm 4.9mb
ZOBO 167.98 52 PKP 49 22.00 6.8X
S.D. = 1.3 on 61 of 73 obs.

JUN 25, 1992 19h 17m 36.60± 0.48s
44.628 N ± 3.5km 8.119 E ± 4.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.2 (LDG), 2.0 (GEN).

CKI 0.23 150 Pc 17 41.40 -0.2
eSg 17 44.10
PCP 0.32 106 P 17 43.26 0.1
S 17 47.72
ROB 0.38 208 P 17 44.37 0.0
S 17 48.80
FIN 0.42 171 P 17 44.73 -0.5
S 17 50.49
ENR 0.64 232 P 17 49.62 0.1
S 17 57.78
STV 0.69 236 P 17 50.23 0.0
S 17 58.62
IMI 0.74 193 P 17 51.50 0.4
S 18 00.54
PZZ 0.74 261 P 17 50.48 -0.7
S 18 00.02
RSP 0.81 311 P 17 52.15 -0.2
S 18 03.23
SBF 0.91 213 Pg 17 54.80 0.8
Sg 18 06.80
RRL 0.99 288 P 17 55.19 -0.4
S 18 08.80
LSD 1.07 321 P 17 56.93 -0.1
S 18 11.57
LPG 1.30 312 Pg 18 01.50 0.6
Sg 18 19.30
LPL 1.32 313 Pg 18 01.40 0.2
Sg 18 19.20
FRF 1.50 225 Pg 18 05.50 1.9X
Sg 18 25.50
LRG 1.73 228 Pg 18 09.40 2.6X
Sg 18 31.00
LMR 1.74 222 Pg 18 10.40 3.4X
Sg 18 31.10
S.D. = 0.4 on 14 of 17 obs.

JUN 25, 1992 19h 18m 01.13± 0.37s
38.879 N ± 4.1km 24.924 E ± 3.5km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 3.5 (ATH).

PRK 1.11 70 ePn 18 21.50 -0.5
ATH 1.31 227 ePn 18 25.10 -0.3
eSn 18 44.00
EZN 1.44 49 iPn 18 27.10 -0.1
IZM 1.89 104 iPn 18 34.10 0.3
KGT 2.42 49 ePn 18 41.00 -0.3
VLI 2.67 217 ePn 18 43.80 -1.1
EDC 2.70 56 ePn 18 46.00 0.6
BNT 2.74 57 iPn 18 46.00 0.0
KZN 2.82 301 ePn 18 47.00 -0.2
MMB 2.86 342 iPc 18 47.00 -0.6
DST 2.97 75 iPn 18 49.50 0.3
KCT 2.99 62 ePn 18 50.00 0.6
VAY 3.03 324 iPn 18 51.30 1.3
PLD 3.23 357 eP 18 53.00 0.2
VLS 3.47 260 ePn 18 58.00 1.7
CTT 3.52 49 iPn 18 56.50 -0.4
NPS 3.65 171 ePn 18 58.50 -0.4
PGB 3.71 351 eP 18 59.00 -0.8
IZI 3.80 66 ePn 19 01.50 0.4
YLV 3.82 62 eP 19 02.00 0.6
VTS 3.93 341 iPd 19 03.00 0.1
GBZT 3.97 60 eP 19 16.50 13.2X
SKO 4.08 320 ePn 18 56.00 -8.8X
i 19 05.70
MLR 6.65 6 ePc 19 40.00 -1.4
S.D. = 0.8 on 22 of 24 obs.

• JUN 25, 1992 19h 29m 11.13± 2.93s
17.523 N ±24.3km 61.792 W ±15.0km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)
MD 2.8 (TRN).

ANG 0.37 186 eP 29 20.06 0.3
eS 29 26.04
BPA 0.48 187 eP 29 21.00 -0.5
S 29 27.60
NEV 0.84 243 eP 29 26.57 0.1
eS 29 37.05
MGH 0.90 207 eP 29 27.56 0.2
eS 29 38.70
SKI 0.92 258 eP 29 27.67 -0.1
eS 29 38.29
DEG 1.39 150 eP 29 34.50 0.0
S.D. = 0.3 on 6 of 6 obs.

? JUN 25, 1992 19h 52m 26.80± 3.84s
39.144 N ±42.7km 79.800 E ±23.1km
DEPTH = 33.0km (normal)
SOUTHERN XINJIANG, CHINA (321)

GKN 11.82 159 P 55 15.40 -0.8
KKN 12.21 156 P 55 21.40 -0.1
GUN 12.29 154 P 55 26.40 3.6X
DMN 12.32 157 P 55 23.40 0.3
PKI 12.45 156 P 55 25.40 0.5
QUE 13.83 234 eP 55 43.00 0.1
MAIO 16.31 266 eP 56 15.00 0.0
S.D. = 0.6 on 6 of 7 obs.

JUN 25, 1992 20h 19m 54.63± 0.51s
44.513 N ± 4.7km 12.289 E ± 7.4km
DEPTH = 9.7 ± 4.6 km
NORTHERN ITALY (545)
MD 2.5 (TRI).

RSM 0.60 169 P 20 06.50 -0.2
eSg 20 15.30
SFI 0.67 208 P 20 06.30 -1.6
eSg 20 17.60
PGD 0.76 213 P 20 10.00 0.4
eSg 20 20.00
CRE 0.92 196 P 20 12.70 0.4
eSg 20 25.40
ARV 1.12 155 P 20 16.80 1.2
eSg 20 31.50
BDI 1.30 250 P 20 18.50 -0.2
eSg 20 35.30
ASS 1.47 169 P 20 20.00 -1.2
PII 1.50 239 P 20 21.50 -0.1
eSn 20 40.90
TRI 1.59 41 ePg 20 22.70 -0.1
iSg 20 46.20
CTI 1.60 344 P 20 23.00 -0.1
eSn 20 44.00
RIY 1.71 60 e(Pn) 20 24.20 -0.4

25d 20h

iSn 20 44.10
VOY 1.89 36 e(Pn) 20 25.00 -2.4
eSn 20 49.00
CEY 1.95 50 eP 20 37.00 8.9X
e(Sg) 20 52.00
FVI 2.11 9 P 20 31.40 1.0
eSn 20 56.80
VBY 2.33 64 eP 21 15.50 41.9X
KBA 2.67 16 eP 20 39.00 0.4
e 20 45.00
i(Sn) 21 09.40
i 21 18.60
S.D. = 1.1 on 14 of 16 obs.

% JUN 25, 1992 20h 25m 44.62± 1.16s
42.895 N ±10.3km 12.682 E ±13.9km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS 0.18 355 P 25 48.60 0.0
eSg 25 53.70
ARV 0.63 17 P 25 57.30 0.0
eSg 26 09.20
AOU 0.76 135 P 25 59.50 0.0
eSg 26 10.60
CRE 0.91 324 P 26 01.60 -0.4
eSg 26 15.60
SFI 1.19 330 P 26 07.30 0.5
eSg 26 22.60
S.D. = 0.5 on 5 of 5 obs.

• JUN 25, 1992 20h 30m 24.82± 0.67s
12.236 N ± 6.8km 144.781 E ±31.1km
DEPTH = 33.0km (normal)
4.4mb (1 obs.)
SOUTH OF MARIANA ISLANDS (210)

GUA 1.30 6 ePc 30 47.30 0.5
GUMO 1.35 4 Pnc 30 47.10 -0.3
Sn 31 02.90
PJG 1.35 4 eP 30 47.30 -0.1
WB2 33.59 198 iPd 37 04.40 0.1
0.3s 11.30nm 5.3mb X
ASPA 37.24 197 iPd 37 35.20 -0.1
0.9s 5.60nm 4.4mb
DZM 40.18 148 iPd 37 59.90 0.0
S.D. = 0.4 on 6 of 6 obs.

? JUN 25, 1992 21h 05m 15.38± 1.82s
31.244 S ±36.6km 68.698 W ±34.2km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL 0.21 114 iPc 05 30.10 0.0
S 05 41.00
RTCB 0.26 200 iPd 05 30.70 0.3
ZON 0.30 177 iPd 05 29.80 -0.4
eS 05 41.80
CFA 0.53 133 iPc 05 31.80 0.1
S 05 44.00
RTCV 0.63 167 iPd 05 32.50 0.0
S.D. = 0.4 on 5 of 5 obs.

JUN 25, 1992 21h 27m 34.45± 0.30s
38.636 N ± 3.9km 15.068 E ± 3.4km
DEPTH = 262.0 ± 3.0 km
4.1mb (35 obs.)
SICILY (398)

ATN 0.57 147 P 28 08.18 -0.8
MSI 0.58 138 P 28 08.10 -0.9
eSn 28 33.10
MNO 0.76 203 P 28 10.35 0.4
GMB 0.78 127 P 28 02.23 -7.7X
SOI 0.96 126 P 28 10.30 -0.5
eSn 28 36.00
CZI 1.01 55 P 28 09.80 -1.2
GIB 1.04 232 P 28 10.60 -0.8
GRI 1.07 80 P 28 10.89 -0.6
ACI 1.14 51 P 28 10.89 -0.9
TDS 1.42 44 Pd 28 13.00 -0.6
CSI 1.48 39 P 28 14.00 -0.1
MEU 1.54 184 P 28 14.78 0.2
MGR 1.55 14 P 28 13.90 -0.6
PZI 1.61 184 P 28 15.31 0.2
ORI 1.78 36 Pd 28 16.20 -0.2
SGO 1.93 5 P 28 14.75 -2.8X
CVT 2.03 243 P 28 18.25 -0.2
FG4 2.52 8 P 28 23.79 0.7
BRT 2.78 36 P 28 24.04 -1.7
RFI 2.79 343 P 28 26.45 0.7
LCI 2.80 52 P 28 26.00 0.0
eSn 29 02.80
BAI 2.84 29 Pd 28 25.00 -1.3
DUI 3.06 351 Pc 28 29.20 0.5
FG2 3.16 1 P 28 14.10 -15.7X
SDI 3.21 343 Pc 28 30.70 0.3
AZI 3.57 340 Pc 28 34.80 0.5
RDP 3.60 331 Pc 28 35.20 0.5
KEK 3.83 72 eP 28 41.90 4.6X
AOU 3.92 342 Pc 28 39.90 1.5
VLS 4.36 94 eP 28 44.30 0.8
ASS 4.79 338 P 28 49.70 1.1
ARV 5.12 342 Pc 28 53.20 0.7
KZN 5.45 70 eP 28 58.00 1.3
CRE 5.51 336 Pc 28 57.60 0.1
RSM 5.64 340 P 29 00.30 1.4
PGD 5.81 335 P 29 02.00 0.8
SFI 5.81 336 P 29 02.00 1.0
FIR 5.89 332 iPd 29 04.00 2.1
SKO 5.90 54 ePn 29 02.50 0.3
PII 6.13 327 P 29 06.00 1.1
VAY 6.36 63 ePn 29 08.20 0.4
BDI 6.38 330 P 29 09.10 0.9
MME 6.45 331 P 29 10.47 1.3
RIY 6.72 356 e(Pg) 29 11.80 -0.5
iSg 29 21.30
VBY 6.86 1 ePc 29 14.70 0.6
e(S) 30 34.00
CEY 7.11 356 eP 29 17.00 -0.3
eS 30 37.40
TRI 7.13 353 ePgd 29 16.60 -0.9
iSg 29 24.70
LJU 7.41 357 ePc 29 21.00 0.0
eS 30 43.00
BOB 7.43 327 P 29 22.80 1.5
VOY 7.44 354 iPc 29 21.40 -0.1
i 29 28.30
IMI 7.55 317 P 29 22.50 -0.3
FIN 7.59 319 P 29 23.12 -0.1
PCP 7.66 322 P 29 25.06 0.9
CKI 7.70 321 P 29 28.00 3.3X
ROB 7.82 319 P 29 26.81 0.6
CTI 7.83 342 P 29 28.20 1.9
LMR 7.99 309 eP 29 26.60 -1.7
0.8s 8.35nm 3.8mb
ENR 8.01 317 P 29 29.17 0.5
FRF 8.04 310 eP 29 29.00 0.1
0.7s 9.80nm 3.9mb
STV 8.07 316 P 29 30.29 0.9
FVI 8.13 349 P 29 30.05 0.1
LRG 8.15 309 eP 29 29.20 -1.1
0.8s 17.35nm 4.1mb
DOI 8.29 317 P 29 35.40 3.2X
PZZ 8.37 317 P 29 35.32 2.1
KBA 8.53 352 i(P) 29 35.20 -0.1
0.5s 5.90nm 3.9mb X
i 29 40.10
i 29 44.20
VAI 8.60 329 P 29 34.97 -1.0
CDR 8.63 309 ePc 29 48.20 11.7X
RSP 8.73 321 P 29 37.88 0.1
ORO 8.74 325 P 29 41.40 3.5X
TMA 8.76 330 ePc 29 37.20 -1.0
RRL 8.81 318 P 29 39.83 0.8
OSS 8.82 337 ePc 29 39.50 0.5
VDL 8.86 334 ePc 29 39.60 0.0
BNI 8.96 318 P 29 43.00 2.2
WTTA 8.98 345 i(P) 29 44.20 3.1X
0.6s 18.90nm 4.3mb X
i 29 45.40
LSD 9.00 322 P 29 41.16 -0.3
MMK 9.08 327 ePc 29 41.60 -0.8
LPG 9.23 321 eP 29 45.70 1.4
0.8s 40.95nm 4.5mb
LPL 9.25 321 eP 29 46.20 1.6
0.5s 17.40nm 4.4mb
DIX 9.35 325 ePc 29 47.00 1.2
LLS 9.36 333 ePc 29 46.00 0.1
RSL 9.43 321 P 29 46.71 0.0
EMS 9.56 324 ePc 29 49.50 1.1
ZLA 10.10 333 ePc 29 54.50 -0.5
SLE 10.31 334 ePc 29 57.60 0.0
BBS 10.41 330 P 29 57.57 -1.3
KHC 10.55 355 eP 30 00.00 -0.6
1.0s 0.80nm 2.8mb X
FEL 10.57 333 P 29 59.91 -1.0
LOMF 10.59 328 P 29 59.80 -1.4
MLR 10.59 46 eP 30 07.00 5.7X
MOF 10.87 330 P 30 03.05 -1.7
LIBD 10.95 333 P 30 04.78 -0.7
BSF 10.99 329 P 30 04.50 -1.7
ECH 11.16 332 P 30 07.27 -1.0
CDF 11.28 333 P 30 09.24 -0.6
HAU 11.31 329 eP 30 08.80 -1.3
0.6s 8.85nm 4.1mb
PRU 11.36 358 eP 30 14.00 3.3X
GRF 11.39 347 ePc 30 10.60 -0.5
SMF 11.50 318 eP 30 11.20 -1.3
0.7s 8.95nm 4.1mb
LBF 11.65 319 eP 30 12.80 -1.6
0.7s 6.05nm 3.9mb
AVF 11.85 317 eP 30 14.60 -2.2
0.8s 7.10nm 3.9mb
LOR 11.90 320 eP 30 15.70 -1.8
0.6s 4.05nm 3.8mb
MAF 11.94 313 eP 30 17.40 -0.6
1.0s 7.20nm 3.9mb
SSF 11.94 319 eP 30 16.60 -1.4
0.7s 5.50nm 3.9mb
BGF 11.98 315 eP 30 17.40 -1.1
0.9s 13.10nm 4.2mb
LPO 12.01 305 eP 30 19.30 0.5
0.7s 9.25nm 4.1mb
RJF 12.08 308 eP 30 22.50 2.8X
0.9s 8.70nm 4.0mb
TCF 12.18 313 eP 30 20.90 -0.1
0.7s 3.40nm 3.7mb
KSP 12.24 4 eP 30 27.00 5.4X
MOX 12.26 350 eP 30 22.50 0.7
0.9s 24.00nm 4.4mb
BRG 12.26 357 iP 30 22.80 0.9
1.0s 24.00nm 4.4mb
i 30 25.00
i 30 36.00
LFF 12.40 305 eP 30 23.80 0.1
0.5s 6.85nm 4.1mb
LSF 12.55 312 eP 30 25.60 0.0
0.9s 8.20nm 4.0mb
CLL 12.76 354 i(P) 30 30.30 2.3
1.4s 19.00nm 4.2mb X
MFF 13.73 310 eP 30 40.60 0.6
0.7s 4.20nm 3.9mb
ENN 13.75 335 eP 30 41.50 1.4
1.0s 12.00nm 4.2mb
WTS 14.55 339 eP 30 51.50 1.6
1.0s 12.00nm 4.2mb
LDF 14.81 317 eP 30 52.00 -1.1
0.6s 6.95nm 4.2mb
LPF 14.99 314 eP 30 54.40 -0.9
0.4s 3.15nm 4.1mb
CSS 15.08 98 eP 30 57.80 1.3
GRR 15.09 315 eP 30 55.30 -1.1
0.7s 4.65nm 4.0mb
FLN 15.10 317 eP 30 55.90 -0.7
0.6s 5.05nm 4.1mb
EKA 20.72 330 Pd 31 54.60 -0.8
0.4s 2.30nm 4.0mb
HFS 21.54 358 eP 32 01.70 -1.6
0.4s 3.70nm 4.2mb
NB2 22.56 355 P 32 12.40 -0.9
0.5s 2.00nm 3.9mb
NUR 22.71 12 iP 32 14.10 -0.6
0.5s 9.30nm 4.5mb
KAF 24.50 13 iP 32 30.50 -0.8
0.3s 1.90nm 4.1mb
KIC 36.79 214 P 34 20.60 1.6
LIC 37.04 215 P 34 22.80 1.7
GKN 57.85 78 P 37 01.00 -0.3
DMN 58.41 78 P 37 05.60 0.3
KKN 58.45 78 P 37 05.20 -0.3
0.6s 9.00nm 4.6mb
PKI 58.66 78 P 37 06.40 -0.7
GUN 58.85 78 P 37 08.20 -0.2
YKA 71.42 338 eP 38 27.20 -0.4
0.4s 0.60nm 3.7mb
IMA 75.26 355 eP 38 51.27 1.4
0.6s 1.67nm 3.9mb
S.D. = 1.0 on 123 of 136 obs.

? JUN 25, 1992 22h 09m 12.53± 2.92s

14.763 N ±25.1km 60.817 W ±30.1km
DEPTH = 33.0km (normal)
WINDWARD ISLANDS (95)
ML 1.8 (FDF).

CRM 0.10 264 iPc 09 18.37 0.1
S 09 23.90
MVM 0.22 200 iPc 09 19.28 -0.1
S 09 26.10
FDF 0.32 265 iPc 09 20.56 -0.1
S 09 28.10
BIM 0.35 225 eP 09 21.05 0.1
S 09 28.80
S.D. = 0.2 on 4 of 4 obs.

JUN 25, 1992 22h 31m 23.34± 0.84s
46.969 N ± 6.4km 8.927 E ± 9.7km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.2 (LDG).

LLS 0.11 154 ePc 31 27.10 0.7
VDL 0.61 142 ePd 31 34.60 -1.2
SLE 0.85 340 ePc 31 39.50 -0.3
TMA 0.86 183 ePd 31 40.90 0.8
FEL 1.10 326 ePn 31 44.93 0.8
MMK 1.13 216 ePd 31 46.20 1.5
DIX 1.37 230 ePc 31 51.80 3.0X
BSF 1.69 302 Pg 31 58.20 5.1X
Sg 32 18.60
CDF 1.83 323 Pn 31 55.10 0.0
Pg 32 00.20
Sg 32 21.90
HAU 2.03 302 Pn 31 58.60 0.5
Sn 32 23.30
Sg 32 30.00
LPL 2.10 227 Pg 32 05.40 6.1X
Sg 32 36.00
LPG 2.11 227 Pn 31 58.00 -1.4
Pg 32 05.30
Sg 32 35.90
LBF 3.39 272 Pn 32 17.90 0.5
SMF 3.51 267 Pn 32 16.90 -2.1
S.D. = 1.2 on 11 of 14 obs.

? JUN 25, 1992 22h 47m 14.16± 2.44s
39.887 N ±14.9km 29.810 E ±16.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZI 0.52 330 ePn 47 24.00 -0.7
EYL 0.73 21 ePn 47 28.40 -0.1
YLV 0.76 334 ePn 47 29.90 0.9
DST 0.95 253 iPn 47 32.30 -0.1
S.D. = 1.1 on 4 of 4 obs.

% JUN 25, 1992 23h 09m 36.98± 0.78s
42.988 N ± 6.4km 18.927 E ± 5.5km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.3 (TTG).

NKY 0.18 163 iPgc 09 41.91 0.8
iSg 09 45.18
BRY 0.29 253 iPgd 09 43.37 0.2
iSg 09 48.37
PLE 0.48 45 iPgc 09 46.81 0.0
iSg 09 54.29
TTG 0.61 156 iPgd 09 48.53 -0.7
iSg 09 58.22
HCY 0.63 210 ePg 09 49.12 -0.4
iSg 09 58.74
BDV 0.71 186 iPgd 09 51.09 0.1
iSg 10 01.63
IVA 0.72 99 iPgc 09 51.23 0.0
iSg 10 01.58
PVY 0.87 117 iPgd 09 53.83 0.1
iSg 10 06.02
S.D. = 0.5 on 8 of 8 obs.

& JUN 25, 1992 23h 10m 01.70s
60.337 N 152.117 W
DEPTH = 96.2km
SOUTHERN ALASKA (2)
<AEIC>.

REF 0.33 298 P 10 15.80 -0.6
S 10 26.40
RED 0.34 284 iPc 10 15.63 -0.7
iS 10 26.47
eS 10 26.63
RSO 0.34 292 iPc 10 15.91 -0.6
eS 10 26.88
RS1 0.34 292 P 10 15.80 -0.7
RS2 0.34 292 iPc 10 15.94 -0.6
NNL 0.51 125 ePd 10 17.92 0.6
INE 0.55 240 ePc 10 16.85 -1.0
eS 10 29.62
INW 0.57 242 ePc 10 17.16 -0.9
HOM 0.72 161 eP 10 19.02 -0.2
eS 10 33.30
BKG 0.74 355 iPc 10 18.48 -1.0
eS 10 31.66
SPU 0.85 2 iPc 10 19.59 -1.0
eS 10 33.86
CKL 0.87 353 iPc 10 19.89 -0.9
CKN 0.89 358 iPc 10 20.31 -0.7
CPKM 0.93 357 ePc 10 20.89 -0.7
eS 10 35.69
BGL 0.94 352 iPc 10 20.75 -0.8
SLKM 0.96 79 eP 10 20.99 -0.7
eS 10 36.27
CGLM 0.98 3 eP 10 21.15 -0.8
NCG 1.07 359 ePc 10 22.03 -1.0
AUL 1.17 215 eP 10 23.85 -0.2
PDB 1.18 243 eP 10 22.91 -1.3
AUP 1.18 214 eP 10 23.63 -0.7
SUA 1.32 30 iPc 10 25.38 -0.6
eS 10 44.32
SEW 1.35 99 eP 10 25.19 -1.1
PMS 1.55 53 P 10 28.10 -0.7
CDD 1.61 209 eP 10 28.17 -1.4
PTE 1.62 70 eP 10 28.17 -1.4
SKT 1.67 10 ePc 10 29.01 -1.4
PWA 1.71 39 P 10 30.50 -0.3
SYI 1.74 185 eP 10 30.24 -0.9
SVW 1.89 296 P 10 31.20 -2.0
KNK 2.09 57 eP 10 34.04 -1.8
GHO 2.12 46 eP 10 34.71 -1.6
CUT 2.26 22 eP 10 36.62 -1.4
SML 2.36 50 iPc 10 37.65 -1.8
HIN 2.79 86 eP 10 43.54 -1.8
VLZ 2.95 72 eP 10 45.33 -2.1
KLU 3.24 66 ePc 10 49.24 -2.3
TOA 3.38 56 P 10 51.70 -1.7
GLB 4.21 71 eP 11 01.50 -3.3
WRH 4.55 23 P 11 03.50 -6.0
40 obs. associated

% JUN 25, 1992 23h 55m 25.37± 0.93s
43.948 N ±10.4km 12.101 E ± 4.7km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

SFI 0.18 261 Pd 55 30.60 1.2
eSg 55 33.60
RSM 0.25 95 P 55 30.70 -0.1
PGD 0.28 255 Pd 55 31.70 0.3
eSg 55 35.40
CRE 0.34 199 P 55 31.80 -0.6
eSg 55 35.60
ARV 0.76 126 P 55 40.00 -0.2
eSg 55 52.00
ASS 0.97 155 P 55 44.50 0.7
eSg 55 57.00
BDI 1.09 277 P 55 45.60 -0.3
PII 1.16 259 P 55 46.10 -1.0
eSg 56 01.00
S.D. = 0.8 on 8 of 8 obs.

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* JUN 26, 1992 00h 29m 10.06± 1.01s
38.026 N ± 9.7km 30.770 E ± 9.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

KHL 1.03 287 iPn 29 28.50 -1.0
ALT 1.15 333 iPn 29 33.00 1.4
CIN 2.17 260 eP 29 48.00 1.3
NAL 2.21 11 eP 29 45.00 -2.5X
DST 2.30 314 iPn 29 47.70 -0.9
GYN 2.32 359 eP 29 47.00 -2.0
BBTK 2.39 40 eP 29 51.00 1.1
IZI 2.52 337 ePn 29 52.40 0.7
YLV 2.76 337 ePn 29 57.00 1.8X
CSS 3.69 145 eP 30 07.90 -0.5
S.D. = 1.5 on 8 of 10 obs.

JUN 26, 1992 02h 09m 56.15± 0.13s
22.281 S ± 3.2km 179.572 W ± 3.5km
DEPTH = 597.6km (14 depth phases)
5.4mb (57 obs.)
SOUTH OF FIJI ISLANDS (171)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 02:09:58.1 0.9
Lat 21.90S 0.11 Lon 179.26W 0.09
Dep 609.4 5.6 Half-duration 1.7
Moment Tensor; Scale 10**16 Nm
Mrr=-1.86 0.80 Mtt=-2.16 1.17
Mff= 4.03 1.00 Mrt=-2.47 1.18
Mrf=-9.51 0.99 Mtf= 3.85 1.20
Principal Axes:
T Val= 12.46 Plg=35 Azm=111
N -3.57 13 12
P -8.89 53 265
Best Double Couple:Mo=1.1*10**17
NP1:Strike=245 Dip=16 Slip= -36
NP2: 10 81 -103

SVA 4.54 336 iPc 11 24.90 -0.9
VUN 4.63 336 iPc 11 25.20 -1.3
eS 12 44.50
KRO 5.04 349 ePc 11 28.90 -0.8
SGE 5.23 333 ePc 11 24.90 -6.4X
MBU 5.52 343 iPd 11 33.20 -0.5
NDE 5.76 349 eP 11 34.80 -0.9
UDU 6.11 356 ePc 11 38.00 -0.6
YSA 6.17 334 ePc 11 38.80 -0.4
RAO 7.10 168 P 11 47.20 -0.2
eS 13 16.50
DZM 12.96 268 iPc 12 45.00 0.6
iS 15 09.00
ScP 20 08.20
OUZ 14.21 203 P 12 59.00 2.6
WCZ 14.61 200 P 13 03.70 3.4X
KUZ 14.98 195 P 13 06.40 2.5
PUZ 15.85 186 eP 13 13.40 1.1
WLZ 16.09 194 P 13 17.50 2.9X
URZ 16.18 189 P 13 14.60 -0.9
PATZ 16.44 192 P 13 19.80 1.7
MOZ 16.88 195 P 13 24.70 2.5
PGZ 18.62 190 eP 13 38.90 0.4
MNG 18.76 192 eP 13 38.30 -1.6
eS 16 33.20
KIW 19.11 193 eP 13 42.70 -0.4
MRW 19.50 193 eP 13 45.10 -1.6
eS 16 46.80
TCW 19.58 194 eP 13 47.20 -0.2
ORZ 19.66 198 P 13 47.20 -1.0
THZ 20.43 196 eP 13 55.30 0.0
eS 17 02.60
KHZ 20.89 194 eP 13 57.40 -1.9
LTZ 21.55 197 P 14 03.70 -1.7
eS 17 22.00
MQZ 22.32 195 eP 14 10.60 -1.7
HNR 23.44 300 eP 14 21.00 -1.6
LRCZ 24.48 199 eP 14 28.80 -2.9X
MMCZ 24.49 200 eP 14 29.20 -2.5
MHZ 24.50 199 eP 14 30.00 -1.8
SBCZ 24.51 199 eP 14 30.00 -1.9
LSCZ 24.52 199 eP 14 30.30 -1.6
CMCZ 24.58 199 eP 14 30.90 -1.6
TLC 24.68 199 eP 14 32.20 -1.2
ARMA 27.00 246 iPd 14 55.60 1.8
0.8s 284.00nm 6.0mb
e 18 54.00
AFR 28.38 86 iP 15 05.20 -0.6
1.1s 210.00nm 5.7mb
PAE 28.53 86 iP 15 06.30 -0.8
1.1s 130.00nm 5.5mb
PPT 28.56 86 iP 15 06.60 -0.8
1.1s 185.00nm 5.6mb
PPN 28.70 86 iP 15 07.80 -0.8
1.1s 80.00nm 5.3mb
TVO 28.81 87 iP 15 08.80 -0.8
1.1s 260.00nm 5.8mb
RMO 29.11 255 iPd 15 12.50 0.5
0.5s 127.00nm 5.8mb
i 15 27.20 60kmX

26d 02h

e 16 44.00
e 19 26.00
CNB 30.03 237 iPc 15 21.60 1.7
0.4s 228.00nm 6.2mb
CAN 30.31 238 iPd 15 23.60 1.4
BWA 30.53 240 iPd 15 23.10 -1.0
PMO 30.83 82 iP 15 26.20 -0.4
0.9s 150.00nm 5.6mb
VAH 31 00 83 iP 15 27.20 -0.9
0.9s 130.00nm 5.6mb
TPT 31.09 82 iP 15 28.30 -0.5
0.9s 200.00nm 5.7mb
RUV 31.24 83 iP 15 29.40 -0.7
0.9s 200.00nm 5.7mb
CTA 31.90 267 iPd 15 36.40 0.7
0.6s 1135.00nm 6.7mb X
iPcP 18 08.30
eS 19 54.40
iScP 20 58.60
CMS 32.08 246 iPd 15 38.40 1.3
0.7s 78.00nm 5.4mb
i 17 15.20
OLP 33.16 255 iPd 15 47.00 0.8
0.1s 236.00nm 6.8mb X
e 20 25.00
TOO 33.67 235 iPd 15 52.00 1.6
0.7s 263.00nm 6.0mb
i 16 30.90 185kmX
i 17 37.00
PMG 34.38 287 iPd 15 55.90 -0.5
0.9s 487.39nm 6.1mb
STK 35.72 246 iPd 16 08.60 1.3
0.6s 100.80nm 5.6mb
iS 21 04.40
ePcS 22 07.60
LAT 35.78 291 eP 16 08.10 0.2
BFD 35.83 237 eP 16 08.00 -0.2
0.9s 44.00nm 5.1mb
i 16 46.80 179kmX
MDG 37.53 292 ePd 16 22.30 0.1
OIS 37.96 265 iPd 16 25.20 -0.6
0.4s 25.00nm 5.1mb
e 21 20.00
ADE 38.48 241 iPd 16 30.50 0.6
0.6s 164.00nm 5.7mb
ASPA 42.71 259 iPd 17 03.60 -0.2
0.8s 382.80nm 6.0mb
Z 21s 0.30um 4.2Msz
iScP 21 39.60
iS 22 02.50
iScS 26 00.20
WB2 42.92 264 iPc 17 04.80 -0.6
0.5s 350.70nm 6.1mb
eS 22 46.50
WRA 42.93 264 P 17 05.20 -0.3
0.7s 99.10nm 5.5mb
MTN 47.75 273 iPd 17 41.30 -1.1
0.6s 353.00nm 6.1mb
WAR8 48.92 254 iPd 17 40.70 -10.3X
GUA 49.79 312 eP 17 56.20 -1.2
0.7s 361.64nm 6.0mb
GUMO 49.86 312 eP 17 56.90 -1.0
1.0s 382.90nm 5.9mb
PJG 49.86 312 eP 17 56.20 -1.7
COOL 53.18 247 iPd 18 21.00 -0.9
MBL 55.96 259 iPd 18 40.30 -1.0
MEEK 55.97 252 iPd 18 40.10 -1.3
KLB 55.98 246 iPd 18 40.70 -0.7
0.1s 44.00nm 5.7mb
NWAO 56.27 244 eP 18 43.00 -0.3
Z 20s 2.10um 5.2Msz
BAL 57.01 247 iPd 18 48.00 -0.4
0.5s 81.00nm 5.2mb
MUN 57.25 245 eP 18 50.00 0.0
MRWA 57.82 249 iPd 18 53.50 -0.5
0.5s 50.00nm 5.0mb
NANU 59.53 256 iPd 19 05.40 0.0
0.2s 25.00nm 5.1mb
BIP 61.12 294 iPd 19 13.00 -2.8
CSY 61.74 206 P 19 20.39 1.3
CGP 62.56 293 iPc 19 23.50 -1.5
PCI 62.57 281 ePd 19 27.40 2.2
1.0s 19.50nm 4.4mb
e 22 15.50
PLP 63.71 296 ePc 19 30.00 -2.4
SPA 67.85 180 iPd 19 59.40 1.9
1.1s 36.31nm 4.8mb

i 21 55.00 564kmX
CHJJ 70.01 325 P 20 09.50 -0.9
MAT 70.79 325 iPd 20 14.10 -0.9
0.8s 11.94nm 4.5mb
eS 28 47.00
OFUJ 71.00 329 eP 20 15.80 -0.3
MTMJ 71.04 325 P 20 15.40 -1.1
TSRJ 71.26 323 P 20 17.60 -0.1
KAGJ 71.28 316 P 20 18.20 0.3
KUMJ 72.22 318 eP 20 23.20 -0.1
KUSJ 72.89 333 eP 20 26.70 -0.2
HOOJ 72.91 332 eP 20 27.90 0.9
SHNJ 73.12 319 eP 20 27.90 -0.5
MRRJ 73.92 331 eP 20 32.70 0.0
OZH 76.19 304 iPd 20 45.90 0.4
1.1s 220.00nm 5.6mb
SSE 77.72 311 Pc 20 53.50 -0.2
1.0s 27.00nm 4.6mb
GZH 79.33 300 iPd 21 04.00 1.7
MAW 79.40 200 P 21 03.70 1.8
NJ2 79.90 311 Pd 21 05.80 0.7
1.0s 67.00nm 5.0mb
ARN 80.62 43 iP 21 09.69 0.9
ABL 80.65 46 iP 21 09.74 0.5
epP 23 15.28 591km
MDJ 81.15 326 Pd 21 11.70 0.5
1.0s 55.00nm 5.0mb
FHC 81.26 39 eP 21 13.04 1.1
1.3s 88.24nm 5.1mb
PLM 81.42 49 eP 21 13.76 0.6
epP 23 20.22 595km
ORV 81.98 42 iPc 21 16.18 0.7
LTCM 81.99 41 (P) 21 16.67 1.1
WHN 82.33 307 Pd 21 18.50 1.1
1.0s 27.00nm 4.7mb
SNY 82.64 321 iPd 21 18.60 -0.1
0.9s 47.00nm 5.0mb
CN2 82.83 323 iPd 21 20.20 0.6
1.2s 110.00nm 5.3mb
LBFM 82.83 40 eP 21 20.31 0.3
epP 23 28.65 603km
BONR 83.05 44 iP 21 22.03 0.7
epP 23 29.88 600km
TIA 83.41 313 Pd 21 23.60 0.9
1.0s 81.00nm 5.2mb
KVN 83.80 43 eP 21 25.80 0.9
TNP 83.82 45 eP 21 25.93 0.9
1.0s 17.59nm 4.6mb
epP 23 34.32 602km
SLKM 85.88 14 iPd 21 33.24 -1.0
BJI 86.14 316 eP 21 36.50 0.7
1.0s 33.00nm 5.0mb
CRP 86.14 13 iP 21 34.06 -1.6
ARUT 86.16 47 eP 21 36.91 0.6
epP 23 45.02 595km
GYA 86.27 300 P 21 38.00 1.0
NNT 86.30 285 iPd 21 38.00 0.9
RMW 86.66 35 iP 21 39.45 1.2
epP 23 47.61 595km
TTA 86.95 11 iP 21 38.79 -0.5
1.3s 28.98nm 4.8mb
PMR 87.09 14 iPd 21 38.90 -1.0
0.5s 12.69nm 4.9mb
TIY 87.38 313 Pd 21 42.50 0.6
1.0s 78.00nm 5.4mb
MSU 87.39 46 eP 21 42.98 0.8
epP 23 51.55 596km
KLU 87.76 15 iP 21 42.58 -0.6
XAN 88.06 308 iPd 21 46.30 1.2
1.0s 64.00nm 5.4mb
BALM 88.30 17 eP 21 45.27 -0.4
HVU 88.70 43 eP 21 48.52 0.5
epP 23 57.60 596km
BDT 88.80 289 iPd 21 50.50 1.8
1.0s 103.50nm 5.7mb
SRU 88.81 47 iPc 21 49.13 0.5
epP 23 58.59 598km
KMI 88.86 298 Pd 21 51.00 1.8
1.5s 180.00nm 5.8mb
pP 24 02.50 610kmX
PNT 88.94 35 eP 21 50.00 1.2
0.8s 11.00nm 4.8mb
EMUT 88.96 46 eP 21 49.90 0.5
DAU 88.98 45 ePc 21 50.36 0.8
CHG 89.48 290 ePd 21 33.50 -18.4X
1.0s 130.00nm
HHC 89.56 315 P 21 53.00 1.1

1.0s 67.00nm 5.5mb
ALO 89.65 52 eP 21 53.35 0.7
1.2s 19.85nm 4.9mb
epP 24 02.58 596km
IMA 90.24 10 iP 21 54.23 -0.3
1.1s 11.67nm 4.8mb
(pP) 24 03.87 598km
FBA 90.29 13 eP 21 53.32 -1.3
0.6s 12.67nm 5.1mb
epP 24 03.32 600km
CD2 90.52 303 P 21 57.80 1.3
GOL 92.59 48 eP 22 05.43 -0.7
0.8s 5.55nm 4.6mb
ipP 24 16.13 602km
LZH 92.69 308 iPd 22 07.50 1.0
1.5s 71.00nm 5.5mb
GTA 96.97 310 P 22 25.50 -0.3
1.0s 19.00nm 5.4mb
WMQ 106.98 311 ePdiff23 09.00 -1.3X
OUE 120.54 293 ePKP 27 42.70 0.0
MAIO 127.36 299 ePKP 27 55.00 -0.6
BUL 129.65 215 iPKPc 28 01.41 1.0
0.8s 7.46nm
KEV 129.92 348 ePKP 27 53.00 -6.2X
eSKP 30 27.00
KAF 136.43 343 ePKP 27 58.10 -13.7X
OBN 137.58 330 ePKP 28 13.00 -1.2
1.7s 70.00nm
NUR 138.20 342 ePKP 28 04.00 -11.1X
eSKP 30 54.00
UPP 140.53 346 iPKP 28 11.70 -7.6X
NB2 140.55 352 PKP 28 12.40 -7.0X
0.5s 1.70nm
HFS 141.04 349 ePKP 28 13.40 -6.9X
0.3s 13.50nm
KVT 144.68 310 iPKP 28 28.00 0.8
EDU 145.68 3 ePKPd 28 29.20 1.0
1.2s 85.00nm
ELO 145.72 4 ePKPd 28 29.20 0.9
0.9s 40.00nm
EBH 145.95 4 ePKPd 28 30.10 1.4
1.1s 73.00nm
EAB 145.95 5 ePKPd 28 30.00 1.3
0.9s 36.00nm
ESY 146.33 3 ePKPd 28 31.00 1.7
0.9s 54.00nm
EAU 146.36 4 ePKPd 28 31.30 2.0X
1.1s 67.00nm
EBL 146.45 4 ePKPd 28 31.50 2.0X
1.0s 45.00nm
EKA 146.88 4 PKPd 28 32.40 2.2X
0.7s 13.30nm
BHL 146.99 298 PKP 28 32.00 0.8
HRI 147.04 297 ePKP 28 30.10 -1.2
CLI 147.47 325 ePKPd 28 34.50 3.0X
BBTK 147.47 310 ePKP 28 32.00 0.2
DSI 147.61 294 ePKP 28 31.40 -0.7
DMU 147.94 8 iPKPd 28 35.50 3.6X
FAM 148.08 301 ePKP 28 36.80 4.1X
RMN 148.38 292 ePKP 28 33.40 -0.1
DCN 148.43 9 iPKPd 28 36.60 3.9X
DLF 148.58 8 iPKPd 28 36.80 3.9X
CSS 148.62 301 ePKP 28 38.00 4.4X
MLR 148.86 324 ePKPd 28 38.00 4.2X
KSP 148.91 340 iPKPd 28 38.60 5.1X
0.9s 95.00nm
i 28 45.20
e 30 54.50
WIT 149.14 353 ePKP 28 35.00 1.2
id 28 39.50
e 30 59.00
ETA 149.21 8 iPKPd 28 38.30 4.4X
CLL 149.42 344 iPKP 28 33.50 -0.8
1.3s 13.00nm
i 28 39.40
pPKP 30 58.00
PPCY 149.42 301 ePKP 28 39.40 4.6X
EC8 149.46 9 ePKP 28 38.80 4.5X
BRG 149.57 343 iPKP 28 34.80 0.3
i 28 40.10
i 28 47.60
epPKP 30 59.40
ECP 149.69 8 ePKP 28 39.30 4.7X
WTS 149.93 352 ePKP 28 35.00 0.0
1.0s 129.00nm
id 28 40.90
e 30 59.00

PRU 150.20 342 iPKPd 28 41.50 6.0X
1.0s 42.40nm
e 28 49.00
AKUR 150.23 279 ePKP 28 41.50 5.2X
MOX 150.36 346 ePKP 28 35.70 0.0
1.4s 57.00nm
e 28 42.60
e 28 50.80
ZST 150.90 337 ePKP 28 36.80 0.2
i 28 43.30
i 28 52.40
e 31 03.00
ENN 151.24 353 ePKP 28 32.50 -4.5X
0.9s 24.00nm
id 28 43.60
ic 28 54.10
e 31 04.00
KHC 151.24 342 iPKP 28 37.50 0.4
1.2s 25.00nm
i 28 44.10
i 28 55.40
GRF 151.35 345 ePKP 28 36.90 -0.3
id 28 44.30
id 28 55.30
MEM 151.39 353 iPKPd 28 43.86 6.7X
ic 28 54.50
GEC2 151.46 341 PKP 28 35.90 -1.6
SNF 151.66 355 PKP 28 44.80 7.2X
e 28 55.80
EZN 151.90 314 ePKP 28 44.60 6.3X
DOU 152.05 354 PKP 28 45.70 7.5X
e 31 06.90
PRK 152.23 313 ePKP 28 45.50 6.7X
WLF 152.30 352 PKP 28 41.00 2.5X
e 28 47.00
e 31 07.00
KBA 153.15 340 iPKPc 28 39.40 -0.7
0.8s 11.50nm
i 28 47.20
i 29 02.60
epPKP 30 31.00
e 31 07.00
PTJ 153.25 335 ePKP 28 39.70 -0.4
ZAG 153.31 335 ePKP 28 40.00 -0.1
VAY 153.40 321 iPKP 28 47.50 7.2X
1.0s 94.00nm
i 29 04.30
WATA 153.44 343 iPKPc 28 39.80 -0.6
i 28 48.10
i 29 04.20
WTTA 153.49 343 iPKPc 28 40.20 -0.3
0.4s 19.00nm
i 28 48.50
i 29 04.30
MOTA 153.55 344 iPKPc 28 40.10 -0.5
1.1s 56.60nm
i 28 48.80
i 29 04.40
FLN 153.56 1 ePKP 28 40.20 -0.1
0.8s 9.25nm
SKO 153.63 323 ePKP 28 23.00 -17.6X
1.5s 85.00nm
i 28 48.70
i 29 06.00
i 31 03.50
SOTA 153.64 343 iPKPc 28 40.40 -0.2
0.8s 19.30nm
i 28 48.70
i 29 05.00
LJU 153.66 338 ePKP 28 40.00 -0.5
epPKP 31 06.00
LDF 153.74 1 ePKP 28 40.40 -0.1
0.8s 3.75nm
VBY 153.85 336 ePKP 28 40.50 -0.3
ePKPbc28 49.60
ePKPab29 05.80
VOY 153.89 338 ePKP 28 40.50 -0.5
ePKPbc28 48.90
ePKPab29 05.10
CEY 153.96 337 ePKP 28 41.00 0.0
BSF 154.00 350 ePKP 28 41.00 -0.1
0.7s 3.00nm
LPF 154.28 2 ePKP 28 41.30 0.0
0.8s 3.35nm
NPS 154.50 306 ePKP 28 42.00 0.0
OHR 154.56 322 ePKP 28 39.70 -2.3X
1.1s 117.00nm

i 29 09.10
LOR 154.92 354 ePKP 28 42.30 0.1
0.9s 5.10nm
BCAO 155.05 227 iPKPd 28 43.20 -0.2
0.5s 35.00nm
i 28 54.10
i 29 13.00
i 31 07.50
i 32 51.10
SSF 155.15 355 ePKP 28 42.70 0.2
0.7s 3.65nm
LBF 155.19 354 ePKP 28 42.80 0.2
1.1s 6.85nm
AVF 155.43 355 ePKP 28 42.70 -0.2
0.9s 2.80nm
SMF 155.54 354 ePKP 28 42.90 -0.2
0.9s 5.55nm
BGF 155.70 356 ePKP 28 43.40 0.1
1.0s 6.60nm
MFF 155.73 1 ePKP 28 43.40 0.1
0.8s 4.05nm
VLI 155.77 311 ePKP 28 53.20 9.5X
TCF 156.01 357 ePKP 28 43.70 -0.1
1.1s 8.05nm
RJF 157.02 358 ePKP 28 45.20 0.2
1.0s 5.00nm
CAF 157.37 357 ePKP 28 45.90 0.4
1.1s 4.65nm
LFF 157.40 359 ePKP 28 46.00 0.6
LPO 157.65 359 ePKP 28 46.30 0.6
1.3s 8.30nm
EPF 159.31 0 ePKP 28 48.30 0.6
0.9s 4.10nm
LIC 163.19 161 PKP 28 52.80 0.5
KIC 163.40 162 PKP 28 53.00 0.4
TIC 163.59 160 PKP 28 53.10 0.3
S.D. = 1.0 on 196 of 237 obs.

JUN 26, 1992 02h 36m 13.46± 0.23s
8.790 S ± 5.3km 112.593 E ± 6.3km
DEPTH = 63.9km (8 depth phases)
5.2mb (36 obs.)
JAWA, INDONESIA (277)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 12C
Centroid Location:
Origin Time 02:36:12.4 1.0
Lat 8.91S FIX;Lon 112.58E FIX
Dep 112.8 6.4 Half-duration 1.2
Moment Tensor; Scale 10**16 Nm
Mrr= 5.73 0.71 Mtt= 0.44 0.91
Mff=-6.18 1.12 Mrt= 0.20 0.67
Mrf=-3.75 1.26 Mtf= 0.37 0.96
Principal Axes:
T Val= 6.82 Plg=74 Azm= 90
N 0.47 1 357
P -7.28 16 267
Best Double Couple:Mo=7.1*10**16
NP1:Strike=356 Dip=29 Slip= 88
NP2: 178 61 91

PCI 10.65 43 ePd 38 51.60 5.8X
1.0s 6.00nm 4.6mb
e 41 23.00
NANU 13.98 169 eP 39 22.20 -7.8X
0.2s 7.00nm 4.8mb
eS 41 43.00
MBL 14.14 151 eP 39 24.50 -7.6X
eS 41 47.00
KNA 17.24 115 eP 40 11.00 -0.6
MEEK 18.65 163 iPc 40 25.50 -3.3X
eS 43 32.50
MTN 18.65 104 eP 40 28.00 -0.8
0.4s 104.00nm 5.4mb
MRWA 20.57 172 eP 40 50.00 0.5
eS 44 18.20
CGP 20.95 35 eP 40 57.50 4.2X
MUN 23.32 172 eP 41 29.00 12.4X
eS 45 27.00
PLP 23.34 32 ePc 41 20.00 3.0X
COOL 23.39 161 eP 41 15.00 -2.4
e 41 30.00 64km
eS 45 25.00
WRA 23.77 120 P 41 20.89 -0.3
WB2 23.78 120 eP 41 20.60 -0.7
0.8s 29.70nm 4.8mb

iPcP 45 04.30
eS 45 19.80
ASPA 25.19 128 iPc 41 33.40 -1.4
0.9s 55.00nm 5.0mb
Z 21s 0.40um 3.9MszX
iPcP 45 07.60
iS 46 17.20
CTA 34.40 113 eP 42 57.30 0.4
0.9s 76.89nm 5.6mb
STK 35.39 135 iPc 43 04.30 -0.8
0.6s 19.60nm 5.2mb
iScP 45 53.60
eS 49 52.80
GYA 35.51 351 P 43 08.60 2.3
CMS 38.26 131 eP 43 29.00 -0.3
RMQ 38.51 122 iPc 43 32.00 0.5
0.3s 7.00nm 5.0mb
e 43 49.50 71km
KOD 39.74 298 eP 43 42.50 0.3
CD2 40.37 348 P 43 47.60 0.8
0.8s 58.00nm 5.5mb
SSE 40.50 11 Pc 43 50.00 2.2
1.0s 19.00nm 4.9mb
NJ2 41.05 8 eP 43 52.20 -0.1
TOO 41.27 139 eP 43 55.00 0.8
0.8s 18.00nm 4.9mb
ARMA 42.29 126 iPd 44 04.40 1.6
1.0s 20.00nm 4.9mb
HYB 42.54 308 eP 44 03.50 -1.3
XAN 42.74 356 P 44 06.90 0.8
LSA 43.48 332 P 44 14.00 1.3
0.6s 34.00nm 5.3mb
GUN 44.71 326 P 44 21.40 -1.2
0.6s 32.00nm 5.3mb
PKI 44.72 325 P 44 20.80 -1.8
DMN 44.92 325 P 44 22.40 -1.8
KKN 44.96 325 P 44 22.80 -1.6
TIA 44.96 5 eP 44 24.30 0.3
PcP 46 05.50
LZH 45.39 350 P 44 28.70 1.1
2.0s 74.00nm 5.2mb
pP 44 46.00 69km
sP 44 56.00
GKN 45.49 324 P 44 26.80 -1.7
TIY 46.26 360 eP 44 34.40 0.1
POO 46.88 306 iPd 44 40.10 0.5
BJI 48.70 4 eP 44 53.50 0.3
1.3s 32.00nm 5.2mb
BTO 49.20 357 P 44 57.20 -0.1
GTA 49.40 347 P 44 59.50 0.6
1.0s 19.00nm 5.1mb
PcP 46 21.00
HHC 49.40 359 eP 44 59.50 0.7
MAT 51.11 27 eP 45 10.00 -1.9
1.0s 10.00nm 4.8mb
SNY 51.37 11 iPd 45 13.00 -0.6
0.8s 18.00nm 5.2mb
DZM 53.31 111 iPc 45 28.50 -0.1
CN2 53.63 12 P 45 29.80 -0.6
1.2s 26.00nm 5.1mb
PcP 46 36.50
OFUJ 54.76 28 eP 45 38.40 -0.4
MDJ 55.33 15 Pc 45 41.90 -1.0
1.0s 37.00nm 5.4mb
WMQ 57.03 339 P 45 54.50 -0.7
0.6s 15.00nm 5.3mb
PcP 46 50.00
QUE 58.51 313 eP 46 03.90 -2.0
CIT 60.55 1 eP 46 20.00 0.6
MOY 61.06 352 eP 46 22.90 0.2
YSS 61.69 23 iPc 46 26.00 -1.1
0.9s 20.00nm 5.2mb
FRU 61.95 329 eP 46 28.80 -0.2
1.2s 40.00nm 5.4mb
e 46 45.00 60km
e 47 08.00
BOD 66.42 1 iPc 46 57.70 0.0
0.8s 31.00nm 5.3mb
MAIO 67.05 315 eP 47 01.00 -1.3
MAW 67.35 198 P 47 03.00 -0.6
GRS 77.78 314 iPc 48 05.00 -0.7
1.1s 40.00nm 5.3mb
SVE 77.98 334 ePc 48 06.00 -0.2
1.7s 60.00nm 5.3mb
e 48 23.00 61km
ARU 78.65 333 eP 48 09.50 -0.4
e 48 27.00 63km

26d 02h

NRI 79.84 351 iPc 48 15.00 -1.1
1.2s 32.00nm 5.1mb
i 48 32.00 61km
SLR 81.15 245 iPd 48 24.00 -0.1
0.8s 18.66nm 5.1mb
Z 18s 3.44um 5.8Msz
SPA 81.27 180 iPc 48 23.20 -0.8
0.8s 11.25nm 4.9mb
BUL 81.41 251 iPd 48 25.90 0.3
0.9s 8.40nm 4.7mb
PYA 81.71 317 iP 48 27.00 0.5
i 48 44.00 61km
KIV 81.94 317 iPc 48 28.30 0.5
MBH 83.81 301 iPc 48 38.30 0.6
HRI 83.95 305 iPc 48 39.80 1.5
ADI 84.32 305 iPc 48 41.70 1.6
MOS 88.87 327 eP 49 03.00 1.3
OBN 89.24 326 iPc 49 03.90 0.4
0.9s 80.00nm 6.0mb
HON 92.60 69 P 49 30.00 10.3X
Z 21s 0.72um 5.1Msz
BCAO 94.67 274 iPd 49 28.50 -1.0
0.6s 17.00nm 5.7mb
SDN 95.40 35 P 49 50.00 18.1X
Z 20s 1.59um 5.5Msz
KAF 95.96 332 iP 49 34.30 -0.1
0.7s 12.90nm 5.6mb
NUR 96.57 330 eP 49 37.10 0.0
HFS 102.00 330 ePdiff50 01.00 -0.6
0.8s 5.60nm 5.3mb
NB2 103.15 331 Pdiff 50 06.40 -0.4
0.8s 1.70nm 4.9mb
SIT 109.28 32 PKP 54 50.00 12.3X
Z 19s 0.60um 5.2Msz
YKA 116.51 22 ePKP 54 50.70 -0.6
0.7s 1.90nm
ORV 122.99 48 (PKP) 55 09.44 5.0X
EMUT 130.53 44 (PKP) 55 20.99 1.7
SRU 131.05 45 ePKP 55 21.44 1.2
RSSD 132.58 36 PKP 55 40.00 17.0X
Z 18s 0.06um 4.4Msz
GOL 134.25 41 iPKP 55 25.96 -0.4
ALO 135.82 48 PKP 55 40.00 10.6X
Z 19s 0.15um 4.7Msz
CCM 143.79 33 ePKP 55 41.00 -2.4X
BNH 144.18 5 iPKP 55 42.58 -1.3
FVM 144.28 32 iPKP 55 42.46 -1.8X
PDCR 144.81 233 ePKP 55 44.40 -1.4
OLY 145.50 36 iPKP 55 46.63 0.2
PPD 145.54 207 ePKPc 55 47.10 0.2
HRV 146.22 6 ePKP 55 49.13 1.8
ITR 146.27 240 ePKP 55 49.30 1.0
e 56 08.00
TBR 147.22 10 iPKP 55 51.77 2.8X
LVNJ 147.45 10 iPKP 55 52.49 3.1X
PNJ 147.46 10 iPKP 55 52.80 3.5X
pP 56 11.50
GMTN 147.48 10 iPKP 55 52.30 2.9X
PWLA 147.79 33 ePKP 55 52.79 2.7X
NAV 149.12 21 iPKPc 55 56.53 4.3X
GBTN 149.16 27 (PKP) 55 48.98 -3.3X
CVL 149.27 17 ePKP 55 57.34 5.0X
TKL 149.36 27 iPKP 55 57.80 5.2X
CEH 150.99 20 iPKP 56 01.73 6.7X
Z 19s 0.65um 5.4Msz
PRM 151.31 27 ePKP 56 01.10 5.6X
JSC 151.62 25 iPKP 56 03.01 7.0X
LHS 151.62 24 iPKP 56 03.15 7.2X
CCH 153.97 183 ePKP 56 02.00 1.9
e 56 10.00
CNCB 154.56 179 iPKPc 56 03.20 2.0
SIV 154.59 194 ePKP 56 02.00 1.4
LPB 154.83 178 PKP 56 03.00 1.6
ZOBO 155.07 178 PKP 56 03.00 1.0
S.D. = 1.1 on 83 of 111 obs.

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* JUN 26, 1992 03h 10m 48.44± 1.16s
19.149 S ±10.1km 70.719 W ± 9.4km
DEPTH = 74.3 ± 12.7 km
4.0mb (1 obs.)
NEAR COAST OF NORTHERN CHILE (122)

ARE 2.77 344 iPd 11 31.00 -0.8
i(S) 12 03.80
CNCB 3.49 49 iPKPc 11 42.80 0.7
LPB 3.61 44 iPKPc 11 44.50 1.0
1.0s 1136.00nm
LR 04 34.00
ZOBO 3.77 41 iPKPc 11 46.20 0.3
i 43 08.00
LR 04 23.00
CCH 4.69 69 P 11 57.80 -0.8
NNA 9.25 319 iPd 13 00.80 -0.6
eS 14 38.50
SIV 9.72 73 P 13 01.60 -6.3X
PEL 13.94 180 ePc 14 04.50 0.6
0.9s 110.92nm 5.2mb X
PPD 18.39 102 (P) 14 55.00 -5.1X
VAO 22.48 104 (P) 15 41.00 -1.7
ITR 32.94 76 eP 17 14.50 -3.7X
KDS 65.69 66 iP 21 27.00 -0.6
KIC 69.72 75 P 21 53.50 0.7
YKA 88.42 341 eP 23 34.20 1.1
0.5s 0.60nm 4.0mb
S.D. = 1.1 on 11 of 14 obs.

JUN 26, 1992 03h 18m 52.24± 0.28s
33.719 S ± 6.2km 178.862 W ± 6.6km
DEPTH = 33.0km (normal)
5.6mb (20 obs.) 5.6Msz (16 obs.)
SOUTH OF KERMADEC ISLANDS (179)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 78C
Centroid Location:
Origin Time 03:18:55.5 0.3
Lat 33.44S 0.04 Lon 178.43W 0.03
Dep 15.0 FIX Half-duration 3.1
Moment Tensor; Scale 10**17 Nm
Mrr= 2.93 0.08 Mtt= 0.17 0.10
Mff=-3.10 0.12 Mrt= 0.89 0.22
Mrf= 6.24 0.25 Mtf=-1.26 0.09
Principal Axes:
T Val= 6.85 Plg=58 Azm=271
N 0.48 5 10
P -7.33 31 104
Best Double Couple:Mo=7.1*10**17
NP1:Strike=212 Dip=14 Slip= 112
NP2: 9 77 84

HBZ 4.51 210 eP 19 59.40 -0.5
RAO 4.53 11 P 19 53.50 -6.7X
S 20 51.50
PUZ 4.93 207 eP 20 04.10 -1.9
KUZ 5.37 234 eP 20 13.60 1.6
URZ 5.58 215 eP 20 13.30 -1.8
WCZ 6.01 246 eP 20 23.10 1.9
PAHZ 6.10 212 eP 20 21.90 -0.6
WLZ 6.12 226 eP 20 22.70 0.0
WHH 6.37 215 eP 20 24.90 -1.5
OUZ 6.41 254 eP 20 29.40 2.7
TTH 6.76 210 eP 20 30.70 -1.0
MOZ 7.01 225 eP 20 35.20 0.1
WAHZ 7.10 211 eP 20 32.90 -3.5X
PGZ 7.90 208 eP 20 42.90 -4.8X
NRZ 8.06 224 eP 20 54.50 4.5X
MNG 8.23 212 eP 20 47.30 -5.0X
eS 22 21.30
MTW 8.67 209 eP 20 52.40 -6.0X
KIW 8.68 213 eP 20 53.00 -5.5X
CAW 8.81 211 eP 20 55.90 -4.4X
MRW 9.07 212 eP 20 58.80 -5.1X
eS 22 39.40
SNZO 9.14 212 P 21 04.00 -0.7X
S 22 42.00
KHZ 10.54 212 eP 21 18.20 -5.9X
LTZ 11.42 215 eP 21 30.20 -5.8X
MMCZ 14.58 216 eP 22 14.00 -4.1X
SVA 15.72 351 ePd 22 29.40 -3.5X
DZM 17.39 308 iPc 22 57.00 2.9X
BKM 19.73 321 iPc 23 22.40 0.3
RAR 20.98 58 P 23 36.00 1.0
S 27 36.00
RIV 24.88 261 eP 24 20.00 6.7X
Z 18s 26.74um 5.8Msz
eS 29 12.00
ARMA 25.18 269 iPd 24 20.00 3.6X
0.9s 51.00nm 5.1mb
CNB 26.17 257 iPc 24 29.60 4.1X
CAN 26.47 257 eP 24 31.10 2.9X
BWA 27.05 259 eP 24 33.70 0.2
RMQ 28.84 276 eP 24 50.00 0.2
1.0s 216.00nm 5.8mb
e 28 00.00
TOO 29.11 252 eP 24 54.00 1.9
i 27 59.50
i 31 41.00
CMS 29.74 264 iPc 25 00.20 2.4X
1.0s 41.00nm 5.2mb
HNR 31.05 316 eP 25 15.00 5.6X
BFD 31.48 253 eP 25 14.00 0.9
1.2s 70.00nm 5.4mb
e 28 04.00
QLP 32.57 273 eP 25 24.00 1.4
STK 33.16 262 eP 25 29.10 1.4
1.0s 4.80nm 4.4mb X
iPcP 28 09.20
eS 31 12.90
eScS 35 49.40
CTA 33.77 285 iPd 25 33.50 0.3
0.6s 212.00nm 6.2mb
iS 30 56.90
iScP 31 56.10
ADE 34.87 256 e(P) 25 43.00 0.5
1.0s 176.00nm 5.9mb
QIS 38.96 279 eP 26 17.00 -0.1
0.9s 55.00nm 5.3mb
e 32 14.00
PMG 39.49 300 eP 26 26.00 4.5X
RAB 39.88 311 eP 26 24.00 -0.7
DRV 40.81 204 eP 26 34.50 2.8X
ASPA 42.32 271 iPc 26 43.40 -1.4
0.7s 114.90nm 5.7mb
Z 18s 18.40um 6.0Msz
iS 33 01.70
iScS 36 34.10
WB2 43.59 276 iPc 26 54.00 -1.1
0.5s 135.00nm 6.0mb
iS 33 19.30
WRA 43.60 276 P 26 54.20 -1.0
0.7s 62.00nm 5.5mb
MNDI 44.23 300 eP 27 02.00 1.4
SBA 44.68 184 iPd 27 12.90 9.7X
WARB 47.36 264 iPd 27 23.00 -2.1
KNA 50.28 277 eP 27 47.00 -0.7
CSY 51.88 209 eP 27 59.20 0.0
0.6s 53.20nm 5.7mb
MRWA 54.93 256 eP 28 21.00 -1.3
SPA 56.46 180 iPc 28 35.50 2.4X
1.0s 134.00nm 5.9mb
Z 19s 6.08um 5.7Msz
e 47 04.00
PCI 65.87 286 ePd 29 38.50 1.5
0.9s 4.50nm 4.6mb
e 31 41.50
CGP 67.97 297 eP 29 48.50 -1.9
MAW 68.96 201 iPd 29 56.20 0.5
1.0s 36.00nm 5.4mb
Z 16s 10.00um 6.1MszX
SNA 76.24 179 e(P) 30 39.60 1.1X
1.1s 124.05nm 5.8mb
MAT 80.56 326 eP 30 59.00 -3.7X
1.0s 11.00nm 4.8mb
Z 20s 1.42um 5.3Msz
eS 41 09.00
KUR 84.18 337 iPd 31 20.40 -0.7
0.8s 50.00nm 5.7mb
Z 16s 3.40um 5.8MszX
N 16s 2.20um
E 16s 1.70um
eS 41 48.00
PEL 85.27 127 eP 31 24.50 -2.6X
GZH 85.72 301 Pc 31 29.00 -0.3
SSE 85.75 312 Pc 31 27.00 -2.3
Z 17s 1.80um 5.5MszX
N 16s 0.50um
eSKS 41 39.00
S 41 54.00
YSS 87.49 335 ePc+ 31 37.00 -0.3
0.9s 30.00nm 5.6mb
Z 19s 2.50um 5.6Msz
N 19s 1.80um
E 19s 0.90um
e 31 42.00
eS 42 04.00
NJ2 87.86 311 eP 31 39.00 -0.5
E 12s 0.54um
S 42 13.00
CRZF 88.05 212 eP 31 56.00 15.6X
ePP 35 11.00
eS 42 38.00

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                eSP    43 56.00
                eSS    48 21.00
                eSSS   53 09.00
PET    88.57 347 eP    31 40.00  -2.4
   Z  20s    2.20um          5.6Msz
   N  20s    1.60um
   E  20s    2.30um
                eS     42 12.00
DL2    90.90 318 Pc    31 53.00  -0.6
   Z  18s    0.61um          5.1Msz
                eSKS   42 21.00
MDJ    90.95 326 Pc    31 52.30  -1.4
   1.0s    18.00nm           5.4mb
   Z  21s    2.50um          5.6Msz
TIA    91.70 313 eP    31 57.60   0.2
   Z  22s    1.15um          5.3Msz
SNY    91.89 321 Pc    31 56.00  -2.1
   Z  25s    1.26um          5.3MszX
CN2    92.35 323 eP    31 58.50  -1.7
   1.2s    33.00nm           5.6mb
   Z  20s    1.57um          5.5Msz
   N  19s    0.95um
   E  19s    1.15um
                eSKS   42 28.00
                eS     42 50.00
ARE    94.77 113 eP    32 17.00   4.6X
BJI    94.78 316 eP    32 08.00  -3.4X
   Z  26s    1.66um          5.4MszX
   N  18s    0.82um
                ePP    36 00.00
                eSKS   42 44.00
TIY    95.54 312 eP    32 19.00   3.9X
   Z  21s    1.53um          5.4Msz
   N  18s    0.95um
                PP     36 12.00
CNCB   97.22 116 P     32 30.00   6.1X
                i      36 24.00
LPB    97.31 115 P     32 34.00   9.9X
                e      36 23.00
ZOBO   97.43 115 P     32 24.50  -0.5
                e      36 22.00
PNT    97.98  35 eP    32 35.00   9.2X
LZH   100.11 307 ePdiff32 36.00  -0.1X
   Z  20s    1.19um          5.4Msz
   N  17s    1.02um
YKA   108.74  26 ePKP  37 21.50   2.8X
   0.6s     1.00nm
GUN   108.96 291 PKP   37 00.00 -20.7X
WMO   114.67 307 ePKP  37 32.50   1.7
   Z  14s    0.52um          5.3MszX
                sS     44 26.00
MBC   115.80  13 ePKP  37 30.50  -1.3
   1.0s     7.00nm
BUL   120.37 210 ePKP  37 42.40   0.1
PRZ   120.51 303 iPKP  37 41.50  -0.5
   1.0s    40.00nm
KSH   121.23 299 ePKP  37 44.00   0.6
   Z  20s    1.87um          5.7Msz
   N  18s    1.80um
                eSKS   44 46.00
NRI   122.17 335 ePKP  37 42.00  -2.1
   1.0s    23.00nm
                i      37 50.00
KRI   122.87 213 iPKPc 37 48.50   1.4
                i      37 55.00
FRU   123.27 302 ePKP  37 35.00 -12.1X
                e      37 47.00
QUE   124.90 286 iPKPd 37 51.80   1.0
   1.0s    37.50nm
GAR   125.25 297 ePKP  37 50.00  -1.2
MAIO  132.76 290 ePKP  38 06.00   0.4
                e      39 31.00
SVE   133.96 319 iPKPd 38 06.70  -0.3
   2.0s    60.00nm
   Z  20s    1.20um          5.6Msz
   N  20s    0.40um
   E  20s    1.00um
                ePS    51 00.00
                e      52 32.00
ARU   135.11 318 ePKP  38 08.00  -1.2
                e      38 19.00
                e      52 49.00
KAT   135.90 294 ePKP  38 12.00   0.7
KEV   141.17 346 ePKP  38 21.00   1.0
MAK   142.94 298 ePKP  38 20.00  -3.9X
GRS   143.56 292 ePKP  38 21.00  -4.4X
   1.5s    60.00nm
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GRO   144.22 299 iPKPc 38 22.00  -4.1X
MTA   144.86 296 iPKPc+38 23.80  -3.4X
ERE   145.02 293 iPKP+ 38 23.00  -4.7X
                i      41 52.00
AKU   145.97  14 ePKP  38 28.80   0.4
   1.1s    75.95nm
                i      38 32.50
PYA   146.10 300 iPKP+ 38 28.00  -1.3
   1.3s   150.00nm
PYA   146.10 300 iPKP  38 35.00   5.7X
KIV   146.38 300 ePKP  38 29.00  -0.9
BCAO  146.66 213 iPKPd 38 32.20   1.1X
   0.9s    18.00nm
                i      42 14.00
OBN   147.39 322 ePKP  38 30.00  -1.0
   1.1s   100.00nm
   Z  20s    1.20um          5.7Msz
   N  20s    1.20um
KAF   147.39 338 iPKP  38 30.60  -0.2
   0.5s    19.50nm
PUL   147.65 333 ePKP  38 33.50   2.3
NUR   149.13 337 iPKP  38 35.60   2.0
   0.7s    65.80nm
AKUR  150.70 259 ePKP  38 38.60   1.6
DSI   151.16 275 ePKP  38 37.80   0.2
HRI   151.22 279 ePKP  38 38.40   0.7
BHL   151.40 280 PKP   38 40.00   2.0
SAGI  151.42 272 ePKP  38 38.40   0.4
KVT   151.45 295 iPKP  38 44.00   6.2X
ZNT   151.60 276 ePKP  38 39.00   0.8
UPP   151.68 342 iPKP  38 42.40   5.0X
   1.0s   100.00nm
NB2   151.89 350 PKP   38 42.40   4.6X
   0.8s    26.50nm
LIC   152.05 167 PKP   38 40.12   0.8
KIC   152.24 167 PKP   38 40.38   0.7
HFS   152.32 346 ePKP  38 42.60   4.3X
   0.8s    29.50nm
   Z  19s    1.19um          5.7Msz
                LR     34 24.00
TIC   152.46 167 PKP   38 40.56   0.6
MNK   152.51 325 ePKP  38 44.00   5.2X
KAS   153.14 296 ePKP  38 48.50   8.3X
CSS   153.45 282 ePKP  38 48.00   7.2X
BBTK  154.03 293 ePKP  38 42.00   0.4
                e      40 16.00
PPCY  154.24 281 ePKP  38 49.80   8.0X
KDS   155.68 147 iPKP  38 56.50  12.2X
VRI   157.01 309 ePKPc 39 00.00  14.8X
UZH   158.29 320 iPKP  38 58.50  11.9X
                e      39 14.60
OJC   158.55 326 ePKP  38 55.00   8.2X
                e      39 04.40
KSP   159.61 332 ePKP  38 54.00   6.0X
                e      39 06.30
                i      39 25.80
CLL   160.41 337 ePKP  38 48.00  -0.8
BRG   160.46 335 ePKP  38 48.00  -0.9
PRU   160.97 333 ePKP  38 48.00  -1.4
   Z  21s    1.40um
   N  20s    0.90um
   E  18s    0.50um
                e      38 55.50
                e      39 20.10
ZST   161.23 325 ePKP  38 50.80   1.1
WTS   161.28 349 ePKP  38 52.00   2.4X
DBN   161.40 352 ePKP  38 44.00  -5.7X
   Z  20s    1.00um
                ePKPab39 32.00
                ePP    43 14.00
                eSS    03 30.00
VAY   161.41 300 ePKP  38 48.00  -2.1
MOX   161.42 339 ePKP  38 50.00   0.1
   Z  18s    1.40um
   N  19s    0.70um
   E  18s    0.40um
VKA   161.55 326 e(PKP)38 48.00  -2.0
   4.5s   336.00nm
SKO   162.00 303 ePKP  38 44.00  -6.7X
                i      38 50.00
                i      39 16.00
                i      43 21.00
                i      48 05.50
                i      50 50.00
                i      52 48.00
                i      56 58.00
                i      58 29.00
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KHC   162.04 333 ePKP  38 54.50   3.9X
   Z  18s    2.30um          5.8Msz
   N  18s    1.80um
   E  18s    0.50um
                e      39 09.30
                e      43 29.20
BNS   162.21 347 iPKP+ 38 51.40   0.8
   Z  18s    2.60um          6.5Msz
GEC2  162.22 332 PKP   38 53.10   2.3X
   0.9s     1.03nm
ENN   162.61 350 ePKP  38 58.00   7.0X
   1.0s     9.00nm
                iPKPab39 38.80
OHR   162.75 301 ePKP  38 31.20 -20.3X
SNF   163.06 353 PKP   38 55.90   4.5X
PTJ   163.37 321 ePKP  38 56.40   4.3X
WLF   163.64 348 PKP   38 56.00   4.0X
                e      39 44.00
KBA   163.76 329 e(PKP)38 53.00   0.4
                e      39 47.00
LJU   163.99 324 ePKP  38 54.50   1.9
VBY   164.00 322 e(PKP)39 03.00  10.4X
TRI   164.60 325 ePKP  38 52.00  -1.1
                e      39 16.00
                e      43 32.00
                e      50 56.00
                e      54 48.00
FLN   164.92   4 ePKP  38 54.50   1.2X
   1.2s    18.45nm
   Z  19s    1.08um
LDF   165.11   3 ePKP  38 54.60   1.1
   1.0s     7.60nm
GRR   165.27   5 ePKP  38 53.90   0.3
   1.1s     5.35nm
SSF   166.55 353 ePKP  38 56.10   1.4
   1.0s     5.40nm
LBF   166.58 352 ePKP  38 56.10   1.3X
   1.1s     6.10nm
MFF   167.09   4 ePKP  38 55.60   0.5
   1.2s    13.40nm
FIR   167.24 325 ePKP  38 55.00  -0.3
CAF   168.79 357 ePKP  39 00.00   3.7X
ERUA  169.16  35 ePKP  39 01.10   4.5X
EPF   170.68   4 ePKP  38 59.70   2.2X
GUD   171.90  30 ePKP  39 01.50   3.3X
TIO   172.37 109 ePKP  39 11.00  12.3X
TOL   172.58  33 ePKP  38 59.50   1.2
                ePKKP  40 39.00
                ePP    44 26.00
AVE   172.84  91 ePKP  39 10.00  11.4X
EBR   172.89   4 (PKP) 39 00.00   1.7
EJIF  173.94  61 ePKP  39 01.80   2.9X
EBAN  174.03  41 ePKP  39 01.00   2.1X
EVIA  174.28  30 ePKP  39 00.50   1.4
NKM   174.33  70 ePKP  38 58.00  -1.1
                i      39 06.00
                i      48 04.00
MAL   174.56  55 iPKPc 39 03.00   3.9X
                i      39 44.30
IFR   174.77  90 iPKP  39 02.00   2.5X
                i      39 05.00
      S.D. = 1.2  on  97 of 179 obs.
-------------------------------------------
  JUN 26, 1992 03h 38m 00.36± 1.33s
  32.576 S ± 8.3km    70.830 W ±10.0km
  DEPTH =  82.1 ± 22.6 km
 CHILE-ARGENTINA BORDER REGION    (127)
     MD 4.0 (SAN).

PEL     0.58 168 iPd   38 15.00  -0.3
                iS     38 26.30
IHA     0.82 236 eP    38 18.00   0.4
                eS     38 30.50
FCH     0.88 149 iPd   38 18.90   0.2
                iS     38 32.90
SAN     0.89 171 iPd   38 18.40  -0.1
                iS     38 32.60
PCH     1.08 166 iPc   38 20.70  -0.1
                iS     38 37.00
TACH    1.08 185 iPd   38 20.60  -0.2
                iS     38 36.20
CHCH    1.36 174 iPd   38 24.30  -0.1
                iS     38 42.70
LNV     1.46 199 iPd   38 25.20  -0.4
                iS     38 45.20
CACH    1.55 173 ePc   38 27.50   0.6
                (S)    38 49.20
```

26d 03h

RTCB 2 04 58 iPc 38 33.60 0.1
(S) 38 59.20
RTCV 2.07 70 ePc 38 34.70 0.8
RTLL 2 36 59 ePc 38 37.30 -0.5
S 39 05.50
CFA 2.40 67 ePc 38 38.00 -0.4
S 39 07.00
S.D. = 0.5 on 13 of 13 obs.

• JUN 26, 1992 03h 56m 21.48± 3.25s
43.058 N ±15.3km 127.390 W ±21.8km
DEPTH = 10.0km (geophysicist)
OFF COAST OF OREGON (30)

RNO 2.79 71 Pc 57 06.40 -0.7
DBO 3.04 87 P 57 10.58 0.0
MPOR 3.13 61 P 57 11.03 -0.9
HSO 3.17 80 Pc 57 12.13 -0.4
TKO 3.65 49 P 57 18.52 -0.8
FBO 3.71 69 P 57 20.87 0.7
HBO 3.77 76 P 57 21.62 0.5
KMOR 3.80 46 P 57 20.56 -0.9
SSOR 3.99 62 P 57 24.50 0.4
S 58 06.96
NLO 4.14 42 P 57 26.03 -0.1
GT2 4.24 59 P 57 28.03 0.4
TCO 4.34 74 P 57 29.30 0.2
BPO 4.42 67 P 57 30.50 0.2
BMW 4.52 40 P 57 30.79 -0.8
RVW 4.53 45 P 57 31.67 0.0
VLMM 4.57 55 P 57 32.62 0.3
NCOR 4.60 80 P 57 33.28 0.4
TDH 4.60 59 Pc 57 33.14 0.3
LVP 4.66 48 P 57 33.72 0.1
MTMW 4.74 50 P 57 34.72 -0.1
S 58 25.71
VLL 4.75 58 P 57 35.49 0.5
FL2 4.77 47 P 57 35.41 0.1
S 58 26.16
VFP 4.82 60 P 57 35.84 -0.2
SHW 4.83 48 P 57 36.35 0.2
CZM 4.85 44 P 57 36.68 0.5
ERK 4.85 46 P 57 36.17 -0.1
HSR 4.85 48 P 57 36.77 0.4
STD 4.87 47 P 57 36.78 0.2
CDFW 4.89 49 P 57 36.79 0.0
SOSW 4.91 48 P 57 37.45 0.2
TDL 4.94 46 P 57 37.68 0.0
CROR 5.00 65 P 57 37.72 -0.7
KOSW 5.03 46 P 57 38.90 0.1
GULW 5.04 53 P 57 39.42 0.4
VIPM 5.11 71 P 57 39.68 -0.4
LMW 5.11 43 P 57 40.01 0.0
ASR 5.17 51 P 57 40.81 0.0
VTHM 5.35 64 P 57 42.89 -0.5
GLK 5.40 48 P 57 44.29 0.1
LON 5.42 45 P 57 44.47 0.2
OSD 5.42 27 P 57 44.54 0.0
REMR 5.45 44 P 57 45.02 0.2
RVC 5.46 43 P 57 45.25 0.3
HDW 5.51 32 P 57 45.43 -0.2
GL2 5.52 56 P 57 45.57 -0.2
WPW 5.52 47 P 57 45.71 -0.1
S 58 44.83
FMW 5.61 44 Pc 57 47.14 0.0
GSM 5.73 42 P 57 48.75 0.0
JBO 5.93 64 P 57 50.95 -0.6
NAC 5.94 49 P 57 52.08 0.5
HTW 6.18 38 Pd 57 54.56 -0.4
EBG 6.18 49 P 57 55.13 0.1
JCW 6.40 35 P 57 58.26 0.1
MCW 6.46 28 P 57 59.02 0.1
CMW 6.51 33 P 58 00.05 0.3
RPW 6.78 35 P 58 03.18 -0.3
EPH 6.98 49 P 58 06.35 0.1
S.D. = 0.4 on 57 of 57 obs.

JUN 26, 1992 04h 07m 22.82± 1.04s
38.595 S ± 7.1km 175.662 E ± 5.5km
DEPTH = 204.8 ± 11.0 km
NORTH ISLAND, NEW ZEALAND (159)

MOZ 0.68 277 P 07 51.20 -0.3
eS 08 09.40
WHH 0.71 114 Pd 07 50.60 -1.2
S 08 03.90
PAHZ 1.12 104 P 07 54.00 -0.2
URZ 1.19 74 Pd 07 53.70 -0.9
eS 08 12.60
WAHZ 1.23 154 Pc 07 55.10 0.1
BSZ 1.33 205 P 07 56.10 0.3
NRZ 1.54 241 P 07 58.50 0.9
MAHZ 1.83 110 eP 08 01.00 0.7
NOZ 1.86 91 P 08 01.20 0.6
MNG 2.03 184 Pc 08 02.40 0.1
eS 08 27.70
PGZ 2.08 167 P 08 03.00 0.3
PUZ 2.11 76 P 08 03.00 -0.1
HBZ 2.31 65 P 08 05.80 0.6
KIW 2.34 194 P 08 05.60 0.0
CAW 2.55 190 P 08 08.00 0.0
MTW 2.56 183 P 08 07.90 -0.2
DIW 2.58 211 P 08 08.40 0.1
AMW 2.71 178 P 08 09.80 0.1
MRW 2.73 195 P 08 10.00 0.0
eS 08 42.90
BLW 2.77 183 P 08 10.30 -0.2
WEL 2.77 194 eP 08 10.60 0.2
TCW 2.82 202 P 08 11.10 0.1
MOW 2.84 186 P 08 11.10 -0.2
ORZ 3.29 226 P 08 16.50 0.0
THZ 3.80 213 eP 08 23.40 0.5
eS 09 08.00
KHZ 4.15 202 P 08 27.40 0.3
DSZ 4.32 222 P 08 29.10 -0.2
LTZ 4.91 211 eP 08 36.60 -0.3
eS 09 29.50
MQZ 5.59 203 P 08 44.30 -1.1
eS 09 44.30
S.D. = 0.5 on 29 of 29 obs.

& JUN 26, 1992 04h 08m 10.43s
60.367 N 147.799 W
DEPTH = 9.5km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

HIN 0.65 87 iP 08 22.70 -0.7
eS 08 33.37
PTE 0.78 310 iP 08 24.63 -1.1
S 08 35.02
SEW 0.86 253 eP 08 25.91 -1.2
eS 08 38.17
CVA 1.03 79 eP 08 28.37 -1.6
VLZ 1.05 43 eP 08 28.76 -1.5
S 08 43.30
KNK 1.10 343 eP 08 29.72 -1.4
eS 08 44.35
MID 1.20 141 eP 08 32.07 -0.7
SLKM 1.21 278 eP 08 31.55 -1.5
eS 08 47.90
PMS 1.23 316 iP 08 32.15 -1.3
eS 08 48.09
KLU 1.46 38 eP 08 35.33 -1.6
eS 08 54.86
SML 1.47 350 eP 08 35.95 -1.1
SCM 1.49 9 eP 08 36.51 -0.9
S 08 56.84
GHO 1.51 339 eP 08 36.03 -1.7
PWA 1.64 323 eP 08 38.00 -1.4
KAIM 1.75 103 eP 08 38.51 -2.5
NNL 1.78 261 eP 08 40.44 -1.0
SUA 1.81 309 iP 08 40.25 -1.8
TOA 1.91 24 eP 08 43.07 -0.4
TZL 2.04 33 eP 08 43.85 -1.4
GLB 2.23 59 iP 08 46.29 -1.8
SPU 2.24 293 eP 08 46.21 -2.0
CGLM 2.27 296 eP 08 46.46 -2.2
BKG 2.30 290 eP 08 47.35 -1.8
CKN 2.31 294 eP 08 47.32 -2.0
CUT 2.37 331 eP 08 48.47 -1.5
NCG 2.37 298 eP 08 47.79 -2.4
CKL 2.38 292 eP 08 47.74 -2.5
S 09 16.67
BGL 2.42 294 eP 08 48.63 -2.2
SDG 2.42 26 eP 08 49.26 -1.5
SKT 2.43 313 eP 08 48.29 -2.5
REF 2.43 275 eP 08 48.78 -2.3
RSO 2.46 274 eP 08 48.88 -2.6
RS1 2.46 274 eP 08 49.38 -2.1
RS2 2.46 274 eP 08 48.94 -2.6
RED 2.47 273 eP 08 49.31 -2.2
INE 2.65 266 eP 08 51.21 -2.9
HUR 2.76 342 eP 08 53.82 -1.8
PAX 2.84 22 eP 08 55.15 -1.6
AUI 3.02 252 eP 08 56.90 -2.3
RND 3.09 351 eP 08 59.76 -0.5
TRF 3.31 340 eP 09 01.69 -1.9
41 obs. associated

? JUN 26, 1992 04h 39m 25.90± 2.90s
5.949 N ±34.3km 82.972 W ±43.9km
DEPTH = 33.0km (normal)
4.1mb (2 obs.)
SOUTH OF PANAMA (83)

OCR 3.67 341 eP 40 21.18 -0.5
BUS 3.67 348 ePc 40 21.52 -0.6
LCR2 3.90 345 ePc 40 24.97 -0.3
ICR 4.09 348 ePd 40 28.98 0.8
SJS 4.11 345 ePc 40 28.48 0.4
VCR 4.20 351 ePc 40 40.82 11.5X
JCR 4.42 331 ePd 40 32.67 0.2
YKA 61.03 344 eP 49 44.90 6.5X
0.9s 1.50nm 4.1mb
NB2 86.87 29 P 52 08.40 0.0
0.8s 1.10nm 4.1mb
WRA 141.18 245 PKP 59 00.90 5.1X
0.7s 0.50nm
S.D. = 0.6 on 7 of 10 obs.

JUN 26, 1992 05h 15m 12.03± 0.65s
5.613 S ±11.7km 102.581 E ±13.1km
DEPTH = 45.9km (2 depth phases)
4.9mb (15 obs.)
SOUTHERN SUMATERA, INDONESIA (274)

PCI 17.85 75 ePd 19 20.50 1.8
1.0s 4.50nm 3.6mb X
e 21 33.00
CHG 24.54 352 ePc 20 28.60 -0.2
0.8s 18.66nm 4.7mb
KMI 30.55 0 eP 21 23.00 -0.8
1.5s 50.00nm 5.0mb
WB2 34.01 118 iPc 21 53.10 -0.8
0.7s 20.60nm 5.2mb
ASPA 35.08 124 iPc 22 02.90 -0.2
1.2s 20.50nm 4.9mb
CD2 36.33 2 eP 22 09.50 -4.0X
LSA 36.79 343 P 22 18.50 0.6
PKI 36.93 334 P 22 19.00 0.1
0.6s 11.00nm 4.9mb
GUN 37.02 335 P 22 20.20 0.4
DMN 37.09 334 P 22 20.80 0.6
0.8s 25.00nm 5.2mb
KKN 37.17 334 P 22 20.60 -0.3
GKN 37.64 334 P 22 25.20 0.5
QIS 38.87 116 iPc 22 34.10 -0.9
0.9s 15.00nm 4.8mb
XAN 39.89 8 P 22 41.40 -1.9
0.7s 13.00nm 4.9mb
LZH 41.50 2 eP 22 58.50 2.0
2.0s 35.00nm 4.7mb
NDI 41.94 326 eP 23 00.00 -0.1
TIY 44.07 11 eP 23 16.10 -1.3
PMG 44.33 98 eP 23 18.00 -1.8
CTA 44.78 113 iPd 23 23.80 0.4
0.9s 56.30nm 5.4mb
STK 44.85 131 iPc 23 24.30 0.6
0.6s 10.30nm 4.8mb
i 23 36.90 46km
GTA 44.87 357 P 23 24.00 0.1
1.0s 14.00nm 4.7mb
pP 23 36.50 46km
HHC 46.96 9 eP 23 40.60 0.2
1.2s 15.00nm 4.8mb
WMO 51.01 346 P 24 11.80 0.2
0.7s 63.00nm 5.7mb
Z 16s 0.57um 4.7MszX
pP 24 18.00 21kmX
sP 24 24.00
ARMA 52.23 124 eP 24 23.00 1.9
CN2 53.35 21 eP 24 26.00 -2.9X
1.0s 9.80nm 4.8mb
epP 24 35.00 30kmX
OBN 81.18 328 eP 27 38.00 13.9X
1.0s 17.00nm
Z 16s 1.10um 5.3MszX
N 16s 0.50um
E 16s 0.70um
SIO 145.34 28 ePKP 34 46.30 -0.7

TUL 145.44 27 iPKPd 34 46.60 -0.5
0.6s 11.60nm
VVO 145.94 27 ePKP 34 48.40 0.4
S.D. = 1.0 on 26 of 29 obs.

JUN 26, 1992 05h 31m 22.26± 0.88s
28.057 N ± 8.8km 128.061 E ±10.4km
DEPTH = 33.0km (normal)
4.4mb (11 obs.)
RYUKYU ISLANDS (238)

SSE 6.71 298 P 33 02.00 1.0
Z 20s 2.80um
N 11s 2.80um
E 10s 3.50um
NJ2 8.91 299 eP 33 33.00 1.3
E 11s 2.93um
QZH 9.03 252 eP 33 35.60 2.3
N 13s 3.78um
S 35 22.00
WHN 12.22 285 eP 34 16.00 -0.9
Z 14s 2.94um
N 13s 6.85um
E 14s 2.45um
TIA 12.32 314 eP 34 18.40 0.2
Z 14s 3.62um
N 13s 2.34um
E 13s 2.42um
SNY 14.22 346 Pd 34 43.30 0.1
Z 14s 2.71um
N 10s 1.78um
E 10s 2.48um
sP 35 00.00
BJI 15.47 324 eP 35 03.00 3.5X
1.2s 82.00nm 4.8mb
Z 14s 2.10um 4.0MszX
N 13s 1.06um
CN2 15.85 353 eP 35 05.60 1.1
1.2s 19.00nm 4.1mb
Z 16s 2.99um 4.2Msz
N 13s 1.13um
E 13s 0.43um
esP 35 17.00
TIY 16.26 310 eP 35 10.00 0.2
Z 17s 2.04um
N 14s 3.50um
PP 35 23.50
S 38 12.50
MDJ 16.57 4 eP 35 15.10 1.5
1.5s 23.00nm 4.1mb
Z 16s 1.53um 4.0Msz
N 12s 0.88um
E 12s 1.47um
pP 35 20.00
XAN 17.44 295 eP 35 23.00 -1.7
N 10s 3.70um
E 12s 1.55um
HHC 18.61 318 P 35 39.20 0.1
1.2s 17.00nm 4.1mb
Z 14s 3.78um 4.2MszX
N 14s 1.41um
E 13s 2.33um
PP 35 58.00
GYA 19.09 270 P 35 46.40 1.4
Z 14s 1.88um
N 11s 3.40um
E 11s 1.59um
BTO 19.41 315 P 35 47.20 -1.4
N 11s 1.67um
E 11s 1.26um
CD2 21.34 284 P 36 08.00 -0.7
Z 16s 2.95um 4.8MszX
N 13s 7.76um
LZH 21.99 297 Pd 36 20.00 4.6X
2.0s 74.00nm 4.8mb
Z 16s 1.80um 4.6MszX
N 12s 2.63um
pP 36 25.00 18kmX
sP 36 29.00
eS 40 17.00
sS 40 26.00
eSS 40 55.00
KMI 22.82 268 eP 36 25.00 1.3
1.2s 40.00nm 4.8mb
Z 14s 1.40um 4.6MszX
sP 36 35.50
GTA 25.97 303 eP 36 52.00 -1.7
1.0s 14.00nm 4.5mb
Z 16s 2.57um 4.9MszX
N 11s 1.00um
pP 37 00.00 28kmX
WMQ 35.88 307 P 38 19.50 -1.7
1.7s 11.00nm 4.5mb
Z 14s 1.25um 4.8MszX
GUN 37.11 280 P 38 33.40 1.4
PKI 37.59 280 P 38 34.00 -2.0
KKN 37.66 280 P 38 36.20 -0.2
DMN 37.84 280 P 38 36.60 -1.5
GKN 38.18 280 P 38 44.60 3.9X
WRA 48.10 172 P 39 59.50 -1.4
0.6s 1.40nm 4.2mb
WB2 48.10 172 eP 40 02.30 1.4
0.8s 3.70nm 4.5mb
YKA 76.94 25 eP 43 12.80 0.1
1.1s 1.50nm 3.9mb
S.D. = 1.4 on 24 of 27 obs.

• JUN 26, 1992 05h 53m 31.42± 0.76s
47.271 N ±10.3km 11.275 E ± 5.3km
DEPTH = 5.0km (geophysicist)
AUSTRIA (546)
ML 2.1 (VIE).

SQTA 0.07 222 iPgc 53 33.20 0.0
i(Sg) 53 34.30
MOTA 0.14 302 iPgd 53 34.40 0.0
i(Sg) 53 36.70
WATA 0.21 72 iPgd 53 35.80 -0.1
i(Sg) 53 40.20
WTTA 0.25 91 iPgc 53 36.50 0.0
i(Sg) 53 40.70
KBA 1.42 97 iPnc 53 58.20 0.0
iPg 54 01.20
iSg 54 23.30
S.D. = 0.1 on 5 of 5 obs.

JUN 26, 1992 06h 00m 05.35± 0.59s
38.379 N ± 5.7km 21.679 E ± 4.9km
DEPTH = 10.0km (geophysicist)
3.7mb (3 obs.)
GREECE (364)
ML 3.6 (TTG), 3.5 (ATH).

VLS 0.88 257 iPgc 00 20.80 -1.5
eSg 00 36.00
ATH 1.66 104 ePg 00 35.80 1.3
eSb 00 53.50
KZN 1.93 2 ePn 00 39.50 1.0
VLI 1.94 149 ePb 00 38.40 -0.2
LSK 1.96 335 ePn 00 40.90 1.9
KEK 1.98 313 ePb 00 40.80 1.6
SRN 1.99 319 iPn 00 41.10 1.8
TPE 2.31 326 ePn 00 46.00 2.0
VLO 2.69 322 iPn 00 50.50 1.2
OHR 2.81 346 iPn 00 53.10 1.9
1.0s 241.00nm
iSn 01 29.70
Lg 01 46.90
VAY 3.02 13 iPn 00 55.40 1.4
TIR 3.28 335 ePn 01 01.00 3.3X
iSn 01 47.00
LCI 3.49 305 P 01 01.00 0.3
MMB 3.57 25 iPc 01 00.00 -1.9
LACI 3.59 336 ePn 01 03.00 0.9
SKO 3.59 357 iPn 01 03.00 0.8
i 01 08.60
i 01 48.90
PRK 3.69 75 ePn 01 00.80 -2.8X
KKS 3.82 346 ePn 00 09.00 -56.4X
SDA 4.00 336 ePn 00 13.00 -54.9X
ULC 4.03 333 iPnd 01 07.08 -1.4
iSn 01 48.64
ROI 4.16 288 P 01 11.50 1.2
BRT 4.26 307 P 01 12.80 1.0
KDZ 4.35 40 eP 01 09.00 -4.0X
TDS 4.35 289 P 01 14.10 1.1
VTS 4.37 15 eP 01 12.00 -1.4
ACI 4.38 284 P 01 13.70 0.2
ORI 4.40 294 P 01 15.00 1.3
PVY 4.41 343 iPnc 01 14.94 1.0
iSn 02 01.08
CZI 4.41 283 P 01 14.30 0.4
CSI 4.42 290 P 01 14.40 0.4
NPS 4.43 133 ePn 01 14.00 -0.1
SOI 4.44 268 P 01 14.00 -0.2
TTG 4.45 336 iPnd 01 13.70 -0.6
iSn 01 59.24
BDV 4.47 332 iPnd 01 12.73 -1.9
iSn 01 57.90
PGB 4.58 24 eP 01 16.00 -0.2
IVA 4.69 344 iPnc 01 18.68 0.8
iSn 02 07.98
HCY 4.73 330 iPnd 01 16.14 -2.3
iSn 02 03.65
NKY 4.88 336 iPnd 01 19.88 -0.7
iSn 02 09.44
MGR 5.07 292 P 01 23.50 0.3
eSn 02 26.80
BRY 5.11 333 iPnc 01 21.79 -2.0
iSn 02 13.83
PLE 5.24 341 iPnd 01 25.34 -0.3
iSn 02 19.68
SGO 5.39 296 P 01 27.50 -0.2
HVAR 6.22 322 i(Pn) 01 36.90 -2.5
DUI 6.44 303 P 01 42.40 -0.2
SDI 6.89 301 P 01 48.00 -0.9
AZI 7.27 302 P 01 54.00 -0.1
MLR 7.78 23 eP 01 56.00 -5.5X
ASS 8.30 307 P 02 08.00 -0.6
ARV 8.36 310 P 02 07.50 -1.9
CRE 9.03 309 P 02 18.00 -0.8
HFS 22.36 349 eP 05 01.30 -3.4X
0.4s 1.30nm 3.7mb
NB2 23.61 347 P 05 14.00 -3.0X
0.5s 0.50nm 3.3mb
EKA 23.80 324 P 05 17.00 -1.8
0.8s 3.30nm 4.0mb
S.D. = 1.3 on 45 of 53 obs.

% JUN 26, 1992 07h 00m 09.14± 0.75s
43.541 N ±10.3km 12.311 E ± 7.8km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

CRE 0.28 289 P 00 15.00 0.0
eSg 00 21.00
ARV 0.46 95 P 00 18.50 0.0
SFI 0.51 319 P 00 19.50 0.1
eSg 00 27.00
ASS 0.54 151 P 00 20.00 0.0
eSg 00 28.50
PGD 0.54 308 P 00 20.00 -0.2
eSg 00 27.50
S.D. = 0.1 on 5 of 5 obs.

• JUN 26, 1992 07h 19m 51.08± 2.76s
34.102 S ±14.4km 179.093 W ±20.6km
DEPTH = 69.8 ± 20.1 km
4.7mb (4 obs.)
SOUTH OF KERMADEC ISLANDS (179)

HBZ 4.08 210 eP 20 53.20 0.8
PUZ 4.51 208 eP 20 57.40 -1.0
KUZ 4.99 237 eP 21 12.60 7.5X
NOZ 5.07 206 eP 21 06.30 0.1
URZ 5.16 215 eP 21 07.40 -0.1
eS 22 14.00
WCZ 5.69 249 eP 21 27.30 12.4X
MOZ 6.60 227 eP 21 32.30 4.7X
MNG 7.81 212 eP 21 40.60 -3.7X
eS 23 10.50
DZM 17.48 310 iPc 23 51.90 0.1
OIS 38.83 279 eP 27 11.00 -0.1
ASPA 42.13 272 iPd 27 38.50 0.3
0.9s 13.90nm 4.8mb
i 29 44.30
WB2 43.44 277 iPc 27 48.60 -0.3
0.9s 12.10nm 4.7mb
e 29 34.20
WRA 43.45 277 P 27 49.00 0.0
0.9s 8.20nm 4.5mb
SPA 56.08 180 iPd 29 25.50 0.4
0.9s 8.18nm 4.8mb
BCAO 146.24 213 ePKPd 39 18.00 -6.6X
1.0s 10.00nm
i 39 25.10
OBN 147.57 321 ePKP 39 25.00 -0.4
KAF 147.67 338 iPKP 39 24.20 -1.1
0.7s 5.30nm
NUR 149.41 337 ePKP 39 29.30 1.2
LIC 151.72 167 PKP 39 49.60 16.6X

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26d  07h

KIC      151.90 168 PKP    39 49.90   16.6X
NB2      152.23 349 PKP    39 35.80    3.4X
           0.9s      3.60nm
HFS      152.64 346 ePKP   39 37.80    4.9X
           0.9s      5.70nm
      S.D. = 0.7  on  13 of  22 obs.
------------------------------------------
     JUN  26, 1992  07h 21m 53.11± 0.31s
      6.252 N ± 5.7km    82.348 W ± 6.9km
     DEPTH =  10.0km  (geophysicist)
     5.1mb ( 28 obs.)  4.6Msz (  1 obs.)
   SOUTH OF PANAMA                   ( 83)

ACR        2.52 341 eP     22 32.64   -2.1
BUS        3.57 337 eP     22 49.07   -1.0
OCR        3.64 331 eP     22 48.64   -2.1
LCR2       3.84 335 ePc    22 52.82   -0.9
ICR        3.99 338 ePd    22 55.28   -0.7
SJS        4.03 335 eP     22 55.41   -1.0
VCR        4.05 342 ePc    23 08.44   11.9X
JCR        4.51 323 eP     22 59.94   -3.1X
PSO        7.10 135 eP     23 40.00    0.1
BOG        8.40 101 eP     24 03.00    4.8X
                    eS     25 46.00
BMG        9.25  84 iPd    24 12.00    2.4
ARE       24.99 155 eP     27 20.00    1.0
ZOBO      26.45 148 iPc    27 31.90   -1.0
           1.3s     15.77nm          4.5mb
                    S      32 20.00
                    LR     35 08.00
LPB       26.67 148 P      27 34.20   -0.5
      Z   18s       1.72um           4.6Msz
                    LR     35 20.00
CNCB      26.96 148 P      27 38.00    0.4
PRM       27.69 360 eP     27 45.30    1.9
CCH       28.42 146 (P)    27 50.00   -0.5
                    e      27 58.00
TKL       29.29 358 eP     27 58.15    0.3
OLY       30.30 345 eP     28 06.88    0.1
SIV       30.53 137 eP     28 07.00   -2.1
                    e      28 14.00
FVM       32.43 348 eP     28 25.58    0.1
CCM       32.67 347 eP     28 27.25   -0.4
           1.4s     26.99nm          5.0mb
ALQ       36.18 325 eP     28 59.57    1.5
           2.1s     58.72nm          5.1mb
GOL       39.22 331 eP     29 23.17   -0.5
           1.5s     32.81nm          4.8mb
EEO       40.34   3 eP     29 33.00    0.5
SRU       41.43 326 eP     29 42.59    0.8
MSU       41.95 324 iPc    29 47.56    1.4
EMUT      42.09 327 (P)    29 48.68    1.5
ARUT      42.23 322 eP     29 49.91    1.6
RSSD      42.24 337 eP     29 50.00    1.6
           1.8s     46.43nm          4.9mb
LMN       42.28  18 eP     29 58.00    9.6X
DAU       42.75 327 iPc    29 54.19    1.5
BW06      43.60 331 eP     30 00.00    0.5
           1.5s     20.98nm          4.7mb
TNP       44.76 320 eP     30 09.25    0.3
           2.5s     39.13nm          4.9mb
ULM       45.29 348 eP     30 12.50   -0.3
BONR      45.38 319 eP     30 15.32    1.3
HPI       46.05 329 eP     30 20.89    1.7
SES       50.11 336 ePc    30 50.10   -0.4
RMW       53.11 327 (P)    31 11.58   -1.6
FCC       53.16 352 eP     31 13.00   -0.2
PNT       53.16 330 eP     31 14.00    0.5
YKA       60.91 344 eP     32 11.80    3.6X
           1.4s      6.10nm          4.5mb
KLU       72.11 333 (P)    33 19.31   -0.3
MBC       72.84 351 eP     33 23.00   -0.5
           1.5s     32.00nm          5.2mb
IMA       76.79 337 eP     33 45.93   -0.6
           1.3s     14.90nm          4.9mb
EKA       78.74  35 P      33 57.00   -0.3
           1.4s     20.20nm          5.0mb
LPF       79.57  42 eP     34 01.70   -0.2
           2.0s     67.65nm          5.3mb
GRR       79.71  42 eP     34 02.60   -0.1
           1.8s     78.55nm          5.4mb
FLN       79.97  42 eP     34 04.20    0.1
           1.8s     69.05nm          5.3mb
MFF       80.13  44 eP     34 05.00    0.0
           1.9s     59.40nm          5.2mb
LDF       80.20  42 eP     34 05.20   -0.1
           1.8s     66.45nm          5.3mb

EPF       80.43  48 eP     34 07.10    0.4
           1.7s     35.30nm          5.1mb
LFF       80.73  46 eP     34 08.40    0.2
LPO       81.05  46 eP     34 09.80   -0.1
           1.7s     27.95nm          5.0mb
RJF       81.28  45 eP     34 11.00   -0.1
           1.8s     59.55nm          5.3mb
LSF       81.29  44 eP     34 10.90   -0.2
CAF       81.67  46 eP     34 13.00   -0.2
           1.7s     24.25nm          5.0mb
MAF       82.01  44 eP     34 14.80   -0.1
           1.8s     31.05nm          5.1mb
BGF       82.20  44 eP     34 15.70   -0.2
AVF       82.54  44 eP     34 17.00   -0.6
           1.7s     18.40nm          4.9mb
SSF       82.64  43 eP     34 17.70   -0.5
LOR       82.88  43 eP     34 18.70   -0.7
SMF       82.88  44 eP     34 18.90   -0.5
           1.6s     25.50nm          5.2mb
LBF       82.97  44 eP     34 19.00   -0.9
HAU       84.53  42 eP     34 27.60   -0.2
BSF       84.84  43 eP     34 28.90   -0.5
CDF       85.12  42 eP     34 30.40   -0.4
NB2       86.31  29 P      34 36.70    0.3
           1.2s     16.20nm          5.1mb
MOX       87.73  39 eP     34 43.90    0.5
           2.0s     30.00nm          5.2mb
                    e      34 51.00
CLL       88.51  39 eP     34 47.00   -0.1
           1.8s     26.00nm          5.2mb
                    e      34 54.00
BRG       89.16  39 eP     34 51.00    0.7
           1.8s     21.00nm          5.1mb
KHC       89.19  41 P      34 51.20    0.7
KSP       90.63  39 eP     34 57.70    0.6
ZST       91.65  41 eP     35 09.40    7.5X
                    e      54 34.60
SPA       96.21 180 iPd    35 22.20   -0.4
           1.1s     11.90nm          5.3mb
ASPA     141.10 240 ePKP   41 22.40   -4.1X
           0.8s      5.80nm
WB2      141.86 246 ePKP   41 20.60   -7.3X
           0.7s      2.50nm
WRA      141.87 246 PKP    41 21.40   -6.5X
           0.6s      0.60nm
GKN      143.70  20 PKP    41 26.40   -4.6X
KKN      144.11  19 PKP    41 28.00   -3.8X
GUN      144.19  18 PKP    41 27.80   -4.3X
DMN      144.22  19 PKP    41 28.40   -3.7X
PKI      144.35  19 PKP    41 28.60   -3.8X
KMI      148.42 351 PKPc   41 38.00   -1.0
           1.5s     80.00nm
                    pP     41 45.50
CGP      149.33 298 iPKPd  41 44.00    3.6X
HYB      149.85  38 ePKP   41 45.00    3.9X
      S.D. = 0.9  on  70 of  86 obs.
------------------------------------------
     JUN  26, 1992  07h 27m 37.07± 0.89s
     43.012 N ± 9.4km    0.323 W ± 4.7km
     DEPTH =  10.0km  (geophysicist)
   PYRENEES                          (378)
       ML 2.9 (LDG).

JAU        0.04 308 Pg     27 38.68   -0.7
                    Sg     27 39.31
OGE        0.19 325 Pg     27 41.30    0.0
                    Sg     27 44.10
ESCF       0.20 290 Pg     27 41.02   -0.4
                    Sg     27 43.88
LHE        0.24 246 Pg     27 42.30    0.0
ATE        0.29 285 Pg     27 42.97   -0.1
                    Sg     27 46.96
ISSF       0.35 273 Pg     27 44.29    0.0
                    Sg     27 49.17
MADF       0.39 290 Pg     27 45.20    0.2
                    Sg     27 51.29
EPF        0.49  88 Pg     27 47.40    0.4
                    Sg     27 54.70
ELYF       0.51 288 Pg     27 48.00    0.5
                    Sg     27 54.24
LPO        2.00  33 Pg     28 15.90    4.7X
                    Sg     28 42.00
LFF        2.07  21 Pg     28 16.30    4.0X
                    Sg     28 44.70
CAF        2.58  41 Pg     28 26.00    6.5X
                    Sg     28 58.80
RJF        2.65  29 Pg     28 27.70    7.2X

                    Sg     29 01.10
MFF        3.59   2 Pn     28 35.70    1.8
                    Sg     29 30.30
BGF        4.20  31 Pn     28 40.80   -1.8
                    Sg     29 49.10
      S.D. = 1.0  on  11 of  15 obs.
------------------------------------------
 ?   JUN  26, 1992  08h 26m 46.67± 8.93s
      8.315 N ±67.0km    83.405 W ±13.0km
     DEPTH =  10.0km  (geophysicist)
   COSTA RICA                        ( 78)

ACR        0.40  35 eP     26 54.66   -0.3
BUS        1.28 344 ePd    27 10.89    0.1
OCR        1.35 326 eP     27 10.82   -0.6
LCR2       1.54 337 ePc    27 14.38    0.0
ICR        1.71 346 eP     27 17.25    0.2
SJS        1.74 338 ePd    27 17.60    0.4
VCR        1.81 353 ePd    27 30.14   11.9X
JCR        2.28 312 ePd    27 22.24   -2.7X
      S.D. = 0.5  on   6 of   8 obs.
------------------------------------------
 *   JUN  26, 1992  08h 31m 13.79± 1.26s
     24.270 S ±13.5km    66.959 W ±16.7km
     DEPTH = 212.5 ± 36.1 km
   SALTA PROVINCE, ARGENTINA         (129)

ANT        3.21 279 iPc    32 07.00    0.0
                    iS     32 44.30
CCH        6.90   7 eP     32 54.00    0.2
CNCB       7.48 352 P      33 02.80    1.0
                    S      34 24.80
LPB        7.77 352 P      33 06.30    0.8
                    S      34 31.00
ZOBO       8.02 352 P      33 09.00    0.1
                    S      34 35.20
ARE        8.85 330 eP     33 18.00   -1.3
                    eS     34 53.00
SIV        9.92  35 P      33 31.40   -1.4
PPD       14.57  84 (P)    34 32.00    0.6
VAO       18.36  90 (P)    35 15.00   -0.2
      S.D. = 1.1  on   9 of   9 obs.
------------------------------------------
 ?   JUN  26, 1992  08h 49m 50.84± 7.50s
      8.468 N ±63.3km    83.464 W ±14.1km
     DEPTH =  10.0km  (geophysicist)
   COSTA RICA                        ( 78)

ACR        0.34  58 eP     49 57.61   -0.3
BUS        1.12 345 eP     50 11.86   -0.3
OCR        1.19 325 eP     50 12.08   -0.9
LCR2       1.37 337 eP     50 16.29    0.1
                    eS     51 01.65
ICR        1.55 346 eP     50 19.81    1.0
SJS        1.57 338 eP     50 19.39    0.4
JCR        2.13 310 eP     50 23.07   -4.0X
      S.D. = 0.8  on   6 of   7 obs.
------------------------------------------
 ?   JUN  26, 1992  08h 52m 25.57± 7.41s
      8.199 N ±51.3km    83.723 W ±32.7km
     DEPTH =  10.0km  (geophysicist)
   COSTA RICA                        ( 78)

OCR        1.31 341 eP     52 49.97    0.2
BUS        1.35 359 eP     52 50.23   -0.5
LCR2       1.56 350 eP     52 54.16    0.6
SJS        1.76 349 eP     52 56.88    0.5
ICR        1.77 357 ePd    52 56.46   -0.4
VCR        1.92   3 eP     53 09.40   10.8X
JCR        2.14 320 ePd    53 01.53   -0.4
                    eS     53 20.71
      S.D. = 0.6  on   6 of   7 obs.
------------------------------------------
 %   JUN  26, 1992  09h 17m 32.96± 0.87s
     41.071 N ± 9.5km    28.716 E ± 4.8km
     DEPTH =  10.0km  (geophysicist)
   TURKEY                            (366)

CTT        0.23 289 iPg    17 37.80   -0.1
                    eSg    17 41.80
ISK        0.26  91 iPg    17 38.40   -0.1
                    iSg    17 43.40
GBZT       0.62 117 ePg    17 46.00    0.6
                    iSg    17 55.20
YLV        0.71 135 ePn    17 46.30   -0.7
IZI        0.93 142 ePn    17 50.90    0.1
BNT        0.94 221 iPn    17 51.40    0.6
```

EDC 0.97 222 ePn 17 51.00 -0.4
S.D = 0.6 on 7 of 7 obs.

? JUN 26, 1992 09h 59m 51.36± 1.16s
6.545 N ±24.1km 82.330 W ±34.9km
DEPTH = 10.0km (geophysicist)
4.1mb (1 obs.)
SOUTH OF PANAMA (83)

ACR 2.25 338 eP 00 29.05 -0.1
BUS 3.31 335 eP 00 45.41 0.7
OCR 3.40 328 eP 00 45.25 -0.3
LCR2 3.58 333 eP 00 49.28 1.0
ICR 3.72 337 eP 00 51.52 1.0
SJS 3.78 333 ePd 00 51.91 0.8
VCR 3.78 340 eP 01 04.36 13.3X
JCR 4.29 320 eP 00 56.44 -1.8
ZOBO 26.69 148 P 05 34.50 1.1
Z 24s 0.45um 3.9MszX
LR 13 12.00
MBC 72.56 351 eP 11 19.00 -1.1
GEC2 89.08 41 PKP 12 47.00 -1.3
0.8s 0.91nm 4.1mb
WRA 142.01 246 PKP 19 17.20 -9.2X
0.5s 0.30nm
S.D. = 1.2 on 10 of 12 obs.

JUN 26, 1992 10h 08m 35.92± 0.48s
44.510 S ± 5.0km 169.614 E ± 5.3km
DEPTH = 12.4 ± 3.9 km
3.7mb (1 obs.)
SOUTH ISLAND, NEW ZEALAND (162)
ML 3.7 (WEL).

BWZ 0.19 96 Pc 08 41.30 0.9
MHZ 0.60 203 Pd 08 47.60 -0.3
MMCZ 0.60 215 Pd 08 47.70 -0.2
SBCZ 0.62 200 Pd 08 48.00 -0.2
LSCZ 0.63 196 P 08 48.20 -0.2
CMCZ 0.68 201 Pd 08 49.20 -0.1
eS 08 57.80
TLC 0.78 209 Pd 08 51.00 0.0
ODZ 0.91 126 Pd 08 53.60 0.5
eS 09 05.10
MSZ 1.22 262 eP 08 58.70 0.3
eS 09 15.10
BCZ 1.95 219 eP 09 09.20 0.1
LTZ 2.59 49 P 09 18.00 -0.3
DSZ 3.19 31 eP 09 26.60 -0.3
ORZ 4.26 31 eP 09 40.80 -1.2
eS 10 28.80
WRA 38.15 298 P 15 58.50 1.8
0.4s 0.60nm 3.7mb
S.D. = 0.8 on 14 of 14 obs.

? JUN 26, 1992 10h 09m 23.12± 3.96s
24.363 N ±19.5km 123.569 E ±31.8km
DEPTH = 10.0km (geophysicist)
SOUTHWESTERN RYUKYU ISLANDS (246)

TWC 1.59 279 ePc 09 50.60 -0.7
eS 10 09.00
TWD 1.82 262 ePc 09 54.60 -0.1
TWZ 1.95 292 ePc 09 57.20 0.6
TATO 1.99 288 iP 09 57.20 0.1
iS 10 24.00
TWQ 2.50 269 ePc 10 04.50 0.1
TWK 3.03 249 ePd 10 12.20 0.2
SSE 7.03 343 ePn 11 08.50 -0.1
E 12s 0.40um
S.D. = 0.5 on 7 of 7 obs.

& JUN 26, 1992 10h 11m 42.07s
59.870 N 151.305 W
DEPTH = 42.7km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 3.0 (AEIC).

NNL 0.17 1 iP 11 50.46 1.0
HOM 0.27 219 eP 11 50.59 0.3
XLV 0.47 207 eP 11 51.84 -0.7
eS 11 59.87
SLKM 0.84 40 eP 11 56.94 -0.7
eS 12 09.32
INE 0.90 283 iP 11 57.60 -1.1
eS 12 10.35
RED 0.92 308 iP 11 57.92 -0.9
REF 0.93 312 eP 11 57.89 -1.2
RS1 0.94 310 eP 11 58.31 -0.8
RSO 0.94 310 eP 11 58.38 -0.8
S 12 11.51
RS2 0.94 310 eP 11 58.30 -0.9
S 12 11.67
INW 0.94 283 iP 11 58.12 -1.0
SEW 0.96 75 eP 11 58.71 -0.6
AUE 1.17 245 eP 12 01.72 -0.5
AUL 1.19 247 eP 12 02.08 -0.4
AUP 1.19 246 eP 12 02.21 -0.4
S 12 19.22
AUH 1.20 246 eP 12 02.46 -0.3
AUI 1.21 244 eP 12 02.31 -0.4
eS 12 18.41
BKG 1.29 339 eP 12 03.17 -0.9
eS 12 20.97
SPU 1.37 345 iP 12 04.35 -0.7
SYI 1.38 204 eP 12 04.66 -0.6
CKL 1.43 339 eP 12 05.13 -0.8
CKN 1.43 343 eP 12 05.39 -0.5
PDB 1.46 268 eP 12 05.35 -1.0
CRP 1.46 344 iPd 12 05.42 -1.1
CPKM 1.47 342 eP 12 06.01 -0.7
CGLM 1.48 347 eP 12 06.18 -0.6
BGL 1.50 339 eP 12 06.23 -0.8
PTE 1.51 48 eP 12 06.32 -0.7
CDD 1.52 233 iP 12 06.94 -0.3
eS 12 27.00
NCG 1.60 345 eP 12 07.85 -0.5
SUA 1.62 10 eP 12 08.38 -0.4
PMS 1.63 31 eP 12 08.58 -0.2
MCNL 1.69 247 eP 12 08.82 -0.8
PWA 1.92 21 eP 12 13.57 0.7
PMR 2.03 31 eP 12 15.00 0.6
KNK 2.09 41 eP 12 14.10 -1.2
SKT 2.12 357 eP 12 15.25 -0.5
KDC 2.22 197 eP 12 14.91 -2.2
GHO 2.24 30 eP 12 17.94 0.5
VLZ 2.77 61 eP 12 22.67 -2.3
KLU 3.11 56 iP 12 27.81 -2.1
FBA 5.31 16 iPc 12 58.56 -2.3
0.3s 2.40nm 4.1mb X
42 obs. associated

JUN 26, 1992 10h 16m 40.17± 0.88s
59.712 N ± 8.1km 6.464 E ± 6.2km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
ML 2.6 (NAO). MD 2.5 (BER).

ODD1 0.22 22 iPc 16 46.65 1.7
eSg 16 50.13
KMY 0.80 232 iPc 16 56.42 0.8
eSg 17 06.71
EGD 0.84 313 eP 16 56.07 -0.3
eSg 17 07.26
BER 0.88 320 eP 16 57.06 0.0
eSg 17 08.01
ASK 1.00 321 eP 16 58.91 -0.2
eSg 17 11.32
HYA 1.47 355 eP 17 06.37 -0.2
eSg 17 25.64
SUE 1.59 329 eP 17 07.56 -0.9
eS 17 26.72
NRA0 2.73 66 Pn 17 24.97 0.1
Sg 18 03.88
HFS 3.67 80 eP 17 37.00 -1.1
0.2s 0.70nm
S.D. = 1.0 on 9 of 9 obs.

JUN 26, 1992 10h 26m 12.92± 0.59s
44.412 N ± 4.5km 6.946 E ± 4.8km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.2 (GEN).

PZZ 0.15 50 P 26 16.84 0.4
S 26 19.55
STV 0.32 122 P 26 19.51 -0.1
S 26 23.92
ENR 0.39 118 P 26 20.84 -0.1
S 26 25.92
RRL 0.52 347 P 26 23.20 -0.3
S 26 30.79
ROB 0.67 100 P 26 26.17 -0.2
S 26 35.52
RSP 0.77 17 P 26 27.92 -0.1
S 26 38.17
IMI 0.84 126 P 26 28.84 -0.4
S 26 40.12
FIN 0.93 102 P 26 30.58 -0.1
CDR 1.12 229 e(Pg) 26 34.20 0.2
e 26 49.20
PCP 1.15 83 P 26 34.79 0.3
S 26 49.80
S.D. = 0.3 on 10 of 10 obs.

? JUN 26, 1992 10h 49m 15.65± 3.30s
33.915 S ±18.9km 179.345 W ±25.1km
DEPTH = 77.0 ± 24.4 km
5.1mb (4 obs.)
SOUTH OF KERMADEC ISLANDS (179)

HBZ 4.14 207 P 50 17.60 -0.2
PUZ 4.58 204 P 50 22.40 -1.6
S 51 24.90
KUZ 4.93 234 P 50 30.00 1.3
NOZ 5.15 204 P 50 32.50 0.7
URZ 5.20 212 P 50 32.70 0.1
S 51 39.50
DZM 17.20 310 iPd 53 12.30 -0.2
CTA 33.43 285 eP 55 49.60 0.4
0.6s 30.00nm 5.3mb
ASPA 41.92 271 iPc 57 00.00 -0.3
0.6s 15.40nm 5.0mb
WB2 43.21 277 iPd 57 10.20 -0.7
0.5s 19.60nm 5.2mb
WRA 43.22 277 P 57 10.40 -0.5
0.5s 7.10nm 4.8mb
BCAO 146.28 213 ePKPd 08 48.80 0.5
0.5s 5.00nm
NB2 152.01 349 PKP 08 57.60 1.8
0.5s 0.40nm
KIC 152.13 168 PKP 09 10.00 12.7X
HFS 152.41 346 ePKP 08 54.70 -1.6
0.4s 0.70nm
S.D. = 1.1 on 13 of 14 obs.

& JUN 26, 1992 11h 00m 55.19s
61.484 N 150.727 W
DEPTH = 53.5km
SOUTHERN ALASKA (2)
<AEIC>. ML 4.2 (AEIC), 4.2
(PMR). Felt (III) at Anchorage,
Eagle River, Fort Richardson,
Palmer and Wasillo.

SUA 0.02 201 iPc 01 03.67 1.8
eS 01 11.52
PWA 0.44 67 P 01 05.90 -0.2
PMS 0.61 113 P 01 07.80 -0.3
SKT 0.63 323 iPc 01 07.48 -0.8
eS 01 17.52
CGLM 0.64 255 eP 01 08.07 -0.5
eS 01 18.17
NCG 0.69 264 iPc 01 08.68 -0.5
eS 01 19.44
SPU 0.71 245 iPd 01 08.61 -0.8
eS 01 20.20
CRP 0.72 253 iPd 01 08.26 -1.4
CKN 0.75 250 iPd 01 09.41 -0.5
CPKM 0.76 254 iPc 01 09.32 -0.9
PMR 0.77 81 iPc 01 09.00 -1.1
CKL 0.83 250 iPd 01 10.20 -0.8
BGL 0.83 255 iPd 01 10.31 -0.7
BKG 0.85 241 iPd 01 10.46 -0.8
GHO 0.91 71 iPd 01 11.28 -0.7
SLKM 1.01 166 iPc 01 12.34 -1.0
PTE 1.03 126 iPc 01 12.92 -0.7
KNK 1.09 93 iPc 01 13.86 -0.6
SML 1.19 73 iPd 01 14.79 -1.0
REF 1.39 225 iPd 01 17.71 -1.0
RDN 1.39 226 ePd 01 17.87 -0.8
RSO 1.42 225 iPd 01 18.60 -0.7
RS2 1.42 225 iPd 01 18.61 -0.7
RS1 1.43 225 iPd 01 18.65 -0.6
RED 1.46 224 iPd 01 19.02 -0.7
eS 01 38.14
NNL 1.47 191 ePd 01 20.12 0.4
SEW 1.52 155 eP 01 18.88 -1.5
HUR 1.58 18 ePd 01 20.19 -1.1
SCM 1.66 76 ePd 01 21.03 -1.4
INE 1.83 220 iPd 01 24.27 -0.6

26d 11h

eS 01 47.91
INW 1.85 221 iPd 01 24.42 -0.7
IVS 1.88 219 eP 01 25.21 -0.5
HOM 1.89 194 eP 01 25.14 -0.4
TRF 1.99 6 ePd 01 25.47 -1.6
KTH 2.08 358 ePd 01 26.92 -1.4
RND 2.12 23 ePd 01 27.27 -1.6
VLZ 2.15 98 iPc 01 26.89 -2.3
TOA 2.25 72 P 01 30.00 -0.7
KLU 2.31 88 ePc 01 29.16 -2.4
HIN 2.33 116 ePc 01 28.64 -3.2
SVW 2.39 263 eP 01 30.31 -2.4
MCK 2.40 19 eP 01 32.04 -0.8
PDB 2.41 227 ePd 01 31.48 -1.4
AUL 2.50 214 eP 01 34.00 -0.2
AUE 2.50 213 eP 01 33.41 -0.8
AUP 2.51 213 eP 01 34.03 -0.4
AUH 2.52 214 eP 01 34.19 -0.3
AUI 2.54 213 eP 01 34.11 -0.6
TZL 2.58 75 eP 01 34.09 -1.3
CVA 2.60 109 ePc 01 32.16 -3.4
SDG 2.66 65 ePd 01 35.04 -1.4
TTA 2.87 303 iPc 01 37.07 -2.5
PAX 2.88 56 eP 01 38.00 -1.7
MCNL 2.92 219 ePd 01 38.63 -1.6
CDD 2.95 211 ePd 01 39.06 -1.6
MID 3.00 132 P 01 39.50 -1.8
SYI 3.00 197 eP 01 40.29 -1.1
THY 3.02 48 eP 01 39.72 -1.9
NEA 3.19 13 eP 01 41.38 -2.7
WRH 3.23 21 eP 01 42.05 -2.6
GLB 3.32 88 eP 01 43.90 -2.0
HDA 3.40 29 eP 01 44.89 -2.1
DJE 3.45 40 eP 01 46.86 -0.8
MLY 3.56 360 ePd 01 47.47 -1.8
F8A 3.68 20 ePd 01 48.01 -2.9
DOT 3.77 52 eP 01 50.02 -2.2
GLM 3.83 22 eP 01 50.52 -2.5
KDC 3.85 194 eP 01 51.00 -2.3
S 02 46.24
TMW 4.04 59 eP 01 53.69 -2.3
BALM 4.07 93 eP 01 53.04 -3.5
CYK 4.28 106 eP 01 58.01 -1.3
WRG 4.50 105 eP 02 00.24 -2.3
YAH 4.53 100 ePc 01 59.90 -3.1
CTGM 4.57 92 eP 02 00.80 -2.8
PRP 4.67 28 eP 02 02.63 -2.4
IMA 4.79 345 eP 02 03.67 -2.9
ANM 7.34 301 eP 02 39.38 -2.8
SDN 8.01 224 eP 02 49.81 -1.6
YKA 16.86 71 eP 04 46.90 -1.7
0.6s 1.30nm 3.2mb
MBC 18.21 23 eP 05 00.50 -4.7
80 obs. associated

JUN 26, 1992 11h 14m 18.16± 0.65s
40.783 N ± 5.2km 20.477 E ± 7.1km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 3.5 (TTG).

OHR 0.41 36 iPgd 14 24.50 -2.0
iSg 14 30.20
TPE 0.60 216 ePg 14 31.00 0.7
LSK 0.64 172 ePg 14 30.50 -0.5
TIR 0.73 321 ePg 14 31.00 -1.5
iSg 14 42.00
KKS 1.29 358 ePn 14 44.00 1.9
SKO 1.39 31 ePn 14 47.00 3.4X
0.5s 41.00nm
i 14 48.00
i 15 00.90
SDA 1.44 329 ePn 14 44.00 -0.2
ULC 1.50 322 iPgd 14 44.23 -0.9
iSg 15 05.52
VAY 1.67 71 ePn 14 48.30 0.7
PVY 1.85 348 iPnc 14 51.19 0.9
iSn 15 16.08
TTG 1.88 331 iPnc 14 51.22 0.6
iSn 15 15.59
BDV 1.94 321 iPnd 14 51.22 -0.3
iSn 15 16.41
IVA 2.13 348 iPnd 14 55.28 0.9
iSn 15 22.91
HCY 2.23 319 iPnd 14 55.13 -0.5
iSn 15 22.91
NKY 2.31 332 iPnc 14 57.17 0.2
iSn 15 25.99
BRY 2.56 326 iPnd 15 00.16 -0.4
iSn 15 31.21
PLE 2.67 343 iPnc 15 02.47 0.4
iSn 15 35.42
S.D. = 1.1 on 16 of 17 obs.

JUN 26, 1992 11h 32m 27.18± 0.15s
6.129 N ± 2.9km 82.349 W ± 2.7km
DEPTH = 10.0km (geophysicist)
5.8mb (91 obs.) 5.4Msz (27 obs.)
SOUTH OF PANAMA (83)
Complex event observed on broadbond dislpocement seismogroms.
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=245 Dip=67 Slip= -90
NP2: 65 23 -90
Principol Axes:
T Plg=22 Azm=335
P 68 155
Comment: The focol mechonism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy 2.1±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 19
Moment Tensor; Scale 10**17 Nm
Mrr=-4.51 Mtt= 4.44
Mff= 0.07 Mrt= 7.13
Mrf= 3.03 Mtf= 1.20
Principal axes:
T Val= 9.10 Plg=30 Azm=342
N -0.15 4 249
P -8.95 60 152
Best Double Couple:Mo=9.0*10**17
NP1:Strike= 84 Dip=16 Slip= -75
NP2: 248 75 -94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 89C
Centroid Location:
Origin Time 11:32:34.5 0.4
Lat 6.36N 0.03 Lon 82.40W 0.02
Dep 15.0 FIX Half-duration 3.2
Moment Tensor; Scale 10**17 Nm
Mrr=-6.75 0.17 Mtt= 5.48 0.15
Mff= 1.27 0.23 Mrt= 2.08 0.69
Mrf= 0.69 0.50 Mtf= 2.85 0.16
Principal Axes:
T Val= 7.25 Plg= 9 Azm=334
N -0.16 3 64
P -7.10 81 170
Best Double Couple:Mo=7.2*10**17
NP1:Strike= 61 Dip=36 Slip= -94
NP2: 246 54 -87

ACR 2.63 342 eP 33 09.18 -1.3
BUS 3.68 338 eP 33 23.60 -2.2
OCR 3.75 331 ePc 33 23.56 -2.8X
LIO 3.91 350 ePc 33 29.87 1.3
LCR2 3.95 336 ePd 33 26.88 -2.4X
ICR 4.10 339 ePc 33 29.93 -1.7
SJS 4.14 336 ePc 33 30.47 -1.6
VCR 4.17 342 iPd 33 42.86 10.6X
JCR 4.60 324 iPc 33 34.95 -3.5X
PSO 7.01 134 eP 34 13.50 0.7
BOG 8.38 100 iPc 34 38.00 6.0X
iS 36 22.00
BMG 9.26 84 eP 34 40.00 -3.9X
TOV 12.95 73 eP 35 38.30 4.1X
TPX 13.07 313 (P) 35 38.00 2.3
SCX 14.58 317 (P) 36 03.00 7.5X
CAR 15.86 73 iPd 36 13.00 0.6
i(S) 39 28.00
OXX 17.78 309 (P) 36 40.74 4.0X
LRS 19.36 50 P 36 56.60 0.6
PORP 19.38 51 (P) 36 58.00 1.8
IISM 19.43 312 (P) 36 58.69 1.9
CLLP 19.44 51 P 36 57.70 0.8
CPD 19.93 52 P 37 02.80 0.5
LPR 20.12 52 P 37 04.50 0.2
ACX 20.19 303 (P) 37 08.48 3.5X
PPM 20.41 311 (P) 37 12.94 5.1X
IIA 20.48 311 (P) 37 11.45 3.5X
III 20.66 308 (P) 37 11.05 0.9
TCE 20.87 76 eP 37 13.77 1.7
UNM 20.99 310 (P) 37 16.50 2.9X
TPP 21.09 77 eP 37 15.29 1.0
TRN 21.20 76 eP 37 16.76 1.4
GRW 21.28 72 eP 37 19.88 3.6X
SVV 22.01 69 eP 37 26.99 3.4X
SKI 22.17 58 eP 37 30.07 4.9X
NEV 22.22 59 eP 37 31.76 6.1X
SLB 22.32 68 eP 37 29.99 3.3X
MGH 22.34 60 eP 37 30.33 3.5X
PAG 22.52 62 eP 37 30.00 1.3
MRX 22.75 308 (P) 37 32.80 1.9
BPA 22.79 60 eP 37 34.31 3.0X
MGG 22.80 63 eP 37 36.00 4.7X
CPB 23.08 59 eP 37 38.55 4.4X
DEG 23.18 62 eP 37 34.70 -0.5
CGX 24.56 305 (P) 37 53.00 4.3X
AGX 24.84 311 (P) 37 58.00 6.8X
ARE 24.88 155 eP 37 54.00 2.0
ZOBO 26.34 148 eP 38 04.93 -1.1
2.1s 408.16nm 5.7mb
S 42 40.00
LR 46 16.00
LPB 26.57 148 Pc 38 10.20 2.4X
Z 22s 37.04um 5.9Msz
S 42 54.00
LR 46 10.00
HBF 26.73 4 eP 38 09.11 0.4
CNCB 26.86 148 P 38 10.80 0.1
SGS 26.98 3 eP 38 10.91 -0.1
PRM 27.82 360 ePc 38 17.81 -0.8
JSC 28.03 2 eP 38 20.27 -0.3
LHS 28.25 3 eP 38 21.80 -0.7
CCH 28.32 146 eP 38 25.00 1.3
MZX 28.74 309 (P) 38 31.09 4.1X
PWLA 29.19 350 eP 38 29.27 -1.7
TKL 29.42 358 ePc 38 32.17 -0.9
CEH 29.77 5 ePc 38 35.53 -0.7
1.0s 121.26nm 5.7mb
Z 21s 7.30um 5.3Msz
ic 38 42.82
ed 38 47.20
OLY 30.41 345 eP 38 39.22 -2.7X
SIV 30.44 136 P 38 41.50 -0.9
BLA 30.99 3 eP 38 46.56 -0.4
1.5s 371.85nm 6.1mb
LST 31.00 348 eP 38 45.59 -1.4
NAV 31.07 2 ePc 38 47.02 -0.7
VVO 31.57 339 eP 38 50.00 -2.1
ANT 31.86 159 eP 38 45.00 -9.7X
CVL 31.90 6 eP 38 54.32 -0.7
TUL 32.11 339 eP 38 54.70 -2.1
1.0s 45.90nm 5.4mb
Z 22s 9.99um 5.5Msz
e 39 59.00
e 44 03.00
LR 48 42.00
FNO 32.13 336 iPd 38 56.20 -0.9
SIO 32.15 338 eP 38 54.70 -2.5X
CBN 32.25 7 eP 38 52.80 -5.2X
e 39 06.00
OCO 32.40 337 iPc 39 00.00 0.7
FVM 32.55 348 eP 38 58.01 -2.6X
1.7s 455.16nm 6.1mb
CCM 32.79 347 ePc 39 00.78 -2.0
Z 19s 4.83um 5.2Msz
ed 39 05.91
ed 39 07.57
ed 39 12.78
iPP 40 06.24
i 40 24.95
SLM 33.14 349 P 39 20.00 14.3X
Z 19s 4.83um 5.2Msz
ACO 34.09 336 iPc 39 12.50 -1.6
LVNJ 35.19 10 ePc 39 23.70 0.3
PNJ 35.40 11 iP 39 26.00 0.8
pP 39 47.20 89kmX
i 40 55.40
i 41 53.40
TBR 35.61 11 eP 39 27.40 0.4
ANMO 36.28 325 eP 39 33.84 0.8
ed 39 39.72
ed 39 45.26
ePP 40 51.14

DLA	36.58	1 P	39 33.30	-1.9	
LDN	36.77	1 P	39 34.90	-1.9	
TYNO	36.88	3 P	39 36.97	-0.7	
ELF	36.92	1 P	39 36.00	-2.0	
STCO	37.03	4 P	39 38.30	-0.6	
ACTO	37.38	3 P	39 41.27	-0.6	
HRV	37.47	13 ePc	39 43.00	0.4	
	1.1s	62.36nm			5.3mb
		ed	39 49.13		
		ed	39 54.84		
		iPP	41 11.56		
WLVO	37.80	5 P	39 44.87	-0.5	
RSNY	38.87	9 eP	39 53.91	-0.5	
	0.9s	47.46nm			5.2mb
GLD	39.30	332 ePc	39 58.79	0.5	
	1.6s	451.85nm			5.9mb
BNH	39.52	12 eP	39 59.81	0.0	
RTLL	39.54	161 ePc	39 59.50	-0.7	
RTCB	39.58	162 eP	40 00.00	-0.6	
ZON	39.67	162 eP	39 57.00	-4.3X	
CFA	39.87	161 e(P)	40 02.00	-0.9	
PV10	40.20	327 eP	40 05.00	-0.8	
GLA	40.35	316 eP	40 08.85	2.0	
BDF	40.40	123 ePd	40 06.70	-0.9	
		ed	40 13.65		
		ed	40 19.70		
		ePP	41 42.79		
EEO	40.46	3 ePc	40 07.70	0.2	
EMM	40.59	16 eP	40 07.82	-0.8	
PEL	40.60	165 ePd	40 08.00	-0.9	
MIM	40.65	14 eP	40 09.38	0.3	
PPD	41.32	134 eP	40 09.50	-5.4X	
		e	40 27.90		
SRU	41.53	326 eP	40 17.31	0.7	
PFO	41.79	315 ePd	40 19.82	1.0	
		ed	40 25.94		
		ed	40 31.90		
		ePP	41 52.51		
PLM	41.94	315 ePd	40 19.90	-0.2	
MSU	42.05	324 eP	40 22.40	1.4	
EMUT	42.19	327 eP	40 23.20	1.1	
ARUT	42.32	323 eP	40 23.97	0.8	
RSSD	42.35	337 ePd	40 23.32	0.0	
	1.3s	126.43nm			5.5mb
		ed	40 30.69		
		ePP	42 05.78		
LMN	42.39	18 eP	40 25.50	2.1	
CBM	42.46	14 eP	40 24.35	0.5	
DAU	42.85	327 eP	40 28.39	0.8	
		ePcP	42 19.06		
GSC	42.97	317 eP	40 32.57	4.1X	
		ed	40 38.61		
		ed	40 44.16		
SSK	42.98	315 eP	40 30.45	1.8	
PAS	43.29	315 ePd	40 31.48	0.6	
		ec	40 38.52		
		ed	40 44.48		
DUG	43.56	326 eP	40 34.25	1.1	
	1.6s	111.41nm			5.4mb
TPNV	43.56	320 eP	40 34.47	1.2	
BW06	43.71	331 eP	40 33.79	-0.6	
	1.5s	352.78nm			5.9mb
		i	42 22.39		
ISA	44.31	317 ePd	40 39.41	0.2	
		ed	40 46.12		
		ePP	42 24.11		
ABL	44.39	315 eP	40 41.23	1.1	
SBC	44.53	314 ePd	40 41.36	0.4	
		ed	40 47.82		
		ed	40 54.60		
HVU	44.63	327 eP	40 42.39	0.6	
TNP	44.85	320 eP	40 44.05	0.3	
	1.2s	96.09nm			5.6mb
VAO	45.10	131 eP	40 44.10	-1.7	
		e	40 52.50		
ULM	45.41	348 ePc	40 46.50	-1.3	
BONR	45.47	319 eP	40 49.45	0.7	
		ePcP	42 25.96		
PKEM	45.64	316 (P)	40 51.83	2.0	
PHAM	45.73	316 eP	40 51.01	0.5	
KVN	45.98	321 eP	40 53.60	0.9	
HPI	46.15	329 eP	40 55.72	1.7	
ITR	46.22	108 iPd	40 53.20	-1.4	
		e	40 56.80		
		e	41 05.40		
		e	41 50.80		
PDCR	46.79	113 eP	40 56.60	-2.5X	
		e	41 05.50		
LPA	46.86	152 eP-	40 59.00	-0.4	
Z	20s	9.93um			5.8Msz
		eS	47 52.00		
ARN	47.29	317 eP	41 03.52	0.7	
RDJ	47.91	128 eP	41 07.00	-0.8	
ORV	48.44	319 ePc	41 13.05	1.3	
LBFM	49.67	321 ePc	41 21.65	0.1	
		ePcP	42 42.75		
SES	50.23	336 ePd	41 25.20	-0.2	
	1.9s	1323.00nm			6.6mb
		pP	41 32.00	23kmX	
FHC	50.71	319 eP	41 29.93	0.7	
	1.6s	876.38nm			6.5mb
NEW	51.34	331 eP	41 33.00	-0.9	
	1.5s	179.30nm			5.8mb
VG8	51.46	326 eP	41 35.32	0.5	
DPW	51.61	330 eP	41 35.14	-0.8	
		ePcP	42 49.29		
SHW	52.68	326 eP	41 44.13	0.0	
LON	52.78	327 eP	41 44.40	-0.4	
RMW	53.21	327 eP	41 47.60	-0.4	
PNT	53.27	330 ePd	41 49.00	0.7	
	1.9s	511.00nm			6.2mb
FCC	53.28	352 eP	41 47.50	-0.6	
BMW	53.40	326 eP	41 49.45	0.1	
GMW	53.79	327 eP	41 51.29	-0.8	
MCW	54.50	328 eP	41 57.51	0.1	
PGC	54.81	328 eP	42 00.00	0.4	
YKA	61.03	344 eP	42 43.50	0.4	
	1.1s	55.70nm			5.6mb
SIT	65.42	331 P	43 20.00	7.9X	
Z	20s	3.68um			5.6Msz
GDH	65.82	11 ePd	43 12.56	-1.9	
		ed	43 18.27		
		ed	43 24.06		
		i	45 17.20		
		i	46 13.21		
RUV	67.82	251 eP	43 27.00	-1.0	
	1.4s	150.00nm			6.0mb
TPT	67.99	251 iP	43 28.00	-1.1	
	1.4s	125.00nm			5.9mb
VAH	68.06	251 eP	43 29.00	-0.6	
	1.4s	100.00nm			5.8mb
PMO	68.26	251 eP	43 30.00	-0.8	
	1.4s	185.00nm			6.1mb
KDS	69.34	79 eP	43 38.50	0.9	
TVO	70.15	249 eP	43 43.00	0.5	
	1.4s	145.00nm			5.9mb
PPN	70.26	249 eP	43 43.00	-0.1	
	1.4s	120.00nm			5.8mb
PPT	70.41	249 eP	43 44.00	0.0	
	1.4s	85.00nm			5.7mb
PAE	70.43	249 eP	43 44.00	-0.1	
	1.4s	185.00nm			6.0mb
BALM	70.45	333 eP	43 43.72	0.0	
KLU	72.22	333 eP	43 53.66	-0.6	
TOA	72.55	334 eP	43 56.50	0.3	
MBC	72.96	351 ePc	43 57.60	-0.7	
	1.1s	223.00nm			6.2mb
LIS	73.09	52 eP	44 00.00	0.3	
PMR	73.70	333 eP	44 02.27	-0.5	
	1.6s	186.94nm			5.9mb
Z	19s	2.80um			5.6Msz
SLKM	73.89	332 eP	44 03.51	-0.5	
AKU	74.01	23 iP	44 05.80	1.3	
	1.5s	111.11nm			5.7mb
AVE	74.07	57 iP	44 05.00	-0.6	
		i	44 30.00		
TIO	74.09	60 iPd	44 06.00	0.1	
VAL	74.19	38 iP	44 06.70	0.9	
		S	53 45.00		
FBA	74.21	336 eP	44 04.47	-1.3	
	1.5s	303.43nm			6.1mb
HON	74.45	290 P	44 20.00	12.1X	
Z	20s	3.55um			5.6Msz
KIP	74.46	290 eP	44 09.75	1.8	
EVAL	74.88	53 eP	44 10.38	0.2	
EMON	74.94	47 eP	44 10.30	-0.1	
ERUA	74.97	48 eP	44 10.72	0.1	
REF	75.07	331 eP	44 10.27	-0.8	
GIBL	75.47	54 eP	44 14.00	0.4	
EPLA	75.57	50 eP	44 14.19	0.0	
PLAT	75.58	54 eP	44 16.00	1.7	
ALJ	75.74	54 eP	44 16.00	0.8	
OJEN	75.76	54 eP	44 19.00	3.7X	
EJIF	75.83	54 eP	44 16.50	0.8	
NKM	75.83	55 iPd	44 10.00	-5.7X	
IFR	75.99	57 iP	44 19.50	2.6X	
EPRU	76.05	54 eP	44 17.54	0.6	
DCN	76.20	37 eP	44 17.00	-0.3	
ECB	76.36	38 eP	44 17.50	-0.8	
DMU	76.50	36 eP	44 18.60	-0.4	
	1.0s	186.00nm			6.1mb
ECP	76.59	38 eP	44 18.70	-0.8	
SVW	76.60	331 eP	44 18.27	-1.3	
	1.8s	298.25nm			6.1mb
DLF	76.64	37 eP	44 16.20	-3.6X	
	0.9s	154.00nm			6.1mb
ETA	76.75	37 eP	44 19.70	-0.7	
TIC	76.77	85 P	44 20.62	-0.7	
	1.2s	67.00nm			5.6mb
LIC	76.80	85 P	44 20.82	-0.6	
IMA	76.90	337 eP	44 20.30	-0.9	
	2.1s	480.06nm			6.2mb
KIC	77.07	85 Pd	44 22.40	-0.6	
	1.2s	68.00nm			5.6mb
GUD	77.08	50 eP	44 22.57	-0.1	
TOL	77.12	51 iPd	44 23.25	0.4	
		ed	44 30.04		
		ed	44 36.08		
TTA	77.16	333 eP	44 21.65	-1.0	
	1.4s	180.04nm			6.0mb
EBAN	77.25	52 eP	44 23.64	0.1	
EGUA	77.38	54 eP	44 25.25	1.0	
EHUE	78.18	53 eP	44 29.07	0.3	
SDN	78.25	325 P	44 40.00	11.4X	
Z	19s	0.78um			5.0Msz
EVIA	78.27	52 eP	44 29.26	0.0	
ECRI	78.40	48 eP	44 30.47	0.6	
ENIJ	78.47	54 eP	44 29.78	-0.5	
ETOR	78.68	50 eP	44 32.16	0.7	
ESK	78.81	35 eP	44 30.76	-1.0	
	1.0s	80.00nm			5.7mb
		ed	44 37.63		
		ed	44 42.60		
EKA	78.84	35 Pc	44 31.30	-0.6	
	1.1s	102.30nm			5.8mb
JNW	79.03	19 eP	44 35.30	2.6X	
BRW	79.24	342 eP	44 36.50	2.7X	
BOH	79.52	47 P	44 35.86	-0.2	
LPF	79.66	42 eP	44 35.50	-1.0	
	1.4s	159.80nm			5.8mb
MADF	79.66	47 P	44 36.32	-0.4	
ISSF	79.68	48 P	44 36.99	0.1	
ATE	79.75	47 P	44 34.82	-2.3X	
GRR	79.80	42 eP	44 36.50	-0.7	
	1.1s	153.85nm			5.9mb
LHE	79.80	48 P	44 37.87	0.3	
ACU	79.91	52 eP	44 38.46	0.3	
OGE	79.91	47 P	44 38.00	0.0	
EGRA	80.01	48 eP	44 41.61	3.1X	
FLN	80.06	42 eP	44 37.90	-0.7	
	1.2s	185.65nm			5.9mb
Z	19s	1.05um			5.2Msz
BTH	80.11	47 P	44 40.00	1.0	
		ipP	44 47.00	22kmX	
		sP	44 53.00		
		ePP	47 40.00		
		e	49 14.00		
		eS	54 44.00		
		PPS	55 47.00		
		SS	59 20.00		
MFF	80.22	44 eP	44 38.80	-0.8	
	1.2s	96.70nm			5.7mb
LDF	80.29	42 eP	44 39.10	-0.8	
	1.2s	174.35nm			5.9mb
EPF	80.51	48 eP	44 41.00	-0.2	
	1.4s	99.35nm			5.6mb
LFF	80.81	46 eP	44 42.10	-0.6	
	1.4s	115.00nm			5.7mb
LPO	81.13	46 eP	44 43.60	-0.8	
	1.3s	95.30nm			5.7mb
RJF	81.36	45 eP	44 44.80	-0.8	
	1.4s	128.50nm			5.8mb
Z	19s	0.77um			5.1Msz
LSF	81.38	44 eP	44 44.60	-1.1	
	1.5s	104.45nm			5.7mb
ANM	81.50	334 eP	44 46.86	0.9	
CAF	81.75	46 eP	44 47.00	-0.7	
	1.3s	71.50nm			5.6mb
TCF	81.85	44 eP	44 47.10	-1.0	
	1.4s	77.55nm			5.6mb
MAF	82.10	44 eP	44 48.40	-1.0	

26d 11h

	1.3s	91.35nm		5.7mb
BGF	82.29	44 eP	44 49.40	-1.0
	1.3s	104.35nm		5.8mb
AVF	82.63	44 eP	44 50.80	-1.3
	1.3s	49.80nm		5.5mb
SSF	82.73	43 eP	44 51.30	-1.4
COLF	82.90	45 P	44 51.97	-1.7X
LOR	82.97	43 eP	44 52.60	-1.3
	1.5s	72.10nm		5.6mb
Z	23s	1.98um		5.4MszX
SMF	82.97	44 eP	44 52.70	-1.3
	1.5s	84.10nm		5.7mb
LBF	83.05	43 eP	44 52.90	-1.5X
	2.0s	142.30nm		5.8mb
SNF	83.17	40 iPc	44 54.79	0.0
UCC	83.21	40 P+	44 55.00	0.0
DOU	83.38	40 Pc	44 55.80	-0.1
		S	55 20.00	
		e	56 19.00	
BER	83.57	30 eP	44 58.50	1.9X
DBN	83.69	38 eP	45 00.00	2.6X
Z	19s	0.30um		4.7Msz
		ePP	48 16.00	
		eS	55 12.00	
ENN	84.20	40 ePd	45 00.00	-0.1
	1.2s	121.00nm		6.0mb
		e	48 20.00	
VITF	84.36	42 P	45 00.16	-0.8
WLF	84.40	41 P	45 03.00	1.9
CDR	84.45	47 ePc	45 02.20	0.7
WIT	84.57	38 eP	45 03.00	1.2
HAU	84.62	42 eP	45 01.30	-1.0
	1.5s	107.05nm		5.9mb
Z	21s	1.52um		5.4Msz
WTS	84.70	38 iPd	45 02.80	0.3
	1.0s	142.00nm		6.2mb
KBS	84.85	11 iPd	45 03.60	0.7
LRG	84.89	47 eP	45 03.30	-0.4
	1.4s	139.40nm		6.0mb
BSF	84.93	43 eP	45 02.70	-1.2
	1.2s	79.15nm		5.8mb
LOMF	84.98	43 P	45 03.96	-0.2
BNS	84.99	39 iPd	45 04.20	0.2
Z	20s	3.40um		5.7Msz
LMR	85.01	47 eP	45 03.80	-0.5
	1.4s	106.75nm		5.9mb
BNI	85.02	45 P	45 05.60	1.1
LPL	85.03	45 eP	45 04.50	-0.2
	1.2s	58.90nm		5.7mb
LPG	85.04	45 eP	45 04.80	0.0
	1.2s	67.25nm		5.7mb
FRF	85.09	47 eP	45 04.10	-0.6
	1.3s	108.30nm		5.9mb
RRL	85.11	45 P	45 05.69	0.6
EMS	85.13	44 ePc	45 05.70	0.6
ECH	85.15	42 P	45 04.96	0.0
MOF	85.16	43 P	45 04.67	-0.4
CDF	85.21	42 P	45 04.91	-0.4
LSD	85.33	45 P	45 06.92	0.7
PZZ	85.36	46 P	45 06.82	0.6
RSP	85.42	45 P	45 07.44	0.9
BBS	85.44	43 P	45 05.66	-0.8
LIBD	85.45	42 P	45 06.41	0.0
DOI	85.46	46 P	45 07.40	0.7
DIX	85.47	44 ePc	45 08.00	1.1
TOUF	85.50	46 P	45 04.39	-2.6X
STV	85.54	46 P	45 06.82	-0.2
AURF	85.56	46 P	45 03.60	-3.6X
ENR	85.61	46 P	45 06.72	-0.7
AUTN	85.63	46 P	45 05.09	-2.6X
SBF	85.64	47 eP	45 06.80	-0.8
	1.3s	123.45nm		5.9mb
FEL	85.74	42 P	45 07.56	-0.5
KONO	85.74	31 ePd	45 07.43	-0.2
		ed	45 13.72	
		ed	45 19.93	
TNS	85.85	40 eP-	45 08.00	-0.4
MMK	85.85	44 ePc	45 10.30	1.5
ORO	85.90	45 P	45 09.43	0.6
	0.3s	16.90nm		5.7mb
ORO	85.90	45 P	45 16.10	7.3X
ROB	85.92	46 P	45 06.41	-2.5X
IMI	85.97	46 P	45 07.33	-1.9
ZLA	86.03	43 ePc	45 09.70	0.3
SLE	86.08	43 ePc	45 09.70	0.1
FIN	86.17	46 P	45 06.21	-3.9X
PCP	86.39	46 P	45 07.95	-3.3X
NB2	86.41	29 P	45 10.70	-0.3
	1.1s	117.70nm		6.0mb
VAI	86.43	44 P	45 11.50	0.2
TMA	86.48	44 ePc	45 12.20	0.4
LLS	86.49	43 ePc	45 12.60	0.7
ILT	86.76	338 iPd	45 12.50	0.0
	1.6s	168.00nm		6.0mb
Z	24s	4.10um		5.8MszX
N	22s	1.20um		
E	24s	2.80um		
		i	45 20.00	
		e	48 35.00	
		e	55 36.00	
		esS	56 52.00	
VDL	86.85	44 ePc	45 14.50	0.8
BOB	87.01	45 P	45 08.40	-5.9X
	2.9s	1203.90nm		6.6mb
OSS	87.30	44 ePc	45 16.50	0.7
SAL	87.68	45 P	45 17.50	0.2
GRF	87.68	40 ePd	45 17.50	0.2
Z	20s	1.30um		5.3Msz
		e	45 19.80	
		e	45 25.20	
		e	45 31.80	
HFS	87.74	30 eP	45 15.80	-1.5
	1.2s	64.60nm		5.8mb
Z	22s	1.71um		5.4Msz
		LR	12 52.00	
MOX	87.82	39 eP	45 18.10	0.1
	1.6s	117.00nm		5.9mb
Z	20s	1.30um		5.3Msz
N	20s	0.60um		
E	20s	0.80um		
		e	55 47.00	
OGA	87.88	43 iPc	45 19.30	0.7
ADK	87.90	322 eP	45 18.32	0.1
	1.2s	251.89nm		6.4mb
TRO	88.21	20 eP	45 21.50	2.1
WTTA	88.25	43 iPd	45 19.90	-0.4
	2.0s	206.00nm		6.1mb
		ic	45 20.50	
FIR	88.41	46 eP	45 21.00	0.1
CLL	88.60	39 iP	45 21.20	-0.5
	2.1s	240.00nm		6.1mb
Z	18s	1.50um		5.5Msz
		e(S)	56 09.00	
CRE	88.92	46 P	45 22.40	-1.1
BHG	89.02	42 eP	45 24.10	0.3
	1.6s	122.00nm		5.9mb
BRG	89.26	39 iP	45 24.80	0.0
	2.0s	170.00nm		6.0mb
Z	18s	1.50um		5.5Msz
N	18s	1.00um		
E	18s	1.00um		
		i	45 27.10	
		eSKS	56 00.00	
KHC	89.28	41 iPd	45 25.00	0.0
	1.2s	35.00nm		5.5mb
Z	18s	1.60um		5.5Msz
N	18s	0.50um		
E	18s	0.50um		
		e	49 08.00	
GEC2	89.40	41 P	45 24.10	-1.6X
	1.0s	20.39nm		5.3mb
KBA	89.43	43 eP	45 25.50	-0.4
	1.2s	53.40nm		5.7mb
		i	45 26.10	
		e	48 56.00	
ASS	89.51	47 P	45 25.40	-0.9
UPP	89.73	30 iP	45 25.50	-1.3
		iSKS	55 52.00	
		iS	56 16.00	
PRU	89.77	40 eP	45 27.00	-0.2
	2.3s	162.00nm		5.9mb
Z	21s	1.90um		5.5Msz
N	22s	0.20um		
E	22s	1.50um		
		e	49 11.60	
		e	56 26.00	
KMR	89.81	42 iP-	45 29.70	2.2
TRI	89.92	44 iP	45 28.00	0.0
		e	49 12.00	
		e	56 28.00	
		e	10 52.00	
VOY	89.96	44 eP	45 30.70	2.4
CEY	90.37	44 eP	45 31.00	0.8
LJU	90.39	44 eP	45 30.50	0.3
SDI	90.55	48 P	45 31.30	0.2
KSP	90.73	39 eP	45 31.90	0.2
		id	45 34.60	
		ePP	49 16.00	
KEV	90.88	19 iP	45 34.00	2.0
	1.0s	50.00nm		5.8mb
VBY	90.98	44 eP	45 35.00	2.1
		e	46 02.00	
VKA	91.22	41 eP	45 34.50	0.5
	3.0s	542.00nm		6.4mb
		i	45 35.20	
ZAG	91.43	44 eP	45 37.50	2.5X
ZST	91.74	41 eP	45 36.00	-0.4
		e	48 34.30	
		i	49 20.30	
SRO	92.62	42 eP	45 42.70	2.3
TDS	92.78	50 P	45 43.00	1.7
NUR	92.96	28 eP	45 42.00	0.3
		e	49 08.00	
		e	56 12.00	
		e	58 00.00	
ROI	92.97	50 P	45 41.80	-0.5
OJC	93.05	39 eP	45 43.00	0.7
		i	45 45.60	
BUD	93.16	42 e(P)	45 42.50	-0.4
KAF	93.21	26 iP	45 43.90	1.1
	1.1s	27.40nm		5.6mb
SMY	93.29	324 P	45 50.00	6.6X
Z	21s	1.09um		5.3Msz
UZH	95.02	40 eP	45 53.00	1.6
	1.2s	75.00nm		6.0mb
		e	46 10.70	
		e	49 35.00	
		ePS	58 25.00	
OHR	95.82	48 iP	45 52.50	-2.9X
SKO	96.09	47 iP	45 57.00	0.5
		i	49 50.00	
SPA	96.09	180 iPd	45 55.50	-0.6
	1.1s	65.48nm		6.0mb
Z	20s	2.07um		5.6Msz
BCAO	100.31	84 iPdiff	46 18.40	2.1
	1.1s	22.00nm		5.6mb
		i	49 35.30	
		i	50 28.20	
OBN	100.94	31 ePdiff	46 18.00	0.0
	1.0s	21.00nm		5.7mb
		i	50 26.00	
		e	52 42.00	
		e	56 56.00	
		ePS	59 24.00	
		eSS	04 46.00	
		eSSS	08 40.00	
MOS	101.16	30 ePdiff	46 20.00	1.0
	2.0s	90.00nm		6.0mb
PET	101.93	327 ePdiff	46 30.00	7.5X
Z	28s	2.00um		5.5MszX
N	28s	1.67um		
E	28s	1.70um		
		e	50 34.00	
		ePPP	52 48.00	
		e	57 04.00	
		ePS	59 44.00	
		eSS	05 20.00	
NRI	104.35	3 ePdiff	46 34.00	1.1
	2.6s	81.00nm		6.1mb
HLW	107.13	56 ePKP	51 14.00	18.2X
YAK	107.69	345 ePdiff	46 48.90	1.0
	2.0s	86.00nm		6.5mb
Z	24s	2.30um		5.7MszX
N	24s	1.70um		
E	22s	1.00um		
		e	51 14.00	
		e	00 38.00	
KIV	109.81	39 ePdiff	46 55.76	-2.2X
		eHPP	51 32.51	
		ePP	51 33.00	
GRS	114.43	42 ePKP	50 50.00	-19.7X
		e	52 02.00	
IRK	121.55	355 ePKP	51 23.20	0.6
	2.0s	39.00nm		
Z	23s	1.60um		5.6MszX
N	22s	1.04um		
E	20s	0.47um		
		e	52 57.00	
		e	09 32.00	
MDJ	121.90	334 ePKP	51 22.00	-1.5
MOY	122.35	358 ePKP	51 24.20	0.2

MAT 123.06 321 (PKP) 51 24.00 -2.0X
Z 20s 0.71um 5.3Msz
ZAK 123.51 356 ePKP 51 25.80 -0.5
2.0s 17.00nm
e 53 07.00
e 58 28.00
ePPS 04 38.00
eSS 10 16.00
SHI 123.96 48 e(PKP)51 27.00 -1.2
MAIO 124.69 37 ePKP 51 28.00 -1.3
e 53 22.00
e 04 51.00
SNY 126.72 336 ePKP 51 29.30 -3.6X
Z 25s 2.25um 5.7MszX
E 18s 0.95um
FRU 126.96 21 ePKP 51 32.60 -0.8
2.2s 40.00nm
RMO 127.35 241 ePKP 51 33.00 -1.6X
0.4s 7.00nm
TLG 127.51 19 ePKP 51 26.00 -8.5X
2.6s 52.00nm
e 51 32.00
i 53 32.00
GAR 128.45 27 ePKP 51 35.00 -1.5X
PRZ 128.54 18 iPKP 51 37.00 0.4
1.2s 110.00nm
GUA 129.17 293 e(Pdif48 14.50 -10.2X
GUMO 129.20 293 e(Pdif48 21.70 -3.1X
Z 32s 2.08um 5.6MszX
WMO 129.47 9 ePKPd 51 37.08 -1.1
Z 22s 3.30um 6.0Msz
N 40s 22.10um
e 51 44.36
sPKP 51 53.00
eHPP 53 49.91
ePP 53 50.41
eSKP 54 59.27
eSS 11 04.00
DL2 129.98 336 ePKP 51 37.00 -2.2X
KSH 130.41 22 PKP 51 41.30 1.1
Z 28s 3.10um 5.9MszX
N 18s 1.81um
PP 53 57.00
CTA 130.86 249 ePKP 51 37.00 -4.4X
BJI 130.99 341 ePKP 51 39.50 -1.6
ePP 53 56.00
eSKKS 00 46.00
HHC 131.54 346 ePKP 51 41.60 -0.7
Z 26s 3.11um 5.9MszX
N 21s 2.03um
eSKS 58 48.50
SKKS 00 45.00
STK 131.67 232 ePKP 51 34.50 -8.1X
0.6s 10.30nm
ePKS 55 07.50
BTO 132.13 347 PKP 51 43.50 0.1
N 20s 2.33um
E 20s 1.82um
sPKP 51 57.50
PP 54 03.50
eSKKS 00 50.00
ADE 132.56 227 e(PKP)51 41.00 -3.3X
QUE 133.41 37 e(PKP)51 40.00 -6.3X
e 54 13.00
TIA 134.09 338 ePKP 51 41.90 -5.2X
Z 34s 2.77um 5.7MszX
TIY 134.26 344 ePKP 51 48.20 0.7
GTA 134.65 358 ePKP 51 47.00 -1.3
Z 24s 3.38um 6.0MszX
N 20s 2.16um
PP 54 18.00
SSE 136.68 330 ePKP 51 51.28 -0.9
Z 20s 1.60um 5.7Msz
N 16s 1.10um
ePP 54 45.06
QIS 136.89 246 ePKP 51 42.00 -10.9X
NJ2 136.99 333 ePKP 51 46.20 -6.5X
LZH 137.61 353 ePKP 51 49.00 -5.0X
sPKP 52 07.00
PKS 55 23.00
XAN 138.65 346 PKP 51 53.00 -2.8X
N 19s 3.21um
E 18s 1.35um
PP 54 52.00
NDI 140.18 29 e(PKP)51 50.00 -8.7X
WHN 140.18 337 ePKP 51 54.50 -4.1X
Z 32s 2.46um 5.7MszX
N 20s 2.78um
PP 54 58.00
ASPA 141.04 240 ePKP 51 49.50 -10.9X
1.1s 8.60nm
WB2 141.81 245 iPKPc 51 54.90 -7.0X
0.8s 7.30nm
WRA 141.82 245 PKP 51 54.70 -7.2X
0.6s 2.20nm
CD2 142.71 351 PKP 51 58.80 -4.4X
Z 24s 1.42um 5.6MszX
GKN 143.82 20 PKP 52 00.20 -5.1X
LSA 143.83 10 ePKPd 52 01.60 -4.1X
ePP 55 22.37
KKN 144.22 19 PKP 52 01.60 -4.5X
GUN 144.30 18 PKP 52 02.20 -4.2X
DMN 144.34 19 PKP 52 02.20 -4.1X
PKI 144.47 19 PKP 52 02.00 -4.6X
WARB 145.90 231 ePKP 52 07.00 -1.7X
POO 146.07 43 iPKPd 52 09.80 0.6
MTN 146.34 256 ePKP 52 08.00 -1.6X
GYA 146.45 345 PKP 52 08.80 -0.9
COOL 146.95 219 ePKP 52 10.00 -0.3
GZH 147.16 333 PKPc 52 12.00 1.3
HKC 147.44 331 ePKP 52 15.70 4.5X
BCP 148.10 315 ePKP 52 15.50 3.1X
KMI 148.54 351 ePKP 52 13.76 0.5
CGP 149.39 298 ePKP 52 15.00 0.5
PGP 149.74 310 ePKP 52 22.00 7.0X
BAL 149.78 214 ePKP 52 17.60 2.9X
HYB 149.94 39 ePKP 52 14.70 -0.6
MRWA 151.23 215 ePKP 52 21.00 4.1X
0.5s 4.00nm
QIZ 152.26 335 PKP 52 15.00 -3.7X
KOD 154.15 51 ePKP 52 22.30 0.5
CHG 155.18 357 ePKP 52 22.00 -0.7
CHTO 155.18 357 ePKP 52 22.11 -0.6
i 52 29.64
BDT 156.74 357 ePKP 52 24.00 -0.8
S.D. = 1.0 on 319 of 423 obs.

? JUN 26, 1992 12h 12m 22.90± 4.00s
32.614 S ±43.7km 179.448 W ±38.4km
DEPTH = 416.2 ± 33.1 km
4.7mb (3 obs.)
SOUTH OF KERMADEC ISLANDS (179)

KUZ 5.73 223 eP 13 54.90 1.0
PUZ 5.76 198 P 13 52.40 -1.8
S 15 19.70
WCZ 6.12 235 P 13 58.90 0.9
URZ 6.29 206 eP 13 58.10 -1.8
eS 15 30.60
NOZ 6.33 198 eP 14 02.00 1.7
MOZ 7.52 217 eP 14 21.00 7.5X
PGZ 8.70 202 eP 14 31.90 5.0X
MNG 8.97 206 eP 14 29.20 -0.8
S 16 28.80
TCW 9.94 209 eP 14 42.60 1.4
KHZ 11.25 208 P 14 59.20 3.1X
eS 17 20.80
MQZ 12.69 207 eP 15 18.60 6.6X
S 17 51.00
CTA 33.02 284 eP 18 20.10 -3.0X
0.4s 50.00nm 5.2mb
WB2 42.99 275 iPc 19 44.20 -0.9
0.3s 12.80nm 4.8mb
WRA 43.00 275 P 19 44.70 -0.4
0.5s 2.20nm 3.8mb
KAF 146.18 338 ePKP 31 10.90 -3.0X
NUR 147.92 338 ePKP 31 17.50 0.8
NB2 150.72 349 PKP 31 24.40 3.3X
0.5s 0.70nm
S.D. = 1.6 on 10 of 17 obs.

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* JUN 26, 1992 13h 39m 41.44± 1.44s
40.851 N ±12.9km 23.455 E ±10.4km
DEPTH = 10.0km (geophysicist)
GREECE (364)

MMB 0.77 15 iPgd 39 56.00 -0.4
VAY 0.82 305 iPn 39 57.00 -0.3
0.4s 112.00nm
iSn 40 11.20
Lg 40 12.00
KDZ 1.68 61 eP 40 10.00 -1.0
VTS 1.75 354 eP 40 12.00 -0.1
PGB 1.78 17 eP 40 14.00 1.5
EZN 2.42 114 ePn 40 22.00 0.3
S.D. = 1.1 on 6 of 6 obs.

& JUN 26, 1992 14h 16m 31.06s
34.039 N 116.316 W
DEPTH = 8.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.2 (PAS).

PEC 0.72 258 eP 16 43.98 -1.4
PLM 0.82 214 iPd 16 46.25 -1.0
eS 16 57.53
SSK 1.16 279 eP 16 52.28 -0.7
eS 17 08.84
GLA 1.59 128 ePn 16 56.97 -2.6
ISA 2.40 313 ePn 17 09.15 -2.2
ePg 17 14.49
ABL 2.53 289 eP 17 11.60 -1.8
TPNV 2.90 1 eP 17 16.29 -2.3
TNP 4.10 350 (Pn) 17 36.67 1.1
BONR 4.23 338 ePn 17 37.14 -0.3
ARUT 4.41 31 eP 17 38.92 -1.0
MSU 5.58 36 (Pn) 17 59.02 2.4
11 obs. associated

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* JUN 26, 1992 14h 50m 28.20± 1.36s
7.292 N ± 5.5km 126.865 E ±13.3km
DEPTH = 56.9 ± 13.3 km
4.7mb (7 obs.)
MINDANAO, PHILIPPINE ISLANDS (259)

BIP 1.11 327 iPc 50 47.00 -0.7
CGP 2.44 298 iPd 51 08.50 2.1
iS 51 47.00
PLP 4.27 334 ePc 51 31.50 -0.8
eS 51 50.20
PCI 10.75 221 ePc 53 07.90 5.9X
e 56 19.00
KNA 22.97 175 eP 55 29.00 0.3
KUMJ 25.39 8 P 55 52.10 0.3
SHNJ 26.99 8 P 56 06.40 -0.2
WB2 28.05 165 eP 56 15.00 -1.4
0.8s 7.30nm 4.4mb
QIS 30.38 156 iPc 56 35.00 -2.2
0.3s 9.00nm 5.0mb
i 56 46.50
ASPA 31.53 168 iPc 56 48.70 1.4
0.5s 5.10nm 4.6mb
i 59 38.60
YAMJ 32.97 19 eP 56 59.20 -0.5
CTA 33.23 145 eP 57 02.10 0.0
0.6s 22.33nm 5.2mb
i 57 14.20
WARB 33.28 180 eP 57 03.00 0.5
BJI 33.99 345 eP 57 05.00 -3.4
OFUJ 34.34 21 eP 57 11.80 0.2
MEEK 34.66 193 eP 57 13.50 -1.0
LZH 35.56 327 eP 57 34.50 12.3X
1.5s 20.00nm
sP 57 43.50
MRRJ 37.17 18 eP 57 34.70 -0.7
MRWA 37.78 196 iPd 57 40.80 0.1
HOOJ 37.84 20 eP 57 43.00 2.0
COOL 38.35 188 eP 57 45.00 -0.5
BAL 38.92 194 eP 57 50.20 0.0
KUSJ 38.97 21 eP 57 51.40 0.9
ASAJ 39.19 18 eP 57 53.60 1.3
KLB 39.63 192 eP 57 56.60 0.5
MUN 40.35 194 iPd 58 02.50 0.5
STK 41.41 161 eP 58 09.40 -1.3
0.5s 5.90nm 4.6mb
ARMA 44.39 149 eP 58 37.00 1.8
BWA 46.23 155 eP 58 52.40 2.8X
CAN 47.24 155 eP 59 00.70 3.1X
MAIO 67.50 306 eP 01 21.00 0.2
MBC 88.47 13 eP 03 16.50 1.3
0.9s 6.00nm 4.8mb
KAF 88.52 332 iP 03 14.40 -1.2
NUR 89.67 331 eP 03 20.10 -1.0
GEC2 99.39 322 PKP 04 04.90 -1.1
0.8s 1.10nm 4.5mb
KIC 129.85 285 PKP 09 35.00 1.0
TIC 130.05 285 PKP 09 35.20 0.8
LIC 130.16 284 PKP 09 35.50 0.9
ZOBO 162.82 123 PKP 10 29.00 2.5X
S.D. = 1.3 on 34 of 39 obs.

26d 14h

% JUN 26, 1992 14h 57m 45.33± 1.16s
42.060 N ± 8.3km 19.439 E ± 7.1km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.6 (TTG).

ULC 0.17 236 iPgd 57 49.30 0.1
iSg 57 52.57
TTG 0.39 340 iPgc 57 53.26 -0.1
iSg 57 59.83
BDV 0.51 296 iPgc 57 55.61 0.0
iSg 58 03.41
PVY 0.67 36 iPgc 57 58.52 -0.1
iSg 58 08.77
HCY 0.80 299 iPgd 58 00.48 -0.4
iSg 58 12.96
IVA 0.88 23 iPgc 58 02.37 0.1
iSg 58 15.72
BRY 1.07 322 iPgc 58 05.95 0.4
iSg 58 22.10
S.D. = 0.3 on 7 of 7 obs.

JUN 26, 1992 15h 35m 09.71± 0.80s
16.723 N ± 7.0km 61.497 W ± 8.6km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
ML 1.8 (FDF).

BPA 0.47 313 iP 35 19.76 0.5
eS 35 26.19
ANG 0.54 323 eP 35 20.74 0.2
DEG 0.58 134 ePc 35 21.22 -0.4
S 35 29.30
MGH 0.69 270 eP 35 23.30 -0.1
S 35 32.30
PAG 0.71 194 eP 35 23.90 0.1
MGG 0.82 168 eP 35 25.90 0.4
S 35 37.00
NEV 1.11 292 eP 35 30.25 -0.3
SKI 1.33 297 eP 35 33.87 -0.5
eS 35 51.55
S.D. = 0.4 on 8 of 8 obs.

JUN 26, 1992 16h 14m 16.62± 0.69s
17.076 N ± 7.1km 62.308 W ± 5.2km
DEPTH = 10.0km (geophysicist)
LEEWARD ISLANDS (92)
MD 2.3 (TRN).

NEV 0.26 283 eP 14 21.43 -0.7
eS 14 25.00
MBET 0.36 157 eP 14 24.13 0.1
eS 14 28.71
MGH 0.36 166 eP 14 24.26 0.1
eS 14 29.56
BPA 0.43 94 eP 14 25.24 -0.2
eS 14 29.06
ANG 0.46 80 iP 14 26.08 0.0
eS 14 33.52
SKI 0.49 302 eP 14 27.10 0.6
eS 14 31.82
CPB 0.73 39 eP 14 25.43 -5.4X
S.D. = 0.5 on 6 of 7 obs.

JUN 26, 1992 16h 41m 33.92± 0.52s
31.072 N ± 3.2km 35.500 E ± 6.8km
DEPTH = 10.0km (geophysicist)
DEAD SEA REGION (373)

LISJ 0.17 354 Pc 41 38.59 0.9
QTRJ 0.49 62 Pc 41 43.81 -0.1
MKRJ 0.49 14 Pd 41 43.96 0.0
MASJ 0.68 16 Pd 41 47.09 -0.4
SHWJ 0.69 180 Pc 41 47.38 -0.3
KFNJ 0.80 11 Pd 41 49.14 -0.3
SALJ 0.95 10 Pd 41 51.76 -0.3
CSTJ 1.01 87 Pd 41 53.00 0.0
NAOJ 1.07 180 Pc 42 09.35 15.3X
BURJ 1.19 12 Pd 41 56.11 -0.2
JARJ 1.22 18 Pd 41 56.28 -0.4
HOL 1.84 192 ePd 42 06.30 0.6
eS 42 29.30
QTFJ 1.85 66 Pd 42 07.06 1.1
AYN 2.24 169 eP 42 11.00 -0.5
eS 42 40.00
S.D. = 0.6 on 13 of 14 obs.

JUN 26, 1992 17h 17m 44.18± 0.42s
31.072 N ± 2.6km 35.505 E ± 5.7km
DEPTH = 10.0km (geophysicist)
DEAD SEA REGION (373)

LISJ 0.17 353 Pd 17 48.74 0.8
QTRJ 0.49 62 Pc 17 54.05 -0.1
MKRJ 0.49 14 Pd 17 54.15 -0.1
MASJ 0.68 15 Pd 17 57.31 -0.4
SHWJ 0.69 180 Pc 17 57.60 -0.3
KFNJ 0.80 11 Pd 17 59.38 -0.3
MDSJ 0.85 49 Pd 18 00.43 -0.2
SALJ 0.95 9 Pd 18 01.96 -0.3
CSTJ 1.00 87 Pd 18 03.20 0.0
NAOJ 1.07 180 Pc 18 04.29 0.0
BURJ 1.19 12 Pd 18 06.30 -0.2
JARJ 1.22 18 Pd 18 06.64 -0.3
SHMJ 1.66 8 Pd 18 13.87 0.3
HOL 1.84 192 ePd 18 16.50 0.5
eS 18 40.00
QTFJ 1.85 66 Pd 18 17.27 1.1
AYN 2.24 169 eP 18 21.30 -0.5
eS 18 48.00
WAJH 4.97 169 eP 19 04.00 3.5X
eS 20 14.00
S.D. = 0.5 on 16 of 17 obs.

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* JUN 26, 1992 17h 49m 01.57± 0.76s
18.190 S ±14.4km 166.139 E ± 8.3km
DEPTH = 33.0km (normal)
4.7mb (3 obs.)
VANUATU ISLANDS REGION (185)

BKM 2.07 76 iP 49 35.50 0.8
iS 50 04.00
PVC 2.12 78 iPd 49 34.50 -0.8
iS 50 05.50
DZM 3.87 176 iPc 50 00.40 0.1
iS 50 50.00
WB2 30.07 261 eP 55 10.10 -0.2
0.3s 2.90nm 4.6mb
WRA 30.08 261 P 55 11.10 0.7
0.4s 1.80nm 4.2mb
ASPA 30.56 254 iPd 55 14.00 -0.6
0.3s 28.30nm 5.5mb
S.D. = 0.9 on 6 of 6 obs.

JUN 26, 1992 19h 17m 48.70± 0.33s
46.756 N ± 3.0km 8.921 E ± 3.3km
DEPTH = 5.0km (geophysicist)
SWITZERLAND (544)
ML 3.2 (VIE), 3.0 (LDG), 3.0
(FUR), 2.9 (GRF).

LLS 0.12 25 iPc 17 51.10 -0.3
VDL 0.46 125 iPd 17 56.90 -1.1
TMA 0.65 183 iPc 18 01.00 -0.8
ZLA 0.81 334 iPc 18 05.20 0.2
OSS 0.84 94 iPc 18 03.80 -1.8
VAI 0.90 187 Pc 18 05.50 -0.8
eSn 18 16.50
MMK 0.97 224 ePc 18 06.90 -0.8
SLE 1.05 344 iPc 18 09.40 0.4
DIX 1.24 238 ePd 18 12.20 -0.3
FEL 1.28 331 ePn 18 13.56 0.6
ORO 1.31 210 P 18 13.60 0.2
eSn 18 28.70
OGA 1.45 85 ePn 18 14.90 -0.9
iPg 18 18.40
SAL 1.60 135 P 18 20.00 2.3
eSn 18 39.90
SOTA 1.63 73 iPnc 18 18.90 0.6
iPg 18 20.40
iSg 18 43.00
LSD 1.79 224 P 18 21.29 0.6
S 18 44.41
BSF 1.80 307 Pn 18 21.30 0.5
Sn 18 43.00
Sg 18 47.90
WTTA 1.93 74 iPgc 18 25.20 2.6
iSg 18 51.20
LPL 1.96 232 Pn 18 25.40 2.2
Sg 18 51.00
LPG 1.96 231 Pn 18 25.40 2.1
Sg 18 52.30
RSP 1.98 216 P 18 23.54 0.2
S 18 48.56
CDF 2.00 327 Pn 18 23.60 0.1
Sn 18 44.40
Sg 18 52.80
CTI 2.02 110 P 18 26.80 2.9X
eSn 18 52.00
BOB 2.02 169 P 18 23.80 -0.1
eSn 18 46.80
FUR 2.13 48 iPgc 18 28.50 3.1X
HAU 2.15 306 Pn 18 24.00 -1.7
Sn 18 48.70
Sg 18 57.30
PCP 2.23 187 P 18 26.90 0.0
BNI 2.32 223 P 18 29.00 0.8
eSn 18 53.90
RRL 2.37 220 P 18 30.96 1.9
S 19 00.68
ROB 2.57 197 P 18 31.67 -0.1
S 19 02.62
PZZ 2.59 210 P 18 32.46 0.4
S 19 02.98
FIN 2.60 191 P 18 32.05 0.0
S 19 01.21
FVI 2.66 92 P 18 37.20 4.2X
ENR 2.74 203 P 18 32.02 -2.2
STV 2.75 205 P 18 34.68 0.3
IMI 2.94 195 P 18 36.15 -0.8
KBA 3.05 82 e(Pn) 18 40.00 1.4
e 18 43.50
i 18 46.10
e(Sn) 19 19.00
i 19 25.00
SBF 3.08 200 Pn 18 38.50 -0.4
Sn 19 15.40
GRF 3.32 27 ePn 18 40.40 -1.9
ePg 18 51.40
eSg 19 34.30
LBF 3.40 276 Pn 18 43.90 0.4
Pg 18 53.40
Sg 19 35.60
SMF 3.50 270 Pn 18 44.90 0.0
Pg 18 54.50
Sg 19 38.00
LOR 3.50 280 Pn 18 45.20 0.3
Pg 18 55.00
Sg 19 39.20
FRF 3.58 208 Pn 18 45.60 -0.4
SSF 3.72 277 Pn 18 48.10 0.0
Sg 19 46.90
LRG 3.77 210 Pn 18 49.10 0.4
LMR 3.83 207 Pn 18 49.00 -0.5
AVF 3.83 273 Pn 18 49.00 -0.5
KHC 3.93 51 ePg 19 03.30 12.3X
eSn 19 36.00
Sg 19 50.00
BGF 4.19 269 Pn 18 53.70 -0.9
Sg 20 02.10
MAF 4.42 265 Pn 18 56.10 -1.9
PRU 4.95 47 eP 20 03.50 58.1X
eSg 20 24.00
S.D. = 1.1 on 45 of 50 obs.

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* JUN 26, 1992 20h 02m 00.20± 2.27s
21.678 S ±11.5km 170.498 E ±15.5km
DEPTH = 155.5 ± 18.0 km
4.7mb (8 obs.)
LOYALTY ISLANDS REGION (189)

DZM 3.79 263 iPd 02 58.70 0.1
iS 03 43.70
HNR 15.85 319 eP 05 36.00 -0.1
ARMA 19.04 239 eP 06 12.00 -0.9
MNG 19.35 168 P 06 15.40 -0.5
RMO 20.41 252 iPd 06 29.00 2.2
0.9s 75.00nm 5.1mb
CNB 22.95 229 iPc 06 54.80 3.0X
1.0s 90.00nm 5.2mb
BWA 23.20 232 eP 06 54.00 -0.1
CAN 23.21 230 eP 06 55.70 1.4
CMS 24.08 241 eP 07 03.60 1.0
0.5s 15.00nm 4.8mb
STK 27.66 242 iPd 07 35.70 0.3
1.0s 3.40nm 4.0mb
ASPA 33.77 260 eP 08 27.80 -1.4
0.8s 18.30nm 4.8mb
WB2 33.79 266 iPd 08 27.90 -1.4
0.7s 6.70nm 4.5mb
WRA 33.80 266 P 08 28.00 -1.4

0.3s 4.30nm 4.6mb
SPA 68.45 180 iPd 12 46.30 -0.9
1.0s 11.50nm 4.6mb
KSP 144.58 332 iPKPd 21 18.40 -1.1
BRG 145.57 334 iPKP 21 20.80 -0.3
1.0s 10.00nm
CLL 145.61 335 iPKPd 21 21.30 0.1
1.3s 15.00nm
PRU 145.97 332 ePKP 21 22.50 0.7
EKA 146.06 354 PKP 21 22.00 0.2
0.6s 2.60nm
KHC 147.03 332 ePKP 21 25.80 2.2
GEC2 147.19 331 PKP 21 23.90 -0.1
0.8s 3.23nm
GRF 147.59 335 ePKP 21 27.30 2.8X
BCAO 147.86 242 iPKPc 21 29.60 3.6X
0.8s 11.00nm
WLF 149.44 340 PKP 21 32.00 4.7X
DOU 149.53 342 PKP 21 32.30 4.9X
CDF 150.13 337 ePKP 21 33.00 4.5X
1.0s 5.40nm
BSF 150.80 337 ePKP 21 34.50 4.9X
0.9s 6.40nm
HAU 150.81 338 ePKP 21 34.60 5.1X
0.7s 4.95nm
LOR 152.28 340 ePKP 21 37.80 6.1X
0.8s 2.55nm
LPL 152.75 335 ePKP 21 51.00 18.3X
0.5s 1.40nm
LPG 152.76 335 ePKP 21 51.30 18.5X
0.6s 1.80nm
S.D. = 1.2 on 20 of 31 obs.

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* JUN 26, 1992 20h 08m 37.29± 1.10s
37.893 S ± 9.9km 175.982 E ±16.2km
DEPTH = 284.9 ± 13.2 km
NORTH ISLAND, NEW ZEALAND (159)

URZ 0.96 113 P 09 13.80 -2.3
S 09 32.40
MOZ 1.11 236 P 09 15.80 -1.1
KUZ 1.16 350 P 09 19.00 1.9
PAHZ 1.28 139 eP 09 16.20 -1.7
NOZ 1.77 115 eP 09 21.90 0.7
WAHZ 1.83 171 Pc 09 20.60 -1.1
HBZ 1.86 82 eP 09 23.70 1.8
BSZ 2.07 203 eP 09 23.40 -0.2
PGZ 2.73 175 P 09 29.20 -0.5
MNG 2.75 188 Pc 09 29.70 -0.2
S 09 59.70
KIW 3.08 195 P 09 33.30 0.1
MTW 3.28 186 P 09 35.20 -0.1
CAW 3.29 192 P 09 35.50 0.1
AMW 3.42 183 P 09 36.90 0.2
MRW 3.48 196 P 09 37.60 0.2
eS 10 14.50
BLW 3.49 186 P 09 37.70 0.1
WEL 3.52 195 P 09 38.50 0.7
MOW 3.57 189 P 09 38.60 0.2
TCW 3.57 201 P 09 39.20 0.8
KHZ 4.89 202 eP 09 54.70 1.3
S 10 47.10
WRA 40.22 285 P 15 47.00 -1.0
0.9s 0.40nm 2.8mb X
S.D. = 1.1 on 21 of 21 obs.

? JUN 26, 1992 20h 38m 00.16± 4.74s
18.200 S ±126.km 173.092 W ±36.5km
DEPTH = 33.0km (normal)
5.0mb (4 obs.)
TONGA ISLANDS (173)

DZM 19.59 255 iPc 42 29.00 0.2
CTA 38.39 260 eP 45 20.70 0.3
0.4s 47.46nm 5.7mb
WB2 49.53 259 eP 46 44.80 -5.3X
0.3s 4.70nm 5.0mb
i 46 50.10
WRA 49.55 259 P 46 50.50 0.3
0.4s 2.00nm 4.5mb
ASPA 49.58 254 eP 46 49.50 -1.0
0.7s 10.70nm 5.0mb
AIA 81.23 156 eP 50 14.00 0.1
GEC2 148.94 351 PKP 57 51.20 9.1X
0.7s 0.44nm
S.D. = 0.8 on 5 of 7 obs.

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* JUN 26, 1992 20h 44m 15.75± 2.44s
7.260 S ±11.7km 128.380 E ±20.6km
DEPTH = 105.3 ± 29.3 km
4.5mb (1 obs.)
BANDA SEA (280)

MTN 6.18 154 eP 45 47.00 1.0
eS 46 51.00
KNA 8.45 177 iPd 46 16.30 -0.7
WB2 13.88 156 iPd 47 26.40 -2.7X
0.3s 23.90nm 5.0mb X
eS 49 48.50
MBL 16.10 210 iPc 47 46.30 -11.0X
eS 50 40.00
OIS 17.11 142 eP 48 10.00 0.1
eS 51 06.00
ASPA 17.15 163 iPc 48 09.30 -1.1
0.9s 25.30nm 4.5mb
eS 51 06.60
WARB 18.89 185 iPc 48 31.00 0.2
MEEK 21.39 205 eP 48 56.00 -0.5
MRWA 24.76 207 eP 49 30.40 1.3
GUN 53.92 312 P 53 31.60 0.4
PKI 54.08 312 P 53 32.60 0.2
KKN 54.30 312 P 53 33.20 -0.6
DMN 54.33 312 P 53 33.60 -0.5
GKN 54.89 312 P 53 38.40 0.3
S.D. = 0.8 on 12 of 14 obs.

? JUN 26, 1992 21h 12m 11.77± 1.62s
29.508 N ±22.5km 143.188 E ±73.0km
DEPTH = 33.0km (normal)
4.7mb (4 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 8.16 331 (P) 14 11.00 0.1
(S) 15 34.00
WB2 49.90 191 eP 21 04.40 0.2
0.3s 4.40nm 5.0mb
KAF 75.69 334 iP 23 55.50 0.3
0.4s 4.20nm 4.8mb
NUR 77.30 334 iP 24 04.60 0.4
HFS 81.56 337 eP 24 28.00 0.8
0.5s 3.90nm 4.7mb
GEC2 89.90 329 P 25 07.20 -1.7
0.5s 0.39nm 3.9mb
S.D. = 1.1 on 6 of 6 obs.

& JUN 26, 1992 21h 58m 56.30s
62.372 N 151.148 W
DEPTH = 87.7km
CENTRAL ALASKA (1)
<AEIC>.

CUT 0.41 85 iPc 59 09.65 -0.7
SKT 0.43 205 iPd 59 09.84 -0.7
iS 59 20.37
HUR 0.93 48 iPc 59 14.39 -0.9
eS 59 28.49
SUA 0.93 168 iPd 59 15.16 -0.3
eS 59 29.11
PWA 0.94 140 P 59 15.10 -0.3
NCG 1.08 207 ePd 59 16.31 -0.9
CGLM 1.14 201 ePd 59 17.03 -0.9
TRF 1.15 20 iPc 59 17.21 -0.9
eS 59 33.47
KTH 1.19 5 iPd 59 17.45 -1.1
eS 59 33.19
CRP 1.21 204 eP 59 16.83 -2.0
eS 59 34.43
GHO 1.21 119 eP 59 17.92 -0.8
PMR 1.23 129 eP 59 17.79 -1.1
eS 59 35.53
CKN 1.25 204 eP 59 18.81 -0.4
BGL 1.26 208 ePd 59 19.04 -0.3
SPU 1.27 200 iPd 59 18.67 -0.8
eS 59 36.50
CKL 1.31 206 eP 59 19.25 -0.8
PMS 1.36 146 P 59 19.80 -0.8
BKG 1.41 203 iPd 59 20.39 -0.9
eS 59 39.56
SML 1.44 112 ePc 59 20.90 -0.7
eS 59 39.91
RND 1.48 44 eP 59 21.29 -0.8
KNK 1.60 126 eP 59 22.90 -0.7
eS 59 43.65
MCK 1.70 35 eP 59 24.06 -0.9
PTE 1.82 145 eP 59 25.35 -1.2
SCM 1.88 105 ePd 59 26.00 -1.4
SLKM 1.92 166 eP 59 27.04 -0.9
REF 2.03 202 eP 59 28.60 -1.0
RS2 2.07 203 eP 59 29.50 -0.6
RSO 2.07 203 eP 59 29.53 -0.5
RS1 2.07 203 eP 59 29.55 -0.5
TTA 2.31 286 iPd 59 31.35 -1.9
TOA 2.34 94 P 59 32.90 -0.8
NEA 2.40 22 ePc 59 32.43 -2.0
eS 59 59.25
SEW 2.42 159 eP 59 33.63 -1.0
SVW 2.48 241 P 59 34.50 -1.0
INE 2.50 203 P 59 32.00 -3.9
WRH 2.52 32 ePd 59 34.20 -1.8
VLZ 2.61 116 eP 59 34.92 -2.2
SDG 2.61 84 eP 59 35.90 -1.4
KLU 2.62 107 ePc 59 35.17 -2.4
MLY 2.68 4 eP 59 36.75 -1.5
PAX 2.69 75 ePc 59 37.50 -0.9
TZL 2.70 94 eP 59 37.33 -1.2
CCB 2.73 32 ePc 59 36.93 -2.0
HDA 2.78 41 ePd 59 37.86 -1.7
FBA 2.95 29 eP 59 39.08 -2.8
HIN 2.99 129 eP 59 40.23 -2.2
GLM 3.11 31 eP 59 42.37 -1.9
DOT 3.48 65 eP 59 47.20 -2.0
GLB 3.59 102 ePc 59 48.55 -2.3
IMA 3.87 345 eP 59 52.15 -2.6
eS 00 34.19
KAIM 4.08 124 eP 59 54.21 -3.4
TGL 4.30 108 eP 59 57.88 -2.8
BALM 4.40 104 eP 59 59.12 -3.0
53 obs. associated

JUN 26, 1992 22h 11m 18.72± 1.40s
38.813 N ± 9.8km 70.434 E ± 6.9km
DEPTH = 39.2 ± 14.9 km
4.4mb (12 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.(717)
ML 4.2 (BJI).

KSH 4.36 80 P 12 25.00 0.6
S 13 15.50
MAIO 9.04 257 eP 13 30.00 0.1
eS 15 08.00
QUE 9.07 199 eP 13 29.10 -1.2
eS 15 14.20
WMQ 13.90 63 P 14 39.50 4.2X
GKN 16.01 128 P 14 57.00 -5.8X
0.4s 21.00nm 4.6mb
KKN 16.56 127 P 15 03.40 -6.4X
0.6s 18.00nm 4.4mb
DMN 16.58 128 P 15 05.00 -5.1X
PKI 16.79 127 P 15 07.20 -5.7X
HYB 22.47 159 eP 16 17.50 1.6
GTA 22.76 79 eP 16 18.00 -0.8
1.0s 9.00nm 4.2mb
HFS 40.99 320 eP 18 58.90 -0.2
0.4s 5.10nm 4.6mb
Z 16s 0.05um 3.4MszX
LR 34 56.00
GEC2 41.26 303 P 19 00.70 -0.9
0.5s 0.36nm 3.3mb X
NB2 42.28 322 P 19 09.20 -0.5
0.5s 1.10nm 3.8mb
LPG 46.58 300 eP 19 46.70 1.9
0.4s 1.30nm 4.2mb
LPL 46.59 300 eP 19 45.60 0.8
0.5s 3.30nm 4.5mb
LOR 48.04 303 eP 19 57.10 1.2
0.7s 1.30nm 4.1mb
SMF 48.22 302 eP 19 56.70 -0.6
AVF 48.50 302 eP 19 58.80 -0.7
0.5s 1.40nm 4.2mb
MAF 49.19 302 eP 20 04.70 -0.1
0.9s 3.75nm 4.4mb
MBC 65.05 3 eP 21 56.00 -0.7
WRA 83.59 122 P 23 44.20 -0.2
0.4s 2.00nm 4.6mb
WB2 83.60 122 iPd 23 43.90 -0.5
0.4s 6.20nm 5.1mb
S.D. = 1.0 on 17 of 22 obs.

? JUN 26, 1992 22h 35m 33.87± 1.26s
50.091 N ±31.3km 19.094 E ± 8.1km
DEPTH = 10.0km (geophysicist)

26d 22h

POLAND (548)
ML 3.2 (WAR).

OJC 0.47 74 iPgc 35 43.50 0.1
iSg 35 50.00
RAC 0.58 270 iP 35 46.10 0.5
iS 35 54.50
KSP 1.94 294 ePn 36 07.00 -0.2
0.8s 80.00nm
iPg 36 10.80
i 36 29.10
iSg 36 36.70
PRU 2.94 270 Pg 36 30.00 8.6X
e 37 05.50
Sg 37 13.50
BRG 3.38 285 ePg 36 35.00 7.3X
iSg 37 20.00
KHC 3.71 257 Pn 36 32.20 -0.3
Pg 36 44.00
eSn 37 14.00
Sg 37 30.20
KBA 4.86 234 eP 37 06.00 17.1X
e(Sn) 38 07.00
S.D. = 0.6 on 4 of 7 obs.

? JUN 26, 1992 23h 11m 02.63± 1.01s
51.472 N ±21.7km 172.937 W ±14.3km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK 2.37 281 ePc 11 39.69 -0.3
e(S) 12 07.01
HFS 68.62 356 eP 22 03.50 -0.4
0.4s 0.70nm 4.1mb
GUN 75.17 296 P 22 44.20 0.4
0.4s 11.00nm 5.2mb
KKN 75.60 296 P 22 46.60 0.5
PKI 75.70 296 P 22 47.00 0.2
GKN 75.79 297 P 22 47.20 0.1
DMN 75.84 296 P 22 47.20 -0.3
GEC2 79.90 356 P 23 09.20 -0.1
0.8s 0.87nm 3.8mb
GEC2 79.90 356 P 23 19.20 9.9X
ASPA 88.14 227 eP 23 50.80 -0.3
S.D. = 0.4 on 9 of 10 obs.

* JUN 27, 1992 00h 36m 36.78± 0.55s
34.310 N ± 9.7km 141.392 E ±11.5km
DEPTH = 38.1km (3 depth phases)
4.5mb (10 obs.) 4.2Msz (1 obs.)
OFF EAST COAST OF HONSHU, JAPAN (229)

MAT 3.42 311 (P) 37 29.00 0.0
eS 38 03.00
CN2 15.57 312 eP 40 15.20 0.1
1.0s 6.10nm 3.7mb
Z 16s 0.82um 4.7Msz
N 10s 0.35um
E 10s 0.27um
BJI 20.86 293 eP 41 17.00 -0.7
Z 16s 0.35um 3.8MszX
GUA 20.92 170 eP 41 35.50 16.9X
1.0s 224.00nm
TIY 23.63 287 eP 41 45.40 0.1
Z 20s 0.75um 4.2Msz
HHC 24.45 294 eP 41 55.40 2.1
XAN 26.81 279 eP 42 13.00 -2.3
YAK 28.71 349 eP 42 30.10 -2.0
0.9s 26.00nm 4.9mb
WMO 42.11 300 P 44 28.80 1.9
0.6s 14.00nm 4.9mb
WB2 54.37 188 Pc 46 02.20 0.1
0.8s 5.20nm 4.6mb
i 46 39.60 163kmX
WRA 54.37 188 P 46 02.70 0.6
0.6s 2.10nm 4.3mb
ASPA 58.09 188 eP 46 28.10 -0.6
0.7s 7.10nm 4.9mb
HYB 58.15 270 eP 46 28.50 -0.9
MBC 59.14 16 eP 46 35.50 0.0
QUE 61.77 289 eP 46 53.00 -1.3
YKA 66.18 30 eP 47 21.60 -0.7
0.9s 1.80nm 4.1mb
NUR 72.35 332 eP 48 00.00 -0.2
UPP 75.39 334 iP 48 17.40 -0.5
HFS 76.56 336 eP 48 24.60 0.1
0.5s 3.10nm 4.6mb
Z 16s 0.10um 4.2MszX
LR 23 12.00
NB2 76.69 338 P 48 24.80 -0.5
0.9s 5.50nm 4.6mb
MOZ 78.80 154 P 48 57.90 20.9X
NOZ 80.12 152 eP 48 44.10 0.0
OJC 81.29 326 eP 48 51.10 0.8
BRG 83.38 330 e(P) 49 02.20 1.1
CLL 83.45 330 eP 49 01.00 -0.4
PRU 83.79 329 eP 49 04.50 1.2
e 49 15.50 35km
MOX 84.52 331 eP 49 08.00 1.1
e 49 20.40 41km
KHC 84.85 329 P 49 10.00 1.3
GEC2 85.02 328 PKP 49 07.50 -2.0
0.9s 1.78nm 4.2mb
GRF 85.42 330 eP 49 13.10 1.7
e 49 24.80 38km
ZOBO 148.01 63 PKP 56 22.20 4.4X
LPB 148.19 64 PKP 56 23.90 6.1X
CNCB 148.45 64 iPKPc 56 24.00 5.6X
SIV 152.79 53 (PKP) 56 42.00 17.8X
S.D. = 1.2 on 28 of 34 obs.

& JUN 27, 1992 01h 21m 01.20s
68.816 N 96.951 W
DEPTH = 18.0km (geophysicist)
4.3mb (24 obs.) 3.7Msz (1 obs.)
NORTHWEST TERRITORIES, CANADA (679)
<OTT-P>. mbLg 4.6 (OTT). Felt at
Gjoa Haven.

YKA 9.63 237 P 23 17.30 -4.4
S 24 56.30
MBC 9.95 328 P 23 25.00 -1.2
1.0s 46.80nm 5.8mb X
FCC 10.17 172 P 23 26.09 -3.1
S 25 11.03
FRB 12.42 100 P 23 56.11 -3.6
S 26 03.07
INK 13.26 285 P 24 09.36 -1.4
S 26 24.11
BDBC 17.05 235 P 24 57.00 -2.9
DWY 17.34 275 P 25 01.76 -1.7
EDM 17.44 215 P 25 02.32 -2.4
ULM 18.63 178 P 25 17.05 -2.4
MNB 19.53 222 P 25 29.10 -1.4
SES 19.71 208 P 25 33.00 0.8
0.9s 14.00nm 4.3mb
BALM 20.28 270 eP 25 41.06 2.9
TOA 20.97 276 eP 25 48.90 3.7
IMA 21.27 290 eP 25 50.64 2.4
0.4s 5.27nm 4.3mb
KLU 21.27 274 iPd 25 51.35 3.0
PMR 22.37 277 eP 26 02.55 3.4
0.8s 10.05nm 4.3mb
PNT 22.49 221 P 26 03.00 2.4
0.9s 4.20nm 3.9mb
MNO 22.82 129 P 26 14.43 10.6
NEW 22.92 216 eP 26 07.59 2.8
0.8s 32.50nm 4.9mb
DPW 23.52 218 eP 26 14.24 3.5
TTA 23.95 285 eP 26 17.54 2.8
0.6s 2.45nm 3.9mb
EEO 24.00 149 P 26 26.83 11.6
GRO 24.69 144 P 26 31.58 9.7
RMW 24.76 223 eP 26 24.23 1.6
RSSD 25.03 192 ePd 26 28.20 2.7
0.8s 19.03nm 4.8mb
DPQ 25.32 139 P 26 31.05 3.2
BMW 26.03 224 eP 26 36.79 2.2
BW06 26.93 201 eP 26 45.20 2.1
0.7s 5.17nm 4.3mb
LMN 28.19 128 eP 27 13.00 18.7
DAU 29.48 203 eP 27 08.17 1.9
GOL 29.53 193 eP 27 07.37 0.7
0.7s 5.91nm 4.5mb
DUG 29.92 205 eP 27 11.92 1.9
0.6s 4.45nm 4.5mb
SRU 30.66 201 eP 27 18.35 1.7
CCM 30.98 171 eP 27 19.30 0.2
0.8s 6.99nm 4.6mb
ARUT 32.37 205 eP 27 33.52 1.9
TUL 32.96 178 ePc 27 37.80 1.3
0.6s 25.10nm 5.3mb
Z 20s 0.14um 3.7Msz
LR 40 29.00
BONR 33.05 212 eP 27 39.25 1.6
SIO 33.12 179 eP 27 39.00 1.1
VVO 33.54 178 ePc 27 42.80 1.3
ARN 34.29 216 eP 27 50.50 2.4
KEV 36.61 29 eP 28 07.00 -0.4
EKA 41.34 60 P 28 59.00 12.2
1.0s 5.40nm
HFS 42.07 44 eP 28 53.40 0.7
0.5s 5.80nm 4.6mb
KAF 43.24 35 iP 29 03.60 1.3
0.4s 4.30nm 4.6mb
UPP 43.28 42 iP 29 03.90 1.2
NUR 44.33 37 iP 29 12.00 0.9
0.4s 2.80nm 4.5mb
MFF 49.83 64 eP 29 55.60 1.1
0.6s 1.55nm 4.2mb
LOR 50.53 60 eP 30 00.80 1.0
0.5s 0.85nm 4.0mb
SSF 50.60 60 eP 30 01.30 1.0
0.6s 1.70nm 4.2mb
AVF 50.79 61 eP 30 02.50 0.7
0.6s 1.25nm 4.0mb
LBF 50.81 60 eP 30 03.00 0.9
BGF 50.83 61 eP 30 02.90 0.7
0.5s 1.15nm 4.1mb
TCF 50.87 62 eP 30 03.30 0.8
0.7s 3.95nm 4.5mb
SMF 51.07 60 eP 30 04.60 0.6
0.5s 1.00nm 4.0mb
OBN 51.80 32 iPd 30 10.00 0.7
1.0s 17.00nm 4.9mb
i 30 20.00
i 30 25.00
GEC2 52.07 52 P 30 09.90 -1.7
1.0s 1.28nm 3.8mb
GKN 83.46 359 P 33 29.30 0.6
GUN 83.54 357 P 33 29.60 0.2
KKN 83.67 358 P 33 30.20 0.4
DMN 83.85 358 P 33 31.80 1.0
PKI 83.89 358 P 33 31.10 0.0
61 obs. associated

JUN 27, 1992 02h 13m 18.34± 0.23s
35.148 N ± 4.3km 81.079 E ± 3.9km
DEPTH = 33.0km (normal)
4.5mb (36 obs.) 4.6Msz (7 obs.)
SOUTHERN XINJIANG, CHINA (321)

KSH 5.92 318 Pn 14 49.00 2.9X
0.6s 110.00nm 5.7mb X
Z 12s 24.60um 3.8MszX
Sn 15 52.50
NDI 7.23 208 eP 15 07.50 3.1X
eS 16 32.50
GKN 7.74 156 P 15 11.60 -0.1
KKN 8.16 153 P 15 16.40 -1.3
DMN 8.27 154 P 15 18.80 -0.3
GUN 8.30 149 P 15 19.30 -0.3
PKI 8.41 153 P 15 20.60 -0.6
TLG 8.60 342 iP 15 23.50 0.0
e 16 55.00
FRU 9.17 329 iPc 15 32.40 1.0
1.6s 160.00nm 6.0mb X
(S) 17 22.00
GAR 9.42 297 eP 15 34.00 -0.9
iPg 16 10.00
iSn 17 20.00
iLg 18 06.00
i 18 26.00
WMO 10.05 29 P 15 41.50 -2.1
Z 11s 3.95um
N 10s 4.05um
S 17 32.00
LSA 10.09 120 P 15 47.40 2.9X
QUE 12.89 251 eP 16 21.10 -0.9
eS 18 42.10
GTA 15.51 69 eP 16 57.50 1.2
Z 10s 4.17um
pP 17 00.50
MAIO 17.56 280 eP 17 25.00 2.7X
eS 20 49.00
POO 17.75 203 iPc 17 24.80 0.2
BOM 17.77 206 eP 17 18.00 -6.8X
eS 21 16.00
HYB 17.80 188 eP 17 22.00 -3.3X
LZH 18.53 80 eP 17 32.50 -1.8

2.0s 46.00nm 4.3mb
Z 22s 1.22um 4.2MszX
pP 17 40.00
sP 17 45.00
PP 17 48.00
eS 20 53.00
sS 21 06.00
CD2 19.47 96 eP 17 44.60 -0.8
Z 11s 3.56um
KMI 21.19 112 Pc 18 03.00 -0.5
Z 12s 1.00um 4.4MszX
pP 18 12.00 33kmX
MOY 21.84 35 eP 18 08.40 -1.2
ZAK 22.18 40 eP 18 13.80 0.9
1.6s 19.00nm 4.3mb
Z 11s 0.78um 4.4MszX
CHG 22.70 131 eP 18 19.00 0.6
XAN 22.92 85 P 18 23.40 2.9X
N 12s 1.55um
E 10s 0.87um
S 22 26.00
BTO 23.43 68 eP 18 26.50 1.1
N 12s 0.69um
E 11s 0.80um
pP 18 32.00 20kmX
GYA 23.57 105 P 18 29.20 2.3
Z 12s 4.81um 5.2MszX
IRK 23.81 37 ePc 18 30.80 1.9
3.0s 165.00nm 5.0mb
E 13s 0.58um
e 18 56.50
HHC 24.61 68 eP 18 39.20 2.3
Z 19s 1.72um 4.6Msz
N 10s 0.51um
SHI 24.68 265 eP 18 40.00 2.3
BAK 25.12 291 eP 18 35.00 -6.6X
TIY 25.30 75 eP 18 43.60 0.2
Z 12s 2.89um 5.0MszX
N 14s 1.94um
SVE 25.71 334 eP 18 49.00 2.0
Z 14s 2.10um 4.8MszX
N 14s 1.60um
E 14s 1.50um
e 19 02.00
ePPP 19 44.00
eS 23 21.00
SHE 26.09 292 eP 18 54.00 3.3X
0.6s 40.00nm 5.2mb
ARU 26.19 331 eP 18 52.00 0.6
Z 14s 2.00um 4.8MszX
E 12s 2.00um
e 19 43.00
eS 23 28.00
GRS 27.86 289 eP 19 20.00 12.9X
BJI 28.12 69 eP 19 09.00 -0.1
Z 20s 0.60um 4.2Msz
N 12s 0.62um
GRO 28.44 297 eP 19 18.00 6.0X
BOD 31.64 34 eP 19 39.10 -1.2
NRI 34.53 4 eP 20 05.00 -0.2
e 20 10.00
CN2 34.97 62 eP 20 09.60 0.3
0.8s 3.00nm 4.3mb
Z 16s 1.00um 4.7MszX
N 10s 0.53um
E 10s 0.43um
epP 20 19.50 34kmX
MOS 35.99 319 eP 20 21.00 3.2X
e 20 27.00
OBN 36.39 317 eP 20 22.00 0.9
2.0s 64.00nm 5.2mb
Z 12s 1.20um 4.9MszX
E 11s 1.00um
e 20 33.00
e 21 50.80
eS 26 00.00
MDJ 37.92 61 eP 20 34.60 0.4
YAK 40.47 33 eP 20 53.30 -1.8
1.1s 20.00nm 4.8mb
MNK 41.38 314 eP 21 02.00 -0.7
Z 16s 1.50um 5.0MszX
KAF 43.28 326 iP 21 21.70 3.6X
0.8s 7.20nm 4.5mb
NUR 43.76 323 iP 21 23.00 1.0
0.9s 12.80nm 4.7mb
KEV 45.20 337 eP 21 34.00 0.5
OJC 46.20 309 eP 21 45.50 3.8X

e 21 50.60
UPP 47.19 322 iP 21 51.40 2.1
KSP 48.35 310 eP 21 57.00 -1.6
HFS 49.17 322 eP 22 04.50 -0.2
1.3s 19.70nm 5.0mb
Z 18s 0.83um 4.8Msz
LR 42 15.00
PRU 49.58 309 eP 22 09.00 0.9
Z 15s 1.70um 5.2MszX
N 16s 0.30um
E 16s 1.30um
e 22 32.50
e 33 20.00
BRG 49.82 310 eP 22 10.60 0.7
GEC2 50.32 308 P 22 11.70 -2.2
0.9s 2.54nm 4.2mb
CLL 50.34 311 eP 22 14.00 0.2
KHC 50.35 308 P 22 15.30 1.3
Z 13s 1.30um 5.1MszX
N82 50.36 324 P 22 13.40 -0.5
0.8s 4.80nm 4.6mb
MOX 51.32 310 eP 22 24.30 3.0X
Z 18s 1.40um 5.0Msz
N 21s 0.90um
S 29 37.00
e 33 19.00
GRF 51.75 309 eP 22 25.00 0.4
Z 17s 2.00um 5.2MszX
CDF 54.57 308 eP 22 45.10 -0.5
1.3s 6.15nm 4.5mb
BSF 55.04 308 eP 22 48.60 -0.5
0.9s 8.50nm 4.8mb
HAU 55.28 308 eP 22 50.20 -0.5
0.9s 3.30nm 4.4mb
Z 20s 0.20um 4.2Msz
LPG 55.73 305 eP 22 54.20 -0.1
0.7s 4.30nm 4.6mb
LPL 55.74 305 eP 22 54.10 -0.2
0.8s 11.15nm 4.9mb
LOR 57.10 308 eP 23 03.60 -0.2
0.9s 2.60nm 4.3mb
Z 19s 0.70um 4.8Msz
LBF 57.12 307 eP 23 02.70 -1.2
1.0s 2.80nm 4.3mb
SMF 57.31 307 eP 23 04.30 -0.9
1.1s 8.30nm 4.7mb
SSF 57.40 308 eP 23 04.80 -1.0
1.0s 4.00nm 4.4mb
AVF 57.58 307 eP 23 06.30 -0.8
1.1s 5.35nm 4.5mb
BGF 57.99 307 eP 23 09.20 -0.7
1.0s 3.80nm 4.4mb
MAF 58.28 307 eP 23 11.70 -0.3
0.9s 3.10nm 4.4mb
EKA 58.85 318 P 23 18.00 2.2
0.8s 3.10nm 4.5mb
CAF 59.05 306 eP 23 17.20 -0.2
1.1s 2.20nm 4.2mb
LDF 59.22 310 eP 23 17.60 -0.9
0.8s 4.85nm 4.7mb
GRR 59.75 310 eP 23 21.20 -0.9
1.3s 16.95nm 5.0mb
MFF 59.92 308 eP 23 22.40 -0.9
1.1s 7.35nm 4.7mb
ILT 61.61 25 eP 23 32.00 -2.5
i 23 44.00
BCAO 65.12 257 iPc 23 59.00 0.6
0.9s 18.00nm 5.2mb
MBC 68.12 5 eP 24 16.50 0.0
BUL 74.16 231 iPd 24 55.00 1.3
1.0s 5.00nm 4.5mb
WRA 74.52 129 P 24 55.80 0.1
0.7s 1.80nm 4.2mb
WB2 74.53 129 eP 24 55.20 -0.5
0.5s 4.50nm 4.7mb
ASPA 76.98 131 iPc 25 09.70 0.2
1.7s 8.20nm 4.5mb
YKA 81.88 7 eP 25 34.90 -0.4
1.2s 4.30nm 4.4mb
CTA 82.66 121 eP 25 40.90 0.9
0.6s 27.00nm 5.5mb
KIC 82.97 273 P 25 42.80 1.0
ZOBO 146.70 296 PKP 32 57.00 -0.9
Z 22s 0.08um 4.5Msz
LR 58 04.00
LPB 146.83 296 PKP 33 03.00 5.2X
CNCB 146.92 296 PKP 32 59.80 1.6

ARE 149.24 300 ePKP 33 08.00 6.5X
S.D. = 1.1 on 75 of 92 obs.

JUN 27, 1992 02h 31m 36.43± 0.30s
44.713 N ± 2.5km 6.874 E ± 3.8km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.7 (GEN), 2.4 (LDG).

FOUF 0.20 200 iPg 31 39.50 -1.2
RRL 0.22 343 P 31 40.95 -0.3
S 31 44.85
PZZ 0.26 142 P 31 41.87 -0.2
S 31 46.90
DOI 0.34 128 P 31 42.00 -1.5
eSg 31 49.00
BNI 0.37 337 P 31 43.00 -1.0
eSg 31 48.50
RSP 0.52 32 P 31 47.10 0.2
S 31 55.31
STV 0.57 145 P 31 47.21 -0.8
S 31 55.92
ENR 0.62 141 P 31 48.33 -0.7
S 31 57.05
LSD 0.77 15 P 31 51.31 -0.3
S 32 02.89
LPG 0.79 354 Pg 31 51.70 -0.3
Sg 32 03.90
LPL 0.81 353 Pg 31 52.00 -0.3
Sg 32 05.00
ROB 0.83 120 P 31 52.74 0.3
SBF 0.94 154 Pg 31 55.70 1.3
FIN 1.08 117 P 31 57.15 0.4
S 32 11.75
IMI 1.08 137 P 31 57.25 0.4
S 32 11.98
FRF 1.16 188 Pg 31 58.30 0.1
Sg 32 16.20
PCP 1.21 98 P 31 59.61 0.7
S 32 16.49
LRG 1.31 197 Pg 32 00.60 -0.1
Sg 32 20.10
LMR 1.40 191 Pg 32 02.80 0.8
Sg 32 21.40
PGF 2.66 144 Pn 32 20.70 0.5
LBF 3.04 319 Pn 32 26.40 0.9
LOR 3.31 322 Pn 32 29.90 0.6
HAU 3.31 354 Pn 32 29.80 0.4
BGF 3.37 305 Pn 32 30.40 0.2
S.D. = 0.7 on 24 of 24 obs.

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* JUN 27, 1992 03h 25m 45.37± 1.46s
6.162 S ±15.7km 147.313 E ±16.2km
DEPTH = 116.4 ± 9.9 km
4.4mb (3 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 0.58 212 iPc 26 02.90 -0.8
FINC 0.70 130 ePd 26 05.70 1.1
YYYY 1.34 267 eP 26 11.30 0.1
MDG 1.77 301 ePd 26 15.10 -1.2
PMG 3.23 183 iPc 26 35.20 -0.1
MNDI 3.63 270 eP 26 42.00 1.0
WWKK 4.46 304 eP 26 52.30 0.2
WB2 18.61 221 eP 29 56.10 -0.5
0.5s 7.00nm 4.2mb
RMQ 20.26 176 iPd 30 12.50 -1.3
0.4s 16.00nm 4.7mb
ASPA 21.67 215 eP 30 29.30 1.4
0.3s 5.30nm 4.4mb
S.D. = 1.2 on 10 of 10 obs.

? JUN 27, 1992 03h 25m 47.37± 1.77s
15.924 S ±30.1km 168.231 E ±20.2km
DEPTH = 260.3 ± 18.4 km
4.9mb (4 obs.)
VANUATU ISLANDS (186)

BKM 1.73 180 iPc 26 29.00 0.2
iS 27 02.00
DZM 6.34 195 iPd 27 20.00 -0.7
iS 28 33.70
ARMA 20.96 224 iPd 30 12.80 1.4
0.4s 16.00nm 4.9mb
CTA 21.30 256 eP 30 16.30 1.7
0.7s 41.44nm 5.0mb
QLP 24.71 241 iPc 30 47.00 0.2

27d 03h

0.4s 53.00nm 5.4mb X
i 30 49.00
CMS 25.63 229 iPd 30 54.70 -0.4
0.5s 12.00nm 4.7mb
WB2 32.45 258 iPb 31 54.20 -1.3
0.2s 11.30nm 5.1mb
ASPA 33.14 251 eP 32 00.20 -1.3
0.4s 107.00nm 5.8mb X
ITR 143.97 131 (PKP) 44 49.00 -5.3X
CDF 144.02 338 ePKP 44 50.80 -2.7X
0.8s 3.65nm
BSF 144.69 338 ePKP 44 52.60 -2.0
0.6s 1.45nm
HAU 144.70 339 ePKP 44 52.80 -1.7
0.7s 4.85nm
FLN 145.97 347 ePKP 44 56.30 -0.3
0.5s 1.70nm
LDF 146.05 346 ePKP 44 56.50 -0.2
0.7s 3.10nm
LOR 146.17 341 ePKP 44 57.20 0.2
0.5s 1.70nm
GRR 146.41 347 ePKP 44 57.80 0.5
0.7s 3.00nm
SSF 146.46 341 ePKP 44 58.20 0.7
0.6s 2.25nm
LPL 146.66 336 ePKP 44 59.30 1.2
0.6s 1.55nm
LPG 146.66 336 ePKP 44 59.30 1.1
0.6s 1.45nm
LPF 146.78 347 ePKP 44 58.80 0.9
0.5s 2.25nm
LFF 149.21 343 ePKP 45 05.40 3.5X
0.7s 2.45nm
LPO 149.31 342 ePKP 45 05.50 3.5X
0.5s 1.40nm
S.D. = 1.2 on 18 of 22 obs.

JUN 27, 1992 05h 15m 32.97± 0.54s
44.684 N ± 4.9km 11.551 E ± 6.4km
DEPTH = 22.4 ± 6.6 km
NORTHERN ITALY (545)
ML 2.8 (LDG).

SFI 0.79 164 P 15 47.60 -0.3
eSg 15 59.40
PGD 0.82 171 P 15 48.00 -0.5
eSn 16 00.00
BDI 0.92 228 P 15 52.20 1.9
eSn 16 08.20
SAL 1.17 322 P 15 55.30 1.3
eSn 16 12.50
PII 1.21 218 P 15 56.30 1.7
eSn 16 14.40
CTI 1.37 3 P 15 56.40 -0.5
eSn 16 16.10
BOB 1.50 274 P 16 00.20 1.4
eSn 16 23.20
ARV 1.55 139 P 15 59.00 -0.5
eSn 16 20.00
ASS 1.80 153 P 16 03.50 0.4
eSn 16 25.00
VOY 2.13 50 e(Pn) 16 09.80 1.8
eSn 16 40.50
WTTA 2.58 1 iPnc 16 16.10 1.7
i 16 20.00
iSg 16 55.20
KBA 2.70 27 e(Pn) 16 18.00 1.9
i 16 25.40
e(Sn) 16 49.00
i 16 58.10
PGF 2.83 222 Pn 16 18.60 0.8
SBF 3.07 256 Pn 16 23.20 2.0
Sn 16 58.70
LPG 3.50 285 Pn 16 28.50 1.0
LPL 3.51 285 Pn 16 28.90 1.2
FRF 3.71 254 Pn 16 30.20 0.0
Sn 17 12.70
LMR 3.88 251 Pn 16 31.20 -1.4
Sn 17 15.80
LRG 3.94 254 Pn 16 32.60 -0.8
FEL 4.03 324 ePn 16 34.59 -0.2
BSF 4.56 315 Pn 16 41.50 -1.0
Sn 17 32.30
CDF 4.75 323 Pn 16 44.00 -1.2
Sn 17 37.80
HAU 4.90 315 Pn 16 45.90 -1.2
Sn 17 40.90
SMF 5.75 293 Pn 16 57.90 -1.2
Sn 18 00.30
LBF 5.77 296 Pn 16 57.90 -1.6
Sn 18 01.50
LOR 5.95 298 Pn 17 00.40 -1.6
Sn 18 06.20
SSF 6.10 296 Pn 17 02.30 -1.7
AVF 6.11 293 Pn 17 02.80 -1.4
CAF 6.75 275 Pg 17 18.80 5.5X
Sg 17 46.00
RJF 7.14 279 Pg 17 18.20 -0.5
Sg 17 44.90
S.D. = 1.4 on 29 of 30 obs.

? JUN 27, 1992 06h 26m 28.08± 1.19s
12.495 N ±19.1km 89.564 W ±26.4km
DEPTH = 33.0km (normal)
4.4mb (2 obs.)
OFF COAST OF CENTRAL AMERICA (76)

VVO 23.42 347 eP 31 35.40 0.3
FNO 23.75 344 iPc 31 39.10 0.8
TUL 23.98 347 eP 31 40.40 -0.2
0.2s 2.60nm 4.4mb
OCO 24.02 344 iPc 31 41.50 0.6
ACO 25.59 342 iPc 31 56.20 0.2
EEO 35.17 13 eP 33 20.50 -0.4
ULM 38.00 353 ePd 33 44.50 -0.2
LMN 39.32 28 eP 33 56.50 0.7
SIV 39.94 134 P 34 02.00 0.7
SES 41.68 339 eP 34 16.00 0.8
FCC 46.30 357 eP 34 52.50 0.3
YKA 53.04 346 eP 35 42.20 -1.8
0.9s 3.80nm 4.4mb
MBC 65.70 353 eP 37 10.00 -1.1
KIC 83.61 85 P 38 54.50 -0.7
WRA 137.29 254 PKP 46 01.50 10.6X
0.6s 0.40nm
HYB 148.05 22 ePKP 46 13.50 4.0X
S.D. = 0.8 on 14 of 16 obs.

% JUN 27, 1992 07h 09m 42.07± 3.14s
33.798 S ± 8.4km 70.034 W ±21.7km
DEPTH = 10.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.6 (SAN).

PCH 0.44 294 iPd 09 51.30 0.3
iS 09 57.50
FCH 0.52 335 iPd 09 52.70 0.1
iS 09 59.80
CHCH 0.53 255 iPd 09 53.00 0.2
iS 10 00.30
CACH 0.57 236 iPd 09 53.80 0.1
iS 10 01.90
SAN 0.63 303 iPd 09 54.40 -0.3
iS 10 03.10
TACH 0.77 281 iPd 09 56.90 -0.1
iS 10 07.40
PEL 0.85 320 iPd 09 58.50 0.0
iS 10 09.90
LNV 1.16 262 iP 10 03.40 -0.3
iS 10 18.70
S.D. = 0.2 on 8 of 8 obs.

& JUN 27, 1992 09h 33m 43.04s
65.556 N 148.193 W
DEPTH = 7.1km
NORTHERN ALASKA (676)
<AEIC>. ML 3.3 (AEIC), 3.8
(PMR).

GLM 0.66 149 iPd 33 55.67 -0.7
FBA 0.68 165 iP 33 55.70 -1.0
CCB 0.93 170 iPc 34 00.42 -0.6
NEA 1.05 201 ePc 34 02.89 -0.3
WRH 1.09 178 ePd 34 03.65 -0.1
PRP 1.11 91 iPc 34 04.26 0.0
MLY 1.19 245 iPc 34 05.33 -0.3
HDA 1.27 155 iPd 34 06.71 -0.2
MCK 1.86 190 ePc 34 15.32 -0.3
S 34 39.16
DJE 1.87 144 ePd 34 15.08 -0.7
S 34 40.47
RND 2.18 188 ePd 34 19.85 -0.4
eS 34 49.10
IMA 2.32 285 ePn 34 21.73 -0.6
iS 34 55.41
KTH 2.33 212 ePc 34 21.28 -1.2
THY 2.39 153 eP 34 22.99 -0.3
DOT 2.61 135 P 34 26.10 -0.3
HUR 2.66 194 eP 34 27.26 0.1
PAX 2.85 154 eP 34 29.29 -0.6
TMW 3.18 132 eP 34 33.68 -0.7
SDG 3.26 158 ePd 34 35.30 -0.2
CUT 3.29 197 eP 34 35.86 -0.2
TOA 3.58 165 P 34 41.20 1.1
TZL 3.73 160 eP 34 42.23 -0.1
SCM 3.76 174 eP 34 42.59 -0.1
SML 3.76 181 ePd 34 41.67 -1.1
GHO 3.81 185 ePd 34 42.59 -0.9
SKT 3.88 204 ePd 34 43.53 -0.9
PWA 3.99 192 P 34 45.20 -0.7
PMR 4.00 186 iPd 34 44.84 -1.2
KNK 4.16 182 ePd 34 47.90 -0.4
KLU 4.20 165 ePd 34 49.42 0.4
SUA 4.26 197 eP 34 49.58 -0.3
TTA 4.31 236 (P) 34 49.73 -0.8
PMS 4.37 189 P 34 51.70 0.3
VLZ 4.52 168 eP 34 53.08 -0.3
NCG 4.53 205 eP 34 52.38 -1.3
GLB 4.57 153 eP 34 54.85 0.6
CGLM 4.60 204 eP 34 54.47 -0.1
BGL 4.70 206 eP 34 55.65 -0.5
SPU 4.72 203 eP 34 55.71 -0.7
PTE 4.73 185 eP 34 56.57 0.2
BKG 4.86 204 eP 34 57.27 -1.1
CVA 5.15 166 eP 35 02.59 0.3
SLKM 5.15 191 P 35 02.20 -0.2
HIN 5.24 171 eP 35 03.19 -0.4
BALM 5.25 147 ePn 35 03.38 -0.4
DFR 5.38 204 P 35 06.50 0.7
TGL 5.40 151 eP 35 05.74 -0.2
REF 5.48 204 eP 35 05.97 -1.3
SEW 5.50 187 eP 35 06.62 -0.7
SVW 5.58 220 (P) 35 08.46 0.0
0.7s 17.02nm 4.8mb X
50 obs. associated

& JUN 27, 1992 09h 40m 25.35s
65.522 N 148.179 W
DEPTH = 10.7km
NORTHERN ALASKA (676)
<AEIC>. ML 3.2 (AEIC), 3.6
(PMR).

GLM 0.63 148 iPd 40 37.35 -0.7
FBA 0.65 165 iPd 40 37.45 -0.8
CCB 0.89 170 iPc 40 42.12 -0.3
NEA 1.02 202 ePc 40 44.57 0.0
S 40 57.50
WRH 1.06 178 ePd 40 45.29 0.1
eS 40 58.69
PRP 1.11 89 ePc 40 46.01 -0.1
S 40 59.46
MLY 1.18 247 ePc 40 47.04 -0.4
S 41 03.77
HDA 1.24 155 iPd 40 48.46 0.2
MCK 1.83 191 ePc 40 57.04 0.1
S 41 19.76
DJE 1.84 143 eP 40 56.68 -0.5
RND 2.14 188 ePd 41 01.38 -0.3
S 41 29.53
KTH 2.31 212 ePd 41 02.74 -1.2
IMA 2.33 286 ePn 41 03.60 -0.8
iS 41 37.10
THY 2.36 152 P 41 04.30 -0.4
HUR 2.63 195 eP 41 09.11 0.6
PAX 2.82 154 ePd 41 11.00 -0.3
TMW 3.15 132 eP 41 15.42 -0.4
SDG 3.22 158 ePd 41 17.04 0.1
CUT 3.26 197 eP 41 16.64 -0.8
TOA 3.54 165 P 41 23.20 1.7
TZL 3.70 159 eP 41 23.44 -0.2
SCM 3.72 174 eP 41 24.58 0.5
SML 3.73 181 eP 41 23.40 -0.8
GHO 3.78 185 ePd 41 24.29 -0.6
SKT 3.85 204 ePd 41 25.35 -0.5
PWA 3.96 192 P 41 27.20 -0.1
PMR 3.97 187 iP 41 26.67 -0.7
KNK 4.13 182 eP 41 29.56 -0.2
KLU 4.17 165 eP 41 29.98 -0.4
SUA 4.23 197 eP 41 31.64 0.3
TTA 4.30 236 P 41 32.00 -0.2

PMS 4.34 189 P 41 33.20 0.4
VLZ 4.49 168 eP 41 34.47 -0.3
NCG 4.50 205 eP 41 34.33 -0.8
GLB 4.54 152 eP 41 35.33 -0.3
CGLM 4.57 204 eP 41 35.19 -0.8
PTE 4.69 185 eP 41 38.56 0.8
SPU 4.69 204 eP 41 37.44 -0.4
CKL 4.73 205 eP 41 37.88 -0.5
BKG 4.83 204 eP 41 39.16 -0.7
CVA 5.12 166 eP 41 42.60 -1.1
HIN 5.20 171 eP 41 44.47 -0.5
BALM 5.21 147 eP 41 45.32 0.1
TGL 5.36 151 eP 41 46.96 -0.4
REF 5.45 204 eP 41 46.28 -2.4
45 obs. associated

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* JUN 27, 1992 10h 50m 59.41± 1.80s
35.137 N ± 7.5km 13.440 W ±15.6km
DEPTH = 10.0km (geophysicist)
NORTH ATLANTIC OCEAN (402)
MD 3.9 (RBA).

AVE 5.32 108 iPnc 52 21.80 1.0
iSn 53 13.00
i 53 15.00
EVAL 5.93 64 iPnd 52 29.80 0.5
eSn 53 26.50
NKM 6.57 85 iPnd 52 38.00 -0.5
eSn 53 43.00
i 53 47.00
EJIF 6.61 76 iPnd 52 39.50 0.5
eSn 53 45.00
TIO 6.67 127 iPn 52 39.50 -0.5
iSn 53 48.00
EPRU 6.90 72 iPnd 52 43.00 0.0
eSn 53 51.00
EPLA 7.63 48 iPnd 52 53.60 0.2
eSn 54 08.00
EZAM 7.92 27 ePn 52 57.50 0.1
eSn 54 16.90
STS 8.62 25 ePn 53 06.90 -0.2
eSn 54 34.50
ERUA 8.75 32 ePn 53 08.80 -0.1
eSn 54 34.50
GUD 9.17 50 iPnc 53 14.50 -0.3
eSn 54 44.50
EVIA 9.43 65 ePn 53 17.00 -1.4
eSn 54 50.00
EMON 9.54 28 ePn 53 19.90 0.1
eSn 54 56.00
ECHE 10.87 62 ePn 53 38.20 0.0
EPF 13.28 49 Pn 54 11.00 0.4
Sn 56 30.50
LFF 14.60 44 Pn 54 28.10 0.3
LPO 14.71 45 Pn 54 29.00 -0.2
MFF 15.22 37 Pn 54 36.00 0.2
RJF 15.26 44 Pn 54 36.40 -0.1
CAF 15.36 46 Pn 54 37.70 -0.1
LSF 15.85 41 Pn 54 44.00 -0.1
TCF 16.24 42 Pn 54 49.50 0.4
MAF 16.40 43 Pn 54 50.70 -0.4
BGF 16.76 42 Pn 54 55.90 0.3
Sn 57 43.30
S.D. = 0.5 on 24 of 24 obs.

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* JUN 27, 1992 11h 08m 17.87± 1.07s
51.626 N ±10.0km 7.616 E ± 8.0km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 3.2 (LDG), 3.0 (GSH), 2.7
(BNS).

WTS 0.62 307 ePgc 08 30.50 0.1
0.5s 64.00nm
BNS 0.72 203 iPgc 08 32.75 0.8
0.6s 393.00nm
iSg 08 41.75
GSH 1.18 222 ePgd 08 40.20 0.3
eSg 08 57.30
WIT 1.32 334 ePg 08 49.00 6.7X
eSg 09 07.50
ENN 1.37 232 iPgd 08 43.00 0.1
0.5s 33.00nm
e 08 49.50
e 09 02.50
TNS 1.50 159 iPg 08 46.70 1.8
iSg 09 05.00
WLF 2.17 206 P 08 58.00 3.5X
DOU 2.45 233 P 09 25.50 27.0X
MOX 2.70 110 ePn 09 01.00 -1.2
ePg 09 10.30
eSg 09 46.00
CDF 3.22 184 Pn 09 08.30 -1.3
Pg 09 22.10
Sn 09 49.10
Sg 10 03.60
CLL 3.38 93 ePg 09 23.00 11.2X
eSg 10 09.00
BSF 3.84 188 Pn 09 16.80 -1.5
Sg 10 22.00
KHC 4.56 121 eP 09 29.50 1.0
e 10 51.00
PRU 4.69 108 ePg 09 50.00 19.7X
e 10 11.50
e 10 42.00
LOR 5.00 211 Pn 09 31.90 -2.8X
Sn 10 29.90
Sg 10 57.30
LBF 5.22 209 Pn 09 34.00 -3.8X
Sg 11 02.30
SSF 5.30 212 Pn 09 36.70 -2.2X
Sg 11 07.70
SMF 5.57 208 Pn 09 40.60 -2.1X
AVF 5.59 212 Pn 09 39.80 -3.2X
LDF 5.83 242 Pn 09 44.60 -1.8X
Sg 11 23.70
FLN 5.94 244 Pn 09 46.30 -1.6X
Sn 10 50.90
Sg 11 25.70
BGF 5.96 214 Pn 09 45.50 -2.7X
Sg 11 23.40
GRR 6.35 243 Pn 09 51.20 -2.5X
Sn 10 59.00
LPF 6.65 241 Pn 09 55.10 -2.9X
S.D. = 1.3 on 9 of 24 obs.

& JUN 27, 1992 11h 51m 26.11s
61.497 N 146.738 W
DEPTH = 23.8km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

KLU 0.39 90 eP 51 34.17 -0.4
eS 51 40.93
VLZ 0.42 152 iP 51 34.15 -0.7
S 51 40.61
SCM 0.44 320 iP 51 35.02 -0.3
TOA 0.67 24 eP 51 38.16 -0.9
SML 0.82 293 iP 51 39.98 -1.7
eS 51 52.27
KNK 0.83 265 iP 51 40.69 -1.1
eS 51 52.41
TZL 0.83 48 iP 51 40.50 -1.3
S 51 51.74
CVA 1.07 153 iP 51 43.89 -1.7
S 51 59.41
GHO 1.08 286 eP 51 44.04 -1.8
eS 51 59.63
HIN 1.11 174 eP 51 44.51 -1.7
eS 52 00.05
SDG 1.18 28 eP 51 45.36 -1.8
PTE 1.28 241 eP 51 47.15 -1.3
PMS 1.38 261 eP 51 49.41 -0.7
GLB 1.41 91 eP 51 48.19 -2.2
iS 52 06.36
PWA 1.51 277 eP 51 50.66 -1.2
PAX 1.59 21 eP 51 50.61 -2.6
eS 52 12.21
CUT 1.90 300 eP 51 56.60 -0.9
SUA 1.92 271 eP 51 57.17 -0.8
SEW 1.93 225 eP 51 56.85 -1.1
KAIM 1.95 143 eP 51 56.26 -1.9
SLKM 1.97 241 eP 51 57.85 -0.7
TGL 2.04 110 eP 51 57.17 -2.5
MID 2.09 174 eP 51 57.63 -2.6
SKT 2.33 284 eP 52 02.02 -1.7
CGLM 2.54 268 eP 52 04.16 -2.6
TRF 2.56 322 eP 52 05.26 -1.9
SPU 2.58 265 eP 52 06.62 -0.7
CTGM 2.67 99 eP 52 06.40 -2.2
YAH 2.69 113 eP 52 07.29 -1.7
BKG 2.70 263 eP 52 08.50 -0.5
BGL 2.73 268 eP 52 07.91 -1.6
HDA 2.92 358 eP 52 09.44 -2.6
32 obs. associated

JUN 27, 1992 13h 21m 20.90± 0.16s
35.139 N ± 3.5km 81.131 E ± 2.7km
DEPTH = 33.0km (normal)
5.0mb (78 obs.) 4.7Msz (10 obs.)
SOUTHERN XINJIANG, CHINA (321)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 22C
Centroid Location:
Origin Time 13:21:27.2 0.7
Lat 35.18N FIX;Lon 81.12E FIX
Dep 33.0 FIX Half-duration 1.5
Moment Tensor; Scale 10**16 Nm
Mrr=-4.15 0.39 Mtt= 1.21 0.75
Mff= 2.94 0.52 Mrt= 0.44 1.41
Mrf= 2.03 1.05 Mtf= 0.39 0.44
Principal Axes:
T Val= 3.58 Plg=15 Azm=282
N 1.13 0 12
P -4.71 75 102
Best Double Couple:Mo=4.1*10**16
NP1:Strike= 12 Dip=30 Slip= -90
NP2: 192 60 -90
KSH 5.95 318 Pnd 22 51.20 2.1
Z 12s 22.80um
Sn 23 55.00
NDI 7.24 208 eP 23 09.00 1.8
0.6s 60.00nm 5.7mb
eS 24 36.50
PRZ 7.64 345 eP 23 12.50 -0.3
1.0s 100.00nm 5.8mb
eS 24 39.00
GKN 7.72 156 P 23 13.50 -0.4
KKN 8.14 153 P 23 19.20 -0.7
DMN 8.24 155 P 23 21.00 -0.3
GUN 8.27 149 P 23 21.80 0.0
PKI 8.38 153 P 23 22.20 -1.2
TLG 8.62 341 iP 23 26.00 -0.4
FRU 9.20 329 ePc 23 35.00 0.6
e 25 26.00
GAR 9.46 297 eP 23 37.20 -0.9
iPg 24 12.00
iSn 25 18.00
LQ 25 52.00
e 26 20.00
WMO 10.04 28 P 23 43.00 -3.0X
Z 10s 4.82um
N 10s 4.51um
S 25 37.00
LSA 10.05 120 P 23 50.00 3.5X
OUE 12.92 252 eP 24 22.80 -2.3
eS 26 46.01
GTA 15.47 69 eP 24 56.00 -2.4
1.0s 9.00nm 3.9mb X
Z 10s 4.49um 4.7Msz
E 10s 3.61um
pP 25 04.00
MAIO 17.61 280 eP 25 25.00 -0.4
0.8s 16.47nm 4.2mb
eS 28 31.00
POO 17.76 203 iPd 25 30.80 3.5X
HYB 17.80 188 ePd 25 24.30 -3.5X
LZH 18.49 80 eP 25 36.70 0.4
2.0s 60.00nm 4.4mb
Z 16s 1.46um 4.2MszX
pP 25 42.00
sP 25 49.00
PP 25 52.70
eS 28 57.50
sS 29 10.00
CD2 19.43 96 eP 25 47.00 -0.4
1.0s 59.00nm 4.8mb
Z 10s 4.46um 3.4MszX
KAT 20.20 289 iP+ 25 56.50 0.9
iS 29 47.00
KMI 21.15 112 Pc 26 05.60 0.0
1.0s 20.00nm 4.5mb
pP 26 09.20 13kmX
MOY 21.83 35 eP 26 12.40 0.4
1.6s 100.00nm 5.0mb
ZAK 22.16 40 iPd 26 15.00 -0.3
1.7s 63.00nm 4.8mb
CHG 22.66 131 eP 26 21.00 0.4
1.1s 45.25nm 4.9mb

27d 13h

XAN	22.88	85	P	26 22.50	-0.2
	1.2s	21.00nm			4.5mb
BTO	23.39	68	eP	26 29.00	1.4
N	11s	0.83um			
E	11s	0.70um			
GYA	23.53	105	P	26 30.40	1.3
IRK	23.79	37	ePd	26 32.20	0.9
	1.6s	44.00nm			4.7mb
Z	12s	0.50um			4.2MszX
N	13s	1.00um			
			e	26 59.30	
			e	27 16.80	
BDT	23.91	134	eP	26 33.50	0.9
HHC	24.58	67	P	26 40.80	1.7
	1.2s	43.00nm			4.9mb
Z	18s	1.81um			4.6Msz
E	10s	0.72um			
SHI	24.72	265	eP	26 37.00	-3.7X
BAK	25.16	291	eP	26 44.00	-0.5
TIY	25.26	75	eP	26 46.00	0.4
Z	12s	3.01um			5.0MszX
E	11s	1.99um			
KHT	25.64	138	eP	26 50.70	1.5
SVE	25.74	334	iPd	26 50.50	0.7
	1.3s	60.00nm			5.0mb
Z	14s	2.50um			4.9MszX
N	14s	1.50um			
E	14s	1.30um			
SHE	26.14	292	eP	26 56.00	2.4
	0.6s	35.00nm			5.1mb
ARU	26.22	331	eP	26 55.00	0.8
Z	12s	1.50um			4.8MszX
E	12s	2.00um			
			e	27 09.00	
			e	27 38.00	
			ePPP	27 56.00	
			eS	31 30.00	
			e	31 43.00	
GRS	27.91	289	eP	27 13.00	3.0X
			eS	31 59.00	
BJI	28.08	69	eP	27 12.00	0.6
	1.0s	10.00nm			4.5mb
Z	24s	0.70um			4.2MszX
N	12s	0.62um			
GRO	28.48	297	eP	27 18.00	3.1X
CIT	28.62	44	eP	27 16.00	-0.2
MTA	29.05	294	eP	27 22.00	1.9
			e	32 18.00	
TIA	29.16	77	eP	27 21.00	-0.1
Z	18s	2.16um			4.8Msz
NJ2	31.45	85	eP	27 40.00	-1.5
SNY	33.63	66	Pc	28 00.20	-0.1
	1.2s	19.00nm			4.9mb
Z	16s	1.12um			4.7MszX
N	15s	0.86um			
SSE	33.63	85	Pd	28 01.20	0.7
	1.2s	15.00nm			4.8mb
Z	20s	0.60um			4.3Msz
NRI	34.53	4	iPd	28 07.00	-0.8
	1.5s	44.00nm			5.2mb
			e	28 18.00	
			e	29 17.00	
			e	30 45.00	
CN2	34.94	62	Pd	28 11.60	0.0
	1.0s	17.00nm			4.9mb
Z	18s	1.01um			4.6Msz
N	10s	0.53um			
E	10s	0.21um			
			epP	28 16.00	15kmX
			eS	33 38.00	
MOS	36.03	319	eP	28 21.00	0.3
	1.4s	80.00nm			5.5mb
			e	29 37.00	
			e	30 05.00	
OBN	36.42	317	iPc	28 28.00	4.0X
	1.2s	53.00nm			5.3mb
Z	12s	1.00um			4.8MszX
E	12s	0.80um			
			e	29 46.50	
			eS	34 04.00	
MDJ	37.89	61	ePd	28 37.10	0.6
	1.2s	45.00nm			5.2mb
			pP	28 42.10	17kmX
KIS	40.44	303	eP	29 00.00	2.4
Z	12s	1.10um			4.9MszX
N	12s	1.10um			
YAK	40.45	33	eP	28 56.00	-1.5
	1.1s	45.00nm			5.1mb
PUL	40.87	323	ePd	29 05.00	4.1X
	1.2s	110.00nm			5.5mb
Z	14s	1.20um			4.9MszX
N	14s	0.50um			
E	14s	1.00um			
			e	35 13.00	
MNK	41.42	314	eP	29 05.00	-0.5
VRI	41.99	302	eP	29 12.50	2.1
APA	42.23	335	iPc	29 16.90	4.9X
MLR	42.58	301	ePc	29 19.00	3.6X
KAF	43.31	326	iP	29 21.00	0.1
	0.9s	32.20nm			5.1mb
NUR	43.79	323	iP	29 25.50	0.7
	0.8s	29.30nm			5.1mb
UZH	44.75	306	eP	29 33.00	0.2
Z	13s	1.50um			5.1MszX
E	13s	1.50um			
			e	29 38.10	
			e	31 14.80	
KEV	45.23	337	iP	29 37.20	0.9
	0.9s	30.40nm			5.2mb
MAT	45.70	71	eP	29 40.00	-0.5
	1.0s	14.00nm			4.8mb
OJC	46.24	309	eP	29 44.50	0.0
			e	29 45.10	
			e	29 49.00	
YAMJ	46.67	68	eP	29 47.70	-0.4
YSS	46.79	56	eP	29 48.50	-0.4
Z	14s	0.50um			4.6MszX
N	14s	0.40um			
E	14s	0.50um			
UPP	47.22	322	iP	29 51.90	-0.2
SRO	47.50	306	iP	29 55.50	1.0
OFUJ	47.66	66	eP	29 55.50	-0.4
ZST	48.24	306	eP	30 01.30	1.0
KSP	48.39	310	ePc	30 01.90	0.4
HFS	49.20	322	eP	30 06.50	-1.0
	0.7s	8.30nm			4.9mb
Z	17s	0.65um			4.7MszX
			LR	50 25.00	
PRU	49.62	309	eP	30 11.80	0.9
	1.2s	11.50nm			4.8mb
Z	14s	1.40um			5.1MszX
			e	41 17.00	
BRG	49.86	310	iPc	30 13.40	0.7
	1.4s	24.00nm			5.0mb
			i	30 16.60	
GEC2	50.36	308	P	30 11.60	-5.1X
	1.0s	6.18nm			4.6mb
LJU	50.37	304	eP	30 17.50	0.8
CLL	50.38	311	eP	30 16.00	-0.7
	1.2s	21.00nm			5.0mb
Z	18s	1.00um			4.9Msz
KHC	50.39	308	P	30 17.00	0.1
	1.5s	18.00nm			4.9mb
Z	14s	1.00um			5.0MszX
N	12s	0.40um			
E	14s	0.50um			
			e	30 20.80	
			e	33 07.50	
N82	50.39	324	P	30 16.00	-0.7
	0.9s	10.80nm			4.9mb
CEY	50.51	304	eP	30 18.20	0.4
VOY	50.81	304	e(P)	30 18.00	-2.1
WET	50.84	308	eP	30 21.20	1.0
KONO	51.29	322	eP	30 26.60	3.2X
MOX	51.36	310	eP	30 24.50	0.3
	1.7s	23.00nm			4.9mb
Z	18s	1.20um			5.0Msz
N	20s	0.70um			
			e	31 40.00	
GRF	51.79	309	ePd	30 28.30	0.8
	1.4s	34.00nm			5.1mb
Z	17s	1.70um			5.1MszX
			e	30 32.20	
WTS	54.04	313	eP	30 43.00	-1.0
	0.7s	3.00nm			4.4mb
CDF	54.61	308	iPd	30 47.70	-0.8
	1.3s	19.15nm			5.0mb
WLF	55.00	310	P	30 51.00	-0.1
BSF	55.08	308	iPd	30 51.10	-0.8
	1.2s	29.75nm			5.2mb
HAU	55.32	308	iPd	30 52.80	-0.7
	1.0s	12.80nm			4.9mb
Z	19s	0.65um			4.7Msz
LPG	55.77	305	iPd	30 56.80	-0.3
	1.0s	23.80nm			5.2mb
LPL	55.78	305	iPd	30 56.80	-0.3
	1.3s	55.60nm			5.4mb
RSL	55.80	305	P	30 56.38	-0.8
SBF	55.80	303	iPd	30 56.50	-0.6
	1.2s	32.15nm			5.2mb
DOU	55.86	311	Pc	30 58.50	1.2
SNF	55.94	311	P	30 58.00	0.1
FRF	56.44	303	iPd	31 00.80	-0.8
	1.3s	23.10nm			5.0mb
LRG	56.67	303	iPd	31 02.50	-0.7
	1.4s	24.40nm			5.0mb
Z	23s	0.15um			4.0MszX
LOR	57.14	308	iPd	31 05.20	-1.4
	1.0s	8.20nm			4.7mb
Z	19s	0.57um			4.7Msz
LBF	57.15	307	iPd	31 05.40	-1.3
	1.1s	11.00nm			4.8mb
SMF	57.35	307	iPd	31 06.90	-1.1
	1.0s	14.40nm			5.0mb
SSF	57.44	308	iPd	31 07.50	-1.1
	1.2s	21.70nm			5.1mb
AVF	57.62	307	iPd	31 08.90	-1.0
	1.2s	19.65nm			5.0mb
MAF	58.32	307	iPd	31 14.30	-0.5
	1.3s	23.85nm			5.1mb
TCF	58.53	307	iPd	31 15.70	-0.6
	1.3s	27.80nm			5.2mb
EKA	58.88	318	Pc	31 18.30	-0.3
	1.2s	16.10nm			5.0mb
LSF	58.99	307	iPd	31 18.30	-1.2
	1.0s	11.60nm			5.0mb
CAF	59.09	306	iPd	31 19.70	-0.5
	1.3s	15.90nm			5.0mb
LDF	59.25	310	iPd	31 20.10	-1.2
	1.2s	30.95nm			5.3mb
RJF	59.32	306	iPd	31 21.50	-0.3
	1.3s	26.35nm			5.2mb
Z	22s	0.32um			4.4Msz
FLN	59.42	311	iPd	31 21.20	-1.2
	0.9s	6.90nm			4.8mb
Z	22s	0.60um			4.7Msz
LPO	59.76	306	iPd	31 24.20	-0.6
	1.1s	12.70nm			5.0mb
GRR	59.78	310	iPd	31 23.70	-1.2
	1.1s	23.20nm			5.2mb
MFF	59.95	308	iPd	31 24.90	-1.2
	1.4s	21.80nm			5.1mb
LFF	59.97	306	iPd	31 25.80	-0.4
	1.0s	15.40nm			5.1mb
DMU	61.42	318	eP	31 39.30	3.3X
DLF	61.42	317	eP	31 39.00	3.0X
ILT	61.60	25	iPd	31 36.00	-1.0
	1.3s	26.00nm			5.2mb
Z	16s	0.40um			4.7MszX
E	16s	0.30um			
			i	32 22.00	
ECP	61.74	316	eP	31 37.40	-0.7
DCN	61.82	317	eP	31 42.00	3.3X
BCAO	65.16	257	iPc	32 01.00	-0.2
	1.0s	30.00nm			5.3mb
TOL	65.23	302	eP	32 01.50	0.2
MBC	68.13	5	eP	32 18.50	-0.6
	1.2s	32.00nm			5.3mb
IMA	70.70	21	eP	32 34.83	-0.4
	1.1s	10.55nm			4.8mb
FBA	73.23	20	ePd	32 49.67	-0.4
	0.9s	22.48nm			5.2mb
BUL	74.19	231	iPd	32 57.30	0.9
	1.0s	17.50nm			5.0mb
WRA	74.49	129	P	32 58.00	0.0
	0.9s	4.50nm			4.5mb
WB2	74.49	129	eP	32 57.50	-0.5
	0.9s	1.70nm			4.0mb
PMR	75.37	22	eP	33 02.00	-0.4
	1.0s	13.00nm			4.9mb
TOA	75.86	21	eP	33 06.40	1.0
ASPA	76.94	131	eP	33 10.90	-1.0
	1.4s	10.30nm			4.7mb
BALM	77.82	20	eP	33 16.74	0.4
OIS	78.37	125	eP	33 18.00	-1.8
YKA	81.88	7	eP	33 37.90	0.0
	1.1s	15.30nm			4.9mb
CTA	82.62	121	iPc	33 43.30	0.9
	0.8s	61.57nm			5.7mb
KIC	83.01	273	P	33 45.10	0.5
TIC	83.08	273	P	33 45.44	0.5

LIC 83.32 273 P 33 47.40 1.2
STK 87.56 132 eP 34 05.30 -1.4
1.2s 2.50nm 4.4mb
ADE 88.05 136 eP 34 10.00 0.9
PNT 93.92 13 eP 34 37.00 0.7
0.8s 8.00nm 5.2mb
SES 94.16 8 eP 34 37.00 -0.5
GMW 94.94 16 eP 34 42.95 1.9
RMW 95.24 15 eP 34 43.31 0.8
NEW 95.38 12 eP 34 43.90 0.7
1.0s 11.50nm 5.3mb
e 34 47.70
BMW 95.85 17 eP 34 46.83 1.5
e 34 50.82
CCH 145.95 293 ePKP 41 00.00 1.2
ZOBO 146.74 296 PKP 41 01.00 0.5
LPB 146.88 296 PKP 41 04.00 3.5X
CNCB 146.96 296 iPKPc 41 02.30 1.5
ARE 149.28 300 ePKP 41 10.00 5.9X
S.D. = 1.0 on 134 of 152 obs.

? JUN 27, 1992 13h 49m 02.85± 1.23s
66.807 N ±10.0km 13.393 E ±18.7km
DEPTH = 10.0km (geophysicist)
NORTHERN NORWAY (646)
MD 3.2 (BER).

LOF 1.33 2 eP 49 27.40 0.0
eS 49 44.29
KTK1 4.33 55 eP 50 10.89 0.8
ARA0 5.28 53 Pn 50 22.87 -0.8
Sn 51 20.04
Lg 51 46.95
NRA0 6.15 189 Pn 50 35.87 0.0
Sn 51 44.32
Lg 52 17.17
S.D. = 1.1 on 4 of 4 obs.

JUN 27, 1992 14h 16m 19.80± 0.13s
18.972 N ± 2.6km 80.592 W ± 2.1km
DEPTH = 10.0km (geophysicist)
5.2mb (76 obs.) 5.1Msz (25 obs.)
CARIBBEAN SEA (94)
Felt (III) at Grand Cayman, Cayman Islands. Felt at Niquero and Media Luna, Cuba.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 65C
Centroid Location:
Origin Time 14:16:22.3 0.3
Lat 18.81N 0.03 Lon 80.64W 0.03
Dep 15.0 FIX Half-duration 2.5
Moment Tensor; Scale 10**17 Nm
Mrr= 0.18 0.05 Mtt=-1.66 0.05
Mff= 1.48 0.08 Mrt=-0.31 0.12
Mrf= 0.04 0.18 Mtf= 2.68 0.06
Principal Axes:
T Val= 3.02 Plg= 2 Azm=120
N 0.20 85 237
P -3.22 5 30
Best Double Couple:Mo=3.1*10**17
NP1:Strike=165 Dip=85 Slip=-178
NP2: 75 88 -5

GCM 0.81 293 (P) 16 21.80 -13.7X
BBJ 3.21 100 iP 17 10.22 -1.1
S 17 44.07
PCJ 3.47 110 iP 17 14.61 -0.4
STH 3.69 103 iP 17 17.37 -0.8
HOJ 3.77 104 iP 17 18.07 -1.2
YHJ 4.04 105 iP 17 22.61 -0.4
LIO 9.22 195 eP 18 36.22 0.3
VCR 9.27 199 ePc 18 48.80 12.2X
ICR 9.47 200 ePc 18 48.85 9.1X
SJS 9.58 201 eP 18 41.93 0.9
LCR2 9.75 200 eP 18 43.61 0.2
BUS 9.85 199 ePd 18 44.70 -0.3
TPX 11.87 252 iP 19 11.25 -1.0
MGP 12.85 92 P 19 22.50 -2.8X
LRS 13.05 91 P 19 26.00 -2.0X
PORP 13.27 92 P 19 28.30 -2.6X
CLLP 13.32 92 P 19 29.00 -2.6X
TOV 13.88 130 ePc 19 37.20 -1.8X
HBF 13.90 1 eP 19 31.62 -7.5X
BMG 13.91 147 iPc 19 38.00 -1.4
SDV 13.92 135 iPc 19 36.90 -2.8X
iS 22 04.40
CPD 13.95 91 P 19 38.50 -1.4X
LPR 13.97 90 P 19 39.00 -1.2X
SGS 14.16 0 eP 19 36.98 -5.6X
eS 22 04.40
LVVM 14.99 276 eP 19 35.33 -18.1X
PRM 15.13 354 eP 19 50.34 -4.9X
eS 22 27.38
JSC 15.26 358 eP 19 51.15 -5.7X
eS 22 28.19
LHS 15.45 359 eP 19 52.21 -7.1X
eS 22 31.60
OXX 15.46 266 eP 19 58.27 -1.6
BOG 15.62 155 iP 20 06.00 3.9X
iS 23 04.00
IISM 15.88 273 iP 20 02.80 -2.2
IIT 16.76 273 (P) 20 17.94 1.4
TKL 16.86 351 eP 20 13.99 -3.5X
eS 23 05.93
GBTN 16.93 350 ePd 20 15.77 -2.6X
eS 23 12.86
BSK 16.95 93 eP 20 17.65 -1.0
SKI 17.05 93 eP 20 19.78 -0.1
PPM 17.05 273 eP 20 21.39 0.9
IIA 17.08 274 (P) 20 21.62 1.3
NEV 17.23 93 eP 20 21.07 -1.2
PWLA 17.27 339 eP 20 20.50 -2.1
eS 23 17.56
UNM 17.57 274 (P) 20 29.70 2.9
MGH 17.64 94 eP 20 28.76 1.4
MBET 17.68 94 eP 20 28.84 0.9
CPB 17.87 91 eP 20 27.63 -2.5X
III 17.90 271 (P) 20 30.50 -0.2
BPA 17.92 93 eP 20 30.10 -0.8
ANG 17.93 93 eP 20 30.15 -0.8
PSO 17.96 169 eP 20 35.00 3.2X
CUM 17.98 116 iP 20 35.00 3.4X
BLA 18.17 0 eP 20 30.68 -3.2X
1.2s 236.06nm 5.2mb
NAV 18.28 359 eP 20 32.65 -2.6X
ACX 18.45 267 iP 20 29.76 -7.7X
CVL 19.03 5 eP 20 42.20 -2.2
OLY 19.07 332 eP 20 43.70 -1.2
LST 19.24 337 eP 20 46.22 -0.7
CBN 19.37 8 eP 20 46.00 -2.5
e 24 10.00
SVV 19.44 104 eP 20 48.79 -0.7
SLB 19.44 102 eP 20 48.52 -1.0
MRX 19.45 276 iP 20 49.94 0.3
TCE 19.97 112 eP 20 55.24 0.0
TRN 20.30 111 eP 20 57.63 -1.1
TPP 20.40 112 eP 20 59.39 -0.4
MCWV 20.62 2 eP 21 01.84 -0.1
0.8s 141.41nm 5.4mb
Z 21s 3.69um 4.7Msz
TBH 20.67 111 eP 21 01.65 -0.9
FVM 20.80 338 eP 21 02.74 -1.0
0.4s 154.96nm 5.7mb
CCM 21.16 336 eP 21 07.26 -0.2
0.8s 117.97nm 5.3mb
TUL 21.55 325 ePc 21 10.10 -1.3
1.1s 27.50nm 4.6mb
Z 16s 2.51um 4.7MszX
S 25 11.00
LR 27 04.00
FNO 22.01 321 iPc 21 14.90 -1.2
LVNJ 22.33 12 eP 21 19.37 0.2
GMTN 22.52 13 iP 21 21.00 0.0
i 25 23.70
PNJ 22.55 13 iP 21 20.40 -0.9
i 25 20.40
TBR 22.76 13 eP 21 23.50 0.1
DLA 23.83 358 P 21 34.60 0.9
ACO 24.03 321 iPd 21 35.90 0.1
TYNO 24.06 1 P 21 37.20 1.2
ELF 24.15 359 P 21 37.60 0.7
STCO 24.19 3 P 21 38.58 1.3
MZX 24.45 284 (P) 21 41.00 1.0
ACTO 24.57 1 P 21 41.80 0.9
HRV 24.68 16 eP 21 40.76 -1.3
1.1s 49.65nm 5.1mb
WLVO 24.94 4 P 21 45.42 0.9
EEO 27.62 2 ePd 22 10.60 1.2
ALQ 27.89 310 ePc 22 12.90 0.7
1.2s 19.03nm 4.7mb
Z 20s 1.18um 4.5Msz
GOL 29.72 319 eP 22 27.08 -1.6
0.9s 14.16nm 4.8mb
Z 20s 1.05um 4.5Msz
LMN 29.82 22 eP 22 30.00 0.8
NNA 30.98 173 eP 22 41.20 1.5
1.0s 16.00nm 4.9mb
RSSD 31.84 327 P 23 00.00 12.7X
Z 19s 2.82um 5.0Msz
SRU 32.75 314 eP 22 55.65 0.5
EMUT 33.29 315 eP 23 00.42 0.4
ULM 33.51 342 eP 23 01.00 -0.4
MSU 33.61 312 ePc 23 03.37 0.6
GLA 33.64 301 eP 23 02.58 -0.3
BW06 34.08 320 eP 23 05.69 -1.1
1.4s 66.40nm 5.4mb
ARUT 34.20 310 iPc 23 08.41 0.6
DUG 34.82 314 eP 23 13.79 0.7
1.4s 76.79nm 5.4mb
PLM 35.37 301 eP 23 18.43 0.5
HVU 35.56 317 eP 23 19.11 -0.3
PEC 35.75 302 eP 23 21.03 0.1
1.4s 44.73nm 5.1mb
ARE 36.33 165 eP 23 26.00 -0.2
TNP 37.08 309 eP 23 31.57 -0.7
1.0s 31.07nm 5.0mb
ZOBO 37.12 160 iPc 23 32.30 -1.0
1.8s 127.95nm 5.4mb
S 29 20.00
LR 34 12.00
ISA 37.27 304 eP 23 34.45 0.7
1.4s 55.62nm 5.1mb
LPB 37.36 160 iPc 23 35.00 0.0
1.2s 125.00nm 5.6mb
SS 31 50.00
LR 33 52.00
ABL 37.64 303 eP 23 37.29 0.2
CNCB 37.66 160 iPc 23 37.70 0.0
BONR 37.84 308 iPc 23 40.35 1.6
BCH 38.41 303 eP 23 43.35 -0.1
CCH 38.82 158 eP 23 47.00 -0.1
PHAM 38.82 304 eP 23 46.96 0.2
SIV 39.70 150 iPc 23 53.20 -1.0
ARN 40.10 306 eP 23 58.35 1.0
ORV 40.72 309 eP 24 03.18 0.8
FCC 40.94 349 ePd 24 04.40 0.5
NEW 41.53 323 eP 24 08.19 -0.8
1.0s 42.50nm 5.1mb
LBFM 41.58 312 iPc 24 09.40 -0.3
DPW 41.95 322 eP 24 11.83 -0.6
VGB 42.43 318 eP 24 16.98 0.6
FHC 42.91 310 eP 24 20.59 0.2
0.9s 53.93nm 5.3mb
LON 43.60 319 eP 24 25.19 -0.7
RMW 43.91 320 eP 24 27.74 -0.7
BMW 44.38 318 eP 24 30.16 -2.1
GMW 44.55 320 eP 24 32.67 -0.8
BAO 47.03 135 Pd 24 54.30 0.6
YKA 49.43 340 eP 25 09.00 -2.6
0.9s 5.80nm 4.6mb
PPD 49.81 144 eP 25 14.90 -0.1
ITR 49.88 120 eP 25 15.10 -0.6
e 27 11.40
RTLL 51.35 167 ePd 25 25.40 -1.3
PDCR 51.48 124 eP 25 26.30 -1.6
e 25 43.20
VAO 53.09 140 eP 25 40.60 0.7
SIT 55.30 327 P 26 10.00 14.4X
Z 19s 1.80um 5.2Msz
MBC 60.64 350 ePd 26 30.80 -2.0
1.5s 120.00nm 5.8mb
KLU 61.77 330 eP 26 40.31 -0.5
TOA 62.02 331 eP 26 42.70 0.2
PMR 63.30 330 eP 26 49.83 -1.0
1.1s 24.67nm 5.3mb
Z 19s 2.06um 5.3Msz
FBA 63.34 334 eP 26 49.73 -1.4
1.4s 99.69nm 5.8mb
PMS 63.44 330 eP 26 51.60 -0.3
SLKM 63.65 329 eP 26 52.23 -1.0
STS 64.30 51 eP 26 59.70 1.9
REF 64.87 329 eP 27 02.31 0.9
DCN 65.07 39 eP 27 03.00 0.5
EMON 65.17 50 eP 27 04.00 0.5
DMU 65.30 39 eP 27 03.60 -0.4
ECB 65.35 40 eP 27 03.50 -0.9
ECB 65.35 40 eP 27 06.80 2.4
ERUA 65.37 51 eP 27 06.50 1.8
DLF 65.52 39 eP 27 04.10 -1.3

27d 14h

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ECP     65.60  41 eP      27 04.90  -1.1
ETA     65.70  40 eP      27 06.00  -0.6
KDS     65.78  84 iPc     27 08.00   0.3
IMA     65.96 335 eP      27 06.33  -1.9
        1.1s    36.13nm            5.5mb
AVE     66.05  61 eP      27 10.50   1.3
                  i       27 18.50
EVAL    66.08  57 eP      27 12.50   3.1X
SVW     66.35 329 eP      27 10.12  -0.5
        0.5s     9.68nm            5.2mb
EPLA    66.35  54 eP      27 13.80   2.7X
TIO     66.51  64 eP      27 26.00  13.6X
TTA     66.65 331 eP      27 10.40  -2.2
        1.3s    91.50nm            5.8mb
EJIF    67.23  58 eP      27 21.30   4.6X
EHOR    67.24  56 eP      27 20.80   4.1X
EPRU    67.35  57 eP      27 22.00   4.5X
EKA     67.49  37 Pc      27 17.60  -0.4
        0.8s    11.90nm            5.1mb
GUD     67.76  53 eP      27 21.80   1.7
TOL     67.92  54 eP      27 24.40   3.3X
                  eS      36 20.00
ELUQ    68.04  56 eP      27 24.00   2.1
EGUA    68.69  57 eP      27 29.50   3.6X
ECRI    68.76  51 eP      27 27.80   1.5
SDN     68.90 323 P       27 40.00  13.3X
     Z  20s      1.59um            5.2Msz
LPF     69.22  45 eP      27 28.50  -0.4
        1.3s    33.20nm            5.4mb
EVIA    69.27  55 eP      27 33.40   3.9X
GRR     69.31  45 eP      27 29.20  -0.2
        1.2s    34.80nm            5.4mb
EHUE    69.32  56 eP      27 32.50   2.7
FLN     69.52  44 eP      27 30.50  -0.2
        0.9s    19.15nm            5.3mb
     Z  20s      0.77um            4.9Msz
ENIJ    69.75  57 eP      27 36.50   4.1X
LDF     69.78  44 eP      27 32.20   0.0
        0.9s    29.65nm            5.4mb
MFF     69.98  46 eP      27 33.40  -0.1
        1.1s    19.05nm            5.1mb
EALH    70.23  56 eP      27 39.50   4.2X
ECHE    70.32  54 eP      27 40.00   4.2X
BTH     70.38  50 ePd     27 37.00   1.0
                  pP      27 49.00  40kmX
                  isP     27 54.00
                  ePcP    28 02.00
                  ipPcP   28 13.00
                  isPcP   28 21.00
EGRA    70.43  51 eP      27 41.60   5.3X
EPF     70.79  50 eP      27 38.80   0.2
        1.2s    47.30nm            5.5mb
LFF     70.81  48 eP      27 38.50  -0.1
        0.9s    27.35nm            5.4mb
ACU     70.91  55 eP      27 44.00   4.5X
LPO     71.16  48 eP      27 40.50  -0.2
        1.1s    28.55nm            5.3mb
LSF     71.17  47 eP      27 40.40  -0.4
        1.2s    12.20nm            4.9mb
EBR     71.23  52 eP      27 56.00  14.8X
RJF     71.30  48 eP      27 41.50  -0.1
        1.4s    46.20nm            5.4mb
     Z  19s      0.68um            4.9Msz
TCF     71.64  46 eP      27 43.20  -0.4
        1.1s    19.05nm            5.1mb
CAF     71.74  48 eP      27 44.20  -0.1
        1.2s    28.25nm            5.2mb
MAF     71.89  46 eP      27 44.80  -0.3
        1.5s    30.80nm            5.2mb
HON     71.99 287 P       28 00.00  13.9X
     Z  20s      0.71um            4.9Msz
KBS     72.00  12 iPd     27 45.50   0.3
BGF     72.03  46 eP      27 45.50  -0.5
        1.1s    19.55nm            5.1mb
AVF     72.34  46 eP      27 47.10  -0.6
        1.1s    23.20nm            5.2mb
SNF     72.38  42 P       27 48.00   0.1
SSF     72.40  46 eP      27 47.50  -0.6
        0.9s    14.40nm            5.1mb
LOR     72.61  45 eP      27 48.80  -0.6
        1.3s    26.00nm            5.2mb
     Z  21s      1.08um            5.1Msz
DOU     72.64  42 Pc      27 49.70   0.2
                  e       28 02.30
                  S       37 17.00
SMF     72.69  46 eP      27 49.30  -0.6
        1.4s    30.05nm            5.2mb

LBF     72.73  46 eP      27 49.30  -0.8
        1.4s    24.40nm            5.1mb
ENN     73.37  41 eP      27 54.00   0.3
        1.0s    11.00nm            4.9mb
WIT     73.49  39 eP      27 54.50   0.2
WLF     73.71  43 P       27 57.00   1.4
                  e       28 09.00
WTS     73.71  40 iPd     27 56.20   0.6
        1.0s    39.00nm            5.4mb
                  e       28 10.00
KONO    73.93  32 eP      27 56.70  -0.1
HAU     74.14  44 eP      27 57.80  -0.5
        1.0s    18.80nm            5.1mb
     Z  18s      0.80um            5.1Msz
TIC     74.25  88 P       27 58.84  -0.7
        1.0s    33.50nm            5.3mb
LIC     74.37  89 Pc      27 59.76  -0.4
        1.4s   148.50nm            5.8mb
BSF     74.46  44 eP      27 59.70  -0.6
        1.1s    14.90nm            4.9mb
NB2     74.47  30 P       27 59.80  -0.1
        0.9s    15.40nm            5.0mb
KIC     74.60  88 Pc      28 01.28  -0.3
        1.2s   117.50nm            5.8mb
CDF     74.67  44 eP      28 01.20  -0.2
        1.2s    20.55nm            5.0mb
LPL     74.88  47 eP      28 03.00   0.1
        1.3s    33.95nm            5.2mb
LPG     74.90  47 eP      28 03.30   0.2
        1.5s    32.45nm            5.1mb
BNI     74.93  47 P       28 03.50   0.4
LRG     75.04  49 eP      28 03.60   0.1
        1.2s    29.75nm            5.2mb
     Z  21s      0.60um            4.9Msz
LMR     75.17  49 eP      28 04.30   0.0
        1.1s    17.85nm            5.0mb
FRF     75.22  49 eP      28 04.50  -0.1
        1.4s    37.45nm            5.2mb
DIX     75.23  46 ePc     28 06.10   1.2
DOI     75.45  48 P       28 07.00   1.0
ZLA     75.59  44 ePc     28 07.30   0.6
SLE     75.60  44 ePc     28 07.10   0.4
ILT     75.60 337 iPd     28 06.00  -0.3
        1.8s   105.00nm            5.6mb
     Z  14s      3.80um            5.9MszX
     N  12s      2.40um
     E  13s      2.60um
                  e       30 53.00
                  eS      37 44.00
                  esS     38 24.00
MMK     75.61  46 ePc     28 08.50   1.4
HFS     75.86  31 eP      28 07.20  -0.6
        0.8s    10.80nm            5.0mb
     Z  17s      0.55um            4.9MszX
                  LR      53 03.00
LLS     76.13  45 ePc     28 11.00   1.1
CKI     76.19  48 P       28 11.00   0.9
VAI     76.20  46 P       28 11.00   1.0
TMA     76.22  46 ePc     28 11.00   0.6
BOB     76.92  47 P       28 14.60   0.4
GRF     76.92  42 ePd     28 14.70   0.6
        1.2s    17.00nm            5.0mb
     Z  19s      0.80um            5.1Msz
                  e       28 27.70
OSS     76.94  45 ePc     28 15.50   1.1
MOX     76.94  41 iP      28 14.50   0.4
        1.4s    18.00nm            5.0mb
     Z  18s      0.60um            5.0Msz
     N  19s      0.90um
                  eS      37 57.00
CLL     77.62  40 eP      28 18.00   0.1
        1.4s    25.00nm            5.1mb
                  e       28 32.00
UPP     77.84  31 iP      28 18.40  -0.4
BDI     77.89  47 P       28 27.00   7.4X
CTI     78.11  45 P       28 20.80   0.0
WET     78.11  42 iPc     28 21.70   1.1
        1.2s    26.00nm            5.2mb
KEV     78.27  20 iP      28 21.00  -0.1
        1.0s    40.00nm            5.4mb
BRG     78.31  40 iPd     28 21.80   0.1
        1.4s    40.00nm            5.3mb
                  i       28 35.80
                  i       28 45.40
FIR     78.42  48 e(P)    28 35.00  12.6X
KHC     78.55  42 P       28 23.70   0.6
        1.6s    27.00nm            5.1mb

     Z  20s      0.80um            5.0Msz
     N  18s      0.90um
                  e       28 47.00
                  e       29 00.00
                  eS      38 20.00
GEC2    78.71  42 P       28 22.00  -2.0
        1.0s     7.46nm            4.7mb
GEC2    78.71  42 PKP     28 43.70  19.7X
FVI     78.72  45 P       28 27.00   3.0X
PRU     78.92  41 P       28 25.60   0.6
     Z  19s      0.80um            5.1Msz
                  e       28 37.80
                  e       28 48.70
                  eS      38 27.00
KBA     78.96  44 iPc     28 26.30   0.7
        1.2s    36.20nm            5.3mb
                  i       28 48.90
VOY     79.62  45 eP      28 29.50   0.5
KSP     79.75  40 eP      28 29.60   0.1
LJU     80.04  45 eP      28 13.50 -17.7X
                  e       28 29.00
CEY     80.06  45 eP      28 31.00  -0.3
NUR     80.93  29 iP      28 35.50   0.0
        0.7s    14.00nm            5.1mb
PTJ     81.03  45 iP      28 37.40   0.9
KAF     81.03  27 iP      28 35.90  -0.2
        0.8s    10.20nm            4.9mb
ZST     81.06  42 eP      28 37.00   0.5
APA     81.32  21 iPc     28 37.90   0.4
SRO     81.95  42 eP      28 41.80   0.7
OJC     82.07  40 eP      28 42.30   0.6
                  e       28 45.70
PUL     83.81  28 ePc     28 51.50   1.0
                  e       29 06.00
                  eS      39 12.00
SMY     83.99 324 P       29 00.00   8.5X
     Z  19s      2.04um            5.5Msz
UZH     84.16  41 iPd     28 54.50   2.0
MNK     85.07  34 eP      28 57.00   0.1
SKO     86.09  47 iP      29 03.50   1.2
VAY     87.12  47 iP      29 09.00   1.7
MLR     87.69  42 ePd     29 12.50   2.3X
VRI     88.03  42 ePd     29 14.50   2.9X
KIS     88.86  40 eP      29 16.00   0.5
     Z  18s      0.70um            5.1Msz
     N  20s      0.60um
                  eS      40 00.00
OBN     89.09  31 iPc     29 16.50   0.0
        2.0s    80.00nm            5.6mb
                  ipP     29 32.00  53kmX
                  e       32 50.00
                  e       39 47.00
MOS     89.23  30 eP      29 17.00  -0.1
     Z  22s      0.90um            5.1Msz
                  e       29 32.00
MGD     90.93 337 eP      29 22.00  -3.0X
                  e       40 24.00
NRI     91.50   4 iPc     29 27.00  -0.4
        1.1s    15.00nm            5.3mb
     Z  22s      5.30um            5.9Msz
YAK     95.76 346 eP      29 46.90  -0.3
        1.8s    35.00nm            5.5mb
BCAO    97.17  83 ePc     29 55.30   0.9
        0.9s    18.00nm            5.7mb
                  i       33 50.00
ARU     97.45  21 eP      29 55.00   0.1
SVE     97.81  20 iP      30 00.00   3.4X
BOD    102.49 352 ePdiff30 20.20   2.9X
CN2    113.13 340 ePKP    35 00.00   0.8
     Z  20s      1.57um            5.6Msz
     N  20s      1.85um
     E  20s      2.24um
                  esPKP   35 07.00
                  eSS     51 26.00
WMQ    116.60   9 ePKP    35 06.00   0.0
     Z  26s      1.78um            5.6MszX
BJI    119.25 345 ePKP    35 12.00   1.0
     Z  20s      1.20um            5.5Msz
HHC    119.42 349 ePKP    35 12.20   0.7X
     Z  19s      1.59um            5.7Msz
GTA    121.92 360 ePKP    35 14.00  -2.3X
     Z  22s      3.53um            6.0Msz
LZH    125.08 356 ePKP    35 24.00   1.4
     Z  25s      1.17um            5.5MszX
                  PP      37 11.50
XAN    126.51 350 ePKP    35 25.00  -0.3
GKN    131.16  17 PKP     35 32.20  -2.3
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KKN 131.54 17 PKP 35 31.60 -3.7X
GUN 131.59 16 PKP 35 38.60 3.1X
PKI 131.79 17 PKP 35 32.20 -3.7X
CTA 135.95 260 ePKP 35 53.90 10.4X
i 36 05.90
STK 140.03 243 ePKP 35 55.40 4.6X
i 36 16.50
OIS 142.20 261 e(PKP)35 54.00 -1.0
CGP 143.06 315 ePKP 36 05.00 8.4X
WB2 147.07 262 iPKPc 36 04.00 0.8
0.7s 8.30nm
WRA 147.08 262 PKP 36 02.70 -0.5
0.7s 3.20nm
ASPA 147.58 256 ePKP 36 04.30 0.4
S.D. = 1.0 on 228 of 292 obs.

% JUN 27, 1992 14h 33m 12.58± 1.15s
44.303 N ±11.6km 11.480 E ± 6.2km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

PGD 0.46 158 P 33 21.90 -0.1
eSg 33 28.40
SFI 0.47 145 P 33 21.80 -0.3
eSg 33 30.10
MME 0.57 259 P 33 24.70 0.4
eSg 33 33.70
BDI 0.68 250 P 33 26.00 -0.1
eSg 33 36.40
PII 0.90 230 P 33 29.80 0.0
eSg 33 43.00
ARV 1.33 127 P 33 37.20 0.1
eSn 33 55.00
ASS 1.50 145 P 33 39.90 0.3
eSg 34 00.00
BOB 1.53 288 P 33 39.70 -0.3
S.D. = 0.3 on 8 of 8 obs.

% JUN 27, 1992 16h 18m 38.06± 1.08s
38.536 N ± 8.2km 15.646 E ±20.1km
DEPTH = 33.0km (normal)
SICILY (398)

ATN 0.40 201 P 18 47.20 0.0
eSg 18 59.20
SOI 0.56 145 P 18 49.60 0.0
eSn 19 03.80
CZI 0.78 29 P 18 53.30 0.7
ROI 1.26 35 P 18 58.90 -0.6
CSI 1.34 22 P 19 00.40 -0.2
S.D. = 0.7 on 5 of 5 obs.

• JUN 27, 1992 18h 11m 28.00± 1.18s
34.417 N ±18.2km 81.116 E ±14.6km
DEPTH = 33.0km (normal)
3.5mb (2 obs.)
XIJANG (306)

GKN 7.07 154 P 13 12.70 0.8
KKN 7.51 151 P 13 17.60 -0.6
DMN 7.60 152 P 13 19.80 0.3
GUN 7.66 147 P 13 20.20 -0.2
PKI 7.75 150 P 13 21.80 0.1
OUE 12.70 255 eP 14 28.00 -1.2
MAIO 17.74 282 eP 15 36.00 1.9
GEC2 50.79 308 P 20 26.10 -1.0
0.6s 0.33nm 3.5mb
WRA 74.05 128 P 23 02.50 -0.1
0.7s 0.50nm 3.6mb
S.D. = 1.1 on 9 of 9 obs.

& JUN 27, 1992 19h 00m 19.79s
58.518 N 152.312 W
DEPTH = 3.5km
KODIAK ISLAND REGION (13)
<AEIC>. ML 2.6 (AEIC).

KDC 0.78 187 P 00 35.00 -0.3
CDD 0.81 301 eP 00 35.37 -0.6
eS 00 47.32
AUI 1.00 325 eP 00 38.33 -1.1
eS 00 53.22
AUE 1.01 327 eP 00 38.83 -0.6
AUP 1.02 326 P 00 39.20 -0.6
AUH 1.03 326 P 00 38.50 -1.4
AUL 1.04 327 eP 00 38.46 -1.6
HOM 1.19 17 eP 00 40.39 -2.3
INE 1.59 346 eP 00 46.95 -2.1
INW 1.61 345 eP 00 46.79 -2.5
NNL 1.62 18 eP 00 49.07 -0.1
RED 1.92 353 P 00 52.00 -1.7
RS1 1.96 354 eP 00 52.89 -1.5
REF 1.99 354 eP 00 53.98 -0.8
DFR 2.09 355 eP 00 53.72 -2.5
SLKM 2.26 27 eP 00 57.37 -1.3
BKG 2.56 1 eP 01 01.34 -1.6
BGL 2.75 359 eP 01 02.79 -2.9
CGLM 2.80 3 eP 01 05.45 -1.0
NCG 2.90 1 eP 01 06.79 -0.9
SUA 3.06 14 eP 01 08.86 -1.1
PMS 3.07 26 P 01 08.10 -1.9
PLRM 3.47 26 P 01 09.60 -6.1
KNK 3.49 32 P 01 13.80 -2.3
SKT 3.50 6 eP 01 14.88 -1.2
GHO 3.68 26 P 01 15.00 -3.8
26 obs. associated

JUN 27, 1992 19h 05m 13.53± 0.33s
40.465 N ± 5.3km 78.613 E ± 5.7km
DEPTH = 33.0km (normal)
4.4mb (18 obs.)
SOUTHERN XINJIANG, CHINA (321)

KSH 2.26 244 Pn 05 54.60 5.1X
Sn 06 26.50
GAR 6.56 260 eP 06 51.50 1.2
WMQ 7.54 61 Pn 07 05.50 1.6
Sn 08 27.50
NDI 11.81 186 eP 08 02.00 -0.6
0.6s 26.67nm 5.6mb X
eS 10 18.50
GKN 13.39 156 P 08 23.60 -0.2
KKN 13.79 154 P 08 28.00 -1.2
GUN 13.88 152 P 08 30.60 0.1
DMN 13.90 155 P 08 30.80 0.1
OUE 13.98 226 eP 08 33.60 2.0
PKI 14.03 154 P 08 32.00 -0.5
GTA 16.30 87 eP 09 03.00 1.4
HYB 22.97 180 eP 10 21.00 4.8X
XAN 24.89 95 P 10 38.10 3.4X
TIY 26.30 85 eP 10 53.00 5.1X
HFS 43.82 319 eP 13 17.50 -0.2
0.8s 6.40nm 4.5mb
NB2 44.97 321 P 13 26.80 -0.2
0.8s 56.70nm 5.5mb X
GEC2 45.65 303 P 13 31.90 -0.7
0.6s 1.32nm 4.1mb
GRF 47.00 305 ePc 13 44.80 1.7
0.8s 6.00nm 4.6mb
CDF 49.85 304 iPc 14 05.40 0.0
0.9s 2.80nm 4.3mb
BSF 50.35 304 iPc 14 09.20 0.0
0.8s 5.50nm 4.6mb
LPG 51.20 301 iPc 14 16.30 0.4
0.8s 4.05nm 4.4mb
LPL 51.21 301 iPc 14 16.20 0.3
0.6s 3.80nm 4.5mb
SBF 51.36 299 iPc 14 17.20 0.3
1.0s 8.80nm 4.7mb
LBF 52.44 304 iPc 14 24.10 -0.9
0.9s 2.60nm 4.2mb
SMF 52.65 303 iPc 14 26.00 -0.6
0.9s 4.40nm 4.4mb
SSF 52.71 304 iPc 14 26.30 -0.7
0.9s 3.30nm 4.3mb
AVF 52.91 304 iPc 14 28.00 -0.4
0.8s 6.70nm 4.7mb
MAF 53.63 303 iPc 14 33.70 0.0
0.7s 1.55nm 4.1mb
EKA 53.64 315 Pc 14 33.80 0.2
1.2s 5.90nm 4.5mb
LSF 54.28 304 iPc 14 37.80 -0.7
0.8s 2.30nm 4.3mb
CAF 54.48 302 iPc 14 40.20 0.2
RJF 54.67 303 iPc 14 41.60 0.2
0.9s 3.30nm 4.4mb
LPO 55.14 302 iPc 14 44.80 -0.1
MBC 63.00 5 eP 15 45.00 6.2X
YKA 76.84 6 eP 17 00.90 -2.4
0.9s 1.30nm 4.0mb
WRA 79.34 128 P 17 23.80 6.2X
0.9s 0.40nm 3.4mb
S.D. = 0.9 on 30 of 36 obs.

JUN 27, 1992 19h 23m 24.14± 0.77s
45.196 N ± 7.2km 3.266 E ± 5.0km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.5 (LDG).

COLF 0.44 43 Pg 23 32.33 -0.8
Sg 23 38.08
CAF 0.89 253 Pg 23 40.50 -0.8
Sg 23 51.20
SSB 0.90 84 Pg 23 41.67 0.2
Sg 23 53.35
MAF 1.14 335 Pg 23 44.90 -0.5
Sg 23 59.10
RJF 1.24 276 Pg 23 47.20 0.0
Sg 24 02.30
TCF 1.32 326 Pg 23 47.90 -0.6
Sg 24 04.80
BGF 1.39 348 Pg 23 49.50 -0.1
Sg 24 07.20
SMF 1.50 15 Pg 23 51.60 0.4
Sg 24 10.60
LPO 1.56 252 Pg 23 52.40 0.4
Sg 24 13.00
AVF 1.60 2 Pg 23 53.20 0.8
Sg 24 13.90
LSF 1.61 312 Pg 23 53.80 1.1
Sg 24 14.20
LFF 1.81 263 Pg 23 57.30 1.8X
Sg 24 19.90
LBF 1.86 15 Pg 23 57.90 1.6X
Sg 24 21.10
SSF 1.87 5 Pg 23 58.70 2.2X
Sg 24 21.70
LOR 2.11 11 Pg 24 02.80 2.8X
Sg 24 29.10
MFF 2.77 302 Pg 24 15.00 5.7X
Sg 24 49.90
LRG 2.82 127 Pg 24 17.50 7.4X
S.D. = 0.7 on 11 of 17 obs.

? JUN 27, 1992 20h 16m 18.88± 1.66s
6.245 S ±15.6km 147.563 E ±16.5km
DEPTH = 59.2 ± 15.6 km
4.5mb (1 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.47 142 iPc 16 30.50 0.0
LAT 0.69 234 iPd 16 33.00 0.0
MDG 2.03 299 eP 16 51.30 0.0
PMG 3.17 187 eP 17 07.50 0.1
ASPA 21.74 216 eP 21 07.10 -0.1
0.3s 7.00nm 4.5mb
S.D. = 0.1 on 5 of 5 obs.

JUN 27, 1992 20h 20m 49.84± 0.58s
43.093 N ± 6.7km 0.459 W ± 4.2km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 2.4 (LDG).

OGE 0.08 352 Pg 20 52.47 0.2
Sg 20 54.45
ESCF 0.09 260 Pg 20 52.41 0.0
Sg 20 53.93
JAU 0.09 130 Pg 20 52.56 0.0
ATE 0.18 268 Pg 20 53.90 0.1
Sg 20 56.64
LHE 0.22 214 Pg 20 54.53 0.0
ISSF 0.25 255 Pg 20 55.62 0.3
Sg 20 59.52
MADF 0.27 281 Pg 20 55.10 -0.4
EPF 0.59 96 Pg 21 01.70 -0.1
Sg 21 09.80
LPO 1.99 36 Pg 21 27.40 3.6X
Sg 21 54.00
LFF 2.04 25 Pg 21 28.30 3.7X
Sg 21 55.50
CAF 2.58 44 Pg 21 38.70 6.3X
Sg 22 11.30
RJF 2.63 32 Pg 21 39.20 6.2X
Sg 22 13.50
LSF 3.46 24 Pg 21 52.80 8.0X
Sg 22 38.40
S.D. = 0.3 on 8 of 13 obs.

% JUN 27, 1992 23h 05m 52.38± 0.77s

27d 23h

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   47.509 N ± 7.1km     0.416 W ±11.3km
   DEPTH =  10.0km  (geophysicist)
 FRANCE                            (538)
      ML 2.3 (LDG).

LPF      0.67 321 Pg     06 06.50   0.8
                  Sg     06 18.10
MFF      0.93 168 Pg     06 09.40  -0.7
                  Sg     06 20.40
GRR      0.93 341 Pg     06 10.40   0.3
                  Sg     06 23.70
LDF      1.10  10 Pg     06 12.50  -0.6
                  Sg     06 25.40
FLN      1.25 358 Pn     06 14.90  -0.8
                  Pg     06 15.90
                  Sg     06 31.80
LSF      1.84 133 Pg     06 23.30  -0.9
                  Sg     06 45.10
TCF      2.18 123 Pg     06 29.00  -0.2
                  Sg     06 54.30
MAF      2.42 121 Pg     06 34.00   1.4
                  Sg     07 01.60
BGF      2.43 112 Pg     06 33.30   0.6
                  Sg     07 01.50
RJF      2.58 148 Pg     06 37.90   3.0X
                  Sg     07 08.70
LFF      2.69 162 Pg     06 41.20   4.7X
                  Sg     07 15.10
LPO      3.04 158 Pg     06 47.60   6.2X
                  Sg     07 26.20
CAF      3.11 145 Pg     06 47.70   5.4X
                  Sg     07 25.90
      S.D. = 0.9  on   9 of  13 obs.
----------------------------------------
% JUN 27, 1992  23h 15m 04.33± 1.56s
   39.029 S ± 7.1km   178.240 E ±13.4km
   DEPTH =  94.8 ± 15.8 km
 OFF E. COAST OF N. ISLAND, N.Z. (160)

MAHZ     0.32 240 P      15 18.50  -0.1
NOZ      0.44 339 P      15 17.60  -1.7
PAHZ     0.94 280 Pc     15 22.90  -1.1
PUZ      0.95   1 P      15 24.60   0.4
                  S      15 36.40
URZ      1.17 311 Pc     15 25.80  -0.8
TTH      1.21 245 eP     15 28.10   1.0
WHH      1.37 275 P      15 29.10   0.0
HBZ      1.43   2 P      15 31.00   1.2
TAZ      1.57 300 P      15 31.50  -0.1
WAHZ     1.61 245 Pc     15 33.10   1.0
PATZ     1.68 292 P      15 32.80  -0.3
UTU      1.82 297 eP     15 34.70  -0.1
PGZ      2.19 223 P      15 41.10   1.3
MNG      2.65 232 P      15 46.70   0.7
BSZ      2.68 252 eP     15 47.80   1.5
MOZ      2.74 280 eP     15 47.40   0.2
AMW      2.97 219 eP     15 50.80   0.6
KIW      3.15 233 P      15 52.50  -0.3
BLW      3.15 221 P      15 53.50   0.6
CAW      3.20 229 P      15 53.80   0.3
NRZ      3.36 263 P      15 58.20   2.5
MRW      3.49 230 P      15 57.40  -0.1
                  S      16 37.10
TCW      3.74 233 P      16 00.30  -0.6
DIW      3.76 241 P      16 01.00  -0.3
ORZ      4.74 246 P      16 13.80  -1.0
THZ      4.91 234 eP     16 15.20  -1.9
KHZ      4.92 225 eP     16 16.10  -1.1
DSZ      5.61 239 eP     16 25.10  -1.9
      S.D. = 1.1  on  28 of  28 obs.
----------------------------------------
? JUN 28, 1992  00h 03m 18.50± 2.74s
   36.996 N ±17.2km    27.561 E ±22.7km
   DEPTH =  10.0km  (geophysicist)
 DODECANESE ISLANDS                (369)
      ML 3.7 (CSS).

CIN      0.73  35 iPgd  03 32.00  -0.9
                  iSg   03 43.00
IZM      1.42 350 iPn   03 44.40   0.0
KHL      2.04  49 ePn   03 54.50   1.1
DST      2.74  18 ePn   04 07.00   3.7X
ALT      2.88  44 ePn   04 14.00   8.7X
YLV      3.84  21 eP    04 26.00   7.1X
CSS      5.10 112 eP    04 36.50  -0.3
                  eS    05 33.00
      S.D. = 1.4  on   4 of   7 obs.
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----------------------------------------
   JUN 28, 1992  00h 53m 47.82± 0.57s
   36.008 N ± 5.8km    28.550 E ± 6.2km
   DEPTH =  52.6 ±  8.6 km
   3.8mb ( 10 obs.)
 DODECANESE ISLANDS                (369)
      MD 4.2 (ATH).

KHL      2.44  18 ePn    54 26.50   0.5
NPS      2.51 254 ePn    54 27.30   0.4
IZM      2.60 337 iPn    54 27.90  -0.3
ALT      3.29  22 ePn    54 45.00   6.9X
PPCY     3.29 109 eP     54 39.30   1.1
                  eS     55 19.30
DST      3.59   1 ePn    54 42.00  -0.4
PRK      3.70 331 ePn    54 44.00   0.1
CSS      4.04 104 eP     54 49.20   0.6
                  eS     55 35.50
EZN      4.20 336 ePn    54 50.40  -0.4
BNT      4.37 354 eP     54 52.00  -1.3
VLI      4.59 281 ePn    54 57.00   0.7
KOT      6.66 155 ePn    55 23.50  -1.9
MLR      9.68 349 eP     56 08.00   0.8
LPL     19.01 307 eP     58 11.50   3.2X
         0.8s     5.10nm         3.8mb
CDF     19.97 315 eP     58 17.80  -0.6
         0.8s     3.10nm         3.7mb
HAU     20.31 313 eP     58 21.00  -0.9
         0.8s     4.45nm         3.8mb
SMF     21.30 308 eP     58 31.00  -0.9
         0.8s     2.95nm         3.7mb
AVF     21.66 308 eP     58 35.80   0.3
SSF     21.66 308 eP     58 34.70  -0.9
         0.9s     3.60nm         3.8mb
BGF     21.91 307 eP     58 39.50   1.5
         0.5s     1.45nm         3.7mb
MAF     21.99 306 eP     58 40.40   1.6
MFF     23.89 305 eP     58 57.70   0.4
         0.6s     1.70nm         3.7mb
LDF     24.50 310 eP     59 03.10  -0.1
         0.9s     5.55nm         4.1mb
FLN     24.78 310 eP     59 05.70  -0.2
         0.8s     3.75nm         4.0mb
GRR     24.89 309 eP     59 06.90   0.0
LPF     24.89 308 eP     59 06.90   0.0
         0.8s     3.75nm         4.0mb
      S.D. = 0.9  on  24 of  26 obs.
----------------------------------------
   JUN 28, 1992  01h 35m 56.25± 0.54s
   41.927 N ± 5.6km    20.305 E ± 4.6km
   DEPTH =  10.0km  (geophysicist)
 ALBANIA                           (391)
      ML 2.7 (TIR), 2.7 (TTG).

LACI     0.53 237 ePg    36 07.10   0.1
                  iSg    36 17.00
SDA      0.61 279 ePg    36 09.50   1.0
                  iSg    36 19.00
PVY      0.71 340 iPgc   36 09.72  -0.6
                  iSg    36 23.55
ULC      0.79 273 iPgc   36 10.39  -1.2
                  iSg    36 24.95
SKO      0.85  87 iPg    36 11.60  -1.0
         0.4s     97.00nm
                  iSg    36 24.20
                  Lg     36 26.20
OHR      0.90 155 iPg    36 12.60  -0.9
         0.8s    109.00nm
                  iSg    36 25.60
                  Lg     36 33.70
TTG      0.92 303 iPgc   36 13.52  -0.4
                  iSg    36 30.70
IVA      0.99 342 iPgc   36 14.65  -0.4
                  iSg    36 32.62
BDV      1.16 288 iPgc   36 17.58  -0.3
                  iSg    36 37.89
NKY      1.31 313 iPgc   36 20.83   0.2
                  iSg    36 43.90
HCY      1.44 292 iPnd   36 22.90   0.5
                  iSn    36 46.83
PLE      1.55 335 iPnd   36 24.67   0.6
                  iSn    36 49.64
BRY      1.63 307 iPnd   36 25.70   0.5
                  iSn    36 51.87
TPE      1.65 188 ePn    36 29.50   4.2X
LSK      1.79 173 ePn    36 31.10   3.6X
VAY      1.80 109 iPn    36 29.40   1.8
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      S.D. = 0.9  on  14 of  16 obs.
----------------------------------------
   JUN 28, 1992  02h 00m 06.75± 0.56s
   40.461 N ± 5.6km    28.996 E ± 5.0km
   DEPTH =  10.0km  (geophysicist)
 TURKEY                            (366)

YLV      0.31  70 iPg    00 13.00  -0.2
GBZT     0.47  46 ePg    00 17.40   1.0
                  iSg    00 24.30
ISK      0.61   5 iPg    00 18.50  -0.5
                  eSg    00 28.00
CTT      0.81 328 iPg    00 22.50   0.1
BNT      0.83 263 iPg    00 22.00  -0.8
                  iSg    00 34.50
EYL      0.89  83 iPg    00 23.00  -0.9
DST      0.90 198 iPg    00 23.70  -0.3
ALT      1.65 148 ePn    00 36.50   0.6
EZN      2.14 254 ePn    00 44.00   1.0
      S.D. = 0.8  on   9 of   9 obs.
----------------------------------------
? JUN 28, 1992  02h 01m 14.03± 1.59s
   34.214 S ±20.7km    70.512 W ±20.4km
   DEPTH = 100.0km  (geophysicist)
 CHILE-ARGENTINA BORDER REGION     (127)
      MD 3.6 (SAN).

CACH     0.12 323 iPc    01 28.50   0.0
                  iS     01 40.40
CHCH     0.30 337 iPd    01 28.80  -0.1
                  iS     01 40.60
PCH      0.59 360 iPd    01 30.90   0.0
                  iS     01 44.80
TACH     0.66 328 iPd    01 31.40   0.0
                  iS     01 45.10
LNV      0.79 289 iPd    01 32.50   0.0
                  iS     01 46.70
FCH      0.90  12 iPd    01 34.10   0.0
                  iS     01 49.90
PEL      1.08 352 iPc    01 35.60  -0.1
                  iS     01 52.50
      S.D. = 0.1  on   7 of   7 obs.
----------------------------------------
   JUN 28, 1992  02h 07m 24.59± 0.45s
   39.663 N ± 5.2km    25.371 E ± 3.9km
   DEPTH =   5.0 ±  3.0 km
 AEGEAN SEA                        (365)
      ML 3.6 (ATH).

EZN      0.75  77 iPg    07 39.50  -0.2
                  eSg    07 50.00
PRK      0.81 121 ePb    07 40.00  -0.8
                  eSb    07 51.30
IZM      1.94 130 iPn    07 57.90  -0.7
KDZ      1.98   1 iPd    07 58.00  -1.2
BNT      2.08  70 iPn    08 01.00   0.5
ATH      2.13 218 ePn    08 01.60   0.4
MMB      2.29 327 iPd    08 03.00  -0.7
PLD      2.49 348 iPd    08 07.00   0.6
DST      2.52  90 ePn    08 06.70  -0.2
VAY      2.70 309 iPn    08 17.20   7.7X
KZN      2.84 284 ePn    08 11.50   0.0
ISK      3.15  62 ePn    08 16.00   0.3
YLV      3.20  72 ePn    08 17.00   0.4
VTS      3.35 332 eP     08 19.00   0.2
VLI      3.51 214 ePb    08 26.00   5.1X
PVL      3.55 360 eP     08 20.00  -1.4
ALT      3.72  98 ePn    08 24.00  -0.1
SKO      3.77 309 ePn    08 25.00   0.3
                  i      09 06.00
OHR      3.78 294 ePn    08 24.20  -0.7
MLR      5.84   4 ePd    08 56.50   2.5X
      S.D. = 0.7  on  17 of  20 obs.
----------------------------------------
   JUN 28, 1992  02h 13m 34.82± 0.37s
   39.593 N ± 3.1km    25.383 E ± 2.0km
   DEPTH =  14.6 ±  2.6 km
   4.2mb ( 38 obs.)
 AEGEAN SEA                        (365)
      ML 4.3 (ATH), 4.0 (TTG).

EZN      0.76  72 iPn    13 48.60  -0.7
PRK      0.77 116 ePg    13 47.50  -1.9
IZM      1.89 129 iPn    14 08.40   1.5
KDZ      2.06   1 iPc    14 07.00  -2.3
ATH      2.08 219 iPnc   14 09.70   0.1
BNT      2.09  68 iPn    14 09.00  -0.8
```

MMB	2.36	328	iPc	14 13.00	-0.6
DST	2.51	89	iPn	14 16.20	0.5
PLD	2.56	349	iPc	14 16.00	-0.5
VAY	2.75	310	iPn	14 20.50	1.3
	0.8s		1128.00nm		
			i	14 27.30	
			iSg	15 03.60	
			Lg	15 13.00	
CTT	2.80	55	ePn	14 17.50	-2.4
KZN	2.87	286	iPnd	14 21.50	0.6
ISK	3.17	61	iPn	14 23.50	-1.6
YLV	3.21	71	iPn	14 25.00	-0.8
GBZT	3.33	68	ePn	14 29.90	2.5X
VTS	3.42	332	iPc	14 29.00	0.3
VLI	3.46	215	ePn	14 28.50	-0.7
KHL	3.47	110	iPn	14 30.50	1.1
PVL	3.62	359	eP	14 30.00	-1.5
ALT	3.71	97	iPn	14 34.00	1.1
LSK	3.72	280	ePn	14 33.90	0.8
EYL	3.79	74	ePn	14 33.00	-1.1
OHR	3.82	295	iPn	14 35.50	1.1
	1.2s		294.00nm		
			iSn	15 29.80	
			Lg	15 59.00	
SKO	3.82	310	iPnd	14 35.10	0.7
	1.0s		158.00nm		
			i	14 38.00	
VLS	4.00	251	ePn	14 38.00	1.1
SRN	4.16	276	ePn	14 42.30	3.2X
GYN	4.17	78	eP	14 40.50	1.0
TPE	4.19	281	ePn	14 40.50	0.9
KEK	4.31	273	ePn	14 44.00	2.6X
NPS	4.33	178	ePn	14 41.30	-0.3
NAL	4.60	80	iP	14 46.50	1.0
VLO	4.60	283	ePn	14 47.10	1.6
LACI	4.78	297	ePn	14 40.40	-7.5X
			iSn	15 47.60	
PVY	5.07	308	iPnd	14 53.37	1.2
			iSg	15 49.04	
SDA	5.08	300	iPnc	14 55.00	2.8X
DRA	5.15	351	iPc	15 04.00	10.8X
ULC	5.22	299	iPnd	14 59.25	5.0X
			iSn	15 57.75	
IVA	5.27	310	iPnc	14 56.49	1.4
			iSn	15 52.94	
TTG	5.43	303	iPnc	14 59.21	2.1
			iSn	16 00.35	
ISR	5.61	8	ePd	15 03.50	3.8X
BDV	5.64	301	iPnc	15 04.12	3.9X
			iSn	16 06.69	
BBTK	5.69	85	eP	15 03.00	2.0
LCI	5.76	280	P	15 00.00	-1.7
NKY	5.79	306	iPnd	15 04.12	1.8
			iSn	16 07.50	
PLE	5.85	312	iPnc	15 02.92	-0.2
			iSn	16 05.12	
MLR	5.91	4	iPd	15 04.00	0.0
HCY	5.94	301	iPnc	15 07.86	3.6X
			iSn	16 14.00	
CFR	5.95	19	eP	15 04.00	-0.4
BRD	6.05	11	ePc	15 08.50	2.7X
GZR	6.11	342	iPd	15 05.50	-1.2
BRY	6.12	305	iPnd	15 08.61	1.6
			iSn	16 15.75	
CVO	6.25	5	ePc	15 50.00	41.2X
VRI	6.35	9	ePc	15 10.00	-0.1
BEO	6.38	327	ePn	15 15.00	4.5X
	1.5s		0.44nm		3.1mb X
			eSg	16 51.00	
BRT	6.39	284	P	15 10.80	0.1
DEV	6.55	345	ePc	15 11.00	-1.9
MDB	6.59	354	iPc	15 17.00	3.5X
KAS	6.63	72	ePn	15 19.00	4.8X
ROI	6.81	273	P	15 16.60	-0.1
BIR	6.87	13	eP	15 22.00	4.6X
ORI	6.89	277	P	15 18.10	0.3
TDS	6.98	273	P	15 18.20	-0.9
CSI	7.02	274	P	15 20.50	0.9
CLI	7.09	11	ePc	15 20.00	-0.5
CZI	7.17	270	P	15 21.70	0.0
PPCY	7.27	128	eP	15 24.40	1.3
PTT	7.37	5	eP	15 28.00	3.5X
SOI	7.44	261	P	15 24.60	-0.8
MGR	7.58	277	P	15 27.00	-0.4
HVAR	7.61	301	iP	15 26.80	-1.1
SGO	7.79	280	P	15 29.90	-0.4
CSS	7.84	124	eP	15 31.10	0.0

			eS	16 53.00	
KIS	7.84	18	iPd-	15 28.00	-3.0
	0.8s		200.00nm		6.4mb X
ATN	7.87	263	P	15 30.60	-0.9
SIM	8.40	48	eP	15 39.00	0.2
			eS	17 14.00	
MNO	8.51	262	P	15 38.50	-2.2
DUI	8.56	287	P	15 40.00	-1.2
MEU	8.58	256	P	15 39.00	-2.5
SDI	9.04	287	P	15 46.80	-1.0
PSZ	9.22	336	ePn	15 49.30	-0.9
ZAG	9.30	315	eP	15 52.80	1.6
UZH	9.31	347	eP	15 51.00	-0.3
	0.8s		20.00nm		5.5mb X
PTJ	9.37	315	eP	15 53.50	1.2
AZI	9.37	289	P	15 52.00	-0.3
VBY	9.52	312	e(P)	15 55.40	1.1
SRO	9.68	330	eP	15 56.40	0.0
RDP	9.86	287	P	16 00.00	0.9
ARV	10.11	297	P	16 02.50	0.0
CEY	10.14	311	eP	16 04.90	2.1
ASS	10.18	294	P	16 03.00	-0.5
LJU	10.25	313	e(P)	16 05.00	0.7
			e(S)	18 28.00	
ZST	10.47	328	eP	16 10.40	3.2X
			e	32 36.80	
TRI	10.51	309	eP	16 06.90	-1.0
			e	18 48.00	
			i	19 48.00	
VOY	10.61	311	iPc	16 08.90	-0.4
VKA	10.85	326	eP	16 14.00	1.5
HLW	10.87	151	eP	16 10.50	-2.4
SFI	10.99	298	P	16 15.00	0.5
OJC	11.33	341	eP	16 19.00	-0.1
			i	16 21.40	
			e	16 28.00	
FIR	11.36	296	eP	16 21.00	1.5
KBA	11.52	314	iPc	16 22.90	1.1
	1.1s		26.00nm		5.4mb X
			i	16 25.20	
			i	16 50.50	
FVI	11.56	311	P	16 22.50	0.3
CTI	11.96	307	P	16 26.00	-1.8
SAL	12.48	304	P	16 36.00	1.4
KHC	12.72	322	P	16 34.50	-3.4X
	1.5s		8.50nm		4.7mb X
Z	12s		0.70um		4.1Msz
N	10s		0.60um		
E	10s		0.50um		
			eS	21 44.00	
BOB	12.90	299	P	16 41.70	1.4
PRU	12.92	327	eP	16 51.80	11.4X
Z	10s		0.60um		
N	11s		0.70um		
E	10s		0.50um		
			e	20 30.00	
KSP	12.93	333	eP	16 41.50	0.9
	1.4s		49.00nm		5.5mb X
VAI	13.72	303	P	16 52.00	1.0
BRG	13.84	328	e(P)	16 56.40	3.8X
SBF	14.06	293	eP	16 55.00	-0.7
	0.8s		10.35nm		4.6mb X
ORO	14.15	301	P	16 58.00	1.1
GRF	14.24	320	eP	16 50.00	-7.9X
Z	18s		0.40um		
			e	17 03.00	
MNK	14.39	5	eP	17 05.00	5.3X
CLL	14.56	328	eP	17 06.00	4.0X
	1.3s		13.00nm		4.3mb
FRF	14.57	292	eP	17 01.90	-0.3
	1.1s		22.95nm		4.7mb X
LMR	14.63	291	eP	17 02.80	-0.3
	1.4s		19.60nm		4.5mb
MOX	14.69	323	eP	17 06.00	2.3
	1.8s		25.00nm		4.4mb
Z	18s		0.30um		4.9MszX
N	18s		0.50um		
E	18s		0.40um		
			S	19 55.00	
ERE	14.69	82	eP	17 08.00	4.1X
LRG	14.76	291	eP	17 04.90	-0.2
	1.2s		42.25nm		4.8mb X
Z	19s		0.15um		4.7MszX
BNI	14.87	298	P	17 08.50	2.3
LPG	14.94	299	eP	17 07.10	-0.2
	0.8s		14.65nm		4.5mb
LPL	14.95	299	eP	17 07.30	-0.2

	1.0s		16.60nm		4.4mb
GRO	15.67	70	iPd	17 27.00	10.5X
	1.5s		160.00nm		
N	15s		1.00um		
CDF	15.70	310	eP	17 15.90	-1.1
	0.8s		4.15nm		3.7mb
BSF	15.74	308	eP	17 16.60	-0.9
	1.1s		16.85nm		4.2mb
HAU	16.08	308	eP	17 20.00	-1.8
	1.1s		8.30nm		3.8mb
Z	19s		0.25um		5.6Msz
WLF	16.95	313	P	17 35.00	2.3
SMF	17.20	301	eP	17 35.00	-1.0
	0.7s		3.30nm		3.6mb
LBF	17.21	302	eP	17 35.30	-0.9
	0.8s		6.30nm		3.8mb
OBN	17.24	22	eP	17 40.00	3.7X
	1.9s		70.00nm		4.5mb
Z	12s		1.00um		5.3Msz
N	12s		0.90um		
LOR	17.38	303	eP	17 37.40	-0.8
	0.9s		7.85nm		3.8mb
Z	20s		0.20um		5.3Msz
SSF	17.55	302	eP	17 39.40	-0.9
	0.8s		6.05nm		3.8mb
AVF	17.57	301	eP	17 39.60	-1.0
	1.1s		12.20nm		3.9mb
ENN	17.63	316	eP	17 48.00	6.7X
	1.0s		12.00nm		4.0mb
			e	17 58.00	
BGF	17.84	300	eP	17 43.00	-1.0
	1.2s		20.85nm		4.1mb
MAF	17.95	299	eP	17 44.10	-1.2
	1.0s		11.60nm		4.0mb
DOU	18.04	312	P	17 50.50	4.1X
CAF	18.04	295	eP	17 46.20	-0.3
	1.1s		21.75nm		4.2mb
MOS	18.09	23	eP	17 48.00	1.1
Z	12s		1.30um		
TCF	18.20	299	eP	17 47.70	-0.8
	0.9s		8.70nm		3.9mb
RJF	18.48	296	eP	17 51.50	-0.4
	1.0s		15.00nm		4.1mb
Z	20s		0.32um		5.3Msz
LPO	18.62	294	eP	17 52.20	-1.4
	0.8s		5.90nm		3.8mb
LSF	18.65	299	eP	17 54.00	0.0
	1.1s		7.55nm		3.8mb
LFF	18.97	294	eP	17 56.60	-1.3
	0.9s		6.40nm		3.8mb
MFF	19.86	299	eP	18 06.00	-2.1
	0.8s		8.60nm		4.1mb
ECHE	20.29	278	iPc	18 13.00	0.3
LDF	20.33	305	eP	18 11.90	-1.1
	0.9s		7.20nm		4.0mb
FLN	20.61	305	eP	18 14.80	-1.1
	0.8s		8.60nm		4.2mb
Z	17s		0.10um		3.3MszX
GRR	20.75	304	eP	18 16.60	-0.7
	0.9s		17.05nm		4.4mb
NUR	20.94	359	eP	18 19.00	-0.2
EVIA	21.63	276	eP	18 26.40	-0.1
HFS	21.83	344	eP	18 24.00	-4.2X
	0.5s		0.90nm		3.4mb
Z	17s		0.20um		3.6MszX
			LR	25 47.00	
EHUE	21.87	274	iPc	18 29.50	0.6
KAF	22.56	1	iP	18 36.60	1.2
	1.0s		28.20nm		4.7mb
GUD	22.57	282	eP	18 35.00	-0.9
TOL	22.59	280	eP	18 38.80	2.8X
EBAN	22.71	276	eP	18 37.70	0.5
EGUA	22.87	272	eP	18 38.90	0.2
NB2	23.20	342	P	18 42.10	0.4
	0.8s		5.90nm		4.2mb
ELUQ	23.22	274	iPc	18 42.20	0.0
MAL	23.55	273	iPc	18 45.20	-0.1
EHOR	23.92	276	eP	18 48.50	-0.3
EPRU	24.12	274	eP	18 51.00	0.1
EJIF	24.45	272	eP	18 54.50	0.5
EKA	24.66	319	Pc	18 53.60	-2.3X
	0.7s		7.70nm		4.4mb
ECP	25.21	310	eP	19 05.00	3.9X
ETA	25.28	312	eP	19 02.20	0.4
MAIO	27.01	86	eP	19 18.00	-0.1
ARU	27.50	41	eP	19 25.00	2.8X
BCAO	35.54	192	ePd	20 37.50	4.1X

28d 02h

0.5s 5.00nm 4.7mb
KIC 42.77 227 P 21 33.80 0.4
LIC 43.04 228 P 21 35.60 0.0
WMQ 45.74 63 eP 21 58.50 1.3
GKN 49.78 84 P 22 28.20 -0.8
DMN 50.33 85 P 22 35.80 2.4X
KKN 50.38 84 P 22 35.80 2.1
0.8s 16.00nm 5.0mb
PKI 50.58 84 P 22 36.80 1.4
GUN 50.78 84 P 22 35.20 -1.7
ZAK 53.75 51 eP 22 59.80 1.5
1.0s 10.00nm 4.8mb
GTA 55.80 64 P 23 16.50 2.8X
1.0s 9.00nm 4.8mb
BOD 56.97 40 eP 23 23.80 2.1
1.0s 10.00nm 4.8mb
LZH 60.17 66 eP 23 47.00 2.5X
1.2s 27.00nm 5.3mb X
HHC 63.09 58 eP 24 05.00 1.0
1.0s 12.00nm 5.0mb
XAN 64.79 66 eP 24 19.00 3.9X
YKA 73.30 342 eP 25 06.30 -0.7
0.9s 2.30nm 4.2mb
SES 82.56 334 ePc 25 58.90 0.6
S.D. = 1.2 on 147 of 186 obs.

% JUN 28, 1992 02h 17m 58.86± 0.62s
42.800 N ± 5.1km 12.922 E ± 9.5km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS 0.33 325 P 18 05.70 -0.1
eSg 18 11.90
MNS 0.45 203 P 18 07.60 -0.5
eSg 18 15.10
AQU 0.57 141 P 18 09.30 -1.2
eSg 18 18.80
ARV 0.70 1 P 18 12.40 -0.3
eSg 18 23.20
AZI 0.90 155 P 18 17.20 1.2
eSg 18 29.60
RDP 1.05 188 P 18 18.70 0.0
eSg 18 34.50
SDI 1.28 148 P 18 23.00 0.4
eSn 18 40.00
SFI 1.37 326 P 18 24.30 0.4
eSg 18 41.60
S.D. = 0.8 on 8 of 8 obs.

? JUN 28, 1992 02h 18m 53.82± 8.47s
8.595 N ±62.9km 84.146 W ±26.8km
DEPTH = 10.0km (geophysicist)
OFF COAST OF COSTA RICA (77)

OCR 0.84 359 eP 19 10.74 0.7
BUS 1.03 22 ePc 19 12.35 -1.2
LCR2 1.15 7 ePc 19 15.09 -0.4
ICR 1.41 13 eP 19 21.34 1.4
JCR 1.57 323 eP 19 21.37 -0.5
VCR 1.61 19 eP 19 28.16 5.8X
S.D. = 1.5 on 5 of 6 obs.

• JUN 28, 1992 02h 33m 45.81± 1.65s
39.647 N ±16.0km 25.343 E ±13.0km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 3.2 (ATH).

EZN 0.78 76 iPg 33 59.80 -1.2
eSg 34 11.50
PRK 0.82 119 ePb 34 00.40 -1.3
eSb 34 11.00
IZM 1.95 129 ePn 34 21.00 1.7
ATH 2.10 218 ePn 34 21.00 -0.4
BNT 2.10 69 ePn 34 22.00 0.5
DST 2.54 90 ePn 34 28.00 0.2
YLV 3.22 72 ePn 34 38.00 0.5
S.D. = 1.3 on 7 of 7 obs.

% JUN 28, 1992 03h 07m 47.82± 0.82s
38.988 N ± 7.2km 29.730 E ± 7.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

ALT 0.30 77 iPg 07 54.00 -0.2
eSg 07 59.00
KHL 0.68 194 iPg 08 01.50 0.1
iSg 08 10.50
DST 1.05 306 ePn 08 07 60 -0.1
YLV 1.60 350 ePn 08 16.00 -0.3
EYL 1.61 12 ePn 08 17.00 0.5
S.D. = 0.5 on 5 of 5 obs.

• JUN 28, 1992 03h 31m 10.01± 1.76s
36.036 N ±16.8km 21.221 E ± 6.8km
DEPTH = 41.9 ± 12.6 km
3.8mb (3 obs.)
SOUTHERN GREECE (368)
ML 4.0 (ATH).

VLI 1.54 63 ePn 31 36.50 1.0
VLS 2.20 347 ePn 31 46.50 1.7
ATH 2.78 45 ePn 31 52.50 -0.6
KZN 4.29 6 ePn 32 15.50 0.9
eSn 33 06.50
SOI 4.60 298 P 32 18.20 -0.8
LCI 5.00 330 P 32 24.20 -0.3
ATN 5.07 296 P 32 25.20 -0.3
OHR 5.08 356 ePn 32 24.70 -1.0
ROI 5.10 315 P 32 25.10 -0.9
eSn 33 14.80
CZI 5.14 310 P 32 25.70 -0.7
MEU 5.17 284 P 32 26.70 -0.4
TDS 5.29 315 P 32 31.90 3.2X
VAY 5.38 11 iPn 32 29.50 -0.4
CSI 5.40 315 P 32 31.50 1.3
ORI 5.51 318 P 32 33.30 1.6
SKO 5.93 2 iPn 32 36.00 -1.6
i 33 43.00
OBN 21.80 24 eP 35 58.60 -1.4
e 36 24.00
HFS 24.60 351 eP 36 27.10 -0.2
0.4s 1.20nm 3.8mb
EKA 25.51 327 P 36 37.00 1.1
0.6s 1.00nm 3.6mb
NB2 25.82 349 P 36 39.80 0.9
1.0s 4.00nm 3.9mb
S.D. = 1.1 on 19 of 20 obs.

? JUN 28, 1992 04h 06m 02.03± 1.39s
40.588 N ±17.4km 28.876 E ± 7.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

YLV 0.38 93 iPg 06 10.00 0.2
BNT 0.77 253 iPg 06 17.00 0.0
eSg 06 30.00
EYL 0.98 91 iPg 06 20.50 -0.2
eSg 06 33.50
DST 1.00 191 ePg 06 21.00 0.0
eSg 06 34.50
S.D. = 0.2 on 4 of 4 obs.

? JUN 28, 1992 04h 11m 50.50± 4.19s
9.848 S ±24.8km 114.118 E ±64.4km
DEPTH = 74.0 ± 24.9 km
3.8mb (1 obs.)
SOUTH OF BALI, INDONESIA (284)

KHKI 2.08 45 ePd 12 24.00 0.1
eS 12 38.00
e 14 43.00
MBL 12.52 155 eP 14 47.00 -0.4
eS 16 56.50
NANU 12.71 174 eP 14 50.10 0.2
eS 17 01.00
WB2 21.96 120 eP 16 40.20 0.6
0.6s 2.20nm 3.8mb
ASPA 23.36 128 iPd 17 00.10 6.8X
YYYY 31.73 86 eP 18 09.50 -0.4
S.D. = 0.8 on 5 of 6 obs.

? JUN 28, 1992 05h 03m 16.96± 0.95s
31.576 S ±33.7km 68.831 W ±17.1km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTCV 0.38 139 iPd 03 32.20 0.0
RTLL 0.39 52 iPc 03 32.30 0.0
S 03 44.50
CFA 0.51 94 ePc 03 33.10 0.0
RTBS 0.54 261 iPc 03 33.20 0.0
S 03 45.00
S.D. = 0.1 on 4 of 4 obs.

? JUN 28, 1992 05h 24m 02.95± 1.84s
32.839 S ±11.5km 179.569 W ±31.8km
DEPTH = 33.0km (normal)
4.4mb (3 obs.)
SOUTH OF KERMADEC ISLANDS (179)

PUZ 5.52 198 eP 25 23.60 -1.3
eS 26 29.90
URZ 6.05 206 eP 25 32.70 0.3
S 26 44.30
NOZ 6.09 198 P 25 34.00 1.0
ASPA 41.72 270 iPd 31 55.60 5.1X
0.7s 5.70nm 4.4mb
WB2 42.91 276 eP 32 00.20 -0.1
0.6s 7.30nm 4.6mb
i 32 12.00
WRA 42.92 276 P 32 00.50 0.1
0.6s 3.70nm 4.3mb
KAF 146.35 338 iPKP 43 39.90 0.0
0.6s 3.40nm
NB2 150.92 349 PKP 43 51.00 3.9X
0.7s 1.90nm
HFS 151.32 346 ePKP 43 50.30 2.7X
0.6s 1.10nm
S.D. = 1.0 on 6 of 9 obs.

• JUN 28, 1992 05h 37m 13.00± 2.33s
71.162 N ±29.7km 5.002 W ±11.9km
DEPTH = 10.0km (geophysicist)
4.0mb (8 obs.)
JAN MAYEN ISLAND REGION (639)

JNE 1.09 262 eP 37 33.44 0.0
eS 37 44.69
JNW 1.12 265 eP 37 34.09 0.0
eS 37 45.48
JMI 1.24 261 eP 37 35.98 -0.1
eSg 37 51.59
HFS 13.40 136 eP 40 21.80 -3.6X
0.4s 2.30nm 4.6mb
Z 16s 0.06um 4.1Msz
LR 43 54.00
EKA 15.91 176 Pd 40 58.30 0.1
0.5s 0.90nm 3.2mb
KSP 22.59 143 eP 42 14.50 0.1
LOR 24.34 165 eP 42 31.90 0.4
0.8s 2.55nm 3.9mb
SSF 24.51 166 eP 42 33.50 0.3
LBF 24.63 165 eP 42 34.60 0.3
0.9s 3.60nm 4.0mb
MFF 24.74 172 eP 42 35.90 0.5
0.7s 3.10nm 4.1mb
LSF 25.18 169 eP 42 39.40 -0.2
0.9s 3.30nm 4.0mb
TCF 25.19 168 eP 42 38.90 -0.8
0.9s 2.60nm 3.9mb
MAF 25.28 168 eP 42 39.90 -0.6
0.7s 1.75nm 3.9mb
S.D. = 0.4 on 12 of 13 obs.

• JUN 28, 1992 05h 40m 10.24± 1.33s
13.838 S ± 8.2km 167.043 E ± 8.9km
DEPTH = 82.3 ± 11.1 km
4.7mb (11 obs.)
VANUATU ISLANDS (186)

BKM 3.98 163 iPc 41 11.00 0.9
iS 41 46.50
DZM 8.21 184 iPc 42 07.90 -0.9
iS 43 29.80
HNR 8.21 301 eP 42 08.00 -0.8
eS 44 06.00
CTA 20.82 250 eP 44 51.80 4.5X
0.9s 87.82nm 5.1mb
ePP 45 27.50
eS 48 12.10
RMQ 21.25 231 iPc 44 53.40 1.9
0.5s 45.00nm 5.1mb
ARMA 21.78 218 iPc 44 57.60 0.7
1.0s 36.00nm 4.7mb
QLP 24.82 236 eP 45 27.00 0.7
e 46 08.00
CMS 26.22 224 iPc 45 38.50 -0.7
0.9s 23.00nm 4.7mb
e 46 13.00
OIS 27.02 252 eP 45 47.50 0.8

e 46 19.50
STK 29.42 228 iPc 46 07.60 -0.5
0.6s 10.00nm 4.7mb
eS 50 55.10
TOO 30.44 215 e(P) 46 15.00 -2.2
i 47 08.00
WB2 31.83 254 iPd 46 25.10 -4.4X
0.8s 5.60nm 4.4mb
WRA 31.84 254 P 46 25.50 -4.1X
0.9s 3.50nm 4.1mb
ASPA 32.80 248 iPc 46 37.70 -0.2
1.1s 23.70nm 4.9mb
e 47 10.30
iS 51 39.40
WARB 39.74 246 eP 47 37.00 0.4
0.4s 3.00nm 4.5mb
CN2 68.77 329 eP 50 50.60 -16.8X
1.0s 10.00nm
SPA 76.25 180 iPc 51 46.80 -4.6X
1.0s 5.00nm 4.4mb
YAK 81.10 343 eP 52 19.00 1.6
1.1s 40.00nm 5.2mb
e 53 03.00
NB2 129.71 345 PKP 59 01.00 -10.2X
0.7s 0.80nm
VAI 143.18 334 PKP 59 35.10 -1.3
ROI 143.52 320 PKP 59 37.30 0.0
CSI 143.57 321 PKP 59 36.40 -1.0
FIR 143.66 330 ePKP 59 36.50 -0.8
FLN 143.68 346 iPKPc 59 36.30 -0.9
0.8s 8.60nm
ORO 143.70 335 PKP 59 36.80 -0.7
LDF 143.76 346 iPKPc 59 36.50 -0.9
1.0s 11.80nm
BOB 143.76 333 PKP 59 37.60 0.0
BDI 143.77 331 PKP 59 36.40 -1.3
LOR 143.83 340 iPKPc 59 37.40 -0.2
1.2s 23.20nm
CZI 144.00 320 PKP 59 36.90 -1.2
LBF 144.04 340 iPKPc 59 38.00 0.0
1.3s 32.15nm
PII 144.06 331 PKP 59 37.10 -0.9
GRR 144.12 346 iPKPc 59 38.10 0.1
0.8s 17.35nm
SSF 144.13 341 iPKPc 59 38.50 0.4
1.3s 63.20nm
LSD 144.17 336 PKP 59 38.97 0.4
LPL 144.29 336 iPKPc 59 39.60 0.9
0.8s 14.25nm
LPG 144.30 336 iPKPc 59 39.70 0.9
1.0s 28.20nm
PCP 144.33 333 PKP 59 38.35 -0.2
SMF 144.38 340 iPKPc 59 39.20 0.7
1.4s 55.35nm
RSP 144.38 335 PKP 59 38.66 -0.1
AVF 144.41 341 iPKPc 59 39.10 0.6
1.0s 16.80nm
LPF 144.50 346 iPKPc 59 39.40 0.8
0.9s 24.95nm
CKI 144.54 333 PKP 59 39.00 0.1
BNI 144.70 336 PKP 59 40.90 1.6X
SOI 144.72 318 PKP 59 40.50 1.2
FIN 144.74 333 PKP 59 39.17 -0.1
RRL 144.77 335 PKP 59 40.81 1.3
BGF 144.78 341 iPKPc 59 40.40 1.2
0.7s 12.25nm
PZZ 144.98 335 PKP 59 41.63 1.8X
ENR 145.07 334 PKP 59 39.68 -0.2
STV 145.09 334 PKP 59 39.68 -0.2
IMI 145.12 333 PKP 59 40.09 0.1
MAF 145.17 341 iPKPc 59 41.80 1.9X
0.9s 10.50nm
TCF 145.22 341 iPKPc 59 41.80 1.8X
1.3s 26.00nm
SBF 145.35 334 iPKPc 59 41.90 1.5X
0.9s 29.15nm
LSF 145.46 342 iPKPc 59 42.20 1.8X
0.8s 14.65nm
MFF 145.61 344 iPKPc 59 42.80 2.2X
0.9s 24.25nm
PGF 145.68 331 iPKPc 59 43.00 2.0X
1.0s 25.60nm
FRF 145.93 334 iPKPc 59 43.60 2.3X
1.1s 25.40nm
LRG 146.14 334 iPKPc 59 44.40 2.8X
1.1s 24.40nm
LMR 146.18 334 iPKPc 59 44.30 2.7X

1.0s 18.80nm
RJF 146.32 341 iPKPc 59 45.10 3.3X
1.0s 17.80nm
CAF 146.48 341 iPKPc 59 45.70 3.5X
1.1s 16.85nm
LFF 146.88 342 iPKPc 59 46.60 3.9X
0.8s 18.55nm
LPO 146.98 341 iPKPc 59 46.80 3.9X
0.8s 14.50nm
BCAO 147.57 256 iPKPc 59 47.00 2.2X
0.7s 30.00nm
i 00 29.00
i 00 51.40
EPF 148.73 341 iPKPc 59 51.40 5.6X
1.0s 7.80nm
STS 150.81 353 iPKPd 59 56.30 7.4X
S.D. = 0.9 on 44 of 68 obs.

JUN 28, 1992 05h 47m 50.62± 0.56s
40.704 N ± 6.5km 141.720 E ±11.0km
DEPTH = 127.4 ± 7.0 km
4.9mb (5 obs.)
NEAR EAST COAST OF HONSHU, JAPAN(228)

AOMJ 1.04 262 iP+ 48 12.10 -1.8
S 48 26.60
OFUJ 1.62 181 P 48 19.20 -1.1
S 48 39.50
MRRJ 1.79 344 iP+ 48 22.00 -0.2
eS 48 44.20
HOOJ 2.05 34 P 48 26.00 0.5
S 48 51.90
YAMJ 2.84 208 P 48 36.60 0.9
KUSJ 3.27 42 P 48 41.10 -0.2
eS 49 17.40
ASAJ 3.48 11 P 48 45.10 1.0
eS 49 27.10
NIIJ 4.06 212 iPd 48 53.50 1.6
KAKJ 4.65 196 iPd 48 58.70 -1.2
S 49 52.90
MAT 4.98 215 eP 49 06.00 1.5
0.5s 15.49nm
(S) 50 25.00
CHJJ 5.12 206 P 49 06.80 0.5
eS 50 11.80
MTMJ 5.13 218 P 49 09.50 3.0X
TSRJ 6.86 223 eP 49 35.30 5.3X
BJI 19.46 276 eP 52 08.50 -1.1
1.5s 40.00nm 4.6mb
GUN 47.14 272 P 56 13.60 1.4
KKN 47.65 273 P 56 16.60 0.6
PKI 47.67 272 P 56 16.60 0.3
DMN 47.88 273 P 56 18.20 0.4
0.6s 15.00nm 4.9mb
GKN 48.03 273 P 56 17.00 -1.9
0.4s 18.00nm 5.2mb
WB2 60.72 188 iP 57 49.90 -0.8
0.3s 6.60nm 5.1mb
WRA 60.72 188 P 57 50.20 -0.5
0.5s 1.80nm 4.3mb
MBL 64.83 203 iPc 58 25.30 7.5X
HFS 70.85 335 eP 59 00.10 5.2X
0.4s 0.50nm 3.7mb X
S.D. = 1.2 on 19 of 23 obs.

& JUN 28, 1992 05h 54m 41.07s
34.200 N 116.437 W
DEPTH = 0.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.3 (PAS). ML 3.4
(GS).

PEC 0.67 243 iPd 54 53.96 -0.6
iS 55 02.16
PLM 0.92 203 iPd 54 58.46 -0.9
SSK 1.04 271 iPc 55 00.70 -1.1
iS 55 15.28
GLA 1.77 130 iP 55 10.48 -2.6
ISA 2.22 312 ePn 55 17.78 -2.0
ePg 55 21.95
S 55 52.93
ABL 2.39 287 ePn 55 20.70 -1.6
eS 55 56.93
BCH 3.16 289 ePn 55 31.00 -2.1
ePg 55 38.68
PKEM 3.54 303 eP 55 45.39 7.0
PHAM 3.64 298 eP 55 44.98 5.1

TNP 3.93 351 ePn 55 43.09 -1.0
iPg 55 54.24
eS 56 49.70
BONR 4.04 339 ePn 55 49.14 3.3
ePg 55 57.65
ARUT 4.33 33 ePn 55 48.20 -1.6
ePg 56 02.04
ARN 5.20 309 ePn 55 59.84 -2.2
ePg 56 17.36
eS 57 23.78
MSU 5.51 37 ePn 56 12.10 5.5
DUG 6.65 25 ePg 56 45.52 23.0
EMUT 7.18 37 P 56 58.37 28.2
DAU 7.45 32 P 57 00.39 26.4
17 obs. associated

% JUN 28, 1992 06h 03m 49.51± 0.44s
38.363 N ± 3.9km 15.819 E ± 5.8km
DEPTH = 10.0km (geophysicist)
SICILY (398)

MSI 0.26 233 P 03 55.30 0.3
eSg 04 00.00
ATN 0.35 234 Pc 03 56.60 0.0
eSg 04 02.00
SOI 0.34 147 Pc 03 56.50 -0.1
eSg 04 01.70
CZI 0.89 16 P 04 06.60 0.1
MNO 0.99 244 P 04 08.30 0.0
eSg 04 23.30
ROI 1.34 26 P 04 14.10 -0.1
TDS 1.36 17 P 04 15.50 1.1
eSg 04 33.00
MEU 1.44 209 P 04 15.70 -0.1
eSg 04 33.80
CSI 1.46 14 P 04 16.20 0.3
ORI 1.77 16 P 04 19.70 -0.6
eSn 04 42.50
MGR 1.78 353 P 04 20.00 -0.6
eSn 04 43.00
SGO 2.23 350 P 04 26.90 -0.1
eSn 04 53.00
S.D. = 0.5 on 12 of 12 obs.

JUN 28, 1992 06h 10m 03.40± 0.27s
54.241 N ± 4.4km 160.869 E ± 5.2km
DEPTH = 33.0km (normal)
5.2mb (66 obs.) 5.0Msz (12 obs.)
NEAR EAST COAST OF KAMCHATKA (218)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 64C
Centroid Location:
Origin Time 06:10: 9.2 0.3
Lat 53.87N 0.04 Lon 161.66E 0.05
Dep 43.0 2.6 Half-duration 1.9
Moment Tensor; Scale 10**17 Nm
Mrr= 1.15 0.04 Mtt=-0.24 0.07
Mff=-0.91 0.05 Mrt= 0.42 0.07
Mrf= 0.40 0.09 Mtf=-0.75 0.05
Principal Axes:
T Val= 1.29 Plg=76 Azm=335
N 0.23 7 215
P -1.52 12 124
Best Double Couple:Mo=1.4*10**17
NP1:Strike=205 Dip=34 Slip= 77
NP2: 40 57 98

PET 1.80 228 iPnd- 10 35.00 2.4
MGD 8.02 321 ePn 12 06.50 6.1X
Z 16s 8.50um
N 18s 4.20um
E 16s 8.60um
e 13 42.00
SEY 9.74 336 ePn 12 33.30 9.2X
eS 14 27.00
KUR 12.31 228 ePn 13 00.50 1.4
eS 15 26.50
YSS 13.58 245 ePd 13 22.80 7.0X
1.1s 40.00nm 5.2mb
Z 15s 4.10um 5.4Msz
N 15s 2.00um
E 15s 2.00um
(S) 15 39.00
SHO 13.86 227 iP 13 14.50 -5.0X
eS 15 53.50
KUSJ 15.39 230 eP 13 33.80 -5.8X

28d 06h

				eS	16 19.90	
ASAJ		15.59	237	eP	13 43.50	1.3
HOOJ		16.60	232	eP	13 50.50	-4.5X
				eS	16 49.20	
ILT		16.76	27	eP	14 00.50	3.8X
	Z	14s	2.60um			
	N	14s	1.60um			
	E	14s	1.10um			
				eS	17 04.00	
YAK		18.04	308	iPd	14 15.00	2.2
		1.0s	130.00nm			5.0mb
	Z	16s	5.20um			3.4MszX
	E	16s	4.80um			
OFUJ		19.99	228	eP	14 32.70	-3.0X
YAMJ		21.46	230	eP	14 52.10	1.3
VLA		21.97	251	eP	15 10.00	14.2X
				e	19 44.00	
MDJ		22.34	257	eP	15 00.50	1.0
		1.0s	18.00nm			4.5mb
	Z	21s	2.50um			4.6Msz
	N	18s	1.53um			
	E	18s	2.62um			
				S	19 00.00	
NIIJ		22.69	230	P	15 03.20	0.2
KAKJ		23.04	227	P	15 03.40	-3.0X
MAT		23.63	231	eP	15 13.00	0.8
		1.0s	62.00nm			5.1mb
	Z	20s	1.42um			4.4Msz
				eS	19 21.00	
TTA		23.66	51	eP	15 13.00	0.6
		1.1s	32.70nm			4.8mb
CHJJ		23.69	229	P	15 14.10	1.4
MTMJ		23.78	231	P	15 14.10	0.4
IMA		24.89	44	eP	15 24.50	0.3
		0.8s	7.90nm			4.4mb
CN2		25.21	260	Pd	15 26.80	-0.5
		1.2s	28.00nm			4.7mb
	Z	17s	3.30um			4.9MszX
	N	13s	0.89um			
	E	13s	1.44um			
				epP	15 39.50	51kmX
				eS	19 42.00	
TSRJ		25.48	233	P	15 29.30	-0.6
TSRJ		25.48	233	eP	15 29.60	-0.3
BOD		25.91	297	eP	15 35.80	2.0
		0.8s	11.00nm			4.5mb
WKYJ		26.74	232	P	15 42.20	0.5
YONJ		26.97	236	eP	15 43.20	-0.4
SNY		27.51	259	eP	15 48.40	-0.1
	Z	20s	2.98um			4.9Msz
	N	15s	1.73um			
	E	19s	1.94um			
				S	20 24.00	
TKSJ		27.66	234	eP	15 49.50	-0.4
CIT		28.04	285	eP	16 03.00	9.7X
SHNJ		28.98	238	eP	16 01.60	-0.2
BJI		32.95	263	eP	16 35.50	-1.2
	Z	18s	2.66um			5.0Msz
	N	15s	1.96um			
ZAK		34.58	288	eP	16 49.40	-1.3
	Z	14s	2.06um			5.0MszX
	N	13s	0.95um			
	E	14s	2.59um			
				e	18 12.00	
				eS	22 12.00	
NRI		35.04	324	iPc	16 53.50	-1.0
	Z	18s	4.70um			5.3Msz
	E	18s	3.30um			
				e	17 11.00	
				ePPP	19 22.00	
				eSS	24 46.00	
HHC		35.13	268	eP	16 54.50	-1.2
		1.0s	12.00nm			4.8mb
MOY		35.22	291	eP	16 56.60	0.4
MBC		35.80	24	eP	17 00.50	-0.4
		1.2s	9.00nm			4.6mb
BTO		36.20	269	eP	17 04.50	-0.2
	N	13s	0.90um			
	E	13s	1.35um			
NJ2		37.07	251	eP	17 13.20	1.2
YKA		42.01	44	eP	17 50.90	-1.7
		0.7s	1.40nm			3.8mb X
ELT		42.20	300	eP	17 52.00	-2.2
				ePcP	19 47.80	
				eS	24 09.70	
				eSS	27 21.00	
				eScS	27 48.80	
NVS		42.79	304	eP	17 57.80	-1.2
				ePP	19 40.60	
				eS	24 20.60	
LZH		42.82	269	eP	17 59.40	-0.3
		1.0s	39.00nm			5.1mb
	Z	19s	2.96um			5.2Msz
	E	12s	0.97um			
				sP	18 17.50	
GTA		42.95	276	P	18 00.00	-0.7
		1.0s	14.00nm			4.6mb
				pP	18 09.50	32kmX
				sP	18 14.50	
UKR		44.26	298	eP	18 09.20	-1.8
				iPcP	19 53.20	
				iPP	20 03.30	
				iPPP	20 38.90	
				iS	24 36.80	
				iPS	25 03.20	
PNT		46.99	62	eP	18 32.00	-0.8
WMQ		47.03	289	P	18 32.50	-0.8
		0.5s	21.00nm			5.4mb
	Z	20s	3.48um			5.3Msz
	E	14s	1.33um			
				PP	20 24.20	
				PcS	23 58.00	
GYA		48.20	257	P	18 42.00	-0.7
SES		50.61	56	eP	19 08.00	7.2X
ARU		52.87	317	eP	19 17.00	-0.7
	Z	18s	1.50um			5.1Msz
	N	16s	1.00um			
	E	18s	1.00um			
LSA		54.82	273	P	19 32.20	-0.7
KSH		56.43	292	eP	19 41.30	-2.8X
	Z	22s	1.87um			5.1Msz
	E	12s	1.07um			
ULM		57.70	48	eP	20 02.50	9.8X
CHG		58.59	258	eP	19 58.00	-1.3
		1.0s	20.00nm			5.2mb
KAF		58.61	337	iP	19 57.30	-1.6
		0.5s	15.50nm			5.4mb
GUN		59.24	276	PKP	20 02.80	-1.3
		0.4s	9.00nm			5.3mb
KKN		59.68	276	PKP	20 04.60	-2.4
		0.4s	17.00nm			5.5mb
PKI		59.76	276	PKP	20 05.40	-2.3
GKN		59.89	277	PKP	20 06.20	-2.2
DMN		59.91	276	PKP	20 05.20	-3.5X
NUR		60.41	337	eP	20 10.80	-0.5
OBN		61.80	327	iPc	20 20.00	-0.8
		1.0s	21.00nm			5.2mb
	Z	20s	1.50um			5.1Msz
	N	18s	1.40um			
	E	17s	1.00um			
				e	21 05.00	
				eS	28 40.00	
UPP		62.51	340	iP	20 25.70	0.3
NB2		62.57	344	P	20 24.80	-1.1
		0.8s	16.40nm			5.2mb
HFS		63.00	342	eP	20 27.10	-1.6
		0.6s	13.80nm			5.3mb
	Z	17s	0.50um			4.8MszX
				LR	45 04.00	
EEO		67.41	40	eP	20 56.00	-1.3
QUE		68.26	292	eP	21 03.70	0.6
KIV		68.92	317	eP	21 06.30	-0.6
	Z	16s	1.07um			5.2MszX
IPM		69.01	247	ePc	21 07.50	-0.1
EKA		70.00	350	Pc	21 12.60	-0.5
		0.6s	14.40nm			5.2mb
OJC		70.91	335	eP	21 18.30	-0.4
KSP		71.17	337	iP	21 20.30	0.0
				e	21 47.40	
WIT		71.18	344	eP	21 21.50	1.2
ERE		71.30	314	eP	21 21.00	-0.4
				e	30 39.00	
CLL		71.44	339	iPc	21 21.10	-0.8
		1.2s	37.00nm			5.3mb
HYB		71.59	274	eP	21 22.50	-0.8
BRG		71.66	339	iP	21 22.80	-0.4
		1.2s	22.00nm			5.1mb
DMU		71.75	352	eP	21 23.30	-0.4
		1.0s	139.00nm			5.9mb
WTS		71.94	343	eP	21 24.50	-0.4
		1.0s	20.00nm			5.1mb
DLF		72.32	352	eP	21 26.70	-0.4
		1.0s	220.00nm			6.1mb
DCN		72.33	353	eP	21 26.80	-0.3
MOX		72.35	340	iPc	21 27.40	0.0
		1.3s	21.00nm			5.0mb
	Z	19s	0.40um			4.7Msz
	N	19s	0.30um			
	E	19s	0.20um			
PRU		72.36	338	Pc	21 27.50	0.1
ETA		72.89	352	eP	21 30.00	-0.4
LMN		73.00	32	eP	21 31.50	0.3
ECB		73.27	352	eP	21 32.40	-0.2
GRF		73.34	340	iPc	21 33.70	0.5
		1.1s	34.00nm			5.3mb
	Z	22s	0.40um			4.7Msz
KHC		73.38	338	eP	21 28.00	-5.4X
		1.2s	17.00nm			4.9mb
				e	21 33.00	
ECP		73.42	352	eP	21 33.20	-0.3
ZST		73.45	336	eP	21 34.30	0.6
				e	52 37.30	
MLR		73.51	329	eP	21 39.00	4.7X
WLF		74.31	343	P	21 39.00	0.3
CTA		75.08	194	iPd	21 42.10	-1.4
		0.4s	25.42nm			5.6mb
CDF		75.32	342	P	21 44.48	-0.2
KBA		75.37	338	iPc	21 46.00	0.9
		1.1s	71.20nm			5.6mb
LIBD		75.51	342	P	21 45.76	0.1
ECH		75.53	342	P	21 45.78	0.0
WTTA		75.57	339	iPc	21 46.70	0.5
		1.3s	32.60nm			5.2mb
FEL		75.70	342	P	21 46.44	-0.5
SLE		75.71	341	ePc	21 46.60	-0.3
VITF		75.73	343	P	21 46.82	-0.1
PTJ		75.87	336	iPd	21 48.40	0.5
HAU		75.87	343	iPc	21 47.70	-0.1
		0.8s	18.95nm			5.1mb
MOF		75.88	342	P	21 47.55	-0.4
ZAG		75.94	335	eP	21 48.80	0.7
FVI		75.95	338	P	21 49.50	1.3
BSF		75.96	342	iPc	21 48.10	-0.3
		1.1s	22.45nm			5.1mb
ZLA		76.01	341	ePc	21 48.40	-0.2
FLN		76.17	347	iPc	21 48.80	-0.6
		1.0s	34.40nm			5.3mb
BBS		76.19	342	P	21 49.47	-0.1
LDF		76.29	347	iPc	21 49.60	-0.5
		0.9s	22.75nm			5.2mb
LOMF		76.42	342	P	21 50.87	-0.1
OSS		76.42	340	ePc	21 51.60	0.5
LLS		76.48	341	ePc	21 51.80	0.4
GRR		76.59	348	iPc	21 51.50	-0.2
		0.7s	37.25nm			5.5mb
CTI		76.72	339	P	21 52.70	0.1
VDL		76.75	340	ePc	21 53.70	0.7
LPF		76.96	348	iPc	21 53.80	0.0
		0.9s	24.90nm			5.2mb
LOR		77.01	344	iPc	21 53.90	-0.2
		0.7s	19.30nm			5.2mb
TMA		77.24	340	ePc	21 55.90	0.3
LBF		77.26	344	iPc	21 55.30	-0.3
		0.9s	9.00nm			4.8mb
SSF		77.26	344	iPc	21 55.40	-0.1
		0.8s	12.65nm			5.0mb
WB2		77.31	206	iPd	21 49.60	-6.4X
		0.6s	14.50nm			5.2mb
WRA		77.32	206	P	21 50.00	-6.0X
		0.6s	6.80nm			4.9mb
MMK		77.46	341	ePc	21 57.80	0.9
VAI		77.48	340	P	21 56.90	0.2
DIX		77.54	341	ePc	21 58.20	0.8
AVF		77.55	344	iPc	21 57.20	0.1
		0.9s	32.75nm			5.4mb
SMF		77.62	344	iPc	21 57.50	0.0
		1.0s	19.40nm			5.1mb
BGF		77.86	345	iPc	21 58.90	0.1
		0.7s	9.50nm			4.9mb
KOD		77.92	271	eP	22 00.80	0.8
LSD		78.19	341	P	22 01.64	0.7
LPL		78.21	342	iPc	22 02.20	1.2
		1.0s	59.40nm			5.6mb
TCF		78.22	345	iPc	22 01.00	0.2
		1.0s	21.20nm			5.1mb
LPG		78.22	342	iPc	22 02.40	1.2
		1.0s	51.80nm			5.5mb
MAF		78.23	345	iPc	22 01.40	0.6
		0.8s	13.05nm			5.0mb
MFF		78.25	347	iPc	22 01.20	0.3
		1.0s	20.60nm			5.1mb

AGO 78.31 344 P 22 02.07 0.8
PLDF 78.31 344 P 22 02.02 0.7
LSF 78.36 346 iPc 22 01.80 0.3
0.8s 18.00nm 5.1mb
BOB 78.40 340 P 22 02.80 0.9
RSP 78.46 341 P 22 01.84 -0.4
PYM 78.62 344 P 22 03.75 0.7
BNI 78.67 342 P 22 04.60 1.2
SFI 78.70 338 P 22 04.90 1.5
RRL 78.78 342 P 22 05.12 1.0
PCP 78.80 340 P 22 03.79 -0.3
BDI 78.84 339 P 22 05.60 1.3
CKI 78.97 340 P 22 04.90 0.0
LBL 79.09 344 P 22 06.29 0.7
PZZ 79.12 341 P 22 04.92 -1.0
FIN 79.19 340 P 22 05.64 -0.5
RJF 79.28 345 iPc 22 07.20 0.6
1.1s 19.55nm 5.0mb
ENR 79.32 341 P 22 04.92 -2.0
STV 79.33 341 P 22 05.43 -1.5
IMI 79.54 340 P 22 07.89 -0.2
CAF 79.57 345 iPc 22 09.20 1.0
1.0s 25.60nm 5.2mb
SBF 79.67 341 iPc 22 09.00 0.2
1.1s 55.20nm 5.5mb
LFF 79.75 346 iPc 22 10.00 0.9
1.0s 35.60nm 5.3mb
LPO 79.94 345 iPc 22 11.00 0.9
0.8s 28.05nm 5.3mb
FRF 80.11 341 iPc 22 11.60 0.5
1.2s 24.70nm 5.1mb
LRG 80.27 341 iPc 22 12.70 0.8
1.0s 35.20nm 5.3mb
SDI 80.34 336 P 22 12.50 0.1
LMR 80.36 341 iPc 22 13.10 0.7
0.9s 29.65nm 5.3mb
PGF 80.62 339 iPc 22 14.20 0.3
0.6s 13.55nm 5.1mb
HRI 80.85 316 eP 22 15.60 0.3
ASPA 81.00 205 iPc 22 15.40 -0.5
0.9s 16.20nm 5.0mb
ROI 81.65 333 P 22 20.00 0.7
EPF 81.68 346 iPc 22 19.80 0.4
1.1s 11.70nm 4.8mb
JVI 82.18 316 eP 22 22.50 0.4
GRI 82.40 333 P 22 23.61 0.5
1.0s 51.70nm 5.5mb
EGRA 82.60 346 eP 22 26.50 2.4
SOI 83.19 333 P 22 26.90 -0.3
MBH 84.26 315 eP 22 32.90 0.0
GUD 84.62 349 eP 22 35.20 0.6
ECHE 85.24 346 eP 22 39.50 1.9
WARB 85.37 210 eP 22 38.00 -0.2
0.5s 5.00nm 5.0mb
EPLA 85.40 350 eP 22 39.00 0.6
EVIA 86.39 347 eP 22 44.10 0.7
EHUE 87.21 347 eP 22 48.60 1.2
STK 87.37 196 eP 22 46.90 -0.9
0.7s 2.00nm 4.5mb
EGUA 88.30 348 eP 22 52.50 -0.1
EPRU 88.37 349 eP 22 52.50 -0.4
ZOBO 126.55 64 ePKP 29 04.00 -1.4
LR 13 04.00
LPB 126.77 65 PKP 29 05.00 -0.6
CNCB 127.06 65 PKP 29 06.00 -0.3
SPA 144.06 180 iPKPc 29 31.10 -4.7X
0.9s 9.09nm
AIA 155.32 134 ePKP 29 44.20 -8.5X
S.D. = 0.9 on 168 of 189 obs.

% JUN 28, 1992 06h 38m 14.36± 2.20s
10.705 N ±24.7km 69.120 W ±14.3km
DEPTH = 10.0km (geophysicist)
VENEZUELA (101)

MORO 0.81 78 iP 38 28.80 -1.3
iS 38 41.40
TOV 1.13 216 ePnc 38 34.90 -0.6
iSn 38 50.80
CEOS 1.84 155 iP 38 46.10 -0.2
iS 39 09.30
CAR 2.16 95 eP 38 52.30 1.2
eS 39 21.60
LLAV 2.28 96 eP 38 54.40 1.6
eS 39 26.10
SDV 2.34 220 ePnd 38 54.30 0.6
iSn 39 26.70
OLLA 2.38 106 eP 38 53.90 -0.2
eS 39 23.00
GUAN 3.50 102 eP 39 08.90 -1.1
S.D. = 1.2 on 8 of 8 obs.

? JUN 28, 1992 06h 41m 00.16± 0.97s
16.641 S ±23.6km 172.698 W ±25.5km
DEPTH = 33.0km (normal)
4.9mb (3 obs.)
SAMOA ISLANDS REGION (169)

AFI 2.86 18 eP 41 44.00 -0.5
eS 42 10.00
DZM 20.40 251 iPc 45 38.50 1.3
TOO 42.22 232 eP 48 51.00 -0.9
e 49 45.00
WRA 50.23 258 P 49 49.70 -5.7X
0.7s 2.50nm 4.3mb
ASPA 50.38 253 iPd 49 55.10 -1.5
0.7s 13.00nm 5.0mb
eS 57 08.00
PNT 80.70 32 eP 53 11.00 -0.4
SES 85.84 34 eP 53 38.00 0.4
BJI 86.81 313 eP 53 43.00 0.5
1.2s 16.00nm 5.1mb
KSP 145.13 350 ePKP 00 35.20 -0.6
MOX 145.90 355 ePKP 00 37.50 0.4
PRU 146.23 352 PKP 00 39.00 1.3
GRF 146.88 355 ePKP 00 42.00 3.3X
KHC 147.19 352 ePKP 00 41.50 2.2X
1.5s 13.00nm
FLN 147.34 10 iPKPd 00 42.00 2.5X
1.0s 6.80nm
LDF 147.56 9 iPKPd 00 42.80 3.0X
1.0s 4.00nm
GRR 147.64 10 iPKPd 00 43.40 3.5X
1.0s 6.20nm
LPF 147.95 11 iPKPd 00 44.10 3.7X
0.9s 8.70nm
CDF 148.31 0 iPKPd 00 45.40 4.2X
1.0s 4.00nm
HAU 148.71 1 iPKPd 00 46.20 4.4X
LOR 149.33 5 iPKPd 00 48.00 5.3X
1.1s 5.35nm
SSF 149.50 5 iPKPd 00 48.60 5.7X
1.1s 7.55nm
LBF 149.62 5 iPKPd 00 48.80 5.6X
1.1s 6.60nm
LPL 151.21 1 iPKPd 00 53.70 7.8X
LPG 151.23 1 iPKPd 00 53.90 7.9X
1.1s 4.90nm
LFF 151.25 10 iPKPd 00 52.60 7.0X
0.9s 7.20nm
S.D. = 1.0 on 10 of 25 obs.

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* JUN 28, 1992 06h 44m 02.29± 0.98s
28.630 S ± 8.2km 179.166 W ±21.1km
DEPTH = 431.1 ± 12.0 km
4.7mb (4 obs.)
KERMADEC ISLANDS REGION (177)

RAO 1.26 120 P 44 58.10 -0.2
S 45 45.50
HBZ 9.19 193 eP 46 12.60 0.5
PUZ 9.66 192 eP 46 16.80 -0.6
eS 48 04.00
URZ 10.09 197 eP 46 23.20 0.9
eS 48 13.90
WLZ 10.20 204 eP 46 27.20 3.6X
NOZ 10.23 192 eP 46 23.60 -0.3
TAZ 10.23 200 eP 46 27.80 3.9X
PATZ 10.45 200 eP 46 29.20 2.8X
PAHZ 10.68 196 eP 46 30.30 1.4
MAHZ 10.81 192 eP 46 34.20 3.8X
TTH 11.38 196 eP 46 38.40 1.8
WAHZ 11.65 197 P 46 39.80 0.2
PGZ 12.53 196 P 46 50.70 1.6
MNG 12.74 199 eP 46 50.50 -0.9
eS 49 07.80
KIW 13.13 200 eP 46 55.90 0.3
MTW 13.24 198 eP 46 56.00 -0.8
CAW 13.31 199 eP 46 56.70 -0.9
BLW 13.44 198 eP 46 56.30 -2.6
MRW 13.53 200 eP 47 00.00 0.1
eS 49 23.20
MOW 13.55 198 eP 47 00.50 0.4
TCW 13.65 201 eP 46 59.40 -1.7
eS 49 24.60
ORZ 13.94 207 P 46 50.30 -14.0X
DZM 14.55 293 iPc 47 10.30 -0.5
KHZ 14.97 201 eP 47 15.40 0.4
eS 49 50.10
CTA 32.54 277 iPd 49 58.20 0.8
0.7s 68.84nm 5.2mb
LAT 38.72 298 eP 50 48.80 0.0
WB2 43.02 271 iPc 51 18.30 -5.3X
0.5s 19.60nm 4.8mb
WRA 43.03 271 P 51 18.90 -4.7X
0.7s 7.00nm 4.2mb
MAT 76.21 326 eP 55 06.00 -0.1
1.0s 19.00nm 4.7mb
LOF 139.75 353 ePdiff59 26.49 -30.0X
NUR 144.31 340 ePKP 02 49.00 0.3
UPP 146.75 345 iPKP 02 55.90 3.2X
NB2 146.85 351 PKP 02 56.70 3.8X
0.9s 8.50nm
HFS 147.31 348 ePKP 02 56.70 3.1X
0.9s 10.20nm
SSF 161.48 354 iPKPc 04 01.80 49.1X
0.8s 4.45nm
AVF 161.76 354 iPKPc 04 02.90 49.9X
SMF 161.86 353 iPKPc 04 03.40 50.3X
0.9s 7.85nm
MAF 162.39 356 iPKPc 04 06.00 52.3X
0.8s 2.55nm
LPL 162.51 346 iPKPc 04 07.30 53.2X
LPG 162.52 346 iPKPc 04 07.40 53.2X
0.9s 2.80nm
S.D. = 1.1 on 23 of 40 obs.

JUN 28, 1992 06h 52m 27.63± 0.86s
5.963 S ± 4.1km 154.401 E ± 5.5km
DEPTH = 76.2 ± 7.7 km
5.1mb (23 obs.)
SOLOMON ISLANDS (193)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 15C
Centroid Location:
Origin Time 06:52:34.2 1.1
Lat 5.98S FIX;Lon 154.38E FIX
Dep 69.0 FIX Half-duration 1.3
Moment Tensor; Scale 10**16 Nm
Mrr= 2.57 0.52 Mtt=-1.17 0.58
Mff=-1.40 0.87 Mrt=-0.31 0.67
Mrf= 2.37 0.46 Mtf=-0.75 0.61
Principal Axes:
T Val= 3.75 Plg=64 Azm=254
N -1.04 14 16
P -2.71 21 112
Best Double Couple:Mo=3.2*10**16
NP1:Strike=226 Dip=27 Slip= 123
NP2: 10 67 74

RAB 2.83 308 eP 53 12.00 0.4
0.8s 597.02nm
iS 53 44.00
HNR 6.49 122 eP 54 02.00 -0.5
eS 55 08.00
FINC 6.54 264 eP 54 03.80 0.6
LAT 7.39 264 eP 54 13.50 -1.5
PMG 7.96 244 eP 54 19.00 -3.8X
MNDI 10.69 268 eP 55 01.10 0.9
WWKK 10.99 282 eP 55 06.00 1.9
CTA 16.12 209 eP 56 11.10 0.1
0.8s 97.39nm 5.0mb
BKM 17.84 132 iPd 56 33.50 1.1
DZM 19.80 145 iPd 56 53.90 -0.8
OIS 20.41 223 eP 56 59.50 -1.5
0.8s 45.00nm 4.9mb
i 57 09.50
i 57 19.60
RMO 21.11 194 iPd 57 08.00 0.0
0.5s 41.00nm 5.0mb
i 57 24.00
PJG 21.61 334 eP 57 10.70 -2.4
OLP 22.68 204 eP 57 24.00 0.4
WB2 23.93 233 iPd 57 31.30 -4.5X
0.7s 28.40nm 4.8mb
i 57 48.80
iPcP 01 13.00
MTN 23.94 252 eP 57 36.00 0.1
ARMA 24.47 186 iPc 57 42.10 1.1
0.9s 101.00nm 5.3mb

28d 06h

```
             i        57 57.90
ASPA   26.44 226 iPd  57 59.20  -0.1
       0.5s     8.50nm        4.5mb
             e        01 23.50
CMS    26.63 197 eP   58 01.00   0.0
KNA    26.96 247 eP   58 04.00   0.0
STK    28.43 203 iPc  58 16.30  -1.0
       0.8s     5.00nm        4.2mb
             eScP     05 05.50
BWA    28.86 190 eP   58 20.20  -0.9
CAN    29.64 189 eP   58 28.30   0.2
BIP    31.41 296 iPd  58 42.50  -1.4
ADE    32.29 205 eP   58 51.00  -0.4
TOO    32.49 193 iPc  58 53.00  -0.1
       0.8s    28.00nm        5.1mb
WARB   33.26 230 eP   58 59.50  -0.4
       0.4s     4.00nm        4.6mb
PLP    33.87 300 ePd  59 05.50   0.3
PCI    34.85 277 ePd  59 18.10   4.4X
       0.8s    25.50nm        5.2mb
             e        01 22.50
MNG    39.34 154 P    59 50.90  -0.2
MEEK   39.81 235 iPd  59 55.00  -0.2
LTZ    39.93 159 P    59 56.30   0.3
BAL    43.04 231 eP   00 21.00  -0.6
KAGJ   43.24 330 eP   00 23.00  -0.1
MUN    44.05 229 eP   00 29.00  -0.7
KUMJ   44.37 331 P    00 32.70   0.4
MAT    44.92 341 eP   00 35.00  -1.6
SHNJ   45.55 333 P    00 41.00  -0.6
OZH    46.45 313 Pc   00 50.00   1.2
       0.8s    40.00nm        5.4mb
WHN    52.79 316 eP   01 38.50   1.1
IPM    54.31 280 ePc  01 48.00  -0.9
       1.0s    76.20nm        5.7mb
TIA    54.59 323 eP   01 49.20  -1.4
MDJ    55.07 339 eP   01 53.00  -0.9
CN2    56.01 335 eP   01 59.60  -1.1
       1.0s    12.00nm        4.9mb
GYA    56.36 307 P    02 04.20   0.5
BJI    57.74 326 eP   02 12.00  -0.9
TIY    58.42 322 eP   02 18.00   0.1
XAN    58.56 316 P    02 18.60  -0.3
KMI    58.95 304 Pc   02 23.60   1.6
       1.0s    20.00nm        5.2mb
CHG    59.92 296 ePc  02 29.00   0.5
       1.3s    26.44nm        5.2mb
CD2    60.70 310 P    02 34.20   0.6
       0.8s    96.00nm        6.0mb
HHC    60.92 324 eP   02 35.00   0.0
BTO    61.68 323 eP   02 40.00  -0.2
LZH    63.17 315 Pc   02 50.80   0.6
       1.5s    62.00nm        5.4mb
             pP       03 06.50  58kmX
             sP       03 18.50
GTA    67.59 317 iPc  03 19.40   0.9
       1.0s    25.00nm        5.1mb
LSA    70.21 304 iPc  03 36.50   1.3
       0.6s    75.00nm        5.8mb
YAK    70.41 348 eP   03 35.30   0.1
       0.8s    40.00nm        5.4mb
GUN    74.08 301 Pc   03 57.60  -0.5
PKI    74.39 301 Pc   03 59.20  -0.7
KKN    74.56 301 Pc   04 00.00  -0.7
DMN    74.66 301 Pc   04 01.00  -0.4
GKN    75.17 301 Pc   04 03.60  -0.5
WMQ    77.67 317 P    04 18.00   0.3
KOD    78.28 282 eP   04 23.00   1.2
HYB    78.38 289 eP   04 21.90  -0.1
NDI    81.69 300 iPd  04 39.80   0.4
SPA    84.08 180 eP   04 52.90   1.8
       0.9s    20.45nm        5.2mb
KSH    84.88 310 P    04 57.20   1.6
MAW    85.12 203 eP   04 57.00   0.9
       1.0s    18.00nm        5.1mb
YKA    95.71  28 eP   05 47.90   2.0
       0.8s     0.60nm        4.1mb
CNCB  132.38 119 PKP  11 38.00   1.6
             e        15 01.00
LPB   132.39 119 (PKP) 11 34.00  -2.3
             e        15 05.00
ZOBO  132.47 118 ePKP 11 28.00  -8.7X
             i        15 03.50
   S.D. = 1.0  on  69 of  73 obs.
-------------------------------------
? JUN 28, 1992 07h 20m 50.13± 4.74s
  42.607 N ±12.2km   12.338 E ±43.2km
  DEPTH =  10.0km  (geophysicist)
 CENTRAL ITALY                  (381)

ASS     0.52  27 P      21 00.60  -0.1
                 eSg    21 05.70
AQU     0.83 107 P      21 06.20   0.0
                 eSg    21 15.70
ARV     0.99  26 P      21 09.10   0.1
                 eSg    21 19.60
SDI     1.42 129 P      21 16.00   0.0
                 eSn    21 34.50
   S.D. = 0.1  on   4 of   4 obs.
-------------------------------------
* JUN 28, 1992 07h 37m 29.54± 1.39s
  46.560 N ±11.0km   15.367 E ± 9.3km
  DEPTH =  10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION     (383)
     ML 2.4 (VIE), 2.5 (ZAG). MD 2.7
     (LJU). Felt (IV) along the
     Austria-Slovenia border.

LJU     0.78 229 ePg    37 45.40   0.7
                 eSg    37 55.10
PTJ     0.78 148 iPgd   37 44.70   0.0
                 iSg    37 59.00
ZAG     0.86 150 ePg    37 47.00   1.0
                 iSg    38 01.00
CEY     1.05 219 ePg    37 49.00  -0.4
                 i      37 50.00
                 eSg    38 03.40
VBY     1.06 184 e(Pg)  37 48.00  -1.5
                 eSg    38 05.70
VOY     1.15 243 iPgc   37 51.80   0.7
                 iSg    38 07.00
                 e      38 09.50
KBA     1.48 291 iPgc   37 55.60  -0.8
                 i      38 13.90
                 iSg    38 15.50
WTTA    2.65 287 iPnc   38 13.60   0.3
   S.D. = 1.0  on   8 of   8 obs.
-------------------------------------
? JUN 28, 1992 07h 57m 34.94± 0.96s
  39.116 N ± 8.2km   27.623 E ± 9.7km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                         (366)

IZM     0.77 202 iPg    57 49.90  -0.1
                 iSg    57 59.90
DST     0.92  58 iPn    57 52.80   0.2
EZN     1.23 306 ePn    57 58.00   0.2
BNT     1.26  10 ePn    57 58.00  -0.3
   S.D. = 0.5  on   4 of   4 obs.
-------------------------------------
% JUN 28, 1992 08h 23m 27.65± 2.93s
  37.864 N ±27.0km   27.890 E ± 9.9km
  DEPTH =  10.0km  (geophysicist)
 TURKEY                         (366)

IZM     0.73 317 iPg    23 41.40  -0.6
                 iSg    23 50.20
KHL     1.37  70 iPn    23 52.50  -0.3
DST     1.83  18 iPn    23 59.20  -0.3
ALT     2.11  55 ePn    24 04.00   0.5
EZN     2.31 329 ePn    24 07.00   0.7
BNT     2.49   1 ePn    24 09.00   0.2
YLV     2.93  23 ePn    24 15.00  -0.2
   S.D. = 0.6  on   7 of   7 obs.
-------------------------------------
? JUN 28, 1992 08h 44m 53.60± 1.62s
  31.104 N ±17.4km  141.776 E ±44.5km
  DEPTH =  33.0km  (normal)
  4.3mb (  4 obs.)
 SOUTH OF HONSHU, JAPAN         (211)

MAT     6.18 332 eP     46 24.00  -1.0
        1.0s    20.00nm        4.8mb
                 eS     47 31.00
BJI    22.59 300 eP     49 53.00   0.6
WB2    51.25 189 eP     53 55.90  -0.4
        0.7s     3.90nm        4.5mb
WRA    51.25 189 P      53 56.20  -0.2
        0.6s     1.70nm        4.2mb
ASPA   54.98 189 iPc    54 29.40   5.4X
NB2    79.77 338 P      57 00.60   1.0
        0.9s     2.50nm        4.2mb
ZOBO  149.02  68 ePKP   04 26.00 -11.0X
LPB   149.18  69 (PKP)  04 46.00   9.0X
CNCB  149.43  69 ePKP   04 48.00  10.5X
   S.D. = 1.1  on   5 of   9 obs.
-------------------------------------
? JUN 28, 1992 08h 54m 59.67± 1.22s
  6.424 S ±15.0km  129.967 E ±27.4km
  DEPTH = 144.5 ± 25.5 km
  4.9mb (  3 obs.)
 BANDA SEA                      (280)

AAI     3.24 327 eP     55 50.50   0.0
MTN     6.48 170 iPc    56 34.70   0.8
        0.3s   230.00nm        6.1mb X
                 eS     57 45.00
KNA     9.34 187 iPc    57 11.50  -0.7
                 eS     58 59.00
WB2    14.10 163 iPd    58 06.80  -7.4X
        0.4s    30.90nm        5.0mb
                 eS     00 35.30
QIS    16.88 147 eP     58 48.50  -0.3
                 eS     01 45.50
LAT    16.92  92 eP     58 38.70 -10.7X
ASPA   17.56 168 iPd    58 56.80  -0.3
        0.4s    33.70nm        5.0mb
                 eS     02 01.80
WARB   19.90 189 iPc    59 22.60   0.5
        0.4s     4.00nm        4.2mb
   S.D. = 0.9  on   6 of   8 obs.
-------------------------------------
& JUN 28, 1992 09h 42m 30.54s
  34.195 N          116.439 W
  DEPTH =   0.1km
 SOUTHERN CALIFORNIA            ( 43)
     <PAS-P>. ML 3.0 (PAS), 2.9 (GS).

PEC     0.67 243 iP     42 43.44  -0.5
PLM     0.91 203 iPd    42 47.57  -1.1
                 iS     43 00.70
SSK     1.04 271 ePc    42 50.06  -1.2
GLA     1.76 130 ePn    43 00.28  -2.3
ISA     2.22 312 ePn    43 07.14  -2.1
ABL     2.39 287 ePn    43 10.09  -1.7
BCH     3.16 289 ePn    43 21.84  -0.8
PHAM    3.64 298 ePn    43 28.17  -1.2
TNP     3.93 351 ePn    43 32.28  -1.4
BONR    4.04 339 ePn    43 35.49   0.1
ARUT    4.33  33 ePn    43 37.08  -2.3
MSU     5.51  37 ePn    43 54.72  -1.5
      12 obs. associated
-------------------------------------
? JUN 28, 1992 10h 13m 09.19± 2.44s
  4.020 S ±24.7km  133.971 E ±17.5km
  DEPTH =  33.0km  (normal)
  4.3mb (  3 obs.)
 IRIAN JAYA REGION, INDONESIA   (196)

AAI     5.77 273 eP     14 35.00   0.2
MTN     9.21 198 eP     15 22.20  -0.6
        0.4s    55.00nm        6.1mb X
                 eS     17 00.50
KNA    12.73 203 eP     16 10.00  -0.7
WB2    15.83 179 eP     16 43.50  -7.9X
        0.4s    10.20nm        4.3mb
                 iS     19 30.70
QIS    17.33 162 eP     17 11.50   1.2
                 eS     20 13.50
ASPA   19.53 180 iPd    17 38.50   1.4
        1.2s    17.50nm        4.2mb
                 eS     21 06.20
CTA    19.96 144 eP     17 40.20  -1.4
        0.5s    12.68nm        4.5mb
                 eS     21 57.80
CNCB  150.02 134 PKP    33 05.00  10.5X
ZOBO  150.25 133 PKP    33 06.00  11.1X
   S.D. = 1.4  on   6 of   9 obs.
-------------------------------------
% JUN 28, 1992 10h 20m 26.92± 1.13s
  43.314 N ±11.2km   18.059 E ± 6.8km
  DEPTH =  10.0km  (geophysicist)
 NORTHWESTERN BALKAN REGION     (383)
     ML 2.6 (TTG).

BRY     0.54 139 iPgc   20 36.83  -1.1
                 iSg    20 45.70
NKY     0.85 126 iPgd   20 42.77  -0.6
                 iSg    20 55.65
HCY     0.92 159 iPgd   20 44.08  -0.5
                 iSg    20 58.50
```

PLE 0.97 89 iPgc 20 44.72 -0.8
iSg 20 59.18
BDV 1.18 151 iPgc 20 49.05 0.2
iSg 21 06.86
HVAR 1.18 264 e(Pn) 20 48.70 -0.3
iSn 21 07.70
TTG 1.25 135 iPgd 20 50.15 0.0
iSg 21 09.16
IVA 1.42 108 iPgc 20 53.26 0.4
iSg 21 14.26
PVY 1.58 116 iPnc 20 56.20 1.1
iSn 21 19.12
ULC 1.61 147 iPnc 20 57.12 1.6
iSn 21 20.10
S.D. = 1.0 on 10 of 10 obs.

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* JUN 28, 1992 10h 32m 20.83± 3.39s
37.779 N ±30.4km 27.875 E ±11.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

IZM 0.78 322 iPg 32 36.50 0.4
eSg 32 45.50
KHL 1.41 67 iPn 32 47.00 0.4
DST 1.92 18 iPn 32 54.00 0.1
ALT 2.17 53 ePn 32 57.00 -0.6
EZN 2.38 330 ePn 33 00.00 -0.4
BNT 2.57 1 iPn 33 02.90 -0.3
YLV 3.02 22 ePn 33 10.00 0.4
GYN 3.39 40 eP 33 24.20 9.2X
NAL 3.61 47 eP 33 29.50 11.5X
S.D. = 0.5 on 7 of 9 obs.

% JUN 28, 1992 11h 51m 37.12± 0.58s
42.386 N ± 5.2km 13.099 E ± 5.6km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

AQU 0.23 98 P 51 41.50 -0.5
eSg 51 46.80
MNS 0.31 270 P 51 43.50 -0.1
eSn 51 49.00
AZI 0.47 148 P 51 47.00 0.3
eSg 51 55.00
RDP 0.69 205 P 51 50.50 -0.3
eSg 52 00.00
ASS 0.76 335 P 51 52.10 0.1
eSg 52 03.10
SDI 0.86 142 P 51 54.10 0.3
eSn 52 08.00
ARV 1.12 354 P 51 58.20 0.1
S.D. = 0.4 on 7 of 7 obs.

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* JUN 28, 1992 11h 55m 21.34± 1.69s
15.360 S ±11.5km 167.493 E ±11.7km
DEPTH = 141.7 ± 14.3 km
5.1mb (7 obs.)
VANUATU ISLANDS (186)

BKM 2.41 163 iP 56 01.50 0.1
iS 56 35.00
DZM 6.75 188 iPc 56 58.90 -0.4
iS 58 17.50
RMQ 20.68 235 eP 59 52.00 0.1
0.4s 16.00nm 4.8mb
WLZ 23.54 164 eP 00 20.40 0.7
OLP 24.38 239 iPc 00 28.20 0.4
0.6s 43.00nm 5.1mb
PUZ 24.54 159 eP 00 31.00 1.7
NOZ 24.96 160 eP 00 32.80 -0.3
MNG 26.11 166 P 00 42.20 -1.5
0.4s 19.00nm 5.1mb
LTZ 27.63 172 P 00 57.00 -0.5
0.7s 44.00nm 5.2mb
STK 28.76 231 iPc 01 07.60 -0.1
0.3s 15.60nm 5.2mb
iPcP 04 12.80
TOO 29.48 217 iPd 01 14.20 0.1
0.8s 25.00nm 5.0mb
WB2 31.88 257 eP 01 26.80 -8.4X
0.7s 6.60nm 4.5mb
SHI 118.95 296 ePKP 13 46.00 -9.4X
MOS 124.53 328 iPdiff10 27.00 -13.2X
1.4s 480.00nm
e 20 55.00
e 21 05.00
ANN 128.88 316 ePdiff11 13.00 13.1X

e 21 47.00
ePS 24 08.00
eSS 29 24.00
FLN 145.26 346 iPKPc 14 41.80 -1.8
0.6s 45.80nm
LDF 145.33 346 iPKPc 14 42.10 -1.6
0.6s 21.45nm
LOR 145.40 340 iPKPc 14 42.80 -1.2
0.5s 15.60nm
LBF 145.61 340 iPKPc 14 43.70 -0.7
0.5s 15.15nm
GRR 145.69 346 iPKPc 14 43.60 -0.8
0.6s 31.10nm
SSF 145.70 340 iPKPc 14 43.90 -0.5
0.4s 16.65nm
LPL 145.85 336 iPKPc 14 44.90 -0.2
0.7s 20.50nm
LPG 145.86 336 iPKPc 14 45.10 -0.1
0.5s 14.60nm
SMF 145.95 340 iPKPc 14 44.60 -0.3
0.6s 7.75nm
AVF 145.99 340 iPKPc 14 44.30 -0.6
0.7s 22.60nm
LPF 146.07 346 iPKPc 14 44.70 -0.3
0.6s 23.35nm
BGF 146.35 341 iPKPc 14 45.70 0.2
0.4s 15.30nm
MAF 146.74 341 iPKPc 14 46.90 0.7
0.8s 15.60nm
TCF 146.79 341 iPKPc 14 46.90 0.6
0.8s 18.55nm
SBF 146.90 333 iPKPc 14 46.90 0.3
0.6s 21.45nm
LSF 147.04 342 iPKPc 14 47.40 0.8
0.4s 18.15nm
MFF 147.18 344 iPKPc 14 48.00 1.2
0.6s 25.35nm
PGF 147.21 330 iPKPc 14 48.10 0.9
0.9s 22.75nm
BCAO 147.60 254 ePKPc 14 48.00 -0.5
0.2s 32.00nm
i 14 50.20
i 16 37.00
LMR 147.73 334 iPKPc 14 49.30 1.5
0.9s 12.30nm
RJF 147.89 341 iPKPc 14 50.10 2.1
0.7s 8.05nm
LFF 148.46 342 iPKPc 14 51.60 2.7X
0.7s 11.35nm
LPO 148.55 341 iPKPc 14 51.90 2.8X
0.7s 12.55nm
S.D. = 1.0 on 32 of 38 obs.

& JUN 28, 1992 11h 57m 34.12s
34.201 N 116.436 W
DEPTH = 1.1km
6.2mb (123 obs.) 7.6Msz (39 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. Mo=2.0*10**20 Nm (PPT). One person was killed at Yucca Valley, two people died of heart attacks, more than 400 people were injured and substantial damage occurred in the Landers-Yucca Valley area. Maximum intensity IX. Preliminary estimate of damage for this earthquake plus the following magnitude 6.7 event at 1505 UTC is 92 million U.S. dollars. Felt throughout southern California, southern Nevada, western Arizona and southern Utah. Felt in high-rise buildings as far north as Boise, Idaho and as far east as Albuquerque, New Mexico and Denver, Colorado. Surface faulting observed along a 70-kilometer segment from Joshua Tree to near Barstow with as much as 5.5 meters of horizontal displacement and as much as 1.8 meters of vertical displacement. Seiches were reported as far north as Lake Union, Washington and as far east as Aurora, Colorado and Corpus Christi, Texas.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=340 Dip=82 Slip= 174
NP2: 71 84 8
Principal Axes:
T Plg=10 Azm=296
P 1 205
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 3.0±0.7*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 22
Moment Tensor; Scale 10**19 Nm
Mrr= 0.51 Mtt=-3.94
Mff= 3.43 Mrt= 0.97
Mrf= 0.23 Mtf= 5.48
Principal axes:
T Val= 6.42 Plg= 6 Azm=298
N 0.51 81 76
P -6.93 6 208
Best Double Couple:Mo=6.7*10**19
NP1:Strike=343 Dip=81 Slip= 180
NP2: 73 90 9
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 79C M.W.: 31S, 75C
Centroid Location:
Origin Time 11:57:53.0 0.1
Lat 34.65N 0.01 Lon 116.65W 0.01
Dep 15.0 FIX Half-duration 19.2
Moment Tensor; Scale 10**19 Nm
Mrr=-0.88 0.07 Mtt=-6.12 0.07
Mff= 7.00 0.06 Mrt= 3.81 0.39
Mrf= 0.10 0.39 Mtf= 7.34 0.05
Principal Axes:
T Val= 10.53 Plg= 9 Azm=296
N 0.10 68 48
P -10.63 20 202
Best Double Couple:Mo=1.1*10**20
NP1:Strike=341 Dip=70 Slip=-172
NP2: 248 82 -20

PFO 0.59 182 ePn 57 45.42 -0.5
PEC 0.68 243 iPd 57 47.02 -0.6
PLM 0.92 203 iPd 57 51.54 -0.9
SSK 1.04 271 iPc 57 53.77 -1.0
ISA 2.22 312 ePn 58 14.09 1.4
ABL 2.39 287 ePc 58 13.16 -2.1
SBC 2.72 276 ePn 58 20.32 0.5
TPNV 2.75 3 ePn 58 22.89 2.6
S 59 05.14
BCH 3.16 289 ePnc 58 23.73 -2.4
PKEM 3.54 303 ePn 58 29.51 -1.8
PHAM 3.64 298 ePnc 58 31.13 -1.7
TNP 3.92 351 iPnc 58 36.22 -0.8
BONR 4.04 339 iPnd 58 37.85 -0.9
ARUT 4.33 33 iPnd 58 41.13 -1.6
KVN 5.02 345 iPnc 58 51.74 -0.9
ARN 5.20 309 iPnc 58 52.00 -3.0
MSU 5.51 37 eP 58 57.87 -1.7
DUG 6.64 25 eP 59 14.06 -1.4
ORV 6.71 324 ePnd 59 14.79 -1.5
NWRM 6.72 311 ePnc 59 12.83 -3.5
SRU 6.82 42 eP 59 17.41 -0.6
EMUT 7.18 37 eP 59 22.95 -0.1
DAU 7.45 32 eP 59 26.83 0.0
LTCM 7.52 325 eP 59 28.78 1.2
HVU 8.10 20 eP 59 34.65 -1.2
ALQ 8.26 82 ePnd 59 36.89 -1.3
ANMO 8.26 82 ePn 59 36.77 -1.5
LBFM 8.34 330 ePnc 59 39.92 0.7
FHC 8.91 320 eP 59 46.93 0.0
GOL 10.41 55 ePd 00 05.73 -2.2
VGB 11.78 345 eP 00 28.96 2.6
SHW 12.77 341 eP 00 41.39 1.7
LON 13.18 344 ePc+ 00 46.20 1.1
BMW 13.30 339 eP 00 47.81 1.1
DPW 13.72 355 eP 00 53.14 0.9
RMW 13.85 345 eP 00 55.70 1.8
MZX 14.03 139 (P) 01 01.20 4.8
GMW 14.16 342 eP 00 58.68 0.7

28d 12h

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MCW    15.23 344 eP     01 14.23   2.2
                 eS     05 38.80
PNT    15.29 352 P      01 14.60   1.9
PGC    15.35 342 eP     01 16.00   2.5
       1.3s  2315.00nm          6.4mb
OCO    15.62  80 iPc    01 18.00   0.8
FNO    15.69  81 iPc    01 20.10   2.1
SIO    16.57  79 eP     01 32.60   3.3
                 e      01 35.80
                 e      01 40.00
SES    16.66  12 eP     01 32.00   1.6
       1.4s  4537.00nm          6.4mb
TUL    16.99  78 ePd+   01 35.10   0.5
       1.1s  1835.40nm          6.1mb
     Z 18s   1589.74um          4.7MszX
                 e      01 37.20
                 e      01 40.30
                 e      03 01.80
                 S      05 15.00
                 LR     06 18.00
                 Lg     06 36.80
VVO    17.05  80 eP     01 34.90  -0.4
                 e      01 38.80
                 e      01 41.40
AGX    17.48 131 eP     01 45.61   4.9
CGX    18.47 138 iP     02 00.46   7.1
MRX    19.79 133 iP     02 11.16   2.4
OLY    20.52  79 eP     02 15.68  -0.8
CCM    20.69  72 eP     02 15.79  -2.4
     Z 18s   953.17um           7.2Msz
                 S      06 13.64
UNM    21.32 130 eP     02 27.20   2.1
FVM    21.33  72 eP-    02 24.80   0.0
     Z 21s   519.93um           6.9Msz
SLM    21.51  71 P-     02 27.50   0.9
IIA    21.79 129 eP     02 31.67   2.2
III    21.85 132 (P)    02 31.00   0.6
PPM    21.87 129 iP     02 30.57  -0.3
LST    21.88  76 eP     02 30.67   0.4
ULM    22.00  37 eP     02 33.50   2.1
IIT    22.11 129 (P)    02 39.12   6.1
IISM   22.74 127 iP     02 24.50 -14.4
ACX    22.78 135 iP     02 44.00   4.6
PWLA   23.34  80 ePc    02 45.33   0.6
OXX    24.55 129 iP     03 01.00   4.2
SIT    26.22 336 eP+    03 12.13   0.1
       1.1s  473.14nm           6.1mb
     Z 18s   1104.90um          7.4Msz
TKL    26.75  78 eP     03 15.33  -1.8
PRM    28.13  81 eP     03 29.02  -0.7
YKA    28.34   2 eP     03 49.90  18.7
       0.9s  127.60nm
DLA    28.45  62 P      03 33.90   1.4
ELF    28.67  61 P      03 35.00   0.5
FCC    28.72  24 eP     03 37.00   2.3
LDN    28.75  62 P      03 35.50   0.3
NAV    28.99  73 eP     03 36.08  -1.3
JSC    29.00  80 eP     03 36.35  -1.1
TPX    29.07 125 (P)    03 37.30  -1.0
BLA    29.29  74 eP     03 40.05  -0.1
       1.7s  1833.25nm          6.6mb
LHS    29.33  79 eP     03 39.71  -0.8
MCWV   29.61  69 ePd    03 43.78   0.8
       0.8s  200.44nm           6.0mb
     Z 20s   898.23um           7.4Msz
                 S      09 10.71
SGS    29.81  82 eP     03 44.23  -0.6
HBF    29.98  82 eP     03 46.63   0.3
CEH    30.50  76 ePd    03 51.82   0.9
       1.4s  315.27nm           6.0mb
     Z 19s   850.57um           7.4Msz
                 S      09 47.72
EEO    30.75  55 eP     03 54.00   1.0
CVL    30.78  72 eP     03 54.09   0.8
BALM   31.61 336 eP     03 59.99  -0.6
CBN    31.61  71 iPc    04 02.30   1.6
MID    31.99 331 eP     04 06.90   3.2
       1.2s  713.80nm           6.5mb
KLU    33.17 334 eP     04 14.67   0.6
LVNJ   33.47  66 eP     04 16.33  -0.5
TOA    33.67 335 ePc    04 20.10   1.7
KDC    33.74 325 eP     04 19.27   0.3
       1.8s  622.04nm           6.2mb
TBR    33.87  66 eP     04 19.69  -0.6
TXNY   33.89  66 iP     04 22.30   1.8
GMTN   33.91  66 iP     04 20.40  -0.2
PNJ    33.93  66 e(P)   04 20.90   0.1
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PNJ    33.93  66 iP     04 21.80   1.0
SLKM   34.20 331 eP     04 21.80  -1.2
PMS    34.37 332 eP     04 25.00   0.5
PMR    34.42 333 iPc-   04 24.88   0.1
       1.5s  1692.15nm          6.7mb
     Z 19s   555.73um           7.3Msz
PWA    34.74 333 eP     04 28.20   0.7
REF    35.22 329 eP     04 31.34  -0.6
CRP    35.41 331 eP     04 33.23  -0.3
CPKM   35.44 331 eP     04 32.55  -1.3
HRV    35.81  63 iPd    04 38.00   1.1
       1.6s  758.67nm           6.3mb
     Z 21s   1460.19um          7.7Msz
                 ed     04 42.05
                 ed     04 43.63
COL    36.10 338 eP     04 39.68   0.5
                 ec     04 43.57
                 ic     04 45.64
                 id     04 56.24
FBA    36.10 338 eP     04 38.39  -0.8
SVW    36.77 329 eP     04 44.31  -0.5
       1.1s  565.52nm           6.2mb
SDN    36.92 319 eP+    04 46.66   0.6
       1.3s  1973.83nm          6.7mb
     Z 19s   611.58um           7.4Msz
MKA    37.36 257 P      04 57.90   7.6
MLH    37.47 257 P      04 56.20   4.8
DES    37.55 257 P      04 56.70   4.8
HKL    37.57 260 eP     04 53.62   1.2
TTA    37.83 332 ePc    04 53.43  -0.4
       1.1s  464.23nm           6.1mb
KKH    37.90 258 (P)    04 55.94   1.3
OPA    38.53 262 eP     04 58.08  -1.9
DHH    38.56 261 eP     05 00.41   0.1
KIP    38.66 262 eP     05 07.79   6.7
                 e      06 48.93
HON    38.70 262 P      05 08.11   6.7
                 S      11 37.00
IMA    38.74 337 iPc    05 01.31  -0.1
DVD    40.41 121 ePd    05 13.85  -1.8
LMN    40.56  57 eP     05 19.50   2.9
ECO    41.77 118 ePd    05 24.49  -2.3
UPA    42.14 118 ePd+   05 28.94  -0.9
       1.2s  71.88nm            5.3mb
MBC    42.15 359 ePc    05 30.00   0.8
       1.0s  684.00nm           6.3mb
ANM    42.29 331 eP     05 31.02   0.5
BRW    42.83 342 eP     05 36.72   1.9
ADK    46.05 312 eP     05 57.99  -3.0
       0.8s  457.29nm           6.6mb
MGP    46.70  97 eP     06 05.00  -1.5
LRS    46.76  97 eP     06 06.00  -1.1
PORP   47.05  97 eP     06 09.00  -0.3
CLLP   47.09  97 eP     06 09.50  -0.1
LPR    47.56  96 iP     06 11.00  -2.4
CPD    47.66  96 eP     06 14.00  -0.1
BMG    48.20 114 eP     06 18.00  -0.5
ILT    48.40 333 iPc+   06 18.50  -0.8
       1.6s  520.00nm           6.4mb
     Z 16s   800.00um           7.8MszX
     N 13s   980.00um
     E 14s   930.00um
                 i      07 45.50
                 i      08 04.00
                 eS     13 21.00
                 i      16 15.00
                 eSS    16 40.00
SDV    48.94 110 eP     06 21.00  -3.3
TOV    49.05 108 eP     06 28.20   3.2
BOG    49.07 117 iPc    06 30.00   4.5
PSO    49.12 123 eP     06 27.50   1.6
CEOS   50.66 108 iP     06 48.80  11.5
CAR    50.90 105 iPd    06 32.00  -7.2
                 iS     13 48.00
OLLA   51.28 106 iP     06 52.30  10.2
MGH    51.37  96 eP     06 50.41   7.8
MGH    51.37  96 eP     06 39.33  -3.3
SMY    51.61 313 Pc     06 40.68  -3.3
     Z 19s   239.99um           7.2Msz
PAG    52.16  96 eP     06 46.00  -2.7
DEG    52.53  95 eP     06 48.00  -3.5
CUM    53.14 104 iP     07 01.00   5.1
FDF    53.27  97 ePc    06 56.00  -1.0
                 S      14 38.60
TRN    55.27 101 eP     07 22.73  11.1
TPT    57.21 217 iP     07 28.30   2.9
       1.4s  380.00nm           6.2mb
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RUV    57.27 216 iP     07 28.80   3.0
       1.4s  540.00nm           6.4mb
PMO    57.37 217 iP     07 29.40   2.9
       1.4s  335.00nm           6.2mb
VAH    57.44 216 iP     07 30.10   3.2
       1.4s  520.00nm           6.4mb
NNA    59.37 134 ePc    07 40.58   0.0
       1.2s  195.31nm           6.1mb
                 i      07 50.00
PPN    60.28 217 iP     07 52.70   6.0
       1.3s  205.00nm           6.1mb
PPT    60.38 217 iP     07 53.60   6.2
       1.3s  415.00nm           6.4mb
TVO    60.41 216 iP     07 54.30   6.7
       1.3s  275.00nm           6.2mb
AFR    60.46 217 iP     07 54.00   6.1
       1.3s  250.00nm           6.2mb
PAE    60.46 217 iP     07 54.10   6.2
       1.3s  250.00nm           6.2mb
PET    60.64 316 eP+    07 48.00  -0.8
     Z 16s   262.00um           7.5MszX
     N 16s   500.00um
     E 17s   530.00um
                 e      08 30.00
                 iS     16 04.00
REY    61.70  30 iP     07 58.20   2.4
MGD    62.34 326 ePc+   08 00.00  -0.2
       1.1s  510.00nm           6.7mb
     Z 19s   437.00um           7.6Msz
     N 19s   435.00um
     E 18s   403.00um
                 i      08 46.00
                 i      10 14.00
                 ePPP   11 50.00
                 iS     16 40.00
AKU    62.64  27 iP     08 02.60   0.5
       1.8s  672.73nm           6.6mb
KBS    63.29  10 eP     08 08.10   1.8
TIK    65.11 341 (P)    08 16.00  -2.2
                 eS     17 08.00
ARE    66.09 132 eP     08 26.00   0.5
ZOBO   68.07 129 ePc    08 37.35  -1.1
       1.8s  429.29nm           6.4mb
                 ePP    11 23.45
LPB    68.27 130 P      08 38.20  -1.3
       1.2s  487.50nm           6.6mb
CNCB   68.55 130 P      08 41.10  -0.3
RAR    68.83 223 eP     08 42.92   0.6
                 S      18 48.00
CCH    70.15 129 eP     08 53.00   2.1
KUR    70.26 312 eP     08 51.00   0.1
       1.6s  1620.00nm          6.9mb
     Z 16s   263.20um           7.6MszX
     N 16s   324.00um
     E 16s   249.20um
                 e      11 34.00
                 eSS    22 30.00
YAK    70.41 333 eP     08 49.60  -1.9
       1.5s  750.00nm           6.6mb
     N 18s   263.70um
                 i      09 06.00
                 i      11 35.00
                 e      18 42.00
TRO    71.48  15 eP     09 00.00   2.1
ANT    72.31 136 eP     09 03.00  -0.4
YSS    72.46 315 iPd    09 02.10  -2.0
       1.0s  30.00nm            5.4mb
     Z 17s   334.50um           7.7MszX
     N 17s   203.20um
     E 17s   133.30um
                 e      09 04.30
                 esP    09 21.00
                 e      11 52.00
                 eS     18 30.00
                 ePPS   19 16.00
SIV    72.55 124 P      09 03.40  -1.6
VAL    72.76  38 iP     09 06.10   0.4
                 S      18 45.00
KEV    72.98  13 iP     09 08.00   1.3
       1.0s  84.00nm            5.8mb
                 e      18 36.00
EAB    73.17  33 eP     09 08.00  -0.1
       1.0s  136.00nm           6.0mb
ELO    73.28  32 eP     09 08.10  -0.6
       1.1s  304.00nm           6.3mb
DMU    73.32  36 eP     09 08.40  -0.6
       0.9s  182.00nm           6.2mb
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DCN 73.46 36 eP 09 09.80 0.0
1.0s 197.00nm 6.1mb
EBH 73.50 32 eP 09 09.20 -0.8
1.1s 230.00nm 6.2mb
EDR 73.52 32 ePc 09 11.80 1.7
1.1s 113.00nm 5.9mb
EDU 73.54 32 ePc 09 10.00 -0.2
1.3s 132.00nm 5.9mb
EAU 73.77 33 ePc 09 13.60 2.0
1.1s 114.00nm 5.8mb
EDI 73.84 33 ePc 09 12.20 0.2
1.1s 188.00nm 6.0mb
DLF 73.85 36 eP 09 11.10 -1.0
1.0s 441.00nm 6.5mb
EBL 74.00 33 ePc 09 13.10 0.2
1.2s 188.00nm 6.0mb
ESY 74.10 32 eP 09 13.80 0.3
1.1s 125.00nm 5.9mb
ESK 74.20 33 eP 09 12.18 -1.9
1.0s 200.00nm 6.1mb
ePP 11 57.79
EKA 74.22 33 P 09 13.00 -1.2
1.0s 31.50nm 5.3mb
ECB 74.27 37 eP 09 13.90 -0.6
ECB 74.27 37 eP 09 22.80 8.3
1.4s 527.00nm 6.4mb
ASK 74.29 26 eP 09 17.00 2.6
ETA 74.36 36 eP 09 14.50 -0.5
ETA 74.36 36 eP 09 22.90 7.9
BER 74.40 26 eP 09 05.00 -10.1
ECP 74.59 37 eP 09 15.90 -0.4
ECP 74.59 37 eP 09 24.00 7.7
1.4s 428.00nm 6.3mb
ERM 74.84 311 eP 09 18.50 0.5
NRI 75.14 351 iPd 09 17.80 -1.5
1.7s 640.00nm 6.4mb
e 12 13.00
ePPP 13 58.00
iS 18 56.00
eSS 23 44.00
SAP 75.41 312 eP 09 21.00 -0.2
eS 19 05.00
NB2 75.97 23 P 09 24.10 -0.1
0.8s 28.40nm 5.4mb
APA 76.02 11 iPc 09 26.40 2.1
KONO 76.44 25 ePd 09 28.50 1.7
ePP 12 11.13
STS 78.91 45 iPc 09 41.34 0.6
UPP 78.92 22 iP 09 39.70 -0.7
1.2s 400.00nm 6.3mb
i 09 42.40
iS 19 38.00
BOD 78.95 335 eP 09 39.00 -1.7
1.2s 130.00nm 5.8mb
EZAM 79.27 46 eP 09 42.85 0.1
EMON 79.30 44 iPc 09 43.22 0.3
ZON 79.37 140 eP 09 45.50 2.1
e 12 45.50
KAF 79.42 17 iP 09 43.00 -0.1
0.8s 55.90nm 5.6mb
PEL 79.59 142 ePc 09 45.00 0.5
1.4s 313.95nm 6.1mb
FLN 79.66 37 eP 09 46.50 1.8
1.5s 262.20nm 6.0mb
Z 19s 192.00um 7.5Msz
GRR 79.71 38 eP 09 46.90 1.9
1.4s 186.45nm 5.9mb
LPF 79.85 38 eP 09 47.50 1.8
1.0s 143.60nm 5.9mb
LDF 79.95 37 eP 09 48.10 1.8
1.5s 258.00nm 5.9mb
ERUA 80.04 45 iPc 09 47.97 1.1
DBN 80.07 32 iP- 09 48.00 1.2
ePcP 10 00.00
eS 19 58.00
eSS 25 21.00
eSSS 29 12.00
WIT 80.22 31 iPc 09 52.00 4.5
NUR 80.38 18 iP 09 48.00 -0.3
0.9s 111.80nm 5.8mb
e 20 00.00
UCC 80.61 34 P- 09 52.00 2.3
S 20 06.00
SNF 80.78 34 iPc 09 53.45 2.9
VUN 80.78 241 eP 09 50.60 -0.5
SVA 80.86 241 eP 09 59.20 7.7
WTS 80.86 32 iPc 09 54.00 3.0

0.9s 49.00nm 5.5mb
LIS 81.03 49 iP 09 54.30 2.1
eS 20 21.00
MAJO 81.09 308 ePc 09 52.69 0.1
MAT 81.09 308 eP 09 51.00 -1.6
1.0s 44.00nm 5.5mb
Z 20s 10.28um 6.2MszX
eS 20 00.00
DOU 81.21 34 Pc- 09 55.80 2.9
S 20 10.00
MFF 81.25 39 eP 09 55.20 2.0
1.3s 192.05nm 6.0mb
MDJ 81.31 319 ePc 09 53.90 0.4
1.1s 26.00nm 5.2mb
E 17s 97.30um
S 20 04.00
sS 20 14.00
ENN 81.34 33 eP 09 54.00 0.5
0.9s 6.00nm 4.7mb X
ENN 81.34 33 iPc 09 56.60 3.1
1.0s 91.00nm 5.8mb
MEM 81.49 33 iPc 09 57.28 3.0
BAO 81.75 115 Pd 09 57.30 1.0
BNS 81.76 32 ePd 09 57.90 2.2
3.2s 1640.00nm 6.6mb X
BDF 81.83 115 ePc 09 58.05 1.3
EPLA 82.10 47 iPc 09 59.05 1.3
WLF 82.23 34 iPc 10 01.59 3.4
LSF 82.35 38 eP 10 00.70 1.8
1.3s 158.15nm 6.0mb
PUL 82.43 16 (P) 10 00.00 1.0
1.8s 960.00nm 6.7mb
Z 18s 500.00um 7.9Msz
N 18s 330.00um
E 18s 380.00um
e 13 14.00
(PPP) 15 08.00
eS 20 18.00
ECRI 82.57 43 iPc 10 02.13 1.9
TCF 82.67 38 eP 10 02.40 1.8
1.1s 151.40nm 6.1mb
SSF 82.79 37 eP 10 03.10 1.9
1.5s 347.85nm 6.3mb
BGF 82.81 37 eP 10 02.90 1.6
1.4s 383.35nm 6.4mb
LFF 82.82 40 eP 10 03.40 2.0
1.4s 270.95nm 6.3mb
LOR 82.82 36 eP 10 03.40 2.0
1.4s 291.00nm 6.3mb
Z 21s 165.00um 7.4Msz
TNS 82.86 32 eP- 10 03.00 1.4
eS 20 35.00
GUD 82.88 45 iPc 10 03.43 1.5
MAF 82.90 38 eP 10 03.60 1.8
1.5s 348.65nm 6.4mb
AVF 82.90 37 eP 10 03.30 1.5
1.4s 235.25nm 6.2mb
RJF 82.98 39 eP 10 04.10 1.9
1.6s 339.55nm 6.3mb
Z 21s 120.00um 7.2Msz
HIA 83.08 327 ePc 10 03.18 0.5
LBF 83.08 36 eP 10 04.50 1.8
1.9s 549.55nm 6.5mb
VITF 83.18 35 P 10 05.66 2.5
BRN 83.20 28 ePd 10 05.80 2.7
ec 10 19.50
eS 20 29.00
EVAL 83.22 49 iPc 10 04.92 1.3
LPO 83.23 40 eP 10 05.50 2.0
1.2s 198.75nm 6.2mb
SMF 83.24 37 eP 10 05.20 1.6
1.5s 344.75nm 6.4mb
AGO 83.30 38 P 10 05.86 2.0
PPD 83.41 122 eP 10 05.10 0.4
e 10 11.50
e 10 19.10
e 10 25.60
TOL 83.43 46 eP 10 03.03 -1.6
iPP 13 33.00
iS 20 33.00
PYM 83.44 38 P 10 06.55 1.9
HAU 83.50 35 eP 10 06.80 1.9
1.6s 502.50nm 6.5mb
Z 20s 34.00um 6.7Msz
BTH 83.52 41 ePd 10 07.00 2.0
i 10 15.10
i 10 21.00

i 10 29.50
iPP 13 16.00
PPP 15 20.00
eSKS 20 19.00
eS 20 41.00
SPP 21 32.00
CAF 83.52 39 eP 10 07.00 2.0
1.2s 152.35nm 6.1mb
PLDF 83.60 37 P 10 07.64 2.1
CDF 83.64 34 P 10 07.79 2.1
CIT 83.65 332 eP 10 05.00 -0.6
ECH 83.73 34 P 10 08.20 2.2
STR 83.74 34 P 10 08.64 2.6
BSF 83.83 35 P 10 08.81 2.1
EPF 83.88 41 eP 10 08.90 2.0
1.6s 243.80nm 6.2mb
MOX 83.90 30 eP 10 08.00 1.2
2.0s 757.00nm 6.6mb
Z 20s 610.00um 8.0Msz
N 19s 320.00um
E 20s 450.00um
e 10 09.90
S 20 45.00
SS 26 28.00
P'P' 36 40.00
LBL 83.92 38 P 10 09.57 2.4
CLL 83.97 29 iP 10 09.30 2.2
1.3s 95.00nm 5.9mb
CLL 83.97 29 iP 10 21.40 14.3
1.9s 460.00nm
Z 18s 350.00um 7.8Msz
eSKS 20 38.00
P'P' 36 44.00
MOF 83.98 34 P 10 09.37 2.0
LIBD 83.98 34 P 10 09.20 2.0
EHOR 84.01 48 iPc 10 08.74 1.2
EGRA 84.07 42 iPc 10 11.32 3.5
CN2 84.08 320 Pc 10 08.00 0.2
1.0s 140.00nm 6.1mb
N 18s 314.00um
E 18s 183.00um
epP 10 16.00 25kmX
ePP 13 18.00
GIBL 84.19 49 iP 10 15.00 6.4
LOMF 84.20 35 P 10 10.10 1.6
SFS 84.26 49 eP 10 20.00 11.2
HOF 84.26 30 eP 10 11.50 2.8
FEL 84.37 34 P 10 10.98 1.6
BBS 84.44 34 P 10 11.87 2.3
GRF 84.46 31 ePd 10 10.90 1.3
Z 20s 893.00um 8.1Msz
e(pP) 10 18.20 23kmX
iS 20 43.60
EPRU 84.55 49 iPc 10 11.64 1.2
SLE 84.67 34 ePc 10 13.60 2.8
EBAN 84.68 47 iPc 10 12.32 1.3
BRG 84.68 29 eP 10 10.60 -0.1
2.0s 560.00nm 6.4mb
i 10 12.60
iS 20 56.00
eP'P' 36 25.00
EJIF 84.73 49 iPc 10 12.88 1.6
PLAT 84.76 50 iP 10 15.00 3.6
ZLA 84.83 34 ePc 10 14.70 3.1
OJEN 84.91 49 iP 10 21.00 8.8
ITR 85.10 104 eP 10 13.90 0.6
i 10 20.50
EVIA 85.15 46 iPc 10 14.83 1.4
EMS 85.17 36 ePc 10 17.20 3.7
MAL 85.21 48 iPc 10 27.00 13.4
RSL 85.29 36 P 10 16.50 2.4
DIX 85.39 35 ePc 10 18.30 3.6
NKM 85.40 50 iP 10 18.50 3.9
i 10 30.00
ECHE 85.43 44 iPc 10 16.30 1.6
AVE 85.44 53 iP 10 14.50 -0.4
i 10 55.50
EBR 85.44 43 eP 10 12.00 -2.7
iS 20 50.00
LPL 85.47 36 eP 10 17.70 2.6
1.2s 169.00nm 6.1mb
LPG 85.49 36 eP 10 18.00 2.7
1.4s 340.70nm 6.3mb
LLS 85.56 34 ePc 10 18.30 2.8
WET 85.58 31 eP 10 18.10 2.8
PRU 85.61 29 eP 10 16.80 1.4
2.0s 333.30nm 6.2mb

28d 12h

Z	19s			483.00um	7.9Msz
N	19s			542.00um	
E	22s			24.00um	
			e	10 18.00	
			e	10 22.80	
			PP	13 33.10	
			S	20 56.00	
			SS	26 32.10	
EHUE	85.63	47	iPc	10 17.28	1.4
FUR	85.63	32	eP	10 16.80	1.2
Z	21s			746.00um	8.1Msz
KSP	85.63	28	eP	10 16.00	0.5
			i	10 19.60	
			ePP	13 36.50	
EGUA	85.67	48	iPc	10 17.46	1.5
MMK	85.68	35	ePc	10 19.80	3.7
LSD	85.72	36	P	10 19.70	3.4
ETER	85.74	40	iPc	10 17.87	1.7
BNI	85.77	37	P	10 18.20	1.7
KHC	85.88	30	eP	10 14.50	-2.3
			e	10 19.50	
			e	10 25.00	
			ePP	13 21.50	
			eS	20 42.00	
SHK	85.88	309	eP	10 17.40	0.3
RRL	85.92	37	P	10 20.41	3.1
RSP	85.99	36	P	10 20.82	3.3
ORO	85.99	35	P	10 21.10	3.6
VDL	86.07	34	ePc	10 22.40	4.4
TMA	86.07	35	ePc	10 21.80	3.8
GEC2	86.15	30	e(P)	10 29.00	10.7
	0.8s			6.10nm	
GEC2	86.15	30	e(P)	10 36.90	18.6
	0.7s			5.10nm	
MOTA	86.17	33	iPc	10 21.90	3.5
	1.8s			382.00nm	6.2mb
			i	10 28.10	
VAI	86.19	35	P	10 21.20	2.9
FOUF	86.20	37	eP	10 21.80	3.4
OSS	86.23	34	ePc	10 21.90	3.1
WAR	86.23	25	P+	10 18.00	-0.4
			eS	20 08.00	
EALH	86.30	46	eP	10 22.42	3.4
SOTA	86.31	33	iPc	10 22.70	3.6
	2.2s			598.00nm	6.4mb
			i	10 28.70	
PZZ	86.38	37	P	10 21.64	2.1
SNY	86.44	320	Pc	10 21.00	1.4
	1.6s			260.00nm	6.2mb
N	16s			174.00um	
E	14s			206.00um	
			pP	10 29.50	27kmX
			SKS	20 49.00	
DOI	86.45	37	P	10 22.30	2.5
ACU	86.47	45	iPc	10 23.93	4.0
WTTA	86.47	32	iPc	10 23.30	3.3
	2.4s			517.00nm	6.3mb
			i	10 29.70	
BHG	86.67	32	iPc	10 23.80	3.1
STV	86.68	37	P	10 22.36	1.5
PDCR	86.73	107	eP	10 20.40	-0.9
			e	10 26.70	
			e	10 47.20	
ENR	86.74	37	P	10 22.87	1.7
LRG	86.76	38	eP	10 23.00	1.8
	2.0s			564.45nm	6.4mb
Z	21s			176.00um	7.4Msz
IFR	86.80	51	iP	10 27.00	5.2
			i	10 30.00	
TOUF	86.80	37	P	10 23.89	2.2
CALN	86.81	37	P	10 24.21	2.6
IRK	86.82	336	eP+	10 22.00	0.7
Z	20s			262.34um	7.6Msz
			iS	21 06.00	
			ePS	21 59.00	
			iSS	26 46.00	
FRF	86.83	38	eP	10 22.90	1.4
	1.5s			223.55nm	6.2mb
MVIF	86.84	37	P	10 23.89	2.1
MNK	86.89	20	eP	10 20.00	-1.6
			ePPP	15 38.00	
			eS	20 52.00	
			ePS	22 03.00	
AUTN	86.91	37	P	10 23.74	1.5
LMR	86.92	38	eP	10 23.50	1.5
	1.5s			246.55nm	6.2mb
AURF	86.94	37	P	10 24.21	2.0
KMR	86.95	31	iP-	10 26.10	4.1
RAC	86.97	27	eP	10 25.00	2.9
Z	30s			395.00um	7.6MszX
N	30s			500.00um	
E	30s			500.00um	
			eSKS	21 09.00	
			e	21 21.00	
SAOF	86.98	37	P	10 24.62	2.3
SBF	87.01	37	eP	10 23.60	1.1
	1.4s			92.35nm	5.8mb
TIO	87.01	54	iP	10 25.00	2.2
CKI	87.02	36	P	10 23.40	1.0
PCP	87.06	36	P	10 25.13	2.4
VAO	87.11	120	eP	10 26.80	3.6
			e	10 37.40	
FIN	87.14	36	P	10 25.54	2.5
IMI	87.20	37	P	10 26.26	2.8
KBA	87.36	32	iPc	10 26.30	2.0
	2.0s			165.00nm	6.0mb
			i	10 33.80	
CTI	87.40	33	P	10 27.20	2.8
OJC	87.46	26	eP	10 25.40	0.9
	1.7s			251.00nm	6.2mb
			e	10 27.90	
			i	10 41.20	
			i	11 00.80	
			eS	21 06.00	
FVI	87.49	32	P	10 32.40	7.8
ESEL	87.50	42	eP	10 26.89	2.0
VKA	87.69	29	eP	10 28.00	2.4
	6.5s			3395.00nm	6.8mb X
Z	18s			330.00um	7.8Msz
			i	10 41.30	
			LR	51 00.00	
LPA	87.87	135	eP-	10 44.00	17.6
Z	20s			124.82um	7.3Msz
			eSKS	21 11.00	
ZST	88.06	29	eP	10 29.60	2.2
			i	10 35.20	
			e(PP)	14 08.30	
OBN	88.09	15	ePd	10 28.70	1.3
	1.5s			294.00nm	6.4mb
Z	18s			570.00um	8.0Msz
N	18s			480.00um	
E	18s			300.00um	
			i	21 07.00	
			iPS	22 16.00	
			iSS	27 05.00	
MME	88.35	35	P	10 33.50	4.3
BDI	88.40	35	P	10 32.30	3.1
VOY	88.41	32	eP	10 32.70	3.5
			e	10 37.70	
TRI	88.61	32	e(P)d	10 32.00	2.0
			e(PP)	14 00.00	
			e(PPP)	16 00.00	
			i(S)	21 18.00	
			i(SS)	27 00.00	
PII	88.62	35	P	10 34.40	4.3
LJU	88.69	32	eP	10 33.00	2.6
			e	10 39.50	
			e	12 32.00	
			eSKKS2	21 16.00	
PGF	88.75	37	eP	10 32.10	1.2
	1.6s			149.85nm	6.0mb
ZAK	88.76	336	eP	10 31.00	0.4
	2.0s			709.00nm	6.6mb
			e	14 00.00	
			eS	21 12.00	
			eSSS	30 50.00	
SRO	88.85	29	eP	10 32.80	1.6
			i	10 39.40	
			i	11 21.70	
CEY	88.88	32	eP	10 33.00	1.6
FIR	88.93	35	eP	10 34.00	2.4
			iS	21 23.00	
PGD	89.08	35	P	10 35.83	3.3
	0.1s			5.90nm	5.8mb
SFI	89.10	35	P	10 35.56	3.1
	2.0s			3261.30nm	7.2mb X
LVV	89.30	24	eP	10 35.00	1.7
Z	20s			58.30um	7.0Msz
N	20s			49.50um	
			i	14 05.00	
SVE	89.31	2	ePd	10 35.00	1.8
	2.5s			500.00nm	6.3mb
Z	20s			675.00um	8.1Msz
N	20s			200.00um	
E	20s			395.00um	
			eS	21 24.00	
BUD	89.40	28	e(P)	10 36.10	2.3
PTJ	89.41	31	eP	10 35.40	1.4
VBY	89.42	32	eP	10 35.00	1.1
			i	10 41.90	
ZAG	89.49	31	eP	10 37.10	2.9
GUA	89.49	286	e(P)	10 35.30	0.6
	1.0s			200.00nm	6.3mb
GUMO	89.50	286	eP	10 33.35	-1.4
	1.4s			200.00nm	6.2mb
Z	23s			63.60um	7.0MszX
			pP	10 35.20	6kmX
			eS	21 14.60	
PJG	89.50	286	eP	10 31.40	-3.3
DL2	89.55	319	eP	10 36.00	1.4
	1.5s			100.00nm	5.8mb
N	14s			136.00um	
E	14s			165.00um	
			SKS	21 00.00	
			S	21 16.00	
ABA	89.63	44	iPc	10 38.00	2.9
ARU	89.66	3	ePd	10 37.00	2.2
			ePPP	16 12.00	
			e	21 15.00	
MBO	89.66	73	iP	10 51.40	15.9
UZH	89.69	26	ePc	10 37.00	1.9
	0.7s			23.00nm	5.5mb
Z	21s			560.00um	8.0Msz
			i	10 44.30	
			e	21 00.00	
			iS	21 27.00	
			iSP	22 30.00	
			iSS	27 30.00	
ARV	89.94	34	P	10 40.34	3.9
	1.7s			287.60nm	6.2mb
HNR	90.01	259	eP	10 36.00	-1.0
			e(LQ)	21 20.00	
ASS	90.13	35	P	10 44.50	7.1
CEI	90.55	26	eP	10 46.00	6.9
AQU	91.03	35	P	10 48.90	7.4
RDP	91.16	35	P	10 48.60	6.4
AZI	91.33	35	P	10 52.90	10.1
BJI	91.60	322	eP	10 45.00	0.9
E	19s			336.00um	
			eSKS	21 21.00	
TIM	91.70	28	iPc	10 56.00	11.6
SDI	91.73	35	P	10 53.80	9.1
DUI	92.07	35	P	10 55.60	9.3
BEO	92.15	29	eP	10 49.00	2.5
DZM	92.16	245	iPc	10 50.00	3.1
DEV	92.23	27	ePc	10 50.00	3.1
MDB	92.55	26	iPc	11 05.20	16.8
PTT	92.58	24	eP	10 50.00	1.5
HHC	93.22	326	eP	10 50.80	-0.9
	1.0s			76.00nm	6.1mb
Z	22s			196.00um	7.5Msz
N	15s			103.00um	
E	15s			108.00um	
			SKS	21 23.00	
			SS	28 14.00	
SGO	93.33	35	P	11 01.30	9.3
KIS	93.34	23	eP	10 57.00	5.0
			i	11 05.00	
RAB	93.48	267	eP	11 08.00	14.9
VRI	93.62	25	ePc	10 57.00	3.7
MLR	93.68	25	eP	10 59.00	5.2
MGR	93.78	35	P	11 03.40	9.3
TIA	93.96	319	eP	10 57.60	2.6
	1.8s			110.00nm	5.9mb
N	22s			123.00um	
E	22s			149.00um	
			SKS	21 35.00	
SDA	94.05	31	eP	10 59.90	4.6
BTO	94.14	326	P	10 58.00	2.1
	0.9s			18.00nm	5.4mb
N	14s			79.80um	
E	14s			84.60um	
			sP	11 06.00	
			SKS	21 33.00	
ORI	94.25	34	P	11 05.50	9.2
KKS	94.40	31	eP	11 07.00	10.1
LACI	94.46	31	eP	11 04.50	7.3
KDS	94.47	72	eP	11 01.00	3.4
TDS	94.52	35	P	11 07.40	9.8
BUC	94.66	26	ePc	11 15.00	16.9
CFR	94.71	24	ePc	11 05.50	7.2

SKO 94.91 30 eP 10 59.80 0.5
i 11 07.20
i 11 12.00
i 11 59.00
i 12 47.50
i 15 08.00
i 17 04.00
i 19 29.00
i 21 14.50
i 23 28.00
i 23 56.00
TIY 95.25 323 eP 11 03.50 2.4
SSE 95.35 313 Pd 11 02.00 0.5
2.0s 120.00nm 6.0mb
N 17s 150.00um
E 20s 306.00um
OHR 95.35 31 iP 11 02.20 0.7
1.3s 141.00nm 6.3mb
i 11 08.70
TPE 95.68 32 eP 11 06.20 3.3
VAY 95.92 30 iP 11 06.60 2.6
1.3s 129.00nm 6.3mb
i 11 12.00
NJ2 96.04 315 Pd 11 07.60 2.9
N 18s 160.00um
E 17s 289.00um
SKS 21 35.00
S 22 16.00
LSK 96.06 32 eP 11 06.50 1.8
KEK 96.06 32 eP 11 13.80 9.1
GRG 96.16 30 eP 11 07.84 2.7
KNT 96.19 30 eP 11 06.64 1.4
SRS 96.51 29 eP 11 09.28 2.6
SOH 96.66 30 eP 11 10.04 2.6
SIM 96.81 21 eP 11 11.00 3.1
Z 18s 700.00um 8.2Msz
N 18s 750.00um
E 20s 380.00um
e 15 00.00
e 21 38.00
iPS 24 00.00
LIT 96.91 31 eP 11 09.72 1.2
ALN 97.67 28 eP 11 14.52 2.7
VLS 97.67 33 eP 11 14.00 2.0
ATH 99.21 31 eP 11 34.00 15.1
ePP 15 23.20
eSKS 21 42.00
ePS 24 18.00
WMO 99.29 343 P 11 23.50 4.2
2.0s 67.00nm 6.0mb
Z 38s 208.00um 7.4MszX
E 20s 472.00um
SKS 21 58.00
S 22 50.00
GTA 99.44 332 eP 11 21.50 1.4
E 18s 312.00um
pP 11 28.00 20kmX
sP 11 32.00
PP 15 24.00
SKS 21 58.00
S 22 48.00
sS 22 58.00
SS 29 40.00
SOC 99.59 17 eP 11 22.00 1.5
e 22 04.00
WHN 99.74 317 eP 11 27.50 6.1
N 18s 193.00um
SKS 22 04.00
S 22 50.00
SS 29 40.00
XAN 99.90 323 eP 11 25.50 3.3
N 20s 262.00um
E 18s 284.00um
KIV 99.93 15 ePDIF 11 27.96 5.7
ePP 15 14.39
i 15 28.60
ePPP 17 36.60
iPS 24 32.60
iSSS 33 45.40
PYA 99.93 15 eP 11 30.00 7.9
2.0s 220.00nm 6.4mb
Z 20s 110.00um 7.4Msz
iPS 24 30.00
iPPS 25 20.00
LZH 100.61 328 ePdiff11 29.50 4.2
2.0s 53.00nm 5.8mb
E 18s 426.00um
pP 11 35.00
PP 15 32.00
SKS 22 05.00
S 22 53.50
sS 23 05.00
BBTK 101.02 24 iPdiff11 36.00 9.0
GRO 101.11 13 ePdiff11 36.00 8.9
i 21 58.00
MAK 101.75 12 ePdiff11 31.00 1.0
e 15 43.00
e 22 11.00
iPS 24 50.00
TLG 101.88 350 ePdiff11 35.00 4.3
1.4s 28.00nm 5.7mb
e 17 57.00
iPS 24 41.00
iSS 34 08.00
PRZ 102.49 349 ePdiff11 37.00 3.5
Z 18s 341.00um 7.9Msz
N 18s 315.00um
E 18s 393.00um
e 22 17.00
MTA 102.53 14 ePdiff11 39.60 6.2
Z 26s 60.00um 7.0MszX
N 26s 60.00um
E 26s 100.00um
FRU 102.67 352 ePdiff11 41.00 6.8
2.4s 210.00nm 6.4mb
Z 20s 420.00um 8.0Msz
N 20s 456.00um
E 20s 432.00um
LIC 103.92 72 Pdiff 11 55.50 15.2
ERE 103.92 15 ePdiff11 43.20 3.3
iPP 16 08.00
i 20 01.00
iS 22 32.00
iPS 24 52.00
i 28 06.19
eSS 30 49.40
iSSS 35 22.00
i 38 28.00
ERE 103.92 15 iPdiff11 51.00 11.1
Z 20s 72.00um 7.2Msz
iSS 30 39.00
KIC 104.06 72 Pdiff 11 57.30 16.4
SHE 104.27 12 ePdiff11 49.00 7.8
0.8s 40.00nm 6.3mb
Z 18s 270.00um 7.8Msz
N 17s 420.00um
E 20s 460.00um
i 15 57.00
iPS 25 18.00
BAK 104.72 11 ePdiff11 38.00 -5.2
i 23 00.00
CD2 104.96 325 Pdiff 11 45.00 0.3
N 15s 247.00um
CSS 105.60 25 ePKP 16 04.00 3.2
KSH 105.82 350 Pdiff 11 50.00 1.6
Z 24s 107.00um 7.3MszX
N 18s 281.00um
GZH 105.94 313 Pdiff 11 48.00 -1.1
Z 45s 124.00um 7.1MszX
E 16s 177.00um
S 23 46.00
KAT 106.66 6 ePdiff12 09.00 17.1
GYA 107.13 320 ePdiff11 55.60 1.1
N 27s 193.00um
E 27s 250.00um
S 23 50.00
BHL 107.37 24 PKP 16 18.00 13.8
PP 20 30.00
S 27 56.00
HLW 109.39 29 ePdiff12 21.00 16.7
e 16 33.00
e 19 22.00
i 22 55.60
i 26 10.00
KMI 110.25 322 Pdiff 12 12.00 3.4
KMI 110.25 322 PKPc 16 10.00 -0.1
N 16s 103.00um
E 16s 162.00um
LSA 111.31 334 ePKP 16 15.50 3.2
N 18s 22.20um
QIS 112.50 260 ePKP 16 15.50 1.3
PKI 115.17 339 PKP 16 00.00 -19.6
QUE 115.88 357 ePdiff12 51.00 17.6
STK 116.13 248 ePKP 16 22.10 1.2
0.6s 3.60nm
PP 17 33.60
iPKKP 27 03.70
NDI 116.14 347 ePKP 16 22.50 1.5
ePP 17 38.00
WB2 116.51 263 iPKPd 16 15.90 -6.0
0.5s 8.60nm
ePKKP 26 54.20
WRA 116.52 263 PKP 16 42.00 20.1
1.5s 7.40nm
CHG 117.44 322 ePKP 16 25.00 1.3
ADE 119.59 246 ePKP 16 30.00 2.6
SPA 124.02 180 iPKPd 16 37.80 2.8
1.3s 100.00nm
POO 126.65 348 iPKPc 16 53.60 12.1
HYB 126.72 342 ePKP 16 42.00 0.4
IPM 127.69 310 ePKPc 16 45.00 1.4
KGM 128.12 306 ePKP 16 48.00 3.7
MBL 129.08 269 ePKP 16 48.00 2.1
SNA 129.88 156 iPKPd 16 47.50 1.5
1.1s 177.22nm
AAE 130.99 33 PKP 17 03.00 12.8
KOD 133.88 341 ePKP 16 58.80 3.2
BAL 135.40 259 ePKP 16 56.00 -1.7
MUN 136.24 258 ePKP 17 12.00 12.7
Z 20s 183.80um 7.8Msz
N 20s 54.40um
E 20s 117.60um
CSY 137.77 206 ePKP 17 02.80 1.7
0.7s 5.50nm
WIN 137.83 87 ePKP 16 57.00 -5.8
Z 22s 75.56um 7.4Msz
NAI 138.78 43 PKP 17 09.00 4.2
POF 142.83 95 iPKPc 17 24.00 12.7
1.0s 95.00nm
BLE 143.01 103 iPKPd 17 25.50 14.0
1.3s 153.85nm
CER 143.41 101 iPKPd 17 12.50 0.3
1.0s 180.00nm
KRI 145.03 69 iPKPc 17 17.00 1.5
ipP 17 20.20
i 17 28.30
BUL 146.08 75 iPKP 17 20.20 2.9
ipPKP 17 28.30
MAW 146.55 180 iPKPc 17 17.60 1.3
1.0s 325.00nm
Z 20s 122.00um 7.7Msz
BLF 147.90 91 ePKP 17 23.50 3.5
0.7s 10.00nm
PRY 148.21 87 ePKP 17 21.20 0.7
SLR 148.42 84 ePKP 17 26.00 5.1
1.0s 14.00nm
Z 20s 71.99um 7.5Msz
UMT 150.74 95 iPKPd 17 38.00 13.9
PAF 164.08 196 ePKP 18 00.00 20.4
eSKP 21 42.00
eSKS 25 05.00
eSKKS 29 40.00
e 33 20.00
e 38 00.00
eSS 43 15.00
eSSS 48 30.00
523 obs. associated

• JUN 28, 1992 12h 23m 28.12± 1.42s
62.057 N ±10.7km 4.480 E ± 9.7km
DEPTH = 10.0km (geophysicist)
NORWEGIAN SEA (642)
ML 3.2 (BGS). MD 2.8 (BER). Felt (IV) west of Mooloy, Norway.

FRO 0.36 148 iPc 23 37.48 2.0
FOO 0.53 150 iPc 23 39.43 0.5
eSg 23 44.06
SUE 1.01 172 eP 23 47.91 0.7
eSg 23 59.27
HYA 1.21 137 eP 23 49.69 -0.9
eSg 24 02.24
MOL 1.52 69 iPc 23 56.97 1.6
eSg 24 15.88
ASK 1.62 167 iPc 23 56.85 0.1
eS 24 15.01
BER 1.73 166 eP 23 58.21 -0.2
eSg 24 19.86
EGD 1.83 168 eP 23 59.58 -0.2
eSg 24 22.90
ODD1 2.39 153 eP 24 07.08 -0.9

28d 12h

			eS	24	31.87	
			eSg	24	37.61	
KMY	2.88	172	iPc	24	14.17	-0.7
			eS	24	44.26	
LRW	3.36	237	ePn	24	21.70	0.1
NRA0	3.65	108	Pn	24	23.60	-2.1
			Sn	25	02.39	
			Sg	25	13.05	
EKA	7.82	214	P	25	31.00	6.4X
	0.4s	1.20nm				4.5mb X

S.D. = 1.3 on 12 of 13 obs.

& JUN 28, 1992 12h 34m 00.37s
38.341 N 118.354 W
DEPTH = 2.9km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 4.1 (GM).

KVN	0.74	16	ePd	34	13.68	-1.4
ARN	2.70	250	eP	34	48.74	3.1
			eS	35	19.98	
ORV	2.74	297	eP	34	44.16	-1.9
LTCM	3.47	304	eP	34	55.83	-0.6
NWRM	3.56	273	(P)	35	01.15	3.5
LBFM	4.05	319	eP	35	04.04	-0.8
DUG	4.68	65	(Pn)	35	13.62	-0.2
FHC	5.00	301	eP	35	20.24	2.1
HVU	5.49	50	(Pn)	35	23.55	-1.7
			ePg	35	41.74	
DAU	5.88	67	(Pg)	35	48.76	18.0

10 obs. associated

& JUN 28, 1992 12h 36m 40.60s
34.139 N 116.431 W
DEPTH = 10.2km
5.0mb (29 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 5.1 (PAS).

ABL	2.41	288	eP	37	19.68	-1.2
TPNV	2.81	3	eP	37	24.76	-1.7
BCH	3.19	290	eP	37	30.12	-1.7
PKEM	3.57	303	eP	37	36.50	-0.7
PHAM	3.67	299	ePn	37	37.35	-1.3
KVN	5.08	345	eP	37	57.27	-1.5
ARN	5.24	309	eP	37	59.04	-1.8
MSU	5.55	37	eP	38	03.80	-1.7
DUG	6.70	24	eP	38	21.91	0.4
ORV	6.76	325	eP	38	20.40	-1.9
NWRM	6.76	311	eP	38	17.45	-4.8
SRU	6.87	42	eP	38	25.22	1.3
EMUT	7.23	37	eP	38	26.89	-2.2
DAU	7.50	32	eP	38	32.74	-0.1
LTCM	7.57	325	eP	38	37.28	3.7
HVU	8.15	20	eP	38	40.86	-1.1
LBFM	8.39	331	eP	38	42.74	-2.6
FHC	8.96	320	eP	38	52.83	-0.1
SHW	12.83	342	eP	39	45.40	-0.3
BMW	13.36	339	eP	39	53.15	0.4
PGC	15.41	342	eP	40	27.00	7.5
SIO	16.58	79	eP	40	37.60	2.9
TUL	17.00	78	e(P)	40	41.10	1.2
	0.8s	111.20nm				5.0mb
			e	40	46.50	
VVO	17.05	80	eP	40	41.30	0.7
OLY	20.53	79	eP	41	21.11	-0.5
FVM	21.35	72	eP	41	29.89	-0.1
	1.0s	63.06nm				5.0mb
LST	21.89	76	(P)	41	36.04	0.6
ULM	22.05	37	eP	41	38.50	1.6
YKA	28.40	2	eP	42	39.20	2.4
	1.2s	8.70nm				4.4mb
FCC	28.77	24	eP	42	45.00	4.8
NAV	29.00	73	eP	42	43.48	0.9
BALM	31.67	336	eP	43	05.69	-0.4
TOA	33.73	335	eP	43	28.70	4.7
TBR	33.89	66	eP	43	25.70	0.2
PMR	34.47	333	eP	43	29.88	-0.4
	0.8s	36.55nm				5.3mb
PMR	34.47	333	eP	43	35.00	4.7
	0.9s	58.50nm				5.5mb
REF	35.27	330	eP	43	36.09	-1.3
FBA	36.16	338	eP	43	46.50	1.9
SVW	36.82	329	eP	43	53.40	3.1
TTA	37.89	332	eP	43	59.01	-0.2
	0.9s	25.60nm				5.0mb
TTA	37.89	332	eP	44	03.30	4.0
	1.1s	52.80nm				5.2mb
IMA	38.80	337	eP	44	11.20	4.3
	0.9s	24.00nm				4.9mb
LMN	40.59	57	eP	44	26.50	4.7
MBC	42.21	359	eP	44	37.50	2.8
	1.0s	47.00nm				5.2mb
SDV	48.92	110	eP	45	27.50	-1.6
ZOBO	68.03	129	eP	47	42.00	-1.2
LPB	68.23	130	P	47	47.10	2.9
CNCB	68.51	130	P	47	47.00	0.9
CCH	70.11	129	(P)	47	57.00	1.4
SIV	72.51	124	P	48	09.00	-0.7
EKA	74.27	33	P	48	22.00	2.6
	1.3s	24.30nm				5.1mb
KAF	79.48	17	eP	48	49.30	0.9
FLN	79.71	37	eP	48	53.10	3.3
	0.9s	10.80nm				4.8mb
LPF	79.90	38	eP	48	54.20	3.3
	1.0s	11.00nm				4.8mb
LDF	80.00	37	eP	48	54.80	3.4
	0.9s	9.15nm				4.7mb
NUR	80.44	18	iP	48	57.40	3.9
MAT	81.13	308	eP	48	59.00	1.3
DOU	81.26	34	P	49	03.00	5.0
MFF	81.30	39	eP	49	01.80	3.5
	1.0s	13.80nm				5.0mb
LSF	82.39	38	eP	49	07.30	3.2
TCF	82.72	38	eP	49	09.10	3.3
	1.1s	13.45nm				5.0mb
SSF	82.84	37	eP	49	09.80	3.5
	0.9s	7.85nm				4.9mb
LFF	82.86	40	eP	49	10.20	3.7
	0.7s	9.70nm				5.1mb
LOR	82.87	36	eP	49	10.00	3.5
	1.0s	15.40nm				5.1mb
MAF	82.94	38	eP	49	10.30	3.4
	0.9s	10.80nm				5.0mb
AVF	82.95	37	eP	49	10.80	3.9
	1.1s	13.65nm				5.0mb
RJF	83.03	39	eP	49	10.80	3.4
	0.9s	12.30nm				5.1mb
LBF	83.12	36	eP	49	11.20	3.3
	1.2s	11.60nm				4.9mb
LPO	83.27	40	eP	49	12.10	3.5
	1.2s	14.90nm				5.1mb
SMF	83.29	37	eP	49	11.80	3.1
HAU	83.55	35	eP	49	13.50	3.5
CAF	83.57	39	eP	49	13.60	3.4
	1.2s	14.30nm				5.1mb
CDF	83.69	34	eP	49	14.20	3.4
	1.0s	6.60nm				4.8mb
BSF	83.88	35	eP	49	15.30	3.5
	0.9s	9.50nm				5.0mb
EPF	83.92	41	eP	49	15.50	3.5
	0.9s	4.90nm				4.7mb
LPL	85.51	36	eP	49	24.40	4.2
	0.7s	3.75nm				4.7mb
LPG	85.54	36	eP	49	24.70	4.3
	1.1s	9.30nm				4.9mb
BUL	146.09	75	ePKP	56	24.00	1.9
MAW	146.49	180	ePKPd	56	22.00	0.9
	1.0s	17.00nm				
BLF	147.90	91	ePKP	56	27.50	2.7
PRY	148.21	87	iPKPc	56	34.00	8.6
SLR	148.42	84	ePKP	56	27.20	1.5

82 obs. associated

& JUN 28, 1992 12h 40m 53.51s
34.341 N 116.529 W
DEPTH = 6.0km (geophysicist)
4.8mb (25 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 5.2 (PAS).

TPNV	2.61	5	eP	41	37.10	0.0
BCH	3.05	287	eP	41	41.00	-2.2
PKEM	3.40	301	eP	41	45.85	-2.3
PHAM	3.51	296	ePn	41	46.93	-2.8
ARN	5.05	308	eP	42	07.84	-3.8
DUG	6.55	26	(P)	42	30.99	-1.9
ORV	6.55	324	eP	42	29.95	-2.8
NWRM	6.57	311	eP	42	28.13	-4.9
SHW	12.61	342	(P)	43	56.72	0.4
BMW	13.14	339	eP	44	02.19	-1.2
FNO	15.74	81	iPc	44	35.20	-2.2
ULM	21.94	37	eP	45	49.50	0.2
FCC	28.62	25	eP	46	54.50	2.1
BALM	31.45	336	eP	47	16.20	-1.6
PMR	34.26	333	(P)	47	40.00	-2.0
	1.2s	53.03nm				5.3mb
FBA	35.95	338	eP	47	55.50	-0.9
TTA	37.67	332	eP	48	09.00	-2.0
IMA	38.58	337	eP	48	17.00	-1.7
	1.0s	13.40nm				4.6mb
MBC	42.01	359	eP	48	45.00	-1.7
	1.0s	67.00nm				5.3mb
SIV	72.69	124	P	52	21.00	-3.4
EKA	74.14	33	P	52	32.00	-0.3
	1.1s	11.30nm				4.8mb
NB2	75.88	23	P	52	42.20	0.0
	0.9s	7.60nm				4.8mb
UPP	78.82	22	iP	52	58.20	-0.2
KAF	79.31	17	iP	53	01.00	-0.1
	0.7s	7.40nm				4.8mb
FLN	79.60	37	eP	53	03.10	0.2
	0.8s	5.10nm				4.6mb
GRR	79.65	38	eP	53	04.30	1.1
	1.0s	8.40nm				4.7mb
LPF	79.79	38	eP	53	05.00	1.1
	1.1s	14.15nm				4.8mb
LDF	79.89	37	eP	53	05.40	1.0
	1.0s	10.40nm				4.7mb
NUR	80.27	18	iP	53	06.80	0.5
	0.7s	8.00nm				4.8mb
DOU	81.14	34	P	53	12.90	1.9
MFF	81.19	39	eP	53	12.60	1.2
	1.0s	9.60nm				4.8mb
WLF	82.16	34	Pd	53	18.00	1.7
LSF	82.29	38	eP	53	18.00	0.9
TCF	82.61	38	eP	53	19.70	0.9
SSF	82.72	37	eP	53	20.40	1.0
	0.9s	6.70nm				4.8mb
BGF	82.74	37	eP	53	20.30	0.8
	1.0s	15.40nm				5.1mb
LOR	82.75	36	eP	53	20.70	1.1
	0.7s	4.85nm				4.8mb
LFF	82.76	40	eP	53	20.90	1.3
	0.8s	6.45nm				4.9mb
MAF	82.83	38	eP	53	20.90	0.9
	1.1s	6.10nm				4.7mb
AVF	82.84	37	eP	53	20.70	0.8
	1.2s	10.10nm				4.9mb
RJF	82.92	39	eP	53	21.50	1.1
	0.8s	5.10nm				4.8mb
LBF	83.01	36	eP	53	21.90	1.0
	1.4s	11.75nm				4.9mb
SMF	83.18	37	eP	53	22.10	0.3
HAU	83.43	35	eP	53	24.30	1.3
	1.0s	14.60nm				5.2mb
CAF	83.46	39	eP	53	24.40	1.1
CDF	83.57	34	eP	53	24.90	1.1
	1.1s	15.15nm				5.1mb
BSF	83.76	34	eP	53	26.00	1.2
	1.0s	17.80nm				5.2mb
CLL	83.88	29	iP	53	27.00	1.8
ITR	85.20	104	eP	53	29.00	-3.4
LPL	85.40	36	eP	53	35.00	1.7
	1.0s	9.00nm				4.9mb
LPG	85.42	36	eP	53	35.50	2.0
	1.1s	10.25nm				4.9mb
WRA	116.46	263	PKP	59	37.80	-2.5
	0.7s	0.50nm				
MAW	146.69	180	iPKPc	00	34.00	-1.1
	1.0s	13.00nm				
PRY	148.28	86	ePKP	00	34.00	-5.1
SLR	148.48	84	ePKP	00	24.50	-15.0

55 obs. associated

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* JUN 28, 1992 12h 57m 30.75± 1.02s
34.237 N ±14.8km 116.811 W ±13.5km
DEPTH = 10.0km (geophysicist)
3.3mb (1 obs.)
SOUTHERN CALIFORNIA (43)
MD 4.0 (PAS).

PEC	0.45	220	iP	57	39.98	0.1
ABL	2.08	288	eP	58	03.85	-2.5X
			S	58	32.73	
BCH	2.86	290	(P)	58	16.75	-0.6
			S	58	55.29	
ARUT	4.47	37	eP	58	39.71	-0.6
MSU	5.67	40	(Pn)	58	56.02	-1.4
SRU	7.01	44	(P)	59	15.64	-0.5
EMUT	7.35	39	eP	59	22.58	1.7

YKA 28.31 2 eP 03 27.50 1.3
0.7s 0.40nm 3.3mb
S.D. = 1.4 on 7 of 8 obs.

& JUN 28, 1992 13h 10m 50.52s
34.414 N 116.461 W
DEPTH = 10.5km
4.6mb (5 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.8 (PAS).

TPNV 2.54 4 eP 11 31.72 -0.7
BCH 3.08 285 eP 11 36.90 -3.2
PKEM 3.41 300 eP 11 41.69 -3.0
PHAM 3.53 295 eP 11 42.96 -3.4
KVN 4.81 345 eP 12 02.74 -2.1
ARN 5.05 307 eP 12 05.02 -3.1
MSU 5.35 39 eP 12 14.87 2.3
DUG 6.46 26 eP 12 29.07 1.0
eS 14 14.76
ORV 6.53 323 eP 12 27.67 -1.2
NWRM 6.57 310 eP 12 25.55 -3.8
SRU 6.68 44 (P) 12 34.88 3.6
HVU 7.91 20 eP 12 46.73 -1.6
LBFM 8.14 330 eP 12 51.95 0.3
VGB 11.57 345 eP 13 39.52 0.9
SHW 12.56 341 eP 13 52.19 0.1
LON 12.97 343 eP 13 58.87 1.4
BMW 13.10 339 eP 13 59.96 0.8
RMW 13.64 344 eP 14 07.75 1.4
GMW 13.96 342 eP 14 11.12 0.7
PNT 15.07 352 eP 14 26.00 1.0
SES 16.46 12 eP 14 45.00 2.1
SIO 16.55 80 eP 14 48.30 4.1
TUL 16.97 79 eP 14 50.00 0.6
1.0s 20.40nm 4.2mb
Lg 19 51.10
VVO 17.03 81 eP 14 49.80 -0.4
ULM 21.84 37 eP 15 49.50 4.8
PRM 28.11 81 (P) 16 42.52 -1.9
YKA 28.13 2 eP 16 43.80 -0.4
0.9s 1.10nm 3.6mb
NAV 28.95 74 eP 16 51.42 -0.5
PMR 34.22 333 eP 17 37.20 -0.7
1.0s 15.00nm 4.9mb
REF 35.02 329 eP 17 44.46 -0.7
FBA 35.90 338 eP 17 53.00 0.7
SVW 36.57 329 eP 17 57.01 -1.0
0.3s 7.07nm 5.0mb
TTA 37.64 332 eP 18 07.00 0.0
IMA 38.54 337 eP 18 14.00 -0.6
MBC 41.94 359 ePc 18 43.00 0.7
1.0s 18.00nm 4.8mb
SIV 72.68 124 eP 22 19.00 -1.6
BRG 84.51 29 iP 23 30.70 6.1
ITR 85.17 104 (P) 23 27.00 -1.4
WRA 116.52 263 PKP 29 31.80 -4.9
0.8s 0.50nm
39 obs. associated

& JUN 28, 1992 13h 26m 05.14s
34.162 N 116.405 W
DEPTH = 6.0km (geophysicist)
4.7mb (7 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.9 (PAS).

SSK 1.07 273 (P) 26 24.55 -1.2
ABL 2.42 287 eP 26 44.94 -1.2
iS 27 17.02
TPNV 2.78 3 eP 26 50.11 -1.1
BCH 3.20 290 eP 26 55.13 -1.9
PKEM 3.58 303 eP 27 00.85 -1.5
PHAM 3.68 298 eP 27 02.01 -1.8
TNP 3.97 351 eP 27 05.95 -2.1
BONR 4.09 338 eP 27 06.67 -3.1
ARUT 4.34 33 ePn 27 11.26 -2.1
KVN 5.07 345 eP 27 21.96 -1.7
ARN 5.24 309 eP 27 24.11 -1.9
iS 28 51.01
MSU 5.52 37 eP 27 29.19 -1.0
DUG 6.67 24 eP 27 41.14 -5.1
ORV 6.76 324 eP 27 45.45 -1.8
SRU 6.84 42 ePn 27 48.31 -0.3
EMUT 7.20 37 eP 27 52.08 -1.6
DAU 7.47 32 eP 27 57.31 -0.2
LTCM 7.56 325 eP 27 59.90 1.3
HVU 8.13 20 ePn 28 04.77 -1.8
LBFM 8.38 330 eP 28 09.86 -0.4
FHC 8.95 320 eP 28 17.00 -1.0
SHW 12.81 341 eP 29 11.83 1.2
LON 13.23 344 eP 29 16.41 0.3
BMW 13.35 339 eP 29 18.47 0.8
DPW 13.76 355 eP 29 23.42 0.3
RMW 13.89 345 eP 29 25.17 0.3
GMW 14.21 342 eP 29 30.31 1.3
PNT 15.33 352 P 29 44.50 0.9
OCO 15.61 80 e(P) 29 45.10 -2.2
FNO 15.67 81 iPc 29 48.80 0.7
SIO 16.56 79 eP 30 01.50 2.0
Lg 34 52.40
SES 16.69 12 eP 30 03.00 1.9
TUL 16.97 78 eP 30 06.10 1.4
1.0s 66.90nm 4.7mb
Lg 35 03.90
VVO 17.03 80 eP 30 05.30 -0.1
Lg 35 02.80
CCM 20.68 72 ePd 30 49.54 1.2
1.3s 32.47nm 4.5mb
FVM 21.32 72 eP 30 54.70 -0.2
1.3s 39.51nm 4.6mb
ULM 22.02 37 eP 31 03.00 1.2
YKA 28.37 2 eP 32 00.00 -1.8
1.0s 2.90nm 4.0mb
FCC 28.74 24 eP 32 07.00 1.9
BALM 31.66 336 (P) 32 30.70 -0.5
PMR 34.46 333 eP 32 56.20 0.8
REF 35.26 329 eP 33 01.95 -0.6
FBA 36.15 338 eP 33 10.60 0.8
1.3s 31.80nm 5.0mb
TTA 37.88 332 eP 33 24.90 0.5
IMA 38.79 337 eP 33 32.50 0.5
1.1s 16.70nm 4.6mb
MBC 42.19 359 ePc 34 00.50 0.7
1.5s 75.00nm 5.2mb
BRG 84.71 29 e(P) 38 44.80 3.8
47 obs. associated

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* JUN 28, 1992 13h 28m 23.64± 1.04s
36.419 N ±11.7km 116.780 W ±11.9km
DEPTH = 10.0km (geophysicist)
4.3mb (5 obs.)
CALIFORNIA-NEVADA BORDER REGION (40)
Felt at Furnace Creek,
California and Beatty, Nevada.

TPNV 0.68 39 eP 28 39.30 2.1
eS 28 50.07
TNP 1.70 348 (P) 28 55.14 1.5
ABL 2.53 233 (P) 29 05.84 0.2
KVN 2.83 339 (P) 29 10.32 0.4
BCH 2.95 246 (P) 29 13.11 1.5
LON 10.98 342 eP 31 11.51 7.6X
BMW 11.15 336 eP 31 08.99 2.9X
DPW 11.49 355 eP 31 14.19 3.4X
FVM 21.03 78 (P) 33 09.26 -0.6
1.0s 7.88nm 4.0mb
YKA 26.14 2 eP 33 57.40 -1.9
0.9s 5.10nm 4.2mb
PMR 32.33 331 eP 34 53.70 -1.0
1.0s 10.00nm 4.7mb
REF 33.18 328 (P) 35 01.17 -1.2
FBA 33.95 337 eP 35 08.29 -0.6
1.0s 6.30nm 4.5mb
IMA 36.60 336 eP 35 30.99 -0.5
1.2s 5.17nm 4.2mb
S.D. = 1.4 on 11 of 14 obs.

& JUN 28, 1992 13h 42m 23.81s
37.731 N 113.178 W
DEPTH = 2.4km
UTAH (478)
<SLC-P>. MD 2.6 (SLC). Felt at
Cedar City.

ARUT 0.22 285 iPc 42 28.21 0.0
MSU 1.11 45 ePd 42 45.37 -0.2
SRU 2.50 56 eP 43 10.09 3.8
3 obs. associated

? JUN 28, 1992 13h 43m 00.39± 1.38s
35.349 N ±20.3km 143.149 E ±22.9km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)
OFF EAST COAST OF HONSHU, JAPAN (229)

MAT 4.18 288 eP 44 03.00 -0.5
eS 44 46.00

GKN 49.72 279 P 51 52.60 1.0
WB2 55.62 190 eP 52 34.90 -0.4
0.8s 2.10nm 4.2mb
WRA 55.62 190 P 52 35.50 0.2
0.6s 1.10nm 4.1mb
NB2 76.28 338 P 54 47.00 -0.2
1.1s 3.50nm 4.3mb
S.D. = 0.8 on 5 of 5 obs.

& JUN 28, 1992 13h 48m 35.02s
37.733 N 113.177 W
DEPTH = 4.2km
UTAH (478)
<SLC-P>. MD 2.7 (SLC).

ARUT 0.22 285 iPc 48 39.39 -0.1
MSU 1.11 45 ePc 48 56.50 -0.1
SRU 2.50 56 eP 49 21.28 4.0
EMUT 2.78 41 e(P) 49 22.84 1.5
4 obs. associated

& JUN 28, 1992 13h 50m 45.71s
34.111 N 116.410 W
DEPTH = 0.1km
4.6mb (8 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.9 (PAS).

DUG 6.72 24 (P) 52 26.46 -1.7
NWRM 6.79 312 eP 52 23.32 -5.8
EMUT 7.24 37 eP 52 33.01 -2.6
DAU 7.51 32 eP 52 37.54 -1.9
LTCM 7.60 325 (P) 52 35.77 -4.7
HVU 8.18 19 eP 52 47.44 -1.2
LBFM 8.43 331 eP 52 51.13 -1.1
SHW 12.86 342 eP 53 51.17 -1.5
LON 13.27 344 eP 53 55.73 -2.3
BMW 13.39 339 (P) 53 56.72 -2.9
DPW 13.81 355 (P) 54 05.07 -0.1
RMW 13.94 345 (P) 54 00.71 -6.2
GMW 14.26 342 eP 54 06.25 -4.7
PNT 15.38 352 ePd 54 27.00 1.4
OCO 15.62 79 e(P) 54 29.90 1.1
TUL 16.99 78 ePc 54 48.80 2.5
1.0s 69.50nm 4.7mb
e 54 51.10
e 55 01.60
VVO 17.04 80 eP 54 48.30 1.3
OLY 20.52 79 eP 55 27.54 -0.6
CCM 20.70 72 eP 55 30.42 0.4
0.8s 6.67nm 4.0mb
FVM 21.34 72 eP 55 37.15 0.6
0.9s 22.90nm 4.5mb
ULM 22.06 37 eP 55 46.00 2.3
PRM 28.12 80 eP 56 42.17 0.8
YKA 28.43 2 eP 56 42.70 -1.1
1.1s 2.80nm 4.0mb
NAV 28.99 73 eP 56 49.96 0.7
TBR 33.88 65 eP 57 33.08 0.9
PMS 34.46 332 eP 57 35.90 -1.1
PMR 34.51 333 eP 57 34.57 -2.7
0.8s 10.97nm 4.8mb
REF 35.30 330 eP 57 43.41 -1.0
CPKM 35.53 331 eP 57 44.22 -2.1
FBA 36.20 338 eP 57 52.20 0.5
0.9s 16.40nm 4.8mb
TTA 37.92 332 eP 58 05.90 -0.4
IMA 38.83 337 eP 58 12.14 -1.8
0.8s 4.46nm 4.2mb
MBC 42.24 359 eP 58 42.00 0.3
1.0s 24.00nm 4.9mb
ZOBO 67.99 129 P 01 49.00 -0.8
LPB 68.20 130 P 01 58.40 7.6
CNCB 68.48 130 P 01 52.00 -0.7
i 02 44.80
SIV 72.48 124 eP 02 14.00 -2.4
37 obs. associated

& JUN 28, 1992 14h 09m 28.81s
34.111 N 116.646 W
DEPTH = 7.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.1 (PAS), 4.0 (GS).

28d 14h

ABL 2.25 290 ePn 10 04.65 -2.5
TPNV 2.85 6 eP 10 08.89 -6.7
BCH 3.03 292 eP 10 15.88 -2.2
PHAM 3.53 300 ePn 10 23.09 -2.0
TNP 3.99 353 ePn 10 30.40 -1.4
BONR 4.06 341 ePn 10 31.34 -1.6
ARUT 4.50 34 ePn 10 36.42 -2.5
MSU 5.69 38 ePn 10 54.68 -1.2
DAU 7.62 33 eP 11 19.50 -3.6
9 obs. associated

& JUN 28, 1992 14h 29m 01.93s
34.612 N 116.646 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.8 (PAS), 3.8 (GS).

PEC 0.84 211 iP 29 17.43 -1.2
SSK 0.95 245 iP 29 20.02 -1.1
PLM 1.27 188 iPc 29 25.22 -1.3
ABL 2.13 277 ePn 29 37.45 -2.1
eS 30 10.92
TPNV 2.35 8 (Pn) 29 41.14 -1.5
S 30 17.85
BCH 2.88 282 ePn 29 48.25 -1.9
PKEM 3.18 298 (Pn) 29 53.79 -0.4
PHAM 3.31 293 ePn 29 54.77 -1.2
TNP 3.49 353 ePn 29 57.13 -1.7
ARUT 4.09 38 iPnc 30 03.92 -3.4
KVN 4.58 346 (Pn) 30 12.48 -1.8
ARN 4.81 306 eP 30 13.11 -4.4
MSU 5.30 41 ePn 30 20.95 -3.6
DUG 6.35 28 ePn 30 38.12 -1.2
SRU 6.65 46 (Pn) 30 41.39 -2.2
HVU 7.78 22 (Pn) 30 56.93 -2.3
16 obs. associated

& JUN 28, 1992 14h 39m 06.91s
34.089 N 116.426 W
DEPTH = 0.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.3 (PAS), 4.1 (GS).

ABL 2.43 289 ePn 39 46.69 -2.1
TPNV 2.86 3 ePn 39 54.56 -0.2
S 40 37.09
BCH 3.21 291 ePn 39 57.12 -2.5
PKEM 3.60 304 ePn 40 02.74 -2.4
PHAM 3.70 299 eP 40 03.56 -3.0
TNP 4.04 351 ePn 40 09.82 -1.7
BONR 4.15 339 ePn 40 11.92 -1.2
iPg 40 24.33
ARUT 4.41 32 ePn 40 15.02 -1.9
KVN 5.13 345 ePn 40 25.33 -1.7
ARN 5.28 310 ePn 40 25.39 -3.6
MSU 5.59 37 ePn 40 33.52 -0.1
DUG 6.74 24 eP 40 48.93 -0.8
ORV 6.81 325 eP 40 49.03 -1.4
SRU 6.90 42 ePn 40 52.03 0.0
HVU 8.20 20 ePn 41 09.83 -0.3
15 obs. associated

& JUN 28, 1992 14h 43m 21.00s
34.163 N 116.855 W
DEPTH = 6.0km (geophysicist)
5.5mb (62 obs.) 5.4Msz (6 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 5.3 (PAS). Felt in Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura Counties.

ABL 2.07 290 eP 43 56.19 -0.7
TPNV 2.82 10 eP 44 08.32 0.7
BCH 2.85 292 ePn 44 07.01 -1.0
PKEM 3.27 306 eP 44 12.92 -0.9
PHAM 3.35 301 eP 44 13.90 -1.1
TNP 3.92 356 ePn 44 22.57 -0.7
BONR 3.96 343 eP 44 23.35 -0.6
ARUT 4.56 36 eP 44 31.51 -0.7
ARN 4.96 311 ePc 44 35.65 -2.1
KVN 4.98 349 ePn 44 37.60 -0.7
MSU 5.75 40 eP 44 48.50 -0.7
NWRM 6.49 313 eP 44 56.65 -2.7
ORV 6.54 327 ePn 44 58.40 -1.8
iS 46 47.61
DUG 6.83 27 ePn 45 03.35 -1.0
1.6s 31.19nm 5.2mb
iS 46 57.47
SRU 7.09 44 eP 45 08.17 0.2
LTCM 7.35 327 ePn 45 09.27 -2.2
EMUT 7.43 39 eP 45 13.28 0.5
DAU 7.67 34 eP 45 17.25 1.0
iS 47 24.89
LBFM 8.20 332 eP 45 24.64 1.0
iS 47 41.48
HVU 8.26 22 eP 45 24.18 -0.1
FHC 8.72 322 eP 45 31.10 0.5
eS 47 46.03
VGB 11.73 346 eP 46 15.04 3.1
SHW 12.70 343 eP 46 28.00 3.0
LON 13.12 345 eP 46 32.68 2.1
BMW 13.22 340 eP 46 33.07 1.2
DPW 13.73 356 eP 46 40.39 1.8
RMW 13.80 346 eP 46 41.15 1.7
GMW 14.10 343 eP 46 45.45 2.1
PNT 15.28 353 P 47 01.20 2.4
PGC 15.29 343 eP 47 05.00 6.2
1.3s 236.00nm 5.4mb
OCO 15.97 80 iPd 47 12.00 4.1
FNO 16.04 81 iPd 47 12.00 3.3
SES 16.77 13 P 47 19.00 1.0
2.3s 11.60nm 3.6mb X
SIO 16.92 79 eP 47 23.40 3.5
TUL 17.34 78 eP 47 27.10 1.9
1.0s 497.40nm 5.6mb
e 47 32.20
Lg 52 24.30
OLY 20.87 79 eP 48 05.54 -0.6
CCM 21.03 72 eP 48 08.19 0.4
1.4s 135.89nm 5.1mb
Z 20s 8.16um 5.1Msz
FVM 21.67 72 eP 48 14.21 -0.1
0.9s 118.34nm 5.3mb
LST 22.23 76 eP 48 21.23 1.4
ULM 22.24 37 eP 48 21.50 1.6
PWLA 23.69 80 eP 48 35.58 1.3
SIT 26.12 337 eP 48 58.80 1.6
1.0s 91.10nm 5.4mb
GBTN 26.75 77 eP 49 03.35 0.1
TKL 27.10 77 eP 49 06.69 0.2
YKA 28.39 2 eP 49 16.70 -1.1
0.9s 24.30nm 5.0mb
FCC 28.89 25 eP 49 24.00 1.6
NAV 29.33 73 eP 49 25.85 -0.8
JSC 29.34 80 eP 49 28.02 1.3
BLA 29.63 74 eP 49 28.90 -0.5
1.2s 98.81nm 5.5mb
LHS 29.68 79 eP 49 31.48 1.8
MCWV 29.95 69 P 49 40.00 7.9
Z 19s 8.19um 5.4Msz
SGS 30.16 81 eP 49 36.15 2.1
HBF 30.33 82 eP 49 36.76 1.3
CEH 30.85 76 eP 49 42.25 2.2
1.0s 29.96nm 5.1mb
Z 22s 5.72um 5.2Msz
EEO 31.06 55 eP 49 41.50 -0.3
CVL 31.12 72 eP 49 43.06 0.6
BALM 31.50 336 eP 49 45.54 -0.2
KLU 33.06 335 eP 49 59.59 0.4
TOA 33.56 335 ePc 50 05.50 1.9
LVNJ 33.80 66 eP 50 05.78 0.0
SLKM 34.06 331 eP 50 08.13 0.2
TBR 34.20 66 eP 50 09.10 -0.2
PNJ 34.26 66 iP 50 10.40 0.7
PMR 34.29 333 ePc 50 11.00 1.2
1.3s 233.80nm 5.9mb
REF 35.07 330 eP 50 16.60 -0.2
CRP 35.28 331 eP 50 18.77 0.3
CPKM 35.31 331 eP 50 17.45 -1.3
FBA 36.01 338 ePc 50 24.90 0.5
1.2s 97.10nm 5.5mb
HRV 36.14 63 P 50 40.00 14.2
Z 21s 6.69um 5.4Msz
SVW 36.62 329 eP 50 30.50 0.8
SDN 36.72 319 eP 50 31.70 1.2
TTA 37.70 332 ePc 50 39.50 0.7
1.1s 89.20nm 5.4mb
HON 38.35 261 P 50 50.00 5.5
Z 21s 6.69um 5.4Msz
IMA 38.64 337 ePc 50 47.70 1.0
1.2s 114.10nm 5.4mb
LMN 40.87 57 eP 51 07.00 1.8
ANM 42.15 331 eP 51 16.80 1.3
MBC 42.18 359 ePc 51 16.50 0.9
1.0s 86.00nm 5.4mb
ADK 45.82 312 ePc 51 43.83 -1.4
0.8s 69.40nm 5.7mb
SDV 49.26 110 eP 52 13.00 0.2
SMY 51.39 313 P 52 40.00 11.6
Z 19s 7.15um 5.7Msz
ZOBO 68.31 129 iPc 54 29.00 2.9
1.3s 35.88nm 5.4mb
LPB 68.51 129 iPc 54 31.00 3.9
CNCB 68.79 129 eP 54 30.00 1.0
i 54 33.00
YAK 70.28 333 iPc 54 35.50 -1.3
1.3s 100.00nm 5.8mb
CCH 70.40 128 eP 54 43.00 4.5
SIV 72.82 124 P 54 51.60 -1.1
ELO 73.49 32 ePd 54 55.80 -0.2
0.9s 75.00nm 5.8mb
DMU 73.55 35 eP 54 55.50 -0.9
0.9s 67.00nm 5.7mb
DCN 73.70 36 eP 54 56.30 -0.9
1.0s 58.00nm 5.6mb
EBH 73.72 32 ePd 54 57.10 -0.2
1.0s 52.00nm 5.5mb
EDU 73.75 32 ePd 54 57.00 -0.5
1.5s 18.00nm 4.9mb
EAU 73.99 33 ePd 54 58.70 -0.2
EDI 74.06 32 ePd 54 59.20 -0.1
0.9s 60.00nm 5.6mb
DLF 74.09 36 eP 54 59.20 -0.3
0.8s 103.00nm 5.9mb
EBL 74.22 32 ePd 55 00.10 -0.1
1.1s 56.00nm 5.5mb
ESY 74.32 32 ePd 55 00.60 -0.2
EKA 74.44 33 Pd 55 01.10 -0.4
1.1s 24.50nm 5.1mb
ECB 74.51 37 eP 55 01.30 -0.7
ETA 74.60 36 eP 55 02.00 -0.5
ECP 74.83 37 eP 55 03.00 -0.8
1.0s 100.00nm 5.8mb
NB2 76.15 23 P 55 10.60 -0.7
1.0s 20.90nm 5.2mb
KONO 76.63 25 eP 55 14.30 0.4
UPP 79.09 22 iP 55 26.40 -1.0
KAF 79.56 17 iP 55 29.40 -0.5
0.9s 20.60nm 5.1mb
ZON 79.57 140 eP 55 32.00 1.5
PEL 79.77 142 iPc 55 36.20 4.7
1.5s 72.22nm 5.4mb
FLN 79.90 37 iPc 55 32.20 0.2
1.4s 50.55nm 5.3mb
GRR 79.96 37 iPc 55 32.60 0.3
0.9s 14.60nm 4.9mb
LPF 80.10 38 iPc 55 33.30 0.2
1.2s 41.35nm 5.3mb
LDF 80.19 37 iPc 55 33.80 0.2
1.2s 29.15nm 5.1mb
WIT 80.43 31 eP 55 36.50 1.8
NUR 80.53 18 iP 55 34.50 -0.6
0.8s 24.60nm 5.3mb
MAT 80.84 308 eP 55 36.00 -1.3
1.3s 28.85nm 5.1mb
SNF 81.00 34 P 55 39.00 1.2
WTS 81.08 31 iPd 55 39.00 0.9
DOU 81.43 34 P 55 40.30 0.2
MFF 81.50 39 iPc 55 40.80 0.3
1.2s 39.85nm 5.4mb
ENN 81.56 33 iPc 55 40.90 0.2
i 55 45.80
WLF 82.45 33 iPc 55 46.26 0.9
i 56 05.38
LSF 82.59 38 eP 55 46.30 0.1
1.0s 12.80nm 5.0mb
TCF 82.91 38 eP 55 48.00 0.1
1.1s 21.00nm 5.2mb
SSF 83.03 36 iPc 55 48.80 0.3
1.5s 79.90nm 5.7mb
BGF 83.05 37 eP 55 48.70 0.1
1.0s 37.80nm 5.6mb
LOR 83.06 36 iPc 55 49.00 0.4
1.3s 83.40nm 5.8mb
LFF 83.07 39 iPc 55 49.20 0.5
MAF 83.14 38 iPc 55 49.50 0.4
1.1s 42.00nm 5.6mb
AVF 83.14 37 iPc 55 49.10 0.1
1.4s 63.15nm 5.6mb
GUD 83.16 45 eP 55 49.00 -0.4

RJF 83.23 39 iPc 55 49.70 0.2
1.6s 69.05nm 5.6mb
LBF 83.31 36 iPc 55 50.10 0.1
1.5s 64.25nm 5.6mb
VITF 83.41 34 P 55 50.54 0.1
LPO 83.48 39 iPc 55 51.20 0.4
1.3s 31.75nm 5.4mb
SMF 83.48 37 iPc 55 50.70 -0.1
1.2s 64.25nm 5.7mb
PPD 83.68 122 eP 55 52.70 0.6
e 55 57.60
HAU 83.73 34 iPc 55 52.30 0.2
1.1s 67.90nm 5.8mb
CAF 83.77 39 iPc 55 52.50 0.2
1.2s 56.25nm 5.7mb
CDF 83.87 34 P 55 52.83 0.0
CN2 83.89 320 eP 55 57.60 4.7
1.0s 7.40nm 4.9mb
BSF 84.06 34 iPc 55 53.90 0.0
1.1s 68.35nm 5.8mb
MOX 84.11 30 iPc 55 54.20 0.3
1.5s 60.00nm 5.6mb
EPF 84.14 41 iPc 55 54.70 0.4
1.4s 23.10nm 5.2mb
CLL 84.17 29 iPc 55 54.30 0.1
1.2s 43.00nm 5.6mb
MOF 84.21 34 P 55 54.32 -0.2
LIBD 84.21 34 P 55 54.19 -0.2
EHOR 84.29 48 eP 55 55.00 0.0
EGRA 84.33 42 eP 55 57.20 2.1
LOMF 84.43 35 P 55 55.39 -0.3
FEL 84.60 34 P 55 56.41 -0.1
GRF 84.67 31 ePc 55 57.30 0.6
1.1s 61.00nm 5.7mb
BRG 84.89 29 iP 55 58.20 0.4
1.0s 50.00nm 5.7mb
EVIA 85.42 46 eP 56 01.00 0.2
ITR 85.42 104 eP 56 01.50 0.5
e 56 04.90
MAL 85.50 48 iPd 56 02.20 1.1
ECHE 85.70 44 eP 56 02.40 0.3
LPL 85.70 36 eP 56 03.10 0.8
1.0s 18.40nm 5.2mb
LPG 85.73 36 eP 56 03.20 0.7
1.1s 21.50nm 5.2mb
PRU 85.81 29 P 56 02.50 0.1
e 56 08.00
KSP 85.83 28 iP 56 02.60 0.1
ePP 59 18.70
EHUE 85.91 46 iPd 56 03.20 0.0
KHC 86.09 30 eP 56 03.00 -0.9
e 56 05.00
SNY 86.24 319 eP 56 04.30 -0.4
IRK 86.71 336 iPd 56 06.80 -0.1
1.5s 41.00nm 5.4mb
PDCR 87.05 107 eP 56 08.70 -0.2
e 56 13.90
OJC 87.65 26 eP 56 11.50 0.1
OBN 88.22 15 iPc 56 13.00 -1.0
1.1s 27.00nm 5.5mb
e 56 17.00
e 57 18.00
ZST 88.26 29 eP 56 14.70 0.3
SRO 89.05 28 eP 56 16.50 -1.6
BJI 91.41 322 eP 56 28.00 -1.2
1.3s 20.00nm 5.3mb
HHC 93.06 325 eP 56 38.40 1.4
BTO 93.97 326 eP 56 40.70 -0.5
PKI 115.08 338 PKP 02 00.00 -5.5
WB2 116.16 263 ePKP 02 00.50 -6.8
0.7s 2.40nm
WRA 116.17 263 PKP 02 01.20 -6.1
0.7s 1.10nm
BCAO 123.07 57 iPKPc 02 20.10 -0.5
0.4s 8.00nm
WIN 138.18 86 ePKP 02 37.00 -12.5
BUL 146.43 74 iPKPc 03 04.20 0.4
1.0s 23.00nm
MAW 146.52 180 iPKPd 03 03.60 1.3
1.0s 42.00nm
BLF 148.25 91 ePKP 03 07.90 1.4
0.7s 10.00nm
PRY 148.56 86 ePKP 03 07.00 -0.1
SLR 148.76 84 ePKP 02 52.50 -14.9
180 obs. associated

& JUN 28, 1992 15h 04m 51.46s
34.163 N 116.827 W
DEPTH = 12.2km
4.3mb (2 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.4 (PAS).

PEC 0.39 226 iPd 04 58.78 -0.7
SSK 0.72 274 iPc 05 04.79 -0.8
PLM 0.81 182 iPd 05 06.38 -0.7
ABL 2.09 290 iPc 05 25.90 -1.0
TPNV 2.82 9 eP 05 36.64 -0.6
BCH 2.87 292 iPc 05 36.63 -1.3
PKEM 3.29 306 ePn 05 41.95 -1.8
PHAM 3.37 301 ePn 05 43.29 -1.7
TNP 3.92 355 eP 05 51.84 -1.1
BONR 3.97 343 ePn 05 52.96 -0.7
ARUT 4.54 36 ePn 06 00.30 -1.4
ARN 4.97 311 ePnc 06 05.01 -2.7
KVN 4.98 349 ePn 06 06.70 -1.3
MSU 5.74 40 ePn 06 16.93 -1.8
ORV 6.56 327 eP 06 29.43 -0.6
DUG 6.82 27 eP 06 33.36 -0.5
SRU 7.07 44 eP 06 37.90 0.5
EMUT 7.41 39 eP 06 42.70 0.5
DAU 7.66 34 eP 06 45.59 -0.1
LBFM 8.21 332 eP 06 55.11 1.7
HVU 8.25 22 ePn 06 53.72 -0.1
YKA 28.39 2 eP 10 53.70 6.5
0.8s 0.50nm 3.3mb X
PMR 34.30 333 eP 11 41.25 1.9
1.3s 8.27nm 4.5mb
FBA 36.02 338 (P) 12 00.14 6.2
0.8s 2.87nm 4.2mb
24 obs. associated

& JUN 28, 1992 15h 05m 30.70s
34.203 N 116.827 W
DEPTH = 5.0km (geophysicist)
6.3mb (113 obs.) 6.7Msz (36 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. Mo=2.0*10**19 Nm (PPT).
Some people injured, substantial damage and landslides in the Big Bear Lake and Big Bear City areas. Maximum intensity VIII. Felt throughout much of southern California and in parts of southern Nevada and western Arizona.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=318 Dip=78 Slip= 180
NP2: 228 90 348
Principal Axes:
T Plg= 8 Azm=274
P 8 182
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy 5.7±1.3*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 66C M.W.: 17S, 29C
Centroid Location:
Origin Time 15:05:39.6 0.3
Lat 34.27N 0.03 Lon 117.24W 0.03
Dep 15.0 FIX Half-duration 8.2
Moment Tensor; Scale 10**18 Nm
Mrr= 0.14 0.12 Mtt=-6.81 0.17
Mff= 6.67 0.16 Mrt= 0.04 0.40
Mrf= 0.36 0.39 Mtf= 0.62 0.12
Principal Axes:
T Val= 6.72 Plg= 3 Azm=273
N 0.12 87 90
P -6.84 0 183
Best Double Couple:Mo=6.8*10**18
NP1:Strike=318 Dip=88 Slip= 178
NP2: 48 88 2

PFO 0.67 152 ePn 05 42.67 -1.4
ISA 1.99 318 ePn 05 59.98 -5.4
SBC 2.40 277 ePnc 06 09.97 -1.3
TPNV 2.78 10 ePn 06 16.55 -0.3
BCH 2.86 291 iPc 06 16.24 -1.7
PKEM 3.27 306 iP 06 22.18 -1.4
LTCM 7.33 326 eP 07 19.26 -1.8
HVU 8.21 22 eP 07 32.06 -1.4
FHC 8.70 321 eP 07 38.70 -1.5
VGB 11.70 346 eP 08 22.92 1.6
SHW 12.66 343 eP 08 35.98 1.6
LON 13.09 345 eP 08 40.92 1.0
BMW 13.19 340 eP 08 41.25 0.0
DPW 13.69 356 eP 08 46.94 -1.0
RMW 13.76 346 eP 08 49.67 0.8
GMW 14.07 343 eP 08 53.42 0.6
MZX 14.25 138 eP 08 58.80 3.5
PNT 15.24 353 P 09 08.90 0.7
PGC 15.26 343 eP 09 09.00 0.7
1.5s 1928.00nm 6.3mb
OCO 15.94 80 iPd 09 17.20 -0.1
FNO 16.01 81 iPc 09 17.10 -1.1
SES 16.73 13 P 09 27.00 -0.3
3.2s 186.00nm 4.7mb X
SIO 16.89 79 eP 09 21.20 -8.2
TUL 17.31 78 ePc 09 34.30 -0.3
1.0s 1402.50nm 6.0mb
Z 16s 298.09um 4.9Msz
e 09 36.80
LR 14 23.00
Lg 14 35.40
VVO 17.37 80 eP 09 34.20 -1.2
AGX 17.73 130 (P) 09 45.00 5.1
CGX 18.69 137 eP 09 56.50 4.4
MRX 20.03 132 eP 10 09.20 1.8
OLY 20.84 79 eP 10 13.77 -2.0
CCM 21.00 72 ePc 10 16.61 -0.7
Z 21s 204.80um 6.5Msz
UNM 21.57 129 eP 10 27.00 3.4
FVM 21.64 72 eP 10 22.48 -1.4
1.2s 1048.29nm 6.1mb
III 22.10 131 eP 10 28.50 -0.3
LST 22.19 76 eP 10 28.93 -0.5
ULM 22.19 37 ePc 10 29.90 0.6
IIT 22.37 128 eP 10 33.20 1.7
ACX 23.01 134 eP 10 39.50 1.9
PWLA 23.66 80 ePc 10 43.74 -0.1
OXX 24.80 128 (P) 10 57.00 1.8
SIT 26.09 337 eP 11 06.60 -0.2
1.4s 537.28nm 6.1mb
Z 19s 60.15um 6.1Msz
GBTN 26.72 77 eP 11 11.13 -1.7
TKL 27.07 77 ePc 11 14.76 -1.3
YKA 28.35 2 eP 11 25.80 -1.5
1.1s 64.90nm 5.4mb
PRM 28.45 80 eP 11 27.24 -1.3
DLA 28.73 62 P 11 30.10 -0.9
FCC 28.85 25 eP 11 32.00 0.2
ELF 28.95 61 P 11 31.10 -1.9
LDN 29.03 62 P 11 31.70 -2.0
NAV 29.30 73 eP 11 34.89 -1.3
JSC 29.31 80 ePc 11 34.53 -1.8
TPX 29.34 125 (P) 11 37.00 0.4
BLA 29.60 74 ePc 11 37.89 -1.0
1.4s 933.98nm 6.4mb
LHS 29.65 79 eP 11 36.55 -2.7
MCWV 29.91 69 ePc 11 39.91 -1.7
0.9s 346.40nm 6.2mb
Z 19s 167.03um 6.7Msz
ic 11 45.87
SGS 30.13 82 eP 11 40.79 -2.8
HBF 30.30 82 eP 11 43.21 -1.9
CEH 30.82 76 ePc 11 47.96 -1.7
1.3s 359.20nm 6.1mb
Z 19s 91.36um 6.5Msz
ic 11 53.84
EEO 31.02 55 eP 11 50.00 -1.3
CVL 31.08 72 eP 11 49.92 -2.0
BALM 31.48 336 eP 11 54.16 -1.2
CBN 31.92 71 iPd 11 58.30 -1.0
KLU 33.03 335 eP 12 08.14 -0.7
TOA 33.53 335 ePc 12 14.30 1.1
KDC 33.55 326 eP 12 13.01 -0.3
2.0s 287.61nm 5.9mb
LVNJ 33.76 66 eP 12 14.32 -1.0
SLKM 34.04 331 eP 12 15.63 -1.9
TBR 34.16 66 eP 12 17.06 -1.7
TXNY 34.18 66 iP 12 18.00 -1.0
GMTN 34.20 66 iP 12 18.00 -1.1
PNJ 34.22 66 iP 12 18.60 -0.7
PMR 34.27 333 eP 12 18.31 -1.1

28d 15h

1.4s 590.61nm 6.3mb
Z 19s 51.60um 6.3Msz
REF 35.05 330 eP 12 25.60 -0.8
CRP 35.25 331 eP 12 27.23 -0.9
CPKM 35.28 331 eP 12 26.39 -2.0
FBA 35.98 338 eP 12 33.02 -1.0
HRV 36.10 63 eP 12 35.09 -0.2
1.3s 190.88nm 5.8mb
Z 21s 19.38um 5.9Msz
i 12 41.13
SVW 36.60 329 eP 12 37.38 -2.0
SDN 36.71 319 eP 12 39.16 -1.0
1.1s 403.65nm 6.1mb
Z 19s 33.46um 6.1Msz
MKA 37.04 256 P 12 48.00 4.4
MLH 37.16 257 P 12 56.20 11.5
PLL 37.19 257 P 12 46.50 1.3
KKH 37.58 258 eP 12 44.13 -3.8
TTA 37.68 332 eP 12 47.22 -1.2
1.4s 372.40nm 5.9mb
KIP 38.34 262 eP 12 55.92 1.6
HON 38.38 261 P 13 00.00 5.4
Z 21s 32.74um 6.1Msz
IMA 38.61 337 eP 12 55.35 -0.9
1.4s 545.54nm 6.0mb
DVD 40.69 121 eP 13 11.38 -2.5
LMN 40.83 57 ePc 13 15.50 0.7
ECO 42.05 117 eP 13 23.16 -2.0
ANM 42.13 331 eP 13 24.18 -1.0
MBC 42.15 359 ePd 13 25.00 -0.1
1.0s 560.00nm 6.2mb
UPA 42.43 117 eP 13 26.80 -1.3
1.0s 50.00nm 5.2mb X
Z 20s 42.55um 6.3Msz
BRW 42.72 342 eP 13 29.24 -0.7
ADK 45.81 312 eP 13 53.29 -1.7
1.1s 414.06nm 6.3mb
MGP 47.03 97 eP 14 05.00 0.0
LRS 47.09 97 eP 14 04.00 -1.6
PORP 47.38 97 eP 14 06.00 -1.8
CLLP 47.41 97 eP 14 07.00 -1.1
SJG 47.75 96 e(P) 14 12.00 1.2
LPR 47.88 96 eP 14 10.50 -1.4
CPD 47.98 96 eP 14 11.50 -1.1
ILT 48.26 333 iPc+ 14 13.00 -1.1
1.7s 840.00nm 6.6mb
e 16 07.00
eS 21 12.60
e 24 08.00
BMG 48.50 114 iPc 14 16.00 -0.8
SDV 49.25 110 iPd 14 21.70 -0.9
BOG 49.36 117 eP 14 28.00 4.4
PSO 49.39 123 eP 14 24.50 0.6
SKI 50.95 95 eP 14 36.07 0.7
NEV 51.19 95 eP 14 37.94 0.8
SMY 51.37 313 P 14 50.00 11.9
Z 20s 22.40um 6.2Msz
MBET 51.72 95 eP 14 42.44 1.2
BPA 51.82 95 eP 14 41.35 -0.7
PAG 52.48 96 eP 14 44.00 -3.1
FDF 53.59 97 eP 15 00.00 4.8
S 22 44.00
TRN 55.59 101 eP 15 07.50 -2.3
TPT 57.02 216 iP 15 21.70 1.7
1.4s 175.00nm 5.9mb
RUV 57.08 216 iP 15 22.10 1.7
1.4s 370.00nm 6.2mb
PMO 57.18 216 iP 15 23.10 2.1
1.4s 170.00nm 5.9mb
VAH 57.25 216 iP 15 23.40 1.9
1.4s 295.00nm 6.1mb
NNA 59.61 133 eP 15 34.42 -3.7
1.1s 215.19nm 6.2mb
i 15 41.79
i 15 46.00
PPN 60.09 216 iP 15 45.80 4.5
1.4s 295.00nm 6.2mb
PPT 60.19 216 iP 15 46.80 4.8
1.4s 385.00nm 6.3mb
TVO 60.22 216 iP 15 47.20 5.0
1.4s 370.00nm 6.3mb
AFR 60.27 217 iP 15 47.40 4.9
1.4s 280.00nm 6.2mb
PAE 60.27 216 iP 15 47.30 4.8
1.4s 455.00nm 6.4mb
PET 60.42 316 eP 15 41.00 -2.2
1.0s 90.00nm 5.9mb

Z 22s 13.80um 6.1Msz
N 20s 12.00um
E 16s 31.20um
eS 24 00.00
eSS 28 00.00
REY 61.86 30 eP 15 56.10 3.3
MGD 62.16 326 ePc+ 15 54.00 -0.9
Z 17s 16.00um 6.3MszX
N 17s 11.00um
E 17s 12.00um
e 18 11.00
e 19 48.00
e 24 20.00
AKU 62.79 27 iP 15 57.90 -1.1
2.6s 1450.00nm 6.7mb
KBS 63.35 10 eP 16 01.70 -0.9
TIK 65.01 341 iPc 16 10.50 -3.0
eS 24 56.00
ARE 66.33 132 eP 16 23.00 0.0
ZOBO 68.32 129 eP 16 33.27 -2.7
LPB 68.52 129 iPc 16 35.70 -1.3
1.2s 265.63nm 6.3mb
RAR 68.60 223 eP 16 35.52 -1.3
CNCB 68.80 129 P 16 37.10 -1.8
KUR 70.02 312 eP 16 47.00 1.7
1.0s 370.00nm 6.5mb
Z 18s 10.30um 6.1Msz
N 18s 5.90um
E 18s 23.60um
YAK 70.26 333 iPc 16 44.00 -2.5
2.0s 810.00nm 6.5mb
i 17 12.00
i 19 26.00
eS 26 02.00
ePS 26 21.00
i 26 40.00
CCH 70.41 128 eP 16 46.00 -2.4
TRO 71.56 15 eP 16 53.00 -1.3
YSS 72.23 315 eP 16 56.46 -2.2
1.0s 30.00nm 5.4mb
Z 17s 15.00um 6.3MszX
N 17s 8.00um
E 17s 11.00um
ec 16 59.77
e 17 00.00
e 17 19.00
e 19 46.00
ePPP 21 17.00
iPS 26 20.00
ANT 72.54 136 eP 16 57.50 -3.2
SIV 72.82 124 P 17 00.60 -1.9
VAL 72.96 38 iP 17 05.00 2.2
S 26 32.00
KEV 73.04 12 iP 17 01.00 -2.0
1.0s 104.00nm 5.9mb
KUSJ 73.05 311 eP 17 00.20 -3.3
EAB 73.34 33 eP 17 03.40 -1.6
0.9s 159.00nm 6.1mb
FRO 73.44 25 eP 17 05.01 -0.4
ELO 73.45 32 eP 17 04.30 -1.3
1.0s 331.00nm 6.4mb
DMU 73.50 35 iPc 17 04.40 -1.6
0.9s 346.00nm 6.4mb
FOO 73.61 25 eP 17 09.75 3.3
DCN 73.65 36 iPc 17 05.30 -1.5
1.3s 779.00nm 6.6mb
EBH 73.67 32 ePc 17 05.70 -1.2
1.0s 235.00nm 6.2mb
EDU 73.71 32 ePc 17 05.60 -1.5
0.8s 83.00nm 5.8mb
ASAJ 73.80 312 eP 17 05.30 -2.6
EAU 73.94 33 eP 17 06.60 -1.9
1.4s 107.00nm 5.7mb
EDI 74.01 32 ePc 17 07.70 -1.2
0.9s 245.00nm 6.2mb
DLF 74.04 36 iPc 17 07.60 -1.5
0.9s 643.00nm 6.7mb
EBL 74.17 33 ePc 17 08.60 -1.2
1.0s 253.00nm 6.2mb
ESY 74.27 32 ePc 17 09.10 -1.3
1.0s 124.00nm 5.9mb
HOOJ 74.31 311 eP 17 18.50 7.6
ESK 74.38 33 ePc 17 09.47 -1.5
1.0s 200.00nm 6.1mb
EKA 74.39 33 Pc 17 09.50 -1.6
1.0s 26.30nm 5.2mb X
ASK 74.43 26 eP 17 15.60 4.4

ECB 74.47 37 eP 17 09.60 -2.0
ECB 74.47 37 eP 17 15.30 3.7
1.3s 734.00nm 6.6mb
ETA 74.55 36 eP 17 10.30 -1.8
ETA 74.55 36 iPd 17 16.10 4.0
ERM 74.59 310 eP 17 10.80 -1.7
ec 17 13.86
ECP 74.78 37 eP 17 11.60 -1.8
ECP 74.78 37 eP 17 17.10 3.7
1.2s 646.00nm 6.5mb
NRI 75.09 351 iPc 17 12.80 -2.1
1.8s 513.00nm 6.3mb
e 21 44.00
SAP 75.17 312 P 17 16.00 0.2
MRRJ 75.67 312 eP 17 20.70 2.0
APA 76.08 11 iPd 17 24.20 3.6
N82 76.10 23 P 17 19.10 -1.8
1.0s 22.10nm 5.2mb X
KONO 76.58 25 eP 17 22.77 -0.7
OFUJ 77.14 309 eP 17 30.20 3.2
YAMJ 78.70 308 eP 17 33.80 -1.8
UPP 79.04 22 iP 17 35.30 -1.7
1.2s 500.00nm 6.4mb
i 17 37.70
STS 79.14 45 iPd 17 41.16 3.2
IHA 79.21 143 e(P) 17 31.50 -6.7
EZAM 79.50 46 eP 17 43.22 3.3
KAF 79.51 17 iP 17 38.00 -1.5
1.2s 219.60nm 6.0mb
EMON 79.52 44 iPd 17 43.31 3.3
ZON 79.58 140 eP 17 41.00 0.6
KAKJ 79.73 307 eP 17 45.80 4.6
PEL 79.79 142 ePd 17 40.50 -1.0
1.1s 126.58nm 5.8mb
FLN 79.85 37 eP 17 40.60 -1.0
1.5s 436.65nm 6.2mb
NIIJ 79.91 308 eP 17 40.50 -1.6
GRR 79.91 37 eP 17 41.10 -0.8
1.3s 281.60nm 6.1mb
LPF 80.05 38 eP 17 41.70 -1.0
1.4s 392.10nm 6.2mb
LDF 80.15 37 eP 17 42.20 -1.0
1.3s 301.80nm 6.1mb
DBN 80.24 32 eP 17 48.00 4.4
Z 20s 41.90um 6.8Msz
ePPP 23 15.00
eS 27 54.00
eSS 33 00.00
eSSS 36 24.00
ERUA 80.27 45 iPd 17 47.85 3.8
WIT 80.39 31 eP 17 45.00 0.7
e 17 50.50
NUR 80.48 18 iP 17 43.50 -1.2
0.9s 151.70nm 6.0mb
CHJJ 80.60 307 eP 17 46.40 0.5
UCC 80.79 33 P 17 49.00 2.5
S 28 06.00
MAJO 80.83 308 ePc 17 44.55 -2.6
MAT 80.83 308 eP 17 45.00 -2.1
1.2s 15.63nm 4.9mb X
eS 27 53.00
SNF 80.95 34 P 17 46.80 -0.6
WTS 81.03 31 iPc 17 47.90 0.1
0.9s 19.00nm 5.1mb X
id 17 52.90
MTMJ 81.07 308 eP 17 50.70 2.2
MDJ 81.09 319 eP 17 46.29 -2.0
LIS 81.28 49 eP 17 50.00 0.7
DOU 81.39 34 Pc- 17 49.20 -0.5
ed 17 54.80
S 28 02.00
MFF 81.45 39 eP 17 49.20 -0.9
1.3s 262.80nm 6.1mb
ENN 81.52 33 iPc 17 50.10 -0.2
0.7s 32.00nm 5.5mb
id 17 55.60
BNS 81.93 32 iPd 17 52.10 -0.4
2.2s 797.00nm 6.4mb
Z 16s 120.00um 7.4MszX
BAO 82.04 115 Pc 17 53.50 -0.3
e 17 57.00
e 18 20.90
e 19 06.20
BDF 82.13 115 eP 17 54.83 0.6
ic 17 59.96
EPLA 82.33 46 iPd 17 58.85 3.9
WLF 82.41 33 iPc 17 55.10 0.1

			id	18 00.27		
PUL	82.52	16	ePc	17 59.00	3.6	
	2.0s	1080.00nm				6.7mb
Z	21s	30.00um				6.6Msz
N	21s	20.00um				
E	20s	14.00um				
			eS	28 15.00		
			(SS)	29 07.00		
			e	33 36.00		
			(SSS)	37 00.00		
LSF	82.55	38	eP	17 54.70	-1.2	
	1.3s	168.95nm				6.0mb
ECRI	82.79	43	eP	18 01.97	4.7	
TCF	82.87	38	eP	17 56.30	-1.3	
	1.6s	412.95nm				6.4mb
TSRJ	82.88	308	eP	17 59.90	2.2	
HIA	82.90	327	eP	17 55.69	-2.0	
SSF	82.98	36	eP	17 57.30	-0.8	
	1.4s	501.85nm				6.5mb
BGF	83.00	37	eP	17 57.20	-1.0	
	1.0s	211.20nm				6.3mb
LOR	83.01	36	eP	17 57.40	-0.9	
	1.8s	1146.30nm				6.8mb
LFF	83.02	39	eP	17 57.70	-0.6	
	1.8s	987.45nm				6.7mb
TNS	83.03	32	iP-	18 03.50	5.2	
MAF	83.09	38	eP	17 57.80	-0.9	
	1.6s	786.05nm				6.7mb
AVF	83.09	37	eP	17 57.60	-1.0	
	1.5s	614.25nm				6.6mb
GUD	83.11	45	iPd	18 02.27	3.2	
RJF	83.18	39	eP	17 58.20	-1.0	
	1.4s	487.95nm				6.5mb
LBF	83.27	36	eP	17 58.60	-1.0	
	1.6s	491.30nm				6.5mb
BRN	83.35	28	eP	18 02.70	2.9	
			eS	28 26.00		
VITF	83.36	34	P	17 59.64	-0.4	
LPO	83.43	39	eP	17 59.70	-0.7	
	2.0s	1236.15nm				6.8mb
SMF	83.44	37	eP	17 59.10	-1.4	
	1.5s	555.75nm				6.6mb
EVAL	83.47	49	iPd	18 04.83	4.1	
CIT	83.49	331	eP	18 00.50	-0.2	
AGO	83.49	37	P	18 00.01	-0.8	
TOL	83.66	46	eP	18 01.19	-0.5	
			iS	28 32.00		
PPD	83.68	122	eP	18 02.00	0.0	
			e	18 05.00		
			e	18 10.80		
HAU	83.68	34	eP	18 00.70	-1.0	
	1.5s	764.65nm				6.7mb
CAF	83.72	39	eP	18 01.00	-1.0	
	1.6s	694.05nm				6.6mb
BTH	83.73	41	P	18 03.00	1.0	
			i(PcP)	18 06.00		
			i	18 08.10		
			(pPP)	21 24.00		
			PPP	23 07.00		
PLDF	83.80	37	P	18 01.64	-0.7	
CDF	83.82	34	P	18 01.90	-0.6	
CN2	83.87	320	eP	18 00.80	-1.9	
	1.0s	490.00nm				6.7mb
Z	20s	26.00um				6.6Msz
N	17s	10.00um				
E	17s	9.71um				
			epP	18 06.50		18kmX
ECH	83.91	34	P	18 02.19	-0.6	
STR	83.92	33	P	18 03.00	0.2	
WKYJ	83.93	307	P	18 02.00	-1.2	
BSF	84.02	34	eP	18 02.30	-1.2	
	1.0s	264.80nm				6.4mb
MOX	84.06	30	iPc	18 03.10	-0.4	
	2.0s	1022.00nm				6.7mb
Z	19s	36.00um				6.8Msz
N	21s	67.00um				
E	20s	39.00um				
			S	28 38.00		
EPF	84.09	41	eP	18 03.00	-0.9	
	1.9s	551.60nm				6.5mb
LBL	84.12	38	P	18 03.75	-0.3	
CLL	84.12	29	iP	18 03.10	-0.7	
	1.0s	33.00nm				5.5mb X
CLL	84.12	29	iPd	18 08.30	4.5	
	1.8s	490.00nm				6.4mb
Z	17s	36.00um				6.8MszX
			e(S)	28 32.00		

COLF	84.15	38	P	18 03.12	-1.0	
MOF	84.16	34	P	18 03.53	-0.7	
LIBD	84.16	34	P	18 03.44	-0.6	
EHOR	84.24	48	iPd	18 08.85	4.2	
EGRA	84.29	42	eP	18 11.20	6.4	
HOF	84.43	30	eP	18 04.90	-0.5	
			i	18 09.80		
FEL	84.55	34	P	18 05.46	-0.7	
GRF	84.62	31	iPc	18 06.60	0.2	
Z	18s	76.00um				7.1Msz
			e	18 11.40		
			e	18 14.60		
			eS	28 40.70		
YONJ	84.72	309	eP	18 05.10	-2.0	
EPRU	84.80	48	eP	18 12.01	4.5	
BRG	84.84	29	iPc	18 06.70	-0.7	
	2.0s	800.00nm				6.6mb
			i	18 11.80		
			iS	28 48.00		
SLE	84.85	34	ePc	18 06.80	-0.8	
EBAN	84.92	47	iPd	18 12.21	4.1	
EJIF	84.97	49	iPd	18 13.19	4.8	
ELUQ	85.01	47	iPd	18 12.75	4.1	
ZLA	85.01	34	ePc	18 08.00	-0.4	
TKSJ	85.09	308	eP	18 11.70	2.8	
EMS	85.35	36	ePc	18 10.60	0.3	
EVIA	85.38	46	iPd	18 14.93	4.4	
ITR	85.41	104	eP	18 10.40	-0.4	
			e	18 13.50		
			e	18 15.50		
MAL	85.46	48	iPc	18 10.80	0.1	
RSL	85.48	36	P	18 10.20	-0.7	
DIX	85.58	35	ePc	18 11.80	0.2	
NKM	85.64	50	iP	18 20.00	8.3	
ECHE	85.65	44	iPd	18 16.37	4.6	
LPL	85.66	36	eP	18 11.70	-0.2	
	1.3s	301.80nm				6.3mb
EBR	85.66	43	eP	18 12.00	0.3	
LPG	85.68	36	eP	18 11.80	-0.3	
	1.8s	654.60nm				6.5mb
AVE	85.70	52	iP	18 14.50	2.5	
			i	18 50.00		
LLS	85.74	34	ePc	18 12.60	0.3	
PRU	85.77	29	Pd	18 12.10	0.0	
	2.0s	441.40nm				6.3mb
Z	19s	36.10um				6.8Msz
N	19s	75.60um				
E	19s	37.20um				
			i	18 16.50		
			i	19 20.50		
			iPP	21 26.90		
			eS	28 44.00		
			ScS	28 52.90		
			eSS	34 35.70		
KSP	85.78	28	iPc	18 11.30	-0.8	
			i	18 16.90		
			ePP	21 34.00		
FUR	85.80	32	eP	18 12.50	0.2	
Z	19s	49.00um				6.9Msz
			eS	28 52.50		
EHUE	85.86	46	eP	18 17.20	4.3	
MMK	85.86	35	ePc	18 13.70	0.8	
LSD	85.90	36	P	18 13.42	0.2	
EGUA	85.91	48	iPd	18 17.27	4.2	
ETER	85.94	40	eP	18 17.35	4.2	
BNI	85.96	36	P	18 13.30	0.0	
KHC	86.04	30	P	18 11.50	-2.0	
	1.8s	141.00nm				5.8mb
			e	18 17.00		
			e	19 15.00		
RRL	86.11	36	P	18 13.94	-0.3	
RSP	86.18	36	P	18 14.04	-0.3	
ORO	86.18	35	P	18 14.90	0.5	
SNY	86.23	319	Pd	18 14.00	-0.5	
	1.8s	290.00nm				6.1mb
Z	27s	13.50um				6.2MszX
N	17s	4.24um				
E	14s	6.91um				
			S	28 55.00		
VDL	86.25	34	eP	18 14.50	-0.3	
TMA	86.25	34	ePc	18 14.90	0.1	
GEC2	86.32	30	e(P)	18 11.20	-3.7	
	0.7s	3.60nm				4.7mb X
GEC2	86.32	30	e(P)	18 21.50	6.6	
	0.7s	10.20nm				5.1mb X
MOTA	86.34	33	iPc	18 14.30	-0.9	
	1.8s	330.00nm				6.2mb

			i	18 19.80		
WAR	86.37	24	P	18 20.00	5.0	
			eS	28 40.00		
VAI	86.38	35	P	18 13.90	-1.2	
OSS	86.41	33	ePc	18 15.20	-0.3	
SQTA	86.49	33	iPc	18 15.90	0.1	
	1.8s	259.00nm				6.1mb
			i	18 20.60		
CDR	86.50	38	e(P)c	18 14.10	-1.7	
			e	18 18.50		
PZZ	86.57	36	P	18 15.89	-0.4	
DOI	86.64	36	P	18 15.60	-1.0	
WTTA	86.64	32	iPc	18 15.70	-1.0	
	2.5s	543.00nm				6.3mb
			i	18 21.00		
			i	18 41.90		
IRK	86.68	336	ePc	18 15.30	-1.3	
	2.0s	320.00nm				6.2mb
Z	18s	20.82um				6.6Msz
			e	21 42.80		
			eS	28 51.20		
			e	30 15.00		
ACU	86.69	45	eP	18 22.53	5.6	
STV	86.87	37	P	18 17.42	-0.3	
SHNJ	86.89	310	eP	18 21.90	4.0	
ENR	86.93	37	P	18 16.71	-1.3	
LRG	86.96	38	eP	18 16.90	-1.1	
	2.0s	548.10nm				6.4mb
TOUF	87.00	37	P	18 17.32	-1.2	
MNK	87.00	20	eP	18 15.00	-3.1	
	1.6s	574.00nm				6.6mb
Z	22s	48.70um				6.9Msz
N	20s	35.02um				
E	20s	39.60um				
			eS	28 41.00		
			ePS	29 56.00		
			eSS	34 36.00		
CALN	87.01	37	P	18 16.18	-2.3	
FRF	87.02	37	eP	18 16.90	-1.5	
	1.4s	185.60nm				6.1mb
MVIF	87.04	37	P	18 17.32	-1.3	
PDCR	87.04	107	eP	18 18.40	-0.4	
			e	18 23.40		
IFR	87.05	51	iP	18 23.00	4.1	
AUTN	87.10	37	P	18 18.37	-0.7	
KMR	87.11	30	eP	18 20.00	1.3	
LMR	87.12	38	eP	18 17.40	-1.4	
	1.9s	402.60nm				6.3mb
RAC	87.12	27	eP	18 21.00	2.3	
Z	20s	30.00um				6.7Msz
			e	29 13.00		
AURF	87.13	37	P	18 17.65	-1.4	
SAOF	87.17	37	P	18 18.59	-0.5	
SBF	87.20	37	eP	18 17.40	-1.9	
	1.3s	88.45nm				5.9mb
CKI	87.20	36	P	18 17.50	-1.7	
PCP	87.25	36	P	18 17.12	-2.4	
TIO	87.27	54	iP	18 24.40	4.4	
			i	18 48.50		
FIN	87.33	36	P	18 16.71	-3.2	
VAO	87.39	120	eP	18 22.30	1.9	
IMI	87.39	36	P	18 17.22	-3.0	
SAL	87.39	34	P	18 24.30	4.2	
BOB	87.51	35	P	18 20.80	0.0	
KBA	87.53	32	iPc	18 19.60	-1.4	
	1.2s	50.10nm				5.7mb
			i	18 25.00		
			i	18 36.60		
CTI	87.57	33	P	18 19.60	-1.5	
OJC	87.60	26	eP	18 20.00	-1.1	
	1.0s	95.00nm				6.0mb
Z	18s	48.80um				7.0Msz
			e	18 25.00		
			e	18 30.80		
			eS	28 54.00		
FVI	87.66	32	P	18 25.20	3.9	
ESEL	87.72	42	eP	18 28.14	6.3	
MOS	87.79	14	eP	18 23.00	1.2	
	2.0s	720.00nm				6.6mb
Z	18s	50.00um				7.0Msz
N	17s	29.00um				
E	17s	17.00um				
			e	28 50.00		
			e	29 00.00		
VKA	87.85	29	eP	18 26.00	3.7	
	3.0s	560.00nm				6.4mb
Z	18s	51.00um				7.0Msz

28d 15h

i 18 27.00
LR 59 15.00
VVI 87.97 33 P 18 27.10 4.2
OBN 88.17 15 eP 18 22.13 -1.5
1.6s 360.00nm 6.4mb
Z 18s 49.20um 7.0Msz
N 18s 36.10um
E 20s 7.70um
e 21 58.00
ePPP 23 56.00
e 28 50.00
iS 29 13.00
ZST 88.22 29 eP 18 23.50 -0.5
i 18 28.30
MOY 88.27 338 ePc 18 24.20 0.0
1.7s 245.00nm 6.2mb
MME 88.54 35 P 18 28.70 2.7
VOY 88.58 32 eP 18 29.00 3.0
BDI 88.59 35 P 18 28.70 2.7
ZAK 88.62 336 iPc 18 25.00 -0.9
2.0s 288.00nm 6.2mb
e 21 57.00
eS 29 15.00
PII 88.81 35 P 18 30.30 3.4
LJU 88.85 32 eP 18 29.50 2.4
PGF 88.94 37 eP 18 25.80 -2.0
1.3s 95.30nm 5.9mb
SRO 89.01 28 iP 18 32.60 4.8
CEY 89.05 32 eP 18 31.50 3.4
FIR 89.11 35 eP 18 32.00 3.6
eS 29 25.00
PGD 89.26 34 P 18 33.60 4.3
SFI 89.29 34 P 18 28.60 -0.6
SVE 89.32 1 ePc 18 28.00 -1.1
2.2s 600.00nm 6.4mb
e 22 04.00
e 24 00.00
e 29 22.00
RIY 89.34 32 eP 18 30.70 1.3
LVV 89.43 24 eP 18 34.00 4.2
ePPP 24 09.00
e 29 09.00
eSS 35 20.00
PSZ 89.53 27 eP 18 26.90 -3.5
BUD 89.55 28 eP 18 34.30 3.9
PTJ 89.58 31 eP 18 29.40 -1.3
VBY 89.59 31 eP 18 29.50 -1.1
i 18 34.30
ZAG 89.65 31 eP 18 33.20 2.3
ARU 89.67 3 ePc 18 29.00 -1.8
i 18 31.40
i 22 06.50
ePPP 24 07.00
eS 29 10.00
ePS 30 26.00
HNR 89.69 258 eP 18 36.00 4.5
UZH 89.83 26 eP 18 30.00 -1.7
Z 15s 50.00um 7.1MszX
N 15s 32.00um
E 15s 56.00um
e 18 35.10
eS 29 13.00
ABA 89.86 44 iPd 18 36.00 4.0
ARV 90.12 34 P 18 37.30 4.1
ASS 90.32 34 P 18 32.20 -1.9
CEI 90.69 26 eP 18 42.00 6.4
AQU 91.22 34 P 18 42.00 3.7
RDP 91.35 35 P 18 43.10 4.2
BJI 91.40 322 eP 18 38.00 -1.0
Z 28s 17.40um 6.3MszX
N 18s 11.40um
AZI 91.51 35 P 18 43.70 4.2
TIM 91.85 28 iPc 18 46.00 5.0
DZM 91.86 245 iPc 18 41.10 -0.3
DUI 92.25 34 P 18 47.30 4.2
RFI 92.31 35 P 18 48.16 5.0
1.8s 318.40nm 6.4mb
HHC 93.04 325 eP 18 46.00 -0.8
1.0s 18.00nm 5.5mb
Z 32s 16.40um 6.3MszX
N 19s 11.30um
E 19s 14.80um
PP 22 33.00
S 29 56.50
BRY 93.09 31 iPd 18 42.84 -4.2
PLE 93.10 30 iPd 18 45.43 -1.6
NKY 93.36 31 iPd 18 44.76 -3.4
HCY 93.44 31 iPd 18 43.68 -4.7
KIS 93.46 23 iPc+ 18 50.00 1.6
Z 18s 35.90um 6.9Msz
N 18s 13.20um
E 18s 29.40um
i 22 37.00
eS 29 56.00
ePS 31 20.00
SGO 93.51 34 P 18 44.50 -4.2
IVA 93.69 30 iPd 18 48.35 -1.3
BDV 93.71 31 iPd 18 45.33 -4.4
VRI 93.76 25 ePc 18 52.00 2.1
TTG 93.78 31 iPd 18 46.90 -3.1
MLR 93.81 25 ePc 18 50.00 -0.3
e 22 06.00
PVY 93.95 30 iPd 18 49.29 -1.6
BTO 93.95 326 eP 18 50.00 -1.0
MGR 93.96 35 P 18 53.10 2.2
ULC 94.16 31 iPd 18 47.54 -4.2
SDA 94.22 31 iPd 18 55.80 3.8
KKS 94.56 30 eP 18 57.00 3.5
LACI 94.62 31 eP 18 52.00 -1.8
TDS 94.70 34 P 18 58.30 4.0
KDS 94.77 71 eP 19 00.50 5.6
CFR 94.84 24 eP 18 54.00 -0.8
TIR 94.93 31 eP 18 51.90 -3.4
TIY 95.06 323 eP 19 01.00 4.9
Z 22s 10.10um 6.2Msz
N 20s 19.90um
E 21s 20.50um
SKO 95.07 30 eP 18 56.70 0.7
i 18 59.80
i 22 50.50
SSE 95.11 313 Pc 19 02.30 6.0
1.4s 35.00nm 5.6mb
Z 20s 8.30um 6.2Msz
E 17s 5.80um
OHR 95.52 31 iP 18 57.10 -1.0
i 19 02.10
NJ2 95.81 315 eP 19 04.20 4.7
TPE 95.85 32 eP 18 56.50 -3.1
VAY 96.08 30 eP 18 59.30 -1.3
i 19 04.50
SRN 96.19 32 eP 19 01.60 0.5
LSK 96.23 31 eP 19 00.40 -1.0
GRG 96.32 30 eP 19 05.46 3.7
KNT 96.35 29 eP 19 00.86 -1.0
SRS 96.67 29 eP 19 06.42 3.1
SOH 96.82 29 eP 19 07.38 3.4
SIM 96.92 20 eP 19 08.00 3.7
Z 20s 70.00um 7.1Msz
e 23 04.00
LIT 97.07 30 eP 19 08.22 3.1
ALN 97.82 28 eP 19 04.30 -4.1
ANN 97.85 18 eP 19 12.50 4.0
1.8s 240.00nm 6.6mb
Z 18s 26.00um 6.8Msz
N 18s 18.50um
E 18s 12.00um
e 23 11.00
ePS 32 02.00
WMQ 99.19 342 P 19 12.00 -2.7
Z 25s 22.10um 6.6MszX
N 16s 13.80um
PP 23 22.00
S 30 38.00
SS 37 40.00
GTA 99.29 332 eP 19 16.00 0.7
2.0s 27.00nm 5.5mb
Z 26s 37.30um 6.8MszX
E 16s 11.30um
PP 23 20.00
SOC 99.68 17 eP 19 21.00 4.1
Z 17s 30.00um 6.9MszX
N 20s 29.00um
E 21s 11.00um
e 23 24.00
eSS 37 52.00
XAN 99.70 323 eP 19 22.50 5.3
PYA 100.01 15 ePdiff19 23.00 4.8
2.0s 220.00nm 6.3mb
Z 20s 37.00um 6.9Msz
i 23 23.00
KIV 100.01 15 ePdiff19 16.51 -1.8
Z 20s 30.90um 6.8Msz
i 23 26.10
iPPP 25 34.10
i 29 54.90
iPS 32 18.90
LZH 100.43 328 ePdiff19 26.50 6.1
2.0s 42.00nm 5.7mb
Z 23s 29.70um 6.7MszX
E 18s 16.20um
PP 23 28.00
eSKS 30 01.00
S 30 49.50
sS 31 07.00
GRO 101.18 13 ePdiff19 27.50 4.2
2.0s 240.00nm 6.5mb
Z 20s 40.00um 6.9Msz
N 20s 40.00um
E 15s 23.00um
MTA 102.60 14 ePdiff19 33.00 3.3
e 23 47.00
FRU 102.62 351 ePdiff19 35.00 5.1
ERE 104.00 15 ePdiff19 35.00 -1.1
SHE 104.34 11 ePdiff19 41.00 3.6
0.6s 35.00nm 6.4mb
iPS 33 04.00
CSS 105.74 25 ePKP 24 05.00 8.1
KSH 105.76 350 Pdiff 19 47.00 3.0
Z 24s 34.40um 6.8MszX
N 16s 20.90um
E 16s 21.40um
PP 24 12.00
eS 31 43.00
BHL 107.50 24 PKP 24 20.00 19.6
CGP 108.01 294 ePKP 24 02.50 0.8
LSA 111.16 334 ePKP 24 10.00 2.1
E 18s 4.96um
SHI 115.71 10 ePKP 24 15.00 -1.2
STK 115.83 248 ePKP 24 13.50 -2.7
0.6s 2.10nm
ePP 25 27.20
QUE 115.86 356 ePdiff20 26.00 -3.3
WB2 116.18 263 ePKP 24 09.30 -7.9
0.7s 15.30nm
WRA 116.19 263 PKP 24 09.80 -7.4
0.6s 4.60nm
WRA 116.19 263 PKP 24 20.40 3.2
0.6s 5.50nm
CHG 117.23 321 ePKP 24 21.00 1.8
HYB 126.62 342 ePKP 24 35.50 -1.8
SNA 130.01 156 e(PKP)24 42.00 -0.1
1.2s 156.25nm
AAE 131.17 33 PKP 24 52.30 5.9
KOD 133.77 340 ePKP 24 51.00 -0.3
CSY 137.63 206 ePKP 25 01.40 4.7
0.3s 3.10nm
WIN 138.16 86 ePKP 24 55.20 -4.1
Z 20s 14.18um 6.7Msz
NAI 139.00 43 PKP 25 09.50 8.4
POF 143.15 95 iPKPc 25 03.00 -4.7
0.7s 85.62nm
BLE 143.33 102 iPKPd 25 11.50 3.6
1.5s 333.33nm
CER 143.73 101 iPKPc 25 09.00 0.4
SUR 144.73 99 iPKPc 25 11.50 0.9
1.5s 1333.33nm
BUL 146.39 74 iPKPd 25 12.90 -0.8
0.9s 10.08nm
ipP 25 18.40
MAW 146.56 180 iPKPd 25 12.00 -0.2
1.0s 192.00nm
Z 16s 8.00um 6.6MszX
BLF 148.23 91 ePKP 25 14.50 -1.9
PRY 148.53 86 ePKP 25 18.20 1.3
0.5s 2.70nm
SLR 148.74 84 ePKP 25 18.50 1.2
1.0s 20.00nm
Z 20s 20.57um 6.9Msz
464 obs. associated

? JUN 28, 1992 15h 18m 17.05± 1.25s
37.217 N ±21.0km 72.772 E ±17.5km
DEPTH = 33.0km (normal)
4.0mb (2 obs.)
TAJIKISTAN (715)

NDI 9.29 155 eP 20 32.70 1.0
eS 22 15.00
MAIO 10.69 269 iPc 20 50.00 -1.1
0.8s 8.78nm 5.0mb X
eS 32 47.00

HYB 20.37 164 eP 22 53.50 -0.2
HRI 30.37 274 eP 24 27.00 -1.3
DSI 31.22 271 eP 24 35.60 0.0
PRNI 31.98 269 eP 24 44.40 2.1
BRG 43.30 308 e(P) 26 20.80 3.6X
NB2 44.67 323 P 26 29.40 1.2
0.5s 0.90nm 3.9mb
WRA 81.18 123 P 30 27.20 -3.8X
0.6s 1.20nm 4.1mb
CTA 89.56 116 eP 31 10.90 -1.7
0.4s 81.36nm 6.4mb X
S.D. = 1.6 on 8 of 10 obs.

& JUN 28, 1992 15h 24m 29.31s
34.211 N 116.760 W
DEPTH = 6.0km (geophysicist)
4.9mb (9 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.5 (PAS). Multiple
event. Felt at Riverside.

PEC 0.46 226 iP 24 37.89 -0.7
TPNV 2.76 9 eP 25 15.43 0.3
BCH 2.91 290 eP 25 15.75 -1.3
PHAM 3.40 300 ePn 25 23.25 -0.7
TNP 3.88 355 ePn 25 29.96 -1.0
BONR 3.94 342 eP 25 31.95 0.0
KVN 4.95 348 ePn 25 44.33 -1.8
MSU 5.67 39 ePn 25 55.23 -1.1
HVU 8.18 21 (P) 26 31.42 -0.2
FBA 35.99 338 (P) 31 31.51 -1.1
1.4s 30.56nm 5.0mb
IMA 38.63 337 (P) 31 56.50 1.6
1.2s 14.42nm 4.5mb
SSF 82.94 37 eP 36 58.30 2.0
1.6s 16.80nm 5.0mb
LOR 82.97 36 eP 36 58.40 1.9
1.3s 13.00nm 5.0mb
MAF 83.05 38 eP 36 58.90 2.0
1.3s 8.30nm 4.8mb
AVF 83.05 37 eP 36 58.50 1.6
1.5s 17.25nm 5.0mb
LBF 83.23 36 eP 36 59.70 1.8
1.4s 11.75nm 4.9mb
CDF 83.78 34 eP 37 02.30 1.6
1.5s 11.50nm 4.9mb
BSF 83.98 34 eP 37 03.20 1.5
1.2s 9.20nm 4.9mb
ITR 85.36 104 (P) 37 09.00 0.0
19 obs. associated

% JUN 28, 1992 15h 29m 36.67± 1.52s
44.307 N ± 5.0km 6.041 E ±19.3km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.9 (LDG).

FRF 0.86 149 Pg 29 53.30 0.0
Sg 30 04.40
LRG 0.88 165 Pg 29 54.00 0.4
Sg 30 04.90
LMR 1.03 161 Pg 29 55.70 -0.4
Sg 30 09.30
SBF 1.10 113 Pg 29 57.40 0.1
Sg 30 11.80
LPG 1.29 23 Pg 30 00.70 -0.1
Sg 30 18.50
LPL 1.31 22 Pg 30 01.10 0.1
Sg 30 19.50
S.D. = 0.4 on 6 of 6 obs.

& JUN 28, 1992 16h 01m 15.17s
34.030 N 116.379 W
DEPTH = 1.5km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.1 (PAS), 4.1 (GS).

SSK 1.10 280 eP 01 35.67 -1.2
ABL 2.49 290 ePn 01 56.25 -1.4
BCH 3.27 292 ePn 02 06.31 -2.3
PHAM 3.76 300 (P) 02 13.56 -2.0
TNP 4.10 351 (Pn) 02 15.40 -5.1
BONR 4.22 339 (Pn) 02 20.23 -2.0
ARUT 4.44 32 eP 02 23.42 -2.0
KVN 5.20 345 eP 02 33.93 -2.2
MSU 5.62 36 ePn 02 40.27 -1.8
DUG 6.78 24 eP 02 57.14 -1.2

0.7s 3.23nm 4.5mb
EMUT 7.29 36 eP 03 05.65 0.0
DAU 7.57 31 eP 03 08.03 -1.5
HVU 8.24 19 eP 03 16.10 -2.8
13 obs. associated

• JUN 28, 1992 16h 08m 05.03± 0.52s
44.425 S ±10.7km 37.782 E ±10.3km
DEPTH = 10.0km (geophysicist)
4.7mb (11 obs.)
PRINCE EDWARD ISLANDS REGION (431)

UMT 14.65 328 iPd 11 36.00 1.8
BLF 17.86 325 eP 12 13.50 -1.7
CER 18.10 301 iPc 12 17.00 -1.1
1.0s 80.00nm 4.8mb
BLE 18.14 299 iPc 12 25.50 7.0X
1.0s 60.00nm 4.7mb
SLR 20.18 334 iPc 12 42.00 -0.6
1.5s 41.67nm 4.6mb
POF 20.64 311 iPc 12 48.50 1.3
1.0s 20.00nm 4.4mb
BUL 25.39 340 iPc 13 34.00 -0.2
1.1s 16.46nm 4.6mb
ipP 13 38.60 16kmX
i 14 22.80
MAW 26.75 159 e(P) 13 50.00 3.8X
1.0s 17.00nm 4.7mb
NAI 42.98 359 P 16 13.50 7.3X
BCAO 51.62 335 iPc 17 13.20 -0.6
0.2s 12.00nm 5.5mb
i 18 03.00
TIC 63.77 311 P 18 38.30 -1.1
PDCR 72.01 270 (P) 19 30.00 -1.1
KDS 72.61 308 eP 19 35.00 0.5
KDS 72.61 308 eP 19 38.50 4.0X
STK 77.22 122 eP 20 00.50 -0.4
0.9s 4.60nm 4.6mb
QUE 78.89 25 eP 20 12.20 2.2
1.3s 75.96nm 5.6mb
PEL 79.10 234 iPc 20 09.70 -1.5
WRA 80.82 109 P 20 15.10 -5.4X
0.7s 1.90nm 4.2mb
WB2 80.83 109 eP 20 15.50 -5.1X
0.8s 9.40nm 4.9mb
MAIO 82.73 18 eP 20 33.00 2.9X
DMN 83.72 41 PKP 20 35.80 0.2
PKI 83.83 41 PKP 20 35.80 -0.4
GKN 83.83 40 PKP 20 36.00 0.0
QIS 83.92 113 eP 20 35.50 -1.1
KKN 83.95 41 PKP 20 36.80 0.1
GUN 84.34 41 PKP 20 38.00 -0.8
SIV 85.13 253 eP 20 42.00 -0.7
CNCB 89.19 247 P 21 05.00 1.9
LPB 89.47 247 P 21 06.60 2.3
ZOBO 89.67 247 P 21 06.00 0.5
MLR 90.14 352 eP 21 06.00 -0.3
e 32 25.00
VRI 90.44 352 ePd 21 08.00 0.6
MBC 146.65 350 ePKP 27 47.50 2.2X
1.5s 23.00nm
FCC 147.63 314 ePKP 27 51.00 3.7X
YKA 155.87 328 ePKP 28 09.30 10.1X
0.8s 0.60nm
S.D. = 1.2 on 25 of 35 obs.

& JUN 28, 1992 16h 09m 53.88s
34.057 N 116.371 W
DEPTH = 3.9km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.1 (PAS).

PEC 0.68 256 iPc 10 06.47 -0.9
PLM 0.81 210 iPc 10 08.75 -1.4
SSK 1.11 278 iP 10 14.35 -1.0
PKEM 3.66 304 (P) 10 50.93 -1.6
ARUT 4.42 32 eP 10 57.01 -6.4
ARN 5.33 310 ePn 11 12.98 -3.3
6 obs. associated

& JUN 28, 1992 16h 17m 19.18s
34.207 N 116.757 W
DEPTH = 3.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.2 (PAS), 4.0 (GS).

PEC 0.46 227 iPc 17 27.87 -0.5

ABL 2.13 288 ePn 17 54.87 -1.4
eS 18 27.26
TPNV 2.77 8 ePn 18 04.83 -0.5
ePg 18 10.79
eS 18 47.09
BCH 2.91 291 ePn 18 06.20 -1.1
PKEM 3.31 305 ePg 18 18.82 5.9
PHAM 3.40 300 (Pn) 18 12.26 -1.9
ePg 18 19.36
TNP 3.88 355 ePn 18 20.91 -0.3
ePg 18 29.55
eS 19 25.89
BONR 3.94 342 (Pn) 18 23.36 1.2
ePg 18 32.57
(S) 19 28.50
ARN 4.99 310 (Pn) 18 33.30 -3.4
eS 19 58.71
MSU 5.67 39 ePn 18 45.08 -1.4
ePg 19 04.52
(S) 20 18.59
SRU 7.00 44 (Pn) 19 05.02 -0.2
ePg 19 29.54
EMUT 7.34 39 (Pn) 19 09.98 -0.1
ePg 19 37.86
DAU 7.59 34 ePn 19 13.75 0.2
ePg 19 40.94
13 obs. associated

• JUN 28, 1992 16h 19m 24.31± 0.49s
44.441 S ±11.0km 37.691 E ±10.8km
DEPTH = 10.0km (geophysicist)
4.8mb (13 obs.)
PRINCE EDWARD ISLANDS REGION (431)

BLF 17.83 325 eP 23 32.20 -2.0
SUR 17.85 307 eP 23 38.00 3.6X
1.0s 60.00nm 4.7mb
CER 18.05 302 iPd 23 36.50 -0.3
1.0s 100.00nm 4.9mb
PRY 19.32 331 eP 23 53.20 0.7
0.8s 6.25nm 3.9mb
SLR 20.16 335 eP 23 57.50 -4.2X
POF 20.60 311 iPc 24 07.50 1.5
1.0s 25.00nm 4.5mb
BUL 25.38 340 iPc 24 53.50 0.1
1.0s 9.00nm 4.4mb
ipP 24 57.00 12kmX
MAW 26.76 159 eP 25 08.00 2.5
0.9s 21.00nm 4.8mb
NAI 42.99 359 P 27 30.50 4.9X
BCAO 51.60 335 iPc 28 32.80 -0.2
1.0s 55.00nm 5.4mb
i 28 38.00
AAE 53.23 1 P 28 52.00 6.6X
KIC 63.34 311 PKP 29 57.58 1.7
LIC 63.38 311 PKP 29 57.24 1.1
1.1s 20.50nm 5.2mb
TIC 63.73 311 PKP 29 56.52 -1.9
0.9s 12.00nm 5.1mb
HYB 71.96 41 eP 30 55.00 5.1X
KDS 72.57 308 eP 30 55.50 2.0
ITR 74.01 273 (P) 31 01.00 -1.1
BAO 76.18 262 Pc 31 14.70 0.0
STK 77.27 122 iPd 31 19.20 -1.2
0.9s 5.00nm 4.6mb
i 32 31.30
QUE 78.93 26 eP 31 31.20 1.6
1.2s 60.16nm 5.5mb
PEL 79.03 234 eP 31 28.50 -1.6
WRA 80.88 109 P 31 34.20 -5.9X
0.6s 2.70nm 4.4mb
WB2 80.88 109 iPc 31 33.60 -6.6X
0.7s 12.10nm 5.0mb
MAIO 82.76 18 eP 31 50.00 0.5
DMN 83.77 41 PKP 31 55.00 -0.1
PKI 83.88 41 PKP 31 55.40 -0.4
GKN 83.88 41 PKP 31 54.20 -1.4
QIS 83.97 113 iPd 31 55.50 -0.6
i 33 07.20
KKN 84.01 41 PKP 31 55.40 -0.9
GUN 84.39 42 PKP 31 57.40 -1.0
SIV 85.06 253 eP 32 00.00 -1.6
VAY 86.45 349 eP 32 08.50 0.7
OHR 86.51 347 eP 32 08.50 0.3
CNCB 89.13 247 P 32 22.20 0.1
LPB 89.41 247 P 32 30.00 6.8X
SRO 93.44 347 eP 32 45.20 4.8X

28d 16h

ZST 94.01 346 eP 32 48.70 5.6X
EKA 105.25 337 PKP 37 59.00 11.3X
1.2s 6.10nm
MBC 146.65 350 ePKP 39 06.00 1.4
1.4s 21.00nm
FCC 147.59 314 ePKP 39 10.00 3.5X
ULM 148.42 297 ePKP 39 13.50 5.3X
YKA 155.85 328 ePKP 39 23.00 4.5X
0.8s 0.80nm
S.D. = 1.3 on 28 of 42 obs.

& JUN 28, 1992 16h 32m 10.16s
34.595 N 116.622 W
DEPTH = 0.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.4 (PAS).

ABL 2.16 278 ePn 32 45.35 -2.7
TPNV 2.37 7 eP 32 49.71 -1.4
BCH 2.91 283 ePn 32 56.82 -1.9
PKEM 3.20 298 eP 33 02.25 -0.5
PHAM 3.33 293 ePn 33 02.36 -2.3
TNP 3.51 352 iP 33 05.89 -1.5
BONR 3.62 338 ePn 33 07.91 -1.0
ARUT 4.10 38 iPnc 33 13.99 -1.6
KVN 4.60 346 ePn 33 21.47 -1.3
ARN 4.84 306 ePn 33 23.00 -3.1
MSU 5.30 41 ePn 33 30.94 -1.9
ORV 6.30 323 ePn 33 44.78 -1.9
DUG 6.36 27 eP 33 47.11 -0.5
SRU 6.65 46 ePn 33 51.68 -0.1
EMUT 6.97 40 ePn 33 56.24 -0.1
DAU 7.20 35 ePn 33 59.65 0.0
HVU 7.79 22 ePn 34 07.15 -0.5
ULM 21.78 38 eP 37 06.00 0.6
YKA 27.95 2 eP 38 16.60 12.6
0.8s 0.40nm
19 obs. associated

& JUN 28, 1992 17h 01m 31.91s
34.178 N 116.922 W
DEPTH = 13.9km
5.0mb (37 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.7 (PAS). Felt at Riverside.

PEC 0.35 215 iP 01 38.55 -0.7
SSK 0.64 273 eP 01 43.53 -1.0
ABL 2.01 290 ePn 02 05.44 -0.6
iPg 02 08.66
BCH 2.79 292 ePn 02 16.06 -1.0
TPNV 2.82 11 ePn 02 17.82 0.3
ePg 02 25.24
PKEM 3.22 307 ePn 02 22.59 -0.4
PHAM 3.30 301 ePn 02 22.72 -1.4
TNP 3.90 357 ePd 02 32.91 0.0
BONR 3.93 344 eP 02 33.58 0.2
ARUT 4.58 37 iPnc 02 42.33 -0.1
ARN 4.91 311 ePn 02 45.09 -1.9
KVN 4.95 349 ePn 02 47.64 -0.2
MSU 5.78 40 ePn 02 59.36 -0.1
NWRM 6.44 313 eP 03 07.62 -0.9
ORV 6.50 327 eP 03 08.66 -0.8
eS 04 51.62
DUG 6.84 27 ePn 03 15.66 1.3
ePg 03 42.58
eS 05 06.86
SRU 7.12 44 ePn 03 19.47 1.2
ePg 03 37.06
S 05 15.49
LTCM 7.31 327 P 03 20.98 0.2
EMUT 7.45 39 eP 03 24.10 1.1
DAU 7.69 34 eP 03 27.85 1.5
LBFM 8.16 333 eP 03 35.74 2.8
HVU 8.26 22 ePn 03 35.04 0.7
ePg 04 07.00
S 05 54.56
ALQ 8.67 82 ePn 03 39.13 -0.8
ePg 04 13.16
eS 06 00.52
FHC 8.67 322 ePn 03 40.13 0.3
GOL 10.76 56 ePn 04 09.26 0.5
0.7s 17.70nm 5.5mb X
eS 07 11.58
VGB 11.70 347 eP 04 26.37 5.0
SHW 12.66 343 ePn 04 38.17 3.8
DPW 13.71 356 (Pn) 04 50.26 2.0
RMW 13.77 346 eP 04 54.14 5.2
GMW 14.07 343 (P) 04 57.50 4.7
RSSD 14.07 41 eP 04 51.54 -1.6
1.0s 20.44nm 4.8mb
PNT 15.26 353 P 05 13.00 4.6
OCO 16.03 80 iPd 05 22.90 4.5
SES 16.77 13 eP 05 29.00 1.2
SIO 16.97 79 eP 05 32.50 2.1
TUL 17.39 78 eP 05 37.10 1.5
0.9s 138.10nm 5.1mb
e 05 39.20
e 05 40.20
VVO 17.45 80 eP 05 37.20 0.9
OLY 20.92 79 eP 06 16.24 -0.2
CCM 21.08 72 eP 06 18.35 0.3
1.4s 91.08nm 5.0mb
FVM 21.72 72 ePc 06 24.79 0.3
1.0s 54.93nm 4.9mb
ULM 22.26 37 eP 06 32.00 2.2
GBTN 26.80 77 eP 07 13.43 0.1
YKA 28.37 2 eP 07 26.20 -1.1
0.8s 5.10nm 4.3mb
FCC 28.90 25 eP 07 34.00 1.9
NAV 29.38 73 eP 07 36.37 -0.3
LHS 29.73 79 eP 07 38.66 -1.1
BALM 31.47 336 eP 07 55.29 0.2
LVNJ 33.85 66 eP 08 15.74 -0.1
PMR 34.25 333 eP 08 19.47 0.4
1.1s 19.19nm 4.9mb
FBA 35.97 338 eP 08 34.01 0.2
1.0s 18.66nm 4.9mb
SVW 36.58 329 eP 08 44.50 5.6
IMA 38.60 337 ePc 08 56.03 0.0
1.1s 11.44nm 4.5mb
LMN 40.91 57 eP 09 17.50 2.3
MBC 42.17 359 eP 09 26.00 0.9
1.0s 19.00nm 4.8mb
SDV 49.31 110 iPd 10 22.50 -0.4
ZOBO 68.37 129 eP 12 34.00 -2.0
i 12 38.90
e 17 06.00
LPB 68.57 129 eP 12 42.00 5.0
CNCB 68.85 129 P 12 43.00 4.1
SIV 72.87 124 P 13 02.00 -0.5
KEV 73.09 12 eP 13 04.00 1.0
NB2 76.16 23 P 13 20.00 -0.8
0.9s 4.70nm 4.6mb
KAF 79.56 17 eP 13 39.30 -0.2
FLN 79.92 37 iPc 13 42.00 0.3
1.3s 18.05nm 4.9mb
LPF 80.12 38 iPc 13 43.00 0.3
1.1s 12.70nm 4.8mb
LDF 80.21 37 iPc 13 43.50 0.3
1.1s 9.50nm 4.7mb
WIT 80.45 31 eP 13 46.00 1.7
NUR 80.53 18 iP 13 44.50 -0.2
0.9s 10.00nm 4.8mb
MAT 80.78 308 eP 13 45.00 -1.5
WTS 81.09 31 eP 13 49.00 1.2
0.8s 5.00nm 4.6mb
DOU 81.45 34 P 13 51.00 1.3
0.8s 6.70nm 4.7mb
MFF 81.52 38 iPc 13 50.60 0.5
1.2s 15.75nm 4.9mb
ENN 81.58 33 eP 13 51.00 0.7
0.8s 6.00nm 4.7mb
e 13 55.50
WLF 82.47 33 P 13 56.00 1.0
SSF 83.05 36 iPc 13 58.50 0.4
1.1s 14.15nm 5.1mb
BGF 83.07 37 iPc 13 58.80 0.6
0.8s 8.60nm 5.0mb
LOR 83.08 36 iPc 13 58.70 0.4
1.2s 28.25nm 5.3mb
AVF 83.16 37 iPc 13 58.80 0.1
1.5s 30.30nm 5.3mb
MAF 83.16 37 iPc 13 59.20 0.5
1.4s 29.20nm 5.3mb
RJF 83.25 39 iPc 13 59.70 0.5
1.5s 24.55nm 5.2mb
LBF 83.33 36 iPc 13 59.90 0.3
1.0s 8.80nm 4.9mb
LPO 83.50 39 iPc 14 01.00 0.5
1.4s 19.60nm 5.1mb
SMF 83.50 37 iPc 14 00.60 0.1
1.1s 20.25nm 5.2mb
HAU 83.75 34 iPc 14 02.20 0.5
1.0s 23.40nm 5.4mb
CAF 83.79 39 iPc 14 02.30 0.3
1.1s 20.25nm 5.3mb
CDF 83.89 34 iPc 14 02.70 0.2
1.1s 14.40nm 5.1mb
BSF 84.08 34 iPc 14 03.70 0.2
1.0s 21.20nm 5.3mb
MOX 84.13 30 iP 14 04.00 0.5
1.4s 15.00nm 5.0mb
EPF 84.16 41 iPc 14 04.40 0.5
1.2s 6.85nm 4.8mb
CLL 84.18 29 iPc 14 04.10 0.3
1.2s 14.00nm 5.1mb
GRF 84.68 31 eP 14 07.80 1.5
1.3s 22.00nm 5.2mb
BRG 84.90 29 iP 14 07.80 0.4
1.0s 20.00nm 5.3mb
i 14 12.20
LPG 85.75 36 iPc 14 13.00 0.9
1.0s 7.20nm 4.8mb
PRU 85.83 29 eP 14 13.00 1.0
KSP 85.84 28 eP 14 12.80 0.7
WRA 116.11 263 PKP 20 15.90 -0.8
0.7s 0.60nm
BUL 146.48 74 iPKPc 21 14.00 0.6
1.0s 6.50nm
PRY 148.61 86 ePKP 21 19.00 2.3
SLR 148.82 84 ePKP 21 19.60 2.6
98 obs. associated

? JUN 28, 1992 17h 03m 09.46± 7.01s
43.133 N ±22.6km 9.476 W ±52.1km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.4 (MDD).

STS 0.72 110 iPgc 03 23.40 -0.3
eSg 03 35.30
EZAM 1.14 149 iPnd 03 30.60 -0.2
eSn 03 47.70
EMON 1.60 78 iPn 03 37.60 -0.2
eSn 03 59.60
ERUA 1.87 113 ePn 03 42.50 0.7
eSn 04 05.40
S.D. = 0.8 on 4 of 4 obs.

& JUN 28, 1992 17h 05m 57.54s
34.256 N 116.912 W
DEPTH = 8.5km
4.6mb (7 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.6 (PAS). Felt at Riverside.

PEC 0.42 210 iPc 06 05.24 -0.8
SSK 0.65 266 iPc 06 09.63 -0.9
PLM 0.90 177 iPd 06 11.76 -3.3
ABL 2.00 288 ePn 06 30.98 -1.1
TPNV 2.74 11 ePn 06 42.74 0.0
ePg 06 48.72
eS 07 24.79
BCH 2.77 290 ePn 06 42.23 -0.9
PKEM 3.18 305 (Pn) 06 44.95 -3.8
PHAM 3.27 300 ePn 06 48.54 -1.5
iPg 06 57.41
TNP 3.83 356 eP 07 06.15 8.0
BONR 3.86 343 (Pn) 06 57.64 -1.1
ARUT 4.51 38 ePn 07 06.08 -1.7
ePg 07 20.28
S 08 17.77
ARN 4.86 311 ePn 07 09.86 -2.8
KVN 4.88 349 (Pn) 07 13.92 0.8
MSU 5.71 41 (P) 07 25.03 0.1
ORV 6.44 327 (Pn) 07 34.11 -0.8
eS 09 15.68
DUG 6.77 28 (Pn) 07 44.72 5.0
ePg 08 04.31
eS 09 30.00
SRU 7.06 45 (Pn) 07 52.31 8.5
ePg 08 07.54
eS 09 37.22
HVU 8.19 22 ePg 08 29.82 30.3
ALQ 8.65 83 Pn 07 58.21 -7.8
BMW 13.11 340 (P) 09 11.19 4.5
OCO 16.00 80 iPd 09 48.80 4.3
SES 16.69 13 P 09 58.00 4.8

2.7s 4.00nm 3.1mb X
SIO 16.95 79 eP 09 57.60 1.1
TUL 17.37 79 eP 10 01.90 0.2
0.9s 116.70nm 5.0mb
e 10 04.80
Lg 15 03.90
VVO 17.43 80 eP 10 02.10 -0.4
OLY 20.90 79 eP 10 41.23 -1.4
CCM 21.05 72 eP 10 43.51 -0.6
1.2s 32.98nm 4.6mb
ULM 22.20 38 eP 10 56.00 0.4
FCC 28.83 25 eP 11 59.00 1.1
IMA 38.53 337 eP 13 25.50 3.6
MBC 42.09 359 eP 13 54.00 3.1
1.5s 19.00nm 4.6mb
SIV 72.91 124 (P) 17 27.00 -2.3
SSF 82.98 36 eP 18 23.90 -0.4
0.9s 2.80nm 4.5mb
BGF 83.00 37 eP 18 24.30 -0.1
MAF 83.09 38 eP 18 24.60 -0.3
1.0s 4.60nm 4.6mb
HAU 83.68 34 eP 18 27.40 -0.5
0.9s 6.40nm 4.8mb
CDF 83.82 34 eP 18 28.00 -0.7
1.0s 4.60nm 4.7mb
MOX 84.05 30 eP 18 29.50 -0.2
CLL 84.11 29 e(P) 18 29.00 -1.0
BRG 84.83 29 eP 18 33.50 -0.1
ITR 85.49 104 eP 18 36.90 -0.5
BUL 146.45 74 ePKP 25 40.60 0.7
42 obs. associated

& JUN 28, 1992 17h 16m 35.21s
35.747 N 116.526 W
DEPTH = 6.0km (geophysicist)
CENTRAL CALIFORNIA (39)
<PAS-P>. ML 3.9 (PAS).

TPNV 1.22 10 ePd 16 58.45 0.0
eS 17 15.81
SSK 1.81 212 eP 17 07.72 0.4
PEC 1.92 196 eP 17 09.72 0.9
ABL 2.38 249 (P) 17 18.89 3.3
TNP 2.40 347 eP 17 18.19 2.4
PLM 2.40 187 eP 17 15.58 -0.3
BONR 2.62 328 ePn 17 17.95 -1.2
ePg 17 24.31
PKEM 2.93 277 (Pn) 17 22.17 -1.0
ePg 17 27.94
BCH 2.96 260 (P) 17 21.11 -2.6
PHAM 3.15 273 (P) 17 26.70 0.4
ARUT 3.21 50 (P) 17 28.41 1.1
ePg 17 34.75
MSU 4.44 50 (P) 17 43.86 -1.0
ePg 17 57.47
DUG 5.32 32 (P) 17 59.47 2.2
2.4s 476.55nm 5.7mb X
SRU 5.84 53 (Pn) 18 07.15 2.6
ePg 18 23.40
EMUT 6.08 46 (P) 18 08.40 0.4
DAU 6.24 40 (P) 18 10.36 0.0
HVU 6.70 25 (P) 18 17.04 0.3
17 obs. associated

& JUN 28, 1992 17h 31m 21.51s
34.294 N 116.453 W
DEPTH = 6.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.1 (PAS), 3.8 (GS).

PEC 0.71 236 eP 31 34.33 -1.4
SSK 1.03 266 eP 31 40.48 -0.9
ABL 2.35 284 eP 31 59.13 -2.3
TPNV 2.65 4 eP 32 05.02 -0.6
BCH 3.12 288 eP 32 09.82 -2.3
PKEM 3.48 302 (P) 32 12.86 -4.3
PHAM 3.58 297 eP 32 15.56 -3.1
TNP 3.83 351 eP 32 21.56 -0.8
BONR 3.95 338 eP 32 24.13 0.0
ARUT 4.26 34 eP 32 26.91 -1.5
KVN 4.93 345 eP 32 36.74 -1.2
ARN 5.13 308 eP 32 37.68 -3.0
MSU 5.44 38 eP 32 47.10 1.8
HVU 8.02 20 (P) 33 19.76 -1.6
14 obs. associated

& JUN 28, 1992 17h 32m 30.23s
34.199 N 116.819 W
DEPTH = 2.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.9 (PAS).

PEC 0.42 223 iP 32 38.24 -0.3
SSK 0.72 271 P 32 43.88 -0.8
ABL 2.09 289 eP 33 05.84 -1.0
TPNV 2.78 9 (P) 33 12.69 -4.1
TNP 3.89 355 (P) 33 24.26 -8.3
BONR 3.94 343 (P) 33 29.92 -3.3
ARUT 4.51 36 (P) 33 35.05 -6.2
7 obs. associated

JUN 28, 1992 17h 39m 40.37± 0.42s
37.686 S ± 4.5km 176.920 E ± 4.4km
DEPTH = 28.1 ± 3.7 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL). Felt (V) at
Otamorakau.

WIZ 0.27 54 P 39 47.90 0.7
URZ 0.59 165 Pc 39 50.60 -1.6
S 39 59.00
TAZ 0.64 211 P 39 53.20 0.3
UTU 0.76 229 P 39 55.70 0.8
PATZ 0.87 217 P 39 56.10 -0.6
WLZ 1.06 260 P 39 59.20 -0.2
HBZ 1.10 86 eP 39 59.90 0.0
PUZ 1.13 110 P 39 59.90 -0.4
PAHZ 1.18 175 P 40 00.80 -0.2
WHH 1.24 195 P 40 01.90 -0.1
NOZ 1.28 137 eP 40 02.30 -0.1
KUZ 1.34 314 P 40 02.40 -0.9
TTH 1.85 182 P 40 11.70 1.0
MOZ 1.86 243 P 40 10.70 -0.1
WAHZ 2.06 192 P 40 14.50 0.7
WCZ 2.70 309 P 40 22.40 -0.5
WRA 40.89 283 P 47 22.40 0.7
0.6s 27.60nm 5.2mb
YKA 113.83 28 ePdiff54 44.70 19.6X
0.9s 1.20nm
CDF 166.89 328 iPKPc 59 37.20 -6.6X
0.8s 2.55nm
BSF 167.54 328 iPKPc 59 39.90 -4.4X
0.7s 1.55nm
HAU 167.59 329 iPKPc 59 39.60 -4.6X
0.7s 4.30nm
FLN 168.77 351 iPKPc 59 37.80 -7.1X
0.8s 5.10nm
LDF 168.89 350 iPKPc 59 38.40 -6.6X
0.7s 2.75nm
LOR 169.15 334 iPKPc 59 43.90 -1.3
LPL 169.27 320 iPKPc 59 50.80 5.2X
0.6s 1.25nm
LPG 169.28 320 iPKPc 59 51.00 5.3X
0.4s 0.95nm
SSF 169.45 335 iPKPc 59 45.30 -0.1
0.6s 3.25nm
SMF 169.68 332 iPKPc 59 46.80 1.3
0.6s 2.80nm
AVF 169.73 334 iPKPc 59 46.30 0.8
0.7s 1.30nm
MAF 170.49 336 iPKPc 59 49.40 3.4X
0.6s 2.55nm
S.D. = 0.8 on 21 of 30 obs.

• JUN 28, 1992 17h 40m 19.71± 1.14s
23.694 S ± 8.8km 179.857 W ±14.9km
DEPTH = 547.4 ± 12.8 km
4.8mb (7 obs.)
SOUTH OF FIJI ISLANDS (171)

VUN 5.87 344 eP 41 57.20 -0.6
DZM 12.73 275 iPc 43 07.80 1.5
MNG 17.33 192 eP 43 49.90 -1.5
eS 46 42.90
QRZ 18.24 199 P 44 02.30 2.0
THZ 19.01 197 eP 44 07.90 0.3
KHZ 19.46 195 eP 44 12.20 0.4
LTZ 20.13 197 eP 44 17.30 -0.7
RMO 28.53 258 iPd 45 33.90 0.8
0.3s 11.00nm 5.0mb
i 45 48.00
CTA 31.61 270 iPd 46 00.90 1.4
0.3s 1316.88nm 7.0mb X
QLP 32.57 257 iPd 46 07.70 0.2
0.3s 38.00nm 5.5mb
PMG 34.55 289 iPd 46 23.00 -1.2
STK 34.92 248 eP 46 27.60 0.5
0.5s 8.10nm 4.6mb
QIS 37.60 267 iPd 46 48.10 -1.1
WB2 42.54 266 iPc 47 23.00 -6.0X
0.4s 89.00nm 5.6mb
ScP 52 05.50
eS 53 02.70
MTN 47.57 274 eP 48 06.00 -1.9
WARB 48.29 255 iPd 48 12.20 -1.1
0.4s 12.00nm 4.8mb
MBL 55.44 260 iPd 49 03.70 -1.2
MRWA 57.08 250 iPc 49 15.20 -0.9
PCI 62.59 282 ePc 49 53.50 0.8
e 52 20.00
MAT 71.80 325 eP 50 48.00 -0.4
0.8s 7.46nm 4.3mb
MDJ 82.17 326 eP 51 44.40 0.2
CN2 83.80 324 eP 51 52.80 0.5
1.0s 10.00nm 4.4mb
TIA 84.18 314 eP 51 55.30 0.9
TIY 88.15 313 eP 52 14.60 1.2
ULM 104.16 41 ePdiff53 33.00 7.5X
ITR 130.39 126 ePKP 58 30.10 -0.1
NB2 141.90 351 PKP 58 45.30 -4.9X
0.7s 1.30nm
KSP 150.14 339 ePKP 59 10.10 6.3X
e 59 18.30
S.D. = 1.1 on 24 of 28 obs.

& JUN 28, 1992 18h 43m 57.68s
34.034 N 116.378 W
DEPTH = 2.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.3 (PAS). ML 3.4
(GS).

PEC 0.67 258 iPc 44 09.99 -1.0
PLM 0.79 211 iPd 44 12.72 -0.7
iS 44 23.40
SSK 1.11 280 ePn 44 17.62 -1.6
eS 44 33.81
ABL 2.49 290 ePn 44 38.20 -1.8
BCH 3.27 292 eP 44 49.19 -1.7
PHAM 3.76 300 eP 44 56.85 -1.1
TNP 4.10 351 ePn 45 00.89 -1.9
ARUT 4.44 32 ePn 45 06.40 -1.3
MSU 5.61 36 ePn 45 22.33 -2.0
9 obs. associated

& JUN 28, 1992 18h 55m 02.32s
34.227 N 116.868 W
DEPTH = 2.7km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.5 (PAS).

PEC 0.41 216 iPc 55 10.26 -0.3
PLM 0.87 180 iPd 55 18.58 -1.3
ABL 2.04 288 eP 55 38.07 -0.1
S 56 06.81
BONR 3.90 343 ePn 56 06.97 2.2
DUG 6.78 27 (P) 56 49.11 3.8
5 obs. associated

& JUN 28, 1992 19h 00m 26.20s
34.254 N 116.746 W
DEPTH = 0.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.7 (PAS), 3.8 (GS).

PEC 0.50 224 ePd 00 35.96 -0.2
PLM 0.90 186 eP 00 43.30 -0.9
ABL 2.13 287 ePn 01 02.02 -1.7
BCH 2.90 290 ePn 01 13.92 -0.8
PKEM 3.29 304 (P) 01 20.47 0.4
PHAM 3.39 299 ePn 01 21.30 -0.2
TNP 3.84 354 (P) 01 26.68 -1.4
ARUT 4.43 36 (P) 01 34.74 -1.7
ARN 4.97 310 (P) 01 41.64 -2.3
9 obs. associated

& JUN 28, 1992 19h 11m 17.24s
34.153 N 116.460 W
DEPTH = 4.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.3 (PAS).

PEC 0.64 246 iPd 11 29.10 -0.9
PLM 0.86 203 iPd 11 33.60 -0.9
SSK 1.02 274 eP 11 36.29 -0.9
S 11 49.50
ABL 2.38 288 ePn 11 55.75 -2.1
BCH 3.16 290 ePn 12 06.96 -1.8
PKEM 3.55 304 (P) 12 12.79 -1.3
PHAM 3.64 299 ePn 12 14.46 -1.1
TNP 3.97 351 ePn 12 18.22 -2.1
BONR 4.08 339 ePn 12 21.05 -0.9
ARUT 4.38 33 ePn 12 23.38 -2.7
ARN 5.21 309 ePn 12 36.23 -1.6
MSU 5.56 37 ePn 12 41.17 -1.8
12 obs. associated

& JUN 28, 1992 19h 13m 06.90s
34.092 N 116.393 W
DEPTH = 2.9km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.6 (PAS), 3.7 (GS).

PEC 0.67 253 iPc 13 19.36 -0.9
PLM 0.83 208 iP 13 22.47 -1.1
SSK 1.08 277 iP 13 26.96 -1.1
ABL 2.46 289 ePn 13 47.24 -1.5
BCH 3.23 291 ePn 13 58.21 -1.4
PHAM 3.72 299 ePn 14 03.73 -2.8
TNP 4.04 351 (Pn) 14 09.86 -1.3
ARUT 4.40 32 (P) 14 18.07 1.8
8 obs. associated

& JUN 28, 1992 19h 19m 09.49s
34.296 N 116.844 W
DEPTH = 1.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.6 (PAS), 3.5 (GS).

PEC 0.48 213 iPd 19 18.62 -0.5
iS 19 25.97
SSK 0.71 263 ePn 19 22.16 -1.5
PLM 0.94 181 iPd 19 27.13 -1.2
ABL 2.04 286 ePn 19 43.43 -2.0
eS 20 14.46
BCH 2.81 289 ePn 19 54.33 -2.1
PKEM 3.20 304 (P) 20 02.01 0.2
PHAM 3.30 299 eP 20 01.99 -1.2
TNP 3.79 356 ePn 20 10.87 0.4
BONR 3.84 343 (Pn) 20 11.43 0.2
ARN 4.88 310 (P) 20 23.29 -2.4
10 obs. associated

& JUN 28, 1992 19h 26m 37.56s
34.183 N 116.802 W
DEPTH = 1.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.0 (PAS), 4.0 (GS).

SSK 0.74 272 iPc 26 51.73 -0.6
ABL 2.11 289 ePn 27 13.79 -0.8
eS 27 46.26
BCH 2.88 291 eP 27 24.27 -1.4
PKEM 3.30 306 eP 27 30.09 -1.3
PHAM 3.38 300 ePn 27 29.82 -2.8
TNP 3.91 355 eP 27 39.28 -1.0
BONR 3.96 343 ePn 27 39.86 -1.2
ARUT 4.51 36 ePn 27 47.57 -1.2
KVN 4.97 348 ePn 27 54.22 -1.1
ARN 4.98 311 ePd 27 52.24 -3.0
MSU 5.71 40 ePn 28 04.60 -1.3
SRU 7.05 44 ePn 28 23.06 -1.5
EMUT 7.38 39 ePn 28 27.44 -1.9
DAU 7.63 34 ePn 28 33.26 0.4
14 obs. associated

% JUN 28, 1992 19h 32m 39.09± 0.81s
40.446 N ± 7.0km 28.996 E ± 7.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

YLV 0.31 67 iPg 32 45.40 -0.2
ISK 0.62 4 ePg 32 51.90 0.3
eSg 33 01.00
CTT 0.82 329 iPg 32 54.90 -0.1
BNT 0.83 264 ePn 32 54.90 -0.2
DST 0.89 199 iPn 32 56.30 0.2
S.D. = 0.3 on 5 of 5 obs.

& JUN 28, 1992 19h 42m 14.46s
34.188 N 116.440 W
DEPTH = 2.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.7 (PAS), 3.7 (GS).

PEC 0.67 244 iP 42 27.13 -0.7
SSK 1.04 272 (P) 42 34.22 -0.7
ABL 2.39 287 eP 42 53.84 -1.6
BCH 3.16 289 ePn 43 04.35 -1.9
eS 44 01.18
PKEM 3.54 303 (P) 43 12.24 0.7
PHAM 3.64 298 ePn 43 11.91 -1.1
TNP 3.94 351 (Pn) 43 17.53 0.1
ARUT 4.34 33 ePn 43 22.60 -0.5
ARN 5.20 309 ePn 43 34.88 -0.4
MSU 5.52 37 ePn 43 38.34 -1.6
10 obs. associated

& JUN 28, 1992 20h 23m 18.41s
34.124 N 116.425 W
DEPTH = 2.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.6 (PAS), 3.5 (GS).

PEC 0.65 249 ePc 23 30.67 -0.8
PLM 0.85 205 eP 23 34.28 -1.3
SSK 1.05 275 eP 23 38.08 -1.1
ABL 2.42 288 eP 23 55.50 -4.4
TNP 4.00 351 eP 24 20.60 -1.7
BONR 4.11 339 eP 24 22.50 -1.4
ARUT 4.38 33 eP 24 25.43 -2.3
MSU 5.56 37 eP 24 46.66 2.2
SRU 6.88 42 (P) 25 03.80 0.9
9 obs. associated

JUN 28, 1992 20h 46m 38.00± 0.37s
31.067 N ± 6.0km 142.486 E ± 7.3km
DEPTH = 38.8km (4 depth phases)
4.8mb (29 obs.) 4.3Msz (1 obs.)
SOUTH OF HONSHU, JAPAN (211)

MAT 6.52 328 eP 48 11.00 -3.0
0.8s 40.30nm 5.2mb
eS 49 23.00
SHO 13.22 14 eP 49 38.00 -7.6X
eS 51 52.50
YSS 15.93 1 ePc 50 15.10 -5.7X
1.2s 40.00nm 4.4mb
Z 16s 0.40um 6.0Msz
MDJ 16.90 327 eP 50 31.50 -1.6
CN2 18.52 318 eP 50 52.00 -1.1
0.8s 6.10nm 3.8mb
Z 16s 0.41um 5.4Msz
N 12s 0.21um
E 12s 0.38um
epP 51 00.00
SNY 18.58 311 Pc 50 53.00 -0.9
DL2 18.77 300 eP 51 00.00 3.7X
TIA 21.70 290 eP 51 29.20 1.7
1.2s 16.00nm 4.3mb
BJI 23.14 300 eP 51 41.00 -0.6
1.0s 22.00nm 4.6mb
TIY 25.60 293 eP 52 06.00 0.6
Z 18s 0.85um 4.3Msz
E 14s 0.85um
HHC 26.75 300 eP 52 16.30 0.3
0.8s 19.00nm 4.8mb
Z 16s 0.83um 4.4MszX
BTO 27.86 299 eP 52 26.00 -0.1
1.0s 30.00nm 4.9mb
N 13s 0.37um
E 13s 0.32um
epP 52 38.00 47km
XAN 28.38 285 eP 52 30.60 -0.1
CIT 29.76 323 eP 52 47.00 4.0X
LZH 32.43 289 eP 53 06.00 -0.8
1.5s 34.00nm 5.0mb
pP 53 11.50 19kmX
BOD 33.08 332 eP 53 12.00 0.1
1.0s 10.00nm 4.6mb
ZAK 34.90 315 eP 53 29.00 1.3
GTA 35.56 295 eP 53 34.00 0.3
1.0s 19.00nm 5.0mb
pP 53 44.50 36km
TIK 41.29 354 eP 54 22.00 1.2
1.0s 6.00nm 4.3mb
ILT 43.25 20 iPd 54 37.20 0.3
1.4s 36.00nm 4.9mb
WMQ 44.57 303 P 54 49.50 1.4
pP 55 00.00 36km
sP 55 05.00
MTN 45.00 196 eP 54 51.00 -0.6
0.5s 65.00nm 5.8mb
GUN 48.92 281 P 55 22.60 -0.2
PKI 49.43 281 P 55 26.00 -0.7
KKN 49.47 282 P 55 27.00 0.2
6.0s 16.00nm 4.2mb X
DMN 49.67 281 P 55 28.60 0.2
GKN 49.94 282 P 55 30.60 0.2
CTA 50.99 175 eP 55 36.40 -1.7
0.8s 24.25nm 5.2mb
WB2 51.32 190 iPc 55 34.80 -5.8X
0.4s 41.20nm 5.8mb
WRA 51.32 190 P 55 34.80 -5.8X
0.4s 42.90nm 5.8mb
OIS 51.40 183 eP 55 39.50 -1.7
0.6s 7.00nm 4.8mb
NDI 55.90 285 iPc 56 15.80 1.4
MBL 56.30 206 iPc 56 16.80 -0.4
DZM 57.62 154 iPc 56 27.30 0.6
WARB 58.91 197 iPc 56 35.80 0.2
0.5s 14.00nm 5.3mb
HYB 59.15 273 eP 56 38.50 0.9
MBC 62.00 16 eP 56 57.00 0.9
1.4s 16.00nm 5.0mb
QUE 63.74 291 eP 57 09.30 0.9
MAIO 67.22 300 eP 57 35.00 4.4X
YKA 68.54 29 eP 57 36.90 -1.5
1.2s 6.10nm 4.5mb
OBN 73.43 325 eP 58 08.00 0.2
e 58 19.00 36km
iS 08 31.00
KAF 74.03 334 iP 58 10.80 -0.4
0.5s 4.60nm 4.7mb
KIV 75.55 313 eP 58 21.70 1.2
NUR 75.64 333 eP 58 20.00 -0.5
SES 76.18 39 eP 58 25.00 1.2
HFS 79.89 337 eP 58 42.50 -1.4
0.5s 1.40nm 4.2mb
Z 16s 0.06um 4.0MszX
LR 33 38.00
OJC 84.50 327 eP 59 08.50 0.5
e 59 30.00 79kmX
KSP 85.65 329 ePc 59 14.40 0.7
CLL 86.72 331 eP 59 20.00 1.0
CDF 91.31 332 eP 59 40.30 -0.6
0.4s 0.65nm 4.4mb
LOR 93.59 333 eP 59 51.30 0.0
1.0s 2.80nm 4.6mb
LBF 93.77 333 eP 59 52.00 -0.2
0.6s 1.00nm 4.4mb
LPL 93.85 331 eP 59 52.90 0.1
0.7s 4.30nm 5.0mb
LPG 93.85 331 eP 59 53.10 0.2
0.6s 4.95nm 5.1mb
SSF 93.89 333 eP 59 52.80 0.1
0.6s 2.00nm 4.7mb
SMF 94.11 333 eP 59 53.70 0.0
AVF 94.18 333 eP 59 54.20 0.2
0.7s 4.30nm 5.0mb
ZOBO 148.47 69 PKP 06 24.00 4.2X
LPB 148.62 70 PKP 06 23.90 4.1X
CNCB 148.87 70 PKP 06 24.00 3.7X
SIV 153.78 60 (PKP) 06 45.00 18.2X
S.D. = 1.0 on 50 of 61 obs.

& JUN 28, 1992 20h 51m 31.96s
34.205 N 116.778 W
DEPTH = 11.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.9 (PAS), 3.9 (GS).

PEC 0.45 226 iPc 51 40.29 -0.8
SSK 0.76 271 iP 51 45.91 -0.9
PLM 0.85 185 iPd 51 47.62 -0.8
ABL 2.12 288 ePn 52 06.39 -1.6
S 52 40.49
BCH 2.89 291 ePn 52 17.36 -1.5
PKEM 3.30 305 ePn 52 22.88 -1.7
PHAM 3.39 300 ePn 52 23.91 -1.9
TNP 3.89 355 (Pn) 52 32.50 -0.6
BONR 3.94 342 ePn 52 31.36 -2.6
ARUT 4.48 36 (P) 52 40.02 -1.5

KVN 4.95 348 (P) 52 46.68 -1.5
ARN 4.98 310 ePn 52 45.32 -3.1
ORV 6.54 326 (P) 53 11.64 1.2
13 obs. associated

JUN 28, 1992 20h 56m 57.90± 1.05s
62.389 N ±11.9km 6.680 E ± 8.1km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
MD 2.4 (BER). Felt (IV) east of
Alesund.

MOL 0.44 65 iPd 57 06.90 0.0
eSg 57 13.10
FRO 1.06 234 iPc 57 17.51 -0.3
eSg 57 30.90
FOO 1.11 225 eP 57 18.88 0.2
eSg 57 32.92
HYA 1.25 191 eP 57 21.13 0.1
eSg 57 37.53
SUE 1.62 215 eP 57 26.92 0.4
eS 57 46.79
eSg 57 48.60
ASK 2.04 201 eP 57 32.74 0.1
eSg 58 01.46
EGD 2.24 199 ePn 57 35.00 -0.5
eSg 58 06.41
NRA0 2.86 123 P 57 44.36 0.0
Pg 57 49.24
Sg 58 26.01
HFS 4.07 121 eP 58 11.90 10.4X
0.2s 0.40nm
S.D. = 0.3 on 8 of 9 obs.

JUN 28, 1992 20h 58m 43.17± 0.35s
51.464 N ± 7.7km 174.719 W ± 3.8km
DEPTH = 33.0km (normal)
5.0mb (44 obs.) 4.5Msz (2 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)
ML 4.9 (PMR).

ADK 1.29 290 ePd 59 05.57 0.6
SMY 7.00 285 eP 00 32.70 6.7X
SDN 9.34 60 eP 00 59.70 1.3
SVW 14.29 40 (P) 02 06.19 1.3
1.0s 7.32nm 4.2mb
KDC 14.29 55 eP 02 03.70 -1.2
TTA 15.24 34 eP 02 17.77 0.4
0.7s 9.81nm 4.2mb
CPKM 15.77 43 (P) 02 24.43 0.1
SLKM 16.33 47 eP 02 30.11 -1.2
PMS 16.92 45 eP 02 39.60 0.8
PMR 17.25 44 eP 02 42.59 -0.2
0.5s 4.08nm 3.8mb X
IMA 18.11 28 eP 02 54.54 1.0
1.0s 15.80nm 4.1mb
KLU 18.64 46 eP 02 58.00 -2.1
TOA 18.75 44 eP 03 02.20 0.9
FBA 19.34 36 (P) 03 06.20 -2.1
0.8s 19.42nm 4.4mb
BALM 20.17 49 eP 03 16.39 -0.9
BRW 21.50 16 (P) 03 30.40 -0.3
MBC 32.58 21 eP 05 13.00 0.0
GMW 33.37 76 (P) 05 21.43 1.3
LON 34.32 77 (P) 05 31.48 3.0X
PNT 34.50 71 eP 05 30.00 0.1
0.7s 8.00nm 4.8mb
KAKJ 35.32 262 P 05 36.80 -0.2
NIIJ 35.40 265 P 05 37.80 0.1
CHJJ 36.16 263 P 05 44.70 0.6
MAT 36.33 264 eP 05 45.00 -0.6
1.0s 18.00nm 4.9mb
LBFM 37.06 85 (P) 05 51.70 -0.2
HVU 42.45 78 eP 06 36.83 0.4
FCC 44.04 48 ePd 06 50.60 1.7
SRU 45.41 80 eP 07 00.47 0.0
ULM 47.48 59 eP 07 18.00 1.6
BJI 47.84 285 eP 07 19.00 -0.3
1.0s 31.00nm 5.3mb
Z 20s 0.42um 4.4Msz
SSE 50.55 272 Pc 07 42.30 2.0
1.0s 27.00nm 5.2mb
LZH 57.79 289 eP 08 33.00 -0.6
2.0s 56.00nm 5.3mb
Z 18s 0.49um 4.7Msz
pP 08 37.50 15kmX
EEO 58.46 54 eP 08 38.50 0.6
GBTN 63.36 66 eP 09 09.43 -1.8
NAV 64.10 62 eP 09 15.15 -1.0
TBR 64.83 55 eP 09 19.46 -1.3
epP 09 33.75 51kmX
CVL 64.90 60 eP 09 21.23 0.0
epP 09 34.94 48kmX
KAF 65.54 349 iP 09 23.00 -2.0
0.5s 8.60nm 5.1mb
LMN 65.85 46 ePd 09 28.00 0.8
CEH 66.08 62 eP 09 27.91 -0.8
0.5s 6.30nm 5.0mb
epP 09 41.80 49kmX
LHS 66.15 64 eP 09 28.17 -1.1
epP 09 41.52 47kmX
KMI 66.23 281 eP 09 30.00 -0.2
NUR 67.30 350 iP 09 34.60 -1.5
0.5s 11.70nm 5.2mb
N82 67.75 357 P 09 38.00 -1.0
0.7s 9.90nm 5.0mb
HFS 68.55 355 eP 09 35.70 -8.3X
0.6s 6.50nm 4.9mb
UPP 68.59 353 iP 09 43.10 -1.1
GUN 74.17 295 P 10 17.60 -0.9
DMU 74.51 7 eP 10 19.60 -0.1
KKN 74.60 295 P 10 20.20 -0.7
PKI 74.69 295 P 10 20.60 -1.0
GKN 74.80 296 P 10 21.40 -0.6
DMN 74.84 295 P 10 21.60 -0.7
DCN 75.03 8 eP 10 22.60 -0.1
DLF 75.14 7 eP 10 23.20 -0.1
ETA 75.76 7 eP 10 26.90 0.1
EC8 76.05 8 eP 10 28.30 -0.1
ECP 76.26 7 eP 10 29.70 0.1
WTS 76.91 359 eP 10 33.50 0.3
0.9s 9.00nm 4.8mb
CLL 77.39 355 iPd 10 35.40 -0.5
0.8s 11.00nm 4.9mb
e 11 28.00
KSP 77.64 353 ePd 10 37.00 -0.3
BRG 77.77 354 iP 10 37.70 -0.4
0.9s 14.00nm 5.0mb
MOX 78.13 356 iPd 10 40.40 0.4
1.2s 13.00nm 4.8mb
ENN 78.14 360 iPd 10 40.50 0.5
0.9s 16.00nm 5.0mb
SNF 78.40 1 P 10 42.00 0.6
PRU 78.62 354 eP 10 41.80 -0.9
DOU 78.82 0 P 10 44.60 0.8
GRF 79.10 356 iPKP 10 46.20 0.8
WLF 79.25 359 P 10 47.00 0.9
KHC 79.53 354 eP 10 46.50 -1.3
FLN 80.03 4 eP 10 50.40 0.0
1.1s 17.10nm 5.0mb
ZST 80.20 352 e(P) 10 51.40 0.1
LDF 80.22 4 eP 10 51.20 -0.1
1.0s 21.60nm 5.1mb
GRR 80.39 4 eP 10 52.40 0.1
0.9s 16.40nm 5.0mb
CDF 80.49 359 eP 10 53.10 0.2
1.0s 14.00nm 4.9mb
LPF 80.74 4 eP 10 54.50 0.4
0.9s 10.50nm 4.8mb
HAU 80.91 359 eP 10 55.30 0.2
0.9s 14.60nm 5.0mb
BSF 81.08 359 eP 10 56.20 0.1
0.9s 11.30nm 4.9mb
KBA 81.59 354 iPd 10 58.00 -0.9
1.6s 57.20nm 5.3mb
i 10 59.70
LOR 81.64 1 eP 10 59.30 0.4
0.8s 12.35nm 5.0mb
MLR 81.79 345 eP 11 00.00 0.1
SSF 81.84 1 eP 11 00.50 0.6
0.8s 15.60nm 5.1mb
LBF 81.93 1 eP 11 00.50 0.1
0.9s 9.15nm 4.8mb
AVF 82.11 1 eP 11 01.70 0.4
1.1s 21.50nm 5.1mb
MFF 82.20 4 eP 11 02.30 0.5
0.9s 16.85nm 5.1mb
SMF 82.26 1 eP 11 02.60 0.5
1.0s 23.40nm 5.2mb
BGF 82.34 2 eP 11 03.00 0.5
0.9s 9.50nm 4.8mb
QUE 82.34 310 eP 11 04.00 0.9
1.1s 49.37nm 5.5mb
TCF 82.59 2 eP 11 04.20 0.3
0.8s 7.40nm 4.8mb
LSF 82.61 3 eP 11 04.40 0.4
0.9s 20.00nm 5.2mb
MAF 82.67 2 eP 11 04.80 0.5
0.8s 6.70nm 4.8mb
RJF 83.56 3 eP 11 09.60 0.8
0.6s 3.95nm 4.7mb
LFF 83.90 3 eP 11 11.30 0.8
1.0s 22.20nm 5.3mb
WRA 83.90 227 P 11 04.60 -6.2X
0.6s 0.60nm 3.9mb X
CAF 83.95 2 eP 11 11.70 0.8
1.1s 12.20nm 5.0mb
LPO 84.17 3 eP 11 12.40 0.5
1.0s 13.20nm 5.1mb
LMR 85.58 359 eP 11 19.80 0.8
0.9s 7.20nm 4.9mb
EPF 85.79 4 eP 11 20.40 0.3
0.8s 3.35nm 4.6mb
SKO 85.89 348 iP 11 20.90 0.3
HYB 86.55 294 eP 11 24.00 -0.2
BCAO 123.18 344 ePKPd 17 38.10 0.1
0.5s 5.00nm
BUL 143.78 321 iPKPc 18 14.30 -2.3X
1.0s 14.50nm
SLR 148.90 317 iPKPc 18 27.70 2.8X
0.7s 17.12nm
WIN 149.73 338 iPKPd 18 31.60 5.3X
0.7s 10.27nm
PRY 150.29 317 iPKPc 18 31.70 4.7X
0.7s 5.00nm
BLF 152.74 317 ePKP 18 39.20 8.7X
S.D. = 0.8 on 96 of 105 obs.

• JUN 28, 1992 21h 01m 55.13± 0.74s
40.804 N ±12.9km 72.587 E ±10.7km
DEPTH = 33.0km (normal)
4.5mb (6 obs.)
KYRGYZSTAN (716)

MAIO 11.19 251 eP 04 35.00 -1.0
eS 06 38.00
QUE 11.54 205 eP 04 46.50 5.7X
NDI 12.67 161 eP 05 00.30 4.5X
eS 07 13.00
GKN 16.16 138 P 05 42.20 0.7
KKN 16.66 137 P 05 48.60 0.7
0.6s 21.00nm 4.4mb
DMN 16.72 138 P 05 49.60 0.9
GUN 16.88 136 P 05 55.20 4.4X
PKI 16.91 137 P 05 51.20 0.1
HYB 23.87 166 eP 07 13.00 6.5X
BTO 28.24 78 eP 07 45.00 -2.1
HHC 29.33 77 eP 07 37.00 -20.0X
1.0s 10.00nm
GRF 43.01 303 ePKP 09 58.40 5.5X
BCAO 60.38 248 ePc 12 04.10 0.5
0.7s 3.00nm 4.5mb
e 12 29.20
MBC 62.98 3 eP 12 21.50 1.2
1.0s 24.00nm 5.3mb
YKA 76.89 3 eP 13 46.50 1.4
0.7s 2.70nm 4.4mb
WRA 83.27 123 P 14 19.20 -0.6
0.7s 0.50nm 3.7mb
WB2 83.27 123 eP 14 18.10 -1.7
0.8s 3.00nm 4.5mb
S.D. = 1.3 on 11 of 17 obs.

& JUN 28, 1992 21h 13m 16.46s
34.095 N 116.427 W
DEPTH = 3.8km
4.3mb (5 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 4.6 (PAS).

PEC 0.64 252 iPc 13 28.26 -1.0
PLM 0.82 206 iPd 13 31.92 -1.0
SSK 1.06 277 iP 13 35.97 -1.1
A8L 2.43 289 ePnc 13 55.86 -2.0
iS 14 34.20
BCH 3.21 291 ePnc 14 06.32 -2.4
PKEM 3.60 304 eP 14 11.50 -2.7
PHAM 3.69 299 ePn 14 13.43 -2.2
TNP 4.03 351 ePn 14 18.26 -2.3
BONR 4.14 339 ePn 14 20.87 -1.3
ARUT 4.41 32 ePn 14 24.33 -1.6

28d 21h

KVN 5.13 345 iPn 14 34.84 -1.2
eS 15 59.93
ARN 5.27 309 eP 14 34.84 -3.2
MSU 5.59 37 ePn 14 42.56 -0.1
DUG 6.74 24 eP 15 00.07 1.3
ORV 6.80 325 eP 14 57.85 -1.6
iS 16 48.47
SRU 6.90 42 eP 15 01.38 0.3
DAU 7.53 32 eP 15 10.53 0.5
HVU 8.20 20 ePn 15 18.52 -0.7
LBFM 8.43 331 (P) 15 22.02 -0.5
BW06 10.20 30 eP 15 47.29 0.3
SHW 12.87 342 (P) 16 24.56 1.5
RMW 13.95 345 (P) 16 39.88 2.6
CCM 20.71 72 eP 17 59.71 -0.7
1.1s 6.91nm 3.9mb
YKA 28.44 2 eP 19 16.00 1.9
0.6s 0.80nm 3.7mb
PMR 34.51 333 eP 20 07.69 0.2
0.9s 12.50nm 4.8mb
CPKM 35.54 331 (P) 20 15.32 -1.2
FBA 36.20 338 (P) 20 19.70 -2.2
0.9s 5.42nm 4.4mb
MBC 42.26 359 eP 21 15.00 3.0
1.1s 12.00nm 4.5mb
28 obs. associated

& JUN 28, 1992 21h 30m 32.68s
62.001 N 150.760 W
DEPTH = 55.8km
CENTRAL ALASKA (1)
<AEIC>. ML 2.9 (AEIC), 3.0 (PMR).

SKT 0.36 267 iP 30 42.54 -0.5
eS 30 51.16
CUT 0.47 29 iP 30 43.40 -0.6
SUA 0.54 179 iP 30 44.89 -0.1
eS 30 55.14
PWA 0.55 130 P 30 44.70 -0.2
S 30 54.70
PMR 0.88 117 iP 30 47.89 -1.1
eS 31 00.83
NCG 0.90 229 iP 30 48.62 -0.8
eS 31 02.07
GHO 0.90 104 iP 30 48.86 -0.6
CGLM 0.92 221 iP 30 48.95 -0.7
eS 31 02.23
PMS 0.95 142 P 30 49.50 -0.6
CRP 0.99 223 eP 30 49.64 -1.2
iS 31 04.08
CPKM 1.02 224 eP 30 50.00 -1.2
SPU 1.03 218 eP 30 50.52 -0.7
eS 31 04.83
BGL 1.07 227 eP 30 51.51 -0.3
CKL 1.10 224 iP 30 51.66 -0.6
HUR 1.11 28 eP 30 51.00 -1.3
eS 31 05.69
SML 1.17 98 iP 30 52.05 -1.0
S 31 07.07
BKG 1.18 218 iP 30 52.53 -0.7
eS 31 08.65
KNK 1.25 117 iP 30 53.39 -0.7
PTE 1.41 143 eP 30 55.07 -1.3
TRF 1.47 8 eP 30 55.78 -1.6
eS 31 14.08
SLKM 1.52 170 eP 30 57.45 -0.5
KTH 1.56 357 iP 30 57.18 -1.4
SCM 1.63 94 eP 30 58.42 -1.1
eS 31 20.07
RND 1.66 31 eP 30 59.25 -0.7
REF 1.78 213 iPc 31 00.59 -1.2
RS2 1.82 213 eP 31 01.87 -0.4
RSO 1.82 213 eP 31 01.86 -0.4
RS1 1.82 213 eP 31 01.86 -0.5
RED 1.86 212 eP 31 00.05 -2.7
MCK 1.93 25 eP 31 02.49 -1.2
NNL 1.98 188 eP 31 05.50 1.1
SEW 2.01 161 eP 31 04.57 -0.1
TOA 2.16 85 P 31 06.00 -1.0
INE 2.25 211 eP 31 07.46 -0.8
INW 2.26 212 eP 31 07.87 -0.5
VLZ 2.29 110 eP 31 06.29 -2.4
IVS 2.30 211 P 31 05.00 -4.0
KLU 2.36 100 eP 31 07.78 -2.0
SVW 2.49 251 ePn 31 08.43 -3.2
CNPM 2.49 186 eP 31 11.29 -0.3
SDG 2.50 75 eP 31 10.21 -1.4
TZL 2.52 87 eP 31 12.14 0.3
TTA 2.61 293 iPc 31 10.48 -2.8
HIN 2.62 126 eP 31 11.28 -2.0
PAX 2.64 66 eP 31 12.56 -1.2
NEA 2.70 16 eP 31 12.31 -2.1
WRH 2.76 25 eP 31 12.90 -2.4
CVA 2.83 119 P 31 13.60 -2.7
AUE 2.95 207 P 31 14.80 -3.2
AUP 2.95 207 P 31 20.10 1.9
AUH 2.96 208 P 31 19.50 1.2
HDA 2.97 34 eP 31 15.89 -2.5
CCB 2.97 25 eP 31 15.80 -2.6
MLY 3.04 0 eP 31 16.60 -2.9
FBA 3.20 23 (P) 31 18.64 -3.0
GLB 3.36 97 eP 31 21.17 -2.7
GLM 3.36 25 eP 31 21.20 -2.7
TGL 4.01 105 eP 31 31.47 -1.7
BALM 4.15 100 (P) 31 34.56 -0.5
IMA 4.28 344 eP 31 33.54 -3.4
60 obs. associated

% JUN 28, 1992 22h 03m 11.75± 0.67s
42.554 N ± 5.1km 13.005 E ± 8.7km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

MNS 0.29 235 P 03 18.20 0.3
eSg 03 24.60
ASS 0.58 334 P 03 22.20 -1.2
eSg 03 31.40
AZI 0.65 150 P 03 24.90 0.2
eSg 03 34.80
RDP 0.82 195 P 03 27.50 -0.2
eSg 03 41.00
ARV 0.95 357 P 03 30.40 0.6
eSg 03 44.00
SDI 1.04 144 P 03 31.20 -0.2
eSg 03 47.40
SFI 1.61 329 P 03 40.80 0.6
eSg 04 00.80
S.D. = 0.8 on 7 of 7 obs.

& JUN 28, 1992 22h 03m 23.36s
34.243 N 116.785 W
DEPTH = 4.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.2 (PAS), ML 3.3 (GS).

PEC 0.47 222 iPd 03 32.12 -0.6
SSK 0.75 268 iPc 03 37.38 -1.1
PLM 0.89 184 iPd 03 39.82 -1.3
S 03 52.32
GLA 2.02 125 ePn 03 58.45 -0.2
ABL 2.10 287 ePn 03 58.09 -1.9
BCH 2.88 290 ePn 04 08.18 -2.8
PKEM 3.27 305 (P) 04 13.51 -2.9
PHAM 3.36 299 ePn 04 16.08 -1.7
TNP 3.85 355 ePn 04 23.50 -1.3
ARUT 4.46 37 eP 04 31.34 -2.1
ARN 4.95 310 (P) 04 37.15 -3.2
MSU 5.66 40 ePn 04 49.39 -1.1
12 obs. associated

& JUN 28, 1992 22h 13m 12.02s
34.058 N 116.355 W
DEPTH = 7.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.0 (PAS), 3.8 (GS).

PEC 0.69 256 iPc 13 24.46 -1.4
SSK 1.12 278 ePc 13 32.36 -1.1
ABL 2.50 289 eP 13 52.13 -1.8
S 14 28.87
BCH 3.27 291 eP 14 02.96 -1.9
PHAM 3.77 299 ePn 14 09.80 -2.0
Pg 14 17.28
TNP 4.08 350 ePn 14 14.05 -2.3
Pg 14 26.55
BONR 4.20 338 ePn 14 16.96 -1.2
Pg 14 30.22
ARUT 4.41 32 ePn 14 20.18 -0.9
ARN 5.34 309 eP 14 30.68 -3.5
MSU 5.58 36 (P) 14 40.38 2.6
DUG 6.75 24 (P) 14 56.57 2.5
0.5s 0.49nm 3.8mb X
ORV 6.86 325 (P) 14 52.78 -2.8
SRU 6.89 41 (P) 14 53.87 -2.2
13 obs. associated

? JUN 28, 1992 22h 42m 20.64± 0.81s
15.229 N ±11.4km 61.177 W ±53.8km
DEPTH = 120.0km (geophysicist)
LEEWARD ISLANDS (92)

FDF 0.49 177 iPd 42 39.14 0.3
S 42 53.00
CRM 0.54 152 iPd 42 39.01 0.0
S 42 53.60
MGG 0.70 349 eP 42 40.00 -0.2
S 42 54.00
BIM 0.72 172 iPc 42 40.28 -0.1
MVM 0.72 158 iPd 42 40.36 -0.1
S 42 56.10
DEG 1.08 6 eP 42 44.00 0.1
S.D. = 0.2 on 6 of 6 obs.

& JUN 28, 1992 22h 48m 22.85s
34.152 N 116.468 W
DEPTH = 11.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.1 (PAS), 4.2 (GS).

PLM 0.86 202 iPc 48 38.93 -0.5
SSK 1.02 274 iPc 48 39.92 -2.2
ABL 2.38 288 ePn 49 00.96 -1.6
BCH 3.15 290 ePn 49 11.75 -1.7
PHAM 3.64 299 eP 49 19.76 -0.5
TNP 3.97 351 ePn 49 23.98 -1.1
BONR 4.08 339 eP 49 25.87 -0.8
ARUT 4.38 33 eP 49 29.43 -1.5
ARN 5.21 309 eP 49 40.46 -2.1
MSU 5.56 37 eP 49 47.12 -0.7
DUG 6.70 25 eP 50 08.68 5.0
ORV 6.73 325 (P) 50 04.69 0.6
SRU 6.88 42 eP 50 08.39 2.1
EMUT 7.24 37 eP 50 11.35 0.0
14 obs. associated

? JUN 28, 1992 22h 58m 04.81± 3.02s
34.557 S ±33.2km 70.987 W ±18.2km
DEPTH = 90.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)

CACH 0.54 36 iPd 58 20.40 0.1
iS 58 31.50
CHCH 0.68 24 iPd 58 21.30 -0.1
iS 58 33.10
LNV 0.70 330 iP 58 21.50 0.0
iS 58 33.20
TACH 0.90 3 iPc 58 23.60 -0.1
iS 58 36.70
PCH 1.01 23 iP 58 25.00 -0.1
iS 58 39.20
FCH 1.36 25 iPc 58 29.50 0.0
iS 58 47.90
PEL 1.43 10 iPd 58 30.30 0.2
iS 58 48.30
S.D. = 0.1 on 7 of 7 obs.

JUN 28, 1992 23h 18m 33.21± 1.03s
49.373 N ± 8.4km 20.520 E ± 8.8km
DEPTH = 8.0 ± 6.0 km
POLAND (548)
ML 4.0 (WAR). Felt at Bardejav, Cigelka and Gabaltov, Czechoslovakia.

OJC 0.97 331 eP 18 51.20 -0.6
iS 19 05.90
PSZ 1.51 196 ePnd 18 59.30 -1.4
RAC 1.67 296 ePg 19 06.00 3.2X
0.7s 0.15nm
i 19 06.10
i 19 10.00
iSg 19 29.80
i 19 32.00
i 19 34.30
CEI 2.12 142 eP 19 35.00 25.6X
BUD 2.14 208 ePn 19 13.90 4.3X
SRO 2.14 224 ePn 19 14.50 4.8X
i 19 16.30
i 19 29.00

e(Sn) 19 47.90
i 19 51.50
Lg 19 55.00
ZST 2.55 244 iPnd 19 15.90 0.4
iPg 19 25.50
iSn 19 51.00
VKA 2.99 250 iPnc 19 22.20 0.4
i 20 09.30
KSP 3.09 300 ePn 19 23.60 0.4
MDB 4.15 140 iPc 20 07.00 28.8X
BRG 4.49 292 iPg 19 58.00 15.0X
i 20 42.00
iSg 20 59.00
KHC 4.55 270 Pn 19 44.00 0.0
1.2s 17.00nm
Pg 20 01.80
Sg 21 09.50
CLL 5.19 295 e(Pg) 20 15.00 22.0X
eSg 21 27.00
KBA 5.32 247 iPd 19 55.20 0.2
0.4s 5.20nm 4.5mb X
i 20 04.90
MLR 5.35 135 eP 19 56.00 0.6
VRI 5.47 128 ePd 20 05.50 8.6X
MOX 5.88 286 e(P) 20 24.20 21.5X
e(S) 21 47.00
GRF 6.06 277 e(Pn) 20 05.00 -0.3
e(Pg) 20 28.00
e(Sg) 21 38.00
HFS 11.47 343 eP 21 11.70 -8.5X
0.3s 1.90nm 4.9mb X
S.D. = 0.8 on 9 of 19 obs.

JUN 28, 1992 23h 27m 07.97± 0.77s
52.189 N ± 5.4km 174.175 E ± 3.4km
DEPTH = 41.5 ± 6.3 km
5.0mb (71 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS (5)
ML 4.7 (PMR). Felt on Shemya.

SMY 0.54 355 iPd 27 19.23 -0.1
ADK 5.65 89 eP 28 33.12 1.5
SDN 15.27 68 (P) 30 44.23 2.1
ANM 16.29 33 eP 30 54.36 -0.6
SVW 18.69 50 ePc 31 25.38 0.5
0.6s 23.80nm 4.6mb
TTA 19.07 44 ePc 31 29.34 -0.1
0.7s 16.99nm 4.4mb
KDC 19.79 61 eP 31 35.27 -1.9
0.5s 19.57nm 4.7mb
REF 19.96 52 eP 31 39.03 -0.2
CPKM 20.33 50 eP 31 43.79 0.7
CRP 20.36 50 eP 31 43.97 0.5
SLKM 21.18 53 eP 31 49.41 -2.2
IMA 21.23 37 iPc 31 51.94 -0.3
0.7s 32.46nm 4.8mb
KUSJ 21.71 257 P 31 55.70 -1.3
PMR 21.85 50 eP 31 57.94 -0.3
0.5s 13.14nm 4.6mb
ASAJ 22.39 261 eP 32 04.50 0.7
HOOJ 22.97 257 eP 32 09.30 -0.2
FBA 23.13 42 eP 32 11.13 0.2
0.6s 73.81nm 5.3mb
BRW 23.15 23 eP 32 11.54 0.5
TOA 23.31 49 iPc 32 14.20 1.5
KLU 23.37 51 eP 32 12.83 -0.4
BALM 25.07 52 eP 32 28.54 -1.2
YAK 25.56 310 iPd- 32 33.00 -1.2
1.0s 330.00nm 5.9mb
ipP 33 03.00 145kmX
ePP 33 23.00
iPPP 33 36.00
ePcP 36 00.00
iS 36 56.00
isS 37 20.00
OFUJ 25.99 253 P 32 38.70 0.3
MAT 29.72 253 (P) 33 13.00 0.8
0.8s 23.88nm 5.0mb
MBC 34.52 23 ePc 33 53.00 -0.6
0.6s 11.00nm 5.0mb
YKA 37.82 46 eP 34 21.50 -0.1
0.5s 5.80nm 4.7mb
PNT 40.68 67 ePc 34 46.00 0.4
0.7s 17.00nm 4.9mb
BJI 40.94 276 eP 34 48.00 0.2
1.0s 15.00nm 4.7mb
DPW 42.23 68 eP 34 58.35 0.0

SSE 43.71 262 Pd 35 11.00 0.6
1.0s 22.00nm 4.9mb
i 35 25.00
SES 44.85 61 eP 35 19.00 -0.6
FCC 48.48 44 ePc 35 49.00 1.1
HVU 48.91 72 eP 35 49.25 -2.4
DAU 50.66 72 eP 36 05.52 0.2
LZH 50.95 281 Pd 36 07.20 -0.2
1.0s 49.00nm 5.5mb
pP 36 20.00 47kmX
sP 36 36.00
ULM 52.80 54 eP 36 22.00 1.1
AKU 62.08 6 iP 37 26.80 0.7
1.0s 28.00nm 5.3mb
KAF 63.23 344 iP 37 32.40 -1.4
0.4s 21.80nm 5.6mb
EEO 63.33 48 ePc 37 34.10 -0.6
CCM 63.58 61 ePc 37 35.42 -1.0
0.6s 7.62nm 5.0mb
FVM 64.08 61 eP 37 38.25 -1.5
0.5s 26.79nm 5.6mb
NUR 65.02 344 iP 37 44.10 -1.4
0.7s 30.80nm 5.5mb
GRT 65.88 62 eP 37 50.45 -0.9
NB2 66.30 351 P 37 52.50 -1.2
0.6s 24.50nm 5.4mb
UPP 66.72 347 iP 37 54.70 -1.6
HFS 66.93 350 eP 37 55.90 -1.8
0.5s 30.20nm 5.6mb
Z 17s 0.07um 3.9MszX
LR 01 15.00
OBN 67.44 335 eP 37 59.30 -1.6
e 38 22.00
e 38 33.00
GUN 67.47 287 Pc 38 00.40 -1.6
PWLA 67.58 62 eP 38 01.23 -0.9
KKN 67.91 287 Pc 38 03.20 -1.4
PKI 68.00 287 Pc 38 03.60 -1.7
GKN 68.13 288 Pc 38 04.40 -1.5
DMN 68.15 287 Pc 38 04.80 -1.4
0.6s 36.00nm 5.6mb
GBTN 69.11 59 eP 38 10.34 -1.3
TKL 69.35 58 eP 38 12.04 -1.1
LMN 70.01 40 ePc 38 17.50 0.6
CVL 70.26 53 eP 38 18.28 -0.3
EDR 71.22 358 ePc 38 23.20 -0.9
0.6s 13.00nm 5.1mb
PRM 71.30 58 ePc 38 24.66 -0.3
EDU 71.60 358 ePc 38 25.60 -0.8
0.5s 28.00nm 5.5mb
ELO 71.69 359 ePc 38 26.20 -0.7
1.0s 14.00nm 4.9mb
EBH 71.91 359 ePc 38 27.70 -0.5
0.7s 37.00nm 5.5mb
EAB 71.98 359 ePc 38 28.40 -0.2
ESY 72.23 358 ePc 38 29.50 -0.6
0.7s 18.00nm 5.1mb
EAU 72.32 359 ePc 38 30.40 -0.2
0.8s 38.00nm 5.4mb
DMU 74.28 1 eP 38 42.00 -0.1
DCN 74.83 1 eP 38 45.30 0.0
WIT 74.85 352 eP 38 46.50 1.2
DLF 74.89 0 eP 38 45.60 0.0
0.7s 60.00nm 5.7mb
ETA 75.49 0 eP 38 49.00 0.0
WTS 75.65 352 iP 38 49.80 -0.1
0.8s 15.00nm 5.0mb
e 38 52.00
KSP 75.65 346 iPc 38 49.70 -0.3
CLL 75.66 348 eP 38 49.00 -1.0
1.4s 13.00nm 4.7mb
OJC 75.68 343 iPd 38 50.60 0.4
ECB 75.82 1 eP 38 50.80 -0.1
BRG 75.96 347 iP 38 51.20 -0.6
0.8s 12.00nm 4.9mb
CTA 75.98 207 eP 38 52.50 0.3
0.5s 14.79nm 5.2mb
ECP 76.00 0 eP 38 51.90 0.0
QUE 76.33 302 iPc 38 54.50 0.1
1.0s 32.50nm 5.3mb
MOX 76.48 349 iP 38 54.40 -0.3
1.4s 13.00nm 4.7mb
PRU 76.74 347 Pc 38 56.00 -0.2
1.0s 7.40nm 4.7mb
ENN 76.94 352 iPc 38 57.30 0.1
0.9s 23.00nm 5.2mb
DOU 77.71 353 P 39 01.30 -0.2

KHC 77.72 347 P 39 01.50 -0.1
1.0s 7.00nm 4.6mb
WLF 78.02 352 Pd 39 04.00 0.9
ZST 78.10 345 iP 39 04.80 1.2
SRO 78.26 344 iP 39 05.60 1.1
BUD 78.46 343 eP 39 06.90 1.3
CDF 79.16 351 iPc 39 09.40 -0.2
0.6s 6.30nm 4.8mb
FLN 79.32 356 iPc 39 10.00 -0.3
0.8s 22.45nm 5.2mb
LDF 79.48 356 iPc 39 10.80 -0.4
0.9s 23.25nm 5.1mb
HAU 79.64 352 iPc 39 12.00 -0.1
1.0s 14.60nm 4.9mb
SLE 79.67 350 ePc 39 12.10 -0.2
GRR 79.71 357 iPc 39 12.50 0.1
0.8s 34.65nm 5.4mb
KBA 79.76 347 iPc 39 14.00 1.0
0.8s 42.20nm 5.5mb
i 39 29.10
BSF 79.78 351 iPc 39 12.70 -0.3
1.0s 16.60nm 5.0mb
WTTA 79.80 348 iPc 39 13.30 0.1
0.7s 12.20nm 5.0mb
i 39 20.40
HYB 79.81 285 eP 39 13.30 -0.2
1.0s 50.00nm 5.4mb
ZLA 79.97 350 ePc 39 13.90 0.0
LPF 80.08 357 iPc 39 14.50 0.1
1.0s 24.00nm 5.1mb
LLS 80.51 350 ePc 39 17.40 0.4
PTJ 80.51 345 iPc 39 17.50 0.6
OSS 80.56 349 ePc 39 17.80 0.6
LOR 80.58 353 iPc 39 17.10 0.0
0.9s 15.05nm 5.0mb
VOY 80.70 346 e(P) 39 17.00 -0.9
SSF 80.81 354 iPc 39 18.40 0.1
0.8s 15.60nm 5.0mb
VDL 80.83 349 ePc 39 19.40 0.7
LBF 80.85 353 iPc 39 18.30 -0.3
1.0s 8.40nm 4.7mb
CTI 81.00 348 P 39 19.20 -0.3
VBY 81.01 345 iPd 39 20.50 1.1
AVF 81.09 354 iPc 39 19.90 0.2
0.9s 16.05nm 5.0mb
SMF 81.20 353 iPc 39 20.50 0.1
0.9s 17.85nm 5.0mb
TMA 81.27 350 ePc 39 21.40 0.4
BGF 81.35 354 iPc 39 21.40 0.2
0.8s 7.95nm 4.8mb
MMK 81.42 350 ePc 39 22.90 1.0
DIX 81.45 351 ePc 39 23.10 1.1
MFF 81.47 356 iPc 39 22.00 0.3
0.7s 10.15nm 4.9mb
VAI 81.52 350 P 39 22.10 0.1
TCF 81.66 354 iPc 39 23.00 0.2
0.8s 11.95nm 5.0mb
MAF 81.71 354 iPc 39 23.50 0.5
0.8s 12.35nm 5.0mb
LSF 81.74 355 iPc 39 23.40 0.2
0.7s 10.05nm 4.9mb
ORO 81.85 350 P 39 24.40 0.5
RSL 81.92 351 P 39 24.67 0.4
LPL 82.08 351 iPc 39 26.40 1.2
0.7s 8.95nm 4.9mb
LPG 82.09 351 iPc 39 26.60 1.2
1.0s 22.20nm 5.1mb
LSD 82.09 351 P 39 26.46 1.1
RSP 82.39 351 P 39 27.18 0.5
PLE 82.39 342 iPc 39 27.94 1.2
BOB 82.53 349 P 39 28.60 1.2
BNI 82.54 351 P 39 29.50 1.9
RRL 82.66 351 P 39 29.64 1.3
RJF 82.68 355 iPc 39 28.20 0.1
0.8s 6.05nm 4.7mb
IVA 82.74 341 iPc 39 29.30 0.8
PCP 82.86 350 P 39 29.03 -0.1
NKY 82.97 342 iPc 39 29.79 0.0
BRY 82.97 342 iPc 39 29.69 -0.1
PVY 82.99 341 iPc 39 30.05 0.2
CKI 83.00 350 P 39 29.70 -0.1
CAF 83.03 354 iPc 39 30.70 0.8
0.9s 21.45nm 5.2mb
DOI 83.03 351 P 39 29.50 -0.5
PZZ 83.04 351 P 39 29.44 -0.7
SFI 83.06 347 P 39 31.70 1.7
BDI 83.09 348 P 39 30.70 0.4

28d 23h

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LFF     83.09 355 iPc     39 30.70   0.5
        0.6s     11.10nm          5.1mb
FIN     83.22 350 P       39 29.64  -1.3
STV     83.28 351 P       39 30.15  -1.2
FIR     83.28 348 eP      39 32.50   1.3
SKO     83.28 340 iP      39 31.70   0.4
ENR     83.29 350 P       39 30.15  -1.2
TTG     83.29 342 iPc     39 31.24   0.0
LPO     83.32 355 iPc     39 31.90   0.5
        0.8s     20.55nm          5.3mb
ASPA    83.33 217 iPc     39 32.40   0.8
        1.1s      9.00nm          4.8mb
HCY     83.42 342 iPc     39 31.49  -0.4
BDV     83.51 342 iPc     39 31.72  -0.7
TOUF    83.51 351 P       39 33.08   0.4
IMI     83.55 350 P       39 32.41  -0.3
AURF    83.63 350 P       39 33.59   0.5
MVIF    83.64 351 P       39 33.81   0.6
SBF     83.64 350 iPc     39 33.50   0.3
        0.6s     17.50nm          5.3mb
VAY     83.66 339 iP      39 34.00   0.8
ULC     83.74 341 iPc     39 32.62  -1.0
ASS     83.78 346 P       39 33.40  -0.5
CALN    83.81 351 P       39 34.55   0.5
FRF     84.02 351 iPc     39 35.50   0.5
        0.6s      5.95nm          4.9mb
LRG     84.16 351 iPc     39 36.40   0.8
        0.7s     12.35nm          5.1mb
LMR     84.26 351 iPc     39 36.80   0.6
        0.6s      6.95nm          4.9mb
PGF     84.77 349 P       39 38.86   0.0
BTH     84.94 356 eP      39 39.80   0.2
LESF    84.96 355 P       39 40.81   1.1
LSPF    85.01 354 P       39 41.30   1.4
EPF     85.01 355 iPc     39 40.10   0.1
        0.9s     13.60nm          5.1mb
GRBF    85.14 355 P       39 41.38   0.7
PERF    85.40 354 P       39 42.89   0.9
SOI     88.11 343 P       39 54.10  -1.0
STK     88.45 207 eP      39 57.10   0.5
        0.6s      3.70nm          4.9mb
BCAO   119.91 332 iPKPc 45 56.10   0.6
        0.8s      7.00nm
                  i       47 17.00
TIC    121.39 359 PKP     45 57.50  -0.8
KIC    121.67 359 PKP     45 58.00  -0.8
SLR    143.14 303 e(PKP)46 34.80  -4.3X
        0.8s     11.19nm
MAW    144.45 218 iPKPc 46 38.20  -1.6
        1.0s     35.00nm
PRY    144.53 302 iPKPc 46 39.40  -2.0X
        1.1s     20.27nm
SEK    145.57 301 iPKPd 46 44.00   0.8
        1.0s     75.00nm
WIN    145.57 320 iPKPc 46 43.70   0.4
        0.8s     55.97nm
      Z  20s      2.13um          5.9Msz
BLF    146.95 302 iPKPd 46 47.00   1.6
        0.5s     10.81nm
      S.D. = 0.9  on 182 of 184 obs.
-----------------------------------------
% JUN 28, 1992  23h 28m 24.02± 0.66s
   33.524 S ±11.7km   70.532 W ±15.6km
   DEPTH =  80.0km  (geophysicist)
 CHILE-ARGENTINA BORDER REGION      (127)

PCH      0.10 171 iP      28 35.90   0.0
                  iS      28 47.10
FCH      0.28  46 iPc     28 36.60  -0.2
                  iS      28 48.00
TACH     0.36 249 iP      28 37.20   0.3
                  iS      28 48.80
PEL      0.40 341 iPd     28 37.30   0.1
                  iS      28 49.00
CHCH     0.42 194 iPd     28 37.30   0.0
                  iS      28 49.10
CACH     0.59 185 iPd     28 39.10   0.1
                  iS      28 52.00
LNV      0.85 239 iP      28 41.20  -0.3
                  iS      28 55.90
      S.D. = 0.3  on   7 of   7 obs.
-----------------------------------------
* JUN 28, 1992  23h 48m 23.35± 0.65s
   52.717 N ±10.0km  176.201 W ±21.0km
   DEPTH =  33.0km  (normal)
   4.2mb (  8 obs.)
 ANDREANOF ISLANDS, ALEUTIAN IS. (  7)
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```
ADK      0.89 200 ePc     48 39.30  -0.1
                  eS      48 56.46
NB2     66.44 356 P       59 10.80  -0.1
        0.8s      2.10nm          4.3mb
HFS     67.22 355 eP      59 15.20  -0.6
        0.4s      2.00nm          4.6mb
GUN     72.82 293 P       59 51.00   0.1
        0.4s     17.00nm          5.4mb X
KKN     73.25 294 P       59 53.40   0.2
GKN     73.44 294 P       59 54.20   0.0
GEC2    78.47 353 P       00 21.00  -1.2
        0.8s      0.57nm          3.7mb
LPF     79.54   3 eP      00 27.90   0.0
LOR     80.39 360 iPc     00 33.30   0.8
        0.6s      1.10nm          4.0mb
SSF     80.60   0 iPc     00 33.90   0.3
        0.5s      1.40nm          4.2mb
LBF     80.68 360 eP      00 34.10   0.1
AVF     80.87   0 eP      00 35.20   0.2
        0.6s      1.25nm          4.1mb
MFF     81.00   3 eP      00 35.80   0.1
        0.8s      2.95nm          4.3mb
SMF     81.02 360 eP      00 36.00   0.2
        0.5s      1.25nm          4.2mb
WRA     84.10 226 P       01 02.30  10.4X
        0.9s      0.30nm
      S.D. = 0.5  on  14 of  15 obs.
-----------------------------------------
? JUN 29, 1992  00h 02m 30.44± 0.91s
   42.494 N ± 8.2km    8.160 W ± 7.2km
   DEPTH =  10.0km  (geophysicist)
 SPAIN                              (377)
      mbLg 2.7 (MDD).

STS      0.49 324 iPgc    02 40.30   0.0
                  eSg     02 46.80
EZAM     0.53 229 ePg     02 41.10   0.0
                  eSg     02 47.30
ERUA     0.76  97 ePg     02 45.30   0.0
                  eSg     02 55.90
EMON     1.12  33 iPgd    02 51.50   0.0
                  eSg     03 05.50
      S.D. = 0.0  on   4 of   4 obs.
-----------------------------------------
   JUN 29, 1992  00h 07m 05.26± 1.09s
   10.666 S ± 3.3km  161.440 E ± 3.7km
   DEPTH =  58.5 ±  9.9 km
   5.5mb ( 46 obs.)  5.3Msz ( 18 obs.)
 SOLOMON ISLANDS                    (193)
      Felt (IV) at Honiara.
      CENTROID, MOMENT TENSOR       (HRV)
      Data Used: GDSN
      L.P.B.: 32S, 80C
      Centroid Location:
      Origin Time        00:07: 9.1 0.2
      Lat 10.81S 0.02 Lon 161.45E 0.03
      Dep  55.1 1.7 Half-duration  3.2
      Moment Tensor;   Scale 10**17 Nm
        Mrr= 2.18 0.12  Mtt=-7.19 0.18
        Mff= 5.01 0.21  Mrt= 0.29 0.14
        Mrf=-2.76 0.13  Mtf= 1.21 0.13
       Principal Axes:
        T  Val=  6.75  Plg=31  Azm= 94
        N        0.59      59       282
        P       -7.34       4       186
      Best Double Couple:Mo=7.0*10**17
        NP1:Strike=235 Dip=66 Slip=  20
        NP2:       136     71       155

HNR      1.91 310 iP-     07 38.80   2.8
                  iS      08 08.00
BKM      9.59 137 iPc     09 21.50  -1.8
                  iS      11 07.00
RAB     11.22 304 eP      09 56.00  10.6X
                  eS      12 52.00
DZM     12.31 158 iPd     09 59.00  -1.1
                  iS      12 06.30
MDG     16.41 288 eP      10 59.20   5.9X
CTA     17.37 236 P       11 08.89   3.6X
MNDI    18.15 283 eP      11 20.80   5.7X
WWKK    19.00 290 eP      11 26.60   1.4
RMO     19.78 216 iPd     11 34.40   0.9
        1.1s    677.00nm          5.9mb
                  i       12 09.00
                  i       13 11.00
ARMA    21.67 203 iPd     11 53.40   0.5
        0.9s    183.00nm          5.5mb
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```
OLP     22.68 223 eP      12 05.00   2.2
        1.5s   1500.00nm          6.2mb
                  i       12 13.50
OIS     23.19 242 eP      12 09.00   1.2
        0.8s     74.00nm          5.2mb
CMS     25.26 213 eP      12 27.00  -0.6
        0.8s    215.00nm          5.7mb
BWA     26.48 205 eP      12 38.80  -0.1
                  epP     12 55.80  73kmX
                  i       13 00.60
                  e       13 13.00
CNB     26.89 202 iPd     12 44.30   1.6
        1.0s    170.00nm          5.6mb
                  i       13 08.00
CAN     27.03 203 eP      12 43.90   0.0
                  ipP     13 02.70  82kmX
                  i       13 07.50
                  e       13 18.80
                  i       14 22.70
WB2     27.67 247 eP      12 49.50  -0.4
        1.0s     22.50nm          4.7mb
                  i       13 06.60
WRA     27.68 247 P       12 49.79  -0.2
STK     27.97 218 P       12 53.20   0.8
GUMO    29.17 325 eP      13 00.90  -2.5
ASPA    29.25 240 iPd     13 02.60  -1.5
        0.5s     21.10nm          5.0mb
TOO     30.39 206 iPd     13 14.50   0.4
        1.0s    255.00nm          5.9mb
URZ     30.86 156 eP      13 18.80   0.7
PUZ     31.18 154 eP      13 19.80  -1.2
BFD     31.41 210 iPc     13 23.00   0.0
        1.0s     89.00nm          5.5mb
NOZ     31.55 155 eP      13 23.50  -0.6
ADE     31.84 217 eP      13 26.50  -0.4
        1.4s    372.09nm          6.0mb
DIW     31.98 162 eP      13 28.50   0.6
KNA     32.18 257 eP      13 31.00   1.0
MNG     32.31 160 eP      13 29.40  -1.5
KIW     32.35 161 eP      13 29.80  -1.3
TCW     32.46 162 eP      13 30.10  -2.0
MRW     32.61 161 eP      13 33.60   0.2
CAW     32.62 161 P       13 31.90  -1.6
MTW     32.81 160 eP      13 33.00  -2.1
BLW     32.98 160 P       13 36.50  -0.2
LTZ     33.36 165 eP      13 39.80  -0.2
WARB    36.29 240 eP      14 05.00  -0.2
        0.6s     42.00nm          5.5mb
BIP     39.73 297 eP      14 49.00  14.9X
CGP     41.21 296 eP      14 50.00   3.9X
PLP     42.23 300 eP      14 56.00   1.4
COOL    42.40 236 eP      14 55.50  -0.3
PCI     42.46 280 ePd     15 01.00   4.6X
        1.2s      6.30nm          4.3mb X
                  e       19 34.00
MEEK    43.34 242 eP      15 03.00  -0.6
MCO     43.76 182 P       15 07.30   0.8
BAL     45.96 238 eP      15 24.00  -0.4
MRWA    46.20 240 iPc     15 27.10   0.8
MUN     46.75 236 eP      15 31.50   0.9
AFR     47.70 104 iP      15 39.00   0.7
        0.9s     80.00nm          5.7mb
PAE     47.89 104 iP      15 39.90   0.1
        0.9s     75.00nm          5.7mb
PPT     47.89 104 iP      15 39.80   0.0
        0.9s     80.00nm          5.7mb
KKM     47.99 288 ePc     15 40.70   0.0
PPN     48.03 104 iP      15 40.20  -0.7
        0.9s     60.00nm          5.6mb
TVO     48.21 104 iP      15 42.60   0.3
        0.9s    185.00nm          6.1mb
TBI     48.40 112 iP      15 54.90  11.3X
        1.0s    195.00nm
BCP     48.54 303 eP      15 46.00   1.3
PMO     49.50 101 iP      15 53.50   1.3
        1.3s    275.00nm          6.1mb
VAH     49.75 101 iP      15 55.20   1.1
        1.3s    195.00nm          6.0mb
TPT     49.77 101 iP      15 55.40   1.1
        1.3s    205.00nm          6.0mb
RUV     49.99 101 iP      15 57.00   1.0
        1.3s    195.00nm          6.0mb
WKYJ    50.94 332 eP      16 02.70  -0.3
HON     50.97  51 P       16 10.00   6.8X
      Z  22s      1.73um          5.0MszX
CHJJ    51.06 337 P       16 03.10  -0.7
OPA     51.16  51 eP      16 04.28  -0.5
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TKSJ    51.47 331 P      16 06.80  -0.1
MAT     51.80 336 eP     16 08.00  -1.4
        0.8s    23.88nm             5.3mb
     Z  20s      2.13um             5.2Msz
                 eS      23 19.00
TSRJ    51.87 334 P      16 09.50  -0.4
KUMJ    51.96 327 eP     16 11.10   0.4
HKL     51.98  53 eP     16 10.62  -0.8
MTMJ    52.00 336 P      16 09.70  -1.3
NIIJ    52.10 337 P      16 11.00  -0.6
YAMJ    52.55 339 eP     16 14.70  -0.3
YONJ    52.73 331 eP     16 14.60  -1.8
OFUJ    52.81 341 P      16 15.90  -0.9
SHNJ    53.05 328 eP     16 17.90  -0.8
KUSJ    55.64 345 eP     16 34.70  -2.8X
SSE     56.70 318 Pd     16 45.00  -0.3
        1.2s    13.00nm             4.9mb
     Z  20s      1.40um             5.1Msz
                 pP      17 00.00  56kmX
                 eS      24 28.00
                 esS     24 52.00
KUR     56.97 349 eP     16 45.00  -2.0
     Z  18s      3.00um             5.4Msz
     N  18s      3.00um
     E  18s      2.40um
                 eS      24 35.00
ASAJ    57.14 344 eP     16 48.30   0.1
NJ2     58.84 318 eP     16 56.00  -4.3X
YSS     59.81 345 ePd    17 05.90  -0.8
        1.0s    30.00nm             5.4mb
     Z  19s      2.80um             5.4Msz
     N  19s      2.60um
     E  19s      0.70um
                 e       17 19.00
                 e       17 56.00
                 eS      25 09.00
WHN     61.03 314 Pd     17 15.70   0.4
        0.7s    90.00nm             6.0mb
     Z  24s      2.70um             5.3MszX
DL2     61.70 325 eP     17 19.40  -0.3
        0.8s    36.00nm             5.6mb
     Z  22s      0.92um             4.9Msz
IPM     62.02 281 ePd    17 22.00  -0.3
MDJ     62.12 335 eP     17 22.10  -0.3
        1.1s    54.00nm             5.6mb
     Z  36s      2.65um             5.1MszX
     N  20s      2.10um
     E  20s      2.39um
TIA     62.57 320 eP     17 24.70  -0.9
SNY     62.75 329 eP     17 25.40  -1.2
     Z  26s      4.05um             5.5MszX
     N  18s      1.43um
                 sS      26 10.00
CN2     63.32 332 P      17 30.00  -0.3
        1.0s    44.00nm             5.5mb
     Z  18s      1.86um             5.3Msz
     N  18s      1.36um
     E  18s      1.64um
                 epP     17 42.00  41kmX
SMY     64.07   9 P      17 40.00   4.9X
     Z  20s      2.60um             5.4Msz
GYA     64.74 306 P      17 40.80   0.7
ADK     65.10  15 eP     17 41.80   0.0
        0.9s    75.30nm             5.7mb
CSY     65.24 200 P      17 43.20   0.7
BJI     65.59 323 eP     17 44.50  -0.6
        1.5s    29.00nm             5.1mb
     Z  20s      1.81um             5.3Msz
                 epP     17 58.00  47kmX
                 esS     26 44.00
TIY     66.46 319 eP     17 50.40  -0.5
     Z  20s      2.00um             5.3Msz
     E  20s      2.74um
XAN     66.78 314 eP     17 52.00  -1.0
CHG     68.22 295 eP     18 01.90  -0.4
        1.1s    16.46nm             4.9mb
HHC     68.85 322 eP     18 05.60  -0.3
CD2     69.04 309 eP     18 05.40  -1.8
     Z  26s      2.24um             5.3MszX
BTO     69.66 321 eP     18 10.00  -0.8
     N  19s      1.43um
     E  18s      0.74um
                 ePP     20 40.00
                 eS      27 12.50
MGD     71.04 354 eP     18 29.00  10.3X
LZH     71.41 314 Pd     18 21.00  -0.6
        2.0s    53.00nm             5.1mb

     Z  32s      2.46um             5.3MszX
     E  19s      1.03um
                 ePP     21 00.00
SDN     73.07  22 eP     18 31.00   0.2
CIT     74.73 332 eP     18 41.50   0.9
GTA     75.78 315 eP     18 47.00   0.0
        1.5s    35.00nm             5.1mb
     Z  28s      2.97um             5.4MszX
                 S       28 18.00
YAK     76.57 345 iPd    18 51.30   0.6
        1.0s   106.00nm             5.8mb
                 e       19 07.00
                 i       21 52.00
                 iS      28 33.00
                 e       28 55.00
                 esS     29 08.00
                 eSSS    36 50.00
KDC     77.85  23 eP     18 58.60   0.8
BOD     78.38 336 eP     19 00.50  -0.3
        1.1s    18.00nm             5.0mb
LSA     78.59 303 eP     19 03.50   0.3
ZAK     79.00 326 eP     19 04.20  -0.1
        1.6s    35.00nm             5.0mb
                 e       19 21.20
                 eS      29 00.00
SVW     79.12  20 eP     19 05.80   0.9
        0.9s    62.20nm             5.5mb
SPA     79.40 180 iPc    19 07.10   0.6
        0.9s    24.55nm             5.1mb
IRK     79.47 328 eP     19 06.80  -0.1
        1.0s   169.00nm             5.9mb
                 e       19 22.00
                 e       29 03.00
                 e       29 52.00
ILT     79.65   8 iPc    19 08.00   0.5
        2.6s    76.00nm             5.2mb
     Z  20s      1.30um             5.3Msz
     N  20s      0.60um
     E  20s      0.60um
                 i       19 25.00
                 e       22 17.00
                 eS      29 04.00
                 e       29 26.00
                 eSS     34 12.00
REF     79.68  21 eP     19 07.14  -0.9
TTA     80.34  18 eP     19 12.70   1.3
        0.9s    29.80nm             5.2mb
SLKM    80.59  22 ePd    19 12.99   0.3
MDY     80.92 327 eP     19 15.00   0.5
PMR     81.71  22 eP     19 20.40   2.0
GUN     82.46 300 P      19 23.00  -0.6
PKI     82.76 300 P      19 23.60  -1.5
KLU     82.83  23 eP     19 25.96   1.5
KKN     82.93 300 P      19 24.60  -1.3
DMN     83.03 300 P      19 25.60  -0.8
TOA     83.11  22 eP     19 27.00   1.1
IMA     83.32  17 eP     19 28.50   1.5
        1.1s    21.70nm             5.1mb
MAW     83.47 202 P      19 28.79   1.3
GKN     83.54 300 P      19 27.40  -1.5
BALM    83.95  24 eP     19 29.84  -0.3
FBA     84.33  19 eP     19 31.40  -0.4
TIK     84.94 350 iPd    19 34.50  -0.2
        1.8s    33.00nm             5.1mb
     Z  18s      1.00um             5.2Msz
                 e       19 40.00
                 e       22 50.00
SIT     84.96  29 P      19 50.00  14.9X
     Z  20s      1.84um             5.5Msz
WMQ     85.85 316 eP     19 39.50  -0.5
     Z  28s      1.55um             5.3MszX
     N  40s      8.82um
                 pP      19 56.00  58kmX
KOD     86.04 281 eP     19 44.80   3.1X
ARN     86.29  51 ePc    19 42.44   0.2
ORV     86.93  49 eP     19 45.42   0.2
                 (pP)    20 03.25  63kmX
BMW     87.76  42 ePd    19 50.98   1.8
MCW     88.69  40 eP     19 53.60   0.1
RMW     88.98  41 eP     19 55.02   0.0
                 epP     20 13.21  65kmX
TNP     89.78  51 eP     19 59.38   0.2
        0.8s    14.88nm             5.3mb
PNT     90.90  40 eP     20 04.00   0.2
        1.0s    19.00nm             5.4mb
PRZ     92.04 313 eP     20 12.00   2.6
KSH     93.22 309 P      20 18.00   3.2X

     Z  20s      1.20um             5.3Msz
                 S       31 07.00
MSU     93.75  52 eP     20 19.00   1.5
HVU     93.90  48 eP     20 18.62   0.6
BW06    96.42  48 eP     20 29.00  -0.6
SES     96.55  40 eP     20 31.00   1.3
YKA     96.59  28 eP     20 28.20  -1.4
        0.6s     2.80nm             5.0mb
MBC     97.73  14 eP     20 39.00   4.5X
CCM    110.11  53 PKP    25 40.00   7.7X
     Z  22s      0.78um             5.2Msz
FVM    110.76  53 PKP    25 40.00   6.4X
     Z  21s      2.96um             5.8Msz
SLM    110.88  53 PKP    25 40.00   6.3X
     Z  21s      1.23um             5.4Msz
CEH    120.00  55 PKP    26 00.00   8.8X
     Z  22s      0.86um             5.3Msz
RSNY   121.46  44 PKP    26 00.00   6.2X
     Z  19s      0.54um             5.2Msz
CNCB   124.03 119 PKP    26 00.00  -0.2
LPB    124.04 118 ePKP   26 03.00   2.9X
                 LR      06 10.00
ZOBO   124.12 118 iPKP   26 00.20  -0.3
     Z  24s      0.44um             5.0MszX
                 LR      06 06.00
KRI    125.09 241 iPKPc  26 17.00  15.3X
NB2    125.16 343 PKP    26 07.20   6.7X
        0.7s     0.90nm
CCH    125.35 120 (PKP)  25 59.00  -3.4X
LMN    127.35  39 ePKP   26 05.00  -0.1
SIV    130.28 122 ePKP   26 11.00  -0.6X
GZR    130.58 322 ePKPd  26 02.00  -9.4X
BRG    131.87 333 e(PKP)26 30.50  17.0X
                 e       26 41.50
ZST    132.14 328 ePKP   26 15.20   1.1
KHC    133.26 331 ePKP   26 35.50  19.2X
     Z  24s      2.70um             5.9MszX
     N  24s      1.80um
     E  26s      1.70um
                 Sn      31 03.00
GEC2   133.40 331 PKP    26 15.40  -1.3
        0.6s     0.30nm
PPD    134.30 135 ePKP   26 13.50  -5.6X
KBA    134.79 329 ePKP   26 19.00  -0.5
BAO    140.86 131 PKPc   26 33.00   1.5
BCAO   142.73 263 iPKPc  26 30.50  -4.3X
        0.5s    15.00nm
                 i       26 35.40
                 i       29 07.50
EGRA   144.76 336 ePKP   26 21.50 -15.8X
EMON   145.92 345 ePKP   26 41.50   2.2
STS    146.74 347 ePKP   26 47.50   6.9X
ERUA   146.85 344 ePKP   26 45.90   5.1X
GUD    147.54 339 ePKP   26 44.00   1.9
EVIA   148.66 335 ePKP   26 47.50   3.5X
EPLA   148.70 341 ePKP   26 53.00   9.1X
EALH   148.85 333 ePKP   26 47.50   3.3X
PDCR   149.21 138 ePKP   26 45.10  -0.2
                 e       26 50.20
                 e       27 06.70
EHUE   149.40 335 ePKP   26 51.50   6.4X
ENIJ   149.94 333 ePKP   26 54.00   8.1X
ELUQ   150.29 337 ePKP   26 58.00  11.6X
EHOR   150.43 338 ePKP   26 59.90  13.4X
EGUA   150.64 335 ePKP   26 59.00  12.1X
MAL    151.07 336 iPKPc  26 54.00   6.5X
EPRU   151.18 337 ePKP   27 04.50  16.8X
EJIF   151.73 337 ePKP   27 07.00  18.5X
ITR    152.37 134 ePKP   26 55.30   5.2X
NKM    152.58 336 ePKP   26 41.00  -8.8X
                 i       27 12.00
       S.D. = 1.0  on 141 of 189 obs.
```

• JUN 29, 1992 00h 29m 45.11± 1.21s
49.485 N ± 7.9km 21.415 E ±11.3km
DEPTH = 10.0km (geophysicist)
POLAND (548)

ML 4.2 (WAR), 3.7 (BRA). Felt at Krynica Gorska. Also felt at Bordejov, Cigelka, Fricka, Hrabske, Kurov, Lukov and Petrovo, Czechoslovakia.

```
OJC      1.28 306 eP     30 10.10   1.3
                 iS      30 24.80
PSZ      1.86 213 ePnd   30 59.30  41.9X
CEI      1.93 159 eP     30 30.00  11.7X
```

29d 00h

RAC 2.17 287 ePg 30 25.00 3.2X
0.7s 0.32nm
i 30 25.30
iSg 30 49.00
i 30 51.50
i 30 53.50
BUD 2.56 219 ePn 30 28.00 0.7
SRO 2.65 232 iPnd 30 34.30 5.7X
i 30 35.90
i(Sn) 31 08.50
i 31 11.00
Lg 31 12.00
ZST 3.13 247 iPnd 30 34.90 -0.4
iSg 30 44.70
iSn 31 10.40
KSP 3.56 294 ePn 30 43.10 1.6
VKA 3.58 252 iPnd 30 41.40 -0.4
i 31 28.40
MDB 3.90 148 ePc 31 06.00 19.7X
PRU 4.49 279 eP 30 54.80 0.2
0.9s 51.00nm
Pg 31 07.90
Sg 32 02.80
e 32 08.50
e 36 02.50
BRG 5.00 289 iPg 31 17.00 15.1X
i 32 01.00
iSg 32 18.00
VRI 5.09 133 ePc 31 30.50 27.3X
KHC 5.14 269 Pn 31 03.50 -0.4
1.2s 48.00nm 5.0mb X
Pg 31 25.50
Sg 32 28.50
PTJ 5.14 228 eP 31 04.00 0.0
CLL 5.68 292 e(Pg) 31 34.00 22.4X
eSg 32 46.00
KBA 5.90 249 iPd 31 14.60 -0.2
0.4s 7.60nm 4.8mb X
i 31 24.30
MOX 6.42 284 ePn 31 21.00 -0.9
ePg 31 46.00
eSg 33 07.00
GRF 6.63 276 e(Pn)c31 24.80 -0.2
ePg 31 47.00
e(Sg) 33 10.80
NUR 11.20 8 eP 32 28.80 0.7
HFS 11.55 340 eP 32 30.60 -2.3
0.3s 1.40nm 4.8mb X
Z 16s 0.13um 5.0Msz
LR 37 01.00
KAF 12.95 10 eP 32 52.00 0.4
S.D. = 1.0 on 14 of 22 obs.

? JUN 29, 1992 00h 34m 51.11± 3.10s
49.475 N ±11.6km 21.678 E ±28.2km
DEPTH = 10.0km (geophysicist)
POLAND (548)
ML 3.6 (WAR), 3.2 (BRA). Felt at
Krynica Gorska. Also felt at
Bordejov, Czechoslovakia.

OJC 1.43 302 eP 35 17.80 0.8
iS 35 32.70
PSZ 1.95 218 ePnd 35 26.30 1.6
RAC 2.34 286 ePg 35 32.00 1.8
0.7s 0.15nm
i 35 33.00
eSg 35 57.00
i 36 01.00
BUD 2.66 223 ePn 35 41.00 6.2X
SRO 2.78 235 ePn 35 42.30 5.8X
i 35 44.00
e 36 15.30
i 36 17.50
Lg 36 19.00
ZST 3.28 249 iPnd 35 42.90 -0.7
iPg 35 52.90
iSn 36 18.50
KSP 3.72 294 ePn 35 50.70 0.8
KSP 3.72 294 iP 35 52.40 2.5X
iPg 35 57.50
iS 36 41.60
VKA 3.74 253 ePn 35 49.00 -1.1
e 36 39.00
PRU 4.66 279 Pg 36 13.40 10.3X
1.0s 16.60nm
Sg 37 10.50
BRG 5.16 289 iPg 36 25.00 14.8X
i 37 10.00
iSg 37 26.00
KHC 5.31 269 Pn 36 11.20 -1.2
Pg 36 28.00
Sg 37 36.00
CLL 5.84 292 e(Pg) 36 43.00 23.2X
eSg 37 55.00
KBA 6.06 250 iPc 36 22.00 -1.0
0.4s 3.30nm 4.4mb X
i 36 23.80
GRF 6.80 276 ePg 36 57.10 23.7X
e(Sn) 37 51.00
eSg 38 17.00
HFS 11.62 340 eP 37 38.80 -1.0
0.3s 2.00nm 4.9mb X
S.D. = 1.4 on 9 of 16 obs.

& JUN 29, 1992 01h 12m 56.52s
37.733 N 113.173 W
DEPTH = 3.1km
UTAH (478)
<SLC-P>. ML 3.8 (SLC), 3.2 (GS).
Felt at Cedar City.

ARUT 0.22 285 iPc 13 01.05 0.1
MSU 1.11 45 iPc 13 18.00 -0.1
DUG 2.47 6 ePn 13 37.18 -1.3
ePg 13 41.50
iS 14 15.79
SRU 2.49 56 ePn 13 39.70 0.8
iPg 13 42.89
SCN 2.70 150 P 13 45.00 3.1
EMUT 2.78 41 ePn 13 43.96 1.0
eS 14 23.99
DAU 3.06 29 (Pn) 13 45.87 -1.2
ePg 13 54.99
TNP 3.22 277 ePn 13 47.13 -2.0
iPg 13 56.62
PV10 3.33 78 ePn 13 50.50 -0.3
iPg 13 54.79
HVU 4.05 4 eP 13 59.49 -1.4
BONR 4.07 275 ePn 14 00.28 -1.0
ePg 14 12.17
eS 15 06.49
KVN 4.09 290 ePn 14 00.76 -0.7
iPg 14 11.32
eS 15 04.39
ORV 6.77 288 (Pn) 14 34.00 -5.2
ePg 15 01.18
eS 16 28.45
13 obs. associated

& JUN 29, 1992 01h 18m 13.40s
35.160 N 117.362 W
DEPTH = 4.2km
4.5mb (3 obs.)
CENTRAL CALIFORNIA (39)
<PAS-P>. MD 4.7 (PAS).

SSK 0.99 196 iP 18 31.46 -1.3
PEC 1.28 172 iPd 18 36.47 -1.2
PLM 1.85 167 eP 18 46.21 -0.1
BCH 2.23 271 ePn 18 50.04 -1.7
PKEM 2.41 293 ePn 18 53.51 -0.8
iS 19 30.69
PHAM 2.57 286 ePn 18 54.94 -1.5
BONR 2.89 345 iP 19 00.24 -1.1
TNP 2.92 2 iP 18 59.90 -1.8
KVN 3.93 352 ePn 19 14.38 -1.6
ARN 4.02 304 ePn 19 14.92 -2.1
MSU 5.34 50 ePn 19 36.85 0.8
ORV 5.49 324 ePn 19 35.76 -2.1
LBFM 7.13 331 ePn 19 59.36 -1.8
HVU 7.52 27 ePn 20 05.61 -1.1
SHW 11.62 343 ePn 21 01.33 -1.8
LON 12.05 345 eP 21 10.44 1.5
RMW 12.73 346 (P) 21 18.79 0.8
SES 15.91 15 eP 22 00.00 0.4
ULM 21.72 39 eP 23 07.50 0.1
YKA 27.41 3 eP 24 02.40 0.8
1.0s 1.30nm 3.6mb
PMR 33.22 333 (P) 24 50.92 -2.2
0.5s 4.08nm 4.6mb
FBA 34.93 338 eP 25 07.61 -0.3
1.2s 21.90nm 4.9mb
MBC 41.18 359 eP 26 01.00 1.0
23 obs. associated

& JUN 29, 1992 01h 23m 36.43s
37.735 N 113.171 W
DEPTH = 2.1km
UTAH (478)
<SLC-P>. MD 2.5 (SLC). Felt at
Cedar City.

MSU 1.11 45 eP 23 57.50 -0.6
EMUT 2.77 41 eP 24 27.19 4.2
2 obs. associated

& JUN 29, 1992 01h 25m 14.72s
37.737 N 113.171 W
DEPTH = 3.2km
UTAH (478)
<SLC-P>. MD 3.0 (SLC). Felt at
Cedar City.

MSU 1.10 45 eP 25 35.00 -1.2
1 obs. associated

& JUN 29, 1992 01h 26m 15.58s
35.161 N 117.350 W
DEPTH = 6.0km (geophysicist)
CENTRAL CALIFORNIA (39)
<PAS-P>. ML 4.1 (PAS), 3.7 (GS).

SSK 0.99 197 iPd 26 33.72 -1.1
PEC 1.28 173 iPd 26 38.73 -0.9
eS 26 56.27
ABL 1.57 259 ePn 26 43.27 -0.9
iPg 26 44.81
iS 27 05.49
BCH 2.24 271 ePn 26 51.98 -1.9
iP* 26 54.40
ePg 26 56.95
eS 27 26.58
PHAM 2.58 286 ePn 26 57.06 -1.5
iPg 27 02.04
BONR 2.89 345 ePn 27 02.61 -0.7
iPg 27 09.55
TNP 2.92 2 eP 26 55.94 -7.6
KVN 3.93 351 iPnc 27 16.88 -1.0
iPg 27 32.15
ARN 4.02 304 ePn 27 17.03 -2.1
iPg 27 23.31
eS 28 22.64
SES 15.90 15 eP 30 02.00 0.5
10 obs. associated

& JUN 29, 1992 01h 54m 06.09s
37.715 N 113.179 W
DEPTH = 3.6km
UTAH (478)
<SLC-P>. MD 2.3 (SLC).

ARUT 0.22 289 iPc 54 10.64 0.1
MSU 1.12 45 iP 54 27.69 -0.2
eS 54 43.21
DUG 2.49 6 iPg 54 50.81 2.5
SRU 2.51 55 iP 54 52.61 4.0
eS 55 24.74
DAU 3.08 28 ePg 55 04.46 7.7
TNP 3.22 278 ePg 55 06.42 7.8
eS 55 46.26
6 obs. associated

& JUN 29, 1992 01h 58m 08.84s
34.488 N 116.540 W
DEPTH = 5.5km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.1 (GS).

PEC 0.79 221 iPd 58 23.00 -1.6
SSK 0.99 254 iPd 58 27.00 -1.2
eS 58 39.82
ABL 2.24 280 ePn 58 44.16 -3.1
iPg 58 48.76
eS 59 20.15
BCH 3.00 284 ePn 58 55.30 -2.6
ePg 59 02.27
eS 59 42.88
PKEM 3.32 299 eP 59 04.45 2.1
PHAM 3.44 294 eP 59 01.06 -3.0
TNP 3.63 352 eP 59 04.94 -2.1

BONR 3.74 338 eP 59 09.72 1.0
ARN 4.96 307 eP 59 21.90 -3.8
ORV 6.43 323 eP 59 45.50 -0.9
SRU 6.68 45 ePn 59 48.82 -1.3
iPg 59 52.27
11 obs. associated

& JUN 29, 1992 01h 59m 06.00s
37.736 N 113.171 W
DEPTH = 1.4km
3.6mb (1 obs.)
UTAH (478)
<SLC-P>. ML 4.1 (SLC), 3.5 (GS).
Felt at Cedar City.

MSU 1.10 45 iPd 59 27.31 -0.4
DUG 2.47 6 ePn 59 46.66 -1.5
iPg 59 50.65
eS 00 25.68
SCN 2.70 150 P 59 55.00 3.4
EMUT 2.77 41 ePn 59 53.54 0.9
ePg 59 56.33
eS 00 33.37
DAU 3.06 29 (Pn) 59 57.30 0.6
eP* 00 01.69
iPg 00 04.60
S 00 45.62
PV10 3.32 78 eP 00 01.00 0.6
HVU 4.05 4 ePn 00 08.81 -1.8
eS 01 17.23
KVN 4.09 290 (Pn) 00 12.17 1.0
ePg 00 20.78
eS 01 12.99
BW06 5.74 28 ePn 00 35.00 0.3
RSSD 9.40 44 ePn 01 23.29 -2.5
YKA 24.80 358 eP 04 28.20 -2.2
0.9s 1.10nm 3.6mb
11 obs. associated

? JUN 29, 1992 02h 00m 20.80±12.19s
19.026 N ±30.6km 64.979 W ±98.9km
DEPTH = 10.0km (geophysicist)
VIRGIN ISLANDS (91)

LPR 1.11 230 iP 00 41.80 0.2
CPD 1.32 222 iP 00 45.00 -0.3
SJG 1.44 231 iP 00 47.00 0.1
APR 1.75 251 P 00 41.80 -9.6X
CLLP 1.78 238 iP 00 52.20 0.4
S 01 19.20
PORP 1.85 239 iP 00 53.00 0.2
LRS 1.91 248 iP 00 54.00 0.2
MGP 2.24 244 iP 00 57.70 -0.8
S.D. = 0.5 on 7 of 8 obs.

& JUN 29, 1992 02h 07m 35.15s
37.774 N 113.222 W
DEPTH = 8.0km
UTAH (478)
<SLC-P>. MD 3.0 (SLC).

ARUT 0.17 275 iPc 07 38.92 -0.1
1 obs. associated

JUN 29, 1992 02h 25m 06.67± 0.68s
11.770 N ± 5.9km 87.507 W ± 5.6km
DEPTH = 56.9 ± 6.8 km
4.8mb (40 obs.)
NEAR COAST OF NICARAGUA (74)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 37C
Centroid Location:
Origin Time 02:25: 6.7 0.8
Lat 11.24N 0.07 Lon 87.78W 0.06
Dep 15.0 FIX Half-duration 2.3
Moment Tensor; Scale 10**17 Nm
Mrr= 1.50 0.14 Mtt=-1.73 0.13
Mff= 0.23 0.25 Mrt= 0.11 0.26
Mrf=-1.02 0.20 Mtf= 0.53 0.10
Principal Axes:
T Val= 2.08 Plg=60 Azm= 95
N -0.17 29 291
P -1.91 7 197
Best Double Couple:Mo=2.0*10**17
NP1:Strike=259 Dip=46 Slip= 48
NP2: 131 58 125

JCR 3.03 129 eP 25 51.79 -1.5
SJS 3.85 118 eP 26 07.24 2.3
LCR2 3.99 120 eP 26 07.47 0.5
OCR 4.02 125 eP 26 06.33 -0.8
BUS 4.29 120 eP 26 11.20 -0.2
LIO 4.73 111 eP 26 16.34 -0.8
TPX 5.58 304 eP 26 28.00 -1.1
OXX 10.37 302 (P) 27 34.50 -1.1
IISM 11.92 308 (P) 27 53.30 -2.9
IIT 12.66 306 (P) 28 05.00 -1.4
ACX 13.00 294 eP 28 09.30 -1.3
III 13.28 301 iP 28 14.50 -0.1
UNM 13.53 305 (P) 28 17.70 -0.1
PSO 14.58 135 eP 28 35.00 3.3X
BMG 14.98 107 eP 28 36.00 -0.7
BOG 15.07 117 eP 28 43.50 5.4X
iS 31 49.50
MRX 15.35 303 iP 28 42.30 1.1
SDV 16.85 98 iPc 29 01.50 1.1
AGX 17.35 307 (P) 29 16.00 9.5X
TOV 17.51 95 ePc 29 10.40 1.8
CAR 20.23 92 iPd 29 36.00 -4.0X
e(S) 33 27.00
GUAN 21.54 93 iP 29 53.50 0.2
HBF 22.06 16 eP 29 57.27 -0.8
SGS 22.27 16 eP 30 01.61 1.4
CUM 22.94 91 iP 30 10.00 3.1X
PWLA 23.11 359 eP 30 08.87 0.4
JSC 23.12 13 eP 30 10.89 2.4
LHS 23.42 14 eP 30 13.49 2.1
OLY 23.90 352 (P) 30 15.53 -0.6
GBTN 23.98 7 eP 30 18.30 1.4
TKL 24.02 7 eP 30 18.62 1.3
VVO 24.62 344 eP 30 24.40 1.3
FNO 25.05 341 iPd 30 26.90 -0.2
TUL 25.18 344 iPc+ 30 28.60 0.3
1.5s 436.90nm 5.7mb
Z 20s 4.04um 4.9Msz
e 33 51.00
e 35 16.00
LR 38 33.00
CEH 25.19 16 eP 30 29.48 1.0
0.7s 68.46nm 5.3mb
Z 19s 4.82um 5.0Msz
TRN 25.63 90 eP 30 32.00 -0.7
NNA 25.87 155 iP 30 36.00 1.0
1.1s 39.24nm 4.8mb
i 30 47.00
eS 35 00.00
BLA 26.12 13 eP 30 38.38 1.2
0.8s 21.89nm 4.7mb
NAV 26.14 12 (P) 30 38.53 1.2
FVM 26.23 355 eP 30 37.13 -1.0
0.8s 12.80nm 4.5mb
CCM 26.39 353 eP 30 38.35 -1.2
1.0s 35.17nm 4.9mb
Z 21s 2.25um 4.7Msz
CVL 27.33 16 eP 30 48.59 0.5
CBN 27.84 17 eP 30 54.00 1.3
LVNJ 31.03 19 eP 31 21.72 0.6
TBR 31.50 19 eP 31 26.42 1.1
GLD 31.98 334 eP 31 29.00 -0.8
GOL 32.00 333 (P) 31 30.67 0.6
2.0s 68.48nm 5.1mb
ARE 32.21 150 eP 31 33.00 0.9
HRV 33.62 22 eP 31 45.33 1.6
1.4s 105.92nm 5.5mb
Z 19s 9.07um 5.5Msz
ZOBO 33.83 145 Pc 31 46.60 0.1
1.5s 31.18nm 5.0mb
Z 24s 3.40um 5.0MszX
S 37 14.00
LR 43 06.00
LPB 34.05 145 P 31 48.00 -0.2
Z 18s 7.56um 5.5Msz
LR 43 24.00
SRU 34.05 327 eP 31 48.76 1.0
CNCB 34.34 145 P 31 51.10 0.3
i 33 24.00
i 34 29.30
MSU 34.53 325 (P) 31 54.71 2.7
EMUT 34.72 328 eP 31 54.62 1.1
DAU 35.39 328 iPd 32 00.02 0.7
EEO 35.48 10 eP 32 01.00 1.3
CCH 35.84 144 eP 32 04.00 0.7
DUG 36.06 326 eP 32 08.12 3.3X
0.2s 0.59nm 4.2mb

HVU 37.17 328 iPc 32 15.45 1.3
SIV 38.01 136 P 32 22.00 0.7
PHAM 38.16 314 eP 32 26.54 4.2X
ULM 38.98 351 eP 32 29.00 0.0
ANT 39.02 155 eP 32 32.00 2.4
LMN 39.07 25 eP 32 32.50 2.7X
ARN 39.72 316 eP 32 38.35 3.0X
ORV 40.87 319 eP 32 49.03 4.3X
SES 43.09 338 eP 33 02.00 -0.8
DPW 44.21 330 (P) 33 12.85 0.9
LON 45.30 327 eP 33 21.49 0.8
PNT 45.89 331 eP 33 25.00 -0.2
1.0s 35.00nm 5.2mb
GMW 46.32 327 eP 33 30.08 1.5
FCC 47.16 355 eP 33 35.50 0.5
PEL 47.46 161 eP 33 38.40 0.6
1.2s 56.25nm 5.4mb
PPD 48.88 133 eP 33 48.20 -0.7
ITR 52.89 111 eP 34 14.50 -5.0X
e 34 22.30
e 35 31.50
e 35 37.80
LPA 54.23 150 eP- 34 36.00 7.1X
YKA 54.25 345 eP 34 26.70 -2.1
1.0s 8.30nm 4.7mb
SIT 58.06 332 P 35 10.00 13.9X
Z 19s 1.80um 5.2Msz
KLU 64.92 333 (P) 35 46.45 4.2X
PMR 66.39 333 P 36 10.00 18.5X
Z 21s 2.45um 5.4Msz
MBC 66.68 352 eP 35 52.50 -0.7
1.5s 49.00nm 5.3mb
FBA 67.02 336 eP 36 00.91 5.3X
1.3s 26.32nm 5.1mb
CPKM 67.70 332 eP 36 06.42 6.3X
HON 67.78 288 P 36 20.00 19.0X
Z 20s 0.71um 4.9Msz
SVW 69.24 331 (P) 36 15.52 6.0X
SDN 70.73 325 P 36 30.00 11.5X
Z 20s 2.38um 5.4Msz
TOL 77.57 52 eP 37 01.00 2.6X
eS 46 55.00
LPF 79.00 43 eP 37 02.60 -3.5X
1.4s 22.65nm 4.9mb
GRR 79.09 43 eP 37 03.40 -3.2X
1.4s 25.25nm 5.0mb
FLN 79.31 42 eP 37 04.60 -3.1X
1.2s 16.35nm 4.8mb
Z 21s 2.35um 5.5Msz
LDF 79.56 42 eP 37 07.30 -1.8
1.5s 28.75nm 5.0mb
ILT 79.64 337 eP 37 06.00 -3.1X
2.0s 36.00nm 5.0mb
Z 24s 1.50um 5.3MszX
N 24s 0.80um
eS 47 12.00
ePS 48 08.00
eSS 52 28.00
MFF 79.75 44 eP 37 08.40 -1.8
1.1s 7.55nm 4.5mb
ADK 80.34 321 eP 37 21.08 7.9X
1.2s 87.12nm 5.6mb
EPF 80.52 48 eP 37 13.10 -1.3
1.4s 18.30nm 4.8mb
LFF 80.56 46 eP 37 12.90 -1.6
1.4s 25.25nm 5.0mb
LPO 80.91 46 eP 37 14.70 -1.7
1.5s 25.05nm 4.9mb
EBR 80.92 50 eP 37 16.00 -0.4
LSF 80.95 45 eP 37 14.50 -2.0
1.3s 7.95nm 4.5mb
RJF 81.06 46 eP 37 15.40 -1.7
1.5s 26.10nm 4.9mb
TCF 81.41 45 eP 37 17.00 -2.0
1.3s 8.30nm 4.5mb
CAF 81.50 46 eP 37 17.80 -1.7
1.5s 21.40nm 4.9mb
MAF 81.66 45 eP 37 18.40 -1.9
1.3s 9.75nm 4.6mb
BGF 81.81 44 eP 37 19.00 -2.0
1.4s 13.05nm 4.7mb
AVF 82.12 44 eP 37 20.30 -2.3
SSF 82.18 44 eP 37 20.80 -2.1
1.3s 8.30nm 4.6mb
LOR 82.39 43 eP 37 22.00 -2.0
1.4s 12.20nm 4.7mb
Z 23s 2.35um 5.5MszX

29d 02h

DOU 82.42 40 P 37 23.00 -1.1
S 47 46.00
SS 53 21.00
SMF 82.47 44 eP 37 22.20 -2.3
LBF 82.51 44 eP 37 22.60 -2.1
ENN 83.15 40 eP 37 29.00 1.2
1.0s 5.00nm 4.5mb
WTS 83.47 38 eP 37 31.50 2.1
0.8s 5.00nm 4.6mb
WLF 83.49 41 P 37 31.00 1.5
HAU 83.92 42 eP 37 30.20 -1.7
Z 22s 1.80um 5.4Msz
NB2 83.99 29 P 37 31.60 -0.3
1.1s 3.80nm 4.3mb
BSF 84.24 42 eP 37 31.70 -1.9
1.3s 9.75nm 4.7mb
LPL 84.65 45 eP 37 35.20 -0.6
LPG 84.67 45 eP 37 35.10 -0.9
1.5s 11.50nm 4.7mb
GRF 86.70 40 eP 37 47.00 1.4
Z 21s 2.40um 5.6Msz
MOX 86.71 39 eP 37 47.20 1.6
1.5s 17.00nm 5.0mb
Z 21s 1.40um 5.3Msz
N 20s 1.20um
S 48 19.00
SP 49 25.00
CLL 87.38 38 eP 37 50.00 1.1
e(S) 48 18.00
KHC 88.33 40 eP 37 53.00 -0.5
Z 20s 2.20um 5.6Msz
E 20s 1.60um
eS 48 26.00
GEC2 88.49 40 PKP 37 52.90 -1.5
1.2s 2.46nm 4.3mb
PRU 88.69 39 eP 38 00.00 4.8X
Z 21s 5.00um 5.9Msz
N 20s 0.70um
E 21s 1.50um
eS 48 32.00
e 49 42.00
TRI 89.40 43 eP 37 58.00 -0.6
e 49 52.00
ZST 90.84 40 eP 38 07.70 2.5X
SEY 92.56 337 eP 38 13.00 0.1
e 48 46.00
PET 94.45 326 eP 38 18.00 -3.7X
Z 20s 0.90um 5.2Msz
e 51 00.00
MGD 94.72 335 eP 38 18.00 -4.9X
e 42 10.00
OBN 98.61 29 (P) 38 46.00 5.4X
Z 18s 1.60um 5.6Msz
N 18s 0.50um
E 18s 1.00um
e 42 40.00
e 49 18.00
ePS 51 44.00
ePPS 52 24.00
(SSS) 57 05.00
KIS 98.62 38 eP 38 40.00 -0.7
Z 18s 1.20um 5.4Msz
e 42 49.00
iS 49 20.00
iPS 51 34.00
ELT 115.02 4 ePKP 43 37.80 -5.0X
eSKS 50 32.00
ePS 54 24.00
MAIO 122.96 32 ePKP 43 50.00 -8.6X
HHC 124.75 342 PKP 44 08.00 6.0X
TIY 127.34 340 ePKP 44 09.80 2.7
Z 20s 0.50um 5.2Msz
GTA 128.63 353 ePKP 44 11.00 1.4
Z 28s 1.61um 5.6MszX
SSE 129.25 328 PKP 44 10.30 -0.5
LZH 131.21 348 ePKP 44 20.00 5.4X
Z 27s 1.43um 5.5MszX
E 20s 1.03um
PP 46 36.00
eSKKS 53 20.00
QUE 131.58 30 ePKP 44 18.10 2.6X
NDI 137.16 20 ePKP 44 21.80 -4.1X
LSA 138.75 2 ePKP 44 31.00 1.6
WB2 139.01 253 ePKP 44 25.60 -3.9X
0.7s 2.00nm
GKN 139.74 11 PKP 44 32.00 1.1
GUN 140.04 9 PKP 44 28.40 -3.3X
KKN 140.06 10 PKP 44 31.20 -0.3
DMN 140.21 10 PKP 44 31.60 -0.2
PKI 140.30 10 PKP 44 31.60 -0.5
CGP 142.20 301 ePKP 44 36.50 1.1
HYB 147.90 26 ePKP 44 47.00 2.2
CHG 148.95 348 ePKP 44 51.60 5.1X
1.5s 120.83nm
BDT 150.46 347 ePKP 44 54.00 5.3X
1.2s 94.80nm
S.D. = 1.4 on 111 of 152 obs.

? JUN 29, 1992 02h 47m 30.01± 2.07s
34.383 S ±25.0km 70.727 W ±18.0km
DEPTH = 90.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)

CACH 0.29 22 iPc 47 43.70 0.0
iS 47 55.60
CHCH 0.45 8 iP 47 44.60 -0.1
iS 47 57.20
LNV 0.71 307 iPc 47 46.80 0.0
iS 48 00.60
TACH 0.75 346 iPc 47 47.30 0.0
iS 48 01.80
PCH 0.78 13 iPd 47 47.90 0.2
iS 48 02.00
FCH 1.11 19 iPc 47 51.60 -0.1
iS 48 09.30
PEL 1.24 2 iPc 47 52.80 -0.1
iS 48 11.20
S.D. = 0.1 on 7 of 7 obs.

& JUN 29, 1992 02h 51m 24.13s
34.237 N 116.448 W
DEPTH = 6.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.4 (PAS). ML 3.3
(GS).

PEC 0.68 240 iPd 51 36.60 -1.2
PLM 0.95 201 iPd 51 41.38 -1.3
SSK 1.03 269 eP 51 42.88 -1.2
ABL 2.37 286 eP 52 03.25 -1.1
S 52 37.59
TPNV 2.71 3 eP 52 09.26 0.1
S 52 46.34
BCH 3.14 289 eP 52 14.12 -1.1
S 52 56.29
PHAM 3.61 297 (P) 52 22.93 1.1
ARUT 4.30 34 eP 52 29.82 -1.9
ARN 5.17 308 eP 52 39.04 -4.9
9 obs. associated

JUN 29, 1992 02h 54m 03.30± 0.36s
24.930 S ± 7.3km 68.187 W ± 7.7km
DEPTH = 113.4km (4 depth phases)
5.0mb (14 obs.)
CHILE-ARGENTINA BORDER REGION (127)

ANT 2.37 300 iPd- 54 39.80 -1.9
iS 55 05.50
ZON 6.61 184 eP 55 35.00 -4.4X
CNCB 8.08 1 iPc 56 00.00 0.0
LPB 8.36 1 iPc 56 03.30 -0.3
1.0s 250.00nm 5.8mb
PEL 8.47 194 eP 55 58.00 -6.8X
ZOBO 8.60 0 iPc 56 06.00 -1.1
IHA 8.61 200 eP 55 58.00 -8.6X
i 56 09.00
e(S) 57 45.00
ARE 8.97 339 eP 56 08.00 -3.8X
iS 57 42.50
SIV 11.11 38 P 56 37.60 -2.5X
NNA 15.26 326 iP 57 38.00 4.1X
1.0s 32.00nm 4.5mb
eS 01 09.50
PPD 15.75 83 eP 57 39.50 -0.5
e 57 42.60
VAO 19.49 89 eP 58 22.80 -1.2
e 58 25.70 11kmX
BAO 21.06 68 Pc 58 39.00 -1.0
PDCR 30.08 71 eP 00 03.40 -0.7
ITR 32.60 66 eP 00 23.50 -2.6X
e 00 24.90 5kmX
SDV 33.69 356 iPc 00 34.30 -1.5
SPA 65.22 180 iPd 04 34.30 -0.2
1.0s 15.00nm 4.9mb
VVO 65.37 335 ePc 04 34.60 -0.9
TUL 65.90 336 iPc 04 38.00 -0.9
1.0s 38.10nm 5.3mb
KDS 66.09 62 iP 04 45.50 5.0X
LIC 68.75 72 P 04 57.20 -0.1
TIC 68.97 72 P 04 58.70 0.1
LMN 70.51 3 eP 05 09.00 1.7
EEO 71.91 352 eP 05 17.00 1.3
WIN 76.77 109 eP 05 44.00 -0.5
1.0s 15.00nm 4.7mb
Z 22s 1.48um 5.3Msz
ULM 78.77 342 eP 05 56.00 1.5
BLF 81.82 118 iPd 06 10.50 -1.0
0.7s 20.00nm 5.0mb
SEK 83.29 118 iPd 06 20.50 1.4
1.0s 30.00nm 5.2mb
PRY 83.75 117 iPd 06 21.60 0.2
0.7s 5.00nm 4.5mb
SES 84.04 334 ePd 06 22.00 -0.1
pP 06 52.00 116km
EVAL 84.82 44 iPc 06 28.00 1.8
SLR 84.91 116 iPd 06 25.70 -1.5
0.8s 18.66nm 5.0mb
Z 18s 2.06um 5.6Msz
FCC 86.11 347 eP 06 34.00 1.9
ELUQ 86.40 46 eP 06 35.50 1.4
PNT 86.93 329 eP 06 37.00 0.6
0.9s 21.00nm 5.1mb
TOL 87.88 44 eP 06 42.50 1.4
PGC 88.32 327 eP 06 43.00 0.1
BCAO 88.88 85 iPc 06 49.00 2.5X
0.9s 14.00nm 5.1mb
i 07 17.10 106km
CSY 89.07 179 eP 06 46.50 0.1
0.7s 14.30nm 5.2mb
i 07 16.70 115km
KRI 89.85 108 iPd 06 41.40 -9.8X
0.5s 0.80nm 4.1mb
i 07 11.90 116km
YKA 94.63 340 eP 07 11.60 -0.3
0.8s 11.20nm 5.3mb
ASPA 127.16 206 iPKPd 12 55.10 -1.3
0.6s 11.70nm
WB2 130.30 208 ePKP 13 01.30 -1.1
0.9s 10.40nm
WRA 130.30 208 PKP 13 02.30 -0.1
0.9s 6.20nm
KSH 146.63 55 PKP 13 33.60 2.0X
Z 20s 2.49um 6.0Msz
KUSJ 147.54 312 ePKP 13 32.40 -0.3
HYB 148.16 97 ePKP 13 38.00 3.5X
ASAJ 148.46 315 ePKP 13 37.30 3.1X
HOOJ 148.79 312 ePKP 13 38.60 3.9X
NDI 148.96 75 iPKP 13 35.80 0.3
IRK 152.11 10 ePKP 13 41.00 1.5
1.3s 12.00nm
Z 18s 0.75um 5.5Msz
e 13 47.00
e 13 57.20
LR 28 46.00
WMO 152.75 40 ePKP 13 43.80 3.1X
Z 16s 1.40um 5.9MszX
MAT 154.61 303 ePKP 13 52.00 8.6X
1.0s 10.00nm
MDJ 155.62 328 ePKP 13 44.00 -0.5
GTA 162.37 32 ePKP 13 53.50 1.0
Z 16s 1.43um
TIY 167.25 358 ePKP 13 57.60 0.9
Z 20s 1.13um
E 20s 2.00um
S.D. = 1.1 on 40 of 56 obs.

& JUN 29, 1992 03h 01m 56.38s
34.239 N 116.443 W
DEPTH = 7.5km
3.8mb (1 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.4 (PAS), 4.1 (GS).

PEC 0.69 240 iPd 02 09.00 -1.2
PLM 0.95 202 iPd 02 13.77 -1.1
SSK 1.04 269 iPd 02 15.43 -0.9
ABL 2.37 286 eP 02 34.34 -2.1
TPNV 2.71 3 ePn 02 40.09 -1.1
Pg 02 47.71
S 03 21.48
BCH 3.14 288 ePn 02 44.87 -2.4

```
                   S       03 32.89
PKEM     3.51 302 eP       02 50.66   -1.8
                   S       03 48.66
PHAM     3.62 297 eP       02 52.52   -1.4
TNP      3.89 351 ePn      02 56.80   -1.2
                   Pg      03 07.46
                   S       03 57.58
BONR     4.00 338 ePn      02 58.60   -1.1
                   Pg      03 10.43
ARUT     4.30  34 iPnd     03 02.17   -1.6
                   Pg      03 16.25
KVN      4.98 345 (P)      03 14.74    1.2
ARN      5.17 308 eP       03 13.32   -2.7
                   eS      04 33.61
MSU      5.48  38 ePnc     03 19.24   -1.4
DUG      6.61  25 (Pn)     03 34.25   -2.2
                   S       05 22.87
ORV      6.68 324 (P)      03 38.34    1.1
                   S       05 17.76
SRU      6.80  43 ePn      03 38.32   -0.8
EMUT     7.16  37 ePn      03 44.14    0.0
DAU      7.42  32 eP       03 48.25    0.4
HVU      8.06  20 eP       03 55.07   -1.7
IMA     38.70 337 (P)      09 23.74    1.4
         0.8s     1.86nm              3.8mb
         21 obs. associated
-----------------------------------------
   JUN 29, 1992  03h 05m 10.58± 1.56s
   49.497 N ± 8.3km    7.872 W ±15.8km
    DEPTH =  10.0km  (geophysicist)
  NORTH ATLANTIC OCEAN               (402)
       ML 3.2 (BGS), 3.1 (LDG).

CPZ      1.62  65 ePn      05 40.10    0.8
CME      1.86  68 ePn      05 43.80    1.0
ECP      2.85  19 eP       05 57.40    0.5
                   eS      06 27.50
ECB      2.95  13 eP       05 59.20    0.8
                   eS      06 30.70
ETA      3.37  17 eP       06 04.40    0.1
                   eS      06 40.20
DCN      3.87   5 eP       06 12.20    0.8
                   eS      06 55.00
DLF      3.90  12 eP       06 11.70    0.0
                   eS      06 53.50
DMU      4.45   7 eP       06 17.00   -2.6
                   e       07 07.00
LPF      4.75 105 Pn       06 24.80    0.9
                   Sn      07 12.80
                   Sg      07 35.50
GRR      4.75 101 Pn       06 24.60    0.7
                   Sn      07 12.80
                   Sg      07 35.60
FLN      4.91  96 Pn       06 26.80    0.7
                   Sn      07 16.50
LDF      5.18  97 Pn       06 30.30    0.4
                   Sn      07 21.30
MFF      5.93 116 Pn       06 41.60    1.1
LSF      7.11 114 Pn       06 57.10    0.0
                   Sn      08 08.50
LFF      7.43 125 Pn       07 02.80    1.3
TCF      7.50 112 Pn       07 02.10   -0.5
                   Sn      08 17.60
RJF      7.63 120 Pn       07 04.80    0.5
MAF      7.75 111 Pn       07 05.70   -0.4
                   Sn      08 22.80
BGF      7.76 108 Pn       07 05.80   -0.5
                   Sn      08 23.70
LPO      7.83 125 Pn       07 07.40    0.2
SSF      7.97 103 Pn       07 08.00   -1.2
AVF      7.98 106 Pn       07 08.40   -0.9
LOR      8.12 101 Pn       07 09.90   -1.4
CAF      8.16 120 Pn       07 12.40    0.5
LBF      8.30 103 Pn       07 11.90   -1.9
SMF      8.35 106 Pn       07 13.10   -1.3
EPF      8.61 136 Pn       07 18.40    0.3
    S.D. = 1.0  on  27 of  27 obs.
-----------------------------------------
   JUN 29, 1992  03h 19m 47.79± 0.64s
   34.509 N ± 6.0km  116.515 W ± 7.2km
    DEPTH =   5.0km  (geophysicist)
  SOUTHERN CALIFORNIA                ( 43)
       ML 3.1 (GS). MD 3.2 (PAS).

PEC      0.82 221 eP       20 04.59    0.5
                   S       20 16.00
SSK      1.02 253 eP       20 08.35    0.7
                   S       20 21.87
PLM      1.19 194 eP       20 10.07   -0.5
ABL      2.26 279 eP       20 25.93   -0.6
TPNV     2.44   5 eP       20 29.71    0.5
                   S       21 06.65
BCH      3.01 284 eP       20 36.81   -0.4
                   S       21 22.88
PKEM     3.32 299 (P)      20 48.36    6.9X
TNP      3.61 351 eP       20 45.50   -0.2
ARUT     4.11  36 eP       20 53.02    0.2
MSU      5.31  40 eP       21 09.66   -0.2
      S.D. = 0.6  on   9 of  10 obs.
-----------------------------------------
&  JUN 29, 1992  03h 36m 26.79s
   35.362 N             116.800 W
    DEPTH =  10.8km
  CENTRAL CALIFORNIA                 ( 39)
       <PAS-P>. ML 4.0 (PAS), 3.7 (GS).
       Felt at Barstow.

SSK      1.36 213 eP       36 50.65   -1.2
TPNV     1.65  16 ePd      36 55.28   -0.6
PLM      2.00 181 eP       37 00.06   -1.1
ABL      2.05 256 eP       37 00.17   -1.7
BCH      2.69 267 eP       37 08.61   -2.3
TNP      2.74 353 eP       37 10.49   -1.2
PKEM     2.78 285 eP       37 11.27   -0.8
BONR     2.86 335 eP       37 12.64   -0.8
PHAM     2.97 280 eP       37 12.96   -1.8
ARUT     3.63  47 ePn      37 24.94    0.7
                   S       38 18.56
KVN      3.83 345 (P)      37 32.90    5.8
                   S       38 29.14
ARN      4.30 299 eP       37 32.49   -1.3
MSU      4.86  48 eP       37 45.62    3.8
ORV      5.61 320 (P)      37 58.37    6.2
                   S       39 21.04
DAU      6.68  39 eP       38 07.56    0.0
         15 obs. associated
-----------------------------------------
   JUN 29, 1992  04h 12m 19.27± 0.83s
   34.091 N ± 7.6km  116.773 W ± 8.9km
    DEPTH =   5.0km  (geophysicist)
  SOUTHERN CALIFORNIA                ( 43)
       ML 3.0 (GS). MD 2.9 (PAS).

PLM      0.74 186 eP       12 34.16    0.1
SSK      0.77 279 eP       12 34.18   -0.7
GLA      1.93 122 ePn      12 53.04    0.0
ABL      2.16 291 eP       12 58.46    1.8
TPNV     2.88   8 (P)      13 06.07   -0.8
BCH      2.94 293 eP       13 06.40   -1.2
TNP      4.00 355 (P)      13 23.62    0.9
ARUT     4.57  35 eP       13 26.45   -4.4X
MSU      5.77  39 (P)      13 49.80    2.0X
      S.D. = 1.3  on   7 of   9 obs.
-----------------------------------------
&  JUN 29, 1992  04h 16m 42.61s
   35.017 N             117.203 W
    DEPTH =   3.5km
  CENTRAL CALIFORNIA                 ( 39)
       <PAS-P>. MD 4.0 (PAS). ML 4.2
       (GS).

SSK      0.90 207 ePnd     16 59.13   -1.5
PEC      1.12 178 iPd      17 03.13   -1.2
ABL      1.67 265 ePnc     17 10.39   -2.6
                   eS      17 36.69
PLM      1.68 170 ePn      17 12.03   -1.2
TPNV     2.08  22 ePn      17 17.47   -1.4
                   eS      17 48.03
BCH      2.37 275 ePnc     17 20.51   -2.5
PKEM     2.59 295 ePn      17 24.52   -1.5
                   eS      18 03.76
PHAM     2.73 288 ePn      17 26.13   -2.1
TNP      3.06 360 ePn      17 38.11    5.2
KVN      4.09 350 eP       17 46.03   -1.5
ARUT     4.11  47 ePnd     17 46.00   -1.7
                   eS      18 51.23
ARN      4.20 305 eP       17 46.48   -2.5
MSU      5.34  48 ePn      18 03.80   -1.5
ORV      5.68 324 (P)      18 08.39   -1.5
SRU      6.72  51 eP       18 24.24   -0.6
         15 obs. associated
-----------------------------------------
&  JUN 29, 1992  04h 34m 26.79s
   34.193 N             116.420 W
    DEPTH =   6.3km
  SOUTHERN CALIFORNIA                ( 43)
       <PAS-P>. ML 3.8 (PAS), 4.0 (GS).

PEC      0.68 244 iPc      34 39.35   -1.2
PLM      0.91 204 iPd      34 43.63   -1.1
SSK      1.06 271 iPc      34 46.21   -0.9
ABL      2.40 287 eP       35 05.44   -2.0
TPNV     2.75   3 ePd      35 11.12   -1.3
BCH      3.18 289 ePn      35 16.11   -2.2
PKEM     3.55 303 eP       35 27.95    4.4
PHAM     3.65 298 ePn      35 23.89   -1.2
TNP      3.93 351 eP       35 28.01   -1.2
BONR     4.05 338 eP       35 29.57   -1.3
ARUT     4.32  33 eP       35 32.90   -1.8
ARN      5.21 309 ePn      35 44.78   -2.4
                   eS      37 10.62
MSU      5.51  37 ePn      35 48.67   -2.9
DUG      6.65  25 (P)      36 04.11   -3.4
EMUT     7.18  37 (P)      36 16.93    1.9
         15 obs. associated
-----------------------------------------
   JUN 29, 1992  04h 35m 35.91± 0.27s
   7.289 N ± 4.3km  126.994 E ± 8.4km
   DEPTH =  40.5km  ( 11 depth phases)
   5.0mb ( 32 obs.) 4.6Msz (  7 obs.)
  MINDANAO, PHILIPPINE ISLANDS       (259)
       CENTROID, MOMENT TENSOR       (HRV)
       Data Used: GDSN
       L.P.B.: 18S, 27C
       Centroid Location:
       Origin Time        04:35:39.2 0.7
       Lat  7.29N  FIX;Lon 127.03E  FIX
       Dep  15.0 FIX Half-duration   1.3
       Moment Tensor;   Scale 10**16 Nm
         Mrr= 3.55 0.57  Mtt= 1.83 0.72
         Mff=-5.37 0.73  Mrt= 3.37 1.00
         Mrf= 7.74 0.85  Mtf=-1.23 0.75
        Principal Axes:
         T  Val=  8.82   Plg=57  Azm=307
         N        1.66       10      201
         P      -10.48       31      105
       Best Double Couple:Mo=9.6*10**16
        NP1:Strike=165 Dip=17 Slip=  53
        NP2:        24      77      101

BIP      1.19 322 iPc      35 56.00   -0.3
CGP      2.56 297 ePd      36 20.00    4.2X
                   eS      36 49.00
MAP      4.24 316 iPd      36 42.00    2.3
                   iS      37 30.00
PLP      4.33 333 ePc      36 41.00   -0.1
                   eS      37 02.50
MNI      6.19 200 ePd      37 16.50    9.2X
TNE      6.46 177 eP       37 12.60    1.6
PGP      8.57 317 eP       37 55.00   14.6X
TGY      9.02 319 ePc      37 56.00    9.4X
KKM     10.78 264 ePd      38 17.00    6.1X
GUA     18.68  69 eP       39 44.70   -8.5X
MTN     20.42 168 eP       40 11.00   -1.5
SSE     24.30 348 Pc       40 48.00   -2.8X
       Z  20s      1.40um           4.4Msz
       E  14s      1.10um
                   sS      45 16.00
IPM     25.97 266 ePc      41 10.90    4.1X
SNG     26.17 271 eP       41 27.80   19.2X
NST     27.58 290 eP       41 27.80    6.3X
WB2     28.01 165 eP       41 23.30   -2.1
         0.6s      5.80nm            4.4mb
                   i       41 39.30  68kmX
KMI     29.18 310 eP       41 36.00   -0.1
         1.0s     30.00nm            4.9mb
CHG     29.58 296 eP       41 40.10    0.6
         1.4s     47.09nm            5.0mb
OIS     30.32 156 eP       41 45.00   -1.1
         1.0s     45.00nm            5.2mb
                   i       41 56.40   42km
MAT     30.86  18 eP       41 48.00   -2.7
         0.8s      4.48nm            4.3mb
       Z  20s      1.77um           4.7Msz
XAN     31.42 330 eP       41 52.40   -3.3X
ASPA    31.50 168 eP       41 55.30   -1.1
         0.8s      7.30nm            4.5mb
       Z  19s      1.30um           4.6Msz
TIY     33.04 339 eP       42 09.00   -0.8
       Z  15s      1.30um          4.8MszX
       N  14s      0.78um
```

29d 04h

CTA 33.16 145 iPd 42 11.10 0.2
1.0s 51.00nm 5.4mb
eS 47 22.00
WARB 33.27 181 eP 42 12.00 0.2
0.4s 6.00nm 4.8mb
BJI 34.02 345 eP 42 20.00 1.9
1.0s 11.00nm 4.7mb
Z 16s 0.58um 4.4MszX
eS 47 40.00
OFUJ 34.30 20 eP 42 20.90 0.3
SNY 34.53 355 Pc 42 22.00 -0.5
1.0s 58.00nm 5.5mb
Z 20s 1.22um 4.6Msz
E 11s 0.57um
MEEK 34.69 193 eP 42 24.00 -0.1
LZH 35.63 327 eP 42 34.00 1.8
2.0s 42.00nm 5.0mb
Z 15s 1.65um 4.9MszX
E 12s 1.07um
pP 42 39.50 19kmX
sP 42 51.00
HHC 36.14 340 P 42 36.40 0.0
1.0s 8.80nm 4.6mb
Z 26s 1.41um 4.6MszX
N 13s 0.56um
E 11s 0.45um
S 48 10.00
CN2 36.39 358 P 42 38.00 -0.3
1.0s 12.00nm 4.8mb
Z 18s 0.64um 4.4Msz
N 11s 0.24um
E 11s 0.37um
epP 42 49.00 39km
ePcP 45 01.50
BTO 36.47 338 eP 42 38.00 -1.1
N 14s 0.62um
E 14s 0.83um
MDJ 37.25 3 eP 42 46.10 0.6
1.1s 160.00nm 5.8mb
Z 20s 1.23um 4.7Msz
pP 42 58.00 43km
MRWA 37.81 196 eP 42 50.00 -0.4
COOL 38.37 188 eP 42 55.00 -0.1
KUSJ 38.92 21 eP 43 00.80 1.3
BAL 38.95 194 eP 43 02.00 2.1
ASAJ 39.15 18 eP 43 03.30 1.8
KLB 39.66 192 eP 43 06.00 0.2
GTA 40.24 327 eP 43 10.00 -0.7
1.0s 9.00nm 4.5mb
Z 16s 1.72um 5.0MszX
E 15s 1.07um
LSA 40.38 308 eP 43 13.00 0.7
MUN 40.38 194 eP 43 12.00 0.3
STK 41.37 161 eP 43 19.20 -0.6
0.7s 6.00nm 4.4mb
YSS 41.81 16 eP 43 23.00 -0.3
Z 18s 0.70um 4.6Msz
N 18s 0.50um
E 18s 0.40um
e 45 08.00
ePPP 45 40.00
eS 49 36.00
KUR 41.91 22 eP 43 26.00 1.9
e 43 45.00 78kmX
eS 49 42.00
BWA 46.18 155 eP 44 00.50 1.8
e 44 11.40 38km
e 44 20.00
CAN 47.19 155 e(P) 44 06.10 -0.6
ZAK 47.29 339 eP 44 06.00 -1.2
1.2s 8.00nm 4.6mb
Z 13s 0.49um 4.7MszX
N 14s 0.48um
eS 51 04.00
HYB 48.26 287 eP 44 15.00 -0.3
MOY 49.18 339 eP 44 21.00 -0.8
WMQ 50.01 323 P 44 28.30 -0.2
0.8s 21.00nm 5.2mb
Z 17s 1.30um 5.0MszX
pP 44 39.00 37km
BOD 51.41 351 iPc 44 38.20 -0.6
1.2s 37.00nm 5.3mb
YAK 54.65 2 iPd 45 02.90 0.2
1.2s 176.00nm 6.0mb
Z 17s 0.60um 4.7MszX
N 17s 0.30um
e 52 40.00
MGD 55.68 14 eP 45 10.00 -0.3
0.8s 40.00nm 5.5mb
e 45 23.00 46km
FRU 57.94 317 eP 45 26.00 -0.6
Z 16s 0.60um 4.8MszX
e 45 35.00 30kmX
GAR 59.76 311 iP 45 37.70 -1.8
QUE 60.53 300 eP 45 44.90 -0.1
TIK 64.29 1 iP 46 07.00 -2.0
1.2s 70.00nm 5.6mb
e 46 20.00 45km
NRI 66.97 346 iPc 46 24.00 -2.3
1.4s 25.00nm 5.1mb
i 46 45.00 81kmX
i 46 53.00
MAIO 67.61 306 eP 46 30.00 -1.1
ILT 70.39 19 iPc 46 47.50 0.1
1.6s 33.00nm 5.1mb
i 46 59.00 38km
eS 56 00.00
SVE 71.09 328 ePd 46 51.60 -0.3
3.0s 140.00nm 5.4mb
Z 16s 0.50um 4.9MszX
N 16s 0.40um
E 16s 0.30um
e 47 18.00 103kmX
ERE 79.61 309 iP 47 41.00 0.1
eS 57 47.00
PYA 80.63 313 iPd 47 46.00 -0.1
1.0s 100.00nm 5.7mb
i 47 58.00 40km
KIV 80.90 313 eP 47 47.20 -0.5
OBN 84.31 325 iPd 48 05.20 0.4
1.0s 42.00nm 5.5mb
Z 16s 0.70um 5.1MszX
E 16s 0.60um
e 48 17.00 39km
KVT 85.98 311 iP 48 10.00 -3.6X
MBC 88.44 13 eP 48 26.50 1.7
1.5s 26.00nm 5.3mb
pP 48 38.50 39km
KAF 88.58 332 iP 48 24.90 -0.7
0.7s 5.40nm 5.0mb
NUR 89.74 331 iP 48 30.40 -0.7
0.9s 12.60nm 5.2mb
OJC 95.27 322 eP 48 57.20 0.3
NB2 95.73 334 P 48 57.40 -1.4
0.9s 2.20nm 4.6mb
YKA 96.17 24 eP 49 02.50 1.8
0.9s 1.00nm 4.3mb
KSP 97.17 323 eP 49 05.40 -0.1
BRG 98.54 324 e(P) 49 12.00 0.4
GEC2 99.47 322 P 49 18.30 2.3
KIC 129.98 285 PKP 54 44.30 0.3
PEL 149.49 150 ePKP 55 25.50 7.1X
CNCB 162.58 124 PKP 55 42.50 6.6X
LPB 162.62 123 ePKP 55 50.00 14.2X
ZOBO 162.72 123 PKP 55 38.20 2.0
S.D. = 1.2 on 67 of 82 obs.

& JUN 29, 1992 04h 36m 54.03s
34.613 N 116.643 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.4 (PAS), 3.4 (GS).

PEC 0.84 211 eP 37 07.48 -3.3
SSK 0.96 245 eP 37 12.08 -1.2
PLM 1.27 188 eP 37 17.80 -0.8
ABL 2.14 277 eP 37 28.69 -3.0
TPNV 2.35 8 eP 37 32.89 -1.8
BCH 2.89 282 P 37 40.91 -1.4
PKEM 3.18 298 (P) 37 44.84 -1.4
PHAM 3.31 293 (P) 37 52.50 4.4
TNP 3.49 353 eP 37 49.33 -1.6
BONR 3.59 339 eP 37 51.17 -1.3
ARUT 4.09 38 (P) 37 57.47 -1.9
11 obs. associated

JUN 29, 1992 05h 25m 52.24± 0.47s
6.403 S ± 8.0km 104.727 E ±10.9km
DEPTH = 56.9km (4 depth phases)
4.8mb (14 obs.)
SUNDA STRAIT (276)

KHKI 10.97 101 ePc 28 29.10 0.1
eS 30 28.10
e 33 08.40
IPM 11.52 341 ePc 28 42.00 5.5X
NANU 19.15 148 eP 30 11.50 -2.4
eS 33 25.00
NNT 19.51 345 eP 30 18.00 0.2
MBL 20.72 137 eP 30 30.00 -0.4
KHT 21.91 344 eP 30 42.30 -0.1
BDT 24.17 347 eP 31 04.20 -0.2
CHG 25.70 347 eP 31 19.70 0.8
0.8s 10.82nm 4.4mb
MTN 26.79 106 eP 31 29.50 0.5
KMI 31.39 357 eP 32 11.60 1.2
0.8s 20.00nm 4.9mb
WB2 31.76 118 eP 32 13.20 -0.2
0.5s 23.30nm 5.2mb
i 32 28.10 61km
ASPA 32.88 125 iPd 32 23.00 -0.1
1.3s 10.50nm 4.5mb
Z 20s 0.60um 4.3Msz
i 32 36.90 55km
QIS 36.61 116 eP 32 55.00 -0.1
i 33 10.00 58km
LSA 38.19 341 eP 33 08.40 -0.3
XAN 40.42 5 eP 33 27.50 0.9
PMG 42.11 97 e(P) 33 40.00 -0.8
LZH 42.27 359 eP 33 41.00 -1.0
2.0s 35.00nm 4.8mb
Z 18s 0.49um 4.4Msz
STK 42.72 131 eP 33 46.10 0.5
0.6s 8.70nm 4.7mb
e 33 57.80 42kmX
NDI 43.81 324 iPc 33 53.20 -1.2
0.8s 88.06nm 5.6mb
eS 40 19.80
TIA 43.96 14 eP 33 55.90 0.4
TIY 44.47 9 eP 34 01.00 1.3
Z 30s 1.25um 4.7MszX
BFD 46.07 137 iPc 34 13.50 1.1
0.5s 11.00nm 5.0mb
BTO 47.02 6 eP 34 21.40 1.5
BJI 47.40 12 eP 34 24.00 1.2
HHC 47.44 7 P 34 21.00 -2.2
1.0s 10.00nm 4.7mb
Z 24s 0.81um 4.6MszX
N 13s 0.75um
CAN 49.78 132 eP 34 42.30 0.9
e 34 56.60 54km
KSH 52.81 332 eP 35 02.30 -1.9
MAT 52.99 34 eP 35 03.00 -2.5
0.7s 5.48nm 4.7mb
CN2 53.37 19 P 35 08.00 -0.1
0.8s 10.00nm 4.9mb
GAR 55.29 328 eP 35 20.70 -1.7
MDJ 55.50 21 eP 35 24.00 0.4
CSY 59.92 177 eP 35 48.10 -6.3X
0.5s 8.80nm 5.1mb
i 35 52.70 15kmX
MAIO 59.99 319 eP 35 55.00 -0.5
OBN 82.98 327 eP 38 16.00 3.6X
e 38 50.00 134kmX
SPA 83.64 180 iPd 38 15.90 0.1
1.0s 6.00nm 4.6mb
VRI 86.27 317 ePc 38 33.00 3.9X
BCAO 86.71 275 iPd 38 45.10 13.1X
0.9s 18.00nm
MLR 86.72 316 ePc 38 33.00 1.5
KAF 90.23 333 iP 38 51.20 3.6X
0.6s 3.80nm 4.9mb
NUR 90.66 331 iP 38 31.30 -18.3X
0.3s 1.50nm
GEC2 95.45 318 PKP 39 23.40 11.3X
0.8s 0.63nm
YKA 117.07 19 ePKP 44 37.90 5.8X
0.8s 0.50nm
TUL 145.12 30 e(PKP)45 30.20 4.8X
BAO 145.22 231 PKPc 45 26.00 -0.3
SIV 153.68 212 (PKP) 45 41.00 1.9
e 45 48.00
CCH 154.70 201 ePKP 45 43.00 2.2X
e 46 05.00
CNCB 155.84 197 PKP 45 54.00 11.3X
LPB 156.13 197 PKP 45 54.00 11.1X
ZOBO 156.37 197 PKP 45 45.00 1.5
Z 24s 0.14um 4.7MszX
eLR 53 52.00
S.D. = 1.2 on 36 of 49 obs.

& JUN 29, 1992 05h 37m 45.96s
37.576 N 118.829 W
DEPTH = 11.9km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 3.7 (GM). ML 3.3
(GS). Felt (III) at Big Creek
and Mono Hot Springs,
California. Also felt at Bishop
and Mammoth Lakes, California.

BONR 0.56 48 eP 37 56.37 -1.1
TNP 1.37 68 iPc 38 11.07 0.0
KVN 1.58 21 ePn 38 14.20 0.2
iPg 38 15.45
eS 38 36.24
PKEM 1.83 215 eP 38 18.95 1.5
eS 38 43.72
PHAM 2.15 216 (Pn) 38 22.88 0.8
TPNV 2.15 106 (P) 38 22.88 0.6
eS 38 54.36
ARN 2.16 265 ePn 38 24.59 2.2
eS 38 49.59
ORV 2.88 314 ePn 38 32.79 0.3
ePg 38 37.02
S 39 14.77
LTCM 3.68 317 (Pn) 38 41.65 -2.2
ePg 38 53.92
eS 39 48.98
ARUT 4.28 86 eP 38 52.89 0.3
eS 40 02.04
LBFM 4.45 329 (Pn) 38 58.15 3.2
ePg 39 06.30
MSU 5.34 78 (P) 39 25.13 17.5
DUG 5.37 59 ePg 39 24.35 16.3
S 40 34.08
13 obs. associated

JUN 29, 1992 05h 47m 15.05± 0.37s
41.569 N ± 4.3km 141.225 E ± 4.7km
DEPTH = 104.8 ± 4.0 km
4.9mb (37 obs.)
HOKKAIDO, JAPAN REGION (224)
Felt at Misawa, Honshu.

MRRJ 0.86 352 eP 47 34.90 0.3
eS 47 49.20
AOMJ 1.20 213 iP+ 47 38.80 0.5
SAP 1.49 3 iP 47 42.80 1.0
iS 48 02.50
HOOJ 1.74 61 eP 47 44.10 -0.8
eS 48 06.40
OFUJ 2.51 172 P 47 53.50 -1.5
S 48 22.80
ASAJ 2.75 22 eP 47 57.90 -0.4
KUSJ 3.00 58 eP 47 59.70 -2.0
eS 48 32.20
YAMJ 3.51 195 P 48 08.70 0.1
NIIJ 4.65 202 P 48 24.60 0.3
KAKJ 5.42 189 P 48 30.90 -3.9X
S 49 32.70
MAT 5.54 206 iPc 48 37.10 0.5
MTMJ 5.64 209 P 48 38.90 0.9
CHJJ 5.78 198 P 48 38.80 -1.0
IIDJ 6.61 204 P 48 52.40 1.1
TSRJ 7.29 216 P 49 02.30 1.8
WKYJ 8.58 213 P 49 17.30 -0.8
YONJ 8.81 226 P 49 23.10 1.8
TKSJ 9.46 219 P 49 30.10 0.1
SHNJ 10.91 230 eP 49 51.10 1.7
BJI 19.01 274 eP 51 28.50 -2.6
1.0s 77.00nm 5.0mb
Z 22s 0.62um 4.7Msz
SSE 19.19 243 Pd 51 32.00 -1.0
0.7s 24.00nm 4.6mb
eS 55 40.00
YAK 21.61 345 eP 51 54.80 -2.7
0.9s 51.00nm 4.9mb
IRK 27.11 306 iPc 52 50.00 0.4
1.2s 38.00nm 4.8mb
Z 20s 0.38um 4.0Msz
LR 02 22.00
LZH 29.47 272 eP 53 10.50 -0.7
2.0s 53.00nm 4.9mb
pP 53 22.00 43kmX
KMI 35.75 255 Pd 54 06.00 0.2
0.8s 70.00nm 5.6mb
TTA 41.85 38 eP 54 56.01 0.2
1.3s 61.38nm 5.3mb
SVW 42.06 40 iPd 54 58.80 1.3
0.9s 45.14nm 5.3mb
BRW 42.34 25 (P) 55 00.83 1.3
CHG 42.46 251 eP 55 02.00 0.8
0.9s 21.01nm 4.9mb
IMA 42.91 33 iPc 55 04.23 -0.2
0.8s 33.18nm 5.2mb
BDT 43.47 249 eP 55 09.20 -0.1
REF 43.53 41 iPd 55 09.99 0.4
CPKM 43.69 40 eP 55 12.02 1.1
CRP 43.73 40 eP 55 11.85 0.7
KDC 43.96 45 iPd 55 12.36 -0.5
0.8s 45.89nm 5.3mb
PMR 45.14 39 eP 55 21.71 -0.5
0.9s 55.74nm 5.4mb
FBA 45.40 34 eP 55 24.22 0.0
0.5s 51.25nm 5.6mb
TOA 46.46 38 iPc 55 34.00 1.2
KLU 46.68 39 iPc 55 34.52 0.0
GUN 46.73 271 Pd 55 34.60 -1.1
KKN 47.25 272 Pd 55 38.40 -1.2
PKI 47.27 271 Pd 55 38.20 -1.7
DMN 47.47 271 Pd 55 40.20 -1.2
GKN 47.62 272 Pd 55 41.00 -1.4
BALM 48.46 39 iPc 55 48.34 -0.1
MBC 52.23 17 eP 56 16.50 -0.3
1.0s 29.00nm 5.2mb
GAR 52.73 292 iP 56 22.20 1.1
NDI 52.80 277 iPd 56 20.20 -1.4
SIT 53.10 43 eP 56 23.75 0.4
1.7s 47.23nm 5.2mb
QUE 59.55 285 eP 57 10.00 0.1
YKA 59.99 31 eP 57 10.60 -1.6
0.9s 9.00nm 4.9mb
WB2 61.53 187 iPc 57 21.20 -1.9
0.5s 16.10nm 5.3mb
i 57 46.70
WRA 61.53 187 P 57 21.50 -1.6
0.6s 4.90nm 4.7mb
KAF 64.23 332 iP 57 39.20 -1.3
0.4s 6.60nm 4.9mb
GMW 64.33 48 eP 57 41.32 -0.1
OBN 64.40 322 iPd 57 41.50 -0.2
1.0s 17.00nm 4.9mb
e 57 55.00
BMW 64.68 50 eP 57 43.95 0.2
PNT 65.06 45 ePc 57 45.00 -1.1
ASPA 65.26 187 iPd 57 46.80 -0.6
0.5s 5.50nm 4.7mb
LON 65.33 49 (P) 57 47.40 -0.5
NUR 65.90 331 iP 57 50.10 -1.1
0.4s 8.50nm 5.0mb
NEW 67.02 45 eP 57 56.79 -1.8
0.4s 17.86nm 5.3mb
LBFM 68.45 53 eP 58 08.25 0.4
SES 68.80 41 ePc 58 09.00 -0.6
ORV 69.77 55 iPc 58 14.94 -0.7
HFS 69.91 335 eP 58 15.30 -0.8
0.4s 4.00nm 4.6mb
Z 17s 0.06um 3.9MszX
LR 25 03.00
NB2 69.96 337 P 58 15.70 -0.8
0.5s 2.80nm 4.3mb
FCC 70.03 27 eP 58 17.50 0.7
DUG 74.52 50 eP 58 44.21 0.3
0.8s 5.88nm 4.5mb
ULM 75.81 34 eP 58 51.00 0.1
EMUT 75.92 49 eP 58 52.66 0.7
PRU 77.55 328 eP 59 00.00 -0.5
GEC2 78.79 328 P 59 08.80 1.3
GOL 79.01 46 eP 59 09.88 0.8
1.1s 13.38nm 4.7mb
GRF 79.08 330 eP 59 10.00 1.1
KBA 80.35 327 iPc 59 17.10 1.1
1.0s 12.90nm 4.7mb
i 59 27.20
i 59 32.70
CDF 81.61 331 eP 59 23.60 1.2
LOR 83.80 332 eP 59 33.60 0.0
0.7s 3.30nm 4.4mb
SSF 84.10 332 eP 59 35.20 0.1
LPL 84.24 330 eP 59 36.80 0.7
0.8s 6.45nm 4.6mb
LPG 84.25 330 eP 59 36.80 0.5
0.8s 7.40nm 4.7mb
AVF 84.38 332 iPc 59 36.90 0.4
0.5s 3.20nm 4.5mb
EEO 85.14 27 eP 59 41.00 0.7
MAF 85.15 333 iPc 59 41.20 0.8
0.6s 3.45nm 4.5mb
LSF 85.48 333 eP 59 42.60 0.6
0.7s 4.50nm 4.5mb
MFF 85.72 334 eP 59 44.00 0.8
1.0s 8.40nm 4.7mb
LMR 86.17 329 eP 59 45.40 -0.1
CAF 86.45 332 iPc 59 48.10 1.2
0.7s 4.65nm 4.6mb
LPO 86.97 333 eP 59 50.40 1.1
CCM 87.43 39 iPc 59 51.92 0.3
0.8s 21.57nm 5.2mb
LMN 89.91 18 eP 00 05.50 2.2
TBR 91.63 26 (P) 00 11.29 0.0
ZOBO 144.33 54 ePKP 06 40.00 -1.3
LPB 144.53 54 PKP 06 41.00 -0.4
CNCB 144.82 54 PKP 06 42.00 -0.1
CCH 146.37 52 PKP 06 46.40 2.0
ITR 147.32 359 ePKP 06 46.90 1.3
SIV 148.07 44 ePKP 06 50.00 3.3X
PDCR 151.07 1 ePKP 06 57.90 6.6X
S.D. = 1.1 on 96 of 99 obs.

JUN 29, 1992 05h 51m 07.64± 0.72s
43.420 N ± 5.4km 5.470 E ± 5.5km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.6 (STR).

GELF 0.05 220 Pg 51 08.54 -1.3
BERF 0.19 124 Pg 51 11.55 -0.4
PUYF 0.20 56 Pg 51 11.15 -0.9
TREF 0.21 343 Pg 51 11.46 -0.8
CDR 0.33 40 ePg 51 13.00 -1.6
e(Sg) 51 17.90
PRAF 0.44 330 Pg 51 16.58 -0.1
VILF 0.47 22 Pg 51 16.36 -0.8
TAVF 0.47 65 Pg 51 16.95 -0.3
S.D. = 0.6 on 8 of 8 obs.

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* JUN 29, 1992 06h 00m 10.64± 1.26s
6.419 S ± 7.1km 130.566 E ±24.7km
DEPTH = 89.0 ± 20.2 km
4.9mb (3 obs.)
BANDA SEA (280)

SWI 5.56 7 iP 01 33.00 0.4
S 01 59.00
MTN 6.41 175 eP 01 44.20 -0.1
0.3s 163.00nm 5.9mb X
eS 02 52.00
WB2 13.94 165 iPd 03 22.20 -3.3X
0.3s 31.10nm 5.1mb X
iS 05 49.10
BIP 15.17 343 eP 03 41.00 -0.3
QIS 16.56 149 eP 03 59.00 0.1
eS 06 52.00
ASPA 17.45 170 iPc 04 08.80 -1.0
0.3s 24.30nm 4.9mb
eS 07 11.50
WARB 20.01 190 eP 04 40.00 1.3
0.4s 4.00nm 4.1mb
eS 08 15.00
GUN 55.00 311 P 09 35.60 -0.1
0.4s 17.00nm 5.4mb
PKI 55.18 310 P 09 36.80 -0.2
KKN 55.39 310 P 09 38.30 -0.1
DMN 55.43 310 P 09 38.80 0.1
GKN 55.99 310 P 09 42.60 0.0
CNCB 150.52 142 PKP 20 00.00 10.5X
LPB 150.66 141 ePKP 20 00.00 10.4X
ZOBO 150.82 141 ePKP 19 54.00 3.9X
S.D. = 0.7 on 11 of 15 obs.

JUN 29, 1992 06h 02m 00.58± 0.66s
34.134 N ± 6.5km 116.419 W ± 5.9km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 2.8 (GS). MD 3.0 (PAS).

PEC 0.66 249 iPd 02 14.16 0.3
iS 02 23.12
PLM 0.86 205 iPd 02 18.44 0.7
SSK 1.06 274 ePnc 02 21.08 -0.1
eS 02 37.12

29d 06h

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GLA      1.71 129 eP     02 30.47  -0.8
ABL      2.42 288 ePn    02 40.83  -0.9
TPNV     2.81   3 ePn    02 47.32   0.1
BCH      3.20 290 ePn    02 52.46  -0.1
TNP      3.99 351 P      03 09.60   5.6X
ARUT     4.37  33 ePn    03 10.07   0.7
MSU      5.55  37 (P)    03 30.37   4.2X
    S.D. = 0.7  on    8 of  10 obs.
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   JUN 29, 1992  06h 44m 53.18± 0.58s
   34.802 N ± 5.4km  116.600 W ± 7.1km
   DEPTH =   5.0km  (geophysicist)
 SOUTHERN CALIFORNIA            ( 43)
     ML 3.1 (GS), MD 3.2 (PAS).

PEC      1.02 207 iPd    45 12.97   0.0
                  S      45 28.88
SSK      1.08 237 ePn    45 13.89  -0.2
                  iS     45 29.07
PLM      1.46 189 eP     45 20.88   0.5
                  iS     45 42.45
ABL      2.16 272 ePn    45 29.74  -0.7
TPNV     2.16   7 ePn    45 29.80  -0.7
BCH      2.89 279 ePn    45 40.73  -0.1
TNP      3.31 352 ePn    45 47.16   0.3
BONR     3.43 337 ePn    45 49.96   1.2
ARUT     3.92  40 ePn    45 55.49  -0.1
MSU      5.14  43 ePn    46 12.52  -0.3
    S.D. = 0.7  on   10 of  10 obs.
---------------------------------------
?  JUN 29, 1992  07h 06m 36.50± 1.01s
   33.264 S ±15.3km   70.598 W ±17.6km
   DEPTH =  80.0km  (geophysicist)
 CHILE-ARGENTINA BORDER REGION   (127)

PEL      0.14 329 iPd    06 48.80   0.3
                  iS     06 59.80
FCH      0.26 104 iPd    06 48.50  -0.7
PCH      0.36 169 iPd    06 49.70   0.2
                  iS     07 01.30
TACH     0.48 216 iPd    06 51.00   0.7
                  iS     07 03.90
CHCH     0.67 184 iPc    06 52.10   0.0
                  iS     07 05.90
CACH     0.85 180 iPd    06 54.40   0.2
                  iS     07 09.90
LNV      0.97 224 (P)    06 54.50  -0.9
                  iS     07 13.20
    S.D. = 0.7  on    7 of   7 obs.
---------------------------------------
%  JUN 29, 1992  07h 15m 44.45± 0.74s
   42.622 N ± 5.7km   13.162 E ± 8.2km
   DEPTH =  10.0km  (geophysicist)
 CENTRAL ITALY                   (381)

AQU      0.32 146 P      15 50.40  -0.7
                  eSg    15 57.00
MNS      0.43 237 P      15 52.80  -0.4
                  eSg    16 00.00
ASS      0.58 321 P      15 55.60  -0.7
                  eSg    16 05.00
AZI      0.66 162 P      15 58.00   0.4
                  eSg    16 07.50
ARV      0.89 350 P      16 02.20   0.6
                  eSg    16 15.20
RDP      0.92 201 P      16 03.00   0.9
                  eSg    16 16.00
SDI      1.04 152 P      16 04.00   0.0
    S.D. = 0.8  on    7 of   7 obs.
---------------------------------------
   JUN 29, 1992  07h 37m 05.61± 0.21s
   30.980 N ± 3.8km  141.359 E ± 3.8km
   DEPTH =  40.4km  ( 14 depth phases)
   5.2mb ( 48 obs.)  4.9Msz ( 11 obs.)
 SOUTH OF HONSHU, JAPAN          (211)
      CENTROID, MOMENT TENSOR    (HRV)
      Data Used: GDSN
      L.P.B.: 22S, 36C
      Centroid Location:
      Origin Time       07:37: 9.9 0.6
      Lat 30.86N 0.08 Lon 141.23E 0.05
      Dep  63.2 4.5 Half-duration  1.5
      Moment Tensor;   Scale 10**16 Nm
        Mrr= 2.78 0.72  Mtt= 6.38 1.44
        Mff=-9.17 0.86  Mrt=-1.81 0.83
        Mrf= 5.36 0.69  Mtf=-2.71 0.67
       Principal Axes:
```

```
           T  Val=   8.49  Plg=32  Azm=200
           N         2.93     51      340
           P       -11.42     20       97
         Best Double Couple:Mo=1.0*10**17
          NP1:Strike=234 Dip=52 Slip= 170
          NP2:        331     82       38

KAKJ      5.30 350 P        38 24.00  -0.4
                   eS       39 20.50
CHJJ      5.43 339 P        38 26.10  -0.1
                   eS       39 29.60
WKYJ      5.84 305 eP       38 33.70   1.6
MAT       6.14 336 iPd      38 37.20   1.0
          0.6s     33.33nm          5.1mb
        Z  20s      6.03um          4.1Msz
                   eS       39 47.00
MTMJ      6.32 333 P        38 41.80   2.9X
TSRJ      6.40 317 P        38 42.20   2.4
NIIJ      6.54 343 P        38 41.00  -0.9
TKSJ      6.86 298 P        38 48.30   1.9
YAMJ      7.26 352 P        38 49.30  -2.6X
YONJ      7.84 304 eP       39 03.70   3.6X
OFUJ      8.09   2 P        38 58.70  -4.7X
                   eS       40 21.40
KAGJ      8.98 274 P        39 21.50   5.7X
KUMJ      9.10 283 P        39 23.50   6.1X
SHNJ      9.20 293 P        39 23.30   4.5X
MRRJ     11.43 359 eP       39 47.90  -1.3
                   eS       41 45.90
HOOJ     11.49   7 eP       39 44.20  -5.8X
                   eS       41 41.60
KUSJ     12.39  12 eP       39 55.50  -6.6X
                   eS       42 02.50
ASAJ     13.15   4 eP       40 07.90  -4.3X
KUR      15.12  18 eP       40 40.00   2.2
          1.2s    380.00nm          5.5mb
        Z  14s      2.70um          4.2MszX
        N  14s      2.20um
YSS      16.05   3 eP       40 45.00  -4.8X
          0.8s     50.00nm          4.7mb
        Z  16s      2.50um          4.7Msz
        N  16s      2.70um
MDJ      16.46 329 eP       40 53.40  -1.7
        Z  17s      3.56um
        N  16s      2.20um
        E  15s      1.69um
SSE      17.29 276 Pc       41 08.00   2.4
          0.9s      8.00nm          3.8mb X
        Z  20s      4.10um          4.6Msz
        N  16s      1.90um
        E  16s      3.00um
                   pP       41 16.00
                   S        44 20.00
                   sS       44 34.00
                   SS       44 42.00
GUA      17.66 169 ePn      41 08.50  -1.8
SNY      17.91 312 Pc       41 14.00   0.8
          1.0s     13.00nm          4.0mb X
        Z  16s      3.64um          4.9Msz
        N  15s      3.44um
                   S        44 29.00
CN2      17.95 320 eP       41 12.00  -1.7
          1.0s     31.00nm          4.4mb
        Z  13s      3.24um          4.6MszX
        N  13s      1.49um
        E  13s      1.94um
                   epP      41 19.00
DL2      17.98 301 eP       41 14.00  -0.1
        Z  16s      3.09um
        N  15s      1.72um
        E  15s      3.86um
NJ2      19.22 279 eP       41 27.00  -2.1
TIA      20.83 291 eP       41 45.60  -0.5
        Z  17s      6.06um          5.0MszX
        N  18s      3.22um
        E  17s      4.93um
                   S        45 30.00
BJI      22.35 301 eP       42 01.00  -0.3
          1.5s    120.00nm          5.1mb
        Z  18s      4.72um          5.0Msz
        E  20s      4.47um
                   eS       46 00.00
WHN      23.20 276 ePc      42 11.50   1.8
        Z  18s      5.78um          5.1Msz
        E  16s      4.31um
                   pP       42 21.00  35km
BCP      23.84 237 eP       42 16.00   0.0
```

```
TIY      24.75 294 eP      42 24.70  -0.1
       Z  19s      5.43um           5.1Msz
       E  16s      3.67um
                   S       46 45.50
PLP      24.88 221 ePd     42 27.70   1.6
TGY      25.18 233 eP      42 31.00   2.1
HHC      25.96 301 P       42 35.60  -0.5
       N  15s      1.54um
       E  17s      3.25um
BTO      27.05 299 eP      42 45.50  -0.7
         1.2s     31.00nm           4.8mb
       N  16s      3.57um
       E  16s      6.43um
                   ePP     43 33.50
                   eS      47 26.50
CGP      27.28 218 eP      42 50.00   1.7
XAN      27.46 285 Pc      42 49.10  -0.8
       N  16s      2.23um
       E  16s      1.94um
CIT      29.26 324 eP      43 06.00   0.1
MGD      29.80  10 eP      43 09.50  -1.1
       Z  18s      1.00um           4.5Msz
                   e       43 22.00  48km
GYA      30.68 270 P       43 18.20  -0.7
       Z  16s      4.94um           5.3MszX
LZH      31.55 289 eP      43 24.50  -2.0
         1.3s     27.00nm           4.9mb
       Z  18s      1.96um           4.8Msz
       E  16s      1.72um
                   pP      43 33.00  30kmX
                   sP      43 36.50
YAK      31.96 350 eP      43 30.80   1.2
         1.0s     50.00nm           5.3mb
       Z  16s      1.50um           4.8MszX
       N  16s      1.10um
                   eS      48 34.00
CD2      32.15 280 eP      43 29.60  -2.1
       Z  17s      4.89um           5.3MszX
                   eS      48 40.00
BOD      32.72 333 iPc     43 36.20   0.0
         1.2s     37.00nm           5.1mb
ZAK      34.28 315 ePc     43 49.20  -0.6
         2.0s    103.00nm           5.4mb
       Z  16s      1.80um           4.9MszX
       N  14s      0.76um
       E  15s      2.21um
                   eS      49 18.00
GTA      34.73 296 eP      43 52.50  -1.6
         1.0s     20.00nm           5.0mb
       Z  18s      5.71um           5.4Msz
       E  16s      3.53um
                   eS      49 28.00
MOY      36.08 317 eP      44 05.20   0.0
         1.7s     55.00nm           5.2mb
CHG      40.11 263 ePc     44 38.80  -0.5
         0.8s     15.11nm           4.8mb
TIK      41.27 354 eP      44 46.50  -1.6
         1.0s      8.00nm           4.4mb
       Z  15s      0.50um           4.5MszX
                   e       46 31.00 602kmX
                   ePPP    46 52.00
                   eS      51 08.00
ILT      43.67  21 iPc     45 07.00  -0.8
         1.4s     85.00nm           5.3mb
       Z  20s      0.80um           4.6Msz
       N  18s      0.80um
                   eS      51 28.00
                   eSS     54 48.00
WMQ      43.80 303 P       45 09.00  -0.3
         1.5s     24.00nm           4.7mb
       Z  23s      1.46um           4.8MszX
       E  13s      0.81um
                   sP      45 18.00
                   SS      54 48.70
MTN      44.67 194 eP      45 15.00  -1.3
GUN      47.99 281 P       45 41.40  -1.7
PKI      48.49 281 P       45 44.90  -2.0
KKN      48.53 281 P       45 45.40  -1.7
         0.8s     50.00nm           5.6mb
NRI      48.63 338 iP      45 45.50  -1.5
       Z  16s      1.40um           5.0MszX
                   i       47 17.00 471kmX
DMN      48.74 281 P       45 47.00  -1.7
GKN      49.01 282 P       45 49.00  -1.7
TTA      50.50  32 eP      46 01.80   0.3
PRZ      50.69 302 eP      46 05.00   1.6
         1.0s     40.00nm           5.4mb
```

CTA 50.99 174 eP 46 05.90 0.4
0.6s 44.00nm 5.6mb
eS 52 42.00
WB2 51.08 188 iPd 46 04.70 -1.5
0.3s 41.90nm 5.9mb
OIS 51.27 182 eP 46 06.40 -1.2
IMA 51.98 28 eP 46 10.20 -2.6
KSH 53.04 298 eP 46 21.00 0.0
FRU 53.39 303 eP 46 15.00 -8.4X
Z 16s 1.20um 5.0MszX
e 46 25.50 35km
e 54 11.00
PMR 53.59 34 ePc 46 23.60 -0.9
1.4s 124.80nm 5.7mb
FBA 54.31 30 eP 46 30.00 0.2
ASPA 54.80 188 iPd 46 32.70 -1.2
0.5s 36.30nm 5.7mb
NDI 54.99 285 iPd 46 34.00 -1.3
eS 54 12.00
TOA 54.99 33 eP 46 34.20 -0.8
GAR 57.42 299 eP 46 52.30 -0.4
RMQ 57.58 172 eP 46 53.50 -0.2
i 47 05.00 40km
DZM 57.98 152 iPc 46 57.90 1.2
SVE 59.74 321 iPc 47 08.00 -0.4
1.2s 100.00nm 5.8mb
Z 17s 0.60um 4.8MszX
N 17s 0.50um
E 17s 0.50um
e 47 15.00 23kmX
e 47 24.00
e 47 51.30
e 49 29.00
eS 55 18.00
e 56 50.00
ARU 60.93 321 ePc 47 16.50 0.0
1.2s 120.00nm 5.9mb
Z 16s 1.50um 5.2MszX
N 15s 0.50um
e 47 28.00 39km
ARMA 61.84 170 eP 47 25.00 2.0
1.0s 27.00nm 5.3mb
MBC 62.35 15 eP 47 26.00 0.2
1.5s 36.00nm 5.3mb
STK 62.52 180 iPc 47 27.00 -0.3
0.4s 5.00nm 5.0mb
QUE 62.86 290 eP 47 30.00 -0.1
BWA 65.39 174 eP 47 46.80 0.6
e 47 52.40
ipP 47 59.10 42km
BAL 65.57 203 eP 47 28.00 -19.4X
CAN 66.34 173 eP 47 52.50 0.3
ipP 48 05.30 44km
MAIO 66.42 299 iPc 47 53.00 0.0
eS 57 06.00
KAT 67.70 303 eP 48 03.00 2.1
e 48 11.00 26kmX
e 48 23.00
eS 57 32.00
BFD 67.81 179 iPc 48 13.00 11.6X
0.8s 20.00nm
TOO 68.30 176 eP 48 05.70 1.1
1.0s 69.00nm 5.7mb
i 48 18.00 42km
YKA 69.09 29 eP 48 07.60 -1.5
1.3s 5.80nm 4.4mb
KEV 69.09 340 eP 48 21.00 11.9X
MCW 70.98 44 (P) 48 21.87 0.9
GMW 71.49 45 iPc 48 24.70 0.6
BMW 71.69 46 (P) 48 25.55 0.2
BAK 71.71 306 iPc 48 26.00 0.6
iS 57 49.00
MOS 72.12 325 eP 48 28.00 0.4
Z 17s 2.40um 5.5MszX
N 16s 1.40um
E 16s 1.20um
e 48 39.00 36km
RMW 72.13 45 (P) 48 28.27 0.3
SHE 72.47 307 eP 48 31.00 1.1
Z 16s 0.50um 4.9MszX
N 16s 0.60um
E 16s 0.60um
iS 57 53.00
PNT 72.59 43 eP 48 30.00 -0.6
OBN 72.94 324 iPd 48 33.00 0.6
1.3s 52.00nm 5.3mb
Z 16s 2.00um 5.5MszX

N 16s 1.00um
E 16s 1.00um
i 48 46.00 45km
(PS) 58 36.00
KAF 73.68 334 iP 48 36.50 -0.1
0.5s 6.60nm 4.9mb
DPW 74.10 44 iPc 48 39.70 0.3
PYA 74.61 312 eP 48 42.00 -0.4
Z 16s 0.50um 4.9MszX
KIV 74.89 312 eP 48 44.90 0.8
i 48 57.90 45km
iS 58 21.90
i 58 41.90
NUR 75.28 333 iP 48 45.90 0.1
ERE 75.49 308 iP 48 49.00 1.4
Z 16s 0.63um 5.0MszX
eS 58 31.00
ORV 75.98 52 eP 48 49.22 -1.0
SES 76.86 39 ePc 48 55.00 0.0
pP 49 06.00 36km
ARN 77.01 54 (P) 48 54.07 -2.1
ANN 77.77 315 eP 49 10.00 10.0X
Z 16s 0.50um 4.9MszX
N 16s 1.00um
MNK 78.01 326 eP 49 00.00 -1.1
Z 16s 1.56um 5.4MszX
UPP 78.38 335 iP 49 03.60 0.5
BCH 79.10 56 (P) 49 08.10 0.4
HFS 79.59 336 eP 49 09.50 -0.2
0.9s 9.70nm 4.8mb
Z 18s 0.44um 4.8Msz
LR 20 17.00
NB2 79.75 338 P 49 10.60 0.0
0.5s 1.50nm 4.2mb
ABL 79.88 56 (P) 49 11.85 -0.2
HVU 80.54 47 eP 49 16.51 1.1
SSK 81.29 55 iPc 49 17.44 -2.0
DUG 81.38 48 eP 49 19.11 -0.7
1.0s 12.94nm 4.9mb
DAU 82.25 47 (P) 49 24.02 -0.5
ARUT 82.29 50 eP 49 25.18 0.5
MSU 82.73 49 iPc 49 28.06 1.1
EMUT 82.87 48 iPc 49 28.64 0.9
VRI 83.32 320 eP 49 31.50 1.9
SRU 83.45 48 iPc 49 31.22 0.6
UZH 83.89 324 eP 49 33.50 1.2
Z 16s 1.50um 5.5MszX
N 15s 1.50um
E 15s 2.00um
e 49 46.60 44km
GLA 83.93 55 eP 49 32.78 -0.2
OJC 84.05 327 eP 49 34.50 1.4
KSP 85.22 329 ePc 49 39.70 0.7
id 49 40.50 3kmX
BRG 86.24 330 eP 49 44.30 0.3
2.0s 34.00nm 5.2mb
i 49 55.50 36km
CLL 86.32 330 iP 49 44.70 0.3
1.8s 29.00nm 5.2mb
GOL 86.33 45 eP 49 46.95 1.9
1.8s 53.02nm 5.5mb
PRU 86.62 329 eP 49 45.50 -0.4
Z 18s 0.50um 5.0Msz
e 50 04.00 66kmX
ZST 86.72 326 eP 49 59.40 12.9X
MOX 87.40 331 eP 49 50.00 0.3
KHC 87.68 329 P 49 51.50 0.4
Z 14s 0.80um 5.3MszX
N 14s 0.50um
E 14s 0.60um
e 50 21.80 116kmX
e 06 36.00
GEC2 87.83 328 P 49 49.90 -2.1
0.7s 1.29nm 4.3mb
GRF 88.29 330 e(P) 49 55.00 1.0
Z 19s 0.20um 4.6Msz
CDF 90.93 331 eP 50 07.20 0.7
LOR 93.22 333 eP 50 17.40 0.4
0.8s 5.10nm 5.0mb
Z 22s 0.43um 4.9Msz
LBF 93.41 332 eP 50 18.20 0.3
0.8s 5.65nm 5.0mb
LPL 93.44 330 eP 50 18.90 0.6
0.6s 5.25nm 5.1mb
LPG 93.45 330 eP 50 19.10 0.6
0.6s 7.20nm 5.3mb
SSF 93.53 333 eP 50 19.10 0.7

0.9s 8.70nm 5.2mb
SMF 93.74 332 eP 50 20.00 0.6
AVF 93.81 333 eP 50 20.40 0.7
0.9s 12.80nm 5.4mb
GRR 94.05 336 eP 50 21.50 0.7
LPF 94.42 336 eP 50 23.50 1.0
SBF 94.43 328 eP 50 22.20 -0.5
0.7s 5.85nm 5.1mb
TUL 94.54 43 eP 50 23.40 0.1
1.3s 9.90nm 5.1mb
MAF 94.59 333 eP 50 24.30 1.0
1.3s 15.15nm 5.3mb
TCF 94.67 333 eP 50 24.50 0.7
VVO 94.97 44 eP 50 25.70 0.5
LSF 94.97 333 eP 50 25.80 0.7
CCM 95.59 39 eP 50 28.71 0.7
1.4s 9.44nm 5.1mb
ARE 146.78 72 ePKP 56 43.00 -1.0
ZOBO 149.40 68 iPKPc 56 54.10 5.5X
1.2s 27.70nm
LR 47 06.00
LPB 149.56 69 PKP 56 52.20 3.6X
1.2s 62.50nm
CNCB 149.81 69 iPKPd 56 56.00 6.9X
CCH 151.59 68 (PKP) 56 56.00 4.5X
SIV 154.66 59 ePKP 57 05.00 9.6X
i 57 19.60
S.D. = 1.1 on 138 of 160 obs.

& JUN 29, 1992 07h 50m 58.53s
34.521 N 116.546 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.4 (GS).

PEC 0.81 219 iPd 51 13.64 -1.0
S 51 25.52
SSK 1.00 252 iPd 51 17.08 -1.4
iS 51 31.02
PLM 1.19 193 iPd 51 21.10 -0.7
ABL 2.23 279 ePn 51 35.24 -2.2
TPNV 2.43 6 eP 51 39.37 -1.0
eS 52 16.01
BCH 2.98 284 ePn 51 47.30 -0.8
PKEM 3.29 299 (P) 51 52.73 0.3
TNP 3.59 352 ePn 51 55.55 -1.3
BONR 3.71 338 ePn 51 57.70 -0.9
ARUT 4.12 37 iP 52 02.63 -1.6
ARN 4.93 306 ePn 52 14.79 -1.0
MSU 5.32 40 (Pn) 52 19.61 -1.8
12 obs. associated

& JUN 29, 1992 07h 52m 14.58s
34.623 N 116.675 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.6 (PAS), 3.3 (GS).

PEC 0.83 209 iPc 52 30.03 -1.2
S 52 41.32
SSK 0.94 244 iP 52 32.18 -1.1
PLM 1.28 187 iP 52 38.55 -0.7
ABL 2.11 277 ePn 52 50.08 -1.7
TPNV 2.35 8 (P) 52 55.06 -0.1
S 53 30.14
BCH 2.86 282 eP 53 00.78 -1.6
TNP 3.48 353 P 53 18.83 7.5
7 obs. associated

% JUN 29, 1992 07h 56m 32.08± 2.35s
43.301 N ±15.4km 18.783 E ±11.0km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.7 (TTG).

BRY 0.44 204 iPgd 56 40.79 -0.2
iSg 56 47.29
PLE 0.45 86 iPgd 56 41.02 -0.2
iSg 56 47.64
NKY 0.51 162 iPgc 56 42.07 -0.4
iSg 56 49.73
HCY 0.88 194 iPgc 56 48.82 -0.1
iSg 57 01.79
IVA 0.92 117 iPgc 56 49.68 -0.1
iSg 57 03.19
TTG 0.94 158 iPgc 56 49.98 0.0
iSg 57 03.71

29d 07h

BDV 1.02 178 iPgd 56 51.36 0.0
iSg 57 06.29
PVY 1.12 129 iPgc 56 53.37 0.1
iSg 57 09.88
ULC 1.38 165 iPgc 56 58.24 0.9
iSg 57 18.49
S.D. = 0.4 on 9 of 9 obs.

& JUN 29, 1992 07h 58m 31.03s
37.638 N 118.985 W
DEPTH = 7.2km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 3.4 (GM).

TNP 1.47 72 eP 58 58.89 0.8
KVN 1.57 26 eP 59 00.38 0.8
PKEM 1.81 210 eP 59 03.58 0.7
eS 59 25.72
ARN 2.05 263 eP 59 07.15 0.9
eS 59 32.72
PHAM 2.13 213 eP 59 08.04 0.6
TPNV 2.29 107 eP 59 10.29 0.4
BCH 2.60 200 ePc 59 14.66 0.3
ORV 2.75 315 eP 59 17.41 1.1
eS 59 53.76
ABL 2.79 184 eP 59 16.45 -0.6
eS 59 52.21
LBFM 4.33 330 (P) 59 45.86 6.9
ARUT 4.40 86 (P) 59 41.51 1.6
11 obs. associated

& JUN 29, 1992 08h 04m 27.90s
34.110 N 116.384 W
DEPTH = 1.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.4 (PAS), 2.9 (GS).

PEC 0.68 252 iPc 04 40.77 -0.7
S 04 50.22
PLM 0.85 208 iPd 04 44.08 -0.9
iS 04 56.18
SSK 1.09 276 ePnc 04 48.40 -1.0
GLA 1.67 129 ePn 04 56.00 -2.5
ABL 2.46 288 ePn 05 07.67 -2.3
TPNV 2.83 2 (P) 05 14.27 -1.1
S 05 58.58
BONR 4.14 339 ePn 05 32.75 -1.2
ARUT 4.38 32 ePn 05 35.78 -1.5
MSU 5.55 37 (P) 05 53.66 -0.3
9 obs. associated

& JUN 29, 1992 09h 09m 55.19s
34.578 N 116.525 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.2 (PAS). ML 3.3
(GS).

PEC 0.86 218 iPd 10 11.30 -1.1
SSK 1.03 250 eP 10 14.32 -1.5
PLM 1.25 193 ePc 10 18.53 -1.0
S 10 34.84
GLA 2.08 137 ePn 10 28.31 -3.5
ABL 2.24 278 ePn 10 31.67 -2.6
eS 11 06.87
TPNV 2.38 5 ePn 10 33.44 -2.8
S 11 11.07
BCH 2.99 283 ePn 10 42.78 -2.1
PHAM 3.41 293 (P) 10 47.72 -3.1
TNP 3.54 351 ePn 10 51.00 -1.8
ARUT 4.06 37 eP 10 58.27 -1.8
ARN 4.91 306 ePn 11 09.56 -2.6
MSU 5.26 40 ePn 11 15.48 -1.8
12 obs. associated

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* JUN 29, 1992 09h 15m 29.00± 1.61s
9.280 N ±18.5km 70.384 W ±17.5km
DEPTH = 15.8 ± 8.1 km
VENEZUELA (101)

SDV 0.46 212 iPgc 15 38.50 0.1
iSg 15 44.40
TOV 0.77 49 iPgc 15 42.90 -0.7
iSg 15 52.90
CEOS 2.04 97 iP 16 02.80 -0.4
iS 16 30.00
GUAC 3.20 73 eP 16 20.50 0.7
eS 17 03.80
OLLA 3.61 78 iP 16 25.60 0.1
eS 17 17.70
LLAV 3.72 71 iP 16 28.40 1.3
GUAN 4.72 81 eP 16 40.50 -0.9
ZOBO 25.50 175 (P) 20 59.00 -0.1
S.D. = 0.9 on 8 of 8 obs.

& JUN 29, 1992 09h 20m 20.39s
34.377 N 116.460 W
DEPTH = 1.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.1 (PAS), 2.7 (GS).

PEC 0.76 230 iPd 20 34.50 -1.0
S 20 44.94
SSK 1.03 261 ePn 20 39.45 -1.4
iS 20 54.12
PLM 1.07 198 iPd 20 40.38 -1.1
GLA 1.90 134 eP 20 51.09 -3.1
ABL 2.33 283 ePn 20 58.83 -1.7
TPNV 2.57 4 ePn 21 00.41 -3.6
BCH 3.09 286 (P) 21 13.09 1.8
TNP 3.75 351 ePn 21 19.09 -1.7
ARUT 4.19 35 eP 21 23.55 -3.4
9 obs. associated

? JUN 29, 1992 09h 32m 48.26± 4.48s
39.407 S ±29.2km 71.398 W ±83.8km
DEPTH = 33.0km (normal)
S. CHILE-ARGENTINA BORDER REGION(145)

CACH 5.32 7 iPc 34 08.70 1.1
iS 35 02.50
LNV 5.44 360 iPd 34 09.40 0.3
iS 35 00.70
CHCH 5.50 6 eP 34 10.90 0.9
iS 35 05.30
TACH 5.75 4 iPd 34 12.90 -0.7
iS 35 08.60
PCH 5.82 7 iP 34 14.60 0.0
iS 35 12.70
SAN 5.97 6 iPc 34 16.30 -0.4
FCH 6.13 9 iP 34 18.90 -0.4
iS 35 21.50
PEL 6.28 5 iPd 34 20.00 -1.0
iS 35 21.80
CNCB 22.71 9 P 37 49.20 0.2
LPB 22.97 8 eP 37 57.00 5.6X
ZOBO 23.21 8 eP 37 59.00 5.1X
KIC 76.38 70 P 44 36.10 -0.1
S.D. = 0.8 on 10 of 12 obs.

JUN 29, 1992 09h 42m 33.04± 0.96s
43.992 N ± 6.7km 6.105 E ± 9.8km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.4 (LDG).

CDR 0.40 218 eP 42 40.40 -0.8
LRG 0.57 161 Pg 42 45.60 1.1
Sg 42 55.40
FRF 0.58 137 Pg 42 45.00 0.2
Sg 42 52.90
LMR 0.72 156 Pg 42 48.50 1.3
Sg 42 59.20
SBF 0.97 97 Pg 42 51.30 -0.2
Sg 43 03.00
LPG 1.57 17 Pg 43 01.60 0.3
Sg 43 21.30
LPL 1.59 16 Pg 43 01.90 0.4
Sg 43 21.30
PGF 2.56 123 Pn 43 13.20 -2.1
S.D. = 1.3 on 8 of 8 obs.

& JUN 29, 1992 10h 02m 38.53s
34.981 N 116.939 W
DEPTH = 2.5km
3.3mb (1 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.5 (GS).

SSK 0.99 219 iPd 02 56.66 -1.5
PEC 1.10 190 iPd 02 58.61 -1.3
S 03 14.02
PLM 1.62 178 iPd 03 07.29 -1.1
ABL 1.88 267 ePn 03 10.50 -1.6
BCH 2.59 275 ePn 03 19.90 -2.3
PKEM 2.80 294 ePn 03 24.12 -1.1
PHAM 2.95 288 ePn 03 25.11 -2.2
KVN 4.17 347 (P) 03 44.17 -0.5
ARN 4.40 304 ePn 03 46.32 -1.6
SES 16.00 14 eP 06 30.00 3.9
YKA 27.57 2 eP 08 37.20 8.7
0.8s 0.50nm 3.3mb
11 obs. associated

% JUN 29, 1992 10h 06m 38.57± 0.80s
42.641 N ± 6.0km 13.230 E ± 9.1km
DEPTH = 5.0km (geophysicist)
CENTRAL ITALY (381)

AQU 0.31 156 P 06 44.70 -0.2
eSg 06 50.20
MNS 0.48 238 P 06 48.00 -0.2
eSg 06 55.20
ASS 0.60 316 P 06 50.70 0.1
eSg 06 59.90
AZI 0.67 167 P 06 52.80 0.8
eSg 07 03.00
ARV 0.88 346 P 06 56.00 0.0
eSg 07 08.50
SDI 1.03 155 P 06 58.00 -0.5
eSg 07 13.00
S.D. = 0.6 on 6 of 6 obs.

JUN 29, 1992 10h 14m 22.28± 0.31s
36.705 N ± 2.6km 116.293 W ± 1.9km
DEPTH = 8.8 ± 1.8 km
5.6mb (76 obs.) 5.4Msz (26 obs.)
CALIFORNIA-NEVADA BORDER REGION (40)
Mo=2.5*10**17 Nm (PPT).
Department of Energy buildings
at the Nevada Test Site
sustained considerable damage.
Minor damage occurred at Beatty,
Amargosa Valley and Mercury,
Nevada. Felt at Las Vegas,
Nevada.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 68C
Centroid Location:
Origin Time 10:14:31.7 0.2
Lat 36.60N 0.03 Lon 116.68W 0.04
Dep 15.0 FIX Half-duration 2.8
Moment Tensor; Scale 10**17 Nm
Mrr=-4.17 0.10 Mtt= 1.19 0.14
Mff= 2.98 0.14 Mrt=-1.40 0.34
Mrf= 0.43 0.41 Mtf= 2.72 0.11
Principal Axes:
T Val= 4.97 Plg= 3 Azm=127
N -0.28 20 218
P -4.69 70 28
Best Double Couple:Mo=4.8*10**17
NP1:Strike=197 Dip=45 Slip=-118
NP2: 54 51 -65

LSM 0.04 25 iPc 14 24.54 0.3
SDH 0.07 211 iPc 14 24.95 0.4
CDH1 0.16 353 iP 14 25.75 -0.1
LOP 0.18 34 ePc 14 26.25 -0.1
TPNV 0.25 8 eP 14 27.74 0.2
WCT 0.27 286 iPc 14 27.86 -0.1
JON 0.31 150 eP 14 28.00 -0.6
FMT 0.40 261 iP 14 30.00 -0.4
PANV 0.72 245 iPd 14 36.15 -0.5
MCA 0.80 266 iPc 14 37.25 -0.6
TNP 1.56 332 iPd 14 49.85 -0.6
BONR 2.03 309 eP 14 56.83 -0.5
ARUT 2.52 64 ePc 15 03.32 -0.9
SSK 2.74 205 (P) 15 14.74 7.3X
KVN 2.74 329 ePd 15 06.67 -0.8
ABL 3.02 233 eP 15 07.38 -3.9X
PKEM 3.15 259 ePc 15 13.51 0.6
PHAM 3.43 257 eP 15 16.98 0.0
BCH 3.43 245 ePc 15 16.26 -0.9
MSU 3.74 60 eP 15 21.02 -0.6
ARN 4.24 280 eP 15 29.00 0.4
DUG 4.43 37 eP 15 30.10 -1.2
ORV 4.99 306 eP 15 39.40 0.2
SRU 5.16 61 eP 15 41.82 0.1
EMUT 5.31 53 eP 15 44.84 0.9
DAU 5.41 45 eP 15 47.11 1.7

NWRM 5.52 290 eP 15 48.15 1.5
HVU 5.76 27 eP 15 48.61 -1.5
LTCM 5.76 309 eP 15 51.16 1.2
LBFM 6.36 318 eP 15 59.04 0.3
FHC 7.27 307 eP 16 12.43 1.1
GOL 9.10 68 eP 16 37.27 0.2
VGB 9.43 340 eP 16 43.25 2.0
SHW 10.47 337 eP 16 56.53 0.8
LON 10.85 339 eP 17 02.29 1.5
BMW 11.05 334 eP 17 04.40 0.8
DPW 11.25 353 ePd 17 06.62 0.4
RMW 11.50 341 eP 17 11.15 1.5
GMW 11.85 338 eP 17 16.56 2.2
PNT 12.84 350 P 17 28.50 0.9
2.0s 51.40nm 5.4mb
PGC 13.04 339 eP 17 35.00 4.8X
1.0s 145.00nm 6.1mb
SES 14.20 14 P 17 45.00 -0.6
2.6s 57.00nm 4.8mb
OCO 15.26 89 iPc 18 02.00 2.5
FNO 15.37 90 iPc 18 02.00 1.1
SIO 16.16 87 eP 18 13.20 2.0
TUL 16.55 87 ePd+ 18 17.00 0.9
1.6s 321.90nm 5.2mb
Z 12s 55.23um 4.9MszX
S 21 19.00
Lg 22 53.20
LR 23 45.00
VVO 16.69 89 eP 18 18.50 0.6
CCM 19.94 79 eP 18 56.13 -1.2
1.0s 127.92nm 5.2mb
ULM 19.98 41 ePd 18 57.00 -0.7
OLY 20.08 86 eP 18 57.59 -1.3
FVM 20.59 79 eP 19 03.75 -0.4
0.9s 137.43nm 5.3mb
LST 21.30 83 eP 19 11.32 -0.1
PWLA 22.92 86 ePc 19 29.47 1.9
SIT 24.00 334 eP 19 38.86 1.0
1.9s 482.46nm 5.8mb
Z 19s 6.62um 5.1Msz
YKA 25.84 2 eP 19 54.70 -0.6
0.9s 70.50nm 5.4mb
TKL 26.20 82 ePd 19 59.08 0.0
FCC 26.41 26 eP 20 01.00 0.4
DLA 27.25 66 P 20 09.00 0.5
ELF 27.45 65 P 20 10.00 -0.3
LDN 27.54 66 P 20 10.50 -0.6
PRM 27.70 85 eP 20 12.98 0.2
NAV 28.26 78 eP 20 17.29 -0.5
ACTO 28.37 65 P 20 18.83 0.1
TYNO 28.50 66 P 20 19.66 -0.2
JSC 28.54 84 eP 20 20.04 -0.2
BLA 28.57 78 eP 20 20.95 0.4
0.9s 32.94nm 5.1mb
MCWV 28.68 73 P 20 30.00 8.5X
Z 20s 5.91um 5.2Msz
LHS 28.84 84 eP 20 21.43 -1.6
EEO 29.28 58 eP 20 27.50 0.7
BALM 29.39 334 eP 20 27.27 -0.6
SGS 29.43 86 (P) 20 29.42 1.1
WLVO 29.58 64 P 20 29.60 0.0
CEH 29.87 80 eP 20 31.70 -0.6
0.8s 37.30nm 5.3mb
Z 21s 2.27um 4.8Msz
CVL 29.97 76 eP 20 33.36 0.2
CBN 30.78 75 eP 20 40.00 -0.2
KLU 30.99 333 eP 20 41.92 0.0
TOA 31.47 333 eP 20 47.60 1.4
KDC 31.78 323 eP 20 51.10 2.3
SLKM 32.10 329 eP 20 52.42 0.7
PMR 32.27 331 eP 20 52.63 -0.4
1.6s 251.65nm 5.9mb
Z 19s 3.63um 5.1Msz
RSNY 32.36 63 P 21 00.00 5.9X
Z 20s 5.77um 5.3Msz
LVNJ 32.42 70 eP 20 53.91 -0.7
TBR 32.80 69 eP 20 57.19 -0.7
TXNY 32.82 69 iP 20 58.00 0.0
GMTN 32.85 70 eP 20 57.60 -0.8
PNJ 32.87 70 iP 20 58.80 0.3
PcS 31 06.20
LQ 31 32.60
LR 31 54.00
REF 33.15 327 eP 21 01.28 0.3
CRP 33.31 329 ePc 21 02.69 0.4
CPKM 33.34 329 iPc 21 01.97 -0.7
FBA 33.85 336 eP 21 05.86 -0.9

HRV 34.64 66 eP 21 13.73 -0.1
1.3s 61.20nm 5.3mb
SVW 34.70 327 eP 21 13.81 -0.4
1.0s 111.27nm 5.7mb
SDN 35.16 316 eP 21 19.10 1.0
1.0s 233.63nm 6.0mb
Z 19s 7.78um 5.5Msz
TTA 35.71 330 eP 21 22.55 -0.3
1.6s 196.52nm 5.7mb
IMA 36.50 335 ePd 21 28.94 -0.6
1.4s 191.37nm 5.7mb
LMN 39.16 60 ePc 21 53.00 1.1
HON 39.24 259 P 22 00.00 7.2X
Z 19s 2.78um 5.1Msz
MBC 39.66 359 eP 21 55.00 -0.6
1.0s 264.00nm 5.9mb
ANM 40.17 330 eP 21 57.46 -2.6
BRW 40.49 341 eP 22 03.22 0.7
ADK 44.51 310 eP 22 32.97 -2.6
1.0s 81.25nm 5.6mb
BMG 49.15 116 eP 23 13.00 0.3
SDV 49.73 112 eP 23 18.00 0.7
TOV 49.78 111 eP 23 20.00 2.5
SMY 50.00 312 P 23 30.00 11.4X
Z 21s 2.71um 5.2Msz
BOG 50.15 119 iP 23 27.50 6.9X
iS 30 36.00
CAR 51.50 108 eP 23 29.00 -1.6
CUM 53.65 105 iP 23 49.00 2.5
KBS 60.81 10 eP 24 35.30 -1.2
NNA 61.03 135 eP 24 38.00 -0.7
1.0s 17.00nm 5.1mb
ARE 67.69 133 eP 25 23.00 0.5
YAK 68.25 332 iPc+ 25 24.20 -0.8
2.0s 428.00nm 6.3mb
Z 17s 3.50um 5.7MszX
N 17s 2.80um
E 17s 1.50um
eS 34 30.00
TRO 69.04 15 eP 25 29.00 -0.8
ZOBO 69.58 130 iPc 25 33.80 -0.8
1.0s 17.50nm 5.2mb
SKS 34 42.00
LR 48 46.00
LPB 69.78 130 P 25 35.30 -0.3
SKS 34 44.00
LR 49 20.00
CNCB 70.07 130 P 25 38.00 0.5
KEV 70.51 13 iP 25 37.50 -1.3
0.9s 38.90nm 5.5mb
DMU 71.22 36 iPc 25 42.40 -1.0
DCN 71.38 37 iPc 25 43.40 -0.9
CCH 71.64 129 P 25 47.00 0.3
KUSJ 71.75 310 eP 25 42.90 -3.9X
DLF 71.77 36 iPc 25 45.80 -0.8
0.9s 115.00nm 6.0mb
EKA 72.06 34 Pd 25 46.30 -2.1
1.3s 50.70nm 5.5mb
ECB 72.21 37 eP 25 48.40 -0.9
ETA 72.29 37 eP 25 49.10 -0.7
ASAJ 72.44 312 eP 25 50.60 -0.2
HOOJ 73.02 310 eP 25 53.00 -1.3
NB2 73.64 24 P 25 55.40 -2.2
1.0s 62.60nm 5.6mb
SIV 73.86 125 eP 25 59.00 -0.5
KONO 74.13 25 iPd 26 00.50 0.1
HFS 75.12 23 eP 26 04.60 -1.5
0.9s 100.20nm 5.9mb
Z 16s 1.46um 5.4MszX
LR 54 40.00
OFUJ 75.93 308 eP 26 11.10 0.0
UPP 76.56 22 iP 26 13.20 -1.0
KAF 77.00 17 iP 26 15.80 -0.9
0.9s 28.40nm 5.4mb
STS 77.08 46 iPc 26 17.00 -0.5
YAMJ 77.49 308 P 26 20.50 0.7
FLN 77.60 38 eP 26 19.70 -0.5
1.4s 128.50nm 5.8mb
Z 19s 2.35um 5.5Msz
GRR 77.67 38 eP 26 20.20 -0.4
1.2s 77.65nm 5.7mb
LPF 77.82 38 eP 26 20.80 -0.6
1.2s 74.70nm 5.7mb
LDF 77.89 38 eP 26 21.30 -0.5
1.4s 112.40nm 5.8mb
DBN 77.90 33 eP 26 22.00 0.3
e 29 14.00

NUR 77.97 19 iP 26 21.60 -0.4
0.9s 39.50nm 5.5mb
WIT 78.02 31 eP 26 24.00 1.6
ERUA 78.20 46 eP 26 23.20 -0.5
UCC 78.47 34 P 26 25.00 0.1
SNF 78.64 34 Pc 26 26.10 0.2
WTS 78.68 32 iPc 26 23.50 -2.5
1.0s 39.00nm 5.4mb
NIIJ 78.71 308 P 26 26.30 -0.2
DOU 79.07 34 Pc- 26 29.00 0.7
1.0s 36.10nm 5.4mb
e 27 25.80
PP 29 30.00
S 36 30.00
ENN 79.18 33 iPc 26 29.70 0.9
MFF 79.23 39 eP 26 28.70 -0.5
1.2s 73.80nm 5.6mb
CHJJ 79.44 307 eP 26 30.50 -0.1
MDJ 79.51 318 Pd 26 30.00 -0.8
1.0s 18.00nm 5.0mb
Z 40s 3.92um 5.4MszX
N 16s 1.43um
E 16s 1.62um
S 36 36.00
SKS 36 44.00
MAT 79.64 308 iPc 26 31.90 0.3
1.3s 125.00nm 5.7mb
Z 20s 1.06um 5.2Msz
eS 36 31.00
WLF 80.09 34 iPc 26 34.84 1.2
EPLA 80.30 47 iPc 26 34.50 -0.7
LSF 80.32 39 eP 26 34.30 -0.8
1.4s 61.85nm 5.4mb
TCF 80.63 38 eP 26 36.00 -0.8
1.2s 50.60nm 5.4mb
ECRI 80.67 43 iPc 26 38.00 0.9
SSF 80.72 37 eP 26 36.70 -0.5
1.4s 89.75nm 5.6mb
LOR 80.74 37 eP 26 36.80 -0.5
1.2s 101.15nm 5.7mb
Z 20s 2.15um 5.5Msz
BGF 80.75 38 eP 26 36.50 -0.9
1.2s 65.45nm 5.5mb
LFF 80.82 40 eP 26 37.40 -0.3
1.3s 92.40nm 5.6mb
AVF 80.84 37 eP 26 37.00 -0.8
1.4s 73.60nm 5.5mb
MAF 80.85 38 eP 26 37.30 -0.6
1.5s 76.80nm 5.5mb
RJF 80.97 39 eP 26 37.90 -0.6
1.4s 94.55nm 5.6mb
Z 18s 2.22um 5.6Msz
LBF 81.00 37 eP 26 38.10 -0.6
1.3s 62.45nm 5.5mb
GUD 81.05 46 iPd 26 38.50 -0.7
VITF 81.06 35 P 26 39.28 0.3
SMF 81.18 37 eP 26 38.70 -0.9
1.3s 62.45nm 5.5mb
LPO 81.23 40 eP 26 39.50 -0.4
1.2s 64.55nm 5.5mb
AGO 81.25 38 P 26 39.73 -0.3
HAU 81.38 35 eP 26 40.20 -0.5
1.2s 59.80nm 5.5mb
Z 20s 2.83um 5.6Msz
EVAL 81.50 49 iPc 26 40.50 -0.9
PEL 81.50 143 iPc 26 43.00 1.6
1.0s 35.00nm 5.4mb
CDF 81.51 34 P 26 41.19 -0.2
CAF 81.51 39 eP 26 40.80 -0.6
1.1s 48.10nm 5.5mb
PLDF 81.55 38 P 26 41.21 -0.4
ECH 81.60 34 P 26 41.13 -0.6
TSRJ 81.67 308 eP 26 42.90 0.5
MOX 81.69 31 iPc 26 42.70 0.5
Z 22s 2.00um 5.4Msz
N 21s 2.00um
PP 29 45.00
S 37 03.00
BSF 81.71 35 eP 26 41.70 -0.8
1.2s 69.30nm 5.6mb
CLL 81.73 29 iPc 26 42.80 0.4
1.4s 41.00nm 5.3mb
Z 18s 1.50um 5.4Msz
MOF 81.85 35 P 26 42.74 -0.5
LBL 81.89 38 P 26 43.48 0.1
COLF 81.91 38 P 26 42.87 -0.6
EPF 81.93 41 eP 26 43.30 -0.3

29d 10h

1.4s 39.65nm 5.3mb
HOF 82.05 31 iPc 26 44.80 0.7
LOMF 82.08 35 P 26 43.89 -0.5
ETOR 82.12 44 iPc 26 45.40 0.7
EGRA 82.15 42 eP 26 47.50 2.8X
FEL 82.23 34 P 26 44.74 -0.5
CN2 82.24 320 Pd 26 44.00 -1.2
1.0s 37.00nm 5.5mb
Z 20s 1.48um 5.3Msz
N 16s 1.17um
E 16s 0.59um
ePP 29 53.00
eS 37 00.00
eSS 42 26.00
EHOR 82.25 48 eP 26 45.00 -0.3
GRF 82.26 31 ePd 26 45.00 -0.2
2.0s 216.00nm 5.9mb
Z 19s 2.60um 5.6Msz
BRG 82.44 29 iPc 26 46.60 0.5
1.0s 30.00nm 5.4mb
SLE 82.53 34 ePc 26 47.20 0.5
ZLA 82.70 34 ePc 26 48.50 0.9
EPRU 82.82 49 eP 26 48.50 0.1
RSL 83.21 36 P 26 49.14 -1.2
EVIA 83.33 46 iPc 26 51.50 0.5
KSP 83.37 28 ePc 26 51.40 0.5
e 30 01.00
PRU 83.38 29 eP 26 51.00 0.1
1.2s 28.70nm 5.4mb
Z 18s 2.00um 5.5Msz
N 21s 0.60um
E 19s 1.30um
e 26 57.50
e 28 27.00
PP 30 03.00
S 37 21.00
LPL 83.38 36 eP 26 51.60 0.2
1.2s 33.05nm 5.4mb
LPG 83.41 36 eP 26 52.00 0.4
1.4s 57.05nm 5.6mb
LLS 83.43 34 ePc 26 52.90 1.4
FUR 83.45 32 eP 26 51.50 0.1
Z 16s 3.00um 5.8MszX
MAL 83.47 49 iPc 26 53.00 1.4
iS 37 14.00
EBR 83.53 43 eP 26 48.00 -3.9X
MMK 83.57 35 ePc 26 53.80 1.5
LSD 83.63 36 P 26 53.55 0.9
KHC 83.67 30 iPc 26 53.00 0.5
1.7s 46.00nm 5.4mb
Z 18s 2.10um 5.6Msz
N 20s 1.10um
E 20s 1.80um
e 29 17.00
ePP 30 04.00
eS 37 21.00
e 45 58.00
Sg 46 41.50
BNI 83.70 37 P 26 54.20 1.3
AVE 83.84 53 iP 26 54.50 0.9
RRL 83.85 37 P 26 54.16 0.4
RSP 83.90 36 P 26 54.26 0.4
EGUA 83.91 48 iPc 26 54.00 0.1
VDL 83.93 34 ePc 26 55.80 1.7
GEC2 83.94 31 PKP 26 50.40 -3.6X
1.1s 16.93nm 5.2mb
GEC2 83.94 31 P 26 58.20 4.2X
TMA 83.95 35 ePc 26 55.30 1.1
OSS 84.09 34 ePc 26 56.20 1.4
CDR 84.26 38 ePc 26 55.30 -0.2
WTTA 84.30 33 iPc 26 56.20 0.3
2.6s 271.00nm 6.0mb
PZZ 84.31 37 P 26 56.42 0.5
OGA 84.34 33 iPc 26 57.50 1.4
IRK 84.57 336 ePd- 26 57.00 0.0
6.0s 0.67nm 3.0mb X
e 27 13.00
eS 37 31.00
ePS 38 26.00
LR 04 23.00
STV 84.61 37 P 26 56.42 -1.0
SNY 84.61 320 iPd 26 57.00 -0.3
Z 18s 2.02um 5.5Msz
E 14s 1.00um
S 37 19.00
PPD 84.64 122 eP 26 59.20 1.5
ENR 84.67 37 P 26 56.31 -1.4
LRG 84.72 38 eP 26 57.90 0.1
1.9s 177.15nm 6.0mb
Z 19s 1.50um 5.4Msz
TOUF 84.74 37 P 26 58.04 -0.2
CALN 84.76 38 P 26 58.13 -0.1
FRF 84.78 38 eP 26 57.90 -0.2
1.7s 128.65nm 5.9mb
MVIF 84.78 37 P 26 58.10 -0.2
AUTN 84.84 37 P 26 58.47 -0.3
AURF 84.87 37 P 26 58.39 -0.3
LMR 84.88 38 eP 26 58.50 -0.1
1.3s 59.95nm 5.7mb
SAOF 84.91 37 P 26 58.86 0.0
SBF 84.94 37 eP 26 58.30 -0.7
1.7s 81.60nm 5.7mb
PCP 84.97 36 P 26 58.37 -0.8
FIN 85.06 37 P 26 59.08 -0.5
IMI 85.13 37 P 26 58.98 -1.0
KBA 85.18 32 iPc 27 00.50 0.2
2.0s 63.60nm 5.5mb
i 27 43.30
CTI 85.25 33 P 27 00.70 0.1
VKA 85.46 30 iPd 27 00.70 -0.7
6.0s 672.00nm 6.0mb X
Z 14s 1.60um 5.6MszX
LR 09 25.00
ESEL 85.58 42 eP 27 04.00 1.8
ITR 85.59 104 eP 27 03.30 0.7
SHNJ 85.63 310 P 27 03.70 1.2
OBN 85.65 15 iPc 27 02.00 -0.3
1.4s 130.00nm 5.9mb
Z 18s 3.20um 5.8Msz
N 16s 0.60um
E 18s 2.50um
iPcP 27 08.00
i 27 35.00
i 27 47.00
ePP 30 16.00
eS 37 28.00
ePS 38 30.00
(SS) 43 20.00
(SSS) 46 40.00
LR 00 00.00
ZST 85.82 29 eP 27 03.90 0.7
e 47 02.60
VOY 86.24 32 e(P) 27 05.20 -0.3
TRI 86.44 33 ePc 27 08.00 1.7
i 30 24.00
i 39 48.00
i 46 08.00
SRO 86.60 29 iP 27 08.20 1.1
PGF 86.68 37 P 27 07.27 -0.5
FIR 86.82 35 eP 27 08.00 -0.2
KUMJ 86.87 309 P 27 09.20 0.5
VBY 87.24 32 e(P) 27 10.60 0.4
e 28 02.50
DL2 87.75 319 Pd 27 13.00 0.2
1.0s 83.00nm 6.0mb
Z 18s 0.92um 5.2Msz
E 15s 1.50um
sS 38 00.00
GUMO 88.92 286 eP 27 15.60 -3.1X
BJI 89.69 322 eP 27 21.00 -1.0
2.0s 190.00nm 6.0mb
Z 32s 1.91um 5.3MszX
ePP 30 52.00
HHC 91.22 326 Pd 27 29.00 -0.3
1.4s 58.00nm 5.7mb
Z 48s 2.87um 5.3MszX
N 14s 0.81um
E 12s 0.77um
PP 31 06.00
BTO 92.12 327 P 27 33.00 -0.4
N 15s 0.74um
E 15s 1.50um
sP 27 39.00
PP 31 12.50
eSKS 38 07.00
eS 38 40.00
TIA 92.14 319 eP 27 33.30 -0.1
2.2s 130.00nm 5.9mb
Z 44s 4.01um 5.5MszX
TIY 93.32 323 Pd 27 38.50 -0.4
Z 20s 1.75um 5.5Msz
N 17s 1.61um
E 16s 1.57um
pP 27 46.00 23kmX
PP 31 25.00
SSE 93.71 314 Pc 27 37.00 -3.7X
1.4s 39.00nm 5.6mb
Z 20s 0.90um 5.2Msz
eSKS 38 10.00
NJ2 94.34 316 Pc 27 44.00 0.4
WMO 96.94 343 eP 27 53.00 -2.5
Z 26s 1.19um 5.3MszX
PP 31 54.00
GTA 97.28 333 P 27 58.00 0.9
1.0s 9.00nm 5.3mb
Z 24s 2.11um 5.5MszX
PP 31 51.00
PKI 112.88 339 PKP 33 00.00 -1.9X
WRA 116.90 264 PKP 33 09.90 0.5
0.8s 3.90nm
ASPA 119.16 261 iPKPc 33 13.40 -0.2
0.9s 8.20nm
BCAO 121.28 56 iPKPc 33 18.00 0.1
0.7s 24.00nm
id 34 47.10
SPA 126.52 180 iPKPc 33 27.40 0.8
0.9s 5.00nm
SUR 144.62 96 iPKPc 34 04.50 3.3X
0.8s 149.25nm
BUL 145.24 71 iPKPc 34 01.00 -1.5
0.9s 93.70nm
FRS 147.31 89 iPKPc 34 09.20 3.8X
0.9s 117.65nm
BLF 147.76 87 iPKPc 34 09.00 2.6X
1.1s 108.11nm
PRY 147.87 83 ePKP 34 07.70 1.0
1.0s 10.00nm
SLR 147.96 80 iPKPd 34 07.20 0.4
1.5s 277.78nm
Z 18s 2.06um 6.0Msz
SEK 148.59 85 iPKPc 34 13.50 5.7X
1.2s 221.88nm
MAW 149.05 179 iPKPd 34 09.00 2.0X
1.0s 75.00nm
S.D. = 0.9 on 262 of 283 obs.

& JUN 29, 1992 10h 22m 49.59s
34.080 N 116.389 W
DEPTH = 1.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.7 (PAS).

PEC 0.67 254 eP 23 02.15 -0.8
SSK 1.09 277 eP 23 09.97 -1.1
2 obs. associated

JUN 29, 1992 10h 31m 02.47± 0.40s
36.686 N ± 4.6km 116.238 W ± 4.2km
DEPTH = 5.0km (geophysicist)
4.3mb (6 obs.)
CALIFORNIA-NEVADA BORDER REGION (40)

BONR 2.08 308 iPc 31 38.19 -0.5
ARUT 2.49 63 eP 31 43.40 -1.1
SSK 2.74 206 ePn 31 48.23 0.1
eS 32 32.89
KVN 2.78 329 eP 31 47.43 -1.3
PEC 2.89 195 eP 31 50.10 0.0
iS 32 37.04
ABL 3.04 234 eP 31 51.06 -1.3
PKEM 3.19 260 ePn 31 54.90 0.7
PLM 3.36 189 ePn 31 56.39 -0.6
BCH 3.46 245 ePn 31 58.08 -0.2
PHAM 3.47 257 eP 31 58.36 0.1
MSU 3.71 59 ePn 32 00.92 -0.9
ARN 4.29 280 ePn 32 10.28 0.4
iS 33 17.63
DUG 4.42 36 ePn 32 11.27 -0.5
iS 33 21.76
ORV 5.04 306 ePn 32 19.88 -0.7
SRU 5.13 60 ePn 32 22.57 0.6
EMUT 5.29 52 ePn 32 25.67 1.4
DAU 5.39 45 eP 32 26.63 0.8
NWRM 5.57 290 (P) 32 32.61 4.6X
HVU 5.75 27 ePn 32 29.05 -1.7
LTCM 5.81 309 eP 32 31.64 0.3
LBFM 6.40 318 eP 32 38.97 -1.0
FHC 7.32 307 eP 32 54.94 2.3
LON 10.88 339 eP 33 43.25 1.3
BMW 11.09 334 (P) 33 44.01 -0.7
DPW 11.27 353 eP 33 46.63 -0.6

PNT 12.86 350 P 34 14.00 5.4X
1.1s 1.80nm 4.2mb
ULM 19.97 41 eP 35 38.50 0.2
FVM 20.55 79 eP 35 47.00 2.5X
1.0s 20.00nm 4.4mb
YKA 25.85 2 eP 36 33.60 -2.7X
0.7s 3.20nm 4.1mb
FBA 33.88 336 eP 37 47.70 -0.2
1.0s 6.00nm 4.5mb
NB2 73.64 24 P 42 40.00 1.6
0.9s 4.30nm 4.5mb
HFS 75.12 23 eP 42 48.20 1.2
0.6s 1.50nm 4.2mb
WRA 116.95 264 PKP 49 55.00 4.7X
0.9s 0.40nm
S.D. = 1.0 on 28 of 33 obs.

? JUN 29, 1992 10h 33m 07.14± 6.05s
43.928 N ±30.4km 6.338 E ±34.6km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 2.2 (LDG).

FRF 0.43 149 Pg 33 15.90 0.0
Sg 33 23.80
LRG 0.47 178 Pg 33 16.50 -0.3
Sg 33 25.90
LMR 0.61 168 Pg 33 19.70 0.3
Sg 33 30.70
SBF 0.80 94 Pg 33 22.60 -0.1
Sg 33 34.40
S.D. = 0.4 on 4 of 4 obs.

• JUN 29, 1992 10h 36m 57.75± 1.84s
34.157 N ± 9.0km 116.373 W ±16.6km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 4.0 (GS).

PEC 0.71 248 iP 37 12.29 0.4
PLM 0.90 207 iP 37 15.41 -0.2
ABL 2.45 287 ePn 37 39.56 0.3
BCH 3.23 290 ePn 37 49.35 -0.8
TNP 3.98 350 (P) 38 01.18 0.3
S.D. = 0.7 on 5 of 5 obs.

JUN 29, 1992 10h 37m 52.79± 0.38s
5.008 S ± 6.4km 100.800 W ± 7.7km
DEPTH = 10.0km (geophysicist)
5.4mb (15 obs.) 4.9Msz (12 obs.)
CENTRAL EAST PACIFIC RISE (694)

ACX 21.76 2 eP 42 48.87 2.2
OXX 22.31 10 (P) 42 46.05 -6.4X
III 23.27 3 (P) 43 05.00 3.2X
IIT 24.00 6 (P) 43 12.20 3.2X
PPM 24.02 5 eP 43 13.01 3.6X
UNM 24.24 4 (P) 43 14.80 3.5X
MRX 24.56 359 eP 43 17.31 3.3X
AGX 26.76 357 eP 43 38.30 3.6X
ZOBO 33.95 112 iPc 44 39.10 -0.3
1.1s 24.65nm 5.1mb
LPB 34.04 112 P 44 41.00 1.0
CNCB 34.23 113 iPc 44 42.30 0.6
CCH 36.07 113 P 44 58.00 0.8
FNO 40.18 4 iPc 45 30.90 0.0
VVO 40.41 6 eP 45 33.10 0.3
OCO 40.44 4 iPc 45 34.90 1.8
SIV 40.48 109 eP 45 33.00 -0.7
SIO 40.76 6 eP 45 33.30 -2.4
TUL 40.97 6 iPc 45 37.80 0.4
1.2s 492.80nm 6.1mb
OLY 41.24 12 eP 45 39.99 0.4
PWLA 41.54 16 eP 45 42.40 0.3
HBF 42.42 26 eP 45 50.56 1.2
SGS 42.58 25 ePd 45 51.81 1.1
LST 42.59 13 eP 45 51.18 0.5
PRM 42.60 23 eP 45 50.99 0.1
JSC 43.21 24 eP 45 55.92 0.1
TKL 43.50 20 eP 45 58.31 0.2
LHS 43.57 24 eP 45 58.83 0.1
CCM 43.75 11 eP 46 00.76 0.6
1.4s 148.20nm 5.6mb
Z 19s 0.76um 4.6Msz
CEH 45.49 25 P 46 20.00 5.8X
Z 22s 0.92um 4.7Msz
NAV 46.05 22 ePd 46 18.37 -0.3
BLA 46.10 23 eP 46 19.31 0.3
1.7s 144.35nm 5.7mb
DAU 46.21 349 ePd 46 21.70 1.6
CVL 47.54 24 ePc 46 29.85 -0.5
HVU 47.83 348 eP 46 33.04 0.3
ORV 48.28 339 ePd 46 37.47 1.4
MCWV 48.46 22 ePd 46 36.94 -0.6
Z 21s 1.49um 4.9Msz
LBFM 50.00 339 eP 46 49.75 0.2
LVNJ 51.46 25 eP 46 58.49 -1.9
TBR 51.97 25 iPd 47 03.53 -0.7
HRV 54.24 26 ePd 47 19.97 -1.0
1.6s 52.68nm 5.3mb
SHW 54.42 342 eP 47 23.12 0.6
RSNY 54.68 23 eP 47 23.20 -1.1
0.8s 2.03nm 4.2mb X
Z 19s 0.75um 4.8Msz
LON 54.79 342 ePd 47 24.10 -1.1
DPW 54.83 346 eP 47 24.82 -0.7
EEO 54.91 18 eP 47 26.00 0.0
BMW 54.99 341 ePd 47 26.37 -0.2
ULM 55.20 4 ePc 47 28.10 0.1
RMW 55.43 343 eP 47 29.10 -0.7
GMW 55.80 342 eP 47 31.15 -1.3
SES 55.89 352 ePc 47 32.10 -0.9
1.5s 158.00nm 5.8mb
PNT 56.53 345 ePc 47 37.00 -0.6
1.4s 108.00nm 5.7mb
LMN 59.91 28 eP 48 01.50 0.2
PDCR 61.30 101 eP 48 10.20 -1.1
HON 61.85 297 P 48 20.00 5.1X
Z 20s 0.47um 4.6Msz
ITR 61.98 97 iPc 48 14.80 -1.2
FCC 63.79 4 ePc 48 27.50 0.4
SIT 67.92 340 P 49 00.00 6.4X
Z 19s 0.60um 4.8Msz
YKA 68.14 353 eP 48 54.10 -0.7
1.1s 33.70nm 5.4mb
BALM 73.31 340 eP 49 26.35 0.0
KLU 74.86 339 eP 49 34.91 -0.4
PMR 76.08 338 eP 49 41.82 -0.2
1.8s 20.31nm 4.9mb
Z 20s 0.59um 4.9Msz
REF 76.76 336 ePd 49 45.78 -0.4
CRP 77.01 337 ePd 49 47.52 0.0
SDN 77.53 330 P 50 00.00 9.8X
Z 20s 165.87um 7.3MszX
FBA 77.79 341 eP 49 51.52 -0.1
1.4s 59.01nm 5.5mb
SVW 78.29 336 ePd 49 54.11 -0.3
1.3s 38.67nm 5.3mb
TTA 79.46 338 ePd 50 00.73 -0.1
1.8s 46.02nm 5.2mb
IMA 80.44 341 iPd 50 06.36 0.3
1.5s 25.23nm 5.0mb
MBC 81.84 356 ePc 50 13.50 0.5
1.4s 193.00nm 6.0mb
SPA 85.03 180 iPc 50 30.70 1.0
1.2s 21.13nm 5.2mb
i 17 36.80
SMY 90.98 323 P 51 10.00 11.8X
Z 20s 1.04um 5.3Msz
WMO 140.63 350 PKP 57 19.00 -5.8X
GTA 141.01 334 ePKP 57 21.00 -4.7X
Z 16s 2.86um 6.1MszX
N 14s 0.88um
LZH 141.66 327 ePKP 57 22.00 -5.0X
GAR 145.22 12 iPKP 57 33.10 0.2
1.1s ********nm
CD2 145.40 321 PKP 57 32.60 -0.8
Z 20s 1.87um 5.9Msz
KSH 145.58 4 PKPd 57 34.50 1.0
Z 20s 0.25um 5.0Msz
N 14s 0.19um
E 14s 0.10um
GYA 146.19 312 iPKPc 57 35.40 0.5
KMI 149.83 314 PKPd 57 46.00 5.2X
1.0s 40.00nm
Z 20s 1.60um 5.8Msz
pP 57 51.20
KMI 149.83 314 PKPd 57 41.00 0.2
Z 20s 1.60um 5.8Msz
QUE 152.42 23 ePKP 57 46.50 2.0
LSA 152.97 337 PKP 57 43.60 -2.0
NDI 156.38 4 ePKP 57 50.00 0.3
NNT 158.37 292 ePKP 58 04.00 11.6X
S.D. = 0.9 on 67 of 84 obs.

• JUN 29, 1992 10h 40m 49.85± 1.37s
36.756 N ±17.7km 116.236 W ± 7.1km
DEPTH = 10.0km (geophysicist)
3.8mb (1 obs.)
CALIFORNIA-NEVADA BORDER REGION (40)
ML 3.8 (GS).

TNP 1.54 330 iP 41 17.81 0.3
BONR 2.04 307 eP 41 24.91 0.1
ARUT 2.46 64 eP 41 28.99 -1.8
KVN 2.72 328 eP 41 34.47 -0.2
PKEM 3.20 259 eP 41 41.57 0.4
MSU 3.67 60 eP 41 48.58 0.5
ARN 4.28 280 eP 41 56.70 0.2
S 42 55.98
ORV 5.00 306 eP 42 06.76 0.0
S 43 28.17
SRU 5.09 61 eP 42 21.37 13.2X
EMUT 5.24 53 eP 42 13.80 3.4X
S 43 36.83
DAU 5.34 45 eP 42 14.49 2.6
SES 14.14 14 eP 44 19.00 6.8X
ULM 19.91 41 ePc 45 24.50 0.2
YKA 25.78 2 eP 46 20.00 -2.2
0.6s 1.20nm 3.8mb
S.D. = 1.4 on 11 of 14 obs.

? JUN 29, 1992 10h 45m 09.16±14.98s
51.595 N ±79.5km 16.472 E ±101.km
DEPTH = 10.0km (geophysicist)
POLAND (548)

KSP 0.76 189 iP 45 23.80 -0.2
0.3s 61.00nm
iS 45 33.40
BRG 1.74 247 iPg 45 39.00 -0.6
iSg 45 58.40
PRU 2.02 218 Pg 45 44.30 0.6
0.4s 17.20nm
eSn 46 00.00
Sg 46 07.50
e 46 14.60
CLL 2.19 264 iPn 45 46.30 0.2
iPg 45 47.90
iSg 46 12.40
MOX 3.20 255 ePg 46 05.00 4.5X
iSg 46 46.00
S.D. = 1.0 on 4 of 5 obs.

JUN 29, 1992 10h 48m 03.50± 2.03s
34.383 N ± 9.8km 116.526 W ±18.6km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.8 (GS).

PEC 0.72 227 ePc 48 17.13 -0.8
SSK 0.98 260 iPc 48 22.68 0.0
PLM 1.06 195 iPd 48 24.63 0.5
iS 48 36.37
ABL 2.27 283 ePn 48 40.91 -1.6
BCH 3.04 286 (P) 48 55.56 2.4
TNP 3.73 352 eP 49 02.75 -0.5
S.D. = 1.7 on 6 of 6 obs.

& JUN 29, 1992 11h 13m 18.00s
34.257 N 116.707 W
DEPTH = 6.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.7 (PAS). ML 4.1
(GS).

PEC 0.52 226 iPd 13 27.90 -0.6
SSK 0.82 267 iPc 13 33.52 -0.8
PLM 0.91 188 iPd 13 35.23 -0.7
ABL 2.16 287 ePn 13 54.06 -1.1
eS 14 27.65
BCH 2.93 289 ePn 14 04.76 -1.4
PKEM 3.32 304 eP 14 10.71 -0.8
PHAM 3.41 299 eP 14 10.80 -2.1
TNP 3.84 354 eP 14 18.14 -1.0
ARUT 4.41 36 eP 14 27.02 -0.1
ARN 4.99 310 eP 14 32.85 -2.4
MSU 5.60 39 (P) 14 46.44 2.3
ORV 6.53 325 eP 14 55.86 -1.2
DUG 6.69 27 eP 14 58.97 -0.4
0.6s 1.74nm 4.3mb X

29d 11h

EMUT 7.28 39 eP 15 07.72 0.1
DAU 7.52 34 eP 15 07.33 -3.8
15 obs. associated

JUN 29, 1992 11h 35m 19.21± 0.62s
34.183 N ± 5.5km 116.404 W ± 5.8km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.8 (GS).

PEC 0.69 245 iPc 35 33.43 0.4
PLM 0.91 205 iPd 35 37.68 0.4
SSK 1.07 272 eP 35 40.28 0.3
GLA 1.73 130 ePn 35 49.67 -0.5
ABL 2.42 287 ePn 36 00.28 0.0
BCH 3.19 289 ePn 36 09.70 -1.4
TNP 3.95 351 ePn 36 22.00 0.0
BONR 4.07 338 (P) 36 24.41 0.7
ARUT 4.33 33 ePn 36 27.66 0.3
ARN 5.23 309 eP 36 39.79 -0.2
S.D. = 0.7 on 10 of 10 obs.

& JUN 29, 1992 11h 44m 49.00s
34.180 N 116.785 W
DEPTH = 6.0km (geophysicist)
3.8mb (2 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.7 (PAS).

PEC 0.42 227 eP 44 55.68 -1.9
SSK 0.75 273 eP 45 01.78 -2.4
PLM 0.83 184 eP 45 03.21 -2.3
GLA 1.98 124 eP 45 23.01 -0.5
ABL 2.12 289 eP 45 24.75 -0.9
BCH 2.90 291 ePn 45 39.32 2.7
PKEM 3.31 306 (P) 45 45.26 2.9
S 46 42.71
PHAM 3.39 300 eP 45 48.49 4.9
TNP 3.91 355 eP 45 52.11 1.0
BONR 3.96 342 ePn 45 53.37 1.5
ARUT 4.51 36 ePnc 46 00.02 0.5
KVN 4.98 348 ePn 46 07.28 1.1
ARN 4.99 311 ePnc 46 09.10 2.8
MSU 5.70 39 ePnc 46 17.11 0.5
ORV 6.56 326 ePn 46 31.45 3.0
DUG 6.79 27 eP 46 32.46 0.7
eS 48 19.79
SRU 7.04 44 ePn 46 37.14 1.9
EMUT 7.38 39 ePn 46 42.14 2.1
DAU 7.62 34 ePn 46 45.67 2.1
SHW 12.70 343 P 48 03.90 10.9
LON 13.12 345 P 48 07.60 9.0
PNT 15.27 353 eP 48 35.00 8.3
SES 16.74 13 eP 48 50.00 4.4
ULM 22.19 37 eP 49 51.00 3.6
YKA 28.37 2 eP 50 53.50 7.9
0.9s 0.60nm 3.4mb
PMR 34.30 333 P 51 38.57 0.7
0.9s 3.65nm 4.3mb
MBC 42.17 359 eP 52 48.00 4.6
27 obs. associated

• JUN 29, 1992 12h 09m 55.63± 0.69s
53.094 S ±10.4km 139.911 E ±22.8km
DEPTH = 10.0km (geophysicist)
4.6mb (11 obs.)
WEST OF MACQUARIE ISLAND (701)

TOO 16.00 16 eP 13 41.00 -1.2
1.0s 127.00nm 5.0mb
i 13 46.00
BFD 16.02 8 eP 13 43.00 0.5
1.0s 33.00nm 4.4mb
eTT 27 45.00
CAN 18.90 24 eP 14 17.60 -0.8
CNB 18.99 24 iPd 14 21.00 1.4
1.0s 50.00nm 4.7mb
CSY 19.60 216 eP 14 25.20 -1.3
0.7s 15.70nm 4.4mb
BWA 19.62 21 eP 14 25.90 -1.2
i 14 31.60
STK 21.23 4 iPc 14 44.10 0.3
0.5s 8.50nm 4.4mb
RMQ 27.38 17 iPd 15 43.00 0.1
0.9s 40.00nm 5.1mb
ASPA 29.74 349 eP 16 04.90 0.8
1.5s 12.40nm 4.5mb
OIS 32.48 359 eP 16 27.00 -1.2
CTA 33.31 11 iPc 16 35.70 0.2
1.1s 25.95nm 5.1mb
WB2 33.37 350 iPc 16 35.70 -0.3
0.9s 7.50nm 4.6mb
WRA 33.37 350 P 16 35.80 -0.2
0.5s 2.50nm 4.4mb
SPA 37.09 180 eP 17 07.40 -0.2
0.9s 10.91nm 4.6mb
KAF 144.84 312 ePKP 29 33.90 0.9
0.6s 6.30nm
NUR 145.14 308 ePKP 29 36.40 2.9X
GEC2 146.53 285 PKP 29 38.40 2.0
1.1s 4.74nm
BRG 147.30 288 e(PKP)29 44.00 6.6X
NB2 151.68 307 PKP 29 55.90 12.0X
0.6s 1.40nm
S.D. = 1.1 on 16 of 19 obs.

• JUN 29, 1992 12h 56m 35.25± 1.04s
1.126 N ±10.1km 126.205 E ±11.6km
DEPTH = 62.8 ± 11.5 km
4.7mb (7 obs.)
NORTHERN MOLUCCA SEA (266)

TNE 1.17 106 ePc 56 54.00 -1.9
iS 57 12.50
MNI 1.40 283 iPd 57 00.00 0.9
eS 57 18.00
CGP 7.43 348 eP 58 25.00 1.5
WB2 22.41 160 iPc 01 29.30 -0.6
0.3s 22.60nm 5.1mb
eS 05 28.40
OIS 25.23 149 eP 01 57.00 0.0
ASPA 25.75 164 iPd 02 02.10 0.2
0.4s 13.40nm 4.8mb
WARB 27.15 179 eP 02 16.50 1.8
0.5s 6.00nm 4.4mb
CTA 28.82 138 iPc 02 30.90 1.1
1.0s 22.00nm 4.7mb
STK 35.92 157 iPd 03 31.80 0.3
0.6s 4.10nm 4.5mb
MAT 36.95 16 (P) 03 42.00 1.8
LZH 40.50 332 eP 04 10.00 0.1
1.6s 23.00nm 4.8mb
GUN 46.87 308 P 04 58.60 -3.1X
PKI 47.09 308 P 05 01.60 -1.8
KKN 47.29 308 P 05 03.60 -1.2
DMN 47.34 308 P 05 04.40 -0.9
GKN 47.89 308 P 05 08.50 -1.0
HYB 49.55 292 eP 05 22.00 -0.2
YKA 102.07 24 ePdiff10 28.30 4.5X
0.6s 0.40nm 4.3mb
S.D. = 1.3 on 16 of 18 obs.

JUN 29, 1992 13h 01m 22.35± 0.49s
34.031 N ± 4.7km 117.144 W ± 5.3km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.6 (GS). MD 3.3 (PAS).

PEC 0.14 186 iPd 01 26.14 0.9
SSK 0.49 292 iPc 01 32.84 0.7
PLM 0.72 161 eP 01 36.63 0.0
ABL 1.90 296 eP 01 55.81 -0.1
eS 02 22.09
GLA 2.17 116 iP 01 58.63 -1.0
BCH 2.68 296 eP 02 06.71 -0.4
PHAM 3.22 305 eP 02 14.23 -0.4
BONR 4.03 347 eP 02 26.91 0.6
TNP 4.04 359 ePn 02 27.27 0.8
ARUT 4.81 38 eP 02 37.62 0.3
ARN 4.87 314 eP 02 36.64 -1.4
MSU 6.01 40 eP 02 54.35 0.0
S.D. = 0.8 on 12 of 12 obs.

JUN 29, 1992 13h 04m 41.49± 0.89s
34.098 N ± 6.3km 116.937 W ± 9.7km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
MD 3.0 (PAS).

PEC 0.28 222 iPd 04 46.61 -0.5
PLM 0.75 175 eP 04 57.04 0.6
iS 05 06.22
ABL 2.03 292 eP 05 16.47 -0.5
BCH 2.81 294 eP 05 27.81 -0.3
BONR 4.00 344 ePn 05 46.69 1.6
ARUT 4.65 37 ePn 05 53.00 -1.2
ARN 4.95 312 eP 05 58.47 0.2
S.D. = 1.1 on 7 of 7 obs.

& JUN 29, 1992 13h 08m 32.29s
34.058 N 116.356 W
DEPTH = 3.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.8 (PAS).

PLM 0.82 211 ePd 08 47.64 -1.0
eS 08 56.88
BCH 3.27 291 eP 09 23.67 -1.9
ARUT 4.41 32 eP 09 40.51 -1.2
KVN 5.18 345 (P) 09 50.80 -1.8
MSU 5.58 36 eP 10 03.38 5.0
DUG 6.75 24 (P) 10 19.84 5.1
1.3s 6.22nm 4.5mb X
6 obs. associated

& JUN 29, 1992 13h 20m 03.16s
34.634 N 116.494 W
DEPTH = 0.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.8 (PAS), 4.0 (GS).

PEC 0.92 217 iPd 20 20.24 -1.3
SSK 1.08 247 eP 20 23.23 -1.3
PLM 1.31 194 iP 20 27.79 -0.7
ABL 2.26 276 eP 20 39.72 -2.8
BCH 3.00 282 eP 20 50.65 -2.4
PHAM 3.41 292 ePn 20 56.22 -2.6
TNP 3.49 351 ePn 20 58.62 -1.4
ARUT 4.00 37 ePn 21 05.02 -2.2
ARN 4.90 305 ePn 21 16.23 -3.7
MSU 5.20 41 ePn 21 20.19 -4.2
DUG 6.28 27 ePn 21 35.44 -4.0
ORV 6.33 322 eP 21 39.13 -1.0
eS 23 26.14
SRU 6.55 45 ePn 21 40.95 -2.4
EMUT 6.87 40 (P) 21 45.81 -2.1
14 obs. associated

• JUN 29, 1992 13h 49m 21.06± 0.35s
28.336 S ± 8.6km 62.907 E ± 9.3km
DEPTH = 10.0km (geophysicist)
5.0mb (13 obs.) 5.2Msz (2 obs.)
SOUTHWEST INDIAN RIDGE (428)

SLR 30.89 267 eP 55 20.00 -20.2X
PRY 31.36 264 e(P) 55 30.00 -14.3X
MAW 39.29 180 iPd 56 52.20 0.9
1.0s 17.00nm 4.7mb
CSY 47.77 156 eP 57 59.50 -0.4
0.3s 6.10nm 5.2mb
HYB 47.94 20 ePd 58 04.00 2.2
IPM 49.16 54 ePd 58 14.40 3.0X
0.9s 35.20nm 5.4mb
BCAO 53.70 300 ePd 58 46.20 0.6
0.9s 23.00nm 5.2mb
id 58 53.20
DMN 59.56 23 P 59 27.30 -0.2
PKI 59.63 23 P 59 27.40 -0.7
GKN 59.76 22 P 59 28.10 -0.7
KKN 59.79 23 P 59 27.60 -1.4
GUN 60.11 23 P 59 30.70 -0.6
SPA 61.83 180 iPd 59 42.40 -0.1
1.1s 19.64nm 5.2mb
ASPA 63.15 104 iPd 59 52.10 0.5
1.2s 15.90nm 5.1mb
MAIO 64.37 357 eP 00 00.00 0.7
WRA 64.90 100 P 00 03.00 -0.2
1.1s 5.40nm 4.7mb
WB2 64.91 100 eP 00 01.80 -1.4
1.0s 10.80nm 5.0mb
KIC 73.67 287 P 00 56.10 -1.0
LIC 73.84 286 P 00 57.60 -0.5
TIC 74.05 287 P 00 58.70 -0.7
LZH 74.78 33 ePKP 01 03.50 0.2
Z 22s 0.76um 4.9Msz
E 20s 0.86um
OHR 79.34 329 eP 01 26.50 -2.0
ROI 80.16 325 P 01 33.60 0.6
MLR 80.80 335 ePc 01 18.00 -18.3X
VRI 80.83 335 ePc 01 16.00 -20.3X
SSE 81.09 48 Pc 01 38.60 0.7

1.0s 9.00nm 4.8mb
BJI 84.13 38 eP 01 54.00 0.6
SRO 85.74 332 eP 02 09.50 8.2X
ZST 86.55 331 eP 02 01.80 -3.5X
GEC2 88.51 330 P 02 13.10 -1.8
0.8s 1.71nm 4.4mb
KHC 88.78 330 eP 02 14.50 -1.6
e 02 23.00
KSP 88.92 333 eP 02 17.60 0.9
e 02 24.80
PRU 89.00 331 P 02 17.70 0.7
FUR 89.11 328 iPc 02 18.60 1.0
1.0s 44.00nm 5.7mb
BRG 89.92 331 eP 02 22.00 0.7
e 02 29.70
GRF 90.24 329 iPc 02 23.70 0.8
1.1s 11.00nm 5.0mb
Z 19s 1.50um 5.4Msz
epPd 02 31.60 25kmX
CLL 90.64 331 e(P) 02 24.00 -0.6
e 02 33.00
MOX 90.75 330 iPc 02 25.90 0.7
1.4s 10.00nm 4.9mb
e 02 34.00
TOL 92.06 315 eP 02 32.00 0.5
EEO 145.15 312 ePKP 09 00.50 0.2
FCC 145.67 339 ePKP 09 02.50 1.8
YKA 145.80 358 ePKP 09 00.30 -0.5
0.7s 12.60nm
ULM 152.82 329 ePKP 09 20.00 8.0X
S.D. = 1.0 on 35 of 43 abs.

& JUN 29, 1992 14h 08m 37.70s
34.106 N 116.402 W
DEPTH = 11.2km
4.9mb (31 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.9 (PAS). Felt at
San Bernardino and San Diego.

PEC 0.67 251 iP 08 49.86 -1.0
SSK 1.08 276 iPc 08 57.39 -0.6
ABL 2.44 288 ePc 09 16.81 -1.5
BCH 3.22 291 ePc 09 27.51 -1.8
PKEM 3.61 304 eP 09 33.01 -1.7
PHAM 3.71 299 eP 09 33.86 -2.3
TNP 4.02 351 iPd 09 39.50 -1.2
BONR 4.14 339 iPd 09 41.44 -1.0
ARUT 4.39 32 ePd 09 44.52 -1.4
KVN 5.12 345 ePd 09 55.11 -1.2
ARN 5.28 309 eP 09 55.93 -2.5
MSU 5.57 37 ePd 10 01.16 -1.5
DUG 6.72 24 eP 10 16.66 -2.1
ORV 6.80 325 eP 10 18.53 -1.3
S 12 03.90
SRU 6.88 42 ePd 10 20.30 -0.7
EMUT 7.24 37 ePd 10 26.24 0.0
DAU 7.51 32 eP 10 28.21 -1.9
HVU 8.18 19 eP 10 37.73 -1.5
VGB 11.88 345 eP 11 32.56 2.6
SHW 12.87 342 eP 11 43.02 -0.2
LON 13.28 344 eP 11 49.84 1.2
BMW 13.40 339 eP 11 48.13 -2.1
DPW 13.82 355 eP 11 56.00 0.3
RMW 13.95 345 eP 11 59.14 1.7
PNT 15.38 352 eP 12 17.00 0.8
PGC 15.45 342 eP 12 22.00 5.0
OCO 15.61 79 iPd 12 22.50 3.3
SES 16.75 12 ePd 12 33.80 0.1
1.3s 85.00nm 4.7mb
pP 12 49.00
OLY 20.51 79 eP 13 18.10 -0.3
CCM 20.69 72 eP 13 21.21 1.0
1.2s 28.25nm 4.5mb
FVM 21.33 72 eP 13 25.41 -1.4
1.1s 31.59nm 4.6mb
ULM 22.06 37 ePc 13 34.00 0.0
PWLA 23.33 80 eP 13 47.24 0.6
YKA 28.43 2 eP 14 31.50 -2.5
1.0s 7.30nm 4.4mb
FCC 28.79 24 eP 14 38.00 0.7
NAV 28.99 73 eP 14 38.37 -1.0
BALM 31.71 336 eP 15 02.67 -0.7
KLU 33.27 334 eP 15 16.79 -0.1
RSNY 33.70 59 eP 15 19.50 -1.3
0.9s 10.70nm 4.8mb
TOA 33.77 335 eP 15 22.90 1.7
TBR 33.88 65 eP 15 21.26 -1.1
SLKM 34.30 331 eP 15 25.51 -0.3
PMR 34.51 333 eP 15 28.00 0.4
REF 35.31 330 eP 15 34.10 -0.6
CPKM 35.54 331 eP 15 35.09 -1.5
HRV 35.83 63 eP 15 39.18 0.2
1.3s 41.28nm 5.1mb
FBA 36.20 338 eP 15 42.20 0.3
SVW 36.86 329 eP 15 47.40 -0.1
TTA 37.93 332 eP 15 56.50 0.0
1.1s 28.60nm 5.0mb
IMA 38.84 337 eP 16 04.40 0.2
1.1s 19.10nm 4.7mb
LMN 40.59 57 eP 16 20.00 1.2
MBC 42.25 359 eP 16 32.50 0.6
1.4s 100.00nm 5.4mb
ZOBO 67.99 129 P 19 37.80 -2.0
LPB 68.19 130 (P) 19 48.00 7.2
CNCB 68.47 130 P 19 43.00 0.2
SIV 72.47 124 P 20 05.00 -1.4
KEV 73.06 13 eP 20 07.00 -2.1
EKA 74.28 33 Pd 20 15.10 -1.3
0.8s 4.10nm 4.5mb
NB2 76.05 23 P 20 25.30 -1.2
0.9s 6.10nm 4.7mb
HFS 77.54 23 eP 20 33.40 -1.3
0.9s 11.10nm 4.9mb
KAF 79.50 17 iP 20 44.60 -0.8
0.7s 9.20nm 4.9mb
FLN 79.72 37 iPd 20 46.30 -0.5
0.8s 9.40nm 4.8mb
LPF 79.91 38 iPd 20 47.20 -0.7
1.1s 12.95nm 4.8mb
LDF 80.01 37 iPd 20 47.90 -0.5
1.0s 9.00nm 4.7mb
NUR 80.46 18 iP 20 50.10 -0.5
MAT 81.17 308 eP 20 52.00 -2.8
MFF 81.31 39 iPd 20 55.00 -0.3
0.9s 10.15nm 4.9mb
TCF 82.73 38 iPd 21 02.10 -0.7
0.8s 3.75nm 4.6mb
SSF 82.85 37 iPd 21 02.90 -0.4
BGF 82.87 37 iPd 21 02.80 -0.6
0.7s 6.05nm 4.9mb
LOR 82.88 36 iPd 21 03.20 -0.3
0.9s 8.50nm 4.9mb
MAF 82.95 38 iPd 21 03.90 0.0
1.0s 10.60nm 5.0mb
AVF 82.96 37 iPd 21 03.30 -0.6
0.7s 4.95nm 4.8mb
RJF 83.04 39 iPd 21 03.90 -0.4
LBF 83.14 37 iPd 21 04.40 -0.5
1.1s 8.30nm 4.8mb
LPO 83.28 40 iPd 21 05.30 -0.3
1.2s 12.20nm 5.0mb
SMF 83.30 37 iPd 21 05.00 -0.7
0.9s 8.20nm 4.9mb
PPD 83.33 122 eP 21 06.60 0.5
HAU 83.56 35 iPd 21 06.60 -0.4
0.8s 8.85nm 5.0mb
CAF 83.58 39 iPd 21 06.70 -0.5
1.0s 10.60nm 5.0mb
CDF 83.71 34 iPd 21 07.40 -0.4
0.9s 7.70nm 4.9mb
BSF 83.90 35 iPd 21 08.40 -0.4
1.0s 12.80nm 5.1mb
MOX 83.97 30 eP 21 08.70 -0.3
1.6s 19.00nm 5.1mb
CLL 84.04 29 eP 21 09.00 -0.3
BRG 84.75 29 iP 21 12.80 -0.1
1.0s 10.00nm 5.0mb
KSP 85.70 28 eP 21 17.80 0.1
PDCR 86.67 107 (P) 21 04.00 -18.9
WRA 116.53 263 PKP 27 21.00 -2.7
0.7s 0.60nm
BUL 146.08 75 iPKPd 28 17.90 -1.1
0.7s 4.11nm
MAW 146.46 179 ePKP 28 28.00 10.0
1.0s 25.00nm
BLF 147.87 91 ePKP 28 09.20 -12.5
PRY 148.19 87 ePKP 28 23.60 1.3
92 abs. associated

& JUN 29, 1992 14h 13m 38.78s
34.108 N 116.404 W
DEPTH = 9.9km
5.2mb (35 obs.) 4.9Msz (13 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 5.4 (PAS). Felt (IV)
at George Air Force Base and
Camp Pendleton. Also felt at
March Air Force Base, San
Bernardino and San Diego.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 46C
Centroid Location:
Origin Time 14:13:43.6 0.4
Lat 34.11N FIX;Lon 116.40W FIX
Dep 15.0 FIX Half-duration 1.7
Moment Tensor; Scale 10**17 Nm
Mrr=-0.58 0.06 Mtt=-0.08 0.08
Mff= 0.66 0.07 Mrt= 0.23 0.13
Mrf= 1.26 0.13 Mtf= 0.46 0.06
Principal Axes:
T Val= 1.60 Plg=30 Azm=290
N -0.24 11 193
P -1.37 58 86
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 50 Dip=18 Slip= -52
NP2: 190 76 -101

PEC 0.66 251 iP 13 50.98 -1.1
SSK 1.07 276 iPc 13 58.50 -0.6
ABL 2.44 288 iPc 14 17.89 -1.7
TPNV 2.84 3 ePn 14 24.40 -0.7
PKEM 3.61 304 iPd 14 34.36 -1.6
PHAM 3.71 299 eP 14 35.48 -1.9
TNP 4.02 351 eP 14 40.64 -1.3
ARUT 4.39 32 eP 14 45.61 -1.5
KVN 5.12 345 eP 14 56.05 -1.5
ARN 5.28 309 eP 14 54.95 -4.7
MSU 5.57 37 (P) 15 12.41 8.5
ORV 6.80 325 eP 15 19.10 -1.9
SRU 6.88 42 eP 15 26.88 4.6
EMUT 7.24 37 eP 15 28.17 0.7
DAU 7.51 32 eP 15 31.85 0.5
HVU 8.18 19 eP 15 39.18 -1.3
LBFM 8.43 331 eP 15 44.49 0.4
FHC 9.00 320 (P) 15 51.24 -0.4
VGB 11.88 345 eP 16 32.59 1.5
SHW 12.86 342 eP 16 46.26 1.8
LON 13.28 344 eP 16 51.41 1.5
BMW 13.40 339 eP 16 51.18 -0.3
DPW 13.82 355 eP 16 57.62 0.7
PNT 15.38 352 P 17 12.00 -5.4
PGC 15.45 342 eP 17 21.00 2.8
1.0s 91.00nm 5.0mb
OCO 15.62 79 iPd 17 01.00 -19.5
FNO 15.68 80 iPc 17 23.20 1.9
SES 16.75 12 P 17 35.00 0.1
2.4s 9.60nm 3.5mb X
OLY 20.51 79 ePd 18 18.01 -1.7
CCM 20.69 72 P 18 30.00 8.5
Z 19s 10.10um 5.2Msz
FVM 21.33 72 eP 18 27.58 -0.5
1.2s 152.36nm 5.3mb
ULM 22.06 37 eP 18 35.00 -0.2
PWLA 23.33 80 eP 18 49.46 1.5
SIT 26.32 336 eP 19 19.62 3.5
1.0s 29.83nm 4.9mb
Z 20s 3.07um 4.8Msz
TKL 26.75 77 eP 19 19.53 -0.9
PRM 28.12 80 eP 19 32.11 -0.7
YKA 28.43 2 eP 19 34.00 -1.3
1.3s 12.30nm 4.5mb
FCC 28.79 24 ePc 19 39.50 0.9
JSC 28.99 80 eP 19 41.52 0.9
NAV 28.99 73 eP 19 39.75 -0.9
MCWV 29.62 68 P 20 00.00 13.7
Z 20s 2.13um 4.8Msz
CEH 30.50 76 P 20 00.00 5.9
Z 21s 0.52um 4.2Msz
CBN 31.62 71 e(P) 20 02.00 -1.9
BALM 31.71 336 eP 20 04.22 -0.4
KLU 33.27 334 eP 20 17.86 -0.3
LVNJ 33.48 66 eP 20 19.37 -0.8
RSNY 33.70 59 P 20 30.00 7.9
Z 20s 1.67um 4.8Msz
TOA 33.77 335 eP 20 23.10 0.6
PNJ 33.94 66 iP 20 23.90 -0.2
SLKM 34.29 331 eP 20 26.98 -0.1
PMR 34.51 333 eP 20 29.80 1.0
1.3s 132.50nm 5.7mb

29d 14h

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REF     35.31 330 eP     20 35.51  -0.4
CRP     35.51 331 (P)    20 37.46  -0.1
CPKM    35.53 331 eP     20 35.79  -2.1
HRV     35.83  63 eP     20 40.24  -0.1
        1.2s     53.69nm          5.3mb
FBA     36.20 338 eP     20 43.80   0.6
SVW     36.86 329 eP     20 49.10   0.3
SDN     37.01 319 P      21 00.00  10.0
     Z  21s      2.48um           5.0Msz
TTA     37.93 332 eP     20 58.50   0.7
HON     38.71 262 P      21 10.00   5.3
     Z  20s      0.71um           4.5Msz
IMA     38.84 337 eP     21 06.10   0.6
        1.4s     53.80nm          5.0mb
LMN     40.59  57 eP     21 21.50   1.4
MBC     42.25 359 ePc    21 34.00   0.8
        1.4s    227.00nm          5.7mb
SMY     51.69 313 P      23 00.00  12.2
     Z  21s      1.63um           5.0Msz
ZOBO    67.99 129 P      24 39.20  -2.0
        1.1s     14.50nm          5.1mb
     Z  22s      0.66um           4.8Msz
                 S       33 24.00
                 LR      48 22.00
LPB     68.19 130 eP     24 47.00   4.8
     Z  20s      0.71um           4.9Msz
                 LR      48 14.00
CNCB    68.47 130 P      24 43.00  -1.1
CCH     70.07 129 (P)    24 49.00  -4.6
YAK     70.50 333 eP     24 53.30  -1.9
        1.1s     55.00nm          5.6mb
     Z  21s      0.80um           4.9Msz
     E  20s      0.90um
SIV     72.47 124 P      25 06.00  -1.8
DLF     73.91  36 eP     25 16.00   0.4
NB2     76.05  23 P      25 26.60  -1.2
        1.0s     11.60nm          4.9mb
HFS     77.54  23 eP     25 31.70  -4.3
        0.8s      6.40nm          4.8mb
     Z  17s      0.94um           5.2MszX
                 LR      54 43.00
UPP     79.00  22 iP     25 46.10   2.1
PEL     79.50 142 iPd    25 50.50   3.4
KAF     79.50  17 iP     25 45.70  -1.0
        0.5s      4.00nm          4.7mb
FLN     79.72  37 eP     25 47.50  -0.6
        1.2s     27.95nm          5.1mb
LPF     79.91  38 eP     25 48.40  -0.8
        1.1s     16.10nm          4.9mb
LDF     80.01  37 eP     25 49.00  -0.7
        1.4s     30.05nm          5.1mb
NUR     80.46  18 iP     25 53.40   1.5
MAT     81.17 308 eP     25 54.00  -2.1
        0.8s     10.45nm          4.9mb
DOU     81.27  34 P      25 59.30   3.0
MFF     81.31  39 eP     25 56.00  -0.6
        1.2s     28.25nm          5.2mb
WLF     82.29  34 Pc     26 06.00   4.4
SSF     82.85  37 eP     26 04.20  -0.4
        1.3s     25.25nm          5.2mb
BGF     82.87  37 eP     26 04.00  -0.7
        0.8s     11.55nm          5.1mb
LOR     82.88  36 eP     26 04.30  -0.5
        1.4s     41.40nm          5.4mb
MAF     82.95  38 eP     26 04.60  -0.6
        1.1s     24.90nm          5.3mb
AVF     82.96  37 eP     26 04.40  -0.8
        1.1s     19.05nm          5.2mb
RJF     83.04  39 eP     26 05.00  -0.6
        1.5s     43.85nm          5.4mb
LBF     83.14  37 eP     26 05.40  -0.8
        1.3s     25.25nm          5.3mb
VITF    83.24  35 P      26 05.89  -0.8
LPO     83.28  40 eP     26 06.50  -0.4
        1.4s     28.75nm          5.3mb
SMF     83.30  37 eP     26 06.10  -0.9
        1.5s     39.15nm          5.4mb
PPD     83.33 122 (P)    26 09.00   1.5
HAU     83.56  35 eP     26 07.90  -0.4
        1.1s     24.40nm          5.3mb
CAF     83.58  39 eP     26 07.70  -0.8
        1.4s     33.55nm          5.4mb
CDF     83.70  34 P      26 08.34  -0.8
ECH     83.79  34 P      26 09.45   0.0
BSF     83.90  35 eP     26 09.30  -0.8
        1.2s     25.00nm          5.3mb
EPF     83.93  41 eP     26 09.70  -0.6
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        1.6s     32.35nm          5.3mb
MOX     83.97  30 eP     26 10.30   0.0
        1.5s     21.00nm          5.1mb
     Z  18s      1.40um           5.4Msz
     N  19s      1.40um
                 e       26 23.00
                 S       36 42.00
CLL     84.04  29 iP     26 10.10  -0.5
        2.0s     31.00nm          5.2mb
     Z  17s      1.00um           5.3MszX
MOF     84.04  34 P      26 09.97  -0.9
FEL     84.43  34 P      26 11.81  -1.0
BRG     84.75  29 eP     26 13.60  -0.6
        1.3s     23.00nm          5.2mb
                 i       26 17.70
ITR     85.05 104 eP     26 15.60  -0.6
                 e       26 20.10
                 e       26 30.90
MAL     85.26  48 iPc    26 18.00   1.0
PRU     85.68  29 eP     26 22.40   3.5
     Z  17s      1.00um           5.3MszX
KSP     85.70  28 ePd    26 22.70   3.7
KHC     85.95  30 eP     26 19.50  -0.8
     Z  16s      2.00um           5.6MszX
     N  17s      0.90um
     E  16s      2.00um
                 e       26 24.50
                 e       29 48.20
IRK     86.91 336 ePc    26 24.20  -0.7
        1.7s     27.00nm          5.2mb
     Z  19s      0.40um           4.8Msz
     N  18s      0.30um
     E  18s      0.18um
                 e       26 27.70
                 LR      00 34.00
OBN     88.18  15 eP     26 31.00   0.1
     Z  14s      1.00um           5.4MszX
     N  14s      0.50um
     E  14s      0.40um
                 iPcP    26 34.00
                 e       26 48.00
                 eS      37 00.00
                 eScS    37 20.00
BJI     91.69 322 eP     26 46.00  -1.6
     Z  34s      0.64um           4.8MszX
WB2    116.52 263 ePKP   32 22.40  -2.6
        0.7s      5.90nm
                 i       32 29.70
WRA    116.53 263 PKP    32 22.60  -2.5
        0.7s      2.40nm
ASPA   118.63 260 ePKP   32 27.40  -1.6
        1.1s      7.30nm
BCAO   122.79  57 ePKPd  32 39.60   2.5
        0.7s      6.00nm
POF    142.79  95 ePKP   33 15.00   0.7
KRI    145.04  69 iPKPc  33 17.00  -1.6
                 i       33 47.40
BUL    146.08  75 ePKP   33 19.30  -1.0
MAW    146.46 179 ePKP   33 18.00  -1.3
        1.0s     69.00nm
FRS    147.35  93 ePKP   33 22.00   0.1
        1.2s     23.44nm
BLF    147.87  91 ePKP   33 17.00  -6.0
PRY    148.19  87 ePKP   33 24.00   0.4
SLR    148.40  84 ePKP   33 25.00   1.1
SEK    148.81  89 ePKP   33 28.50   4.0
        1.2s     31.25nm
        127 obs. associated
-----------------------------------------
&  JUN 29, 1992  14h 41m 26.00s
   34.120 N          116.998 W
   DEPTH =   4.7km
   4.5mb (  7 obs.)
 SOUTHERN CALIFORNIA                ( 43)
        <PAS-P>. ML 4.4 (PAS). Felt at
        San Bernardino.

PEC      0.26 211 iP     41 30.82  -0.5
SSK      0.58 279 eP     41 36.81  -0.9
PLM      0.77 172 iPd    41 40.17  -1.5
ABL      1.98 292 ePc    41 59.60  -1.1
                 iS      42 25.90
GLA      2.10 120 ePn    41 59.82  -2.6
BCH      2.76 294 ePc    42 10.64  -1.2
TPNV     2.89  12 ePn    42 14.71   1.0
PKEM     3.20 308 eP     42 14.94  -3.1
PHAM     3.28 302 ePn    42 17.55  -1.5
```

```
TNP      3.96 357 ePn    42 27.10  -1.8
BONR     3.97 345 eP     42 28.96  -0.2
ARUT     4.66  37 ePn    42 37.00  -1.9
ARN      4.90 312 ePd    42 39.48  -2.7
KVN      5.00 350 eP     42 43.12  -0.6
MSU      5.86  40 ePn    42 54.33  -1.6
NWRM     6.43 314 eP     43 02.64  -1.1
ORV      6.52 328 eP     43 03.90  -1.0
DUG      6.92  28 eP     43 10.65  -0.1
SRU      7.20  44 eP     43 13.79  -1.0
EMUT     7.53  39 eP     43 19.87   0.4
DAU      7.77  34 eP     43 22.65  -0.2
                 eS      45 31.53
LBFM     8.19 333 eP     43 28.40  -0.1
VGB     11.74 347 ePn    44 20.05   2.8
SHW     12.70 343 ePn    44 29.30  -0.9
LON     13.13 345 (P)    44 36.28   0.4
OCO     16.10  79 iPc    45 19.50   4.8
SES     16.84  13 eP     45 25.00   1.0
OLY     20.99  79 eP     46 11.48  -1.2
CCM     21.16  72 eP     46 14.21  -0.1
        1.5s     36.13nm          4.5mb
FVM     21.80  72 eP     46 20.65  -0.2
        1.2s     29.81nm          4.6mb
YKA     28.43   2 eP     47 22.30  -1.1
        0.6s      1.80nm          4.1mb
PMR     34.28 333 eP     48 14.64  -0.2
        1.1s     12.34nm          4.7mb
FBA     36.00 338 eP     48 28.28  -1.3
        0.5s      4.97nm          4.6mb
TTA     37.68 332 eP     48 44.07   0.2
        0.8s      4.57nm          4.3mb
MBC     42.23 359 eP     49 22.00   0.9
        1.0s      6.00nm          4.3mb
ITR     85.53 104 eP     54 06.80   0.1
        36 obs. associated
-----------------------------------------
&  JUN 29, 1992  14h 54m 06.87s
   34.103 N          116.418 W
   DEPTH =   3.7km
 SOUTHERN CALIFORNIA                ( 43)
       <PAS-P>. ML 3.8 (PAS), 3.9 (GS).

PEC      0.65 251 iPc    54 18.89  -1.0
PLM      0.83 206 iPd    54 22.37  -1.1
SSK      1.06 276 iPc    54 26.51  -1.1
ABL      2.43 289 ePnc   54 46.43  -1.9
TPNV     2.84   3 ePn    54 52.38  -1.7
BCH      3.21 291 ePn    54 56.84  -2.4
PHAM     3.70 299 ePn    55 05.90  -0.2
TNP      4.02 351 ePnd   55 08.99  -1.9
BONR     4.14 339 ePn    55 10.83  -1.7
ARUT     4.40  32 ePn    55 13.50  -2.7
ARN      5.27 309 eP     55 25.95  -2.5
MSU      5.58  37 eP     55 30.65  -2.3
SRU      6.89  42 ePn    55 49.47  -1.9
        13 obs. associated
-----------------------------------------
?  JUN 29, 1992  14h 59m 08.90± 4.04s
   13.079 N ±19.5km   60.461 W ±50.3km
   DEPTH = 100.0km  (geophysicist)
 WINDWARD ISLANDS                   ( 95)
       MD 3.2 (TRN).

SVV      0.77 288 eP     59 27.65   0.4
                 eS      59 39.28
SVB      0.79 284 eP     59 27.23  -0.2
                 eS      59 38.80
SLB      0.93 323 eP     59 29.15   0.2
                 eS      59 42.16
SLW      1.04 334 eP     59 30.80   0.7
                 eS      59 44.84
GRW      1.49 232 eP     59 35.26  -0.2
                 eS      59 53.19
MVM      1.53 344 iPc    59 36.19   0.3
                 S       59 54.70
BIM      1.55 338 eP     59 35.90  -0.3
                 S       59 53.70
CRM      1.72 345 eP     59 38.25  -0.1
FDF      1.78 338 iPc    59 38.25  -0.8
                 S       59 58.10
     S.D. =  0.5  on   9 of   9 obs.
-----------------------------------------
&  JUN 29, 1992  15h 18m 43.15s
   34.220 N          116.751 W
   DEPTH =   0.9km
 SOUTHERN CALIFORNIA                ( 43)
```

<PAS-P>. ML 3.6 (PAS). 3.6 (GS).
PEC 0.47 226 iPd 18 52.34 -0.2
SSK 0.78 270 iPc 18 58.03 -0.7
PLM 0.87 186 iPd 18 59.56 -1.0
iS 19 11.79
ABL 2.13 288 ePn 19 18.29 -2.3
TPNV 2.75 8 ePn 19 23.96 -5.5
BCH 2.91 290 ePn 19 28.76 -2.9
PHAM 3.40 299 eP 19 36.53 -2.0
TNP 3.87 355 (Pn) 19 39.38 -6.0
ARN 4.99 310 eP 19 53.12 -7.9
9 obs. associated

JUN 29, 1992 15h 36m 14.95± 0.39s
44.324 N ± 4.1km 10.953 E ± 3.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
MD 3.0 (FIR). ML 3.0 (LDG).

MME 0.22 235 P 36 21.20 1.3
eSg 36 24.80
BDI 0.37 225 P 36 22.90 0.4
eSg 36 29.60
FIR 0.59 158 ePg 36 28.50 1.7
iSg 36 39.00
PII 0.68 207 P 36 28.90 0.5
eSg 36 38.90
PGD 0.71 129 P 36 29.80 0.7
eSg 36 40.00
SFI 0.76 122 P 36 29.70 -0.1
eSg 36 41.30
BOB 1.16 293 P 36 37.50 0.7
eSn 36 54.50
SAL 1.32 347 P 36 35.00 -4.3X
eSn 36 58.00
ARV 1.66 119 P 36 43.40 -0.8
eSg 37 05.70
PCP 1.74 278 P 36 47.30 1.9
S 37 10.71
ASS 1.76 135 P 36 45.00 -0.8
eSg 37 08.00
CTI 1.79 16 P 36 46.50 0.2
eSn 37 09.00
FIN 1.98 268 P 36 47.60 -1.2
S 37 11.12
VAI 2.18 316 P 36 52.00 0.2
eSn 37 19.00
IMI 2.25 260 P 36 52.20 -0.6
S 37 18.09
PGF 2.27 219 Pn 36 52.40 -0.8
Sn 37 20.10
MNS 2.31 146 P 36 53.00 -0.7
TRI 2.43 54 ePg 37 18.90 23.6X
iSg 37 34.10
ENR 2.54 269 P 36 57.50 0.5
S 37 27.32
SBF 2.58 261 Pn 36 57.20 -0.3
Sn 37 28.50
STV 2.61 270 P 36 58.20 0.3
S 37 28.65
FVI 2.61 29 P 36 58.00 0.2
VOY 2.69 50 ePn 36 55.00 -4.2X
eSn 37 26.80
eSg 37 41.60
CEY 2.84 59 eP 37 29.50 28.3X
e(Sn) 37 47.50
WTTA 2.98 9 iPnc 37 03.20 -0.1
0.5s 11.50nm
i 37 47.80
i 37 51.40
FRF 3.20 258 Pn 37 05.40 -0.9
Sn 37 43.40
KBA 3.22 30 iPnc 37 11.90 5.1X
0.3s 5.30nm
i 37 57.80
LMR 3.36 254 Pn 37 07.20 -1.4
Sn 37 46.20
LRG 3.43 257 Pn 37 08.40 -1.1
Sn 37 48.70
BSF 4.55 322 Pn 37 21.50 -4.0X
Sn 38 12.90
CDF 4.82 329 Pn 37 24.80 -4.5X
HAU 4.88 321 Pn 37 26.40 -3.7X
Sn 38 17.50
SMF 5.51 297 Pn 37 33.10 -6.0X
LBF 5.57 301 Pn 37 36.50 -3.4X
LOR 5.77 303 Pn 37 38.20 -4.4X
Sn 38 43.60
S.D. = 0.9 on 24 of 35 obs.

JUN 29, 1992 15h 37m 35.31± 0.91s
34.537 N ± 7.8km 116.500 W ± 8.9km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.1 (GS). MD 3.1 (PAS).

PEC 0.85 221 iPc 37 51.95 -0.2
SSK 1.04 252 iP 37 55.43 -0.1
PLM 1.22 194 iP 37 58.78 0.2
ABL 2.26 279 ePn 38 13.86 -0.3
BCH 3.02 283 eP 38 25.24 0.5
ARUT 4.08 36 eP 38 39.81 -0.1
S.D. = 0.4 on 6 of 6 obs.

JUN 29, 1992 15h 46m 55.88± 0.68s
34.146 N ± 5.5km 116.350 W ± 6.2km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.2 (GS). MD 3.3 (PAS).

PEC 0.72 250 iPc 47 10.30 0.0
PLM 0.90 208 iPd 47 13.86 0.2
S 47 25.78
SSK 1.12 274 iPc 47 17.81 0.4
S 47 32.17
GLA 1.68 130 eP 47 25.94 -0.1
ISA 2.31 312 ePn 47 35.34 0.1
ABL 2.47 287 ePn 47 37.24 -0.5
BCH 3.25 290 ePn 47 48.03 -0.6
TNP 3.99 350 (Pn) 47 58.98 -0.2
BONR 4.12 338 (P) 48 01.74 0.7
S.D. = 0.5 on 9 of 9 obs.

? JUN 29, 1992 15h 48m 37.84± 2.07s
31.750 S ±24.3km 68.658 W ±11.2km
DEPTH = 33.0km (normal)
SAN JUAN PROVINCE, ARGENTINA (137)

ZON 0.20 355 iPd 48 45.50 0.9
eS 48 56.50
RTCB 0.29 335 iPd 48 46.50 0.9
S 48 57.20
CFA 0.38 68 eP 48 47.00 0.2
S 48 59.90
RTLL 0.45 21 iPc 48 46.40 -1.3
S 48 57.50
RTBS 0.68 277 iPd 48 50.20 -0.8
S.D. = 1.4 on 5 of 5 obs.

JUN 29, 1992 15h 54m 26.26± 0.72s
51.638 N ± 6.3km 16.179 E ± 6.4km
DEPTH = 10.0km (geophysicist)
POLAND (548)
ML 3.7 (GRF). 3.7 (VIE).

KSP 0.80 175 iPd 54 41.00 -0.8
0.5s 211.00nm
i 54 43.80
iS 54 50.00
BRG 1.60 242 iPn 54 54.40 -0.2
iPg 54 55.80
iSg 55 15.20
PRU 1.95 213 Pn 54 59.40 -0.3
0.4s 76.90nm
Pg 55 00.90
e 55 05.30
Sn 55 18.50
Sg 55 24.90
e 55 31.70
CLL 2.01 262 iPn 55 00.80 0.2
iPg 55 05.30
iSg 55 29.60
OJC 2.69 120 eP 55 11.50 1.1
iS 55 53.50
KHC 3.01 215 Pn 55 14.50 -0.4
1.5s 45.00nm
Pg 55 20.50
Sg 55 56.50
HOF 3.03 246 iPnc 55 14.90 -0.2
MOX 3.04 253 ePn 55 16.30 1.0
ePg 55 23.80
iSg 56 03.30
WET 3.27 222 iPnc 55 18.50 -0.1
VKA 3.38 178 iPgc 55 29.30 9.2X
iSg 56 12.40
ZST 3.50 170 e(Pn) 55 30.70 8.9X
e 56 09.60
e 56 16.20
Lg 56 28.00
SPC 3.57 132 e(Pn) 55 35.20 12.2X
i 56 14.10
GRF 3.71 240 ePn 55 25.50 0.7
ePg 55 37.00
e(Sn) 56 11.50
eSg 56 20.70
SRO 4.07 159 eP 56 20.50 50.6X
BHG 4.47 210 ePn 55 51.90 16.4X
KBA 4.93 203 iPnc 55 41.50 -0.7
0.6s 26.00nm
i 55 49.50
i 56 39.20
i 56 47.60
i 57 02.60
iSg 57 04.60
i 57 16.80
WTTA 5.29 216 iPnc 55 47.80 0.5
0.4s 10.60nm 4.8mb X
i 57 03.00
i(Sg) 57 13.90
FVI 5.52 205 P 56 32.00 41.6X
HFS 8.63 352 eP 56 33.20 -0.8
0.2s 0.50nm 4.5mb X
S.D. = 0.7 on 13 of 19 obs.

& JUN 29, 1992 16h 01m 42.77s
33.876 N 116.267 W
DEPTH = 1.9km
4.8mb (19 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 5.2 (PAS). Felt at
San Diego.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 38C
Centroid Location:
Origin Time 16:01:47.6 0.4
Lat 33.97N 0.05 Lon 116.50W 0.07
Dep 15.0 FIX Half-duration 2.0
Moment Tensor; Scale 10**17 Nm
Mrr= 0.03 0.07 Mtt=-1.44 0.09
Mff= 1.41 0.10 Mrt= 0.30 0.20
Mrf= 0.41 0.29 Mtf= 1.18 0.06
Principal Axes:
T Val= 1.96 Plg=14 Azm=290
N -0.09 75 93
P -1.87 4 199
Best Double Couple:Mo=1.9*10**17
NP1:Strike=334 Dip=77 Slip= 173
NP2: 66 83 13

PLM 0.72 224 iPd 01 56.36 -0.8
PEC 0.74 271 iPc 01 56.67 -1.0
SSK 1.23 286 iPc 02 05.39 -1.1
ABL 2.63 293 ePnc 02 25.37 -1.8
TPNV 3.07 0 eP 02 33.23 -0.1
BCH 3.41 294 ePnc 02 36.32 -1.9
PKEM 3.83 306 ePn 02 42.44 -1.7
PHAM 3.92 301 ePn 02 42.89 -2.5
TNP 4.27 350 ePn 02 48.80 -1.6
BONR 4.39 339 ePn 02 51.34 -1.0
ARUT 4.53 30 ePn 02 52.80 -1.3
KVN 5.37 345 ePn 03 05.05 -1.1
ARN 5.51 310 ePnc 03 05.03 -3.0
MSU 5.69 34 ePn 03 09.47 -1.2
DUG 6.88 23 ePn 03 25.80 -1.6
SRU 6.98 40 ePn 03 28.52 -0.2
ORV 7.05 325 ePn 03 28.60 -1.0
EMUT 7.36 35 ePn 03 34.68 0.5
DAU 7.65 30 eP 03 38.53 0.2
ALQ 8.18 80 ePd 03 43.96 -1.6
HVU 8.36 18 ePn 03 47.29 -0.7
LBFM 8.69 331 eP 03 53.30 0.6
FHC 9.25 321 eP 03 59.28 -0.9
0.7s 33.39nm 5.9mb X
GOL 10.49 53 eP 04 17.37 -0.2
VGB 12.13 345 (P) 04 41.23 1.6
SHW 13.12 341 ePn 04 54.38 1.5
LON 13.53 344 eP 05 00.95 2.7
BMW 13.65 339 (P) 05 00.20 0.3
DPW 14.06 355 eP 05 05.10 -0.1

29d 16h

OCO 15.55 79 iPc 05 25.40 0.7
FNO 15.61 80 iPd 05 25.10 -0.4
FKO 15.62 80 iPc 05 25.60 0.0
PNT 15.63 352 P 05 27.00 1.3
SES 16.95 12 P 05 43.00 0.4
2.8s 11.80nm 3.5mb X
OLY 20.44 78 eP 06 22.29 -1.9
CCM 20.66 71 eP 06 26.35 0.0
1.2s 50.32nm 4.7mb
FVM 21.30 71 eP 06 31.97 -1.0
1.9s 258.18nm 5.3mb
ULM 22.18 36 eP 06 44.00 2.4
PWLA 23.26 79 eP 06 53.74 1.2
YKA 28.66 2 eP 07 42.30 -0.3
1.1s 3.60nm 4.1mb
FCC 28.95 24 eP 07 42.00 -3.3
BALM 31.96 336 (P) 08 12.83 0.6
TBR 33.87 65 (P) 08 27.98 -0.9
PMR 34.77 333 eP 08 36.07 -0.3
0.9s 21.93nm 5.0mb
REF 35.57 330 eP 08 42.84 -0.6
CPKM 35.79 331 eP 08 43.85 -1.5
HRV 35.83 63 eP 08 45.06 -0.6
0.8s 7.41nm 4.6mb
SVW 37.12 329 eP 08 54.65 -1.6
0.7s 11.92nm 4.7mb
TTA 38.19 332 eP 09 04.57 -0.7
1.0s 13.25nm 4.6mb
IMA 39.09 337 eP 09 12.86 -0.1
1.1s 14.59nm 4.5mb
LMN 40.62 57 eP 09 28.50 2.9
MBC 42.48 359 eP 09 41.50 1.1
1.3s 45.00nm 5.0mb
ZOBO 67.75 129 P 12 43.30 -1.7
LPB 67.96 130 eP 12 53.00 6.9
CNCB 68.24 130 P 12 46.00 -2.0
SIV 72.25 124 P 13 10.80 -1.0
NB2 76.22 23 P 13 34.00 -0.1
0.9s 1.50nm 4.1mb
LPF 80.02 38 eP 13 55.60 0.5
0.9s 7.35nm 4.6mb
LDF 80.12 37 eP 13 56.10 0.4
1.0s 6.60nm 4.5mb
SSF 82.97 37 eP 14 12.40 1.8
1.2s 14.90nm 5.1mb
LOR 83.00 36 eP 14 12.70 1.9
0.8s 6.30nm 4.9mb
AVF 83.08 37 eP 14 12.60 1.4
1.0s 7.60nm 4.9mb
PPD 83.11 122 eP 14 12.90 1.2
LBF 83.25 37 eP 14 13.90 1.7
0.9s 5.90nm 4.8mb
SMF 83.42 37 eP 14 14.50 1.5
0.6s 3.45nm 4.8mb
CAF 83.69 39 eP 14 13.70 -0.7
1.0s 7.60nm 4.9mb
MOX 84.11 30 e(P) 14 19.80 3.4
2.5s 55.00nm 5.3mb
Z 19s 2.40um 5.6Msz
N 19s 2.50um
S 24 45.00
CLL 84.18 29 e(P) 14 27.00 10.3
ITR 84.88 104 eP 14 21.40 0.6
BRG 84.90 29 eP 14 22.20 1.9
PRU 85.83 29 eP 14 38.50 13.5
PDCR 86.49 107 eP 14 10.70 -18.0
e 14 29.20
BCAO 122.82 57 ePKPd 20 45.00 2.4
0.8s 28.00nm
id 21 54.60
ic 23 02.00
KRI 145.01 70 iPKPd 21 24.90 0.9
i 21 31.90
i 21 54.50
BUL 146.03 75 iPKPd 21 26.40 0.7
0.7s 7.53nm
i 21 58.00
MAW 146.23 179 e(PKP)21 27.00 2.6
1.0s 23.00nm
BLF 147.75 92 ePKP 21 16.70 -11.5
PRY 148.09 87 ePKP 21 30.00 1.2
SLR 148.31 85 ePKP 21 32.00 2.8
79 obs. associated

JUN 29, 1992 16h 04m 13.60± 0.13s
27.799 N ± 2.4km 139.455 E ± 3.2km
DEPTH = 554.8km (5 depth phases)
5.4mb (116 obs.)
BONIN ISLANDS REGION (212)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 43C
Centroid Location:
Origin Time 16:04:15.7 0.7
Lat 28.00N 0.05 Lon 139.47E 0.07
Dep 527.5 3.9 Half-duration 2.6
Moment Tensor; Scale 10**17 Nm
Mrr=-1.49 0.12 Mtt= 2.66 0.17
Mff=-1.17 0.13 Mrt= 0.90 0.15
Mrf=-0.99 0.15 Mtf= 0.27 0.15
Principal Axes:
T Val= 2.84 Plg=12 Azm=359
N -0.36 37 98
P -2.48 50 255
Best Double Couple:Mo=2.7*10**17
NP1:Strike= 52 Dip=47 Slip=-146
NP2: 298 66 -48

WKYJ 7.21 334 P 06 03.40 -1.1
S 07 33.10
KAGJ 8.19 296 P 06 14.40 0.3
S 07 51.60
MAT 8.78 353 iPc 06 16.10 -3.9X
eS 07 57.00
KUMJ 8.83 304 P 06 20.60 0.1
S 08 04.70
SHNJ 9.54 313 P 06 27.10 -0.5
S 08 15.90
GUMO 15.01 159 eP 07 21.00 -1.7
1.2s 6678.00nm 7.0mb X
e 08 13.90
eS 09 58.40
PJG 15.01 159 eP 07 21.60 -1.1
SAP 15.30 5 eP 07 24.00 -1.4
SSE 16.25 286 Pc 07 33.30 -1.4
1.0s 220.00nm 5.7mb
S 10 14.00
ScP 14 41.00
TATO 16.34 264 iP 07 34.00 -1.6
0.8s 204.98nm 5.7mb
NJ2 18.35 288 iPd 07 55.00 0.1
1.0s 600.00nm 6.2mb
S 10 57.00
ScP 14 44.50
ScS 18 26.00
DL2 18.53 311 P 07 56.00 -0.6
0.8s 240.00nm 5.9mb
sP 10 04.00
S 10 55.00
ScS 18 25.00
MDJ 18.55 337 Pd 07 57.00 0.2
1.0s 300.00nm 5.9mb
sP 10 07.00
S 10 59.50
ScS 18 25.80
KUR 18.65 19 iPc 08 07.00 9.3X
eS 11 07.00
QZH 18.91 266 iPd 08 00.00 -0.3
0.8s 350.00nm 6.0mb
SNY 19.08 321 Pd 08 01.60 -0.2
0.8s 420.00nm 6.1mb
sP 10 10.50
S 11 11.00
YSS 19.35 7 iPc+ 08 03.00 -1.3
1.0s 270.00nm 5.8mb
e 11 05.00
CN2 19.55 328 eP 08 06.00 -0.2
0.8s 160.00nm 5.7mb
eS 11 11.00
PcP 12 00.00
eScP 14 46.00
eScS 18 26.00
TIA 20.68 300 Pd 08 16.50 -0.1
1.2s 770.00nm 6.2mb
sP 10 34.00
ScS 18 34.00
PLP 21.41 222 ePd 08 23.80 0.4
TGY 21.98 235 ePd 08 29.50 0.9
WHN 22.08 283 iPd 08 29.80 0.4
1.0s 220.00nm 5.7mb
iS 11 56.00
ScP 14 54.00
PGP 22.36 234 ePc 08 32.00 0.0
BJI 22.78 308 eP 08 34.00 -1.6
1.5s 120.00nm 5.3mb
eS 12 04.00
eScS 18 40.00
BIP 23.13 215 eP 08 38.00 -1.0
HKC 23.53 262 eP 08 42.80 0.2
CGP 23.76 219 iPd 08 43.00 -1.7
GZH 24.02 265 iPd 08 47.50 0.5
MCO 24.13 262 iP 08 48.60 0.7
TIY 24.71 300 Pc 08 52.60 -0.5
HHC 26.33 307 iPd 09 07.00 -0.4
1.2s 130.00nm 5.4mb
XAN 26.86 291 iPd 09 11.60 -0.4
1.4s 130.00nm 5.4mb
S 13 10.00
BTO 27.35 305 P 09 16.00 -0.3
1.4s 85.00nm 5.2mb
sP 11 43.50
S 13 18.50
PcS 15 59.00
QIZ 28.48 259 P 09 27.50 1.3
PET 28.94 24 iPc 09 29.00 -0.8
1.0s 300.00nm 5.9mb
GYA 29.17 275 iPd 09 32.00 -0.3
1.0s 310.00nm 5.9mb
S 13 45.00
TNE 29.25 205 eP 09 32.50 -0.3
MNI 29.71 211 ePd 09 17.50 -19.3X
eS 13 56.50
KKM 30.90 230 eP 09 47.10 0.1
0.8s 148.00nm 5.7mb
CIT 30.96 328 eP 09 48.00 0.8
eS 14 14.00
CD2 31.19 284 iPd 09 49.20 -0.1
S 14 15.00
LZH 31.19 294 iPd 09 49.50 0.0
1.4s 220.00nm 5.6mb
pP 11 15.00 488kmX
PP 11 20.00
sP 12 19.00
PcP 12 28.50
S 14 16.00
ScP 15 20.50
sS 17 09.50
ScS 19 18.00
WWKK 31.50 172 eP 09 53.00 1.0
KMI 32.90 274 iPd- 10 05.00 1.0
1.4s 640.00nm 6.1mb
Z 20s 1.30um 4.6Msz
pP 10 28.50 104kmX
i 11 42.00
S 17 48.00
MGD 33.21 10 iPc+ 10 05.00 -0.9
0.9s 630.00nm 6.2mb
e 11 34.00 507kmX
i 14 46.00
e 17 40.00
e 19 28.00
MNDI 34.00 173 eP 10 13.00 -0.2
PCI 34.20 217 iPc 09 45.30 -29.3X
0.7s 65.50nm
GTA 34.73 300 iPd 10 19.00 -0.1
1.0s 150.00nm 5.6mb
pP 11 49.00 513kmX
PcP 12 38.00
S 15 18.00
ScP 15 34.50
ScS 19 37.00
YAK 34.83 352 iPc+ 10 18.60 -0.7
1.0s 528.00nm 6.1mb
ipP 11 51.00 533kmX
i 12 32.00
iS 15 09.00
i 19 33.00
BOD 34.88 336 iPc 10 20.20 0.4
1.2s 178.00nm 5.6mb
LAT 35.02 167 eP 10 21.20 -0.2
SMY 35.76 36 eP 10 28.20 1.1
IRK 35.79 323 ePd 10 27.70 0.2
1.4s 64.00nm 5.1mb
Z 14s 0.42um 4.4MszX
E 14s 0.29um
ePPP 12 05.00
iS 15 28.00
e 19 38.00
LOE 36.20 262 eP 10 31.50 0.3
MOY 37.36 320 eP 10 41.00 0.7
PMG 37.73 168 iPc 10 43.00 -0.7

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        0.8s   119.40nm          5.6mb
CHG     38.12 265 iPd    10 47.20   0.2
NST     38.31 260 iPd    10 51.00   2.6X
BDT     38.66 263 iPd    10 51.80   0.5
        0.9s   460.10nm          6.1mb
KHT     40.03 260 iPd    11 03.70   1.3
NNT     40.03 256 iPd    11 03.00   0.6
ADK     40.54  41 eP     11 05.80  -0.3
        1.1s   243.70nm          5.7mb
MTN     41.20 192 iPc    11 10.90  -0.8
        0.4s   154.00nm          5.9mb
LSA     42.15 285 P      11 22.00   2.3
     N  15s     1.30um
                  iS     17 03.00
                  SS     20 20.00
KHKI    42.72 216 ePc    11 23.70   0.0
                  e      14 10.60
IPM     43.23 245 ePd    11 28.80   0.9
        0.6s   317.60nm          6.0mb
KLM     43.63 243 ePd    11 32.20   1.2
WMO     44.19 305 iPd    11 35.50   0.3
        1.0s   270.00nm          5.7mb
                  S      17 30.00
TIK     44.27 355 iP     11 34.50  -0.7
        1.0s   152.00nm          5.5mb
                  i      13 31.00 704kmX
                  iS     17 29.00
                  iSS    20 29.50
GUN     47.04 283 Pd     11 57.40  -0.1
ILT     47.22  20 iPc    11 57.00  -0.9
        1.2s   682.00nm          6.1mb
                  i      13 15.00 390kmX
PKI     47.52 283 Pd     12 00.40  -0.7
KKN     47.58 283 Pd     12 01.00  -0.5
WB2     47.72 186 iPc    12 00.00  -2.1
        0.3s   192.00nm          6.1mb
                  iPcP   13 20.10
                  ePP    13 38.20
                  iScP   16 21.70
                  eS     18 09.80
WRA     47.72 187 P      12 00.00  -2.1
        0.7s   113.80nm          5.5mb
DMN     47.77 283 Pd     12 02.60  -0.4
CTA     48.06 171 iPd    12 05.10   0.4
        0.8s   188.06nm          5.7mb
                  epP    13 23.20 388kmX
                  iPcP   13 50.00
                  eS     18 27.20
QIS     48.07 180 iPc    12 03.80  -1.0
        0.5s    29.00nm          5.1mb
                  i      18 21.00
GKN     48.09 284 Pd     12 04.60  -0.6
ANM     50.44  27 ePc    12 22.80   0.9
SDN     50.70  40 eP     12 22.30  -1.6
NRI     50.97 339 iPd+   12 24.00  -1.7
        1.2s   110.00nm          5.2mb
                  i      19 00.00
                  i      19 14.00
                  eS     21 15.00
PRZ     51.00 304 iPc    12 27.50   0.9
        1.0s   520.00nm          5.9mb
                  iS     19 06.50
ASPA    51.44 187 iPc    12 28.50  -1.2
        0.5s   127.50nm          5.6mb
                  iPcP   13 35.20
                  eScP   16 40.70
                  eS     19 06.20
                  eScS   21 25.30
TLG     51.69 305 iP     12 33.00   1.6
        1.1s   180.00nm          5.4mb
                  i      19 17.00
                  e      21 21.00
MBL     52.24 203 iPc    12 35.00  -0.4
        0.8s   192.00nm          5.6mb
KSH     53.14 300 P      12 43.70   1.8
        0.7s   130.00nm          5.4mb
FRU     53.75 304 iPd    12 47.00   0.9
        1.8s   240.00nm          5.2mb
                  e      13 41.80 249kmX
                  eS     19 42.00
SVW     53.99  33 ePc    12 48.20   0.6
TTA     54.07  31 eP     12 48.30   0.2
        0.9s    51.40nm          4.9mb
NDI     54.26 287 iPd    12 49.20  -0.6
        0.8s   208.96nm          5.5mb
                  PP     13 45.00
                  eS     19 46.00
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OLP     54.26 175 iPd    12 48.60  -1.1
RMO     54.71 170 iPc    12 52.50  -0.4
        1.0s   108.00nm          5.1mb
WARB    55.07 194 iPd    12 55.80   0.4
        0.4s    19.00nm          4.8mb
NANU    55.14 207 eP     12 56.00   0.1
KDC     55.31  37 eP     12 57.10   0.4
IMA     55.56  27 ePc    12 58.80   0.2
        0.9s    44.90nm          4.8mb
BRW     55.58  21 eP     12 59.10   0.7
DZM     56.02 149 iPc    13 02.00  -0.1
PMR     57.15  33 eP     13 08.40  -0.9
        1.1s   181.70nm          5.3mb
     Z  19s     2.50um           5.3Msz
MEEK    57.71 202 eP     13 13.00  -0.6
FBA     57.88  29 eP     13 14.60   0.3
        1.2s   159.00nm          5.2mb
TOA     58.56  32 iPc    13 20.60   1.6
ARMA    59.05 168 iPd    13 22.50  -0.1
        0.6s    35.00nm          4.9mb
CMS     59.27 174 eP     13 23.00  -0.9
        1.0s    29.00nm          4.6mb
STK     59.38 178 iPc    13 23.90  -0.7
        0.7s    31.80nm          4.7mb
                  i      15 07.90 516kmX
                  eS     20 48.60
POO     60.41 276 iPd    13 33.40   1.5
        1.0s   276.00nm          5.6mb
COOL    60.91 198 iPc    13 34.00  -0.8
        0.8s   111.00nm          5.3mb
MRWA    60.98 203 iPc    13 34.70  -0.5
SVE     61.19 322 iPd    13 36.80   0.5
        2.0s   220.00nm          5.2mb
                  e      14 12.00 148kmX
                  e      15 20.50
                  i      21 15.00
                  e      22 32.00
BAL     62.01 202 eP     13 23.20 -18.7X
        0.4s   115.00nm
ARU     62.36 322 iPd    13 43.80  -0.1
        1.0s   220.00nm          5.5mb
     Z  16s     2.00um           5.4MszX
     N  16s     1.50um
     E  14s     1.00um
                  e      15 35.00 552km
                  e      16 27.00
                  e      21 28.00
                  e      22 39.00
ADE     62.43 181 iPd    13 46.00   1.5
        0.9s   294.12nm          5.7mb
BWA     62.46 172 eP     13 46.20   1.4
CAN     63.42 171 iPd    13 51.40   0.5
MUN     63.43 202 eP     13 51.50   0.5
NWAO    63.98 201 eP     13 55.00   0.6
SIT     64.60  37 eP     13 59.30   1.2
BFD     64.70 177 eP     13 59.00   0.2
        0.5s    14.00nm          4.7mb
TOO     65.27 175 eP     14 04.00   1.5
        0.9s   140.00nm          5.5mb
                  i      15 57.00 554km
MBC     65.84  15 ePd    14 05.50  -0.1
        1.0s   193.00nm          5.6mb
KAT     68.06 304 iP-    14 21.50   1.8
     Z  18s     1.60um           5.3Msz
     N  18s     1.80um
     E  18s     0.80um
                  i      22 40.00
APA     70.50 337 iPd    14 33.40  -0.3
                  iS     23 01.00
KEV     71.51 340 iP     14 40.00   0.5
        0.8s    79.20nm          5.3mb
BAK     72.26 307 eP     14 44.00  -0.4
                  iS     23 30.00
YKA     72.67  28 eP     14 46.20  -0.1
        0.9s    35.90nm          4.9mb
SHE     73.07 307 iPd    14 50.00   1.0
        0.8s   110.00nm          5.4mb
                  iS     23 36.00
MOS     73.75 325 eP     14 53.00   0.5
        2.0s   250.00nm          5.4mb
                  e      17 49.00
GRO     74.05 311 iPd-   14 55.00   0.5
        1.5s   160.00nm          5.3mb
     Z  14s     0.50um           5.0MszX
     N  14s     1.00um
     E  12s     1.00um
                  i      15 07.00  40kmX
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                  iS     23 44.00
PGC     74.06  43 eP     14 56.00   1.6
SHI     74.36 295 eP     14 56.00  -0.7
OBN     74.55 324 iPd    14 57.20   0.2
        0.9s    87.00nm          5.2mb
     Z  20s     1.60um           5.3Msz
     N  22s     1.30um
     E  20s     1.00um
                  i      16 51.00 535kmX
                  iS     23 48.00
                  iPS    24 16.00
MTA     75.31 310 iPd    15 02.40   1.0
        0.6s    60.00nm          5.2mb
     Z  20s     0.50um           4.8Msz
     N  20s     0.50um
     E  20s     0.50um
PUL     75.34 330 (P)    15 00.00  -1.2
        1.0s   200.00nm          5.5mb
PYA     75.51 312 iPc    15 03.00   0.4
        1.0s   100.00nm          5.2mb
     Z  18s     1.00um           5.2Msz
                  e      18 05.00
                  e      24 48.00
KAF     75.78 334 iP     15 03.70   0.1
        0.6s    77.90nm          5.3mb
KIV     75.79 312 iPd    15 05.30   1.0
     Z  19s     1.29um           5.3Msz
PNT     76.06  41 eP     15 06.00   0.5
        1.0s    82.00nm          5.1mb
ERE     76.14 308 iP-    15 07.50   1.3
                  iS     24 10.00
NUR     77.33 333 iP     15 12.30   0.2
        0.3s    22.50nm          5.1mb
ANN     78.83 315 eP     15 21.00   0.7
        1.0s    70.00nm          5.0mb
     Z  17s     2.00um           5.5MszX
     N  20s     1.50um
                  iS     24 34.00
MNK     79.72 326 eP     15 23.00  -1.7
     Z  22s     2.10um           5.4Msz
                  eS     24 36.00
SES     80.38  38 eP     15 29.00   0.6
        0.9s   156.00nm          5.5mb
UPP     80.52 334 iPd    15 28.30  -0.5
SIM     80.78 316 eP     15 32.00   1.5
                  eS     24 55.00
HFS     81.81 336 eP     15 34.70  -0.7
        0.7s    52.80nm          5.2mb
     Z  18s     1.70um           5.5Msz
                  LR     43 54.00
NB2     82.05 337 P      15 36.40  -0.3
        0.8s    77.50nm          5.3mb
KIS     82.81 320 iPd-   15 40.00  -0.7
        0.6s   200.00nm          5.8mb
                  e      18 28.00
                  eS     25 12.00
FCC     83.02  25 eP     15 43.00   1.5
BBTK    84.26 312 eP     15 56.00   7.8X
VRI     84.68 320 ePc    15 50.50   0.5
MLR     85.35 320 ePc    15 53.50   0.1
UZH     85.47 324 ePc    15 55.00   1.3
        0.8s    40.00nm          5.1mb
     Z  17s     2.00um           5.6MszX
     N  17s     1.50um
     E  17s     2.00um
OJC     85.76 326 eP     15 55.80   0.7
GLH     85.90 305 eP     15 56.90   0.7
CSS     86.41 308 eP     15 58.70   0.1
ZNT     86.60 305 eP     15 59.80   0.3
KSP     87.05 328 iPd    16 01.50   0.2
        1.1s    49.00nm          5.2mb
                  e      18 03.30 557km
PRNI    87.59 303 eP     16 04.30   0.0
MBH     87.97 303 iPd    16 05.90  -0.2
SRO     88.06 325 iP     16 06.40   0.4
                  e      19 42.40
BRG     88.11 329 iP     16 06.20   0.0
        1.0s    24.00nm          5.0mb
                  i      16 08.40   7kmX
ULM     88.16  32 eP     16 08.00   1.6
CLL     88.24 330 iPd    16 06.50  -0.3
        0.9s    26.00nm          5.1mb
ZST     88.42 326 iP     16 08.40   0.7
                  e      18 10.80 558km
                  e      19 46.70
PRU     88.45 328 P      16 08.00   0.2
        1.5s    24.90nm          4.9mb
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Z 15s 2.00um 5.7MszX
N 17s 1.60um
E 18s 0.90um
e 18 09.50 553km
e 19 46.20
VKA 88.76 326 iPd 16 10.00 0.7
Z 18s 2.70um 5.7Msz
LR 55 30.00
MOX 89.33 330 iP 16 11.70 -0.1
2.0s 48.00nm 5.1mb
HOF 89.45 329 iPd 16 12.50 0.1
KHC 89.50 328 iP 16 13.20 0.5
1.2s 25.00nm 5.0mb
Z 16s 2.80um 5.8MszX
N 20s 1.90um
E 22s 2.30um
e 18 22.50 597kmX
e 20 51.00
eS 25 34.00
GEC2 89.64 328 PKP 16 12.20 -1.2
0.9s 12.41nm 4.9mb
VAY 89.80 318 iP 16 14.30 0.1
0.8s 63.00nm 5.6mb
SKO 90.07 319 iPd 16 16.00 0.6
1.1s 59.00nm 5.4mb
GRF 90.19 329 iPd 16 16.60 0.8
1.3s 71.00nm 5.5mb
Z 19s 3.80um 5.8Msz
PTJ 90.54 324 eP 16 17.40 -0.2
e(S) 19 56.00
ZAG 90.58 324 eP 16 18.00 0.3
BHG 90.82 327 iPd 16 19.40 0.6
0.9s 56.00nm 5.6mb
OHR 90.98 318 eP 16 19.60 -0.1
1.1s 124.00nm 5.9mb
eS 25 59.00
KBA 91.04 326 iPd 16 19.60 -0.4
0.9s 16.20nm 5.1mb
i 16 24.00 14kmX
e 18 24.00
e 19 21.00
VBY 91.17 324 eP 16 20.50 0.1
EKA 91.23 340 Pc 16 18.10 -2.4
0.8s 8.50nm 4.8mb
FUR 91.26 328 eP 16 21.20 0.4
1.0s 84.00nm 5.7mb
CEY 91.43 325 eP 16 21.00 -0.7
VOY 91.50 325 iP 16 21.40 -0.7
WTTA 91.74 327 iPd 16 22.90 -0.3
1.0s 24.70nm 5.2mb
i 16 30.20 23kmX
WLF 92.42 332 Pc 16 27.00 1.0
DOU 92.73 333 Pc 16 27.30 -0.2
Z 18s 1.40um 5.5Msz
SLE 92.83 329 ePd 16 27.70 -0.4
OSS 92.86 328 ePd 16 28.50 0.1
CDF 92.89 330 P 16 28.21 -0.2
LIBD 92.94 330 P 16 28.65 0.1
FEL 92.96 330 P 16 28.58 -0.2
ECH 93.09 330 P 16 28.96 -0.3
ZLA 93.09 329 ePd 16 28.80 -0.5
MOF 93.37 330 P 16 30.25 -0.4
BBS 93.50 330 P 16 30.85 -0.3
BSF 93.54 330 eP 16 30.40 -1.0
1.0s 15.40nm 5.1mb
HAU 93.60 331 eP 16 30.90 -0.7
0.7s 10.70nm 5.1mb
TMA 93.88 328 ePd 16 32.60 -0.6
MMK 94.35 328 ePd 16 35.50 0.2
ROI 94.44 319 P 16 35.60 0.0
CSI 94.47 320 P 16 35.80 0.1
LOR 95.24 331 eP 16 38.30 -0.7
1.2s 17.55nm 5.2mb
LPL 95.32 329 eP 16 39.00 -0.7
0.7s 13.55nm 5.3mb
LPG 95.32 329 eP 16 39.10 -0.7
0.7s 15.55nm 5.3mb
LBF 95.41 331 eP 16 38.90 -0.9
0.8s 6.70nm 4.9mb
SSF 95.55 331 eP 16 40.00 -0.4
1.1s 12.95nm 5.1mb
SMF 95.73 331 eP 16 40.50 -0.8
1.2s 18.15nm 5.2mb
FLN 95.78 335 eP 16 40.60 -0.8
0.7s 6.50nm 5.0mb
LDF 95.79 334 eP 16 40.40 -1.0
0.6s 6.50nm 5.0mb
AVF 95.83 331 eP 16 41.10 -0.6
1.1s 22.20nm 5.3mb
BGF 96.23 332 eP 16 42.90 -0.6
0.6s 3.25nm 4.8mb
SBF 96.23 327 eP 16 42.10 -1.5
0.8s 17.85nm 5.4mb
PGF 96.44 326 eP 16 42.70 -1.9
LPF 96.60 335 eP 16 44.60 -0.5
0.6s 5.75nm 5.0mb
MAF 96.61 331 eP 16 45.20 0.0
0.8s 5.65nm 4.9mb
TCF 96.71 332 eP 16 45.40 -0.3
FRF 96.84 328 eP 16 44.90 -1.4
1.0s 11.00nm 5.1mb
LSF 97.02 332 eP 16 46.70 -0.4
LRG 97.05 328 eP 16 46.10 -1.1
0.9s 11.45nm 5.2mb
LMR 97.08 327 eP 16 46.20 -1.1
1.1s 17.60nm 5.3mb
MFF 97.42 333 eP 16 47.60 -1.3
0.7s 3.10nm 4.7mb
RJF 97.79 331 eP 16 50.20 -0.4
0.9s 8.50nm 5.1mb
SPA 117.64 180 iPKPd 21 58.40 1.0
0.7s 12.50nm
e 23 21.40
e 24 43.40
POF 127.39 253 ePKP 22 20.00 2.9X
TIC 131.52 310 PKP 22 18.32 -7.1X
KIC 131.53 309 PKP 22 18.52 -6.9X
LIC 131.83 309 PKP 22 19.48 -6.5X
SDV 133.33 43 ePKP 22 29.60 0.5
NNA 142.59 72 ePKP 22 42.30 -3.5X
0.8s 10.45nm
ARE 149.28 75 ePKP 23 04.00 7.0X
ZOBO 152.05 72 iPKPd 23 02.80 1.3
Z 21s 1.24um 5.7Msz
i 23 09.90
LR 36 06.00
LPB 152.20 72 PKP 23 04.00 2.6X
Z 20s 2.13um 5.9Msz
PcP 25 11.00
LR 35 10.00
CNCB 152.43 72 PKP 23 04.00 2.1
CCH 154.24 72 (PKP) 23 06.00 2.0
SIV 157.66 63 PKP 23 09.60 1.5
ITR 160.96 354 ePKP 23 12.90 1.2
PDCR 164.75 355 ePKP 23 17.10 1.8
e 24 15.00
PPD 168.67 62 ePKP 23 20.20 2.2
S.D. = 0.9 on 225 of 239 obs.

? JUN 29, 1992 16h 12m 00.42± 1.45s
27.216 N ±23.0km 59.700 E ±15.5km
DEPTH = 33.0km (normal)
4.9mb (8 obs.) 4.9Msz (1 obs.)
SOUTHERN IRAN (353)

MAIO 9.06 359 iPn 14 12.00 0.0
0.9s 23.44nm 5.4mb X
eSn 22 24.00
LZH 38.34 65 eP 19 20.00 -0.2
1.5s 28.00nm 4.9mb
Z 22s 2.03um 4.9Msz
N 16s 1.15um
GEC2 41.39 314 P 19 53.70 8.5X
1.1s 5.69nm 4.2mb
BRG 41.79 317 iP 19 45.40 -2.8X
1.0s 24.00nm 4.9mb
LBF 47.55 310 eP 20 35.30 0.7
1.0s 11.20nm 4.8mb
LOR 47.65 310 eP 20 34.10 -1.3
1.1s 18.30nm 5.0mb
SSF 47.88 310 eP 20 36.50 -0.6
1.1s 30.50nm 5.2mb
BGF 48.30 309 eP 20 41.50 1.1
1.2s 32.45nm 5.2mb
MAF 48.48 309 eP 20 44.30 2.5X
1.4s 18.30nm 4.9mb
KVN 114.05 358 ePdiff26 46.85 0.4
MSU 114.17 353 (Pdiff26 59.49 12.4X
BONR 115.15 358 ePdiff26 33.06 -18.5X
ARN 115.77 1 ePdiff26 47.99 -6.0X
S.D. = 1.0 on 7 of 13 obs.

• JUN 29, 1992 16h 25m 28.93± 3.00s
34.178 N ±27.3km 116.469 W ±15.3km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.6 (GS). MD 3.7 (PAS).
Multiple event.

SSK 1.01 272 iPc 25 49.16 0.4
ABL 2.37 287 eP 26 09.00 -0.3
TPNV 2.77 4 eP 26 15.34 0.4
BCH 3.14 290 ePn 26 19.39 -0.8
PKEM 3.53 303 (P) 26 24.89 -0.6
PHAM 3.62 298 (P) 26 28.03 1.1
TNP 3.94 351 ePnd 26 31.45 -0.2
ARUT 4.36 33 ePn 26 37.43 -0.1
DUG 6.68 25 eP 27 13.07 2.8X
SRU 6.86 42 ePn 27 15.79 2.9X
EMUT 7.22 37 (P) 27 24.28 6.4X
DAU 7.48 32 ePg 27 49.13 27.5X
S.D. = 0.7 on 8 of 12 obs.

& JUN 29, 1992 16h 41m 41.92s
34.250 N 116.719 W
DEPTH = 1.8km
4.2mb (5 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.9 (PAS).

PEC 0.51 226 iPd 41 51.55 -0.6
SSK 0.81 267 iPc 41 57.19 -0.9
PLM 0.90 188 iPd 41 58.88 -1.2
ISA 2.02 315 ePn 42 16.47 -1.0
ABL 2.15 287 ePnc 42 17.73 -1.8
BCH 2.92 290 ePnc 42 28.37 -2.1
PKEM 3.31 304 ePn 42 33.88 -2.0
PHAM 3.41 299 ePn 42 34.69 -2.6
TNP 3.85 354 iPd 42 42.28 -1.4
BONR 3.91 341 eP 42 43.83 -0.9
ARUT 4.42 36 iPd 42 50.18 -1.6
eS 44 00.85
KVN 4.92 347 ePn 42 56.81 -2.1
ARN 4.99 310 ePn 42 56.65 -3.0
eS 44 20.08
MSU 5.62 39 ePn 43 07.04 -1.7
ORV 6.53 326 eP 43 20.12 -1.4
eS 45 03.64
DUG 6.70 27 ePn 43 21.96 -2.0
SRU 6.95 44 ePn 43 26.96 -0.5
EMUT 7.29 39 eP 43 32.08 -0.2
DAU 7.53 34 eP 43 35.86 0.1
HVU 8.13 21 eP 43 42.98 -1.1
LBFM 8.18 332 (Pn) 43 44.22 -0.5
eS 46 04.97
VGB 11.67 346 eP 44 35.54 2.9
SHW 12.65 342 eP 44 46.66 0.9
LON 13.07 344 ePn 44 49.33 -2.0
GMW 14.05 343 eP 45 02.54 -1.6
OCO 15.85 80 iPd 45 33.00 5.2
OLY 20.74 79 eP 46 24.44 -2.0
FVM 21.54 72 eP 46 33.21 -1.4
0.8s 11.94nm 4.3mb
GBTN 26.62 78 (P) 47 23.20 -0.4
TKL 26.97 78 eP 47 23.82 -3.0
YKA 28.30 2 eP 47 36.50 -2.1
1.0s 1.90nm 3.9mb
PMR 34.27 333 (P) 48 30.83 -0.3
0.4s 6.34nm 4.9mb
TTA 37.68 332 eP 48 59.34 -0.8
1.0s 5.42nm 4.2mb
MBC 42.10 359 eP 49 37.00 0.5
1.0s 4.00nm 4.1mb
ZOBO 68.28 129 P 52 42.90 -4.6
LPB 68.48 129 eP 52 56.00 7.5
CNCB 68.76 129 P 52 49.00 -1.4
SIV 72.77 124 eP 53 12.00 -2.0
ITR 85.33 104 eP 54 14.00 -8.2
WB2 116.28 263 ePKP 00 25.80 -3.4
1.0s 2.00nm
WRA 116.29 263 PKP 00 27.40 -1.8
0.5s 0.50nm
41 obs. associated

• JUN 29, 1992 17h 08m 24.47± 0.94s
34.337 N ± 9.4km 32.941 E ±11.4km
DEPTH = 32.2 ± 8.3 km
CYPRUS REGION (372)
ML 3.5 (CSS).

CSS 0.70 27 ePc 08 37.10 -0.9

eS 08 49.00
PPCY 0.74 318 eP 08 38.40 0.0
eS 08 50.50
FAM 1.09 53 eP 08 45.20 1.6
eS 09 03.80
BHL 2.29 100 Pg 09 00.00 -0.9
Sg 09 20.00
SHMJ 2.85 123 P 09 08.53 -0.2
BURJ 3.18 130 P 09 13.58 0.1
SALJ 3.27 134 P 09 15.42 0.7
JARJ 3.27 129 P 09 13.69 -1.1
KFNJ 3.37 136 Pc 09 16.23 0.1
MASJ 3.49 137 P 09 17.76 -0.2
LISJ 3.76 145 P 09 22.23 0.7
S.D. = 1.0 on 11 of 11 obs.

JUN 29, 1992 18h 20m 14.18± 1.24s
60.549 N ± 6.6km 4.892 E ±12.6km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
MD 1.6 (BER). ML 1.6 (NAO).

ASK 0.16 114 eP 20 17.90 0.0
eSg 20 20.80
EGD 0.32 149 eP 20 20.60 -0.3
SUE 0.51 353 eP 20 24.20 -0.4
eSg 20 31.70
HYA 0.89 45 eP 20 31.00 -0.2
eSg 20 43.58
FOO 1.06 4 eP 20 34.49 0.5
eSg 20 47.96
ODD1 1.08 126 eP 20 34.98 0.5
eSg 20 51.12
FRO 1.21 360 eP 20 36.82 0.1
NRA0 3.28 84 P 21 06.37 -0.3
Lg 21 55.44
S.D. = 0.4 on 8 of 8 obs.

& JUN 29, 1992 18h 23m 29.50s
40.446 N 125.360 W
DEPTH = 5.0km
OFF COAST OF NORTHERN CALIFORNIA(34)
<GM-P>. MD 3.2 (GM).

FHC 1.11 71 iPc 23 49.67 -1.1
LBFM 2.78 70 eP 24 14.49 -1.2
ORV 3.10 105 (P) 24 17.22 -2.7
3 obs. associated

JUN 29, 1992 18h 24m 40.16± 0.63s
34.665 N ± 4.9km 116.726 W ± 7.2km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 2.8 (GS). MD 3.0 (PAS).

PEC 0.85 205 eP 24 56.34 -0.7
SSK 0.92 241 iPc 24 58.53 0.2
S 25 11.66
PLM 1.31 185 ePd 25 04.45 -0.6
eS 25 20.80
ISA 1.74 305 ePn 25 11.05 -0.3
iS 25 38.25
ABL 2.06 276 ePn 25 16.08 0.0
GLA 2.25 135 eP 25 19.78 1.1
TPNV 2.31 10 (P) 25 18.49 -1.2
BCH 2.81 282 ePn 25 27.46 0.8
TNP 3.43 354 ePn 25 35.52 -0.1
BONR 3.52 339 ePn 25 37.69 0.8
S.D. = 0.8 on 10 of 10 obs.

JUN 29, 1992 19h 43m 21.90± 0.39s
36.699 N ± 3.8km 28.310 E ± 4.0km
DEPTH = 73.7 ± 6.4 km
4.0mb (20 obs.)
DODECANESE ISLANDS (369)
MD 4.2 (HLW), 4.1 (ATH).

KHL 1.89 30 iPn 43 52.50 -0.2
IZM 1.89 334 iPn 43 51.90 -0.8
NPS 2.62 238 eP 44 02.50 -0.2
eS 44 32.00
ALT 2.75 31 iPn 44 05.00 0.3
DST 2.91 5 iPn 44 06.90 0.0
PRK 3.01 328 eP 44 08.00 -0.2
eS 44 41.30
EZN 3.49 334 iPn 44 14.10 -0.8
BNT 3.66 355 iPn 44 16.90 -0.4
PPCY 3.75 118 eP 44 19.80 1.3
eS 45 00.30
ATH 3.87 291 eP 44 20.40 0.1
GPA 3.91 23 ePn 44 21.00 0.2
YLV 3.95 12 iPn 44 20.90 -0.5
GYN 4.11 27 eP 44 24.00 0.3
EYL 4.12 20 ePn 44 22.90 -1.0
GBZT 4.18 12 eP 44 24.00 -0.6
VLI 4.32 272 eP 44 26.40 -0.1
CSS 4.43 112 eP 44 32.30 4.1X
eS 45 17.20
CTT 4.44 1 iPn 44 26.90 -1.4
BBTK 4.70 47 iP 44 33.80 1.8
VLS 6.32 286 eP 44 56.20 1.8
VAY 6.42 318 ePn 45 01.60 5.7X
ATZ 6.91 122 eP 45 03.30 0.6
eS 46 16.70
ZNT 7.11 127 eP 45 06.00 0.6
eS 46 19.10
OHR 7.33 309 ePn 45 02.00 -6.4X
KOT 7.37 155 ePn 45 07.25 -1.6
eSn 46 24.50
SKO 7.49 317 ePn 44 56.50 -14.1X
SAGI 8.36 139 eP 45 21.70 -0.9
eS 46 48.80
MLR 8.96 349 ePc 45 30.50 -0.5
VRI 9.24 353 ePc 45 35.00 0.4
KBA 15.20 318 iPd 46 58.30 4.6X
0.6s 5.00nm 3.9mb
i 47 01.20
CTI 15.58 312 P 47 02.30 3.8X
GEC2 16.16 323 P 47 06.50 0.7
0.5s 1.66nm 3.4mb
VAI 17.27 308 P 47 21.20 1.7
SBF 17.44 301 eP 47 22.00 0.3
0.7s 6.50nm 4.0mb
BRG 17.51 329 eP 47 24.60 2.2
GRF 17.94 322 eP 47 28.10 0.4
CLL 18.23 328 eP 47 33.00 1.7
BNI 18.33 304 P 47 32.90 0.3
MOX 18.38 325 eP 47 33.70 0.6
1.4s 18.00nm 4.1mb
LPG 18.43 305 eP 47 33.50 -0.6
0.5s 4.45nm 3.9mb
LPL 18.45 305 eP 47 34.00 -0.2
0.5s 6.90nm 4.1mb
RSL 18.58 306 P 47 34.93 -0.8
CDF 19.35 314 eP 47 43.20 -1.0
0.7s 3.30nm 3.7mb
HAU 19.70 312 eP 47 47.50 -0.3
0.5s 3.80nm 4.0mb
SMF 20.73 306 eP 47 57.70 -0.7
0.4s 5.75nm 4.3mb
LBF 20.76 307 eP 47 58.00 -0.7
0.6s 2.55nm 3.7mb
SSF 21.09 307 iPc 48 01.70 -0.3
0.7s 8.25nm 4.2mb
AVF 21.09 306 eP 48 01.30 -0.7
0.5s 3.00nm 3.9mb
RJF 21.90 301 eP 48 11.10 1.0
0.6s 2.45nm 3.8mb
LPO 21.99 300 eP 48 10.60 -0.4
0.5s 3.85nm 4.1mb
LFF 22.35 300 eP 48 15.50 1.0
0.5s 3.30nm 4.0mb
MFF 23.34 304 eP 48 24.00 -0.1
0.5s 3.30nm 4.0mb
LDF 23.91 309 eP 48 29.60 0.0
0.5s 3.30nm 4.0mb
FLN 24.19 309 eP 48 32.10 -0.2
0.4s 3.95nm 4.2mb
LPF 24.32 307 eP 48 32.60 -1.0
0.7s 5.75nm 4.1mb
HFS 25.26 343 eP 48 41.20 -1.2
0.4s 1.00nm 3.6mb
GKN 47.78 84 P 52 00.00 6.1X
S.D. = 0.9 on 50 of 57 obs.

& JUN 29, 1992 20h 07m 35.45s
33.889 N 116.290 W
DEPTH = 2.5km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.6 (PAS). ML 3.9
(GS).

PLM 0.72 222 iPd 07 49.17 -0.6
PEC 0.72 270 iPc 07 48.99 -0.9
SSK 1.21 286 ePn 07 57.49 -1.3
ISA 2.52 315 ePd 08 16.14 -2.0
eS 08 55.34
ABL 2.61 292 ePn 08 17.79 -1.7
TPNV 3.05 1 eP 08 24.70 -1.1
BCH 3.39 293 ePn 08 29.66 -0.8
PKEM 3.81 306 ePn 08 36.21 -0.2
PHAM 3.90 301 ePn 08 37.42 -0.2
TNP 4.25 350 eP 08 40.81 -2.0
BONR 4.37 339 ePn 08 42.96 -1.7
ARUT 4.53 30 ePn 08 43.94 -2.8
KVN 5.35 345 eP 08 56.57 -1.9
ARN 5.49 310 eP 08 56.06 -4.2
DUG 6.88 23 eP 09 17.44 -2.5
ORV 7.03 325 eP 09 21.65 -0.3
16 obs. associated

• JUN 29, 1992 20h 09m 53.21± 0.89s
6.709 S ± 9.6km 146.927 E ± 9.8km
DEPTH = 10.0km (geophysicist)
3.8mb (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

LAT 0.09 53 iPd 09 55.60 -0.2
YYYY 1.06 296 eP 10 13.70 0.4
PMG 2.69 175 eP 10 38.00 0.6
MNDI 3.29 279 eP 10 52.00 5.9X
WB2 17.95 222 eP 14 03.50 -1.1
0.7s 2.60nm 3.5mb
ASPA 21.00 215 eP 14 39.70 0.3
0.7s 7.40nm 4.2mb
S.D. = 1.0 on 5 of 6 obs.

• JUN 29, 1992 20h 21m 57.83± 1.55s
34.169 N ± 7.4km 116.454 W ±13.4km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.2 (GS). MD 3.1 (PAS).

PEC 0.65 245 iPc 22 11.01 0.2
iS 22 19.52
PLM 0.88 203 iP 22 15.22 -0.1
iS 22 26.77
SSK 1.03 273 iPc 22 18.26 0.4
S 22 32.86
ISA 2.23 313 ePn 22 35.48 -0.6
iPg 22 40.27
ABL 2.38 287 ePn 22 37.55 -0.9
BCH 3.16 290 ePn 22 49.79 0.5
TNP 3.95 351 ePn 23 01.09 0.4
S.D. = 0.7 on 7 of 7 obs.

& JUN 29, 1992 20h 42m 24.04s
34.450 N 116.523 W
DEPTH = 9.4km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.3 (PAS). ML 3.3
(GS).

PEC 0.77 224 iPd 42 37.91 -1.2
S 42 48.35
SSK 1.00 256 ePn 42 42.25 -0.9
iS 42 56.01
PLM 1.13 195 iPd 42 44.49 -0.9
iS 42 58.65
ISA 2.01 308 ePn 42 59.25 0.8
ABL 2.26 281 (P) 43 02.87 0.6
TPNV 2.50 5 eP 43 08.12 2.4
BCH 3.02 285 ePn 43 12.48 -0.5
TNP 3.67 351 (P) 43 24.38 2.1
BONR 3.78 338 (P) 43 26.83 2.8
ARUT 4.16 36 (P) 43 32.41 3.2
ARN 4.99 307 eP 43 40.96 0.1
11 obs. associated

& JUN 29, 1992 20h 44m 25.47s
34.659 N 116.701 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.9 (PAS), 3.8 (GS).

PEC 0.85 207 iPd 44 41.51 -1.0
SSK 0.93 242 iPd 44 43.11 -1.0
PLM 1.31 186 iPd 44 49.83 -0.9
ISA 1.76 305 ePn 44 55.79 -1.8
iS 45 23.81
ABL 2.08 276 ePn 45 00.31 -2.0

29d 20h

TPNV 2.31 9 ePn 45 02.08 -3.5
BCH 2.83 282 ePn 45 11.54 -1.4
PHAM 3.25 292 (P) 45 18.20 -0.5
TNP 3.44 353 ePn 45 20.30 -1.4
ARUT 4.09 39 ePn 45 29.23 -1.5
ARN 4.75 306 eP 45 37.65 -2.4
MSU 5.30 42 ePn 45 46.19 -1.9
12 obs. associated

• JUN 29, 1992 20h 46m 15.45± 0.55s
52.338 S ± 8.8km 139.604 E ±18.8km
DEPTH = 10.0km (geophysicist)
4.5mb (7 obs.)
WEST OF MACQUARIE ISLAND (701)

TOO 15.33 18 eP 49 53.00 -0.4
i 50 00.00
CAN 18.28 25 iPd 50 31.50 0.8
BWA 18.99 23 eP 50 39.30 -0.1
CSY 20.11 215 eP 50 52.50 0.8
0.8s 12.80nm 4.3mb
eS 56 24.70
STK 20.49 5 iPd 50 56.70 0.7
1.7s 4.00nm 3.5mb
ARMA 23.62 27 eP 51 28.00 0.6
0.8s 16.00nm 4.6mb
RMO 26.72 18 eP 51 56.00 -0.7
ASPA 28.96 349 eP 52 17.40 0.4
0.8s 6.60nm 4.5mb
WB2 32.59 351 iPd 52 48.20 -0.8
0.5s 7.30nm 4.9mb
WRA 32.59 351 P 52 48.50 -0.6
0.5s 2.70nm 4.4mb
SPA 37.85 180 iPd 53 33.10 -0.7
1.0s 9.50nm 4.5mb
IPM 65.45 317 ePd 57 08.00 7.4X
YKA 140.98 45 ePKP 05 55.40 9.3X
0.8s 0.80nm
KAF 144.19 312 iPKP 05 51.20 -0.5
NUR 144.52 309 iPKP 05 54.60 2.3X
KSP 145.52 291 ePKP 05 58.20 3.8X
KBA 145.53 283 iPKPc 05 58.90 4.2X
1.0s 8.10nm
i 06 05.80
PGF 145.80 273 ePKP 06 02.10 6.9X
0.8s 9.65nm
GEC2 146.15 286 PKP 05 55.90 0.3
0.9s 2.52nm
PRU 146.16 288 ePKP 06 00.00 4.6X
KHC 146.35 287 PKP 06 02.50 6.7X
e 06 19.00
BRG 146.88 290 e(PKP) 06 03.00 6.4X
SBF 147.48 274 ePKP 06 06.90 9.1X
0.9s 13.75nm
CLL 147.60 290 e(PKP) 06 10.00 12.3X
LMR 147.76 273 ePKP 06 07.80 9.6X
0.9s 5.90nm
FRF 147.80 273 ePKP 06 08.00 9.7X
0.7s 11.25nm
LRG 147.92 273 ePKP 06 08.40 10.0X
0.9s 6.20nm
GRF 147.98 286 ePKP 06 04.30 5.9X
LPG 148.74 276 ePKP 06 10.20 10.1X
0.8s 6.30nm
LPL 148.76 276 ePKP 06 10.20 10.1X
0.7s 4.20nm
HFS 149.74 306 ePKP 06 07.70 6.9X
1.1s 6.10nm
BSF 149.82 281 ePKP 06 12.00 10.6X
0.9s 6.70nm
HAU 150.16 281 ePKP 06 13.10 11.3X
0.9s 8.20nm
NB2 151.07 308 PKP 06 10.10 7.3X
1.0s 3.30nm
LBF 151.14 277 ePKP 06 15.60 12.2X
0.9s 8.70nm
LOR 151.34 278 ePKP 06 15.80 12.2X
0.7s 2.75nm
SSF 151.46 277 ePKP 06 16.30 12.5X
0.9s 5.55nm
S.D. = 0.7 on 13 of 37 obs.

JUN 29, 1992 21h 29m 34.59± 0.92s
44.766 N ± 6.8km 10.062 E ± 8.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.4 (LDG).

BOB 0.44 270 P 29 44.50 1.0
eSg 29 51.90
BDI 0.80 151 P 29 51.40 1.2
eSg 30 01.60
PII 1.10 162 P 29 54.80 -0.4
eSg 30 09.10
SBF 2.09 245 Pn 30 11.80 1.6
Sn 30 37.50
PGF 2.35 200 Pn 30 12.40 -1.5
Sn 30 39.50
LPL 2.47 289 Pn 30 15.10 -0.7
FRF 2.74 245 Pn 30 20.50 1.1
Sn 30 50.00
LMR 2.93 242 Pn 30 21.10 -1.0
LRG 2.97 245 Pn 30 21.20 -1.4
BSF 3.81 325 Pn 30 34.60 -0.1
Sn 31 19.20
CDF 4.12 333 Pn 30 39.20 0.2
Sn 31 25.70
HAU 4.13 323 Pn 30 38.80 -0.3
Sn 31 25.80
S.D. = 1.2 on 12 of 12 obs.

• JUN 29, 1992 21h 32m 40.70± 0.99s
21.476 S ± 8.5km 70.119 W ±12.3km
DEPTH = 96.4 ± 12.6 km
4.5mb (2 obs.)
NEAR COAST OF NORTHERN CHILE (122)

ANT 2.23 187 iPd 33 17.20 0.4
iS 33 33.50
CNCB 5.06 24 Pc 33 56.90 0.7
ARE 5.15 345 iP 33 53.00 -4.2X
iS 34 46.00
LPB 5.28 22 P 34 00.00 1.0
ZOBO 5.49 20 P 34 01.90 -0.3
eS 35 34.00
RTLL 9.92 172 e(P) 34 58.50 -3.7X
SIV 10.16 59 P 35 00.80 -4.6X
NNA 11.42 325 eP 35 20.50 -1.7
0.6s 7.33nm 4.7mb
eS 37 18.50
ITB1 14.82 105 Pd 36 12.00 5.5X
PPD 17.48 95 eP 36 39.10 -0.7
e 37 04.70
VAO 21.48 98 eP 37 22.50 -0.6
e 37 47.20
PDCR 30.90 78 eP 38 46.50 -3.9X
ITR 33.02 72 eP 39 08.20 -0.8
e 39 10.70
KIC 69.78 74 P 43 43.50 0.6
YKA 90.79 341 eP 45 35.20 1.5
0.8s 1.60nm 4.3mb
WRA 132.39 212 PKP 51 50.00 4.0X
0.7s 0.30nm
S.D. = 1.2 on 10 of 16 obs.

& JUN 29, 1992 21h 49m 37.76s
41.046 N 121.608 W
DEPTH = 16.2km
NORTHERN CALIFORNIA (36)
<GM-P>. MD 3.2 (GM).

LBFM 0.37 325 iPd 49 45.48 -0.2
LTCM 0.92 205 (P) 49 55.49 0.5
ORV 1.49 177 eP 50 02.68 -1.2
FHC 1.82 263 eP 50 10.42 1.8
eS 50 39.01
KVN 3.35 125 eP 50 31.37 0.7
BONR 4.01 139 (P) 50 43.76 3.7
VGB 4.51 7 (P) 50 47.61 0.7
7 obs. associated

& JUN 29, 1992 22h 52m 16.06s
34.161 N 118.168 W
DEPTH = 3.2km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.9 (PAS), 3.7 (GS).
Felt in the Pasadena area.

PAS 0.01 194 iPc 52 16.65 -0.2
MWC 0.11 56 iPd 52 18.54 0.1
GFP 0.12 255 iPd 52 18.51 0.0
S 52 20.53
TCC 0.21 142 eP 52 20.38 0.1
DHB 0.23 232 iPd 52 21.18 0.5
S 52 24.79
SCY 0.24 257 iPd 52 20.64 -0.3
PEM 0.25 88 iPc 52 20.96 -0.1
LCL 0.33 184 eP 52 23.45 0.8
S 52 29.35
FLAS 0.33 151 eP 52 23.15 0.5
S 52 27.88
PCF 0.33 109 iPc 52 22.36 -0.3
TPRS 0.35 258 eP 52 22.75 -0.4
TWL 0.37 288 eP 52 23.02 -0.5
S 52 29.87
SSK 0.40 83 iPc 52 23.77 -0.3
PVPS 0.42 208 eP 52 24.15 -0.3
PVRC 0.44 202 eP 52 24.50 -0.4
FMA 0.46 192 eP 52 24.89 -0.3
VPD 0.48 135 eP 52 25.38 -0.3
BLG 0.75 266 eP 52 29.29 -1.7
CIW 0.76 205 eP 52 30.17 -1.2
S 52 41.70
CIS 0.78 195 iPc 52 31.13 -0.5
PEC 0.88 108 iPc 52 31.69 -1.9
eS 52 44.51
ABL 1.11 309 iPc 52 36.35 -1.3
PLM 1.35 126 iPc 52 39.78 -2.1
ISA 1.52 351 ePn 52 43.25 -1.0
iS 53 03.63
BCH 1.88 303 eP 52 48.63 -0.8
eS 53 16.05
PKEM 2.48 321 (P) 53 00.74 2.8
PHAM 2.48 313 ePn 52 56.32 -1.7
TPNV 3.19 29 ePn 53 07.93 -0.3
TNP 3.99 11 ePn 53 20.29 0.7
ARN 4.20 320 eP 53 21.13 -1.2
ARUT 5.27 45 eP 53 37.95 0.1
ORV 6.01 335 eP 53 47.54 -0.5
MSU 6.50 46 eP 53 54.87 -0.3
33 obs. associated

& JUN 29, 1992 23h 13m 28.19s
34.303 N 116.443 W
DEPTH = 2.7km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.1 (PAS). ML 3.0 (GS).

PEC 0.72 236 iPc 13 41.71 -0.9
PLM 1.01 200 ePnd 13 46.89 -1.2
SSK 1.04 265 iPc 13 47.45 -1.2
iS 14 02.68
GLA 1.84 132 ePn 13 58.56 -2.4
ISA 2.15 310 ePn 14 03.64 -1.9
ABL 2.36 284 ePn 14 06.63 -2.0
iS 14 44.95
TPNV 2.64 3 ePn 14 14.31 1.6
BCH 3.12 287 ePn 14 17.00 -2.4
TNP 3.82 351 ePn 14 25.24 -4.3
BONR 3.94 338 (P) 14 30.39 -0.9
10 obs. associated

JUN 29, 1992 23h 14m 14.98± 0.67s
47.136 N ± 6.7km 9.435 E ± 6.1km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.4 (LDG), 2.3 (VIE), 2.1 (FUR).

LLS 0.40 228 ePd 14 23.20 -0.1
OSS 0.66 132 iPc 14 26.40 -1.9
ZLA 0.79 296 iP 14 32.40 2.0
SLE 0.90 315 iPd 14 32.10 -0.1
TMA 1.10 201 ePc 14 36.10 0.3
FEL 1.22 308 ePn 14 37.75 0.1
MMK 1.48 224 ePc 14 43.10 1.2
WTTA 1.51 84 iPgd 14 43.80 1.6
iSg 15 03.40
FUR 1.62 50 iPgd 14 43.90 0.3
iSg 15 05.10
BSF 1.92 292 Pn 14 47.10 -1.1
Pg 14 51.50
Sn 15 12.90
Sg 15 17.60
CDF 1.94 312 Pn 14 46.90 -1.4
Pg 14 51.40
Sg 15 16.70
HAU 2.26 294 Pn 14 52.20 -0.8
Pg 14 59.00
Sg 15 28.00
LPL 2.48 230 Pg 15 02.10 5.9X

LPG 2.48 230 Pg 15 02.10 5.8X
Sg 15 35.10
KBA 2.67 90 iPgc 15 03.50 4.5X
i 15 04.10
iSg 15 36.90
S.D. = 1.3 on 12 of 15 obs.

JUN 29, 1992 23h 44m 05.78± 0.69s
34.244 N ± 6.6km 116.316 W ± 6.2km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.3 (GS). Multiple event.

PEC 0.78 244 iPd 44 20.89 -0.6
PLM 1.00 207 iPd 44 24.99 -0.3
SSK 1.14 269 eP 44 28.34 0.6
GLA 1.72 133 ePn 44 37.12 0.6
ISA 2.27 309 ePn 44 44.52 0.0
iPg 44 49.72
ABL 2.47 285 eP 44 46.77 -0.8
BCH 3.24 288 eP 44 59.50 1.1
ARUT 4.24 33 eP 45 12.03 -0.5
ARN 5.25 308 eP 45 27.06 0.2
S.D. = 0.7 on 9 of 9 obs.

? JUN 29, 1992 23h 45m 32.76±13.21s
43.534 N ±76.1km 5.718 E ±79.2km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)

CDR 0.15 14 ePg 45 34.30 -1.9
STV 1.36 58 P 45 57.83 0.0
S 46 19.98
PZZ 1.39 45 P 45 59.27 0.9
S 46 21.01
ENR 1.41 60 P 45 58.55 0.0
S 46 20.49
RRL 1.58 29 P 46 03.17 2.0X
IMI 1.62 76 P 46 01.01 -0.5
FIN 1.92 69 P 46 05.32 -0.6
RSP 1.96 34 P 46 07.15 0.7
LSD 2.18 28 P 46 11.88 2.1X
PCP 2.27 63 P 46 10.24 -0.8
S.D. = 1.0 on 8 of 10 obs.

JUN 29, 1992 23h 47m 41.43± 0.82s
59.503 N ± 6.8km 5.658 E ± 8.3km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
ML 1.4 (NAO). MD 1.8 (BER).

KMY 0.36 216 iPc 47 48.73 -0.1
eS 47 53.25
ODD1 0.64 50 iPc 47 53.87 -0.4
eS 48 01.81
EGD 0.80 344 eP 47 56.80 -0.1
eSg 48 07.30
ASK 1.01 347 eP 48 00.20 -0.3
eSg 48 13.60
SUE 1.62 344 eP 48 10.70 0.6
eSg 48 32.20
NRA0 3.19 65 Pn 48 32.99 0.4
Pg 48 41.31
Sn 49 09.61
Lg 49 20.76
S.D. = 0.5 on 6 of 6 obs.

? JUN 30, 1992 00h 03m 59.55± 8.29s
9.271 N ±27.0km 82.768 W ±76.0km
DEPTH = 33.0km (normal)
PANAMA-COSTA RICA BORDER REGION (80)

ACR 0.73 213 iPd 04 13.43 0.0
BUS 1.02 286 eP 04 17.04 -0.9
eS 04 31.21
LCR2 1.30 291 eP 04 21.78 0.0
eS 04 38.88
QCR 1.39 277 eP 04 23.20 0.4
SJS 1.43 298 eP 04 23.86 0.3
JCR 2.39 284 eP 04 37.41 0.2
S.D. = 0.6 on 6 of 6 obs.

& JUN 30, 1992 00h 06m 08.53s
34.127 N 116.397 W
DEPTH = 2.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.3 (PAS), 4.0 (GS).

PEC 0.68 250 iPc 06 21.17 -0.9
PLM 0.86 207 iPd 06 24.79 -1.1
SSK 1.08 275 iPc 06 28.65 -1.0
ISA 2.29 313 ePnd 06 45.59 -2.4
eS 07 20.39
ABL 2.44 288 ePn 06 48.28 -2.0
TPNV 2.82 2 ePn 06 54.63 -0.9
BCH 3.22 290 ePn 06 59.31 -1.8
eS 07 59.54
PKEM 3.60 303 eP 07 05.38 -1.1
PHAM 3.70 299 ePn 07 05.76 -2.2
TNP 4.00 351 eP 07 10.90 -1.5
BONR 4.12 339 eP 07 12.98 -1.1
ARUT 4.37 32 eP 07 15.81 -1.8
KVN 5.10 345 eP 07 25.72 -2.2
ARN 5.27 309 eP 07 27.72 -2.5
MSU 5.55 37 ePn 07 33.21 -1.1
DUG 6.70 24 (P) 07 48.13 -2.3
SRU 6.86 42 (P) 07 56.47 3.8
EMUT 7.22 37 (P) 07 58.11 0.2
ALQ 8.24 82 eP 08 11.67 -0.5
19 obs. associated

? JUN 30, 1992 00h 19m 42.87± 3.28s
34.083 N ±11.7km 116.369 W ±24.3km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.2 (GS). MD 3.1 (PAS).

PEC 0.68 254 iPc 19 56.61 0.0
eS 20 05.40
PLM 0.84 210 ePn 19 59.63 0.0
SSK 1.11 277 ePnc 20 04.14 -0.1
S 20 20.18
ISA 2.34 313 iPg 20 27.48 4.8X
ABL 2.48 289 ePn 20 24.67 -0.1
BCH 3.25 291 ePn 20 35.81 0.1
eS 21 27.73
S.D. = 0.1 on 5 of 6 obs.

JUN 30, 1992 00h 23m 54.58± 0.72s
34.230 N ± 6.3km 116.508 W ± 6.4km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.6 (GS). MD 3.3 (PAS).

PLM 0.92 199 iPd 24 12.88 0.1
ISA 2.16 312 ePn 24 32.04 0.3
eP* 24 33.87
iPg 24 36.88
ABL 2.32 286 ePn 24 34.68 0.4
TPNV 2.72 4 eP 24 40.71 0.8
BCH 3.10 289 ePn 24 45.32 0.2
PHAM 3.57 298 ePn 24 51.09 -0.7
TNP 3.89 352 ePn 24 56.50 0.0
BONR 3.99 339 (P) 25 00.64 2.6X
ARUT 4.33 34 eP 25 02.39 -0.4
ARN 5.13 309 ePn 25 13.48 -0.5
MSU 5.52 38 (Pn) 25 19.60 -0.1
S.D. = 0.5 on 10 of 11 obs.

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* JUN 30, 1992 00h 29m 49.15± 1.37s
6.579 S ±17.3km 147.641 E ±14.4km
DEPTH = 54.8 ± 14.4 km
4.5mb (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.22 100 eP 29 58.20 0.0
LAT 0.64 263 iPd 30 02.30 -0.2
YYYY 1.70 281 eP 30 17.80 0.8
PMG 2.85 190 eP 30 36.00 2.8X
MNDI 3.98 276 eP 30 49.40 0.0
WWKK 4.96 306 eP 31 02.50 -0.6
WB2 18.52 223 iPd 34 02.70 -0.9
0.2s 6.90nm 4.5mb
ASPA 21.52 216 eP 34 36.30 0.7
0.3s 7.40nm 4.5mb
S.D. = 0.9 on 7 of 8 obs.

JUN 30, 1992 00h 40m 03.78± 0.72s
34.181 N ± 6.1km 116.812 W ± 7.8km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 2.6 (GS). MD 2.8 (PAS).

PEC 0.41 225 iPc 40 12.14 0.1
eS 40 19.14
PLM 0.83 183 ePn 40 19.82 -0.6
GLA 2.00 124 ePn 40 39.18 0.5
eS 41 07.93
ISA 2.01 318 eP 40 38.83 0.0
ABL 2.10 289 eP 40 40.54 0.3
TPNV 2.80 9 (P) 40 49.90 -0.3
S.D. = 0.5 on 6 of 6 obs.

JUN 30, 1992 00h 49m 43.62± 0.57s
33.971 N ± 6.2km 116.286 W ± 4.6km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.6 (GS). MD 3.6 (PAS).

PEC 0.73 264 iPc 49 59.42 1.2
PLM 0.78 218 iPd 49 59.42 0.0
SSK 1.19 282 eP 50 07.35 0.9
iS 50 25.27
GLA 1.53 127 iP 50 10.75 -0.9
ISA 2.47 314 eP 50 24.32 -0.9
ABL 2.58 291 ePn 50 25.91 -1.0
TPNV 2.97 1 (P) 50 31.84 -0.6
BCH 3.36 292 ePn 50 37.03 -0.9
PHAM 3.86 300 eP 50 44.90 -0.1
TNP 4.17 350 ePn 50 48.89 -0.6
ARUT 4.45 30 eP 50 54.89 1.4
ARN 5.44 310 eP 51 08.14 0.7
MSU 5.62 35 ePn 51 10.54 0.4
ALQ 8.18 80 eP 51 46.39 0.4
0.8s 1.28nm 4.2mb X
S.D. = 0.9 on 14 of 14 obs.

& JUN 30, 1992 01h 25m 49.30s
35.261 N 96.421 W
DEPTH = 5.0km (geophysicist)
OKLAHOMA (499)
<TUL>. MD 2.7 (TUL). Felt (II)
in Seminole County.

SIO 0.49 11 Pg 25 58.25 -0.9
VVO 0.56 82 Pg 25 59.53 -1.1
FNO 0.80 270 Pg 26 01.00 -4.3
Sg 26 11.50
TUL 0.83 38 Pg 26 03.85 -1.9
Sg 26 15.85
LNO 0.83 38 Pg 26 03.60 -2.2
Sg 26 15.60
OCO 0.90 287 Pg 26 04.00 -3.0
Sg 26 16.50
PCO 1.50 342 Pn 26 13.80 -3.1
Sg 26 16.50
7 obs. associated

% JUN 30, 1992 02h 03m 34.09± 0.75s
40.694 N ±17.7km 15.162 E ±21.7km
DEPTH = 10.0km (geophysicist)
SOUTHERN ITALY (390)

SGO 0.18 140 P 03 36.50 -1.5
eSg 03 43.30
MGR 0.63 151 P 03 47.40 0.6
eSg 03 58.00
DUI 1.10 331 P 03 55.20 0.4
eSn 04 10.00
ORI 1.17 122 P 03 55.60 -0.3
CSI 1.26 136 P 03 57.40 -0.1
TDS 1.37 139 P 04 00.10 0.9
SDI 1.43 315 P 03 59.60 -0.6
ROI 1.56 136 P 04 02.40 0.5
S.D. = 0.9 on 8 of 8 obs.

& JUN 30, 1992 02h 32m 12.22s
35.165 N 117.352 W
DEPTH = 4.9km
CENTRAL CALIFORNIA (39)
<PAS-P>. ML 3.3 (GS).

SSK 0.99 197 iPd 32 30.46 -1.2
ISA 1.04 299 ePnc 32 31.02 -1.4
ABL 1.57 259 ePn 32 39.53 -1.4
PLM 1.85 167 iP 32 45.76 0.7
TPNV 1.99 26 ePnd 32 46.06 -1.0
BCH 2.24 271 ePn 32 48.60 -2.0
eS 33 24.12
PKEM 2.42 293 ePn 32 52.13 -1.0
PHAM 2.57 286 ePn 32 53.97 -1.3
BONR 2.89 345 (P) 32 59.36 -0.7

30d 02h

TNP 2.91 2 ePn 32 58.80 -1.5
S 33 45.37
ARN 4.02 304 ePn 33 15.04 -0.8
ARUT 4.10 49 ePn 33 17.98 0.9
SRU 6.73 52 (P) 33 56.36 2.1
13 obs. associated

? JUN 30, 1992 02h 32m 13.97± 0.95s
6.984 N ±12.1km 72.757 W ±25.9km
DEPTH = 148.9 ± 10.3 km
4.1mb (2 obs.)
NORTHERN COLOMBIA (99)

BMG 0.33 285 iPc 32 36.00 0.0
ZOBO 23.57 169 P 37 13.20 0.3
i 37 44.90
LPB 23.82 169 P 37 16.00 1.0
CNCB 24.11 169 P 37 16.80 -1.2
ULM 47.26 340 eP 40 35.00 1.2
YKA 63.24 340 eP 42 26.80 -1.6
0.5s 2.70nm 4.4mb
LIC 67.23 86 P 42 54.70 -0.1
KIC 67.50 86 P 42 56.60 0.1
MBC 73.71 350 eP 43 33.00 0.3
1.0s 2.00nm 3.8mb
ASPA 149.50 234 ePKP 51 45.40 2.3X
0.7s 9.60nm
WB2 150.72 241 iPKPd 51 48.40 3.4X
0.3s 19.70nm
iPcP 52 29.30
S.D. = 1.1 on 9 of 11 obs.

? JUN 30, 1992 02h 34m 11.06± 5.53s
31.870 S ±27.4km 72.014 W ±42.0km
DEPTH = 33.0km (normal)
OFF COAST OF CENTRAL CHILE (134)

PEL 1.70 139 iPc 34 38.60 -0.2
iS 35 01.10
SAN 1.95 145 iP 34 43.30 0.8
iS 35 09.20
TACH 2.00 153 iPd 34 43.30 0.1
(S) 35 08.20
FCH 2.06 135 iPc 34 43.70 -0.6
LNV 2.14 166 iPd 34 44.70 -0.4
iS 35 15.60
PCH 2.16 144 iPd 34 45.10 -0.4
iS 35 14.80
CHCH 2.35 151 iPc 34 48.30 0.0
iS 35 18.50
CACH 2.54 152 iPc 34 51.50 0.6
ZON 2.86 84 eP 34 55.50 0.1
eS 35 27.50
S.D. = 0.5 on 9 of 9 obs.

? JUN 30, 1992 03h 07m 39.25± 8.51s
19.501 N ±65.1km 66.395 W ±15.2km
DEPTH = 10.0km (geophysicist)
PUERTO RICO REGION (90)

LRS 1.27 200 iP 08 02.90 0.0
S 08 14.80
LPR 1.29 157 iP 08 03.20 0.1
S 08 16.00
SJG 1.40 170 iP 08 10.00 5.1X
CLLP 1.42 187 iP 08 05.40 0.3
S 08 19.70
PORP 1.46 189 iP 08 05.30 -0.3
CPD 1.52 163 iP 08 06.50 -0.1
MGP 1.62 204 iP 08 08.10 0.1
S.D. = 0.3 on 6 of 7 obs.

& JUN 30, 1992 03h 12m 04.06s
63.097 N 150.969 W
DEPTH = 132.9km
CENTRAL ALASKA (1)
<AEIC>.

HUR 0.62 101 iP 12 24.02 -0.4
eS 12 39.60
CUT 0.77 155 iP 12 25.09 -0.4
RND 1.01 71 eP 12 27.30 -0.4
eS 12 45.27
MCK 1.12 54 eP 12 28.49 -0.2
eS 12 46.52
SKT 1.15 193 iP 12 28.37 -0.6
eS 12 47.17
PWA 1.54 160 P 12 32.70 -0.4
GHO 1.63 144 iP 12 33.53 -0.8
eS 12 56.79
SUA 1.64 176 eP 12 34.23 -0.2
eS 12 57.64
NEA 1.71 29 eP 12 34.33 -0.7
S 12 56.93
SML 1.78 135 iP 12 34.82 -1.2
eS 12 59.57
NCG 1.79 199 eP 12 34.83 -1.3
CGLM 1.86 196 eP 12 36.56 -0.5
eS 13 00.55
WRH 1.88 42 eP 12 36.53 -0.6
CRP 1.92 197 P 12 36.90 -0.9
MLY 1.94 3 iP 12 37.43 -0.6
BGL 1.96 201 eP 12 38.14 -0.1
PMS 1.97 160 P 12 37.20 -1.1
SPU 1.99 195 eP 12 37.46 -1.1
S 13 03.01
CKL 2.01 199 eP 12 37.96 -0.9
KNK 2.06 144 eP 12 38.00 -1.4
SCM 2.11 125 eP 12 38.68 -1.4
BKG 2.12 197 eP 12 39.25 -1.0
HDA 2.22 52 eP 12 40.49 -0.8
FBA 2.29 36 P 12 41.50 -0.7
TTA 2.31 268 P 12 41.90 -0.6
DDM 2.40 71 eP 12 42.52 -1.1
TOA 2.43 112 P 12 43.20 -0.9
GLM 2.47 38 iP 12 43.87 -0.6
PAX 2.51 90 iP 12 44.46 -0.7
DJE 2.54 66 eP 12 45.02 -0.4
SDG 2.56 101 eP 12 45.13 -0.5
SLKM 2.62 172 eP 12 45.29 -1.2
DFR 2.64 199 eP 12 45.80 -1.0
REF 2.74 198 eP 12 47.37 -0.9
RS2 2.78 199 eP 12 47.56 -1.1
RSO 2.78 199 eP 12 48.13 -0.5
RS1 2.78 199 eP 12 48.72 0.0
RED 2.82 198 eP 12 48.54 -0.6
KLU 2.86 122 eP 12 47.62 -1.9
VLZ 2.94 130 eP 12 48.28 -2.2
SVW 2.96 230 P 12 49.50 -1.4
NNL 3.07 183 eP 12 52.74 0.4
SEW 3.09 166 eP 12 50.95 -1.6
DOT 3.16 77 iP 12 52.03 -1.5
INE 3.21 199 eP 12 53.67 -0.6
INW 3.21 200 eP 12 53.46 -0.8
IVS 3.26 199 P 12 55.50 0.4
PRP 3.40 42 eP 12 55.66 -1.1
HIN 3.44 140 eP 12 55.03 -2.2
CVA 3.56 134 eP 12 56.89 -1.9
CNPM 3.59 182 eP 12 57.77 -1.4
TMW 3.62 83 eP 12 57.76 -1.8
GLB 3.74 113 eP 12 59.51 -1.7
AUL 3.91 199 eP 13 03.12 -0.4
AUP 3.93 199 eP 13 03.54 -0.3
55 obs. associated

? JUN 30, 1992 03h 13m 27.49± 1.55s
31.640 S ±42.6km 69.449 W ±22.7km
DEPTH = 120.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTBS 0.02 190 iPd 13 44.20 0.0
RTCB 0.57 75 eP 13 46.40 0.1
RTCV 0.81 106 eP 13 48.10 0.0
RTLL 0.89 70 ePd 13 48.80 0.0
S 14 04.00
CFA 1.03 88 ePd 13 50.10 -0.1
S 14 06.70
S.D. = 0.1 on 5 of 5 obs.

? JUN 30, 1992 03h 17m 34.97± 2.96s
34.547 S ±32.8km 70.997 W ±18.2km
DEPTH = 90.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)

CACH 0.54 38 iPc 17 50.50 0.1
iS 18 00.60
CHCH 0.68 25 iPd 17 51.30 -0.2
iS 18 02.90
LNV 0.68 330 iPd 17 51.60 0.1
iS 18 03.00
TACH 0.89 3 iPd 17 53.60 -0.2
iS 18 06.60
PCH 1.01 24 iPc 17 55.10 0.0
iS 18 09.00
FCH 1.35 26 iPd 17 59.80 0.2
iS 18 17.80
PEL 1.42 11 eP 18 00.20 0.0
iS 18 18.50
S.D. = 0.2 on 7 of 7 obs.

JUN 30, 1992 03h 43m 07.51± 0.45s
35.119 N ± 4.7km 30.526 E ± 4.5km
DEPTH = 52.1 ± 7.1 km
4.1mb (9 obs.)
EASTERN MEDITERRANEAN SEA (371)
MD 4.0 (HLW).

PPCY 1.51 98 eP 43 33.60 1.0
eS 43 53.00
CSS 2.31 93 ePc 43 44.40 0.6
eS 44 10.80
FAM 2.85 91 eP 43 56.30 4.7X
eS 44 31.50
KHL 3.30 346 iPn 43 57.50 -0.5
ALT 3.94 355 iPn 44 06.00 -1.1
NPS 4.03 273 iPd 44 09.50 1.3
eS 44 53.00
BHL 4.40 105 Pn 44 10.00 -3.5X
Sn 44 58.00
BRNI 4.42 122 eP 44 12.90 -0.7
DST 4.73 342 ePn 44 18.70 0.6
MML 4.87 122 eP 44 19.10 -1.0
SHMJ 4.97 117 P 44 41.79 20.4X
BBTK 5.04 20 eP 44 23.00 0.5
i 45 00.00
JVI 5.13 127 iPd 44 23.30 -0.5
KOT 5.29 168 ePn 44 25.50 -0.4
eSn 45 19.00
SALJ 5.31 124 P 44 38.21 11.9X
JARJ 5.35 121 P 44 27.99 1.0
EYL 5.45 357 ePn 44 26.70 -1.5
MASJ 5.50 126 P 44 31.10 2.1
MDSJ 5.92 124 P 44 36.75 1.9
SAGI 6.00 143 eP 44 35.40 -0.6
eS 45 39.80
VLI 6.36 287 eP 44 40.00 -1.0
eS 45 08.60
HQL 6.98 145 ePd 44 48.30 -1.3
eS 46 58.00
AYN 7.77 142 ePd 44 59.60 -1.0
eS 46 22.60
WAJH 10.32 148 Pd 45 34.60 -1.0
eS 47 20.00
VRI 11.12 346 ePc 45 56.00 9.5X
ROI 11.96 296 P 45 57.40 -0.5
SOI 12.00 288 P 45 58.00 -0.3
CSI 12.23 297 P 46 06.40 5.0X
ATN 12.47 288 P 46 01.80 -2.8X
MEU 12.77 283 P 46 04.80 -3.8X
OJC 17.00 336 eP 47 05.60 2.6X
KHC 18.76 323 P 47 25.20 0.5
e 47 43.80
PRU 18.90 327 eP 47 27.00 0.6
e 47 43.30
BRG 19.80 328 e(P) 47 37.00 0.8
GRF 20.29 322 eP 47 42.50 1.1
CLL 20.53 327 e(P) 47 45.00 1.3
MOX 20.71 324 iPc 47 49.60 4.0X
0.9s 16.00nm 4.3mb
e 47 52.40
LPG 20.81 307 eP 47 47.80 0.7
0.7s 6.70nm 4.1mb
LPL 20.83 307 eP 47 47.80 0.6
0.6s 6.75nm 4.2mb
SMF 23.12 308 eP 48 08.80 -0.8
0.9s 5.55nm 4.0mb
SSF 23.48 309 eP 48 12.50 -0.6
0.9s 5.55nm 4.0mb
AVF 23.48 308 eP 48 13.10 0.0
CAF 23.79 303 eP 48 17.00 0.8
1.0s 6.00nm 4.1mb
RJF 24.26 304 eP 48 19.70 -1.0
1.0s 5.00nm 4.0mb
MFF 25.72 306 eP 48 33.10 -1.4
0.8s 7.00nm 4.2mb
NB2 28.74 340 P 49 00.30 -1.6
0.7s 0.70nm 3.4mb
KIC 43.26 237 P 51 07.10 1.5
GKN 46.18 83 P 51 29.40 0.3
DMN 46.72 83 P 51 33.00 -0.5
KKN 46.79 83 P 51 33.80 -0.2

```
PKI     46.98  83 P       51 35.10  -0.6
GUN     47.23  83 P       51 34.00  -3.6X
WRA    112.23  99 PKP     01 50.20  10.8X
        0.6s     0.30nm
     S.D = 1.0  on  41 of  53 obs.
-------------------------------------
   JUN 30, 1992 04h 08m 47.02± 0.71s
   34.216 N ± 5.5km  116.617 W ± 6.9km
   DEPTH =   5.0km  (geophysicist)
 SOUTHERN CALIFORNIA              ( 43)
      ML 3.3 (GS). MD 3.2 (PAS).

PEC      0.56 235 eP      08 57.73  -0.4
PLM      0.88 193 iPd     09 05.21   0.6
SSK      0.89 270 eP      09 03.56  -1.2
GLA      1.89 127 ePn     09 20.27   0.0
ISA      2.10 314 ePn     09 23.23  -0.1
ABL      2.24 287 ePn     09 25.26  -0.3
TPNV     2.74   6 ePn     09 31.87  -0.8
BCH      3.02 290 ePn     09 36.02  -0.4
PHAM     3.50 299 ePn     09 44.05   0.8
TNP      3.89 353 ePn     09 48.08  -0.9
BONR     3.97 340 ePn     09 50.97   0.8
ARN      5.07 309 (P)     10 07.57   2.0
     S.D. = 1.0  on  12 of  12 obs.
-------------------------------------
& JUN 30, 1992 04h 28m 06.42s
   34.997 N            116.951 W
   DEPTH =   0.0km
 SOUTHERN CALIFORNIA              ( 43)
     <PAS-P>. ML 3.6 (PAS), 3.5 (GS).

SSK      0.99 218 ePd     28 24.84  -1.5
                  iS      28 38.68
ISA      1.41 299 ePnc    28 32.16  -1.2
                  S       28 52.75
ABL      1.87 266 ePn     28 38.53  -1.7
TPNV     2.03  16 ePn     28 41.44  -1.0
                  eS      29 13.00
BCH      2.58 275 ePn     28 48.46  -1.8
GLA      2.62 137 ePn     28 48.15  -2.7
PKEM     2.79 293 eP      28 51.95  -1.2
PHAM     2.94 288 eP      28 54.17  -1.1
TNP      3.09 356 ePn     28 56.28  -1.3
BONR     3.15 340 ePn     28 58.49   0.0
ARUT     3.97  44 ePn     29 08.68  -1.4
ARN      4.39 304 ePn     29 14.38  -1.5
MSU      5.20  46 eP      29 27.63   0.0
      13 obs. associated
-------------------------------------
* JUN 30, 1992 04h 49m 54.37± 0.66s
   47.911 N ±10.7km  152.811 E ±12.7km
   DEPTH =  33.0km  (normal)
   4.4mb ( 20 obs.)
 KURIL ISLANDS                    (221)

KUSJ     7.45 233 P       51 46.10   2.7
                  S       53 02.90
ASAJ     8.03 246 P       52 00.00   8.5X
HOOJ     8.71 234 P       52 04.30   3.4X
                  S       53 34.10
MRRJ     9.94 241 eP      52 21.00   3.2X
                  eS      54 05.30
OFUJ    11.96 227 eP      52 44.40  -1.0
                  eS      54 46.90
NIIJ    14.71 229 P       53 21.50  -0.3
MAT     15.65 229 (P)     53 27.00  -7.0X
                  eS      53 35.00
CHJJ    15.66 226 eP      53 34.90   0.9
MTMJ    15.83 230 eP      53 37.70   1.4
MDJ     16.38 267 eP      53 45.00   1.8
        0.8s    15.00nm          4.2mb
TSRJ    17.58 231 P       53 59.30   1.0
CN2     19.45 268 eP      54 19.00  -1.9
        1.0s     8.60nm          4.0mb
HHC     30.03 272 eP      56 02.00  -0.3
        1.0s     5.90nm          4.3mb
LZH     37.66 270 eP      57 08.00  -0.2
        1.2s    27.00nm          5.0mb
GYA     41.78 256 P       57 41.40  -0.9
KMI     45.27 258 Pc      58 10.00  -0.7
        1.2s    40.00nm          5.2mb
YKA     50.12  37 eP      58 50.00   2.1
        0.6s     2.90nm          4.5mb
PNT     54.68  53 eP      59 24.00   1.8
        0.6s     5.00nm          4.7mb
NB2     67.06 341 P       00 44.90  -1.1
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        0.6s     0.80nm          4.0mb
HFS     67.30 339 eP      00 45.30  -2.2
        0.4s     1.30nm          4.4mb
WB2     69.54 199 eP      00 59.70  -2.1
        1.0s     1.60nm          4.0mb
WRA     69.55 199 P       01 00.00  -1.8
        0.7s     0.60nm          3.8mb
ASPA    73.25 198 eP      01 23.20  -0.7
        0.9s     4.90nm          4.5mb
LOR     81.42 339 eP      02 08.70  -0.3
        0.7s     3.00nm          4.4mb
LBF     81.66 339 eP      02 09.90  -0.4
SSF     81.70 339 eP      02 10.30  -0.1
        0.6s     1.80nm          4.3mb
AVF     81.99 339 eP      02 12.00   0.1
        0.6s     2.70nm          4.5mb
SMF     82.01 339 eP      02 12.10   0.0
        0.7s     2.45nm          4.3mb
BGF     82.33 340 eP      02 14.30   0.6
        0.4s     1.55nm          4.4mb
LPG     82.34 337 eP      02 14.80   0.6
        0.6s     2.00nm          4.3mb
MAF     82.71 340 eP      02 16.30   0.6
        0.5s     3.45nm          4.7mb
LSF     82.92 340 eP      02 17.50   0.7
        0.6s     3.80nm          4.7mb
     S.D. = 1.3  on  28 of  32 obs.
-------------------------------------
? JUN 30, 1992 05h 07m 46.84± 3.55s
   39.065 N ±14.2km   26.181 E ±31.0km
   DEPTH =   5.0km  (geophysicist)
 TURKEY                           (366)

EZN      0.77   8 iPg     08 02.40   0.2
                  eSg     08 14.00
IZM      1.08 128 iPn     08 07.50  -0.1
BNT      1.86  46 iPn     08 19.20  -0.4
DST      1.97  73 iPn     08 22.00   0.7
YLV      2.88  58 ePn     08 34.00  -0.3
VAY      3.57 310 ePn     08 53.60   9.6X
     S.D. = 0.6  on   5 of   6 obs.
-------------------------------------
* JUN 30, 1992 05h 12m 06.14± 2.20s
   61.953 N ±14.1km    4.947 E ±18.6km
   DEPTH =  10.0km  (geophysicist)
 SOUTHERN NORWAY                  (535)
      MD 2.4 (BER). ML 1.9 (NAO).

SUE      0.90 186 eP      12 24.03   0.6
                  eS      12 36.85
HYA      0.99 143 eP      12 25.76   0.9
                  eSg     12 39.62
MOL      1.37  62 iPc     12 31.73   0.6
                  eSg     12 50.23
ASK      1.48 175 eP      12 32.90   0.1
                  eS      12 53.10
EGD      1.69 175 eP      12 35.80   0.0
                  eSg     13 00.62
ODD1     2.21 157 iPc     12 43.37   0.0
                  eS      13 09.60
KMY      2.75 177 eP      12 50.06  -1.1
                  eS      13 21.28
NRA0     3.40 108 Pn      12 59.19  -1.1
                  Sn      13 39.04
                  Lg      13 51.99
HFS      4.63 109 eP      13 14.50  -3.2X
        0.3s     0.40nm
     S.D. = 0.9  on   8 of   9 obs.
-------------------------------------
& JUN 30, 1992 05h 18m 38.88s
   34.274 N            116.791 W
   DEPTH =   1.7km
 SOUTHERN CALIFORNIA              ( 43)
     <PAS-P>. ML 3.7 (PAS), 3.5 (GS).

PEC      0.49 219 iPd     18 48.21  -0.4
SSK      0.75 265 iPc     18 53.10  -0.8
PLM      0.92 184 iPd     18 56.08  -1.3
ISA      1.96 316 ePnd    19 12.34  -1.2
                  eS      19 39.40
ABL      2.09 287 ePnc    19 13.68  -1.9
                  eS      19 45.25
TPNV     2.71   9 ePn     19 23.28  -1.1
                  S       20 07.11
BCH      2.86 289 ePn     19 24.53  -2.0
PHAM     3.34 299 ePn     19 31.58  -1.7
TNP      3.82 355 ePn     19 38.55  -1.7
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BONR     3.87 342 ePn     19 39.95  -1.1
ARUT     4.43  37 iPnd    19 47.31  -1.6
KVN      4.88 348 (P)     19 54.10  -1.2
ARN      4.93 310 ePn     19 53.09  -2.7
MSU      5.64  40 ePn     20 03.31  -2.7
SRU      6.97  44 (P)     20 23.06  -1.7
      15 obs. associated
-------------------------------------
& JUN 30, 1992 05h 33m 48.00s
   34.221 N            116.746 W
   DEPTH =   1.7km
 SOUTHERN CALIFORNIA              ( 43)
     <PAS-P>. ML 3.7 (PAS), 3.5 (GS).

PEC      0.48 226 iPd     33 57.08  -0.4
SSK      0.78 270 iPc     34 02.79  -0.9
PLM      0.87 186 iPd     34 04.40  -1.2
ISA      2.02 316 ePn     34 22.09  -1.5
ABL      2.14 288 ePn     34 23.79  -1.6
TPNV     2.75   8 ePn     34 34.24   0.1
BCH      2.91 290 eP      34 34.42  -2.0
PHAM     3.40 299 eP      34 42.35  -0.9
TNP      3.87 354 ePn     34 48.43  -1.7
BONR     3.93 342 ePn     34 50.45  -0.6
ARUT     4.46  36 eP      34 56.40  -1.9
ARN      4.99 310 eP      35 04.76  -1.0
MSU      5.65  39 (P)     35 14.96  -0.4
SRU      6.99  44 ePn     35 33.39  -0.7
      14 obs. associated
-------------------------------------
   JUN 30, 1992 05h 39m 14.63± 0.88s
   35.513 N ± 7.2km  117.426 W ± 8.3km
   DEPTH =   5.0km  (geophysicist)
 CENTRAL CALIFORNIA               ( 39)
      ML 3.0 (GS). MD 3.1 (PAS).

ISA      0.87 280 ePn     39 30.99  -0.8
SSK      1.32 190 ePn     39 39.63   0.0
TPNV     1.72  33 ePn     39 45.68   0.1
BCH      2.20 262 ePn     39 51.57  -0.9
PKEM     2.25 285 eP      39 53.96   0.9
PHAM     2.44 278 (P)     39 56.84   1.0
BONR     2.54 344 eP      39 57.51   0.1
TNP      2.57   4 ePn     39 57.33  -0.5
     S.D. = 0.8  on   8 of   8 obs.
-------------------------------------
   JUN 30, 1992 05h 45m 57.52± 0.57s
   39.900 N ± 6.0km   19.692 E ± 5.4km
   DEPTH =  10.0km  (geophysicist)
   3.5mb (  1 obs.)
 GREECE-ALBANIA BORDER REGION     (392)
      MD 3.3 (ATH). ML 2.9 (TIR).

KEK      0.20 156 ePg     46 02.40   0.4
TPE      0.46  32 iPgc    46 05.60  -1.4
                  iSg     46 10.50
VLO      0.59 345 ePg     46 08.60  -0.8
                  iSg     46 19.60
LSK      0.74  70 iPgc    46 09.60  -2.5
                  iSg     46 20.00
LCI      1.40 289 P       46 22.80  -0.3
                  eSn     46 41.00
TIR      1.45   5 iPnd    46 24.60   0.8
                  iSn     46 46.20
OHR      1.48  35 iPn     46 25.30   1.1
        0.7s   200.00nm
                  iSn     46 46.50
                  Lg      46 52.30
KZN      1.65  75 ePb     46 28.50   1.9
VLS      1.86 158 ePg     46 34.00   4.3X
SDA      2.12 356 ePn     46 33.20  -0.2
BRT      2.14 298 P       46 37.00   3.3X
                  eSn     47 05.00
KKS      2.24  14 ePn     46 36.50   1.3
ROI      2.43 263 P       46 38.20   0.3
SKO      2.46  32 iPn     46 38.30   0.0
        0.8s   102.00nm
                  i       47 06.30
VAY      2.61  56 iPn     46 40.40  -0.1
CSI      2.62 268 P       46 43.50   2.8X
SOI      3.37 238 P       46 51.10  -0.1
SGO      3.42 282 P       46 52.70   0.8
ATN      3.72 244 P       46 55.00  -1.3
NB2     21.81 349 P       50 48.40  -3.0X
        0.6s     1.30nm          3.5mb
     S.D. = 1.2  on  16 of  20 obs.
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& JUN 30, 1992 05h 48m 46.22s
58.450 N 153.945 W
DEPTH = 90.5km
KODIAK ISLAND REGION (13)
<AEIC>.

CDD 0.51 18 iP 49 00.49 -0.8
eS 49 12.27
MCNL 0.77 345 iP 49 02.91 -0.8
eS 49 15.26
SYI 0.83 78 eP 49 03.83 -0.5
eS 49 16.89
AUI 0.93 17 eP 49 04.48 -0.9
eS 49 18.71
AUH 0.95 16 eP 49 05.03 -0.8
AUP 0.95 16 iP 49 05.04 -0.8
AUE 0.96 18 eP 49 05.18 -0.6
AUL 0.97 16 eP 49 05.18 -0.7
KDC 1.04 132 P 49 05.80 -0.9
BGM 1.16 325 eP 49 07.26 -0.9
PDB 1.35 355 iP 49 09.27 -1.2
eS 49 26.68
XLV 1.53 48 eP 49 12.37 -0.4
IVS 1.63 15 eP 49 12.82 -1.5
INW 1.68 14 iP 49 13.47 -1.3
eS 49 34.30
INE 1.68 15 eP 49 13.52 -1.4
HOM 1.70 43 eP 49 14.34 -0.6
S 49 35.64
CNPM 1.77 51 eP 49 14.49 -1.4
RED 2.06 16 eP 49 18.47 -1.5
NNL 2.10 39 eP 49 19.16 -1.1
RS1 2.11 16 eP 49 19.32 -1.3
RSO 2.11 16 eP 49 19.37 -1.3
RS2 2.11 16 eP 49 19.30 -1.3
REF 2.14 17 eP 49 19.72 -1.3
NKA 2.68 30 eP 49 29.29 1.1
BKG 2.76 17 eP 49 27.65 -1.8
SVW 2.80 343 P 49 28.20 -1.7
SLKM 2.81 41 eP 49 27.77 -2.2
SEW 2.84 52 eP 49 28.75 -1.6
CKL 2.87 16 eP 49 29.21 -1.7
SPU 2.90 18 eP 49 29.29 -2.0
BGL 2.93 15 eP 49 30.49 -1.2
SUA 3.43 27 eP 49 36.47 -2.1
PTE 3.48 44 eP 49 36.36 -2.8
PMS 3.57 36 P 49 38.20 -2.3
34 obs. associated

JUN 30, 1992 05h 55m 10.85± 0.74s
34.156 N ± 6.1km 116.412 W ± 6.2km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.3 (GS). MD 3.2 (PAS).

PEC 0.68 247 iPc 55 24.57 0.2
PLM 0.88 205 iPd 55 27.99 -0.4
SSK 1.06 273 iPc 55 32.26 0.8
ISA 2.27 312 ePn 55 48.91 -0.7
iPg 55 55.09
eS 56 24.79
ABL 2.42 287 ePnc 55 52.22 0.3
TPNV 2.79 3 (P) 55 56.39 -0.8
BCH 3.20 290 ePn 56 02.65 -0.2
PHAM 3.68 298 ePn 56 09.23 -0.4
TNP 3.97 351 ePn 56 13.82 -0.1
BONR 4.09 339 ePn 56 16.07 0.4
ARUT 4.35 33 ePn 56 20.25 0.9
MSU 5.53 37 (P) 56 36.01 -0.1
S.D. = 0.6 on 12 of 12 obs.

% JUN 30, 1992 06h 44m 07.27± 1.63s
43.262 N ±11.2km 18.904 E ± 8.0km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.7 (TTG).

PLE 0.36 79 iPgd 44 14.89 0.1
iSg 44 20.27
BRY 0.45 216 iPgd 44 16.33 -0.1
iSg 44 23.24
NKY 0.45 171 iPgc 44 16.33 -0.2
iSg 44 22.93
IVA 0.83 118 iPgd 44 23.02 -0.3
iSg 44 35.19
HCY 0.87 200 iPgd 44 23.87 -0.1
iSg 44 36.82
TTG 0.87 162 iPgc 44 23.98 0.0
iSg 44 36.75
BDV 0.98 183 iPgd 44 25.95 0.1
PVY 1.03 130 ePg 44 26.87 0.0
iSg 44 41.95
ULC 1.32 169 iPgc 44 32.19 0.5
S.D. = 0.3 on 9 of 9 obs.

JUN 30, 1992 07h 36m 27.27± 0.76s
34.174 N ± 6.3km 116.430 W ± 6.5km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.3 (GS). MD 3.2 (PAS).

PEC 0.67 245 iPd 36 40.86 0.2
iS 36 49.96
PLM 0.89 204 iPc 36 45.23 0.2
iS 36 56.12
SSK 1.05 272 ePn 36 47.98 0.4
ISA 2.24 312 ePnd 37 05.20 -0.5
ABL 2.40 287 ePnc 37 07.48 -0.6
TPNV 2.77 3 (Pn) 37 14.82 1.5
BCH 3.18 290 ePn 37 18.61 -0.3
PHAM 3.66 298 (P) 37 25.47 -0.2
TNP 3.95 351 ePn 37 29.99 -0.1
BONR 4.07 339 ePn 37 32.34 0.6
ARUT 4.35 33 ePn 37 35.48 -0.2
MSU 5.53 37 (P) 37 51.62 -0.8
S.D. = 0.7 on 12 of 12 obs.

& JUN 30, 1992 07h 39m 14.63s
34.217 N 116.771 W
DEPTH = 3.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.6 (PAS). ML 3.6
(GS).

PEC 0.46 225 iPd 39 23.04 -0.8
SSK 0.76 270 iPc 39 29.08 -0.8
PLM 0.86 185 iPd 39 30.77 -1.2
S 39 43.94
ABL 2.12 288 ePn 39 50.46 -1.2
BCH 2.90 290 ePn 40 01.30 -1.3
PKEM 3.30 305 (P) 40 06.26 -1.9
PHAM 3.39 300 (P) 40 09.46 0.0
TNP 3.87 355 (Pn) 40 16.11 -0.5
BONR 3.93 342 ePn 40 14.65 -2.8
ARUT 4.47 36 ePn 40 23.87 -1.1
MSU 5.67 40 (Pn) 40 41.28 -0.8
11 obs. associated

? JUN 30, 1992 08h 10m 19.75± 2.11s
31.430 S ±45.6km 69.503 W ±25.0km
DEPTH = 120.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTBS 0.23 170 iPd 10 36.90 0.0
RTCB 0.60 96 ePc 10 38.60 -0.2
S 10 52.20
RTLL 0.89 84 ePd 10 41.20 0.1
S 10 57.00
RTCV 0.93 118 ePc 10 41.50 0.1
CFA 1.09 100 ePc 10 43.00 -0.1
S.D. = 0.2 on 5 of 5 obs.

& JUN 30, 1992 08h 57m 44.22s
34.570 N 116.413 W
DEPTH = 6.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.5 (PAS), 3.3 (GS).

PEC 0.92 223 iPd 58 00.74 -1.4
SSK 1.12 252 ePn 58 04.49 -1.2
S 58 19.90
PLM 1.27 197 iPd 58 07.14 -1.1
iS 58 24.61
GLA 2.01 138 ePn 58 15.80 -3.3
ABL 2.33 278 ePn 58 22.23 -1.7
eS 58 59.47
TPNV 2.38 3 ePn 58 23.10 -1.4
iS 58 59.26
BCH 3.08 283 ePn 58 32.56 -1.8
eS 59 20.20
TNP 3.56 350 ePn 58 39.53 -1.9
BONR 3.71 336 ePn 58 41.55 -2.0
ARUT 4.01 36 eP 58 46.04 -1.7
MSU 5.21 40 ePn 59 03.30 -1.5
11 obs. associated

• JUN 30, 1992 09h 13m 04.13± 0.68s
17.205 N ±19.2km 94.256 W ±10.2km
DEPTH = 172.6 ± 12.7 km
3.8mb (3 obs.)
CHIAPAS, MEXICO (61)

SCX 1.62 107 iP 13 36.91 -0.1
iS 13 59.72
OXX 2.36 267 iP 13 44.36 -1.1
iS 14 14.60
TPX 2.98 140 iP 13 53.13 0.4
iS 14 26.82
LVVM 3.27 321 (P) 13 34.91 -21.3X
IISM 3.46 301 iP 13 57.01 -1.7
(S) 14 33.64
IIT 4.26 296 iP 14 09.97 0.7
(S) 15 00.65
PPM 4.55 295 iP 14 14.31 1.0
(S) 14 53.51
IIA 4.61 295 iP 14 14.67 1.1
(S) 15 00.18
III 5.10 284 iP 14 20.60 0.4
ACX 5.37 267 iP 14 21.92 -1.7
(S) 15 22.88
MRX 7.04 292 iP 14 47.49 1.9
MEO 17.93 348 iPd 17 02.80 -0.9
YKA 47.43 347 eP 21 21.60 -1.1
0.6s 1.80nm 3.8mb
NB2 82.37 28 P 25 08.60 0.9
0.8s 1.70nm 3.8mb
GEC2 88.51 39 PKP 25 38.50 0.1
0.8s 0.73nm 3.7mb
S.D. = 1.3 on 14 of 15 obs.

? JUN 30, 1992 09h 25m 57.86± 8.77s
43.284 N ±12.6km 11.416 E ±64.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

CRE 0.52 48 P 26 08.10 -0.3
eSg 26 13.20
ASS 0.94 103 P 26 15.00 -0.8
eSg 26 26.00
ARV 1.13 79 P 26 20.00 0.9
eSg 26 34.00
MNS 1.29 134 P 26 22.00 0.2
S.D. = 1.2 on 4 of 4 obs.

• JUN 30, 1992 10h 04m 24.63± 2.29s
11.582 S ±12.1km 165.146 E ± 8.9km
DEPTH = 70.1 ± 22.9 km
4.9mb (15 obs.) 4.5Msz (2 obs.)
SANTA CRUZ ISLANDS (184)

BKM 6.75 154 iPc 06 02.20 -1.1
DZM 10.50 173 iPc 06 55.00 0.1
VUN 14.37 118 ePc 07 47.10 1.1
SVA 14.41 118 eP 07 47.20 0.7
PMG 17.82 275 e(P) 08 28.00 -1.5
CTA 20.03 243 iPd 08 56.50 1.9
1.0s 221.50nm 5.4mb
i 12 59.30
RMQ 21.41 224 iPd 09 12.40 3.8X
0.2s 125.00nm 5.9mb X
i 09 30.00
ARMA 22.56 212 iPd 09 25.00 5.0X
0.8s 32.00nm 4.8mb
OIS 26.08 247 eP 09 54.50 0.9
BWA 27.38 211 eP 10 06.10 0.7
i 10 09.80
CAN 27.81 209 eP 10 07.00 -2.2
i 10 10.90
WB2 30.74 250 iPd 10 34.40 -1.1
1.0s 9.50nm 4.5mb
ASPA 32.03 244 iPd 10 45.90 -1.0
1.2s 16.50nm 4.7mb
Z 20s 0.90um 4.5Msz
WARB 39.05 243 iPd 11 47.10 0.6
0.5s 5.00nm 4.7mb
SSE 59.83 316 Pc 14 25.20 0.0
1.0s 19.00nm 5.2mb
NJ2 61.99 316 eP 14 40.50 0.7
MDJ 64.55 333 eP 14 56.00 -0.5
CN2 65.90 330 eP 15 03.50 -1.6
1.0s 7.40nm 4.6mb

BJI 68.53 322 eP 15 23.00 1.2
TIY 69.55 318 eP 15 30.00 1.8
XAN 70.05 313 eP 15 31.10 -0.2
1.0s 14.00nm 4.8mb
KMI 70.90 302 Pd 15 41.50 4.6X
1.5s 70.00nm 5.4mb
HHC 71.86 320 eP 15 42.80 0.6
1.0s 12.00nm 4.8mb
Z 30s 0.47um 4.6MszX
CD2 72.46 308 eP 15 47.80 1.9
LZH 74.68 313 eP 16 01.50 2.7
1.4s 28.00nm 5.0mb
Z 18s 0.29um 4.6Msz
sP 16 19.50
YAK 78.42 344 eP 16 18.30 -0.6
1.2s 25.00nm 5.0mb
SPA 78.49 180 iPc 16 19.50 -0.1
1.0s 13.00nm 4.8mb
GTA 79.01 314 eP 16 20.50 -2.3
TOA 82.63 21 eP 16 40.10 -1.3
IMA 83.18 16 eP 16 42.20 -2.0
FBA 84.01 18 eP 16 39.50 -8.8X
0.7s 11.20nm 5.0mb
PNT 89.28 39 eP 17 14.00 -0.3
YKA 95.72 27 eP 17 34.50 -9.1X
0.7s 0.60nm 4.2mb
NB2 127.06 344 PKP 23 22.80 0.7
0.9s 1.10nm
GEC2 135.92 333 PKP 23 42.60 3.2X
0.9s 1.16nm
PDCR 146.03 134 ePKP 23 54.40 -3.8X
e 24 04.90
BCAO 146.21 261 iPKPc 23 55.20 -3.4X
0.9s 18.00nm
ic 24 04.80
ITR 149.05 130 iPKPd 24 02.40 -0.7
GUD 149.55 344 ePKP 24 09.50 6.3X
S.D. = 1.4 on 30 of 39 obs.

? JUN 30, 1992 10h 06m 53.82± 4.37s
31.657 S ±28.0km 71.330 W ±36.1km
DEPTH = 70.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)

PEL 1.58 160 iPc 07 21.00 0.7
iS 07 38.80
RTBS 1.60 91 ePc 07 21.00 0.5
(S) 07 40.00
FCH 1.88 152 iPc 07 24.90 0.1
iS 07 45.40
TACH 2.02 171 iPd 07 26.60 0.3
(S) 07 49.20
PCH 2.08 161 iPd 07 26.70 -0.5
RTCB 2.17 86 eP 07 28.70 0.2
(S) 07 51.50
LNV 2.29 182 iPc 07 30.30 0.2
iS 07 54.50
CHCH 2.34 166 iPd 07 30.30 -0.5
iS 07 54.60
RTLL 2.47 83 ePc 07 31.90 -0.7
CACH 2.53 166 iPd 07 33.20 -0.3
S.D. = 0.5 on 10 of 10 obs.

JUN 30, 1992 10h 37m 15.03± 0.39s
41.903 N ± 3.3km 20.537 E ± 3.6km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 4.3 (SKO), 3.6 (TTG). Felt
(IV) in the Tetovo area,
Yugoslavia.

KKS 0.20 331 iPgd 37 30.40 11.1X
LACI 0.67 247 iPgd 37 30.10 1.7
iSg 37 47.20
SKO 0.68 84 iPgd 37 27.00 -1.5
0.2s 356.00nm
iSg 37 36.50
i 37 37.00
TIR 0.75 222 iPgd 37 29.10 -0.6
iSg 37 41.50
SDA 0.78 279 iPgc 37 29.30 -0.9
iSg 37 42.70
PVY 0.81 329 iPgc 37 29.78 -1.0
iSg 37 42.04
OHR 0.81 166 iPg 37 29.60 -1.3
iSg 37 41.30
ULC 0.96 274 iPgd 37 31.99 -1.4
iSg 37 46.95
IVA 1.08 334 iPgd 37 34.43 -0.9
iSg 37 50.91
TTG 1.09 299 iPgd 37 34.09 -1.3
iSg 37 51.01
BDV 1.33 287 iPgc 37 38.65 -0.9
iSg 37 58.96
NKY 1.46 309 iPgd 37 41.15 -0.4
iSg 38 03.14
HCY 1.61 290 iPnd 37 43.66 0.1
iSn 38 06.59
VAY 1.63 110 iPn 37 44.00 0.1
0.4s 233.00nm
iSn 38 06.30
Lg 38 08.80
VLO 1.63 209 ePn 37 46.10 2.2
PLE 1.66 330 iPnd 37 44.21 -0.1
iSn 38 07.89
LSK 1.75 178 ePn 37 47.50 1.8
iSn 38 13.40
BRY 1.78 305 iPnd 37 46.14 -0.1
iSn 38 11.03
KZN 1.85 149 ePn 37 47.00 -0.1
eSn 38 11.50
SRN 2.06 192 ePn 37 53.30 3.2X
KEK 2.26 195 ePn 37 59.00 6.0X
LCI 2.50 232 P 37 55.00 -1.4
eSn 38 24.00
BRT 2.71 249 P 38 00.00 0.6
eSn 38 34.00
HVAR 3.28 294 ePn 38 08.60 1.1
ROI 3.81 234 P 38 15.00 -0.1
CSI 3.86 238 P 38 14.80 -0.9
TDS 3.90 236 P 38 17.00 0.8
MMN 3.99 241 P 38 15.60 -1.9
MGR 4.16 247 P 38 20.70 0.7
eSn 39 05.60
SGO 4.17 253 P 38 20.30 0.3
eSn 39 07.10
DUI 4.55 269 P 38 26.20 0.6
eSn 39 16.90
SDI 5.03 270 P 38 33.20 0.9
eSn 39 29.00
SOI 5.15 223 P 38 32.90 -1.0
eSn 39 28.30
PTJ 5.19 322 eP 38 54.80 20.2X
VBY 5.25 315 e(Pn) 38 38.50 3.0X
eSn 39 39.00
AZI 5.30 273 P 38 36.20 0.1
MLR 5.31 46 ePd 38 38.00 1.6
e 50 42.00
AQU 5.32 277 P 38 37.10 0.5
ATN 5.40 228 P 38 36.00 -1.5
eSn 39 35.50
ARV 5.82 288 P 38 43.60 0.1
eSn 39 48.70
CEY 5.85 313 ePn 38 44.70 0.8
eSn 39 53.50
MNS 5.86 277 P 38 44.00 -0.1
ASS 5.94 284 P 38 45.70 0.5
LJU 5.99 316 e(Pn) 38 52.50 6.7X
TRI 6.20 310 e(Pn)c38 48.80 0.0
i(Sn) 39 59.40
i 40 38.20
VOY 6.32 313 iPn 38 51.10 0.4
eSn 40 04.80
CRE 6.55 288 P 38 54.00 0.1
SFI 6.69 290 P 38 56.50 0.8
FVI 7.28 313 P 39 05.00 1.1
KBA 7.29 318 iPnc 39 04.70 0.4
i 39 06.60
i 39 11.90
e 40 36.00
CTI 7.63 306 P 39 08.50 -0.5
eSn 40 30.60
WTTA 8.31 313 iPnc 39 18.60 0.0
0.6s 6.00nm 5.0mb
i 39 20.30
i 39 23.50
i 40 53.20
S.D. = 1.0 on 46 of 52 obs.

JUN 30, 1992 10h 42m 49.86± 0.81s
34.298 N ± 6.9km 116.648 W ± 8.0km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.3 (GS). MD 3.2 (PAS).

PEC 0.59 227 iPd 43 01.96 0.3
S 43 10.47
SSK 0.87 265 ePc 43 06.77 -0.4
iS 43 19.54
PLM 0.96 191 iPd 43 08.89 0.2
iS 43 22.36
ABL 2.19 285 ePn 43 26.49 -1.2
TPNV 2.66 7 ePn 43 34.69 0.3
BCH 2.97 288 ePn 43 37.39 -1.2
PHAM 3.44 298 (Pn) 43 47.31 2.1
TNP 3.80 353 ePn 43 49.82 -0.8
BONR 3.89 340 (P) 43 53.04 1.2
ARUT 4.35 36 iPn 43 57.53 -0.7
MSU 5.54 39 ePn 44 15.45 0.2
S.D. = 1.1 on 11 of 11 obs.

& JUN 30, 1992 11h 30m 29.22s
34.093 N 116.417 W
DEPTH = 11.7km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.7 (PAS). ML 4.1
(GS).

PEC 0.65 252 iPd 30 41.04 -1.0
PLM 0.83 207 iPd 30 44.42 -0.7
SSK 1.06 277 iPc 30 48.76 -0.5
ABL 2.44 289 ePnc 31 07.90 -1.8
eS 31 48.45
TPNV 2.85 3 ePn 31 13.71 -1.8
BCH 3.21 291 eP 31 18.67 -2.0
PKEM 3.61 304 ePn 31 24.54 -1.6
PHAM 3.70 299 ePn 31 25.30 -2.2
TNP 4.03 351 ePn 31 31.30 -1.0
eS 32 33.65
BONR 4.15 339 ePn 31 33.26 -0.7
KVN 5.13 345 ePn 31 55.94 8.1
ARN 5.28 309 eP 31 47.45 -2.4
MSU 5.58 37 eP 31 53.36 -1.0
eS 32 55.94
DUG 6.74 24 ePn 32 11.17 0.7
0.6s 2.13nm 4.3mb X
eS 33 14.17
ORV 6.81 325 eP 32 07.51 -3.8
SRU 6.89 42 ePn 32 13.37 0.6
EMUT 7.26 37 ePn 32 17.06 -0.9
HVU 8.19 19 ePn 32 30.79 -0.1
eS 33 31.29
ALQ 8.26 81 ePn 32 37.91 5.9
0.8s 1.36nm 4.3mb X
19 obs. associated

& JUN 30, 1992 12h 14m 49.73s
34.087 N 116.417 W
DEPTH = 11.9km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.5 (PAS). ML 4.0
(GS).

PEC 0.65 253 iPc 15 01.62 -0.9
PLM 0.82 207 iPd 15 04.96 -0.6
SSK 1.07 277 iPc 15 09.30 -0.4
ABL 2.44 289 ePn 15 28.48 -1.7
TPNV 2.86 3 ePn 15 35.51 -0.6
BCH 3.22 291 eP 15 39.65 -1.5
eS 16 31.25
PKEM 3.61 304 (P) 15 49.98 3.3
PHAM 3.71 299 ePn 15 46.50 -1.6
TNP 4.04 351 eP 15 51.55 -1.3
BONR 4.15 339 ePn 15 53.48 -1.1
ARUT 4.41 32 ePn 15 56.51 -1.7
eS 17 08.30
KVN 5.14 345 ePn 16 07.03 -1.4
ARN 5.28 309 eP 16 08.15 -2.3
MSU 5.59 37 ePn 16 15.61 0.7
iS 17 44.99
DUG 6.74 24 ePn 16 31.04 0.0
SRU 6.90 42 eP 16 34.16 0.9
EMUT 7.26 36 (P) 16 39.69 1.2
ALQ 8.26 81 (P) 16 50.44 -2.0
18 obs. associated

% JUN 30, 1992 12h 22m 45.88± 0.76s
42.932 N ± 5.9km 19.049 E ± 7.3km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 1.3 (TTG).

30d 12h

NKY 0.12 197 iPgc 22 49.07 0.0
iSg 22 50.92
BRY 0.37 265 iPgc 22 53.59 0.0
iSg 22 59.39
PLE 0 47 32 iPgd 22 55.49 0.0
iSg 23 02.48
TTG 0.53 163 iPgd 22 56.47 0.0
iSg 23 04.15
HCY 0.63 220 iPgc 22 58.47 -0.1
iSg 23 07.75
BDV 0.67 194 iPgd 22 59.28 0.1
iSg 23 09.02
S.D. = 0.1 on 6 of 6 obs.

& JUN 30, 1992 12h 26m 19.25s
34.024 N 116.353 W
DEPTH = 0.8km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.3 (PAS). ML 3.5 (GS).

PEC 0.68 259 iPc 26 32.26 -0.6
PLM 0.79 213 iPd 26 34.40 -0.7
SSK 1.13 280 ePnc 26 40.20 -1.2
S 26 57.35
ABL 2.51 290 ePn 27 00.48 -1.6
TPNV 2.92 2 ePn 27 07.11 -0.8
iS 27 52.11
BCH 3.29 292 ePn 27 10.98 -2.1
eS 28 05.49
PHAM 3.78 300 ePn 27 18.69 -1.4
TNP 4.11 350 ePn 27 23.46 -1.3
BONR 4.23 339 ePn 27 25.41 -1.2
ARUT 4.44 31 ePn 27 28.63 -0.8
ARN 5.36 310 ePn 27 40.62 -1.9
MSU 5.61 36 ePn 27 45.95 -0.2
DUG 6.78 24 ePn 28 05.67 3.2
13 obs. associated

? JUN 30, 1992 12h 31m 24.32± 2.75s
39.100 N ±13.4km 26.328 E ±26.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

EZN 0.73 360 iPg 31 38.40 -0.1
eSg 31 50.90
IZM 1.01 134 iPn 31 43.60 0.1
BNT 1.76 44 iPn 31 55.50 0.5
DST 1.85 73 ePn 31 56.00 -0.4
VAY 3.63 309 ePn 32 28.40 6.6X
S.D. = 0.7 on 4 of 5 obs.

& JUN 30, 1992 12h 34m 54.53s
34.322 N 116.448 W
DEPTH = 4.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. MD 3.5 (PAS). ML 3.7 (GS).

PEC 0.73 234 iPc 35 07.94 -1.2
SSK 1.04 264 iPc 35 13.54 -1.2
ABL 2.35 284 ePn 35 32.51 -2.1
iS 36 09.61
TPNV 2.63 3 ePn 35 38.05 -0.5
S 36 18.90
BCH 3.12 287 ePn 35 43.56 -1.8
eS 36 34.79
PKEM 3.46 301 ePn 35 49.46 -0.8
PHAM 3.57 296 ePn 35 49.57 -2.3
TNP 3.80 351 ePn 35 53.85 -1.5
BONR 3.92 338 ePn 35 56.27 -0.8
ARUT 4.23 34 ePn 35 59.73 -1.6
ARN 5.12 308 ePn 36 11.44 -2.3
MSU 5.42 38 ePn 36 16.73 -1.5
ORV 6.61 324 ePn 36 29.59 -5.2
SRU 6.74 43 ePn 36 37.00 0.1
ALO 8.26 83 eP 36 58.59 0.5
0.9s 2.31nm 4.5mb X
15 obs. associated

% JUN 30, 1992 12h 39m 28.24± 1.25s
40.401 S ± 5.7km 173.340 E ± 6.6km
DEPTH = 193.6 ± 14.0 km
COOK STRAIT, NEW ZEALAND (163)

DIW 0.60 132 P 39 54.50 -0.8
ORZ 0.75 235 P 39 55.50 -0.5
S 40 12.30
TCW 1.08 139 P 39 58.00 -0.1
S 40 15.70
NRZ 1.16 23 P 39 59.20 0.4
KIW 1.28 112 Pc 39 59.60 -0.2
MRW 1.33 129 P 40 00.00 -0.1
S 40 18.80
BSZ 1.36 64 P 40 00.70 0.3
WEL 1.40 130 P 40 00.70 0.0
THZ 1.40 193 P 40 00.80 -0.1
CAW 1.49 119 P 40 01.50 -0.1
MNG 1.65 98 Pc 40 03.20 0.1
S 40 24.00
MOW 1.77 126 P 40 04.80 0.5
DSZ 1.78 220 P 40 04.80 0.4
MTW 1.81 115 P 40 04.80 0.2
BLW 1.89 122 P 40 05.80 0.4
KHZ 2.02 176 P 40 07.30 0.5
MOZ 2.21 31 P 40 09.30 0.5
eS 40 36.50
LTZ 2.51 198 P 40 12.70 0.4
eS 40 41.40
MQZ 3.34 189 P 40 21.40 -0.7
eS 40 57.40
URZ 3.62 55 P 40 24.70 -0.9
S.D. = 0.5 on 20 of 20 obs.

& JUN 30, 1992 13h 05m 36.49s
35.681 N 117.614 W
DEPTH = 5.4km
4.2mb (4 obs.)
CENTRAL CALIFORNIA (39)
<PAS-P>. ML 4.7 (PAS), 4.2 (GS).
Felt (III) at Johannesburg.

SSK 1.47 183 ePnd 06 00.71 -3.1
ABL 1.55 238 ePn 06 03.32 -1.7
TPNV 1.68 41 ePnd 06 06.40 -0.3
PEC 1.82 168 iPd 06 07.80 -0.9
(S) 06 31.77
PKEM 2.06 281 ePn 06 11.94 -0.2
BCH 2.08 257 ePnc 06 11.02 -1.5
PHAM 2.27 275 ePnc 06 13.60 -1.6
BONR 2.34 347 iPd 06 16.14 -0.3
PLM 2.40 165 ePn 06 15.84 -1.4
TNP 2.42 7 iPd 06 16.76 -0.7
KVN 3.39 354 ePn 06 30.06 -1.2
eS 07 30.06
ARN 3.57 299 ePn 06 32.68 -1.0
ARUT 3.96 57 ePn 06 38.33 -1.0
eS 07 42.53
ORV 4.95 323 ePn 06 54.61 1.4
NWRM 5.05 305 ePn 06 55.63 1.1
MSU 5.19 55 ePn 06 55.68 -1.1
iPg 07 13.37
iS 08 22.34
DUG 5.89 39 ePn 07 08.23 1.6
ePg 07 27.45
eS 08 39.69
L8FM 6.58 331 ePn 07 17.57 1.2
SRU 6.60 57 ePn 07 17.08 0.3
EMUT 6.78 51 ePn 07 20.74 1.4
HVU 7.17 30 ePn 07 23.84 -0.8
ALO 9.15 91 ePn 07 53.02 0.7
BW06 9.45 39 eP 07 57.50 1.1
SHW 11.06 343 ePn 08 19.37 0.9
LON 11.50 345 ePn 08 26.61 2.3
BMW 11.58 340 ePn 08 26.96 1.5
RMW 12.18 346 ePn 08 36.09 2.6
GMW 12.47 344 eP 08 40.22 2.9
RSSD 13.39 47 eP 08 49.25 -0.6
PNT 13.71 354 P 08 58.00 4.2
MEO 15.58 88 iPd 09 20.10 1.7
OLY 21.25 83 eP 10 25.72 0.1
ULM 21.45 41 eP 10 29.50 1.9
FVM 21.86 76 eP 10 31.80 0.0
1.0s 23.65nm 4.6mb
YKA 26.90 3 eP 11 22.30 2.4
0.8s 3.20nm 4.1mb
FCC 27.80 26 eP 11 31.00 2.9
FBA 34.37 338 (P) 12 27.00 1.0
0.9s 3.33nm 4.2mb
MBC 40.66 359 eP 13 20.00 1.3
1.0s 5.00nm 4.2mb
38 obs. associated

JUN 30, 1992 13h 07m 39.41± 0.87s
24.044 N ± 6.6km 121.724 E ± 8.6km
DEPTH = 36.9 ± 8.9 km
4.4mb (8 obs.)
TAIWAN (244)
ML 4.2 (BJI).

TWD 0.12 287 iPc 07 46.10 0.3
eS 07 50.10
TWC 0.57 11 iPc 07 51.00 0.0
eS 07 58.60
TATO 0.95 347 iP 07 57.30 0.9
eS 08 09.00
TWZ 1.06 353 ePc 07 58.40 0.5
QZH 2.99 288 ePn 08 25.00 -0.6
Sn 08 57.20
SSE 7.04 356 eP 09 19.50 -3.2X
S 10 36.70
HKC 7.16 258 eP 09 25.10 0.7
GZH 7.75 265 P 09 32.20 -0.4
NJ2 8.37 343 eP 09 39.50 -1.7
S 11 10.00
WHN 9.21 316 eP 09 50.50 -2.4
eS 11 27.50
QIZ 12.13 248 eP 10 40.60 7.9X
eS 12 51.60
GYA 13.84 283 eP 10 56.00 0.5
XAN 14.97 315 eP 11 08.60 -1.6
TIY 15.77 332 eP 11 23.70 3.2X
CD2 17.34 297 eP 11 45.60 5.3X
HHC 18.80 335 eP 12 00.80 2.4
1.0s 5.90nm 3.8mb
BTO 19.21 332 eP 12 05.00 1.8
LZH 19.55 312 eP 12 10.50 3.4X
1.4s 20.00nm 4.2mb
Z 16s 0.49um 4.4Msz
CN2 19.94 8 eP 12 11.80 0.7
0.5s 2.00nm 3.7mb
epP 12 22.00 43kmX
MDJ 21.51 15 eP 12 26.00 -1.1
CHG 21.82 261 eP 12 31.50 1.0
GTA 24.03 315 eP 12 49.00 -3.1X
1.0s 9.00nm 4.3mb
Z 16s 0.57um 4.1MszX
WRA 45.42 163 P 15 56.00 -0.5
0.5s 5.00nm 4.7mb
WB2 45.42 163 iPc 15 55.60 -1.0
0.5s 8.80nm 4.9mb
QIS 47.63 157 eP 16 14.50 0.5
ASPA 48.88 165 eP 16 24.50 0.8
WARB 50.16 174 eP 16 33.00 -0.4
0.4s 7.00nm 5.0mb
YKA 82.91 23 eP 20 00.90 -0.5
0.6s 3.00nm 4.5mb
GEC2 83.26 321 P 20 15.30 11.6X
1.0s 1.09nm
S.D. = 1.2 on 22 of 29 obs.

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* JUN 30, 1992 13h 11m 33.98± 1.88s
2.601 N ±10.5km 126.072 E ±20.0km
DEPTH = 87.1 ± 25.2 km
4.4mb (4 obs.)
NORTHERN MOLUCCA SEA (266)

MNI 1.69 227 ePc 12 02.00 -0.4
eS 12 19.80
BIP 5.59 2 ePd 13 02.00 5.7X
CGP 5.97 347 eP 13 02.00 0.4
PCI 7.14 241 ePc 13 18.60 0.9
0.7s 5.00nm 4.2mb
e 16 59.00
KKM 10.41 290 ePd 14 01.60 -0.7
WB2 23.83 160 iPc 16 39.20 -1.0
0.6s 21.80nm 4.8mb
eS 20 51.20
ASPA 27.20 164 eP 17 12.90 1.4
0.5s 8.40nm 4.5mb
STK 37.33 158 iPc 18 39.10 -0.5
0.8s 2.80nm 4.2mb
S.D. = 1.3 on 7 of 8 obs.

? JUN 30, 1992 13h 17m 32.35±16.54s
57.598 N ±136.km 6.143 E ±34.8km
DEPTH = 10.0km (geophysicist)
NORTH SEA (534)
MD 2.4 (BER).

KMY 1.69 344 iPc 18 01.97 0.0

eSg 18 17.93
ODD1 2.33 6 eP 18 11.28 -0.1
eSg 18 33.06
EGD 2.72 350 eP 18 16.80 -0.1
eSg 18 46.60
ASK 2.93 351 eP 18 20.00 0.2
eS 18 48.70
SUE 3.54 349 eP 18 27.50 -0.9
eS 19 02.50
NRA0 4.20 39 Pn 18 37.56 -0.2
Pg 18 47.19
Sn 19 19.49
Lg 19 33.82
S.D. = 0.5 on 6 of 6 obs.

JUN 30, 1992 13h 24m 52.53± 1.03s
43.321 N ± 3.9km 126.831 W ± 9.1km
DEPTH = 10.0km (geophysicist)
3.2mb (1 obs.)
OFF COAST OF OREGON (30)

RNO 2.32 74 Pc 25 30.88 -0.6
DBO 2.63 93 P 25 35.06 -0.8
MPOR 2.65 62 Pc 25 35.40 -0.8
HSO 2.73 84 Pc 25 36.67 -0.7
TKO 3.17 49 Pc 25 43.01 -0.5
S 26 21.02
FBO 3.23 71 Pc 25 44.44 0.0
S 26 28.71
HBO 3.32 79 P 25 45.76 0.0
S 26 28.91
KMOR 3.33 45 P 25 44.77 -1.0
S 26 25.10
SSOR 3.50 63 P 25 48.93 0.7
S 26 31.47
GT2 3.76 59 Pc 25 52.33 0.5
PGO 3.80 54 P 25 52.81 0.4
S 26 40.26
TCO 3.87 76 Pc 25 53.74 0.1
BPO 3.94 69 Pc 25 54.89 0.3
RVW 4.06 44 P 25 56.09 0.1
S 26 45.99
VLMM 4.09 55 Pc 25 56.90 0.4
S 26 45.22
TDH 4.12 60 Pc 25 57.50 0.5
VBEM 4.15 63 Pc 25 57.59 0.1
LBFM 4.16 117 e(P) 25 56.43 -1.2
ONR 4.16 30 P 25 57.06 -0.4
LVP 4.18 47 Pc 25 58.13 0.3
MTMW 4.26 49 Pc 25 59.00 0.0
VLL 4.27 58 P 25 59.77 0.6
FL2 4.30 46 P 25 59.75 0.2
VFP 4.34 61 P 26 00.12 -0.1
SHW 4.35 47 Pc 26 00.86 0.5
HSR 4.37 48 Pc 26 01.19 0.6
JLK 4.37 48 P 26 00.71 0.2
REMW 4.39 47 P 26 01.34 0.5
GMO 4.39 73 P 26 00.44 -0.5
APM 4.40 55 Pc 26 01.33 0.3
CDFW 4.41 49 Pc 26 01.10 0.1
CROR 4.52 66 Pc 26 02.12 -0.5
KOSW 4.55 45 Pc 26 03.40 0.3
GULW 4.55 53 P 26 03.50 0.3
VIPM 4.64 73 P 26 03.91 -0.6
LMW 4.64 42 P 26 04.44 0.0
OOW 4.79 22 P 26 05.86 -0.6
GLK 4.92 47 Pc 26 08.72 0.3
GL2 5.03 56 Pc 26 09.92 0.0
ORV 5.49 131 eP 26 17.87 1.5
ARN 7.21 144 eP 26 40.10 -0.4
DPW 7.57 50 P 26 44.68 -0.9
PNT 7.80 37 iPd 26 47.80 -1.0
0.4s 10.00nm 5.4mb X
ARUT 11.58 114 e(P) 27 43.37 2.3X
MSU 12.08 108 eP 27 48.06 0.2
YKA 20.50 16 eP 29 32.50 -0.5
0.9s 1.10nm 3.2mb
ULM 22.19 61 eP 29 52.00 1.8
FCC 25.40 41 eP 30 25.00 3.8X
S.D. = 0.6 on 46 of 48 obs.

JUN 30, 1992 14h 10m 54.27± 0.72s
6.334 S ± 8.0km 147.716 E ± 7.5km
DEPTH = 55.5 ± 9.1 km
4.6mb (6 obs.) 4.4Msz (2 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

FINC 0.31 154 iPc 11 04.20 0.1
LAT 0.78 246 iPd 11 07.90 -1.5
YYYY 1.74 273 iPd 11 22.60 -0.1
MDG 2.21 299 eP 11 28.00 -1.1
PMG 3.11 190 eP 11 42.00 0.1
MNDI 4.04 272 eP 11 56.00 0.7
WWKK 4.89 303 eP 12 09.20 2.1
RAB 4.92 65 e(P) 12 07.00 -0.5
CTA 13.75 186 eP 14 09.90 1.8
0.5s 9.86nm 4.8mb
OIS 16.18 208 eP 14 39.50 -0.1
WB2 18.75 223 eP 15 08.30 -3.1X
0.2s 22.50nm 5.0mb
GUMO 19.99 352 eP 15 14.80 -10.3X
RMO 20.07 177 e(P) 15 26.00 0.2
i 15 30.60
OLP 20.41 189 eP 15 29.00 -0.3
ASPA 21.76 216 eP 15 42.30 -0.8
0.6s 26.40nm 4.8mb
Z 19s 0.80um 4.1Msz
eS 19 44.00
ARMA 24.24 172 iPd 16 11.00 3.7X
0.3s 3.00nm 4.3mb
STK 26.05 192 eP 16 24.40 0.1
0.5s 3.60nm 4.2mb
WARB 28.18 223 eP 16 43.00 -0.7
0.3s 3.00nm 4.4mb
KKN 69.10 303 P 22 07.50 10.3X
DMN 69.19 303 P 22 08.60 10.8X
GKN 69.71 303 P 22 10.40 9.5X
ZOBO 138.01 123 ePKP 30 07.00 -9.4X
Z 20s 0.13um 4.7Msz
LR 47 04.00
LIC 152.91 271 PKP 30 47.20 6.9X
TIC 152.91 272 PKP 30 47.80 7.5X
S.D. = 1.1 on 15 of 24 obs.

& JUN 30, 1992 14h 38m 11.59s
34.004 N 116.361 W
DEPTH = 0.8km
5.1mb (32 obs.) 4.6Msz (11 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.8 (PAS).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 18C
Centroid Location:
Origin Time 14:38:14.3 0.8
Lat 34.00N FIX;Lon 116.36W FIX
Dep 15.0 FIX Half-duration 1.3
Moment Tensor; Scale 10**16 Nm
Mrr=-3.67 0.43 Mtt= 1.22 0.53
Mff= 2.44 0.47 Mrt= 1.41 1.27
Mrf= 5.10 0.90 Mtf= 0.01 0.48
Principal Axes:
T Val= 5.45 Plg=30 Azm=281
N 1.29 3 13
P -6.74 60 107
Best Double Couple:Mo=6.1*10**16
NP1:Strike= 3 Dip=15 Slip=-100
NP2: 194 75 -87

PEC 0.67 261 iPc 38 24.38 -0.7
PLM 0.77 213 iPd 38 26.38 -0.6
SSK 1.12 281 ePc 38 32.52 -1.1
ABL 2.51 290 eP 38 53.07 -1.4
TPNV 2.94 2 eP 38 59.76 -0.8
BCH 3.29 292 ePc 39 03.75 -1.7
PKEM 3.70 305 eP 39 10.86 -0.3
PHAM 3.79 300 eP 39 11.04 -1.4
TNP 4.13 351 ePc 39 16.51 -0.9
BONR 4.25 339 ePd 39 18.39 -0.8
ARUT 4.46 31 ePn 39 20.92 -1.2
KVN 5.23 345 ePc 39 32.08 -1.0
ARN 5.37 310 P 39 32.25 -2.7
MSU 5.63 36 ePn 39 38.60 -0.2
DUG 6.80 24 eP 39 54.86 -0.3
0.4s 1.84nm 4.6mb
ORV 6.91 325 eP 39 55.58 -0.9
SRU 6.93 41 ePn 39 56.44 -0.6
EMUT 7.30 36 ePn 40 03.32 1.0
DAU 7.58 31 ePn 40 07.51 1.3
ALQ 8.23 81 ePn 40 13.80 -1.5
HVU 8.26 19 ePn 40 14.59 -1.1
LBFM 8.54 331 ePn 40 19.93 0.4
SHW 12.97 342 ePn 41 21.75 1.8
LON 13.39 344 eP 41 27.85 2.5
BMW 13.51 339 (P) 41 28.19 1.2
DPW 13.92 355 eP 41 33.21 0.8
RMW 14.06 345 eP 41 36.57 2.4
GMW 14.37 342 ePn 41 44.63 6.4
MEO 14.70 82 iPd 41 43.00 0.3
PNT 15.49 352 P 41 55.00 2.1
PGC 15.56 342 eP 41 57.00 3.3
OCO 15.60 79 iPc 41 56.50 2.1
SES 16.84 12 P 42 12.00 1.8
2.6s 4.50nm 3.1mb X
TUL 16.97 78 eP 42 13.30 1.4
2.4s 249.50nm 4.9mb
Lg 47 20.00
LNO 16.97 78 eP 42 12.90 1.1
Lg 47 20.00
OLY 20.50 79 eP 42 51.32 -2.4
CCM 20.69 72 eP 42 55.89 0.2
1.0s 13.15nm 4.2mb
Z 19s 1.97um 4.5Msz
FVM 21.33 72 eP 43 01.60 -0.7
0.9s 21.95nm 4.5mb
ULM 22.12 37 ePd 43 11.30 1.2
GBTN 26.38 77 eP 43 51.37 0.1
SIT 26.43 336 P 44 00.00 8.6
Z 19s 1.80um 4.6Msz
YKA 28.53 2 eP 44 09.60 -0.9
1.1s 6.70nm 4.4mb
FCC 28.87 24 eP 44 15.50 1.9
MCWV 29.63 68 P 44 30.00 9.4
Z 21s 2.49um 4.8Msz
CEH 30.49 76 P 44 40.00 11.7
Z 20s 1.66um 4.7Msz
LVNJ 33.49 66 eP 44 55.32 0.8
TOA 33.87 335 eP 44 58.00 0.3
TBR 33.89 65 eP 44 58.80 0.8
PMS 34.57 332 eP 45 02.90 -0.8
PMR 34.62 333 eP 45 04.08 0.0
1.0s 25.22nm 5.0mb
Z 22s 0.47um 4.2MszX
CPKM 35.64 331 eP 45 11.33 -1.7
HRV 35.84 63 P 45 20.00 5.3
Z 19s 1.42um 4.7Msz
FBA 36.31 338 eP 45 19.26 0.9
1.1s 39.29nm 5.1mb
SVW 36.97 329 eP 45 23.86 -0.1
0.8s 12.12nm 4.7mb
SDN 37.11 319 P 45 30.00 4.8
Z 20s 1.59um 4.8Msz
TTA 38.04 332 eP 45 31.82 -1.2
1.0s 14.16nm 4.7mb
HON 38.73 262 P 45 50.00 10.8
Z 20s 0.71um 4.5Msz
IMA 38.95 337 eP 45 41.00 0.3
1.6s 80.70nm 5.1mb
LMN 40.61 57 eP 45 57.00 2.4
MBC 42.35 359 eP 46 09.50 1.1
1.5s 123.00nm 5.4mb
YAK 70.61 333 eP 49 28.50 -1.8
1.3s 36.00nm 5.3mb
NB2 76.13 23 P 50 02.50 -0.1
1.1s 5.20nm 4.6mb
FLN 79.78 37 eP 50 23.10 0.3
Z 19s 0.15um 4.4Msz
GRR 79.83 38 eP 50 23.30 0.2
1.2s 21.70nm 5.0mb
LPF 79.97 38 eP 50 24.20 0.3
1.2s 15.45nm 4.8mb
LDF 80.07 37 eP 50 24.70 0.3
1.3s 15.90nm 4.8mb
MFF 81.36 39 eP 50 31.60 0.3
1.3s 18.75nm 5.0mb
TCF 82.79 38 eP 50 38.80 0.0
SSF 82.91 37 eP 50 39.70 0.4
1.5s 26.10nm 5.2mb
LOR 82.94 36 eP 50 39.90 0.4
1.2s 17.25nm 5.1mb
Z 19s 0.17um 4.4Msz
MAF 83.01 38 eP 50 40.20 0.3
1.4s 19.15nm 5.1mb
AVF 83.02 37 eP 50 40.00 0.1
1.6s 26.10nm 5.2mb
RJF 83.09 39 eP 50 40.70 0.4
1.5s 27.15nm 5.3mb
Z 18s 0.13um 4.3Msz
LBF 83.20 37 eP 50 41.10 0.2
1.4s 20.50nm 5.2mb
LPO 83.34 40 eP 50 42.10 0.5

30d 14h

1.4s 20.50nm 5.2mb
SMF 83.36 37 eP 50 41.70 0.0
1.2s 19.65nm 5.2mb
HAU 83.63 35 eP 50 43.20 0.2
Z 20s 0.35um 4.7Msz
CAF 83.64 39 eP 50 43.30 0.1
1.3s 20.95nm 5.2mb
CDF 83.77 34 eP 50 44.00 0.2
1.2s 13.40nm 5.0mb
BSF 83.96 35 eP 50 45.00 0.2
1.3s 20.20nm 5.2mb
MOX 84.04 30 eP 50 46.10 1.0
1.7s 28.00nm 5.2mb
CLL 84.11 29 eP 50 45.00 -0.3
1.6s 16.00nm 5.0mb
BRG 84.83 29 iP 50 49.30 0.3
1.2s 15.00nm 5.1mb
ITR 84.99 104 eP 50 50.40 0.1
LPG 85.61 36 eP 50 54.30 0.9
1.2s 11.60nm 4.9mb
OBN 88.27 15 eP 51 02.50 -3.2
Z 16s 0.40um 4.9MszX
TIC 103.67 72 Pdiff 52 21.20 4.5
LIC 103.92 73 Pdiff 52 19.20 1.4
KIC 104.06 72 Pdiff 52 21.10 2.6
WB2 116.54 263 ePKP 56 57.50 -2.0
0.5s 4.00nm
WRA 116.55 263 PKP 56 58.00 -1.5
0.6s 1.10nm
KRI 145.04 69 iPKPd 57 53.00 -0.1
BUL 146.07 75 iPKPd 57 54.00 -0.8
1.0s 6.00nm
MAW 146.35 179 iPKPd 57 56.80 3.2
0.9s 11.00nm
BLF 147.84 92 ePKP 58 15.70 18.3
PRY 148.16 87 iPKPc 58 03.60 5.6
SLR 148.37 84 ePKP 58 00.50 2.2
1.0s 15.00nm
97 obs. associated

JUN 30, 1992 14h 41m 19.88± 0.47s
29.087 S ± 6.1km 67.980 W ± 8.9km
DEPTH = 144.5 ± 13.6 km
LA RIOJA PROVINCE, ARGENTINA (138)

RTPR 1.76 134 iPd 41 50.80 -1.4
(S) 42 06.80
RTCB 2.49 196 iPd 42 01.70 0.5
S 42 18.10
CFA 2.52 185 iPd 42 02.00 0.5
(S) 42 30.00
ZON 2.52 194 iPc 42 02.20 0.6
eS 42 29.20
RTCV 2.81 190 iPc 42 05.60 0.5
RTBS 2.86 206 e(P)d 42 06.70 0.9
PEL 4.66 209 eP 42 29.50 -0.1
iS 43 24.90
FCH 4.67 205 eP 42 30.10 0.2
iS 43 25.40
PCH 5.01 205 iPd 42 34.60 0.3
(S) 43 33.70
IHA 5.03 218 e(P) 42 51.00 16.6X
TACH 5.21 208 eP 42 36.10 -0.8
iS 43 36.10
CHCH 5.34 205 eP 42 38.60 -0.1
iS 43 38.80
CACH 5.49 203 iPd 42 41.40 0.6
LNV 5.67 210 ePd 42 41.00 -2.0
ANT 5.79 337 eP 42 44.00 -0.6
CNCB 12.22 360 P 44 12.00 1.3
LPB 12.50 359 P 44 19.00 4.8X
ZOBO 12.74 359 eP 44 17.00 -0.6
LR 12 56.00
PPD 16.59 69 eP 45 06.10 0.7
PDCR 31.48 64 eP 47 29.60 -0.4
e 50 58.30
S.D. = 0.9 on 18 of 20 obs.

? JUN 30, 1992 14h 47m 29.23± 3.39s
34.079 N ± 9.5km 116.250 W ±27.4km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.0 (GS). MD 3.1 (PAS).

PEC 0.78 256 iPc 47 44.66 -0.2
iS 47 54.06
PLM 0.89 215 iPd 47 46.88 0.1
iS 47 57.99
SSK 1.20 277 ePn 47 52.50 0.2
iS 48 09.03
ABL 2.57 288 ePn 48 12.53 0.1
BCH 3.35 290 ePn 48 23.36 0.0
ARN 5.40 309 eP 48 52.33 -0.1
S.D. = 0.2 on 6 of 6 obs.

• JUN 30, 1992 15h 04m 37.72± 1.34s
60.966 N ±14.4km 11.500 E ± 9.5km
DEPTH = 10.0km (geophysicist)
SOUTHERN NORWAY (535)
MD 2.8 (BER).

NRA0 0.23 175 ePg 04 42.90 0.2
Sg 04 45.50
HFS 1.37 127 eP 05 02.70 -0.1
0.2s 15.70nm
HYA 2.59 277 eP 05 20.33 0.0
eSg 05 57.66
ODD1 2.64 248 eP 05 21.00 -0.1
eSg 05 58.86
ASK 3.14 264 eP 05 27.80 -0.2
eSg 06 12.70
EGD 3.17 260 eP 05 28.10 -0.4
eSg 06 14.50
SUE 3.28 275 eP 05 30.80 0.6
eSg 06 19.10
S.D. = 0.4 on 7 of 7 obs.

JUN 30, 1992 15h 12m 59.05± 0.67s
40.672 N ± 5.0km 19.187 E ± 6.1km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 2.7 (TIR).

VLO 0.31 131 iPg 13 05.10 -0.4
iSg 13 10.00
TPE 0.73 121 ePg 13 13.50 0.1
TIR 0.85 37 ePg 13 15.00 -0.4
iSg 13 30.00
LCI 1.00 251 P 13 17.60 -0.4
SRN 1.01 142 ePn 13 18.80 0.7
LACI 1.04 22 ePn 13 18.70 0.0
iSn 13 35.70
LSK 1.20 115 ePn 13 17.40 -4.0X
OHR 1.30 70 iPn 13 22.20 -0.9
0.8s 77.00nm
iSn 13 41.50
Lg 13 46.10
SDA 1.36 10 ePn 13 24.50 0.5
BRT 1.52 278 P 13 30.10 3.8X
SKO 2.14 52 iPn 13 36.00 0.8
0.6s 61.00nm
iSg 14 04.30
ORI 2.18 255 P 13 41.00 5.1X
S.D. = 0.7 on 9 of 12 obs.

& JUN 30, 1992 15h 19m 05.01s
34.171 N 116.409 W
DEPTH = 0.4km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.0 (PAS), 3.8 (GS).

PEC 0.68 246 iPc 19 18.05 -0.6
PLM 0.90 205 iPd 19 22.06 -0.9
SSK 1.07 272 iPc 19 25.04 -1.1
ABL 2.42 287 eP 19 44.76 -1.9
TPNV 2.77 3 ePnd 19 50.50 -1.2
BCH 3.19 290 eP 19 55.38 -2.1
PKEM 3.57 303 P 20 09.93 7.1
PHAM 3.67 298 ePn 20 02.45 -1.8
TNP 3.96 351 ePn 20 06.40 -2.1
BONR 4.08 338 ePn 20 12.80 2.6
ARUT 4.34 33 eP 20 13.20 -0.7
KVN 5.06 345 ePn 20 22.58 -1.5
ARN 5.24 309 eP 20 24.33 -2.1
MSU 5.52 37 eP 20 29.05 -1.6
SRU 6.83 42 eP 20 49.52 0.4
HVU 8.12 20 (P) 21 05.64 -1.5
16 obs. associated

JUN 30, 1992 15h 19m 05.83± 0.60s
37.654 S ± 6.2km 176.892 E ± 5.3km
DEPTH = 13.8 ± 5.1 km
NORTH ISLAND, NEW ZEALAND (159)
ML 3.9 (WEL).

WIZ 0.27 62 P 19 13.40 1.7
URZ 0.63 164 Pc 19 16.80 -1.3
S 19 24.80
TAZ 0.65 208 P 19 19.30 0.8
PATZ 0.88 214 P 19 23.20 0.7
WLZ 1.05 258 P 19 24.80 -0.5
HBZ 1.12 88 eP 19 25.50 -1.0
PUZ 1.16 112 P 19 26.70 -0.5
eS 19 41.30
KUZ 1.30 314 P 19 28.60 -0.9
TTH 1.88 182 P 19 38.30 0.4
WAHZ 2.08 191 P 19 40.60 -0.2
WCZ 2.67 309 P 19 48.40 -0.7
WRA 40.86 283 P 26 50.20 1.3
0.6s 0.30nm 3.2mb
S.D. = 1.1 on 12 of 12 obs.

& JUN 30, 1992 15h 20m 08.28s
34.261 N 116.743 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43
<PAS-P>. ML 3.9 (PAS), 3.7 (GS)

PEC 0.51 223 eP 20 18.05 -0.3
SSK 0.79 267 eP 20 22.98 -1.0
PLM 0.91 186 (P) 20 25.60 -0.9
ABL 2.13 287 ePn 20 44.71 -1.1
TPNV 2.71 8 (P) 20 54.72 0.6
5 obs. associated

JUN 30, 1992 15h 55m 47.64± 0.88
34.120 N ± 7.8km 116.326 W ± 7.4k
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43
ML 3.0 (GS). MD 3.1 (PAS).

PEC 0.73 252 iPc 56 02.89 0.7
PLM 0.89 210 eP 56 04.78 -0.4
SSK 1.14 275 eP 56 09.69 0.2
GLA 1.64 130 eP 56 17.49 0.2
ABL 2.50 288 eP 56 30.29 0.5
BCH 3.27 290 ePn 56 39.50 -1.3
TNP 4.02 350 ePn 56 51.60 0.2
S.D. = 0.8 on 7 of 7 obs.

JUN 30, 1992 15h 57m 55.77± 0.69
47.523 N ± 6.3km 0.226 W ±12.4k
DEPTH = 10.0km (geophysicist)
FRANCE (538
ML 1.8 (LDG).

LPF 0.75 313 Pg 58 10.20 -0.2
Sg 58 21.50
MFF 0.92 177 Pg 58 13.50 0.1
Sg 58 24.00
GRR 0.96 334 Pg 58 14.50 0.4
Sg 58 27.80
LDF 1.07 4 Pg 58 16.20 0.2
Sg 58 29.90
FLN 1.25 352 Pg 58 18.60 -0.4
Sg 58 34.90
LSF 1.75 136 Pg 58 26.30 -0.1
S.D. = 0.4 on 6 of 6 obs.

JUN 30, 1992 16h 06m 24.07± 0.49
36.720 N ± 6.0km 116.256 W ± 4.7k
DEPTH = 5.0km (geophysicist)
CALIFORNIA-NEVADA BORDER REGION (40
ML 3.5 (GS).

TNP 1.56 331 iPc 06 52.53 -0.2
BONR 2.04 308 ePc 06 59.46 -0.4
ARUT 2.49 64 ePn 07 06.10 0.0
KVN 2.75 328 ePn 07 09.43 -0.4
eS 07 51.27
ABL 3.05 233 ePn 07 14.84 0.8
BCH 3.46 245 eP 07 19.40 -0.4
MSU 3.70 60 ePn 07 23.95 0.5
GLA 3.84 162 ePn 07 24.59 -0.6
ARN 4.27 280 ePn 07 31.81 0.6
SRU 5.12 61 ePn 07 43.44 -0.1
S.D. = 0.6 on 10 of 10 obs.

JUN 30, 1992 16h 45m 27.03± 0.80
34.137 N ± 5.7km 116.416 W ± 6.8k
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43

ML 3.5 (GS). MD 3.4 (PAS).

PEC 0.67 249 eP 45 40.14 -0.2
PLM 0.87 206 iPd 45 44.16 -0.1
SSK 1.06 274 iPc 45 48.39 0.8
ABL 2.42 288 ePn 46 08.07 -0.1
TPNV 2.81 3 ePnd 46 13.92 0.3
BCH 3.20 290 ePn 46 19.07 0.0
PHAM 3.68 299 ePn 46 26.20 0.3
TNP 3.99 351 ePn 46 30.05 -0.3
BONR 4.10 339 ePnd 46 32.28 0.2
ARUT 4.37 33 ePn 46 35.97 0.2
S 47 46.33
KVN 5.09 345 eP 46 45.64 -0.3
ARN 5.25 309 ePn 46 47.33 -0.8
MSU 5.55 37 (P) 46 55.93 3.4X
S.D. = 0.5 on 12 of 13 obs.

% JUN 30, 1992 17h 12m 50.98± 0.55s
42.608 N ± 5.1km 13.128 E ± 7.5km
DEPTH = 5.0km (geophysicist)
CENTRAL ITALY (381)

AQU 0.33 141 P 12 56.50 -1.0
eSg 13 02.20
MNS 0.40 236 P 12 59.00 0.0
eSg 13 06.50
ASS 0.58 324 P 13 01.90 -0.6
eSg 13 11.00
AZI 0.66 160 P 13 04.50 0.3
eSg 13 13.90
ARV 0.90 351 P 13 09.20 0.5
eSn 13 21.80
SDI 1.04 150 P 13 11.80 0.8
eSg 13 26.00
CRE 1.33 320 P 13 16.50 0.3
eSg 13 33.00
SFI 1.61 325 P 13 19.90 -0.2
PGD 1.63 321 P 13 20.60 0.0
S.D. = 0.7 on 9 of 9 obs.

JUN 30, 1992 17h 14m 20.31± 0.67s
34.077 N ± 5.9km 116.376 W ± 5.1km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.9 (GS). MD 3.8 (PAS).

PEC 0.68 254 iPc 14 34.04 0.2
S 14 43.53
PLM 0.83 209 iPc 14 36.77 -0.2
SSK 1.10 277 iPc 14 42.01 0.4
ABL 2.47 289 ePn 15 02.13 0.0
eS 15 41.90
TPNV 2.87 2 ePnd 15 08.27 0.6
BCH 3.25 291 ePn 15 12.92 -0.2
PKEM 3.65 304 eP 15 18.69 0.1
PHAM 3.74 299 ePn 15 20.46 0.5
TNP 4.05 351 ePn 15 24.33 -0.2
BONR 4.17 339 ePnd 15 26.70 0.4
ARUT 4.40 32 ePn 15 28.59 -0.9
KVN 5.15 345 ePn 15 40.06 -0.1
ARN 5.32 309 eP 15 41.03 -1.3
MSU 5.58 36 ePn 15 46.24 0.0
DUG 6.74 24 (P) 15 58.52 -3.9X
SRU 6.88 41 ePn 16 05.28 0.7
S.D. = 0.6 on 15 of 16 obs.

& JUN 30, 1992 17h 26m 29.68s
34.644 N 116.656 W
DEPTH = 0.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.3 (PAS). 3.9 (GS).

PEC 0.86 209 iPd 26 45.84 -1.0
SSK 0.96 244 iPc 26 47.79 -1.2
PLM 1.30 188 iPd 26 53.89 -0.9
ABL 2.12 276 ePn 27 04.49 -2.6
eS 27 38.15
TPNV 2.32 8 ePnd 27 08.93 -1.0
BCH 2.87 282 ePn 27 15.30 -2.4
PKEM 3.16 298 (P) 27 19.83 -1.8
PHAM 3.29 292 ePn 27 21.59 -1.9
TNP 3.46 353 eP 27 24.69 -1.5
BONR 3.56 339 ePnd 27 26.51 -1.1
ARUT 4.07 39 iPd 27 33.44 -1.4
KVN 4.55 346 ePn 27 39.93 -1.6
ARN 4.79 306 ePn 27 42.48 -2.4
MSU 5.28 42 eP 27 50.49 -1.6
ORV 6.25 323 (Pn) 28 00.50 -4.9
eS 29 44.22
DUG 6.33 28 (P) 28 04.73 -2.0
SRU 6.63 46 (P) 28 09.33 -1.7
DAU 7.18 35 ePn 28 17.79 -1.0
HVU 7.75 22 (P) 28 25.30 -1.3
LBFM 7.86 330 ePn 28 25.07 -3.2
ULM 21.76 38 eP 31 24.00 -0.7
MBC 41.71 359 eP 34 22.00 0.7
22 obs. associated

JUN 30, 1992 17h 31m 15.03± 0.56s
34.969 N ± 4.8km 116.984 W ± 7.5km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.1 (GS). MD 3.1 (PAS).

SSK 0.96 218 iPd 31 33.82 0.0
PEC 1.08 188 eP 31 35.90 0.0
S 31 50.44
PLM 1.61 176 eP 31 44.50 0.1
ABL 1.84 267 eP 31 48.15 0.4
S 32 14.40
TPNV 2.06 17 eP 31 52.03 1.1
BCH 2.55 276 eP 31 57.44 -0.4
PKEM 2.77 294 (P) 31 58.71 -2.2X
TNP 3.11 357 eP 32 05.36 -0.5
BONR 3.16 341 eP 32 06.71 0.0
ARUT 4.01 44 eP 32 18.07 -0.6
S.D. = 0.6 on 9 of 10 obs.

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* JUN 30, 1992 17h 45m 51.20± 0.85s
48.800 N ±10.7km 10.403 E ± 7.6km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.7 (LDG). 2.4 (GRF). 2.4
(FUR).

FUR 0.86 137 iPgc 46 07.80 0.0
GRF 1.04 31 iPgc 46 11.00 0.1
eSg 46 27.50
CDF 2.11 261 Pg 46 25.90 -1.2
Sg 46 51.50
KHC 2.12 80 Pg 46 27.00 -0.1
Sg 47 02.00
BSF 2.60 249 Pn 46 27.30 -6.8X
Pg 46 34.80
Sg 47 07.10
HAU 2.82 255 Pg 46 38.30 1.2
Sg 47 14.10
PRU 2.95 65 eP 46 46.50 7.5X
eSg 47 28.00
LOR 4.65 253 Pg 47 13.20 10.1X
Sg 48 12.10
LBF 4.69 250 Pg 47 12.90 9.2X
Sg 48 12.50
SMF 4.93 246 Pg 47 18.30 11.3X
Sg 48 16.80
S.D. = 1.2 on 5 of 10 obs.

JUN 30, 1992 17h 48m 44.95± 0.62s
34.334 N ± 5.3km 116.480 W ± 6.2km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.4 (GS). MD 3.4 (PAS).

PEC 0.72 232 iPd 48 59.82 0.5
iS 49 10.08
SSK 1.01 263 ePn 49 05.35 0.6
iS 49 20.62
PLM 1.03 198 iPd 49 05.45 0.5
S 49 19.74
GLA 1.88 132 ePn 49 17.22 -0.8
ABL 2.32 284 ePn 49 24.22 -0.4
S 50 00.49
TPNV 2.62 4 ePn 49 29.71 1.0
BCH 3.09 287 ePn 49 34.21 -1.1
eS 50 23.17
TNP 3.79 351 ePn 49 46.55 1.1
BONR 3.90 338 ePn 49 46.19 -1.0
ARUT 4.24 35 eP 49 51.87 0.1
ARN 5.09 308 eP 50 03.33 -0.4
S.D. = 0.9 on 11 of 11 obs.

JUN 30, 1992 18h 24m 02.56± 0.53s
34.562 N ± 5.3km 116.613 W ± 5.5km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.1 (GS).

PEC 0.81 214 iPd 24 19.16 0.4
SSK 0.96 249 eP 24 21.98 0.6
S 24 35.29
GLA 2.12 135 eP 24 38.41 -0.7
ABL 2.17 278 eP 24 39.32 -0.7
S 25 12.79
TPNV 2.40 7 ePn 24 43.52 0.2
BCH 2.92 283 ePn 24 50.55 -0.1
eS 25 37.25
TNP 3.55 352 ePn 24 59.18 -0.4
BONR 3.65 339 eP 25 01.11 -0.1
ARUT 4.12 38 ePn 25 07.68 0.0
MSU 5.32 41 ePn 25 25.60 0.7
S.D. = 0.6 on 10 of 10 obs.

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* JUN 30, 1992 18h 36m 19.83± 0.68s
40.125 N ±13.8km 78.726 E ±22.1km
DEPTH = 33.0km (normal)
4.0mb (3 obs.)
SOUTHERN XINJIANG, CHINA (321)

GKN 13.04 156 P 39 25.20 -0.4
KKN 13.45 154 P 39 31.20 0.3
GUN 13.54 152 P 39 33.00 0.6
DMN 13.56 155 P 39 32.00 -0.4
PKI 13.69 154 P 39 33.40 -0.9
KMI 25.05 119 eP 41 44.00 1.2
NB2 45.29 321 P 44 36.20 0.3
0.7s 1.20nm 3.9mb
GEC2 45.91 304 P 44 41.50 0.5
0.9s 0.81nm 3.6mb
MBC 63.33 5 eP 46 46.00 -1.3
0.9s 5.00nm 4.6mb
S.D. = 0.9 on 9 of 9 obs.

% JUN 30, 1992 18h 37m 38.29± 0.82s
39.663 N ± 8.3km 27.453 E ± 7.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

BNT 0.78 27 iPg 37 53.40 -0.1
iSg 38 06.40
EZN 0.88 281 iPg 37 55.00 -0.2
eSg 38 07.50
DST 0.91 93 iPg 37 55.00 -0.7
iSg 38 08.00
IZM 1.27 187 iPn 38 02.20 0.3
YLV 1.73 58 ePn 38 09.40 0.8
S.D. = 0.8 on 5 of 5 obs.

JUN 30, 1992 19h 01m 18.53± 0.51s
34.501 N ± 5.0km 116.532 W ± 4.8km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.0 (GS). MD 3.3 (PAS).

PEC 0.80 221 ePd 01 34.31 -0.3
S 01 45.37
SSK 1.00 254 ePn 01 37.87 -0.3
S 01 52.30
GLA 2.03 135 (P) 01 54.14 0.4
ABL 2.24 280 ePn 01 57.67 0.6
TPNV 2.45 5 (P) 01 59.55 -0.5
S 02 38.19
BCH 3.00 284 ePn 02 07.44 -0.3
PHAM 3.44 294 (P) 02 13.85 0.0
TNP 3.62 351 (Pn) 02 16.79 0.2
BONR 3.73 338 ePn 02 18.83 0.5
ARUT 4.12 36 ePn 02 23.20 -0.5
MSU 5.32 40 ePn 02 40.98 0.1
S.D. = 0.4 on 11 of 11 obs.

JUN 30, 1992 19h 22m 35.16± 0.63s
32.532 N ± 4.3km 140.387 E ± 5.4km
DEPTH = 130.9 ± 5.3 km
4.9mb (55 obs.)
SOUTH OF HONSHU, JAPAN (211)

IIDJ 3.59 326 P 23 31.90 1.6
KAKJ 3.67 357 P 23 30.70 -0.6
S 24 13.70
CHJJ 3.69 342 P 23 32.10 0.5
S 24 14.30

30d 19h

WKYJ 4.35 294 iPd 23 41.80 1.3
MAT 4.39 336 eP 23 41.00 0.1
eS 24 30.00
MTMJ 4.57 333 P 23 44.40 0.9
TSRJ 4.73 311 P 23 46.80 1.3
NIIJ 4.83 347 P 23 46.10 -0.8
S 24 40.30
TKSJ 5.50 287 iPd 23 57.30 1.3
YAMJ 5.64 357 P 23 56.60 -1.2
eS 24 58.20
YONJ 6.34 297 P 24 08.80 1.3
OFUJ 6.62 9 eP 24 09.60 -1.6
S 25 18.90
SHNJ 7.93 284 P 24 30.30 1.4
AOMJ 8.01 360 eP 24 28.10 -2.0
KUMJ 8.07 273 P 24 33.30 2.4
KAGJ 8.19 263 P 24 34.10 1.6
MRRJ 9.89 3 eP 24 52.70 -2.5
eS 26 35.20
HOOJ 10.10 12 eP 24 56.10 -1.8
eS 26 40.20
KUSJ 11.09 17 eP 25 07.60 -3.3X
eS 27 02.10
ASAJ 11.70 8 eP 25 16.10 -2.9X
MDJ 14.71 328 eP 25 57.00 -0.8
CN2 16.24 318 eP 26 16.20 -0.7
1.2s 6.90nm 3.8mb X
epP 26 26.00
SNY 16.27 310 Pd 26 18.40 1.1
1.0s 18.00nm 4.3mb
SSE 16.39 270 Pc 26 19.00 0.2
0.7s 9.00nm 4.2mb
sP 26 52.00
NJ2 18.21 274 Pd 26 40.00 -0.8
0.8s 39.00nm 4.8mb
GUMO 19.30 167 eP 26 52.30 0.0
0.8s 754.30nm 6.1mb X
PJG 19.30 167 eP 26 52.70 0.4
GUA 19.35 167 Pn 26 53.00 0.0
0.8s 256.72nm 5.6mb
Pg 26 54.30
BJI 20.87 298 eP 27 07.50 -0.6
WHN 22.26 272 eP 27 22.50 0.5
1.5s 50.00nm 4.7mb
TIY 23.40 291 eP 27 33.10 0.0
S 31 32.00
HHC 24.48 298 Pd 27 43.40 0.0
1.0s 15.00nm 4.4mb
BTO 25.59 297 eP 27 53.50 -0.3
XAN 26.30 282 P 27 58.60 -1.6
0.8s 33.00nm 5.0mb
GYA 29.89 267 P 28 30.40 -2.2
LZH 30.28 287 eP 28 35.00 -1.0
2.0s 28.00nm 4.6mb
CD2 31.11 277 eP 28 41.40 -1.8
GTA 33.33 294 eP 29 01.00 -1.6
1.0s 9.00nm 4.5mb
CHG 39.52 260 ePc 29 52.70 -2.0
1.0s 21.25nm 4.9mb
NNT 42.13 251 eP 30 14.30 -1.8
WMQ 42.28 301 P 30 17.50 0.3
1.0s 14.00nm 4.6mb
GUN 46.90 279 Pd 30 52.80 -1.8
PKI 47.41 279 Pd 30 56.10 -2.5
KKN 47.44 279 Pd 30 56.60 -2.1
DMN 47.65 279 Pd 30 58.20 -2.1
GKN 47.91 280 Pd 31 00.40 -1.8
KSH 51.59 297 P 31 31.00 0.9
WB2 52.50 187 iPc 31 35.20 -1.6
0.5s 29.30nm 5.4mb
iPcP 32 46.30
WRA 52.50 187 P 31 35.50 -1.3
0.6s 10.90nm 4.9mb
CTA 52.62 173 eP 31 37.60 -0.1
1.2s 103.91nm 5.6mb
OIS 52.79 181 iPd 31 38.60 -0.3
0.8s 29.00nm 5.2mb
NDI 53.80 284 iPc 31 44.90 -1.5
0.6s 46.67nm 5.6mb
ASPA 56.22 187 eP 32 02.30 -1.6
0.7s 31.10nm 5.4mb
HYB 57.32 271 eP 32 11.00 -0.9
RMO 59.23 171 iPd 32 25.60 0.8
WARB 59.84 194 eP 32 28.50 -0.5
0.4s 4.00nm 4.8mb
MBC 61.08 16 ePd 32 37.60 0.7
0.5s 2.00nm 4.3mb

pP 33 06.00 116kmX
OUE 61.56 289 eP 32 41.80 0.9
ARMA 63.51 169 iPd 32 55.10 1.6
0.6s 16.00nm 5.1mb
STK 64.08 179 iPc 32 56.90 -0.1
0.6s 4.50nm 4.6mb
MAIO 64.95 298 eP 33 03.00 0.1
BWA 67.03 173 iPc 33 17.30 1.3
CAN 67.98 172 iPc 33 22.70 0.8
YKA 68.13 29 eP 33 22.80 0.3
0.5s 0.70nm 3.8mb X
TOO 69.90 176 eP 33 34.00 0.4
0.7s 14.00nm 4.9mb
KAF 71.92 333 iP 33 45.50 0.0
0.6s 13.10nm 4.9mb
NUR 73.53 332 iP 33 54.90 0.1
0.3s 6.30nm 4.9mb
HFS 77.84 336 eP 34 19.20 0.0
0.9s 16.60nm 4.8mb
Z 17s 0.03um 3.7MszX
LR 08 14.00
NB2 78.00 337 P 34 20.50 0.3
0.9s 10.00nm 4.6mb
OJC 82.30 326 eP 34 44.50 1.4
KSP 83.47 328 iP 34 50.20 1.1
0.8s 28.00nm 5.2mb
BRG 84.48 329 iPc 34 55.00 0.9
0.8s 18.00nm 5.0mb
CLL 84.57 330 iPc 34 55.40 0.9
1.0s 34.00nm 5.2mb
PRU 84.87 328 P 34 57.20 1.1
MOX 85.65 330 eP 35 00.90 0.9
1.5s 11.00nm 4.5mb
KHC 85.92 328 eP 35 02.20 0.8
GEC2 86.08 328 P 35 01.60 -0.7
0.8s 3.03nm 4.3mb
KBA 87.54 327 i(P) 35 09.80 0.3
0.6s 3.00nm 4.5mb
e 36 04.00
CDF 89.17 331 iPc 35 17.40 0.3
0.7s 2.45nm 4.4mb
LOR 91.47 332 iPc 35 28.10 0.4
0.9s 4.60nm 4.7mb
LBF 91.65 332 iPc 35 28.80 0.2
0.8s 4.05nm 4.7mb
LPL 91.69 329 iPc 35 29.50 0.5
0.7s 7.70nm 5.0mb
LPG 91.69 329 iPc 35 29.70 0.6
0.7s 9.50nm 5.1mb
SSF 91.78 332 iPc 35 29.70 0.6
0.8s 7.50nm 4.9mb
FLN 91.85 335 iPc 35 29.70 0.3
0.8s 5.50nm 4.8mb
LDF 91.87 335 iPc 35 30.00 0.5
0.6s 4.05nm 4.8mb
SMF 91.98 332 iPc 35 30.30 0.3
0.9s 6.40nm 4.8mb
AVF 92.06 332 iPc 35 31.00 0.6
0.9s 16.40nm 5.2mb
GRR 92.30 335 iPc 35 32.20 0.7
0.7s 7.95nm 5.1mb
BGF 92.45 332 iPc 35 32.90 0.7
1.0s 8.80nm 4.9mb
LPF 92.67 335 iPc 35 34.10 1.0
0.9s 13.25nm 5.2mb
SBF 92.68 328 iPc 35 33.00 -0.4
0.8s 9.40nm 5.1mb
MAF 92.83 332 iPc 35 34.90 0.9
0.7s 3.10nm 4.7mb
TCF 92.92 332 iPc 35 35.10 0.7
0.8s 4.85nm 4.8mb
LSF 93.22 333 iPc 35 36.40 0.7
0.9s 11.80nm 5.2mb
FRF 93.27 328 iPc 35 35.80 -0.2
0.7s 3.30nm 4.7mb
LRG 93.48 328 iPc 35 37.10 0.1
0.7s 5.50nm 5.0mb
MFF 93.56 334 iPc 35 38.30 1.0
0.9s 5.10nm 4.8mb
RJF 94.01 332 iPc 35 40.40 1.0
1.0s 10.40nm 5.1mb
CAF 94.10 332 iPc 35 40.90 1.0
1.0s 7.80nm 5.0mb
LFF 94.61 333 iPc 35 43.40 1.2
0.8s 5.10nm 4.9mb
ZOBO 149.54 65 iPKPc 42 13.00 6.1X
LPB 149.71 65 PKP 42 02.00 -4.9X

CNCB 149.97 65 PKP 42 15.60 8.1X
S.D. = 1.1 on 99 of 104 obs.

& JUN 30, 1992 19h 49m 18.63s
62.979 N 150.805 W
DEPTH = 106.8km
CENTRAL ALASKA (1)
<AEIC>.

TRF 0.53 26 iP 49 35.53 -0.3
eS 49 48.94
HUR 0.53 90 iP 49 35.27 -0.4
eS 49 48.06
KTH 0.58 355 iP 49 35.92 -0.1
eS 49 48.99
CUT 0.63 157 eP 49 36.12 -0.2
eS 49 49.51
RND 0.98 63 iP 49 39.35 -0.4
SKT 1.06 199 iP 49 40.09 -0.4
eS 49 56.47
MCK 1.13 47 eP 49 40.93 -0.4
PWA 1.40 162 P 49 44.00 -0.4
GHO 1.50 143 iP 49 45.52 -0.1
eS 50 06.48
SUA 1.52 179 eP 49 45.84 -0.2
SML 1.65 134 iP 49 46.62 -0.9
eS 50 08.99
NCG 1.70 202 eP 49 47.46 -0.8
CGLM 1.77 199 eP 49 48.77 -0.3
PMS 1.84 161 P 49 49.50 -0.4
S 50 12.30
BGL 1.88 204 eP 49 51.12 0.6
SPU 1.90 199 eP 49 50.57 -0.1
KNK 1.92 144 eP 49 50.01 -0.9
S 50 13.80
WRH 1.92 38 eP 49 50.26 -0.7
CKL 1.93 203 eP 49 50.69 -0.5
BKG 2.04 200 eP 49 52.17 -0.3
CCB 2.14 37 eP 49 52.79 -1.0
HDA 2.23 48 eP 49 53.73 -1.3
PTE 2.28 158 eP 49 54.28 -1.4
TOA 2.32 110 P 49 57.00 0.8
TTA 2.38 271 P 49 56.50 -0.5
PAX 2.44 88 iP 49 57.31 -0.5
SDG 2.46 98 eP 49 57.45 -0.6
SLKM 2.50 173 eP 49 57.83 -0.7
GLM 2.52 35 eP 49 57.96 -0.9
SVW 2.94 233 P 50 04.00 -0.6
CNPM 3.47 184 eP 50 10.64 -1.1
31 obs. associated

& JUN 30, 1992 20h 00m 25.44s
34.643 N 116.653 W
DEPTH = 0.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.3 (PAS), 4.0 (GS).

PEC 0.86 209 iPc 00 41.59 -1.0
SSK 0.96 244 iPc 00 43.52 -1.2
PLM 1.30 188 iPd 00 49.54 -1.0
ABL 2.12 276 ePnc 01 00.04 -2.9
eS 01 32.22
GLA 2.20 136 ePn 01 00.61 -3.2
TPNV 2.32 8 (Pn) 01 03.04 -2.7
iS 01 41.08
BCH 2.87 282 ePn 01 10.36 -3.1
eS 01 55.37
PKEM 3.16 298 (Pn) 01 15.86 -1.5
PHAM 3.29 292 ePn 01 16.37 -2.9
TNP 3.46 353 ePnd 01 20.35 -1.6
BONR 3.56 339 ePnd 01 22.32 -1.1
ARUT 4.07 39 iPnd 01 28.97 -1.6
eS 02 33.30
KVN 4.55 346 ePn 01 35.55 -1.8
ARN 4.79 306 ePn 01 38.09 -2.6
MSU 5.28 42 ePnd 01 46.10 -1.7
ORV 6.25 323 (P) 01 58.27 -2.9
DUG 6.33 28 ePn 02 01.81 -0.7
SRU 6.63 46 (P) 02 03.12 -3.7
EMUT 6.95 40 ePn 02 11.02 -0.3
DAU 7.18 35 (Pn) 02 12.23 -2.3
HVU 7.75 22 ePn 02 21.03 -1.4
Pg 02 51.16
21 obs. associated

JUN 30, 1992 20h 05m 06.22± 0.73s
34.004 N ± 6.2km 116.405 W ± 5.6km

DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.8 (GS). MD 3.9 (PAS).

PEC 0.64 260 iPc 05 19.39 0.4
PLM 0.75 211 iPd 05 21.17 -0.3
SSK 1.09 281 iPc 05 27.62 0.3
ABL 2.48 291 ePn 05 47.75 -0.3
TPNV 2.94 2 ePn 05 53.86 -0.8
BCH 3.26 292 ePn 05 58.55 -0.5
PKEM 3.67 305 (P) 06 04.21 -0.6
PHAM 3.76 300 ePn 06 07.05 0.9
TNP 4.12 351 eP 06 11.68 0.3
BONR 4.23 339 ePn 06 13.33 0.2
ARUT 4.48 32 ePn 06 16.31 -0.1
KVN 5.22 345 (P) 06 26.53 -0.5
MSU 5.65 36 ePn 06 33.57 0.4
DUG 6.81 24 (P) 06 49.91 0.5
S.D. = 0.6 on 14 of 14 obs.

JUN 30, 1992 20h 17m 30.87± 0.69s
34.215 N ± 6.1km 116.699 W ± 6.7km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.2 (GS). MD 3.1 (PAS).

PEC 0.50 230 iPd 17 41.29 0.4
SSK 0.82 270 iPc 17 46.53 -0.9
PLM 0.87 189 iPd 17 48.73 0.5
S 18 01.96
GLA 1.95 126 ePnd 18 04.68 -0.3
e 18 19.77
ABL 2.18 288 ePn 18 07.51 -1.0
TPNV 2.75 8 (P) 18 22.01 5.4X
BCH 2.95 290 ePn 18 18.52 -0.9
PHAM 3.44 299 (Pn) 18 27.62 1.4
TNP 3.88 354 ePn 18 32.47 -0.2
BONR 3.95 341 (P) 18 35.37 1.6
ARUT 4.44 36 ePn 18 39.86 -0.7
S.D. = 1.1 on 10 of 11 obs.

JUN 30, 1992 20h 20m 45.87± 0.53s
44.899 N ± 3.5km 6.800 E ± 6.6km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.8 (GEN).

RRL 0.02 331 P 20 47.28 -0.8
S 20 48.86
FOUF 0.37 182 ePg 20 52.20 -1.3
i(Sg) 20 59.65
RSP 0.41 52 P 20 55.64 1.3
S 21 03.30
PZZ 0.45 151 P 20 54.25 -0.8
S 21 00.91
LPG 0.60 357 Pg 20 57.90 -0.3
LSD 0.61 24 P 20 58.02 -0.4
LPL 0.62 356 Pg 20 58.30 -0.2
STV 0.75 150 P 21 00.06 -0.6
ENR 0.81 146 P 21 01.08 -0.5
FIN 1.22 124 P 21 08.37 -0.2
IMI 1.26 141 P 21 08.87 -0.5
PCP 1.29 105 P 21 10.63 0.7
FRF 1.34 185 Pg 21 11.40 0.8
LRG 1.48 193 Pg 21 14.30 1.8
LMR 1.58 188 Pg 21 14.80 0.9
S.D. = 1.0 on 15 of 15 obs.

JUN 30, 1992 20h 20m 54.99± 0.18s
44.883 N ± 1.7km 6.812 E ± 2.0km
DEPTH = 5.0km (geophysicist)
FRANCE (538)
ML 2.8 (GEN), 2.8 (LDG).

RRL 0.04 332 P 20 56.60 0.1
S 20 58.56
BNI 0.19 330 P 20 58.90 -0.1
eSg 21 02.10
RSP 0.41 50 P 21 04.30 1.0
S 21 11.49
PZZ 0.43 151 P 21 03.67 0.0
S 21 10.46
DOI 0.49 141 P 21 04.10 -0.7
eSg 21 12.50
LPG 0.62 356 Pg 21 07.30 0.0
Sg 21 16.50
LSD 0.62 23 P 21 07.57 0.1
LPL 0.64 355 Pg 21 07.60 -0.1
Sg 21 16.50
STV 0.74 150 P 21 09.63 -0.1
S 21 20.50
ENR 0.79 146 P 21 10.56 -0.3
S 21 21.94
RSL 0.82 351 Pg 21 10.89 -0.5
Sg 21 22.21
ORO 1.11 48 P 21 16.70 0.4
eSg 21 32.40
CKI 1.14 113 P 21 16.90 0.0
eSn 21 33.40
FIN 1.20 124 P 21 18.15 0.2
S 21 33.15
IMI 1.24 141 P 21 18.56 0.0
PCP 1.28 105 P 21 19.89 0.6
S 21 37.77
FRF 1.33 185 Pn 21 20.10 0.1
Pg 21 21.10
Sg 21 37.50
CDR 1.42 212 ePgc 21 21.20 -0.3
e(Sg) 21 36.90
e 21 38.90
LRG 1.46 193 Pg 21 23.20 1.1
Sg 21 43.30
LMR 1.56 188 Pg 21 24.40 0.9
Sg 21 45.10
SSB 1.66 285 Pn 21 24.57 -0.3
Pg 21 26.32
Sg 21 47.68
VAI 1.70 54 P 21 24.70 -0.6
eSn 21 47.50
BOB 1.88 93 P 21 27.70 -0.4
eSg 21 49.80
SMF 2.73 311 Pn 21 40.90 0.7
Sg 22 21.30
PGF 2.82 145 Pn 21 40.90 -0.8
LBF 2.89 318 Pn 21 42.60 0.1
Sg 22 27.40
BSF 2.95 360 Pn 21 43.20 -0.3
Sg 22 29.40
AVF 3.08 309 Pn 21 45.60 0.4
Sg 22 34.60
HAU 3.14 354 Pn 21 45.90 -0.1
Sn 22 23.10
Sg 22 35.50
LOR 3.15 320 Pn 21 46.70 0.5
Sg 22 34.30
SSF 3.17 315 Pn 21 46.80 0.3
Sg 22 35.90
BGF 3.24 302 Pn 21 47.80 0.3
Pg 21 56.40
Sg 22 37.30
MAF 3.27 296 Pn 21 47.80 -0.1
Sg 22 38.80
CAF 3.37 272 Pn 21 48.80 -0.6
Sg 22 40.20
TCF 3.52 295 Pn 21 51.40 -0.1
Sg 22 44.70
CDF 3.54 5 Pn 21 51.40 -0.5
Sg 22 55.30
RJF 3.77 278 Pn 21 54.50 -0.6
Sg 22 54.30
S.D. = 0.5 on 37 of 37 obs.

JUN 30, 1992 20h 22m 06.55± 0.75s
38.185 N ± 7.4km 30.084 E ± 5.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MG 4.1 (DDA). Felt at Isparta.

KHL 0.46 288 iPg 22 15.50 -0.5
iSg 22 27.50
ALT 0.87 1 iPg 22 22.50 -0.8
eSg 22 37.50
DST 1.82 322 iPn 22 39.30 1.1
GYN 2.22 13 eP 22 48.60 4.6X
NAL 2.23 25 eP 22 45.00 0.8
IZM 2.23 276 ePn 22 44.20 0.1
YLV 2.44 347 ePn 22 47.00 -0.2
BBTK 2.66 51 eP 22 50.00 -0.4
BNT 2.74 323 iPn 22 51.30 -0.1
CSS 4.14 140 eP 23 11.20 0.0
S.D. = 0.7 on 9 of 10 obs.

& JUN 30, 1992 21h 22m 54.44s
34.130 N 116.734 W
DEPTH = 12.5km
4.5mb (6 obs.) 4.0Msz (5 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.8 (PAS). Felt (III) at El Toro Marine Corps Air Station and (II) at March Air Force Base. Also felt at Riverside.

PEC 0.43 236 eP 23 02.35 -0.9
PLM 0.78 188 iPd 23 08.63 -0.9
SSK 0.80 276 iPc 23 09.13 -0.7
ABL 2.18 290 ePc 23 30.02 -1.1
TPNV 2.84 8 P 23 38.82 -1.7
BCH 2.96 292 ePc 23 40.70 -1.4
PKEM 3.37 306 eP 23 46.46 -1.4
PHAM 3.46 301 ePn 23 46.72 -2.4
TNP 3.96 354 ePd 23 55.56 -0.9
BONR 4.02 342 ePd 23 56.81 -0.6
ARUT 4.52 35 ePc 24 03.26 -1.1
KVN 5.03 348 eP 24 10.53 -1.1
ARN 5.05 311 eP 24 09.14 -2.6
MSU 5.72 39 ePn 24 19.82 -1.5
ORV 6.63 326 ePn 24 31.46 -2.5
DUG 6.81 26 eP 24 37.06 0.4
SRU 7.04 43 eP 24 36.92 -3.1
EMUT 7.39 38 ePn 24 43.20 -1.7
DAU 7.64 33 eP 24 48.81 0.4
HVU 8.25 21 eP 24 56.74 -0.1
ALQ 8.52 82 eP 24 59.01 -1.6
SHW 12.76 342 (P) 25 57.77 -0.6
LON 13.18 345 eP 26 03.57 -0.3
BMW 13.28 340 eP 26 07.96 2.7
DPW 13.77 356 (P) 26 12.16 0.5
RMW 13.85 345 (P) 26 12.89 0.1
MEO 14.99 82 iPc 26 27.50 -0.2
TUL 17.25 78 eP 26 56.30 -0.2
0.8s 41.70nm 4.6mb
LNO 17.25 78 eP 26 56.50 0.0
OLY 20.78 79 P 27 35.96 -1.7
CCM 20.94 72 eP 27 38.27 -1.1
1.3s 21.79nm 4.4mb
FVM 21.59 72 eP 27 45.08 -0.8
1.1s 27.47nm 4.6mb
ULM 22.21 37 eP 27 52.00 0.0
SIT 26.19 337 P 28 40.00 9.8
Z 20s 0.61um 4.1Msz
YKA 28.42 2 eP 28 51.50 1.1
1.1s 1.90nm 3.8mb
CEH 30.76 76 P 29 20.00 8.3
Z 19s 0.29um 4.0Msz
RSNY 33.92 59 P 29 50.00 10.8
Z 20s 0.20um 3.8Msz
PMR 34.37 333 (P) 29 45.75 2.9
0.6s 3.78nm 4.5mb
Z 20s 0.17um 3.8Msz
SDN 36.81 319 P 30 10.00 6.4
Z 21s 1.65um 4.8Msz
MBC 42.22 359 eP 30 53.50 5.3
1.4s 16.00nm 4.6mb
WRA 116.26 263 PKP 41 52.30 12.6
0.7s 0.40nm
41 obs. associated

& JUN 30, 1992 21h 24m 59.44s
34.132 N 116.732 W
DEPTH = 11.3km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.5 (PAS).

PEC 0.43 236 iPd 25 07.19 -1.1
PLM 0.78 188 eP 25 13.73 -1.0
SSK 0.80 276 ePc 25 14.03 -1.0
ABL 2.18 290 eP 25 36.04 -0.2
TNP 3.96 354 (P) 26 01.23 -0.3
5 obs. associated

• JUN 30, 1992 21h 29m 13.46± 1.20s
34.407 N ± 7.3km 116.461 W ±13.2km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.2 (GS). MD 3.3 (PAS).

SSK 1.04 259 iPd 29 33.23 -0.4
eS 29 48.05
PLM 1.10 198 iPc 29 34.92 0.2
TPNV 2.54 4 eP 29 55.69 -0.5

30d 21h

BCH 3.08 286 ePn 30 03.95 0.2
PHAM 3.53 295 (P) 30 07.96 -2.1X
TNP 3.72 351 ePn 30 12.84 -0.1
BONR 3.84 338 ePn 30 15.56 0.7
S.D. = 0.6 on 6 of 7 obs.

& JUN 30, 1992 21h 49m 00.29s
34.085 N 116.989 W
DEPTH = 3.6km
4.1mb (2 obs.) 3.9Msz (3 obs.)
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 4.4 (PAS).

PEC 0.24 217 iPc 49 04.83 -0.3
SSK 0.60 282 ePc 49 11.68 -0.6
PLM 0.74 172 iPd 49 14.13 -0.9
ISA 1.99 323 eP 49 34.02 -1.2
ABL 2.00 293 ePd 49 34.55 -0.9
BCH 2.78 294 ePd 49 45.38 -1.2
TPNV 2.92 12 eP 49 48.84 0.2
PKEM 3.23 309 eP 49 51.68 -1.1
PHAM 3.30 303 ePn 49 51.85 -2.0
TNP 3.99 357 eP 50 02.95 -0.9
BONR 4.01 345 ePd 50 03.78 -0.3
ARUT 4.68 37 ePc 50 12.67 -1.0
ARN 4.93 313 ePnd 50 14.42 -2.6
KVN 5.04 350 ePn 50 17.76 -0.9
MSU 5.89 40 ePnc 50 29.72 -0.9
ORV 6.55 328 ePn 50 38.06 -1.8
DUG 6.95 27 eP 50 46.29 0.7
SRU 7.22 44 ePn 50 49.25 -0.2
EMUT 7.56 39 eP 50 54.74 0.6
DAU 7.79 34 eP 50 57.76 0.2
HVU 8.37 22 eP 51 05.47 0.0
ALO 8.73 81 eP 51 08.31 -2.3
SHW 12.74 343 (P) 52 08.66 3.5
LON 13.17 345 (P) 52 12.98 2.2
RMW 13.85 346 eP 52 21.19 1.5
GMW 14.14 344 (P) 52 25.86 2.3
MEO 15.21 82 iPc 52 33.60 -4.0
SES 16.87 13 P 53 02.00 3.1
1.5s 2.00nm 3.0mb X
OLY 20.99 79 eP 53 46.31 -0.8
CCM 21.16 72 eP 53 48.11 -0.7
0.9s 7.43nm 4.0mb
ULM 22.37 37 eP 54 01.00 0.2
CEH 30.98 76 P 55 30.00 9.2
Z 19s 0.28um 3.9Msz
PMR 34.31 333 P 56 00.00 10.4
Z 19s 0.08um 3.5Msz
TTA 37.72 332 eP 56 17.98 -0.6
0.7s 2.80nm 4.1mb
HON 38.23 261 P 56 30.00 6.8
Z 20s 0.24um 4.0Msz
35 obs. associated

? JUN 30, 1992 21h 55m 14.36± 2.68s
3.443 S ±35.1km 143.050 E ±17.0km
DEPTH = 43.1 ± 29.8 km
4.3mb (3 obs.)
NEAR N COAST OF NEW GUINEA, PNG.(200)

WWKK 0.60 107 iPc 55 26.50 -0.1
MNDI 2.76 167 eP 56 02.00 4.6X
eS 56 47.80
YYYY 4.02 134 eP 56 20.00 4.8X
LAT 5.06 129 eP 56 33.70 3.9X
PMG 7.19 146 eP 57 00.00 0.3
OIS 17.34 191 eP 59 14.50 -0.5
e 02 25.50
WB2 18.47 207 iPc 59 29.10 0.2
1.0s 26.20nm 4.4mb
eS 02 50.60
KNA 18.63 228 eP 59 31.00 0.1
ASPA 21.96 203 eP 00 12.80 6.5X
0.6s 10.70nm 4.4mb
eS 04 04.80
RMO 23.56 167 eP 00 24.00 2.1X
STK 28.32 183 eP 01 06.20 0.0
0.6s 1.80nm 3.9mb
S.D. = 0.4 on 6 of 11 obs.

JUN 30, 1992 22h 09m 48.70± 0.85s
34.100 N ± 7.0km 116.921 W ± 7.4km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.1 (GS). Multiple event.

PEC 0.29 224 (P) 09 54.74 0.2
SSK 0.65 280 iP 10 01.15 -0.6
PLM 0.75 176 iP 10 03.70 0.1
ISA 2.02 321 ePn 10 23.43 -0.4
GLA 2.04 120 eP 10 24.09 0.0
ABL 2.04 292 eP 10 24.15 -0.2
BCH 2.82 293 eP 10 36.43 1.0
TPNV 2.89 11 (P) 10 33.13 -3.3X
S.D. = 0.6 on 7 of 8 obs.

& JUN 30, 1992 22h 54m 32.97s
34.137 N 116.851 W
DEPTH = 12.5km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.2 (PAS), 3.1 (GS).

PEC 0.35 227 iPc 54 39.75 -0.7
SSK 0.70 276 iPc 54 46.15 -0.6
iS 54 55.97
PLM 0.78 181 iPd 54 47.50 -0.6
GLA 2.01 122 ePn 55 05.80 -1.2
ISA 2.02 319 P 55 06.07 -1.2
ABL 2.08 291 ePn 55 07.52 -0.8
S 55 39.51
TPNV 2.85 10 P 55 22.57 3.4
BCH 2.86 292 ePn 55 19.19 -0.1
8 obs. associated

• JUN 30, 1992 23h 02m 08.42± 1.09s
28.611 N ±13.9km 52.584 E ±14.0km
DEPTH = 33.0km (normal)
4.0mb (1 obs.)
SOUTHERN IRAN (353)

SHI 1.03 357 eP 02 27.00 0.2
eS 02 52.00
RYD 6.60 235 eP 03 47.00 1.3
MJMA 7.05 249 eP 03 50.70 -1.3
GKN 28.19 83 P 08 00.00 -0.2
HFS 40.98 331 eP 09 49.50 0.0
0.4s 1.20nm 4.0mb
S.D. = 1.3 on 5 of 5 obs.

JUN 30, 1992 23h 21m 55.79± 0.64s
34.923 N ± 5.6km 117.028 W ± 7.5km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 2.7 (GS). MD 3.0 (PAS).

SSK 0.90 218 eP 22 13.67 0.1
eS 22 27.91
ISA 1.39 302 ePn 22 21.46 -0.5
PLM 1.57 175 iPc 22 24.04 -0.5
ABL 1.80 268 ePn 22 29.42 1.4
iS 23 00.23
TPNV 2.12 17 eP 22 32.42 -0.1
BCH 2.52 277 ePn 22 37.38 -0.8
GLA 2.61 135 ePn 22 39.64 0.2
iS 23 14.33
TNP 3.16 357 (P) 22 48.16 0.9
BONR 3.20 342 (P) 22 47.16 -0.8
S.D. = 0.9 on 9 of 9 obs.

% JUN 30, 1992 23h 27m 04.21± 1.07s
40.572 N ± 9.2km 27.566 E ± 7.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

BNT 0.35 128 iPg 27 11.30 -0.1
iSg 27 17.80
CTT 0.87 48 iPg 27 20.80 -0.2
iSg 27 34.80
EZN 1.21 232 iPg 27 26.70 0.0
eSg 27 42.50
DST 1.26 139 ePg 27 27.60 -0.1
YLV 1.38 90 ePn 27 29.80 0.3
S.D. = 0.3 on 5 of 5 obs.

& JUN 30, 1992 23h 42m 00.80s
62.788 N 148.932 W
DEPTH = 16.9km
CENTRAL ALASKA (1)
<AEIC>. ML 2.6 (AEIC).

HUR 0.37 301 iP 42 08.45 -0.2
iS 42 14.47
RND 0.62 3 eP 42 12.32 -0.6
S 42 20.78
CUT 0.73 239 eP 42 14.74 0.1
TRF 0.91 318 iP 42 18.04 0.2
S 42 30.60
MCK 0.95 360 eP 42 18.44 0.0
S 42 30.62
GHO 1.02 180 eP 42 19.23 -0.5
S 42 32.96
SML 1.02 164 eP 42 19.15 -0.6
S 42 32.98
KTH 1.19 311 iP 42 22.93 0.4
S 42 38.37
SCM 1.22 141 iP 42 22.17 -0.8
eS 42 39.26
PWA 1.22 202 eP 42 23.26 0.2
eS 42 39.38
KNK 1.40 171 eP 42 25.45 -0.1
eS 42 43.32
TOA 1.45 117 P 42 26.70 0.3
SKT 1.46 237 eP 42 27.20 0.8
S 42 46.64
PMS 1.58 191 P 42 28.70 0.6
SUA 1.58 213 eP 42 28.65 0.4
eS 42 50.58
SDG 1.59 98 iP 42 28.24 0.0
eS 42 48.18
PAX 1.60 82 iP 42 28.54 0.1
eS 42 48.37
DDM 1.71 53 eP 42 31.79 1.7
WRH 1.73 12 eP 42 31.66 1.3
eS 42 54.08
TZL 1.80 113 eP 42 32.07 0.8
NEA 1.80 358 eP 42 32.88 1.6
eS 42 56.37
HDA 1.85 28 eP 42 31.54 -0.5
DJE 1.92 48 eP 42 34.44 1.4
KLU 1.92 131 eP 42 33.28 0.1
eS 42 58.06
PTE 1.93 181 eP 42 34.90 1.7
CCB 1.93 15 eP 42 33.47 0.2
NCG 2.06 229 eP 42 34.98 -0.2
VLZ 2.07 142 eP 42 34.90 -0.3
CGLM 2.07 226 eP 42 35.55 0.1
CRP 2.15 226 P 42 38.20 1.6
FBA 2.18 13 eP 42 38.48 1.7
SPU 2.18 224 eP 42 38.31 1.4
BGL 2.24 228 eP 42 40.22 2.5
CKL 2.27 227 eP 42 38.88 0.7
BKG 2.34 224 eP 42 39.97 0.9
DOT 2.37 66 eP 42 42.05 2.5
SLKM 2.37 196 eP 42 41.93 2.4
HIN 2.67 153 eP 42 44.92 1.1
GLB 2.76 117 eP 42 46.47 1.3
39 obs. associated

JUN 30, 1992 23h 52m 51.17± 0.60s
34.055 N ± 5.5km 116.331 W ± 5.3km
DEPTH = 5.0km (geophysicist)
SOUTHERN CALIFORNIA (43)
ML 3.0 (GS). MD 3.1 (PAS).

PEC 0.71 257 iPc 53 05.30 0.0
PLM 0.83 212 iPd 53 08.07 0.3
iS 53 19.85
SSK 1.14 278 eP 53 13.02 -0.1
iS 53 31.25
GLA 1.61 128 ePn 53 19.93 -0.4
ISA 2.38 313 ePn 53 30.93 -0.7
iPg 53 35.91
ABL 2.52 289 eP 53 33.24 -0.4
TPNV 2.89 1 ePn 53 39.30 0.4
BCH 3.29 291 ePn 53 45.52 1.0
TNP 4.08 350 (P) 53 55.25 -0.6
ARUT 4.40 31 eP 54 00.81 0.5
S.D. = 0.6 on 10 of 10 obs.

STATION DATA REPORT FOR JUNE, 1992

1456 stations reported 78684 reading arrival groups

X = data received for this 6-hour time period

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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

AAE                               X         X X X    X        X           X  X                                     XX       X         X                X
AAI                                    X                                        XXXX                                                                  XX
ABA          X        X        X X  X     X XX    XX          X XX   X          X     XX       XXXXX       X  X X       X     X   X X XXX       X
ABH       X X       X          X    X                  X    X XX   X XXX                              X X     X          X   XX
ABL    XXXX X X XX X X XX X  XX XX        XXXX     X        XX       X XX    X X    X    XX   XXX XX   XXX   X XXX XXX XX   XXX    X XXXXXXXXXXX
ACI         X                  X X               X                X X      X                       X             X                  X X
ACO    X XXXX XXXXXX           X XXX  X  X   XX        X      XXX  X  X    X XXXX    X  X X   XX    X   XX  X   XX     XX XX    X     XX
ACR     X  X  X XX XX               X  X XX   XX                        X   X   X        XXX             XX   X X                    X                 X  X
ACTO        XXXXXX    X   X     X  XX X    X XX   X            X              XXXX       XX   XX   X                       X       XXXX  XXXX     X    X   XX    XX
ACU          X                          X                      XX               X        X           X                             X X    X       X    X

ACX    XXX X     XX XXX X       X  XXX XX X          XXX              XXX      X          XXX X  X  X    XXX   X     X     X     X X X XX XXXX
ADAT    XX       X                         X X            X   X    XX            X             X              X               X    XX  XX   X           X  X
ADE     X X    X        X          X         X X XX   X     XXXX   X    X XXXX      X                        X X X XX    XX   X  XX     X   XX X X
ADI                                            X            XXX     X        X                               X        X          X
ADK      XX      X  X     X     XXXX X XX XX    X   X     X X                XX      XX              X      XX  XX X X    X XX X X X        XXXXX
AFI     X  X        X   X    X         X    X XX X X X  XXX      X  X X X X X       XX   X XX X          XXX X        XX               X   XXX  XX      X
AFR              X                                                                   X                X   XX    X X                   X              X X
AGG     X X X X X X XXXXXXXX XX X   XXXXXX   XXX XX XXXXXX XXXXXXXXXXXXXX X X XX XXXXXX X    X X   X XXXXXXXXXXXX        XXX       XX
AGO           X X                X                             X             X                   X    X    XX              X  X             XX  X
AGX      X                            XX      X             X                X       X                   X        X               X    X         X XX

AIA    X XXX    XXXXX  X    X XXX     XXX XX      X  X     X X     X  X XXXXXXXXX   X   XXXX      XXXXXXXXX XXX X      X    X XX XXXXX X       X
AKU     XX X  XX                    XX  X                                X X  X                          XX         X   X   X   XX            XX
ALJ     X          X    X                    X          X  X       XX XX                   X  X                                  X    XX
ALN          XXX X X XX     X             XXX X X X    X XX     X X    X   X XXXXXX XX         XX     X XX  X        X     X XXXXX XX    X X X   XX X X
ALQ    XXXX XXXXXX X  X  XXXXXX XX XXX XXX XXX X  X XXX XX X X X XXXX  XX          XXX   XX  XX X X XXX  XX XX  XX       X  XX    X XXXX
ALT     X   X    X        XX   XX     X X X  X   XX XXX               XX   XX X X XX   XX      X X  X XX      X      XX         X   X X      XX X X XX  X
AMW     X XX X        X X XX               XX X   X           XX      X      X  X          XX                    X XX  X   XX    X   X    X
ANG              X               X          X          X XX   X               XX  X                 X           X                        X   X     X
ANM     X XXX X X  X     XXX XXX XX  X    XX X    XX XXX X        X XXXXX        X             X   X        XX            X XX X X             XX XX
ANN      XX  XX X  X    X        XX X  X  X X X    X  X X X  XX   X X  X X  XX                           X  X             X  X                 X  XX

ANT    X       XXXXX      XXXX    X X  X XXXXX  X     XX X XXX XX     X X                                XXXXX XX X X   XX    XXX XX    XXX X   X XX
AOMJ    XX       XX    X       X   X X          X  X     X X  X           XX X XXX     X      X X          XX X     X X        X                 X    X       XX
APA     XX    X      X    X         XX      X  X     X    X  XXX X  X   X X XX X   X                         X  X             X  X            X    X     X
AQU      X    X X        X      X    X            X     X  X X X     XXX X X   X XX            X         XX     X           X   X X           XXX   X  XXX
ARA0         X                                      X     X    X                   X       X      X X       X                   XX X XX X   X X   X
ARE    X  XXXXXX     X  XXXXXX XXX  X X   XX   X XX    X XXX XX XXXXX   XXXX XX   X          XX    X XXXXXX XX X X   XX    XXX X X    X XXXX X
ARMA    XXX XXXXXX X XX XX XXXX  X   X XXX XXXXXX X XXX    XXXXX XXXX X  X XX      XX       X XXXXX X XXXXXXX XX    X  XXX     XX   XXXX XXX
ARN    XXXX X XXXX X  XX   X  XX XX   X    XXXXX XXX     XXXX   X  XX X     XXX     X     XX   XX X X    XX X X XXX XXX XX    XX    X X XXXXXXXXXXXX
ARU     XXX X XXX   X XXX    X   XX      XX    X X X    X     XXXXX   XXX X X XXX    XXX             XX    X XXXX X XXX    X   X XX     X X XXXX XX
ARUT   XXXXXX XXXX XX   XX X   XXXXX XXX XX X X  X     XX X    XX   XX     XXXXX XX X XX XXX   XX XXXXXX XXXX XX XX     XXX X X XXXXXXXXXXX

ARV     XXX   XX XXXXX  XX   XX X X X X   X        X X       X X      XX    XXXX X XXXXX XX   X   X   X   X    X                 XX    XXX X   X X XXXX XX   XXX
ASAJ   XXX   XXXXX   X X XXX  X X  X X  X   XXXXX X X XXX   X   XXX XXXXXX  X        X X X  XX XXX     X         XX            X   X   XXXXXXXXX XX
ASH     XX X XXXX X X X   X  XXX    X  X X X X X X  XXXXX  X    X X XX X XX                 XX         X X  X XX
ASK                        XX    X                   X          X            X XXX    X  X                               X            XX   X                XX    XX X
ASPA   XXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXX
ASS     XX   XX XXXXX  XX   XX   XX XXXX       XX   X    X X X  X XX XXXXXXXXXX XXXXX  X   X   XXX X XX         XX XX X X   X X XXXX XX   XXX
ATE                                                X         X XX     X               X   X               X                          X         X          X
ATH     XXX     X X X XX   X     X        XXX          X     X X        XX X X      XXX          XX        XX   X   X  X XX X  X X X       X X     X
ATN    X X      X       X   X     X    X                 X        XX XX XX  X  XX XXX XXX   X           XXXX   X XXX                       X X X      XXXX       X XXX
ATZ     X                                X       X   XX             X       X     X                                                          X                            X

AUE    X XX            XXX        X  XX  X  XXX XXX      X X        XX  X XX                     XX         X        X XX X     X   X X       X     X       X
AUH                    XXX        X  XX  X  XXX XXX      X X     X XX      XX   X                XX         X        X X  X         X X       X     X       X
AUI    X XX            XXX        X  X   X  XXX XXX      X X     X XX  X XX                      XX X       X   X    X X  X         XXX       X             X
AUL                    XXX        X  XX  X  XXX XXX      X X     X XX  X XX  X                              X   X    X X XX     X   X X       X             X
AUP    X XX            XXX        X  XX  X  XXX XXX      X X     X XX  X XX  X                   XX X       X        X X  X     X   X X       X     X       X
AURF     XX   XX          X                                  X       XX   X          X                                        X         X            XX X
AUTN     XX   XX          X                                  X       X    X          X                                                  X            X  X
AVE     XX    XX XXXXXXX  XX   XX       XX X XX XX  X      XXXXX  X  XX XX        XX   XX   XX   X   X XX X  XXX   X XXX XXXX XXX   X  XX     X
AVF    XXXXXXXXXXX       XXXX X XXXX XX XXX  X X X  XXXXX   XXXXXXXXXXXX XX   X      XXXXX XXXXXX XX XX X XX XXXXXX XXXXXXXXXXXXXX XX
AYN    X XX    XXXX              X         X  X      X  X X X X X  X X X  XXX  X  X      X X     X     X X X X  XX X X X        X X  X          X X  X

AZI           X X       X     X                                              X XX                  X        X    X     XX X XX X X        XXXX X     XX
BAI           X                 X X                                        X    X    X             X   X    X                 X  X
BAK     XX  XX XX X             X            X X    X  X        X   X X     X X                         X X            X                  X X    X  XX
BAL     XXXX XXX   X  X X XX XXXX  X         X    XXX XX X  XXXXXXXX X X X X X X   XX      XXXXX X X X XXX XX XXXX          XX XXX        X
BALM    XX XX X XX X XXXXXXXXXXXXX XX XXXXXXX XX XXXX X    XX X XXXXXX  X            X     X X  XXX X X XXX XX XXX XXXX     XXXXX
BAO                                                                                      XX   XXXX XXXXXX   XX X        X     X X        XX
BBS     XX    X X                   X    X                 X    X           X X  X                                        X     X     X X        XX   X
BBTK    XX  XXXXXX  X    XXXXXX     XXX XXX X    X XX X XX XXXXX X  XXX   XX XX      X XX    X XX X XXX  XX XX XXXXXX X XXX XXXXXXXX
BCAO   XXXXXXXXXXX XXXXXXXXXX XXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXX XXXXXXXX  X XXXXXXX XXX     XX XXXXXXX XX   XXXXX XXXXXXXXXX XXX
BCH    XX        XXX    X XX XX XX XX  XX X X      X    X XX X    X       X X   X    XX      X XX   XXX XX XXX     X XX            X XXXXXXXXXXXX

BCP        X     X  X          X  X                             XX     X   XXX  X         X  XXX     XX      XXXXXXXX X X    X X  X   X   XX
BCZ          X                                 X         X          X                       XX     X     X X                   X      X           X
BDI       XXX X XX     X X                    X XXX X    XX     X  X   XXXXXXXXX  X   X X XX XXXXX XX       X   X     X XX XX X     X X XXXX   XX   XX
BDT    X XX       XX    X  XXX XXXXXXX XXX XXXXXXX XXXXXXXX   X XXX X   XXX       X          X     X      XX X X XXX XXXX XXXXX       X XXXXXXX
BDV    X XXX XX X  X       XX         X XX    X    X    X      X       XXX     XXX   X XX  X   X   X   XX   X XXX               XXXX   X XX           XXXX X     XX
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

BEO     X   XX XX X   X      X X      X        XX X      X     X  X X     X X       X       X           X  X          X X
BER      X                   X                    X                  X       X  X                           XX  X       X
BFD     XXXXX XX   X  X XX XX X  X   X X   X   X  XXXX    XXXX XXXX X  XX X     X  X    XX   X X        X  X        XXX
BGF   X XX XXXXXX X     XX XXXXXX XX XXX  X   X XXXXXX    XXXXXXXXXXX  X  XX    XXX X X XXXX     XXXX XX XXXXXX XXXXXXXXXXX X  X
BGL   X XX        X XXX   X X XXX  XX XXX XXX  X XXX     XX X XX XX   X  X       XXX XX     X XX  X XXXXX  X  XXX X X X   X    X  X
BGR                       X X          XX    XX  X   X    X             X  X        X   X         X XXXX   X  X X X X X   X    X  X
BHB     XXX    XXX  XX          X  X  X    X X   X X X    XX       X X  X   X  XXX  X
BHG     XXX  XX X  X   X       X XX X   X  X X  X  X X X X  XX   XXX  X          X   X      X        X X X      X          X   X
BHL   X XX   X XX X            X        X X X   X  XX XX  XXX X X  X X          X X         X      XX   X  X  XXX        X   XXX
BIM   X X     XX         X XXX  X         X      X  X XXXX X     XX   X                                  X         X  X  X     X  XX

BIP       XXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXX XXX XXX XXXXXXXXXXXX
BISH  X  X   X X      X       XX       X   X   X                   X                                           X
BJI   XXXXXXXXXXXXXXXXXXXXXXXXXX XXXXX XXXXXXX XXXXXX XXXXXX XXXXX  XXX XX XXXXXXXXXXXXXX XXXXXXXXX XXXXXXX X XXXXXXXXX  X X
BKG   X           X XXX   X X XXXX XX XXX XXX     XXX      XXXX XX XX  X  X       XXX XX     X XX  X XXXXXX X  XXX X X X   X    X  X
BKM    X   X XXXXX  XX XXXX  X  XXXXXXXXX XX XX  XXX X X XXXX XX XXX X X XX  X  X X     XX                XXXXXXX X XXXXXXX X XX X
BLA       X   X            XX XX     X                  X        XX X               X                  X X    X    X   X XX
BLF      X  XX          X     X      X  XX  X XX       X         X XXXXX  X        X     X  X          X XXX              XXXXX X X
BLW     X X  X       X X XX                  XX       X        X      X       X          X        X X      XXX  X X    X   XXX  X  X    X X  X      X
BMG   X         XX        XX  XX  X      X    X    X  X      X     XXX XX     XX        X  XX      X  X X      X     X     X X X XX  X
BMR     X X  XX X                                      X X         XX X                          X      X    X    X                X

BMW   X XX      X  X     X X  XXXXX XXX XX    X      X  X        X     XXXX                     X  X XX X XXX  XX XX  XX   X X   X XXX    XX
BNH          XXX          X      X X  X             X X         X XXXX  X                    X  X X           X X  XXX
BNI   XX X  X XX       X       X X  XX  XX  XX  X  X XXX    XXX  X XX X  X    XXX  X  X    XXX XX    X   XX X X X XX X XXXX X X    X
BNS      X  X X  X             X X       X       X   X   X         X     X                     X       X   X  XX XX    X    X
BNT   XXX XXXX X    XX  XX XXXX XX XXX XXXX X XX  X XXX XXX XXXXXXX XXX XX XXXXXXXX XXX XXXXXX   XXXXXX   XXX XX  XXXXXXX  XXXXXX
BOB     XXXX XXX       X           X  X    XX X   X  X X X  X XXXXXXXX X XX     X    X          X X          X    XXXX XX X XXXX  XX   X
BOD     XXXXX XXXX X XXX XXXXXXXXX XX  X X X XXX  XXXXX    XXXXX X XXX  X X       X      X XXXX X XXX    X XX XX    X X XXXXXXX
BOG   X         XX X     XX  XX XX     X    X   X  XXX    X     XXX XX      X          X  XX   X XX  X X      XX   XX   X X X X XX  X
BONR  XXX  X XXXX X    XXXXX X XXX  XXXXXXXXXX                               X    XX XXXXXXX  XX XXX XXX  XX XX   XXX X X XXXXXXXXXXX
BPA               X       X    X         X    X  X XX  XXX         X XX  X              X             X              X XX   X   X

BRD       X XX X X X                X                              X       X                      X  X     X       X
BRG   XXXXXXXXXXXXX  XXXXXXXXXXXX XXXXXXXXXXXX XXXXXX XXXXXX XXXXXXXXXX  XX   XXX XXXX XXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXX XX
BRLK  X                      X  XX  X  XXX X X                      X                    X       X X
BRN    X                               X                   X         X    X                     X         X  X           X
BRT      X  X X    X    XXX     X X             X       X X      X  XXXXXXX  XX      XXX X X X     X X XX X  X X       X       XXX
BRW      XX X X X  X     XXX XXX X  XXX XXXXXXX X  XXX X  XX  X X XXX    XX         X  X  X X XXXX       X XX   X         XXXXX
BRY   X XXX XX X XX     XX      XX XX   X   X   X     X X  XXX    XXX  X XX  X  X  X  XX  X XXX          XXXX  X XX      XXXX X    XX
BSF     XXX  XXXXX X  XX XX XXXXXX XXX X X X  X  XXX X  XXXXX XXXXXX XX     X  XXXXX XX XXX XX X  X XXXXX XXX XXXXXXXXXXXXX  XX
BSK                   X           X        X XX  X          XX  X                   X                       X
BSZ      X  X       X             X      XX       XX   X   X X        X X    X           XXXX X X  XX  XXX  X  X   X            X

BTH     X    X X      X       X  X        X          X         X X  X                  X                  X    X    X   XX
BTO     XXXXX XXXXXXXXXX XXXX XX X XXXXXXX XXXXX  XXXXX  XXXXX X  XX    XX XX     XX XXX XX XXXXXXXXX X XXXXXX  X X XXXXXXX    XX
BUC1            X  X   X       X X  X   X X X
BUD   X         X  X           X X      X       X                X     X  X                                X          XXX
BUL   X XX   XXXXX  XXX XX XXXX X     XXX XXXXX  XXXXX XX XXX X XXX  X X    X  X    X XX XX X  X X XX XXXXX   X X    XX XX   X
BUS     XX X  X X XX XX        X X  XXX  XXX   X          X       X  XX     XXX       X XX  X X           X     XX X  X X    XX  X
BW06                                            X  XXXXX X XXXX  XX X    X        XXX   XX XX XXX XXX  XX X     X  X X     XX     X
BWA     XXX  XXXX  X  X XX XX XX                                                 X XXX X    XXXXX X XXX XXX   X   X X XX   XXX   XXXX X X
BWN                X  XX    X X  XX      X X XX    X XX        XX                                         X
BWZ      X    X        X X  X     X      XX     X    X XX    X       X             XX            XX                  X

BZS     XXX  XXXXX XX XXX X X    X X X    X     XX   X X  XX                XX     X       X
CACH     X X XX    XX XXX  X  X                    X XXXXX XX XX            XX    X XXXX XX XXXX           X    X X    X  X  XXX  XXX
CAF   XXXX XXXXX          XX  XXXXX XX XXX  X   XX XXXX X  X XXX X XXXX XX  X     XXXX XXXXXX XX X  X XX XXXXXX  XXXXXXXXXXX X XX
CALN     X   XX        X                                 X      XX  X        X                                          XX X
CAN     XXX  XXXX   X XXXXXXXX XX                                                X XXX X    XXXXX X XXXXXXX  X   X XX   X X  XXXX X X
CAR   X                               X       X        X         X      X  X       X    X XX            XX   XX    X  XX XX
CAW     X XX X  X    X X XX      X       XX X   X       XXX    XX   X XX  X   XXX    XX XX    XXXX  X  X  X XXXX  X  X    X X  X      X
CBN           X X           X  X  XX  XX  X          X    X     X  X X                  X              X XX  XX  X X   X XXX
CCB                 X  XX   X X  XX   X X X XXX  X XX                                      X     XXXXXX X      X X     X       X
CCH   XXXX XXXXXX    XXX XXX XX     X XXXX XX  XX  XXX  XX XXXXXX  XXX XXX X X XXX XXXX        XXX XXXXXX  XXX XXX XXX XXX XX X

CCM     XXXXXXX XX XX X  XXXXXXXXX XX  XXX X X X   XXXX XX X X X XXXXX XX          XX  XXX XXXX X  XXX XX      XX   X X    XXXXX   XX
CD2   XXXXXXXXXXXXXXXXXX XXXXXXX XXXXXXXXXXXXXXXXXXX XXXXXX XXXXX    XX          XXX  XX XXXX XXXXXXXXX XXXXXX  X X  XX XXX  XXX
CDD   X XX           XXX   X X  XX  X  XXX XXX    X X    X XX  X XX  X           XX X      X  X  X XXXX X X  X X       X          X
CDF   XXXXXXXXXXX X  XXXXX XXXXXX XXX X X X  XX XXXXXX   XXXXX XXXXXX XX  X X   XXXXX XX XXX  X X XX XXXXXXX X XXXXXXXXXXXXX  XX
CDR     XXX  XXXXX  XXXXXXXX  X       XX XXXXX XXXXXXX    XX  XX XXXX XXXX  X XX XX       XXXXXXXXX XXX XXX XXX       XXXXXXXXXX
CEH     XXX XXX XX X     XXXXX XX XX  X X X X X   XX X XX X X X X XX XX XX       XX   X             XX  XX           XXXXX   XX
CEI              XX              X                                              X             X             X           X XXX
CEOS  X                X   X                    X        X X XX          X  X       X                   XX  X
CER            X X      X    X          X                            X           X          X                         X
CEY     XXX XXX    X  XXX        XX        X X   X  XXX X XXXXX  XXXXXXXXXXX  X   X  X  XX XX      XX  XX XX XXX    X XXX   X  X

CFA       XXX XXXXXXXXXXXX     XXX X   XX XXXXXX X XX XXXXX X                        XXXXXX XXXX XXXX  XXXXXXXXXX     XX XX  X XXXX
CFR                X       X    X  XX  X     X   X  X X X         XX X X   X  X X         X X   XXX  X       X       X X  X   X
CGA                                                      X               X          X                     X   XX          X    X
CGLM  X  X        X XXX   X X  XX  X    X  X X     XXX                  X  X      XXX XX    X      X XXXXX  X  XXX X X X   X     X  X
CGP   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXX
CGX      X X        X    X     X  XX  X  X        X            XX     X                   X    X          X X     X X
CHCH     X X XX   XXX XXX X   X       X XX XXX   XX XXXXX XX XX       XX     X XXXX XX XXXXX          X    X X    X  X  XXX  XXX
CHG   XXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXX XXXXXXXXXXXX
CHJJ    XX  XXXXXX X X   X  XXXXXX XX X  XXXX  X XX X     XXXXX XXXXX XXX  X X X X    XX  X X    XX     X  X XX    X    XXXXXX   XX X
CHTO           XXX X XXXXXXXX XXXXXXXXXXXXXXXX  XXXXXX XXXXXXXXX XX   X   XXX X  XXX XX  X X    X          X    X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

CIN   XXXX XXXXXXXXXXXXXXX XXX XXXXXX XXXXXX XXX XX X  XX XXXXXXX XXXX X   XXXXXXXXXXXX XX XX     XX XXXXX XXX XXXX  X XXX
CIT    XX XX XXX  X X X XXXX  X   X   X X X  XX  X      X X X X XXX  XXX       X     X XX X X XX     X XX  X      X  XXXXXX
CKI     X    XX               X  X X      X  X    XXX    XX  XXX  X  X      X  X          X             X   XX      X XXXX       XX
CKL   X XX       X XXX    X X XXX  XX XXX XXX  X XXX     XXXX XX XX  X  X      XXX XX     X  X  X XXXXXX X  XXX X X     X     X  X
CKN   X  X       X XXX    X X XXX  XX XXX XXX  X XXX     XXXX XX X   X  X      XXX  X     X  X  X XXXXX  X  XXX X
CLI   X                        XX                               XXX        X                  XX  X      X        X
CLL   XXXX XXXXXXXX  XXXXXXXXXXXX XXXXXXXXXX XX XXXXXX  XXXXX X XXXX XXX XXX XXXXXXXXX XXXXXX XXXXX XXXX XXXXXXXX XXXXXXXXX XX
CLLP  X  XXXX  X          X  X        X       X   X   X        XX         X                       X  X        X  X  X   X X   XX X
CMCZ         X                        X      X  X X   X   X                       X    X XX X       X    X   XX       X
CMP    XXX  XX          X       XXXX X

CMS    X X  XX XX X  X XX  X X XX   XXXXX XXXXXXXX X X  XXXXX X XX X   X X    XX     X  XX X X XXX XXX XX  X  XX   XX XX X
CN2   XXXXXXXXXX XXXXXX X XX XXXX XX XXXXXXXXXXX XXXXX  XXXXX XXXXX   XX X   XXX    XXXXXXXXXXXXXXX X XXXXX   X X XXXXXXX XXXX
CNB    X X  XX X  X  X  X  X X      X X X X        XX X   X XX X XX     X       X        XX X X X X  X   X  X  X      X X X
CNC8  XXX         XXXXXXXXXXXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXX     XXXXXXXXXXXXXXXXXXXX
CNIL   X                                     X       XX                    X                X               X
CNPM  X XX         XXX    X X XXX  X  XXX XXX    XXX     XXXX XX XX                                  X                   X    X  X
CNZ    X X  XX      X           X        XX            X
COL                         X        X            X             XX                          X   X            X            X
COLM    X X       X    X      X  XX   X
COOL   XXXX XXX   X  X X XX X XX  X          X    X X XX X  XXXXX X  X X    X       X        XXXX X X X      XX  XXX          X X

COP                                    X X          X  X   X X X  X   X        X        XX
COZ    XXX                     XX X   X     X X X X   X          X    X  X      X              XXX  X  X   X
CP8              X          X          X        XX  X           XX  X         X           X                XX   X
CPD   X  XXXX  X            X         X        X   X  X          X         X                     X  X        X    X   X X   X
CPKM  X X          XXX    X X XXX  X  XXX X X  X X XX   XX X XXXXXXXX  X      XXX  X    X    XXXXXXX X XX X X       XXXXX   X
CRE     XX  XX XX XXX X   XX    X XX X XXX X X  X   XXX  XXXXXXXXXX XXXXXXXXXXXXX XX X  XXX  X  X    XXX  XX X              XXX
CRM   X X     XX      X X XXX  X          X   X X  X X XX X   XX     X                      X        X  X         X  XX
CRP   XXXXXX X XX XXXX X XXXXXXXX XXXXXX XX    XX XXX      X XXXXXXXX  X      XXXX X  X X XXXXXXXXXXXX XX  XX X      XXXXX X  X
CRPM  X XX         X XXX    X X XXX  XX XXX XXX  X XXX    XX X XX XX  X  X      XXX  X    X  X  X XXXXX  X  XXX X      X    X  X
CRZF   X      X XX X               X     X   X    X  X    X        X XX      X               XXX X XX    X  X  X

CSI     X  XXX           XX       X  X       X    X       X X XX  XX  XXXXXX  XX     X  XX      X  X XX     X X  X X     X XX    X XX
CSS   XXXX XXX X X    XXX    XXXX XX  XXX XXXX    XXXX XX  XXX X X XXXX X XX XX XX    XXXX    X  XXXXXX  X XX XX    X  X X   XXXXXX
CSY    X  X XX X X       XX XX X  X  XX XXX X XXX X XXX                X    X X             XXXX X XXXX X  XX  X         X XXXX  X
CTA    X X X X  XXXX XXXXXXX  X X    XXX XX  XXXXXXXX XXXXXXXXXXX XXX X X              XXXXXXX XXXXXXXXXXXXXXXXX XXXXXXXXX XXXX
CTI    XXX  XX X       X   X  X X X  X  XX   X    X  X X X XXXXXXXX  XXX XX     XX X   X       XX X      X XX  X XX  XX X XXXX XXX X
CTT    XX  XXX XX   X  XX XX           X XXX XX XX    XXXX XX    XX XX X X XXXXX X  XXXXXX  XX   XX   X X XX    XXX X  XX XXX
CUM    X                                                     X                      X X  X             X     X X X X X XX
CUT   X            X XXX    X X XXXX XX XXX XXX  X XXX    X XXX XX XX  X  X      XXXX X     X XX  X XXXXX  X  XX  X X      X    X  X
CVA   X X         X  XXX      X XXX       XXX X X  X X        XX  X XX  X  X      XX X      X  X  X XX XX  X   XX   X      X     X
CVL   X   X XX X  X        X  XXXXX XX  XX  X         X X    X      XXXXX            XX   X  X XXX   X    XX X   XX    X    XXXX

CVO              X X XX X          X  X    X    XX  X                                X                         X  X  X           X
CZI     X  XXX           XX     X X           X            X XXXX  XXX XXXXXXX XX    X    X X    X  X   X X   X XX XXX     XXXX
DAG   X XX X                                 X X X X X XX X XX XXX XXXX X  XXX      XX      X  XXXXX
DAU   XXXXXXXXXXX XX    XXXXXXXXXX XXX XX  XXX X  XXXX  XX   XX X XXXXX XX X    XXX    XX XX X X XXX   XX XX XXX  X   XXXXXXX    XX
DBN    XXX      X  X           X               X          X          X    X                   XX     X    X  X   XX         X  X
DCN    XX  XXX X         XX    X  XX XX  X     X   X  X   XX X  X    X XX    XX        X        X X    X    X X XX  XX    X  XXXXX
DDM                         X        X X X XX   X            X    X                X       X         XX  X                      X  X
DEG   XX XX XX X       X X XX X    X XXX X    X XX      XX     X X XX       X        XXX    X    XX     X        XX X XXX     X XX      X
DEV          XX X       X          X                    X         X     XX          X       X  X         X       X     X         X X
DFR   X XX         X XXX    X X XXX  X   XXX XXX   X X X   XXXXX XX XX  X                                X X    X  X     X X        X

DIW      XX X      X X                   XX      X      XXX    X    X  X   X  X X     X X       XX      XX  X  XXX  X       X     X     X
DIX     XX X X X        X        X      X              X  X X X       X X XX X XX             X         XX         X XX X X X  X  XXX
DJE                  X        X   X   X X X          XX          XX      X                          X         XXX        X     X          X  X
DL2     XX X XXX  X         X  XX         X X X X X  XXXXX  X    X X XXX     XX X    X    X    X XX X X XX  X X  X  XX        XXXXX
DLA            XX            X            X                          X X                                      X      X     X   X  X
DLF    XX  XXX X         XX      XX XX  X   X    X    XX X  X     X XXXX  X          X        X X    X    X X XX  XX     X  XXXXXX    X
DMK    X   XXX X     X  XX  XX  XX X X X X      X   X X     X   X  X X X  X  X  X  X
DMN   XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XX
DMU    XX  XXX X         XX   X  XX XX  X    X    X    XX X        X XXXX XX X        X        X X    X    X X XX  XX     X  XXXXX
DOG              X          XX     X  XXX X    X       X     X X XX  X    X      XX             X        X      XX

DOI    X X   XXX        X           X  X X       X  X     X X    XX          X  X    X X  X  X      XX X         XX XXX X  X X     XX        X
DOT                 X      X                X                                X                    X X      XXXX  X     X X X              X  X
DOU                                                XX                             XXX X     X  X  XXXXX XXX  XX XXXXXX X XX X XXXXX
DPW   X XXXX X XX X       XX XXXXX XXX XXX    X     XX X   X X X X X  XX X      X   X   XXXXXX XX    XX X  X X  X X   XXXXX     XX
DRA          X  X              X  X          X X       XX                       X           X               X  X             X
DRV           X                X          X X X X X  X               XX      X               XX X X XX             X         X
DSI     X  XX                   XX     XX          XX  X X   X X  X X            X       XX        X           X
DST   XXX XXXXXXXX XX  XX XXXXXXXXX                             XXX XXX X XXXXXXXX  XXX XXXXXX XXXX XX  XXXXXXX XX XXXX XXXXXXX
DSZ     X  XX      X X X          XXX       XX    X  XX X X      X        XXX     X  XXX     XXX  X XXX  XX        X           X
DUG   XX XXX XXXX X     XXXXXXXXX XX  XXX X X X  X XX  XX   X    XXXXX X      XX    XX XXXXXX XXX  XX XX   X   X X XXXXXXXXXXX

DUI   X  X X   X  X   X         X       X   X X X     XX     XX XX XXXXXXXX  X       X  X  XX   X   XXXX XXXX X      X X       XXX
DVR    XX  XX X XX                   X X  X   X  XX      X                    X
DZM    XXX XXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX XX XXXXXX XXXXXX XXXXXXXXXX XXXXXXXX XXXXXXXXXXX XXXXXXXXXXXXXXXXX XXXXXXXXXXXX X
EAB              X                   X        X   X                X                                 X  X  X          XX
EALH                                  X            X                X    X X             X            XX X        X   X X
EAU           X X              X     X             X                X                                 X  X  X          XX
EBAN                            XX         X       XX X     X  X X  X    X XX         X X  X          X  X  XX       X X
EBH           X X              X     X             X                X                                 X  X  X          XX
EBL           X X              X     X        X    X                X                                 X  X  X          X
EBR                                                X        X    X   XX X X    X X    X XX     X    XX   XX X X    X   X XX   X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30
--------------------------------------------------------------------------------------------------------------------------
ECB    XXX   X X            X X   X     X X      X  X    X X XX  X                X    X     X XX  XX    X  XXXXX   X
ECH    XXX  XX           X X  X            X   X     XX  X X  X  X  X     X        XX    X X   X     X X     XX  XX
ECHE         X       X   X    XX X X          XX          XXX    X           X XX   X  X       X  X      XX XXX
ECOG         X           X XX X   X     X        XX X     XXX   X XX           X
ECP    XXX   X X            X X   X     X X   X XX  X    X X XX  X                X    X     X XX  XX    X XXXXX
ECRI        X            X    X  XXX             X  X    X  XXX             X      X  X      X  X   X    X   X XX
EDC    XX   XXXX   XX  X  X   XXXX  X XX X X XX X XXXX XX  X   X  X X X X      X    XXX X XX     XX  X  XXX X
EDU          X              X     X          X  X          X                                     X  X       XX
EEO   X XXXXXXXXX XX X  XX  XX XX XX  XX  X X X   XXXX X  X   X XXXX  X     X XX   X  X XXX   X   XX XX X X  XXXX XXXXXX
EGD      X               X  X                 X                XXX   X  X                  X     XX  X         XX   XX X
--------------------------------------------------------------------------------------------------------------------------
EGRA         X           X XX X   XX              X     X  XXX              X  X   X           X  X   X    X  XX XX
EGUA         X                          X        XXXX      X X     XX                  X X   X     X  X   X    X XXX XX     X
EHOR         X X X   X   X X   X        X         X XX   X  XXX    XX              X  X X  X  X X  X  X        X X X XX
EHUE                       XX XX  X              X       X   X                     X  X X  X          X   X    X XXX X
EJIF         X X         X  X XX        X        XX XX   X  XXX    XX              X  X X     XX    X  X  XX   XX X X X
EKA   XXXX XXXX  X X XX X  XXXXXX XXXXXXX XXX  X XXXXX XX  XX XXXX X XX  X     XX  XXXXXXX X  X  XXXX XXXXXXXXX XXXXX  XX
ELF          XX          X        X              X             X X                             X      X  X X   X  X
ELL     X  XXX  XXX   XXX   X X XXXX  X XXXX XXX    XX X XXXXXXXXXXX X
ELO          X X            X     X         X    X             X                               X  X  X         XX
ELUQ       X X       X       X                  X    XX XX                X         X    X       X                X X X X
--------------------------------------------------------------------------------------------------------------------------
EMM                      X        X            X           X XX                X    X  X X        X X    X            X
EMON        X  X              XX   X       X  X      X     X  XX                         X        X  X   X    XX   X X
EMS      X   X X            X  X      X   X  X X X    XX  X X  X  X                     X              X X        X
EMUT  X XXXX XXX  X    XX  XXXXXX  X  XX  X X X  X X X     X    X X              XX   X  XX   X XXX  XX  X  XX    X XXXXXXX XXXX
ENH          X           X        X            X           X  XX    X                  X X X
ENIJ         X                                                X X                         X        XX X   X    X   X X       X
ENN    XXXXXXX X  X     XX XX XX XX XX   X  X  XX                   X  XXX   X  X X  XXXX X X XXXXX XXXXXXXXXXX X XXXX X X
ENR    XXXX  XXXX  XX       X  X  X   X X   X X X    XXX   XX X  X   X  XXX  X        X  X XX XXXXXXX X XXX  XXXX XXX   X
EPF   XX         X         XXXX XX  XX  X    XXX X XX    XXX X X XX XXX X      XXX X XXXX      X    XXXXX XX  XXXXXXXXXXX X
EPLA        X  X     X   X   X XX XX  XX    X  X  X  X  X     X  XXX     X     XX   X  X X  X XX X  X  X   X    XX  XX XX
--------------------------------------------------------------------------------------------------------------------------
EPRU         X X     X   X   X     X        X        XX XX   X   XX      X          X  X X             X   X    XX XXX XX
ERE     XX XXX XX    X   X  XX X  X  X X X   X  XXX X  XX   X X XX X XXX            XXXX X XX    X  X  X        XXX XXX
ERUA                        XX   X       X  X  X  X       X  XX                X      X  X       X  X  XX   XX   X XX
ESCF                                      X     X XX   X        X  X          X                 X     X     X
ESK          X           X        X              X       X   X                         X             X  X         X
ESY          X X            X     X         X    X           X                                   X  X  X          XX
ETA    XXX   X X            X X   X     X X     XX  X    X X  X  X                 X     X     X XX  XX    X XXXXXX
ETOR   X     XX       X X  XX      XX XXX                X  XXX             X  X XX X X  X           X            X
EVAL                  X        X X      X        XX XX   X  X X     XX             X  X X      X X  X  X   X    XX   X XX
EVIA         XXX      X X  X   XX X X   X       XXX X    X  XXX   X XX         X        X  X  X    XX X  XX    XX XXX XX     X
--------------------------------------------------------------------------------------------------------------------------
EWZ    X X  X  XX  X X X  X  X     XXXXX X  XX  XXXXX X X      XX   X   XXX         X  XXXX   X X
EYL    X  X                       X                          X  X X X    X                 X         X X  X     X      XX
EZAM                                        X  X    X     X                             X  X    X             X   X X
EZN   XXXX XXX X   XXX XX  X   XX X   XXX  X XX   X X  XX  X XXXXX X X XX   X XXX  XX  XXX XXXX XX XX  XXXXXX  XX XXX  XXXXXXX
FAM   X X                  X      X     X        X   X  XX  X                              X         X  X              X X
FBA    XXXXXXX X XXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXXX  XXX X   XXX X XX XXXXXX XXXXXXX XX  XX X XX  XXXXX XXXX
FCC   X XXXX X  X XX  X XXXXXXXXXXXX  XXX X X X  XXXX  XX X X X XXXX  X       XX       XXXXXX  X X XX XX X X  XXX  XXXXXX  X
FCH          XX  XXX XXX  X  X X  X  X XX XXX   XX XXXXX XX XX          XX    X XXXX XX XXXXX          X    X X    X  X  XXX  XXX
FDF   X X      XX      X XXX  X      X     X X  X X XX X      XX   X                X      X     X          X XX  X      XX  XX
FEL    XXX XXX X  XX X     XXX X   X       XXX XX XXXXX  XX   X X  X  XX XX   X XX  X  XX XX X X  X   X XXX XX     XX XXXXXX
--------------------------------------------------------------------------------------------------------------------------
FHC     X      X     X  X  X                X        X  X        XX                 X    XX X    X  X   XX XX  XX    X  XX  XXX
FIN    XXX   XXX   XX         X             X X    X X X    XX      X X  X   X   XX                XX XXXXX XXX XX   XXXX XXX   X
FINC   XX XX  XXXXX X  XXX XX   XXXXX XX XXX XX X X     X XX  XXXX X XXXX      X      X X      X XXXX   XX X X  XXXXXXXXX   X X
FIR     XX XXX X  X   X     XXX    X X   X   X    X X   XXXX X XX X      X X          XXX         X   X XXX    X XXXX XX
FKO         X  X  X       XX XX  X  XX  X   X   XX   X  X   X  XXX   XX        X                                      X
FLN   XXXXXXXXXX  X     XX   XXXXX XXXXXX  X  XX XXX XX  X   XX X XXXX XX  X    XXX X XX XXX X  XXXX XXXXXXXXX  XXXXXXXXXXX  XX
FNA    X X  XX XXX XXX XXX XXX XX    X         XX X XXX   X  X X XXXXXXXX                                                XXX
FNO     XX XX X  X        X XX  X  X   X   X   XX          X X               X        X       X   XX X    X   XX    X XXX X
FOO          X       X     X          X      X     X  X      X                           X      X    X         XX   X
FORT         XX  X XX XX   X  X   X XXX X X X XXXX X  XXXXX  XXX X X X X XX   X    X  XXXX X X X
--------------------------------------------------------------------------------------------------------------------------
FOUF   XXX    XXX      X X                  XX   X    X     XX X    XXXX   X X  X  X          X        X       X  X     XX     XXX
FRF     XXX XXXX    XXX X     XXX  XXX  X  X X X  X X X  X XXXXXXX  X XX   X  XX XX    XXX    X    XXXXXXX X XX X XXXX XXX   X
FRO          X       XX    X            X        X    X  X        XX X                     X     X    X    X   X  XX   X
FRS                    X    X       XX  X X   X  XX     X  X XX X   X        X     X  X XX     X    X  XX                XX
FRU                                          XXXX  X X X X XXX  XXX          XX        XXXX X X     X  X XXX  X X    XXXXX
FUR     XX  X  X     X     X XX X   X  X    X  XX  X X  X X XXX  X  X   X         X        X          X X        X       X  XXX  X
FVI    X X  XX         X   X  X X   X X   X   X  X X X X XXX XX  XX XX  X    X   X        XX X     X XX  X XX  X  X XXXX  X  X
FVM    XX  XXX XX XX X  X XXXX XX X    XXX X   X   XXXX X  X X X XXXXX XX       XX  XX  XXXXXX  XX  XX XX XXX     X    XXXXX   XX
GAR     X X XXX  X   X   XX XXXX  X  X X X X X  X X X  XX     X  XX    XX           X        X XX X XX         X  XX  X XX    XX
GAZ         XX  X     X     X  X                                  X X       X       X        X XX    XX X         X      X      X  X
--------------------------------------------------------------------------------------------------------------------------
GBTN  X                X   X   X                X               X              X        X           X     X     X   XXX X   X
GBZT   XXX  XX XX X X XXX   X      XX X X                  X  X  X  X  XX  XX  XX    X   X   XX   X   X  XXX X    X X      X XX
GDH     XX X XX X  X    X X  XX XX  X  XXX X X X  X   X X    XX X XX X  X             X XX                X   X
GEC2  XXXXXXXXXXX X XX XXXXXXXXXX XXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XX  X XXXX XXX
GHO   X X          X XXX   X X XXXX XX XXX XXX  X XXX   XXXXX XX XX  X  X      XXXXXX     X XX  X XXXXX  X   XXX X X X    X     X  X
GIB     X          X                            X X                X X  X        X  X X             X
GIBL             X                          X  X      XX               XX X               X               X   X          X
GKN   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
GLA    XXX X X XX X X XX X  XXXXX  XX XX XXX  X  XX X  XX  X  X  X X        XX  XXX XXXXXXX XX XXX  XX XX    XX     X XX XXXXXXXXX
GLB   X          XX  XX   X X XXX   X XXX X X  X XX    X XXX  X X    X  X       XX XX      X XX     XXXXX  X   XXX X X      X     X  X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

GLD             X                   X                     X          X              X    XX               X   X          X
GLM               X  XX   X X  XX     X X XX    XX     XXX    X  X        X        X XX    XXXXX X   X X X    X    X  X
GMTN                       X     X                               XX        XX  X  X X        X X  X X X X  X X
GMW    XXX   X XX X    X X  XXXXX  X  XX      X  X XXX XX X X X XXXX  XX      X    X   X  XXX XXX  XX XX   X    X   XXXXX   XX
GOL   XXXXXX XXXX XX     XXXXX     X  XXX XXX X  XXX X XX  XX X XXXX  XX       X  XX  XX XXX XXX  XX XX  XX  X X   X XXX
GPA    XX      X  XX   X  X     XX  X XXX    XX X        X XX XXXXX    X    X  XXX   X   X                             X
GRBF   X                    X    X   XX       X               X  X  X                                          X
GRF   XXXX XXXXXX X  XX XXX XXXXX XXXXX XXX      XXX X XX XXX X XXXX XXX XX  XXXX XX XXXXXXXX XXXXXXX XX XXX XX XXXXXXXXXXX X
GRG   XX   XXX XXX XXXXXX XX X X  XX XXX  X X XXXX XXXXXX    X X X  XXX X X XX XX  XX X    X  X XXXXXXX XXXXXXX   X X X   X XXX
GRI         X X              X                            X X    X            X      X          X  X X        X

GRO    XXX  XX X  X    X   X  XX    X  X X    X  X X X  X X X X XX X XXX        X        XXXX X XX    X  X  X   X X X X  X
GRR   XXXXXXXXXX  X    XXX    XXXXX XXXXXX  X    X XXX XX  X  XX X XXXX XX  X    XXX X X  XXX XX XX X X XX XXXXXX  XXXXXXXXXX     XX
GRS    XXX XXXXXX X    X   XX XXX  XX  X X X  X  XXX X  XXX X X XX X XXX        X        XXXX X XX    X  X XXX  X X
GRT             X               X  XX  X  X          X   X            X                                           X
GRW   X                                            XX     X              X X          X                X   X        X
GTA   XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXX XXXXXX XXXXX  XXX XX  X XXX XXX XXXX X XXXXX X XX XXX XX XXXXXXXXX  XXX
GUA    XXX XXXXXXXXXXX  X XXXXX X  XXXXXXXX XXX  X XX X XXXXX XX XX   XX     X   X  XXXXXX  X XXX XXX XX XXX  X X   X XX X X X
GUAN  X                  X  X                 X      X        XX  XX           X  X        X                      X  XX
GUD    X    X  X     X X X  XX XX XX XXX             X  X     X  XXX      XX      X XX   X  X    X  X  X  XX   XX XXX XX   X
GUMO   XXX XXXXXXXXXXX  XXXXXXX X  XX XXXXXX  X  XXX   XXXXXX XXXXX XXXX     X   XXXX  XXXX X X   X X XX XXX    X   X XXXX XXX

GUN   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
GYA    XXX XXXXX  XXXXXXX XXXXXX  XX  X XXXXXXX  XXXXX  X XXX X XXX   XX        X X   X XX X X XX   X X XXXXXX  X X  XXXXXX X XX
GYN     XX  XX X X                  X X      XX XX   X      X   X   X    X                          X  X      XX     X   X
GZH     XX X XXX  XXX   X XX XX       X X XX  X   XXX   X    X X  XX    X         X       XX X X XX    X  X XXX       X   X   X
GZR                                                       X                               X  X   X  XX  XX         X   X
HAU   XXXXXXXXXX  X XXXXXX XXXXXX XXX XXX X   X  XXX X  XXXX  XX XXX XX    X  XXXXX XX XXX XX X  X XXXXXXX X XX X XXXXXXXX  XX
HBF          X X            X  XX  X  X       X               X  X X                X  X             X    X    X   X XX
HBZ    X XX X  X    X X X             XXX X  XXX      X    X    XXX   XX  XXX   XX         XXX XX X  X XXXX  XX X   X XX       X
HCK                                   X X X   X     X     X X     X  XX
HCY   X XXX XX X XX     XX      XX XX   X   X   X     X    XXX   XXX  X XX  X   X  X   XX  X XXX         XXXX  X XX     XXXX X   XX

HDA               X  XX   X X  XXX    X X XXX  X XX    X XXX    X   X          XXX        X XX    XX XXX X    X X X     X    X  X
HFS   XXXXXXXXX            XXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX    XXXXXXXX XXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXX XXXX XXXXXXXXX
HHC   XXXXXXXXXXX XXXXXXXXXXXXXXX  X XXXX XXXXX XXXXXX XXXXXX XXXXX    XX XX      X XXXXXXXX XXXXXXX X XXXXXX  X X XXXXXXX XXXX
HIA             X             X       X              X          X  XX                    X             X             X
HIN   X X        X  XXX   X X XXX  X  XXX XXX  X XX    X  XX  X X   X  X       XXXXX      X  X  X XXXXX  X  XXX X X     X    X  X
HKC    X     XXX  X X      XX X     X  X X X   X     X     X X X X  XX  XX         X       XX   X XX    X  X X X X        X   X
HLW    XX       X          X  X       X X X    X       XX    X   X      X               XX   XX       XX  X  X   X      X X    XX
HNR   XXXXXXXXXXX  X X XXXX  X X     XXXXXXX XX XXXXXXX  X   XXX XX XXXXXXX     XXXX XXX XX  XX XXX  X XXX X XXX XXXXX X   XXXX
HOF    X      X  X     X  X   X  XX   X X    X  X X            X  X  X                   X       X X X              X  XX
HOFF    X   X                X X   X                 X     X  X          X                 XX                      XX  X

HOM   X XX         XXX      X  XX  X  XXX XXX    X X    X XX  X XX  X          XXX X     X  X  X X XX   X  X X     X        X
HON    XXX X X XX X     X XXX        X X X X X   X X XX   X X  X    XX         X         XX X X  XX    X  X  XX    X   X XXX   XX
HOOJ  XXX  XXXXX XX X XXX  X X    X  X XXXX   X XXXX       XX XXXXXX XX   X  XXXX    XXXXXXX X X      XX     X X  X XXXXXXXXXX XX
HPI          XXXX       XX  XXXXX  XX XX  XXX       XXX     X X   XXXXX  X       X   X  XXXXXX  XX       XX   X
HOL   X XX   XXXX              X      X  X    X X  X X X X X  X X X  XXX  X  X    X X   X   X X X X  XX X X X    X X  X       X X  X
HRI    XX  XX XX        X      X  X XX X  X X   X XXXXX  XX  X X XX X            X                 XX X X XX  X          XX
HRT    XXXX XX XX  XX   XX XX X X  XXX  X     XXXXX  XX    X XX X  X     X    X  XX    X  XX
HRV    XX    XX XX X      XX X       X X X X X     XXX XX    X X X  X  XX        X    X  XXXX X  XX    X XX  XX     X   X XXX   X
HUR               X  XX   X X XXXX  X XXX X X  X XXX    X XXX  X X    X  X       XXX  X     X XX    XXXXX  X     XX X X     X    X  X
HVAR         X X  X X XX     X X          X X   X      XXX XXX X  X    X XXX XX        X  XX  X          XX       X        XX       X

HVU   XXXXXX XXXX XX X XXXXXXX XX  X  XX  X X X  XXXXX XX         XXXX XX          X    X  XX XXX XXX  XX XX  XX     X  XXXXXX  XXX
HYA        X          XXXXX  X           X         X  XX  X X        XXXX  X  X     X                X         XXX XX      XX   XXXX
HYB     XXXX X XX X XXX X XXXX X X XXXX XXXXX X XXXXXX XX  XX X XXXX XX   X      XX  X  X XX X X    XXX XXXXXX XXXXX XXXX X X  X
ICR          X    X          X      X     X   X         X      X  X     XXX        X                  X   XX X  X X   X
IFR          X  X X  X           X XX XX XXX  XXXXXX     XX  X  X    XXX  X    X  X      XXXX     X  X  X XXX X      X X
IGT    X X XXX X   XXX XXXX XX X  X  XX       X  X XXX  X    X X X  XXX X X X      X         X X    X XX X X    X        X        X
IHA   X       XXX X    X  X    X    X      X                                          XX XX X    XX             X          X X      X
IIA    X          X            X  XXX X        XX             X                                      X  X       X     X X X      XX
IIDJ   XX  X XXX  X X    X  X XXXX XX      XXX    X XX X    X  XX X XXX XX    X X X         X  X      X         X            X     X
III   XXXXXX X X      X     X                                                     X X      X    X X  X    X    X     X X X XX  XXX

IISM  XXXX X X XXXXXX XXX  XX XXXXXXX X   X      XXXX   X X    X XXX XXXX        XX X XXXX  X   XXXX  X   XX    X    XX XXX XX  XXX
IIT   XXXX   X XX XXX XX   X  XXX XX X           XXX               XXX   X          X   X X  X   X     XXX  X    X    X    X X X XX  XXX
ILT    XXX XXXXX  X XX   XXXXX      XX  X X X  XX  XXXXX  X  XX X XXX  XXX        XXX    X XXXX X X X    X XX XXX  X X  XXXXXX
IMA    XXXXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXXX XXXXXX  XXXXXX XX XXXXXX X XXXXX XX XXX XXXX  XXXXXX  XX
IMI    XXXX  XXXX  XX            X  X        X X     X X X    XX      X X   X    X   XXX                 X XX XXXXX XXX XX   XXXX XXX   X
INE   X XX         XXX      X  XX   X  XXX XXX    X X    X XX XX XX  X  X        XXX         X  X  X XXXX   X  XXX X   X    X     X
INW   X XX            X     X   X   X  XXX XXX    X X    X XX  X  X  X  X  X        XXX X      X  X  X XXXX   X  X X     X    X     X
IPM    XXX  XXXX  XXX X X XXXX XXX    X X XX XX  XXXXXX X XXX X  X X X          XXXXX     XX    X XX X   X XX             XX X XX
IRK     XX X XXX  X X     XXXX XX    X  X X X XXX  XXXXX  X    X X  XX    X X        X  XXXXXX XXXX    X   X X X  X XX XX XXX
ISA             X       XX XX XX XX  XXXXXXXXXX X      X XX    XXX  X X  XX   X    XXX XX XXXXX X XXX X   XX    XX    X XXX    XXXX X

ISK    X     X XX   X  XX XXX XXX  XX X       X       X    X X  X       X  X       XX    XX    X  X         XX  X    XX      XX X  X  X
ISR     XX  XX X X     X          XX X   X      XX X   X   XX   X     XXX   X             X        X  X  X            X
ISSF                                          X       XX   X           X X           X                                   X     X
ITR                                            X   XX XX XX X XX  XXX  XX X   X XX X X X XXXXX XXX  XX XX  XX  XXX  XX XXXX XX
ITU     X    X    X          X    X   X   X           X   X    X
IVA   X XXX XX   XX    X       XX XX    X   X   X    X X  XXX    XXX  X XX  X   X   X   XX  X XX          XXXX  X XX      XXXX X    X
IVS                X X     X  X      X   X     X X   X        X                          X                 X            X      X
IZI    XXX XXX X   X    XX XXXXXXX XXX X   XX XXXXXXXX   XXXXXX XXXX X X XXXXXXXXXXX X X    X X XXXX   XXX XXXXX
IZM   XXXX X XXXXX XXXXXX XXX    XX XX XXXXXX XX    X XX XX XXX XXXXXX X XXX X    XX  XXX X X X  XXXX X    XXX XX     XXXX  XXXXXXX
JACH     X X XX  XXX XXX  X  X X     X XX XXX      X XX     XX             XX     X XXX   XX XX XX           X
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------------------------------------------------------------------------------------------------------------------------------
JARJ    X                    X X      X  X                    X                     X       X           X           X X
JCR     X X  X XX X             X X        X          X   X  X  XX     X        X XX                 X   XX X    X   XX  X XX
JNE               X      X   X   X  X                  X                   X            X     X                  X  X    XX
JNW               X      X   X   X  X                  X                   X            X     X           X      X  X    XX
JSC   X X XXXX XX X     X  XXX XX  X  XX   X   X    X X XX     X XX XX       XX   X  XXX X   X  XX X  XX    X   X XXX
JVI     X    X XX       X      X  X  X XX         XXXXX  X X X                       X       X XX   XX           XX    X
KAF   XXXX   XXXX X X XXXXXXXX    XXXXXXX X XXX  XXXXXXXXXXXXXXXXX X XX  XX  X XXXXXXX XXXX X XXXX  XXXXXXXXXXX X XXXXXXXXX  X
KAGJ   X XXX XXXXXXXX   XXXX X      XXXXXXXX    XXXX  X  XX X X  XXXX X  X   X         X X    X X  X     X X   X X   XX  X X
KAIM              X       X X  XX     XXX X X    X        X         X         X  X        X  X     X X        X  X X
KAKJ   XX XXXXXX  X X   X  X XXX  XX     XXX   X XX X    X  XX XXXXX  XX   X X X      XX  X      XX    X   X X    X   XXXXXX   X X
------------------------------------------------------------------------------------------------------------------------------
KAS                          X  X    XXXX  X      XXXX XX XX   X XXXXXXX  X   X                X XX XX   X  XXXX XXXX  X
KAT     XX X XXXX X   X             X  X X X   X  XXX X  X    X X  X   XX                     X  X XX    X   X  X     X   X  XX
KBA    XXXXXXX XX     X XX XXXXXX XXX XX XXX  XX X X X X XXX  XXXXXX XX XX X   XX XXXX XXXXXX XXXXX X XX XXX XX X XXXXXXXX X X
KBS        X   X  X X                          X      X    X    X    X    X                  X       X   X  X X  X    X   X
KCT   XXX  XXX XXX X   XX XXXXXXXXXXX XXXXXX XXXXXXXXX XXXXXXXXXXX XXX X XXXXXXXX  XXX XXXXXX XXXXXXX   XXX
KDC     XXX  X X  XXXX      XXXX X X  XXXXXXX  X XXX  X X XX  XXXX X    X        XX X   X X   XXXXXX XXX XX X X     X  XXXXX X
KDS                          X XXX     XX X  X X   X               XX    XX X      X X  XXX   X          X  XX    XXX X X X
KEK    XXX     X X   XX  XX   X  X             X         XX X     X X X   X        X X X  X  X X XX XX X X X     X X     XX
KER   X                        X             X    X     XXX      X    XX                X    X XX X  X   XX  X         X       X
KEV     XX   X XX X X XX X   X     X   XXX X X X  XXXXX XXXX X                           X       X      XX  X X   X  XX
------------------------------------------------------------------------------------------------------------------------------
KGM    XXX  XXXX  X   X    X X XX     X X XX XX   XX X  X XXX X  X X               X  X    XX   X X     X  X           X
KGT    XX  XXX         XX  XX  XX XX    XX  X        XX                           XXX    X  XXXXX XXXXXXX  X X
KHC   XXXXXXXXXXXXXX XX XXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXXXX XXXXXXXX X X XXXXXXXXX XXXXXX XXXXXXXXXX XXXXXXXX XXXXXXXXXXX
KHKI                                       XXX         X X X  X X X             XX   XX               XX      X   X  XX X  X X
KHL    XX       XXX      X       X XXX   XX XXXXXXX X  XX XXXXXXX X                      X       XX      XX X   XX  XX X   XX  X
KHO    XXX X XXX  X XXX X
KHT     XX    XXXX X   XX    XXX X X  X X X XXX XXXX XXX  X XX  X  XXX   XX       XX      XX   X X    XXX XXX      X X XXXXXX
KHZ    X XX XX X   X X X  X    X    XXXXX X  XX   XXXXXX XX    XXXX  XX  XXX    X  X X  XXX     XX  XXXXXX  X XX   X XX         X
KIC   X XX    XXX  XXXXXXXXXXXXXX  XXX XXX XXXX   XXXXXX  X   XX X XXXXXXX        XXX XXXXXXXX X XXX  XX   X XXXX XXX XXXXXXXXXXX
KIS     XX  XX XX X   X       X  X  X  X X X  X  X X X  X X X X X    X   X              XXXX     X    X   X          X X X X X
------------------------------------------------------------------------------------------------------------------------------
KIV    XXX XXXXXX X X X   X  XX   XX   X X X   X     X     XXXXX X XX X                     XXXX X XX     X  X  XX        XXXXXX
KIW      XX X  X   X X XX          XX X   X       XXX   XX   X XX  XX  XXX   XX XX   XXXX  X XX  X XXXX  X   X    X X  X      X
KKM   X  X   XXX  X       XXXX    X   X XXXX  X  XXX X  X X    X   XX        X X      X    X X  X  X X             X X X   X
KKN   XXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
KKS         XX  X X   X      X          X  X               X  XXX X X  X      X   XX  X          XXXX   X         X     XX
KLB     XX  XX    X  X XX  XXX  X         X   XXX XX X   XXXXXXX X X X  X X  XX      XXXXX X X X   X XX  X X         X X
KLI                 X X     XXXXXX                                    X
KLM              X               X        X X X  X    X X X    X X                     X        X                   X
KLU   XXX XX X XXXXXXXXX XXXXXXXX XXXXXXXXXX  XXXXX   XXXXXX XXX XXX  X      XXXXXX   X XXXXXX XXXXXXX XX XXX XXXX    XXXXX X  X
KMI   XXXX X XXXX XXXXXX XXXXXX X XX XXXXXXXXXX XXXXXXXXXX XX XXXXX   XX   X    X X  XX XXXX X XXX X X XXXXXX   X X XXXXXXXXXXXX
------------------------------------------------------------------------------------------------------------------------------
KMR     X    X X               X          X   X               X  X X                 X      X   X  X   X        X
KMY      X  X         X                        X X   X           X X               XX           X      X X X        X     XX X
KNA   XXXX                          X XX XXXX  XXXXXXXX XXXXXX     XXX  XX  XX X XX XXX XXXX  X X X   X  X  X XX     X  X    XXX
KNK   X XX       X XXX    X X XXXX XX XXX XXX  X XXX   X XXX XX XX  X  X     XXXXXX    X XX  X XXXXXX X  XXX X X X  X     X  X
KNT   XX X  XX XXX XXXXXXXXXXXXX  XXXXXXX X X XXXX XXXXX    X XXXXXXX  XXX XX XXXXXX XX  XXXX XXX XXXXXXXXXXXX  X XXX XXX XXX
KOD                          X       X          X      X X    XX                         X X    XX XXX XX  XX XXX X
KONO    XX X X X  X              X XX    X   X         X        X X  X                              X   X    X   X  X
KOT                                 X XX          X X  XX   X   X  X                X        XX    X         X       XX X
KRI     XX    X X    XXX XX  XX     XX XXX X XXX  X XXX X   X   X  X          X    X   X  XX   X          X  X        X X X  XX
KSH     XX X XXXX X XXX X XXXXXX    X  X X X X X XXXXXX  XXX X X XXX  XXX     X X X  XXXX XX X XX  X X XX XXX XX XX XXXXXX    X
------------------------------------------------------------------------------------------------------------------------------
KSP    XXX XXXXXX XXXXXXXXXX XXXX XXXXXXXXXXX XXXXXXXXX    XXX X XXXX XXX XXX XXXXXXXXX XXXXXXXXXXX X XX XXXXXX X XXXXXXXX X X
KSR      X  XX X             X         XX  X X   X  XX X     X XX X   X                              X
KTH                XX    X X XXXX XX XXX XX   X XX   X XXX  X X   X  X     XXX  X    X XX    XXXXX  X    X X X     X        X
KTK1                                     XX   X  X  X          X    X X  X   X       X           X      XXX      X  X
KUMJ   X XXX XXXXXXXX   XXXX X      XX XXXXX   XXXX     XX X X  XXXX X  X X X          X X    X X  X     X X     X  XXX  X X
KUR    XXX X XXX  X       X  X      X X X  X    XX   X   X   X X   XX              X XX   X X     X   X  X      XX XXX
KUSJ  XXX  XXXXX  X X XXXX X X  X X  X XXXXXX X XXXXX  X   XX XXXXXX XX   X XXXXXX  XXXXXX  X X    XX    XXX  X XXXXXXXXXX XX
KUZ    X    X  XX  X   X           XXXX X   X   X       XX   XX   XX  XXX      X   X  XXXX XX         XXX  XXXX       X       X
KVN    XX  X X X        X  X  XX  X XX  X                           X    XX  XX   X  XX  XX  XX  XX  X  XX        XXXXXXXXXXX
KVT   X XX  XX XX          X X     X X X XX                         XX  X    X            XX XXX   X   X  X XXX        XXX
------------------------------------------------------------------------------------------------------------------------------
KZN    XXX   X X X XX  XXX  X  X  X            X  X      XX X      X X X   X  XX X X X X X X  X  X XXXXX X X X     X       XX
LACI                                           X      X     X X  XXX XXX   X  X   X  XXX X           XXX   X     X X      XX
LANF   XX    X               X    X                   X     X  X X  X     X              X     X X    X      X        X  XX
LAT   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   XXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXX
LBF   XXXXXXXXXXX X  XXXXX XXXXXX XXXXXX  X  XX   XXXXX  XXXXXXXXXXXX   X       XXXXX XXXXXX XX XXXX XXXXXXXXX XXXXXXXXXXXXX XX
LBFM  XXXXXX X XX X  X   X  XX XX  X  XX  X X     XX  XX XXX X XXX   XX       XX   X  XX X X XXX  XX XX  XX    X  XXXXXXX  X
LBL          X X             X                    X                          X   X   XX             X  X          XX  X
LCCH     X X XX  XXX XXX  X  X X  X     XX XX
LCI     XX X X   X    XX     X X           X              X   XXX XXX  XX    X X X X X     X X  X XX X X   X  X        XXX
LCR2  XXX X  X XX XX       X X  XXX  XXX X X        X    X  X  XX    XXX     X X XX  X X             X   XX X  X X    XX  X
------------------------------------------------------------------------------------------------------------------------------
LDF   X XXXXXXXX  X    X X   XXXXX XXXXX    X  XX XXX XX  X   XX X XXXX XX  X     XXX X XX XXX X   XXXX XX XXXXXX   XXXXXXXXXXXX  XX
LDN          X              X         X                    X X                                  X      X        X  X
LESF    X                      X  X   XX                     X  X  X                                              X
LFF   XXXX XXXXX      X XX X XXXX XX X X  X  X  XX XXXX X   XX XXXX XXX X    XXXX X  XXX     X  X  XXXXXXXX  XXXXXXXXXX XX  X
LHS     X  XXX XX X        XX XX  X   X     X    X   X X    X  XX          X    X  XX     X   XX X  XXX    X   XXXX
LIBD   XX    X               X  X         X  X        X X  X              X        X        X X         XX   X
LIC   X  X X XXX  XXXXXXX XXXX XX  XX XXX XXXX  X XXXX    XX X XXXXXXXXXXX      XXXX XX XXXX X XX  XXX  X XXXX   X XXXXX X XXX
LIT    X X XXX XXX XXXXXXXXXXX X  XXXXXX  XXX XX XXXXXXXXX XXXX XXXXXXXXXX XX XXXXXX X   X X  XX XXXXXXXXX XX   X XXX   X XX
LJU    XXX XXX    XX XX      X X      X X X  X  XXX X XX XX  X  XXX XX         XX  XX XXXX  X X   X  X XXX    X XXX     X
LLS     XX    X X     X      X X  X       X  X XX   X X  XXX XXXX X XX       X        XX          X X  X X X  X  X XXX X X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30
--------------------------------------------------------------------------------------------------------------------------------------
LMN      X XXXX X XXX X XXX  XX XX XX  XX  X X X    XXX   XX   X XXXX  XX     X XX   X  XXX X  X    XX XX X X  XXXX XXXXXX   X
LMR      XXX XXXX    XXX X    X X  X X  X  X X X  X X X  X XXXXXXX XX  X  XXX  XX XX X  XXX     X    XXXXXXX X XX X XXXXXXXX   X
LMZ          XX       X      X      X X   X XXX    XX   X
LNO   XXXXXXXX XX X   X  X  XX XXXXXX XX  X    X   XXX  X  X X                                                             XXX XX
LNV      X X XX  XXX  XX  X  X X  X  X XX XXX   XX XXXXX XX XX         XX    X XXXX XX XXXXX        X    X X    X  X  XXX  XXX
LOE                                                 X X  XX XX    XX                 X             X XX    X        X        X  X  X
LOF                  X    X X       X       XX  XX  X  X  XX       X   X X  X           XX  X       X  X XXXX       X XX
LOMF   XXX  X  X         X X   X           X   X    XX  X X  X  X  X       X           XX      X X   X    X X      XX  X
LON   X  X X X XX X     XX XXXXXX  XX XX        XX XX     X X     XXX XX X      XX    X  XX XXX XXX  XX XX XXX     X   XXXXX    XX
LOR   XXXXXXXXXXX X  XXXXX XXXXXX XXXXXX  X  XX  XXXXX  XXXXXXX XXXX  X        XXXXX XXXXXX XX XXXX XX XXXXXX XXXXXXXXXXXXXX XX
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LPA            XX           X            X   X                  X        X                  XX X    X         X   X          X X
LPB   XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXX
LPF   XXXX XXXXX        XX  X XXXX XXXXXX  X   X  XX XX  X  XXXXXXXXX  X  X     XXX X XX XXX    XX X XXXXXXXXX  XXXXXXXXXXXX  XX
LPG   XXXX XXXXXX X  XXXXXXX XXXX XXX XXX X X X  X XXX  XXXXXXXXXXXX XX  XXX XXXXXX XX XXX  X XX X XXXXX X X XX XXXXXXXXXXX XX
LPL   XXXX XXXXXX X  XXXXXXX XXXX XXX XXX X X X  XXXXX  XXXXXXXXXXXX XX  XXX XXXXXX XX XXX  X XX X XXXXX X X XX XXXXXXXXXXX  X
LPO   XXXXXXXXXX        XX  XXXXX XX XXX  X  X  XX X XX XX XX X XXXX XXX X     XX X XXXXXX  X X  X XXXXXXXXX  XXXXXXXXXXXXX X
LPR   X  XXXX  X          X  X        X       X   X  X          X         X                    X  X          X X  X   X X   XX X
LRG      XX XXXX     XXX X    X X  X X  X  X X X  X X X  X XXXXXXXX X XX  XXX  X  XX X  XXX          XXXXXXX X XX XXXXXX XXX   X
LRM   XXXXXXXXXXX      XXXXXXXXXXX XXX XXX X X X XXXXXXXXX X X X XXXXX XX  X  XXXX     X XXXXXX
LRS   X  XXX   X          X  X     X  X      X   X  X       XX          X                      X  X          X X  X    X X   XX
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LSA     XXX XXXXXX X XXX X XX XX    X    X XXX X X XXXX X      XX X XXX   XXX       X X  X  X XX X X  X  X XXXXXX  X X  XXXXXX
LSCZ   X               X               X      X    X XX                                  X XX X   X    X   X  XX         X
LSD      X    XXX            X  X       X      X X X                  X  X   X    X  X        X      X XX  X XXX XX    XXXX X X  X
LSF   XXXX XX  X       X XX X XXXX XX XXX  X  XX  XXXXX  XXXXXXXXXXXX XX  X    XX  X XX XXX X  XXXX XXXXX X X   XXXXXXXXXX X XX
LSK                   X      X             X      X      X      XXX XXX   X  XX  X   XX X    X XX XXXX  XX      X X     XXX
LST   X        X          X  XX X   XX  X      X                 X X          X    X  X          XX X    X    X   X  X
LSZ    X XX             XXX         X X X X X  X X X      XX X
LTCM    XX X   X  X  X   X  X     X X X         X   X  X     XX          X      X    X       X    X  X           XX XX X
LTZ    X X  X   X  X X X  X  X      XXXX  X XXX  XXXXXXX X     X XX   X   XXX   X    X  XXXXX  XXX XX XXX XXX       XX X     X
LVNJ         XXX          XX XX     X            X      X      XXX                           X    X   XX XX  XX    X   X XXX   X
--------------------------------------------------------------------------------------------------------------------------------------
LVV     XX   X X  X   X       X          X X   X    X X  X     X    X                        X          X  X          X
LVVM    XX   X X X XX XX    X  XXX XX                                                                                 X       X
LZH   XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXXX
MADF                                             X X           X  X       X                      X    X     X
MAF   XXXXXXXXXX     X XX    X XX XX X X  X   X  XXXXX    XXXXXXXXXX XX  XX     XXX X XXXX X X  XX X XX XX X X XXXXXXXXXXXXX X XX
MAHZ        X      X                X             XX   X   X         X X   XX      XXXX X          X      X X
MAIO  XXXX XXXXXX X X XXXXX     X X XXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXX XX     XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXX XXX XXXXXXXXXX
MAJO           X            X         X            X           XX     X           X                X            X
MAL         X X  X X        X      XX X   X                                            X     X       X  XX        X X XXX
MAO                 X                          X X   X   X X  X    XX                        X
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MAP   X XX X XXX  X XX  X  XXX XXX X XXXX     XXXXXXXXXXX X XX X XXX                                   X       X      X   X X
MASJ           X           X X     X  X              X  X X                                            X              X X
MAT   XXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXX      XXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX X  XXXXXXXXXXXXXXXXXXXX
MAW   XXXXX  XXXXXX XXXXXXXXXXXXXX XX XXX XXXXX XXXXXX X   XXXXXXXX    X    X X     XXX XXXXXX XXXXXXX XXXXXXX X    XXXXXXX  XX
MBC   XXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX XX XXXXXXXXXX X XXXXX  XXX XX  X XXXXXXX XXXXXXXXXXXXXXXX   XXXXXXXXXXXXXX X XX
MBET                        X          X X    X          X                        X                X   X   X
MBH     XX   X XX           X     X XX X X    X XXX  XXX X   X  X XX              X    X       XXX        X  X     X   X
MBL     XXX XXXXX XXXXXXXXXXX  XX XXXX   XX XXXXXXX X  XXX XXX XXX   XX X X   XXX X  XXXXXXX X X     XXXXXX XX    XXXXX X
MBO                  X                     X       XX     X      X     X        X  X    XXXX X           X               X   X
MBU    X    X                    X      X  X    X X    X X       X               X X       XX    X   XX   X  X
--------------------------------------------------------------------------------------------------------------------------------------
MCK              X  XX   X X  XX   X X X XX   X XX       XX    X   X             X         X        XXXXX      X X X      X    X  X
MCNL    XX          X     X  XX  X  XXX  XX    X X    X XX XX XX               XX X     X  X  X X  X X     X X             X
MCO     X     X            X            X                X   X  XX        X                      X X                X
MCQ     X X  X            XX        X X X   X     X     X      XX                       X X   XX X X   X                 X
MCW      X   X XX       X  XX XX  X  XX   X             X X  X X          X    X  X  X X X     X XX  XX           X XX
MCWV   XXX      XX X    X           X   X         X X     X  X X   X      X        XXXX X      X  X           X   X  XX   X
MDB    X X  XXX                X  X                                                X  X        X  X          X XXX
MDG    X   X     X X   XX  XXX  XXXXX XXX XX XX   X       XXXX    XXX  X XX X  X      XXX     XX   X XX  XX X   X  X    X     XX
MDJ   XXXXXX XXX  XXXXX X XX XX X XX  X XXXXX XXXXXXXX  XXXXX XXXXX    XX X   XXX X  XX XXXX X X X X X  X XXX  X X XXXXXXX XXXX
MEEK                 XXXX XXX  X     XXXXX X  XXXX XX X  XXXXX XX XX    XX   X    X X  X  XXXX X X X    XXXXX XX     X  X X  X
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MEM                X          X  XXX X     X   X  XX   X XX   X  X   X  X      XX X          X   X    XXX  X      X
MEO   X XXXXXXXXX    XXX XX   XXXXXX XX XX  XX  X  XXXXXXXX XXX X XXXX  XX  X      X       XX     XX X  XXX XX XX            XXX
MEU     X    X      X  X     X          X        X X X    X XXXX X X        X    X   X X X        X X X      XX   X  X
MFF   XXXX XXXXX         XX    XXX X XX XXX  X   X XXXXXX  XXXXXXXXXXXX XX  X     XXX X XXXXXX X  X XX XXXXX XXX  XXXXXXXXXXXXX XX
MGD    XXX XXX X   X   X  X XXXXX X XX  X X X  X  XXX X  X XXX X XXX   XX      X       X X XX X XXX  X XX XX     X  XXXXXX
MGG   X   X         X X  X X    X  XX  X   X                X XX      X       XXX    X    X    X      XX   XX        X      X
MGH            X       X    X        X  X   X XX  XX            XXX X          X           X                X XX  X   X
MGP   X  XXXX  X          X XX     X  X      X    X   X         X          X               X  X           X   X   X X   XX X
MGR     X  XXX X   X   XX          X  X    X   X      X X       X XXXXXXXX XXX  XX  XX X   X   XXX X  X X  X X      XXX      XX
MHZ    X               X             X      X  X X X   X                        X    X XX X   X    X    X  XX            X
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MID   X        X    X        X  X      XXX X X           XX    X   X          XX        X  XX   XX X X  X  XX   X    X
MIM             X            X                   X X           X                 X    X  X X        X      X
MLR   XXXXXXXXXXXXXXX XXX XX XXXX XXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXX XXXXXXX XXXXXXXX  X XXXXXXXX XXX
MLY              X  XX  X X  XX     X X XX    XX     XXX  X X   X         X        X XX     XXXXX X    X X X    X    X
MMCZ        X         X               X      X    X XX  X                   X     X XX X        X        XX        X
MME         X XX   X X   X        X X XXX X   XX X X X  XXXXXXXXXX X  X     XXXXX       XXX        X XX  X XX     X   X   X   XX
MMK     XX X X X      X       X       X      X    X  X  X          X XX X X        X          XX          X XX X X X  X  XXX XXX
MML        X   X                      X           X  XX      X          X            X          X                             X
MMN        XX                         X      X                     X        X            X     XX                               X
MNDI       X  X  X XX X X  XXX  XXXXXXXXX XX  X    XXX     XXXX   X XXXXXX XXX X X X XXXX X  XXXX  XXX XXXXX   XX XXXX X XXX XX
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30
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MNG    X X                                     X    X XXX   XX  XXXX  XX   XX    XX XX X XXXXXXX XXXXXXXXXX XXXX  XX XX X     XX
MNI                XXX       XXXX XXX                                X  X                 XXXX       XXXX        XX X   XXX XXXX
MNK     XX  X   X X   X  X   XXXX  X  X X X   X  X X X  X X X X  X X   X             XXXX X  X    X  X  X   X X X X  XX
MNO                  X                                 X XX XX         X X X  X        X   X X X          X X    XXX      X X
MNS                         X   X                       X X    XX  X X  X XX         X     X                       XX X XX  XX
MOF    XXX  XX X               X X   X               X   X     XX  X X  X  X  X     X        XX    X X   X    X X    XX  XX
MOL       X                 X  X            X X      X     X         XX XX    X    X                X     X X      XX    X
MOS     XX      XX X   X       X X   X  X X X   X  XXX X  XXX X X XX X                   XXXX X  X    X  X  XX  X X X X XX XX
MOTA        X  X       X        X           XX  X       X       X X X  X  X    X   X      X X         X    X        X
MOW      X  X  X   X X XX             XX    X      XXX   X   X  X         XX    X X     X X     X  X  XXX  X  X     X        X
----------------------------------------------------------------------------------------------------------------------------
MOX    XXX  XX XXXX   X X XXXXXXX XXXXXXXXX   X XXXX X  XXXXX X XXXX XXX      XXX XX X XXXX X XXXXX X XX XXX  XXX XXXXXXXXX XX
MOY    XXXXX XXXX X XXX XXXX XXX  XX          X  XXX X  X        XX    X        X X      XX X X       X  X  XX  X X  XXXXXX
MOZ    X X  X   X    X   X             X XX     XX      X     X    X X    X  X X    X X      XXXX XXXX X XXXXX  XXXXX  X  X        X
MQZ    X X  X          X X X           XX  X XXX     XX    XX      XX         XX     X X  X  XX      XX  X  XXX  X X                X
MRRJ  XXX  XXXXX  X      X   X X         X  X X   X X  XX  X   XX X XXX   X      X      XX XX X   X      X       X X     X X XX  X  X
MRW     XX X  X   X X XX             XX X   X      XXX    XX  X XX   X   XX    XX XX   XXXXX X XX  X XXXX   X  X    X X  X      X
MRWA   XXXXX XX     X X XX  X X  X   XXXXX X   XXX XX X XXXXXXXXX X X X X X X  XX       XXXXXXX X X XXXX     XXXX       X X X  X
MRX   XXX XX X XX X         X  XXX    X           XXX              XX      X         XXX     XX X   XX    X    X    X X   X X X XX  XXX
MSU   XXXXXX XXXX   XX XX  XXXXXXX XXX XXXXXXX XX XXXXX XX XXX X XXXXX XX       XXXX XXX XXXXXX XXXX XX XX XXXX    X XXXXXXXXXXXX
MSZ    X X   X       X        X       X X X X X X          X       X           XX   X     X XXX    X   XX    X   X
----------------------------------------------------------------------------------------------------------------------------
MTA     XX XXX XX X   X    X  X        X X X                                                 XX  X XX     X  X  X       X   X   X
MTMJ   XX  X XXX  X X   X  XXX XX XX X  XXXX  X X  X    XX XX X XXX X X  X X X X     XX  X      X       X       X         XXX XX  X  X
MTN   XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXX XX XXXXXXXXXXXXXXXXXXXXXXXXX  XXX XXXXXXXXXXX XXXXXXXXXXXX  XXXXXXXXXXX XXXXXXXXX XXXX
MTW    X XX X  X    X X XX        X       XX X   X      XXX    XX  X  X  X    X    X X     XXXX  X XX  X XXXX  X  X       X  X      X
MUD      X                                    X   XX X  XXX X X        X      X             X  X
MUN    X X  XXX   X  X XX   XX  X    XXX X X X XXX XX X  XX    XX X X X X   X    X        XXXXXXX X X X X  X  X X        XX X X
MVM   X X      XX       X XXX  X         X   X    X X XX X      XX   X                              X          X  X  X      X  XX
MYA     XX    X XXX   X  XX          X X  X                 X X  X           X X       X     X  X X   X   XXX
MZX     X      X            X  XX                                                                                X    X     X   X
NA2         X X            XX XX     X           XX     X       XXXX
----------------------------------------------------------------------------------------------------------------------------
NAI         X X                                   X X   X XX X  X     X   XXXX           XX     X       XX                 X   X   X
NAL     XX  XX X X                  X X  X   XX XX       XXX  X  XX    X        X                               X  X  X     XX        X
NANU   XXXX XXX    X XXXXXXXXXX XXX XXXXXXXX X XXXX XXX  XXX X XX X    XX X       X   X     X     X X X   X XXXXXX       X   X X
NAV   X        XX X        X  XX XX  X  XX  X   X   XXX  X  X     XXXX          X     X  X        X    XX X   XX    X   XXXXX
NB2   XXXX   XXXXXXX XXXXXXXXXX  XXXX XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXX XXXXXX XX XXXXXXX XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXX
NCG   X XX       X XXX   X X XXX  XX XXX XXX  X XXX    XX X XX XX  X  X       XXX XX     X XX  X XXXXXX X  XXX X X X   X     X  X
NDI    XXX X XXXX X X X X XX XXX  XXXXXXX X X XX XXXXX  X X X X XXX XXXXXXX X   XX   XX X XXXXXXXXXX     X XXX XX XX XXXXXX   XX
NEA              X  XX   X X  XX      X X XX   X XX        XX      X  X             X          X  X      XXX  X    X X X    X     X  X
NEV              X           X              X XX  XX            XX  X             X           X              X XX   X    X
NEW     X  X    X  X    XX  X  XXX  XX  X   X                       XXXX X  X       X    XX XXX XX   XX  XX XX   X  X X     X
----------------------------------------------------------------------------------------------------------------------------
NGZ    X XX XX X   X    X         X       XX     XXX       X
NIIJ   XX  XXXXXX X X   X  XXXX X XX X  XXXX  X X  X     XX XX XXXXX X X  X X X X     XX  X X    X      X               XXXXXX  X  X
NJ2    XXX X XXX XXXXXXXXXXXXXXXX  X XXXX X XXXXXXXXXX XXXXXX X  XX    XX       XXX     XXXXXX X XX  X X XX XXX    X  XXXXXX  XXX
NKA   X XX            XXX                                    XXXX XX                X                                              X
NKM         X  X        X        X      X   X  X X     XXX X       X      XXX       XX  X  X XX X  XX    X  XX XX    X     XXX
NKY   X XXX XX X XX     XX       XX  X    X   X    X    X X  XXX    XXX  X XX  X   X   X  XX  X XXX         XXXX  X X        XXXX X    XX
NNA     XX    X  X    X X XX  XXX  X  XX  X  XXX    XX XXX      X  XXX XXXXXX X      XX      XXXX    XX  XXXXX X  X   XX X XXXXXXXXX
NNL   X XX            XXX    X X   XX   X  XXX XXX     X X      X XX   X XX  X  X        XXX X      X  X  X XXXXX  X  XXX        X    X     X
NNT     XX X X XX XX               XX XXX X X XXX XX X           X     X  XXX     X                X        XX     X   XX X        X   XXX XX X
NOZ    X XX X  X    X X X XX     X     XXXXXXX  XXX   X XXX    XX    XXXX  XX   XXX X XX XX X XXXXXXXXXX XXXXXXX  XXXXX   XXXX X  X
----------------------------------------------------------------------------------------------------------------------------
NPS     XX XXX XX       X          X    X   X     X     X X                    X X     X   X     XX XX  X     X  X XX XXX       X      XX
NRA0                      X  X            X  X      XX                     X X      X X    X      XX              X  X     XX X X  X    XX    XX X
NRI    XXXXX XXX      X XXXX XXXX XX  X X X X X  XXXXX  X XXX X XXX  XXX       XXX      X XX X XX     X XX XXX  X X  XXXXXX
NRZ                                        XX      X         X            X     X        X            XXX  X       X                X
NST     XX    X X  X   XX  XXXX   X      XXX XXX XX   XXX       X XX XX     XX         X X    X    X X      X  X          X   X X
NUR   XXXX XXXXXX X X XXXXXXXX     XXX XXX X X X  XXXXXXXXXXXXXXXXX XXXXX XX   X XXXXXXX XXXX X XXX   XXXXXXXXXXX X XXXXXXXX XXX
NWAO   X X    X    X          X        X X X   X    XX X  XX  X X  X X           X                 X X         X  X         X   X
NWRM             X          X                        X       X                    X X                   X       X  X         XX  XX   X
OBN   XXXX XXXXXX XX XXX XXX XXXX XX   XXXXX X XX XXXXX XXXXXX XXXXXXXXXXXXXX    XXX XXXXXXXX X XXXX XX XX XXX   X X XXXXXXX  XX
OCO   XXX X XX XX X   X XX  XX XX  X   XX  X   X    XXXX X  X XX      X           X     X   XXX      X    XX        X    XX    X XXX X X
----------------------------------------------------------------------------------------------------------------------------
ODD1     X                                                         X X        X              X          X        XXX X          X     XX X
ODZ      X           X X              XX  X  X      XXX  X       XX          XX    XX      X XX      XX      XXX   X
OFUJ  XXXX XXXXX   X     XXX XXXXX X X XX  XXX    X X  X   XXXXXX X XXX XXX  XXX X       XX XXX  X XX  X X     XXXXXX X XXXXXXXXX XX
OGA    X               X       X         XX     X  X XX X X X  XXX XX   X  X  X X    X  X        X X         X        X X         X
OGE                                          X   X XX  X                           X                                X      X
OHR   XXXXXXXX XX XXX XXXXXXXXXXX XXX XXX    XX XX XXX X XXXX XXXXXXXXXX X XXXXX XXX XXXXXXXX XXXXXXXXXXX XXX  XX X X  XXXXXXX
OJC   XXXXXXXXXXX X  XX XXX  XXXX XXXXX XXX   XX XXXXX XXXXXX X XXXX XXX X X XXXXX XXX XXXX XXXXXXXXXX XXXXXXXX XXXXXXXXXXX  X
OJEN                                                    XX                   X    X                                    X          X  X
OLLA  X    X              X  X                 X        X        XXX XX          X  X          X                                 XX  X
OLY   X X XXXX X  X      XX  XX XX  X  X   X       XXXX X  X   X XXXX  XX        XX   XX   X X X   XX   XX X    XX      X   X XXX     XX
----------------------------------------------------------------------------------------------------------------------------
OPA    X X      X  X     X                                                                 X              X            X X
ORI     X  XXX           XX     X X  X           X      X X        XXXXXXX  X X X   XX X X X    X  X  X X X  X X        XXX      X X
ORO    X X      X        X         X             X   X   X     XX    X  X  X  X     X      X         X  X        X   X X X X     X XX        X
ORV   XXXXXX X X      XXX XX XX XX XX XXX XXXXXXX X  XXXX  XX XXX X XXXXX X    XX   XX X XX XX X X XXX  XX XX  XX    X  XXXXXXX XXX
OSS     XX X X X       X       X X  X        X   X  X X X X  XX   XXXX X XX      X         XX            X X  X X X  X  XXX XXX
OUR   XX X XXX X X XXXXXXX XXX X   XXXXXX  X X X                     X X  XXX     XX XX XXX XX   XXXX XXX XXX XXXX X    X X    XXX XXX
OUZ         X  X                                                                         XX  X      X  X   X  X
OXX   XXXX X X XXXXXXXXXX  XX XXXX XX X   X     XXXX    X X     X XXX XXXXX    XXXXXX  XXXX  XXXXXXX XXXXXX XXXXX XX XXX XX    XXX
PAE                                   X                          X      X           X  XX     X            XX         X X
PAF           X                                                       X            X         X  XX  X    X          X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

PAG   XX     X XX  X  X X  XX     XX  X  XX XX XXX X XX        X XX  X    X       X         X          X    XX       X
PAHZ   X XX X       X   X              X         X       XX   X   X  X   X  XXX   X       X XXX XX X X  XXX   X  X   X XX
PAIG  XX X XXX XXX XX XXXX XXXXX  XXXXXX  XXX XX X X X  X   X   X  XXX X X XX XXXXXX XX  X X  XXX XXX XXXX XX     XX   XX XXX
PAND                        X XX X   XX              X          X      X              X                           X
PATZ    X  X          X        X                                          X          X  XXXX XX X X  XXX   X     X XX       X
PAX   X          XX  XX   X X XXX   X X X X    X XX     X XXX     X    X          XX X X    X XX    XXXXX  X   XX X X     X    X  X
PCH     X X XX  XXX XXX  X  X X    X XX XXX   XX XXXXX XX XX          XX      X XXXX XX XXXXX      X    X X    X  X  XXX  XXX
PCI   XXXX         XXX     XXXXXXXX      XXXXXXXX        XXXX          XXXX X               XXXXX XX XXXX XXXX  XXXXXXXX  XX
PCP    XXX    XX    X          X  X      X      X X X     XX          X   X    X    XX           X  X XX XXXXX XXX XX    XXXX XXX   X
PDB   X XX       X XXX      X              XXX   X X X    X  X XX XX  X           XX XX     X     X XXXXXX X  X X               X

PDCR   XXX  XX  X XXXXXXXX  XX XX  XXXXXX X XXXXXX      X  X  X   XXX   XX X   X     X X  X XX    XX     X XX  XX    X   X XXXX XX
PEC    XXX X X X  X X XX X  XXXXX  XX XXXXX   X  X  XXXXX X XXX  X X  X      XX  XXX XXXXXXX  X XXX   XX XX    X    X XXXXXXXXXXXX
PEL      X X XX  XXX XXX  X  X X  X  XXXX XXX   XX XXXXX XX XX   XXX    XX      X XXXX XX XXXXX   X   XX  XX XX   X  X XXXXXXXXX
PET    XXX XXX X  X  X  X  XXXX XXXX X   X X X   X   XX    X   X X XXX    X          X          X XX X X X X   X  X  XX       XXXXXX
PGC   X  X     X        X  XX XX     X                 X       X     XX X                    X   X     X   X    XX X     X       X XXX   X
PGD     X  X X X      X     X    X X  X X X X   X  X XXX  XXXXXXXXXX XXXX XX XXXXX XX      X X   X  X   XX      X X  X X   X   X XXXX
PGF     XX XX XX     XXXXX     X X  X     X  X   X  X XXX  X XXXXXXX  X XX  XXX  XX XX X  X X    X     XXXXX     X     XXXX XXX   X
PGP    X XXXXX X   X  X  XX X X  XXX XXX X XX XX  XXX XX X   XXXX XX  X   XXXXX XXXXX XXXXXXXXXXXXX XX  X   X XXX   XXXX XX X
PGZ    X XX XX X   X X XX               XX  X  XX       XXX  X    X XX   X  XXX   XX X  X XXXXX X XX XXXXXXX  X XX    X X
PHAM  X  X   XXX  X   X  X  X  XX  X  X XXX   X  X  X        X    X X   X   XX    X  X  XXX  X  XX  XX XX   X    X XXXXXXXXXXXX

PHP                X X     XX        X          X   X                   XXX XXX   X   X      XXX X     X XX XXXX
PII     X XX X X    X X    X    X    X   XX     X      X X  XXXXXXXX   X  X  X XXXX  XX       XX  X        X X  X    X X X X   XX
PIP   X     X X  X X X  XXXXX X  X XXXXX XXX  XX   XXXXXX X  XX   X X    XX   X  X XXXX   XXXX  XX XXXXXXX  X        XX     X
PJG     XXXXXXXXXX XXX  XXXXXXX X  XX XX X  XXX  X XX  XXXXXX  XXXX XXXX    X      XXX  XXXXXX XXX    XXXX XXX    X  XX  XXX X X
PKEM  XX      XXX      X  X  X  XX  X  XXXX     X                 X X   X    XX       X  X    X  XX  XX XX   X      XXXXXXXXXXXX
PKI   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLAT                                          X  X     XX                     X    X      X X             X    X          X  X
PLDF            X             X                        X          X                X   X   X              X  X         XX  X
PLE   X XXX XX    XX     X      XX XX    X    X    X        X  XXX    XXX  X XX  X  X  X  XX  X XXX         XXXX  X X      XXXX X    XX
PLM   XXXXX  X X  X X XX XX XX XX  XX XXXXXX  X    X XXXXX    X X  X X        XX    XX XXXXXXX  X XXX   XX XX XXXX    X XXXXXXXXXXXX

PLP     XXX XXXX X XXXXX XXXXXXXXXXXXX XXXX   XXXXXX XXXXXX XXXX XXXX XXXXXXX   XXXX   XXXX XXXXXXX X XXXX X X X X  XXXXXX XXXX
PLRM  X X         X XXX   X X XXXX XX XXX XXX  X XXX  XX XXX  X XX  X            X                 XX      X            X
PMG   XXXXXX XXXXXXXXXXXXXXXXX XXXXXX XXX XX XX X  XX   XXXXXXXXXXXXXXXXXXXX XXXXX   XXXXXX XXXX X XXXXXXX X    X  XXXXXX XXXXXX
PMO          XX X      X  XX            X X    X    X                 X                 X  XXXX X X X  XX  X  XX         X X
PMR   XXXX X XXXX XXXXXXXXXXXXXXX XXXXXXXXX X X  XXX X XXXXXXXXXXXXX  XX       XXXXXX XXXXXXXXXX XXX XXX XX  XX XXXX    XXXXX    XX
PMS   X XX      X X XXX   X X XXX  XX XXXXXXXX XXXXXX    XXXX XX XXX X  X X    XXX XX  X X XX  X XXXXXX XX XXX X XXX  XX     X XX
PNJ          X X                       X    X    X                   X XX                   X                   X X    XXX    X    X  XX
PNT   XXXXXXXXXXXXX     X XX XXXXX XXX XX    XX X XXXXXX XXXXXX X XXXXX XX XX    XXX   XXX XXXXXX X XXXXX XXXXXX  X X   XXXXXX XXXX
POF              X              X          X                                                             X                  X    X
POO   XXXX XXX    XX XXXX XXXXXX  XXX XXXXXXX XX XXX X  X XXX X   X X          X    X        X    XX          X   XXXXX XX X    X   XX

PORP  X  XXXX  X           X  X         X          X     X  X         XX                                  X  X           X X  X     X X     XX X
PPCY  X XX  XX X X          X X    X     XX   XX        X  XX     XX    X       X     X    X             X     X      XXXX       X   X        X       XXX
PPD   XX X X X XX XX X   XX XXXXXX       XXX X X XX  XX X   X XX   X XXXXX XX XXX                     X XX    XX XX   XXX   XX    X XXXX  X
PPM     X                   X  XXX X            XX                  XX     X X            XX                 X   X       X X  X X X   X    XX
PPN                          X          X         X         X      X        X   X          X     X        XX               XX          X X
PPR          X  X   X       XX      X  X     X   XXX   XX   XX             X  X                         X                          X   X
PPT                                     X                           X      X         X    X          X   XX      XX             XX          X X
PRG                                                      X         X XX   X                  X            XX
PRK     XX     X X              X   X        X         X   X        X                      X        X    X       X   X XX XXX        X         X
PRM   X     XXX X         X   XXX XX XX   XX  X    X      X X XX         XX XX XX X     XX    XX XX           X X    XX      X    XX XX

PRNI             X               X  X X      X        X    X      X                XX                               X       X        X      X    X
PRP                     XX      X  XX          X                X       X   X                               XX    X     X    X           X
PRU     XXXXXXXXXXXXX  XX XXXXXXXXXX XXXXXXXXXXXXXX XXXX               XXXXXXXXX   X  XXXX XXXX XXXXXX XXXXXXXX   XXX XXXXXXXXXXXXXX XX
PRY      X   XX X        X      X          XX   X XXX  X  XX      X  X XX X   X          X     X   X XX X        X XXXX              XXXXX    X
PRZ                  X XXX X X  XX         X    X X X    XX X  X X X X   XX  XXX         X           XX X   X     X   X  XX     X   X XXX
PSO                         XX XX      X                 X       X   XX     X          X  XX       X     X               X     X X X X
PSZ     XXX XXX X       X          XX  X   X   X    X     X X   X     XX X X  X            X          X                         X XXX
PTE     X          X XXX   X X  XX    X XXX X      X X       XX XX XX  X X       XXXXXX      X XX   X XXXXXX X  XXX X X      X      X   X
PTI        X XXX          XX  X  XX XX XX  XX          X       X       X  X X          XX    X   X         XX          X
PTJ    XXX  XX X XX  XXX X    X XX X X XX  X X X     X X XXXXX  X XXXXXXXX    X  XXX X  XXXXXXXX X X  XX XX XXXX    X XXXXX X  X

PTT     X     X X X          XX X       XX        X      X        X       X X            X             X       XXX  X   X    X        X X
PUL     X     X X  X                                   X X  XXX X X XX X                               XX           X   X   X       X    X   XX
PUZ    X XX XX XX  X X X X  X  XX    XXXXXXX XXX  XX XXXX  XX   XXXX   XX   XXX X X   XX X  XXXXXXXXX X XXXXXX XXXX    XXXX X  X  X
PV10    X  X  X     X     XX  X         XXX  X  X  XXXXXXX  X  XX      XXXX    X X X X XXX XX  X         XXX X        X              X
PVC        X X    X XXX     X             X  X                         X     X                       X              XX  XXX          XXX     X
PVY   X X X XX    XX     X        X XX    X    X    X     X X   XXX    XXX   X XX  X   X   X   XX   X XX        XXXX   X XX       XXXX X    X
PWA   X X         X XXX    X X XXXX  X XXX XXX   X XX    X   XXX XX X    X  X        XXXX X     X  X  X XXXXX  XX XXX X X      XX     X  X
PWLA    X X XX XX               XX XX       X    X     X       XX                        XX    X  XX  X    X    XX X  XXX     X    XXXXX
PYA     XX XXX XX X   X    X   XX    X   X X X    X   X X X  X X X X XX X XXX          X          XXXX X XX     X   X   X          XXXXX
PYM          X X              X                       X           X                    X    X    XX              X  X             XX

PZZ    XXXX  XXXX  XX             X   X   X     X  X      X X X     XXX     XX X   X    X  XXX   X         X   X XX XXXXXXX X XXX   XXXX X X    X
QCR    XX X  X XX XX         X X  X XX XX  X X              X     X         X       XXX         X         X                X    XX X      X    XX  X
QIS   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXX XXXXXXXXX   XXXXX      X X   XX   XXXX X X XX XXXXXXXXXXXXXXX XX   XXXXX X XXXXXXX   XXX
QIZ    XXX    XXX   XXX    X XXXX           X X XXX X    XX X   X XXX XX XX                X          XX X X XX    XX X   X X X          X    X    X
QLP    X X XXXXX     XX   X   X X X   X     XX X X    XX    X X    X X       X                         XXX   X X X XXX XX   X    X    XXX X X    X
QRZ    X X  XX       X X X              XXXX  X XXX    X XX X XX    X XX    X X XX   X  XXXX   XX    X   XX       XXXXXX XXX XXX       X XX           X
QUE    XXX XXXXXX X XXXXXXXX  X XXXX  XXXXX XXX XXX   XXXXX   X  XXXXX XXXXXXXX XX      XXXX XX XXXXXXXXXXXX XXXX XXX XXXXX XXXXX     X
QVP      X XXX     X      X        X X  X X X X   X    XX           X      X   X              XXXX     X XXX  XXXX X    XX X                    X
QZH      X X XXX   XXXX   X X   XX      X   X X XX   X   XXXX      X XXX X   XX                        XX X X XX         X XX          X       X     X
RAB    X       X      XXXX XX   XXX   XXXXX XXX XXXXX XX X      XXXXXXXX XX   X X X          X   X X XXX X            X   XX         XX X        X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

RAC     XX      X                       X  X        X X X         X                                              X X      X       XXX
RAO     X    XX X      X           X       X                    X X X X  X           X                 XX        X  X         X
RAR                                                                                              XX       X X     X  X          X
RDP                  X X       X X    X          X     X     X X     XX  X      X   X     X    X   X       X          X          X X        XXXX X
RDT   X XX        X XXX       X  X    X  XX  XX    X XXX     XXXX XX XX                                 X
RED   X XX             XXX    X X XXXX X  XXX XXX      XXX     XXXX XX XX  X  X       X X XX     X  X  X XXXX X X  XXX       X    X     X
REF   XXXXXXXX XX   XXX     X X XXX   X  XXX XXX  X X X    XXXX XXXXXXXX  XXX     XXXXXX   XXX XXXXXXXXXXXX XX XXX X XXX  XXXXX X
RIV   XX       X          X         X          X    X    X                  X                       X X    X           X  X          X
RIY     XX     X X        X                              X     XXX      X  X  X X                X    X   X X      XX XX X           X
RJF   XXXX XXX X             X     X XX XX XXX   X  XX XXX  XX XXXXX X XXXX XX   X           X X XXXX     X  X XXXXXXXXX  XXXXXXXXXXXXX XX

RLO        XXXX XX X    X  X   XX XXXXXX XX   X    X     XXXX X   X
RMO     XXX XXXXXX XXXX XX XXXXXXXX  XXXXX XX XX  X XXX  XXXXXXX XX XX X   XX     XXX    X XXXXXXX X XXX X XX  XX XX   XXXXXXXX XXX
RMW   XXXX     X X  X     X XXXXX XX XXX XX  XX       XXXX       XX  X     XXX          X X     XX X  X X X X  XX XX   XX  X X   XXXXX   XX
RND    XY        XXXXXXX   X XXXXXX   X X X X X  X XX   X   XXX      X   X          XXX  X      X X      XXXXX  X    XX X X      X     X  X
ROB    XXXX  XXXX  XX                X    X   X     X       X X X     XXX     XX X   X    X   XXX  X         X   X XX XXXXXXXXX XX
ROCH     X X XX  XXX XXX  X   X  X   X   X XX XXX    X    X X       XX            X         X XXXX XX XX XX             X
ROI      X  XXX           XX     X X   X        X     X        X X XX  XXX XXXXXX  XX     X  XX X    X   X XX X   X XX   XX     X XX     X XX
RRL     XXX     XXX      X              X   X   X     X       X X X     XX            X          X           X         X      XX X       XXX XX   XXXX X X   X
RS1   X XX            XXX     X X XXX   X  XXX XXX     X X     XXX XX XX  X  X       XXX XX     X   X  X XXXXX  X  XXX X    X   X     X
RS2   X XX            XXX     X X XXX   X  XXX XXX     X X     XXXX XX XX  X  X       XXX XX     X   X  X XXXXX  X  XXX X        X     X

RSL       X  X   X                     X                          X             XX       X X              X          X  X X       X    XX X X   X
RSM                       X                                 X            X  X                            X            X  X X                  X
RSNY             XX                                                                         X    X   XXXX X  XX  X    X X X            XXX    X
RSO   X XX            XXX     X X XXX   X  XXX XXX     X X     XXXX XX XX  X  X       XXX XX     X   X  X XXXXX  X  XXX X        X     X
RSP     XX    XXX                  X   X        X       X X X      XX          X  X    X     X  X           X      XX XX   X XXX XX    XXXX X X   X
RSSD  X     XX  X    X  X XX   X XX X  XX  XXXXX  X    XXXX X X XX XX  XX  XX          XX   XX            XXX  XX XX  XX  X X   X X    X
RTBS  XX  XXXXX X XXXXXX                      XXXXX                 X           XXXXXX XXXXXX  X          XXX  XXX    XXX XX           X XX  X XXX
RTCB      XXXXXXX XXXXXX      XX              XXXXX X XXXXXXXX X      X XX XXXXX XXXXXXX XXXXX     XXX X X  X XXX XXXXX               XXXXX
RTCV                                                                                                         X X     XXX XXXX     X XX XX XX XXX
RTLL  XX  XXXXX X XXXXXX      XXXX XX XX   XXXXX X XXXXXXXX X XX X X   XXXXX XXXXXXX  XXXXX XXXXXXXX  XXXX XXXXX X XXXX XX XXXXX

RTPR         XXXXX XX XXX     XXX                        X  XXX  X         X                                         X                            X
RUP        X X       X         X    X               X    X       X XXX              X          X         X        X   XX
RUV              XX X       X  XX              X X    X    X         X      X      X                X   XX X X XXX  XX   X   XX            X X
RYD   X  X    X XX       X        X             X   X      X   X         XX    X X                                              X             X       X
SAGI    XX                 X            X    X  XX       XXXX  X X X X                                              XXX   X X    X   X              XX
SAL      X       X        X          X              X      X X     XX XX     X        X         X         X            XX       X XX   X XX  X
SALJ           X                 X X       X  X                          X  X                            X                  X                X X
SAN         X XX    XX X X  X   X          X  XXX     X  X XX     X             X       X X  X XX XX X                 X     X         X  X
SAP     X  X X X   X      X     X          X X X        X          X  XX   X                           XX   X              X               X X X
SBA                             X          X X X   X  X X        X    XX     X                           X   XXX          X  X

SBCZ   X                  X                  X       X      X XX                                 X     X XX X          X   X  XX         X
SBF   X XXX   XXX     X X X        XX X X  X   X X X   X X X  X XXXXXXXX X XX  XXX      XX X   X X  X      XXXXXXX X XX XXXXXX XXX    X
SCM   X            X XXX    X X XXX    X XXX X X  X X       X XXX   X X    X  X          XX          X   X  X XXXXX  X  XXX X X     X     X  X
SCX   XXXX X X X XX XXXXX   XX   XXX XXX       X   X    X X            X  XX     X          X   X       XX     XX      X         X           X      X X
SDA          XX  X X     XX          X          X    X        X        X X  XXX XXX    X  X    X  XX  X      X     XXXX   X          X X       XXX
SDG   X           XX   XX    X X XXX    X X X X    X XX    X XXX     X    X  X          XX    X      X XX     XXXXX  X    XX X X      X     X  X
SDI     XXXX XXX XX X XXX XX X X XX X X XXX    XX  XXXX     XXX XX X XXXXX    X     XXX X   XX   X    X    XXXXXXXXX XX         XXXX X   XXXX
SDN     XXX    X XX X        XXXXXXXX      XXXX X     X X  X     X    X XX XX    XX          XX           XX X X XXX XXX XX  XX      X    XXXXX    XX
SDV   X     X     XX X       XX  XX XX       X    X    X  X X X          XXX XX      X           XX   XX    X   X XX X     X       X   X     X   XX XXX
SEK      X  XX X             X      X           XX  X X    XX    X             X XX      X            X      X           X               X X             XXXX

SEM     XXX XXXXXX X   XX XXXX XXX   XX   X X X XXX   XXXXX       X
SES   X XXXX X XX X      X X  XXXXX XXX XXX XXX X XXXXXX XX X X X XXXXX XX   X     XXX    X   XXXXXX XXX XXX XXXXXX   XXX XXXXXXX    XX
SEW   X XX            XXX     X X XXX   XX XXX XXX      X                   X  X          XXX XX     X XX  X XXXXXX X  XXX X X      X     X
SEY    XXX XX X              X    X     X                                X X   X            X       X        X X                       X XX
SFI     XX XXX XX     XXX    XX     XXXXXX XXX XXX XX X XXX  XXXXXXXXXXXXXXXXXXXXXXXX XX  X XXX  X        XXX XXXXX   X X XXXX  X XXXX
SGKT    XX   XX X X                      X X       XX XX    X     XXX   X     X      X
SGO     X   X X     X     XXX         X  X     XX   X     X     X   X X      X X   XXXXXXX X X   XX   XX X XXX    X X    XX X XX X       XXX        XXX
SGS               X               XXX XX XX  XX                              XXX                       X   X              X X     X      X    X XX
SHE     XX   XX XX X    X          XX          X X X    X   X          X     X X     X  XX                X X X X        X                X X     X   XX
SHI     XX XXXXXX      XX         XX X           XX X   XXXXX XXX     XX   X X    X         X     X X    XX X X XX X   X   XXXXXX X X     XXXXX X   X

SHK     XX     XXX   X          X   X           X X X       X XX     X     X  X   XX     X                       X        X        X  X               X
SHL                 XXXXXXXXX                             X      XXXX   XX XX X XX
SHMJ           X                     X X        X   X                    X     X  X X                                        X                     X X
SHNJ    X    X XXX   XXX     X XX X            XX  X       X X        X X X   XX     X          X               X X          X  X       X X          XX XXX   X X
SHW      X X X X   X         X  XXXXX          XX    X        X   X XX     X          XX                X     X    X  X X XX XXX   XX XX  XX             XXXXX    XX
SHWJ    XX     X                     X           X                       X     X   X                                                  X
SIM     XX   XX X                    X      X    X    X    X       X X   XX    X X   X X   XX                 X        X     X   X            X X    X
SIO                       X   X   XX XXXXX   XX   X    X       XXX   X   X     X XXXX           XX        XX XX   XX      XX      XXXXXX    X X  XXXX
SIT    XXX X X XX X X     XXXXXX X        XXXXX    X      XX X XXX   X XX XX     XX           X          XX XXX  XX     X XX XXX     X     X XXX    XX
SIV            XXXX XXXXX XXXXXXXXXX X XX    X XXXXXXXXXXXXXXXXXXXXXXXXX                 XXXXXXXX XXXXXXXXXX  XXXXXXXXX XXXXXXXX

SJG       XXXX                  X  X          X        X    X   X            XX          X                             X                      X X    XX
SJS             X     X           X                          X          X  X       XX             XX                         X    XX X   X        XX  X
SKI               X        X     X         X       X XX  XX                XX  X              X             X                 X XX    X     X
SKO   XXXXXXXXXXX XXX XXXXXXXXXXX XX   XXX X  XXXXX     X XXXX XXX XXXXXXXXXXXXX XX XXXXXXXXX XX XXXXXXXXXXXXXXX  XX X XXX XXXXX
SKR     X  XX   X                      X                 X        X     X X   X         X      X                     X X  X
SKT   X X          X XXX    X X XXXX XX XXX XXX   X XXX    XXXXX XX XX  X  X     XXX XX      X XX  X XXXXXX X  XXX X X X    X     X  X
SLB   X                        X                          X                                 X                 XX      X              X     X        X
SLE     XX       X  X         X X X X   X                 X  X X X X  XX  X X X  X  X       X               X              X XX X X X  X   XXX XXX
SLKM  XXXXX   X X XXXXX     XXXXXXXX XX XXXXXXX   XXXXXXXXXX XX XXXXXXXX  X        XXXXXX   XXX XXXXXXXXXXXX XX XXX X XXX   XXXXX X  X
SLM     XX    XX X  X            X            X X X X     X    X       X X  X      XX                  XXX X  X      X   X    X         X X
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30

SLR   X     XX            X     X          XXX X XXX  X  XX      X  XXXX                X XX X  X XX X  X  X X XXXXXXX       XXXXX  XX
SMF   XXXXXXXXXXX X  XXXX     XXXX XXXXXX  X X X  XXXXX  X XXXXXXXXXX XX        XXXXX XXXXXX XX XXXX XXXXXXXXX XXXXXXXXXXXXX XX
SML   X X       XX XXX   X X XXXX XX XXX XXX  X XXX   X XXX XX XX  X  X       XXXXXX    X XX  X XXXXX  X  XXX X X    X    X  X
SMY    XX XX X XX X      XXXXXXXX X    X X X   XX   X   XX   X X XXX   XX       X       XX XXX XXX   X   X   X    X   XXXXX
SNA    X X   XXX            X          X     X         X     XX        XX        XX      XX X XX X  XXX XX  X          X   X
SNF                                                                   X  X         X      XX  X X XX  X  XXXXX     X   XX X
SNG   X XX X XXX   XX  X X XX X XXXXX  X X XXXXX  XXX X  X  XX X  XX  X       XX XXX   XXXX X XX X  X  X               X X
SNY   XXXXXXXXXX  XXX X XXXX XX X  X XX X X X XXXXXXXX  X XXX XXXXX   XX X  X X X  XX XXX X XXXX X XXXXX X XX XXX    X  XXXXXX    X
SNZO   X                    X       X X X X   X                 X                          X X X  X       X  X         X
SOC     XX  XX X  X             X     XX  X X X   X  X X X  XX  X X  X X   X                X  X        X  X           X

SOH   XX X XXX XXX XXXXXXX XXX X  XXXXX X XXX XXXX XXXXXX   X X X  XXX XXX X     XXX       X XX XXX XXX XXXXXX        X XXX XXX
SOI    XXX X X X       X   X XXX  X   XX  X     XX XX XXXX    XXXXXX XXX  XXX XX XXXXXXX X  XX    X XX XXXX X      XXXX X  X XXX
SPA   XXXX XXXXXX X XXXXXXXXXX XXXX XXXXX XXXXX XXXXX  X XXXXXX XXXXXXXX XX    XXX   X  XXXXXXX       XXXXXX  XXXX      XXX XXXX X
SPC    XXXXXXX XXXX  XX X                               XXXXXXXXXX XXXXXXX XX X   X XXXX X XXXXXXXXXX                    X
SPU   X XX      X XXX   X X XXX  XX XXX XXX  X XXX    XXXX XX XX  X  X     XXX XX    X XX  X XXXXXX X  XXX X X    X    X  X
SQTA       X  X            X          XX  X    X    X       XX  X  X  X    XX  X       X X        X      X   X        X
SRN        X     X    XX       X            X                 X     XXX X X   X  X      X X X     X XX  XXX  XX       X X      XX
SRO    XXX X X XX XXXXX  X  XXXXXX          X XXXX X  XXX X X XX X  XXX     X X X  X XXXX X XXXXXXX X     X     X X XXXXX    X
SRS   XX X XXX XXX XXXXXX  XXXXX  XXXXX X X X XXXX X XXX    X XXXXXXXX XXX XX XXXXXX XX XXX X XXX X XXXXXXXXXX  X X X XXX XXX
SRU   XXXXXXXXXXX XX X XXX XXXXXX XXXXXXX XXX XX XXXXX XXX XX XXXXXXX XX X     XX   X  XXXXXX XXXX XX XX XXX  X X  XXXXXX XXXX

SSE   XXXXXX XXXXXXXXXXXX XXXXXXX XX  XXX XXXXX XXXXXX XXXXXX X XXXXX XX XX   XXXXX XX XX XXX XX XX X XX XXX XX X    XXXXXXXXXX
SSF   XXXXXXXXXXX X  XXXXX XXXXXX XXXXXX  X  XX  XXXXX  XXXXXXX XXXX XX       XXXXX XXXXXX XX XXXX XX XXXXXX XXXXXXXXXXXXXX XX
SSK          X XX X X XX X  X  XX  X  X XXX   X       XXXX   XXX    X    X    XX   XX XXXXXXX XX XXX  XX XX   XX       XXXXXXXXXXXX
SSR                 X X X*  X   X  XXX  X  X    XXX X X X      XXX  XX  XX    XX    X                                            X   X
STCO        XX X     X       X         X XX           X            X X     X   X  X                X         XXX     XX    X    X    X    XX
STK   XXXXXXXXXXX XXXX XX XXXX XXX  XXXXX XXXXXXXXXXXXX XXXXXXXXXXXX XXX XXX  XXXX      XXXXXXX XXXXXXX XXXXXXXX  X XXXXXXXX   XX
STS                                    X        X  X  X  X      X   X                      X  X     X  X  X       XX X X XX
STV    XXXX  XXXX  XX           X  X  X     X X    X X X     XXX     XX X  X    X  XXX  X         X  X XX XXXXXXX X XXX  XXXX XXX    X
SUA   X X        X XXX    X X XXXX XX XXX XXX  X XXX    XXXXX XX XX  X  X      XXX XX     X XX  X XXXXX   X  XXX X X X   X     X  X
SUE     X             XX X    X              X         X                  X XXX    X  X                       X        XX  XX     X  XX    XX X

SUR          X X        X     X               X                                                    X                  X                 X  X
SVA     X     X                  X       X     XX X       X       X X        X                 X X          X        X X        X  X               X        X
SVB   X                    X                          X       X        X  X                             X    X        X                        X
SVE    XXXXX XXXX X XXX   XXX XXXX XX   X  X  X  X  X  XXXXX   XXXXX X XXX   XXX          XX     X XXXX X XXX    X XX XX    X X    XXXXX
SVST     X   X X X    X    X X      X    X X     X    X X    XX  X  X X  XX           X  XX               X  X        X X  XXX              X
SVV                        X                          X              X  X                           X    XX     X                X     X         X
SVW   XXXXXX X XX XXXX XXXXXXXXXX XXXXXXXXXX XX XXXX X X XX XXXXXXXX   X X       XX   X   X XXXXXXXXXXXXXX XX X X X XX    XXXXX X XX
SWI                                                                                                           X    X                         XX XX X
SYI   X XX           XXX        X   XX  X   XXX XXX      X X        XX   X XX           XX X       X   X   X X XX     X   X X                   X
TAB     X    XX X                          X       X         XX               X                  X                                                  X

TACH     X X XX   XXX XXX  X           X XX XXX    XX XXXXX XX XX          XX      X XXXX XX XXXXX           X     X X        X  X   XXX  XXX
TATO                          X       X  X         XX X XXX XX X X      XX        X XX X X XX    X X X  X X          X X X       XX        X   X
TAY    X X   X   X   X          XX        X X X X
TAZ      X   X                  X                          X          X X      X   X        X X       XXXX XX X X   XXX              X XX          X
TBH               X    X                       X     XXX        X                  X    X        X XXX                  X            X
TBR          XXX              X  XX X     XX  X    X    XX X             XXXX               XX     X  X X      X       X X    XX      X     XXXXX     X
TCE   X           X    X    X                   X    XXX        X                  X X    X        X XXX                  X     X       X
TCF   XXXXXXXXXX       XXXXX X XXXX XXXXXX  X   XX XXXXXX   XXXXXXXXXXXX XX   X     XXX X X XXXX XX XXXX XX XX XXX   XXXXXXXXXXX     XX
TCW      XX X   X    X X XX             XX X    X        XXX     XX   X XX  XX  XXX      XX X      XXXX   X XX   X XXXX   X XX    X X   X         X
TDS    XXX XXX              X       X X   X        X     X       X XXX      X XXXXXXXX XX X XX  XX X XXX      XX      X XX X X         XXX       XX

TEH          XXXXX              X          X                X          X                     X XX        X X   X              X   X         X
TGL              X    XX   X X XXX       XXX X X     X        XX      X     X              XX           X   X      XXXX    X         X X       X
TGY         XXX X   XX  X XX X X  XXXXXXX X XX  X   XXX X  X X XXX   X  XX         X  XXXXX X XXXXXX XX X XXX XX X  XX     XX  XXXXXX
THE     X      X  XX XXX XX  X X X  XX  XX   XXX X X  X X X X      X X      XXX X    X  X      X X    X X     X      X    XX XX     X X     XX    X
THY                  X       X              X X     X              XX                                                  X X         X     X
THZ    X X  X        X X     X   X        XXXX X XXX     XXXXXX XXX  X XX    X    XXX    X     X  XXXXX   XX   XX XXX   X             X   X           X
TIA    XXXXX XXX   XXXXX X X  XXXX XX   X X XXX X   XXXXX  X X X X  XX    XX X     XX  X   XXXXXXX X XXX XXX XX XXX     X XXXXXXX
TIC   X XX X XXX  X XXXXX XXXX XX   X XXX X XX  X XXXX  X  XX X X XXXXXXXX       XX X XXXXXXX X  X   X X  X   XXX X X  XXXX X     X
TIK             X  X                                            X                                     XXXX X XXX       X                XXXXX
TIO    XXX    X  X X  X XX XXXXXX X XX X  X XX X X  XXXX X  X  X  XXXXX   XXX X  XX   XX X XXXX  XXX  X  X XXX X XX XXX XX X   X

TIR          XX  X X     XX          X               X    X          X         X X  XXX XXX   X  XX  X     X X      X XX XXXX    X            X      XXX
TIY   XXXXXXXXXXX X XXX XXXXXXXXX XXXXXXX XXXXXXXXXXXX XXXXXX X XXX  XXX XX  XX XX XXXXXXXX XXXXXXXXX XX XXX   X XXXXXXXXX  XXX
TKL   X X  XX  XX X         X XX XX  X  X X X   X  XXXXX X  X    X XXXX  XX         XX    X  XXXX    X       XX X    XX       X     XXXXX
TKSJ    X      X X  X          X   X            XXX    X    X           X X  XX               X                  X     X          X                 XX XX      X
TLC          X              X                 X       X  X X        X                              X        X X  X    X      X    X  XX           X
TLG     XX X XXX            X   XX      X   X X X X X    XX       X    X X     X  XX                  X  X X        X   X    X   X X    X   X
TMA     XX X X X         X          X X  X        X    X  X X X X  XXX X X  X XX           X            XX                X XX X X X   X   XXX XXX
TNE                                  X XX                                         X  X                                                          XXX
TNP   XXX XX XXXX X    XXXXX XX XX XXXXXXXXX X                                      XX    XX XXXX   XX XXXXXX XXX   XX XX   XXX     X XXXXXXXXXXXX
TNR    X X  XX                      X   X    X    X    X     XX  XX        XX                              X    X  X       X  X

TNS                  XX          X X          X              X                 X                                                          X     X       X
TOA    X XXX     XXX XXXXXXX X XXXX XXXXXXXXXXX XXXXXX  X XXX   X XX   X   X X      XXXX          X XXXX   XXXXXX XX XXX XXXX     XXXXX XXXX
TOD           X      X            X     X                        X   X  XX                  X                      XX
TOL     X      X XX X X  X XX      XX   X    X       X X    X X          X X   X X    X   X     XX  X     XX X        X    X   XX XX       X X X XXX   X
TOO    X X   XX       X  X XX   XXX   XX XX X X X    X   X X X  XX XX XXXX X X X XXXX XX  X X    XXXX X XXX   XX   X   XX       XXX XXXX    X
TOUF     XX  XX             X                         X      XX  X          X                             X      X          XX X
TOV   X  X X    XX X      XX XXX XX        X             X X X         XX XXX    X           X   XX   X   X   X X    X        X         X    X  XX XX
TPE          XX      X      XX         X                X       X         X X   XXX X X    X   XX  X   XXX X         XX XXXX   XX         X X       X X
TPNV                                                                                          XXX XX XXX      XX    XX         XX XXXXXXXX
TPP                X    X                                X     XXX         X                X X     X      X XXXX      X          X     X       X
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DATE   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
TPT                XX X     X  XX            X X   X    X        X      X      X                 X  XXXX X XXX  XX  X  XX           X X
TPX     XXXX X X XXXXX XX X  XX XXXX XXX   XX        X X        X  XX       X      X    X      X          X          X          XX  XX    X XX    X
TRF     X             X XXX   X X XXXX  X XXX X X  X XX     X XXX  X XX  X  X        XXX  X      X XX     XXXXX  X    XX X X     X          X
TRHT       X   X X XX  X    X X     X    X X    X    X X    XX  X  X X  XX            X  XX
TRI      XXX XXX X  XX  XXX XX XXX   XX XXX X   XXXX XXX XXXXXX XXXXXX XXXX   XX XXX X XXXX XXXXX XX   XX   X XXX       XXXXXXX   XX
TRN     X             X    X     X                  X    XXX        X                X X X     X       X XXXX      X           X    X     X   X XXX
TRO        X      X                        X          X         X          X     XX                           X   X   X        X     X    X             X   X
TSM        X    X X   X            X X        X X XX  X X   XXX  X    XX   XX                X          X
TSRJ     XX  X XXX  X X    X XX X     X      XXX    X     X         XX X XXX    X          X X      X   X X    X       X       X          XXX XX   X  X
TTA     XXXXXX X X XXXXX XXXXXXXXXX XXXXXXXXXX XX XXXXXX XXXX XXXXXXXX XXXX       XXXXX   XXX X XX XXXXXXX XX XXX XXXX   XXXXXX X XX
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
TTG     X XXX XX     X      XX       XX XX     X     X     X       X X  XXX      XXX  X XX   X   X   X   XX   X XXX             XXXX   X XX       XXXX X    XX
TTH      X X  X        X                       X                          XX   X     X XX    X   XXX      X              XXXX X X  X  XXX     X         X XX           X
TUL     XXXXXXXX XX X    X XX   XX XXXXXX XX   X X X    XXXX X   X X X XXXX X           XX     X XXXXX   XX     XX XX XXXXXXXX X XXXXXXX XX
TUZ      X X    X            X                     XX        X X    X     X                                X   X                           X                    X
TVO                             X           X          X               X      X       X            X   XX       X                   XX            X X
TWC     X                                  X             X                X                   X                  X      X               X X                   X
TWD     X                                                X                X                   X                  X      X            X X X                  X
TWO     X                                  X             XX               X                                      X      X            X X X
TYNO           XXXXX        X    X   XX X    X XX  X          X                  XXX             XX  X                X       XXXX  XXXX    X     X  XX     XX
TZL     X            X     XX    X X  XX      X X X X          X XXX     X     X   X           X                X   X       XXXX  X     XX X X       X           X
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
UCC                                                                                    X                            XXX X X X    X   X  XX       X   X   X
ULC     X XXX XX     X      XX       X XX    X    X    X      X      XXX     XXX  X XX   X   X   X  XX  X XX              XXXX         XX       XXXX X    X
ULM     X XXXX X XX     X  XX    XX XXXXX   XXX X X X     XXXX XX       X XXXX   X            XX    X  XXXXXX  X      XX XX X X   XXX   XXXXXX X XX
UNM     X X          X   X       X  XX  X   X          X X              XX       X                   X         XXX   X    X     X     X X X XX   X X
UPP      XXX X X XX XXXXXX XX XXXXX X     X    X X     X X X  XXXXX X XX X  X          XXX   X   X XX X     X   X  XX XX  X X  XXX XX
URZ      X      X          X     X  XX  X    X    XXX     X X XX  X  XX   XX X  XX     X   X      X X X             XXXXXXXXX   XXXXX X  X   XX
UTU            X                                                       X                                    XXXX XX    X  XXX             X  X
UYO     X XXXXXXX        X   XX XX  XX XX    XXXX      XXXXX     XX      XXX                               X XX     XXX
UZD      X X  XX X       X         X XX  X   X    XX   X   XXX X   X      X X  XX X
UZH           XXX XX X   X  XX   XXXX XX  X X X    X   XXX X   XXX X X XX X  X          X          XXX X    X     X   X  XX       X X X  XX
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
UZU       XXX    X XXX XX   XXXX X XX                                X XXX X         XXXX          X X      X  X X  XX      X XXXXX XXX   XX XX
VAH                  XX          X  XX            X X    X     X                     X       X             X  XXXX X XXX   XX   X   XX            X X
VAI      XXX         X                                   X   X    X      XX   X XX X  X                                    X   X   X XXX X   X XXXX   XX     X
VAL      X           X                  XX               X        X      X     X
VAO     X      XX XX   X         XXX          XX            X                                    XX X   X XXX   XX X      XX   XX       X    X X   X
VAY      XXX XXX XXXXXXXXXXX XXX XX XXXXXXX XXX XXXX XXX X XXXX XXXXXXXXXXXX XXXXXXXXX XXXXXX X XXXXXXXXXXXXXX    X X XX  XXXXX
VBY      XXX XXX  X X  XX XX    X X       X X X    X   XXX X XX XX   X XXXXXXXX     XX      XX    X XXX    XXX   XX XX XXX     X XXXX XX   X
VCR       X X  X XX XX        X                  X                X            XX        X          X XX                        X    XX X   X X    XX
VDL                  X       X          X  X               X  X X X X  XX  XXX  X  X            X            X                X X  X X X      XXX X
VGB        X X    X  X       X  X X     X  XX                             X          XX               X    X   X    XX  X       X   X    X      X   X  XXX
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
VITF     XXX  X  X               X X    X               X    X      XX  X X  X            X             XX       X X     X         X               XX  XX
VKA            X      X    X X  X X X          X XX    X          X      X     X  X X     X              XX        X            X    X   X   X        X XXXXX
VLI      XXX XXX XXX XX   XXXX X  X XXX X    X X XXX X XX X   XXXX X     X XXX X X   XX X X XXXXX   XX X XXXX XX XXX        X           XX
VLO            X      X     XX        X                X                X        X X XX        X    X    X    X        X X  XXX    XX          X             XXX
VLS      XXX XXX X X XX   XXXX X   X  X X    X X XX     X      XXXX          X XXX X XX XX X X XXX X   XX X XXXX   X X X          X X      XX
VLZ     X X        X  XXX    X X XXX    X XXX XXX  X XX      X XXX  X XX  X  X      XXXXXX     X XX   X XXXXX   X   XXX X X      X       X   X
VOY      XXX XXX XX X  XXXX X   X XX      X X XX  XX XXX X XXXXX XXXXXXX XXX     X    X XX   XX XXXX   XXX   XX XX XXX   X X XXXX XX  X
VRI      XXXX XX X XXX           XXXX XXXXXXX XXXXXXXX X X XXXX X X XXXXXXX         X XX   XX   XXX X XXXXX X   X   X       X X XXXXXXX
VUN      X      XX                     XX     X      XX X     X X  XX  X        X        X       X X    X     XX         X X X       X   X              X         XX
VVI                X        X            X        X          X      X X     XX  X          X                   X          X X                                   X
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
VVO     XXXXXXXX XX X    X   X   XX XXXXXX XX  X          XXX  X  X X X XXXX         X XX     X     XX  XX   XXX X XXXX XXXX X XXXXXXX
WAHZ     X XX X        X   X                 X           X           XX   X    X XX   X  XXX     XX          XXXXX XXXX X   XXXX  X   X     X XX          X
WAJH    X XXX XXX X             X      X   X    X X                       X                 X          X     X    X      X       X        X  X X    X          X  X
WARB     XXXXXXXXXX XXXXXXX            XX  XXXXXX XXXXXXXX XXXXXXX XXXXXXXXXX XXXX XX XX X   XXXX X XXX XXXXXXXXXXXXXX   XXXXXXXX XXXX
WATA           X  X                   X           XX  X         X         XX  X  X   X     X    X             X X          X       X
WB2     XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX     XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
WCZ      X X  X                X           XXXXX X X X          X      XXXX    X  XX     X           XXXXXXX        XXXXX  XXXX           X                X
WEL            X        X                     X                    X              X           X     X                                X  XX     X  X                      X
WET       XX   XX X              X X  XX   XX X     X        X X X  XX   XXX  X  X           X  XX      XX                X X                X     X     X
WHH            X                                           XX    X    X XX        X        XX          XXXX X                X          X  X
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
WHN      XXX X XXX   XXXXX X XXXXX X  X   X X XXX X XXXXXX XXXXXX X XXX      XX   X   X XXX   X   XX X X XX X   X   X  XX         XXXXXX      XX
WIN         X  X X          X     XX                  X                                   X          X     X XX XX             X XXXX              XXX
WIT      X X  X  X  X              X X     X     X      XX X X   X        X X  X  X                                X     X      X   X  XX    XX  XXX X
WIZ                                                                                                        XXX XX    X   XX                     X            X
WKYJ      X      X X   X          X  X         XXX   X  X X          X X   XX              X          X      X     X         X   X              XX XXX X   X
WLF                                                      X                                         X XX XXXXX  XXXX   XXX X XX XXXX XXXXXXX
WLVO           XXXX      X   X    X   XX X    X XX  X            X               XXXX      X   XX   X              X       X X  XXXX    X    X  XX      X
WLZ      X      XX       X    X                X    X X    X    X          XX  X XX   X  XX              X     XXXXXX XXXXXXXXX  X          XX              XX
WMQ     XXXXXX XXXX XXXXX XXXXXXXXX XXX XXXXXXXXX XXXXXX XXXXXX XXXXX  XXX XX   X X X  XX X XX XXXXXXX X XX XXX XX XXXXXXXXX     X
WRA     XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   XXX XXXXXXXXXXXXXXXXXXXXXXXXX
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
WRG                 X    X         X   X        X X X                XX      X    X                  X                      X X            X
WRH                  X   XX     X X  XX     X X X XXX  X XX        XXX       X    X             XXX          X XX      XXXXXX X  X X X X       X        X   X
WSI                                                                                  XXX           X                               XX XXX            X
WTS      XXXXXXX X   X            XX XX XX XX    X   X  XX X X  XX  X XXX  X  X X X      X   X X   XXX   X X XXXXX   XXXXXXXXXX XXXXXX X
WTTA       XXXXX X         X         X XX XX   XX XXX  X   X X X X  XX   XXXX X  X   X X  XXX X          XXXX XXX X X XX XXX XX     XXX XXX X
WWKK       XXXXXXXX XXXXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXX XXXXXXXXXXXXXXXXXXX XXXXXX XX X X XXXXXXX X XXXX
XAN     XXXXXX XXXX XXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXX XXXXX    XX XX  X XXX  XXXXX    XXXXX XXX XXXXXX  X XXXXXXXXX  XXX
XLV     X                          X                                     X      X                   X              X       X X  X              X                          X
YAH           X       X    X        X   XX       X X X X    X          XX     X   XX               X   X            X   X        X X            X    X
YAK      XXXXXXX     X XXX XXXX XXXX XX  X X X  XX  XXX X  X XXX X XXX     XX              XX     XXXXXX X XXX    X XXXX XX X X XXXXXXX  XX
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DATE  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |24 |25 |26 |27 |28 |29 |30
      ------------------------------------------------------------------------------------------------------------------------
YAMJ   XX  XXXX   X     X   XXX  X X   X  XXX   X X  X      XXX X XX  X  X     X X      XX XX     X X   X    X  X   XXXXX XX     X
YKA   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXX
YLV    XXXXX X X   X   XX XXXX X   XX XX     XXXX      X XXXX XX X X X XX X XXXX X X X  XXXX   XX      XXXXXX  X  XXXX   XX  X
YONJ          X X  X       X  X          XXX   X    X        X X  XX          X            X   X     X              XX XXX    X
YSS    XXX XXXXX  X X    XXX XXXX  X  X X X XXX  XXX X  X XXX X XX   XX       XXX   X XXXX X XXX   X XX XX      X  XXXXXX
YYYY   X XXX X X X XX   XX XXXXXXXXXX XXX                      X   X  XXXX X  XXXX  XXXX     XXXX XXXXXXXXX XXXX  XX XX XXXXXX
ZAG    XXX  XX X  X  XX      X X              X    X X    XX  X  X X          XX  X   X XXX   X X   X  X  XX      XXX   X
ZAK    XXXXX XXXX X XX  XXXXXXXXX XX      X XXX  XXXXX  XXX X X XXX  XXX         XXX   X XXXX X XXX   X XX XXX  X X XXXXXXX
ZLA     XX X   X  X        X X X  X           X  X   X X  XX  X X  X  X                  X          X X  X X X  X  XXX XXX
ZNT       X   X                   X   X               X   XX   X    X                     X            X   X             XX
      ------------------------------------------------------------------------------------------------------------------------
ZOBO  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXX
ZON   XX XXXXX  X XX XXX            XX     XX   XX XX XX X  X    X X   X  X XX X  X X  X  X X XX   XX  XXXXX  XXX   X X X XXX
ZST    XXXXXXXXXXXXXXXX             XXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX   XXXXXXXXXXXXXX
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The following stations each reported less than 10 readings:

AAK	ABHA	AEKI	AGMR	AGRW	AKH	AKKT	AKSR	AKUR	ALE	AMAN	ANMO	ANMR	APM	APO	APR	AOBJ	ARO
ASR	ASW	ATA	AVN	BADA	BAG	BALA	BBB	BBJ	BBL	BCA	BCPM	BDBC	BDF	BERF	BERT	BFS	BFT
BGB	BGIO	BGM	BGMT	BIR	BJO	BLE	BLG	BLN	BLS	BMA	BMTN	BOH	BOM	BOT	BPBC	BPI	BPO
BQB	BRNI	BRS	BRVW	BSD	BST	BTB	BUC	BUNI	BURJ	BUT	BVW	CBB	CBM	CCW	CDFW	CDH1	CFTV
CGL	CHIE	CIS	CIW	CKO	CLK	CMB	CME	CMW	COLF	COR	CPK	CPW	CPY	CPZ	CRF	CROR	CSTJ
CTAO	CTB	CTFE	CTGM	CTS	CUSS	CVT	CYK	CZM	DAF	DAO	DAV	DBO	DES	DHB	DHH	DHLJ	DHR
DHW2	DIM	DLB	DPMT	DPQ	DSVT	DTMT	DVD	DWY	EBG	EBI	ECO	EDB	EDI	EDM	EDR	ELT	ELYF
EMEL	ENSF	EPH	EPR	ERC	ERK	ERM	EROQ	ESD	ESEL	ET3	ETB	ETER	ETW	FAI	FBO	FG2	FG4
FL2	FLAS	FMA	FMT	FMW	FRB	FUQ	FYU	GBL	GBR	GCM	GDR	GELF	GFP	GGC	GL2	GLH	GLK
GLR	GMB	GMN	GMO	GMR	GRA2	GRB1	GRB2	GRB5	GRC1	GRC4	GRM	GRN	GRO	GSC	GSH	GSM	GT2
GUAC	GULW	GWY	HAE	HBMT	HBO	HCG	HDW	HKL	HLBJ	HMDT	HOJ	HOLB	HON	HRY	HSO	HSR	HTW
HVD	HYF	HYT	IAS	IIS	INK	ITB	ITB1	ITB7	JAU	JBO	JCW	JLK	JMI	JON	JOZ	JRDJ	KALI
KBR	KCHT	KDZ	KEDI	KFNJ	KIP	KKH	KMOR	KOSW	KRNA	KRO	KSI	KSU	KUG	LCCM	LCL	LFU	LHE
LIO	LIS	LISJ	LLAV	LMW	LNOR	LOCW	LOP	LPD	LRCZ	LRW	LSM	LSPF	LTMT	LVI	LVP	MAK	MBW
MBZ	MCA	MCMT	MCY	MDI	MDM	MDN	MDSJ	MDW	MEMT	MEW	MFT	MGB	MHA	MJ2	MJMA	MKA	MKL
MKRJ	MKS	MKT	MLH	MMB	MMR	MNB	MNO	MNT	MORO	MPOR	MRSJ	MSCZ	MSI	MSP	MTMW	MTUR	MUB
MVIF	MWC	MXC	NAC	NAO	NAQJ	NCOR	NDE	NLO	NLW	NOP	NRN	NSS	NVS	OAR	OBO	OD2	OKH
ONR	OOW	ORX	OSD	OSR	OT2	OTT	OZB	PACI	PANV	PAS	PAT	PATW	PCA	PCF	PCJ	PCM	PCO
PEM	PENI	PERF	PFO	PGB	PGO	PHC	PIG	PLBC	PLD	PLL	PNL	PRAF	PRN	PRW	PSI	PTS	PUK
PUYF	PVL	PVPS	PVRC	PZI	QASM	QCP	QTFJ	QTRJ	QZA	RC1	RDJ	RDN	REMR	REMW	REVF	REY	RFI
RGS	RKG	RMN	RNO	RPW	RSTA	RSW	RUWJ	RVC	RVW	RZN	SALF	SAM	SAOF	SAW	SBC	SCE	SCN
SCY	SDH	SEG	SFS	SGE	SGH	SHO	SJAS	SJI	SLKI	SLW	SMW	SNS	SONG	SOSW	SPRG	SRBF	SRDI
SRE	SSB	SSN	SSOR	STB	STD	STH	STR	SURF	SWZ	SXM	SYA	TAHZ	TANI	TAT	TAU	TAVF	TBI
TBM	TBT	TBY	TCBC	TCC	TCO	TDD	TDH	TDL	TEHZ	TIM	TIN	TKO	TLB	TLE	TME	TMO	TMW
TNH	TPI	TPRS	TPU	TREF	TRQ	TUC	TVI	TWF1	TWG	TWK	TWL	TWM1	TWW	TWZ	TXNY	UDU	UER
UKR	UMT	UPA	UOSK	USI	VBEM	VDCF	VFP	VILF	VIPM	VIR	VLA	VLL	VLMM	VPD	VSM	VTG	VTHM
VTS	VZW	WAH2	WAR	WCT	WEO	WG3	WIW	WLS	WMOR	WPW	WRD	WTV	YEL	YHJ	YKU	YKW3	YPE
YSA	ZGN																