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GEOLOGICAL SURVEY

EARTHQUAKE DATA REPORT

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by

U.S. Geological Survey

NATIONAL EARTHQUAKE INFORMATION CENTER¹

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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 Bayesian 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_s). 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 $20^\circ \leq \Delta \leq 160^\circ$, 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 $\Delta \leq 5^\circ$. 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 ($^{\circ}$) 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, pRPPK represents the phase pPKPPK and RRPg represents PgPgPg.

References

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- 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.
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JUN 01, 1991 00h 15m 21.20±1.73s
49.443 N ±19.4km 6.578 E ±10.0km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
MD 2.2 (UCC).

WLF 0.36 309 iPd 15 27.93 -0.6
iS 15 34.44
MEM 1.22 343 iP 15 44.30 0.4
ENN 1.39 343 ePn 15 46.50 -0.1
0.5s 12.00nm
eSn 16 07.00
DOU 1.44 298 Pc 15 47.80 0.5
GRF 3.03 84 ePg 16 10.00 -0.1
eSg 16 49.00
S.D. = 0.6 on 5 of 5 obs.

% JUN 01, 1991 00h 16m 48.38±3.23s
40.295 N ±8.4km 25.986 E ±27.3km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
MD 3.3 (ISK).

EZN 0.54 151 ePg 16 59.10 -0.1
iSg 17 07.60
KGT 1.02 81 iPn 17 07.30 -0.3
MFT 1.10 63 iPn 17 09.10 0.0
BNT 1.48 87 iPn 17 15.80 0.7
DMK 2.03 41 ePn 17 23.00 0.0
CTT 2.04 65 ePn 17 23.00 -0.2
S.D. = 0.5 on 6 of 6 obs.

% JUN 01, 1991 00h 23m 30.54±1.91s
45.056 N ±7.4km 8.278 E ±18.0km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.0 (LDG)

LPG 1.16 293 Pn 23 52.90 0.4
Sn 24 09.30
LPL 1.18 293 Pn 23 53.10 0.3
SBF 1.34 207 Pn 23 55.30 0.1
Sn 24 12.80
HAU 3.24 336 Pn 24 22.70 0.3
SMF 3.48 299 Pn 24 25.80 -0.1
LBF 3.56 304 Pn 24 27.00 0.0
LOR 3.78 307 Pn 24 29.80 -0.4
BGF 4.08 294 Pn 24 33.80 -0.6
S.D. = 0.4 on 8 of 8 obs.

JUN 01, 1991 00h 24m 31.39±0.25s
41.279 N ±3.1km 19.886 E ±2.4km
DEPTH = 14.3 ± 2.1 km
3.8mb (3 obs.)
ALBANIA (391)
ML 3.2 (SKO). MD 3.9 (ATH), 3.7
(TTG), 3.5 (THE).

OHR 0.71 103 iPg 24 43.10 -1.9
Sg 24 53.20
Lg 24 54.40
ULC 0.83 325 iPg 24 47.11 0.0
iSg 25 02.65
FNA 1.23 113 ePb 24 53.00 -0.9
TTG 1.24 338 iPg 24 54.08 0.1
iSg 25 15.80
BDV 1.28 322 iPg 24 55.53 0.9
iSg 25 16.56
PVY 1.32 3 iPg 24 55.00 -0.4
iSg 25 17.75
SKO 1.35 59 iPg 24 55.50 -0.3
SKO 1.35 59 iPn 24 56.60 0.8
iSg 25 10.00
iSg 25 13.00
Lg 25 14.60
HCY 1.56 319 iPnc 25 00.48 1.8
iSg 25 25.76
IVA 1.59 0 iPnc 25 00.26 1.1
iSg 25 26.20
NKY 1.67 337 iPnc 25 01.56 1.2
iSn 25 28.66
KZN 1.73 124 iPnd 25 02.20 1.0
eSn 25 27.00
LCI 1.74 238 P 25 00.60 -0.7
eSg 25 26.40
IGT 1.78 169 ePn 25 03.60 1.8

BRY 1.90 329 iPnc 25 05.20 1.4
iSn 25 34.13
GRG 1.93 99 ePn 25 04.90 0.9
eSn 25 32.50
BRT 2.07 260 P 25 07.00 1.0
PLE 2.08 350 iPnc 25 09.10 2.8
iSn 25 38.93
KNT 2.28 92 ePn 25 09.40 0.3
BAI 2.28 267 P 25 09.70 0.6
LIT 2.30 120 ePn 25 10.10 0.6
eSn 25 41.00
THE 2.42 104 ePn 25 11.80 0.8
eSn 25 42.30
SOH 2.66 99 ePn 25 15.30 0.7
SRS 2.80 92 ePn 25 15.90 -0.6
ORI 2.88 246 P 25 19.40 1.7
AGG 2.93 139 ePn 25 19.80 1.4
eSn 25 56.60
ROI 3.05 237 P 25 19.80 -0.3
eSn 26 00.40
CSI 3.13 242 P 25 21.00 -0.1
TDS 3.15 240 P 25 22.70 1.2
HVAR 3.18 308 ePn 25 22.60 0.7
PAIG 3.19 114 ePn 25 22.10 0.1
eSn 26 02.20
MMN 3.27 246 P 25 24.80 1.6
eSn 26 03.20
CZI 3.53 236 P 25 27.40 0.6
eSn 26 12.40
SGO 3.54 260 P 25 27.30 0.3
DUI 4.10 277 P 25 35.70 0.8
RDO 4.27 90 ePn 25 36.50 -0.8
SDI 4.36 224 P 25 37.80 -0.8
eSn 26 28.10
BZS 4.52 16 ePc 25 41.00 0.2
SDI 4.58 277 P 25 42.30 0.5
ATN 4.62 229 P 25 41.00 -1.3
GZR 4.62 26 ePc 25 42.50 0.1
ALN 4.67 93 ePn 25 42.60 -0.5
AQU 4.96 285 P 25 47.50 0.3
ZAG 5.35 329 ePn 25 52.70 0.1
VBY 5.40 323 ePn 25 54.00 0.6
i 26 01.70
eSn 26 55.00
i 27 07.00

PTJ 5.43 330 ePn 25 49.50 -4.3X
eSn 26 46.30
i 27 07.00
MNS 5.50 284 P 25 55.10 0.3
ARV 5.60 296 P 25 54.90 -1.3
MFT 5.61 93 eP 25 56.80 0.3
ASS 5.66 291 Pd 25 56.70 -0.4
RIY 5.71 317 iPn 25 57.10 -0.6
RSM 6.09 298 P 26 02.20 -0.8
MLR 6.10 44 eP 26 07.00 3.7X
TRI 6.28 317 ePn 26 03.80 -1.9
iSn 27 16.30
iSg 27 57.80
CRE 6.32 294 Pc 26 05.40 -1.1
SFI 6.49 297 P 26 08.00 -0.7
eSn 27 23.00
SRO 6.63 351 eP 26 12.70 2.1
PSZ 6.64 0 eP 26 11.60 0.7
ZST 7.19 345 eP 26 03.60 -14.9X
e 27 01.70
MME 7.36 296 P 26 21.10 -0.1
FVI 7.38 318 P 26 21.40 0.2
KBA 7.46 323 iPc 26 21.80 -0.7
1.0s 10.20nm 4.9mb X
i 26 25.30
i 27 46.70
CTI 7.64 311 P 26 22.60 -2.3
eSn 27 48.70
SPC 7.91 2 eP 26 30.80 2.0
KHC 9.02 333 eP 26 44.50 0.5
e 27 17.00
PRU 9.48 339 eP 26 50.00 -0.3
HFS 19.27 351 eP 28 55.10 -2.9X
0.8s 3.80nm 3.7mb
Z 12s 0.04um
e 29 02.60
e 29 05.30
e 29 09.10
NUR 19.48 7 eP 29 05.60 5.2X
0.7s 5.10nm 3.9mb
KAF 21.22 8 eP 29 24.40 5.8X
0.7s 3.00nm 3.8mb

esP 29 27.00
S.D. = 1.0 on 63 of 69 obs.
JUN 01, 1991 00h 35m 36.35±0.60s
41.266 N ±6.9km 19.939 E ±5.2km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 2.8 (TTG). MD 2.7 (THE).

OHR 0.67 103 iPg 35 47.80 -1.9
iSg 35 57.50
ULC 0.87 324 ePg 35 51.81 -1.2
iSg 36 05.40
FNA 1.19 113 eP 35 58.50 -0.1
eS 36 16.06
TTG 1.27 337 iPg 35 58.75 -1.1
iSg 36 18.83
BDV 1.31 321 iPg 36 00.33 -0.3
iSg 36 21.06
PVY 1.33 1 iPg 36 00.10 -0.8
iSg 36 20.88
SKO 1.33 57 ePn 36 00.90 0.0
iSn 36 17.20
Lg 36 19.50
HCY 1.60 318 iPnd 36 05.16 0.5
iSn 36 29.85
IVA 1.60 359 iPnd 36 05.60 0.7
iSn 36 30.16
NKY 1.70 336 iPnc 36 06.58 0.3
iSn 36 32.08
IGT 1.76 170 ePd 36 09.90 2.9X
eS 36 33.94
LCI 1.77 239 P 36 06.50 -0.7
eSg 36 28.60
GRG 1.89 99 ePd 36 09.46 0.5
eS 36 36.86
BRY 1.94 328 iPnd 36 10.68 0.9
iSn 36 38.18
VAY 1.98 88 ePn 36 08.00 -2.3
PLE 2.10 349 iPnd 36 13.23 1.1
iSn 36 41.83
BRT 2.10 260 P 36 17.40 5.3X
eSn 36 43.50
KNT 2.24 92 ePc 36 15.42 1.4
eS 36 44.10
LIT 2.26 120 ePc 36 16.70 2.3X
eS 36 49.78
SOH 2.62 99 ePd 36 21.30 1.8
PAIG 3.15 114 ePc 36 27.22 0.4
SDI 4.62 277 P 36 48.50 0.6
S.D. = 1.2 on 19 of 22 obs.

% JUN 01, 1991 00h 43m 05.37±0.78s
42.568 N ±6.8km 13.159 E ±8.5km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

AQU 0.28 140 P 43 10.70 -0.6
eSg 43 15.80
MNS 0.40 243 P 43 13.50 -0.1
eSg 43 21.60
ASS 0.62 324 P 43 17.80 -0.1
eSg 43 28.00
ARV 0.94 350 P 43 23.50 0.1
eSg 43 37.70
SDI 0.99 150 P 43 24.80 0.6
eSg 43 38.60
S.D. = 0.6 on 5 of 5 obs.

% JUN 01, 1991 00h 46m 31.54±0.79s
38.145 N ±13.8km 15.027 E ±6.7km
DEPTH = 10.0km (geophysicist)
SICILY (398)

MNO 0.34 231 Pd 46 38.40 -0.2
eSg 46 43.20
ATN 0.34 87 P 46 39.20 0.6
eSg 46 45.00
GIB 0.80 259 P 46 47.50 0.3
eSg 47 01.00
SOI 0.81 95 P 46 46.90 -0.4
eSg 47 00.50
CZI 1.38 39 P 46 56.50 -0.2
S.D. = 0.6 on 5 of 5 obs.

JUN 01, 1991 01h 13m 02.58±0.37s
43.796 N ±4.5km 16.564 E ±4.2km

01d 01h

DEPTH = 5.0km (geophysicist)
YUGOSLAVIA (383)
ML 2.9 (TTG), 2.8 (KBA), 2.3
(LJU).

HVAR	0.62	188	iPgd	13 14.00	-1.1
			iSg	13 25.80	
8RY	1.70	121	ePn	13 31.72	-1.4
			iSn	13 55.54	
VBY	1.95	332	ePn	13 37.00	0.4
			i	13 41.00	
			i	13 44.90	
			eSn	14 04.00	
HCY	1.96	133	iPnd	13 37.47	0.7
			iSn	14 02.12	
NKY	2.03	118	iPnc	13 38.14	0.2
			iSn	14 03.87	
ZAG	2.06	349	ePn	13 38.30	0.0
			iSn	14 07.20	
PLE	2.11	102	iPnd	13 40.34	1.2
			iSn	14 06.15	
PTJ	2.15	349	ePn	13 37.90	-1.7
			eSn	14 06.90	
RIY	2.19	316	ePn	13 41.20	1.0
			iSn	14 11.70	
BDV	2.25	132	iPnd	13 41.07	0.1
			iSn	14 08.94	
TTG	2.40	124	iPnc	13 42.85	-0.3
			iSn	14 12.14	
CEY	2.47	323	e(Pn)	13 46.30	2.2
			eSn	14 18.00	
IVA	2.60	110	iPnd	13 46.89	0.8
			iSn	14 18.40	
DUI	2.64	217	P	13 49.00	2.4
ARV	2.65	265	Pd	13 46.30	-0.4
			eSn	14 19.50	
LJU	2.67	328	ePn	13 51.50	4.5X
			eSn	14 26.00	
ULC	2.69	132	iPnd	13 47.34	0.0
			iSn	14 19.77	
TRI	2.76	315	P	13 47.50	-0.8
			eSn	14 21.00	
PVY	2.77	115	iPnc	13 49.20	0.7
			iSn	14 22.27	
SDI	2.91	225	P	13 50.90	0.5
VOY	2.93	321	ePn	13 50.70	-0.1
			ePb	13 55.10	
			eSn	14 25.70	
ASS	2.93	257	P	13 50.80	0.0
BRT	2.95	171	P	13 48.40	-2.6
			eSn	14 24.30	
MNS	3.18	245	P	13 54.30	0.1
CRE	3.35	269	P	13 57.30	0.6
SFI	3.41	274	P	13 57.70	0.2
FVI	3.87	318	P	14 04.00	0.0
KBA	3.99	327	iPnc	14 04.80	-1.1
			i	14 08.60	
			i	14 10.60	
			iSn	14 52.20	
CTI	4.15	305	P	14 06.50	-1.6
S.D. = 1.2 on 28 of 29 obs.					
JUN 01, 1991 01h 17m 47.75±0.80s					
45.618 N ± 6.0km 7.237 E ± 7.0km					
DEPTH = 10.0km (geophysicist)					
NORTHERN ITALY (545)					
ML 2.4 (GEN).					
LSD	0.17	200	P	17 52.33	0.6
			S	17 56.64	
LPG	0.36	251	Pg	17 53.50	-1.8
			Sg	17 58.60	
LPL	0.37	254	Pg	17 53.40	-2.0
			Sg	17 58.80	
RSP	0.47	178	P	17 58.17	0.9
			S	18 06.17	
ORX	0.52	88	P	17 57.15	-1.2
			S	18 04.53	
BNI	0.69	215	P	18 01.00	-0.5
			eSg	18 11.00	
RRL	0.77	205	P	18 02.38	-0.5
			S	18 14.27	
BHB	0.78	179	P	18 03.81	0.9
			S	18 15.40	
PZZ	1.12	185	P	18 09.35	0.5
			S	18 23.81	
BSF	2.24	352	Pg	18 24.10	

SMF	2.58	295	Pg	18	31.50	1.3
			Sg	19	02.70	
LBF	2.64	302	Pg	18	32.40	1.2
			Sg	19	04.30	
LOR	2.86	306	Pg	18	36.30	2.0
	S.D. = 1.4	on	13 of	13	obs.	
* JUN 01, 1991 01h 31m 29.29±1.06s						
67.143 N ±16.5km 137.239 W ±16.9km						
DEPTH = 10.0km (geophysicist)						
NORTHERN YUKON TERRITORY, CANADA(677)						
INK	1.84	49	P	32	01.00	-0.1
	0.4s	115.00nm				
DWY	3.23	197	ePn	32	22.00	0.9
FBA	4.86	247	P	32	45.00	0.9
TOA	6.35	221	eP	33	09.10	3.9X
BALM	6.52	202	P	33	08.00	0.3
IMA	6.63	268	eP	33	14.40	5.1X
KLU	6.81	218	P	33	10.00	-1.6
PMR	7.58	228	P	33	22.00	-0.3
PWA	7.76	231	eP	33	29.60	4.8X
MBC	10.65	23	P	34	00.10	-4.7X
	0.4s	4.20nm				5.2mb X
YKA	10.67	105	eP	33	57.30	-7.7X
	0.3s	1.70nm				4.9mb X
	S.D. = 1.2	on	6 of	11	obs.	
* JUN 01, 1991 02h 49m 24.70±0.56s						
28.743 N ± 9.3km 81.714 E ± 8.1km						
DEPTH = 33.0km (normal)						
4.3mb (7 obs.)						
NEPAL-INDIA BORDER REGION (309)						
LSA	8.30	81	eP	51	28.20	2.0
HYB	11.64	195	eP	52	12.00	-1.6
			e	52	20.00	
			eS	54	14.00	
POO	12.45	217	eP	52	29.50	7.0X
BOM	12.74	222	eP	52	27.50	1.3
			eS	54	27.00	
QUE	12.95	280	eP	52	29.80	0.6
WMO	15.79	16	eP	53	07.20	0.9
GTA	18.35	50	eP	53	37.40	-1.0
LZH	20.04	63	eP	53	57.50	-0.5
	1.5s	23.00nm				4.3mb
GYA	22.22	90	P	54	21.60	1.5
		pp		54	30.40	32kmX
TIY	27.11	63	eP	55	04.00	-2.6
KAF	48.96	329	iP	58	09.60	0.1
	0.3s	0.90nm				4.3mb
		eSP		58	09.90	
NUR	49.31	327	iP	58	12.40	0.2
	0.5s	2.90nm				4.6mb
KEV	51.31	339	eP	58	22.00	-5.4X
HFS	54.64	325	eP	58	51.30	-1.0
	0.6s	5.30nm				4.7mb
2	10s	0.04um				3.8Msxz
		e		58	54.40	
		e		58	58.00	
		e		59	02.50	
WRA	70.17	127	P	00	36.00	-0.4
	0.6s	2.50nm				4.5mb
WB2	70.18	127	eP	00	36.80	0.4
	0.5s	0.80nm				4.0mb
YKA	88.14	8	eP	02	13.00	-0.1
	0.6s	0.70nm				4.1mb
	S.D. = 1.3	on	15 of	17	obs.	
? JUN 01, 1991 03h 53m 43.75±5.02s						
8.214 S ±37.0km 129.677 E ±15.9km						
DEPTH = 154.8 ± 34.8 km						
4.7mb (4 obs.)						
TIMOR SEA (290)						
MTN	4.82	163	eP	54	56.80	1.1
	0.3s	346.00nm				
KNA	7.54	187	iPc	55	32.30	0.1
	0.2s	53.00nm				5.7mb X
		eS		57	04.00	
WB2	12.51	159	iPd	56	35.80	-1.8
	0.4s	46.10nm				5.3mb X
		i		00	03.90	
		e		02	19.80	
		e		05	17.80	
		e		06	02.60	
QIS	15.58	143	eP	57	15.50	-0.9

ASPA	15.89 0.4 s	166 31.60nm	eS eP	00 57	06.00 19.40	-0.8 5.0mb
MBL	16.00 0.3 s	215 16.00nm	eS iPd	00 57	18.20 22.80	1.3 4.8mb
WARB	18.10 0.4 s	189 10.00nm	eP e	57 57	48.40 53.00	1.8 4.5mb
NANU	19.71	222	eS eP	01 58	12.00 01.50	
MRWA	24.54	210	eP eP	58 58	49.50 49.50	-1.9 -1.0
STK	26.03 0.5 s	156 7.10nm	iPc epP	59 59	06.00 30.00	1.8 4.6mb
			iPcP eS	01 04	47.60 18.20	
CNCB	149.62	145	PKP	13	13.70	0.6
PPD	149.93	178	ePKP	13	12.00	-0.8
ZOBO	149.96	144	PKPc	13	13.80	0.1
CCH	150.15	148	PKP	13	13.90	0.3
S.D. = 1.4 on 14 of 14 obs.						

* JUN 01, 1991 04h 02m 01.41± 2.63s						
31.969 S ±12.2km 71.868 W ±23.6km						
DEPTH = 22.4 ± 7.6 km						
NEAR COAST OF CENTRAL CHILE (135)						
IHA	1.07	170	eP iS	02 02	23.00 41.30	2.0
ROCH	1.23	144	iPd iS	02 02	24.00 45.00	0.4
JACH	1.29	124	iPc iS	02 02	24.00 45.00	-0.3
LCCH	1.52	171	iP iS	02 02	26.50 47.50	-1.0
PEL	1.54	140	iPc iS	02 02	27.50 53.00	-0.3
SAN	1.80	146	eP i	02 03	30.50 02.40	-1.0
TACH	1.85	155	iPd i	02 03	32.00 05.50	-0.3
PCH	2.00	146	iP i	02 02	34.20 37.90	-0.3
RTCB	2.66	80	ePc S	02 03	44.00 19.60	0.1
RTRS	2.74	50	iPc	02	44.10	-0.7
ZON	2.75	82	eP	02	46.50	1.4
RTLL	2.97	78	e(P) S	02 03	48.10 28.00	-0.1
S.D. = 1.1 on 12 of 12 obs.						

& JUN 01, 1991 04h 17m 05.86s						
61.986 N 150.416 W						
DEPTH = 52.3km						
SOUTHERN ALASKA (2)						
<AEIC>.						
PWA	0.42	143	iPd eS	17 17	16.28 24.94	-0.2
CUT	0.43	9	iPd eS	17 17	15.91 23.80	-0.6
SKT	0.53	270	eP eS	17 17	16.90 26.09	-0.8
SUA	0.55	197	iPd eS	17 17	17.75 27.64	-0.3
PLRM	0.73	122	iPc eS	17 17	19.33 30.95	-0.8
GHO	0.74	106	iPc S	17 17	19.92 31.70	-0.5
PMS	0.85	151	iPc eS	17 17	21.16 34.38	-0.7
SML	1.00	99	iPc	17	23.00	-0.9
NGC	1.01	236	eP eS	17 17	22.94 37.12	-1.2
HUR	1.06	20	ePd eS	17 17	23.84 37.98	-0.8
KNK	1.10	121	ePc S	17 17	24.46 40.54	-0.7
CRP	1.10	230	ePc eS	17 17	24.64 39.14	-0.7
BGL	1.19	233	eP	17	25.78	-0.8
CKL	1.21	230	ePc eS	17 17	25.84 41.30	-1.1

NKA	1.31	198	ePc	17	29.50	-1.4	TKL	61.59	344	P	02	43.40	-2.3	HDA	0.73	350	iPd	40	02.75	-0.4
SCM	1.47	95	eP	17	29.37	-1.1	GBTN	61.70	344	P	02	44.60	-1.8	PAX	0.90	143	iPd	40	06.35	0.3
TRF	1.47	2	ePd	17	29.26	-1.3	PWLA	62.14	340	P	02	47.00	-2.3				iS	40	18.50	
			eS	17	48.12		OLY	63.73	338	P	02	57.80	-1.9	WRH	1.01	322	iPd	40	07.58	-0.3
SLKM	1.49	176	eP	17	29.35	-1.3	ELC	64.62	340	P	03	03.70	-1.8				S	40	20.21	
RND	1.60	26	ePd	17	31.24	-1.0	FVM	65.64	340	P	03	10.80	-1.2	MCK	1.02	273	ePc	40	07.78	-0.3
RDT	1.71	215	ePc	17	33.30	-0.5	TUL	65.69	334	iPd	03	11.40	-0.9	RND	1.03	255	iPc	40	08.26	0.0
			eS	17	54.65			0.8s	129.30nm				5.8mb	CCB	1.09	333	iPd	40	08.92	-0.2
DFR	1.78	219	ePc	17	34.11	-0.7	KIC	67.66	72	P	03	23.50	-1.7				eS	40	22.06	
RDN	1.86	219	ePc	17	35.03	-1.0	ALQ	69.73	326	iPd	03	38.00	0.3	DOT	1.15	91	iPc	40	10.69	0.3
REF	1.86	219	eP	17	36.05	0.0		0.9s	16.39nm				4.8mb				eS	40	27.28	
NCT	1.88	221	ePc	17	35.79	-0.4	ANMO	69.73	326	P	03	38.30	0.6	SDG	1.27	156	iPd	40	13.44	1.2
MCK	1.88	21	eP	17	35.68	-0.5		0.8s	48.97nm				5.3mb				eS	40	29.99	
RDW	1.90	219	eP	17	36.26	-0.3	GLA	72.97	319	eP	03	58.00	1.2	FBA	1.31	338	iP	40	12.60	-0.2
RS2	1.90	218	eP	17	36.94	0.3	GOL	72.97	330	P	03	57.10	0.1	RDS	1.32	331	ePd	40	12.66	-0.2
RSO	1.90	218	eP	17	36.72	0.1		1.0s	6.75nm				4.3mb				S	40	29.55	
GLI	1.94	123	ePc	17	34.90	-2.1	BAR	73.82	318	eP	04	03.00	1.2	BWN	1.34	292	iPc	40	12.49	-0.6
SEW	1.95	166	eP	17	36.98	0.0	TPC	74.43	319	eP	04	07.00	1.7				eS	40	29.55	
TOA	2.00	85	ePc	17	37.21	-0.7	PEC	74.95	318	P	04	09.50	1.2	GLM	1.34	346	iPd	40	13.09	-0.1
VZW	2.07	115	eP	17	37.29	-1.6	RVR	75.15	318	eP	04	10.00	0.7				eS	40	30.43	
KNIM	2.09	140	iPc	17	35.96	-3.2	MSU	75.42	325	P	04	12.00	1.0	NEA	1.39	311	eP	40	13.74	-0.1
VLZ	2.13	112	eP	17	37.26	-2.4	GSC	75.71	320	eP	04	13.00	0.4				iS	40	32.24	
KLU	2.20	101	iPc	17	38.86	-1.8	DAU	76.36	327	P	04	16.90	0.5	MDM	1.45	332	iPd	40	14.53	-0.2
SDG	2.34	74	eP	17	41.95	-0.7	CLC	76.53	320	eP	04	18.00	0.9				eS	40	32.92	
TZL	2.35	86	eP	17	41.32	-1.5	ABL	76.85	318	P	04	19.90	0.8	HUR	1.53	243	eP	40	17.04	1.2
CNPM	2.50	190	eP	17	44.39	-0.5	ISA													

01d 05h

4.2mb (19 obs.) SOUTHERN GREECE Felt at Kalamoi.					(368)	RIY	10.21	328	ePn	44	28.20	-0.5	JUN 01, 1991 05h 54m 14.06±0.63s 37.650 N ± 8.3km 118.876 W ± 6.6km DEPTH = 5.0km (geophysicist) CALIFORNIA-NEVADA BORDER REGION (40) ML 2.3 (GS).							
VLI	0.78	102	eP	42	17.00	0.6	SFI	10.44	315	P	44	33.00	1.1	BONR	0.55	56	iP	54	24.90	-0.2
VLS	1.71	320	eP	42	30.00	0.5	PGD	10.49	315	P	44	33.00	1.1	CMB	1.26	288	eP	54	37.10	-0.8
ATH	1.75	51	eP	42	31.50	1.3	CEY	10.51	330	e(P)	44	32.00	-0.8	TNP	1.38	71	eP	54	39.70	-0.5
AGG	2.15	7	eP	42	38.28	2.4	LJU	10.72	331	eP	44	31.00	-4.7X	KVN	1.53	23	eP	54	43.00	0.8
			eS	43	04.24				eS	46	22.50		PKEM	1.87	212	eP	54	47.50	0.5	
IGT	2.95	334	eP	42	48.22	1.0	ADI	11.50	105	eP	44	44.10	-2.2	ARN	2.13	263	eP	54	51.30	0.4
			eS	43	23.52		CTI	11.99	323	P	44	53.00	0.1	BCH	2.65	202	eP	54	57.90	-0.3
PAIG	3.32	23	eP	42	52.14	-0.3	KBA	12.04	330	e(P)	44	56.00	2.4	ORV	2.80	314	eP	55	05.50	5.1X
NPS	3.35	118	eP	42	55.00	2.1			i	45	06.30		S.D. = 0.7 on 7 of 8 obs.							
KZN	3.42	357	eP	42	56.50	2.5	JVI	12.09	110	eP	44	50.80	-3.4X	& JUN 01, 1991 05h 59m 22.65s 60.150 N 153.132 W DEPTH = 117.4km 3.3mb (1 obs.) SOUTHERN ALASKA <AEIC>.						
THE	3.82	11	eP	43	00.20	0.6	MBH	12.90	120	eP	45	03.20	-1.8	RED	0.32	33	iPc	59	38.93	0.8
FNA	3.93	353	eP	43	01.68	0.6	LPL	14.35	312	eP	45	32.90	8.8X	RS2	0.37	31	iPc	59	39.37	-0.7
SOH	4.08	15	eP	43	04.04	0.8	KSP	0.7s	2.20nm	45	28.30	3.8mb	RSO	0.37	31	iPc	59	39.35	-0.7	
GRG	4.08	4	eP	43	03.48	0.2		14.54	345	eP	45	28.30	1.9	RDW	0.37	26	iPc	59	39.35	-0.7
PRK	4.12	54	eP	43	04.00	0.2	GRF	14.99	332	eP	45	32.70	6.2X	REF	0.40	32	iPc	59	39.54	-0.7
OHR	4.32	348	iPn	43	07.30	0.5			i	45	38.50		RDN	0.41	27	iPc	59	39.56	-0.6	
			Lg	44	18.90		Z	17s	0.20um	45	39.70	5.7X	NCT	0.43	14	iPc	59	39.58	-0.7	
KNT	4.33	9	eP	43	07.40	0.5	BRG	15.13	340	eP	45	39.70	5.7X			S	59	52.82		
SRS	4.41	16	eP	43	08.48	0.5		1.1s	10.00nm	45	45.50	4.0mb	DFR	0.50	26	iPc	59	39.77	-0.9	
IZM	4.45	69	iP	43	09.50	0.9	MOX	15.64	335	eP	45	45.50	4.8X	RDT	0.56	40	iPc	59	40.29	-0.7
VAY	4.46	6	iPn	43	08.40	-0.2		1.0s	5.00nm	45	47.20	3.6mb			iS	59	54.05			
LCI	4.68	319	Pd	43	10.80	-0.9	BSF	15.65	319	eP	45	47.20	6.3X	AUE	0.80	189	iPd	59	41.86	-1.0
SOI	4.87	286	Pd	43	13.50	-0.9		0.6s	3.60nm	45	47.00	3.7mb	AUH	0.80	191	iPd	59	42.16	-0.8	
MMB	4.89	15	iPd	43	15.00	0.3	CLL	15.78	339	iPd	45	47.00	4.5X	AUI	0.83	190	iPd	59	42.14	-1.0
			eS	44	12.00			1.3s	19.00nm	45	57.70	4.1mb	HOM	0.90	123	ePd	59	42.98	-0.7	
ARG	4.99	96	ePn	43	19.40	3.4X	HAU	15.99	319	eP	45	48.60	3.4X			eS	59	59.16		
ROI	5.04	304	P	43	16.20	-0.7		0.6s	3.60nm	45	48.60	3.7mb	XLV	1.00	134	ePd	59	43.42	-1.3	
			eSn	44	16.50		Z	20s	0.08um	46	01.70	4.3X			eS	00	00.26			
YER	5.04	85	eP	43	19.10	2.2	LOR	16.96	313	eP	46	01.70	4.3X	NKA	1.11	57	iPc	59	46.65	0.8
KKB	5.05	9	iPd	43	17.00	0.1		0.6s	3.60nm	46	01.70	3.7mb	CKL	1.12	20	iPc	59	45.56	-0.6	
RDO	5.08	32	ePn	43	16.10	-1.2	SSF	17.06	312	eP	46	03.30	4.7X	CNPM	1.14	122	iPd	59	45.11	-1.2
SKO	5.10	355	ePn	43	16.10	-1.6		0.7s	4.40nm	46	03.30	3.7mb			iS	00	03.17			
	1.0s	197.00nm		43	47.20	5.4mb X	MEM	17.88	325	Pc	46	13.40	4.7X	AUE	0.80	189	iPd	59	41.86	-1.0
ALN	5.11	37	eP	43	16.80	-0.9	DOU	18.21	322	P	46	14.60	1.8	AUH	0.80	191	iPd	59	42.16	-0.8
CZI	5.18	299	P	43	18.60	-0.1	LDF	19.94	313	eP	46	35.00	2.2	AUI	0.83	190	iPd	59	42.14	-1.0
			eSn	44	19.00			0.8s	9.40nm	46	39.00	-2.4	HOM	0.90	123	ePd	59	42.98	-0.7	
TDS	5.24	304	P	43	21.20	1.6	OBN	20.78	24	eP	46	39.00	-2.4			eS	59	59.16		
RZN	5.24	23	iP	43	20.00	0.1			i	46	56.00		XLV	1.00	134	ePd	59	43.42	-1.3	
			iS	44	14.00				e	47	01.00				eS	00	00.26			
CSI	5.33	305	P	43	21.10	0.1	IFR	22.38	269	iP	46	44.00	-13.9X	NKA	1.11	57	iPc	59	46.65	0.8
			eSn	44	26.50		UPP	23.16	354	iP	47	04.00	-1.1	CKL	1.12	20	iPc	59	45.56	-0.6
ATN	5.34	286	P	43	20.80	-0.3	NUR	23.71	3	iP	47	09.60	-0.7	CNPM	1.14	122	iPd	59	45.11	-1.2
ORI	5.38	308	P	43	21.90	0.2		0.8s	11.70nm	47	11.50	4.4mb			iS	00	03.17			
BRT	5.46	318	P	43	21.90	-0.9	HFS	23.87	350	eP	47	11.50	-0.4	MCNL	1.14	213	eP	59	44.47	-1.8
KGT	5.48	48	eP	43	22.20	-0.8		0.7s	17.90nm	47	11.50	4.7mb			eS	00	02.71			
ULC	5.50	338	ePn	43	21.20	-2.1	Z	17s	0.06um	47	14.60	3.1mszx	BGL	1.18	18	iPc	59	46.30	-0.4	
MMN	5.59	304	P	43	25.50	0.9			e	47	14.60		BRK	1.19	108	eP	59	46.24	-0.6	
			eSn	44	26.20				e	47	39.60		CRP	1.22	23	iPc	59	46.75	-0.5	
MEU	5.66	274	Pc	43	24.60	-1.0			LR	56	23.00				eS	00	05.64			
			eSn	44	28.90		NB2	25.12	348	P	47	23.10	-0.9	CDD	1.25	192	iPd	59	46.02	-1.4
MFT	5.68	45	eP	43	25.00	-1.0		0.7s	5.90nm	47	25.90	4.3mb	NCG	1.35	20	iPc	59	48.02	-0.6	
VTS	5.78	9	eP	43	26.00	-1.4	EKA	25.16	325	Pc	47	25.90	1.6	SLKM	1.49	75	eP	59	49.15	-1.1
BNT	5.80	51	iP	43	28.20	0.7		0.7s	7.70nm	47	26.10	4.4mb			eS	00	09.43			
MNO	5.90	282	P	43	28.40	-0.8	KAF	25.40	5	iP	47	26.10	-0.4	SVW	1.56	309	iPc	59	49.51	-1.5
BDV	5.92	337	ePn	43	26.60	-2.6		0.6s	6.50nm	47	26.80	4.4mb			eS	00	11.61			
			eSn	44	29.30				eS	47	26.80		SYI	1.59	166	ePd	59	49.81	-1.5	
TTG	5.93	340	ePn	43	25.70	-3.6X	SOD	30.65	4	iP	48	13.30	-0.7			eS	00	10.69		
			eSn	44	32.00		KEV	33.05	3	eP	48	20.00	-14.8X	SUA	1.76	41	iPc	59	52.64	-1.0
HCY	6.18	335	ePn	43	29.40	-3.4X	LIC	39.24	226	P	49	30.40	2.5			eS	00	16.98		
			eSn	44	37.00		GKN	52.78	80	P	51	14.40	-0.8	SEW	1.84	90	ePc	59	52.64	-1.8
ELL	6.35	89	iP	43	52.00	16.6X	DMN	53.33	81	P	51	18.90	-0.4			iS	00	16.22		
SGO	6.38	307	P	43	35.60	-0.1	KKN	53.39	80	P	51	18.80	-0.9	SKT	2.00	22	iPc	59	55.29	-1.1
GIB	6.43	282	P	43	36.70	0.2	PKI	53.59	81	P	51	20.40	-0.9			S	00	20.09		
DMK	6.66	40	eP	43	38.00	-1.5	GUN	53.80	80	P	51	22.40	-0.5	PMS	2.07	56	iPc	59	55.86	-1.5
BCK	6.89	83	eP	43	47.00	4.1X	GBA	54.42	100	Pc	51	27.10	0.0	PWA	2.19	45	ePc	59	57.30	-1.5
HRT	7.17	54	eP	43	42.00	-4.7X		0.6s	4.60nm	52	36.50	4.7mb			S	00	25.13			
USI	7.21	287	Pd	43	44.50	-2.8	MBC	64.51	350	eP	52	36.50	0.6	KDC	2.43	172	eP	59	59.00	-3.0
EYL	7.37	58	eP	43	49.70	0.1		0.5s	6.00nm	53	03.50	4.9mb	PLRM	2.43	52	eP	59	59.55	-2.5	
DUI	7.54	312	P	43	52.60	0.6	CHG	68.72	82	eP	53	03.50	0.1			eS	00	29.08		
HVAR	7.59	328	ePn	43	48.70	-3.9X	INK	73.53	351	eP	53	33.50	2.0	PMR	2.43	52	eP	59	59.20	-2.8
			iS	45	10.50		YKA	75.00	341	eP	53	40.30	0.2	GHO	2.62	50	ePc	00	02.11	-2.5
SDI	7.96	310	P	43	57.60	-0.2		0.7s	2.00nm	53	53.00	4.2mb			iS	00	33.65			
MNS	9.04	310	P	44	12.00	-0.7	FFC	76.89	330	eP	53	53.00	2.1	KNK	2.62	59	iPc	00	01.88	-2.6
MLR	9.10	18	eP	44	14.00	0.4		0.8s	8.00nm	54	39.00	4.8mb	LTI	2.65	90	ePc	00	02.44	-2.4	
CSS	9.40	98	eP	44	17.50	-0.1	MAT	86.05	46	eP	54	39.00	-0.2	CUT	2.65	30	eP	00	03.43	-1.4
ASS	9.45	314	P	44	18.60	0.2		1.1s	1											

MID	3.51	99	eP	00 14.26	-2.1	MDJ	37.80	282	eP	00 11.00	-2.4	GYA	63.58	280	P	03 28.00	-0.6		
TRF	3.58	21	eP	00 16.05	-1.4	SES	38.26	66	eP	00 17.00	-0.4	CVL	64.17	61	eP	03 32.00	-0.2		
KLU	3.78	66	iPc	00 16.97	-3.2		0.8s	33.00nm			5.2mb			e		03 45.00			
RND	3.85	30	eP	00 19.36	-1.7	CMB	39.17	89	eP	00 26.50	1.4	CBN	64.60	60	eP	03 34.00	-0.9		
TOA	3.90	57	eP	00 19.38	-2.4	SAO	39.29	91	eP	00 28.50	2.4	LHS	65.40	65	eP	03 38.00	-2.1		
MCK	4.11	27	eP	00 23.40	-1.1	PRS	39.62	92	eP	00 31.70	2.9X			e		03 52.00			
TZL	4.20	60	eP	00 22.88	-2.8	LRM	39.65	73	eP	00 29.50	0.2	KMI	66.96	282	Pc	03 51.50	0.9		
SDG	4.36	54	eP	00 25.48	-2.5	FRI	40.24	90	eP	00 34.00	0.2		1.5s	50.00nm		5.4mb			
PAX	4.63	49	ePc	00 29.14	-2.5	BONR	40.52	87	eP	00 38.00	1.5	NUR	67.31	350	eP	03 58.00	6.1X		
GLB	4.75	70	ePc	00 29.84	-3.4			e	00 50.00				i		04 04.00				
NEA	4.83	21	ePc	00 32.24	-2.0	CN2	40.75	284	Pc	00 37.00	-1.0	NB2	67.67	358	P	03 52.10	-2.1		
WRH	4.93	26	iPc	00 33.28	-2.4		1.0s	10.00nm			4.5mb		0.7s	1.60nm		4.2mb			
CROM	4.99	79	eP	00 33.87	-2.8	Z	20s	1.80um			4.9Msz		68.49	356	eP	03 57.30	-2.0		
DDM	5.01	40	eP	00 36.00	-0.8	N	16s	0.30um					0.5s	3.70nm		4.7mb			
TGL	5.14	79	eP	00 35.98	-2.6	E	16s	0.20um				Z	13s	0.06um		4.0MszX			
CCB	5.15	26	eP	00 35.90	-2.7			eP	00 46.50	32kmX				e		04 06.70			
HDA	5.15	31	ePd	00 36.13	-2.6	TNP	41.11	86	eP	00 42.00	0.7			e		04 10.60			
RDS	5.23	24	eP	00 37.31	-2.5		1.0s	11.67nm			4.6mb		UPP	68.55	354	eP	04 00.00	0.4	
MDM	5.33	23	ePd	00 38.55	-2.6	FFC	41.29	56	eP	00 42.00	-0.3			LSA	70.46	293	P	04 13.20	0.8
FBA	5.37	25	ePd	00 39.61	-2.0		0.8s	15.00nm			4.8mb		CHG	74.00	280	eP	04 34.80	1.9	
BALM	5.39	76	eP	00 38.73	-3.4	ISA	41.85	90	eP	00 47.00	-0.2			GUN	74.81	296	P	04 37.94	0.0
GLM	5.53	26	ePd	00 41.47	-2.5	SBB	42.88	91	eP	00 58.00	2.3			KKN	75.24	296	P	04 40.04	-0.2
DOT	5.54	47	eP	00 41.85	-2.2	SNY	43.00	283	Pd	00 56.90	0.5			PKI	75.34	296	P	04 40.52	-0.4
CTGM	5.88	77	ePc	00 46.78	-2.1		1.4s	100.00nm			5.4mb			GKN	75.44	297	P	04 40.92	-0.4
YKA	18.45	66	eP	03 27.70	-3.7	Z	22s	0.60um			4.4Msz			DMN	75.48	296	P	04 41.60	-0.1
	0.4s	0.70nm		3.3mb									CLL	77.34	356	eP	04 50.00	-1.3	
70 obs. associated						PAS	43.02	92	eP	01 05.00	8.3X			1.5s	14.00nm		4.8mb		
* JUN 01, 1991 06h 01m 48.72±0.81s						MWC	43.04	92	eP	01 03.00	5.9X		BRG	77.73	355	iP	04 53.60	0.1	
1.647 N ±12.6km 123.255 E ±16.0km						GSC	43.12	89	eP	00 58.00	0.4			1.2s	17.00nm		5.0mb		
DEPTH = 10.0km (geophysicist)						DAU	43.40	80	eP	01 01.00	0.9		MOX	78.06	357	eP	04 56.00	0.7	
4.7mb (1 obs.)						RVR	43.62	91	eP	01 01.00	-0.6			1.4s	16.00nm		4.9mb		
MINAHASSA PENINSULA (265)						MSU	43.98	82	eP	01 05.00	0.3		KRA	78.10	351	eP	04 55.50	0.0	
MNI	1.60	97	iPc	02 16.70	-0.4	PLM	44.36	92	eP	01 08.00	0.2		PRU	78.58	355	eP	04 58.50	0.3	
		iS		02 34.50		TPC	44.37	90	eP	01 08.00	0.2			e		05 11.50			
DAV	5.88	23	eP	03 25.50	7.5X	BAR	44.93	92	eP	01 12.00	-0.2		SPC	78.93	351	eP	05 00.50	0.2	
BAG	14.91	350	eP	05 22.00	0.5	DL2	45.94	281	eP	01 19.50	-0.5		GRF	79.02	357	eP	05 01.40	0.8	
WB2	24.06	154	iPd	07 04.60	-0.6	GOL	47.42	76	eP	01 32.00	-0.1			0.9s	16.00nm		5.0mb		
	0.6s	14.00nm		4.7mb			0.7s	8.50nm			4.9mb		Z	19s	0.10um		4.2Msz		
		e		11 26.50		BJI	48.55	285	eP	01 40.50	0.0			e		05 08.30			
		e		12 53.80		Z	1.2s	10.00nm			4.7mb			e		05 15.10			
QIS	27.27	145	iPd	07 34.40	-0.9	ANMO	49.79	82	eP	01 50.00	-0.4		KHC	79.48	355	iPd	05 04.00	0.8	
BWA	42.96	149	eP	09 51.40	1.6	ALO	49.79	82	eP	01 50.00	-0.4			1.2s	10.00nm		4.7mb		
CAN	43.96	149	eP	09 58.40	0.6		1.2s	7.42nm			4.6mb		ZST	80.19	353	eP	05 07.60	0.7	
GUN	44.25	310	P	10 00.00	-0.8	HHC	50.80	289	eP	01 58.00	0.1		CDP	80.38	359	eP	05 08.30	0.3	
	S.D. = 1.1 on			7 of 8 obs.			Z	24s	0.50um		4.5MszX			0.6s	3.60nm		4.5mb		
JUN 01, 1991 06h 52m 58.85±0.28s						FRB	51.07	34	eP	01 57.50	-1.9		SRO	80.47	352	eP	05 14.60	6.2X	
51.583 N ±7.3km 173.487 W ±3.2km						SSE	51.31	273	Pc	02 01.50	-0.3		HAU	80.79	0	eP	05 10.60	0.5	
DEPTH = 33.0km (normal)							1.0s	12.00nm			4.8mb			0.6s	3.60nm		4.5mb		
4.8mb (51 obs.) 4.5Msz (13 obs.)						Z	20s	0.50um			4.5Msz		Z	20s	0.13um		4.3Msz		
ANDREANOF ISLANDS, ALEUTIAN IS. (7)								pP	02 12.00	36kmX		MAIO	80.96	319	eP	05 12.00	0.7		
ADK	2.01	280	iPc	53 31.40	0.3	BTO	51.87	290	P	02 06.00	0.0		BSF	80.97	360	eP	05 11.30	0.1	
SDN	8.61	59	eP	55 03.00	-1.1		N	16s	0.40um					0.8s	5.35nm		4.6mb		
KDC	13.60	55	eP	56 20.70	9.2X		E	16s	0.50um			LOR	81.50	2	eP	05 14.10	0.2		
ANM	13.69	15	e(P)	56 19.60	6.9X	TIY	52.28	285	Pd	02 09.60	0.5			0.8s	8.05nm		4.8mb		
SVW	13.70	39	eP	56 16.20	3.2X		1.0s	32.00nm			5.2mb		Z	20s	0.13um		4.3Msz		
TTA	14.72	33	eP	56 22.40	-3.9X	Z	20s	0.75um			4.7Msz			1.1s	17.50nm		5.0mb		
PMR	16.64	44	eP	56 50.90	0.1	N	15s	0.40um						i		05 16.10			
IMA	17.64	27	eP	57 06.10	2.6X	TUL	55.65	74	eP	02 31.20	-2.6		SSF	81.70	2	eP	05 15.10	0.2	
	0.7s	4.80nm		3.7mb X			0.8s	102.70nm			5.9mb X			0.6s	3.15nm		4.5mb		
KLU	18.01	46	P	57 06.30	-1.7		Z	20s	1.84um		5.2Msz		LBF	81.79	2	eP	05 15.30	-0.1	
TOA	18.13	44	eP	57 08.90	-0.5	XAN	56.86	284	Pd	02 41.50	-1.0			0.6s	2.70nm		4.4mb		
FBA	18.80	35	eP	57 16.40	-1.2	FVM	57.42	69	eP	02 45.00	-1.4		AVF	81.97	2	eP	05 16.30	0.1	
	0.8s	11.10nm		4.1mb				e	02 57.00					0.8s	5.35nm		4.6mb		
INK	25.41	34	eP	58 24.00	-0.4	SCH	57.76	41	eP	02 47.00	-1.6		MFF	82.03	5	eP	05 17.10	0.5	
	0.6s	26.00nm		5.0mb		KEV	58.05	352	eP	02 50.00	-0.4			1.0s	12.00nm		4.9mb		
		pP		58 39.00	64kmX	LZH	58.48	290	Pc	02 53.00	-1.1		SMF	82.13	2	eP	05 17.20	0.1	
MBC	32.19	21	eP	59 26.00	0.7		1.8s	80.00nm			5.5mb			0.8s	6.05nm		4.7mb		
	1.0s	24.00nm		5.0mb		Z	20s	0.74um			4.8Msz		BGF	82.19	3	eP	05 17.60	0.2	
YKA	32.66	47	eP	59 29.00	-0.5			sP	03 07.00					1.0s	8.00nm		4.7mb		
	0.5s	2.10nm		4.3mb		GTA	58.54	295	eP	02 52.60	-1.8		TCF	82.44	3	eP	05 18.90	0.1	
LON	33.553																		

01d 07h

WRA	84.55	228 P	05 35.00	5.3X	AUH	6.58	39 eP	57 44.09	1.6	FFC	33.58	65 iPc	02 44.20	0.0
	0.9s	3.50nm		4.5mb	AUE	6.60	39 eP	57 44.41	1.7		0.7s	12.00nm		4.9mb
WRA	84.55	228 P	05 41.00	11.3X	PDB	6.63	34 eP	57 43.99	0.9	TNP	34.08	100 eP	02 49.60	0.7
	0.7s	3.50nm			SVW	7.33	23 eP	57 54.30	1.3		0.8s	4.71nm		4.5mb
SFI	84.77	356 P	05 32.00	1.5	HOM	7.46	42 eP	57 55.35	0.7	ISA	35.06	105 eP	03 08.00	10.8X
PGD	84.82	356 P	05 33.00	1.9	CNPM	7.54	44 eP	57 55.53	-0.3	YAK	35.32	310 iPd	02 57.60	-1.4
SBF	84.93	359 eP	05 32.30	0.8	RED	7.58	35 eP	57 58.15	1.7			i	03 18.00	
	1.2s	35.70nm		5.4mb	RDW	7.61	35 eP	57 58.57	1.5			e	13 13.00	
VTS	85.09	348 eP	05 33.00	0.5	RS2	7.61	35 eP	57 59.11	2.0	CLC	35.45	104 eP	03 07.00	6.5X
FRF	85.24	360 eP	05 33.80	0.8	RSO	7.62	35 eP	57 59.16	2.1	SBB	36.13	105 eP	03 16.00	9.7X
	1.0s	16.00nm		5.2mb	NCT	7.63	34 eP	57 58.81	1.6	GSC	36.27	103 eP	03 21.00	13.6X
LRG	85.34	0 eP	05 34.60	1.1	RDN	7.65	34 eP	57 58.93	1.4	KUSJ	36.34	274 eP	03 04.90	-2.9X
	1.2s	20.85nm		5.2mb	REF	7.65	35 eP	57 58.60	1.0	MSU	36.70	95 eP	03 12.00	0.8
Z	20s	0.15um		4.4Msz	DFR	7.73	34 eP	58 00.24	1.6	ASAJ	36.92	277 eP	03 12.40	-0.3
PLD	85.36	347 eP	05 35.00	1.4	RDT	7.81	35 eP	58 00.42	0.7	TPC	37.56	104 eP	03 19.00	0.7
LMR	85.46	0 eP	05 35.00	0.9	CKL	8.30	32 eP	58 07.42	0.8	PLM	37.66	106 eP	03 21.00	1.8
	1.0s	18.00nm		5.2mb	BGL	8.34	32 eP	58 08.99	1.9	BAR	38.26	106 eP	03 26.00	1.9
ASS	85.58	355 P	05 36.10	1.3	CRP	8.42	33 eP	58 09.19	1.0	GOL	39.88	88 eP	03 38.50	0.7
KDZ	85.70	346 eP	05 37.00	1.7	NCG	8.52	32 eP	58 11.30	1.7	OFUJ	40.66	272 P	03 43.50	-0.4
RZN	85.77	346 eP	05 36.00	0.1	SLKM	8.55	41 eP	58 10.48	0.5	ANMO	42.48	94 eP	04 00.00	0.9
KKB	85.82	348 eP	05 37.00	1.0	SEW	8.61	44 eP	58 09.71	-1.0		1.3s	72.12nm		5.2mb
SKO	85.92	349 eP	05 37.00	0.5	TTA	8.92	16 eP	58 15.70	0.6			e	04 12.00	
		i	05 37.90		SUA	9.02	35 eP	58 15.57	-0.9	ALO	42.48	94 eP	04 00.50	1.3
MMB	86.00	347 iPd	05 39.00	2.1	SKT	9.16	31 eP	58 19.00	0.7		1.2s	15.63nm		4.6mb
PGF	86.22	358 eP	05 38.60	0.6	SKT	9.16	31 eP	58 19.11	0.9			ePcP	05 52.00	
	1.2s	35.70nm		5.5mb	PMS	9.28	38 eP	58 18.63	-1.4	NIIJ	43.45	272 P	04 06.40	-0.4
VAY	86.42	348 eP	05 39.70	0.8	MTU	9.31	48 eP	58 18.55	-1.8	KAKJ	43.48	270 P	04 05.30	-1.7
OHR	86.85	349 eP	05 41.50	0.4	PWA	9.44	36 eP	58 21.50	-0.7	MDJ	44.06	287 eP	04 10.00	-1.6
	1.3s	78.00nm		5.8mb	KNIM	9.46	46 eP	58 20.59	-1.8	CHJJ	44.28	271 P	04 13.30	-0.2
HYB	87.20	295 eP	05 43.00	-0.1	ADK	9.47	260 eP	58 22.30	-0.2	MAT	44.39	272 iPc	04 13.80	-0.6
		e	05 56.00		MID	9.64	53 eP	58 24.00	-0.9		1.0s	66.00nm		5.4mb
ASPA	87.97	227 iPc	05 58.80	12.3X	PLRM	9.67	38 eP	58 24.12	-1.1			eS	10 42.00	
	1.0s	11.80nm			PMR	9.67	38 eP	58 24.30	-0.9	FRB	44.44	39 eP	04 14.60	0.2
POO	88.92	299 eP	05 50.00	-1.4	KNK	9.80	40 eP	58 25.88	-1.2		0.6s	54.00nm		5.6mb
STK	92.00	217 eP	06 19.30	14.3X	GHO	9.86	37 eP	58 26.30	-1.7	MTMJ	44.60	272 P	04 15.80	-0.4
	0.8s	3.20nm			CUT	9.86	32 eP	58 27.66	-0.3	IIDJ	45.30	271 P	04 22.10	0.3
BUL	144.16	323 iPKPd	12 30.70	-2.2	HIN	10.01	48 eP	58 27.58	-2.4	TSRJ	46.39	272 P	04 30.00	-0.2
		i	12 43.60		GLI	10.01	45 eP	58 27.73	-2.3	CN2	46.88	288 Pc	04 32.70	-1.3
SLR	149.33	319 ePKP	12 44.00	2.8X	SML	10.10	38 eP	58 29.99	-1.2		1.0s	40.00nm		5.4mb
	1.3s	28.85nm			ANM	10.28	351 eP	58 35.03	1.4	Z	20s	0.90um		4.7Msz
FRS	154.08	320 ePKP	13 04.20	16.4X	CVA	10.41	48 eP	58 33.06	-2.3	TUL	48.02	85 ePc	04 42.00	-1.1
	1.2s	31.25nm			VLZ	10.46	44 eP	58 34.39	-1.7		0.8s	160.30nm		6.1mb
	S.D. = 1.1	on 120 of 138 obs.			SCM	10.48	40 eP	58 34.64	-1.9	Z	20s	1.43um		4.9Msz
					SGAM	10.62	49 eP	58 36.31	-2.1			LR	23 49.40	
* JUN 01, 1991 07h 12m 38.43 ± 2.28s					TRF	10.67	28 eP	58 40.03	0.9	SNY	49.21	288 iPc	04 51.60	-0.6
5.882 S ± 17.3km 131.270 E ± 27.8km					RAGM	10.81	50 eP	58 39.06	-1.9		1.2s	100.00nm		5.7mb
DEPTH = 80.5 ± 18.8 km					KLU	10.83	43 eP	58 38.86	-2.3	FVM	49.68	79 eP	04 54.00	-1.9
3.7mb (2 obs.)					TOA	11.08	40 eP	58 43.30	-1.3	SCH	50.62	48 ePc	05 02.30	-0.5
BANDA SEA			(280)		MCK	11.27	30 eP	58 46.47	-0.7		1.3s	87.00nm		5.6mb
					BWN	11.46	27 eP	58 48.45	-1.3	ELC	50.85	78 eP	05 03.00	-1.7
AAI	3.76	305 eP	13 35.00	-0.3	SDG	11.57	40 eP	58 49.56	-1.7	DL2	52.29	286 P	05 14.60	-1.0
MTN	6.92	181 iPd	14 20.70	1.5	CRQM	11.65	50 eP	58 50.79	-1.8		1.2s	190.00nm		5.9mb
	0.3s	207.00nm		6.2mb X	WAX	11.66	52 eP	58 49.30	-3.2X	BJI	54.51	291 eP	05 30.50	-1.5
		eS	15 32.00		GLB	11.67	46 eP	58 50.37	-2.2		1.2s	20.00nm		5.0mb
KNA	10.11	194 eP	15 02.50	-0.4	TGL	11.79	50 eP	58 52.74	-1.6	Z	24s	0.32um		4.3MszX
WB2	14.30	168 eP	15 56.80	-1.5	PAX	11.87	38 eP	58 53.29	-2.0	TKL	55.10	76 eP	05 34.50	-1.9
	0.6s	4.30nm		3.9mb	THY	12.05	36 eP	58 56.75	-1.0	KEV	55.90	356 iP	05 40.00	-1.7
QIS	16.68	152 eP	16 29.00	0.4	WRH	12.07	29 eP	58 54.59	-3.4X		0.8s	33.70nm		5.4mb
		eS	19 23.40		BALM	12.12	50 eP	58 57.45	-1.3	CVL	56.40	70 eP	05 44.60	-1.1
ASPA	17.86	172 eP	16 38.70	-4.5X	IMA	12.22	15 eP	59 01.10	1.0			e	05 51.70	
	1.5s	4.20nm		3.4mb	DDM	12.26	34 eP	58 58.31	-2.2	HHC	56.42	295 iPc	05 45.80	-0.2
		i	16 45.10		CCB	12.29	29 eP	58 56.97	-3.8X	Z	24s	0.80um		4.7MszX
WARB	20.67	192 eP	17 18.50	4.5X	RDS	12.33	28 eP	58 58.17	-3.3X	TIA	56.72	287 Pc	05 46.30	-1.8
GUN	55.19	310 P	22 06.10	0.3	HDA	12.35	31 eP	58 56.69	-5.0X	CBN	56.83	69 eP	05 47.00	-1.8
PKI	55.38	309 P	22 07.00	-0.2	MDM	12.41	27 eP	58 59.19	-3.3X	AKU	56.94	17 iP	05 51.00	1.8
KKN	55.59	309 P	22 08.60	0.1	FBA	12.48	28 eP	58 59.90	-3.6X		0.9s	30.25nm		5.3mb
DMN	55.63	309 P	22 09.00	0.1	CTGM	12.55	51 eP	59 02.87	-1.6	BTO	57.42	295 P	05 52.00	-1.1
GKN	56.19	309 P	22 12.80	0.0	GLM	12.66	28 eP	59 01.85	-4.0X	JSC	57.52	75 eP	05 51.70	-2.0
	S.D. = 0.9	on 10 of 12 obs.			DOT	12.79	37 eP	59 05.94	-1.6	SSE	58.16	280 Pd	05 57.50	-0.7
					PNL	13.07	58 iP	59 11.21	0.0		1.2s	81.00nm		5.7mb
JUN 01, 1991 08h 56m 05.49 ± 0.24s					BRW	17.00	5 eP	00 03.00	1.2	TIY	58.21	291 Pd	05 57.90	-0.7
54.502 N ± 4.4km 161.530 W ± 3.0km					INK	19.00	32 P	00 24.00	-2.5		0.8s	28.00nm		5.4mb
DEPTH = 33.0km (normal)						0.7s	3.20nm		3.7mb X	Z	24s	0.82um		4.8MszX
5.3mb (80 obs.) 4.7Msz (8 obs.)					MCW	24.50	88 eP	01 25.00	2.4	N	18s	0.50um		
ALASKA PENINSULA (12)					GMW	25.09	90 eP	01 30.50	2.3			S	13 47.00	
Felt (III) at Sand Point and					YKA	25.26	53 eP	01 30.10	0.4	SOD	58.29	356 iP	05 57.20	-1.5
(II) at King Cove.						0.8s	15.40nm		4.7mb	NJ2	58.79	282 Pc	06 01.00	-1.6
					BMW	25.39	93 eP	01 34.60	3.4X	Z	24s	0.30um		4.3MszX
SDN	1.03	35 iPd	56 26.50	2.9	LON	26.07	91 eP	01 39.20	1.7	WHN	62.47	285 Pc	06 26.70	-0.9
KDC	6.01	54 eP	57 33.70	-0.7	PNT	26.07	84 eP	01 39.00	1.6		0.7s	30.00nm		5.5mb
MCNL	6.13	37 eP	57 37.12	1.0		0.8s	16.00nm		4.7mb			pP	06 36.50	32kmX
		S	58 47.06		MBC	26.86	21 iPc	01 44.30	0.0	XAN	62.85	291 Pc	06 28.70	-1.5
						1.0s	65.00nm		5.2mb	GTA	63.54	301 Pc	06 33.40	-1.4
CDD	6.21	41 eP	57 37.81	0.6	NEW	28.03	84 eP	01 55.20	-0.1		1.2s	70.00nm		5.6mb
		eS	58 50.04			1.0s	9.38nm		4.4mb	Z	24s	0.90um		4.9MszX
SYI	6.52	47 eP	57 41.23	-0.2	SES	30.50	77 eP	02 16.00	-1.4	N	17s	0.70um		
AUI	6.57	39 eP	57 42.87	0.7	LRM	32.03	85 eP	02 27.50	-3.6X			pP	06 39.60	20kmX

KAF	63.56	356	iP	06 42.00	06 33.20	-1.2	ECH	77.21	8 P	07 57.64	0.3	PVL	82.48	355	iP	08 27.00	1.5
	0.6s		40.40nm			5.7mb	HAU	77.36	8 iPc	07 58.50	0.4	ASS	82.68	4 P		08 27.90	1.2
			esP	06 33.80				0.9s	24.55nm		5.2mb	MAIO	82.92	328	iPc	08 29.00	0.9
							Z	20s	0.03um		3.5MsZ		0.8s	16.47nm			5.2mb
LZH	64.01	296	iPc	06 37.00	-1.0		BSF	77.56	8 P	07 59.42	0.0	PGF	82.99	7 iPc		08 29.30	1.0
	1.5s		140.00nm			5.8mb	MOF	77.57	8 P	07 59.42	0.0		1.1s	43.95nm			5.5mb
Z	20s		0.74um			4.9MsZ	FEL	77.62	7 P	07 59.68	0.0	VTs	83.20	356 iPc		08 29.00	-0.5
			pP	06 45.00		26kmX	ZST	77.67	1 iP	08 00.60	0.8	MNS	83.36	4 P		08 30.60	0.4
			sP	06 50.00				i	30 35.30			SKO	83.87	358 iPc		08 33.80	1.1
			PcP	07 11.00			GRC	77.74	11 P	08 00.65	0.5	KKB	83.92	357 iPd		08 34.00	1.0
NB2	64.66	4 P		06 40.80	-0.9		LOR	77.85	10 iPc	08 01.10	0.2	TOL	84.02	17 iPc		08 34.50	0.9
	0.9s		35.60nm			5.5mb		1.0s	28.00nm		5.2mb		1.1s	63.29nm			5.7mb
NUR	65.23	357	iP	06 44.30	-0.9		Z	20s	0.03um		3.5MsZ	RZN	84.04	355 iPc		08 35.00	1.2
	0.8s		7.48nm			4.8mb	PSZ	77.95	359 eP	08 02.30	0.9	SDI	84.08	4 P		08 34.30	0.4
HFS	65.65	3 eP		06 46.70	-1.2		SSF	78.02	10 iPc	08 02.10	0.4	DUI	84.15	3 P		08 35.90	1.7
	0.7s		45.40nm			5.7mb		1.0s	34.00nm		5.3mb	MMB	84.18	356 iPc		08 36.00	1.7
Z	17s		0.17um			4.3MsZ	MFF	78.04	13 iPc	08 02.60	0.7	VAY	84.49	357 eP		08 36.60	0.8
			e	06 50.70				1.0s	38.00nm		5.4mb	OHR	84.74	358 iP		08 37.90	0.7
			LR	36 49.00			LOMF	78.05	8 P	08 02.40	0.4		1.3s	162.00nm			6.1mb
WMO	65.75	312	Pc	06 48.00	-1.0		SRO	78.06	0 iP	08 02.70	0.8	MFT	84.78	353 eP		08 38.20	0.8
	1.0s		100.00nm			5.9mb	LBF	78.15	10 iPc	08 02.60	0.1	KGT	85.12	353 eP		08 38.00	-1.0
Z	20s		0.60um			4.8MsZ		0.9s	18.85nm		5.1mb	QUE	85.89	319 eP		08 44.40	1.1
			pP	06 52.50		14kmX	AVF	78.27	11 iPc	08 03.40	0.3	IR7	85.99	334 iPc		08 45.00	1.4
UPP	65.99	0	iPc	06 48.80	-1.3			1.0s	26.00nm		5.2mb	IR1	86.24	334 iPc		08 46.20	1.3
CD2	68.04	293	eP	07 03.00	-0.6		WTTA	78.44	5 iPc	08 05.00	0.7	IR4	86.36	334 iPc		08 47.00	1.6
	1.2s		100.00nm			5.8mb		0.7s	33.80nm		5.5mb	IZM	87.16	353 eP		08 49.10	-0.1
EKA	69.10	13	Pd	07 10.10	0.4		BGF	78.45	11 iPc	08 04.30	0.2	RMO	91.28	223 iPd		09 10.00	1.6
	0.8s		31.10nm			5.4mb		1.2s	35.70nm		5.3mb	WB2	92.06	238 iPd		09 11.50	-0.7
OBN	69.75	349	iPc	07 12.00	-1.6		SMF	78.47	10 iPc	08 04.40	0.2		0.9s	4.60nm			4.9mb
	1.2s		*****nm			8.6mb X		1.0s	32.00nm		5.3mb	WRA	92.06	238 P		09 11.00	-1.2
N	20s		0.60um				TCF	78.64	11 iPc	08 05.40	0.2		1.0s	3.60nm			4.8mb
			i	07 27.00				0.9s	9.85nm		4.8mb	WRA	92.06	238 P		09 18.00	5.8X
GYA	69.91	287	Pc	07 15.00	-0.2		KBA	78.70	4 iPc	08 06.70	1.0		1.2s	2.90nm			4.6mb
	1.2s		100.00nm			5.8mb		0.9s	51.40nm		5.5mb	WRA	92.06	238 P		09 23.00	10.8X
ETA	71.22	16	eP	07 23.10	0.5			i	08 16.60				0.9s	1.90nm			4.6mb
ECB	71.45	16	eP	07 24.30	0.3		MAF	78.75	11 iPc	08 06.20	0.4	WRA	92.06	238 P		09 32.00	19.8X
	0.9s		58.00nm			5.6mb		0.9s	9.85nm		4.8mb		0.9s	1.00nm			5.9mb
ECP	71.69	16	eP	07 25.80	0.4		AGO	78.98	11 P	08 07.47	0.4	HYB	92.07	304 ePc		09 12.20	-0.3
	0.9s		86.00nm			5.8mb	PLDF	79.11	10 P	08 08.52	0.7		1.2s	57.10nm			5.9mb
WTS	73.43	7	ePc	07 36.00	0.4		PYM	79.26	11 P	08 08.90	0.2	GBA	95.89	303 Pc		09 29.20	-0.8
	0.9s		52.00nm			5.5mb	RJF	79.53	12 eP	08 10.20	0.2		0.8s	12.20nm			5.4mb
QIZ	73.95	280	eP	07 38.70	-0.5			1.0s	20.00nm		5.1mb	MTD	141.01	340 ePKP	15 33.50	-0.5	
UCC	74.41	9	P	07 43.30	2.0		Z	20s	0.22um		4.5MsZ	BUL	144.84	343 iPKPc	15 39.20	-1.4	
		e	07 53.60				GUN	79.63	304 P	08 11.32	0.0	SLR	150.36	342 iPKPc	15 55.00	5.7X	
CLL	74.46	4	iPc	07 41.50	-0.1		CTI	79.66	5 P	08 10.80	0.0		1.1s	94.94nm			
	1.2s		41.00nm			5.3mb	VAL	79.67	7 P	08 11.30	0.6	S.D. = 1.2 on 247 of 267 obs.					
ENN	74.58	8	ePc	07 42.50	0.2		RSL	79.68	8 P	08 11.89	0.9	* JUN 01, 1991 10h 03m 44.78±3.00s					
	0.9s		44.00nm			5.5mb	LFF	79.79	13 iPc	08 12.20	0.8	31.60S ± 9.0km 69.529 W ±15.5km					
SNF	74.69	9	Pc	07 43.20	0.2			1.0s	28.00nm		5.2mb	DEPTH = 120.7 ± 42.1 km					
		ed	07 49.90				LBL	79.80	11 P	08 12.11	0.5	SAN JUAN PROVINCE, ARGENTINA (137)					
MEM	74.74	8	iPc	07 43.55	0.3		LPL	79.86	8 iPc	08 13.40	1.3	RTCB	0.63	79 ePd	04 03.70	-0.4	
BRG	74.93	3	iPc	07 44.60	0.2			0.8s	6.05nm		4.6mb	ZON	0.73	86 iPd	04 04.80	0.0	
	1.1s		42.00nm			5.3mb	LPG	79.88	8 iPc	08 13.60	1.3		eS		04 19.80		
		i	07 50.80				PTJ	79.95	2 eP	08 12.40	0.0	RTLL	0.95	73 iPc	04 06.00	-0.7	
KSP	75.01	1	iPc	07 44.60	-0.3		CAF	79.97	12 eP	08 13.10	0.7	MDZ	1.40	156 iP	04 12.40	0.9	
	0.9s		36.00nm			5.4mb		1.2s	35.70nm		5.2mb		iS		04 32.70		
MOX	75.07	5	iPc	07 45.70	0.5		KKN	80.02	304 P	08 13.20	0.0	JACH	1.40	220 iPd	04 12.00	0.4	
	1.1s		60.00nm			5.5mb	PKI	80.15	304 P	08 13.76	-0.3		iS		04 32.50		
DOU	75.13	9	Pc	07 45.70	0.2		GKN	80.16	305 P	08 13.64	-0.2	RTRS	1.43	2 e(P)	04 12.40	0.6	
	1.0s		36.10nm			5.3mb	MLR	80.18	355 eP	08 14.00	0.3	PEL	1.82	212 iPc	04 16.60	0.1	
LSA	75.56	301	P	07 49.80	0.9		BZS	80.22	358 eP	08 14.00	0.3		iS		04 40.50		
KRA	75.81	359	eP	07 48.50	-0.9		DMN	80.26	304 P	08 14.62	0.1	ROCH	1.85	222 iP	04 17.00	-0.1	
	1.0s		50.00nm			5.5mb	CHG	80.27	289 ePc	08 14.00	-0.4		iS		04 41.80		
		e	07 49.80					0.9s	11.97nm		4.9mb	SAN	2.08	207 iPc	04 20.00	0.3	
PRU	75.83	3	Pc	07 50.10	0.6		BNI	80.31	8 P	08 16.10	1.7		iS		04 46.50		
		e	07 56.00				VBY	80.33	2 ePc	08 14.80	0.5	TACH	2.36	210 iPd	04 23.00	-0.4	
FLN	75.88	13	eP	07 49.70	-0.1				e	08 26.70			iS		04 54.00		
	1.0s		32.00nm			5.3mb	GZR	80.41	357 iPd	08 15.00	0.2	LCCH	2.54	222 iPd	04 25.00	-0.7	
Z	20s		0.25um			4.5MsZ	CMP	80.45	355 ePc	08 28.00	13.0X		i		04 58.00		
GRF	76.00	5	iPc	07 51.40	0.9		RIY	80.47	3 iPc	08 15.00	0.0	S.D. = 0.6 on 11 of 11 obs.					
	0.9s		35.00nm			5.4mb	BOB	80.81	6 P	08 18.30	1.4	? JUN 01, 1991 10h 27m 51.91±1.72s					
Z	22s		0.10um			4											

01d 10h

IISM 3.44 72 (P) 28 49.00 4.4X
S.D. = 0.1 on 4 of 6 obs.

JUN 01, 1991 10h 40m 07.00± 0.32s
36.964 N ± 7.6km 70.679 E ± 5.5km
DEPTH = 25.6km (6 depth phases)
4.7mb (23 obs.)

HINDU KUSH REGION (718)
Felt (III) at Khorog and Nurek,
USSR.

QUE 7.44 206 Pc 42 01.70 4.9X
e 43 28.80

MAIO 9.02 269 iPd 42 16.50 -2.2
eS 43 53.00

WMO 14.65 57 P 43 34.50 0.0
Z 12s 0.50um
PP 43 46.50

GKN 14.77 123 P 43 34.88 -1.3
DMN 15.34 123 P 43 42.34 -1.4

KKN 15.34 122 P 43 41.65 -2.0
PKI 15.57 123 P 43 44.76 -2.0

GUN 15.67 121 P 43 46.50 -1.6
IR4 16.08 270 eP 43 59.00 5.9X

IR7 16.23 272 eP 43 56.00 1.1
LSA 18.56 107 P 44 25.40 1.0

POO 18.57 171 iPc 44 20.50 -3.7X
HYB 20.68 158 ePd 44 50.00 2.3

0.8s 50.00nm 5.0mb
i 45 02.00 51kmX
eS 49 02.50

GTA 22.99 75 eP 45 13.00 2.2
1.0s 10.00nm 4.3mb

Z 16s 0.40um 4.0MsZ
N 14s 0.40um

pP 45 18.30 19km
sP 45 22.00

PcS 52 43.00
GBA 24.04 164 Pc 45 24.40 3.5X

0.6s 13.20nm 4.6mb
LZH 26.59 82 eP 45 46.00 0.8

2.0s 25.00nm 4.5mb
Z 17s 0.34um 4.0MsZ

pP 45 52.50 23km
IRK 28.10 46 eP 46 04.00 5.5X

OBN 29.40 319 eP 46 09.60 -0.5
e 46 40.00 143kmX

ePP 47 15.00
CHG 30.67 118 eP 46 24.00 2.2

BTO 30.71 71 eP 46 18.50 -3.5X
GYA 32.19 99 P 46 36.60 1.4

pP 46 46.00 33km
TIY 33.01 76 eP 46 44.20 2.0

Z 16s 0.48um 4.3MsZ
N 20s 0.68um

MLR 34.33 299 eP 47 02.00 8.4X
KAF 37.10 327 iP 47 16.40 -0.3

0.6s 3.90nm 4.4mb
esP 47 17.10

NUR 37.30 324 iP 47 18.60 0.2
0.6s 15.60nm 5.0mb

i 48 14.70 270kmX
UPP 40.55 322 iP 47 44.80 -0.6

i 47 54.00 31km
HFS 42.54 322 eP 48 01.30 -0.5

0.5s 23.20nm 5.2mb
Z 16s 0.18um 4.1MsZ

e 48 08.00 22km
e 48 10.80

LR 05 39.00
IPM 42.56 132 ePd 48 07.30 4.8X

YAK 43.75 36 eP 48 09.30 -2.3
NB2 43.86 323 P 48 11.60 -0.9

0.7s 8.00nm 4.6mb
BSF 47.16 304 eP 48 39.30 0.2

0.8s 5.35nm 4.6mb
LPG 47.69 301 eP 48 44.10 0.6

1.0s 6.00nm 4.6mb
LPL 47.69 301 eP 48 44.30 0.8

1.0s 5.00nm 4.5mb
SMF 49.38 303 eP 48 56.20 -0.1

0.8s 5.35nm 4.6mb
AVF 49.67 304 eP 48 58.30 -0.1

0.6s 2.70nm 4.5mb
MAF 50.34 303 eP 49 04.00 0.4

0.8s 6.70nm 4.7mb
DAG 54.24 344 eP 49 32.00 -0.3

TOL 56.99 298 eP 49 53.00 0.2
MTD 64.93 222 iPd 50 48.00 1.2

KRI 66.04 224 eP 50 53.50 -0.5
MBC 66.89 3 ePc 50 58.50 0.0

0.7s 27.00nm 5.5mb
INK 73.49 9 eP 51 39.00 0.4

FBA 74.09 16 eP 51 41.20 -1.0
0.8s 2.00nm 4.2mb

pP 51 49.20 26km
BAL 79.85 141 iPd 52 14.80 0.0

0.8s 19.00nm 5.2mb
YKA 80.80 2 eP 52 18.90 -0.4

0.6s 5.70nm 4.8mb
NWA0 81.99 142 iPd 52 26.20 0.3

0.8s 12.00nm 5.0mb
WRA 82.46 122 P 52 28.00 -0.7

0.6s 3.00nm 4.5mb
WB2 82.46 122 iPc 52 28.10 -0.6

1.0s 3.60nm 4.4mb
e 55 15.40

ASPA 84.73 125 iPd 52 39.90 -0.3
0.5s 4.20nm 4.9mb

FFC 88.46 356 eP 52 58.00 0.0
1.1s 21.00nm 5.4mb

CNCB 138.42 288 PKP 59 35.00 1.8
S.D. = 1.2 on 43 of 51 obs.

? JUN 01, 1991 10h 43m 52.87± 1.49s
42.169 N ± 15.9km 8.061 W ± 7.5km

DEPTH = 10.0km (geophysicist)
SPAIN (377)

mbLg 3.1 (MDD).

EZAM 0.47 268 ePg 44 02.50 0.0
eSg 44 08.80

ERUA 0.72 72 ePg 44 06.90 -0.1
eSg 44 16.00

STS 0.80 333 ePg 44 08.30 -0.1
eSg 44 18.00

EMON 1.38 23 ePn 44 18.30 0.2
eSn 44 36.00

S.D. = 0.3 on 4 of 4 obs.

* JUN 01, 1991 11h 26m 58.74± 1.46s
13.185 N ± 17.9km 89.715 W ± 9.1km

DEPTH = 62.4 ± 13.0 km
4.7mb (2 obs.)

EL SALVADOR (73)
Felt (III) at San Salvador.

SJAS 0.72 48 iPd 27 13.40 -0.2
VSS 0.72 40 iPd 27 13.90 0.3

CUSS 0.75 343 iPd 27 15.10 1.1
OZA 0.78 64 iPd 27 13.70 -0.5

TME 0.90 23 iPc 27 17.10 1.4
VSM 1.42 80 iPc 27 22.20 -0.8

TPX 3.00 305 eP 28 05.00 20.1X
iS 28 22.00

PBJ 6.38 301 iP 28 31.50 -0.8
iS 29 12.00

OXX 7.80 301 eP 28 51.00 -1.2
IISM 9.35 309 (P) 29 18.25 4.9X

PPM 10.37 305 (P) 29 33.50 5.8X
MEO 22.96 341 e(P) 32 02.00 3.5X

TUL 23.28 347 e(P) 32 09.40 7.8X
0.6s 35.50nm 5.0mb

SIV 40.53 135 Pc 34 33.20 -0.4
SCH 45.25 19 eP 35 10.00 -1.6

YKA 52.34 346 eP 36 05.60 -0.6
0.4s 1.80nm 4.5mb

WB2 137.33 255 iPKPd 46 19.80 2.0
0.5s 1.30nm

WRA 137.34 255 PKP 46 19.00 1.2
1.3s 1.30nm

S.D. = 1.3 on 13 of 18 obs.

JUN 01, 1991 11h 35m 36.12± 1.20s
40.120 N ± 6.3km 24.091 E ± 9.8km

DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)

MD 2.1 (THE).

OUR 0.23 339 ePd 35 40.92 -0.1
PAIG 0.37 239 iPc 35 43.30 -0.4

eS 35 47.32
SOH 0.90 322 ePc 35 52.76 -0.6

eS 36 04.20

THE 1.00 301 iPd 35 55.05 0.0
SRS 1.07 339 iPc 35 56.72 0.5

eS 36 09.60
LIT 1.23 270 ePd 35 58.89 -0.1

eS 36 14.68
KNT 1.38 319 ePc 36 02.24 0.8

RZN 1.64 17 eP 36 05.00 -0.2
VAY 1.67 317 ePn 36 05.60 0.1

AGG 1.75 232 ePd 36 07.12 0.4
eS 36 30.04

KKB 1.90 337 iP 36 09.00 0.1
iSg 36 40.00

VTS 2.56 345 eP 36 18.00 -0.4
eSg 38 57.00

S.D. = 0.5 on 12 of 12 obs.

JUN 01, 1991 11h 37m 42.53± 0.94s
41.530 N ± 10.4km 22.304 E ± 6.9km

DEPTH = 5.0km (geophysicist)
YUGOSLAVIA (383)

ML 2.1 (SKO).

VAY 0.29 136 iPg 37 48.40 0.0
iSg 37 54.40

GRG 0.58 173 ePc 37 55.17 1.1
KNT 0.58 129 iPd 37 53.64 -0.5

eS 38 02.72
SKO 0.78 305 ePn 37 58.80 0.6

SRS 1.05 113 ePc 38 03.00 0.1
eS 38 18.04

SOH 1.06 131 ePc 38 02.56 -0.5
eS 38 18.56

OHR 1.21 250 ePn 38 04.50 -1.0
S.D. = 0.9 on 7 of 7 obs.

JUN 01, 1991 12h 00m 49.85± 0.65s
10.706 N ± 3.8km 62.503 W ± 10.5km

DEPTH = 102.3 ± 7.7 km
4.2mb (4 obs.)

NEAR COAST OF VENEZUELA (97)
MD 4.3 (TRN).

TCE 0.74 91 eP 01 07.32 -0.7
eS 01 17.46

TRN 1.08 93 iP 01 11.15 -0.5
TPP 1.10 110 eP 01 12.10 0.2

eS 01 28.48
TBH 1.43 99 eP 01 17.46 1.7

eS 01 33.55
PIG 1.69 74 eP 01 18.95 -0.1

TPR 1.76 74 eP 01 19.68 -0.2
BOT 1.81 75 iP 01 20.09 -0.5

eS 01 43.32
FCV 2.73 27 eP 01 32.76 0.0

eS 02 04.53
SVV 2.89 26 eP 01 35.10 0.2

BIM 4.04 20 iPc 01 50.63 0.0
S 02 34.60

MVM 4.13 22 iPc 01 51.95 0.0
FDF 4.22 18 iPc 01 52.98 -0.1

0.1s 2.70nm
S 02 37.50

DTMT 4.64 14 eP 01 59.07 0.1
eS 02 51.32

eTT 05 35.50
MDN 4.71 13 eP 01 59.12 -0.7

eS 02 51.57
BBL 4.89 12 eP 02 02.01 -0.4

S 02 48.00
MGG 5.31 12 eP 02 08.81 0.7

PAG 5.35 9 eP 02 09.65 0.8
S 03 00.00

DEG 5.75 14 eP 02 13.91 -0.4
BPA 6.33 6 eP 02 22.64 0.3

SIV 26.56 177 Pd 06 19.80 -0.4
ZOB0 27.37 192 P 06 28.00 -0.2

i 14 29.00
CNCB 27.87 191 P 06 33.00 0.3

e 13 02.00
ALO 46.65 308 eP 09 10.20 0.1

0.7s 1.37nm 3.9mb
YKA 63.66 336 eP 11 08.60 -3.5X

0.4s 1.80nm 4.4mb
NB2 72.82 29 P 12 09.10 0.1

0.8s 2.50nm 4.1mb

HFS 73.91 30 eP 12 15.00 -0.2
0.5s 3.60nm 4.5mb
Z 12s 0.04um 3.9mszx
e 12 19.70
e 12 22.20
S.D. = 0.6 on 25 of 26 obs.

* JUN 01, 1991 12h 51m 13.78 ± 2.23s
13.027 N ± 27.5km 89.678 W ± 10.5km
DEPTH = 65.7 ± 13.7 km
4.2mb (1 obs.)

EL SALVADOR (73)
Felt (11) at San Salvador.

SJAS 0.81 38 iPd 51 29.60 -0.4
OZA 0.83 53 iPd 51 30.00 -0.1
VSS 0.83 31 iPd 51 30.20 -0.1
CUSS 0.92 343 iPd 51 31.30 0.0
TME 1.03 18 iP 51 33.20 0.4
VSM 1.42 74 iPc 51 38.50 0.3
PBJ 6.50 302 iP 52 49.00 0.0
(S) 53 48.00

OXX 7.91 302 eP 52 40.50 -28.2X
PPM 10.49 306 iP 53 51.00 6.6X
YKA 52.50 346 eP 00 22.00 -0.1
0.4s 1.10nm 4.2mb

WB2 137.32 255 ePKP 10 36.20 3.8X
0.9s 0.80nm
WRA 137.33 255 PKP 10 36.00 3.5X
0.7s 0.70nm

S.D. = 0.3 on 8 of 12 obs.

* JUN 01, 1991 13h 02m 02.71 ± 1.88s
40.767 N ± 7.7km 29.678 E ± 16.5km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.5 (ISK).

HRT 0.06 352 iPg 02 04.20 -0.8
GBZT 0.18 277 ePg 02 05.40 -1.3
iSg 02 07.40
YLV 0.31 229 iPg 02 08.40 -0.7
eSg 02 13.40
IZI 0.46 200 iPg 02 12.60 0.6
CTT 1.02 292 ePg 02 23.00 1.0
DMK 1.79 307 ePn 02 35.00 1.1
S.D. = 1.4 on 6 of 6 obs.

* JUN 01, 1991 13h 20m 58.89 ± 1.64s
44.328 N ± 7.3km 129.419 W ± 14.4km
DEPTH = 10.0km (geophysicist)
3.8mb (2 obs.)

OFF COAST OF OREGON (30)

SMW 5.19 53 P 22 17.82 -0.7
OSD 5.29 47 P 22 19.39 -0.7
ERK 5.37 66 P 22 21.09 0.0
MTMW 5.37 69 P 22 20.90 -0.2
VLMM 5.38 74 P 22 21.34 0.1
STD 5.43 67 P 22 23.30 1.4
TDL 5.47 66 P 22 22.08 -0.4
KOSW 5.52 65 P 22 23.53 0.4
LMW 5.53 62 P 22 22.73 -0.6
LDW 5.54 51 P 22 23.16 -0.3
GMW 5.64 53 P 22 24.14 -0.6
BLN 5.79 48 P 22 27.70 0.7
ASR 5.82 69 P 22 27.26 -0.1
RVC 5.84 61 P 22 27.45 -0.2
LON 5.87 63 P 22 29.17 1.1
WPW 6.02 64 P 22 29.96 -0.2
FMW 6.02 62 P 22 29.49 -0.9
GSM 6.06 59 P 22 31.36 0.6
VIPM 6.31 85 P 22 33.56 -0.8
HTW 6.36 54 P 22 35.24 0.3
JCW 6.47 51 P 22 36.06 -0.5
TBM 6.79 62 P 22 40.95 -0.2
MBW 6.83 47 P 22 42.63 0.9
RPW 6.84 50 P 22 41.67 -0.1
CMB 9.26 130 eP 23 15.50 0.0
e 23 22.00

LRM 12.09 77 eP 23 56.00 1.6
ALQ 19.96 110 e(P) 25 34.00 -0.2
YKA 20.13 20 eP 25 36.40 0.9
1.0s 2.10nm 3.4mb
FFC 20.49 50 eP 25 38.00 -1.4
0.8s 9.00nm 4.2mb
S.D. = 0.7 on 29 of 29 obs.

% JUN 01, 1991 13h 31m 12.77 ± 1.02s
39.117 N ± 6.6km 27.578 E ± 13.5km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.0 (ISK).

IZM 0.76 199 iPg 31 27.70 0.1
eSg 31 39.70
EZN 1.20 307 ePn 31 35.00 -0.1
EDC 1.25 10 ePn 31 36.00 0.1
BNT 1.27 12 iPn 31 36.10 -0.2
KGT 1.35 351 iPn 31 38.20 0.6
MFT 1.68 352 ePn 31 42.00 -0.4
S.D. = 0.5 on 6 of 6 obs.

* JUN 01, 1991 13h 42m 03.14 ± 3.12s
41.526 N ± 23.2km 23.013 E ± 7.3km
DEPTH = 10.0km (geophysicist)

GREECE-BULGARIA BORDER REGION (363)

ML 1.5 (SKO).

KNT 0.37 193 ePc 42 10.78 -0.1
eS 42 15.62
VAY 0.39 239 iPg 42 11.30 0.2
iSg 42 16.30
SRS 0.60 133 iPd 42 15.17 -0.1
eS 42 23.18
GRG 0.73 219 iPc 42 17.30 -0.2
eS 42 26.74
SOH 0.75 160 ePd 42 17.94 0.1
eS 42 27.86
THE 0.89 182 iPd 42 20.37 0.1
S.D. = 0.2 on 6 of 6 obs.

JUN 01, 1991 13h 48m 49.93 ± 1.07s
41.431 N ± 8.7km 22.999 E ± 5.9km
DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)
ML 1.7 (SKO). MD 1.8 (THE).

KNT 0.28 196 ePc 48 55.98 0.2
eS 49 00.70
VAY 0.34 251 ePg 48 56.60 -0.4
iSg 49 01.80
SRS 0.55 125 ePc 49 00.42 -0.6
GRG 0.65 224 ePc 49 02.46 -0.5
eS 49 12.02
SOH 0.66 156 ePd 49 03.01 -0.2
eS 49 13.10
THE 0.80 182 ePc 49 05.57 0.2
eS 49 17.02
SKO 1.29 295 ePg 49 14.00 0.2
FNA 1.39 243 ePc 49 15.58 0.2
eS 49 34.66
PAIG 1.59 161 ePc 49 19.06 0.9
eS 49 39.90
S.D. = 0.5 on 9 of 9 obs.

? JUN 01, 1991 15h 31m 29.94 ± 5.06s
16.884 N ± 34.2km 101.198 W ± 32.0km
DEPTH = 33.0km (normal)

NEAR COAST OF GUERRERO, MEXICO (58)

ACX 1.28 90 iP 31 51.50 -0.2
iS 32 06.50
III 2.22 48 eP 32 04.50 -0.8
iS 32 30.00
MRX 2.81 0 iP 32 13.50 0.1
iS 32 45.00
UNM 3.10 38 (P) 32 23.00 5.1X
TAC 3.15 37 (P) 32 22.00 3.4X
iS 32 54.00
IIT 3.48 52 eP 32 23.50 0.2
IISM 4.20 60 eP 32 34.00 0.8
OXX 4.29 87 (P) 32 42.25 7.5X
S.D. = 0.8 on 5 of 8 obs.

% JUN 01, 1991 16h 09m 09.70 ± 1.06s
41.229 N ± 12.7km 28.958 E ± 8.4km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.5 (ISK).

ISK 0.18 155 iPg 09 13.70 0.0
CTT 0.41 259 iPg 09 18.00 0.0
HRT 0.67 127 ePn 09 24.00 0.9

IZI 0.97 156 ePn 09 28.30 0.0
DMK 1.08 304 ePn 09 30.00 0.0
EYL 1.13 126 ePn 09 30.00 -0.9
S.D. = 0.7 on 6 of 6 obs.

% JUN 01, 1991 18h 21m 43.06 ± 0.56s
39.058 N ± 5.0km 27.940 E ± 5.5km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 3.2 (ISK).

IZM 0.85 219 ePg 21 59.30 -0.1
eSg 22 11.30
EDC 1.29 357 ePn 22 07.00 0.1
BNT 1.30 359 iPn 22 07.00 -0.1
KHL 1.44 120 ePn 22 09.20 -0.1
EZN 1.47 302 ePn 22 10.00 0.5
KGT 1.48 341 ePn 22 09.50 -0.2
IZI 1.74 42 ePn 22 13.00 -0.6
MFT 1.80 344 ePn 22 14.00 -0.4
YLV 1.87 36 ePn 22 15.00 -0.4
HRT 2.21 36 ePn 22 21.00 0.7
EYL 2.28 48 ePn 22 22.00 0.6
S.D. = 0.5 on 11 of 11 obs.

* JUN 01, 1991 18h 30m 48.23 ± 2.31s
16.277 N ± 18.5km 99.527 W ± 14.3km
DEPTH = 33.0km (normal)

NEAR COAST OF GUERRERO, MEXICO (58)

ACX 0.67 332 iP 31 01.25 0.0
iS 31 10.50
PIO 1.35 85 iP 31 10.50 -0.4
iS 31 30.00
III 2.09 2 eP 31 22.50 0.7
iS 31 49.00
VHO 2.79 73 iP 31 32.00 0.2
OXX 2.80 73 eP 31 32.50 0.6
PPM 2.90 17 iP 31 34.25 0.6
IIT 2.97 23 (P) 31 42.00 7.7X
iS 32 11.50
UNM 3.06 6 eP 31 35.00 -0.6
TAC 3.13 6 iP 31 36.00 -0.6
IISM 3.39 37 eP 31 40.00 -0.1
iS 32 22.00
MRX 3.76 335 (P) 31 52.00 6.7X
PBJ 3.96 87 iP 31 48.50 0.3
S.D. = 0.6 on 10 of 12 obs.

JUN 01, 1991 20h 00m 41.70 ± 1.11s
41.452 N ± 9.0km 23.002 E ± 6.3km
DEPTH = 10.0km (geophysicist)

GREECE-BULGARIA BORDER REGION (363)

ML 1.7 (SKO). MD 2.2 (THE).

KNT 0.30 195 ePd 00 48.10 0.1
eS 00 52.70
VAY 0.35 248 iPg 00 48.40 -0.5
iSg 00 53.40
SRS 0.56 127 iPc 00 52.38 -0.6
eS 01 00.50
GRG 0.67 223 iPc 00 54.66 -0.4
eS 01 04.26
SOH 0.68 157 iPc 00 55.14 -0.1
eS 01 05.18
THE 0.82 182 ePd 00 57.46 -0.1
eS 01 10.14
SKO 1.28 294 ePg 01 05.50 0.1
FNA 1.40 242 iPc 01 07.85 0.6
eS 01 26.94
PAIG 1.61 161 ePc 01 11.22 1.0
S.D. = 0.6 on 9 of 9 obs.

& JUN 01, 1991 20h 37m 20.78s
58.515 N 155.441 W
DEPTH = 77.6km

ALASKA PENINSULA (12)
<AEC>

SLKM 3.33 51 eP 38 10.98 -0.6
S 38 48.41
NCG 3.34 28 eP 38 11.20 -0.5
SEW 3.46 60 eP 38 12.06 -1.3
S 38 51.99
SUA 3.78 37 eP 38 15.77 -2.2
SKT 3.99 28 eP 38 18.37 -2.4
PMS 4.03 45 eP 38 18.77 -2.7

01d 20h

LTJ	4.18	65	eP	39 04.11	
MTU	4.26	66	eP	38 20.28	-3.2
KNIM	4.34	62	eP	38 22.21	-2.4
PLRM	4.42	43	eP	38 22.36	-3.4
KNK	4.56	47	eP	38 23.18	-3.6
				38 26.29	-2.5
			S	39 15.71	
GHO	4.61	42	eP	38 25.10	-4.5
CUT	4.67	31	eP	38 26.30	-3.9
GLI	4.85	57	eP	38 28.72	-4.1
VZW	5.16	57	eP	38 33.56	-3.7
SCM	5.24	47	eP	38 34.91	-3.4
VLZ	5.29	56	eP	38 35.32	-3.6
KLU	5.63	54	eP	38 39.56	-4.2
TOA	5.84	48	eP	38 42.88	-3.9
GLB	6.53	58	eP	38 51.87	-4.4
GLB	6.53	58	iP	38 52.29	-3.9
BALM	7.08	64	eP	38 59.28	-4.5

22 obs. associated

JUN 01, 1991 20h 54m 12.85 ± 0.47s
 39.977 N ± 4.0km 28.959 E ± 3.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.0 (ISK).

IZI	0.53	47	iPg	54 23.30	-0.4
YLV	0.67	28	iPg	54 25.80	-0.4
			eSg	54 35.00	
GBZT	0.89	24	ePg	54 30.50	0.6
			eSg	54 43.60	
EDC	0.92	294	ePn	54 30.00	-0.4
HRT	1.00	32	iPn	54 31.50	-0.4
EYL	1.09	57	iPn	54 34.00	0.6
ISK	1.09	4	iPn	54 33.50	0.2
CTT	1.24	341	iPn	54 35.50	-0.3
ALT	1.28	136	iPn	54 36.30	-0.4
KGT	1.35	291	iPn	54 37.70	0.0
MFT	1.52	303	ePn	54 40.50	0.4
KHL	1.71	165	ePn	54 43.20	0.3
DMK	2.06	334	ePn	54 48.00	0.2

S.D. = 0.4 on 13 of 13 obs.

* JUN 01, 1991 21h 54m 10.94 ± 0.93s
 23.637 S ± 9.8km 69.622 W ± 12.6km
 DEPTH = 33.0km (normal)
 NORTHERN CHILE (123)

ANT	0.73	264	eP	54 24.20	-0.6
			i	54 25.40	
			iS	54 35.00	
CNCB	6.96	13	P	56 06.00	12.2X
LPB	7.21	12	eP	55 58.00	0.8
			i	56 30.00	
ARE	7.35	346	eP	56 08.00	9.0X
			eS	57 33.00	
ZOBO	7.46	11	P	56 11.00	10.2X
Z	24s		0.08um		
			i	56 29.00	
			LR	43 44.00	
MDZ	9.24	176	e(P)	56 26.20	1.2
PEL	9.52	185	eP	56 28.50	-0.3
SIV	11.07	48	P	56 56.50	6.4X
PPD	16.96	88	(P)	58 27.00	19.7X
VAO	20.81	93	(P)	58 51.00	-1.2
WB2	130.78	210	ePKP	13 26.30	5.2X
	0.8s		1.30nm		
WRA	130.79	210	PKP	13 26.00	4.9X
	1.8s		1.90nm		

S.D. = 1.4 on 5 of 12 obs.

% JUN 01, 1991 23h 33m 20.33 ± 1.25s
 37.432 N ± 10.5km 0.126 W ± 8.9km
 DEPTH = 17.0 ± 6.4 km
 SPAIN (377)
 mbLg 3.4 (MDD).

ACU	1.10	348	ePg	33 41.08	0.5
			eSg	33 55.60	
EALH	1.11	293	ePg	33 40.50	-0.2
			eSg	33 56.40	
ENIJ	1.72	255	ePg	33 48.81	-1.0
			eSg	34 10.90	
EHUE	2.00	282	ePn	33 54.30	0.5
			eSn	34 18.50	
EVIA	2.23	303	ePn	33 56.69	-0.5
			eSn	34 24.20	

ECHE	2.25	343	ePn	33 57.34	-0.1
			eSn	34 25.80	
ECOG	2.75	268	ePn	34 05.37	0.8
			eSn	34 35.60	
EGUA	2.81	259	ePn	34 05.71	0.3
			eSn	34 36.70	
EBAN	2.99	285	ePn	34 07.13	-0.7
			eSn	34 42.10	
ESEL	3.32	44	ePn	34 12.60	0.0
			eSn	34 50.10	
EROQ	3.41	7	ePn	34 13.35	-0.5
			eSn	34 53.00	

S.D. = 0.7 on 11 of 11 obs.

JUN 02, 1991 01h 23m 59.20 ± 0.53s
 40.844 N ± 4.2km 22.789 E ± 4.9km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 1.8 (SKO). MD 1.6 (THE).

THE	0.25	148	ePc	24 04.52	0.0
			eS	24 07.88	
GRG	0.31	291	iPc	24 05.92	0.2
			eS	24 10.88	
KNT	0.33	15	ePd	24 06.28	0.3
			eS	24 10.84	
SOH	0.43	93	iPc	24 08.16	0.2
			eS	24 13.96	
VAY	0.50	341	iPg	24 09.20	-0.2
			iSg	24 15.60	
SRS	0.67	66	eP	24 12.12	-0.4
			eS	24 21.56	
LIT	0.78	197	ePc	24 14.18	-0.2
			eS	24 25.48	
PAIG	1.14	143	iPc	24 20.64	0.1
			eS	24 38.00	

S.D. = 0.3 on 8 of 8 obs.

JUN 02, 1991 01h 52m 22.00 ± 0.29s
 1.239 N ± 4.1km 128.304 E ± 6.8km
 DEPTH = 29.1km (5 depth phases)
 5.2mb (25 obs.) 4.2Msz (4 obs.)
 HALMAHERA (267)

MNI	3.47	273	eP	53 13.50	-1.9
AAI	4.89	181	ePd	53 37.00	1.5
			eS	53 42.50	
DAV	6.42	335	eP	54 02.40	5.4X
TSM	10.64	286	eP	54 57.50	1.9
KNA	16.89	178	eP	56 16.30	-1.7
BAG	16.89	334	eP	56 19.00	0.8
			eS	59 42.00	
SZP	17.95	335	eP	56 10.00	-21.3X
TRT	17.98	240	ePc	56 31.90	0.3
PIP	18.58	337	iPc	56 38.00	-1.0
PMG	21.55	120	eP	57 19.00	7.8X
WB2	21.87	165	iPd	57 14.30	-0.2
	0.7s		97.70nm		5.3mb
			i	57 27.60	56kmX
			i	01 17.80	
KGM	24.99	272	eP	57 45.00	0.1
HKC	25.05	328	eP	57 49.60	4.2X
QIZ	25.30	315	eP	57 49.00	1.2
QZH	25.36	339	P	57 49.50	1.2
	0.8s		52.00nm		5.2mb
WARB	27.31	183	eP	58 07.00	0.7
IPM	27.44	278	ePd	58 09.20	1.6
MEKA	29.25	198	eP	58 22.50	-1.3
PSI	29.40	273	ePc	58 30.50	5.2X
SSE	30.45	348	eP	58 34.80	0.4
	0.8s		10.00nm		4.7mb
	20s		0.50um		4.2Msz
	10s		0.20um		

FORR	31.91	180	iPd	58 46.10	-1.1
	0.5s		21.00nm		5.3mb
WHN	32.01	337	eP	58 48.80	0.7
	0.8s		40.00nm		5.4mb
			pP	58 56.00	25km
KHT	32.29	296	eP	58 51.00	0.3
MRWA	32.49	200	eP	58 51.00	-1.4
GYA	32.59	322	P	58 57.00	3.6X
			S	04 08.00	
CHG	33.67	303	eP	59 03.00	0.2
KMI	34.25	316	Pc	59 10.00	2.0
	1.5s		30.00nm		5.0mb
			pP	59 18.00	27km
TSRJ	34.86	11	P	59 10.30	-2.5

MUN	34.97	198	eP	59 12.00	-1.8
IIDJ	35.22	14	P	59 14.60	-1.3
STK	35.27	160	eP	59 19.30	3.0X
	0.6s		4.00nm		4.5mb
NWAO	35.55	196	eP	59 17.00	-1.7
CHJJ	36.03	15	P	59 19.60	-3.1X
MTMJ	36.25	13	P	59 25.20	0.5
MAT	36.30	14	(P)	59 22.00	-3.1X
	0.7s		30.82nm		5.3mb
			eS	05 13.00	
TIA	36.31	345	eP	59 24.00	-0.5
NIIJ	37.16	14	P	59 31.70	-0.5
RKG	37.16	196	eP	59 32.00	-0.3
ADE	37.31	166	eP	59 34.50	0.9
XAN	37.33	333	Pd	59 33.10	-0.7
	1.0s		100.00nm		5.6mb
CD2	37.57	324	P	59 36.00	0.2
DL2	37.98	352	P	59 39.00	-0.1
	1.0s		81.00nm		5.5mb
TIY	39.13	340	eP	59 48.00	-0.8
	1.0s		47.00nm		5.2mb
Z	20s		0.38um		4.2Msz
N	12s		0.19um		
BJI	40.17	346	eP	59 56.50	-0.8
	1.4s		73.00nm		5.2mb
BWA	40.19	154	eP	59 59.90	2.3
BFD	40.44	162	eP	00 01.00	1.4
SNY	40.63	355	iPc	00 00.60	-0.4
	1.2s		100.00nm		5.4mb
Z	20s		0.50um		4.4Msz
			pP	00 05.00	15kmX
			S	06 10.00	
CAN	41.20	154	eP	00 07.10	1.3
LZH	41.43	330	Pd	00 09.00	1.1
	1.5s		71.00nm		5.2mb
Z	22s		0.41um		4.3Msz
E	10s		0.22um		
			pP	00 13.00	13kmX
			PP	01 49.00	
			eS	06 20.00	
			sS	06 30.00	
HHC	42.24	341	P	00 14.40	-0.1
	1.0s		63.00nm		5.3mb
CN2	42.45	357	eP	00 16.20	0.2
			eP	00 30.00	52kmX
BTO	42.54	339	eP	00 19.00	2.1
MDJ	43.21	1	eP	00 21.00	-1.1
LSA	45.26	312	P	00 40.60	1.1
GTA	46.03	329	Pd	00 45.00	0.0
	1.0s		10.00nm		4.7mb
			pP	00 54.20	31km
GUN	48.46	307	P	01 04.34	-0.3
PKI	48.69	306	P	01 05.52	-0.9
KKN	48.89	307	P	01 07.26	-0.5
HYB	51.46	291	eP	01 27.50	0.2
	1.2s		71.40nm		5.5mb
			e	01 36.00	28km
G8A	51.79	286	Pc	01 28.80	-0.9
	0.8s		11.40nm		4.9mb
WMO	55.65	325	iPc	01 57.50	-0.4
	0.9s		100.00nm		5.8mb
Z	24s		0.30um		4.3MszX
			sP	02 10.20	
			S	09 41.60	
YAK	60.64	1	eP	02 29.90	-2.4
QUE	64.80	303	eP	03 03.60	2.7X
CSY	68.57	188	eP	03 23.80	0.0
	0.3s		11.60nm		5.5mb
MAIO	72.27	308	eP	03 48.00	1.0
SDN	78.36	34	e(P)	04 21.30	0.2
SVW	82.21	28	eP	04 43.30	1.7
KDC	83.19	32	eP	04 47.60	1.0
IMA	84.01	24	eP	04 51.90	1.0
	0.9s		13.40nm		5.1mb
BRW	84.03	18	eP	04 52.30	1.6
PMR	85.37	28	eP	04 57.50	-0.1
OBN	89.97	325	eP	05 17.00	-2.9
			i	05 28.00	35km
SPA	91.23	180	eP	05 27.00	1.3
	0.7s		7.81nm		5.2mb
INK	91.89	22	eP	05 29.00	

02d 02h

YKA 101.09 25 eP diff 06 09.80 -0.6
 0.9s 1.40nm 4.5mb
 NB2 101.70 334 Pd diff 06 09.90 -3.3X
 0.9s 2.10nm 4.7mb
 ALQ 117.49 49 e(PKP) 11 06.00 -1.5
 UPA 150.46 69 ePKP 12 14.00 6.1X
 CNCB 157.72 135 PKP 12 25.00 6.5X
 LPB 157.82 134 ePKP 12 31.00 12.5X
 ZOBO 157.97 134 ePKP 12 24.00 5.2X
 S.D. = 1.2 on 67 of 85 obs.

JUN 02, 1991 02h 43m 41.81 ± 1.03s
 10.522 S ± 5.7km 161.652 E ± 9.0km
 DEPTH = 111.5 ± 9.7 km
 4.9mb (11 obs.)

SOLOMON ISLANDS (193)

HNR 2.00 303 iP 44 14.50 -0.8
 iS 44 40.50
 SVO 2.27 307 iP 44 19.00 0.2
 DZM 12.37 159 iPc 46 34.90 -0.4
 iS 48 47.00
 PMG 14.32 273 eP 47 02.00 1.4
 CTA 17.62 236 iPd 47 43.00 1.2
 1.0s 25.00nm 4.4mb
 iS 51 02.00
 BRS 18.75 205 iPd 47 56.00 1.1
 i 49 02.00
 RMO 20.02 216 eP 48 09.00 0.9
 0.7s 61.00nm 5.1mb
 e 48 19.00
 e 49 06.00
 COO 21.92 203 iPc 48 27.50 0.3
 0.6s 28.00nm 4.8mb
 CMS 25.50 213 eP 49 01.00 -0.4
 BWA 26.69 205 eP 49 10.90 -1.5
 e 49 34.60
 CAN 27.24 203 eP 49 17.00 -0.4
 e 49 41.00
 WB2 27.92 247 iPc 49 22.20 -1.4
 0.5s 18.60nm 5.0mb
 e 49 32.70
 i 49 45.80
 e 56 09.30
 e 56 54.50
 TOO 30.61 206 iPd 49 47.70 0.3
 0.7s 43.00nm 5.3mb
 BFD 31.64 210 eP 49 56.00 -0.4
 WARB 36.55 240 eP 50 38.30 -0.3
 MRWA 46.45 240 eP 51 58.80 -0.6
 MAT 51.75 336 (P) 52 39.00 -1.0
 CHG 68.35 295 eP 54 55.00 21.4X
 PDB 78.44 21 P 55 31.00 -0.5
 SVW 78.92 20 P 55 36.00 1.8
 1.0s 48.00nm 5.3mb
 KKN 83.04 300 P 56 00.00 3.2X
 IMA 83.13 17 P 55 56.80 0.5
 FBA 84.12 19 P 56 00.40 -0.7
 0.6s 6.77nm 4.7mb
 TNP 89.53 51 P 56 29.00 0.8
 1.5s 11.36nm 4.8mb
 NEW 91.99 41 P 56 39.30 0.2
 1.0s 5.88nm 4.8mb
 YKA 96.37 28 eP 56 57.90 -0.9
 0.5s 0.80nm 4.5mb
 ALO 97.47 56 eP 57 05.00 0.3
 ANMO 97.48 56 P 57 05.00 0.3
 1.0s 5.00nm 5.0mb
 S.D. = 0.9 on 26 of 28 obs.

JUN 02, 1991 03h 05m 27.17 ± 0.38s
 40.297 N ± 5.0km 143.706 E ± 5.7km
 DEPTH = 28.1km (7 depth phases)
 4.9mb (35 obs.) 3.9msz (2 obs.)
 OFF EAST COAST OF HONSHU, JAPAN (229)

OFUJ 1.99 233 iP+ 06 00.30 0.8
 MOOJ 2.11 352 P 06 00.50 -0.7
 eS 06 25.80
 ADMJ 2.56 277 iP+ 06 09.20 1.6
 KUSJ 2.90 15 iP+ 06 10.00 -2.4
 S 06 41.70
 MRRJ 2.91 318 P 06 12.60 0.1
 eS 06 47.40
 YAMJ 3.55 235 iP+ 06 22.40 0.6

ASAJ 3.90 349 eP 06 25.50 -1.1
 eS 07 08.40
 NIJ 4.78 232 P 06 39.40 0.3
 KAKJ 4.94 215 eP 06 39.20 -2.2
 eS 07 33.70
 CHJJ 5.64 223 P 06 50.10 -1.1
 eS 07 54.10
 MAT 5.72 231 iPc 06 52.80 0.4
 1.0s 114.00nm 5.5mb
 eS 08 27.00
 MTMJ 5.93 233 P 06 56.00 0.5
 IIDJ 6.64 225 P 07 04.80 -0.7
 TSRJ 7.73 235 P 07 21.20 0.5
 MDJ 11.28 297 Pd 08 09.80 0.2
 1.0s 71.00nm 5.8mb
 Z 15s 1.33um
 N 12s 0.78um
 E 13s 0.75um

CN2 14.01 290 eP 08 45.00 -0.9
 1.0s 10.00nm 4.5mb
 Z 15s 1.00um 4.0mszX
 N 13s 0.30um
 E 13s 0.30um
 eP 08 51.00
 eS 11 20.00
 SNY 15.26 282 iPd 09 02.50 0.3
 1.0s 100.00nm 5.0mb
 Z 14s 0.80um
 E 14s 0.60um

DL2 17.07 272 eP 09 24.50 -0.8
 1.0s 80.00nm 4.8mb
 SSE 20.42 250 Pc 10 05.30 0.6
 1.0s 15.00nm 4.3mb
 Z 16s 0.40um 3.9mszX
 E 11s 0.20um
 pP 10 10.80 20km

BJI 21.01 278 eP 10 08.00 -2.7
 Z 14s 0.35um 3.9mszX
 TIA 21.24 267 eP 10 10.80 -2.3
 NJ2 21.63 255 Pd 10 15.50 -1.5
 Z 20s 0.30um 3.7msz
 YAK 23.35 343 eP 10 30.20 -3.5X
 HHC 24.35 282 P 10 43.00 -0.8
 1.0s 13.00nm 4.4mb
 Z 14s 0.60um 4.2mszX
 E 13s 0.20um

TIY 24.38 274 Pc 10 44.00 0.0
 Z 17s 0.48um 4.1mszX
 N 15s 0.40um
 BTO 25.55 282 eP 10 55.00 -0.2
 N 16s 0.20um
 E 16s 0.50um
 WHN 25.73 257 Pd 10 57.50 0.7
 XAN 28.29 268 P 11 19.40 -0.9
 IRK 29.37 307 eP 11 30.30 0.5
 LZH 31.42 275 eP 11 46.50 -1.8
 1.5s 31.00nm 4.9mb
 Z 17s 0.25um 4.0mszX
 N 12s 0.28um

GTA 33.45 283 Pc 12 06.20 0.3
 1.0s 40.00nm 5.3mb
 Z 16s 0.50um 4.3mszX
 E 14s 0.40um
 pP 12 14.80 29km

CD2 33.57 267 P 12 06.40 -0.5
 GYA 33.62 257 iPd 12 07.40 0.0
 1.2s 100.00nm 5.6mb
 N 16s 0.40um
 E 16s 0.40um

WMO 41.06 294 iPd 13 11.00 1.2
 0.8s 100.00nm 5.6mb
 Z 20s 0.30um 4.2msz

CHG 43.87 254 eP 13 14.80 13kmX
 SHL 45.29 267 eP 13 34.00 1.1
 GUN 48.67 274 P 13 45.50 1.0
 KKN 49.19 274 P 14 11.60 0.4
 PKI 49.20 274 P 14 15.20 0.2
 DMN 49.41 274 P 14 17.20 0.4
 INK 50.67 28 eP 14 25.00 -0.5
 MBC 52.89 17 eP 14 40.00 -2.2
 1.0s 6.00nm 4.5mb
 YKA 60.09 32 eP 15 33.00 -0.7
 0.8s 0.80nm 3.9mb
 WB2 60.56 190 iPd 15 35.60 -1.7
 0.7s 3.90nm 4.6mb

KEY 61.03 339 eP 15 36.00 -4.1X
 SOD 62.66 337 iP 15 50.20 -0.8
 GBA 63.27 265 Pd 15 55.60 -0.1
 0.5s 3.20nm 4.7mb
 KAF 66.23 333 iP 16 13.30 -0.9
 0.6s 7.10nm 5.0mb
 eS 16 13.80
 OBN 66.55 323 eP 16 17.00 0.6
 NUR 67.91 332 iP 16 24.00 -0.9
 0.4s 3.60nm 4.8mb
 LRM 70.58 46 eP 16 42.50 0.6
 UPP 70.80 334 iP 16 41.80 -0.8
 HFS 71.84 336 eP 16 47.80 -1.1
 0.5s 2.70nm 4.5mb
 Z 15s 0.07um 4.1mszX

eP 16 57.90 32km
 eS 17 01.50
 ePc 17 08.50
 LR 47 13.00

NB2 71.86 338 P 16 48.30 -0.8
 0.8s 7.00nm 4.7mb
 FRB 73.18 14 eP 16 55.00 -1.7
 KRA 77.38 327 iPd 17 21.70 0.9
 e 17 30.90 29km
 KSP 78.25 329 eP 17 26.40 0.8
 BRG 79.14 330 e(P) 17 30.70 0.2
 CLL 79.14 331 eP 17 30.00 -0.5
 1.0s 14.00nm 4.9mb

PRU 79.62 329 eP 17 34.00 0.9
 MOX 80.19 331 e(P) 17 36.00 -0.2
 KHC 80.68 329 iPc 17 40.00 1.2
 1.0s 5.30nm 4.5mb
 e 17 49.00 29km
 GRF 81.12 331 ePc 17 42.40 1.3
 e 17 52.10 31km

ALQ 81.14 51 eP 17 42.00 0.3
 VAY 82.77 319 eP 17 50.50 0.7
 SKO 82.83 321 eP 17 51.70 1.6
 CDF 83.62 332 eP 17 54.50 0.4
 OHR 83.80 320 eP 17 55.50 0.3
 LOR 85.78 334 iPc 18 05.30 0.4
 0.8s 7.40nm 5.0mb
 LBF 85.99 334 iPc 18 06.30 0.3
 0.8s 6.70nm 4.9mb

SSF 86.08 334 iPc 18 06.90 0.5
 0.9s 6.55nm 4.9mb
 LPL 86.28 331 iPc 18 08.50 0.8
 1.0s 9.00nm 5.0mb
 LPG 86.28 331 eP 18 08.80 1.0
 1.0s 8.00nm 4.9mb
 SMF 86.33 334 iPc 18 08.20 0.6
 0.9s 6.55nm 4.9mb
 AVF 86.37 334 iPc 18 08.50 0.7
 1.0s 16.00nm 5.2mb

LPF 86.66 337 eP 18 10.20 1.0
 1.0s 12.00nm 5.1mb
 BGF 86.74 334 eP 18 10.30 0.7
 1.0s 4.00nm 4.6mb
 MAF 87.13 334 iPc 18 12.60 1.0
 1.0s 13.00nm 5.1mb
 TCF 87.19 334 eP 18 12.80 0.9
 0.8s 3.35nm 4.6mb
 LSF 87.44 335 eP 18 13.90 0.8
 1.0s 10.00nm 5.0mb

MFF 87.66 336 eP 18 15.20 1.1
 0.8s 5.35nm 4.9mb
 CAF 88.43 334 eP 18 19.40 1.5
 0.9s 5.75nm 4.9mb
 SIV 147.59 49 PKP 25 08.60 0.6
 S.D. = 1.0 on 81 of 83 obs.

? JUN 02, 1991 03h 11m 08.60 ± 4.90s
 36.516 N ± 43.3km 28.527 E ± 23.7km
 DEPTH = 33.0km (normal)
 DODECANESE ISLANDS (369)
 MD 3.8 (ISK).

YER 0.65 342 iPg 11 20.70 -0.6
 iSg 11 31.70
 ELL 1.14 78 iPn 11 28.00 -0.4
 CIN 1.14 342 eP 11 29.00 0.8
 BCK 1.90 60 ePn 11 40.00 0.6
 KHL 1.97 23 ePn 11 40.00 -0.4
 S.D. = 0.9 on 5 of 5 obs.

JUN 02, 1991 03h 26m 33.82 ± 0.56s
 37.671 N ± 6.8km 118.884 W ± 6.1km

02d 03h

DEPTH = 5.0km (geophysicist)
CALIFORNIA-NEVADA BORDER REGION (40)
ML 2.6 (GS).

BONR	0.54	58	iP	26	44.50	-0.2
CMB	1.24	287	eP	26	56.70	-0.7
TNP	1.38	72	eP	26	59.50	-0.4
KVN	1.51	24	eP	27	02.50	0.8
PKEM	1.88	212	eP	27	07.50	0.6
ARN	2.13	262	eP	27	11.00	0.4
BCH	2.66	202	eP	27	17.60	-0.7
ORV	2.78	313	eP	27	25.00	5.1X
ABL	2.83	186	eP	27	21.00	0.3

S.D. = 0.7 on 8 of 9 obs.

* JUN 02, 1991 03h 42m 35.62± 0.85s
66.570 N ±10.4km 157.000 W ± 8.4km
DEPTH = 33.0km (normol)

ALASKA (676)
ML 3.6 (PMR).

IMA	1.43	109	eP	43	00.00	0.4
			i	43	00.90	
			eS	43	21.80	
ANM	4.02	244	eP	43	36.30	-0.1
FBA	4.15	110	eP	43	37.60	-0.6
BRW	4.76	1	eP	43	46.80	0.1
SVW	5.52	173	eP	43	51.70	-5.9X
TOA	6.49	129	eP	44	11.60	0.3

S.D. = 0.6 on 5 of 6 obs.

? JUN 02, 1991 04h 13m 03.39± 0.54s
36.286 N ±16.0km 69.633 E ±13.2km
DEPTH = 33.0km (normol)

4.1mb (6 obs.)
HINDU KUSH REGION (718)

DMN	15.71	119	P	16	44.78	0.7
KKK	15.73	118	P	16	44.06	-0.2
PKI	15.95	119	P	16	46.72	-0.5
GUN	16.09	117	P	16	48.64	-0.4
GBA	23.65	161	Pc	18	13.40	0.8
	0.7s	2.70nm			3.9mb	
KAF	37.21	328	eP	20	13.70	0.7
	1.0s	7.40nm			4.5mb	
		eS	20	13.90		
NUR	37.36	325	iP	20	15.00	0.7
	0.4s	2.70nm			4.5mb	
HFS	42.56	322	eP	20	57.30	0.0
	0.6s	1.80nm			4.0mb	
		e	21	22.10		
NB2	43.89	323	P	21	07.40	-0.8
	0.8s	2.70nm			4.1mb	
KIC	73.67	266	P	24	35.00	-0.9
YKA	81.50	2	eP	25	12.10	-6.2X
	0.8s	0.50nm			3.6mb	

S.D. = 0.8 on 10 of 11 obs.

? JUN 02, 1991 04h 25m 29.03± 8.88s
33.749 S ±31.6km 72.485 W ±62.2km
DEPTH = 10.0km (geophysicist)
OFF COAST OF CENTRAL CHILE (134)
Felt (111) at Valparaiso.

LCCH	0.81	71	iP	25	45.50	0.8
IHA	1.01	45	eP	25	47.00	-1.1
			iS	25	52.20	
TACH	1.29	86	iPd	25	52.60	-0.4
			iS	26	02.00	
ROCH	1.46	58	iPd	25	52.00	-3.6X
			iS	26	02.00	
SAN	1.55	80	iPd	25	55.50	-1.2
			iS	26	07.00	
PCH	1.65	86	iPd	25	57.50	-0.7
			iS	26	12.50	
JACH	1.91	57	iP	25	59.50	-2.5X
			iS	26	14.50	
MDZ	3.16	75	eP	26	21.80	1.9
			i	26	31.30	
RTCB	3.84	55	e(P)	26	31.00	1.4
			S	27	14.50	
RTLL	4.16	56	ePc	26	33.40	-0.6
WB2	120.79	210	ePd	40	58.00	9.4X
	1.0s	0.80nm				
		e	41	35.20		
		e	42	37.70		
		e	43	11.30		

S.D. = 1.4 on 8 of 11 obs.

& JUN 02, 1991 06h 28m 16.48s
61.042 N 146.526 W

DEPTH = 13.2km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

VZW	0.02	321	iPd	28	19.39	0.3
VLZ	0.13	46	iPd	28	19.98	0.0
			iS	28	22.77	
GLI	0.32	240	iPd	28	22.39	-0.9
			iS	28	27.02	
KLU	0.54	33	iPd	28	25.89	-1.4
			eS	28	32.69	
CVA	0.63	142	iPc	28	27.76	-1.0
			eS	28	37.61	
HIN	0.65	179	iPc	28	28.63	-0.5
			S	28	38.48	
SGAM	0.84	129	ePc	28	31.09	-1.4
			S	28	44.46	
SCM	0.88	334	eP	28	31.38	-1.8
			S	28	43.24	
KNIM	0.92	221	eP	28	33.30	-0.4
			eS	28	46.23	
KNK	1.00	293	iPc	28	34.83	-0.4
			eS	28	48.71	
TOA	1.08	9	ePc	28	35.57	-1.0
RAGM	1.12	125	ePc	28	37.07	-0.2
			eS	28	52.16	
TZL	1.14	27	eP	28	36.53	-0.9
			S	28	52.32	
SML	1.16	312	eP	28	35.99	-1.9
			S	28	52.63	
MTU	1.20	208	eP	28	38.15	-0.3
LTI	1.20	214	eP	28	37.86	-0.7
HMT	1.32	121	ePc	28	39.70	-0.9
			eS	28	58.53	
GHO	1.37	303	iPc	28	40.29	-0.9
			eS	28	59.15	
GLB	1.37	72	ePc	28	39.93	-1.4
PLRM	1.37	295	eP	28	39.96	-1.2
			eS	28	57.43	
PMS	1.49	279	ePc	28	42.29	-0.6
			S	29	02.24	
SDG	1.56	17	ePd	28	42.73	-1.2
CRQM	1.68	98	eP	28	45.42	-0.4
			S	29	07.80	
SEW	1.72	238	eP	28	45.69	-0.5
PWA	1.73	292	eP	28	46.08	-0.2
TGL	1.83	97	eP	28	46.95	-1.0
			eS	29	11.20	
SLKM	1.89	255	ePc	28	48.69	0.0
			eS	29	12.29	
WAX	1.90	107	ePc	28	47.77	-1.1
			S	29	13.44	
PAX	2.00	14	eP	28	49.68	-0.7
BALM	2.03	88	ePd	28	49.92	-1.0
SUA	2.08	284	eP	28	50.77	-0.8
CUT	2.25	309	ePc	28	53.91	0.1
HUR	2.43	324	eP	28	55.87	-0.6
CTGM	2.53	89	eP	28	57.16	-0.8
SKT	2.58	294	eP	28	57.13	-1.4
RND	2.61	336	eP	28	58.22	-0.9
NCG	2.75	280	eP	28	59.20	-1.9
CKL	2.82	276	eP	29	00.79	-1.4
BGL	2.85	277	eP	29	00.38	-2.2
RDT	2.92	263	eP	29	02.29	-1.2
REF	3.08	262	eP	29	04.06	-1.8
RDN	3.10	263	eP	29	04.53	-1.6
RSO	3.11	262	eP	29	04.35	-1.9

43 obs. associated

JUN 02, 1991 06h 39m 39.93± 0.51s
3.499 S ± 6.5km 136.991 E ± 9.9km
DEPTH = 33.0km (normol)

4.4mb (5 obs.)
WEST IRIAN (201)

AAI	8.78	269	eP	41	50.00	2.4
MTN	10.95	212	eP	42	17.00	-0.4
KNA	14.62	213	eP	43	05.80	-0.5
	0.3s	88.00nm			5.7mb X	
		eS	45	39.00		
WB2	16.55	189	iPc	43	27.60	-3.6X
	0.5s	19.50nm			4.5mb	
		i	43	34.60		

e	43	50.20	
e	49	23.20	
eS	51	16.20	
e	53	26.20	

CTA	18.80	152	iPc	43	59.40	0.1
	0.9s	49.58nm			4.7mb	
MBL	24.22	222	iPd	44	55.20	0.3
WARB	24.64	203	eP	44	59.00	0.0
	0.4s	14.00nm			4.9mb	
NANU	28.14	226	eP	45	30.30	-0.9
FORR	28.47	196	eP	45	32.00	-2.1
STK	28.56	172	eP	45	36.40	1.4
	1.1s	1.50nm			3.6mb	
MRWA	32.43	216	eP	46	07.60	-1.7
BWA	32.56	162	eP	46	11.60	1.2
CAN	33.56	162	eP	46	18.60	-0.5
MAT	39.85	2	eP	47	11.00	-1.1
	0.9s	3.36nm			4.1mb	
CHG	43.52	302	eP	47	42.00	-0.5
SNY	46.73	346	eP	48	07.50	-0.2
CN2	48.22	349	eP	48	18.50	-0.9
GTA	54.70	325	eP	49	08.80	0.3
GUN	58.24	306	P	49	43.40	9.1X
PKI	58.49	305	P	49	41.20	5.2X
KKK	58.68	306	P	49	40.50	3.3X
DMN	58.75	305	P	49	38.00	0.3
GKN	59.28	305	P	49	41.40	0.1
SBA	75.95	174	P	51	25.60	0.8
ZOBO	148.34	129	ePKP	59	23.00	0.3
CCH	149.15	133	ePKP	59	25.00	1.4

S.D. = 1.1 on 22 of 26 obs.

? JUN 02, 1991 07h 04m 35.18± 5.30s
38.687 N ±46.8km 21.395 E ±14.7km
DEPTH = 10.0km (geophysicist)

GREECE (364)
MD 2.7 (THE).

AGG	0.80	65	ePd	04	51.10	0.3
			eS	05	01.26	
IGT	1.18	316	ePd	04	56.62	-0.6
			eS	05	15.10	
LIT	1.65	31	ePc	05	02.61	-1.7
			eS	05	22.74	
FNA	2.09	360	ePc	05	09.78	-1.0
			eS	05	34.82	
PAIG	2.16	54	ePc	05	11.82	0.1
OHR	2.46	349	ePn	05	17.30	1.2
SKO	3.28	1	ePn	05	29.00	1.3

S.D. = 1.4 on 7 of 7 obs.

? JUN 02, 1991 07h 45m 15.08± 5.44s
15.328 S ±73.4km 75.362 W ±58.0km
DEPTH = 63.9 ± 27.8 km

3.6mb (1 obs.)
NEAR COAST OF PERU (115)

PT10	3.59	334	e(P)	46	25.00	15.4X
			eS	47	05.00	
NNA	3.62	336	eP	46	10.00	0.0
	0.7s	14.38nm				
		eS	46	58.50		
ARE	3.89	107	iP	46	14.00	-0.1
			iS	47	07.50	
ZOBO	7.03	99	iPd	46	58.20	-0.1
			S	48	33.00	
			LR	49	44.00	
LPB	7.09	101	P	46	58.80	-0.1
	1.0s	40.00nm			5.1mb X	
		S	48	34.00		
		LR	49	38.00		
CNCB	7.25	103	P	47	01.50	0.2
SIV	13.78	95	P	48	23.20	-5.8X
YKA	83.44	343	eP	57	36.50	0.0
	0.8s	0.60nm			3.6mb	

S.D. = 0.2 on 6 of 8 obs.

YLV 0.88 132 ePg 56 35.30 0.0
 BNT 0.93 210 ePn 56 36.00 -0.1
 HRT 0.93 111 iPn 56 36.30 0.1
 MFT 1.01 249 iPn 56 37.80 0.2
 IZI 1.09 139 iPn 56 38.80 -0.2
 KGT 1.17 233 ePn 56 40.80 0.6

S.D. = 0.5 on 9 of 9 obs.

* JUN 02, 1991 10h 32m 09.59±1.36s
 23.027 S ±13.6km 66.036 W ±20.6km
 DEPTH = 197.8 ± 46.6 km
 JUJUY PROVINCE, ARGENTINA (128)

ANT 4.08 260 iPc 33 12.80 0.0
 e(S) 33 58.20
 CCH 5.62 359 P 33 33.20 0.3
 i 34 34.70
 CNCB 6.45 343 P 33 44.80 0.8
 S 34 56.00
 LPB 6.75 343 P 33 47.00 -0.7
 eS 35 00.00
 ZOBO 7.00 343 P 33 51.00 -0.2
 i 35 08.00
 SIV 8.42 35 P 34 09.00 -0.3
 PPD 13.64 89 (P) 35 22.00 5.7X
 VAO 17.56 94 eP 36 03.60 0.1

S.D. = 0.7 on 7 of 8 obs.

? JUN 02, 1991 11h 08m 11.27±4.05s
 18.811 S ±36.2km 173.167 W ±64.7km
 DEPTH = 33.0km (normal)
 5.2mb (6 obs.)
 TONGA ISLANDS (173)

DZM 19.38 257 iPc 12 42.50 5.0X
 MNG 23.82 292 eP 13 37.40 15.2X
 COO 33.70 243 iPc 14 51.70 -0.1
 RMO 35.86 251 iPd 15 10.00 -0.2
 CNB 36.94 236 iPc 15 20.00 0.8
 CAN 37.23 236 eP 15 22.00 0.4
 BWA 37.45 238 eP 15 21.20 -2.3
 CMS 38.99 243 iPc 15 35.90 -0.5
 PMG 39.52 278 eP 15 47.00 6.0X
 TOO 40.56 234 iPd 15 50.70 1.3
 0.6s 14.00nm 4.9mb
 STK 42.62 243 iPd 16 08.80 2.5
 0.7s 7.00nm 4.5mb
 WB2 49.35 260 iPc 16 58.90 -0.9
 0.3s 43.50nm 6.0mb
 ePP 17 59.60
 iPCP 19 28.20
 e 19 44.80
 i 19 54.30
 eS 22 46.90

MTN 53.75 268 eP 17 34.00 1.0
 FORR 54.10 245 iPc 17 34.20 -1.1
 0.4s 21.00nm 5.5mb
 KNA 55.33 264 eP 17 45.00 0.5
 WARB 55.68 251 eP 17 46.00 -1.0
 0.3s 7.00nm 5.2mb
 COOL 60.07 245 eP 18 16.50 -1.3
 MBL 62.58 255 iPc 18 34.70 -0.1
 KLB 62.88 244 eP 18 36.00 -0.7
 0.4s 12.00nm 5.4mb
 NWAQ 63.19 242 eP 18 38.50 -0.2
 RKG 63.21 240 eP 18 39.80 0.9
 BAL 63.90 245 eP 18 43.00 -0.4
 MUN 64.15 243 eP 18 45.70 0.6
 MRWA 64.69 246 eP 18 48.50 -0.1
 NANU 66.24 253 eP 18 59.50 0.9
 MAT 71.68 320 (P) 19 13.00 -19.0X
 CHG 94.00 288 eP 21 43.80 16.1X

S.D. = 1.1 on 22 of 27 obs.

JUN 02, 1991 12h 03m 46.61±0.67s
 18.179 N ± 7.4km 98.380 W ±10.8km
 DEPTH = 26.7 ± 10.2 km
 4.0mb (1 obs.)
 CENTRAL MEXICO (523)

IIT 0.84 5 iP 04 02.50 -0.2
 iS 04 14.50
 PPM 0.91 345 iP 04 04.00 -0.1
 iS 04 17.00
 III 1.05 281 eP 04 05.50 -0.3
 iS 04 20.00
 IISM 1.25 50 iP 04 08.25 -0.1

UNM 1.38 327 iP 04 23.50
 ACX 1.92 228 (P) 04 34.00 15.9X
 OXX 1.92 124 eP 04 18.25 0.0
 iS 04 41.00
 VHO 1.92 125 iP 04 19.00 0.7
 MRX 3.06 300 (P) 04 38.00 3.6X
 PBJ 3.33 121 iP 04 37.50 -0.6
 HFS 84.86 28 eP 16 20.00 0.0
 0.4s 0.40nm 4.0mb
 AIA 87.13 166 e(P) 16 42.00 11.1X

S.D. = 0.5 on 9 of 12 obs.

& JUN 02, 1991 14h 27m 06.01s
 63.065 N 150.735 W
 DEPTH = 111.0km
 CENTRAL ALASKA (1)
 <AEIC>.

TRF 0.44 27 iPc 27 22.65 -0.4
 eS 27 35.80
 HUR 0.51 99 ePc 27 22.85 -0.4
 eS 27 36.24
 CUT 0.70 162 iPc 27 24.52 -0.1
 RND 0.92 67 eP 27 26.23 -0.6
 S 27 41.67
 MCK 1.05 50 ePc 27 27.53 -0.6
 eS 27 43.78
 SKT 1.15 199 iPc 27 28.64 -0.6
 eS 27 46.21
 BWN 1.25 26 ePc 27 30.18 -0.1
 PWA 1.47 164 ePc 27 33.10 0.2
 S 27 53.96
 GHO 1.55 146 ePd 27 33.91 0.0
 eS 27 55.69
 SUA 1.61 180 eP 27 34.93 0.2
 PLRM 1.66 152 ePc 27 34.59 -0.5
 S 27 57.30
 SML 1.69 137 ePd 27 35.01 -0.6
 NCG 1.80 202 eP 27 36.24 -0.8
 WRH 1.84 39 ePd 27 36.17 -1.3
 PMS 1.91 163 ePd 27 38.04 -0.3
 eS 28 02.69
 CRP 1.92 201 eP 27 38.23 -0.5
 S 28 02.72
 BGL 1.97 204 eP 27 39.00 -0.2
 KNK 1.97 146 ePc 27 38.46 -0.7
 SCM 2.01 126 eP 27 39.03 -0.7
 eS 28 06.59
 CKL 2.02 203 eP 27 39.49 -0.4
 CCB 2.05 38 ePd 27 38.65 -1.5
 HDA 2.15 50 ePc 27 40.09 -1.4
 MDM 2.20 29 ePd 27 40.52 -1.6
 TOA 2.32 112 eP 27 43.37 -0.4
 PAX 2.40 90 ePd 27 44.25 -0.6
 eS 28 13.89
 GLM 2.43 36 iPd 27 43.67 -1.5
 SDG 2.45 100 eP 27 44.61 -0.8
 SLKM 2.58 174 eP 27 46.74 -0.4
 TZL 2.66 110 ePc 27 47.95 -0.3
 RDN 2.74 202 eP 27 48.43 -0.9
 KLU 2.75 123 ePc 27 47.69 -1.8
 RDW 2.77 202 eP 27 49.11 -0.8
 GLI 2.79 140 iPc 27 48.28 -1.6
 VZV 2.82 134 eP 27 48.48 -1.8
 VLZ 2.84 131 eP 27 48.29 -2.2
 SEW 3.04 168 ePc 27 52.38 -0.8
 DOT 3.06 76 ePd 27 52.17 -1.5
 KNIM 3.08 151 ePc 27 51.58 -2.2
 LTI 3.33 154 iPc 27 55.17 -2.1
 CNPM 3.56 184 ePc 27 59.53 -0.8
 GLB 3.62 114 ePc 27 59.80 -1.5
 TGL 4.40 118 ePc 28 09.55 -2.3
 BALM 4.44 114 iPc 28 10.31 -2.1

43 obs. associated

? JUN 02, 1991 14h 29m 09.09±1.05s
 78.649 N ±18.3km 18.995 W ±21.2km
 DEPTH = 33.0km (normal)
 3.5mb (4 obs.)
 EASTERN GREENLAND (636)

DAG 1.89 178 iPc 29 40.00 0.4
 0.3s 218.18nm
 SOD 16.78 107 eP 30 02.00 -4.6X
 i 33 05.20

MBC 19.41 315 eP 33 36.00 1.3
 1.0s 11.00nm 4.1mb
 NB2 20.02 134 P 33 41.40 0.0
 0.9s 2.50nm 3.5mb
 FRB 20.76 253 eP 33 44.00 -4.9X
 HFS 21.25 132 eP 33 53.70 -0.3
 0.4s 0.70nm 3.4mb
 YKA 30.78 295 eP 35 21.60 -1.5
 0.5s 0.40nm 3.5mb

S.D. = 1.4 on 5 of 7 obs.

* JUN 02, 1991 14h 51m 21.73±0.85s
 78.611 N ±14.0km 19.834 W ±11.8km
 DEPTH = 10.0km (geophysicist)
 3.9mb (3 obs.)
 EASTERN GREENLAND (636)

DAG 1.87 172 iPc 51 55.00 1.1
 0.2s 211.11nm
 iS 52 18.00
 SOD 16.93 106 eP 55 20.00 0.3
 MBC 19.32 314 eP 55 50.00 0.9
 1.0s 13.00nm 4.1mb
 FRB 20.59 252 eP 56 02.00 -0.8
 HFS 21.35 131 eP 56 09.50 -1.1
 0.5s 0.50nm 3.2mb
 YKA 30.65 295 eP 57 37.40 -0.3
 0.4s 0.90nm 4.0mb
 WB2 120.04 28 Pdfff 06 31.50 -5.5X
 0.3s 0.90nm
 i 06 41.80

S.D. = 1.1 on 6 of 7 obs.

* JUN 02, 1991 15h 02m 04.98±1.09s
 32.182 S ± 8.3km 71.065 W ±12.8km
 DEPTH = 10.0km (geophysicist)
 NEAR COAST OF CENTRAL CHILE (135)

IHA 0.97 210 eP 02 23.50 0.1
 iS 02 37.70
 SAN 1.31 165 eP 02 29.00 -0.3
 iS 02 48.00
 TACH 1.47 176 iPd 02 31.60 0.1
 iS 02 52.00
 PCH 1.51 162 iP 02 32.20 0.1
 iS 02 53.50
 i 02 57.50
 ZON 2.13 73 eP 02 41.50 0.4
 RTLL 2.37 70 iP 02 44.30 -0.2
 S 03 19.00
 RTRS 2.43 35 ePd 02 45.20 -0.1

S.D. = 0.3 on 7 of 7 obs.

? JUN 02, 1991 15h 19m 51.41±2.55s
 54.350 N ±28.2km 159.686 W ±17.6km
 DEPTH = 33.0km (normal)
 4.3mb (3 obs.)
 SOUTH OF ALASKA (17)

SDN 1.10 335 iPc 20 10.50 0.0
 PDB 6.22 27 eP 21 23.00 -0.3
 INK 18.57 31 eP 24 07.00 -0.2
 MBC 26.62 20 eP 25 29.00 0.9
 1.0s 7.00nm 4.2mb
 NB2 64.73 5 P 30 28.00 0.0
 0.5s 0.90nm 4.1mb
 HFS 65.74 4 eP 30 34.00 -0.5
 0.4s 2.30nm 4.6mb
 e 30 41.20

S.D. = 0.6 on 6 of 6 obs.

JUN 02, 1991 15h 35m 12.44±0.58s
 46.386 N ± 6.2km 1.855 E ± 4.6km
 DEPTH = 12.6 ± 3.8 km
 FRANCE (538)
 ML 2.7 (LDG). MD 2.7 (STR).

LSF 0.26 239 Pg 35 17.50 -0.7
 TCF 0.27 112 Pg 35 18.40 0.2
 MAF 0.52 108 Pg 35 22.70 -0.3
 Sg 35 29.80
 BGF 0.71 76 Pg 35 26.30 0.2
 Sg 35 36.10
 AGO 0.95 110 Pg 35 30.51 0.2
 Sg 35 43.39
 PYM 1.02 128 Pg 35 31.86 0.2
 Sg 35 44.89

RJF	1.11	192	Pg	35	31.60	-1.4	PAE	29.27	82	iP	30	48.00	-0.9	RVR	83.51	48	eP	37	03.00	1.1
			Sg	35	45.90			0.9s	60.00nm			5.1mb		WHN	83.56	308	Pd	37	03.10	1.0
AVF	1.11	68	Pg	35	33.60	0.6	PPT	29.30	82	iP	30	48.40	-0.8		1.0s	100.00nm				5.4mb
			Sg	35	47.60			0.9s	95.00nm			5.3mb		PEC	83.60	48	P	37	02.80	0.4
PLDF	1.30	108	Pg	35	37.19	0.9	PPN	29.45	82	iP	30	49.50	-0.9	SBB	83.62	47	eP	37	03.00	0.5
			Sg	35	53.61			0.9s	45.00nm			5.0mb		DL2	83.66	318	Pd	37	02.50	0.0
SSF	1.32	59	Pn	35	36.30	-0.3	TVO	29.53	82	iP	30	50.00	-1.2		1.2s	150.00nm				5.5mb
			Pg	35	37.40			0.9s	110.00nm			5.4mb		ISA	83.76	46	eP	37	04.00	0.8
			Sg	35	54.30		CMS	30.67	250	iPd	31	01.30	0.4	FR1	83.77	44	ePc	37	03.50	0.5
SMF	1.40	79	Pn	35	37.30	-0.3		0.9s	61.00nm			5.1mb		CMB	83.98	43	ePc	37	04.70	0.5
			Pg	35	38.80						33	11.10		NVL	84.22	184	ePc	37	05.00	0.2
			Sg	35	56.80						36	41.00				ePcP	37	23.00	138kmX	
MFF	1.40	280	Pg	35	38.10	0.5	CTA	31.43	272	iPd	31	07.80	0.4			e	37	40.00		
			Sg	35	55.40			0.9s	305.04nm			5.8mb				e	38	35.00		
CAF	1.47	174	Pn	35	37.10	-1.6					35	39.50				e	39	48.00		
			Pg	35	40.00		PMO	31.74	78	iP	31	09.40	-0.6			eS	46	48.00		
			Sn	35	55.20			0.9s	65.00nm			5.2mb		ORV	84.24	42	eP	37	05.80	0.4
			Sg	35	57.60		TOO	31.86	238	iPd	31	12.00	1.1	SNY	84.38	321	iPd	37	06.00	0.0
LBF	1.58	67	Pn	35	39.60	-0.7	VAH	31.88	79	iP	31	10.40	-0.8	CLC	84.43	46	eP	37	07.00	0.5
			Pg	35	41.80			0.9s	55.00nm			5.1mb		TLC	84.48	49	eP	37	07.00	0.3
			Sg	36	02.10		TPT	31.99	78	iP	31	11.50	-0.7	CN2	84.65	324	Pd	37	07.30	0.0
LOR	1.63	57	Pn	35	40.50	-0.5		0.9s	105.00nm			5.4mb			1.2s	100.00nm				5.3mb
			Pg	35	42.90		RUV	32.12	79	iP	31	12.50	-0.8			SKS	46	41.00		
			Sg	36	03.70			0.9s	75.00nm			5.2mb		GSC	84.65	47	eP	37	08.00	0.4
LFF	1.64	209	Pg	35	42.40	1.3	TAU	32.21	228	eP	31	15.00	1.3	MIN	84.67	41	eP	37	07.60	-0.1
			Sg	36	01.50						36	46.00		TIA	84.87	314	Pd	37	09.50	1.0
LPO	1.77	196	Pg	35	44.60	1.7	STK	34.30	249	iPd	31	35.30	3.8X	TNP	86.00	45	P	37	14.10	-0.1
			Sg	36	04.60			0.5s	21.10nm			4.9mb			0.5s	3.46nm				

HFS	143.51	348	ePKP	44	01.00	-3	1X	HAU	156.39	349	ePKP	44	55.30		MRWA	20.89	169	eP	54	50.00	1.5
	0.4s		47.50nm						1.2s		11.90nm	44	23.50	-0.4			eS	58	20.00		
			e	44	15.90			BSF	156.48	348	ePKP	44	24.60	0.5	WB2	24.86	119	iPc	55	25.80	-1.6
			e	44	19.20				1.1s		9.75nm						3.30nm			3.9mb	X
			ePP	46	55.20			LOR	157.46	353	ePKP	44	24.90	-0.3			iPcP	59	01.50		
CSTJ	147.08	289	PKPd	44	17.70	6.7X			1.2s		8.95nm				CHG	29.95	336	eP	56	14.50	0.9
MDSJ	147.42	290	PKPd	44	18.60	7.0X				1.0s		8.00nm			GYA	35.22	353	P	57	01.60	2.2
KAS	147.50	309	iPKPd	44	15.30	3.9X		SSF	157.70	354	ePKP	44	25.10	-0.3	STK	36.31	134	eP	57	09.90	1.5
HRI	147.73	293	iPKPd	44	16.70	4.6X				1.2s		8.95nm				0.5s		9.60nm			5.0mb
BHL	147.74	295	PKP	44	15.00	3.0X		LBF	157.73	353	ePKP	44	25.30	-0.2	KOD	38.65	298	eP	57	28.50	-0.1
MUD	147.77	350	iPKPc	44	14.80	3.6X				1.2s		8.95nm			SHL	38.98	331	iP	57	30.00	-1.0
	1.3s		26.00nm					TCF	158.58	356	ePKP	44	26.30	-0.2	WHN	39.09	4	eP	57	32.50	0.9
BSD	147.86	344	iPKPd	44	14.40	3.0X				1.2s		8.95nm			RMQ	39.57	121	iPc	57	37.00	1.2
	0.8s		38.00nm					LSF	158.66	357	ePKP	44	26.10	-0.4	CD2	40.03	350	P	57	41.00	1.5
MASJ	147.87	290	PKPd	44	19.50	7.2X				1.2s		7.45nm				0.6s		16.00nm			5.1mb
COP	147.91	347	iPKPd	44	15.10	3.7X		RJF	159.61	357	ePKP	44	27.40	-0.2	GBA	40.34	303	Pc	57	40.80	-1.3
	0.8s		32.84nm						1.2s		17.85nm					0.7s		8.80nm			4.7mb
MKRJ	147.94	290	PKPd	44	19.59	7.2X		CAF	159.95	356	ePKP	44	28.60	0.6	SSE	40.63	13	Pc	57	46.50	2.2
JVI	148.17	291	iPKPd	44	17.70	5.0X				1.1s		9.75nm				0.9s		22.00nm			5.0mb
PRNI	148.54	288	iPKPd	44	18.70	5.4X		LPO	160.24	357	ePKP	44	28.60	0.4	NJ2	41.11	10	Pc	57	50.80	2.6
CSS	149.49	297	ePKP	44	19.50	4.9X				1.2s		11.90nm				0.8s		100.00nm			5.7mb
EKA	149.52	3	PKPc	44	18.80	4.9X		LIC	160.83	165	PKP	44	30.30	0.6	HYB	41.55	309	eP	57	50.50	-1.6
	1.0s		23.20nm					KIC	161.03	166	PKP	44	30.50	0.6	XAN	42.54	357	P	58	00.60	0.6
PPCY	150.30	297	ePKP	44	20.50	4.8X		TIC	161.24	165	PKP	44	30.80	0.7	LSA	42.84	334	Pd	58	03.20	0.2
EYL	150.34	309	iPKP	44	21.90	6.1X		EPF	161.92	359	ePKP	44	30.40	0.4	PKI	43.95	326	P	58	10.32	-1.6
KRA	150.48	333	ePKP	44	16.00	0.5															

02d 17h

	0.5s	2.70nm	5.0mb
NUR	95.88 330 eP	03 28.00	0.7
	0.6s	4.00nm	5.1mb
SOD	95.93 337 eP	03 34.00	4.8X
KEV	96.13 340 eP	03 46.00	16.0X
		08 19.00	
NB2	102.47 331 Pd	03 58.60	-0.2
	0.9s	1.50nm	4.7mb
YKA	116.84 22 ePKP	08 46.60	-0.3
	0.6s	1.00nm	
LKO	117.86 276 PKP	08 49.60	-0.7
	0.5s	6.50nm	
TUL	143.26 38 ePKP	09 34.90	-2.5X
	0.8s	77.40nm	
SIV	154.39 197 PKP	09 56.40	1.1
ZOBO	155.22 181 PKP	09 59.00	2.0X
	S.D. = 1.1	on 64 of 75 obs.	

JUN 02, 1991 17h 35m 41.84±0.86s
 40.259 N ± 5.6km 143.848 E ± 7.3km
 DEPTH = 23.0 ± 4.5 km
 4.8mb (34 obs.) 4.1MsZ (4 obs.)
 OFF EAST COAST OF HONSHU, JAPAN (229)

OFUJ	2.05 236 iP+	36 16.10	0.6
	S	36 41.80	
HOOF	2.16 349 eP	36 17.00	-0.1
	S	36 44.00	
AOMJ	2.67 278 iP+	36 26.20	1.9
KUSJ	2.91 13 P	36 25.40	-2.2
	S	36 59.00	
MRRJ	3.01 317 eP	36 29.70	0.7
YAMJ	3.62 236 iP+	36 38.10	0.3
ASAJ	3.96 347 P	36 42.40	-0.1
	eS	37 28.00	
NIJ	4.84 233 P	36 55.10	0.0
KAKJ	4.97 217 P	36 53.50	-3.5X
	S	37 47.70	
CHJJ	5.68 224 P	37 05.40	-1.6
	S	38 09.20	
MAT	5.78 232 iPc	37 08.50	0.1
	1.1s	78.48nm	5.3mb
	eS	38 19.00	
MTMJ	6.00 234 iP+	37 11.70	0.2
IIOJ	6.69 226 P	37 21.00	-0.3
TSRJ	7.80 235 P	37 36.50	-0.3
MDJ	11.40 297 eP	38 27.00	0.7
	1.0s	49.00nm	5.7mb
Z	15s	1.30um	
N	12s	0.52um	
E	12s	0.65um	
	pP	38 38.00	
CN2	14.12 291 eP	39 03.00	0.4
	1.0s	10.00nm	4.5mb
Z	12s	1.60um	4.0MsZ
N	12s	0.40um	
E	12s	0.40um	
	eP	39 10.00	
SNY	15.38 282 eP	39 19.00	0.1
	1.2s	100.00nm	5.0mb
Z	13s	0.70um	
N	12s	0.50um	
E	12s	0.40um	
	pP	39 26.20	
DL2	17.18 273 eP	39 41.50	-0.4
	1.0s	80.00nm	4.8mb
SSE	20.51 251 Pd	40 21.00	0.1
	1.1s	17.00nm	4.3mb
Z	20s	0.50um	3.9MsZ
	pP	40 30.40	36kmX
	PP	40 46.00	
BJI	21.13 278 eP	40 25.00	-2.2
	Z	16s	0.29um
	N	12s	0.32um
	eS	44 28.00	
TIA	21.34 268 eP	40 26.60	-2.9X
NJ2	21.73 256 Pc	40 31.00	-2.3
	Z	12s	0.40um
	N	11s	0.30um
E	13s	0.30um	
	pP	40 41.00	38kmX
YAK	23.42 343 iPc	40 47.60	-2.1
	e	44 57.00	
HHC	24.47 282 eP	41 00.60	0.4
	1.3s	27.00nm	4.7mb
Z	12s	0.60um	4.3MsZ

TIY	E 13s	0.40um	
	Z 24.49 274 eP	41 03.50	3.1X
	N 18s	0.97um	4.3MsZ
	N 17s	0.56um	
BTO	25.67 282 eP	41 12.50	0.9
	N 16s	0.40um	
	E 16s	0.30um	
	pP	41 21.00	30kmX
	eS	45 46.00	
WHN	25.82 257 Pc	41 14.00	1.0
	1.0s	30.00nm	4.9mb
	N 16s	0.80um	
	E 16s	0.70um	
	pP	41 24.00	37kmX
XAN	28.40 269 P	41 36.20	-0.4
IRK	29.48 307 eP	41 47.00	0.9
	e	42 04.20	
	e	42 14.20	
LZH	31.54 275 P	42 05.00	0.4
	1.5s	48.00nm	5.2mb
	Z 13s	0.47um	4.3MsZ
	E 12s	0.26um	
	pP	42 14.50	33kmX
GTA	33.57 283 iPc	42 23.00	0.8
	1.2s	40.00nm	5.2mb
	Z 18s	0.40um	4.2MsZ
	E 15s	0.40um	
	pP	42 32.20	31kmX
	eS	47 42.00	
CD2	33.67 267 P	42 22.40	-0.7
GYA	33.71 257 P	42 24.00	0.4
	N 18s	0.60um	
	E 18s	0.50um	
KMI	37.39 259 Pc	42 55.00	0.0
	1.5s	40.00nm	5.0mb
WMO	41.18 294 P	43 26.50	0.4
	0.8s	6.00nm	4.4mb
Z	15s	0.30um	4.3MsZ
	sP	43 37.00	
SVW	41.79 39 eP	43 41.10	10.2X
BRW	42.70 24 eP	43 42.70	4.6X
IMA	42.95 32 eP	43 40.80	0.4
	0.9s	4.20nm	4.2mb
CHG	43.96 254 eP	43 50.40	1.4
GUN	48.78 274 P	44 27.64	0.2
	0.5s	40.00nm	5.7mb
KKN	49.30 274 P	44 31.38	0.1
	0.5s	26.00nm	5.5mb
PKI	49.31 274 P	44 31.26	-0.2
	1.2s	60.00nm	5.5mb
GKN	49.68 275 P	44 34.10	0.0
	0.6s	21.00nm	5.4mb
INK	50.65 28 eP	44 34.00	-6.7X
MBC	52.89 17 eP	45 08.00	10.4X
	1.0s	8.00nm	
YKA	60.07 32 eP	45 56.40	7.4X
	0.6s	1.40nm	4.3mb
CTA	60.07 177 iPd	45 40.50	-8.9X
	0.7s	68.49nm	5.9mb
WB2	60.54 190 P	45 49.90	-2.7
	0.7s	2.40nm	4.4mb
KEV	61.11 339 eP	45 55.00	-1.0
SOD	62.74 337 iP	46 05.70	-1.2
KAF	66.31 333 eP	46 29.00	-1.2
	1.0s	7.10nm	4.8mb
	eS	46 34.60	
OBN	66.65 323 eP	46 32.00	-0.4
	e	46 58.00	
	e	47 42.00	
NUR	68.00 332 iP	46 49.20	8.4X
	0.3s	3.70nm	5.0mb
LRM	70.53 46 eP	46 58.80	1.8
HFS	71.92 336 eP	47 03.00	-1.8
	0.5s	0.90nm	4.1mb
Z	17s	0.09um	4.1MsZ
	e	47 08.00	
	e	47 14.20	
	e	47 18.50	
	e	47 23.40	
	e	47 25.70	
	LR	18 20.00	
NB2	71.94 338 P	47 04.00	-0.9
	0.9s	4.90nm	4.5mb
FRB	73.19 14 eP	47 11.00	-1.2
SPC	78.00 326 eP	47 40.30	0.4
KSP	78.34 329 eP	47 40.00	-1.5
CLL	79.22 331 eP	47 46.00	-0.3

PRU	79.70 329 eP	47 49.70	0.7
	e	48 03.80	
SRO	79.88 326 eP	47 50.70	0.8
ZST	80.09 327 eP	48 01.80	10.7X
KHC	80.77 329 P	47 55.50	0.8
ALQ	81.08 52 e(P)	47 59.00	2.2
	1.0s	1.75nm	4.0mb
GRF	81.20 331 eP	47 58.40	1.5
KBA	82.52 328 iPd	48 05.00	0.9
	0.9s	6.90nm	4.7mb
	i	48 16.10	
SKO	82.93 321 eP	48 07.10	1.0
	e	48 17.50	
LOR	85.86 334 eP	48 20.60	-0.2
	1.0s	6.00nm	4.8mb
Z	19s	0.08um	4.1MsZ
LBF	86.07 334 eP	48 21.70	-0.1
	0.8s	4.05nm	4.7mb
LPL	86.36 331 eP	48 23.80	0.3
	0.9s	4.90nm	4.7mb
LPG	86.37 331 eP	48 24.00	0.3
	0.9s	4.90nm	4.7mb
SMF	86.41 334 eP	48 23.60	0.1
	1.0s	8.00nm	4.9mb
AVF	86.45 334 eP	48 23.80	0.2
	1.0s	14.00nm	5.1mb
MAF	87.21 334 eP	48 28.10	0.7
	1.0s	10.00nm	5.0mb
LSF	87.52 335 eP	48 29.20	0.3
	1.0s	8.00nm	5.0mb
CAF	88.52 334 eP	48 34.70	1.0
	0.9s	4.90nm	4.8mb
SIV	147.54 49 PKP	55 25.00	1.7
	S.D. = 1.1	on 67 of 78 obs.	

? JUN 02, 1991 17h 39m 58.63±3.13s
 24.828 S ± 19.7km 179.746 W ± 21.7km
 DEPTH = 535.0 ± 32.0 km
 4.7mb (4 obs.)

SOUTH OF FIJI ISLANDS (171)

OZM	12.97 279 iPc	42 47.60	-0.2
MNG	16.25 193 eP	43 20.00	-0.3
LTZ	19.08 198 eP	43 48.00	0.3
BRS	24.79 258 iP	44 40.00	0.1
RMQ	28.41 260 eP	45 13.00	1.4
STK	34.61 249 iPd	46 08.20	4.0X
	0.3s	2.70nm	4.3mb
WB2	42.57 267 iPc	47 08.50	-0.4
	0.5s	19.40nm	4.9mb
	iScP	51 55.80	
	eS	52 52.40	
FORR	46.17 250 iPc	47 36.30	-0.5
	0.3s	16.00nm	5.0mb
WARB	48.12 256 eP	47 51.20	-0.5
	0.3s	4.00nm	4.5mb
UPP	142.95 346 iPKP	58 31.60	-0.5
NB2	143.03 351 PKP	58 32.40	0.1
	1.0s	4.00nm	
HFS	143.50 349 ePKP	58 33.50	0.5
	0.4s	7.40nm	
	e	58 54.00	
	S.D. = 0.7	on 11 of 12 obs.	

% JUN 02, 1991 17h 57m 36.29±2.06s
 38.528 N ± 11.6km 15.433 E ± 16.0km
 DEPTH = 106.0 ± 27.9 km

SICILY (398)

ATN	0.37 176 Pd	57 52.00	-0.1
	eSg	58 01.90	
SOI	0.67 133 Pd	57 53.90	-0.3
	eSg	58 05.40	
MNO	0.83 224 P	57 58.20	2.2X
CZI	0.88 38 P	57 55.50	-0.7
GIB	1.23 245 P	57 59.50	-0.6
	eSn	58 17.50	
TDS	1.33 32 Pd	58 01.10	-0.1
	eSg	58 17.40	
ROI	1.37 40 P	58 01.90	0.2
CSI	1.41 28 P	58 03.20	1.0
MMN	1.43 18 P	58 03.40	1.1
	eS	58 15.50	
MEU	1.48 196 P	58 03.90	0.8
	eSg	58 23.50	
BRT	2.72 30 P	58 17.80	-1.3
	eSn	58 46.40	

S.D. = 1.0 on 10 of 11 obs.
 * JUN 02, 1991 18h 28m 25.61±0.98s
 6.405 S ± 8.6km 129.932 E ±22.5km
 DEPTH = 222.7 ± 9.9 km
 4.5mb (1 obs.)
 BANDA SEA (280)

AAI	3.21	327	eP	29	19.40	0.1
MTN	6.51	170	eP	30	01.00	0.6
KNA	9.36	187	iPd	30	36.10	-1.2
	0.3s	59.00nm				5.4mb X
		eS	32	15.00		
WB2	14.13	163	iPd	31	37.60	0.1
	0.4s	8.40nm				4.5mb
		i	31	42.50		
MBL	17.63	213	eP	32	18.40	-0.1
WARB	19.92	189	eP	32	46.50	4.4X
NANU	21.24	219	eP	32	56.00	0.9
GUN	54.51	311	P	37	33.20	-0.1
PKI	54.69	310	P	37	34.10	-0.5
KKN	54.90	310	P	37	35.80	-0.2
DMN	54.94	310	P	37	36.80	0.5
GKN	55.50	310	P	37	40.00	-0.2

S.D. = 0.7 on 11 of 12 obs.

% JUN 02, 1991 19h 22m 36.12±0.99s
 43.038 N ± 6.5km 13.006 E ±10.7km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

ASS	0.25	277	P	22	41.50	0.0
		eSg	22	46.40		
ARV	0.46	354	P	22	45.00	-0.5
		eSg	22	53.00		
MNS	0.70	200	P	22	49.40	-0.5
		eSg	23	00.80		
SFI	1.22	317	P	22	59.40	0.6
		eSn	23	15.50		
SDI	1.46	155	P	23	03.00	0.4

S.D. = 0.8 on 5 of 5 obs.

JUN 02, 1991 19h 22m 58.58±0.48s
 6.367 S ± 3.7km 129.958 E ± 6.8km
 DEPTH = 138.2 ± 4.5 km
 5.1mb (25 obs.)
 BANDA SEA (280)

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 23C
 Centroid Location:
 Origin Time 19:23: 0.9 0.8
 Lat 6.47S 0.05 Lon 129.81E 0.10
 Dep 150.9 2.1 Half-duration 1.6
 Moment Tensor: Scale 10**16 Nm
 Mrr= 5.82 0.65 Mtt=-8.23 0.78
 Mff= 2.41 1.04 Mrt=-3.41 0.49
 Mrf= 3.32 0.66 Mtf=-2.22 0.65
 Principal Axes:
 T Val= 8.82 Plg=57 Azm=245
 N 0.38 31 89
 P -9.20 11 352
 Best Double Couple: Mo=9.0*10**16
 NP1: Strike= 50 Dip=44 Slip= 41
 NP2: 287 63 125

AAI	3.19	327	ePd	23	51.00	2.4
		eS	24	03.00		
MTN	6.54	170	eP	24	31.50	-2.2
MNI	9.29	326	eP	25	12.50	1.9
KNA	9.40	187	eP	25	09.30	-2.7
	0.2s	230.00nm				6.5mb X
		eS	26	46.00		
DAV	14.06	342	eP	26	14.00	1.1
WB2	14.16	163	iPd	26	09.90	-4.2X
	0.3s	134.80nm				5.7mb
TSM	15.86	311	eP	26	41.50	6.0X
TRT	17.24	265	ePd	26	51.90	-0.6
	1.2s	190.30nm				5.3mb
PMG	17.30	101	eP	26	49.00	-4.2X
MBL	17.67	213	eP	26	57.00	-0.7
	0.3s	44.00nm				5.2mb
		eS	30	02.00		
KKM	18.44	312	eP	27	07.50	1.1
WARB	19.96	189	eP	27	22.50	0.4
	0.3s	42.00nm				5.3mb
		eS	30	58.00		

CTA	20.89	132	iPc	27	31.60	0.1
	1.0s	48.00nm				4.9mb
		iS	31	17.00		
NANU	21.28	219	eP	27	36.00	0.6
		eS	31	33.00		
PGP	21.67	336	ePc	27	42.00	2.8X
	1.0s	55.00nm				4.9mb
MEKA	22.89	207	iPd	27	52.70	1.6
		eS	32	03.00		
QLP	24.28	148	eP	28	04.60	0.2
		i	28	10.00		
		eS	32	17.00		
FORR	24.42	184	eP	28	05.00	-0.7
		e	28	25.00		
BAG	24.46	338	eP	28	06.00	-0.4
COOL	25.75	198	eP	28	18.10	0.0
	0.4s	13.00nm				4.9mb
MRWA	26.28	208	iPd	28	23.40	0.5
		e	28	55.40		
		eS	33	19.00		
RMO	26.86	140	eP	28	28.00	-0.2
		i	29	02.60		
		eS	33	10.00		
BAL	27.14	206	eP	28	30.50	-0.2
	0.4s	24.00nm				5.2mb
		eS	33	40.00		
KLB	27.57	203	eP	28	34.80	0.2
	0.4s	28.00nm				5.3mb
		eS	33	51.00		
STK	27.61	158	eP	28	38.00	3.0X
	1.3s	5.20nm				4.0mb X
		i	28	44.30		
		i	29	12.40		
		iS	34	10.20		
MUN	28.53	205	eP	28	42.50	-0.8
		eS	34	10.00		
NWAO	28.96	202	eP	28	47.00	-0.1
		eS	34	21.00		
CMS	29.07	151	iPc	28	48.70	0.6
		i	29	20.00		
		e	34	14.00		
ADE	29.58	165	iPc	28	53.00	0.4
	1.0s	130.00nm				5.6mb
BRS	30.12	137	iPc	28	56.60	-0.8
		e(S)	33	35.00		
		i	38	22.60		
RKG	30.51	201	eP	29	02.00	1.3
COO	31.69	142	e(P)	29	15.50	4.3X
		e	36	26.00		
OIZ	32.09	322	eP	29	13.90	-0.8
		S	34	13.00		
PSI	32.27	285	ePc	29	23.50	7.2X
BWA	32.72	151	eP	29	21.70	1.6
		e	29	26.00		
		i	30	33.40		
CAN	33.72	151	eP	29	29.20	0.5
		i	29	34.00		
		i	30	40.00		
CNB	33.90	151	eP	29	31.00	0.8
		e	38	23.00		
TOO	34.13	158	eP	29	34.00	1.8
KHT	37.53	304	eP	30	01.50	0.4
BDT	38.55	308	eP	30	18.00	8.5X
	0.5s	44.80nm				5.5mb
TAU	39.49	160	eP	30	16.00	-1.0
CHG	39.51	310	ePc	30	12.70	-4.8X
	1.1s	26.27nm				4.9mb
WHN	39.63	339	eP	30	19.00	0.7
		ScP	36	07.00		
GYA	39.69	326	P	30	19.40	0.4
		PcP	32	25.20		
		S	36	10.00		
		SS	39	14.00		
KMI	41.00	321	Pd	30	31.00	1.1
	1.5s	50.00nm				5.0mb
MAT	43.38	10 (P)		30	47.00	-1.9
	0.9s	5.88nm				4.3mb
CD2	44.75	327	eP	30	59.00	-1.0
XAN	44.85	335	Pd	30	59.90	-0.8
TIY	46.80	341	eP	31	15.70	-0.4
Z	20s	0.38um				4.4MsZ
		S	37	54.00		
BJI	47.89	346	eP	31	24.00	-0.5
SNY	48.31	354	eP	31	27.40	-0.3
SHL	48.74	312	iP	31	30.00	-1.5
		eS	38	20.00		
LZH	48.83	332	Pd	31	32.00	0.0

	1.5s	31.00nm				4.9mb
Z	32s	0.36um				4.2MsZ
		PP	33	24.00		
		S	38	21.00		
HHC	49.93	342	eP	31	40.00	-0.3
CN2	50.10	356	eP	31	40.40	-0.9
LSA	51.72	316	Pd	31	54.40	0.0
		S	39	02.00		
GTA	53.40	331	eP	32	06.00	-0.3
	1.4s	20.00nm				4.8mb
GUN	54.51	311	Pd	32	13.96	-0.9
	0.7s	99.00nm				5.8mb
PKI	54.69	310	Pd	32	14.82	-1.3
	0.6s	36.00nm				5.4mb
KKN	54.90	310	Pd	32	16.48	-1.0
	0.7s	55.00nm				5.6mb
GKN	55.49	310	Pd	32	20.74	-1.0
	0.7s	91.00nm				5.8mb
GBA	55.79	291	Pd	32	22.20	-1.6
	0.7s	9.80nm				4.9mb
HYB	56.00	296	iPc	32	24.20	-1.2
	1.0s	45.00nm				5.4mb
WMO	62.84	327	iPd	33	12.00	0.1
	0.8s	22.00nm				5.1mb
		sP	33	45.50		
YAK	68.18	360	iPc	33	44.50	-1.0
MAIO	78.25	309	eP	34	46.00	1.1
	1.0s	10.00nm				4.5mb
SPA	83.68	180	iPc	35	14.10	1.3
	1.0s	22.00nm				5.0mb
IR4	84.77	306	ePc	35	20.50	1.6
IR1	84.97	306	ePc	35	21.50	1.6
IR5	85.02	306	eP	35	19.00	-1.2
IR7	85.09	307	eP	35	21.00	0.5
TAB	88.89	308	eP	35	40.00	1.1
YKA	107.20	26	ePKP	41	10.00	0.5
	0.5s	0.50nm				
HFS	108.39	332	ePKP	41	11.40	-0.4
	0.5s	0.40nm				
BSF	116.60	321	ePKP	41	26.80	-1.2
LPG	117.46	318	ePKP	41	29.10	-0.9
LPL	117.47	318	ePKP	41	29.20	-0.7
	0.4s	2.00nm				
LOR	118.65	321	ePKP	41	31.20	-0.6
LBF	118.69	321	ePKP			

02d 20h

AUE	1.09	350	eP	10 20.85	-1.3
AUH	1.10	348	eP	10 07.38	-1.0
MCNL	1.13	323	eP	10 07.01	-1.9
CNPM	1.54	36	eP	10 12.02	-3.3
HOM	1.54	27	eP	10 12.97	-2.3
PDB	1.62	338	iP	10 13.69	-2.7
RED	2.14	3	eP	10 21.09	-2.9
RSO	2.18	3	eP	10 21.58	-3.2
RS2	2.18	3	eP	10 21.98	-2.8
RDW	2.20	3	eP	10 21.92	-3.1
REF	2.21	4	eP	10 21.93	-3.2
RDN	2.23	3	eP	10 22.41	-3.0
NCT	2.28	1	eP	10 22.47	-3.6
RDT	2.31	7	eP	10 22.76	-3.8
DFR	2.31	4	eP	10 23.27	-3.3
CKL	2.93	6	eP	10 31.48	-3.9
BGL	3.00	6	eP	10 32.59	-3.7
CRP	3.01	8	eP	10 33.01	-3.6
SUA	3.38	19	eP	10 36.72	-5.0
KNIM	3.40	50	eP	10 36.46	-5.5
PMS	3.44	29	eP	10 37.64	-4.8
SKT	3.77	11	eP	10 42.42	-4.8
KNK	3.88	34	eP	10 42.91	-5.9
VZW	4.29	47	eP	10 49.20	-5.4
KLU	4.80	45	eP	10 55.99	-5.9

29 obs. associated

& JUN 02, 1991 20h 24m 29.42s
60.933 N 150.779 W
DEPTH = 14.1 km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.5 (AEIC).

NKA	0.29	230	iPc	24 37.65	1.8
SLKM	0.51	147	ePd	24 39.43	-0.2
SUA	0.53	2	ePd	24 39.94	-0.2
PMS	0.67	62	iPd	24 41.90	-0.5
CRP	0.75	297	iPd	24 43.12	-0.7
CKL	0.80	290	iPd	24 43.70	-1.0
NCG	0.82	306	iPd	24 44.06	-0.9
PWA	0.84	31	ePd	24 45.15	-0.1
BGL	0.85	294	iPd	24 44.56	-0.9
RDT	0.88	246	iPd	24 45.00	-0.9
DFR	1.00	251	iPd	24 46.83	-1.2
PLRM	1.04	50	eP	24 47.13	-1.4
REF	1.05	246	iPd	24 47.87	-1.0
SEW	1.06	141	eP	24 48.56	-0.4
RDN	1.06	248	iPd	24 47.75	-1.4
RSO	1.08	245	iPd	24 48.44	-1.1
RS2	1.08	245	iPd	24 48.47	-1.1
RDW	1.10	247	iPd	24 48.52	-1.2
RED	1.11	243	iPd	24 48.72	-1.2
SKT	1.11	341	ePc	24 49.27	-0.6
NCT	1.12	252	iPd	24 48.83	-1.3
KNK	1.22	66	ePc	24 51.30	-0.5
GHO	1.23	46	eP	24 50.76	-1.2
CNPM	1.43	189	eP	24 54.48	-0.4
SML	1.47	52	eP	24 55.12	-0.3
CUT	1.50	9	eP	24 55.09	-0.7
KNIM	1.61	110	ePc	24 57.10	-0.4

LTJ	1.70	120	eP	24 58.82	0.0
GLI	1.80	90	ePc	25 00.03	-0.2
SVW	2.36	276	eP	25 06.51	-1.9
KLU	2.42	74	eP	25 08.82	-0.3
CDD	2.47	217	eP	25 09.11	-0.8

32 obs. associated

? JUN 02, 1991 20h 42m 06.65 ± 1.24s
37.368 N ± 15.1 km 21.942 E ± 12.1 km
DEPTH = 70.8 ± 17.4 km
3.4 mb (1 obs.)
SOUTHERN GREECE (368)

VLI	1.03	129	iPg	42 25.70	-0.1
VLS	1.34	307	ePg	42 30.00	0.1
ATH	1.53	66	ePb	42 32.60	0.2
VAY	3.98	7	eP	43 06.50	-0.2
SKO	4.61	355	ePn	43 12.50	-2.9X
HFS	23.39	350	eP	47 09.50	0.0

0.3s 0.50nm 3.4mb
S.D. = 0.2 on 5 of 6 obs.

JUN 02, 1991 21h 57m 58.56 ± 0.39s
35.478 N ± 5.5 km 138.632 E ± 3.1 km
DEPTH = 174.1 ± 2.8 km
4.8 mb (53 obs.)
HONSHU, JAPAN (227)

IIDJ	0.59	270	iP+	58 24.10	0.9
CHJJ	0.64	27	iP+	58 23.50	-0.1
MAT	1.12	342	iPd	58 26.50	-0.4
MTMJ	1.29	329	iPd	58 28.60	0.3
KAKJ	1.45	59	iP+	58 28.20	-1.4
NIJJ	1.78	10	iPd	58 32.40	-0.6
SHK	4.98	261	iPc	59 14.10	1.5
MDJ	11.45	326	Pc	00 37.50	-0.2
CN2	13.11	313	eP	00 58.00	-1.1
SNY	13.36	303	Pd	01 02.00	-0.1
DL2	13.98	289	eP	01 10.50	0.5
TIA	17.45	279	eP	01 52.30	-0.3
BJI	18.32	291	eP	02 03.50	1.7
WHN	20.93	263	eP	02 31.20	2.7
TIY	21.13	284	eP	02 35.80	5.3X
HMC	21.91	292	eP	02 36.80	-1.3
BTO	23.06	291	eP	02 50.50	1.2
XAN	24.41	275	P	03 02.50	0.3
YAK	27.15	351	eP	03 22.50	-4.3X
GYA	28.75	261	P	03 41.80	0.1
WMO	39.56	298	Pc	05 14.90	1.1
ANM	44.09	31	eP	05 51.80	1.5
GUN	45.07	276	P	05 58.92	-0.1
SDN	45.48	44	eP	06 00.30	-1.1
PKI	45.59	276	P	06 02.60	-0.5
KKN	45.61	276	P	06 02.66	-0.2
DMN	45.82	276	P	06 03.84	-1.0
GKN	46.04	276	P	06 06.22	-0.2
SVW	48.09	37	ePc	06 23.20	1.4
BRW	48.72	23	eP	06 27.40	1.0
IMA	49.16	30	ePc	06 30.60	0.5

RSO	49.51	37	P	06 32.40	-0.5
KDC	49.80	41	ePc	06 34.70	-0.1
PMR	51.21	36	eP	06 45.00	-0.5
FBA	51.61	31	ePd	06 49.20	0.7
TOA	52.56	35	eP	06 56.40	0.8
BALM	54.52	36	P	07 08.80	-1.3
WB2	55.27	185	iPc	07 14.10	-1.5
INK	56.79	26	ePc	07 25.00	-1.0
MBL	59.08	201	eP	07 41.00	-1.4
WARB	62.37	192	eP	08 04.00	-0.5
KEV	64.09	339	eP	08 12.00	-3.3X
SOD	65.52	337	iP	08 23.70	-0.8
YKA	66.27	29	eP	08 27.80	-1.5
FORR	66.72	190	eP	08 31.70	-0.7
KAF	68.64	332	iP	08 43.30	-0.8
NUR	70.25	331	iP	08 53.20	-0.7
PNT	70.85	43	ePc	08 58.00	0.2
FHC	72.75	52	ePc	09 10.50	1.3
NEW	72.80	43	P	09 07.80	-1.6
UPP	73.34	333	iP	09 11.20	-0.9
HFS	74.56	335	eP	09 18.20	-1.0
SES	74.78	38	ePc	09 19.70	-1.0
ORV	75.03	52	ePc	09 22.30	0.0
BRK	75.46	54	iPc	09 25.20	0.5
BKS	75.48	54	eP	09 25.30	0.5
PCC	75.59	54	ePc	09 25.50	0.1
MHC	76.17	54	ePc	09 29.30	0.4
FFC	76.21	31	iPc	09 28.40	-0.2
CMB	76.60	53	ePc	09 31.60	0.4
SAO	76.62	54	eP	09 31.30	0.1
LRM	76.82	43	ePc	09 33.00	0.5
PRS	76.91	55	ePc	09 33.40	0.5
PRI	77.49	55	ePc	09 37.00	0.8
FRI	77.64	53	ePc	09 36.80	0.0
BSD	77.73	331	iPc	09 36.20	-0.7
TNP	78.61	51	P	09 42.90	0.5
FRB	78.78	12	ePc	09 42.60	0.1
SYP	78.88	56	eP	09 45.00	1.2
KRA	79.10	325	eP	09 44.60	0.1
ISA	79.22	54	eP	09 45.00	-0.5
CLC	79.71	53	eP	09 48.00	-0.1
DUG	80.07	47	P	09 50.40	0.3
KSP	80.21	327	iPc	09 51.00	0.6
SBB	80.22	54	eP	09 52.00	1.1
MWC	80.34	55	eP	09 52.00	0.3
GSC	80.53	53	eP	09 53.00	0.5
RVR	80.93	55	eP	09 54.00	-0.5
PEC	81.14	55	P	09 55.00	-0.7
BRG	81.21	328	iP	09 56.00	0.4
CLL	81.29	329	iP	09 56.40	0.4
PRU	81.60	327	eP	09 58.50	0.8
PLM	81.66	55	eP	09 58.00	-0.6
ZST	81.73	325	eP	10 02.00	3.6X
TPC	81.75	54	eP	09 59.00	0.2
BAR	82.19	55	eP	10 02.00	0.9
MOX	82.37	329	eP	10 02.00	0.3
KHC	82.66	327	eP	10 03.50	0.2
GLA	83.20	54	eP	10 07.00	0.7
WTS	83.25	332	eP	10 06.50	0.4
GRF	83.26	329	iPc	10 07.30	1.0
PV09	83.35	47	P	10 08.00	0.7
VAY	83.69	317	eP	10 09.00	0.5
EKA	83.82	339	P	10 09.00	0.1

	0.6s	3.70nm	4.3mb	ARE	147.15	63 iPKPc	17 24.00	3.4X		pP	26 44.00	32km		
SKO	83.87	318 eP	10 10.40	0.9	0.5s	23.24nm			YKA	72.89	8 eP	27 24.50	-0.3	
KBA	84.29	326 iPc	10 11.70	0.0	ZOBO	149.41	58 PKP	17 25.90	1.4	0.5s	2.40nm	4.4mb		
	0.7s	11.60nm	4.8mb			0.9s	23.57nm			WB2	79.92	131 P	28 06.10	1.4
		i	10 18.30				i	17 29.80		0.5s	1.30nm	4.1mb		
VBY	84.55	324 ePc	10 13.00	0.2	LPB	149.61	59 PKPc	17 30.90	6.3X	FFC	81.44	2 iPc	28 13.20	0.9
ENN	84.56	332 eP	10 13.00	0.3	SIV	153.79	47 PKP	17 30.40	0.2	0.5s	9.00nm	5.0mb		
	1.0s	19.00nm	4.8mb				i	17 38.20		S.D. = 0.7 on 19 of 25 obs.				
MEM	84.65	332 P	10 13.60	0.4				17 51.70		& JUN 03, 1991	00h 40m 45.60s			
GLD	84.80	44 P	10 15.70	1.3	S.D. = 0.9 on 152 of 158 obs.					37.127 N	121.993 W			
	1.0s	22.00nm	4.9mb		* JUN 02, 1991 22h 13m 43.17± 1.08s					DEPTH = 12.0km				
SNF	85.39	333 Pc	10 17.00	0.1	3.477 S ±10.2km 134.880 E ±17.1km					CENTRAL CALIFORNIA (39)				
DOU	85.61	332 P	10 18.40	0.4	DEPTH = 33.0km (normal)					<BRK>. ML 3.1 (BRK).				
CTI	85.83	326 P	10 18.80	-0.5	4.4mb (2 obs.)					Mo=1.4+10+13 Nm (BRK).				
CDF	85.90	330 eP	10 19.60	0.0	WEST IRIAN REGION (196)				GCC	0.10	182 iPd	40 48.56	0.0	
	0.8s	13.45nm	4.8mb		AAI	6.68	268 eP	15 21.00	-0.5		iS	40 52.41		
DMU	86.13	340 eP	10 20.90	0.4		eS	16 33.50		MHC	0.35	53 iPd	40 53.40	0.4	
BSF	86.55	330 eP	10 22.40	-0.4	MTN	10.02	202 eP	16 09.00	1.0		iS	40 58.65		
MAU	86.60	330 eP	10 22.60	-0.3		0.3s	154.00nm	6.7mb X	ARN	0.43	59 iPc	40 54.40	-0.1	
DCN	86.72	340 eP	10 23.70	0.3	KNA	13.60	206 eP	16 55.00	-1.2	PCC	0.48	320 iPc	40 54.70	-0.8
ANMO	87.30	48 P	10 27.30	0.5	WB2	16.37	182 iPc	17 29.40	-2.9X		eS	41 01.92		
	0.9s	4.83nm	4.4mb			0.8s	14.40nm	4.2mb			iSg	41 03.94		
ALO	87.31	48 eP	10 27.30	0.5			eS	20 20.30		SAO	0.57	129 ePd	40 55.91	-1.1
	0.9s	3.99nm	4.3mb		QIS	17.59	165 ePc	17 47.40	-0.2	SAO	0.57	129 iPd	40 56.08	-0.9
SFI	87.35	325 Pc	10 27.70	1.2		eS	20 53.00		BKS	0.77	346 ePd	41 00.00	-0.5	
PGD	87.44	325 P	10 28.70	1.5	CTA	19.89	147 iPc	18 18.70	3.8X		eS	41 11.00		
SCH	87.45	14 eP	10 27.00	0.1		0.8s	30.60nm	4.7mb	BRK	0.77	344 iPc	41 00.20	-0.3	
CRE	87.52	324 Pc	10 28.10	0.6	WARB	23.92	199 eP	18 58.00	2.8X		iS	41 10.60		
MME	87.68	325 P	10 29.40	0.9	MAT	39.93	4 eP	21 15.00	-1.1	ZSP	0.84	346 iPc	41 01.64	0.0
ORX	87.79	328 P	10 27.13	-1.7	KMI	42.21	314 eP	21 35.00	-0.1	PRS	0.94	148 iPc	41 02.95	-0.4
BDI	87.83	325 Pc	10 28.20	-0.8	MAIO	80.33	308 eP	25 55.00	2.0		iS	41 14.02		
LOR	88.19	331 eP	10 30.10	-0.5	LPB	149.82	132 PKP	33 37.70	9.7X	LLA	0.98	121 iPd	41 03.52	-0.6
	1.0s	11.00nm	4.8mb		ZOBO	149.96	131 PKP	33 19.00	-9.4X		i	41 17.18		
LSD	88.28	328 P	10 31.24	-0.1	CCH	150.67	136 PKP	33 39.00	9.9X	PRI	1.45	132 ePc	41 11.48	-0.3
LBF	88.37	331 eP	10 30.80	-0.7	SIV	155.04	141 PKP	33 47.00	12.1X	NWRM	1.51	332 e(P)	41 10.50	-1.8
	0.7s	3.85nm	4.5mb		S.D. = 1.4 on 7 of 14 obs.					CMB	1.57	54 e(P)	41 11.20	-2.1
PCP	88.39	327 P	10 30.72	-0.9	JUN 02, 1991 22h 16m 01.34± 1.42s						iPgc	41 14.57		
LPL	88.42	328 eP	10 31.80	-0.2	44.163 N ± 6.6km 81.676 E ± 7.4km						eSg	41 34.90		
	0.5s	3.65nm	4.6mb		DEPTH = 64.1 ± 15.3 km					PHAM	1.82	135 e(P)	41 15.50	-1.5
LPG	88.42	328 eP	10 32.00	-0.1	4.6mb (14 obs.)					FRI	1.83	94 ePc	41 15.40	-1.7
	0.7s	9.90nm	4.9mb		NORTHERN XINJIANG, CHINA (332)						eS	41 37.40		
RSP	88.48	328 P	10 30.83	-1.3	WMO	4.36	92 iPnc	17 07.20	0.5	16 obs. associated				
SSF	88.50	331 eP	10 31.80	-0.2	Z 12s		0.34um			& JUN 03, 1991	00h 43m 46.34s			
	0.7s	4.95nm	4.6mb			Pg	17 20.30			57.979 N	154.235 W			
LDF	88.59	334 eP	10 33.10	0.7		Sn	17 58.60			DEPTH = 46.5km				
SMF	88.70	331 eP	10 32.70	-0.3		Sg	18 16.00			3.2mb (1 obs.)				
BHB	88.72	328 P	10 30.72	-2.4	LSA	16.28	149 P	19 53.00	5.3X	KODIAK ISLAND REGION (13)				
AVF	88.78	331 eP	10 33.20	-0.1	GUN	16.57	167 P	19 51.14	-0.1	<AEIC>. ML 3.2 (AEIC).				
	0.6s	9.45nm	4.9mb			0.8s	61.00nm	4.8mb	KDC	0.96	103 P	44 03.20	-0.4	
RRL	88.87	328 P	10 32.67	-1.4		16.59	169 P	19 50.70	-0.7		S	44 16.80		
ROB	88.89	327 P	10 32.16	-1.8		0.6s	14.00nm	4.3mb	CDD	1.00	18 iP	44 03.34	-0.9	
GRR	89.02	334 eP	10 34.50	0.0	PKI	16.83	168 P	19 53.84	-0.6		eS	44 16.85		
PZZ	89.06	328 P	10 36.57	1.7		0.9s	40.00nm	4.6mb	SYI	1.16	56 iP	44 05.39	-1.0	
STV	89.17	327 P	10 32.47	-2.9	MAIO	18.63	253 eP	20 17.00	0.7		eS	44 20.43		
IMI	89.18	327 P	10 33.80	-1.6	GBA	30.67	188 Pc	22 11.90	0.0	MCNL	1.21	358 iP	44 06.23	-0.9
LPF	89.39	334 eP	10 36.40	0.2		0.6s	4.80nm	4.4mb			S	44 22.05		
	0.8s	10.75nm	4.9mb		KAF	36.38	319 eP	23 08.90	8.1X	AUI	1.42	17 eP	44 09.23	-0.9
SBF	89.42	327 eP	10 35.80	-0.7	SOD	36.89	328 iP	23 04.60	-0.4		eS	44 28.17		
	0.7s	15.45nm	5.1mb		NUR	37.14	317 iP	23 06.80	-0.3	AUH	1.45	16 eP	44 09.65	-0.9
MAF	89.56	331 eP	10 37.30	0.3			e	23 15.00			S	44 28.37		
TCF	89.64	331 eP	10 37.40	0.0	KEV	37.28	332 eP	22 54.00	-14.1X	AUE	1.46	18 eP	44 09.85	-0.7
PGF	89.74	325 eP	10 37.50	-0.6		0.5s	1.10nm	3.9mb			eS	44 27.91		
	1.0s	10.00nm	4.8mb		HFS	42.60	317 eP	23 52.90	0.6	PDB	1.81	1 eP	44 14.07	-1.6
LSF	89.94	332 eP	10 38.80	0.0	Z 16s		0.07um	3.7Ms±X			S	44 36.45		
	0.9s	9.85nm	4.8mb			e	24 01.50		CNPM	2.20	44 eP	44 19.75	-1.4	
FRF	90.01	327 eP	10 38.60	-0.5	NB2	43.64	318 P	24 00.40	-0.4		S	44 46.99		
	0.9s	11.45nm	4.9mb			0.6s	4.40nm	4.4mb	RED	2.56	16 eP	44 25.18	-1.2	
LRG	90.22	327 eP	10 40.00	-0.1	CLL	45.19	304 e(P)	24 22.00	8.7X	RS2	2.61	16 eP	44 25.69	-1.5
	0.9s	16.40nm	5.0mb		GRF	46.82	303 e(P)	24 36.40	10.2X	RSO	2.60	16 eP	44 25.58	-1.6
LMR	90.25	327 eP	10 39.90	-0.3	LPG	51.30	300 eP	25 01.10	0.0	RDW	2.62	16 eP	44 25.88	-1.4
	0.9s	13.10nm	4.9mb			0.7s	5.50nm	4.7mb	REF	2.64	17 eP	44 25.99	-1.6	
MFF	90.27	333 eP	10 40.80	0.5	LPL	51.31	300 eP	25 01.20	0.1	RDN	2.65	16 eP	44 26.25	-1.5
	0.8s	13.45nm	5.0mb			0.8s	6.05nm	4.7mb	NCT	2.68	14 eP	44 26.54	-1.5	
RJF	90.73	331 eP	10 42.80	0.4	SBF	51.63	297 eP	24 59.10	-4.2X	DFR	2.74	16 eP	44 27.45	-1.5
	0.9s	13.10nm	5.0mb			0.9s	8.20nm	4.8mb	RDT	2.77	19 eP	44 27.45	-1.9	
CAF	90.82	331 eP	10 43.70	0.8	MBC	59.11	6 ePc	25 56.90	0.1	NKA	3.17	28 eP	44 34.86	0.0
	0.9s	11.45nm	4.9mb			0.5s	8.00nm	5.1mb	SVW	3.22	348 iP	44 33.50	-2.2	
LFF	91.33	332 eP	10 45.90	0.7	IMA	62.16	22 eP	26 18.40	0.6	SLKM	3.27	37 eP	44 33.08	-3.3
	0.7s	14.35nm	5.2mb			1.2s	11.40nm	4.9mb	CKL	3.37	16 eP	44 35.86	-2.0	
LPO	91.37	331 eP	10 46.00	0.6	FBA	64.63	21 eP	26 32.50	-1.4	BGL	3.43	15 eP	44 37.53	-1.1
TUL	92.76	41 eP	10 52.40	0.5	INK	64.80	14 eP	26 34.00	-0.8	CRP	3.46	17 eP	44 37.51	-1.7
	0.8s	72.60nm	5.9mb X											
EPF	93.09	331 eP	10 53.50	0.1										
FVM	93.93	37 P	10 56.70	-0.6										
	0.8s	9.09nm	5.0mb											
LKO	123.91	316 PKP	16 36.90	-0.8										
KIC	125.98	313 PKP	16 41.00	-0.7										

03d 00h

NCG	3.59	16	eP	44	38.75	-2.3	1.0s	22.00nm	5.0mb	MOX	77.89	336	eP	44	44.20	-0.2	1.1s	16.00nm	5.0mb			
SUA	3.92	25	eP	44	42.97	-2.7	GUN	55.13	275 P	42	20.26	-0.2	WTS	77.92	340	eP	44	44.50	0.0			
MTU	3.96	57	eP	44	42.66	-3.5	0.9s	52.00nm	5.6mb	0.7s	27.00nm	5.4mb	CMP	78.02	325	ePc	44	52.00	6.7X			
PMS	4.05	34	eP	44	44.23	-3.2	KKN	55.62	276 P	42	23.76	-0.1	SRO	78.32	331	iP	44	47.30	0.5			
KNIM	4.10	52	eP	44	43.73	-4.4	1.0s	86.00nm	5.7mb	55.66	275 P	42	24.08	-0.2	BUD	78.36	330	e(P)	44	47.00	0.0	
SKT	4.24	18	eP	44	47.18	-2.9	1.2s	97.00nm	5.7mb	GKN	55.93	276 P	42	25.94	0.0	ZST	78.39	332	iP	44	48.80	1.6
PWA	4.29	29	eP	44	48.27	-2.5	NEW	57.38	52 P	42	35.00	-1.0	FVM	78.54	46 P		44	47.90	-0.3			
PMR	4.45	33	eP	44	50.80	-2.1	1.0s	15.00nm	5.0mb	0.6s	11.05nm	5.1mb	VKA	78.59	332	eP	44	49.00	0.7			
KNK	4.52	38	eP	44	49.95	-4.1	KEV	57.79	341 eP	42	40.00	1.5	KHC	78.68	334	eP	44	48.60	-0.2			
GHO	4.65	33	eP	44	52.16	-3.8	GAR	58.78	295 eP	42	44.00	-2.0	e	44	53.00	14km						
GLI	4.66	48	eP	44	50.84	-5.2	SES	59.37	48 ePc	42	48.00	-1.8	GRF	78.86	336	iPc	44	50.30	0.5			
CUT	4.86	22	eP	44	56.73	-2.0	SOD	59.70	339 iP	42	50.00	-1.8	0.7s	33.00nm	5.5mb							
VZW	4.98	48	eP	44	56.23	-4.3	ORV	59.91	63 ePd	42	53.60	0.0	Z	22s	0.04um	3.7Msz						
KLU	5.49	47	eP	45	03.04	-4.7	PCC	60.60	65 ePd	42	58.30	0.0	e(pP)	45	01.10	35kmX						
YKA	19.94	60	eP	48	11.00	-5.8	FFC	61.02	40 iPc	43	01.10	0.1	e(sP)	45	08.50							
0.5s	0.70nm	3.2mb					0.7s	19.00nm	5.3mb	ENN	79.27	340	iPd	44	52.00	0.1						
39 obs. associated							61.40	53 eP	43	04.10	0.1	0.8s	18.00nm	5.1mb								
JUN 03, 1991 01h 32m 46.52±0.24s							61.52	64 ePd	43	05.40	0.7	PVL	79.61	324 eP	44	53.00	-0.9					
46.306 N ± 5.8km 153.239 E ± 3.1km							61.96	66 ePd	43	08.10	0.5	EYL	79.71	320 iP	44	56.10	1.4					
DEPTH = 17.5km (6 depth phases)							62.59	64 eP	43	11.50	-0.2	GWF	80.49	338 P	44	58.38	-0.2					
5.1mb (59 obs.) 4.2Msz (4 obs.)							63.45	62 P	43	17.50	-0.2	KBA	80.58	333 iPc	44	59.70	0.4					
KURIL ISLANDS (221)							0.8s	12.21nm	5.1mb	PTJ	80.78	331 eP	44	59.50	-0.7							
KUSJ	6.87	245	eP	34	26.00	-2.8X	KAF	63.88	335 iP	43	17.90	-2.0	MFT	80.80	321 eP	45	00.50	0.1				
ASAJ	7.80	258	eP	34	43.60	1.8	0.3s	1.70nm	4.7mb	KDZ	80.88	323 eP	45	02.00	1.3							
HOJ	8.14	245	eP	34	45.00	-1.6	SYP	63.98	67 eP	43	22.00	0.9	WTTA	80.93	335 iPc	45	01.40	0.3				
MRRJ	9.54	250	eP	35	04.30	-1.6	ISA	64.20	65 eP	43	22.00	-0.5	0.9s	27.60nm	5.3mb							
OFUJ	11.16	234	eP	35	23.70	-4.4X	CLC	64.65	64 eP	43	25.00	-0.4	VT	80.98	325 iPd	45	02.00	0.5				
S	36	15.30					DUG	64.74	58 P	43	26.00	0.0	KGT	81.07	321 eP	45	02.50	0.8				
MAT	14.89	234	eP	36	17.00	-0.7	SBB	65.23	65 eP	43	30.00	0.8	WLS	81.08	338 P	45	01.61	-0.1				
1.0s	12.00nm	4.3mb					PAS	65.36	66 eP	43	30.00	0.1	CDF	81.10	338 P	45	01.79	-0.1				
MDJ	16.67	273	eP	36	42.30	1.7	MWC	65.39	66 eP	43	31.00	0.7	RZN	81.13	324 iP	45	02.00	-0.3				
1.0s	16.00nm	4.1mb X					FRB	65.44	19 eP	43	29.00	-0.9	RDO	81.24	323 eP	45	03.00	0.4				
N	14s	0.41um					GSC	65.48	64 eP	43	31.00	0.3	ECH	81.31	338 P	45	02.89	0.0				
E	14s	0.44um					NUR	65.65	335 iP	43	29.30	-2.0	VBY	81.36	332 e(P)	45	02.50	-0.7				
SNY	21.71	269	eP	37	37.00	-1.4	0.7s	14.70nm	5.3mb	FEL	81.40	337 eP	45	03.14	-0.4							
1.0s	100.00nm	5.2mb					RVR	65.97	65 eP	43	33.00	-0.8	VITF	81.61	339 P	45	04.26	-0.2				
HHC	30.42	275	eP	39	05.00	5.0X	PEC	66.17	65 P	43	34.10	-1.0	MMB	81.62	324 iP	45	06.00	1.4				
TIY	31.22	269	eP	39	07.40	0.4	PLM	66.71	66 eP	43	39.00	0.2	KKB	81.65	325 iP	45	05.00	0.3				
Z	20s	0.50um	4.2Msz				TPC	66.73	65 eP	43	38.00	-0.7	MOF	81.65	338 P	45	04.50	-0.3				
N	15s	0.40um					HYB	67.09	272 eP	43	41.00	-0.2	HAU	81.72	338 eP	45	04.80	-0.2				
SVW	32.73	44 P	39	20.00	0.1	PV09	68.00	57 P	43	47.00	0.0	0.9s	9.85nm	4.9mb								
1.0s	20.00nm	5.0mb				WB2	68.12	199 eP	43	47.40	0.0	BSF	81.76	338 eP	45	05.00	-0.4					
WHN	33.91	256	eP	39	31.00	0.6	0.9s	5.20nm	4.7mb	0.9s	9.85nm	4.9mb	CTI	82.02	334 P	45	06.10	-0.6				
RSO	34.12	46 P	39	32.90	0.7	UPP	68.15	338 iPc	43	45.40	-1.7	LOMF	82.20	338 P	45	07.48	-0.1					
XAN	35.57	266	eP	39	44.10	-0.6	GLA	68.19	65 eP	43	49.00	1.1	VAY	82.31	325 eP	45	08.40	0.2				
PMR	35.86	44 P	39	46.70	-0.1	NB2	68.68	341 P	43	49.10	-1.4	PRK	82.51	321 eP	45	09.20	0.0					
0.7s	9.88nm	4.8mb				HFS	68.90	340 eP	43	50.20	-1.6	FLN	82.58	343 eP	45	09.40	-0.1					
FBA	36.46	38 iP	39	51.80	0.0	0.6s	47.00nm	5.8mb	Z	17s	0.06um	3.9MszX	LDF	82.67	343 eP	45	09.70	-0.2				
0.9s	27.50nm	5.1mb				GLD	69.38	54 P	43	56.40	1.0	HRI	82.80	311 eP	45	12.00	1.0					
pP	39	55.60	13km			POO	69.59	276 iPd	43	54.00	-2.7	GRR	83.02	343 eP	45	11.80	0.1					
sP	40	02.20				ANMO	72.00	58 P	44	11.20	-0.1	0.9s	21.30nm	5.3mb								
LZH	37.99	272 Pc	40	06.00	0.8	ALO	72.00	58 eP	44	11.20	-0.1	LOR	83.02	340 eP	45	11.60	-0.2					
1.3s	48.00nm	5.1mb				IR7	72.82	304 ePc	44	27.00	11.0X	0.7s	12.15nm	5.2mb								
Z	18s	0.34um	4.2Msz			IR1	72.98	304 eP	44	18.00	1.0	VAI	83.03	336 Pd	45	11.90	0.1					
E	12s	0.26um				IR4	72.98	303 ePc	44	18.00	1.0	LBF	83.26	339 eP	45	12.80	-0.3					
GTA	39.13	280 P	40	15.50	0.8	BSD	73.00	336 iPd	44	15.70	-0.8	0.7s	4.40nm	4.7mb								
0.8s	10.00nm	4.6mb				0.7s	17.00nm	5.2mb	COP	73.16	338 iP	44	17.50	0.1	SSF	83.30	340 eP	45	13.00	-0.2		
Z	14s	0.30um	4.3MszX			0.8s	11.94nm	5.0mb	IR5	73.18	303 eP	44	16.00	-2.2	LPG	83.39	343 eP	45	13.90	0.2		
E	16s	0.70um				KRA	75.84	331 iPd	44	32.70	-0.3	0.9s	13.10nm	5.1mb								
BALM	39.17	44 P	40	14.90	0.2	0.8s	33.00nm	5.4mb	0.9s	37.00nm	5.5mb	KZN	83.49	325 eP	45	13.40	-1.0					
CD2	40.93	266 P	40	30.20	0.7	KSP	76.34	334 eP	44	35.00	-0.8	AVF	83.59	340 eP	45	15.00	0.3					
GYA	41.71	258 P	40	36.60	0.6	0.9s	39.00nm	5.5mb	0.9s	21.30nm	5.3mb	SMF	83.61	339 eP	45	14.90	0.1					
INK	41.98	32 ePd	40	37.70	0.1	SPC	76.48	330 eP	44	36.60	-0.3	1.0s	37.00nm	5.5mb	BOB	83.84	335 P	45	16.70	0.6		
0.7s	9.88nm	4.8mb				VRI	76.86	325 ePd	44	40.00	1.2	SFI	83.87	333 Pd	45	17.40	1.3					
MBC	44.99	20 eP	41	02.50	0.6	CLL	76.90	336 iPc	44	38.30	-0.7	ARV	83.90	332 Pd	45	16.90	0.5					
1.0s	7.00nm	4.5mb				0.9s	39.00nm	5.5mb	LPL	83.91	337 eP	45	17.40	0.7	0.8s	6.70nm	4.9mb					
WMQ	45.17	292 eP	41	04.90	1.0	BRG	77.02	335 iP	44	39.20	-0.4	BGF	83.93	337 eP	45	17.50	0.7					
Z	18s	0.30um	4.3Msz			TUL	77.32	51 ePc	44	41.40	-0.2	0.6s	6.30nm	5.0mb								
YKA	51.23	37 eP	41	50.40	-0.2	0.8s	62.10nm	5.7mb	KAS	77.42	318 eP	44	43.50	1.4	PGD	83.95	333 P	45	18.30	1.5		
0.8s	8.20nm	4.7mb				MLR	77.48	325 ePd	44	42.20	-0.2	MME	83.98	334 P	45	18.30	1.2					
CHG	52.10	257 eP	41	59.80	2.0	PRU	77.63	334 P	44	42.90	-0.1	JVI	84.05	311 eP	45	18.60	1.2					
												CRE	84.10	333 P	45	18.10	0.6					
												BDI	84.13	334 P	45	17.30	-0.3					
												MAF	84.31	340 eP	45	18.90	0.5					

03d 01h

0.9s 20.45nm 5.4mb
 TCF 84.34 340 eP 45 18.80 0.3
 1.1s 12.20nm 5.0mb
 LSF 84.53 341 eP 45 19.90 0.4
 1.1s 18.30nm 5.2mb
 MFF 84.57 342 eP 45 20.10 0.5
 AQU 84.78 331 P 45 21.60 0.8
 SDI 85.21 331 P 45 22.30 -0.7
 SBF 85.24 336 eP 45 22.80 -0.4
 0.6s 8.10nm 5.1mb
 RJF 85.43 340 eP 45 23.80 -0.2
 CAF 85.65 340 eP 45 25.50 0.3
 0.7s 4.95nm 4.8mb
 VLS 85.79 324 eP 45 25.00 -0.9
 LRG 85.92 336 eP 45 26.90 0.5
 0.9s 13.10nm 5.1mb
 LFF 85.95 341 eP 45 26.60 0.0
 0.8s 8.05nm 5.0mb
 LMR 85.99 336 eP 45 27.20 0.4
 1.0s 14.00nm 5.1mb
 PGF 85.99 334 eP 45 26.70 -0.3
 0.7s 5.50nm 4.9mb
 MBH 86.00 310 eP 45 27.90 0.7
 VLI 86.06 322 eP 45 25.50 -1.7
 LPO 86.09 340 eP 45 27.20 -0.1
 NPS 86.11 319 eP 45 26.30 -1.2
 EPF 87.85 340 eP 45 36.00 0.1
 LKO 121.26 335 PKP 51 39.56 -0.7
 0.6s 9.00nm
 TIC 123.84 334 PKP 51 45.30 0.1
 KIC 124.02 333 PKP 51 45.40 -0.2
 LIC 124.23 334 PKP 51 45.90 -0.1
 PPD 148.63 48 ePKP 52 34.40 4.1X
 VAO 151.58 42 (PKP) 52 42.00 7.2X
 BMA 152.55 37 ePKP 52 44.10 8.0X
 S.D. = 0.8 on 165 of 173 obs.

? JUN 03, 1991 01h 34m 46.71±4.51s
 39.019 N ±29.7km 23.454 E ±25.6km
 DEPTH = 5.0km (geophysicist)
 AEGEAN SEA (365)
 MD 1.9 (THE).

AGG 0.88 271 ePc 35 04.02 0.0
 eS 35 17.18
 PAIG 0.92 11 iPd 35 04.97 0.2
 eS 35 16.58
 LIT 1.31 326 ePc 35 11.38 -0.1
 eS 35 28.34
 GRG 2.10 338 iPd 35 23.58 0.6
 KNT 2.18 349 ePd 35 23.50 -0.7
 S.D. = 0.7 on 5 of 5 obs.

JUN 03, 1991 01h 55m 51.05±0.42s
 49.137 N ±3.8km 6.861 E ±5.4km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 ML 2.9 (GRF), 2.6 (BNS), MD 2.9
 (STR), 2.5 (UCC).

GWf 0.53 107 Pg 56 01.26 -0.4
 WLF 0.70 319 iPd 56 04.68 -0.2
 iS 56 14.22
 CDF 0.78 159 Pg 56 05.60 -0.6
 Sg 56 16.66
 WLS 0.79 156 Pg 56 06.02 -0.5
 ECH 0.94 168 Pg 56 09.00 0.0
 VITF 1.09 213 Pg 56 11.30 -0.2
 MOF 1.30 172 Pg 56 15.81 0.6
 BSF 1.31 182 Pg 56 15.98 0.7
 FEL 1.48 148 Pg 56 19.13 1.3
 Sg 56 39.12
 MEM 1.57 340 iPd 56 18.50 -0.5
 ENN 1.74 340 iPnc 56 21.10 -0.4
 0.5s 41.00nm
 iPgC 56 23.60
 e 56 49.50
 e(Sn) 56 53.50
 DOU 1.76 304 P 56 21.50 -0.2
 i 56 24.20
 LOMF 1.79 181 Pn 56 21.60 -0.7
 BNS 1.84 6 iPc 56 24.70 1.8
 0.4s 45.00nm
 iS 56 48.50
 SNF 2.16 310 iP 56 32.70 5.1X
 GRF 2.90 77 e(Pn) 56 42.70 4.6X
 ePg 56 46.40

eSg 57 24.50
 MOX 3.43 62 eP 57 01.00 15.4X
 e 57 44.00
 KHC 4.41 88 ePn 56 58.30 -1.3
 e 57 13.50
 CLL 4.50 59 (Pg) 57 16.00 15.2X
 (Sg) 58 17.00
 KBA 4.81 113 eP 57 06.00 0.7
 0.6s 8.90nm
 ic 57 06.60
 e 57 25.00
 e 58 03.00
 e 58 32.00
 BRG 4.89 66 ePg 57 24.80 18.5X
 eSg 58 25.80
 S.D. = 0.9 on 16 of 21 obs.

* JUN 03, 1991 03h 16m 20.20±0.67s
 29.112 N ±7.7km 141.783 E ±13.4km
 DEPTH = 33.0km (normol)
 4.5mb (7 obs.)
 SOUTH OF HONSHU, JAPAN (211)

IIDJ 7.14 334 P 18 11.40 6.3X
 KAKJ 7.20 350 P 18 07.30 1.5
 eS 19 21.70
 CHJJ 7.31 342 P 18 08.00 0.7
 eS 19 28.80
 MAT 7.99 339 eP 18 17.00 0.0
 0.9s 8.40nm 4.8mb
 (S) 19 39.00
 NIJJ 8.43 345 P 18 22.90 -0.1
 YAMJ 9.15 351 eP 18 33.10 0.1
 eS 20 10.70
 OFUJ 9.94 359 P 18 41.50 -2.4
 eS 20 26.00
 MDJ 18.26 331 eP 20 34.00 1.5
 0.7s 19.00nm 4.4mb
 NJ2 19.95 284 Pc 20 51.80 -0.5
 GYA 31.12 274 eP 22 38.20 0.1
 CHG 40.28 265 eP 23 56.20 0.2
 GUN 48.74 283 P 25 00.00 -4.2X
 WB2 49.29 189 iPc 25 06.00 -2.0
 0.2s 7.70nm 5.4mb
 STK 60.66 180 iPd 26 32.40 2.1
 0.4s 1.10nm 4.3mb
 YKA 70.54 29 eP 27 33.20 -0.3
 0.5s 0.60nm 3.9mb
 SOD 72.40 338 eP 27 44.00 -0.6
 NUR 77.11 333 eP 28 10.00 -1.6
 LRM 79.65 43 eP 28 26.40 0.2
 FFC 80.22 32 eP 28 29.00 0.3
 0.7s 6.00nm 4.7mb
 HFS 81.44 337 eP 28 34.30 -0.7
 0.4s 1.20nm 4.3mb
 Z 17s 0.06um 4.1mszX
 LR 07 16.00
 ZOBO 149.69 72 PKP 36 06.00 1.4
 LPB 149.84 72 ePKP 36 17.00 12.4X
 CNCB 150.08 72 ePKP 36 18.00 12.9X
 S.D. = 1.2 on 19 of 23 obs.

* JUN 03, 1991 03h 41m 06.48±1.02s
 38.251 N ±10.8km 21.567 E ±10.3km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 MD 2.9 (ATH).

VLS 0.77 265 iPd 41 21.70 0.1
 eS 41 35.00
 AGG 0.97 38 iPd 41 26.64 1.6
 IGT 1.60 323 ePc 41 37.28 2.4X
 VLI 1.88 144 eP 41 39.00 0.1
 eS 42 05.00
 LIT 1.98 21 ePc 41 39.84 -0.6
 PAIG 2.35 44 iPc 41 44.40 -1.3
 S.D. = 1.5 on 5 of 6 obs.

? JUN 03, 1991 03h 57m 09.09±1.32s
 21.152 N ±8.6km 122.477 E ±23.2km
 DEPTH = 33.0km (normol)
 4.1mb (1 obs.)
 TAIWAN REGION (243)

TWF1 2.45 334 eP 57 47.70 0.1
 eS 58 05.00
 PIP 3.31 212 iPc 57 59.80 0.0

CVP 3.48 190 eP 58 03.00 0.7
 eS 58 45.00
 SZP 4.06 208 ePc 58 10.00 -0.4
 CHG 22.24 268 eP 02 22.00 17.4X
 WB2 42.46 163 eP 05 02.50 -0.3
 0.6s 2.50nm 4.1mb
 S.D. = 0.6 on 5 of 6 obs.

? JUN 03, 1991 04h 18m 39.92±2.65s
 44.273 N ±17.1km 148.690 E ±17.5km
 DEPTH = 52.4 ±20.6 km
 4.9mb (6 obs.)
 KURIL ISLANDS (221)

KUSJ 3.12 249 P 19 27.10 -0.6
 eS 19 58.80
 ASAJ 4.35 270 P 19 48.20 3.1X
 HOOJ 4.37 246 P 19 47.90 2.5X
 eS 20 36.60
 MRRJ 5.85 254 eP 20 07.50 1.3
 eS 21 15.00
 OFUJ 7.38 228 P 20 26.50 -1.1
 eS 21 44.40
 MAT 11.11 230 eP 21 18.00 -0.7
 0.8s 8.21nm 4.9mb
 CN2 16.71 277 eP 22 33.80 2.0
 BTO 28.60 276 eP 24 34.10 0.9
 LZH 34.86 272 eP 25 27.00 -1.2
 1.2s 27.00nm 5.1mb
 CD2 37.56 265 P 25 50.90 0.1
 0.8s 19.00nm 5.1mb
 GUN 52.09 274 P 27 46.98 -0.2
 0.6s 28.00nm 5.4mb
 KKN 52.59 274 P 27 50.54 -0.3
 PKJ 52.63 274 P 27 50.72 -0.5
 GKN 52.93 275 P 27 52.88 -0.3
 YKA 54.75 34 eP 28 06.40 0.5
 0.6s 0.40nm 3.6mb X
 WB2 65.24 195 eP 29 20.00 1.9
 0.9s 3.20nm 4.3mb
 NB2 69.51 339 P 29 43.00 -1.6
 0.5s 0.60nm 3.8mb
 S.D. = 1.2 on 15 of 17 obs.

JUN 03, 1991 04h 54m 41.34±0.84s
 23.962 N ±8.7km 118.692 E ±8.2km
 DEPTH = 10.0km (geophysicist)
 TAIWAN REGION (243)
 ML 3.9 (BJI).

OZH 0.98 355 Pgc 54 59.00 -0.9
 iSg 55 13.00
 TWK 1.79 112 iPd 55 12.40 -0.1
 eS 55 36.40
 TWF1 2.46 104 eP 55 21.70 -0.5
 eS 55 53.90
 TWD 2.66 87 ePd 55 25.50 0.5
 GZH 4.98 261 ePg 56 10.60 12.6X
 Sg 57 11.10
 SSE 7.44 17 ePg 56 57.50 24.9X
 Z 12s 0.50um
 NJ2 8.06 1 Pd 56 42.20 1.0
 QIZ 9.59 241 eP 57 02.50 0.1
 S.D. = 0.9 on 6 of 8 obs.

% JUN 03, 1991 05h 00m 59.72±0.75s
 40.438 N ±6.1km 23.069 E ±6.7km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 MD 1.6 (THE).

THE 0.21 338 iPd 01 03.44 -0.8
 eS 01 06.52
 SOH 0.44 29 iPc 01 08.01 -0.7
 LIT 0.56 233 ePc 01 11.20 0.2
 PAIG 0.69 137 ePc 01 13.00 -0.4
 iS 01 24.20
 OUR 0.71 98 ePc 01 13.60 0.0
 GRG 0.73 316 ePc 01 14.80 0.8
 KNT 0.73 350 ePc 01 13.32 -0.8
 eS 01 23.48
 SRS 0.79 30 ePd 01 16.84 1.8
 S.D. = 1.1 on 8 of 8 obs.

JUN 03, 1991 05h 05m 14.80±0.18s
 40.022 S ±4.0km 74.801 W ±4.9km
 DEPTH = 10.0km (geophysicist)

03d 05h

5.7mb (33 obs.) 4.8msz (6 obs.) NVL 51.74 155 iPc 14 24.00 0.1 1.5s 125.00nm 5.9mb
 OFF COAST OF SOUTHERN CHILE (143) i 14 31.50 PEC 83.31 326 P 17 43.70 0.8
 Mo=5.0*10**17 Nm (PPT) e 14 48.00 RVR 83.49 326 eP 17 45.00 1.2
 CENTROID. MOMENT TENSOR (HRV) e 14 56.00 PAS 83.97 325 eP 17 47.00 0.8
 Data Used: GDSN e 15 11.00 MWC 83.98 325 eP 17 47.00 0.4
 L.P.B.: 19S, 34C ePcP 15 23.00 GOL 84.11 337 P 17 46.80 -0.4
 Centroid Location: e 15 43.00 1.0s 48.75nm 5.7mb
 Origin Time 05:05:21.1 0.4 ePP 16 26.00 GLD 84.11 337 P 17 47.60 0.5
 Lat 40.77S 0.06 Lon 75.75W 0.07 e 17 40.00 1.3s 97.70nm 5.9mb
 Dep 15.0 BDY Half-duration 2.3 e 18 05.00 SBB 84.27 326 eP 17 48.00 0.2
 Moment Tensor: Scale 10**17 Nm e 18 20.00 GSC 84.36 327 eP 17 49.00 0.7
 Mrr=-1.48 0.11 Mtt=-0.94 0.10 e 18 24.90 JOZ 84.52 121 eP 17 49.50 0.1
 Mff= 2.41 0.13 Mrt= 0.71 0.20 e 21 59.00 ABL 85.02 325 P 17 52.40 0.6
 Mrf= 0.74 0.35 Mtf= 1.42 0.12 e 22 15.00 SYP 85.09 324 eP 17 51.00 -1.0
 Principal Axes: e 22 46.00 CLC 85.13 326 eP 17 52.00 -0.1
 T Vol= 3.13 Plg=12 Azm=291 e 23 28.00 ISA 85.38 326 eP 17 54.00 0.6
 N -1.15 37 30 eSS 25 50.00 BCH 85.69 324 P 17 56.60 1.6
 P -1.98 51 187 eSSS 27 24.00 DAU 86.67 333 P 18 00.50 0.5
 Best Double Couple: Mo=2.5*10**17 TRN 51.92 17 iPc 14 26.34 0.5 PRI 86.75 324 ePd 18 01.40 1.2
 NP1: Strike=345 Dip=46 Slip=-146 1.2s 250.20nm 6.0mb TNP 86.91 328 P 18 01.70 0.7
 NP2: 229 66 SBA 56.73 193 iP 15 00.20 -0.3 1.0s 47.50nm 5.7mb
 TACH 7.07 27 iP 06 58.50 -2.4 ACX 61.23 332 (P) 15 19.00 -0.4 BUL 87.03 114 iPc 18 02.50 0.4
 IHA 7.43 21 iPd 07 03.40 -2.5 IISM 62.37 336 (P) 15 32.50 0.3 0.8s 35.45nm 5.6mb
 PEL 7.62 27 iPd 07 06.40 -2.2 IIT 62.70 335 (P) 15 43.00 0.6 FRI 87.03 326 ePd 18 01.20 -0.2
 MDZ 8.58 36 e(P) 07 22.10 0.0 PPM 62.84 335 (P) 15 43.50 -0.1 DUG 87.04 332 P 18 01.80 0.3
 ZON 9.81 32 eP 07 35.50 -3.4X MRX 64.31 332 (P) 15 53.00 0.4 1.2s 104.20nm 5.9mb
 RTLL 10.08 33 ePd 07 39.10 -3.6X TVO 67.01 266 iP 16 11.00 0.7 PRS 87.22 324 ePd 18 03.50 1.2
 RTRS 10.75 26 ePd 07 50.00 -1.9 RUV 67.13 269 iP 16 05.70 -5.3X BONR 87.25 327 P 18 03.80 1.0
 ANT 16.68 14 eP 09 10.50 0.3 VAH 67.29 269 iP 16 06.60 -5.4X LLA 87.27 324 eP 18 03.70 1.2
 SLA 17.14 30 ePd 09 13.00 -3.1X PPN 67.30 266 iP 16 12.40 0.4 SAO 87.61 324 ePd 18 04.70 0.5
 ITB7 22.79 56 eP 10 20.80 2.1 TPT 67.43 269 iP 16 07.60 -5.3X GCC 88.08 324 eP 18 07.50 1.1
 ITB1 23.00 54 eP 10 22.50 1.9 CER 72.26 119 iPc 16 41.50 -0.8 KVN 88.09 328 P 18 06.80 0.1
 IT8 23.00 55 eP 10 23.10 2.4 1.0s 120.00nm 5.9mb HBF 72.77 355 P 16 45.60 0.7 ARN 88.14 325 P 18 08.30 1.6
 ARE 23.65 8 iPd 10 30.20 2.8X HBS 73.04 355 P 16 45.60 -0.9 MHC 88.18 324 ePd 18 08.30 1.3
 CCH 23.78 21 P 10 31.00 2.3 PRM 74.07 353 P 16 52.00 -0.5 CMB 88.20 326 iPd 18 07.70 0.7
 CNCB 23.88 16 P 10 33.20 3.3X LHS 74.34 355 P 16 52.90 -1.1 BKS 88.88 324 iPc 18 12.00 1.8
 LPB 24.12 16 iPd 10 35.70 3.6X MBO 76.24 58 iP 17 07.00 1.7 1.4s 231.00nm 6.3mb
 Z 20s 224.00nm 5.7mb OLY 76.71 346 P 17 06.20 -1.3 ORV 89.95 326 iPd 18 16.10 0.9
 Z 20s 3.55um 4.8msz BLA 77.03 355 P 17 06.60 -2.7 MIN 90.65 326 ePd 18 18.10 -0.5
 S 15 12.00 5.5mb MTD 91.36 113 iPc 18 23.70 1.2
 LR 20 50.00 4.5msz X ipP 18 35.40 38kmX
 ZOBO 24.37 16 P 10 36.60 1.9 NAV 77.16 355 P 17 08.80 -1.2 YKA 107.06 342 ePd diff 19 30.40 -1.7
 Z 24s 137.50nm 5.5mb MEO 77.60 340 iPd 17 11.50 -1.0 1.2s 2.70nm 5.2mb
 Z 24s 1.84um 4.5msz X S 15 04.00 23 57.00 -2.3X
 S 21 04.00 TOA 116.74 330 ePKP 24 00.60 0.5
 LR 21 04.00 GRF 116.90 47 ePKP 24 00.50 -0.2
 SIV 26.77 30 iPd 10 57.00 0.3 TUL 77.99 343 iPc 17 13.00 -1.6 Z 19s 0.30um 4.9msz
 PPD 26.83 55 eP 10 58.40 1.2 1.0s 2518.60nm 7.3mb X PMR 117.60 329 ePKP 24 00.50 -1.1
 NNA 27.98 356 eP 11 07.30 -0.4 ELC 78.06 348 P 17 13.60 -1.4 1.2s 14.10nm
 Z 20s 34.38nm 5.0mb HVD 78.11 120 iPd 17 16.60 0.8 MOX 117.61 46 iPKPc 24 02.00 0.0
 Z 20s 2.13um 4.7msz 1.0s 50.00nm 5.6mb 1.4s 28.00nm
 VAO 29.00 63 eP 11 16.30 -0.6 FRS 78.53 119 iPd 17 17.60 -0.3 KHC 117.95 48 PKP 24 02.50 -0.2
 e 11 20.00 1.0s 4.00nm
 e 11 28.30 OHR 118.44 59 ePKP 24 04.00 0.1
 e 11 41.90 LIC 78.76 72 P 17 20.52 1.2 CLL 118.70 46 iPKP 24 04.20 0.2
 BMA 31.15 66 eP 11 37.10 1.1 Z 20s 0.96um 5.1msz 1.5s 25.00nm
 e 11 39.40 KIM 78.80 118 iPd 17 18.90 -0.7 FBA 118.92 332 ePKP 24 02.70 -1.3
 e 11 48.00 1.2s 62.50nm 5.5mb BRG 119.01 46 ePKP 24 04.60 0.0
 PSO 41.08 356 eP 13 03.00 2.3 FVM 78.94 347 P 17 18.40 -1.4 0.9s 10.00nm
 BOG 44.43 1 eP 13 30.50 2.5 1.0s 100.00nm 5.8mb SKO 119.28 58 ePKP 24 04.00 -1.4
 eS 20 08.00 TIC 79.05 72 P 17 21.76 0.8 e 25 08.00
 FUQ 45.28 1 eP 13 33.00 -1.7 KIC 79.06 72 P 17 21.84 0.9 MBC 119.40 349 ePKPc 24 04.00 -0.7
 SNA 47.08 154 iPd 13 47.70 -0.3 BLF 79.52 119 iPc 17 23.30 -0.3 1.0s 19.00nm
 CAI 47.44 56 iPd 13 52.80 1.2 ALQ 80.11 334 iPd 17 26.80 0.4 KSP 120.31 47 ePKP 24 07.50 0.4
 SDV 48.81 5 eP 14 02.10 -0.2 1.0s 120.00nm 5.8mb IMA 121.63 332 ePKP 24 09.00 -0.3
 UPA 48.95 354 iPd- 14 03.60 0.5 Z 20s 0.35um 4.7msz 1.0s 17.50nm
 Z 1.6s 353.33nm 6.1mb ANMO 80.11 334 iP 17 27.40 1.0 KRA 122.05 49 ePKPc 24 10.00 -0.4
 Z 18s 0.34um 4.4msz 1.1s 170.90nm 5.9mb 1.1s 29.00nm
 CEOS 49.17 8 iP 14 04.30 -0.7 pP 17 38.70 37kmX NB2 122.25 35 PKP 24 09.50 -1.0
 TOV 49.77 6 eP 14 09.00 -0.6 sP 17 41.20 0.8s 5.80nm
 PLAV 50.10 9 eP 14 11.20 -1.1 PNJ 80.55 0 e(P) 17 29.00 0.7 HFS 122.99 37 ePKP 24 10.10 -1.8
 SPA 50.17 180 iPd 14 11.50 -0.8 PNJ 80.55 0 iP 17 29.60 1.3 0.8s 7.60nm
 1.0s 87.50nm 5.7mb LKO 80.60 69 P 17 30.06 0.8 Z 17s 0.33um 5.1msz X
 OLLA 50.33 10 iP 14 13.50 -0.4 1.3s 180.50nm 5.9mb LR 10 39.00
 GUAC 50.44 10 iP 14 14.90 0.1 CLE 81.36 355 iP 17 32.60 0.0 BRW 124.86 337 ePKP 24 14.90 -0.3
 LLAV 50.78 10 iPd 14 17.00 -0.3 BAR 82.06 325 eP 17 37.00 0.5 NUR 128.25 38 ePKP 24 15.00 -7.0X
 CAR 50.80 10 eP 14 16.70 -0.7 PLM 82.72 326 eP 17 39.00 -1.1 e 24 21.00
 MORO 50.99 8 iP 14 17.20 -1.7 TPC 83.02 327 eP 17 43.00 1.5 KEV 130.93 27 ePKP 24 26.00 -0.9
 SLR 83.12 118 iPc 17 42.50 0.0 OBN 133.25 47 ePKP 24 31.00 -0.7

03d 05h

	e	25	13.00	
	e	28	02.00	
GBA	144.14 129 PKPc	24	50.10	-2.6X
	0.9s 22.70nm			
MAIO	144.17 81 iPKPd	24	51.00	-1.4
	0.8s 43.92nm			
POO	145.55 119 iPKPd	24	51.60	-3.6X
MAP	146.04 215 ePKP	24	55.00	-1.0
SNG	147.04 172 ePKP	24	57.20	-0.4
	1.1s 131.65nm			
HYB	147.76 127 iPKPc	24	59.00	0.2
	1.0s 135.00nm			
	e	25	01.50	
	e	25	12.50	
PGP	150.17 212 ePKP	24	55.00	-7.5X
GAR	153.17 81 ePKPd	25	06.50	0.1
	e	26	12.00	
	e	28	52.00	
MAT	153.94 273 iPKPc	25	05.70	-1.7
NDI	154.38 108 iPKPd	25	08.50	0.3
GKN	159.22 119 PKP	25	13.58	-0.9
	1.3s 89.00nm			
PKI	159.45 121 PKP	25	13.56	-1.4
	1.2s 116.00nm			
KKN	159.51 120 PKP	25	13.98	-0.9
	1.1s 47.00nm			
GUN	159.98 121 PKP	25	14.98	-0.6
	1.2s 69.00nm			
MDJ	161.41 292 ePKP	25	14.00	-2.0X
SHL	161.78 138 iPKP	25	17.00	-0.2
CN2	164.46 291 ePKP	25	15.50	-3.6X
Z	26s 1.00um			
	ePKP	25	33.00	
	PKPob	26	11.00	
	PP	29	57.00	
	eSS	50	23.00	
LSA	164.56 128 PKP	25	20.00	-0.2
KMI	165.00 171 PKPc	25	21.00	0.6
	PKPab	26	15.00	
SNY	165.98 283 ePKP	25	19.00	-1.4
NJ2	166.40 238 PKPd	25	18.50	-2.5X
GYA	166.42 186 PKP	25	21.40	0.0
	pPKP	25	31.00	
	PKPob	26	22.00	
	PP	30	06.40	
WMO	166.43 68 PKP	25	21.50	0.7
WHN	167.95 221 PKPd	25	22.00	-0.2
	PKPob	26	28.20	
CD2	170.83 172 PKP	25	24.20	0.3
	PP	30	37.00	
BJI	171.58 274 ePKP	25	22.50	-1.4
	ePP	30	34.00	
XAN	173.33 208 PKPd	25	24.00	-0.9
	PP	30	41.00	
TIY	173.90 250 iPKPd	25	24.00	-1.0
E	12s 0.28um			
	PP	30	47.50	
HHC	175.07 282 PKP	25	25.70	0.4
	PP	30	57.00	
GTA	175.80 97 PKPd	25	25.60	0.1
Z	28s 1.10um			
E	22s 1.00um			
	PKPob	27	05.70	
	PP	30	59.60	
	SKKS	37	42.00	
LZH	175.93 164 PKPd	25	26.00	0.3
Z	30s 0.47um			
E	20s 0.91um			
	pPKP	25	41.00	
	PKPob	27	03.00	
	PP	30	55.00	
	eSKKS	37	35.00	
BTO	176.27 280 ePKP	25	25.00	-0.5
	S.D. = 1.1 on 162 of 179 obs.			
* JUN 03, 1991 06h 10m 42.10±1.55s				
39.440 N ±26.5km 30.015 W ±22.9km				
DEPTH = 10.0km (geophysicist)				
4.5mb (3 obs.)				
AZORES ISLANDS (405)				
PICO	1.55 127 iPd	11	09.60	-0.3
	iS	11	28.30	
MAL	20.32 90 eP	15	22.00	1.1
KBA	32.15 62 eP	17	11.00	-1.0
	1.1s 9.30nm			4.6mb
MBC	51.94 342 eP	19	53.00	0.3

	1.5s 16.00nm	4.7mb
YKA	53.54 325 eP	20 04.60 -0.1
	1.2s 1.70nm	3.9mb
	S.D. = 1.1 on 5 of 5 obs.	
* JUN 03, 1991 06h 19m 04.44±0.66s		
39.532 N ±15.2km 29.792 W ±8.3km		
DEPTH = 10.0km (geophysicist)		
4.5mb (10 obs.)		
AZORES ISLANDS (405)		
PICO	1.48 134 iPd	19 30.60 -0.6
	eS	19 49.10
MAL	20.14 90 eP	23 46.00 4.6X
EPF	22.85 71 eP	24 11.20 2.3
	1.5s 20.90nm	4.4mb
TCF	24.28 63 eP	24 22.30 -0.4
	1.0s 6.00nm	4.2mb
SMF	25.43 63 eP	24 33.90 0.2
	1.3s 19.85nm	4.6mb
CDF	27.88 59 eP	24 54.00 -2.3
	1.2s 11.90nm	4.5mb
OBN	45.83 47 eP	27 29.00 1.0
	1.8s *****nm	8.4mb X
MBC	51.91 342 eP	28 14.50 -0.3
	1.5s 16.00nm	4.7mb
YKA	53.56 325 eP	28 26.60 -0.6
	1.2s 1.80nm	3.9mb
SES	55.78 310 eP	28 43.00 -0.7
ANMO	59.47 292 P	29 10.90 0.8
	0.9s 3.36nm	4.5mb
ALO	59.47 292 eP	29 11.00 0.9
	1.0s 2.00nm	4.2mb
PV09	59.65 297 P	29 11.70 0.2
NEW	60.28 310 P	29 14.40 -0.9
	1.1s 15.43nm	5.0mb
DUG	61.35 300 P	29 23.00 0.2
TNP	65.37 300 P	29 49.50 0.1
	1.0s 4.50nm	4.6mb
	S.D. = 1.1 on 15 of 16 obs.	
* JUN 03, 1991 06h 37m 20.84±1.12s		
39.790 N ±27.8km 29.873 W ±6.7km		
DEPTH = 10.0km (geophysicist)		
4.8mb (13 obs.)		
AZORES ISLANDS (405)		
MAL	20.21 91 eP	41 59.00 0.5
EPF	22.83 72 eP	42 26.50 1.4
	1.6s 31.10nm	4.6mb
LSF	23.75 64 eP	42 38.90 5.0X
	1.4s 30.50nm	4.7mb
TCF	24.22 64 eP	42 36.40 -2.1
	1.2s 11.90nm	4.4mb
SMF	25.37 63 eP	42 47.90 -1.6
	1.4s 26.15nm	4.7mb
KBA	31.89 62 iPd	43 48.70 0.2
	1.1s 10.50nm	4.7mb
KRA	36.12 57 eP	44 25.10 0.5
KAF	40.16 37 eP	44 58.90 0.6
MLR	40.75 63 eP	45 09.00 5.5X
OBN	45.70 47 eP	45 44.00 0.6
	1.5s *****nm	8.3mb X
FFC	48.96 313 ePc	46 10.00 1.0
	1.3s 19.00nm	5.0mb
MBC	51.64 342 eP	46 30.00 0.8
	1.5s 19.00nm	4.8mb
YKA	53.32 325 eP	46 40.90 -0.9
	1.3s 2.40nm	4.0mb
SES	55.56 310 eP	46 58.00 -0.5
GLD	56.20 296 P	47 04.50 1.0
	1.0s 20.00nm	5.1mb
ANMO	59.31 292 P	47 25.50 0.1
	1.3s 8.17nm	4.7mb
PV09	59.48 297 P	47 26.40 -0.3
NEW	60.07 310 P	47 29.80 -0.5
	1.0s 13.50nm	5.0mb
DUG	61.16 300 P	47 37.70 -0.3
	0.8s 7.50nm	4.9mb
TNP	65.19 300 P	48 04.00 -0.6
	1.3s 13.78nm	5.0mb
	S.D. = 1.0 on 18 of 20 obs.	
* JUN 03, 1991 07h 52m 16.31±4.34s		
17.275 S ±53.6km 70.947 W ±25.9km		
DEPTH = 33.0km (normol)		
NEAR COAST OF PERU (115)		

ARE	0.96 327 iPc	52 33.80 0.0
	iS	52 47.50
LPB	2.83 75 Pc	53 00.50 0.0
	S	53 34.00
CNCB	2.88 81 P	53 02.50 1.1
	S	53 37.00
ZOBO	2.88 70 iPc	53 00.90 -0.6
	S	53 34.00
CCH	4.59 92 P	53 25.00 -0.5
SIV	9.55 84 P	54 27.40 -7.3X
	S.D. = 1.0 on 5 of 6 obs.	
* JUN 03, 1991 08h 31m 20.05±1.19s		
42.126 N ±7.5km 19.239 E ±12.3km		
DEPTH = 10.0km (geophysicist)		
YUGOSLAVIA (383)		
ML 1.2 (TTG).		
ULC	0.16 177 iPg	31 23.84 0.0
	iSg	31 26.87
TTG	0.30 3 iPg	31 26.42 0.1
	iSg	31 31.57
BDV	0.34 297 iPg	31 27.65 0.5
	iSg	31 33.59
HCY	0.64 301 iPg	31 32.25 -0.6
	iSg	31 43.09
	S.D. = 0.8 on 4 of 4 obs.	
* JUN 03, 1991 08h 36m 53.25±0.86s		
48.880 N ±14.3km 151.652 E ±17.4km		
DEPTH = 33.0km (normol)		
4.4mb (5 obs.)		
KURIL ISLANDS (221)		
KUSJ	7.53 222 eP	38 42.30 -1.2
	eS	39 58.90
ASAJ	7.83 236 eP	38 55.50 7.9X
HOJ	8.75 225 eP	39 00.30 0.0
	eS	40 31.60
MAT	15.77 224 eP	40 36.00 1.6
FBA	35.14 40 eP	43 45.70 0.4
	0.7s 1.50nm	4.0mb
YKA	49.82 37 eP	45 43.50 -0.9
	0.4s 5.00nm	4.9mb
GUN	53.88 272 P	46 15.50 -0.3
KKN	54.35 273 P	46 19.00 -0.2
PKI	54.42 272 P	46 19.20 -0.6
GKN	54.64 273 P	46 21.20 0.0
	0.4s 13.00nm	5.3mb
NB2	65.89 340 P	47 38.20 0.8
	0.5s 0.50nm	3.9mb
HFS	66.11 338 eP	47 39.00 0.2
	0.4s 1.20nm	4.3mb
	S.D. = 0.9 on 11 of 12 obs.	
* JUN 03, 1991 09h 32m 38.80±0.79s		
27.467 N ±10.4km 110.753 E ±8.9km		
DEPTH = 10.0km (geophysicist)		
4.4mb (2 obs.)		
EASTERN CHINA (664)		
ML 3.8 (BJI).		
GYA	3.79 256 Pn	33 40.60 2.0
	Sn	34 24.80
	Sg	34 41.40
WHN	4.40 45 Pnd	33 50.00 2.9
	Sn	34 42.50
GZH	4.95 151 ePn	33 53.80 -1.1
	Sn	34 50.40
XAN	6.74 347 Pn	34 19.40 -0.8
	Sn	35 35.10
CD2	7.01 301 Pn	34 23.60 -0.5
	Sn	35 40.40
KMI	7.56 254 ePn	34 33.20 1.3
NJ2	8.39 55 Pd	34 50.00 6.7X
	S	36 18.50
CN2	20.15 32 eP	37 15.30 -0.6
GUN	22.02 277 P	37 34.60 -1.0
PKI	22.47 276 P	37 40.10 0.1
KKN	22.56 277 P	37 40.00 -0.8
GKN	23.11 277 P	37 46.50 0.4
HFS	69.97 328 ePKP	43 51.20 -0.9
	0.4s 1.40nm	4.4mb
NB2	70.78 329 P	43 56.10 -1.0
	0.6s 1.50nm	4.3mb
	S.D. = 1.4 on 13 of 14 obs.	

03d 09h

% JUN 03, 1991 09h 44m 55.24 ± 1.99s
 39.362 N ± 8.4km 28.051 E ± 23.2km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.1 (ISK).

EDC 0.99 352 iPn 45 14.00 -0.1
 BNT 1.00 354 iPn 45 14.40 0.2
 IZM 1.14 213 iPn 45 16.80 0.1
 KGT 1.23 332 iPn 45 18.90 0.8
 EZN 1.41 290 ePn 45 20.70 -0.2
 MFT 1.54 338 ePn 45 22.00 -0.9
 S.D. = 0.7 on 6 of 6 obs.

JUN 03, 1991 10h 01m 31.90 ± 0.55s
 41.690 N ± 5.0km 27.864 E ± 5.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.8 (ISK).

DMK 0.15 329 iPg 01 34.50 -1.0
 CTT 0.69 142 iSg 01 45.00 -0.5
 MFT 1.00 206 iPg 01 51.10 0.1
 ISK 1.09 124 iPg 01 52.00 -0.4
 JMB 1.23 310 iPg 01 55.00 0.2
 KGT 1.31 199 iPn 01 55.60 -0.5
 BNT 1.33 178 iPn 01 56.40 -0.1
 EDC 1.34 180 iPn 01 57.00 0.4
 GBZT 1.49 127 ePn 01 59.80 1.0
 KDZ 1.83 270 iPc 02 04.00 0.3
 RZN 2.36 271 iPd 02 11.00 -0.4
 PVL 2.42 310 iPc 02 13.00 1.0
 MMB 3.10 270 eP 02 30.00 8.2X
 S.D. = 0.7 on 12 of 13 obs.

JUN 03, 1991 10h 22m 40.44 ± 0.21s
 40.048 N ± 4.1km 42.859 E ± 2.5km
 DEPTH = 27.8km (6 depth phases)
 5.0mb (64 obs.) 4.4MsZ (9 obs.)
 TURKEY (366)

CENTROID, MOMENT TENSOR

Data Used: GDSN

L.P.B.: 14S, 21C

Centroid Location:

Origin Time 10:22:43.8 1.6

Lat 40.22N 0.15 Lon 42.82E 0.13

Dep 15.0 FLX Half-duration 1.6

Moment Tensor; Scale 10**16 Nm

Mrr=-1.57 0.47 Mtl=-3.92 0.69

Mff= 5.49 0.44 Mtl= 0.00 0.00

Mrf= 0.00 0.00 Mtf=-4.09 0.47

Principal Axes:

T Val= 7.02 Plg= 0 Azm=249

N -1.57 90 180

P -5.45 0 159

Best Double Couple: Mo=6.2*10**16

NP1: Strike=294 Dip=90 Slip=-180

NP2: 24 90 0

TAB 3.35 125 iPc 23 38.40 6.2X
 GAZ 5.27 239 ePn 23 58.50 -0.9
 KVT 5.29 283 ePn 24 01.00 1.3
 KER 6.62 148 eP 24 25.00 6.5X
 KAS 7.03 284 eP 24 25.00 0.7
 IR7 7.51 123 eP 24 32.00 1.0
 IR1 7.74 124 eP 24 35.00 0.8
 IR5 7.80 126 eP 24 37.00 1.9
 IR4 7.98 124 eP 24 39.00 1.4
 BHL 8.41 225 P 24 41.00 -2.6
 CSS 9.11 239 eP 24 54.00 0.9
 GLH 9.34 221 eP 24 56.80 0.5
 EYL 9.72 277 eP 25 03.10 1.5
 PPCY 9.82 242 e(P) 25 02.50 -0.3
 HRT 10.09 279 eP 25 07.90 1.3
 JVI 10.13 219 eP 25 06.50 -0.6
 DSI 10.41 218 eP 25 11.20 0.3
 ISK 10.55 280 eP 25 14.00 1.1
 ELL 10.68 256 eP 25 16.40 1.6
 KGT 11.90 277 eP 25 31.00 -0.2
 HOL 12.52 213 iPd 25 41.30 1.8
 EZN 12.70 274 eP 25 41.70 -0.2
 VRI 13.16 302 ePd 25 46.50 -1.6

RDO 13.21 280 eP 25 50.00 1.3
 KDZ 13.31 283 iP 25 50.00 0.0
 PVL 13.49 289 iPc 25 54.00 1.7
 CVO 13.51 301 eP 25 43.50 -9.2X
 MLR 13.56 299 eP 25 55.00 1.6
 MAIO 13.61 101 eP 25 54.00 -0.1
 1.0s 15.00nm 4.8mb
 RZN 13.83 283 eP 26 05.00 7.9X
 MTUR 14.08 297 eP 26 10.00 9.8X
 NPS 14.47 256 eP 26 04.50 -0.8
 COZ 14.59 297 eP 25 51.50 -15.5X
 SRS 14.68 280 ePd 26 09.28 1.2
 PAIG 14.71 276 ePd 26 08.32 0.0
 SOH 14.88 279 ePd 26 14.40 3.8X
 VTS 14.98 286 iP 26 14.00 1.9
 DHR 14.99 154 eP 26 25.00 12.9X
 KKB 15.05 283 iPc 26 14.00 1.1
 THE 15.19 279 ePd 26 20.36 5.8X
 KNT 15.21 281 ePd 26 16.16 1.3
 VAY 15.45 281 iP 26 18.70 0.7
 1.2s 50.00nm 4.6mb
 GRG 15.59 280 iPd 26 25.00 5.1X
 LIT 15.60 277 ePd 26 23.72 3.8X
 RYD 15.61 167 iP 26 17.00 -3.2X
 OBN 15.63 347 iPd 26 18.60 -1.6
 BMR 15.88 305 ePc 26 29.00 5.5X
 VLI 15.97 264 eP 26 25.00 0.3
 KZN 16.12 278 eP 26 30.00 3.3X
 SKO 16.28 284 eP 26 28.00 -0.7
 FNA 16.38 280 ePd 26 31.96 2.0
 OHR 16.79 281 iP 26 36.70 1.5
 1.5s 205.00nm 5.0mb
 PSZ 18.26 303 iP 26 53.80 0.4
 SPC 18.45 307 eP 26 54.40 -1.5
 BUD 18.70 301 eP 26 58.70 -0.1
 UZD 18.80 298 eP 27 00.20 0.3
 KRA 18.96 309 ePc 26 59.30 -2.6
 Z 16s 1.30um
 N 16s 1.10um
 LCI 19.02 279 P 26 59.00 -3.6X
 SRO 19.25 302 iP 27 06.70 1.3
 KMSA 19.66 175 iP 27 09.30 -1.0
 ZST 20.14 302 iP 27 14.50 -0.5
 ORI 20.20 279 P 27 15.10 -0.6
 TDS 20.34 277 P 27 16.40 -0.8
 CSI 20.36 278 P 27 16.20 -1.2
 ZAG 20.45 295 iP 27 17.50 -0.8
 PTJ 20.48 295 eP 27 17.50 -1.2
 MMN 20.57 278 P 27 19.20 -0.3
 CZI 20.58 276 P 27 19.20 -0.4
 VKA 20.66 302 i(P) 27 23.90 3.5X
 2.4s 233.00nm 5.1mb
 SOI 20.88 273 P 27 20.90 -1.8
 VBY 20.93 294 eP 27 23.50 0.3
 SGO 20.99 280 Pd 27 23.30 -0.5
 GAR 21.18 84 ePc 27 26.00 0.0
 ATN 21.32 274 P 27 25.80 -1.4
 KSP 21.42 309 iPc 27 27.90 -0.2
 1.2s 68.00nm 4.9mb
 LJU 21.48 296 eP 27 29.00 0.2
 DUI 21.51 284 P 27 29.30 0.1
 CEY 21.53 295 e(P) 27 29.10 -0.2
 VOY 21.93 295 eP 27 33.20 -0.2
 MNO 21.96 274 P 27 36.60 2.7
 TRI 21.99 294 eP 27 34.40 0.6
 PRU 22.23 306 eP 27 36.00 -0.2
 1.4s 40.00nm 4.7mb
 Z 11s 0.90um 4.4MsZ
 N 18s 1.30um

E 18s 0.70um
 e 27 55.00 88kmX
 S 28 50.00
 S 31 46.00
 AQU 22.24 286 P 27 37.40 1.0
 KBA 22.42 298 iPc 27 38.90 0.5
 1.4s 75.70nm 5.0mb
 i 27 45.90 25km
 e 30 38.00
 GIB 22.46 274 P 27 37.60 -1.1
 ARV 22.52 289 P 27 39.10 -0.1
 KHC 22.63 303 iPc 27 40.10 -0.1
 1.2s 50.00nm 4.9mb
 Z 14s 0.50um 4.1MsZ
 N 14s 0.50um
 E 14s 0.50um
 e 27 48.00 28km
 FVI 22.75 297 P 27 42.50 1.2
 MNS 22.77 286 P 27 41.70 0.1
 BRG 22.84 308 eP 27 43.10 0.9
 1.2s 32.00nm 4.7mb
 e 32 12.00
 FAI 22.91 272 P 27 45.20 2.2
 USI 22.94 276 P 27 42.20 -1.1
 WET 23.08 303 eP 27 44.50 -0.1
 1.3s 94.00nm 5.1mb
 SFI 23.30 290 Pd 27 48.30 1.6
 PGD 23.39 290 P 27 50.70 2.8
 NUR 23.40 337 iP 27 48.40 0.9
 1.0s 52.00nm 5.0mb
 i 27 56.00 27km
 CTI 23.49 295 Pd 27 49.60 0.9
 CLL 23.54 309 iP 27 49.80 0.8
 1.6s 98.00nm 5.1mb
 WTTA 23.60 298 eP 27 50.00 0.1
 1.5s 192.00nm 5.4mb
 i 27 50.40 1kmX
 i 28 00.30
 WATA 23.65 298 iPd 27 50.90 0.6
 1.4s 188.00nm 5.4mb
 i 27 58.50 27km
 SOTA 23.89 298 iPc 27 53.00 0.5
 1.1s 156.00nm 5.5mb
 i 28 00.20 26km
 BSD 23.91 318 iPc 27 52.70 0.2
 1.1s 33.00nm 4.8mb
 MME 24.12 290 Pd 27 57.40 2.4
 BDI 24.20 290 P 27 57.50 1.9
 MOX 24.21 306 eP 27 57.00 1.5
 1.4s 31.00nm 4.7mb
 Z 14s 0.60um 4.2MsZ
 N 18s 0.80um
 E 17s 0.60um
 eS 32 27.00
 GRF 24.25 304 iPc 27 57.50 1.6
 Z 20s 0.40um 3.9MsZ
 PII 24.27 289 P 27 57.70 1.6
 KAF 24.27 341 iP 27 56.20 0.2
 0.6s 7.00nm 4.4mb
 MDI 24.83 294 P 28 02.50 1.0
 BOB 25.01 292 P 28 04.70 1.3
 UPP 25.35 330 iP 28 05.60 -0.7
 KSH 25.39 81 P 28 09.00 1.9
 E 12s 1.90um
 PGF 25.47 287 eP 28 06.90 -0.8
 1.1s 34.20nm 4.9mb
 VAI 25.49 294 P 28 07.50 -0.2
 SBF 26.49 290 eP 28 16.60 -0.6
 1.1s 43.95nm 5.0mb
 DOI 26.59 291 P 28 16.60 -1.5
 CDF 26.64 300 eP 28 16.80 -1.7
 LPG 26.90 294 eP 28 20.20 -1.0
 1.5s 62.70nm 5.0mb
 LPL 26.92 294 eP 28 20.20 -1.0
 1.0s 22.00nm 4.7mb
 BNI 26.97 293 Pd 28 20.90 -0.7
 HFS 27.08 328 eP 28 21.00 -1.3
 0.8s 31.70nm 5.0mb
 Z 17s 0.90um 4.4MsZ
 LR 37 46.00
 FRF 27.09 289 eP 28 21.50 -1.0
 1.3s 43.30nm 4.9mb
 HAU 27.23 299 eP 28 22.40 -1.4
 Z 21s 0.50um 4.1MsZ
 LRG 27.30 289 eP 28 23.90 -0.6
 1.4s 43.55nm 4.9mb
 Z 21s 0.75um 4.2MsZ

WTS	27.45 308 ePc	28 27.50 1.8	1.5s	51.00nm	5.3mb	MD 2.8 (ISK).			
	1.0s 27.00nm	4.9mb	TIY	52.93 69 eP	31 54.40 -2.0	EYL	0.23 150 iPg	47 03.90 -0.4	
ENN	27.78 305 eP	28 44.00 70kmX	Z	24s 0.54um	4.5mszX	HRT	0.26 282 iPg	47 04.40 -0.5	
	1.3s 50.00nm	5.1mb	N	15s 0.50um	S	GBZT	0.43 273 ePg	47 07.60 -0.4	
DOU	28.54 303 P	28 37.10 1.5	GYA	54.00 84 P	32 03.60 -0.9		iSg	47 14.00	
NB2	28.61 328 P	28 33.70 -2.4	TIC	54.19 245 P	32 03.14 -2.7	IZI	0.59 224 iPg	47 10.40 -0.9	
	0.8s 5.60nm	4.3mb		1.2s 29.00nm	5.2mb		eSg	47 19.40	
LBF	28.81 297 eP	28 36.30 -1.8	KIC	54.20 245 P	32 03.34 -2.5	ISK	0.78 293 iPg	47 13.90 -0.5	
	1.6s 37.30nm	4.9mb		1.2s 26.00nm	5.2mb		iSg	47 24.90	
SOD	28.82 347 eP	28 37.00 -0.9	YAK	54.20 35 iPd	32 04.70 -0.6	CTT	1.25 288 iPn	47 22.40 -0.2	
LOR	28.89 297 eP	28 37.10 -1.7		e	32 18.00 48kmX	DST	1.57 223 ePn	47 28.50 1.2	
	1.3s 23.45nm	4.7mb		e	32 30.00	BNT	1.64 256 ePn	47 29.00 0.7	
Z	22s 0.35um	3.9msz		e	32 48.00	DMK	1.99 303 ePn	47 34.00 0.6	
SMF	28.91 296 eP	28 37.40 -1.5		e	34 58.00	KGT	2.08 262 ePn	47 35.00 0.3	
	1.5s 33.95nm	4.8mb	LIC	54.49 245 P	32 05.44 -2.6	S.D. = 0.8 on 10 of 10 obs.			
SSF	29.13 297 eP	28 39.40 -1.5	Z	20s 0.22um	4.2msz	JUN 03, 1991 11h 02m 51.60±0.91s			
AVF	29.24 297 eP	28 40.50 -1.4	BJI	54.56 65 P	32 08.50 0.3	40.733 N ± 7.0km 29.995 E ± 7.2km			
	1.6s 46.65nm	5.0mb		1.0s 11.00nm	4.8mb	DEPTH = 10.0km (geophysicist)			
MAF	29.80 295 eP	28 45.60 -1.4	CN2	59.09 57 eP	32 40.00 -0.4	TURKEY (366)			
	1.0s 13.00nm	4.7mb	Z	20s 1.50um	5.1msz	MD 3.2 (ISK).			
TCF	30.04 296 eP	28 47.90 -1.3	N	15s 0.30um		EYL	0.21 143 iPg	02 55.90 -0.3	
	1.3s 14.45nm	4.6mb	E	15s 0.30um	eS	HRT	0.26 290 iPg	02 57.40 0.2	
NDI	30.37 101 iPd	28 52.00 -0.1	SSE	62.45 71 Pc	33 02.70 -0.7	GBZT	0.42 278 iPg	02 59.90 -0.3	
LSF	30.52 296 eP	28 51.80 -1.5		1.0s 12.00nm	5.0mb		iSg	03 05.80	
KEV	30.92 349 eP	28 54.00 -2.6	Z	20s 0.60um	4.8msz	IZI	0.56 225 iPg	03 02.50 -0.5	
	Z 16s 2.00um	4.9mszX	N	12s 0.30um	eS	ISK	0.78 295 iPg	03 06.40 -0.4	
GRR	32.05 300 eP	29 05.10 -1.6		eS	41 30.00		iSg	03 17.40	
	1.1s 34.20nm	5.2mb	FRB	63.29 332 eP	33 02.00 -6.5X	CTT	1.26 290 iPn	03 14.90 -0.1	
LPF	32.19 299 eP	29 06.20 -1.7	MBC	63.43 355 eP	33 09.50 0.2	DST	1.54 223 iPn	03 19.00 -0.1	
	1.5s 57.45nm	5.3mb		0.9s 6.00nm	4.7mb	BNT	1.63 257 iPn	03 20.80 0.4	
WMO	33.26 69 P	29 17.90 0.5	SLR	66.84 194 eP	33 31.00 -1.0	EDC	1.67 257 iPn	03 21.00 0.0	
	1.0s 20.00nm	5.0mb	BRW	68.07 7 e(P)	33 39.70 0.7	ALT	1.68 177 ePn	03 20.90 -0.3	
Z	16s 0.70um	4.5mszX	BLF	70.53 195 eP	33 52.80 -2.0	DMK	2.01 304 iPn	03 26.00 0.1	
E	10s 0.60um		MAT	71.20 58 eP	33 57.00 -1.8	MFT	2.06 272 ePn	03 27.00 0.2	
	pP	29 22.50 16kmX		1.2s 15.63nm	5.0mb	KGT	2.07 263 ePn	03 26.80 0.0	
	pP	29 28.20	INK	71.93 359 eP	34 02.00 -0.6	KHL	2.43 189 ePn	03 33.00 0.9	
	PP	30 26.00	HVD	72.12 196 e(P)	33 59.50 -4.8X	KAS	2.92 76 ePn	03 45.00 6.0X	
	S	34 39.80	IMA	73.44 7 eP	34 12.00 0.3	S.D. = 0.4 on 14 of 15 obs.			
EKA	33.84 312 Pd	29 21.60 -0.7		1.8s 61.40nm	5.3mb	? JUN 03, 1991 11h 26m 10.90±7.68s			
	1.6s 60.00nm	5.3mb	FBA	75.06 5 eP	34 21.60 0.8	40.685 N ± 4.52km 26.568 E ± 44.8km			
TOL	35.62 285 iPc	29 36.50 -1.2		1.0s 27.50nm	5.2mb	DEPTH = 10.0km (geophysicist)			
	1.3s 76.92nm	5.5mb	YKA	76.21 349 eP	34 26.50 -0.9	TURKEY (366)			
GKN	36.34 96 P	29 43.96 -0.1		1.4s 9.30nm	4.6mb	MD 3.2 (ISK).			
KKN	36.94 96 Pc	29 48.92 -0.2	TOA	77.94 4 eP	34 38.00 0.9	KDZ	1.30 318 iPd	26 35.00 0.1	
	0.9s 29.00nm	5.1mb	SVW	78.07 9 eP	34 38.90 1.1		iS	26 54.00	
PKI	37.15 96 Pc	29 50.98 -0.1		1.3s 69.81nm	5.5mb	RZN	1.72 306 eP	26 41.00 -0.2	
	1.1s 102.00nm	5.6mb	PMR	78.24 6 eP	34 38.80 0.2		iS	27 02.00	
GUN	37.34 95 P	29 52.78 0.1		1.3s 28.40nm	5.1mb	MMB	2.33 294 eP	26 50.00 0.1	
	1.0s 115.00nm	5.7mb	RSD	79.03 8 P	34 43.60 0.3		eS	27 19.00	
HYB	38.20 116 eP	30 01.00 1.4	BALM	79.18 3 P	34 43.80 -0.2	PGB	2.59 317 eP	26 59.00 5.4X	
	1.0s 25.00nm	5.0mb	FFC	80.91 340 eP	34 53.00 -0.2		iS	27 31.00	
GBA	40.15 121 Pc	30 15.30 -0.5		1.7s 55.00nm	5.3mb	PVL	2.69 340 eP	26 55.00 0.0	
	0.6s 5.30nm	4.5mb	SES	87.06 344 eP	35 24.00 -0.6	KKB	2.88 295 eP	27 00.00 2.3X	
LSA	40.51 89 P	30 20.00 0.8	NEW	90.29 347 P	35 41.50 1.6		iS	27 35.00	
AKU	42.47 328 eP	30 36.10 1.9		1.3s 18.87nm	5.2mb	VTS	3.16 308 eP	27 07.00 5.3X	
	0.9s 13.45nm	4.7mb	DUG	97.11 341 P	36 14.00 2.5		iSg	27 48.00	
IRK	43.03 52 eP	30 37.77 -1.2	PV09	97.73 338 P	36 17.00 2.5	S.D. = 0.3 on 4 of 7 obs.			
GTA	43.15 72 eP	30 41.10 0.8	S.D. = 1.3 on 173 of 191 obs.				* JUN 03, 1991 12h 01m 13.42±0.77s		
	1.2s 10.00nm	4.4mb	* JUN 03, 1991 10h 34m 05.92±1.97s				5.762 S ± 12.0km 145.510 E ± 10.9km		
Z	18s 0.60um	4.5msz	24.752 N ± 14.3km 122.630 E ± 16.6km				DEPTH = 107.6 ± 8.9 km		
E	12s 0.40um		DEPTH = 33.0km (normol)				5.2mb (6 obs.)		
	PP	32 23.60	4.3mb (1 obs.)				EAST PAPUA NEW GUINEA REGION (207)		
	eS	37 08.00	TAIWAN REGION (243)				MDG	0.58 28 iPc	01 30.50 -0.2
LZH	47.36 74 eP	31 14.50 0.5	TWC	0.73 259 iPd	34 21.20 1.5	YYYY	0.66 136 iPd	01 30.50 -1.1	
	1.2s 26.00nm	5.1mb	TWZ	1.01 290 iPc	34 23.50 -0.4	LAT	1.73 121 iPd	01 43.20 -0.1	
Z	25s 0.74um	4.6mszX	ANP	1.10 293 eP	34 25.50 0.4	MNDI	1.88 258 eP	01 48.00 2.5	
N	12s 0.45um			eS	34 36.00		eS	02 15.00	
CD2	49.57 81 P	31 31.20 0.1	TWD	1.16 235 iPc	34 26.10 0.3	PMC	3.97 156 iPd	02 11.60 -1.8	
	S	38 42.00		eS	34 38.70		eS	02 55.00	
BTO	50.03 66 eP	31 34.00 -0.5	TWO	1.70 254 eP	34 32.00 -1.8	VSG	14.50 105 eP	04 37.00 2.3	
	N 15s 0.40um		TWF1	1.85 221 eP	34 36.70 0.8	WB2	17.79 217 eP	05 14.40 -1.3	
HHC	51.02 65 P	31 43.20 1.2	TKW	2.45 233 eP	34 43.80 -0.8		0.3s 11.10nm	4.6mb	
	1.2s 22.00nm	5.0mb	WB2	45.87 165 eP	42 26.90 -0.1	RMO	20.84 172 eP	05 50.00 1.6	
Z	18s 1.30um	5.0msz	S.D. = 1.2 on 8 of 8 obs.				STK	26.24 188 iPc	06 43.60 3.4X
XAN	52.00 74 Pc	31 48.70 -0.7	JUN 03, 1991 10h 46m 59.29±1.35s					0.5s 2.80nm	4.1mb X
	N 14s 0.70um		40.767 N ± 9.9km 30.005 E ± 10.3km					e	07 44.70
CHG	52.33 97 eP	31 52.80 0.7	DEPTH = 10.0km (geophysicist)					e	09 13.60
LKO	52.57 248 P	31 51.48 -2.4	TURKEY (366)				WARB	27.15 220 eP	06 49.00 0.4
							GUN	66.50 304 P	11 54.06 -0.3

03d 12h

PKI 0.7s 27.00nm 5.3mb
66.77 303 P 11 55.38 -0.7
0.8s 20.00nm 5.1mb
KKN 66.95 303 P 11 56.60 -0.5
0.8s 26.00nm 5.2mb
GKN 67.56 303 P 12 00.22 -0.6
0.8s 23.00nm 5.1mb
SNA 101.05 191 iPd 14 54.00 2.1X
0.9s 33.61nm 6.0mb
ZOBO 140.17 124 PKP 20 46.00 13.1X
SIV 145.95 130 PKP 20 25.80 -16.4X
LKO 151.12 279 PKP 20 56.76 6.5X
0.6s 9.50nm
S.D. = 1.5 on 13 of 18 obs.

JUN 03, 1991 12h 30m 41.21± 0.72s
37.066 N ± 7.5km 29.395 E ± 5.6km
DEPTH = 5.0km (geophysicist)

TURKEY (366)
MD 3.7 (ISK).

ELL 0.52 127 iPg 30 50.90 -0.7
iSg 30 59.40
YER 0.89 275 iPn 30 58.60 -0.2
BCK 1.03 67 iPn 31 01.90 0.7
CIN 1.17 297 eP 31 03.00 -0.5
KHL 1.26 5 ePn 31 05.10 0.0
ARG 1.33 231 ePn 31 07.00 0.8
eSn 31 30.00
S.D. = 0.8 on 6 of 6 obs.

? JUN 03, 1991 13h 26m 51.56± 3.99s
4.338 S ± 44.9km 142.125 E ± 18.7km
DEPTH = 111.3 ± 40.5 km
4.8mb (1 obs.)

PAPUA NEW GUINEA (202)

MNDI 2.36 140 eP 27 30.00 -0.1
LAT 5.37 116 iPd 28 10.70 0.0
MTN 13.76 231 eP 30 03.50 0.3
0.3s 67.00nm 5.4mb X
OIS 16.31 188 iPc 30 36.10 0.7
WB2 17.26 205 iPd 30 46.30 -0.9
0.3s 17.60nm 4.8mb
e 31 23.60
S.D. = 1.2 on 5 of 5 obs.

% JUN 03, 1991 14h 30m 22.48± 0.91s
39.139 N ± 6.9km 27.509 E ± 13.2km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.4 (ISK).

IZM 0.76 195 iPg 30 37.40 0.0
iSg 30 49.40
DST 0.98 61 iPn 30 41.40 0.2
EDC 1.24 13 ePn 30 45.00 -0.5
BNT 1.26 14 iPn 30 45.70 -0.1
KGT 1.32 353 iPn 30 47.30 0.4
S.D. = 0.5 on 5 of 5 obs.

% JUN 03, 1991 14h 35m 29.69± 0.89s
41.179 N ± 12.3km 28.802 E ± 6.2km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.3 (ISK).

ISK 0.22 120 ePg 35 34.40 -0.1
CTT 0.28 264 iPg 35 35.30 -0.3
HRT 0.75 118 ePg 35 44.40 0.1
DMK 1.01 310 ePn 35 49.00 0.1
KGT 1.35 238 ePn 35 54.80 0.3
S.D. = 0.3 on 5 of 5 obs.

& JUN 03, 1991 14h 54m 16.02s
60.272 N 151.981 W
DEPTH = 76.0km
KENAI PENINSULA, ALASKA (14)
<AIC>.

RDT 0.37 325 iPd 54 27.56 -1.0
eS 54 37.04
REF 0.42 302 iPd 54 28.30 -0.8
eS 54 38.13
RED 0.42 291 iPd 54 28.22 -0.8
RSO 0.43 297 iPd 54 28.45 -0.8
iS 54 38.46

RS2 0.43 297 iPd 54 28.47 -0.8
iS 54 38.43
RDN 0.46 302 ePd 54 28.45 -0.9
iS 54 38.43
RDW 0.46 298 ePd 54 28.72 -0.8
iS 54 38.81
DFR 0.47 313 iPd 54 28.63 -0.8
eS 54 38.70
NCT 0.55 302 ePd 54 29.58 -0.6
eS 54 40.53
NKA 0.60 38 ePc 54 31.18 0.7
HOM 0.64 164 iPd 54 30.35 -0.5
eS 54 42.09
XLV 0.83 171 ePd 54 31.90 -1.2
CNPM 0.84 153 iPd 54 32.16 -1.0
eS 54 44.67
SLKM 0.91 74 eP 54 32.45 -1.5
eS 54 46.55
CKL 0.94 349 ePc 54 34.07 -0.5
eS 54 48.74
CRP 1.00 355 ePc 54 35.02 -0.3
eS 54 50.13
BGL 1.02 349 ePc 54 35.21 -0.2
CGLM 1.04 359 eP 54 35.32 -0.4
S 54 50.51
NCG 1.14 356 iPc 54 36.77 -0.2
AUE 1.15 218 eP 54 36.26 -0.8
AUH 1.17 220 eP 54 37.01 -0.3
AUI 1.19 218 eP 54 36.64 -0.9
eS 54 52.81

PDB 1.21 247 ePd 54 36.86 -0.9
eS 54 53.12
SEW 1.28 97 ePd 54 37.11 -1.5
SUA 1.34 26 ePc 54 39.04 -0.6
eS 54 57.57
PMS 1.54 50 ePc 54 41.52 -0.6
eS 54 59.44
CDD 1.59 213 ePc 54 41.97 -0.9
eS 55 02.72
SYI 1.68 187 eP 54 43.49 -0.5
PWA 1.72 36 eP 54 44.31 -0.2
SKT 1.73 7 eP 54 44.03 -0.7
PLRM 1.92 45 eP 54 45.70 -1.6
KNK 2.07 55 ePc 54 47.68 -1.7
LTI 2.08 95 ePc 54 47.00 -2.4
KNIM 2.11 86 ePc 54 46.89 -3.1
CUT 2.29 20 eP 54 51.85 -0.5
SML 2.35 47 eP 54 51.09 -2.2
KLU 3.21 65 ePc 55 02.46 -2.7
TOA 3.36 54 ePc 55 05.68 -1.6
SDG 3.83 51 eP 55 11.84 -2.0
PAX 4.12 46 eP 55 16.22 -1.8

40 obs. associated

? JUN 03, 1991 15h 36m 18.47± 5.73s
45.384 N ± 21.6km 6.545 E ± 37.9km
DEPTH = 10.0km (geophysicist)

FRANCE (538)
ML 2.5 (GEN).

BNI 0.34 164 P 36 25.00 -0.6
eSg 36 29.50
LSD 0.44 80 P 36 27.01 -0.4
S 36 32.24
RRL 0.49 160 P 36 28.65 0.1
S 36 35.21
RSP 0.55 115 P 36 29.02 0.1
S 36 37.47
BHB 0.74 137 P 36 32.89 -0.2
S 36 41.61
PZZ 0.96 156 P 36 37.47 0.6
S 36 49.56
ORX 1.04 76 P 36 38.49 0.3
S 36 51.76
S.D. = 0.5 on 7 of 7 obs.

JUN 03, 1991 16h 20m 25.35± 1.35s
6.394 S ± 7.0km 147.678 E ± 13.2km
DEPTH = 75.4 ± 9.7 km
4.8mb (11 obs.)

EAST PAPUA NEW GUINEA REGION (207)

LAT 0.72 249 eP 20 40.10 -1.0
YYYY 1.71 275 eP 20 55.10 1.3
MDG 2.20 301 iPd 21 03.10 2.6X
PMG 3.04 190 iPd 21 11.20 -0.9
eS 21 40.00

MNDI 4.00 273 eP 21 27.00 1.2
OIS 16.11 208 iPd 24 09.00 0.3
0.9s 21.00nm 4.3mb
WB2 18.68 223 iPd 24 38.00 -2.3
0.2s 17.10nm 4.9mb
eS 27 59.90
RMO 20.01 177 eP 24 54.00 -0.6
i 24 58.00
OLP 20.34 189 eP 24 57.00 -1.0
BRS 21.44 168 iPc 25 09.10 0.0
i 25 27.00
e 25 55.00

MNI 24.09 288 eP 25 36.50 1.4
COO 24.38 171 iPc 25 39.00 1.1
0.7s 38.00nm 4.9mb

CMS 25.02 184 eP 25 45.00 1.1
STK 25.99 192 iPd 25 57.20 4.4X
0.5s 7.60nm 4.5mb

BWA 27.90 179 eP 26 10.50 0.2
WARB 28.11 223 eP 26 13.00 0.8
0.4s 5.00nm 4.5mb

CAN 28.81 178 eP 26 19.60 1.1
MRWA 37.53 229 eP 27 34.60 0.7

MAT 43.62 349 eP 28 24.00 0.0
NJ2 47.08 326 P 28 52.00 0.5
CHG 54.16 299 eP 29 45.60 0.1

BJI 54.57 331 eP 29 47.50 -0.6
BTO 58.17 327 eP 30 13.40 -0.5
GTA 63.47 320 eP 30 49.80 -0.1

0.8s 10.00nm 4.8mb
GUN 68.64 303 P 31 22.90 -0.5
0.7s 20.00nm 5.1mb

PKI 68.92 303 P 31 24.22 -0.9
0.7s 7.00nm 4.7mb

KKN 69.10 303 P 31 25.28 -0.8
0.8s 14.00nm 5.0mb

GKN 69.71 303 P 31 28.88 -0.8
0.6s 14.00nm 5.0mb

GBA 72.49 286 P 31 45.10 -1.2
0.7s 5.30nm 4.6mb

WMO 73.53 319 eP 31 52.40 0.4
CNCB 137.87 124 PKP 39 47.00 2.3X

LPB 137.91 123 ePKP 39 54.00 9.4X
ZOBO 138.02 123 PKP 39 49.00 4.0X

SIV 143.88 128 PKP 39 55.80 1.2
LKO 153.34 278 PKP 40 18.54 9.1X
S.D. = 1.0 on 29 of 35 obs.

? JUN 03, 1991 16h 53m 22.52± 1.25s
29.069 N ± 10.6km 142.665 E ± 37.8km
DEPTH = 33.0km (normol)
4.2mb (2 obs.)

SOUTH OF HONSHU, JAPAN (211)

KAKJ 7.42 344 P 55 11.80 0.6
S 56 29.60

CHJJ 7.62 337 P 55 13.50 -0.5
eS 56 33.20

MAT 8.34 334 eP 55 23.00 -1.1
eS 56 51.00

MTMJ 8.54 333 P 55 28.00 1.1
YAMJ 9.34 347 P 55 37.80 -0.1

0.4s 1.10nm 4.2mb
OFUJ 10.02 356 P 55 47.10 -0.1
eS 57 31.40

WB2 49.38 190 iPc 02 11.00 0.0
0.2s 8.60nm 5.4mb X

e 03 35.50
STK 60.62 181 eP 03 38.70 6.3X

0.6s 1.20nm 4.2mb
HFS 81.78 337 eP 05 39.20 0.1

0.4s 1.10nm 4.2mb
ZOBO 148.97 72 PKP 13 18.00 12.2X

LPB 149.12 73 ePKP 13 28.00 22.2X
CNCB 149.35 73 PKP 13 16.00 9.6X

S.D. = 0.8 on 8 of 12 obs.

JUN 03, 1991 17h 03m 09.86± 0.67s
23.805 N ± 5.4km 121.828 E ± 8.4km
DEPTH = 21.0km (3 depth phases)
4.8mb (11 obs.)

TAIWAN (244)
ML 4.4 (BJI).

TWD 0.35 322 iPd 03 17.30 0.0
eS 03 21.50

TWF1	0.66	227	iPc	03	23.80	1.1	WARB	49.91	174	eP	12	02.00	-2.1	SHL	52.53	264	iP	17	12.60	-0.5	
			eS	03	33.70		STK	58.51	160	eP	13	11.10	4.1X				eS	26	11.00		
TWC	0.80	1	iPc	03	25.70	0.7		0.6s	1.70nm				4.3mb	CHG	53.38	252	ePd	17	19.10	0.1	
			eS	03	36.50		INK	73.36	22	eP	14	41.00	-0.6		0.9s	48.32nm				4.8mb	
TWZ	1.31	350	ePc	03	33.50	0.6	NB2	78.83	332	P	15	20.50	7.8X	SOD	54.16	337	iP	17	23.80	-0.3	
TWK	1.34	247	ePc	03	34.90	1.4		0.8s	1.90nm				4.2mb	GUN	54.53	271	P	17	27.34	-0.3	
ANP	1.40	349	eP	03	35.20	0.8	S.D. = 1.4 on 31 of 39 obs.								0.5s	269.00nm			5.8mb		
OZH	3.16	292	Pnc	03	57.90	-1.6	JUN 03, 1991 17h 08m 38.70± 0.81s							KKN	54.98	271	P	17	30.76	0.1	
	Z	12s	4.80um				52.152 N ± 4.6km 152.822 E ± 3.9km								0.6s	482.00nm			6.0mb X		
	E	12s	4.01um				DEPTH = 419.6 ± 9.5 km							PKI	55.06	271	P	17	31.16	-0.2	
PIP	5.57	192	eP	04	34.50	0.9	4.8mb (72 obs.)								0.6s	330.00nm			5.9mb X		
CVP	6.07	180	eP	04	43.00	2.4X	NORTHWEST OF KURIL ISLANDS (220)							GKN	55.23	272	P	17	32.32	0.0	
	1.0s	99.00nm				5.5mb									0.6s	437.00nm				6.0mb X	
SZP	6.35	192	eP	04	31.00	-13.7X	ASAJ	10.52	224	eP	11	03.50	-0.1	SES	55.73	50	ePc	17	34.00	-1.5	
HKC	7.21	260	iP	04	55.70	-1.0	KUSJ	10.58	214	eP	10	58.60	-5.6X	TSM	55.77	223	ePd	17	37.00	1.0	
SSE	7.28	356	Pc	04	55.80	-1.9								FFC	56.78	42	eP	17	42.00	-0.6	
	0.7s	18.00nm				5.3mb									0.6s	12.00nm				4.5mb	
	Z	14s	1.40um			3.7MsZx	HOJ	11.71	217	eP	11	14.80	-2.1	LRM	58.16	55	eP	17	53.00	0.4	
	N	11s	1.00um											KAF	58.48	334	iP	17	53.20	-1.0	
	E	10s	0.70um				SAP	11.94	225	eP	11	20.00	0.6		0.4s	2.80nm				4.0mb	
BAG	7.45	189	eP	05	01.60	1.4								NDI	59.29	278	iPd	17	59.00	-1.1	
GZH	7.82	266	Pc	05	04.30	-1.0	MRRJ	12.57	224	eP	11	23.60	-2.6	NUR	60.26	333	iP	18	05.20	-1.0	
	N	12s	1.30um												0.5s	9.80nm				4.5mb	
	E	14s	1.90um				AOMJ	14.41	221	eP	11	43.70	-2.2	PTI	60.27	58	P	18	07.50	0.8	
QIZ	12.13	249	eP	06	05.70	1.2								OBN	60.79	324	iPc	18	09.00	-0.7	
	N	17s	1.10um				OFUJ	15.20	215	eP	11	53.80	-0.4		1.0s	*****nm				7.7mb X	
	E	15s	0.80um											TNP	61.05	64	P	18	12.00	0.1	
			eS	08	22.80		YAK	15.88	317	iPc	12	02.20	1.1		0.8s	4.41nm				4.0mb	
GYA	13.99	284	P	06	28.00	-1.2								BW06	61.78	56	eP	18	16.00	-0.8	
	Z	14s	1.20um												1.0s	4.25nm				3.9mb	
	N	12s	0.80um																	pP	
	E	12s	1.50um											DUG	61.94	60	P	18	17.70	0.0	
			pP	06	32.00		YAMJ	16.60	218	eP	12	08.40	-0.1	DAU	62.61	59	P	18	22.40	0.1	
			PP	06	38.40		MDJ	17.12	253	Pc	12	14.70	0.9	NB2	63.06	340	P	18	23.50	-1.1	
DL2	15.06	359	eP	06	46.00	3.0X								HFS	63.34	339	eP	18	24.40	-1.9	
	E	12s	0.70um												0.6s	12.80nm				4.7mb	
XAN	15.21	315	eP	06	43.50	-1.6									0.6s	12.80um				4.5MsZx	
TIY	16.03	332	eP	07	01.50	5.8X														LR	
	Z	14s	0.95um				ADK	18.71	79	P	12	32.00	2.7X		IPM	63.75	241	ePd	18	32.00	2.6
	N	12s	0.64um				MAT	18.72	219	iPc	12	29.80	0.1		0.6s	64.90nm				5.4mb	
																				eS	
BJI	16.88	345	eP	07	09.50	3.2X									MAIO	64.19	296	eP	18	33.00	0.8
	Z	14s	0.53um				CHJJ	18.86	217	P	12	32.30	1.3	KGM	64.70	237	eP	18	36.80	1.3	
KMI	17.43	278	eP	07	16.00	2.4X	TSRJ	20.49	222	P	12	48.30	1.5	GLA	66.03	67	P	18	43.80	0.0	
	Z	14s	1.50um				SNY	22.32	254	iPc	13	05.00	1.2	GOL	66.18	56	P	18	47.30	2.4	
			pP	07	24.00									HYB	66.81	269	iPd	18	47.80	-1.0	
CD2	17.53	298	eP	07	16.60	1.9									1.0s	70.00nm				5.3mb	
HHC	19.05	336	eP	07	35.60	2.2	DL2	25.33	251	P	13	31.20	0.0	POO	68.86	273	eP	18	58.00	-3.3X	
	Z	14s	0.70um											ANMO	69.21	60	eP	19	03.00	-0.4	
	N	11s	0.40um												0.6s	1.00nm				3.6mb X	
BTO	19.47	332	eP	07	39.00	0.6														pP	
	N	13s	0.90um				TTA	28.70	48	P	14	01.40	0.4	ALO	69.21	60	eP	19	03.00	-0.4	
	E	11s	0.50um											IR7	69.42	302	iPd	19	05.50	0.9	
			eS	07	47.50		SVW	29.01	52	e(P)	14	03.90	0.3	IR1	69.60	302	iPd	19	07.00	1.4	
LZH	19.78	312	eP	07	44.00	2.2	BRW	29.29	31	eP	14	06.60	0.7	IR4	69.62	301	iPd	19	07.50	1.7	
	Z	2.0s	29.00nm			4.2mb	IMA	29.70	41	iPc	14	10.30	0.6	GBA	70.41	267	Pd	19	09.70	-0.8	
			0.97um												1.2s	47.60nm				5.0mb	
	N	10s	0.48um				TIA	29.78	252	Pd	14	10.40	-0.1	KRA	70.62	330	iPc	19	11.10	-0.1	
	E	10s	0.52um				HHC	30.17	265	eP	14	11.60	-2.4		0.7s	30.00nm				5.0mb	
			pP	07	49.00	19km	KDC	31.15	58	e(P)	14	18.10	-4.0X	KSP	71.00	333	iP	19	13.20	-0.3	
			sP	07	52.50		SSE	31.26	240	Pc	14	24.10	0.8	EKA	71.05	346	Pc	19	13.40	-0.3	
			PP	08	04.00										0.4s	6.60nm				4.6mb	
			sS	11	34.00		TIY	31.57	259	Pd	14	26.50	0.4	SPC	71.28	329	eP	19	15.20	-0.2	
CN2	20.17	8	eP	07	45.00	-0.7								CLL	71.48	335	iPd	19	15.90	-0.3	
	Z	12s	1.20um			4.5MsZx									0.9s	34.00nm				5.0mb	
	N	12s	0.40um				FBA	32.20	44	ePc	14	32.10	1.1	BRG	71.62	334	iP	19	16.60	-0.5	
	E	12s	0.30um				WHN	35.47	248	Pd	14	59.00	0.2		1.0s	12.00nm				4.5mb	
			eP	07	50.00	19km								PRU	72.26	333	Pd	19	20.50	-0.3	
			eS	11	32.00										0.8s	13.80nm				4.6mb	
MDJ	21.71	15	eP	08	03.00	1.6	XAN	36.15	257	Pd	15	04.50	-0.1	WTS	72.35	339	eP</				

03d 17h

TUL	73.89	52	eP	19 29.90	-0.5	0.8s	13.45nm	4.7mb	DMK	3.06	340	ePn	25 00.50	0.5	
	0.6s	53.60nm			5.4mb	BHB	78.93	336 P	19 56.57	-1.4	ALN	3.10	310 iPc	25 00.46	0.0
GWF	74.98	337 P	19 36.14	-0.2		RRL	78.98	336 P	19 59.14	0.7	RDO	3.55	309 iPnd	25 07.00	0.0
KBA	75.23	333 iPd	19 38.70	0.7		ASS	79.09	331 P	19 59.40	0.6	KDZ	3.94	314 iPd	25 13.00	0.4
	0.8s	67.00nm			5.4mb	FIN	79.28	335 P	19 59.24	-0.5			iS	26 00.00	
			19 45.10			ROB	79.29	335 P	19 59.34	-0.5	JM8	4.02	331 eP	25 14.00	0.3
		iPp	21 09.40	406kmX		PZZ	79.29	336 P	19 58.21	-1.7			eS	26 18.00	
			21 13.40			AGG	79.50	323 iPc	19 59.18	-1.8	KAS	4.25	54 eP	25 34.50	17.4X
			21 17.30			IMI	79.64	335 P	20 01.70	0.0	RZN	4.37	310 iPc	25 18.00	-0.9
WATA	75.49	334 iPd	19 39.60	0.2		MNS	79.71	331 P	20 01.80	-0.3			eS	26 30.00	
	0.5s	13.40nm			4.9mb	SALJ	79.82	310 Pd	20 06.61	3.7X	SOH	4.86	294 ePc	25 45.40	19.7X
			19 51.90			RJF	79.83	340 eP	20 03.00	0.4	MMB	4.93	304 eP	25 26.00	-0.7
PTJ	75.54	330 iPd	19 39.50	-0.1			1.0s	8.00nm		4.4mb			eS	26 22.00	
WTTA	75.54	334 iPd	19 40.30	0.6		MDSJ	79.86	309 Pd	20 07.06	3.9X	PVL	5.15	327 iPd	25 28.00	-1.7
	0.6s	17.80nm			4.9mb	MASJ	80.04	310 Pd	20 07.56	3.5X	PGB	5.23	315 iP	25 30.00	-1.0
			19 52.20			CAF	80.07	339 eP	20 04.80	0.9	KNT	5.30	296 ePc	25 31.82	-0.1
WLS	75.57	337 P	19 39.16	-0.5			0.6s	6.30nm		4.5mb	VAY	5.59	297 ePn	25 36.70	0.7
CDF	75.59	337 P	19 39.37	-0.5		CSTJ	80.09	309 Pd	20 07.63	3.4X	VTs	5.81	311 eP	25 38.00	-1.2
SOTA	75.69	334 iPd	19 40.90	0.4		FRF	80.28	336 eP	20 04.60	-0.4	MLR	6.96	341 eP	25 54.00	-1.3
	0.7s	18.30nm			4.9mb		0.7s	7.70nm		4.5mb			e	27 42.00	
			19 45.10			DSI	80.33	310 iPd	20 06.00	0.6	S.D. = 0.9 on 33 of 35 obs.				
ECH	75.80	337 P	19 40.01	-0.9		LFF	80.34	340 iPd	20 06.00	0.8	% JUN 03, 1991 20h 01m 29.39±0.78s				
FVI	75.84	333 P	19 41.30	0.3			1.0s	24.00nm		4.8mb	38.030 N ±13.5km 14.587 E ±5.7km				
FEL	75.91	336 P	19 41.40	-0.3		LRG	80.46	336 eP	20 06.40	0.6	DEPTH = 10.0km (geophysicist)				
VITF	76.08	338 P	19 42.05	-0.4			0.8s	25.50nm		5.0mb	SICILY (398)				
MOF	76.15	337 P	19 42.21	-0.7		Z	20s	0.10um		4.2Msz					
HAU	76.19	338 eP	19 42.80	-0.3		LPO	80.49	340 eP	20 06.80	0.7					
	0.6s	8.10nm			4.6mb		0.8s	17.45nm		4.8mb	MNO	0.13	139 Pd	01 32.20	-0.5
Z	20s	0.03um			3.5Msz	LMR	80.53	336 eP	20 06.80	0.5			eSg	01 34.30	
KGT	76.36	320 eP	19 44.30	0.3			0.8s	14.80nm		4.7mb	GIB	0.44	265 P	01 39.10	0.6
ALN	76.46	321 ePd	19 44.50	-0.1		PGF	80.61	334 eP	20 06.80	0.0			eSg	01 46.30	
CTI	76.65	333 P	19 45.10	-0.6			0.7s	18.75nm		4.9mb	ATN	0.70	79 P	01 43.40	0.1
LOMF	76.69	337 P	19 45.53	-0.4		WARB	81.30	204 iPd	20 10.80	0.4			eSg	01 53.80	
FLN	76.92	342 iPd	19 46.80	-0.2			0.4s	9.00nm		4.8mb	SOI	1.16	87 P	01 51.40	0.4
	0.8s	13.45nm			4.7mb	MBH	82.06	309 iPd	20 14.80	0.3			eSg	02 08.10	
Z	20s	0.10um			4.1Msz	EPF	82.25	340 eP	20 15.30	0.1	USI	1.30	302 P	01 52.80	-0.6
LDF	77.01	342 iPd	19 47.30	-0.2			0.7s	7.70nm		4.5mb	CZI	1.70	45 P	01 55.30	-3.8X
	1.0s	20.00nm			4.8mb	STK	84.25	190 iPd	20 30.00	5.0X	S.D. = 0.8 on 5 of 6 obs.				
SRS	77.20	323 ePc	19 48.38	-0.3			0.8s	2.80nm		4.1mb	JUN 03, 1991 21h 08m 17.37±0.49s				
SKO	77.23	325 eP	19 48.80	0.0		MTD	122.15	285 iPKPc	26 44.20	-1.5	40.623 N ± 4.3km 22.945 E ± 3.9km				
GRR	77.35	342 iPd	19 49.30	-0.1		KRI	123.35	286 iPKPd	26 47.20	-0.9	DEPTH = 10.0km (geophysicist)				
	0.7s	30.85nm			5.1mb	ZOBO	131.78	58 PKP	27 04.00	-0.8	GREECE (364)				
VAY	77.40	324 iP	19 49.40	-0.3				i	29 48.20		MD 2.2 (THE).				
KNT	77.42	324 ePd	19 49.94	0.1		LPB	132.01	58 ePd iff	24 17.00	16.0X	THE	0.02	59 iPgc	08 19.74	0.5
LOR	77.45	339 iPd	19 49.70	-0.3		LPB	132.01	58 (PKP)	27 12.00	6.9X			iSg	08 20.52	
	0.8s	26.85nm			5.0mb			e	29 42.00		SOH	0.37	57 iPgc	08 25.16	0.2
Z	20s	0.08um			4.0Msz	CNCB	132.31	58 PKP	27 06.00	0.2			iS	08 30.88	
SOH	77.55	323 ePd	19 50.34	-0.3				i	29 51.70		GRG	0.53	309 iPgc	08 28.16	0.0
VAI	77.59	335 Pd	19 50.70	0.0		SIV	135.03	49 PKP	27 09.40	-0.9			iSg	08 36.00	
LBF	77.70	339 iPd	19 50.80	-0.5		SPA	141.97	180 ePKP	27 16.00	-5.6X	KNT	0.54	356 iPgc	08 28.21	-0.1
	0.7s	11.60nm			4.7mb		0.7s	7.42nm					iSg	08 37.28	
LPF	77.73	342 iPd	19 51.60	0.2		PEL	143.47	76 iPKPd	27 22.20	-2.9X	LIT	0.63	214 iPgc	08 29.61	-0.4
	0.8s	32.25nm			5.1mb		0.7s	41.10nm					iSg	08 37.78	
SSF	77.73	339 iPd	19 51.30	-0.2		TACH	143.67	77 iPKP	27 23.00	-2.4X	SRS	0.70	45 iPgd	08 30.92	-0.2
	0.6s	9.00nm			4.6mb	PCH	143.90	76 iPKPc	27 24.00	-1.9X			iSg	08 42.28	
ORX	78.01	336 P	19 52.37	-0.8		PPD	144.63	41 ePKP	27 27.10	-0.3	VAY	0.75	338 ePn	08 31.40	-0.7
AVF	78.02	339 iPd	19 53.20	0.2		S.D. = 0.8 on 173 of 189 obs.					OUR	0.84	110 ePg	08 33.64	0.0
	0.8s	20.80nm			4.9mb	JUN 03, 1991 19h 24m 10.09±0.35s							iSg	08 45.40	
SMF	78.05	339 iPd	19 53.20	0.0		38.960 N ± 3.2km 29.189 E ± 3.9km					PAIG	0.89	141 ePg	08 34.38	-0.1
	0.8s	12.75nm			4.7mb	DEPTH = 5.0km (geophysicist)							eSg	08 47.34	
PAIG	78.20	322 iPc	19 53.53	-0.6		TURKEY (366)					FNA	1.20	278 ePb	08 40.60	0.8
BHL	78.27	311 P	19 50.50	-4.2X		MD 3.7 (ISK), 3.5 (ATH).							eS	08 57.28	
FNA	78.30	324 ePd	19 54.06	-0.6		KHL	0.69	158 iPg	24 22.70	-1.1	S.D. = 0.5 on 10 of 10 obs.				
BGF	78.35	339 eP	19 55.00	0.2				eSg	24 31.70		? JUN 03, 1991 21h 09m 17.21±1.68s				
	0.6s	7.20nm			4.5mb	ALT	0.72	82 iPg	24 24.00	-0.6	1.996 N ±26.4km 126.895 E ±16.4km				
LSD	78.38	336 P	19 55.65	0.3				eSg	24 34.00		DEPTH = 33.0km (normal)				
BOB	78.43	334 P	19 56.00	0.6		DST	0.78	326 iPn	24 25.30	-0.4	4.5mb (2 obs.)				
LPL	78.43	336 iPd	19 56.30	0.8		IZI	1.39	9 iPn	24 37.20	1.0	MOLUCCA PASSAGE (266)				
	0.6s	27.95nm			5.1mb	IZM	1.61	250 iPn	24 39.20	-0.1	MNI	2.13	255 ePc	09 51.00	-0.1
LPG	78.44	336 iPd	19 56.70	1.0		BNT	1.70	325 iPn	24 41.20	0.6			eS	10 14.50	
LIT	78.49	323 ePc	19 54.50	-1.2		EDC	1.72	324 iPn	24 41.00	0.1	TSM	9.08	284 eP	11 29.50	0.4
SFI	78.55	332 P	19 57.10	1.3		EYL	1.77	25 iPn	24 42.70	1.0	WB2	23.00	162 eP	14 20.90	0.6
ARV	78.62	331 P	19 56.80	0.5		GBZT	1.84	6 ePn	24 42.60	0.1			0.4s	16.10nm	4.9mb
MME	78.62	333 P	19 57.80	1.2				iSg	25 12.20		FORR	32.68	178 eP	15 47.70	-1.0
RSP	78.64	336 P	19 55.45	-1.1				iPn	24 42.40	-0.5	STK	36.47	159 eP	16 21.90	0.8
MAF	78.73	339 eP	19 57.60	0.8		BCK	1.86	143 iPn	24 42.40	-0.5			0.3s	0.90nm	4.1mb
	0.9s	24.55nm			4.9mb	HRT	1.90	11 iPn	24 44.80	1.4	AIA	116.37	175 ePKP	27 58.00	-0.7
TCF	78.74	340 iPd	19 57.10	0.2		YER	1.96	202 iPn	24 44.50	0.2	S.D. = 0.9 on 6 of 6 obs.				
	0.8s	10.75nm			4.6mb	KGT	2.08	316 iPn	24 46.80	0.7	& JUN 03, 1991 21h 57m 15.50s				
HRI	78.75	310 iPd	19 57.70	0.4		ISK	2.11	357 ePn	24 45.00	-1.4	37.655 N 121.642 W				
BDI	78.77	333 P	19 58.00	0.8		CTT	2.26	345 iPn	24 49.70	1.0	DEPTH = 8.0km				
CRE	78.79	332 P	19 57.70	0.4		ELL	2.28	165 ePn	24 49.40	0.3	CENTRAL CALIFORNIA (39)				
BNI	78.88	336 Pd	19 58.50	0.7		PRK	2.29	278 ePn	24 49.00	-0.1					
PCP	78.88	335 P	19 57.60	-0.1		MFT	2.34	322 iPn	24 49.70	-0.2					
LSF	78.92	340 eP	19 58.10	0.2		EZN	2.38	292 ePn	24 51.50	1.1					
	0.9s	24.55nm			4.9mb	ARG	2.87	197 ePn	24 59.00	1.7					
MFF	78.93	341 iPd	19 58.40	0.5											

<BRK>. ML 2.5 (BRK).						MOX 159.02 338 ePKPc 32 11.50 38.3X						GHO 2.66 46 eP 34 10.41 -1.4					
						1.3s 13.00nm						CUT 2.75 27 eP 34 12.54 -0.4					
MHC 0.31 180 iPd 57 21.95 0.0						KHC 159.61 333 PKP 32 14.20 40.3X						SML 2.90 49 eP 34 12.80 -2.2					
ARN 0.32 164 iPc 57 22.00 0.0						1.0s 5.30nm						HIN 3.24 80 ePc 34 17.10 -2.5					
BKS 0.52 295 iPc 57 25.50 -0.5						GRF 159.98 338 iPKPc 32 16.30 42.0X						VLZ 3.46 68 eP 34 20.07 -2.5					
						1.8s 47.00nm						CVA 3.62 78 eP 34 22.40 -2.4					
						S.D. = 1.4 on 23 of 43 obs.						KLU 3.76 63 ePc 34 23.93 -2.9					
BRK 0.54 294 iPc 57 25.70 -0.6						% JUN 03, 1991 22h 30m 26.56±0.69s						SGAM 3.89 79 eP 34 25.21 -3.2					
ZSP 0.57 301 iPc 57 26.50 -0.4						40.713 N ± 6.2km 15.276 E ± 7.7km						RAGM 4.14 81 eP 34 29.02 -3.0					
PCC 0.61 255 iPc 57 27.20 -0.5						DEPTH = 10.0km (geophysicist)						HMT 4.35 82 eP 34 32.14 -2.7					
GCC 0.68 204 eP 57 29.40 0.2						SOUTHERN ITALY (390)						WRH 5.04 25 ePc 34 41.88 -2.4					
SAO 0.90 170 eP 57 32.50 -0.5						SGO 0.16 171 Pc 30 29.10 -1.1						WAX 5.05 80 eP 34 41.71 -2.8					
CMB 1.06 69 eP 57 34.60 -1.2						MMN 0.99 146 P 30 45.50 0.2						TGL 5.08 77 eP 34 42.57 -2.3					
LLA 1.18 151 eP 57 37.30 -0.4						ORI 1.11 126 P 30 48.40 1.1						CCB 5.25 25 eP 34 44.44 -2.7					
10 obs. associated						DUI 1.13 327 P 30 48.30 0.5						BALM 5.34 74 eP 34 45.81 -2.7					
						CSI 1.22 140 P 30 49.70 0.5						49 obs. associated					
? JUN 03, 1991 22h 12m 23.49±1.98s						BAI 1.27 71 P 30 49.00 -1.1						% JUN 03, 1991 22h 45m 23.39±0.52s					
31.648 S ±16.3km 179.600 E ±25.5km						TDS 1.33 142 P 30 51.40 0.3						40.812 N ± 4.5km 27.729 E ± 4.4km					
DEPTH = 412.8 ± 17.4 km						BRT 1.47 83 P 30 51.50 -1.6						DEPTH = 10.0km (geophysicist)					
4.3mb (3 obs.)						SDI 1.48 312 P 30 53.50 0.2						TURKEY (366)					
KERMADEC ISLANDS REGION (177)						ROI 1.51 139 P 30 55.20 1.5						MD 2.6 (ISK).					
HBZ 6.03 190 eP 13 57.90 0.4						CZI 1.63 156 P 30 54.40 -1.0						MFT 0.34 266 iPg 45 30.50 0.0					
PUZ 6.50 189 eP 14 03.70 1.0						LCI 2.08 100 P 31 03.20 1.4						EDC 0.48 168 iPg 45 33.00 -0.1					
NOZ 7.07 190 P 14 09.50 0.5						SOI 2.71 167 P 31 10.00 -0.9						BNT 0.48 162 iPg 45 33.20 0.1					
WHH 7.65 199 eP 14 16.50 0.9						S.D. = 1.1 on 13 of 13 obs.						KGT 0.48 222 iPg 45 33.20 0.0					
MOH 7.73 194 P 14 19.90 3.5X						& JUN 03, 1991 22h 33m 29.73s						CTT 0.63 58 iPg 45 35.70 -0.3					
NGZ 8.19 202 eP 14 22.40 0.6						59.986 N 152.936 W						DMK 1.01 1 iPg 45 42.50 0.0					
CNZ 8.23 203 eP 14 24.10 1.9						DEPTH = 106.3km						ISK 1.04 75 ePg 45 43.00 0.0					
MNG 9.55 199 P 14 35.00 -2.3						SOUTHERN ALASKA (2)						IZI 1.41 109 ePn 45 48.70 -0.5					
						<AEIC>.						HRT 1.47 89 iPn 45 50.70 0.7					
KIW 9.94 201 P 14 41.00 -0.8						RED 0.44 11 iPc 33 45.41 -0.7						S.D. = 0.4 on 9 of 9 obs.					
MTW 10.05 198 P 14 42.20 -0.8						RSO 0.49 11 iPc 33 45.92 -0.7						% JUN 03, 1991 23h 37m 20.58±1.11s					
CAW 10.12 200 eP 14 42.60 -1.3						RS2 0.49 10 iPc 33 45.94 -0.6						16.524 N ±17.5km 95.949 W ± 9.8km					
WDW 10.29 200 eP 14 44.60 -1.2						RDW 0.50 7 iPc 33 45.93 -0.7						DEPTH = 30.0km (geophysicist)					
MRW 10.34 201 P 14 45.10 -1.3						REF 0.52 13 iPc 33 46.10 -0.7						OAXACA, MEXICO (60)					
WEL 10.37 201 eP 14 46.00 -0.8						RDN 0.54 9 iPc 33 46.23 -0.6						PBJ 0.53 99 iP 37 31.50 0.1					
TCW 10.46 203 P 14 47.00 -0.8						NCT 0.58 0 iPc 33 46.46 -0.6						VHO 0.93 306 iP 37 39.00 1.3					
KHZ 11.78 203 P 15 01.80 -1.0						DFR 0.62 11 iPc 33 46.72 -0.7						OXX 0.93 307 iP 37 39.00 1.3					
LTZ 12.55 206 eP 15 11.50 0.2						RDT 0.65 24 iPc 33 46.82 -0.8						PIO 2.09 267 iP 37 54.00 -0.3					
DZM 15.11 306 iPc 15 39.10 0.4						PDB 0.66 253 iPd 33 46.81 -0.9						IISM 2.80 331 iP 38 04.00 -0.3					
STK 32.21 259 eP 18 19.20 2.2						AUE 0.67 200 ePd 33 46.71 -1.0						PPM 3.59 315 eP 38 15.50 -0.6					
WB2 42.10 275 iPc 19 38.90 0.0						AUH 0.68 203 ePd 33 47.06 -0.8						S.D. = 1.1 on 6 of 6 obs.					
0.4s 33.70nm 5.1mb						AUI 0.70 201 ePd 33 46.98 -1.0						JUN 03, 1991 23h 38m 34.89±0.45s					
SPA 58.52 180 iPc 21 04.50 2.4						HOM 0.73 116 eP 33 47.81 -0.4						10.424 N ± 7.4km 125.275 E ± 9.7km					
1.0s 10.50nm 4.2mb						XLV 0.81 130 eP 33 48.05 -1.0						DEPTH = 28.5km (2 depth phases)					
KKM 71.01 290 iPc 23 37.30 37.3X						CNPM 0.98 117 iPc 33 49.70 -1.0						4.9mb (21 obs.) 4.2Msz (5 obs.)					
MAT 78.13 327 eP 23 37.00 -2.5						CDD 1.12 199 ePd 33 50.90 -1.4						LEYTE, PHILIPPINE ISLANDS (256)					
YKA 107.46 26 ePKP 29 59.90 -2.5X						NKA 1.14 47 iPc 33 53.31 1.0						DAV 3.33 175 eP 39 28.00 1.8					
OBN 144.96 323 iPKPd 31 12.10 -1.0						CKL 1.25 13 ePc 33 53.23 -0.6						BAG 7.50 323 eP 40 26.50 1.1					
KAF 144.99 338 iPKP 31 10.90 -2.0X						BGL 1.31 12 eP 33 54.21 -0.3						QZH 15.77 337 eP 42 19.00 2.3					
NUR 146.72 338 iPKP 31 16.40 0.6						CRP 1.34 16 ePc 33 55.12 0.2						GZH 16.99 319 P 42 36.00 3.9X					
UPP 149.32 342 iPKP 31 22.20 2.3X						SYI 1.41 168 ePd 33 54.12 -1.4						QIZ 17.19 302 eP 42 35.00 0.2					
HQL 149.43 275 PKP 31 26.70 5.7X						SLKM 1.45 68 eP 33 54.66 -1.5						SSE 20.92 350 Pc 43 18.00 0.3					
HRI 149.55 283 iPKPd 31 26.40 5.1X						NCG 1.47 15 eP 33 56.29 -0.2						1.2s 41.00nm 4.7mb					
NB2 149.62 349 PKP 31 23.50 3.1X						SEW 1.75 85 ePc 33 58.16 -1.7						Z 20s 0.60um 4.0Msz					
BHL 149.70 284 PKP 31 25.50 4.1X						SUA 1.83 35 eP 34 00.59 -0.4						E 12s 0.40um					
PRNI 149.71 277 iPKPd 31 26.70 5.2X						PMS 2.09 51 eP 34 03.19 -1.1						WHN 22.45 335 eP 43 34.50 1.4					
HFS 150.00 346 ePKP 31 23.70 2.8X						SKT 2.12 18 ePd 34 03.60 -1.0						1.0s 100.00nm 5.2mb					
ZNT 150.01 281 iPKPd 31 27.50 5.7X						PWA 2.24 41 eP 34 05.43 -0.8						Z 20s 0.60um 4.0Msz					
VRI 154.68 312 ePKP 31 53.50 25.5X						PLRM 2.47 48 ePc 34 07.83 -1.3						E 12s 0.30um					
KSP 157.18 332 iPKPc 32 03.50 32.4X						LTI 2.55 87 eP 34 08.30 -2.0						TIA 26.72 345 eP 44 12.20 -1.5					
CLL 158.00 337 iPKPc 32 06.70 34.7X						KNIM 2.62 80 ePc 34 08.42 -2.9						CHG 26.78 291 eP 44 13.70 -0.8					
BRG 158.04 335 iPKPc 32 07.40 35.3X						KNK 2.63 55 eP 34 09.39 -2.0											
PRU 158.54 333 ePKP 32 09.00 36.3X																	

03d 23h

XAN 27.87 330 P 44 23.00 -1.4
 CD2 28.54 319 P 44 29.70 -0.8
 0.9s 24.00nm 4.9mb
 TIY 29.53 339 eP 44 38.70 -0.5
 Z 18s 0.49um 4.2Msz
 N 15s 0.40um
 BJ1 30.58 346 eP 44 47.50 -1.0
 1.2s 14.00nm 4.7mb
 SNY 31.32 358 Pd 44 54.60 -0.3
 1.2s 23.00nm 4.9mb
 WB2 31.47 163 eP 44 50.40 -6.1X
 0.7s 3.70nm 4.4mb
 e 47 09.90
 LZH 32.10 326 eP 45 01.50 -0.6
 1.5s 40.00nm 5.1mb
 Z 24s 0.63um 4.2MszX
 N 16s 0.83um
 E 16s 0.67um
 pP 45 09.00 26km
 sP 45 12.00
 PP 46 08.00
 eS 50 07.00
 HHC 32.64 341 P 45 06.70 0.1
 1.0s 16.00nm 4.9mb
 SHL 35.02 300 iP 45 26.00 -1.5
 WARB 36.41 178 eP 45 37.00 -2.0
 0.5s 7.00nm 4.8mb
 GTA 36.70 326 Pc 45 41.50 0.0
 1.2s 30.00nm 5.0mb
 Z 22s 0.60um 4.3Msz
 N 18s 1.00um
 LSA 37.14 306 P 45 46.60 0.9
 GUN 40.85 301 P 46 15.94 -0.5
 0.8s 60.00nm 5.4mb
 PKI 41.15 300 P 46 13.72 -5.2X
 0.6s 24.00nm 5.1mb
 KKN 41.32 300 P 46 13.02 -7.2X
 STK 44.87 160 eP 46 46.70 -2.0
 0.8s 3.20nm 4.3mb
 HYB 45.79 284 ePc 46 56.00 -0.3
 1.0s 40.00nm 5.3mb
 WMO 46.50 323 P 47 01.50 -0.1
 1.2s 10.00nm 4.7mb
 Z 18s 0.60um 4.6Msz
 pP 47 10.80 31km
 ScS 56 55.00
 SS 57 11.20
 GBA 46.84 279 Pc 47 03.80 -0.8
 1.1s 39.50nm 5.3mb
 YAK 51.60 3 eP 47 38.20 -2.4
 DZM 51.70 129 iPc 47 43.90 1.9
 IMA 76.90 24 eP 50 26.40 0.3
 0.8s 4.30nm 4.5mb
 PMR 78.81 29 eP 50 36.60 0.1
 TOA 80.19 28 eP 50 45.70 1.7
 SOD 83.77 337 eP 51 05.00 2.5
 INK 84.50 21 eP 51 06.00 -0.1
 KAF 85.04 332 iP 51 07.10 -1.8
 1.0s 9.90nm 5.0mb
 MBC 85.78 13 eP 51 12.00 -0.4
 0.8s 4.00nm 4.7mb
 NUR 86.19 331 eP 51 16.90 2.3
 YKA 94.01 24 eP 51 50.40 -1.0
 1.0s 1.70nm 4.4mb
 LPB 165.65 116 PKP 58 39.00 -0.2
 ZOBO 165.73 115 PKP 58 40.10 0.6
 CCH 166.94 123 PKP 58 34.90 -5.2X
 S.D. = 1.3 on 40 of 45 obs.

* JUN 03, 1991 23h 47m 33.78±3.00s
 62.238 N ±21.0km 5.268 E ±21.2km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN NORWAY (535)
 MD 2.5 (BER).

MOL 1.11 72 iPc 47 54.73 0.1
 Lg 48 08.60
 HYA 1.16 157 ePc 47 55.68 0.2
 eS 48 11.55
 SUE 1.21 192 eP 47 56.14 -0.1
 eS 48 12.27
 ASK 1.76 181 iP 48 05.59 1.1
 eSg 48 29.11
 EGD 1.97 181 eP 48 07.35 -0.2
 eS 48 34.86
 ODD1 2.43 164 eP 48 13.94 -0.2
 eS 48 42.68

KMY 3.04 180 eP 48 21.94 -0.7
 eS 48 56.00
 NRA0 3.36 114 P 48 29.00 1.6
 Sg 49 16.20
 HFS 4.59 114 eP 48 43.00 -1.8
 0.4s 0.50nm
 S.D. = 1.1 on 9 of 9 obs.

JUN 04, 1991 00h 26m 20.06±0.44s
 44.156 N ±3.1km 7.417 E ±4.6km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.0 (GEN).

STV 0.11 323 P 26 22.90 -0.1
 S 26 24.65
 AUTN 0.16 177 Pg 26 23.38 -0.5
 TOUF 0.19 221 Pg 26 23.54 -0.8
 SADP 0.20 149 Pg 26 24.23 -0.2
 Sg 26 27.15
 AURF 0.28 194 Pg 26 25.44 -0.5
 Sg 26 29.20
 SBF 0.29 177 Pg 26 26.50 0.3
 Sg 26 30.00
 MVIF 0.32 216 Pg 26 26.42 -0.4
 ROB 0.35 67 P 26 28.03 0.6
 S 26 33.47
 DOI 0.37 341 P 26 28.00 0.3
 eSg 26 34.00
 PZZ 0.42 327 P 26 28.75 0.1
 S 26 34.49
 IMI 0.42 126 P 26 28.65 0.0
 S 26 34.59
 BHB 0.69 351 P 26 32.75 -1.1
 S 26 41.77
 FRF 0.81 223 Pg 26 37.80 2.0
 LMR 1.05 219 Pg 26 40.10 0.2
 Sg 26 53.50
 S.D. = 0.8 on 14 of 14 obs.

JUN 04, 1991 00h 53m 26.63±0.44s
 44.327 N ±3.3km 7.248 E ±4.5km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.1 (GEN), 2.1 (LDG).

STV 0.10 146 P 53 29.54 0.1
 S 53 31.08
 DOI 0.18 359 P 53 31.00 0.3
 eSg 53 34.00
 PZZ 0.21 329 P 53 31.28 0.0
 S 53 34.46
 ROB 0.45 94 P 53 36.31 0.5
 S 53 43.07
 SBF 0.48 164 Pg 53 36.70 0.2
 Sg 53 43.10
 BHB 0.51 1 P 53 36.72 -0.3
 S 53 43.28
 IMI 0.62 132 P 53 38.97 -0.2
 S 53 47.79
 FIN 0.70 99 P 53 39.89 -0.6
 FRF 0.88 210 Pg 53 42.70 -0.8
 Sg 53 54.40
 LRG 1.08 217 Pg 53 47.40 0.4
 Sg 54 01.40
 LMR 1.13 209 Pg 53 48.00 0.3
 Sg 54 01.80
 S.D. = 0.5 on 11 of 11 obs.

JUN 04, 1991 00h 55m 16.38±0.54s
 40.600 N ±9.1km 42.989 E ±7.4km
 DEPTH = 10.0km (geophysicist)
 3.7mb (2 obs.)
 TURKEY (366)

TAB 3.62 133 eP 56 14.00 0.2
 BHL 8.88 223 P 57 28.00 0.3
 S 59 46.00
 MAID 13.63 103 eP 58 33.00 0.8
 OBN 15.12 346 eP 58 53.00 1.6
 SPC 18.21 306 eP 59 30.00 -0.9
 ZST 19.93 301 e(P) 59 51.00 0.0
 GAR 21.03 85 iP 00 01.50 -1.2
 KHC 22.41 302 P 00 17.00 0.6
 GRF 24.03 303 e(P) 00 32.00 -0.1
 HFS 26.67 327 eP 00 56.70 -0.3
 0.6s 0.90nm 3.6mb

YKA 75.68 349 eP 07 02.10 -1.0
 0.7s 0.50nm 3.7mb
 S.D. = 0.9 on 11 of 11 obs.

% JUN 04, 1991 02h 22m 51.46±3.61s
 48.271 N ±10.8km 1.320 W ±30.1km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

LPF 0.30 142 Pg 22 57.30 -0.5
 Sg 23 03.50
 GRR 0.33 69 Pg 22 58.50 0.2
 Sg 23 04.90
 FLN 0.74 48 Pg 23 05.50 -0.5
 Sg 23 16.70
 LDF 0.86 68 Pg 23 08.40 0.4
 Sg 23 21.30
 MFF 1.85 154 Pg 23 23.90 0.4
 Sg 23 49.50
 LSF 2.80 135 Pg 23 43.10 5.9X
 Sg 24 20.00
 SSF 3.48 109 Pg 23 57.20 10.5X
 LOR 3.63 104 Pg 23 58.60 9.6X
 CAF 4.08 144 Pn 23 51.00 -4.2X
 Sn 24 37.40
 S.D. = 0.7 on 5 of 9 obs.

JUN 04, 1991 02h 45m 44.98±0.79s
 41.855 N ±7.0km 19.638 E ±5.9km
 DEPTH = 10.0km (geophysicist)
 ALBANIA (391)
 ML 2.4 (TTG).

ULC 0.31 291 iPgC 45 51.34 -0.1
 iSg 45 56.74
 TTG 0.64 334 iPgD 45 57.00 -0.8
 iSg 46 08.14
 BDV 0.74 306 iPgD 45 59.30 -0.2
 iSg 46 11.49
 PVY 0.78 19 iPgD 45 59.45 -0.8
 iSg 46 12.22
 HCY 1.03 305 iPgD 46 04.32 -0.2
 iSg 46 20.84
 IVA 1.03 11 ePg 46 04.80 0.2
 iSg 46 20.72
 NKY 1.07 334 iPgC 46 05.39 0.2
 iSg 46 23.07
 OHR 1.15 130 ePn 46 06.40 -0.1
 BRY 1.32 323 iPgD 46 09.89 0.4
 iSg 46 31.54
 PLE 1.48 353 iPgD 46 12.90 1.1
 iSg 46 37.17
 S.D. = 0.6 on 10 of 10 obs.

* JUN 04, 1991 04h 10m 37.53±1.68s
 12.230 S ±33.6km 71.283 W ±14.1km
 DEPTH = 33.0km (normal)
 3.5mb (1 obs.)
 PERU (116)

HUA 3.96 272 eP 11 38.40 0.6
 eS 12 28.60
 ARE 4.21 183 eP 11 49.00 7.7X
 ZOBO 5.05 143 P 11 53.00 -0.5
 S 13 11.00
 LPB 5.27 145 P 12 03.00 6.5X
 1.0s 94.00nm 5.2mb X
 i 12 13.00
 i 13 16.00
 NNA 5.44 272 eP 11 58.00 -0.5
 0.5s 2.82nm 4.0mb X
 eS 13 07.00
 CCH 7.14 136 P 12 23.30 -0.7
 i 12 50.80
 SIV 10.59 112 P 13 10.00 -0.1
 YKA 81.73 341 eP 22 58.70 4.8X
 0.8s 0.40nm 3.5mb
 S.D. = 0.8 on 5 of 8 obs.

JUN 04, 1991 04h 52m 58.70±0.61s
 44.103 N ±3.7km 7.153 E ±5.3km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.9 (GEN), MD 1.2 (STR).

TOUF 0.11 142 Pg 53 01.94 0.2
 Sg 53 03.56

STV	0.19	41	P	53	03.08	0	1	KNIM	1.53	187	eP	45	39.41	-0.4	? JUN 04, 1991 09h	11m 04.81± 5.28s		
			S	53	05.75			HIN	1.53	164	eP	45	40.10	0.3	39.451 N ±37.9km	29.537 E ±25.1km		
MVIF	0.21	180	Pg	53	03.26	0.0		CVA	1.54	148	ePc	45	39.81	-0.1	DEPTH = 10.0km	(geophysicist)		
			Sg	53	06.88			HUR	1.54	318	ePc	45	39.04	-0.9	TURKEY		(366)	
AUTN	0.23	118	Pg	53	03.71	0.0				eS	45	58.78		MD 2.8 (ISK).				
			Sg	53	06.81			SUA	1.66	258	ePc	45	41.52	-0.2				
AURF	0.25	150	Pg	53	04.22	0.2		RND	1.69	337	ePc	45	41.46	-0.8	DST	0.72	283 ePg 11 19.00 0.0	
SAOF	0.31	112	Pg	53	05.29	0.1		SGAM	1.72	141	eP	45	42.31	-0.3	IZI	0.89	357 iPg 11 21.20 -0.7	
			Sg	53	09.50			GLB	1.75	102	ePc	45	42.17	-0.9	YLV	1.12	354 iPg 11 26.50 0.6	
CALN	0.40	209	Pg	53	06.83	-0.1				eS	46	05.06			eSg	11 41.50		
PZZ	0.40	355	P	53	06.98	0.0		LTJ	1.84	188	ePc	45	43.59	-0.7	EYL	1.21	23 ePn 11 27.50 0.1	
			S	53	12.52			MTU	1.88	184	eP	45	44.01	-0.9	KGT	1.99	301 ePn 11 42.00 3.2X	
ROB	0.55	69	P	53	09.85	-0.1		SLKM	1.94	227	ePd	45	46.31	0.6	S.D. = 0.9	on 4 of 5 obs.		
			S	53	17.03			SKT	1.97	275	ePc	45	45.68	-0.5				
IMI	0.57	110	P	53	09.85	-0.4				S	46	09.93		% JUN 04, 1991 09h	12m 28.47± 0.88s			
			S	53	17.13			RAGM	1.98	137	eP	45	46.08	-0.2	40.748 N ± 6.8km	27.375 E ± 8.8km		
S.D. = 0.2	on 10 of 10 obs.							MCK	2.01	340	eP	45	46.14	-0.6	DEPTH = 10.0km	(geophysicist)		
* JUN 04, 1991 06h	25m 43.45± 0.92s							SEW	2.03	211	eP	45	47.03	0.0	TURKEY		(366)	
21.833 S ± 9.6km	68.402 W ±12.2km							HMT	2.15	134	eP	45	48.47	-0.3	MD 2.4 (ISK).			
DEPTH = 139.5 ± 15.2 km								CGLM	2.28	258	eP	45	50.42	-0.3				
3.8mb (1 obs.)								NCG	2.33	261	iPc	45	51.13	-0.3	MFT	0.08	299 iPg 12 30.70 -0.3	
CHILE-BOLIVIA BORDER REGION	(124)							CRP	2.36	258	eP	45	51.81	-0.1	KGT	0.30	190 iPg 12 35.50 0.8	
ANT	2.63	225	iP	26	26.20	0.0		TGL	2.46	115	ePd	45	52.18	-1.0		eSg	12 40.00	
			iS	26	53.80			CKL	2.47	257	eP	45	52.95	-0.4	EDC	0.55	137 iPg 12 38.50 -1.0	
CCH	4.91	26	P	26	57.70	0.9		BGL	2.47	258	eP	45	52.83	-0.6		iSg	12 46.00	
LPB	5.28	3	eP	27	02.00	0.2		BALM	2.55	107	ePc	45	53.21	-1.3	CTT	0.89	63 iPg 12 46.50 0.9	
			i	27	23.00			WAX	2.61	121	eP	45	53.98	-1.3		iSg	12 57.50	
ZOBO	5.54	3	P	27	04.00	-1.5		WRH	2.64	353	eP	45	54.84	-0.8	DMK	1.11	15 ePn 12 49.00 -0.3	
			S	28	02.20			RDT	2.76	244	eP	45	56.23	-1.2	S.D. = 1.2	on 5 of 5 obs.		
ARE	6.09	331	eP	27	13.00	0.4		CCB	2.80	356	eP	45	56.74	-1.3				
			iS	28	14.40			RDS	3.00	354	eP	45	59.85	-0.9	JUN 04, 1991 09h	23m 30.11± 0.85s		
SIV	9.05	51	P	27	46.60	-5.6X		CTGM	3.04	105	eP	46	01.02	-0.5	40.403 N ± 4.9km	24.004 E ±11.0km		
PPD	15.06	94	eP	29	20.10	-0.2		FBA	3.06	357	eP	46	00.70	-0.9	DEPTH = 10.0km	(geophysicist)		
			e	29	23.60			MDM	3.13	353	eP	46	01.82	-0.9	AEGEAN SEA		(365)	
YKA	91.66	340	eP	38	35.50	0.1		SVW	4.03	263	eP	46	13.30	-2.1	MD 2.1 (THE).			
	0.6s	0.40nm				3.8mb		TTA	4.16	289	eP	46	15.20	-2.2				
S.D. = 1.0	on 7 of 8 obs.							IMA	5.05	329	eP	46	28.30	-1.7	OUR	0.07	194 iPd 23 32.66 0.2	
* JUN 04, 1991 06h	34m 03.40± 1.71s							51 obs. associated						PAIG	0.54	208 iPc 23 40.62 -0.3		
38.459 N ±12.1km	26.815 E ±15.3km							* JUN 04, 1991 08h 27m 18.42± 0.89s							eS	23 48.46		
DEPTH = 10.0km (geophysicist)								4.985 N ± 8.4km 125.248 E ±28.5km							SRS	0.78	336 iPc 23 45.18 -0.1	
AEGEAN SEA	(365)							DEPTH = 195.9 ± 10.3 km								eS	23 55.94	
MD 3.8 (ISK).								4.7mb (7 obs.)							MMB	1.20	350 iPg 23 52.00 -0.6	
IZM	0.36	100	iPg	34	10.40	-0.4		TALAUD ISLANDS	(263)							iSg	24 06.00	
			iSg	34	15.40			CGP	3.49	351	iPd	28	14.00	-0.2	GRG	1.34	295 ePc 23 55.10 0.3	
CIN	1.32	130	eP	34	28.00	0.2				eS	29	05.00				iS	24 15.86	
EZN	1.42	345	ePn	34	28.80	-0.4		MNI	3.54	187	ePc	28	15.30	0.4	RZN	1.39	23 iP 23 56.00 0.3	
DST	1.82	50	ePn	34	35.20	0.2		W82	26.34	160	iPd	32	36.90	-1.3		iS	24 14.00	
KGT	2.03	11	ePn	34	38.00	0.1		WARB	31.01	178	iPc	33	20.10	0.4	KKB	1.62	335 eP 23 59.00 0.2	
MFT	2.35	9	ePn	34	43.00	0.3			0.4s	9.00nm			4.9mb			iS	24 18.00	
S.D. = 0.4	on 6 of 6 obs.							MRWA	35.15	194	eP	33	54.60	-0.6	S.D. = 0.4	on 7 of 7 obs.		
& JUN 04, 1991 07h	45m 14.56s								0.5s	11.00nm			4.8mb		& JUN 04, 1991 09h	30m 01.88s		
61.861 N	147.374 W							BAL	36.32	192	eP	34	04.30	-0.8	59.303 N	152.267 W		
DEPTH = 37.8km									0.5s	17.00nm			4.9mb		DEPTH = 65.2km			
SOUTHERN ALASKA	(2)							KLB	37.07	191	eP	34	11.00	-0.3	SOUTHERN ALASKA		(2)	
<AEIC>. ML 2.8 (AEIC), 2.6									0.4s	10.00nm			4.8mb		<AEIC>.			
(PMR).								MUN	37.75	193	eP	34	16.80	-0.3				
SCM	0.04	142	iPd	45	20.58	-0.3		NWAO	38.46	191	eP	34	23.50	0.5	XLV	0.32	61 eP 30 11.86 -1.0	
			iS	45	25.41				0.4s	7.00nm			4.7mb			S	30 20.03	
SML	0.46	264	iPc	45	23.71	-1.0		STK	39.83	158	iPc	34	34.90	0.7	HOM	0.48	41 iP 30 13.74 -0.5	
			eS	45	31.54				0.4s	1.70nm			4.0mb			eS	30 23.00	
TOA	0.62	66	iPc	45	26.80	-0.1		RKG	40.10	191	eP	34	37.50	1.1	AUE	0.57	276 eP 30 14.65 -0.5	
KNK	0.69	229	iPc	45	27.32	-0.5		YKA	98.97	24	eP	40	38.00	0.4	CNPM	0.57	67 iP 30 14.60 -0.6	
			eS	45	37.36				0.6s	0.20nm			3.7mb			eS	30 24.52	
GHO	0.74	264	iPc	45	27.55	-1.1		S.D. = 0.8	on 12 of 12 obs.					AUI	0.60	274 eP 30 14.65 -0.8		
			eS	45	38.60			% JUN 04, 1991 08h 37m 20.51± 0.74s							eS	30 24.47		
KLU	0.79	117	iPc	45	28.29	-1.0		44.239 N ± 7.9km 7.421 E ± 5.5km						AUH	0.61	276 eP 30 15.08 -0.6		
			iS	45	39.92			DEPTH = 10.0km (geophysicist)							eS	30 25.14		
PLRM	0.88	253	iPc	45	29.45	-1.1		NORTHERN ITALY	(545)					SYI	0.70	185 eP 30 16.00 -0.6		
			iS	45	41.83			ML 2.0 (GEN).							eS	30 27.04		
PMR	0.88	253	iPc	45	29.30	-1.2		STV	0.07	274	P	37	22.95	0.0	CDD	0.80	243 iP 30 17.31 -0.6	
VLZ	0.89	145	iPc	45	29.28	-1.3				S	37	24.90		PDB	1.09	297 eP 30 20.68 -1.0		
VZW	0.90	154	iPc	45	29.55	-1.3		ROB	0.33	80	P	37	27.36	0.0		eS	30 34.72	
TZL	0.94	78	iPc	45	30.93	-0.5				S	37	31.97		RED	1.15	347 iP 30 21.51 -0.9		
GLI	0.99	172	iPc	45	31.74	-0.5		PZZ	0.35	319	P	37	27.97	0.2		eS	30 36.89	
SDG	1.09	51	ePd	45	32.45	-1.1				S	37	32.69		RSO	1.19	348 iP 30 22.27 -0.8		
			eS	45	46.38			IMI	0.47	134	P	37	30.23	0.1		eS	30 37.76	
PWA	1.21	261	eP	45	35.00	-0.2				S	37	35.97		RS2	1.19	348 iP 30 22.29 -0.8		
PMS	1.22	240	iPc	45	35.44	0.0		FIN	0.57	93	P	37	31.36	-0.7		eS	30 37.44	
PAX	1.42	38	ePd	45	37.34	-1.1				S	37	39.46		REF	1.21	350 iP 30 22.56 -0.8		
			eS	45	55.47			BHB	0.61	349	P	37	32.53	-0.3		eS	30 38.33	
CUT	1.47	293	iPc	45	38.38	-0.5		PCP	0.86	69	P	37	37.82	0.7	RDW	1.21	347 iP 30 22.57 -0.9	
								S.D. = 0.5	on 7 of 7 obs.					RDN	1.24	349 iP 30 22.89 -0.8		
															eS	30 39.04		
														RDT	1.28	357 iP 30 23.15 -1.0		
															eS	30 39.70		
														NCT	1.31	345 eP 30 23.75 -0.8		

04d 09h

DFR	1.31	351	eP	30	23.72	-0.9
NKA	1.53	19	eP	30	29.02	1.5
SLKM	1.59	40	eP	30	27.65	-0.7
SEW	1.64	59	eP	30	28.97	0.0
CKL	1.90	359	eP	30	32.36	-0.4
BGL	1.97	358	eP	30	33.28	-0.4
CRP	1.97	2	eP	30	33.52	-0.3
CGLM	2.02	4	eP	30	34.45	0.1
NCG	2.11	1	eP	30	34.72	-0.9
SUA	2.30	19	eP	30	37.98	-0.3
PMS	2.37	34	eP	30	38.61	-0.6
SKT	2.71	7	eP	30	43.20	-0.8
PLRM	2.77	33	eP	30	43.44	-1.4
KNK	2.84	40	eP	30	44.54	-1.3
31 obs. associated						

? JUN 04, 1991 09h 44m 28.92±0.87s
 44.394 N ± 7.2km 7.381 E ± 8.0km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.9 (GEN).

STV	0.15	195	P	44	32.62	0.0
			S	44	34.46	
PZZ	0.23	299	P	44	33.85	-0.1
			S	44	37.44	
ROB	0.37	106	P	44	36.41	0.0
			S	44	41.44	
BHB	0.46	349	P	44	38.26	0.1
			S	44	44.20	

S.D. = 0.1 on 4 of 4 obs.

JUN 04, 1991 09h 53m 55.40±0.41s
 37.328 N ± 7.3km 69.220 E ± 5.7km
 DEPTH = 33.0km (normol)
 4.7mb (8 obs.)
 AFGHANISTAN-USSR BORDER REGION (717)
 Felt (III) at Dushanbe and (II)
 at Kulyab, USSR.

KSH	5.72	66	eP	55	20.50	0.1
			eS	56	32.00	
QUE	7.37	196	eP	55	44.00	0.4
			iS	56	21.00	
MAIO	7.87	265	iPnc	55	51.20	0.7
	0.8s		10.98nm			5.0mb
			eSn	57	21.00	
NDI	10.92	140	iPc	56	36.00	3.6X
	0.5s		14.08nm			5.4mb
			eS	58	33.00	
WMO	15.45	59	P	57	28.00	-4.5X
	0.8s		9.00nm			4.0mb
Z	13s		0.30um			
N	10s		0.40um			

			pP	57	34.00	
			PP	57	41.30	
			sS	00	40.00	
GKN	15.95	121	P	57	37.98	-1.1
KKN	16.53	120	P	57	45.54	-0.9
PKI	16.75	121	P	57	48.60	-0.8
GUN	16.87	119	P	57	49.58	-1.3
LSA	19.78	106	P	58	28.00	1.8
HYB	21.47	155	eP	58	47.50	4.3X
GTA	24.02	76	eP	59	08.40	0.1
	1.0s		30.00nm			4.8mb
Z	16s		0.30um			3.9MszX

GBA	24.74	161	Pc	59	21.30	6.1X
	0.6s		4.60nm			4.2mb
OBN	28.36	319	eP	59	48.00	-0.2
	0.8s		*****nm			7.9mb X

VR1	32.58	299	eP	00	32.50	6.8X
TIY	34.05	76	iPc	00	39.40	0.7
NUR	36.32	324	eP	00	56.00	-1.6
TIA	38.07	77	eP	01	13.10	0.5
SOD	38.39	335	eP	01	15.00	0.2
NJ2	40.78	82	Pd	01	36.00	1.0
HFS	41.53	322	eP	01	40.20	-0.7
	0.5s		8.10nm			4.7mb
Z	15s		0.09um			3.8MszX

MBC	66.57	2	eP	04	43.50	-0.3
	1.0s		7.00nm			4.7mb
INK	73.31	9	eP	05	25.00	0.1
			pP	05	35.00	32kmX

YKA	80.48	2	eP	06	05.00	0.1
	0.6s		4.30nm			4.6mb
WB2	83.65	121	eP	06	23.20	1.1

S.D. = 0.9 on 20 of 25 obs.

* JUN 04, 1991 10h 18m 09.24±3.17s
 49.111 N ± 23.4km 6.919 E ± 10.5km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 MD 2.0 (STR).

GWf	0.48	106	Pg	18	18.80	-0.2
CDF	0.74	161	Pg	18	23.37	-0.4
			Sg	18	33.66	
WLS	0.76	157	Pg	18	23.73	-0.3
ECH	0.91	170	Pg	18	26.87	0.2
VITF	1.09	215	Pg	18	29.30	-0.4
FEL	1.43	149	Pg	18	36.05	0.6
			Sg	18	56.29	
LOMF	1.76	182	Pn	18	40.58	0.5

S.D. = 0.5 on 7 of 7 obs.

% JUN 04, 1991 10h 26m 31.02±4.79s
 44.357 N ± 15.4km 6.357 E ± 33.3km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.2 (GEN).

PZZ	0.55	74	P	26	42.40	0.0
			S	26	47.73	
RRL	0.64	28	P	26	43.33	-0.7
			S	26	51.73	
STV	0.70	99	P	26	44.35	-0.6
			S	26	52.45	
BHB	0.81	53	P	26	46.46	-0.3
			S	26	55.32	
RSP	1.02	39	P	26	50.81	0.4
			S	27	03.32	
ROB	1.09	93	P	26	51.53	0.0
			S	27	03.73	
IMI	1.19	112	P	26	53.58	0.3
			S	27	08.55	
LSD	1.24	27	P	26	54.71	0.5
			S	27	09.89	
FIN	1.34	96	P	26	55.94	0.2

S.D. = 0.5 on 9 of 9 obs.

? JUN 04, 1991 10h 38m 16.27±5.74s
 44.330 N ± 23.0km 6.397 E ± 34.4km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.2 (GEN).

PZZ	0.53	71	P	38	27.13	0.0
			S	38	32.97	
RRL	0.65	25	P	38	29.28	-0.2
			S	38	36.77	
STV	0.67	97	P	38	29.69	0.0
			S	38	37.48	
BHB	0.80	50	P	38	31.64	-0.2
			S	38	40.97	
RSP	1.03	36	P	38	36.10	0.4
			S	38	47.38	

S.D. = 0.3 on 5 of 5 obs.

JUN 04, 1991 10h 42m 07.38±0.95s
 18.161 S ± 8.9km 178.364 W ± 8.0km
 DEPTH = 601.6 ± 11.5 km
 4.7mb (20 obs.)

FIJI ISLANDS REGION (181)

AFI	7.61	57	e(P)	44	03.00	-0.7
DZM	14.79	252	iPc	45	16.00	2.6
NOZ	20.62	188	P	46	09.70	1.6
MNG	23.00	192	eP	46	27.90	-1.7
THZ	24.68	196	eP	46	44.40	-0.1
KHZ	25.14	194	eP	46	47.20	-1.2
LTZ	25.80	196	eP	46	52.90	-1.4
BRS	28.09	246	iPd	47	14.50	0.1
	0.8s		4.00nm			4.1mb

COO	29.68	240	iPc	47	29.30	1.3
RMO	31.46	249	iPc	47	43.50	0.6
			i	47	48.40	

CNB	33.31	233	iPd	48	00.10	1.6
			i	48	05.00	

CAN	33.59	233	iPc	48	01.90	1.1
BWA	33.71	235	iPc	48	00.70	-1.1
PMG	34.55	280	eP	48	09.00	0.1
	0.9s		168.07nm			5.7mb
CMS	34.94	241	iPc	48	13.10	1.2

0.6s 29.00nm 5.1mb

OJP	35.48	250	iPd	48	18.00	0.5
			i	48	22.00	
LAT	35.63	284	iPc	48	19.10	1.3
TOO	37.04	231	iPc	48	30.60	1.4
	0.8s		36.00nm			5.0mb
STK	38.55	241	iPd	48	42.50	1.0
	0.7s		21.50nm			4.8mb

			ePcP	50	38.80	
			eS	53	55.80	
OIS	39.65	260	eP	48	49.00	-1.5
WB2	44.62	260	iPd	49	28.40	-1.1
			i	50	30.10	
			i	50	58.90	
			e	55	19.40	
			i	58	07.40	

MTN	48.84	269	iPc	50	00.30	-1.2
FORR	49.90	245	eP	50	08.00	-1.1
	0.3s		25.00nm			5.2mb

WARB	51.24	251	iPd	50	18.20	-0.8
	0.3s		16.00nm			4.9mb
COOL	55.88	245	eP	50	50.20	-1.6
	0.4s		8.00nm			4.4mb

MEKA	58.46	250	eP	51	07.00	-2.3
KLB	58.75	244	iPc	51	10.20	-0.9
	0.6s		23.00nm			4.6mb

BAL	59.71	245	eP	51	16.50	-1.0
	0.5s		12.00nm			4.4mb
MUN	60.05	243	eP	51	19.50	-0.2
	0.6s		38.00nm			4.8mb

NANU	61.69	254	eP	51	30.00	-0.5
CGP	62.11	290	eP	51	31.50	-1.6
	0.5s		13.00nm			4.5mb

MAT	68.13	323	iPd	52	08.40	-1.9
	0.7s		13.70nm			4.6mb
NJ2	78.13	309	P	53	07.00	0.2

MDJ	78.42	325	eP	53	08.00	0.0
	1.0s		30.00nm			4.7mb
CN2	80.24	322	Pd	53	17.20	-0.4
	1.0s		20.00nm			4.5mb

			eS	02	36.00	
WHN	80.79	306	eP	53	20.50	-0.1
SNG	83.75	280	eP	53	36.90	1.1

BJI	83.99	315	eP	53	36.00	-0.4
	1.5s		29.00nm			4.7mb
GYA	85.20	300	P	53	43.20	0.4

TIY	85.47	312	Pd	53	43.80	0.0
ALO	86.22	52	eP	53	49.90	2.3
	0.8s		1.31nm			3.7mb

			e	55	57.00	
ANMO	86.22	51	eP	53	49.80	2.2
	1.0s		1.00nm			3.5mb X

			pP	56	02.00	620kmX
NNT	86.35	284	eP	53	49.30	1.0

XAN	86.45	307	Pd	53	48.50	0.0
HHC	87.48					

PRU	146.60	345	PKPd	00 43.00	2.2	& JUN 04, 1991 12h 22m 31.93s	GLB	3.51	109	ePc	23 23.53	-1.8
			e	00 45.50		62.756 N 150.727 W				eS	24 02.55	
			e	00 47.50		DEPTH = 92.0km	IMA	3.56	340	eP	23 25.70	-0.5
MOX	146.62	348	ePKP	00 43.30	2.4X	3.5mb (3 obs.)	TMW	3.57	77	eP	23 26.00	-0.1
	1.1s	13.00nm				CENTRAL ALASKA	AUH	3.65	202	eP	23 28.04	0.7
EYL	146.84	318	ePKP	00 43.70	2.0	<AEIC>.	AUI	3.68	202	eP	23 26.70	-0.9
ENN	147.29	355	ePKP	00 44.50	2.6X		RAGM	3.74	127	eP	23 27.20	-1.4
	0.7s	11.00nm				CUT	0.41	149	iPd	22 46.30	-0.1	
			e	00 48.00		HUR	0.55	66	ePd	22 47.17	-0.3	
PRNI	147.38	298	iPKPd	00 46.00	3.2X				eS	22 58.32		
SRO	147.43	339	iPKP	00 45.20	3.0X	TRF	0.73	16	ePc	22 49.14	-0.2	
MEM	147.44	355	PKPd	00 44.90	2.8X	SKT	0.86	206	ePd	22 50.32	-0.2	
ZST	147.50	341	ePKP	00 45.10	2.8X				eS	23 04.23		
			e	00 49.80		RND	1.07	52	iPc	22 52.62	-0.4	
GRF	147.61	348	e(PKP)	00 42.00	-0.5				eS	23 07.86		
			id	00 46.10		PWA	1.18	160	iPc	22 54.40	0.3	
			ed	00 50.60		MCK	1.27	39	iPd	22 55.03	-0.3	
KHC	147.63	345	PKP	00 45.50	2.9X				S	23 12.55		
DOU	148.05	356	PKPd	00 46.70	3.5X	SUA	1.30	180	iPd	22 55.69	-0.1	
	0.7s	18.90nm							S	23 15.63		
MFT	148.48	321	ePKP	00 47.00	2.7X	GHO	1.30	139	iPc	22 55.88	0.2	
KGT	148.67	321	ePKP	00 48.00	3.6X				eS	23 14.65		
GWF	148.88	352	PKP	00 48.84	4.3X	PLRM	1.39	147	iPc	22 56.36	-0.3	
WLS	149.47	352	PKP	00 50.05	4.6X	PMR	1.39	147	iPc	22 56.50	-0.2	
CDF	149.48	353	PKP	00 49.92	4.4X	SML	1.47	129	ePc	22 57.48	-0.3	
KBA	149.59	344	iPKPd	00 49.60	3.7X	NCG	1.51	207	iPd	22 58.14	-0.3	
	0.9s	18.40nm				BWN	1.53	21	iPd	22 58.47	-0.1	
			ic	00 50.00					eS	23 18.10		
			i	00 54.00		CGLM	1.57	203	eP	22 58.99	-0.2	
			i	00 59.00					S	23 20.19		
			e	06 32.00		PMS	1.61	160	ePc	22 59.25	-0.4	
			e(Sg)	07 15.00		CRP	1.64	205	iPd	22 59.94	-0.2	
EZN	149.64	320	iPKP	00 49.80	3.9X	BGL	1.69	208	iPd	23 00.87	0.1	
ECH	149.69	353	PKP	00 50.21	4.5X	KNK	1.72	141	iPc	23 00.52	-0.5	
VITF	149.81	354	PKP	00 50.90	5.0X				eS	23 23.06		
WTTA	149.83	346	iPKPc	00 51.00	4.8X	CKL	1.74	207	iPd	23 01.23	-0.2	
	0.7s	25.80nm				SCM	1.84	119	iPc	23 01.95	-0.7	
			ic	00 51.20		NEA	1.97	21	iPd	23 03.49	-0.8	
			i	00 56.10					eS	23 27.77		
PTJ	149.89	340	ePKP	00 50.50	4.3X	NKA	2.03	187	ePd	23 07.74	2.6	
FEL	149.91	351	PKP	00 50.86	4.6X	WRH	2.09	33	iPd	23 04.98	-0.9	
SQTA	149.97	347	iPKPd	00 51.20	4.9X	TOA	2.22	105	iPc	23 08.00	0.3	
	0.8s	22.90nm				SLKM	2.27	174	eP	23 08.87	0.5	
			ic	00 51.40					eS	23 35.42		
BSF	150.11	353	PKP	00 51.45	4.9X	CCB	2.30	33	iPd	23 07.70	-1.1	
LJU	150.21	342	ePKP	00 51.50	4.9X	RDT	2.33	201	eP	23 08.67	-0.6	
VOY	150.41	343	ePKP	00 52.00	5.0X	THY	2.36	71	eP	23 09.94	0.3	
VBY	150.47	340	iPKP	00 52.40	5.4X	DFR	2.36	204	eP	23 09.10	-0.6	
			e	00 57.60		HDA	2.36	44	iPd	23 08.73	-0.9	
LOMF	150.58	353	PKP	00 52.20	5.0X				eS	23 38.76		
VAY	150.77	327	ePKP	00 52.00	4.5X	RDS	2.37	28	iPd	23 08.93	-0.8	
SKO	150.87	329	ePKP	00 53.40	5.7X	SDG	2.41	93	ePc	23 09.93	-0.3	
LOR	150.91	357	ePKP	00 47.70	0.1				eS	23 41.24		
	0.8s	2.70nm				PAX	2.42	83	ePc	23 10.43	-0.1	
SSF	151.14	357	ePKP	00 48.20	0.3				eS	23 39.16		
	0.6s	2.25nm				DDM	2.43	63	eP	23 09.88	-0.7	
LBF	151.19	357	ePKP	00 48.20	0.1				eS	23 39.75		
	1.0s	6.00nm				TTA	2.43	276	iPd	23 10.10	-0.5	
MFF	151.60	3	ePKP	00 48.80	0.2	NCT	2.44	206	ePd	23 10.44	-0.3	
	1.0s	8.00nm				RDN	2.45	204	ePd	23 10.34	-0.6	
BGF	151.66	358	ePKP	00 47.80	-0.9	REF	2.46	203	ePd	23 10.68	-0.5	
	0.8s	6.70nm				MDM	2.47	25	iPd	23 10.29	-0.8	
OHR	151.83	328	ePKP	00 54.30	5.1X				eS	23 37.07		
TCF	151.95	359	ePKP	00 48.30	-0.9	RDW	2.49	204	ePd	23 11.14	-0.4	
	0.8s	2.70nm				RS2	2.50	204	eP	23 11.40	-0.2	
LSF	151.99	0	ePKP	00 48.10	-1.1	RSO	2.50	204	ePd	23 11.29	-0.4	
	0.8s	2.70nm				FBA	2.51	30	iPd	23 11.30	-0.4	
KIC	166.72	151	PKP	01 05.90	-0.4	RED	2.54	204	eP	23 12.09	0.0	
	S.D. = 1.2	on 74	of 106	obs.		GLI	2.55	136	iPc	23 10.83	-1.4	
						TZL	2.57	104	ePc	23 12.10	-0.3	
% JUN 04, 1991 11h 51m 52.08±0.85s						KLU	2.59	117	iPc	23 11.13	-1.6	
40.668 N ±0.2km 0.550 W ±6.9km						VZW	2.61	129	ePc	23 11.12	-1.9	
DEPTH = 10.0km (geophysicist)						VLZ	2.64	126	ePc	23 11.40	-1.9	
SPAIN (377)						GLM	2.68	32	iPd	23 13.05	-1.0	
mbLg 2.7 (MDD).						SEW	2.73	166	ePc	23 14.10	-0.5	
						KNIM	2.81	148	ePc	23 13.30	-2.4	
EROO	0.75	78	eP	52 07.00	0.3	SVW	2.84	237	iPd	23 16.00	-0.2	
			eS	52 19.00					0.5s 330.58nm			
EBR	0.81	79	eP	52 07.00	-0.7	LT1	3.06	152	ePc	23 16.77	-2.3	
			e	52 20.00		HIN	3.11	138	ePc	23 18.02	-1.9	
ECHE	1.12	197	eP	52 13.60	0.4				eS	23 56.23		
			eS	52 30.00		DOT	3.15	71	ePd	23 19.36	-1.0	
ETOR	1.15	278	eP	52 12.70	-1.0				eS	23 57.57		
			eS	52 29.20		CVA	3.25	131	eP	23 20.10	-1.6	
ECRI	2.43	324	eP	52 33.50	1.0	CNPM	3.25	185	ePd	23 21.64	-0.1	
	S.D. = 1.2	on 5	of 5	obs.		PDB	3.42	211	eP	23 23.36	-0.7	
						SGAM	3.47	128	eP	23 22.92	-1.9	

04d 14h

eS 38 29.30
 MCK 1.52 358 eP 38 15.49 -0.6
 KLU 1.55 117 eP 38 15.65 -1.0
 SDG 1.55 77 eP 38 16.15 -0.5
 GLI 1.58 148 iP 38 16.07 -0.9
 VZW 1.59 136 eP 38 16.14 -1.0
 TZL 1.60 95 eP 38 17.21 -0.1
 VLZ 1.61 132 eP 38 15.95 -1.4
 PAX 1.72 63 eP 38 18.64 -0.4
 CGLM 1.78 240 eP 38 18.99 -0.9
 NCG 1.79 244 eP 38 19.38 -0.7
 SLKM 1.85 202 eP 38 20.70 -0.1
 KNIM 1.95 164 eP 38 21.29 -0.9
 BGL 1.96 242 eP 38 23.11 0.7
 SEW 2.15 189 eP 38 23.86 -1.1
 LTI 2.24 168 eP 38 25.18 -1.1
 GLB 2.50 106 eP 38 28.84 -1.3

29 obs. associated

JUN 04, 1991 15h 03m 26.05±0.14s
 31.601 S ± 3.9km 179.811 E ± 4.0km
 DEPTH = 398.5km (3 depth phases)
 5.2mb (45 obs.)

KERMADEC ISLANDS REGION (177)
 CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
 L.P.B.: 14S, 24C

Centroid Location:

Origin Time 15:03:33.9 0.8

Lat 31.075 0.07 Lon 179.46E 0.06

Dep 412.9 2.9 Half-duration 1.8

Moment Tensor: Scale 10**17 Nm

Mrr=-0.99 0.05 Mtt=-0.09 0.10

Mff=1.08 0.09 Mrt=-0.32 0.08

Mrf=-0.50 0.10 Mtf=0.43 0.07

Principal Axes:

T Val= 1.36 Plg=14 Azm=109

N -0.21 8 201

P -1.15 74 321

Best Double Couple: Ma=1.3*10**17

NP1: Strike=188 Dip=32 Slip=-105

NP2: 26 59 -81

RAO 3.05 41 P 04 27.00 -3.0
 S 05 01.80
 HBZ 6.11 191 P 05 00.00 -0.4
 PUZ 6.58 191 P 05 04.80 -0.9
 S 06 24.00
 WLZ 7.13 208 eP 05 15.50 3.7X
 S 06 41.90
 NOZ 7.15 191 P 05 11.30 -0.7
 WHH 7.76 200 P 05 18.90 -0.1
 HITZ 7.83 204 eP 05 22.60 2.8
 RATZ 7.97 203 eP 05 21.70 0.3
 KETZ 8.22 203 eP 05 26.50 2.1
 TTH 8.29 196 eP 05 26.40 1.4
 NGZ 8.30 203 P 05 24.80 -0.6
 MNG 9.65 200 P 05 38.00 -2.9
 S 07 25.60
 KIW 10.05 202 eP 05 43.80 -1.8
 DIW 10.34 206 eP 05 46.00 -2.9
 WDW 10.40 201 eP 05 46.90 -2.7
 MRW 10.45 202 eP 05 47.00 -3.2X
 S 07 43.50
 WEL 10.48 201 P 05 51.00 0.4
 S 07 43.00
 TCW 10.58 203 eP 05 49.00 -2.7
 S 07 45.00
 THZ 11.55 207 eP 06 00.90 -2.3
 S 08 04.10
 KHZ 11.90 203 P 06 04.10 -3.2X
 S 08 11.00
 LTZ 12.67 206 eP 06 13.60 -2.2
 S 08 28.00
 MQZ 13.34 203 P 06 21.40 -1.5
 S 08 41.00
 DZM 15.23 305 iPc 06 43.80 0.5
 MSZ 16.03 212 eP 06 53.60 2.3
 PVC 17.29 320 iPc 07 08.50 4.2X
 BRS 23.88 273 iPc 08 10.00 2.7
 0.9s 17.00nm 4.5mb
 i(Pp) 08 19.00 32kmX
 i 11 33.60
 S 12 09.00
 COO 23.91 265 iPc 08 11.00 3.4X
 0.6s 47.00nm 5.1mb
 i 11 38.70

CNB 25.62 253 iPd 08 26.20 3.2X
 i 09 05.00
 i 11 41.60
 i 14 43.20
 CAN 25.92 253 eP 08 28.10 2.4
 e 09 45.50
 e 10 00.60
 iPcP 11 41.70
 BWA 26.42 255 eP 08 30.00 -0.2
 e 09 42.10
 e 10 03.00
 iPcP 11 42.00
 RMO 27.57 273 iPc 08 42.00 1.6
 0.6s 59.00nm 5.1mb
 i 08 56.50
 i 11 47.40
 i 14 50.70
 TAU 28.05 237 iPc 08 46.90 2.5
 e 11 47.30
 e 14 49.00
 TBI 28.40 81 iP 08 47.00 -0.7
 0.6s 75.00nm 5.2mb
 TOO 28.77 249 eP 08 53.00 2.1
 i 11 49.00
 i 14 51.60
 CMS 28.90 261 iPc 08 54.00 2.0
 i 10 37.40
 e 14 51.70
 AFR 30.88 70 iP 09 08.10 -1.2
 1.0s 235.00nm 5.5mb
 PAE 30.97 71 iP 09 09.00 -1.1
 1.0s 120.00nm 5.2mb
 PPT 31.02 70 iP 09 09.70 -0.9
 1.0s 120.00nm 5.2mb
 BFD 31.11 249 eP 09 14.00 2.8
 e 10 41.00
 i 11 55.00
 i 14 58.70
 PPN 31.16 71 iP 09 10.80 -0.9
 1.0s 115.00nm 5.2mb
 TVO 31.17 71 iP 09 10.80 -1.1
 1.0s 130.00nm 5.2mb
 QLP 31.40 270 iPd 09 14.70 0.9
 e 10 38.00
 i 11 57.20
 i 15 02.20
 CTA 32.18 283 P 09 22.20 1.7
 STK 32.39 259 eP 09 23.80 1.6
 0.4s 30.90nm 5.0mb
 i 09 35.50
 eP 10 35.80 383kmX
 ePP 10 59.20
 ePcP 11 56.70
 iS 14 10.10
 iScP 15 04.30
 PMO 33.78 68 iP 09 33.70 -0.3
 1.0s 55.00nm 4.8mb
 VAH 33.86 69 iP 09 34.20 -0.4
 1.0s 75.00nm 5.0mb
 TPT 34.01 68 iP 09 36.00 0.1
 1.0s 80.00nm 5.0mb
 RUV 34.08 69 iP 09 36.70 0.2
 1.0s 45.00nm 4.8mb
 ADE 34.35 253 eP 09 41.00 2.3
 QIS 37.56 277 eP 10 05.00 -0.6
 i 12 13.60
 i 15 24.50
 WRA 42.29 275 P 10 43.00 -1.1
 0.7s 74.90nm 5.1mb
 FORR 43.88 257 eP 10 56.60 0.1
 0.4s 79.00nm 5.4mb
 WARB 46.49 263 eP 11 16.00 -1.0
 SBA 46.71 184 iPd 11 21.90 3.9X
 MTN 48.34 281 eP 11 30.10 -1.1
 KNA 48.91 277 eP 11 34.90 -0.6
 COOL 49.62 255 eP 11 40.00 -0.9
 0.6s 47.00nm 5.0mb
 e 12 54.00
 e 16 10.30
 KLB 52.19 253 iPc 11 59.20 -0.5
 NWAO 52.22 251 eP 12 04.00 4.0X
 MEKA 53.17 259 eP 12 05.50 -1.5
 MUN 53.33 252 eP 12 07.00 -1.0
 BAL 53.35 253 eP 12 07.00 -1.2
 e 13 08.00
 e 16 26.00

MBL 54.15 266 iPc 12 12.90 -1.2
 0.3s 12.00nm 4.7mb
 MRWA 54.38 255 eP 12 14.40 -1.3
 GUA 55.99 318 eP 12 24.80 -2.2
 0.8s 137.31nm 5.3mb
 PJG 56.05 318 eP 12 24.80 -2.6
 NANU 57.23 262 iPc 12 35.10 -0.6
 0.4s 9.00nm 4.6mb
 SPA 58.57 180 iPd 12 46.30 1.8
 1.0s 12.50nm 4.3mb
 i 13 30.50
 e 20 20.00
 CGP 66.01 297 eP 13 34.00 0.6
 MAW 70.52 201 iPd 14 00.60 0.5
 AIA 71.58 156 eP 14 08.30 1.9
 KAKJ 77.01 328 eP 14 35.80 -1.5
 CHJJ 77.42 327 eP 14 38.30 -1.3
 IIDJ 77.46 326 eP 14 38.80 -1.1
 NVL 77.56 184 ePc 14 41.00 1.1
 e 14 45.00
 e 14 50.00
 e 15 06.00
 e 16 08.00
 MAT 78.19 327 iPd 14 42.10 -1.6
 1.0s 42.00nm 5.1mb
 SNA 78.37 179 iPd 14 46.00 1.8
 1.0s 338.00nm 6.0mb
 MTMJ 78.41 327 P 14 44.10 -1.0
 TSRJ 78.44 325 P 14 44.40 -0.7
 YAMJ 78.70 329 eP 14 45.80 -0.6
 OFUJ 78.76 331 eP 14 45.80 -0.9
 AOMJ 80.54 331 eP 14 56.60 0.6
 HOOJ 80.92 333 P 14 59.60 1.7
 KUSJ 81.00 335 P 14 58.60 0.3
 ASAJ 82.65 334 P 15 07.80 1.1
 IPM 82.87 280 ePc 15 11.00 2.4
 1.0s 28.40nm 5.0mb
 SSE 83.50 313 P 15 11.00 -0.3
 1.1s 29.00nm 4.9mb
 SNG 84.60 282 eP 15 17.90 0.7
 NJ2 85.62 312 Pd 15 22.00 0.3
 1.1s 100.00nm 5.6mb
 SYP 86.80 46 eP 15 29.00 1.4
 TACH 86.97 128 iPc 15 30.00 1.5
 PRS 87.18 44 ePd 15 30.20 1.0
 PCH 87.27 128 eP 15 31.50 1.5
 GCC 87.29 43 ePd 15 30.50 0.8
 PCC 87.39 42 ePd 15 30.70 0.6
 SAO 87.43 43 ePd 15 30.80 0.4
 PEL 87.44 128 iPd 15 32.50 1.7
 0.5s 42.25nm 5.5mb
 PRI 87.47 44 ePd 15 32.00 1.3
 WHN 87.59 308 Pd 15 32.00 0.8
 1.0s 100.00nm 5.6mb
 S 25 40.00
 LLA 87.63 44 ePd 15 32.20 0.9
 BAR 87.67 49 eP 15 32.00 0.4
 PAS 87.67 47 eP 15 32.00 0.4
 MHC 87.71 43 ePd 15 32.80 0.9
 BRK 87.72 42 ePd 15 32.40 0.7
 BKS 87.74 42 eP 15 32.60 0.8
 0.9s 109.00nm 5.7mb
 ePcP 16 12.80
 ePP 19 28.00
 MWC 87.79 47 eP 15 33.00 0.6
 PLM 87.98 48 iPd 15 34.00 0.7
 RVR 88.07 48 eP 15 34.00 0.6
 PEC 88.14 48 P 15 34.20 0.4
 SBB 88.24 47 iPd 15 35.00 0.7
 ISA 88.48 46 iPd 15 36.00 0.6
 MDJ 88.57 327 iPd 15 36.00 0.5
 1.3s 160.00nm 5.7mb
 DL2 88.58 318 P 15 35.40 -0.3
 1.4s 320.00nm 6.0mb
 FRI 88.61 44 iPd 15 36.30 0.4
 CMB 88.91 43 iPd 15 37.70 0.3
 TPC 88.98 48 iPd 15 39.00 1.2
 GLA 89.10 50 iPd 15 40.00 1.7
 CLC 89.11 46 iPd 15 39.00 0.7
 GSC 89.27 47 iPd 15 40.00 0.9
 ORV 89.31 41 ePd 15 39.50 0.4
 TIA 89.43 314 eP 15 40.40 0.7
 SNY 89.54 322 Pd 15 39.70 -0.3
 1.0s 100.00nm 5.6mb
 MIN 89.79 41 eP 15 41.50 0.1
 CN2 89.98 324 iPd 15 41.90 -0.1
 1.0s 100.00nm 5.6mb

				pP	17	15.00	401km					N	20s	0.70um					i	23	21.70								
				S	26	02.00						E	20s	0.40um					i	23	23.50								
GYA	90.53	301	P		15	46.00	0.8											i	23	26.90									
								5.5mb					NUR	146.75	338	iPKP	22	21.60	1.6	VBY	161.64	324	iPKP	22	40.30	0.1			
TNP	1.4s	100.00nm						5.3mb						0.9s	642.10nm					WTTA	161.92	333	iPKPc	22	40.10	-0.6			
				0.8s		32.35nm							RGS	147.84	351	ePKP	22	21.20	-0.4						1.1s	29.30nm			
						pP	17	18.30	397km							i	22	24.50								i	22	44.90	
CHG	92.23	291	eP		15	54.00	1.1					SHBJ	148.06	281	PKP	22	31.15	8.0X							i	23	29.20		
BJI	92.48	316	eP		15	54.00	0.4					CSTJ	148.61	279	PKPd	22	32.40	8.4X	SQTA	162.12	334	ePKP	22	40.20	-0.6				
				1.0s		20.00nm		5.1mb					MOL	148.62	353	iPKPd	22	26.57	3.7X						0.7s	41.70nm			
Z	18s		1.47um				5.5msz					MDSJ	149.06	280	PKPd	22	33.47	8.8X							i	22	41.00		
N	14s		0.85um									UPP	149.33	342	iPKP	22	27.50	3.5X							i	23	30.10		
E	14s		0.67um											i	22	33.90						CDF	162.28	343	ePKP	22	39.90	-1.0	
				eS	26	14.00						HQL	149.60	275	iPKPc	22	25.90	0.5						1.0s	8.00nm				
KMI	92.70	298	Pd		15	51.00	-4.3X					NB2	149.61	349	PKP	22	23.40	-1.1	OGA	162.48	334	iPKPc	22	41.40	0.1				
				1.7s		70.00nm		5.4mb					AKSR	149.61	263	iPKPd	22	31.50	5.9X							i	23	32.20	
TIY	93.28	313	Pd		15	58.00	0.5					FRO	149.65	355	iPKPd	22	30.02	5.6X	FLN	162.86	1	ePKP	22	41.10	-0.2				
Z	11s		0.25um				4.9mszx					HRI	149.72	283	ePKP	22	25.40	-0.2						1.2s	35.70nm				
XAN	93.36	308	P		15	58.50	0.6					FOO	149.80	355	iPKPd	22	30.68	6.0X	HAU	162.87	345	ePKP	22	40.80	-0.6				
SVW	94.53	12	P		16	00.70	-1.9					ANAL	149.81	263	iPKPd	22	31.50	5.6X						1.0s	8.00nm				
				0.6s		8.37nm		5.0mb					BHL	149.86	284	PKP	22	31.00	5.2X	BSF	162.94	344	ePKP	22	40.80	-0.8			
HHC	95.73	315	P		16	09.20	0.6					AGMR	149.98	263	iPKPd	22	32.00	5.9X						1.2s	23.80nm				
ALO	95.79	52	eP		16	09.00	-0.2					HFS	150.00	346	ePKP	22	23.90	-1.2	LDF	163.03	360	ePKP	22	41.20	-0.3				
				1.0s		5.50nm		4.6mb							0.6s	30.90nm								1.0s	16.00nm				
ANMO	95.79	52	P		16	09.20	0.1					ATZ	150.06	282	ePKP	22	26.10	0.0	GRR	163.22	2	ePKP	22	41.60	-0.1				
				1.1s		6.33nm		4.7mb					RMN	150.22	277	ePKP	22	26.30	-0.2	LPF	163.58	2	ePKP	22	42.00	0.0			
				pP	17	41.70	397km					SUE	150.36	355	ePKPd	22	30.96	5.4X						1.2s	26.80nm				
PV09	96.08	48	P		16	10.40	-0.1					ASK	150.89	355	ePKPd	22	32.33	6.0X	LOR	164.05	350	ePKP	22	41.90	-0.7				
PMR	96.22	14	P		16	09.70	-0.5					BER	150.98	354	ePKPd	22	32.43	6.0X	ARV	164.23	323	PKP	22	43.02	0.2				
				0.7s		10.47nm		5.1mb					EGD	151.10	354	iPKPd	22	32.79	6.1X						1.2s	22.30nm			
PNT	96.89	35	eP		16	14.00	0.5					KAS	151.17	299	ePKP	22	27.50	0.0	SSF	164.30	351	ePKP	22	42.10	-0.7				
				0.5s		6.00nm		5.1mb					CSS	151.85	286	ePKP	22	35.20	6.6X	LBF	164.31	349	ePKP	22	42.30	-0.5			
BALM	97.33	18	P		16	14.70	-0.6					PPCY	152.66	286	ePKP	22	36.50	6.8X	TDS	164.36	305	PKP	22	43.38	0.3				
LZH	97.94	307	eP		16	19.00	0.2					LIC	154.35	169	PKP	22	33.40	0.8	AVF	164.59	351	ePKP	22	42.50	-0.5				
				1.5s		28.00nm		5.4mb						0.9s	37.00nm								1.2s	26.80nm					
BW06	98.31	45	P		16	19.80	-0.6					TIC	154.76	169	PKPd	22	34.04	0.8	SMF	164.66	349	ePKP	22	42.70	-0.4				
ZOBO	99.36	116	P		16	29.00	2.7						0.7s	33.50nm								1.0s	13.00nm						
YAK	101.63	338	iPd	16	33.50	-1.0					EKA	156.18	4	PKPd	22	34.30	0.4	CZI	164.69	304	PKP	22	40.00	-3.3X					
				e	20	44.00							0.6s	3.40nm							BGF	164.88	352	ePKP	22	42.70	-0.6		
GTA	102.41	309	ePd	16	39.20	0.4					KRA	156.22	327	ePKP	22	33.60	-0.5	MFF	165.02	360	ePKP	22	43.40	0.0					
				1.4s		10.00nm		5.3mb					SPC	156.65	325	ePKP	22	34.90	0.0	TCF	165.22	353	ePKP	22	43.00	-0.6			
INK	105.45	16	ePKP	21	01.00	-1.6					DMU	157.20	10	ePKP	22	36.00	0.8	LSF	165.31	355	ePKP	22	43.00	-0.7					
GUN	107.13	292	PKP	21	06.14	-1.4					KDZ	157.21	303	ePKP	22	34.00	-1.6	CAF	166.58	353	ePKP	22	45.00	0.3					
YKA	107.34	26	ePd	17	03.70	3.8X					KSP	157.22	332	ePKP	22	35.20	-0.1	LFF	166.66	357	ePKP	22	44.60	-0.1					
				0.6s		0.90nm		5.1mb						0.8s	100.00nm								1.2s	23.80nm					
YKA	107.34	26	ePKP	21	04.70	-1.6							i	22	46.70		STG	166.90	338	ePKP	22	44.40	-0.6						
				0.5s		4.90nm							LKO	157.49	166	PKP	22	37.40	0.7	STS	166.92	28	ePKP	22	46.00	1.0			
PKI	107.35	292	PKP	21	06.34	-1.6							ic	23	08.80		LRG	167.08	338	ePKP	22	44.60	-0.5						
				0.6s		22.00nm								0.8s	45.00nm								1.4s	69.70nm					
GBA	107.44	275	PKPd	21	07.40	-0.5					DCN	157.67	11	ePKP	22	36.00	0.3	EPF	168.58	358	ePKP	22	46.70	0.5					
				0.7s		7.10nm							RZN	157.69	304	iPKPc	22	35.00	-1.4	ECRI	168.86	9	ePKP	22	48.00	1.6			
KKN	107.55	292	PKP	21	06.70	-1.5					PGB	157.78	306	ePKP	22	38.00	1.7	EPLA	170.30	28	ePKP	22	49.00	1.8					
GKN	108.15	292	PKPd	21	01.69	-7.5X					CLL	158.03	337	iPKP	22	36.20	0.0	ETOR	170.68	9	ePKP	22	49.00	1.5					
WMO	112.49	308	PKPd	21	16.00	-0.8						1.1s	170.00nm							TOL	171.16	20	iPKPc	22	47.50	-0.1			
MBC	114.00	13	ePKPd	21	17.30	-1.4							pPKP	24	50.00		LPO	166.89	356	ePKP	22	45.20	0.3						
				0.6s		21.00nm							BRG	158.08	336	iPKP	22	36.30	0.0	FRF	166.90	338	ePKP	22	44.40	-0.6			
FRS	114.35	204	iPKPc	21	21.00	0.3							i	23	12.00								1.4s	52.30nm					
				0.6s		26.67nm							MMB	158.43	304	ePKP	22	36.00	-1.0	VAL	171.95	40	ePKP	22	50.00	2.0			
BUL	121.60	212	iPKPd	21	34.80	-0.2					PRU	158.58	333	ePKP	22	39.50	2.6X	ECHE	172.00	4	ePKP	22	50.00	2.0					
				1.0s		40.00nm								e	22	49.10		AVE	173.66	73	iPKP	22	50.50	1.7					
MTD	123.05	217	iPKPd	21	37.00	-0.8					KKB	158.78	305	ePKP	22	36.00	-1.4	ECOG	173.69	25	ePKP	22	49.00	0.1					
				i	21	41.20							ZST	158.85	327	ePKP	22	36.80	-0.4	TIO	173.91	94	iPKP	22	50.60	1.4			
GAR	123.28	299	iPKPd	21	37.20	-0.5							i	23	15.90		ENIJ	174.39	17	ePKP	22	50.50	1.5						
KRI	123.99	215	iPKPd	21	39.50	-0.2					WTS	158.98	348	iPKPc	22	37.40	0.2	IFR	175.41	64	iPKPd	22	52.00	2.5X					
				i	21	47.10							MOX	159.05	339	ePKP	22	37.00	-0.4					S.D. = 1.2 on 229 of 268 obs.					
SCH	128.42	43	ePKP	21	45.00	-2.0X							i	23	16.80		% JUN 04, 1991 15h 46m 18.84±0.96s					38.993 N ± 9.3km 29.029 E ±10.4km							
MAIO	130.94	293	iPKPc	21	52.80	0.4					VKA	159.16	328	ePKP	22	36.00	-1.6					DEPTH = 10.0km (geophysicist)							
				0.9s		9.38nm								1.3s	97.00nm							TURKEY (366)							
DAG	133.92	6	iPKPd	21	55.20	-1.6							i	22	37.60						MD 2.5 (ISK).								
				0.7s		17.12nm								i	23	17.40		EVAL	171.95	40	ePKP	22	50.00	2.0					
IR4	137.58	289	ePKP	21	56.00	-9.1X					VAY	159.33	304	ePKP	22	36.60	-1.4	ECHE	172.00	4	ePKP	22	50.00	2.0					
IR1	137.78	289	ePKP	21	58.00	-7.5X							i	23	17.50		AVE	173.66	73	iPKP	22	50.50	1.7						
IR7	137.89	290	ePKP	21	57.00	-8.7X					KHC	159.64	333	iPKPc	22	38.00	-0.1	ECOG	173.69	25	ePKP	22	49.00	0.1					
KEV	138.85	346	ePKP	21	58.00	-8.1X					SKO	159.87	307	iPKP	22	37.50	-1.0	TIO	173.91	94	iPKP	22	50.60	1.4					
				0.8s		20.50nm									i	22	51.80		ENIJ	174.39	17	ePKP	22	50.50	1.5				
				i	22	07.00									i	23	20.90		IFR	175.41	64	iPKPd	22	52.00	2.5X				
SOD	140.85	344	iPKP	22	02.00	-7.8X					WET	159.90	334	iPKPc	22	38.30	-												

04d 15h

KHL 0.77 150 ePg 46 33.90 -0.1
 ALT 0.84 85 ePg 46 35.20 0.0
 IZI 1.39 14 ePn 46 44.40 0.2
 KGT 1.97 318 ePn 46 53.00 0.4
 S.D. = 0.4 on 5 of 5 obs.

JUN 04, 1991 16h 02m 44.96 ± 0.31s
 53.520 N ± 5.2km 161.168 E ± 5.7km
 DEPTH = 22.3km (13 depth phases)
 5.2mb (69 obs.) 4.6Msz (8 obs.)
 OFF EAST COAST OF KAMCHATKA (219)

KUSJ 15.08 233 eP 06 12.50 -5.6X
 ASAJ 15.37 240 eP 06 23.00 1.1
 HOOJ 16.31 234 eP 06 31.60 -2.3
 MRRJ 17.38 238 eP 06 44.40 -3.0X
 YAK 18.63 310 iPc+ 07 01.80 -1.0

ipP 07 17.00
 iPP 07 30.00
 ePP 07 40.00
 i 09 48.00
 eS 10 49.00
 iPcP 11 11.00
 esS 11 30.00
 eSS 11 53.00

AOMJ 19.11 236 eP 07 05.10 -3.7X
 OFUJ 19.65 231 eP 07 13.50 -1.6
 YAMJ 21.14 232 eP 07 28.60 -1.9
 MDJ 22.36 259 eP 07 42.00 -0.6

Z 17s 1.30um 4.4MszX
 N 16s 1.40um
 E 16s 1.20um

NIIJ 22.38 232 eP 07 43.50 0.6
 KAKJ 22.69 229 eP 07 47.40 1.5
 MAT 23.32 233 eP 07 53.00 0.9

1.0s 160.00nm 5.5mb
 Z 20s 1.06um 4.3Msz
 eS 12 14.00

CHJJ 23.35 230 P 07 54.30 1.9
 MTMJ 23.48 233 eP 07 55.70 2.0
 SVW 24.14 54 e(P) 07 59.00 -0.9

IIDJ 24.32 231 eP 08 03.30 1.4
 TSRJ 25.19 235 eP 08 10.80 0.6
 CN2 25.27 262 eP 08 09.50 -1.3

Z 16s 6.40um 5.2MszX
 N 15s 1.00um
 E 15s 0.40um

epP 08 19.00 34kmX
 eS 12 32.00
 IMA 25.29 43 eP 08 09.80 -1.2

1.1s 11.50nm 4.4mb
 WKYJ 26.45 233 eP 08 22.60 0.7
 YONJ 26.72 238 P 08 25.60 1.2

TKSJ 27.39 235 eP 08 31.30 0.9
 SNY 27.55 260 Pc 08 30.40 -1.4
 Z 16s 1.20um 4.6MszX

E 15s 0.70um
 DL2 30.57 258 eP 08 57.50 -1.4
 1.0s 40.00nm 5.2mb

Z 15s 0.90um 4.5MszX
 N 14s 1.40um
 INK 33.14 38 ePc 09 19.10 -1.9

TIA 35.02 258 eP 09 36.50 -1.2
 HHC 35.29 269 P 09 39.00 -1.1
 Z 18s 1.20um 4.7Msz

N 14s 0.30um
 E 14s 0.50um
 BTO 36.37 270 P 09 49.00 -0.2

N 16s 0.80um
 E 16s 0.60um
 MBC 36.40 23 eP 09 48.00 -0.9

1.0s 8.00nm 4.6mb
 SSE 36.41 248 Pc 09 50.40 0.9
 1.0s 25.00nm 5.0mb

Z 20s 0.50um 4.3Msz
 N 14s 0.40um
 TIY 36.78 265 eP 09 52.00 -0.6

Z 20s 1.25um 4.7Msz
 N 15s 0.71um
 NJ2 37.00 252 Pd 09 54.00 -0.4

1.0s 100.00nm 5.6mb
 Z 20s 0.50um 4.3Msz
 N 14s 0.60um

WHN 40.70 255 Pd 10 25.10 -0.1

1.0s 32.00nm 5.0mb
 N 16s 0.50um
 E 16s 0.60um
 XAN 41.36 263 Pc 10 31.00 20km
 LZH 42.99 270 iPc 10 29.40 -1.3

1.0s 53.00nm 5.2mb
 Z 20s 0.84um 4.6Msz
 N 12s 0.45um
 E 12s 0.41um

pP 10 48.50 15km
 sP 10 52.00
 PP 12 31.00
 GTA 43.20 277 Pc 10 45.40 -0.4

1.4s 80.00nm 5.3mb
 Z 18s 1.20um 4.8Msz
 E 13s 0.80um

pP 10 50.80 18km
 sP 10 53.60
 KBS 46.55 352 eP 11 12.40 0.4
 CD2 46.65 265 P 11 12.80 -0.6

1.0s 100.00nm 5.8mb
 PNT 47.18 61 eP 11 17.00 -0.4
 WMO 47.44 290 P 11 19.20 -0.3

0.8s 51.00nm 5.6mb
 Z 16s 1.80um 5.1MszX
 E 15s 1.32um

pP 11 27.00 26km
 PcP 12 53.00
 S 18 21.00
 GYA 48.22 258 P 11 25.40 -0.4

N 15s 0.60um
 E 15s 0.50um
 pP 11 35.00 32km

PcP 12 53.00
 S 18 21.00
 NEW 49.13 61 eP 11 30.50 -2.1

1.0s 2.25nm 4.2mbX
 KMI 51.53 261 eP 11 51.00 -0.3
 1.5s 70.00nm 5.4mb

Z 18s 0.60um 4.7Msz
 pP 12 04.00 47kmX
 OIZ 52.19 249 eP 11 57.00 0.9

FFC 52.26 47 eP 12 03.00 6.8X
 0.8s 6.00nm 4.6mb
 KEV 52.62 342 eP 11 57.00 -1.6

SOD 54.72 340 iP 12 12.70 -1.5
 LSA 55.04 274 P 12 17.00 -0.6
 TNP 55.85 71 iP 12 22.10 -0.9

0.9s 3.71nm 4.4mb
 BW06 56.75 62 eP 12 29.90 0.4
 0.9s 4.87nm 4.5mb

pP 12 35.30 18km
 FRB 56.86 24 eP 12 26.00 -3.6X
 CHG 58.62 259 iPc 12 43.20 0.6

1.0s 96.50nm 5.8mb
 KAF 59.34 337 eP 12 45.90 -1.2
 0.4s 8.70nm 5.2mb

GUN 59.49 277 P 12 48.16 -0.8
 0.5s 31.00nm 5.7mb
 BDT 59.82 258 eP 12 51.00 0.2

KKN 59.93 277 P 12 50.30 -1.5
 0.5s 39.00nm 5.8mb
 PKI 60.02 277 P 12 50.70 -1.9

GKN 60.16 278 P 12 51.36 -1.9
 1.2s 83.00nm 5.8mb
 GAR 60.28 296 eP 12 49.80 -4.1X

NUR 61.14 337 eP 12 50.30 -1.0
 0.8s 22.30nm 5.3mb
 KHT 62.00 257 eP 13 06.50 0.8

OBN 62.50 328 iPd 13 08.00 -0.5
 1.2s *****nm 8.7mbX
 e 13 22.00 50kmX

NNT 63.10 254 eP 13 13.40 0.5
 UPP 63.25 340 iP 13 12.40 -1.0
 NB2 63.31 344 P 13 12.50 -1.4

1.1s 34.90nm 5.4mb
 HFS 63.74 343 eP 13 14.70 -1.9
 0.6s 12.90nm 5.2mb

Z 17s 0.24um 4.4MszX
 LR 38 02.00
 MAIO 67.96 301 eP 13 44.00 -0.2

QUE 68.70 292 iPd 13 48.60 -0.3
 IPM 68.90 248 ePd 13 43.90 -6.2X
 TUL 68.96 58 e(P) 13 46.20 -4.0X

0.6s 32.20nm 5.6mb
 EKA 70.74 351 P 14 00.00 -0.7
 1.3s 32.20nm 5.3mb

KRA 71.75 335 eP 14 06.70 -0.2
 1.5s 78.00nm 5.5mb
 Z 16s 1.20um 5.3MszX

e 14 12.70 19km
 HYB 71.83 275 eP 14 07.00 -0.9
 1.0s 70.00nm 5.7mb

e 14 13.50 21km
 KSP 71.90 337 iP 14 07.70 -0.1
 1.0s 31.00nm 5.3mb

CLL 72.18 340 iPc 14 08.90 -0.5
 1.2s 62.00nm 5.5mb
 BRG 72.39 339 iP 14 10.80 0.1

1.2s 26.00nm 5.1mb
 SPC 72.47 334 eP 14 11.00 -0.4
 DMU 72.49 353 eP 14 10.80 -0.4

1.0s 74.00nm 5.7mb
 WTS 72.69 344 eP 14 12.50 0.1
 1.0s 20.00nm 5.1mb

DCN 73.07 353 eP 14 14.30 -0.3
 MOX 73.09 340 eP 14 15.00 0.2
 1.5s 41.00nm 5.2mb

PRU 73.10 338 P 14 14.50 -0.3
 Z 15s 0.50um 4.9MszX
 N 16s 0.50um

E 16s 0.20um
 e 14 21.00 21km
 VRI 73.64 329 eP 14 05.00 -13.0X

PSZ 73.73 334 iP 14 19.90 1.3
 POO 73.74 279 iPd 14 15.60 -3.5X
 0.8s 35.82nm 5.5mb

ENN 74.02 344 eP 14 20.00 -0.1
 1.0s 43.00nm 5.4mb
 e 14 35.00 53kmX

GRF 74.08 340 ePc 14 21.30 0.7
 1.2s 39.00nm 5.3mb
 KHC 74.12 339 iP 14 21.50 0.7

1.0s 14.00nm 4.9mb
 Z 14s 0.60um 5.0MszX
 N 14s 0.40um

E 14s 0.50um
 e 14 30.50 29km
 MEM 74.16 344 P 14 21.00 0.1

ZST 74.18 336 eP 14 21.50 0.4
 MLR 74.22 329 eP 14 20.00 -1.6
 UCC 74.24 345 P 14 26.80 5.4X

SNF 74.53 345 P 14 23.10 0.0
 DOU 74.89 345 P 14 25.10 -0.1
 KAS 75.22 322 eP 14 28.50 1.2

GWF 75.45 342 P 14 28.65 0.1
 GBA 75.47 273 Pc 14 29.70 0.7
 1.2s 65.80nm 5.5mb

WLS 76.05 342 P 14 31.97 0.1
 CDF 76.06 342 P 14 31.91 -0.1
 KBA 76.11 338 iPc 14 33.40 1.0

1.0s 62.00nm 5.6mb
 i 14 45.70 42kmX
 i 14 52.60

ECH 76.27 342 P 14 31.97 -1.2
 WTTA 76.30 339 iPd 14 34.00 0.5
 1.0s 16.30nm 5.0mb

ic 14 34.20 1kmX
 i 14 44.70
 SOTA 76.43 339 iPc 14 34.70 0.5

0.9s 25.80nm 5.2mb
 i 14 41.50 22km
 i 14 49.10

FEL 76.44 342 P 14 33.92 -0.3
 VITF 76.48 343 P 14 34.12 -0.2
 PTJ 76.60 336 eP 14 35.10 0.0

HAU 76.62 343 eP 14 35.20 0.1
 1.2s 29.75nm 5.2mb
 MOF 76.63 342 P 14 35.07 -0.2

ZAG 76.68 336 iP 14 36.10 0.7
 BSF 76.71 343 eP 14 35.30 -0.4
 1.0s 12.00nm 4.9mb

JMB 76.74 327 iP 14 35.00 -0.8
 WRA 76.74 206 P 14 34.00 -2.0
 1.1s 10.10nm 4.8mb

FLN 76.92 348 eP 14 36.20 -0.5
 1.2s 26.80nm 5.2mb
 BBS 76.93 342 P 14 37.94 1.1

VOY 76.97 337 eP 14 38.50 1.3
 LDF 77.03 347 eP 14 36.80 -0.5
 1.2s 17.85nm 5.0mb

LOMF 77.16 342 P 14 38.37 0.2
 HRT 77.17 324 iP 14 38.90 0.6
 GRR 77.33 348 eP 14 38.90 -0.1

PGB	77.42	329	eP	14	41.00	1.3	TIR	0.26	98	ePg	09	26.00	0.6	TIY	24.48	276	eP	25	53.00	-1.4
CTI	77.46	339	P	14	39.90	0.0	LACI	0.29	30	iPg	09	24.90	-0.9	Z	18s		0.61um			4.1MsZ
VTS	77.68	330	iP	14	40.00	-1.2	ULC	0.61	341	iPg	09	32.22	0.1	N	10s		0.27um			
LPF	77.70	348	eP	14	41.10	0.1	PHL			iSg	09	40.05		WHN	25.59	259	P	26	05.50	0.6
LOR	1.0s		16.00nm			5.0mb	BDV	0.76	66	ePg	09	33.30	-1.2	E	12s		44.00nm			4.9mb
KDZ	77.75	344	iPc	14	41.20	-0.1	TTG	1.04	330	iPg	09	38.72	-0.6	BTO	25.76	283	eP	26	05.00	-1.6
LBF	1.2s		32.75nm			5.2mb	PVY	0.76	66	ePg	09	33.30	-1.2	E	15s		0.40um			
SSF	77.85	328	eP	14	43.00	1.1	HCY	1.26	16	iPg	09	40.20	0.4	LZH	31.54	277	eP	26	59.00	0.3
MFT	78.01	345	iPc	14	42.70	0.0	NKY	1.31	325	iPg	09	44.62	1.4	Z	13s		21.00nm			4.8mb
RZN	1.0s		10.00nm			4.8mb	IVA	1.48	345	iPg	09	43.13	-0.8	E	12s		0.58um			4.4MsZ
VAI	78.02	326	eP	14	42.00	-1.0	BRY	1.51	11	iPg	09	46.80	0.3	GYA	33.48	258	P	27	02.50	12kmX
RDO	78.04	328	eP	14	43.00	-0.2				iSg	10	01.55		CD2	33.56	268	P	27	15.40	-0.2
AVF	78.22	341	P	14	44.50	0.6				iSg	10	07.12		GTA	33.67	284	eP	27	15.80	-0.4
KGT	78.26	327	iPc	14	45.00	0.8				iSg	10	10.00		E	12s		20.00nm			4.9mb
SMF	78.30	345	eP	14	44.40	0.1				iSg	10	13.23		Z	17s		0.60um			4.4MsZ
KKB	1.2s		29.75nm			5.2mb				iSg	10	13.23		E	17s		0.80um			
MMB	78.31	326	eP	14	45.00	0.5								WMO	41.42	295	P	28	23.50	1.4
BGF	78.36	344	eP	14	44.70	0.0								E	17s		0.80um			
SKO	1.1s		19.55nm			5.1mb											10.00nm			4.5mb
LPL	78.38	329	iPc	14	45.00	0.1											sP			28 33.50
TCF	78.43	329	ePd	14	46.00	0.8														29 21.82
LPG	78.60	345	eP	14	46.20	0.2														0.5
MAF	1.2s		19.35nm			5.0mb														5.4mb
MFF	78.77	331	eP	14	48.00	1.0														5.3mb
VAY	78.95	342	iPc	14	49.30	1.1														0.4
LSF	0.8s		28.20nm			5.3mb														5.3mb
EZN	78.96	345	eP	14	48.20	0.2														-1.2
PHP	1.0s		10.00nm			4.8mb														0.0
MME	78.97	342	iPc	14	49.60	1.2														0.9
SFI	1.0s		46.00nm			5.5mb														4.3mb
BDI	78.97	345	eP	14	48.30	0.2														
LACI	1.0s		12.00nm			4.9mb														
ARV	78.99	347	eP	14	48.50	0.4														
PRK	1.2s		17.85nm			5.0mb														
TIR	79.03	330	iP	14	48.50	0.1														
RJF	79.10	346	eP	14	48.90	0.1														
KZN	1.0s		10.00nm			4.8mb														
CAF	79.20	326	eP	14	48.40	-0.9														
LFF	79.33	331	eP	14	49.30	-0.6														
LPO	79.43	339	P	14	52.30	1.5														
LSK	79.43	338	P	14	53.20	2.7														
FRF	79.57	339	P	14	52.80	1.4														
LRG	79.58	332	eP	14	51.30	0.0														
LMR	79.59	337	P	14	52.80	1.4														
HRI	79.74	326	eP	14	52.80	0.6														
ORI	79.81	331	eP	14	52.50	-0.1														
EPF	80.03	346	iPc	14	54.40	0.6														
JVI	1.0s		12.00nm			4.9mb														
PRNI	80.20	330	eP	14	54.20	-0.6														
EROQ	80.31	345	iPc	14	56.40	1.1														
ETOR	1.0s		14.00nm			4.9mb														
HOL	80.50	346	iPc	14	57.20	1.0														
TOL	1.0s		16.00nm			5.0mb														
EPLA	80.68	346	iPc	14	58.00	0.8														
STK	0.9s		19.65nm			5.1mb														
SIV	80.70	330	eP	14	57.00	-0.5														
CER	80.85	342	eP	15	00.10	1.9														
	0.8s		10.75nm			4.9mb														
	81.01	342	eP	15	00.00	1.1														
	1.0s		32.00nm			5.3mb														
	81.10	342	eP	15	00.20	0.8														
	1.0s		28.00nm			5.2mb														
	81.49	316	eP	15	01.70	-0.1														
	81.94	333	P	15	06.60	2.7														
	82.43	346	iPc	15	06.90	0.5														
	1.0s		9.00nm			4.8mb														
	82.82	316	eP	15	08.50	-0.1														
	84.34	315	eP	15	16.20	-0.2														
	84.58	345	eP	15	19.00	1.6														
	84.93	347	eP	15	20.80	1.5														
	85.26	315	iP	15	21.90	1.0														
	86.10	349	eP	15	25.00	0.0														
	86.14	350	eP	15	26.00	0.7														
	86.73	197	eP	15	27.70	-0.2														
	0.5s		1.20nm			4.4mb														
	130.15	58	PKP	21	53.00	-1.8														
	146.32	291	ePKP	22	25.00	1.3														
	S.D. = 1.0																			

04d 17h

	0.5s	52.00nm	5.4mb		Z	20s	0.60um	4.6Msz	NNA	148.85	128	iPKPc	49	50.00	4.0X
		eS	40 23.00				epP	39 12.00		1.1s	68.35nm				
KGM	26.15	290 eP	35 37.80 1.5		LSA	50.98	318 P	39 04.70 0.3	VAO	149.40	189	ePKP	49	51.60	4.9X
MUN	26.78	202 iPd	35 41.90 0.0		MDJ	51.76	2 Pc	39 10.00 0.5	PPD	150.78	182	ePKP	49	49.30	0.6
	0.9s	65.00nm	5.3mb			1.2s	34.00nm	5.2mb				e	49	53.80	
NWAO	27.27	200 iPc	35 46.60 0.2		THZ	52.54	138 P	39 17.00 1.4	LPB	151.52	147	PKP	49	57.60	7.2X
Z	20s	0.20um	3.7Msz		KHZ	53.26	139 P	39 21.30 0.5		1.0s	90.00nm				
		eS	41 00.00		GTA	53.27	333 eP	39 20.60 -0.5	ZOBO	151.72	146	PKP	49	52.20	1.3
RMO	27.55	136 eP	35 49.00 0.0			1.0s	30.00nm	5.2mb		1.5s	120.97nm				
		i	36 14.00 116kmX		Z	18s	0.30um	4.4Msz				i	49	58.00	
		eS	39 30.60				pP	39 27.50 23km							
STK	27.58	154 iPc	35 49.50 0.3		MRW	53.51	137 P	39 23.00 0.4	CCH	151.82	151	ePKP	50	00.00	9.3X
	0.4s	37.20nm	5.4mb		GUN	53.57	313 P	39 23.38 -0.4	SIV	155.19	159	PKPc	49	54.80	-0.2
		eS	41 01.90			0.8s	93.00nm	5.8mb				i	50	20.10	
RKG	28.05	199 eP	36 01.60 0.9		PKI	53.72	312 P	39 24.34 -0.5	S.D. = 1.2 on 115 of 126 obs.						
	0.7s	110.00nm	5.7mb			0.5s	35.00nm	5.6mb	& JUN 04, 1991 17h 41m 51.01s						
IPM	29.24	293 ePd	36 06.80 2.4		MNG	53.78	136 P	39 24.20 -0.5	59.880 N 153.385 W						
	0.8s	31.30nm	5.1mb		KKN	53.94	312 P	39 25.90 -0.4	DEPTH = 125.1km						
ADE	29.25	161 iPd	36 04.60 0.3		HYB	54.53	297 eP	39 28.50 -2.1	SOUTHERN ALASKA (2)						
	0.9s	77.31nm	5.4mb			1.0s	50.00nm	5.5mb	<AEIC>.						
CMS	29.32	147 iPc	36 05.40 0.5		GKN	54.53	312 P	39 29.46 -1.2	PDB	0.42	258	ePc	42	08.39	-0.9
	1.0s	75.00nm	5.4mb		PUZ	54.79	132 P	39 32.00 -0.2				iS	42	22.01	
		e	41 48.00		POO	59.10	297 eP	39 58.00 -5.1X	AUI	0.55	182	eP	42	09.55	-0.5
SNG	30.72	297 eP	36 18.30 0.8		NDI	60.49	309 eP	40 11.00 -1.5	RED	0.62	29	ePd	42	09.85	-0.8
VSG	31.62	96 P	36 25.00 -0.5		WMO	62.53	328 P	40 25.90 -0.1	RS2	0.66	28	ePd	42	10.32	-0.8
OIZ	31.64	326 eP	36 29.00 3.5X			1.3s	38.00nm	5.4mb				eS	42	25.44	
HNR	31.86	96 P	36 26.00 -1.5				pP	40 35.20 30km	RSO	0.66	28	ePd	42	10.35	-0.8
COO	32.29	139 iPc	36 32.50 1.3				PcP	41 08.20				eS	42	25.32	
	0.8s	51.00nm	5.5mb		IRK	62.70	344 ePc	40 26.30 -0.7	RDW	0.67	25	iPd	42	10.32	-0.8
BFD	32.57	158 iPc	36 34.80 1.3				e	40 39.90 48kmX	REF	0.70	29	iPd	42	10.58	-0.8
	1.0s	177.00nm	5.9mb				e	40 55.10				eS	42	25.75	
		i	37 15.70 197kmX		YAK	69.18	1 iPc+	41 08.30 0.2	RDN	0.71	26	iPd	42	10.66	-0.7
		e	43 03.00				i	41 17.00 28km				eS	42	25.62	
BWA	32.96	148 iPc	36 39.60 2.6				e	50 11.00	NCT	0.72	18	iPd	42	10.66	-0.8
GZH	33.40	335 P	36 41.00 0.2		GAR	70.39	316 eP	41 15.30 -0.9				eS	42	25.73	
CAN	33.95	148 iPc	36 47.10 1.5		MAW	73.83	201 eP	41 36.00 0.1	DFR	0.79	26	eP	42	11.10	-0.9
TOO	34.09	154 iPc	36 49.00 2.2		MAIO	77.23	310 iPc	41 56.00 0.1				eS	42	27.06	
	0.4s	50.00nm	5.8mb			0.9s	25.15nm	5.2mb	RDT	0.85	35	iPd	42	11.64	-0.8
CNB	34.14	148 iPc	36 49.20 1.9		SPA	82.69	180 iPc	42 25.30 0.6				eS	42	28.08	
	0.8s	72.00nm	5.7mb			0.9s	22.73nm	5.3mb	HOM	0.91	103	eP	42	11.67	-1.2
NNT	34.22	305 eP	36 49.70 1.6		IR4	83.63	307 eP	42 30.50 0.4	CDD	0.96	188	iPd	42	12.49	-1.0
		e	06 09.80		IR1	83.84	307 eP	42 31.70 0.5				eS	42	29.94	
KHT	36.38	307 eP	37 07.00 0.6		IR7	83.97	307 eP	42 32.00 0.2	CNPM	1.15	107	iPc	42	14.18	-1.1
BDT	37.52	311 eP	37 15.50 -0.5		KER	86.49	305 eP	42 48.00 3.6X				eS	42	31.56	
	1.0s	50.40nm	5.3mb		IMA	92.04	24 eP	43 09.30 -0.6	SYI	1.37	158	ePc	42	16.68	-1.0
CHG	38.55	313 ePc	37 25.00 0.3		MTD	93.81	253 iPd	43 17.50 -1.4				eS	42	36.48	
	1.1s	37.34nm	5.1mb				i	46 38.50	NKA	1.38	50	eP	42	18.72	1.0
SSE	38.76	351 eP	37 26.00 -0.2		KRI	95.67	252 iPd	43 25.70 -1.8	CKL	1.42	21	iPd	42	17.69	-0.6
		eS	43 21.00		BUL	96.05	249 iPd	43 28.00 -1.2	BGL	1.47	19	ePd	42	18.43	-0.5
TAU	39.36	157 iPc	37 33.10 2.0			1.1s	18.35nm	5.4mb	CRP	1.52	23	iPd	42	18.98	-0.5
GYA	39.38	329 P	37 34.00 2.4				iPp	43 38.50 33km	CGLM	1.59	25	iPd	42	19.53	-0.7
		pP	37 43.00 30km				i	44 54.00	NCG	1.64	21	ePd	42	20.61	-0.3
WHN	39.83	342 Pd	37 36.00 0.9		YKA	109.02	26 ePKP	48 38.50 7.9X	SLKM	1.70	67	eP	42	20.22	-1.3
	1.2s	100.00nm	5.4mb			0.8s	0.90nm		SEW	1.99	82	eP	42	23.55	-1.5
DZM	39.99	116 iPc	37 47.00 39km		BSF	116.00	320 ePKP	48 42.80 -1.8	SUA	2.05	38	ePd	42	25.19	-0.8
NJ2	40.11	348 Pc	37 37.00 0.3			0.8s	5.35nm					eS	42	51.29	
KMI	40.47	324 Pc	37 42.50 1.7		HAU	116.22	320 ePKP	48 43.40 -1.5	SKT	2.29	22	ePd	42	27.91	-1.0
	2.0s	130.00nm	5.3mb			1.0s	6.00nm					S	42	55.43	
CD2	44.48	330 P	38 12.80 -0.4		LPL	116.77	318 ePKP	48 45.20 -1.1	PMS	2.33	52	ePc	42	28.02	-1.4
	0.8s	40.00nm	5.3mb			0.6s	3.60nm					eS	42	56.46	
TIA	44.48	348 eP	38 11.90 -1.2		LOR	118.06	320 ePKP	48 47.40 -1.0	PWA	2.47	43	eP	42	30.50	-0.7
MAT	44.74	12 eP	38 14.00 -1.2			0.8s	2.70nm					eS	43	00.10	
	0.9s	15.13nm	4.9mb		LBF	118.09	320 ePKP	48 47.00 -1.5	PLRM	2.70	49	eP	42	32.11	-2.1
XAN	44.89	338 Pc	38 15.50 -1.0		SSF	118.36	320 ePKP	48 47.70 -1.3	LTI	2.79	84	iPc	42	33.87	-1.4
	1.0s	50.00nm	5.4mb			0.6s	4.05nm		KNIM	2.87	78	eP	42	33.83	-2.5
DL2	46.38	353 eP	38 30.80 2.7		BGF	118.96	320 ePKP	48 49.00 -1.1	KNK	2.87	56	eP	42	34.38	-2.1
	1.0s	54.00nm	5.5mb			0.6s	10.80nm					S	43	07.74	
YAMJ	46.71	13 eP	38 30.40 -0.3		TCF	119.47	320 ePKP	48 49.90 -1.2	GHO	2.89	47	eP	42	34.86	-1.9
TIY	47.08	343 Pc	38 33.00 -0.7			0.6s	2.70nm					eS	43	08.42	
Z	12s	0.36um	4.6MszX		CAF	120.08	318 ePKP	48 51.60 -0.7	CUT	2.95	29	eP	42	36.51	-0.9
OFUJ	47.96	15 eP	38 42.40 1.8			0.6s	2.70nm					S	43	10.09	
BJI	48.37	348 eP	38 42.50 -1.2		LPO	120.75	318 ePKP	48 52.90 -0.7	SML	3.14	50	eP	42	38.67	-1.3
	1.0s	20.00nm	5.1mb			0.8s	5.35nm		GLI	3.28	69	eP	42	39.75	-2.1
LZH	48.73	334 Pd	38 46.50 -0.3		LPF	120.79	323 ePKP	48 52.40 -1.1	SCM	3.55	54	eP	42	44.01	-1.5
	1.5s	17.00nm	4.9mb			0.8s	8.05nm		VZW	3.58	68	eP	42	44.20	-1.7
Z	24s	0.32um	4.2MszX		MFF	120.85	321 ePKP	48 52.60 -1.1	VLZ	3.71	67	eP	42	45.82	-1.7
		sP	38 58.50			0.8s	5.35nm		KLU	4.01	63	eP	42	48.95	-2.8
SNY	49.10	356 Pd	38 48.40 -0.8		ALO	123.26	53 ePKP	48 59.00 0.0	TOA	4.16	54	eP	42	52.07	-1.7
HHC	50.24	344 P	39 00.40 2.1		KIC	132.89	272 PKP	49 16.30 -1.4	GLB	4.96	67	eP	43	02.63	-2.0
BTO	50.45	342 eP	38 57.00 -2.9X			0.8s	8.50nm		CROM	5.17	76	eP	43	05.54	-2.0
CN2	50.96	358 eP	39 03.40 -0.1		LIC	133.17	272 PKP	49 16.64 -1.6	WRH	5.23	26	eP	43	05.35	-2.8
	1.0s	10.00nm	4.7mb		TIC	133.19	272 PKP	49 17.66 -0.7	TGL	5.32	76	eP	43	07.32	-2.1
					LKO	133.88	276 PKP	49 18.30 -1.3	BALM	5.59	73	eP	43	11.15	-2.0
									MDM	5.63	23	eP	43	10.92	-2.7

46 obs. associated
 * JUN 04, 1991 17h 53m 36.22±1.12s
 1.225 N ± 8.7km 123.745 E ± 9.1km
 DEPTH = 61.3 ± 13.2 km
 MINAHASSA PENINSULA (265)

MNI 1.11 79 iPc 53 56.00 0.0
 eS 54 13.00
 MKS 7.69 214 iPc 55 28.00 -0.1
 OIS 26.64 145 eP 59 11.00 -0.2
 STK 37.02 154 eP 00 42.10 0.3
 0.9s 1.20nm 3.8mb X
 GUN 44.90 310 P 01 47.24 0.1
 0.6s 23.00nm 5.1mb
 PKI 45.10 309 P 01 48.78 0.1
 KKN 45.30 309 P 01 50.50 0.3
 GKN 45.90 309 P 01 55.10 0.2
 1.1s 27.00nm 5.1mb
 GAR 61.48 315 eP 03 48.50 -0.7
 S.D. = 0.4 on 9 of 9 obs.

JUN 04, 1991 18h 00m 11.90±1.41s
 27.497 N ± 7.0km 127.600 E ± 8.8km
 DEPTH = 143.3 ± 12.4 km
 4.7mb (23 obs.)
 RYUKYU ISLANDS (238)

SSE 6.65 304 P 01 47.50 -0.9
 0.7s 10.00nm 4.3mb
 Z 10s 0.50um
 eS 02 57.50
 NJ2 8.85 303 Pc 02 17.00 -0.9
 WHN 11.99 288 eP 03 00.00 0.8
 TIA 12.43 317 eP 03 04.60 -0.4
 MAT 12.73 42 (P) 03 14.00 5.1X
 SNY 14.67 348 Pc 03 34.40 0.9
 0.8s 35.00nm 4.7mb
 BJI 15.69 326 eP 03 46.50 0.3
 0.8s 28.00nm 4.6mb
 TIY 16.32 312 eP 03 54.80 0.6
 Z 12s 0.36um
 CN2 16.36 354 iPd 03 55.20 0.7
 0.6s 30.00nm 4.8mb
 XAN 17.32 297 iPd 04 06.00 -0.3
 1.0s 50.00nm 4.8mb
 QIZ 18.35 246 P 04 24.50 6.4X
 GYA 18.69 272 P 04 24.00 2.1
 pP 04 37.00
 HHC 18.76 319 Pc 04 22.40 -0.1
 1.2s 43.00nm 4.7mb
 CGP 19.14 189 eP 04 25.00 -1.5
 BTO 19.52 317 P 04 30.00 -0.4
 CD2 21.08 285 P 04 44.70 -1.5
 LZH 21.89 299 eP 04 54.50 0.2
 1.0s 29.00nm 4.6mb
 KMI 22.40 270 eP 05 02.00 2.6
 GTA 25.94 304 iPd 05 31.60 -1.1
 0.4s 20.00nm 5.1mb
 GUN 36.81 281 P 07 08.60 0.6
 0.4s 21.00nm 5.3mb
 PKI 37.28 280 P 07 11.10 -0.9
 0.4s 18.00nm 5.2mb
 KKN 37.35 281 P 07 11.88 -0.6
 GKN 37.88 281 P 07 16.10 -0.7
 0.4s 14.00nm 5.1mb
 LAT 38.79 148 iPc 07 25.30 1.1
 WRA 47.61 171 P 08 35.00 -0.2
 0.6s 17.10nm 4.9mb
 STK 60.53 166 eP 10 09.20 0.1
 0.5s 4.00nm 4.6mb
 INK 67.95 23 eP 10 56.00 -0.8
 MBC 68.73 14 eP 11 01.00 -0.5
 HFS 77.44 332 eP 11 51.00 -1.4
 0.5s 5.10nm 4.5mb
 YKA 77.62 25 eP 11 53.40 0.1
 0.6s 9.50nm 4.7mb
 NB2 77.93 334 P 11 54.70 -0.5
 0.7s 7.20nm 4.5mb
 CLL 82.79 325 iP 12 21.80 0.8
 1.1s 15.00nm 4.7mb
 GRF 84.67 324 eP 12 32.70 2.2
 1.0s 16.00nm 4.8mb
 KBA 85.08 321 iPc 12 33.80 1.0
 0.8s 9.00nm 4.7mb
 i 12 37.30
 CDF 87.50 325 eP 12 43.50 -1.0

1.0s 6.00nm 4.5mb
 FFC 87.71 26 iPd 12 46.10 0.8
 0.7s 14.00nm 5.1mb
 FRB 88.17 7 eP 12 47.00 -0.3
 LPL 89.65 323 eP 12 54.20 -0.8
 0.6s 2.70nm 4.5mb
 LPG 89.65 323 eP 12 54.80 -0.3
 0.8s 4.05nm 4.5mb
 S.D. = 1.0 on 37 of 39 obs.

? JUN 04, 1991 18h 04m 32.29±6.09s
 51.322 N ± 41.7km 16.109 E ± 40.1km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)

KSP 0.49 166 iP 04 42.20 -0.1
 0.4s 43.00nm
 iS 04 51.30
 BRG 1.44 253 iPg 04 57.80 -0.5
 iSg 05 17.00
 PRU 1.67 217 ePg 05 02.00 0.4
 e 05 04.70
 eSn 05 19.80
 eSg 05 26.50
 CLL 1.95 271 ePg 05 06.00 0.3
 eSg 05 32.00
 KHC 2.73 218 Pn 05 22.50 5.5X
 Pg 05 28.00
 eSn 05 50.50
 eSg 06 03.00
 MOX 2.92 258 ePg 05 25.00 5.4X
 iSg 06 05.00
 VKA 3.06 177 iP 06 11.70 50.1X
 GRF 3.52 244 e(Pg) 05 22.70 -5.4X
 eSg 06 24.40
 S.D. = 0.7 on 4 of 8 obs.

JUN 04, 1991 18h 35m 10.30±0.83s
 40.983 N ± 7.5km 22.361 E ± 6.4km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 1.7 (SKO). MD 1.9 (THE).

GRG 0.04 131 ePc 35 13.04 0.6
 eS 35 14.20
 VAY 0.37 25 iPg 35 17.60 -0.3
 iSg 35 22.80
 KNT 0.44 66 ePd 35 19.60 0.3
 eS 35 25.72
 THE 0.58 127 ePd 35 21.28 -0.7
 eS 35 28.80
 FNA 0.77 255 ePc 35 25.52 0.1
 eS 35 35.96
 SRS 0.94 81 ePc 35 28.28 0.0
 eS 35 41.92
 S.D. = 0.6 on 6 of 6 obs.

* JUN 04, 1991 19h 02m 16.10±0.91s
 37.479 N ± 11.7km 71.649 E ± 9.4km
 DEPTH = 33.0km (normal)
 4.6mb (2 obs.)
 AFGHANISTAN-USSR BORDER REGION (717)

QUE 8.25 210 eP 04 16.50 -0.2
 eS 05 39.90
 NDI 9.93 150 eP 04 40.00 0.4
 eS 06 18.00
 GKN 14.43 127 P 05 40.18 0.1
 KKN 14.99 126 P 05 47.60 0.1
 PKI 15.23 126 P 05 50.76 0.1
 GUN 15.30 124 P 05 50.96 -0.6
 0.4s 26.00nm 4.8mb
 NB2 43.92 322 P 10 21.20 0.1
 0.6s 4.20nm 4.4mb
 S.D. = 0.4 on 7 of 7 obs.

JUN 04, 1991 19h 09m 44.36±0.35s
 5.588 N ± 5.4km 78.128 W ± 6.9km
 DEPTH = 10.0km (geophysicist)
 4.8mb (21 obs.) 4.1MsZ (3 obs.)
 SOUTH OF PANAMA (83)

UPA 3.65 338 iPc 10 39.50 -2.6
 S 11 22.50
 BOG 4.16 103 eP 11 02.00 12.4X
 iS 11 42.00
 PSO 4.44 170 eP 10 54.00 0.3

BMG 5.23 73 eP 11 02.00 -2.7
 iS 11 42.00
 SDV 8.12 66 iPc 11 45.80 0.4
 TOV 9.25 63 eP 12 00.30 -0.6
 CEOS 10.30 70 iP 12 11.70 -3.7X
 NNA 17.51 176 eP 13 49.50 -0.8
 1.0s 70.00nm 4.7mb
 PT10 17.58 176 iP 13 56.00 4.7X
 PBJ 20.07 304 (P) 14 21.00 0.0
 ZOBO 23.87 156 P 14 59.80 0.2
 1.0s 40.00nm 5.0mb
 Z 24s 0.70um 4.1MsZ X
 S 19 14.00
 LR 22 46.00

LPB 24.11 156 P 14 58.00 -3.8X
 CNCB 24.41 156 P 15 06.00 1.1
 CCH 25.71 153 P 15 17.40 0.4
 SIV 27.29 142 P 15 29.20 -2.0
 MEO 34.66 330 e(P) 16 34.50 -1.7
 PPD 37.99 137 eP 17 02.80 -1.7
 ALO 39.20 322 eP 17 15.50 0.8
 0.8s 8.40nm 4.5mb
 ANMO 39.21 322 eP 17 15.60 0.9
 0.8s 9.33nm 4.5mb
 GOL 41.91 328 e(P) 17 37.00 0.0
 0.7s 8.86nm 4.6mb
 SCH 49.93 9 eP 18 41.00 0.8
 YKA 62.79 342 eP 20 10.80 -1.3
 0.6s 3.00nm 4.7mb
 LKO 71.91 82 P 21 09.52 -0.9
 INK 72.54 341 eP 21 12.00 -1.1
 KIC 72.93 85 P 21 16.00 -0.5
 DCN 74.15 36 eP 21 23.10 0.4
 MBC 74.15 351 eP 21 21.50 -0.9
 0.6s 3.00nm 4.5mb
 TOL 74.23 50 eP 21 21.50 -2.0
 DMU 74.48 36 eP 21 25.10 0.4
 LPF 77.23 42 eP 21 40.90 0.5
 GRR 77.39 42 eP 21 42.00 0.7
 0.6s 8.10nm 5.0mb
 FLN 77.68 41 eP 21 43.60 0.8
 0.8s 10.75nm 5.0mb
 Z 19s 0.08um 4.0MsZ
 MFF 77.71 44 eP 21 43.90 0.9
 0.7s 9.90nm 5.0mb
 EPF 77.78 47 eP 21 44.80 1.2
 LDF 77.90 42 eP 21 44.80 0.7
 0.8s 10.75nm 5.0mb
 LFF 78.20 45 eP 21 46.60 0.8
 0.7s 5.50nm 4.7mb
 LPO 78.50 46 eP 21 48.10 0.7
 0.7s 7.70nm 4.9mb
 RJF 78.77 45 eP 21 49.40 0.5
 1.1s 9.75nm 4.8mb
 Z 20s 0.10um 4.1MsZ
 CAF 79.13 45 eP 21 51.60 0.6
 TCF 79.31 44 eP 21 52.30 0.4
 MAF 79.55 44 eP 21 53.60 0.4
 1.0s 11.00nm 4.8mb
 BGF 79.76 44 eP 21 54.80 0.5
 1.0s 11.00nm 4.8mb
 AVF 80.12 44 eP 21 56.40 0.2
 1.0s 8.00nm 4.7mb
 SSF 80.24 43 eP 21 56.90 0.1
 SMF 80.45 44 eP 21 58.40 0.4
 1.0s 9.00nm 4.7mb
 LOR 80.48 43 eP 21 58.40 0.2
 0.7s 4.40nm 4.6mb
 Z 21s 0.10um 4.1MsZ
 LPL 82.45 45 eP 22 10.00 1.3
 0.6s 2.25nm 4.5mb
 BSF 82.48 43 eP 22 09.00 0.3
 0.9s 9.85nm 4.9mb
 CDF 82.80 42 eP 22 10.70 0.4
 KHC 86.94 41 P 22 32.50 1.5
 GKN 142.69 26 PKP 29 15.40 -5.2X
 KKN 143.15 25 PKP 29 17.40 -4.0X
 GUN 143.29 24 PKP 29 18.00 -3.8X
 PKI 143.40 25 PKP 29 16.60 -5.4X
 S.D. = 1.1 on 46 of 54 obs.

* JUN 04, 1991 19h 10m 22.25±0.96s
 39.959 N ± 7.8km 22.546 E ± 9.5km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 MD 2.0 (THE).

04d 19h

LIT 0.15 343 ePc 10 25.28 -0.4
 eS 10 27.92
 THE 0.75 25 ePd 10 36.28 -0.5
 PAIG 0.87 92 ePc 10 38.36 -0.6
 eS 10 50.56
 AGG 0.95 190 ePd 10 41.20 0.8
 eS 10 56.60
 GRG 1.00 354 ePc 10 43.28 2.0
 FNA 1.22 313 ePd 10 45.72 0.8
 eS 11 03.88
 KNT 1.23 12 ePd 10 45.44 0.3
 eS 11 00.96
 VAY 1.36 1 ePn 10 47.50 0.3
 OHR 1.76 311 ePn 10 50.40 -2.6
 S.D. = 1.5 on 9 of 9 obs.

JUN 04, 1991 20h 28m 18.77± 0.59s
 44.481 N ± 4.3km 7.389 E ± 5.3km
 DEPTH = 11.4 ± 5.1 km

NORTHERN ITALY (545)
 ML 2.3 (GEN), 1.8 (LDG).

DOI 0.11 282 P 28 22.00 0.2
 eSg 28 24.00
 PZZ 0.21 277 P 28 23.30 -0.2
 S 28 25.79
 STV 0.24 191 P 28 23.19 -0.9
 S 28 25.68
 BHB 0.37 346 P 28 26.50 0.0
 S 28 31.73
 ROB 0.39 118 P 28 27.32 0.4
 S 28 33.17
 RRL 0.62 316 P 28 30.91 -0.3
 S 28 38.91
 SBF 0.62 177 Pg 28 30.60 -0.5
 Sg 28 37.10
 IMI 0.67 148 P 28 31.94 -0.2
 FRF 1.06 210 Pg 28 39.40 0.7
 Sg 28 50.00
 LRG 1.27 216 Pg 28 42.60 0.4
 Sg 28 56.90
 LMR 1.31 209 Pg 28 43.10 0.2
 Sg 28 57.50
 S.D. = 0.6 on 11 of 11 obs.

% JUN 04, 1991 20h 48m 03.86± 2.39s
 15.856 N ± 9.6km 61.161 W ± 23.6km
 DEPTH = 98.5 ± 24.7 km

LEEWARD ISLANDS (92)

MGG 0.16 292 ePc 48 18.25 -0.7
 S 48 27.80
 BBL 0.45 223 eP 48 19.90 0.5
 S 48 31.20
 DEG 0.46 12 ePd 48 19.83 0.3
 S 48 31.00
 PAC 0.53 289 eP 48 20.00 0.0
 S 48 31.70
 FDF 1.12 179 eP 48 25.52 -0.3
 0.1s 0.50nm
 S 48 41.00
 BIM 1.33 176 eP 48 28.52 0.1
 S 48 47.10
 BPA 1.36 331 eP 48 28.60 -0.1
 S 48 46.80
 S.D. = 0.6 on 7 of 7 obs.

? JUN 04, 1991 21h 11m 21.62± 3.11s
 39.548 N ± 17.8km 21.009 E ± 23.1km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 MD 2.5 (THE).

AGG 1.15 117 iPc 11 42.12 -1.1
 eS 11 58.36
 FNA 1.27 13 ePd 11 43.48 -1.7
 eS 12 02.56
 LIT 1.27 64 ePd 11 44.64 -0.5
 eS 12 03.28
 OHR 1.57 354 ePn 11 50.40 0.8
 GRG 1.76 37 ePd 11 52.48 0.0
 PAIG 2.09 79 ePc 11 58.96 1.8
 VAY 2.13 33 ePn 11 55.40 -2.3X
 KNT 2.16 41 iPc 11 58.88 0.7
 iS 12 25.61
 SKO 2.44 8 ePn 11 55.00 -7.2X
 S.D. = 1.5 on 7 of 9 obs.

* JUN 04, 1991 21h 36m 15.46± 1.31s
 44.899 N ± 17.3km 99.976 E ± 6.7km
 DEPTH = 10.0km (geophysicist)
 4.5mb (4 obs.)

MONGOLIA (334)

GTA 5.49 181 Pnd 37 38.90 -0.4
 Z 10s 0.60um
 Pg 37 55.20
 Sn 38 44.20
 IRK 7.92 20 ePgc 38 38.60 25.3X
 e 39 14.20
 eSg 40 15.20
 BTO 8.55 117 eP 38 22.70 0.5
 WMO 8.87 267 eP 38 27.00 0.4
 eS 40 03.50
 LZH 9.28 160 eP 38 39.00 6.6X
 Z 10s 0.48um
 N 10s 0.38um

S 40 18.50
 HHC 9.42 111 eP 38 33.20 -1.1
 TIY 11.79 123 eP 39 10.70 4.0X
 Z 10s 0.51um
 N 12s 0.20um

XAN 12.85 145 eP 39 22.00 1.1
 GYA 19.17 161 P 40 48.00 6.2X
 GUN 20.35 218 P 40 54.78 -0.2
 0.6s 15.00nm 4.5mb

KKN 20.72 219 P 40 58.68 0.0
 0.6s 13.00nm 4.5mb
 GKN 20.83 221 P 40 59.26 -0.6
 1.0s 16.00nm 4.4mb

PKI 20.85 219 P 41 00.48 0.3
 0.8s 26.00nm 4.7mb
 S.D. = 0.8 on 9 of 13 obs.

JUN 04, 1991 21h 53m 48.74± 0.98s
 36.201 N ± 7.2km 69.428 E ± 6.5km
 DEPTH = 159.9 ± 11.8 km
 4.7mb (12 obs.)

HINDU KUSH REGION (718)
 Felt (III) at Khorog, USSR.

KSH 6.12 56 P 55 19.20 1.1
 QUE 6.35 200 eP 55 22.20 1.0
 iS 56 31.50

MAIO 8.03 274 ePn 55 44.00 0.4
 eSn 57 09.00
 NDI 9.97 137 iPd 56 08.00 -1.2
 0.5s 28.17nm 5.1mb

GKN 15.25 118 P 57 15.40 -1.7
 KKN 15.83 118 P 57 23.16 -1.2
 0.6s 80.00nm 5.3mb

WMO 15.91 56 P 57 24.90 -0.2
 0.7s 26.00nm 4.7mb
 eS 00 21.20

PKI 16.06 118 P 57 26.42 -0.8
 0.6s 78.00nm 5.2mb
 GUN 16.20 116 P 57 29.48 0.5
 0.6s 76.00nm 5.2mb

POO 18.03 166 eP 57 47.50 -2.8
 LSA 19.33 103 Pd 58 05.80 1.4
 HYB 20.38 154 ePc 58 16.00 1.3
 1.0s 50.00nm 4.9mb

e 58 18.00
 eS 01 56.00
 GBA 23.62 160 Pc 58 48.30 2.0
 0.7s 12.20nm 4.5mb

GTA 24.17 73 eP 58 52.60 1.1
 1.0s 10.00nm 4.3mb
 OBN 29.33 320 eP 59 38.00 0.0
 0.8s *****nm 7.8mb X

CHG 31.22 116 eP 59 56.00 1.0
 GYA 33.09 96 P 00 11.40 0.0
 KHT 33.66 122 eP 00 16.80 0.6

NNT 35.99 123 eP 00 36.60 0.6
 WHN 37.68 85 eP 00 49.00 -1.0
 HFS 42.52 322 eP 01 29.00 -0.5
 0.6s 12.60nm 4.7mb

NB2 43.86 323 P 01 39.40 -1.0
 0.7s 6.70nm 4.4mb
 YAK 44.96 35 eP 01 48.40 -0.6
 i 02 25.00

EKA 51.62 316 P 02 40.00 -0.5
 0.7s 3.40nm 4.2mb

MBC 67.69 2 eP 04 30.00 0.0
 0.6s 4.00nm 4.4mb
 pP 05 25.50 239kmX
 INK 74.40 9 eP 05 10.50 0.4
 S.D. = 1.2 on 26 of 26 obs.

* JUN 04, 1991 22h 09m 17.13± 2.12s
 35.824 N ± 24.2km 27.721 E ± 17.6km
 DEPTH = 33.0km (normal)

DODECANESE ISLANDS (369)

ARG 0.51 40 eP 09 27.60 -0.3
 eS 09 37.60
 YER 1.38 19 ePn 09 41.00 0.6
 CIN 1.80 9 eP 09 46.00 -0.3

NPS 1.81 253 eP 09 46.60 0.1
 VLI 3.97 284 eP 10 17.00 -0.2
 S.D. = 0.5 on 5 of 5 obs.

% JUN 04, 1991 22h 28m 40.07± 1.59s
 18.348 N ± 14.5km 66.036 W ± 6.5km
 DEPTH = 10.0km (geophysicist)

PUERTO RICO REGION (90)

LPR 0.16 104 P 28 43.90 0.1
 S 28 45.17
 SJG 0.26 205 iP 28 45.90 0.3
 S 28 49.12

CPD 0.33 160 P 28 46.70 -0.2
 PORP 0.64 243 P 28 52.20 -0.7
 MGP 1.06 251 P 29 00.50 0.5
 S.D. = 0.7 on 5 of 5 obs.

* JUN 04, 1991 23h 05m 03.22± 0.93s
 0.003 S ± 9.8km 123.352 E ± 10.4km
 DEPTH = 111.0 ± 12.3 km
 4.8mb (4 obs.)

MINAHASSA PENINSULA (265)

MNI 2.07 46 eP 05 36.20 -1.4
 AAI 6.07 127 e(P) 06 34.20 2.3
 MKS 6.47 217 iPc 06 36.50 -1.0
 iS 07 46.50

TSM 6.74 309 ePc 06 42.00 0.8
 OIS 25.89 143 eP 10 26.00 -0.6
 CHG 30.40 309 eP 11 08.00 0.8
 1.1s 12.66nm 4.6mb

STK 36.10 153 eP 11 55.30 -0.8
 0.5s 1.90nm 4.2mb
 GUN 45.39 311 P 13 13.12 0.2
 0.7s 35.00nm 5.3mb

PKI 45.57 310 P 13 14.12 -0.2
 KKN 45.78 310 P 13 15.76 -0.1
 GKN 46.38 310 P 13 20.36 -0.1
 0.7s 25.00nm 5.1mb

S.D. = 1.2 on 11 of 11 obs.

JUN 04, 1991 23h 24m 01.30± 0.69s
 39.993 N ± 5.1km 22.585 E ± 7.6km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 MD 2.1 (THE).

LIT 0.13 326 iPd 24 04.04 -0.4
 eS 24 06.68
 THE 0.70 24 ePc 24 14.96 -0.2
 PAIG 0.84 94 iPd 24 17.28 -0.3
 eS 24 29.28

GRG 0.97 352 ePd 24 19.64 -0.2
 eS 24 34.40
 AGG 0.99 192 ePd 24 20.28 0.2
 eS 24 34.36

KNT 1.19 11 ePc 24 24.00 0.5
 eS 24 41.20
 VAY 1.33 360 ePn 24 26.00 0.2
 SRS 1.36 34 ePd 24 26.44 0.2

OHR 1.76 310 eP 24 36.80 4.7X
 S.D. = 0.4 on 8 of 9 obs.

JUN 04, 1991 23h 59m 22.72± 1.23s
 8.513 N ± 30.9km 40.814 W ± 12.0km
 DEPTH = 10.0km (geophysicist)
 4.7mb (21 obs.)

CENTRAL MID-ATLANTIC RIDGE (406)

SIV 31.55 220 P 06 05.00 17.4X
 LKO 34.80 86 P 06 15.80 -0.2

0.9s 15.00nm 4.9mb				1.0s 2.40nm 4.2mb				DEPTH = 33.0km (normal)			
TIC	35.52	90 P	06 22.34 0.2	OBN	75.86	35 eP	11 11.00 0.1	4.3mb (2 obs.) 4.3msz (2 obs.)			
LIC	35.56	91 P	06 22.88 0.4			e	11 27.00	LOYALTY ISLANDS REGION (189)			
Z	20s	0.14um	3.7msz	PNT	76.30	319 eP	11 17.00 3.4X				
KIC	35.83	91 P	06 25.22 0.5	MBC	79.06	346 eP	11 31.00 2.7X	DZM	2.52	271 iP	07 35.00 0.1
CCH	35.90	224 (P)	05 58.00 -27.6X		0.7s	3.00nm	4.4mb			iLO	08 09.90
ZOBO	36.56	228 P	06 42.80 11.3X	INK	83.16	338 ePd	11 52.20 2.2	BKM	4.55	349 iP	08 03.30 -0.4
		S	12 48.00			pP	12 08.00 56kmX			iS	09 04.50
		LR	17 16.00	BALM	88.15	331 e(P)	12 15.30 0.3	RMO	19.09	253 eP	11 21.00 3.0X
LPB	36.72	227 P	06 51.00 18.4X	S.D. = 1.2 on 20 of 58 obs.				ASPA	32.47	260 eP	13 23.60 -1.4
CNCB	36.81	227 P	06 52.00 18.4X						1.5s	5.90nm	4.3mb
TIO	38.41	50 iP	06 56.50 10.1X	JUN 05, 1991 00h 10m 54.36±0.81s				WB2	32.52	267 eP	13 25.90 0.4
IFR	41.24	48 iP	07 25.50 15.7X	37.037 N ± 8.3km 29.390 E ± 5.8km					0.5s	1.90nm	4.2mb
EPF	49.75	39 eP	08 24.80 7.4X	DEPTH = 10.0km (geophysicist)				CHG	79.81	295 eP	19 04.20 1.9
	1.2s	8.95nm	4.6mb	TURKEY (366)				NB2	138.22	344 PKP	26 11.70 -6.7X
LFF	51.01	37 eP	08 34.00 7.2X	MD 3.8 (ISK).					0.6s	1.00nm	
	1.3s	9.05nm	4.5mb	ELL	0.51	125 iPg	11 04.30 -0.3	BRG	145.42	332 iPKP	26 24.40 -6.9X
LPO	51.14	38 eP	08 35.10 7.2X			eSg	11 12.00		0.6s	14.00nm	
	1.3s	9.05nm	4.5mb	YER	0.89	277 iPn	11 12.00 0.5			i	26 29.50
MFF	51.40	35 eP	08 36.90 7.0X	BCK	1.05	66 iPn	11 14.70 0.6	CLL	145.50	333 iPKPc	26 24.30 -7.1X
CAF	51.80	38 eP	08 40.10 7.1X	CIN	1.18	299 eP	11 16.00 -0.4		0.8s	19.00nm	
	1.1s	8.55nm	4.6mb	KHL	1.29	5 iPn	11 18.00 -0.3	ZST	145.76	326 e(PKP)	26 26.10 -5.8X
LDF	52.56	33 eP	08 46.50 7.9X	ALT	2.09	16 ePn	11 30.00 0.0	PRU	145.80	331 ePKP	26 26.00 -6.0X
TCF	52.60	37 eP	08 45.90 7.0X	S.D. = 0.6 on 6 of 6 obs.				EKA	146.38	352 PKPd	26 26.10 -6.6X
	1.2s	13.40nm	4.7mb						0.7s	9.60nm	
BGF	53.11	37 eP	08 49.60 6.9X	JUN 05, 1991 01h 18m 23.45±0.58s				SKO	146.55	314 ePKP	26 28.00 -5.4X
	0.9s	9.85nm	4.8mb	45.553 N ± 5.5km 26.428 E ± 7.1km						i	26 40.80
FVM	53.37	311 eP	08 45.90 1.1	DEPTH = 150.2 ± 6.3 km				KHC	146.85	330 PKP	26 29.00 -4.7X
	1.0s	14.00nm	4.9mb	3.3mb (1 obs.)						e	26 41.00
AVF	53.53	37 eP	08 52.60 6.8X	ROMANIA (358)				GRF	147.47	333 ePKP	26 31.00 -3.7X
	1.2s	8.95nm	4.6mb	CVO	0.32	327 iPc	18 43.50 -0.2	DMU	148.17	356 ePKP	26 31.40 -4.2X
SSF	53.76	36 eP	08 54.10 6.7X	MLR	0.35	260 iPc	18 43.00 -0.9	KBA	148.40	328 iPKPc	26 33.60 -2.9X
LBF	54.00	37 eP	08 55.90 6.7X	VR1	0.38	33 iPc	18 42.50 -1.4		0.6s	4.90nm	
	1.1s	9.75nm	4.7mb	BRD	0.44	95 iPc	18 44.50 -0.3			i	26 36.50
LOR	54.08	36 eP	08 56.30 6.5X	MTUR	1.02	252 iPc	18 48.50 -0.3	MEM	148.69	339 PKP	26 34.20 -2.3X
	1.2s	11.90nm	4.8mb	PPE	1.06	51 iPd	18 49.50 0.5	DCN	148.75	356 ePKP	26 33.00 -3.6X
Z	21s	0.10um	3.9msz	BUC1	1.24	193 P	19 03.00 12.3X	DOU	149.59	340 PKP	26 36.40 -1.6
HAU	55.90	36 eP	09 09.70 6.6X	CFR	1.27	106 iPc	18 50.00 -0.9		0.8s	8.30nm	
	22s	0.13um	4.0msz	PTT	1.38	359 iPc	18 52.50 0.4	CDF	150.07	335 ePKP	26 36.90 -2.0X
BSF	56.08	37 eP	09 10.90 6.4X	COZ	1.49	262 iPc	18 53.50 0.1		1.1s	12.20nm	
TUL	56.86	307 e(P)	09 17.90 7.7X	TNR	1.52	275 ePc	18 53.00 -0.5	BSF	150.74	335 ePKP	26 38.70 -1.2
	0.8s	12.10nm	5.0mb	DRA	1.77	241 eP	19 15.00 18.7X		0.8s	9.40nm	
Z	20s	0.06um	3.7msz	IAS	1.82	25 eP	19 07.00 10.2X	HAU	150.76	336 ePKP	26 38.80 -1.1
		LR	25 36.20	PSN	2.25	146 iPd	19 02.00 0.0		0.8s	6.70nm	
GRF	59.54	36 e(P)	09 37.00 8.3X			iS	19 30.00	Z	21s	0.05um	4.3msz
KBA	59.79	40 e(P)	09 37.00 6.3X	PVL	2.46	199 iPc	19 06.00 1.4	FLN	152.20	345 ePKP	26 41.50 -0.4
	1.2s	14.30nm	5.0mb			iS	19 35.00		0.7s	13.25nm	
MOX	60.17	36 eP	09 48.00 15.0X	DEV	2.49	279 eP	19 06.00 1.1	LDF	152.27	345 ePKP	26 41.50 -0.5
	1.7s	23.00nm		BMR	2.93	317 ePc	19 11.00 0.6		0.9s	9.85nm	
KHC	60.71	38 P	09 36.50 -0.3	PG8	3.42	209 iP	19 14.00 -2.8	LOR	152.28	338 ePKP	26 41.90 -0.2
		e	09 51.00			iPg	19 25.00		0.7s	6.60nm	
CLL	61.25	35 eP	09 56.00 15.7X	VTS	3.76	219 eP	19 21.00 -0.4	Z	22s	0.05um	4.3msz
BRG	61.62	36 eP	09 58.10 15.3X			iS	19 55.00	SSF	152.58	338 ePKP	26 42.60 0.1
	1.1s	11.00nm		KDZ	3.97	191 iP	19 24.00 0.0		0.7s	4.40nm	
PRU	61.62	37 eP	09 50.50 7.6X			iS	20 02.00	LPL	152.63	333 ePKP	26 43.70 0.8
		e	09 57.10	RZN	4.06	198 iPd	19 25.00 -0.4	LPG	152.64	332 ePKP	26 43.60 0.6
ZST	62.56	40 eP	10 02.80 13.6X			eS	20 00.00		0.6s	4.50nm	
		e	33 27.00	PSZ	5.08	300 eP	19 38.00 -0.8	GRR	152.64	345 ePKP	26 42.60 0.1
KSP	62.98	37 eP	09 52.60 0.7	VAY	5.08	215 ePn	19 40.50 1.8	LPF	153.02	345 ePKP	26 43.50 0.5
		e	10 06.80	SKO	5.09	227 ePn	20 15.00 36.2X		0.9s	11.45nm	
SPC	64.85	39 e(P)	10 18.90 14.5X	NB2	17.90	335 P	22 23.10 -0.9	BGF	153.25	339 ePKP	26 44.10 0.6
NB2	64.87	25 P	10 04.20 0.0		0.6s	1.00nm	3.3mb		0.6s	3.60nm	
	1.0s	3.50nm	4.5mb	KIC	47.48	224 P	26 45.00 0.1	TCF	153.69	339 ePKP	26 45.10 1.0
KRA	64.92	38 eP	10 04.90 0.3	LIC	47.74	225 P	26 47.00 0.1	LSF	153.95	340 ePKP	26 45.30 0.8
		e	10 08.10	S.D. = 1.0 on 23 of 27 obs.				S.D. = 1.0 on 19 of 34 obs.			
		i	10 20.10								
GOL	65.08	310 e(P)	10 05.70 -0.5	JUN 05, 1991 02h 05m 12.16±1.16s				& JUN 05, 1991 02h 15m 31.39s			
	1.2s	11.48nm	4.9mb	42.993 N ± 7.1km 13.110 E ± 12.1km				60.210 N 151.168 W			
ANMO	65.23	304 eP	10 05.20 -1.9	DEPTH = 10.0km (geophysicist)				DEPTH = 46.7km			
ALO	65.23	304 eP	10 18.00 10.8X	CENTRAL ITALY (381)				KENAI PENINSULA, ALASKA (14)			
HFS	65.50	27 eP	10 07.40 -0.7	ASS	0.34	283 P	05 18.50 -0.7	<AEIC>. ML 2.5 (AEIC).			
	1.2s	25.50nm	5.3mb	ARV	0.52	346 Pc	05 23.60 -0.4	NKA	0.54	356 eP	15 44.47 1.5
Z	18s	0.05um	3.7msz	AQU	0.67	161 P	05 25.60 0.0	SLKM	0.56	57 iP	15 42.68 -0.6
		LR	29 47.00			eSg	05 30.90			eS	15 51.86
FFC	66.64	326 eP	10 17.00 1.5	MNS	0.69	208 P	05 25.80 0.0	HOM	0.60	204 iP	15 43.49 -0.3
	0.9s	11.00nm	5.0mb			eSg	05 37.40			eS	15 52.88
MLR	67.72	44 eP	10 37.00 14.2X	CRE	1.06	307 P	05 33.20 1.0	CNPM	0.69	183 iP	15 44.11 -0.9
VR1	68.33	44 iPc	10 24.00 -2.4			eSn	05 48.30			iS	15 54.55
BW06	68.68	313 eP	10 29.10 0.2	S.D. = 0.9 on 5 of 5 obs.				RDT	0.72	301 iP	15 44.74 -0.6
	1.2s	3.08nm	4.4mb							iS	15 55.93
NUR	70.67	28 eP	10 56.00 15.6X	JUN 05, 1991 02h 06m 55.28±0.53s				REF	0.81	291 iP	15 45.97 -0.9
SES	70.90	320 eP	10 43.00 0.9	22.158 S ± 14.5km 169.164 E ± 11.3km				RED	0.83	285 iP	15 46.09 -0.8
SOD	73.59	22 iP	11 05.50 7.8X							eS	15 58.17
KEV	74.46	20 eP	11 12.00 9.3X					RSO	0.83	288 iP	15 46.26 -0.8
NEW	74.58	318 eP	11 01.50 -2.3								
	1.1s	4.01nm	4.4mb								
YKA	75.02	333 eP	11 14.10 8.1X								

05d 02h

RS2	0.83	288	iP	15	58.65	-0.8
			eS	15	58.39	
RDN	0.85	292	iP	15	46.24	-1.0
			eS	15	58.49	
RDW	0.86	289	eP	15	46.60	-0.9
			eS	15	59.04	
SEW	0.87	96	eP	15	46.35	-1.0
			S	15	58.77	
NCT	0.94	293	eP	15	47.65	-0.9
CKL	1.14	330	eP	15	50.93	-0.5
			S	16	05.73	
CRP	1.17	336	eP	15	51.41	-0.3
CGLM	1.18	340	iP	15	51.67	-0.1
			S	16	07.27	
BGL	1.22	331	eP	15	52.13	-0.2
SUA	1.28	9	eP	15	52.77	-0.4
NGG	1.29	338	eP	15	53.30	-0.1
PMS	1.30	37	eP	15	53.37	-0.2
AUE	1.40	234	eP	15	54.44	-0.4
AUI	1.44	233	eP	15	54.99	-0.4
			eS	16	12.29	
PDB	1.58	256	iP	15	56.91	-0.4
LTI	1.67	94	eP	15	56.48	-2.1
KNIM	1.72	84	iP	15	56.83	-2.5
SKT	1.79	355	iP	16	00.28	0.0
KNK	1.80	47	eP	15	59.59	-0.9
CDD	1.80	226	eP	15	59.99	-0.5
GHO	1.91	34	eP	16	01.12	-1.0
KLU	2.87	61	iP	16	13.77	-2.1

30 obs. associated

% JUN 05, 1991 02h 21m 37.39±0.99s
39.395 N ± 7.3km 27.894 E ± 9.9km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 3.1 (ISK).

EDC	0.95	359	ePn	21	55.50	0.0
BNT	0.96	1	ePn	21	54.70	-1.0
IZM	1.11	207	ePn	21	57.80	-0.5
KGT	1.15	337	ePn	21	58.70	-0.2
EZN	1.29	290	ePn	22	02.00	0.8
IZI	1.54	52	ePn	22	05.70	0.8

S.D. = 0.9 on 6 of 6 obs.

* JUN 05, 1991 02h 32m 24.26±1.56s
36.811 N ± 18.2km 29.127 E ± 7.3km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 3.6 (ISK).

ELL	0.63	95	iPg	32	36.80	-0.2
			iSg	32	45.80	
YER	0.75	296	iPg	32	39.50	0.5
			iSg	32	51.50	
CIN	1.14	314	eP	32	45.00	-0.7
BCK	1.34	61	iPn	32	49.20	0.3
KHL	1.54	12	ePn	32	52.00	0.1

S.D. = 0.6 on 5 of 5 obs.

* JUN 05, 1991 02h 35m 00.69±0.86s
46.037 N ± 17.2km 153.159 E ± 11.6km
DEPTH = 33.0km (normal)
4.5mb (15 obs.)

KURIL ISLANDS (221)

KUSJ	6.71	247	eP	36	36.20	-3.2X
			eS	37	47.70	
ASAJ	7.69	259	eP	36	53.90	0.8
MDJ	16.63	274	eP	38	53.00	0.4
CN2	19.71	273	eP	39	28.30	-1.9
SNY	21.65	269	eP	39	48.20	-1.8
FBA	36.70	38	e(P)	42	06.90	0.9
	1.0s		0.90nm			3.6mb
GTA	39.12	280	eP	42	27.20	0.5
	1.0s		10.00nm			4.5mb
CD2	40.86	266	P	42	42.00	1.0
GYA	41.60	258	P	42	47.80	0.6
YKA	51.48	36	eP	44	03.50	-1.0
	0.7s		0.70nm			3.7mb
GUN	55.10	276	P	44	32.00	-0.3
KKN	55.59	276	P	44	36.00	0.4
PKI	55.63	276	P	44	36.80	0.7
GKN	55.90	276	P	44	37.80	0.0
WRA	67.85	199	P	45	57.00	-0.7
	0.6s		1.70nm			4.3mb

NB2	68.91	341	P	45	59.50	-4.4X
	0.7s		1.50nm			4.2mb
HFS	69.14	340	eP	46	02.80	-2.4
	0.4s		1.10nm			4.3mb
KBA	80.79	333	iPc	47	13.10	0.8
	0.9s		7.50nm			4.7mb
			ic	47	14.20	
WTTA	81.15	335	iPc	47	16.10	1.9
	0.6s		5.30nm			4.7mb
			i	47	19.70	
CDF	81.33	338	eP	47	15.00	0.0
LOR	83.26	340	eP	47	24.50	-0.4
	0.5s		2.90nm			4.6mb
LBF	83.49	339	eP	47	26.20	0.0
	0.8s		4.05nm			4.6mb
SSF	83.54	340	eP	47	26.00	-0.3
	0.8s		3.35nm			4.5mb
AVF	83.83	340	eP	47	27.80	0.0
SMF	83.84	339	eP	47	27.20	-0.7
	1.0s		6.00nm			4.7mb
LPL	84.14	337	eP	47	30.20	0.5
LPG	84.15	337	eP	47	30.10	0.2
MAF	84.55	340	eP	47	32.20	0.7
	0.8s		5.35nm			4.8mb
LSF	84.77	341	eP	47	31.50	-1.0
	0.8s		2.70nm			4.5mb
CAF	85.89	340	eP	47	39.40	1.2
	0.8s		3.35nm			4.6mb

S.D. = 1.0 on 28 of 30 obs.

JUN 05, 1991 03h 58m 59.50±0.51s
49.111 N ± 4.8km 6.855 E ± 6.8km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
MD 2.6 (STR).

GWf	0.52	105	Pg	59	09.33	-0.8
WLF	0.72	321	iPd	59	12.72	-0.9
			iS	59	22.07	
WLS	0.77	155	Pg	59	14.13	-0.5
ECH	0.92	167	Pg	59	17.11	0.0
VITF	1.07	213	Pg	59	19.30	-0.2
			Sg	59	34.37	
MOF	1.27	172	Pg	59	23.88	0.7
			Sg	59	41.64	
FEL	1.46	148	Pg	59	26.45	0.5
			Sg	59	46.60	
MEM	1.60	340	iPc	59	28.30	0.5
LOMF	1.76	181	Pn	59	30.47	0.1
ENN	1.76	340	iPc	59	31.50	1.3
	0.5s		28.00nm			
			eS	59	50.00	
DOU	1.77	305	P	59	29.60	-0.8
			i	59	32.30	
GRF	2.91	77	ePg	59	53.50	6.8X
			e(Sg)	00	33.00	
ZST	6.85	94	eP	00	49.40	7.0X

S.D. = 0.8 on 11 of 13 obs.

JUN 05, 1991 04h 23m 38.43±0.97s
36.419 N ± 13.0km 71.212 E ± 7.0km
DEPTH = 225.8 ± 10.7 km
3.9mb (4 obs.)

AFGHANISTAN-USSR BORDER REGION (717)

MAIO	9.45	273	eP	25	51.00	-0.3
GKN	14.12	123	P	26	50.30	0.2
KKN	14.69	122	P	26	57.30	0.1
	0.5s		76.00nm			5.3mb X
PKI	14.92	122	P	26	59.94	-0.2
GUN	15.03	120	P	27	01.68	0.2
KRA	39.00	307	eP	30	45.10	0.9
NB2	44.55	323	P	31	28.70	-0.4
	0.7s		1.70nm			3.6mb
MTD	64.82	222	iPc	33	55.50	0.2
KIC	74.95	267	P	34	56.80	0.2
TIC	75.01	267	P	34	57.10	0.1
LIC	75.26	267	P	34	58.00	-0.4
YKA	81.32	3	eP	35	30.20	0.0
	0.5s		0.80nm			3.7mb
WRA	81.80	122	P	35	33.00	-0.5
	0.3s		1.20nm			4.1mb
WB2	81.81	122	iPc	35	33.40	-0.1
	0.4s		5.20nm			4.6mb

S.D. = 0.4 on 14 of 14 obs.

% JUN 05, 1991 04h 53m 50.36±0.94s

43.014 N ± 7.4km 12.985 E ± 11.2km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

ASS	0.24	283	Pc	53	55.10	-0.5
			eSg	53	59.30	
ARV	0.48	356	Pc	53	59.40	-0.8
			eSg	54	08.00	
MNS	0.67	200	P	54	03.00	-0.7
			eSg	54	13.00	
AQU	0.73	155	P	54	04.00	-0.7
			eSg	54	17.00	
CRE	0.97	309	P	54	10.20	1.3
			eSg	54	25.40	
SFI	1.23	318	P	54	16.20	3.1X
			eSn	54	32.10	
SDI	1.45	155	P	54	18.00	1.4

S.D. = 1.4 on 6 of 7 obs.

? JUN 05, 1991 05h 40m 36.45±1.26s
5.715 S ± 12.4km 76.220 W ± 23.4km
DEPTH = 33.0km (normal)
3.7mb (1 obs.)

NORTHERN PERU (111)

NNA	6.26	186	iPc	42	09.50	0.4
	0.7s		32.88nm			5.2mb X
			iS	43	16.80	
HUA	6.35	172	eP	42	14.40	3.8X
			eS	43	36.70	
PT10	6.36	187	e(P)	42	10.00	-0.4
			eS	42	20.00	
ZOBO	13.15	144	eP	43	50.00	5.8X
			i	44	57.00	
			i	47	53.80	
LPB	13.38	144	P	44	03.00	16.0X
			e	48	10.00	
CNCB	13.66	144	P	44	07.00	16.1X
			e	48	07.00	
CCH	15.22	140	eP	44	11.00	0.0
SIV	18.03	126	P	44	55.00	8.7X
YKA	74.06	343	eP	52	10.70	0.0

S.D. = 0.6 on 4 of 9 obs.

* JUN 05, 1991 06h 32m 51.56±0.91s
30.637 S ± 16.2km 178.289 W ± 16.1km
DEPTH = 33.0km (normal)
5.0mb (5 obs.)

KERMADEC ISLANDS (178)

RAO	1.42	13	P	33	15.50	0.3
			S	33	30.00	
HBZ	7.50	201	eP	34	36.20	-5.1X
PUZ	7.95	200	eP	34	41.20	-6.5X
			eS	36	09.50	
NOZ	8.52	200	eP	34	49.10	-6.4X
MNG	11.17	205	eP	35	22.70	-9.3X
			eS	37	21.60	
CAW	11.75	205	eP	35	29.40	-10.4X
WEL	12.02	206	eP	35	36.00	-7.4X
			S	37	45.00	
DZM	16.11	298	iPc	36	54.80	17.5X
RMD	29.18	270	iPc	38	54.20	2.1
CMS	30.67	259	eP	39	07.00	1.7
STK	34.18	257	iPd	39	37.10	1.1
	0.6s		17.60nm			5.2mb
			i	39	43.10	
QIS	39.08	275	eP	40	17.00	-0.5
ASPA	42.85	267	eP	40	47.90	-0.6
	0.6s		10.80nm			4.8mb
WB2	43.85	273	iPc	40	55.40	-1.2
	0.4s		30.50nm			5.4mb
WRA	43.86	273	P	40	55.00	-1.6
	0.8s		20.30nm			5.0mb
FORR	45.69	255	eP	41	09.90	-1.3
SPA	59.53	180	eP	42	54.00	0.0
	1.0s		8.50nm			4.8mb
KAF	144.69	340	ePKP	52	20.90	-4.8X
	0.5s		4.10nm			
OBN	145.21	325	iPKPc	52	27.00	0.2
	1.0s		*****nm			
NUR	146.45	340	ePKP	52	26.90	-1.8
NB2	148.95	351	PKP	52	33.60	0.8
	0.7s		4.90nm			
HFS	149.42	348	ePKP	52	34.30	0.8
	1.1s		13.60nm			

MML 151.28 282 ePKP 52 45.00 7.8X
PRNI 151.37 278 ePKP 52 44.00 6.6X
S.D. = 1.3 on 14 of 24 obs.

JUN 05, 1991 06h 44m 42.32±0.16s
2.437 N ± 2.9km 128.618 E ± 4.3km
DEPTH = 224.7km (3 depth phases)
5.0mb (47 obs.)

HALMAHERA (267)

CENTROID, MOMENT TENSOR (HRV)

Date Used: GDSN

L.P.B.: 14S, 22C

Centroid Location:

Origin Time 06:44:47.4 0.6

Lat 3.01N 0.04 Lon 128.31E 0.07

Dep 223.6 4.5 Half-duration 1.6

Moment Tensor; Scale 10**16 Nm

Mrr= 4.94 0.46 Mtt=-1.17 0.71

Mff=-3.76 0.87 Mrt=-3.77 0.76

Mrf=-6.15 0.61 Mtf= 2.37 0.57

Principal Axes:

T Vol= 9.90 Plg=55 Azm=131

N -2.92 22 6

P -6.98 26 265

Best Double Couple:Mo=8.4*10**16

NP1:Strike=316 Dip=27 Slip= 36

NP2: 192 74 113

MNI 3.90 255 ePd 45 45.30 0.9

DAV 5.53 327 eP 46 05.50 0.9

1.5s 5888.89nm 6.4mb X

AAI 6.10 184 eP 46 16.00 4.1X

CGP 7.14 327 iPc 46 25.50 0.3

eS 47 01.00

MAP 9.09 330 iPc 46 51.20 0.7

1.0s 135.00nm 5.1mb

TSM 10.68 280 ePd 47 15.90 5.1X

0.9s 431.00nm 5.7mb

PGP 13.35 326 iPc 47 46.00 1.5

1.0s 55.00nm 4.9mb

MTN 15.39 171 eP 48 09.00 -0.6

0.4s 275.00nm 6.0mb

BAG 15.98 331 eP 48 17.50 0.5

eS 51 11.00

MNDI 17.27 120 eP 48 35.00 3.4X

PIP 17.63 334 eP 48 39.00 3.9X

TRT 18.86 238 iPc 48 48.10 0.2

0.6s 186.40nm 5.8mb

PJG 19.51 55 eP 48 54.30 -0.3

GUA 19.52 55 eP 48 54.70 0.0

0.7s 126.03nm 5.6mb

LAT 20.45 116 eP 49 04.60 0.6

PMG 21.90 123 e(P) 49 18.00 -0.1

WRA 22.94 166 P 49 27.80 -0.4

WB2 22.94 166 iPd 49 28.20 0.0

0.4s 240.30nm 6.1mb X

OZH 24.38 337 eP 49 42.40 0.8

eS 53 38.50

OIZ 24.69 313 eP 49 43.40 -1.2

E 10s 0.60um

MBL 24.98 200 iPd 49 46.70 -0.5

0.3s 9.00nm 4.8mb

OIS 25.26 155 iPc 49 49.20 -0.6

0.4s 41.00nm 5.4mb

KGM 25.28 270 eP 49 51.50 1.4

ASPA 26.45 169 iPc 50 00.20 -0.4

0.6s 217.90nm 6.0mb

iPcP 53 19.50

iS 54 15.00

IPM 27.62 275 ePd 50 13.80 2.5

0.8s 71.40nm 5.4mb

NANU 27.94 207 eP 50 13.30 -0.7

0.4s 8.00nm 4.8mb

SNG 28.29 281 eP 50 17.10 -0.1

e 51 08.90 266kmX

CTA 28.30 143 P 50 17.60 0.3

WARB 28.52 184 eP 50 19.00 -0.1

0.3s 10.00nm 5.0mb

NNT 30.32 291 iPd 50 34.80 -0.4

MEKA 30.48 198 eP 50 35.00 -1.4

WHN 31.05 336 Pd 50 43.00 1.7

KHT 32.06 294 eP 50 50.50 0.2

FORR 33.10 181 eP 50 58.00 -1.1

0.3s 24.00nm 5.3mb

CHG 33.30 301 ePd 51 01.50 0.5

0.8s 22.57nm 4.9mb

MRWA 33.72 200 eP 51 03.00 -1.4

COOL 33.89 192 eP 51 04.50 -1.4

0.5s 10.00nm 4.7mb

BAL 34.77 198 eP 51 12.60 -0.7

0.4s 20.00nm 5.1mb

MAT 35.07 14 eP 51 14.00 -1.8

0.9s 21.01nm 4.7mb

eS 56 25.00

TIA 35.25 344 eP 51 16.10 -1.2

KLB 35.38 196 eP 51 17.60 -0.8

0.3s 13.00nm 5.0mb

MUN 36.20 198 eP 51 24.80 -0.5

0.6s 49.00nm 5.3mb

STK 36.29 161 iPc 51 25.90 -0.1

0.4s 78.40nm 5.6mb

iPcP 53 45.80

eS 56 46.50

XAN 36.42 332 P 51 26.90 -0.3

S 56 50.00

NWA0 36.78 196 eP 51 30.00 -0.2

0.5s 23.00nm 5.0mb

CD2 36.80 323 P 51 30.60 0.2

0.8s 21.00nm 4.8mb

S 56 54.00

CMS 37.50 155 eP 51 36.00 -0.2

i 53 08.40 497kmX

TIY 38.12 339 eP 51 41.50 0.1

0.8s 28.00nm 4.9mb

Z 20s 0.38um 4.2MsZ

N 18s 0.50um

ADE 38.39 167 iPc 51 44.60 0.9

0.8s 462.69nm 6.1mb X

RKG 38.39 196 iPd 51 44.70 1.1

0.5s 69.00nm 5.5mb

BJI 39.10 345 eP 51 49.00 -0.3

1.0s 20.00nm 4.6mb

pP 52 37.50 232km

PcP 53 55.50

SNY 39.48 354 P 51 52.00 -0.4

1.0s 17.00nm 4.5mb

COO 39.63 148 iPc 51 55.00 1.1

e 53 27.00 504kmX

LZH 40.57 329 P 52 02.50 0.8

pP 52 47.00 209kmX

PcS 57 44.00

BWA 41.12 155 eP 52 07.60 1.5

HHC 41.23 340 eP 52 07.40 0.5

BFD 41.48 163 iPc 52 10.00 1.1

0.8s 86.00nm 5.3mb

i 53 50.00 561kmX

MDJ 42.01 1 Pd 52 13.80 0.7

1.0s 14.00nm 4.4mb

CAN 42.13 155 eP 52 15.10 0.8

TOO 42.77 160 eP 52 21.00 1.6

0.5s 21.00nm 4.8mb

DZM 44.25 125 iPc 52 32.80 1.2

LSA 44.70 311 eP 52 37.00 1.5

S 58 53.00

GTA 45.17 328 eP 52 38.80 0.1

1.2s 20.00nm 4.4mb

Z 24s 0.30um 4.1MsZ

E 13s 0.20um

GUN 48.01 306 P 53 00.80 -0.4

0.5s 66.00nm 5.3mb

TAU 48.19 162 eP 53 03.00 1.1

PKI 48.25 305 P 53 02.06 -1.0

KKN 48.44 306 P 53 03.46 -1.0

GKN 49.05 306 P 53 08.06 -0.9

0.7s 25.00nm 4.8mb

WMO 54.86 325 P 53 51.50 -0.3

1.2s 26.00nm 4.7mb

YAK 59.44 1 iPc 54 22.30 -1.0

ePcP 55 07.00

iP 55 30.00 307kmX

eS 02 11.00

eScS 03 44.00

THZ 59.53 143 P 54 24.40 0.0

KHZ 60.30 143 P 54 28.90 -0.6

0.3s 11.00nm 5.0mb

HBZ 60.80 136 eP 54 32.70 -0.3

0.3s 22.00nm 5.3mb

NOZ 61.13 137 eP 54 34.90 -0.3

CSY 69.79 188 iPd 55 30.00 0.2

0.6s 93.20nm 5.7mb

eS 02 45.80

MAIO 71.79 307 eP 55 42.00 -0.5

0.9s 12.79nm 4.7mb

i 56 35.00 225km

ANM 77.67 24 P 56 16.40 1.2

IR4 78.57 305 eP 56 20.00 -0.9

IR1 78.75 305 eP 56 21.00 -0.9

IR7 78.84 306 eP 56 22.00 -0.3

SVW 81.01 28 P 56 34.50 1.4

0.8s 22.07nm 4.9mb

RSO 82.28 29 P 56 39.60 -0.3

SBA 82.81 172 iPc 56 43.80 1.8

MAW 83.21 201 iP 56 45.00 0.8

0.6s 33.00nm 5.3mb

SLKM 83.53 29 P 56 45.80 -0.2

PMR 84.17 28 P 56 49.20 0.1

0.9s 55.00nm 5.3mb

FBA 85.08 25 P 56 53.10 -0.6

0.5s 6.20nm 4.6mb

BALM 87.42 29 P 57 05.30 0.1

OBN 89.18 325 iPc 57 13.50 0.0

0.8s *****nm 8.3mb X

e 58 07.00 218km

e 58 30.00

INK 90.67 22 eP 57 19.00 -1.2

KEV 91.74 340 eP 57 24.00 -1.1

SOD 92.37 338 iP 57 27.60 -0.4

SPA 92.42 180 iPc 57 29.50 1.0

0.7s 15.63nm 5.2mb

MBC 92.79 13 eP 57 29.50 -0.3

1.0s 7.00nm 4.7mb

KAF 93.61 333 iP 57 32.00 -1.8

0.6s 5.10nm 4.8mb

NUR 94.74 331 iP 57 27.60 -11.4X

MTD 97.43 253 iPd 57 51.60 -0.6

YKA 99.88 25 eP 58 01.20 -1.1

0.9s 2.50nm 4.6mb

HFS 100.03 333 ePd i f 58 00.70 -2.3X

0.6s 7.90nm 5.3mb

Z 16s 0.05um 4.1MsZ

LR 39 48.00

BUL 100.23 250 ePd i f 58 04.00 -1.0

NB2 100.77 334 Pd i f 57 58.70 -7.6X

1.0s 4.00nm 4.9mb

TUL 123.69 43 ePKP 03 12.40 -2.7X

1.6s 32.00nm

TIC 132.85 281 PKP 03 24.00 -9.3X

LKO 132.86 285 PKP 03 32.08 -1.2

TACH 143.96 152 ePKPd 03 51.50 -1.5

PCH 144.19 152 ePKP 03 52.50 -1.0

SAN

05d 07h

DEPTH = 110.7 ± 8.9 km SAN JUAN PROVINCE, ARGENTINA (137)					PJG 20.08 341 eP 37 54.20 1.0		0.7s 5.90nm 4.6mb
RTLL 0.19 255 iPc 27 29.00 -0.8					RMO 20.99 187 eP 38 03.00 0.5		ASPA 77.13 202 eP 47 32.90 -0.1
ZON 0.45 234 iPc 27 32.00 1.3							1.2s 5.30nm 4.3mb
RTCB 0.51 246 iPc 27 30.80 -0.3					BRS 21.78 177 iPd 38 11.00 0.7		S.D. = 1.0 on 22 of 22 obs.
RTRS 1.52 317 iP 27 41.00 -0.2					WB2 21.91 228 iPd 38 11.20 -0.5		? JUN 05, 1991 09h 37m 04.66 ± 7.95s
JACH 2.43 234 iP 27 55.50 2.5X					0.6s 48.30nm 5.1mb		44.187 N ± 20.6km 8.347 E ± 75.3km
PEL 2.77 227 iPd 27 57.50 0.0							DEPTH = 10.0km (geophysicist)
					ASPA 24.68 221 iPd 38 39.10 0.5		NORTHERN ITALY (545)
					1.1s 30.90nm 4.6mb		ML 2.4 (LDG).
SAN 2.97 223 iPc 28 00.40 0.2							SBF 0.73 244 Pg 37 19.20 0.1
							Sg 37 25.40
PCH 3.01 219 eP 28 01.20 0.4					CMS 26.34 191 eP 38 55.00 1.1		FRF 1.38 244 Pg 37 29.80 -0.1
							Sg 37 41.80
TACH 3.28 223 iPd 28 03.50 -0.8					STK 27.78 198 eP 39 13.50 6.5X		LMR 1.58 238 Pg 37 33.00 0.2
					0.8s 3.30nm 4.0mb X		Sg 37 48.70
CCH 13.97 8 (P) 30 34.00 5.7X					WARB 31.33 226 eP 39 38.70 0.0		LRG 1.61 244 Pg 37 33.00 -0.2
CNCB 14.41 1 P 30 35.00 0.8					MBL 34.31 240 iPd 40 03.70 -1.0		Sg 37 48.10
LPB 14.68 1 P 30 42.00 4.4X					NANU 38.55 240 eP 40 40.00 -0.4		LPG 1.73 320 Pg 37 35.30 0.0
ZOBO 14.94 0 P 30 40.80 -0.3					QIZ 47.66 302 eP 41 55.60 1.4		S.D. = 0.3 on 5 of 5 obs.
SIV 16.57 25 P 31 00.60 -0.3					GYA 53.75 309 eP 42 41.40 1.1		% JUN 05, 1991 10h 18m 24.15 ± 1.12s
PPD 17.71 63 (P) 31 38.00 23.2X					CN2 54.41 337 eP 42 49.40 4.6X		41.141 N ± 13.9km 28.692 E ± 4.4km
S.D. = 0.8 on 11 of 15 obs.					XAN 56.21 318 P 42 57.00 -1.0		DEPTH = 10.0km (geophysicist)
? JUN 05, 1991 07h 31m 59.35 ± 7.33s					CD2 58.17 312 P 43 11.90 0.0		TURKEY (366)
38.954 N ± 28.1km 26.058 E ± 67.5km					GUN 71.32 302 P 44 36.96 -0.6		MD 2.4 (ISK).
DEPTH = 10.0km (geophysicist)					0.8s 35.00nm 5.3mb		CTT 0.20 272 iPg 18 28.10 -0.4
AEGEAN SEA (365)					PKI 71.62 301 P 44 38.40 -0.9		ISK 0.29 105 iPg 18 30.20 0.0
MD 3.7 (ISK).					1.0s 22.00nm 5.0mb		eSg 18 34.70
EZN 0.89 13 iPg 32 16.20 -0.3					KKN 71.79 301 P 44 39.42 -0.8		HRT 0.80 113 ePg 18 40.20 0.4
					0.9s 35.00nm 5.3mb		eSg 18 50.70
IZM 1.09 120 ePn 32 19.90 0.0					GKN 72.40 302 P 44 42.88 -0.8		BNT 0.98 217 ePg 18 43.00 0.3
KGT 1.78 32 iPn 32 30.10 -0.2					1.0s 49.00nm 5.4mb		IZI 1.00 143 iPg 18 42.50 -0.6
BNT 2.01 45 ePn 32 33.60 0.0					WMO 75.34 318 eP 45 04.00 3.6X		MFT 1.13 252 ePn 18 45.60 0.3
MFT 2.06 27 ePn 32 35.00 0.5					PPD 144.71 142 ePKP 52 53.30 -0.5		KGT 1.26 237 ePn 18 47.60 0.1
S.D. = 0.5 on 5 of 5 obs.							S.D. = 0.5 on 7 of 7 obs.
* JUN 05, 1991 08h 17m 02.81 ± 0.97s					BAO 151.52 138 ePKPd 53 11.50 6.7X		? JUN 05, 1991 10h 26m 41.19 ± 1.89s
36.981 N ± 10.8km 29.441 E ± 6.8km					LKO 156.85 281 PKP 53 22.90 10.8X		6.465 S ± 20.2km 130.003 E ± 52.1km
DEPTH = 10.0km (geophysicist)					S.D. = 0.9 on 23 of 28 obs.		DEPTH = 182.7 ± 11.7 km
TURKEY (366)					* JUN 05, 1991 09h 35m 46.59 ± 0.43s		4.8mb (5 obs.)
ELL 0.44 122 iPg 17 11.80 0.0					51.036 N ± 10.5km 157.055 E ± 9.4km		BANDA SEA (280)
YER 0.94 280 ePn 17 20.00 -0.8					DEPTH = 77.3km (5 depth phases)		AAI 3.30 327 eP 27 34.50 0.4
BCK 1.03 62 iPn 17 22.70 0.3					4.5mb (13 obs.)		MTN 6.44 170 eP 28 13.50 -1.3
CIN 1.24 300 eP 17 27.00 1.1					NEAR EAST COAST OF KAMCHATKA (218)		eS 29 22.00
KHL 1.34 3 ePn 17 27.00 -0.6					YAK 18.50 317 eP 39 59.00 0.3		KNA 9.31 187 eP 28 53.00 0.4
S.D. = 1.0 on 5 of 5 obs.							0.3s 30.00nm 5.2mb
* JUN 05, 1991 09h 24m 07.60 ± 1.66s					MAT 19.79 230 eP 40 13.00 -0.1		eS 30 36.00
48.374 N ± 14.3km 112.007 W ± 10.3km					(S) 41 10.00		WB2 14.05 163 eP 29 48.70 -4.9X
DEPTH = 5.0km (geophysicist)					FBA 31.21 42 P 42 00.00 -0.1		0.4s 13.60nm 4.7mb
MONTANA (456)					0.5s 5.79nm 4.6mb		OIS 16.82 147 eP 30 24.00 -3.7X
ML 3.6 (BUT).					INK 36.64 36 eP 42 47.00 0.4		eS 33 11.00
HRY 1.67 176 ePnd 24 39.00 1.3					pP 43 05.00 7.3km		ASPA 17.51 168 iPd 30 36.80 1.1
SXM 2.29 166 ePn 24 47.90 1.0					MBC 39.66 22 eP 43 13.00 1.2		0.8s 32.80nm 4.8mb
BUT 2.39 189 ePg 24 48.40 0.1					YKA 45.95 40 eP 44 03.40 0.5		eS 33 41.50
					0.6s 1.30nm 4.0mb		i 34 04.70
LRM 2.57 187 ePn 24 50.50 -0.3					SES 54.38 52 eP 45 06.00 -1.3		MBL 17.62 213 eP 30 41.60 4.8X
HBMT 2.61 189 ePnd 24 51.10 -0.4					CHG 55.63 257 eP 45 18.50 1.8		0.4s 12.00nm 4.6mb
MEMT 2.86 165 ePn 24 55.70 -0.8					ORV 55.63 68 P 45 16.50 0.0		WARB 19.87 189 iPd 31 05.00 4.7X
BGMT 3.14 180 ePn 24 58.50 -0.4					FFC 55.81 44 eP 45 17.50 0.0		MAT 43.47 10 eP 34 01.00 -26.9X
NEW 3.41 270 ePn 25 02.90 0.3					0.8s 10.00nm 4.9mb		GUN 54.61 311 P 35 53.60 0.0
					TNP 59.11 66 iP 45 41.30 0.0		0.6s 20.00nm 5.0mb
MCMT 3.59 190 ePn 25 04.20 -1.2					0.7s 6.11nm 4.8mb		PKI 54.78 310 P 35 54.60 -0.3
LTMT 3.85 181 ePn 25 08.70 -0.4					pP 46 01.90 8.1km		KKN 54.99 310 P 35 56.00 -0.2
RSSD 6.97 125 ePn 25 52.40 -0.7					sP 46 21.90		GKN 55.59 310 P 36 00.20 -0.3
S.D. = 0.9 on 11 of 11 obs.					BW06 60.18 58 eP 45 48.80 0.2		CNCB 150.83 143 PKP 46 17.00 8.0X
JUN 05, 1991 09h 33m 23.14 ± 0.90s					1.0s 7.50nm 4.8mb		ZOBO 151.15 142 PKP 46 18.50 9.0X
5.534 S ± 5.6km 151.406 E ± 9.8km					pP 46 08.70 7.7km		S.D. = 0.9 on 8 of 15 obs.
DEPTH = 74.8 ± 8.6 km					sP 46 16.90		JUN 05, 1991 12h 37m 41.11 ± 0.86s
5.2mb (7 obs.)					PLM 62.58 70 P 46 05.20 0.4		40.643 N ± 8.3km 29.928 E ± 6.1km
NEW BRITAIN REGION (192)					PV09 63.40 61 P 46 10.50 0.3		DEPTH = 10.0km (geophysicist)
RAB 1.54 30 iP 33 48.50 -0.7					GOL 64.59 58 eP 46 18.90 1.0		TURKEY (366)
					1.1s 5.77nm 4.4mb		MD 2.9 (ISK).
LAT 4.52 256 eP 34 31.70 1.1					NB2 64.97 342 P 46 17.20 -2.6		EYL 0.19 114 iPg 37 45.40 0.0
PMG 5.71 227 eP 34 46.00 -1.2					0.6s 0.70nm 3.8mb		HRT 0.27 312 iPg 37 46.60 -0.2
					ANMO 67.45 62 eP 46 36.70 0.6		GBZT 0.40 292 ePg 37 49.00 -0.2
OIS 18.82 216 eP 37 40.00 0.2					0.8s 4.66nm 4.5mb		iSg 37 55.00
GUA 20.02 341 eP 37 53.50 0.9					pP 46 57.60 80km		YLV 0.43 260 iPg 37 49.90 0.0
0.8s 155.22nm 5.4mb					sP 47 04.90		iSg 37 54.90
					ALO 67.45 62 eP 46 36.50 0.4		IZI 0.46 229 ePg 37 50.50 0.0
					0.9s 4.20nm 4.4mb		CTT 1.24 294 ePn 38 04.60 0.4
					TUL 72.44 54 eP 47 04.40 -1.8		
					0.8s 7.30nm 4.7mb		
					WB2 73.44 202 iPd 47 12.20 0.1		
					0.6s 6.10nm 4.7mb		
					i 47 32.40 76km		
					WRA 73.44 202 P 47 11.00 -1.1		

S.D. = 0.3 on 6 of 6 obs.
 % JUN 05, 1991 12h 45m 52.94 ± 2.46s
 15.920 N ± 20.3km 98.086 W ± 11.0km
 DEPTH = 10.0km (geophysicist)
 OFF COAST OF GUERRERO, MEXICO (65)
 Felt at Oaxaco.

PLO	0.47	355	iP	46 02.50	-0.1
			iS	46 08.00	
OXX	1.74	48	iP	46 24.00	0.4
			iS	46 46.25	
ACX	1.95	299	eP	46 26.00	-0.4
			iS	46 49.00	
PBJ	2.63	78	iP	46 38.00	1.9X
			iS	47 10.00	
III	2.78	332	iP	46 39.00	0.5
			iS	47 09.00	
IIT	3.09	356	iP	46 45.00	2.1X
			(S)	47 20.00	
IISM	3.13	12	iP	46 42.00	-1.1
			iS	47 19.00	
PPM	3.17	351	iP	46 45.00	0.7
			iS	47 20.00	
IIA	3.26	350	(P)	46 49.44	4.4X
			(S)	47 27.47	
MRX	4.79	322	(P)	47 09.00	2.2X

S.D. = 0.9 on 6 of 10 obs.
 % JUN 05, 1991 13h 50m 13.25 ± 0.61s
 44.625 N ± 7.8km 10.018 E ± 6.0km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)

BOB	0.43	289	P	50 23.00	0.9
			eSg	50 30.00	
MME	0.65	131	P	50 25.90	-0.5
			eSg	50 36.40	
BDI	0.70	143	Pd	50 26.40	-0.7
			eSg	50 38.60	
PII	0.97	158	Pc	50 31.80	0.1
			eSg	50 45.20	
MDI	1.17	349	Pd	50 34.40	-0.7
			eSg	50 51.00	
CKI	1.26	261	P	50 35.90	-0.7
SFI	1.49	117	P	50 41.00	0.9
CRE	1.71	125	P	50 44.00	0.6
DOI	1.99	267	P	50 47.50	0.2

S.D. = 0.8 on 9 of 9 obs.
 ? JUN 05, 1991 13h 53m 45.58 ± 4.15s
 39.535 N ± 37.4km 28.717 E ± 8.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.5 (ISK).

DST	0.10	316	iPg	53 47.00	-1.3
			iSg	53 49.70	
IZI	0.99	36	iPg	54 04.60	0.2
			eSg	54 18.60	
BNT	1.02	323	ePg	54 05.50	0.6
			eSg	54 19.50	
YLV	1.15	26	iPn	54 06.60	-0.5
KGT	1.42	311	ePn	54 12.00	0.6
EYL	1.51	47	ePn	54 13.00	0.2

S.D. = 1.0 on 6 of 6 obs.
 * JUN 05, 1991 14h 47m 13.11 ± 1.71s
 19.007 S ± 9.5km 169.492 E ± 16.1km
 DEPTH = 27.7 ± 8.9 km
 5.0mb (7 obs.) 4.6Msz (3 obs.)
 VANUATU ISLANDS (186)

PVC	1.69	318	iP	47 41.00	-0.1
BKM	1.78	318	iP	47 43.00	0.5
			iS	48 08.00	
DZM	4.18	223	iPc	48 15.20	-1.5
			iS	49 04.70	
HNR	13.27	315	P	50 31.00	8.7X
BRS	17.47	238	i(PKP)	51 31.00	14.4X
RMO	20.51	245	eP	51 53.00	1.2
			i	52 05.70	
PMG	23.64	291	eP	52 25.00	1.9
BWA	24.22	226	eP	52 29.70	1.1
CAN	24.34	224	eP	52 30.90	1.0
CMS	24.69	235	eP	52 34.00	0.8
STK	28.17	237	eP	53 04.80	-0.6

0.5s 2.10nm 4.1mb
 WB2 33.11 262 eP 53 47.30 -1.8
 1.1s 3.50nm 4.2mb
 ASPA 33.42 256 iPc 53 50.10 -1.7
 0.4s 22.10nm 5.4mb
 Z 22s 1.00um 4.5MszX

CGP	51.91	298	eP	56 10.00	-11.9X
MAT	62.66	332	iPc	57 35.30	-2.3
	1.0s	19.00nm		5.2mb	
		eS	06 25.00		
SPA	71.11	180	eP	58 30.00	-0.9
	1.0s	8.50nm		4.8mb	
CN2	74.39	328	eP	58 49.00	-1.2
BJI	76.91	321	eP	59 04.50	-0.1
TIY	77.83	317	eP	59 09.60	-0.3
MAW	78.74	202	eP	59 14.80	0.5
CHG	78.77	294	eP	59 16.00	0.6
HHC	80.20	319	eP	59 23.20	0.4
LZH	82.75	312	Pd	59 36.50	0.2
	2.0s	43.00nm		5.2mb	
YAK	86.70	342	iPd	59 55.40	0.2
GTA	87.14	313	eP	59 58.00	-0.1
	1.0s	10.00nm		5.0mb	
INK	96.25	18	eP	00 46.00	6.4X
WMO	97.22	314	P	00 45.00	0.4
MOX	143.87	336	ePKP	06 44.60	-2.8X
	1.5s	18.00nm			
VAY	144.11	315	ePKP	06 44.00	-4.1X
		i	06 50.50		
KHC	144.24	333	iPKPd	06 45.50	-2.6X
	1.3s	9.00nm			
SKO	144.53	317	iPKP	06 46.50	-2.3X
	1.2s	99.00nm			
		i	06 52.40		
GRF	144.78	335	ePKPc	06 47.50	-1.5
Z	21s	0.10um		4.6Msz	
		e	06 53.60		
		e	07 04.20		
PTJ	145.41	327	ePKP	06 48.70	-1.6
ZAG	145.45	327	iPKP	06 50.50	0.3
MEM	145.84	341	PKP	06 50.90	0.2
LJU	146.03	328	ePKP	06 52.00	0.8
VBY	146.04	327	ePKP	06 52.50	1.3
		e	06 58.80		
VOY	146.36	329	e(PKP)	06 52.50	0.6
DOU	146.72	342	PKP	06 46.20	-5.9X
		e	06 53.60		
CDF	147.32	338	ePKP	06 54.70	1.4
	1.0s	12.00nm			
HAU	147.99	338	ePKP	06 56.60	2.3X
	1.9s	100.65nm			
Z	21s	0.10um		4.6Msz	
LOR	149.46	341	ePKP	07 00.00	3.4X
		e	07 01.00		
SSF	149.75	341	ePKP	07 01.00	4.0X
	0.7s	6.05nm			
LPG	149.95	335	ePKP	07 06.10	8.3X
	1.1s	14.65nm			
LPF	150.04	347	ePKP	07 01.60	4.2X
	1.9s	100.65nm			
MAF	150.79	341	ePKP	07 03.20	4.6X
TCF	150.84	342	ePKP	07 03.40	4.7X
LSF	151.07	343	ePKP	07 03.80	4.7X

S.D. = 1.1 on 31 of 48 obs.
 * JUN 05, 1991 15h 00m 10.27 ± 0.91s
 49.065 N ± 7.5km 6.843 E ± 12.1km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 MD 2.6 (STR).

CDF	0.71	156	Pg	00 23.79	-0.6
			Sg	00 36.61	
WLS	0.74	152	Pg	00 24.06	-0.7
			Sg	00 36.69	
ECH	0.88	166	Pg	00 27.08	0.0
			Sg	00 42.85	
VITF	1.02	214	Pg	00 29.58	0.0
			Sg	00 46.83	
MOF	1.23	171	Pg	00 33.69	0.5
FEL	1.42	146	Pg	00 37.26	1.0
LOMF	1.72	180	Pg	00 43.06	2.6X
ENN	1.80	341	iP	00 41.50	-0.1
	0.6s	28.00nm			
		eS	01 01.00		

S.D. = 0.7 on 7 of 8 obs.
 & JUN 05, 1991 15h 23m 13.18s
 60.384 N 151.839 W
 DEPTH = 65.6km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>.

RDT	0.34	304	iP	23 23.64	-0.8
			iS	23 32.74	
REF	0.44	284	iP	23 24.73	-0.7
			eS	23 34.41	
RSO	0.46	280	iP	23 24.92	-0.7
			eS	23 34.95	
RS2	0.46	280	eP	23 24.98	-0.7
			eS	23 35.01	
RED	0.46	275	eP	23 24.86	-0.7
			eS	23 34.60	
NKA	0.47	39	eP	23 26.56	1.1
DFR	0.47	297	iP	23 24.80	-0.8
			eS	23 34.16	
RDN	0.48	286	iP	23 24.85	-0.9
			eS	23 34.47	
RDW	0.49	282	iP	23 25.16	-0.8
			eS	23 35.58	
NCT	0.57	289	iP	23 25.87	-0.8
			eS	23 36.02	
BRLK	0.78	142	eP	23 28.64	-0.4
			eS	23 40.66	
SLKM	0.81	80	eP	23 28.19	-1.2
CRP	0.90	350	iP	23 30.03	-0.6
			eS	23 44.24	
CNPM	0.91	160	eP	23 29.93	-0.7
			eS	23 42.97	
BGL	0.92	343	eP	23 30.14	-0.7
			eS	23 44.94	
CGLM	0.93	355	iP	23 30.25	-0.7
			S	23 44.41	
NCG	1.03	352	iP	23 31.68	-0.6
			S	23 46.93	
SUA	1.21	26	eP	23 33.97	-0.6
			eS	23 50.57	
SEW	1.22	102	eP	23 33.51	-1.1
AUE	1.29	218	eP	23 34.51	-1.0
AUH	1.30	219	eP	23 35.36	-0.5
AUI	1.32	218	eP	23 35.66	-0.3
			eS	23 53.34	
PDB	1.32	244	eP	23 34.70	-1.3
			eS	23 51.35	
PMS	1.41	51	eP	23 36.71	-0.6
PWA	1.59	36	eP	23 39.99	0.4
SKT	1.61	5	eP	23 38.94	-1.0
CDD	1.72	213	eP	23 40.40	-1.1
PLRM	1.79	46	eP	23 42.56	0.2
SYI	1.80	189	eP	23 41.39	-1.2
KNK	1.95	57	eP	23 42.98	-1.7
KNIM	2.04	89	eP	23 42.72	-3.2
VLZ	2.81	72	eP	23 53.59	-2.9

32 obs. associated
 ? JUN 05, 1991 15h 28m 45.43 ± 2.89s
 19.302 S ± 15.5km 170.282 E ± 35.4km
 DEPTH = 33.0km (normal)
 4.3mb (2 obs.) 3.8Msz (1 obs.)
 VANUATU ISLANDS (186)

PVC	2.43	309	iPc	29 23.90	0.2
BKM	2.53	310	iPc	29 29.00	3.9X
			iS	30 02.90	
DZM	4.53	232	iPd	29 53.10	-0.5
			iS	30 43.00	

05d 15h

TIMOR (289)					
KNA	7.67	137 eP	55 31.50	2.0	
		eS	56 52.00		
MTN	8.12	110 eP	55 36.00	0.2	
	0.3s	138.00nm		6.5mb	X
		eS	57 01.00		
MNI	11.67	8 eP	56 46.00	21.4X	
WB2	14.41	134 eP	56 58.60	-2.3	
	0.4s	4.50nm		4.4mb	
		S	59 30.30		
ASPA	16.79	144 eP	57 34.30	2.7X	
	0.8s	5.10nm		3.7mb	
		eS	00 27.90		
GUN	52.41	317 P	02 49.60	0.2	
PKI	52.51	317 P	02 49.80	-0.3	
KKN	52.74	317 P	02 51.70	0.1	
GKN	53.31	316 P	02 55.80	0.0	
S.D. = 1.5 on 7 of 9 obs.					

% JUN 05, 1991 16h 19m 16.73±0.93s
39.169 N ± 6.8km 27.460 E ± 13.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 2.8 (ISK).

IZM	0.79	191 ePg	19 32.00	0.0	
		eSg	19 44.10		
DST	1.00	64 ePn	19 36.00	0.2	
EDC	1.22	15 ePn	19 39.00	-0.4	
BNT	1.24	16 ePn	19 39.50	-0.2	
KGT	1.29	355 ePn	19 41.00	0.4	
S.D. = 0.5 on 5 of 5 obs.					

* JUN 05, 1991 16h 43m 07.67±0.55s
36.042 S ± 12.3km 100.732 W ± 7.7km
DEPTH = 10.0km (geophysicist)
5.2mb (8 obs.) 5.1Msz (2 obs.)
SOUTHERN PACIFIC OCEAN (692)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time: 16:43:11.6 0.5
Lat 36.02S 0.06 Lon 100.93W 0.06
Dep 15.0 FLX Half-duration 2.0
Moment Tensor: Scale 10**17 Nm
Mrr=-0.16 0.07 Mtt=0.01 0.08
Mff=0.14 0.06 Mrt=0.00 0.00
Mrf=0.00 0.00 Mtf=-1.51 0.08
Principal Axes:
T Val=1.59 Plg=0 Azm=226
N -0.16 90 180
P -1.44 0 136
Best Double Couple: Mo=1.5*10**17
NP1: Strike=271 Dip=90 Slip=-180
NP2: 1 90 0

TACH	24.53	93 eP	48 28.80	0.4	
SAN	24.80	93 ePd	48 32.00	0.9	
PEL	24.86	92 iPd	48 32.40	0.7	
	1.1s	50.63nm		5.1mb	
PCH	24.88	93 eP	48 32.00	0.1	
NNA	32.22	48 eP	49 38.50	0.1	
	1.1s	35.44nm		5.2mb	
Z	20s	4.79um		5.2Msz	
		i	50 49.50		
CNCB	34.79	65 iPc	50 02.10	0.9	
LPB	34.88	65 P	50 02.00	0.2	
	Z	24s	3.10um	5.0Msz	X
		S	55 44.00		
		LR	58 08.00		
ZOBO	35.03	64 iPc	50 03.50	0.2	
	1.2s	49.32nm		5.3mb	
		S	55 06.00		
		LR	58 20.00		
CCH	35.80	68 eP	50 10.00	0.5	
SIV	40.49	71 Pc	50 47.20	-1.3	
PPD	44.96	86 eP	51 23.90	-0.9	
VAO	48.01	90 (P)	51 48.00	-1.0	
UPA	49.03	28 eP	51 59.20	2.5	
	0.9s	28.57nm		5.3mb	
Z	21s	1.65um		5.0Msz	
BAO	50.98	81 ePd	52 11.00	-0.9	
BAR	69.97	346 eP	54 19.00	-2.2	
MEO	70.49	2 e(P)	54 22.70	-1.5	
PLM	70.66	346 eP	54 25.00	-0.6	

ALO	70.82	355 eP	54 24.00	-2.5	
	1.3s	8.65nm		4.7mb	
TPC	71.24	347 eP	54 29.00	0.1	
SBB	72.15	345 eP	54 34.00	-0.3	
SYF	72.47	343 eP	54 35.00	-1.3	
GSC	72.54	346 eP	54 36.00	-0.7	
ABL	72.61	344 P	54 37.00	-0.2	
TKL	73.06	14 P	54 37.20	-2.4	
CLC	73.20	346 eP	54 40.00	-0.4	
ISA	73.23	345 eP	54 41.00	0.4	
PR1	74.17	343 ePc	54 47.00	0.8	
PRS	74.52	343 ePc	54 48.70	0.7	
LLA	74.69	343 ePc	54 49.20	0.1	
FR1	74.77	344 ePc	54 49.20	-0.2	
MSU	74.93	351 P	54 51.40	0.7	
TNP	75.32	347 P	54 53.10	0.2	
GCC	75.33	343 ePc	54 54.40	1.7	
BONR	75.40	346 P	54 54.80	1.3	
MHC	75.55	343 ePc	54 55.10	1.0	
CMB	75.92	344 iPc	54 56.60	0.5	
MAW	75.93	174 eP	54 55.80	0.1	
	1.0s	14.00nm		5.0mb	
DAU	76.69	352 P	55 00.80	0.1	
ORV	77.62	344 ePc	55 06.30	0.8	
MIN	78.40	344 ePc	55 09.00	-1.0	
BW06	78.86	353 P	55 12.20	-0.3	
	1.4s	27.94nm		5.1mb	
LBFM	79.42	344 P	55 16.40	0.8	
RSSD	79.84	358 P	55 18.20	0.4	
LRM	82.17	352 eP	55 31.10	1.1	
LON	84.57	346 P	55 42.20	0.2	
BMW	84.60	345 P	55 42.60	0.4	
NEW	85.20	349 P	55 45.40	0.3	
	1.3s	33.02nm		5.4mb	
SES	86.55	353 eP	55 52.00	0.3	
HFS	132.44	38 ePKP	02 21.50	-1.6	
	0.4s	0.80nm			
JVI	143.58	83 ePKP	02 39.00	-5.5X	
MMI	143.79	83 ePKP	02 40.00	-4.8X	
CN2	144.13	297 ePKP	02 42.00	-3.0X	
HRI	144.30	81 ePKP	02 42.00	-3.7X	
SSE	144.92	274 ePKP	02 43.00	-3.7X	
		PKPab	02 50.00		
SNG	145.26	219 ePKP	02 45.50	-2.2X	
OBN	145.27	43 iPKPd	02 44.00	-2.5X	
	0.9s	*****nm			
E	24s	0.40um			
		i	02 52.00		
		e	03 22.00		
		e	03 37.00		
SNY	145.35	293 ePKP	02 43.60	-3.5X	
		PKPab	02 51.50		
DL2	146.48	288 ePKP	02 48.00	-1.0	
NJ2	147.11	275 PKPc	02 50.50	0.2	
TIA	149.55	282 ePKP	02 55.80	1.8	
NNT	150.25	223 ePKP	02 59.80	4.2X	
BJI	150.80	289 ePKP	02 59.50	3.8X	
CHG	155.60	231 ePKP	03 13.60	10.5X	
S.D. = 1.0 on 52 of 63 obs.					

JUN 05, 1991 17h 09m 35.36±0.83s
44.000 N ± 7.4km 7.588 E ± 4.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.1 (GEN).

IMI	0.24	112 P	09 40.63	0.2	
		S	09 44.52		
STV	0.31	322 P	09 41.96	0.1	
		S	09 46.57		
ROB	0.36	35 P	09 42.47	-0.3	
		S	09 47.19		
FIN	0.49	65 P	09 44.73	-0.7	
		S	09 51.19		
PZZ	0.61	325 P	09 48.42	0.6	
		S	09 56.72		
BHB	0.87	345 P	09 51.60	-0.6	
		S	10 03.29		
PCP	0.88	51 P	09 53.14	0.9	
CDR	1.36	257 ePd	10 00.00	-0.3	
		e	10 03.80		
S.D. = 0.7 on 8 of 8 obs.					

? JUN 05, 1991 17h 14m 30.84±0.76s
36.886 N ± 23.0km 71.677 E ± 15.3km
DEPTH = 33.0km (normal)
4.5mb (6 obs.)

AFGHANISTAN-USSR BORDER REGION (717)					
MAIO	9.82	270 eP	16 53.00	0.1	
		eS	18 29.00		
GKN	14.07	125 P	18 07.84	17.8X	
	0.5s	92.00nm			
KKN	14.63	124 P	18 15.20	17.7X	
	0.4s	77.00nm			
PKI	14.86	125 P	18 18.08	17.5X	
	0.7s	186.00nm			
GUN	14.95	123 P	18 00.00	-1.8	
HFS	43.10	322 eP	22 28.00	-1.2	
	0.4s	3.60nm		4.5mb	
NB2	44.40	323 P	22 38.70	-1.1	
	0.6s	1.80nm		4.1mb	
YKA	80.83	3 eP	26 43.90	1.6	
	0.7s	1.10nm		4.0mb	
WRA	81.74	122 P	26 48.00	0.3	
	0.6s	3.30nm		4.5mb	
WB2	81.74	122 iPc	26 48.90	1.2	
	0.4s	4.70nm		4.9mb	
ASPA	84.03	125 eP	27 00.30	0.9	
	0.8s	4.10nm		4.6mb	
S.D. = 1.5 on 8 of 11 obs.					

* JUN 05, 1991 17h 40m 47.10±0.63s
10.282 N ± 7.5km 125.150 E ± 14.2km
DEPTH = 33.0km (normal)
4.4mb (6 obs.) 3.9Msz (2 obs.)
LEYTE, PHILIPPINE ISLANDS (256)

MAP	1.15	272 iPc	41 07.00	0.1	
		iS	41 24.00		
CGP	1.87	194 iPd	41 16.00	-1.3	
		iS	41 49.00		
DAV	3.20	172 eP	41 41.00	4.7X	
BAG	7.54	324 eP	42 42.00	4.2X	
SSE	21.04	350 eP	45 30.70	0.2	
	1.0s	12.00nm		4.2mb	
Z	20s	0.30um		3.7Msz	
E	14s	0.20um			
WHN	22.53	335 eP	45 44.20	-1.2	
GYA	23.75	315 P	46 02.00	4.4X	
XAN	27.94	330 P	46 36.10	-0.4	
CD2	28.57	319 eP	46 42.00	0.5	
WB2	31.37	163 eP	47 06.30	-1.0	
	0.8s	2.80nm		4.1mb	
SNY	31.45	358 eP	47 06.00	-1.7	
LZH	32.15	326 eP	47 14.00	-0.1	
	1.5s	17.00nm		4.7mb	
Z	20s	0.39um		4.1Msz	
		pP	47 20.00	21kmX	
HHC	32.73	341 eP	47 19.10	0.0	
ASPA	34.81	166 iPc	47 37.90	0.8	
	0.6s	5.60nm		4.7mb	
GTA	36.75	326 eP	47 54.60	1.1	
	1.0s	10.00nm		4.6mb	
Z	30s	0.50um		4.1Msz	X
STK	44.78	160 iPc	49 01.20	1.6	
	0.8s	1.80nm		4.0mb	
WMO	46.54	323 eP	49 15.00	1.5	
	Z	26s	0.40um	4.3Msz	X
AIA	124.72	175 ePKP	00 03.00	18.5X	
		eS	18 00.50		
S.D. = 1.1 on 14 of 18 obs.					

? JUN 05, 1991 18h 11m 25.25±0.75s
18.149 N ± 29.6km 76.014 W ± 52.8km
DEPTH = 5.0km (geophysicist)
JAMAICA REGION (86)

YHJ	0.52	241 ePc	11 36.06	0.3	
HOJ	0.72	258 P	11 39.95	0.4	
		S	11 50.61		
STH	0.76	265 Pd	11 40.28	-0.3	
		S	11 51.92		
PCJ	1.17	250 P	11 46.71	-0.9	
SPJ	1.48	264 iPd	11 53.03	0.4	
		iS	12 13.39		
S.D. = 0.8 on 5 of 5 obs.					

% JUN 05, 1991 18h 42m 28.97±0.64s
40.594 N ± 5.3km 22.914 E ± 5.8km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 1.8 (THE).

05d 18h

THE 0.05 45 iPd 42 31.26 0.1
eS 42 32.70
SOH 0.40 56 ePd 42 37.62 0.4
GRG 0.53 313 ePc 42 40.02 0.3
eS 42 46.90
KNT 0.57 359 ePc 42 40.30 -0.2
eS 42 48.30
LIT 0.59 214 ePc 42 40.74 -0.2
eS 42 49.50
SRS 0.73 44 ePc 42 42.86 -0.5
eS 42 55.62
PAIG 0.89 138 ePd 42 46.10 0.1
eS 42 59.34

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

& JUN 05, 1991 18h 44m 14.90s
34.447 N 106.849 W
DEPTH = 4.4km
NEW MEXICO (496)
<SNM>. MD 3.0 (SNM). Felt at
Bosque and Belen.

BDNM 0.07 308 P 44 17.15 0.5
LPM 0.22 127 P 44 19.20 -0.3
LAZ 0.24 259 P 44 19.50 -0.4
BNM 0.36 149 P 44 21.70 -0.4
BMNM 0.38 243 P 44 22.30 -0.3
WTX 0.38 192 P 44 22.05 -0.5
CRNM 0.50 169 P 44 24.50 -0.5
SBM 0.55 210 P 44 25.20 -0.6
ALO 0.59 33 iPd 44 26.00 -0.7
S 44 34.20
SMNM 0.68 192 P 44 27.75 -0.8
MSU 5.90 315 (Pn) 45 54.70 9.2
ePg 46 04.40
eSg 47 22.00

11 obs. associated

* JUN 05, 1991 19h 27m 04.58 ± 1.63s
18.680 N ± 12.0km 105.959 W ± 10.8km
DEPTH = 68.0 ± 14.7 km
3.9mb (5 obs.)

OFF COAST OF JALISCO, MEXICO (54)

GUM2 3.19 51 (P) 27 54.00 0.4
MRX 4.62 76 (P) 28 14.50 1.0
ACX 6.08 106 (P) 28 34.00 0.0
III 6.17 92 (P) 28 34.00 -1.3
PPM 6.95 86 (P) 28 46.50 -0.1
IIT 7.25 86 (P) 28 50.50 0.0
IISM 8.13 86 (P) 29 02.50 0.1
OXX 8.94 99 (P) 29 13.50 -0.1
ALO 16.20 359 eP 30 50.00 0.4
1.2s 6.25nm 3.6mb
ANMO 16.21 359 P 30 50.00 0.4
0.9s 16.81nm 4.2mb
GLA 16.37 333 eP 30 52.00 0.4
TPC 17.81 332 eP 31 08.00 -1.4
PEC 18.15 329 P 31 14.50 0.9
RVR 18.34 328 eP 31 17.00 1.1
SBB 19.12 329 eP 31 25.00 -0.1
GSC 19.15 332 eP 31 24.00 -1.4
TUL 19.37 26 eP 31 26.20 -1.5
0.8s 7.10nm 4.0mb
Z 22s 0.12um 4.5mszx

CLC 19.93 331 eP 31 32.00 -1.6
MSU 20.49 346 P 31 39.00 -0.6
OLY 21.10 35 P 31 46.00 0.5
TNP 21.69 335 P 31 50.50 -1.1
1.1s 9.74nm 4.1mb
BONR 22.02 333 P 31 54.50 -0.6
DAU 22.13 349 P 31 56.50 0.3
PRS 22.22 325 ePc 31 57.30 0.7
ORV 24.77 330 ePc 32 22.90 1.6
SES 31.90 354 eP 33 25.00 -0.6
YKA 44.18 354 eP 35 15.10 6.9X
0.9s 1.00nm 3.6mb
ZOBO 50.92 131 P 36 03.00 1.1
Z 24s 0.21um 4.1mszx
LR 53 28.00
INK 52.56 347 eP 36 17.00 4.1X
SIV 56.03 125 P 36 38.00 -1.0
MBC 58.01 356 eP 36 54.50 2.3

S.D. = 1.0 on 29 of 31 obs.

& JUN 05, 1991 19h 46m 43.24s

62.395 N 151.096 W
DEPTH = 92.0km
CENTRAL ALASKA (1)
<AEIC>.

CUT 0.39 88 iPc 46 56.91 -0.6
SKT 0.46 206 iPd 46 57.35 -0.8
eS 47 08.55
HUR 0.89 48 iPc 47 01.26 -0.9
eS 47 15.41
PWA 0.94 142 iPd 47 02.21 -0.5
SUA 0.95 170 iPd 47 02.45 -0.5
eS 47 17.53
NCG 1.11 207 iPd 47 03.84 -1.0
TRF 1.12 19 iPc 47 03.94 -1.1
eS 47 20.09
CGLM 1.17 202 iPd 47 04.51 -1.0
GHO 1.20 120 ePd 47 05.33 -0.5
PLRM 1.23 130 ePd 47 05.06 -1.0
PMR 1.23 130 iP 47 05.10 -0.9
eS 47 21.90
CRP 1.24 204 iPd 47 05.58 -0.8
eS 47 23.48
BGL 1.29 209 ePd 47 06.33 -0.6
CKL 1.34 207 ePd 47 06.74 -0.8
PMS 1.37 147 ePd 47 06.82 -1.0
eS 47 25.83
SML 1.43 113 ePc 47 07.73 -0.9
RND 1.44 44 ePc 47 07.58 -1.3
eS 47 26.29
KNK 1.59 127 ePd 47 09.79 -0.9
NKA 1.66 182 eP 47 13.15 1.6
MCK 1.66 35 eP 47 10.45 -1.2
SCM 1.86 106 ePd 47 12.87 -1.4
BWN 1.93 22 eP 47 13.76 -1.3
RDT 1.93 200 ePd 47 14.07 -1.1
eS 47 38.75
SLKM 1.94 167 eP 47 13.73 -1.5
DFR 1.96 204 eP 47 14.61 -1.0
NCT 2.04 206 eP 47 15.91 -0.8
RDN 2.05 204 ePd 47 15.69 -1.2
REF 2.06 203 eP 47 15.94 -1.1
RDW 2.09 204 eP 47 16.42 -1.0
RS2 2.10 203 eP 47 16.61 -0.9
RSO 2.10 203 eP 47 16.83 -0.7
RED 2.14 203 eP 47 17.37 -0.6
TOA 2.32 95 iPc 47 19.47 -1.0
TTA 2.33 285 iP 47 18.50 -2.1
eS 47 42.60
NEA 2.37 22 ePc 47 18.95 -2.1
SEW 2.43 160 eP 47 20.93 -0.9
S 47 48.38
GLI 2.44 127 ePc 47 20.20 -1.8
WRH 2.48 32 ePc 47 20.58 -2.0
SVW 2.51 241 eP 47 21.40 -1.6
VZW 2.54 120 ePc 47 21.60 -1.8
SDG 2.58 85 eP 47 22.58 -1.4
VLZ 2.60 117 eP 47 21.45 -2.6
KLU 2.61 108 ePc 47 22.08 -2.3
KNIM 2.61 140 ePd 47 21.24 -3.1
PAX 2.66 75 ePc 47 23.74 -1.3
TZL 2.68 95 eP 47 23.11 -2.1
CCB 2.70 32 eP 47 23.31 -2.2
HDA 2.75 41 ePc 47 24.40 -1.8
RDS 2.77 27 eP 47 24.60 -1.9
MDM 2.87 25 iPc 47 26.08 -1.8
CNPM 2.88 181 eP 47 26.99 -1.0
FBA 2.91 29 eP 47 26.88 -1.6
PDB 3.02 211 eP 47 28.60 -1.2
GLM 3.08 31 eP 47 28.87 -1.9
GLB 3.58 102 eP 47 35.19 -2.4
IMA 3.86 344 iP 47 39.30 -2.2
eS 48 22.10
TGL 4.28 109 eP 47 44.66 -2.7
BALM 4.38 104 eP 47 45.77 -3.0

58 obs. associated

? JUN 05, 1991 20h 05m 22.54 ± 1.76s
19.755 S ± 16.4km 170.981 E ± 21.8km
DEPTH = 33.0km (normal)
4.3mb (4 obs.)

VANUATU ISLANDS (186)
BKM 3.32 308 iP 06 13.50 0.0
iS 06 37.00
DZM 4.83 241 iPc 06 35.30 0.4
iS 07 25.70

STK 28.98 239 iPc 11 25.10 3.7X
0.5s 1.50nm 3.9mb
WB2 34.41 263 eP 12 02.60 -6.5X
0.9s 1.30nm 3.9mb
ASPA 34.61 257 eP 12 10.10 -0.7
0.6s 10.10nm 4.9mb
MAT 63.98 331 eP 15 55.00 0.0
1.0s 6.00nm 4.6mb
YAK 87.84 342 eP 18 09.60 0.2
KHC 145.54 334 ePKP 25 05.50 6.6X
VAY 145.62 316 ePKP 25 04.00 4.8X
SKO 146.03 317 ePKP 25 06.70 6.8X
GRF 146.04 336 ePKP 25 07.30 7.6X
e 25 14.10

S.D. = 0.6 on 5 of 11 obs.

* JUN 05, 1991 20h 37m 15.37 ± 1.08s
37.040 N ± 11.6km 29.243 E ± 7.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 3.5 (ISK).

ELL 0.61 118 iPg 37 27.30 -0.4
eSg 37 37.30
YER 0.77 277 iPn 37 30.70 0.2
CIN 1.08 302 ePg 37 32.00 -3.6X
iSg 37 45.00
BCK 1.15 68 iPn 37 37.70 0.7
KHL 1.30 10 ePn 37 39.00 -0.5

S.D. = 1.0 on 4 of 5 obs.

JUN 05, 1991 20h 47m 41.86 ± 0.47s
18.918 S ± 7.1km 169.389 E ± 10.1km
DEPTH = 14.9km (2 depth phases)
4.8mb (7 obs.) 4.5msz (3 obs.)
VANUATU ISLANDS (186)

BKM 1.65 319 iP 48 11.60 1.2
DZM 4.18 221 iPd 48 46.10 -0.4
iS 49 35.10
RMO 20.46 245 iPc 52 23.40 1.8
i 53 09.30
PMG 23.51 291 eP 52 53.00 0.8
CNB 24.10 223 eP 52 59.00 1.1
BWA 24.21 226 eP 52 57.60 -1.3
CAN 24.34 224 eP 52 59.90 -0.3
CMS 24.66 235 eP 53 04.00 0.8
STK 28.14 237 iPc 53 35.70 0.2
0.7s 5.60nm 4.4mb
ePcP 56 45.70
eS 58 43.00
WB2 33.02 262 iPd 54 17.40 -1.4
0.6s 4.40nm 4.6mb
i 57 01.30
ASPA 33.35 256 iPd 54 20.10 -1.6
0.6s 27.20nm 5.4mb
Z 22s 0.80um 4.4mszx
e 59 26.40
e 00 08.20
WARB 40.00 252 eP 55 18.00 0.1
MBL 46.46 258 eP 56 10.00 -0.3
MAT 62.54 332 eP 58 05.00 -2.3
0.9s 10.92nm 5.0mb
WHN 72.24 312 eP 59 08.80 0.3
DL2 72.85 323 eP 59 11.50 -0.4
MDJ 72.91 331 eP 59 12.50 0.3
TIA 73.80 318 eP 59 16.70 -0.9
CN2 74.26 329 eP 59 19.80 -0.2
BJI 76.78 321 eP 59 34.50 0.0
TIY 77.70 317 eP 59 39.00 -0.7
XAN 78.00 312 Pc 59 41.40 -0.1
CHG 78.65 294 eP 59 46.00 0.7
MAW 78.78 202 eP 59 45.00 -0.1
HHC 80.07 319 eP 59 53.00 0.3
CD2 80.15 307 P 59 53.10 -0.2
LZH 82.62 312 eP 00 06.50 0.3
2.0s 25.00nm 5.0mb
pP 00 10.00 11km
YAK 86.59 342 iPd 00 24.80 -0.5
GTA 87.01 313 eP 00 28.20 0.1
1.2s 10.00nm 4.9mb
pP 00 34.20 19km
YKA 100.32 27 ePd iff 01 31.40 2.6X
1.0s 0.90nm 4.3mb
MOX 143.75 336 ePKP 07 14.00 -3.9X
1.3s 8.10nm
VAY 143.97 316 ePKP 07 14.30 -4.2X

PAG 1.18 304 eP 38 32.00 -0.4
S.D. = 0.6 on 6 of 6 obs.

% JUN 05, 1991 23h 48m 27.71 ± 0.73s
39.103 N ± 6.0km 29.501 E ± 7.6km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.9 (ISK).

ALT 0.48 96 iPg 48 36.90 -0.5

KHL 0.78 179 iPg 48 43.20 0.3

DST 0.84 307 ePn 48 43.50 -0.5

IZI 1.23 359 iPn 48 50.00 -0.7

YLV 1.47 356 iPn 48 53.90 -0.3

EYL 1.55 19 iPn 48 55.90 0.5

HRT 1.72 4 iPn 48 58.90 1.0

ISK 1.99 350 ePn 49 02.00 0.3

S.D. = 0.7 on 8 of 8 obs.

% JUN 06, 1991 00h 08m 44.37 ± 0.80s
31.985 S ± 6.9km 117.269 E ± 9.3km
DEPTH = 10.0km (geophysicist)

WESTERN AUSTRALIA (590)

KLB 0.57 47 eP 08 55.50 -0.5

MUN 0.90 270 eP 09 01.00 -0.6

NWAO 0.94 182 eP 09 02.50 0.2

BAL 1.46 341 eP 09 11.50 0.8

RKG 2.59 185 eP 09 27.00 0.0

S.D. = 0.8 on 5 of 5 obs.

% JUN 06, 1991 00h 27m 16.65 ± 1.34s
42.504 N ± 6.4km 13.646 E ± 12.0km
DEPTH = 10.0km (geophysicist)

CENTRAL ITALY (381)

AQU 0.23 230 Pc 27 21.60 -0.1

MNS 0.73 261 P 27 24.60 -0.2

SDI 0.81 171 P 27 32.10 -0.2

ASS 0.92 308 P 27 33.80 -0.5

RMP 0.99 226 P 27 36.00 0.6

ARV 1.12 333 P 27 38.10 0.4

S.D. = 0.6 on 6 of 6 obs.

JUN 06, 1991 00h 27m 45.04 ± 0.35s
44.736 N ± 2.4km 6.899 E ± 4.4km
DEPTH = 10.0km (geophysicist)

FRANCE (538)

ML 2.4 (GEN).

RRL 0.20 336 P 27 49.39 -0.2

PZZ 0.27 148 P 27 50.42 -0.4

BHB 0.28 68 P 27 51.48 0.5

DOI 0.34 133 P 27 52.00 -0.1

BNI 0.35 333 P 27 52.10 -0.3

RSP 0.49 31 P 27 55.34 0.4

STV 0.58 148 P 27 56.26 -0.6

LSD 0.74 14 P 27 59.64 -0.2

LPG 0.77 352 Pg 28 00.20 0.0

LPL 0.79 351 Pg 28 00.50 -0.1

ROB 0.82 122 P 28 00.92 -0.1

SBF 0.95 156 Pg 28 03.20 -0.1

S.D. = 0.6 on 6 of 6 obs.

JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

MMN 0.79 166 P 24 10.50 -0.9

ORI 0.80 137 P 24 11.20 -0.5

BAI 0.97 61 P 24 14.00 -0.5

CSI 0.97 154 P 24 14.60 0.0

TDS 1.09 155 P 24 18.40 1.7

BRT 1.13 78 P 24 16.00 -1.3

CZI 1.47 168 P 24 22.40 -0.2

LCI 1.71 100 P 24 28.50 2.3

SDI 1.80 306 P 24 27.50 0.1

SOI 2.59 175 P 24 38.50 -0.3

S.D. = 1.0 on 27 of 31 obs.

% JUN 06, 1991 01h 23m 56.14 ± 0.75s

40.655 N ± 6.4km 15.745 E ± 5.9km

DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.35 254 Pc 24 03.70 0.4

MGR 0.54 196 Pc 24 06.20 -0.8

06d 02h																						
QIZ	25.51	13	eP	34	12.50	0.2	ADE	43.14	137	iPd	36	44.90	0.8	N	15s	0.90um	38	11.00	32kmX			
	N	17s	7.60um	sP	34	31.50		0.6s	93.33nm	P	36	47.60	1.0		E	15s		1.00um	38	05.40	-2.4	
					38	37.00		43.43	113		36	48.00	0.7					38	10.20	2.0		
PGP	25.70	41	eP	34	16.20	2.2	CTA	43.43	113	P	36	47.60	1.0	KAKJ	53.99	36	eP	38	05.40	-2.4		
MAP	25.71	51	eP	34	18.00	3.8X	QLP	43.53	123	eP	36	48.00	0.7	NIIJ	54.03	35	eP	38	10.20	2.0		
KNA	26.24	114	eP	34	17.60	-1.5	STK	43.62	131	iPc	36	48.10	0.2	MDJ	55.39	22	Pc	38	17.50	-0.5		
BAG	27.68	36	eP	34	32.00	-0.4		0.7s	28.50nm	e	36	54.90	23kmX	Z	1.2s	60.00nm	5.5mb	4.9Msz				
			e	39	40.00				43		15.10											
WARB	29.58	135	eP	34	48.00	-1.3	TIA	43.75	16	eP	36	48.70	-0.2		E	18s			1.70um			
HKC	29.84	19	eP	34	52.00	0.5	1.0s	10.00nm	eS	43	14.00		IRK	58.01	0	ePc	38	35.30	-1.2			
			eS	39	44.00		Z	20s		2.60um	37	08.00					e	38	52.30	65kmX		
GZH	30.31	17	eP	34	57.00	1.4	N	18s	2.70um	36	52.00	-0.4		MAIO	59.13	319	iPc	38	43.20	-1.5		
	Z	22s	2.60um	sP	39	50.00	TIY	44.17	10	iPc	36	52.00	-0.4	IR4	64.50	314	iPc	39	20.50	-0.3		
	N	15s	1.00um		35	08.30		5.0s	500.00nm	eS	43	14.00			IR5	64.72	313	iPc	39	22.00	-0.2	
KOD	30.87	301	eP	35	08.30	7.3X		N	18s	3.60um	37	09.00		IR1	64.73	314	iPc	39	22.50	0.2		
KMI	30.92	358	eP	35	02.00	0.7	GTA	45.31	356	Pc	37	01.40	-0.1	IR7	64.93	314	eP	39	23.50	-0.1		
	Z	20s	7.70um	sP	35	12.00		1.0s	20.00nm	sP	37	01.40	-0.1	BISH	65.55	295	iP	39	28.00	0.3		
					35	19.00		Z	20s	5.30um	37	01.40	-0.1	MAW	67.49	196	eP	39	39.00	-0.2		
				sP	35	19.00	BTO	E	18s	2.70um	37	17.00	61km	THZ	70.41	132	P	39	57.60	-0.1		
GYA	32.34	5	iPc	35	14.00	0.4				pP	37	17.00	61km	YAK	70.65	13	iPc+	39	57.00	-1.7		
	Z	18s	1.50um	S	40	25.00		46.67	6	Pc	37	12.00	-0.3	MTD	71.41	254	iPd	40	16.80	12.6X		
	N	15s	1.70um		40	50.00	N	18s	5.30um	37	12.00	-0.3	72.91		245	eP	40	27.00	13.8X			
	E	15s	3.40um	pP	35	24.00	46.69	128	eP	37	13.00	0.6	BFT		72.91	245	eP	40	27.00	13.8X		
WB2	32.67	118	iPd	35	15.50	-1.0			sP	37	28.00		KRI	73.29	254	eP	40	27.70	12.3X			
	0.6s	59.90nm		S	40	25.00	BFD	46.94	137	e(P)	37	13.00		-1.4	73.29	254	eP	40	27.70	12.3X		
	ASPA	33.79	125	iPc	35	25.40		-0.8		i	37	35.50		94kmX	HBZ	74.02	127	eP	40	19.80	0.7	
CD2	0.9s	24.20nm		eS	40	45.50		HHC	47.11	8	Pc	37	15.50	-0.2	PUZ	74.02	128	P	40	18.30	-0.9	
				iScP	42	03.80	5.0s		400.00nm	e	37	16.00	10kmX	BUL	74.19	251	iPc	40	33.00	12.4X		
				P	35	49.80	Z		18s	4.80um	37	16.00	10kmX	HOL	74.74	302	eP	40	24.00	0.6		
LSA	37.52	342	Pd	35	58.00	-0.2	N	19s	3.40um	39	11.00		MBH	75.02	303	iPc	40	25.00	-0.2			
	37.53	116	iPc	35	57.00	-0.9	E	14s	0.80um	37	16.00	0.1	PRNI	75.08	303	iPc	40	25.60	0.2			
				i	37	35.00	564kmX	BJI	47.15	13	eP	37	16.00	0.1	SEK	75.13	242	iPc	40	38.20	12.2X	
WHN	37.65	15	Pd	36	00.50	1.8				PP	39	11.00		0.5s	10.56nm	BHL	75.58	307	P	40	26.00	-2.3
	Z	24s	2.00um	sP	36	16.00	1.0s		27.00nm	PP	39	02.50		75.67	306		iPc	40	29.30	0.6		
	E	14s	1.60um		35	59.76	Z	22s	2.46um	37	16.00	0.1	75.75	245	eP		40	42.00	12.5X			
PKI	37.83	333	Pc	35	59.76	-1.0	RMO	47.32	121	eP	37	18.00	0.4	1.0s	18.00nm	CSS	77.72	308	eP	40	40.00	-0.1
GUN	37.91	334	Pc	36	01.08	-0.3		DL2	47.57	19	P	37	18.00	-1.2	HLW	78.01	302	eP	40	56.00	14.2X	
KKN	38.08	333	Pc	36	01.98	-0.7		1.2s	70.00nm	e	37	30.00	43km	KAS	79.26	314	eP	40	49.00	0.5		
POO	0.8s	207.00nm		6.1mb	BWA	49.87	131	eP	37	39.70	2.5	EYL	81.66	312	eP	41	00.80	-0.4				
							i	38	51.00	43km			OBN	82.18	328	iPc+	41	04.00	0.6			
								1.2s	70.00nm	PP	39	02.50		1.8s	180.00nm	5.8mb	Z	20s	0.60um	5.0Msz		
GKN	38.56	332	Pc	36	06.10	-0.5	E	15s	2.20um	37	18.00	-1.2	5.5mb	E	20s	0.70um		i	41	19.00	52km	
XAN	40.07	6	iPc	36	17.80	-1.1			pP	37	34.00	62km	5.0Msz						iPP	44	27.00	
SSE	40.38	23	eP	36	21.00	-0.4	BWA	49.87	131	eP	37	39.70	2.5				e		44	28.00		
	SSE	40.38	23	P+	36	22.00	0.6X	CAN	50.68	132	eP	37	44.20	0.9			eS	51	12.00			
	1.2s	41.00nm		5.1mb	SNY	50.84	19	iPc	37	43.00	-1.3			eScS	51	26.00						
Z	20s	3.80um	5.2Msz			WMO	51.68	345	iPc	37	50.50	-0.3	YLV	82.24	312	eP	41	03.80	-0.4			
N	14s	0.60um					N	13s	0.90um	37	57.00	52km	IZM	83.30	310	eP	41	10.30	0.6			
E	15s	1.10um	sP	36	40.00		73kmX	TSRJ	51.12	34	P	37	46.20	-0.3	CFR	84.26	316	eP	41	14.00	-0.3	
NJ2	40.40	20	Pc	36	22.00	0.5	KSH	52.05	333	iPc	37	52.00	-1.7	JMB	84.72	314	iPc	41	17.00	0.3		
	Z	4.0s	600.00nm	S	42	30.00		51.68	345	iPc	37	50.50	-0.3	KDZ	85.39	313	iP	41	20.00	-0.1		
	N	17s	1.60um		36	47.50		53.19	36	P	38	00.80	-1.3	VR1	85.40	317	ePc	41	21.00	1.0		
LZH	41.83	360	iPc	36	33.60	0.2	E	16s	2.50um	38	03.00	45km	BUC1	85.53	315	iPc	41	25.00	4.3X			
	Z	2.0s	110.00nm	S	42	30.00	pP	38	06.00	52km	PVL	85.78	314	eP	41	23.00	1.1					
	N	14s	2.11um		36	47.50	53km	PcP	39	03.20		MLR	85.85	316	eP	41	24.00	1.6				
PMG	42.97	97	eP	36	42.00	-0.9	MTMJ	52.89	34	P	37	58.00	-1.4	PTT	85.87	318	eP	41	23.50	1.2		
							CHJJ	53.19	36	P	38	00.80	-1.3	RZN	85.92	312	iPc	41	23.00	0.1		
							CN2	53.22	19	iPc	38	01.20	-1.0	PGB	86.49	313	eP	41	36.00	10.5X		
							1.0s	150.00nm	S	45	14.00		KKB	87.15	312	eP	41	29.00	0.3			
							Z	18s	5.50um	45	30.00		VTs	87.19	313	iP	41	28.00	-1.1			
													VAY	87.43	312	iP	41	29.70	-0.3			
															i	41	45.40	55km				
													BMR	87.95	318	ePd	41	35.00	2.7			
													SKO	88.37	312	eP	41	33.80	-0.8			
															e	41	49.50	54km				
													OHR	88.71	311	eP	41	35.50	-0.8			
															i	41	50.50	51km				
													LSK	88.71	310	eP	41	47.20	10.9X			
													PHP	89.07	312	eP	41	36.80	-1.0			

[illegible]

06d 06h

ATN 2.48 187 P 35 19.60 0.3
 HVAR 2.59 10 i(Pn) 35 26.80 6.1X
 S.D. = 1.1 on 13 of 15 obs.

? JUN 06, 1991 06h 56m 36.23±5.70s
 34.609 S ±43.4km 72.555 W ±29.4km
 DEPTH = 30.8 ± 7.7 km

NEAR COAST OF CENTRAL CHILE (135)

TACH 1.65 55 iPd 57 03.00 -0.4
 iS 57 16.00
 IHA 1.75 26 iP 57 03.80 -1.1
 iS 57 21.20
 SAN 1.95 54 iPc 57 08.00 0.2
 iS 57 25.80
 PCH 1.96 60 iPd 57 08.50 0.4
 iS 57 27.20
 PEL 2.13 47 iPd 57 10.00 -0.5
 iS 57 31.00
 JACH 2.52 41 iPd 57 16.00 -0.1
 iS 57 40.10
 RTBS 3.93 42 e(P) 57 42.00 6.2X
 ZON 4.46 48 eP 57 51.50 7.9X
 RTLL 4.74 48 ePc 57 48.00 0.5
 S 58 44.70
 RTRS 5.14 31 ePd 57 53.40 0.3
 S 58 51.20
 CCH 18.09 20 P 00 50.00 2.8X
 CNCB 18.19 14 eP 00 50.00 1.2
 i 00 53.20
 LPB 18.44 14 P 00 47.00 -4.7X
 ZOBO 18.69 13 P 00 55.00 0.1
 SIV 21.21 32 P 01 20.80 -1.0
 S.D. = 0.8 on 11 of 15 obs.

JUN 06, 1991 07h 36m 46.41±1.41s
 19.031 S ± 7.3km 169.358 E ±11.1km
 DEPTH = 78.4 ± 10.0 km
 4.9mb (6 obs.)

VANUATU ISLANDS (186)

PVC 1.62 322 iPc 37 13.20 -0.5
 BKM 1.72 322 iP 37 15.50 0.5
 DZM 4.07 222 iPd 37 41.80 -5.9X
 iS 38 30.00
 RMO 20.38 245 eP 41 20.00 0.8
 PMG 23.53 291 eP 41 51.00 0.6
 CNB 24.00 223 eP 41 55.00 0.1
 BWA 24.11 226 eP 41 55.40 -0.6
 CAN 24.24 224 eP 41 58.50 1.3
 CMS 24.57 235 eP 42 01.00 0.6
 STK 28.06 237 eP 42 32.40 0.0
 1.4s 1.40nm 3.4mb X
 WB2 32.98 263 eP 43 14.60 -1.4
 0.6s 3.60nm 4.4mb
 ASPA 33.29 256 eP 43 17.20 -1.5
 0.7s 33.40nm 5.3mb
 ePcP 46 05.30
 eS 48 28.60
 WARB 39.93 252 eP 44 14.50 -0.2
 MBL 46.41 259 iPd 45 07.20 0.1
 NANU 50.23 256 eP 45 36.40 -0.3
 SBA 58.87 181 iPc 46 37.90 -0.9
 WHN 72.29 312 eP 48 05.50 0.0
 DL2 72.92 323 eP 48 09.00 0.0
 1.0s 40.00nm 5.3mb
 MDJ 72.99 331 eP 48 09.50 0.2
 TIA 73.86 318 eP 48 13.40 -1.2
 CN2 74.34 329 eP 48 17.30 0.2
 GYA 75.79 305 P 48 26.40 0.4
 BJI 76.85 321 eP 48 31.50 0.1
 XAN 78.05 312 P 48 38.50 0.2
 MAW 78.67 202 iP 48 41.80 0.8
 0.9s 12.00nm 4.8mb
 CHG 78.67 294 eP 48 43.50 1.6
 LZH 82.67 312 eP 49 02.50 -0.5
 2.0s 36.00nm 5.0mb
 pP 49 10.00 24kmX
 YAK 86.69 342 iPc 49 22.60 0.4
 PNT 92.51 38 eP 49 50.00 0.1
 YKA 100.43 27 ePd 50 24.90 -0.7
 0.9s 0.90nm 4.4mb
 MOX 143.84 336 ePKP 56 11.30 -2.7X
 1.4s 21.00nm
 VAY 144.03 315 iPKP 56 11.60 -3.0X
 KHC 144.20 333 iPKPc 56 12.70 -2.1X

SKO 1.1s 6.00nm
 144.46 317 ePKP 56 13.50 -1.9
 i 56 14.20
 i 56 17.30
 i 56 21.00
 OHR 145.30 316 ePKP 56 16.50 -0.4
 1.0s 75.00nm
 PTJ 145.36 327 iPKPc 56 17.00 0.1
 ZAG 145.40 326 iPKP 56 16.00 -0.8
 ENN 145.71 341 ePKP 56 17.00 -0.2
 LJU 145.99 328 ePKP 56 17.00 -0.8
 VBY 145.99 327 ePKP 56 18.50 0.7
 CEY 146.25 328 ePKP 56 18.50 0.2
 VOY 146.31 329 ePKP 56 18.20 -0.3
 CDF 147.29 338 ePKP 56 21.50 1.5
 1.1s 19.55nm
 HAU 147.97 338 ePKP 56 23.10 2.1
 ROI 148.86 317 PKP 56 26.30 3.6X
 FLN 149.22 347 ePKP 56 26.10 3.2X
 1.0s 14.00nm
 LDF 149.30 346 ePKP 56 26.10 3.1X
 CZI 149.34 317 PKP 56 26.80 3.5X
 LOR 149.44 340 ePKP 56 26.70 3.4X
 0.8s 8.05nm
 GRR 149.66 347 ePKP 56 27.30 3.8X
 1.1s 19.55nm
 SSF 149.73 341 ePKP 56 27.50 3.8X
 0.9s 11.45nm
 LPL 149.91 335 ePKP 56 28.60 4.3X
 LPG 149.92 335 ePKP 56 28.70 4.3X
 1.2s 34.20nm
 SMF 149.99 340 ePKP 56 28.00 3.9X
 AVF 150.02 341 ePKP 56 28.30 4.2X
 1.1s 9.75nm
 LPF 150.04 347 ePKP 56 28.30 4.2X
 0.9s 16.40nm
 MAF 150.78 341 ePKP 56 29.70 4.4X
 TCF 150.82 342 ePKP 56 30.00 4.6X
 1.1s 14.65nm
 SBF 150.96 332 ePKP 56 31.00 5.2X
 1.2s 35.70nm
 PGF 151.26 329 ePKP 56 31.40 5.1X
 0.7s 8.80nm
 LRG 151.76 333 ePKP 56 32.40 5.6X
 S.D. = 0.9 on 40 of 61 obs.

* JUN 06, 1991 07h 46m 40.53±1.18s
 22.578 S ±12.4km 65.726 W ± 9.7km
 DEPTH = 33.0km (normal)

JUJUY PROVINCE, ARGENTINA (128)

ANT 4.46 255 iPd 47 47.50 -0.1
 eS 48 35.00
 CNCB 6.12 339 P 48 12.00 0.4
 LPB 6.42 339 P 48 17.00 1.4
 ZOBO 6.67 340 P 48 17.80 -1.5
 e 49 22.00
 SIV 7.89 35 P 48 35.60 -0.3
 PPD 13.35 90 eP 49 50.50 0.2
 S.D. = 1.2 on 6 of 6 obs.

JUN 06, 1991 07h 47m 21.35±0.66s
 39.398 N ± 5.7km 138.863 E ± 9.0km
 DEPTH = 23.2 ± 5.3 km
 4.6mb (16 obs.)

EASTERN SEA OF JAPAN (223)

YAMJ 1.53 143 P 47 47.10 -0.3
 eS 48 09.30
 AOMJ 1.64 45 P 47 49.20 0.2
 eS 48 11.10
 NIIJ 2.16 177 P 47 54.80 -1.7
 S 48 22.30
 OFUJ 2.20 97 eP 47 58.10 0.9
 eS 48 27.90
 MTMJ 2.93 197 P 48 07.50 -0.1
 S 48 52.70
 CHJJ 3.35 178 P 48 13.70 0.3
 KAKJ 3.35 162 eP 48 13.50 0.1
 IIDJ 3.98 191 eP 48 26.90 4.4X
 TSRJ 4.48 212 P 48 30.50 0.9
 SVW 44.88 39 P 55 36.00 0.5
 0.7s 9.30nm 4.8mb
 IMA 45.71 32 P 55 41.90 -0.1
 0.7s 3.27nm 4.4mb
 PMR 47.96 38 P 56 01.70 2.0
 0.6s 6.77nm 4.9mb

FBA 48.20 33 P 56 01.30 -0.2
 0.7s 9.01nm 4.9mb
 INK 53.22 28 eP 56 38.00 -1.5
 WB2 59.18 185 iPc 57 21.60 -1.1
 0.6s 3.60nm 4.7mb
 YKA 62.77 30 eP 57 45.50 -1.2
 0.8s 1.00nm 4.0mb
 ASPA 62.91 185 eP 57 49.20 1.3
 1.2s 4.60nm 4.5mb
 NEW 69.82 44 eP 58 30.10 -1.8
 0.9s 1.10nm 4.0mb
 pP 58 42.60 43kmX
 NB2 71.22 336 P 58 39.00 -1.1
 0.9s 3.70nm 4.5mb
 FFC 72.79 32 eP 58 48.00 -1.5
 0.8s 6.00nm 4.7mb
 TNP 76.04 52 e(P) 59 09.90 1.1
 0.7s 0.78nm 3.9mb
 BW06 77.41 45 e(P) 59 16.60 0.2
 1.0s 2.25nm 4.2mb
 CDF 82.60 330 eP 59 43.80 0.0
 HAU 83.30 330 eP 59 46.90 -0.4
 ANMO 84.57 49 e(P) 59 54.20 0.0
 1.0s 2.25nm 4.4mb
 LOR 84.85 331 eP 59 55.10 -0.1
 LPL 85.18 328 eP 59 57.40 0.3
 LPG 85.19 328 eP 59 57.30 0.0
 1.0s 10.00nm 5.0mb
 SMF 85.38 331 eP 59 58.20 0.4
 AVF 85.44 331 eP 59 58.40 0.3
 0.9s 13.10nm 5.2mb
 LPF 85.94 334 eP 00 00.80 0.2
 MAF 86.21 331 eP 00 02.60 0.6
 LSF 86.57 332 eP 00 04.20 0.4
 1.0s 16.00nm 5.2mb
 MFF 86.87 333 eP 00 06.00 0.8
 ZOBO 147.05 53 PKP 07 03.00 0.3
 SIV 150.89 42 PKP 07 14.00 6.0X
 S.D. = 0.9 on 34 of 36 obs.

? JUN 06, 1991 07h 53m 31.44±6.71s
 17.562 N ±39.4km 60.128 W ±41.7km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)
 ML 3.6 (FDF).

DEG 1.53 216 eP 53 56.20 -0.6
 S 54 09.90
 BPA 1.73 253 eP 53 59.81 0.1
 S 54 18.00
 SEG 1.75 229 eP 53 59.90 0.0
 MGG 1.99 215 eP 54 03.20 -0.3
 PAG 2.13 225 eP 54 06.30 0.8
 S 54 31.30
 NEV 2.37 260 eP 54 08.70 -0.2
 BBL 2.41 213 eP 54 09.20 -0.2
 FDF 2.98 199 eP 54 17.11 -0.4
 0.1s 0.50nm
 S 54 49.40
 MVM 3.08 194 eP 54 18.63 -0.3
 S 54 53.60
 BIM 3.16 197 eP 54 21.02 1.0
 S 54 54.70
 S.D. = 0.6 on 10 of 10 obs.

JUN 06, 1991 08h 02m 07.59±0.16s
 42.705 N ± 3.8km 87.221 E ± 2.7km
 DEPTH = 32.1km (15 depth phases)
 5.1mb (53 obs.) 4.4MsZ (7 obs.)
 NORTHERN XINJIANG, CHINA (332)

WMO 1.17 17 iPg 02 29.00 1.2
 Sg 02 41.50
 GTA 10.06 105 eP 04 32.00 -1.1
 Z 10s 2.10um
 N 10s 5.20um
 pP 04 37.40
 sP 04 42.40
 S 06 27.00
 SS 06 44.00
 LSA 13.36 165 eP 05 19.00 1.1
 pP 05 25.00
 LZH 14.44 112 eP 05 31.50 -0.3
 2.0s 89.00nm 5.0mb
 Z 10s 1.34um
 N 13s 3.35um
 E 12s 2.60um

			pP	05	37.50		NNT	31.91	156	eP	08	26.00	-6.3X	SQTA	51.98	303	iPc	11	15.60	-0.2	
			eS	08	18.00		OBN	34.74	309	eP	08	56.00	-0.5		0.9s	35.90nm		11	25.90	5.4mb	
GUN	14.80	185	P	05	34.34	-2.4		1.4s	*****nm				8.5mb X				i	11	25.90		
KKN	14.97	187	P	05	37.86	-0.8								MGR	52.29	293	P	11	17.80	-0.3	
PKI	15.17	186	P	05	38.94	-2.6	Z	16s	1.70um				4.9MsZx		52.63	310	eP	11	21.50	1.1	
BTO	17.16	89	eP	06	04.50	-2.1	E	12s	1.30um					WTS	0.8s		9.00nm			4.8mb	
	E	11s		0.80um					e		08	57.30									
CD2	17.68	126	P	06	19.40	6.4X			i		09	06.00		ASS	52.87	298	P	11	22.50	0.1	
	Z	13s		1.50um					i		09	30.00		SFI	53.01	299	P	11	23.90	0.6	
HHC	18.24	88	P	06	21.60	1.7			iPP		10	08.00		PGD	53.12	299	P	11	25.30	0.9	
	Z	13s		1.50um					i		10	09.00		ATN	53.30	291	P	11	24.70	-0.8	
	N	11s		0.80um					e		10	17.00		MME	53.63	300	P	11	29.10	0.9	
	E	11s		0.70um					eS		14	22.00		ENN	53.64	309	eP	11	28.00	0.1	
			S	09	43.00				eSSS		17	40.00			1.0s		25.00nm			5.2mb	
XAN	19.05	110	eP	06	27.70	-2.1	KAS	39.17	287	iPd	09	35.80	1.7	CDF	53.87	306	eP	11	29.30	-0.4	
			sS	09	56.00		IPM	39.90	158	ePc	09	44.00	3.8X		0.8s		16.10nm			5.1mb	
			S	10	02.00		KAF	40.10	320	iP	09	41.90	0.5	VAI	54.09	302	P	11	29.80	-1.4	
TIIY	19.86	96	Pc	06	38.00	-0.9		0.4s	13.80nm				5.1mb	BSF	54.41	305	eP	11	33.30	-0.5	
	1.1s		30.00nm			4.5mb	SOD	40.26	329	eP	09	42.00	-0.6		0.8s		10.75nm			4.9mb	
	Z	11s	1.20um			4.1MsZ	KEV	40.45	332	iP	09	44.80	0.6	HAU	54.60	306	eP	11	34.80	-0.3	
	N	11s	1.40um					0.7s	18.70nm				4.9mb		0.9s		11.45nm			4.9mb	
			S	10	18.00		NUR	40.95	318	iP	09	48.80	0.4	ORX	54.69	302	P	11	35.76	-0.1	
			sS	10	29.00			1.0s	46.00nm				5.2mb	DOU	54.70	308	P	11	38.00	2.3	
KMI	21.70	139	Pc	06	58.00	0.1	HRI	41.10	274	iPd	09	51.80	1.7	FIN	55.21	301	P	11	39.96	0.4	
	1.1s		80.00nm			5.1mb	JVI	42.04	273	iPd	09	59.60	1.8	LSD	55.28	302	P	11	39.76	-0.6	
	Z	20s	1.60um			4.4MsZ	VRI	42.52	296	ePc	10	02.00	0.6	RSP	55.36	302	P	11	39.35	-1.4	
			eS	10	56.00		CVO	42.90	296	eP	10	05.00	0.4	ROB	55.38	301	P	11	39.96	-0.9	
BJI	21.85	87	eP	07	00.00	1.0	MLR	43.16	296	eP	10	08.00	1.2	PCF	55.50	299	eP	11	41.70	0.0	
	Z	12s	0.90um			4.4MsZx	MBH	43.50	270	iPd	10	11.30	1.6		0.9s		19.65nm			5.1mb	
	N	13s	1.46um				HQL	43.64	270	P	10	12.30	1.6	BHB	55.50	302	P	11	39.86	-1.8	
	E	13s	1.23um				BISH	43.68	253	P	10	12.30	1.0	LPG	55.51	303	iPd	11	42.40	0.3	
MAIO	22.27	263	iPc	07	04.00	0.6	ELL	43.76	282	iP	10	11.80	0.0	LPL	55.52	303	iPd	11	42.30	0.3	
	1.1s		88.34nm			5.1mb	CMP	43.83	296	ePc	10	15.00	2.8	IMI	55.55	301	P	11	41.70	-0.4	
			eS	11	04.00		MFT	43.94	289	eP	10	12.00	-1.1	STV	55.75	301	P	11	41.40	-2.1	
GYA	22.69	129	P	07	08.60	0.9	TNR	44.21	296	ePd	10	16.00	0.8	PZZ	55.77	301	P	11	42.11	-1.6	
	Z	18s	0.90um			4.2MsZ	UPP	44.51	318	iP	10	17.20	-0.2	RRL	55.77	302	P	11	43.14	-0.7	
	N	14s	1.20um				KRA	45.56	304	ePd	10	26.20	0.3	BNI	55.77	302	Pd	11	43.40	-0.3	
	E	14s	1.10um					1.2s	58.00nm				5.4mb	SBF	55.86	301	iPd	11	44.20	-0.1	
			pP	07	18.20	35km			e		10	35.10			0.8s		40.30nm			5.5mb	
			sP	07	21.80		SPC	45.64	302	eP	10	27.10	0.3	LOR	56.44	306	eP	11	47.20	-1.1	
			PP	07	39.00		PSZ	46.28	301	eP	10	32.00	0.3		0.9s		15.55nm			5.0mb	
			S	11	12.00		SRS	46.37	291	ePc	10	31.24	-1.2	Z	18s		0.22um			4.3MsZ	
			sS	11	30.00		HFS	46.40	318	eP	10	31.60	-0.8	LBF	56.50	305	eP	11	47.80	-1.0	
TIA	23.90	96	Pd	07	20.70	1.5		0.8s	23.60nm				5.2mb	EKA	56.51	317	Pd	11	48.20	-0.5	
	N	11s	0.60um				Z	17s	0.51um				4.5MsZx		0.8s		17.00nm			5.1mb	
WHN	24.81	110	eP	07	30.20	2.1	PAIG	46.80	289	ePc	10	36.30	0.5	FRF	56.51	301	eP	11	48.30	-0.6	
	1.0s		30.00nm			4.8mb	KNT	46.82	291	ePc	10	36.68	0.6	LMR	56.71	301	eP	11	49.70	-0.6	
	N	10s	0.90um				VAY	46.98	291	eP	10	37.50	0.2	LRG	56.74	301	eP	11	50.10	-0.4	
	E	10s	1.00um				BSD	47.02	312	eP	10	38.30	1.0		Z	21s		0.20um			4.2MsZ
			pP	07	38.00	28km			e		12	23.60		SMF	56.75	305	iPd	11	49.90	-0.7	
CHG	25.81	154	iPc	07	39.00	1.5	GRG	47.25	291	ePd	10	39.52	0.1	SSF	56.75	306	eP	11	49.50	-1.0	
	1.0s		25.50nm			4.8mb	SRO	47.31	301	eP	10	40.60	0.8	AVF	56.97	305	eP	11	51.40	-0.7	
			eS	12	08.00		SKO	47.49	293	eP	10	41.00	-0.3		1.1s		24.40nm			5.1mb	
DL2	26.21	87	eP	07	42.80	1.7	KSP	47.52	306	ePd	10	41.80	0.4	MAF	57.72	305	iPd	11	57.20	-0.2	
	Z	14s	0.40um			4.1MsZx	LIT	47.55	290	ePc	10	41.44	-0.4		0.9s		29.50nm			5.3mb	
P00	26.63	209	eP	07	42.00	-3.2X	ZST	47.94	302	eP	10	45.00	0.3	TCF	57.90	305	iPd	11	58.30	-0.4	
SNY	26.79	79	Pc	07	46.80	0.4			e		12	36.20			0.9s		39.30nm			5.5mb	
	Z	17s	1.50um			4.6MsZx	FNA	48.03	291	ePc	10	45.12	-0.5	LDF	58.13	309	eP	11	59.40	-0.8	
	N	12s	2.10um				AGG	48.13	289	ePc	10	45.60	-0.8		0.8s		17.45nm			5.2mb	
			eS	12	20.00		OHR	48.29	292	eP	10	47.00	-0.6	FLN	58.25	309	eP	12	00.20	-0.8	
NJ2	27.15	103	eP	07	54.00	4.3X	PRU	48.87	305	P	10	52.30	0.5		0.8s		16.10nm			5.1mb	
	Z	13s	0.70um			4.4MsZx		1.3s	18.10nm				4.9mb	Z	21s		0.50um			4.6MsZ	
	N	11s	0.60um					N	16s	0.30um				GRR	58.65	309	eP	12	03.10	-0.8	
	E	11s	0.50um					E	18s	0.40um					0.9s		26.20nm			5.3mb	
CN2	27.70	75	eP	07	54.80	0.1			e		11	01.50		CAF	58.68	304	eP	12	04.20	0.0	
	Z	15s	2.60um			4.9MsZx	CLL	49.32	307	iPd	10	55.40	0.1		0.7s		8.80nm			5.0mb	
	N	10s	0.60um					1.1s	27.00nm				5.2mb	RJF	58.82	305	eP	12	05.10	0.0	
	E	10s	0.70um				PTJ	49.53	300	eP	10	56.50	-0.6		Z	21s		0.32um			4.4MsZ
			epP	08	09.00	58kmX	KHC	49.77	304	P	10	59.00	0.2	LPF	58.94	308	eP	12	05.00	-0.9	
IR4	29.04	267	eP	08	07.50	0.5			e		11	09.00		ANM	59.05	29	P	12	06.90	0.5	
IR7	29.05	268	eP	08	08.00	0.9			i		11	09.00					pP	12	16.60	32km	
IR1	29.12	268	eP	08	09.00	1.3	V8Y	50.14	299	iP	11	02.40	0.7	DMU	59.12	317	eP	12	08.00	1.0	
IR5	29.28	268	eP	08	10.50	1.3			e		11	11.70		MFF	59.15	307	eP	12	06.80	-0.6	
SSE	29.34	102	eP	08	06.00	-3.5X	MOX	50.37	307	iP	11	04.00	0.6		1.1s		17.10nm			5.1mb	
	1.2s		34.00nm			5.0mb		1.6s	35.00nm				5.1mb	LPO	59.34	304	eP	12	08.70	0.0	
	Z	12s	0.70um			4.5MsZx	LJU	50.38	300	e(P)	11	03.50	0.0	LFF	59.48	305	eP	12	09.90	0.3	
	N	15s	1.20um				CEY	50.58	300	e(P)	11	05.00	0.0	MBC	60.11	7	eP	12	13.00	-0.6	
			eS	13	14.00		KBA	50.71	302	i(P)	11	05.90	-0.3		0.8s		80.00nm			5.9mb	
QIZ	30.38	134	eP	08	19.20	0.3			i		11	17.90		EPF	60.73	303	eP	12	23.50	35km	
	E	13s	0.70um				RIY	50.76	300	eP	11	05.50	-0.9		0.8s		13.45nm			5.1mb	
			eS	13	17.50		VOY	50.79	301	eP	11	05.80	-1.0	IMA	61.92	24	P	12	25.00	-1.2	
MDJ	30.47	72	eP	08	20.00	0.6	BRT	50.84	293	P	11	07.20	0.2				pP	12	35.30	34km	

06d 08b

[illegible]

DOU	145.92	1 PKP	34	07.90	0.6	RDW	2.98	196 eP	45	50.43	1.5		iS	59	54.11	
	0.7s	14.40nm				RS2	2.99	196 eP	45	51.19	2.1		GH0	0.87	89 iPc	59 42.17 -0.5
FLN	146.90	7 ePKP	34	09.90	1.0	RSO	2.99	196 eP	45	50.00	0.9			eS	59	55.48
	0.7s	15.45nm				KLU	3.05	125 eP	45	50.53	0.7		BGL	0.93	238 ePc	59 42.84 -0.7
LDF	147.11	7 ePKP	34	10.30	1.1	SVW	3.08	225 P	45	52.20	2.1			S	59	56.94
GRR	147.22	8 ePKP	34	10.90	1.5	42 obs. associated										
	0.7s	17.65nm				-----										
LPF	147.55	8 ePKP	34	11.90	2.0X	% JUN 06, 1991	12h	01m	46.40±	0.60s			CKL	0.95	234 iPc	59 43.01 -0.8
	0.8s	24.20nm				42.769 N ± 5.2km		19.172 E ± 5.0km					NKA	1.05	193 ePc	59 46.55 1.5
CDF	147.58	358 ePKP	34	12.10	2.0X	DEPTH = 10.0km		(geophysicist)					SML	1.15	87 iPc	59 45.81 -0.7
	0.8s	9.40nm				YUGOSLAVIA		(383)				KNK	1.16	107 iPc	59 46.24 -0.3	
HAU	148.01	359 ePKP	34	13.40	2.6X	ML 1.5 (TTG).								S	00	01.97
	1.0s	12.00nm										SLKM	1.29	168 eP	59 47.27 -1.2	
LOR	148.73	2 ePKP	34	15.30	3.4X	NKY	0.14	289 iPgc	01	50.14	0.4		HUR	1.32	23 ePc	59 48.45 -0.4
	0.9s	11.45nm						iSg	01	52.52				eS	00	05.84
SSF	148.92	3 ePKP	34	15.70	3.5X	TTG	0.35	169 iPgd	01	53.37	-0.1		RDT	1.44	214 iPc	59 49.81 -0.8
LBF	149.02	2 ePKP	34	16.00	3.6X			iSg	01	59.24			DFR	1.51	219 iPc	59 50.70 -0.8
	0.8s	7.40nm				BRY	0.48	286 iPgd	01	56.07	-0.1			iS	00	10.74
AVF	149.19	3 ePKP	34	16.20	3.6X			iSg	02	03.97			RDN	1.59	219 iPc	59 51.96 -0.8
SMF	149.35	2 ePKP	34	16.80	3.9X	IVA	0.54	79 iPgd	01	57.70	0.3		REF	1.59	217 iPc	59 52.27 -0.6
	1.1s	9.75nm						iSg	02	05.52			NCT	1.60	222 ePc	59 52.31 -0.6
BGF	149.39	4 ePKP	34	16.70	3.8X	BDV	0.55	208 iPgd	01	57.50	0.0		RDW	1.63	219 iPc	59 52.82 -0.5
VBY	149.39	346 e(PKP)	34	12.00	-1.0			iSg	02	05.42			RS2	1.63	217 iPc	59 52.80 -0.6
		e	34	18.00		PLE	0.58	16 iPgc	01	57.94	-0.4			eS	00	14.28
LSF	149.60	5 ePKP	34	17.00	3.7X			iSg	02	06.60			RSO	1.63	217 ePc	59 52.64 -0.7
	1.0s	17.00nm				HCY	0.59	237 iPgc	01	58.35	0.0		SCM	1.63	86 ePc	59 52.34 -0.9
TCF	149.62	4 ePKP	34	17.40	4.1X			iSg	02	07.04			RED	1.67	217 ePc	59 53.22 -0.6
	1.1s	9.75nm				S.D. = 0.3 on 7 of 7 obs.										
MAF	149.71	4 ePKP	34	17.70	4.3X	-----										
LPL	150.49	358 ePKP	34	20.40	5.5X	% JUN 06, 1991	12h	46m	09.86±	2.42s			NNL	1.75	189 eP	59 55.35 0.5
	0.8s	6.05nm				65.383 N ± 15.0km		22.897 E ± 28.3km					SEW	1.79	158 eP	59 55.32 0.0
LPG	150.51	358 ePKP	34	20.60	5.6X	DEPTH = 10.0km		(geophysicist)					RND	1.87	27 eP	59 55.93 -0.6
	0.8s	6.05nm				SWEDEN		(536)					GLI	1.98	115 iPd	59 56.13 -2.0
S.D. = 1.0 on 21 of 38 obs.						MD 3.1 (BER).							KNIM	2.05	133 ePd	59 56.24 -2.8
& JUN 06, 1991 11h 45m 00.91s						KTk1	3.65	2 eP	47	06.52	-1.0		MCK	2.14	22 eP	00 00.18 -0.2
63.342 N 151.124 W								eS	47	48.61			VZW	2.14	108 eP	59 58.73 -1.7
DEPTH = 12.6km						TRO	4.53	342 eP	47	21.24	1.3		HOM	2.16	192 eP	00 01.02 0.4
CENTRAL ALASKA (1)								eS	48	08.22			TOA	2.19	79 eP	00 00.58 -0.6
<AEIC>. ML 2.5 (AEIC).						NSS	4.72	265 eP	47	23.04	0.3		VLZ	2.22	105 ePc	59 59.47 -2.0
TRF	0.39	73 eP	45	08.72	-0.4			eSg	48	36.97			LTl	2.24	139 eP	59 58.93 -2.8
		eS	45	15.53		UPP	6.05	206 iPn	47	33.50	-7.9x		CNPM	2.26	186 eP	00 01.48 -0.6
HUR	0.77	118 eP	45	16.03	0.4			i	48	02.50			KLU	2.33	95 eP	00 01.35 -1.7
		S	45	27.48		HFS	6.75	223 eP	47	51.70	0.4		SVW	2.43	256 iPc	00 02.57 -1.9
CUT	1.02	157 iP	45	20.28	0.4			1.40nm	4.7mb				BWN	2.48	13 eP	00 04.36 -0.9
RND	1.03	85 iP	45	20.04	-0.1	NRA0	6.95	233 Pn	47	54.50	0.4		TZL	2.54	81 eP	00 04.93 -1.1
		eS	45	34.53				Lg	49	51.30			SDG	2.56	70 eP	00 05.82 -0.5
MCK	1.06	67 eP	45	20.25	-0.3	MOL	7.31	254 eP	47	57.82	-1.4		PDB	2.60	222 ePc	00 05.35 -1.6
		S	45	35.71				eS	49	17.51			TTA	2.71	298 eP	00 06.30 -2.3
BWN	1.11	41 eP	45	21.60	0.1	S.D. = 1.3 on 6 of 7 obs.										
		S	45	38.73		% JUN 06, 1991	12h	55m	52.70±	0.99s			AUE	2.74	209 eP	00 08.18 -0.7
SKT	1.38	188 iP	45	25.21	-0.7	16.641 N ± 10.1km		61.464 W ± 12.1km					PAX	2.74	62 ePc	00 08.12 -0.9
		S	45	43.55		DEPTH = 33.0km		(normol)					AUH	2.75	210 eP	00 08.70 -0.4
NEA	1.53	35 eP	45	28.06	0.0	LEEWARD ISLANDS		(92)				NEA	2.92	14 eP	00 09.54 -1.9	
		eS	45	47.70		ML 2.4 (FDF).						WRH	2.97	23 eP	00 10.73 -1.5	
WRH	1.76	48 eP	45	30.54	-0.7	SFG	0.46	146 eP	56	02.72	0.0		DDM	3.03	46 eP	00 14.02 0.9
PWA	1.79	161 eP	45	32.18	0.4	DEG	0.51	130 ePc	56	03.28	-0.2		MCNL	3.14	216 eP	00 13.95 -0.6
GH0	1.88	146 eP	45	32.96	-0.1			S	56	10.20			HDA	3.16	31 eP	00 13.45 -1.5
SUA	1.89	174 eP	45	33.69	0.3	BPA	0.55	317 ePc	56	04.12	0.1		CCB	3.18	24 eP	00 13.05 -2.1
CCB	1.96	47 eP	45	31.58	-2.6	PAG	0.64	199 eP	56	04.80	-0.6		CDD	3.19	208 eP	00 14.08 -1.2
		eS	46	01.75				S	56	12.50			SYI	3.27	195 eP	00 15.23 -1.2
PLRM	1.99	151 eP	45	34.72	0.2	MGG	0.73	169 eP	56	06.75	0.2		GLB	3.34	93 eP	00 15.32 -2.1
PMR	1.99	151 P	45	34.10	-0.4			S	56	16.50			MDM	3.40	18 eP	00 16.24 -2.0
		S	46	05.70		BBL	1.11	181 eP	56	12.60	0.6		FBA	3.42	22 eP	00 16.60 -1.9
NCG	2.00	194 eP	45	33.30	-1.7			S	56	27.20			GLM	3.57	24 eP	00 18.96 -1.7
SML	2.01	139 eP	45	34.75	-0.2	S.D. = 0.5 on 6 of 6 obs.										
MDM	2.06	37 eP	45	32.71	-3.0	-----										
CGLM	2.08	192 eP	45	35.48	-0.6	& JUN 06, 1991	12h	59m	26.42s				DOT	3.62	56 eP	00 20.03 -1.3
HDA	2.13	58 eP	45	36.92	0.2	61.768 N		150.758 W					TGL	3.96	101 eP	00 25.21 -1.0
CRP	2.14	193 eP	45	36.67	-0.3	DEPTH = 51.3km							BALM	4.11	97 eP	00 26.19 -2.2
FBA	2.14	42 eP	45	37.20	0.4	SOUTHERN ALASKA		(2)					IMA	4.51	345 P	00 30.90 -3.0
BGL	2.17	196 eP	45	36.88	-0.5	<AEIC>. ML 3.1 (AEIC).							65 obs. associated			
CKL	2.23	195 eP	45	38.13	-0.1	SUA	0.31	179 iPd	59	36.04	0.1		* JUN 06, 1991 13h 37m 15.19± 1.87s			
PMS	2.23	160 eP	45	39.38	1.2			eS	59	43.91			16.769 N ± 16.2km 100.149 W ± 13.5km			
TTA	2.26	262 eP	45	38.02	-0.6	SKT	0.42	301 iPc	59	36.36	-0.6		DEPTH = 48.6 ± 12.1 km			
KNK	2.30	146 eP	45	40.02	0.9			eS	59	44.46			3.3mb (2 obs.)			
GLM	2.32	43 eP	45	39.89	0.4	PWA	0.44	105 iPd	59	36.93	-0.1		NEAR COAST OF GUERRERO, MEXICO (58)			
TOA	2.60	116 eP	45	46.06	2.7	CUT	0.68	20 iPc	59	39.40	-0.6		Felt along the coast of Guerrero.			
SDG	2.68	105 eP	45	45.90	1.3	NCG	0.76	242 iPc	59	40.34	-0.9		ACX	0.30	70 iP	37 23.50 -0.7
RDT	2.84	193 eP	45	46.80	-0.1	PMS	0.78	132 iPd	59	40.51	-0.9			iS	37	31.50
DFR	2.86	196 eP	45	47.82	0.7	PLRM	0.80	102 ePd	59	40.60	-1.0		III	1.73	22 iP	37 44.00 0.5
SLKM	2.88	171 P	45	47.20	-0.1			eS	59	52.93				(S)	38	11.00
NCT	2.92	198 eP	45	47.37	-0.6	PMR	0.80	102 iP	59	40.70	-0.9		PPM	2.71	32 iP	37 58.00 0.3
RDN	2.94	196 eP	45	47.72	-0.6	CRP	0.84	234								

06d 13h

OXX 3.29 84 (P) 38 06.00 0.2
 IISM 3.44 50 iP 38 08.00 0.3
 PBJ 4.56 93 (P) 38 24.00 0.6
 ANMO 18.96 344 eP 41 34.90 -0.6
 1.1s 0.95nm 2.9mb
 YKA 46.79 351 eP 45 41.20 -0.3
 0.9s 0.70nm 3.6mb
 S.D. = 0.9 on 10 of 12 obs.

JUN 06, 1991 14h 04m 06.62 ± 1.00s
 38.390 N ± 6.7km 27.066 E ± 10.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

MD 3.4 (ISK).

IZM 0.15 87 iPg 04 09.70 -0.5
 CIN 1.13 134 ePg 04 28.00 0.3
 1.1s 0.95nm 2.9mb
 EZN 1.55 338 ePn 04 33.50 -0.7
 YER 1.58 142 ePn 04 34.80 0.0
 DST 1.72 45 ePn 04 36.70 -0.1
 KHL 1.93 91 ePn 04 40.00 0.1
 EDC 2.05 17 ePn 04 42.00 0.5
 BNT 2.07 18 ePn 04 42.00 0.1
 MFT 2.40 4 ePn 04 47.00 0.4
 S.D. = 0.5 on 9 of 9 obs.

JUN 06, 1991 15h 37m 16.57 ± 0.32s
 44.761 N ± 2.2km 6.796 E ± 3.6km
 DEPTH = 10.0km (geophysicist)

FRANCE (538)

ML 2.5 (GEN).

RRL 0.16 357 P 37 20.18 -0.2
 S 37 23.38
 BNI 0.30 344 P 37 23.00 0.0
 eSg 37 28.00
 PZZ 0.34 139 P 37 23.13 -0.5
 S 37 28.72
 BHB 0.34 76 P 37 24.02 0.4
 S 37 30.31
 DOI 0.41 129 P 37 24.50 -0.5
 eSg 37 31.00
 RSP 0.51 40 P 37 27.39 0.5
 S 37 35.18
 STV 0.64 144 P 37 29.34 -0.1
 S 37 37.75
 LPG 0.74 358 Pg 37 31.10 -0.1
 Sg 37 41.50
 LSD 0.74 20 P 37 31.39 0.1
 S 37 41.74
 LPL 0.76 357 Pg 37 31.30 -0.2
 Sg 37 42.00
 ROB 0.90 121 P 37 33.64 -0.2
 S 37 45.82
 SBF 1.01 153 Pg 37 35.90 0.2
 Sg 37 49.30
 FIN 1.15 118 P 37 38.16 0.0
 S 37 54.02
 IMI 1.16 137 P 37 38.13 -0.1
 S 37 54.15
 FRF 1.20 185 Pg 37 39.10 0.1
 Sg 37 55.90
 PCP 1.27 99 P 37 40.92 0.8
 S 37 58.25
 LRG 1.34 194 Pg 37 42.20 0.9
 Sg 38 00.90
 LMR 1.44 188 Pg 37 43.10 0.4
 Sg 38 02.60
 PGF 2.73 143 Pn 38 00.30 -1.0
 BGF 3.30 304 Pn 38 09.00 -0.3
 S.D. = 0.5 on 20 of 20 obs.

JUN 06, 1991 16h 06m 14.23 ± 0.57s
 44.451 N ± 5.8km 7.348 E ± 6.0km
 DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

ML 1.9 (GEN).

PZZ 0.18 287 P 06 18.86 0.4
 S 06 21.73
 STV 0.21 185 P 06 18.75 -0.1
 S 06 21.42
 BHB 0.40 351 P 06 22.45 0.1
 S 06 27.68
 ROB 0.41 112 P 06 22.65 0.1
 S 06 27.88

RRL 0.62 320 P 06 26.34 -0.5
 S 06 34.13
 FIN 0.66 111 P 06 27.57 0.1
 S 06 35.67
 IMI 0.67 144 P 06 27.37 -0.2
 S 06 35.57
 S.D. = 0.4 on 7 of 7 obs.

* JUN 06, 1991 17h 01m 25.06 ± 1.61s
 32.279 S ± 11.8km 71.407 W ± 17.6km
 DEPTH = 33.0km (normal)
 NEAR COAST OF CENTRAL CHILE (135)

IHA 0.77 195 eP 01 39.50 0.1
 S 01 52.20
 PEL 1.06 145 iPc 01 43.50 -0.1
 i 01 58.50
 RTBS 1.77 70 ePd 01 54.00 0.2
 RTCB 2.35 71 iPd 02 02.10 -0.2
 S 02 32.20
 ZON 2.43 73 eP 02 04.50 1.1
 RTLL 2.67 70 e(P) 02 05.80 -1.0
 S 02 42.30
 RTRS 2.68 39 iPd 02 06.80 0.0
 S 02 39.80
 S.D. = 0.7 on 7 of 7 obs.

? JUN 06, 1991 17h 24m 16.69 ± 2.92s
 6.407 S ± 20.8km 147.846 E ± 27.8km
 DEPTH = 72.4 ± 15.1 km
 4.7mb (3 obs.)

EAST PAPUA NEW GUINEA REGION (207)

LAT 0.88 254 iPc 24 33.00 -1.0
 YYYY 1.88 275 iPc 24 48.50 1.1
 MDG 2.36 299 e(P) 24 52.80 -1.1
 PMG 3.06 193 iPd 25 04.10 0.4
 MNDI 4.17 273 eP 25 21.00 1.5
 WB2 18.78 223 iPc 28 31.20 -1.9
 0.3s 18.50nm 4.8mb
 RMO 19.99 178 eP 28 48.00 2.0X
 BRS 21.39 168 iPd 29 00.40 0.2
 ASPA 21.78 217 iPc 29 04.20 0.0
 0.3s 12.80nm 4.8mb
 eS 33 01.60
 STK 26.01 192 iPd 29 45.30 0.6
 0.5s 5.40nm 4.3mb
 e 30 22.50
 WARB 28.21 223 eP 30 05.00 0.2
 S.D. = 1.3 on 10 of 11 obs.

* JUN 06, 1991 17h 35m 35.39 ± 2.43s
 40.788 N ± 25.7km 29.998 E ± 20.0km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.9 (ISK).

EYL 0.25 151 iPg 35 40.80 0.0
 HRT 0.25 278 ePg 35 40.70 -0.1
 eSg 35 44.70
 GBZT 0.42 270 ePg 35 44.00 0.0
 iSg 35 50.00
 ISK 0.76 292 ePg 35 50.20 -0.1
 CIT 1.24 287 iPn 35 58.60 0.1
 S.D. = 0.1 on 5 of 5 obs.

* JUN 06, 1991 18h 02m 08.65 ± 0.72s
 34.349 N ± 14.2km 25.717 E ± 9.0km
 DEPTH = 127.3 ± 19.9 km

CRETE (370)

NPS 0.92 355 iPc 02 30.00 -0.8
 eS 02 38.00
 ARG 2.71 46 eP 02 53.50 1.5
 eS 03 22.50
 VLI 3.28 317 iPc 02 59.00 -0.5
 eS 03 34.50
 YER 3.48 36 ePn 03 02.30 0.1
 VLS 5.63 314 eP 03 33.20 1.9
 eS 04 31.00
 HLW 6.54 132 eP 04 47.30 63.6X
 KOT 6.80 129 ePn 03 47.00 -0.2
 eSn 04 58.00
 DSI 8.58 106 eP 04 10.00 -1.3
 eS 05 41.00
 LCI 8.59 316 P 04 08.80 -2.6
 SOI 8.65 298 Pd 04 12.80 0.6

ROI 8.98 308 P 04 17.00 0.2
 MBH 9.01 118 iPc 04 17.20 0.0
 eS 05 52.00
 CZI 9.09 305 P 04 18.00 -0.1
 ATN 9.11 298 P 04 19.50 1.1
 TDS 9.18 308 P 04 19.90 0.5
 CSI 9.28 308 P 04 21.30 0.6
 BRT 9.38 316 P 04 20.30 -1.7
 HOL 9.42 120 P 04 23.30 0.8
 S 06 02.70
 MMN 9.53 308 P 04 24.50 0.5
 MGR 9.95 308 Pd 04 28.80 -0.7
 SGO 10.33 310 Pd 04 34.70 0.1
 S.D. = 1.2 on 20 of 21 obs.

JUN 06, 1991 18h 14m 05.53 ± 0.29s
 12.207 N ± 4.2km 120.609 E ± 5.4km
 DEPTH = 18.4km (6 depth phases)
 5.0mb (23 obs.) 4.3MsZ (4 obs.)
 MINDORO, PHILIPPINE ISLANDS (250)

PGP 1.33 15 iPc 14 30.00 0.9
 OCP 2.46 11 eP 14 40.00 -5.4X
 PPR 3.04 218 ePc 14 53.00 -0.6
 MAP 3.80 119 iPd 15 05.00 0.5
 0.5s 139.00nm
 BAG 4.18 360 eP 15 09.80 -0.2
 PLP 4.40 103 ePc 15 13.80 0.8
 eS 15 23.80
 SZP 5.32 358 ePc 15 32.00 6.0X
 CGP 5.48 132 eP 15 28.00 -0.3
 eS 16 32.00
 CVP 5.59 12 ePd 15 30.50 0.7
 0.8s 86.00nm 5.5mb
 DAV 7.06 136 eP 15 52.10 1.6
 TSM 8.32 198 eP 16 07.00 -1.2
 QIZ 12.39 305 eP 17 02.50 -1.4
 N 12s 1.80um
 E 14s 1.40um
 GZH 12.84 328 eP 17 10.00 0.1
 E 12s 1.50um
 SSE 18.81 2 eP 18 27.00 0.7
 1.5s 24.00nm 4.2mb
 Z 20s 0.70um 4.0MsZ
 N 12s 0.30um
 WHN 19.15 343 ePd 18 32.00 1.5
 1.2s 50.00nm 4.6mb
 Z 14s 0.60um 4.1MsZ
 E 11s 1.20um
 pP 18 41.20 36kmX
 GYA 19.32 319 P 18 34.40 1.6
 Z 18s 0.90um 4.2MsZ
 N 14s 1.50um
 E 14s 1.10um
 pP 18 43.00 32kmX
 sP 18 48.00
 PP 18 53.00
 NJ2 19.82 356 Pc 18 36.00 -2.1
 Z 21s 1.00um
 E 13s 0.70um
 KGM 19.90 241 eP 18 36.00 -3.1X
 NNT 20.39 273 eP 18 45.20 1.0
 IPM 20.79 250 ePd 18 52.20 3.8X
 1.0s 31.20nm 4.7mb
 KMI 21.22 310 Pc 18 55.00 2.0
 2.3s 100.00nm 4.8mb
 Z 12s 1.20um 4.5MsZ
 pP 19 05.00 38kmX
 TRT 21.31 202 ePc 18 55.30 1.7
 0.6s 39.40nm 5.0mb
 KHT 21.56 279 eP 18 57.00 0.8
 CHG 21.87 290 eP 19 00.80 1.4
 1.0s 10.00nm 4.2mb
 eS 25 06.00
 PSI 23.46 248 eP 19 21.50 6.5X
 TIA 24.11 353 eP 19 20.20 -0.9
 Z 22s 0.60um 4.0MsZ
 E 11s 0.60um
 eS 23 33.00
 XAN 24.21 336 P 19 22.00 -0.1
 N 12s 0.60um
 E 12s 0.90um
 S 23 39.00
 CD2 24.27 323 P 19 24.50 1.7
 1.0s 60.00nm 5.1mb
 Z 14s 0.50um 4.2MsZ
 E 13s 1.00um

06d 18h

TIY				JUN 06, 1991 18h 49m 00.95±0.72s				OFUJ			
26.43 345 eS				40.936 N ± 8.3km 15.146 E ± 8.9km				10.11 357 eP			
Z 10s 0.76um				DEPTH = 5.0km (geophysicist)				eS 50 57.10			
8JI 28.00 353 eP				SOUTHERN ITALY (390)				MDJ 18.67 330 eP			
Z 20s 0.54um				SGO 0.40 162 P				CN2 20.11 322 eP			
LZH 28.18 330 eP				MGR 0.86 159 P				Z 1.0s 10.00nm			
Z 2.0s 89.00nm				MMN 1.23 148 P				N 18s 0.60um			
Z 17s 0.98um				SDI 1.26 308 P				E 13s 0.30um			
N 12s 0.79um				BAI 1.32 81 P				E 13s 0.10um			
HHC 29.62 346 P				ORI 1.32 131 P				NJ2 20.56 284 Pd			
N 12s 0.40um				CSI 1.45 143 P				TIA 22.49 295 eP			
BTO 29.78 344 eP				BRT 1.56 91 P				BJI 24.23 304 eP			
N 11s 0.40um				TDS 1.57 144 P				Z 16s 0.29um			
E 11s 0.90um				ROI 1.74 141 P				HHC 27.83 303 P			
CN2 31.76 7 eP				CZI 1.88 156 P				BTO 28.90 302 eP			
Z 17s 1.20um				LCI 2.22 105 P				GYA 31.71 274 iPd			
N 13s 0.30um				ATN 2.78 175 P				CD2 33.48 283 P			
E 13s 0.10um				SOI 2.95 166 P				YAK 34.11 349 eP			
LSA 32.41 307 P				LBF 10.06 311 eP				GTA 36.48 298 eP			
GTA 32.76 329 eP				LPF 13.55 307 eP				IRK 36.53 320 eP			
Z 16s 1.50um				FLN 13.55 310 eP				CHG 40.85 266 eP			
E 11s 1.00um				GRR 13.59 309 eP				WMO 45.70 304 P			
WB2 34.69 157 iPc				S.D. = 1.4 on 12 of 18 obs.				Z 1.3s 10.00nm			
0.6s 15.70nm				? JUN 06, 1991 19h 40m 21.52±1.17s				WB2 49.25 190 iPc			
GUN 36.01 301 P				4.470 N ± 9.0km 125.622 E ± 48.2km				0.7s 19.80nm			
0.8s 44.00nm				DEPTH = 184.1 ± 14.5 km				i 56 15.40			
PKI 36.30 300 P				4.2mb (3 obs.)				GUN 49.35 283 P			
0.8s 36.00nm				TALAUD ISLANDS (263)				PKI 49.84 283 P			
KKN 36.48 300 P				MNI 3.11 195 ePd				1.1s 31.00nm			
0.8s 24.00nm				CGP 4.06 347 P				KKN 49.89 283 P			
GKN 37.08 301 P				MAP 6.04 344 eP				1.0s 39.00nm			
0.8s 21.00nm				AAI 8.50 162 ePc				GKN 50.38 284 P			
ASPA 37.95 160 eP				MTN 18.05 162 eP				1.3s 61.00nm			
1.0s 11.00nm				eS 45 13.00				INK 61.24 25 eP			
WARB 38.61 171 eP				ASPA 29.11 164 eP				pP 57 15.50			
0.5s 17.00nm				0.5s 2.50nm				MBC 64.03 15 eP			
IRK 42.07 345 (P)				WARB 30.49 178 eP				1.0s 7.00nm			
e 22 02.00 20km				FORR 35.20 176 iPc				NB2 81.97 338 P			
GBA 42.07 277 Pd				STK 39.22 158 iPc				0.8s 1.70nm			
1.0s 24.30nm				0.3s 1.50nm				YER 89.84 313 iP			
WMO 42.35 324 P				NB2 97.64 333 P				ARG 90.49 313 eP			
Z 18s 0.60um				0.7s 1.50nm				ZOBBO 149.17 72 PKP			
N 15s 1.30um				S.D. = 0.8 on 8 of 10 obs.				LPB 149.32 73 PKP			
PcS 27 40.00				* JUN 06, 1991 20h 17m 40.47±1.15s				S.D. = 1.0 on 24 of 31 obs.			
STK 48.23 156 eP				35.766 N ± 11.4km 28.235 E ± 8.0km				* JUN 06, 1991 20h 59m 03.13±1.51s			
0.8s 3.70nm				DEPTH = 10.0km (geophysicist)				35.296 N ± 16.5km 24.256 E ± 9.1km			
CMS 49.72 152 eP				EASTERN MEDITERRANEAN SEA (371)				DEPTH = 76.6 ± 15.9 km			
YAK 50.16 6 iPd				MD 4.1 (ISK), 3.8 (ATH).				3.7mb (2 obs.)			
e 23 24.00 99kmX				ARG 0.46 349 ePn				CRETE (370)			
DZM 56.40 127 iPc				YER 1.37 2 iPn				NPS 1.11 91 iPc			
MAIO 59.65 305 eP				ELL 1.67 54 iPn				eS 59 40.00			
OBN 76.67 324 eP				NPS 2.20 258 iPnd				VLJ 1.78 323 eP			
Z 18s 0.50um				BCK 2.54 48 ePn				ATH 2.71 351 eP			
E 18s 0.20um				IZM 2.74 344 ePn				4.03 338 ePc			
KEV 79.89 339 eP				KHL 2.75 22 ePn				eS 00 04.62			
SOD 80.36 337 eP				VLI 4.39 284 ePn				00 53.02			
i 26 22.00 19km				S.D. = 0.7 on 7 of 8 obs.				eS 00 06.50			
KAF 81.32 332 eP				* JUN 06, 1991 20h 46m 49.63±0.88s				eS 00 53.00			
0.8s 10.60nm				28.965 N ± 8.2km 142.456 E ± 12.8km				PAIG 4.65 355 ePc			
NUR 82.39 330 iP				DEPTH = 33.0km (normol)				ELL 4.81 71 iP			
0.7s 14.70nm				5.0mb (7 obs.)				LIT 5.00 344 ePc			
VRI 84.03 316 ePc				BONIN ISLANDS REGION (212)				5.26 325 ePc			
INK 84.51 21 eP				IIDJ 7.55 331 P				eS 01 20.62			
MBC 85.02 12 eP				CHJJ 7.64 338 P				KZN 5.38 339 eP			
1.3s 13.00nm				S 50 04.00				eS 01 22.00			
UPP 85.96 330 iP				NIIJ 8.75 342 P				5.66 323 eP			
HFS 87.74 331 eP				S 50 26.60				eS 01 28.00			
0.8s 6.70nm				YAMJ 9.40 348 eP				FNA 5.93 338 ePd			
Z 17s 0.19um				eS 50 46.70				KNT 5.95 350 iPd			
LR 02 49.00				* JUN 06, 1991 21h 33m 21.18±1.05s				VAY 6.16 348 eP			
KSP 89.47 322 eP				51.649 N ± 7.0km 6.850 E ± 10.6km				LCI 7.08 317 P			
PRU 90.81 322 eP								SOI 7.15 295 P			
CLL 91.26 323 iP								ATN 7.62 295 P			
KHC 91.70 321 P								CSI 7.75 308 P			
MOX 92.33 323 e(P)								BRT 7.87 317 P			
S.D. = 1.1 on 53 of 66 obs.								eSn 02 16.10			

06d 21h

DEPTH = 10.0km (geophysicist)						1.0s 20.00nm 4.3mb						MOX 77.35 336 iPc 40 08.80 0.0					
GERMANY (543)						Z 16s 0.90um 4.0Msz						1.1s 15.00nm 4.9mb					
ML 2.5 (GSH), 2.3 (BNS), MD 2.4 (UCC).						YAK 20.15 328 eP 32 45.00 28km						WTS 77.39 339 ePc 40 19.50 10.6X					
						eP 32 50.60 0.7						0.8s 28.00nm					
WTS 0.35 356 iPg 33 29.00 0.7						iPp 33 10.00 100kmX						SRO 77.76 330 eP 40 11.00 0.0					
BNS 0.72 163 iPc 33 36.20 0.9						iPPP 33 30.00						ZST 77.83 331 iP 40 11.60 0.2					
0.4s 95.00nm						eS 36 34.00						KHC 78.13 334 P 40 17.70 4.6X					
						eSS 36 46.00						WET 78.33 334 iPc 40 14.70 0.5					
GSH 0.96 198 iPgc 33 41.80 2.3						SNY 21.28 267 Pd 33 01.00 -0.6						0.8s 17.00nm					
						0.6s 50.00nm						ENN 78.74 339 eP 40 16.00 -0.4					
STB 1.06 180 iPd 33 42.40 1.3						Z 22s 0.70um 4.0Msz						1.0s 33.00nm					
0.3s 67.00nm						27.12 269 eP 34 00.00 2.3						MEM 78.87 339 Pc 40 16.90 -0.2					
						1.0s 27.00nm						SNF 79.37 340 P 40 20.20 0.4					
ENN 1.06 214 iPnc 33 43.00 1.9						Z 20s 0.36um 3.9Msz						DOU 79.69 340 P 40 21.60 0.1					
0.5s 29.00nm						29.94 274 P 34 23.00 -0.3						GWF 79.96 337 P 40 23.09 0.0					
						30.79 268 eP 34 31.60 0.9						KBA 80.02 333 iPc 40 24.40 0.8					
MEM 1.17 207 iPc 33 44.70 1.7						Z 28s 0.60um 4.1MszX						0.6s 17.70nm					
SNF 1.98 236 iPd 33 56.70 1.7						33.57 255 P 34 55.50 0.5						PTJ 80.22 331 eP 40 24.00 -0.6					
DOU 2.11 223 iP 33 58.50 1.5						GTA 38.62 279 eP 35 38.20 0.3						WATA 80.33 334 iPc 40 25.70 0.5					
CDF 3.25 175 Pn 34 13.20 -0.1						1.0s 10.00nm						0.9s 30.90nm					
HAU 3.66 185 Pn 34 17.80 -1.3						pP 35 49.00 38km						WTTA 80.38 334 iPc 40 26.10 0.6					
BSF 3.82 181 Pn 34 21.00 -0.5						CD2 40.52 265 P 35 53.80 0.2						0.5s 19.70nm					
LOR 4.80 205 Pn 34 34.40 -0.8						0.8s 60.00nm						WLS 80.55 337 P 40 26.37 0.1					
						GYA 41.35 257 P 36 01.00 0.4						SOTA 80.55 334 iPc 40 26.40 0.1					
LBF 5.03 203 Pn 34 37.40 -1.1						INK 41.89 32 eP 36 06.00 1.7						0.9s 17.80nm					
SSF 5.08 207 Pn 34 38.30 -0.9						MBC 44.77 20 eP 36 28.50 0.8						i 40 42.40 57kmX					
AVF 5.38 207 Pn 34 42.00 -1.3						0.5s 2.00nm						CDF 80.57 337 P 40 26.50 0.1					
SMF 5.38 203 Pn 34 42.00 -1.5						KMI 44.88 259 P 36 29.00 -0.4						RDO 80.66 322 eP 40 22.20 -4.6X					
LDF 5.43 238 Pn 34 44.00 -0.1						LSA 49.92 273 iP 37 10.20 1.1						ECH 80.78 337 P 40 27.54 0.1					
FLN 5.52 241 Pn 34 45.00 -0.4						CHG 51.76 256 iPc 37 23.30 0.7						FEL 80.86 337 P 40 27.91 -0.1					
BGF 5.73 209 Pn 34 47.00 -1.4						1.0s 22.00nm						VITF 81.08 338 P 40 29.08 0.1					
GRR 5.94 240 Pn 34 50.40 -0.9						GUN 54.65 275 Pc 37 44.10 -0.3						MOF 81.12 337 P 40 29.10 -0.2					
MAF 6.12 209 Pn 34 52.60 -1.2						0.5s 50.00nm						HAU 81.19 338 eP 40 29.30 -0.3					
LPF 6.26 238 Pn 34 55.10 -0.6						KKN 55.13 275 P 37 47.56 -0.2						0.8s 10.75nm					
S.D. = 1.3 on 22 of 22 obs.						0.7s 141.00nm						Z 19s 0.13um 4.3Msz					
* JUN 06, 1991 22h 01m 02.73±1.22s						PKI 55.18 275 Pc 37 47.84 -0.4						BSF 81.23 337 eP 40 29.50 -0.4					
17.175 N ±10.3km 120.878 E ±12.0km						GKN 55.44 276 Pc 37 49.70 -0.2						0.8s 12.10nm					
DEPTH = 29.4 ± 9.8 km						PNT 55.54 52 eP 37 51.00 0.8						SRS 81.49 324 ePc 40 31.52 0.3					
4.5mb (3 obs.)						0.6s 7.00nm						SKO 81.63 325 eP 40 31.80 -0.1					
LUZON, PHILIPPINE ISLANDS (249)						NNT 55.75 250 eP 37 53.20 1.3						LOMF 81.66 337 P 40 32.04 -0.1					
SZP 0.55 313 ePd 01 14.50 0.6						KEV 57.27 340 eP 38 15.00 12.8X						VAY 81.73 324 iP 40 32.40 -0.1					
BAG 0.81 201 iPc+ 01 18.00 -0.2						KTK1 58.70 341 eP 38 10.09 -2.2						KNT 81.74 324 iPc 40 32.72 0.2					
CVP 1.04 60 iPd 01 20.00 -1.4						TRO 59.13 343 eP 38 14.58 -0.6						PRK 81.92 321 eP 40 34.00 0.5					
						SOD 59.17 339 eP 38 14.00 -1.5						FLN 82.08 342 eP 40 34.30 0.2					
PIP 1.17 348 eP 01 19.50 -3.6X						FFC 61.01 40 ePc 38 28.50 0.2						1.0s 22.00nm					
						0.9s 17.00nm						Z 22s 0.10um 4.1Msz					
OCP 2.53 176 eP 01 54.00 11.3X						LOF 61.46 344 iP 38 29.57 -1.6						GRG 82.11 324 iPd 40 34.42 -0.1					
PGP 3.65 179 iPc 02 02.00 3.4X						LRM 61.51 52 eP 38 32.80 0.6						LDF 82.16 342 eP 40 34.50 -0.1					
						CMB 61.75 64 eP 38 34.80 1.2						1.1s 19.55nm					
GZH 9.20 311 P 03 29.00 12.5X						KAF 63.34 335 iP 38 42.50 -1.2						HRI 82.20 311 iPc 40 36.20 1.0					
TIA 19.25 351 eP 05 29.60 1.9						0.5s 12.20nm						PAIG 82.45 323 ePd 40 35.93 -0.3					
CD2 20.73 314 P 05 42.70 -0.9						NSS 64.91 342 iP 38 51.93 -2.0						VAI 82.49 335 P 40 36.70 0.4					
CHG 20.93 278 eP 05 47.00 1.4						NUR 65.10 335 iP 38 54.10 -1.1						LOR 82.50 339 eP 40 36.20 -0.2					
BJI 23.15 351 eP 06 09.00 1.5						0.8s 24.00nm						0.8s 21.50nm					
SNY 24.68 5 Pd 06 20.20 -2.1						FRB 65.22 19 eP 38 54.00 -1.9						Z 22s 0.13um 4.2Msz					
1.4s 20.00nm						RGS 66.57 342 eP 39 03.80 -0.7						GRR 82.51 343 eP 40 36.50 0.1					
HHC 24.93 343 eP 06 26.60 1.7						MAIO 66.57 298 iPd 39 05.70 0.6						0.9s 18.00nm					
GUN 33.93 295 P 07 45.40 -0.7						MOL 67.56 343 iP 39 10.05 -0.7						OHR 82.61 325 eP 40 36.70 -0.4					
0.6s 14.00nm						UPP 67.62 337 iP 39 10.20 -1.0						FNA 82.67 325 ePc 40 36.78 -0.6					
PKI 34.28 294 P 07 47.80 -1.3						i 39 36.70 105kmX						LBF 82.73 339 eP 40 37.30 -0.4					
KKN 34.43 294 P 07 49.00 -1.2						N82 68.16 341 P 39 13.20 -1.5						0.7s 6.60nm					
GKN 35.03 294 P 07 53.80 -1.5						0.6s 21.00nm						SSF 82.78 339 eP 40 37.70 -0.1					
WB2 39.19 160 eP 08 31.40 1.3						WB2 68.35 198 eP 39 15.10 -1.1						0.9s 17.20nm					
0.7s 2.40nm						e 39 25.10 32km						LPF 82.89 343 eP 40 38.60 0.2					
MAIO 57.12 302 eP 10 49.00 -0.3						HFS 68.38 339 eP 39 14.70 -1.3						0.9s 19.65nm					
S.D. = 1.5 on 15 of 19 obs.						0.4s 44.40nm						AVF 83.07 339 eP 40 39.60 0.3					
JUN 06, 1991 23h 28m 16.06±0.32s						Z 21s 0.10um 4.0Msz						SMF 83.08 339 eP 40 39.50 0.1					
46.698 N ± 5.8km 152.589 E ± 5.5km						LR 07 34.00						1.1s 39.05nm					
DEPTH = 32.7km (3 depth phases)						GBA 70.06 269 Pc 39 26.20 -0.7						BOB 83.29 335 Pd 40 41.50 0.9					
5.2mb (55 obs.) 4.1Msz (8 obs.)						0.6s 11.70nm						ARV 83.35 332 Pd 40 41.60 0.8					
KURIL ISLANDS (221)						ASPA 72.05 198 iPc 39 38.90 0.3						LPL 83.38 337 eP 40 41.80 0.6					
						0.8s 10.00nm						0.9s 11.45nm					
OFUJ 11.04 230 P 30 51.30 -3.4X						ALO 72.17 58 eP 39 40.00 0.3						LPG 83.39 337 eP 40 42.00 0.6					
						1.0s 4.50nm						0.8s 12.75nm					
NIJJ 13.82 232 eP 31 29.60 -2.2						KOD 72.42 266 eP 39 40.10 -1.4						BGF 83.41 340 eP 40 41.20 0.1					
CHJJ 14.72 229 eP 31 50.10 6.5X						SCH 73.52 23 eP 39 47.00 0.0						0.9s 8.20nm					
MTMJ 14.95 233 eP 31 45.30 -1.4						KRA 75.28 331 iPd 39 57.20 0.0						MME 83.43 333 P 40 43.00 1.4					
MDJ 16.20 271 Pc 32 05.50 2.8						0.7s 25.00nm						BDI 83.58 333 Pd 40 43.30 1.2					
1.0s 70.00nm						KSP 75.79 333 iP 40 00.00 0.0						DSI 83.72 310 iPc 40 44.00 1.1					
						EKA 76.30 346 P 40 03.00 0.1						MAF 83.79 340 eP 40 43.70 0.6					
TSRJ 16.72 234 P 32 08.70						1.2s 10.50nm						0.9s 38.50nm					
CN2 19.29 271 eP 32 37.50 -3.4X						CLL 76.36 335 iPc 40 02.70 -0.6						TCF 83.81 340 eP 40 43.40 0.2					
						0.9s 34.00nm						1.0s 18.00nm					
						MLR 76.90 325 eP 40 07.00 0.5						LSF 84.01 340 eP 40 44.40 0.2					
						PRU 77.08 334 Pc 40 07.50 0.2						1.0s 24.00nm					
						0.7s 14.10nm						MFF 84.06 341 eP 40 44.80 0.4					
												5.1mb					

06d 23h

ATH 84.08 322 eP 40 44.50 -0.1
 IGT 84.15 325 ePc 40 44.80 -0.1
 KEK 84.20 325 eP 40 44.50 -0.7
 SBF 84.70 335 eP 40 47.80 0.1
 0.7s 14.35nm 5.3mb
 PRNI 84.89 310 iPc 40 50.10 1.3
 RJF 84.90 340 eP 40 49.20 0.5
 Z 21s 0.13um 4.3msz
 CAF 85.13 339 eP 40 50.10 0.3
 0.9s 9.00nm 5.0mb
 ORI 85.17 328 Pd 40 51.20 1.1
 FRF 85.20 336 eP 40 50.00 -0.2
 VLS 85.21 324 eP 40 50.00 -0.3
 LRG 85.38 336 eP 40 51.50 0.5
 0.9s 18.00nm 5.3mb
 Z 21s 0.08um 4.1msz
 LFF 85.43 340 eP 40 51.20 -0.1
 0.9s 13.10nm 5.1mb
 MGR 85.43 328 Pd 40 51.00 -0.3
 PGF 85.45 334 eP 40 51.30 -0.2
 1.1s 24.40nm 5.3mb
 LMR 85.45 336 eP 40 51.70 0.3
 1.0s 20.00nm 5.3mb
 VLI 85.47 322 eP 40 50.00 -1.6
 NPS 85.52 319 eP 40 50.00 -1.9
 TDS 85.57 328 Pd 40 52.70 0.7
 LPO 85.57 340 eP 40 51.80 -0.2
 0.9s 13.10nm 5.1mb
 EPF 87.33 340 eP 41 00.70 0.0
 KIC 123.46 333 PKP 47 11.00 -0.7
 BAO 144.60 36 ePKPd 47 50.00 -1.1
 PPD 148.70 46 ePKP 47 58.40 0.8
 S.D. = 0.8 on 131 of 138 obs.

& JUN 06, 1991 23h 36m 58.01s
 60.159 N 151.222 W
 DEPTH = 60.5km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>.

NNL 0.12 198 iPd 37 07.94 2.2
 HOM 0.55 203 iPd 37 10.42 -0.2
 eS 37 19.75
 NKA 0.59 359 ePd 37 12.63 1.6
 SLKM 0.61 54 ePc 37 11.02 -0.3
 eS 37 21.51
 CNPM 0.64 181 iPd 37 10.96 -0.7
 eS 37 21.19
 RDT 0.72 306 iPd 37 12.11 -0.6
 eS 37 23.65
 REF 0.81 295 iPd 37 13.24 -0.7
 RED 0.81 289 iPd 37 13.19 -0.7
 eS 37 25.18
 RSO 0.82 292 iPd 37 13.42 -0.7
 iS 37 25.59
 RS2 0.82 292 iPd 37 13.46 -0.7
 eS 37 25.47
 RDN 0.85 296 iPd 37 13.43 -0.9
 iS 37 25.96
 DFR 0.85 301 iPd 37 13.55 -0.8
 RDW 0.85 293 ePd 37 13.73 -0.8
 eS 37 26.10
 SEW 0.89 93 eP 37 13.49 -1.2
 NCT 0.94 296 ePd 37 14.83 -0.7
 CKL 1.18 333 ePd 37 18.31 -0.4
 CRP 1.20 338 eP 37 18.87 -0.2
 S 37 35.36
 CGLM 1.22 342 ePd 37 19.07 -0.1
 BGL 1.25 333 ePd 37 19.48 -0.2
 SUA 1.33 10 ePd 37 20.68 -0.1
 NCG 1.33 340 ePd 37 20.71 -0.1
 AUE 1.35 235 eP 37 20.14 -0.8
 PMS 1.36 36 ePc 37 21.06 -0.1
 AUH 1.38 236 eP 37 20.64 -0.8
 AUI 1.39 234 eP 37 20.73 -0.8
 eS 37 37.94
 PDB 1.54 257 ePc 37 22.16 -1.4
 SYI 1.67 202 ePd 37 24.19 -1.1
 LTI 1.69 93 ePc 37 23.66 -2.0
 CDD 1.74 226 ePc 37 25.18 -1.3
 KNIM 1.75 82 iPc 37 24.18 -2.3
 PLRM 1.76 35 eP 37 26.19 -0.5
 MTU 1.80 94 eP 37 25.34 -1.8
 SKT 1.83 355 iPd 37 27.53 -0.2
 KNK 1.85 46 eP 37 26.87 -1.1
 GHO 1.97 34 eP 37 29.07 -0.6
 GLI 2.17 69 ePc 37 29.54 -2.8

CUT 2.30 11 eP 37 34.42 0.3
 VZW 2.47 67 ePc 37 34.24 -2.4
 SCM 2.53 47 eP 37 36.68 -0.9
 KLU 2.92 60 iPc 37 41.08 -2.0
 40 obs. associated

JUN 06, 1991 23h 55m 23.27 ± 0.73s
 20.401 S ± 7.1km 68.878 W ± 8.1km
 DEPTH = 133.4 ± 8.2 km
 4.9mb (4 obs.)

CHILE-BOLIVIA BORDER REGION (124)

ANT 3.58 203 iPd 56 17.00 -1.3
 iS 56 56.00
 i 57 06.50
 CNCB 3.67 14 iPc 56 21.00 0.9
 LPB 3.92 11 Pc 56 23.10 -0.1
 1.0s 880.00nm
 CCH 3.96 41 Pc 56 23.20 -0.6
 ZOBO 4.17 10 iPc 56 26.80 0.0
 S 57 04.00
 ARE 4.64 327 eP 56 33.00 0.2
 SIV 8.62 61 iPc 57 22.10 -4.3X
 JACH 12.33 187 eP 58 30.00 14.6X
 PEL 12.79 187 iPd 58 30.50 9.1X
 1.0s 30.00nm 4.8mb
 ITB1 14.04 110 e(P) 58 38.00 0.5
 ITB 14.23 111 e(P) 58 41.00 1.0
 ITB7 14.35 112 e(P) 58 43.00 1.5
 PPD 16.46 99 eP 59 07.80 0.0
 e 59 09.10
 e 59 13.40
 BAO 20.41 80 iPc 59 50.80 -1.1
 VAO 20.52 101 eP 59 51.40 -1.5
 e 59 52.00
 i 59 52.60
 BMA 23.10 100 eP 00 18.80 0.5
 LIC 68.06 74 P 06 10.10 -0.7
 0.5s 5.50nm 4.7mb
 TIC 68.24 74 P 06 11.30 -0.7
 KIC 68.37 74 Pc 06 12.28 -0.5
 0.7s 21.50nm 5.1mb
 LKO 68.97 71 Pc 06 15.58 -0.9
 0.5s 15.00nm 5.1mb
 ASPA 130.90 208 ePKP 14 22.60 1.5
 1.3s 2.60nm
 WRA 133.91 211 PKP 14 28.00 1.1
 0.6s 2.60nm
 S.D. = 1.0 on 19 of 22 obs.

? JUN 07, 1991 00h 10m 46.54 ± 0.95s
 36.459 N ± 15.2km 26.995 E ± 8.0km
 DEPTH = 10.0km (geophysicist)

DODECANESE ISLANDS (369)

ARG 0.94 105 eP 11 04.00 -0.5
 eS 11 17.00
 YER 1.23 57 ePn 11 10.00 0.5
 CIN 1.43 37 eP 11 15.00 2.4X
 NPS 1.64 224 eP 11 16.10 0.6
 eS 11 37.00
 VLI 3.28 276 eP 11 38.40 -0.5
 S.D. = 1.1 on 4 of 5 obs.

* JUN 07, 1991 00h 13m 39.34 ± 1.21s
 6.053 N ± 15.7km 125.134 E ± 20.5km
 DEPTH = 105.7 ± 19.1 km
 5.1mb (9 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

DAV 1.12 23 iPc 14 01.90 0.2
 CGP 2.43 350 iPd 14 18.00 -0.2
 eS 14 57.00
 MAP 4.39 345 iPd 14 25.00 -20.0X
 KNA 21.96 171 eP 18 26.00 0.4
 0.8s 108.00nm 5.2mb
 NST 26.32 293 eP 19 09.00 1.9
 CHG 28.49 299 eP 19 27.10 0.2
 OIS 30.02 152 iPc 19 39.00 -1.4
 0.7s 17.00nm 4.9mb
 ASPA 30.75 164 iPc 19 45.70 -1.2
 0.6s 21.40nm 5.1mb
 WARB 32.08 177 eP 19 58.30 -0.1
 0.4s 15.00nm 5.1mb
 BJI 34.78 348 eP 20 45.00 23.4X
 FORR 36.80 176 eP 20 38.00 -0.6
 0.3s 13.00nm 5.3mb

BAL 37.33 192 eP 20 42.50 -0.7
 KLB 38.09 190 eP 20 49.00 -0.5
 0.4s 10.00nm 5.1mb
 NWA0 39.48 190 eP 21 01.40 0.3
 STK 40.86 158 iPc 21 12.50 0.2
 0.6s 13.30nm 4.9mb
 i 23 10.10
 ADE 42.76 164 iPc 21 28.60 0.6
 0.7s 143.84nm 5.9mb
 GUN 43.09 305 P 21 31.40 0.2
 PKI 43.35 304 P 21 33.00 -0.2
 KKN 43.53 304 P 21 32.20 -2.4
 GKN 44.14 304 P 21 39.30 -0.1
 BWA 45.88 153 iPc 21 54.60 1.7
 BFD 45.98 161 iPd 21 54.00 0.4
 CAN 46.89 153 iPc 22 01.60 0.7
 GBA 47.52 283 Pd 22 06.70 0.6
 0.6s 4.90nm 4.5mb
 S.D. = 1.0 on 22 of 24 obs.

JUN 07, 1991 00h 32m 18.11 ± 0.64s
 40.108 N ± 6.2km 20.648 E ± 6.9km
 DEPTH = 10.0km (geophysicist)

GREECE-ALBANIA BORDER REGION (392)

IGT 0.62 203 ePc 32 29.56 -1.1
 KEK 0.76 239 eP 32 33.10 0.1
 eS 33 12.50
 FNA 0.87 39 iPd 32 35.00 0.0
 eS 32 49.24
 KZN 0.88 77 eP 32 34.50 -0.6
 eS 33 17.00
 OHR 1.01 7 ePg 32 37.80 0.6
 eSg 32 53.20
 LIT 1.41 90 ePd 32 43.84 0.0
 GRG 1.58 57 ePd 32 45.60 -0.7
 eS 33 07.56
 AGG 1.69 129 ePc 32 48.92 1.0
 iS 33 09.00
 VLS 1.93 181 eP 32 52.00 0.7
 S.D. = 0.8 on 9 of 9 obs.

& JUN 07, 1991 01h 24m 48.42s
 57.939 N 153.702 W
 DEPTH = 46.1km
 KODIAK ISLAND REGION (13)
 <AEIC>. ML 3.6 (AEIC).

KDC 0.68 106 iPc 25 01.50 -0.2
 eS 25 14.40
 SYI 0.97 45 iPc 25 04.65 -1.1
 iS 25 17.27
 CDD 0.99 2 iPd 25 05.23 -1.0
 MCNL 1.29 345 iPd 25 09.36 -1.0
 eS 25 26.19
 AUI 1.41 6 iPd 25 11.09 -0.9
 eS 25 28.78
 AUE 1.43 7 iPd 25 11.76 -0.6
 AUH 1.44 5 iPd 25 11.72 -0.7
 XLV 1.84 33 eP 25 17.67 -0.4
 PDB 1.87 352 iPd 25 16.92 -1.6
 HOM 2.03 31 ePc 25 19.85 -0.9
 eS 25 43.74
 CNPM 2.05 38 ePc 25 19.42 -1.6
 S 25 45.13
 >NNL 2.45 30 ePc 25 25.32 -1.5
 RED 2.53 10 eP 25 25.97 -2.1
 RS2 2.58 10 eP 25 27.14 -1.7
 RSO 2.58 11 eP 25 27.18 -1.7
 RDW 2.59 10 eP 25 27.16 -1.9
 REF 2.61 11 ePd 25 27.27 -2.0
 RDN 2.63 10 ePd 25 27.93 -1.6
 S 25 59.38
 NCT 2.66 8 eP 25 27.56 -2.4
 DFR 2.71 11 ePd 25 28.68 -2.0
 RDT 2.73 14 iPd 25 28.58 -2.3
 S 25 59.74
 SEW 3.09 44 eP 25 32.52 -3.3
 SLKM 3.14 33 eP 25 33.33 -3.3
 SVW 3.33 344 eP 25 37.00 -2.3
 CKL 3.34 11 iPd 25 37.15 -2.4
 BGL 3.40 11 ePd 25 38.07 -2.3
 CRP 3.43 13 ePd 25 38.15 -2.7
 CGLM 3.49 14 ePd 25 39.05 -2.5
 NCG 3.56 12 eP 25 40.22 -2.4
 LTI 3.69 53 eP 25 40.85 -3.5
 MTU 3.75 54 eP 25 41.86 -3.3

07d 01h

SUA	3.84	22	eP	25	44.24	-2.4
KNIM	3.91	49	eP	25	43.66	-3.9
PMS	3.93	31	ePc	25	44.52	-3.3
PWA	4.19	26	eP	25	49.28	-2.2
SKT	4.20	14	ePd	25	48.32	-3.3
PLRM	4.33	30	eP	25	49.29	-4.1
PMR	4.33	30	eP	25	47.90	-5.5
KNK	4.38	35	eP	25	50.21	-4.0
GLI	4.48	46	eP	25	50.99	-4.6
GHO	4.54	30	eP	25	52.80	-3.6
SDN	4.57	238	(P)	25	55.50	-1.2
SML	4.73	33	eP	25	55.45	-3.6
CUT	4.80	19	eP	25	55.99	-3.9
VZW	4.80	46	eP	25	55.69	-4.4
VLZ	4.93	46	eP	25	57.92	-3.9
SCM	5.05	37	eP	25	59.47	-4.2
KLU	5.31	45	ePc	26	03.04	-4.3
HUR	5.44	20	eP	26	06.98	-2.1
TOA	5.63	39	eP	26	08.81	-3.0
TZL	5.85	42	eP	26	10.89	-3.9
GLB	6.12	51	ePc	26	14.19	-4.4
TGL	6.24	59	eP	26	16.04	-4.3
PAX	6.48	35	eP	26	20.35	-3.4
BALM	6.56	57	eP	26	20.24	-4.7
BCPM	7.55	69	eP	26	33.61	-5.0
PNL	7.63	71	iPc	26	34.43	-5.3
HQN	7.87	73	eP	26	37.29	-5.7

58 obs. associated

JUN 07, 1991 02h 54m 26.06±1.48s
 9.462 N ± 5.9km 126.425 E ± 13.0km
 DEPTH = 66.1 ± 13.1 km
 4.8mb (15 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

CGP	1.98	240	iPd	54	59.00	1.1
			eS	55	32.00	
DAV	2.50	200	eP	55	04.50	-0.8
MAP	2.56	290	iPc	55	07.00	1.0
	1.0s		45.00nm			
BAG	8.95	321	eP	56	34.20	-1.1
QIZ	18.66	302	eP	58	39.50	-1.9
E	14s		0.70um			
SSE	22.07	348	Pc	59	17.50	0.6
	1.4s		41.00nm			4.7mb
Z	20s		0.40um			3.8msz
N	10s		0.20um			

			esP	59	30.00	
			S	03	18.00	
			sS	03	33.00	

NJ2	23.55	344	Pd	59	32.00	0.7
WHN	23.81	333	Pc	59	36.20	2.4
	0.6s		30.00nm			4.9mb

KNA	25.16	175	eP	59	48.00	1.2
	0.9s		18.00nm			4.5mb

SNG	25.64	267	eP	59	55.20	3.9X
IPM	25.66	261	ePd	59	57.00	5.4X

TIA	27.94	344	eP	00	11.90	-0.3
CHG	28.19	292	eP	00	16.00	1.4
XAN	29.27	329	P	00	22.50	-1.8

WB2	30.24	165	eP	00	30.70	-2.3
	0.7s		2.60nm			4.1mb

BJI	31.79	345	eP	00	46.00	-0.3
	1.5s		35.00nm			4.9mb

SNY	32.33	356	eP	00	50.60	-0.4
QIS	32.53	157	iPc	00	51.70	-1.2
ASPA	33.73	168	eP	01	02.80	-0.6

	1.0s		5.00nm			4.4mb
MDJ	35.13	4	eP	01	15.50	0.3

WARB	35.43	180	eP	01	18.50	0.6
GTA	38.13	326	eP	01	40.80	0.1
	0.8s		10.00nm			4.8mb

Z	20s		0.40um			4.2msz
MRWA	39.75	194	eP	01	55.00	1.0
	0.4s		4.00nm			4.7mb

BAL	40.92	193	eP	02	04.00	0.4
GUN	42.31	301	P	02	15.46	-0.1
	0.8s		45.00nm			5.3mb

MUN	42.35	193	eP	02	15.00	-0.3
PKI	42.61	301	P	02	17.12	-0.9
	0.7s		16.00nm			4.9mb

KKN	42.78	301	P	02	17.22	-2.1
	1.0s		18.00nm			4.8mb
NWAO	43.05	191	eP	02	22.00	1.0

GKN	43.39	301	P	02	23.48	-0.6
	0.8s		14.00nm			4.8mb
GBA	48.12	280	Pc	03	02.50	0.9

INK	0.6s		5.50nm			4.7mb
MBC	84.98	22	eP	06	56.00	1.0
	86.46	13	eP	07	03.50	1.2
	0.9s		8.00nm			4.9mb
HFS	92.83	332	eP	07	32.30	-0.2
	1.5s		24.30nm			5.4mb
Z	17s		0.05um			4.0msz
			LR	45	59.00	
			S.D.	1.2	on 32 of 34 obs.	

& JUN 07, 1991 04h 09m 45.39s
 60.671 N 151.679 W
 DEPTH = 68.9km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>.

NKA	0.23	71	ePc	09	57.61	1.5
RDT	0.37	255	iPd	09	56.42	-0.8
			iS	10	05.93	
DFR	0.50	261	iPd	09	57.65	-0.8
			eS	10	07.50	
REF	0.54	251	iPd	09	58.17	-0.7
			eS	10	08.43	
RDN	0.56	254	iPd	09	58.09	-0.9
			eS	10	08.39	
RSD	0.57	249	iPd	09	58.51	-0.7
			eS	10	09.06	
RS2	0.57	249	iPd	09	58.52	-0.7
			iS	10	09.33	
RDW	0.59	252	iPd	09	58.62	-0.8
			eS	10	09.65	
RED	0.60	245	iPd	09	58.54	-0.8
			eS	10	09.28	

CKL	0.62	329	ePc	09	59.02	-0.6
			eS	10	10.17	
NCT	0.63	260	ePd	09	58.95	-0.8
			eS	10	09.73	
CRP	0.64	339	ePc	09	59.45	-0.5
			eS	10	11.02	
CGLM	0.66	346	ePc	09	59.38	-0.7
			eS	10	10.99	

NNL	0.66	163	ePd	10	00.36	0.4
BGL	0.69	330	eP	09	59.88	-0.5
SLKM	0.74	102	ePc	10	00.35	-0.6
NGC	0.77	343	iPc	10	00.82	-0.6
			eS	10	13.39	

SUA	0.92	29	iPc	10	02.79	-0.4
			eS	10	16.69	
HOM	1.02	179	ePd	10	04.02	-0.3
CNPM	1.17	169	iPd	10	05.56	-0.8
			eS	10	21.50	

PMS	1.18	60	iPc	10	06.15	-0.4
			eS	10	22.34	
SEW	1.25	116	eP	10	06.83	-0.4
PWA	1.31	41	ePc	10	08.35	0.2
SKT	1.32	3	ePc	10	07.66	-0.6
			eS	10	24.45	

PDB	1.54	236	ePd	10	09.25	-2.0
			iS	10	28.32	
PLRM	1.54	52	eP	10	10.49	-0.8
AUE	1.57	214	eP	10	10.47	-1.1
GHO	1.73	49	ePc	10	12.82	-1.2
KNK	1.74	63	ePc	10	12.76	-1.2
			eS	10	34.31	

CUT	1.87	21	eP	10	15.54	-0.2
KNIM	1.98	98	iPd	10	14.72	-2.6
			iS	10	38.49	
SML	1.98	53	eP	10	16.00	-1.4
MCNL	2.00	223	eP	10	15.70	-1.9
LTJ	2.00	107	eP	10	15.21	-2.4
CDD	2.01	210	ePc	10	16.38	-1.4
SYI	2.10	190	eP	10	17.81	-1.1
SCM	2.40	59	ePc	10	21.71	-1.6
VLZ	2.65	78	ePd	10	24.28	-2.4
KLU	2.92	71	ePc	10	28.10	-2.4

39 obs. associated

? JUN 07, 1991 04h 13m 56.63±4.54s
 18.210 N ± 28.4km 67.237 W ± 33.2km
 DEPTH = 29.3 ± 14.3 km
 MONA PASSAGE (89)

MGP	0.25	145	P	14	03.30	0.0
			S	14	09.30	
LRS	0.38	77	P	14	05.20	0.0
			S	14	12.20	
PORP	0.59	105	P	14	08.20	-0.3

CLLP	0.64	102	P	14	09.60	0.3
			S	14	18.11	
LPR	1.30	85	P	14	19.00	0.0
	S.D.	0.4	on 5 of 5 obs.			

% JUN 07, 1991 04h 30m 37.85±0.72s
 44.222 N ± 5.9km 8.199 E ± 5.8km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.1 (GEN).

FIN	0.01	153	P	30	39.80	0.0
			S	30	40.72	
ROB	0.25	287	P	30	43.49	0.4
			S	30	47.49	
IMI	0.38	216	P	30	45.95	0.2
			S	30	51.90	
PCP	0.40	38	P	30	46.05	-0.1
			S	30	52.21	
STV	0.63	272	P	30	49.76	-0.8
			S	30	59.08	
PZZ	0.84	290	P	30	54.15	0.0
			S	31	04.22	
BHB	0.91	313	P	30	55.61	0.3
			S	31	06.99	
	S.D.	0.5	on 7 of 7 obs.			

* JUN 07, 1991 04h 56m 21.34±2.18s
 9.467 N ± 10.2km 126.277 E ± 18.1km
 DEPTH = 76.9 ± 17.9 km
 4.7mb (9 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

CGP	1.86	237	iPc	56	18.00	-33.8X
			eS	57	09.00	
MAP	2.42	291	ePd	56	59.50	0.1
			eS	57	33.50	
PPR	7.45	273	ePc	58	09.00	-0.5
SSE	22.04	348	eP	01	11.70	0.9
	1.2s		17.00nm			4.3mb
			i	01	16.80	

WB2	30.29	165	eP	02	27.80	0.2
	0.2s		2.50nm			4.6mb
ASPA	33.76	167	eP	02	55.90	-2.0
	0.3s		4.80nm			4.9mb

WARB	35.44	179	eP	03	13.10	1.0
	0.3s		25.00nm			5.6mb
MRWA	39.72	194	eP	03	49.00	1.1
	0.4s		3.00nm			4.6mb

	0.3s	25.00nm			5.6mb
MRWA	39.72	194 eP	03	49.00	1.1
	0.4s	3.00nm			4.6mb

07d 08h

MSU 1.12 226 eP 19 45.30 -0.6
 DAU 1.12 356 eP 19 45.80 -0.2
 DUG 1.57 306 eP 19 53.50 0.6
 ANMO 5.73 138 e(P) 20 50.00 -2.2
 ALO 5.73 138 eP 20 52.00 -0.3
 5 obs. associated

% JUN 07, 1991 09h 13m 05.89±0.80s
 39.084 N ± 6.3km 27.577 E ± 8.5km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 MD 2.9 (ISK).

IIZM 0.73 200 iP 13 20.00 -0.2
 DST 0.97 57 iPn 13 24.90 0.6
 EZN 1.22 308 ePn 13 29.10 0.5
 EDC 1.28 10 ePn 13 29.50 -0.1
 BNT 1.30 12 ePn 13 29.30 -0.6
 KGT 1.38 351 ePn 13 31.30 0.1
 MFT 1.72 352 ePn 13 35.80 -0.2

S.D. = 0.5 on 7 of 7 obs.

% JUN 07, 1991 11h 11m 55.17±0.97s
 19.217 N ± 11.6km 97.494 W ± 6.9km
 DEPTH = 10.0km (geophysicist)

VERA CRUZ, MEXICO (525)

IISM 0.25 154 iP 12 00.50 0.0
 IIT 0.79 256 iP 12 09.50 -1.3
 PPM 1.08 262 iP 12 16.50 0.6
 LVVM 1.11 62 iP 12 16.00 0.0
 ILL 2.05 246 eP 12 31.00 0.7
 OXX 2.25 161 eP 12 29.50 -3.7X

S.D. = 1.1 on 5 of 6 obs.

JUN 07, 1991 11h 20m 03.76±0.38s
 9.235 S ± 8.0km 159.214 E ± 5.7km
 DEPTH = 31.8km (4 depth phases)
 4.9mb (9 obs.)

SOLOMON ISLANDS (193)
 Felt (III) at Honiara.

VSG 0.49 92 iP 20 13.50 -0.7
 SVO 0.60 82 iP 20 16.50 0.6
 HNR 0.75 105 iP 20 16.50 -1.5
 LAT 12.37 281 iPc 23 00.40 -0.1
 DZM 14.53 152 iPd 23 31.10 1.9
 RMO 19.82 209 iPd 24 32.90 -1.9
 WB2 26.27 243 iPd 25 37.70 -0.6

0.6s 3.80nm 4.2mb

STK 27.84 213 eP 25 53.70 1.2
 ASPA 28.13 236 eP 26 01.90 6.7X

1.2s 8.50nm 4.3mb

CN2 61.03 333 eP 30 16.60 -0.1
 GYA 62.13 306 P 30 25.00 0.4

Z 14s 0.80um 5.0mszX

CHG 65.63 295 eP 30 47.50 0.0
 CD2 66.44 309 eP 30 52.60 0.1
 LZH 68.84 314 eP 31 06.00 -1.7

1.5s 28.00nm 5.1mb

GTA 73.23 316 eP 31 34.80 0.8
 YAK 74.65 346 eP 31 41.70 0.2
 SVW 78.54 21 ePc 32 04.70 1.3

1.0s 22.00nm 5.1mb

SLKM 80.11 23 ePc 32 11.90 0.0
 PMR 81.21 22 ePc 32 17.70 0.1

0.7s 11.63nm 5.0mb

WMO 83.31 316 P 32 29.50 0.5
 BALM 83.56 25 e(P) 32 30.00 0.0
 FBA 83.73 20 ePc 32 30.00 -0.6

0.7s 14.53nm 5.2mb

ipP 32 40.30 33km
 esP 32 44.60
 S.D. = 1.0 on 21 of 22 obs.

JUN 07, 1991 11h 28m 23.36±0.31s
 8.550 N ± 4.5km 126.815 E ± 8.4km
 DEPTH = 29.6km (6 depth phases)
 5.1mb (24 obs.) 4.0msz (3 obs.)
 MINDANAO, PHILIPPINE ISLANDS (259)

DAV 1.90 220 eP- 28 57.00 2.6
 MAP 3.31 302 iPd 29 17.00 2.7
 MNI 7.33 196 ePd 30 13.00 1.8
 BAG 9.90 323 eP 30 46.80 -0.2
 QIZ 19.48 304 eP 32 49.80 -1.3

N 14s 0.60um
 E 17s 1.20um

MTN 21.68 169 eP 33 12.50 -1.4
 SSE 23.04 348 eP 33 28.00 0.9

1.0s 10.00nm 4.3mb

Z 20s 0.60um 4.0msz
 N 12s 0.20um
 E 13s 0.30um

pP 33 36.00 29km
 sP 33 40.50

KNA 24.22 175 iPc 33 39.40 0.7
 NJ2 24.53 344 Pc 33 40.00 -1.6

Z 18s 0.30um 3.8msz

IPM 25.92 263 ePc 33 59.10 4.2X
 GYA 26.13 315 P 34 02.00 5.1X

CHG 28.89 294 eP 34 22.00 0.0
 WB2 29.27 165 iPc 34 23.90 -1.5

0.6s 6.40nm 4.5mb

MAT 29.73 19 (P) 34 26.00 -3.4X
 XAN 30.25 330 eP 34 32.50 -1.5

MBL 30.31 193 eP 34 33.40 -1.2
 QIS 31.54 157 iPc 34 44.00 -1.5

TIY 31.81 338 eP 34 52.00 4.2X
 Z 22s 0.65um 4.3msz
 N 20s 0.91um

ASPA 32.76 168 eP 34 55.20 -0.9
 BJI 32.77 345 eP 34 55.00 -0.9

SNY 33.27 356 Pd 35 00.50 0.3
 1.0s 40.00nm 5.3mb

LZH 34.49 326 eP 35 15.00 3.8X
 2.0s 36.00nm 5.0mb

WARB 34.52 180 eP 35 11.20 -0.1
 0.4s 13.00nm 5.2mb

HHC 34.91 340 eP 35 15.00 0.4
 CN2 35.14 358 eP 35 15.80 -0.5

MDJ 36.01 3 Pd 35 25.00 1.2
 1.0s 60.00nm 5.5mb

MRWA 38.97 195 eP 35 49.00 0.2
 0.4s 4.00nm 4.5mb

GTA 39.10 326 eP 35 49.00 -0.9
 1.0s 10.00nm 4.5mb

FORR 39.19 178 eP 35 50.00 -0.6
 BAL 40.12 194 eP 35 58.00 -0.3

KLB 40.84 192 eP 36 03.50 -0.7
 MUN 41.55 194 eP 36 10.00 0.0

NWAO 42.24 192 eP 36 16.00 0.3
 STK 42.61 161 eP 36 18.40 -0.3

1.0s 2.70nm 3.9mb X
 GUN 43.11 302 P 36 23.96 0.6

0.8s 47.00nm 5.3mb

PKI 43.40 301 P 36 25.70 0.0
 0.6s 20.00nm 5.1mb

KKN 43.58 302 P 36 26.60 -0.4
 0.9s 38.00nm 5.2mb

RKG 43.88 192 eP 36 30.00 1.0
 GKN 44.19 302 P 36 31.28 -0.6

1.0s 29.00nm 5.1mb

WMO 48.90 323 eP 37 06.50 -2.2
 pP 37 16.00 32km

DZM 49.35 129 iPc 37 12.90 0.4
 SVW 76.55 29 P 40 14.30 1.9

0.8s 31.03nm 5.4mb

SLKM 79.15 30 P 40 27.40 0.7
 pP 40 36.80 30km

PMR 79.71 29 P 40 30.30 0.7

0.8s 24.83nm 5.3mb
 pP 40 40.20 31km

FBA 80.36 26 P 40 33.60 0.5
 0.7s 11.63nm 5.0mb

BALM 82.99 29 P 40 48.20 1.1
 KEV 85.42 340 eP 41 03.00 4.0X

INK 85.68 22 ePd 41 02.10 1.8
 SOD 86.07 338 eP 41 04.00 1.7

MBC 87.26 13 ePd 41 09.50 1.5
 1.0s 21.00nm 5.3mb

KAF 87.39 332 eP 41 07.30 -1.5
 0.9s 8.20nm 5.0mb

NUR 88.55 331 iP 41 13.10 -1.3
 0.7s 18.70nm 5.5mb

HFS 93.81 333 eP 41 36.80 -2.0
 0.7s 5.40nm 5.1mb

NB2 94.53 334 P 41 40.90 -1.3
 0.9s 3.60nm 4.8mb

YKA 95.10 24 eP 41 45.40 0.7
 0.9s 4.60nm 4.9mb

NEW 100.40 38 Pd diff 42 10.00 1.0
 0.6s 8.27nm 5.4mb

S.D. = 1.2 on 50 of 56 obs.

JUN 07, 1991 11h 51m 25.97±0.25s
 7.204 S ± 3.0km 122.533 E ± 4.0km
 DEPTH = 536.4 ± 3.4 km
 6.2mb (63 obs.)

FLORES SEA (279)

Mo=3.0*10**18 Nm (PPT). Two events about 5.5 seconds apart observed on broadband displacement seismograms. The magnitude of the first event was computed at mb 4.9.

FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=315 Dip=90 Slip= 123

NP2: 45 33 360
 Principal Axes:

T P1g=36 Azm=254
 P 36 16

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.

RADIATED ENERGY
 No. of sto: 8 Focal mech. F

Energy 3.5±1.0*10**14 Nm
 MOMENT TENSOR SOLUTION

Dep 508 No. of sto: 8
 Moment Tensor; Scale 10**19 Nm

Mrr= 0.59 Mtt=-1.90
 Mff= 1.31 Mrt=-1.31

Mrf= 1.71 Mtf= 0.38
 Principal axes:

T Vol= 2.77 P1g=41 Azm=260
 N 0.00 36 131

P -2.76 28 18
 Best Double Couple:Mo=2.8*10**19

NP1:Strike= 57 Dip=37 Slip= 13
 NP2: 317 82 126

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN

L.P.B.: 22S, 60C
 Centroid Location:

Origin Time 11:51:35.9 0.2
 Lat 7.07S 0.02 Lon 122.43E 0.02

Dep 535.4 1.1 Half-duration 10.2
 Moment Tensor; Scale 10**19 Nm

Mrr= 0.19 0.03 Mtt=-1.38 0.03
 Mff= 1.19 0.04 Mrt=-1.10 0.03

Mrf= 1.66 0.03 Mtf= 0.23 0.03
 Principal Axes:

T Vol= 2.49 P1g=38 Azm=260
 N -0.21 33 139

P -2.28 34 23
 Best Double Couple:Mo=2.4*10**19

NP1:Strike= 55 Dip=34 Slip= 5
 NP2: 320 87 123

KUPT 3.11 160 ePd 52 40.50 -0.7
 MKS 3.63 303 iPd 52 49.00 4.3X

iS 53 50.60
 AAI 6.63 59 ePc 53 11.50 0.8

eS 54 33.00

07d 11h

BKB2	8.15	316	iPd	53	30.00	4.3X			pP	58	40.00	XAN	43.00	343	Pd	58	38.40	-1.1	
			iS	53	33.20				S	01	35.00		1.0s	2300.00nm				6.7mb	
MNI	8.89	15	iPd	53	35.00	1.7	RMO	31.46	131	eP	57	05.60	TIA	43.48	354	Pd	58	41.80	-1.4
			eS	54	02.00				i	58	37.00		9.0s	*****nm				6.4mb X	
TRT	9.83	266	iPc	53	41.00	-1.9			i	01	45.30				PcP	00	24.70		
			eS	55	09.30				i	02	40.00				S	04	33.00		
MTN	10.15	124	iPc	53	46.70	0.4	NST	31.76	316	eP	57	09.00	SEO	44.73	5	P	59	05.00	12.2X
	0.3s					5.6mb			e	59	51.00	DZM	44.80	114	iPc	58	54.20	0.4	
KNA	10.46	145	iPd	53	49.70	0.3			e	02	45.00				iS	00	35.50		
TSM	12.19	338	ePc	54	10.90	3.8X	QZH	32.18	353	P	57	10.00	TIIY	45.67	349	Pd	58	58.80	-1.4
	1.0s					7.1mb		0.6s					1.0s		1080.00nm			6.3mb	
MBL	14.12	190	iPd	54	27.10	0.4			S	01	48.00				PP	00	51.50		
DAV	14.52	12	eP+	54	30.80	0.1			ScS	06	42.00				iS	05	02.50		
			e	05	22.10		ANP	32.21	358	iPd	57	14.00				ScS	08	01.00	
KKM	14.59	334	ePc	54	33.10	1.6			iS	01	48.00	BKM	45.72	108	iPd	59	07.50	6.7X	
			e	55	44.00				iS	01	48.00	PVC	45.80	108	iPd	59	08.10	6.7X	
			e	57	03.60		KHT	32.26	313	iPc	57	13.00				iS	05	09.72	
CGP	15.70	8	iPc	54	44.00	1.6	CMS	32.51	141	eP	57	14.00	DL2	45.88	359	P	59	00.00	-1.7
NANU	16.69	203	iPc	54	53.10	1.0			i	57	20.50		6.0s		*****nm			6.6mb X	
WRA	17.08	139	P	54	56.30	0.5			ePP	58	50.00				ScP	03	35.50		
WB2	17.08	139	iPc	54	56.60	0.7			eS	04	31.00				S	05	04.00		
	0.7s					6.4mb	CHG	34.78	318	eP	57	33.70	MAJO	45.93	18	ePd	59	01.35	-0.8
PPR	17.29	347	eP	55	00.00	2.1		0.8s							id	59	06.32		
			eS	56	03.00				eS	02	24.00				iScP	03	35.40		
MAP	17.47	5	iPd	55	00.00	0.4	BFD	34.95	152	eP	57	34.00				iS	05	09.72	
WARB	19.28	169	iPc	55	17.40	0.4			eP	57	34.00				eScS	08	03.60		
ASPA	19.68	148	iPd	55	21.10	0.3		0.5s					MAT	45.93	18	iPd	59	00.30	-1.9
	0.5s					7.2mb X	COO	36.01	134	eP	57	45.00	Z	20s		8.16um		5.7msz	
			e	58	34.70		BWA	36.10	142	eP	57	47.50				eS	05	10.00	
MEKA	19.68	191	eP	55	19.00	-1.7			i	57	52.40	LZH	46.51	339	ePd	59	07.25	0.5	
PGP	20.63	356	iPc	55	30.00	0.4													

MDJ	51.97 1.2s	6 400.00nm	pP	01	26.00	569kmX	KSH	63.29	321	e	06	28.00	VAH	87.98	105	iP	03	25.30	4.9X																	
			PP	01	47.00					iS	08	34.00				TPT	88.02	105	iP	03	25.60	5.0X														
			S	06	18.00					isS	09	52.00				RUV	88.22	105	iP	03	26.40	4.9X														
			ScS	08	34.00					esScS	11	46.00				CIR	88.34	249	iPc	03	24.40	2.4														
			ePd	59	45.49	-1.6				eSS	12	24.00							ipP	03	29.50	16kmX														
					5.7mb					eSSS	15	32.00							iPP	05	25.90															
			id	59	51.01					Pd	01	08.50				4.3X				i	07	01.50														
			PP	01	54.00					pP	02	57.00				532kmX				i	10	00.00														
			ScP	04	00.00					iS	09	01.00								iSS	13	33.50														
			iS	06	33.92					eP	01	15.00				1.1	SDN	88.54	34	eP	03	22.50	0.4													
SAP	52.86	17	eScS	08	46.34		AFI	64.76	102	e	03	12.00	SDN	88.54	34	eP	03	28.10	6.0X																	
			eP	59	53.00	-0.5				iPd	01	19.69				5.8X	88.54	34	eP	03	25.00	0.4														
			eS	06	44.00					e	03	02.65				MTD	88.85	253	iPd	03	29.80	15kmX														
MSZ	54.23	141	P	00	04.60	1.4	YAK	69.24	4	e	03	51.65																								
			e	00	09.10					iS	09	20.46																								
			e	00	15.50					i	10	32.19																								
			e	01	03.10					iPd-	01	40.00								-0.3																
POO	54.40	299	e	01	52.20		CRZF	71.51	223	iPcP	01	59.00																								
			e	02	03.90					iP	03	35.00								556kmX	ANM	88.89	24	eP	03	24.40	0.8									
			e	04	10.50					iPP	04	21.00								ANM				88.89	24	eP	03	29.10	5.5X							
			iPc	59	58.60	-6.2X				iPPP	06	09.00								BFT				89.15	244	iPc	03	26.50	0.5							
			iS	06	54.00					iS	10	01.00								PTZ				89.40	256	iP	03	26.50	-0.6							
			eP	00	01.60	-3.6X				eScS	10	45.00														i	03	31.00								
			eS	01	44.00					iS	13	25.00														i	03	31.20								
			eP	00	09.70	-0.5				iSS	14	27.00														i	05	28.00								
			e	00	13.80					iSS	18	01.00														i	07	10.60								
			iPc	00	19.30	7.3X				iPc	02	00.00														6.0X	i	13	11.20							
iS	07	07.30		eS	10	49.00		i	13	38.00																										
VUN	55.44	107	eP	00	01.15	-11.0X	MAW	72.11	200	iPd	01	57.60	0.5	NVL	89.93	198	iPc+	03	29.00		0.6															
SVA	55.45	107	eP	00	11.50	-0.6				1.0s	548.00nm	6.0mb	ePcP				03	46.00																		
THZ	56.21	136	P	00	17.40	0.2	SMY	73.97	30	eP	02	09.00	1.2																							
			e	00	22.60					0.8s	340.23nm	5.9mb X	epP							03	58.00	110kmX														
NDI	56.39	311	iPc	00	20.00	1.5	SMY	73.97	30	eP	02	14.80	7.0X																							
			0.6s	446.67nm	6.0mb	SBA				74.20	171	iPd	02							10.10	1.3	e	05	36.00												
						iS				11	07.20		e							05	45.00															
DIW	56.56	135	ipp	02	10.00		DHR	77.61	299	iPc	02	38.00	9.6X																							
			iS	07	24.00					iS	11	36.00								e	05	56.00														
			eP	00	20.50	1.0				ADK	78.32	34	e(P)							02	31.30	-0.3	ePP	06	24.00											
			e	00	24.60					0.9s	1.00nm	3.2mb X	e							07	16.00															
MOZ	56.83	138	eP	00	21.70	0.4	ADK	78.32	34	eP	02	35.80	4.2X																							
			e	00	26.50					1.0s	29.90nm	4.7mb X	ePPP							08	12.00															
			P	00	25.00	3.5X				TEH	79.14	308	eP							02	41.00	4.5X	e	08	58.00											
YSS	56.88	16	eP	00	21.60	-0.2	IR4	79.37	308	ePc	02	38.50	0.8																							
			e	00	26.80					IR1	79.59	308	ePc							02	39.50	0.7	eS	13	53.00											
KHZ	56.91	137	e	01	13.90		IR5	79.62	308	eP	02	40.50	1.5																							
			e	00	23.30	-1.0				IR7	79.73	308	ePc							02	39.50	-0.1	ePS	14	13.00											
			P	00	28.60					RYD	80.35	297	iPc							02	42.00	-0.9	e	14	38.00											
			e	01	16.50					iS	12	10.00								e	15	24.00														
KIW	57.28	134	P	00	24.30	-0.1	KMSA	81.38	292	ePc	02	49.00	0.8																							
			e	00	28.90					eS	12	15.00								e	16	04.00														
			S	00	29.00	4.3X				KER	82.15	306	ePd							02	54.50	2.5	eSS	17	38.00											
WEL	57.33	135	ABHA	82.62	289	iPc	03	04.00	9.3X	GAZ	90.59	307	eP	03	38.00	6.0X																				
			SPA	82.84	180	iPd	02	55.00	0.1				KRI	90.72	253	iPd	03	33.00	-0.2																	
				1.1s	175.00nm	5.5mb										ipP	03	37.80	15kmX																	
			Z	20s	6.76um	6.0msz										iPP	05	35.00																		
			KIP	82.88	67	iPd	03	03.05	7.4X								i	07	17.90																	
				1.0s	23.00nm	4.7mb X	SLR	90.72	244							iPd	03	32.00	-1.1																	
Z	17s	6.12um	6.0mszX	1.0s	23.00nm	5.1mb X																														
MNG	57.60	134	e	04	55.28		SLR	90.72	244	iPc	03	36.76	3.7X																							
			e	05	45.61					ePP	07	17.40																								
			iS	12	39.77					eHPP	07	19.05																								
TTH	58.21	132	ePc	02	59.50	2.8X	HSHJ	90.81	300	P	03	39.10	5.7X																							
			eS	12	40.00					SEK	90.92	241	iPd	03	34.20	0.2																				
HBZ	58.73	130	P	03	01.30	1.8																														
			e	00	40.10													0.9s	264.71nm	6.2mb																
PUZ	58.83	130	eP	00	34.40	-0.7																														
			e	00	39.70													MKRJ	91.08	302	P	03	39.40	4.8X												
WMO	59.77	331	P	00	41.40	0.3	AAE	85.01	280	eP	03	14.20	7.5X	SHMJ	91.14	303	P	03	41.00	6.3X																
			0.9s	300.00nm	5.7mb	TBI				85.36	113	iP	03				11.50	3.7X	HOL	91.29	299	iPd	03	41.00	5.6X											
DRV	60.58	172	iS	08	15.00		NAI	85.61	269	PKP	03	11.00	1.5	BHL	91.39	304	Pc	03	40.00	4.1X																
			P	02	24.00					0.7s	370.00nm	6.2mb	S				13	22.00																		
IRK	61.26	347	PP	02	24.00		E	16s	4.88um																											
			S	08	27.00															PP	05	02.00	KSR	91.93	244	iPc	03	37.50	-1.2							
			eP-	00	50.00	-0.7														e	06	28.00				1.0s	450.00nm	6.5mb								
			i	00	54.00															PKS	13	02.00							i	03	43.00					
			e	01	00.00															iP	03	14.10				4.7X	KVT	92.04	311	eP	03	41.40	2.7X			
			e	01	11.00															iP	03	15.00				4.8X	BLF	92.04	240	eP	03	37.70	-1.5			
			e	01	18.00															1.0s	580.00nm	6.6mb				i				03	43.40					
			pP	01	39.50	215kmX														PPT	85.86	107				iP	03	15.30	5.0X	LSZ	92.29	254	iP	03	40.00	-0.4
			e	02	46.00															PPN	86.00	107				iP	03	16.00	5.0X				i	03	45.00	
			ePP	03	12.00															TVO	86.14	107				iP	03	16.80	5.0X				i	03	46.50	
e	03	31.00		JOZ	87.13	243	eP	03	10.50	-5.8X				i	05	50.00																				
ePPP	04	16.00		1.0s	220.00nm	5.9mb				i	07	28.00																								
e	04	43.00								e	13	08.00																								
eScP	05	06.00								i	13	29.00																								
PMO	87.75	105	iP	03	24.30	5.0X	SVW	92.32	29	eP	03	39.80	0.2																							

07d 12h

SVW	1.1s	2.80nm	4.2mb X	eSKKS	14	27.18		e	04	52.90		
	92.32	29 eP	03 44.70	iSDIF	14	46.71		e	06	32.00		
	1.0s	520.00nm	6.5mb	e	16	24.00		i	15	35.00		
HVD	92.39	239 iPd	03 47.20	e	18	20.00		UPP	103.67	330 iPd	04 33.90 3.4X	
	1.0s	460.00nm	6.5mb	e	21	46.00			1.0s	100.00nm	6.6mb	
AKSR	92.40	293 iPc	03 45.00	BALM	98.74	29 eP	04 13.70 4.9X		i	09	04.00	
TTA	92.48	27 eP	03 40.50	BALM	98.74	29 eP	04 08.80 0.0		iS	15	30.00	
	1.1s	60.94nm	5.6mb X	SOD	98.88	337 iP	04 08.50 -0.6		LSK	103.72	309 ePd	04 36.00 4.6X
TTA	92.48	27 eP	03 46.00					PHP	103.78	311 ePd	04 35.20 3.7X	
ASW	92.57	294 iPc	03 47.00	VRI	99.16	315 ePc	04 14.50 3.6X	PSZ	103.78	317 ePd	04 36.30 4.8X	
		eS	07 38.00	JMB	99.20	312 iP	04 15.00 3.9X	VLS	103.80	307 ePd	04 36.00 4.3X	
FRS	92.68	240 iPc	03 42.50	KAF	99.24	332 eP	04 15.00 4.2X	IGT	103.95	309 ePd	04 37.38 5.0X	
	1.0s	40.00nm	5.5mb	EZN	99.33	309 eP	04 15.10 3.4X	TIR	104.23	311 ePd	04 38.50 5.0X	
AKRL	92.69	293 iPc	03 50.00	PRK	99.35	309 eP	04 16.00 4.2X	LACI	104.33	311 ePd	04 39.20 5.3X	
ANAL	92.69	293 iPc	03 48.00	BUC1	99.64	314 ePc	04 20.00 7.0X	KEK	104.36	309 ePd	04 38.00 3.9X	
PDB	92.79	30 eP	03 50.70					UZD	104.78	316 e(Pd	04 43.00 7.2X	
PDB	92.79	30 eP	03 56.00	MLR	99.71	315 iPd	04 17.00 3.5X	SRO	104.85	317 iPd	04 42.20 6.1X	
PDB	92.79	30 eP	03 41.30	NPS	99.75	304 eP	04 18.00 4.3X		i	08	46.90	
PDB	92.79	30 eP	03 46.50	RDO	99.96	310 eP	04 18.00 3.5X	HFS	105.56	331 ePd	04 42.00 3.1X	
AGMR	92.83	293 iPc	03 49.00	DIM	99.97	311 eP	04 19.00 4.5X		0.8s	20.70nm	6.1mb	
FAM	92.88	305 e(P)	03 47.00	KDZ	100.05	311 iPd	04 15.00 0.0	Z	19s	7.94um	6.3Msz	
KIM	93.32	241 iPd	03 48.80	NUR	100.11	330 iPd	04 19.30 4.6X					
	0.7s	195.21nm	6.3mb		0.8s	45.60nm	6.0mb	ZST	105.62	318 ePd	04 33.90 -5.6X	
KDC	93.36	32 P	03 45.00		Z	18s	5.50um					
KDC	93.36	32 eP	03 50.00									
	0.9s	31.25nm	5.4mb									
CSS	93.42	305 eP	03 49.50									
RSO	93.61	30 eP	03 44.90									
RSO	93.61	30 eP	03 49.70									
KAS	93.78	311 eP	03 51.50					KSP	105.80	321 ePd	04 47.10 6.8X	
IMA	94.01	24 eP	03 47.80						1.3s	103.00nm	6.6mb	
	0.8s	20.69nm	5.3mb X									
IMA	94.01	24 eP	03 52.50	PVL	100.13	313 iPd	04 21.00 5.8X	VKA	106.13	318 ePd	04 54.00 12.2X	
KOT	94.15	300 eP	03 52.50	CMF	100.35	315 ePd	04 22.00 5.8X	VKA	106.13	318 iPKPc	08 56.90 6.4X	
PPCY	94.22	304 eP	03 52.50	RZN	100.58	311 iPd	04 19.00 1.4		6.5s	1310.00nm		
SNA	94.30	196 iPc	03 49.30	PLD	100.59	311 ePd	04 20.00 2.7X					
	0.9s	384.87nm	6.6mb	TNR	100.88	315 ePd	04 24.00 5.4X					
HLW	94.57	299 eP+	03 55.50	DRA	100.91	314 ePd	04 34.00 15.3X	NB2	106.52	332 Pd	04 46.20 2.9X	
		ePP	06 51.00	KBS	100.94	349 ePd	04 20.00 1.9		0.8s	12.90nm	5.9mb	
		ePPP	08 32.50	PGB	100.99	312 ePd	04 19.00 -0.2	HVAR	106.62	313 iPKPc	08 56.80 5.2X	
		eS	13 41.00	MMB	101.32	311 ePd	04 24.00 3.3X					
KMZ	94.81	256 iPc	03 57.00	WIN	101.33	245 iPd	04 26.50 5.2X	ZAG	106.66	316 iPd	04 49.40 5.2X	
		i	07 54.00		1.0s	90.00nm	6.3mb	ZAG	106.66	316 iPKP	08 57.00 5.4X	
SLKM	94.86	30 eP	03 49.70	PAIG	101.36	309 ePd	04 24.42 3.6X	PTJ	106.67	316 ePd	04 49.50 5.2X	
SLKM	94.86	30 eP	03 55.80	BMR	101.37	317 ePd	04 26.00 5.4X	PTJ	106.67	316 iPKP	08 57.00 5.3X	
PMR	95.49	29 eP	03 53.10	SRS	101.43	310 ePd	04 25.22 4.1X	TDS	107.03	309 PKP	08 58.80 6.3X	
	0.8s	1.00nm	4.1mb X	TRO	101.44	340 ePd	04 23.00 2.6X	GRI	107.03	308 PKP	08 58.30 5.8X	
Z	22s	10.75um	6.3Msz	SOH	101.61	310 ePd	04 24.90 2.9X	CSI	107.05	309 Pd	04 52.40 6.3X	
		pP	05 58.00	VTS	101.70	312 ePd	04 26.00 3.6X	VBY	107.20	315 ePd	04 52.00 5.4X	
PMR	95.49	29 eP	03 57.80	KKB	101.80	311 iPd	04 25.00 2.3X					
	1.0s	175.00nm	6.2mb	INK	101.80	22 ePd	04 22.00 -0.1	CZI	107.22	309 Pd	04 53.20 6.4X	
BCK	95.87	307 iP	04 00.00	INK	101.80	22 ePd	04 27.00 4.9X	MMN	107.27	309 Pd	04 54.00 7.0X	
COL	96.33	25 iPd	04 01.41		0.9s	118.00nm	6.5mb	SOI	107.37	308 PKP	09 00.00 6.9X	
		e	05 55.30					DAG	107.43	351 iPd	04 51.70 4.8X	
		e	06 46.29						0.9s	77.31nm	6.6mb	
		ePP	07 55.12	KNT	101.95	310 ePd	04 27.46 4.0X	MGR	107.58	310 PKP	08 58.97 5.5X	
FBA	96.33	25 eP	03 56.30	VLI	101.95	306 ePd	04 27.00 3.5X	KMR	107.61	318 iPKP	08 38.30 -15.0X	
	0.7s	2.40nm	4.6mb X	CEI	102.07	317 ePd	04 20.00 -3.7X					
FBA	96.33	25 eP	04 01.30	VAY	102.19	311 iPd	04 28.00 3.5X					
	0.9s	237.50nm	6.5mb	LIT	102.28	309 ePd	04 28.86 3.9X	LJU	107.63	316 ePd	04 53.80 5.3X	
ELL	96.36	306 iP	04 03.30	GRG	102.33	310 ePd	04 29.78 4.6X	SGO	107.73	310 PKP	08 59.90 6.2X	
ALT	96.36	308 iP	04 03.40	AGG	102.42	308 ePd	04 29.14 3.6X	CLL	107.77	322 ePd	04 54.00 5.0X	
KHL	96.77	308 iP	04 03.20	SIT	102.61	33 ePd	04 31.50 5.6X		1.8s	29.00nm	5.9mb	
HRT	96.82	310 iP	04 04.50	KZN	102.82	310 ePd	04 08.00 -19.4X	CLL	107.77	322 iPKP	08 52.60 -0.9	
GBZT	96.99	310 eP	04 06.00	SKO	103.02	311 ePd	04 32.00 3.8X		1.4s	50.00nm		
CER	97.01	235 iPd	04 07.00		1.5s	248.00nm	6.7mb	Z	18s	3.50um	6.0Msz	
	0.6s	150.00nm	6.5mb									
		i	08 10.00									
KLU	97.02	29 eP	04 01.00	FNA	103.11	310 ePd	04 22.02 -6.6X					
KLU	97.02	29 eP	04 06.90	SPC	103.45	319 ePd	04 34.70 4.6X	SDI	108.72	312 PKP	09 00.30 4.6X	
ISK	97.29	310 eP	04 05.00	MBC	103.46	13 ePd	04 31.50 2.2X	FVI	108.75	317 PKP	09 01.50 6.0X	
DST	97.54	309 eP	04 07.00		1.0s	133.00nm	6.7mb	MOX	108.76	321 ePd	05 00.00 6.6X	
YER	97.68	306 iP	04 09.00	OHR	103.54	310 ePd	04 33.20 2.7X	GIB	108.98	308 PKP	09 01.60 5.3X	
PSN	98.07	313 iP	04 10.00		1.0s	47.00nm	6.2mb	ARV	109.12	313 PKP	09 03.00 6.7X	
		eS	13 58.00					WTTA	109.41	318 iPd	04 59.80 3.2X	
BNT	98.12	310 eP	04 11.20						1.2s	26.60nm		
CFR	98.14	315 eP	04 09.00									
EDC	98.17	310 iP	04 11.00									
IZM	98.55	308 eP	04 11.70									
KGT	98.60	310 eP	04 13.00									
MFT	98.63	310 eP	04 14.00									
KEV	98.63	339 ePd	04 11.95									
	1.2s	144.20nm	6.2mb									
		e	06 03.19	KRA	103.57	320 ePd	04 36.20 5.8X					
		eHPP	08 22.04		1.3s	67.00nm	6.3mb					
		iPP	08 22.21		Z	20s	5.30um	6.1Msz				
		iSKS	13 58.70		E	20s	6.40um		WTTA	109.41	318 iPKPd	09 01.30 4.3X

[illegible]

07d 12h																	
MWC	118.26	55	ePKP	09 15.00	0.7	ALJ	124.52	310	ePKP	09 31.50	5.3X	SCX	144.37	71	(PKP)	10 10.50	7.3X
			e	09 20.00		MTE	124.62	315	iPKPd	09 31.50	5.3X	TPX	145.04	74	(PKP)	10 11.50	7.1X
DMU	118.26	329	ePKP	09 17.40	4.0X				i	09 33.00		ANT	146.78	158	iPKPc	10 14.00	7.0X
	0.6s	140.00nm				GIBL	124.74	310	ePKP	09 32.50	6.0X		1.2s	445.31nm			
CLC	118.31	53	ePdiff	05 50.00	13.7X	PLAT	124.81	309	ePKP	09 32.50	5.9X	RDJ	147.00	205	iPKPd	10 14.40	7.0X
			e	05 53.00		CNIL	124.96	310	ePKP	09 33.00	6.2X	BMA	147.55	203	ePKP	10 10.20	1.8
CLC	118.31	53	ePKP	09 15.00	0.8	PTO	125.07	316	ePKP	09 29.50	2.6X				e	10 12.80	
			e	09 20.00		EVAL	125.08	311	iPKPd	09 32.21	5.1X				e	10 17.50	
SBB	118.36	54	ePdiff	05 45.00	8.5X	IFR	125.09	306	iPKP	09 29.00	1.5				e	10 29.60	
SBB	118.36	54	ePKP	09 20.00	5.7X				i	09 33.00					e	10 46.90	
ETA	118.47	327	ePKP	09 18.70	4.9X				i	11 13.00		ITB7	147.71	186	ePKP	10 12.50	3.9X
ETA	118.47	327	ePKP	09 20.10	6.3X	RSSD	125.29	40	e(PKP)	09 21.20	-6.4X	ITB	148.04	186	ePKP	10 12.00	2.9X
JAU	118.68	315	PKP	09 19.97	5.2X				e(PP)	11 25.60		JFO	148.08	205	ePKP	10 12.70	3.4X
OGE	118.71	316	PKP	09 19.43	4.8X				iPKKP	19 13.50					e	10 14.20	
DCN	118.72	328	ePKP	09 17.00	2.7X	COI	125.32	315	ePKP	09 34.00	6.6X				i	10 19.50	
EROO	118.79	313	iPKPc	09 19.58	4.7X	MOE	125.92	313	ePKP	09 34.00	5.3X				i	10 36.80	
ECP	118.80	327	ePKP	09 19.20	4.8X				i	09 35.50					i	10 45.60	
ECP	118.80	327	ePKP	09 20.60	6.2X	FIG	126.06	311	ePKP	09 35.00	6.0X	ITB1	148.20	185	ePKP	10 13.90	4.6X
	0.8s	277.00nm							i	09 36.50		VAO	148.27	199	ePKP	10 15.00	5.4X
ESCF	118.81	316	PKP	09 19.89	5.0X	GOL	126.33	45	PKP	09 45.00	15.2X				e	10 19.10	
RVR	118.86	55	ePdiff	05 53.00	14.3X	Z 18s	4.98um			6.2Msz					e	10 23.30	
RVR	118.86	55	ePKP	09 21.00	5.8X	GOL	126.33	45	e(PKP)	09 27.00	-2.8X				e	12 26.00	
LHE	118.89	315	PKP	09 19.99	4.9X	Z 18s	4.98um			6.2Msz		PPD	150.33	192	ePKP	10 17.50	4.9X
ATE	118.89	316	PKP	09 19.89	4.9X				i	09 34.70					e	10 19.30	
EGRA	118.90	315	iPKPd	09 19.06	4.1X	MTH	126.39	314	ePKP	09 35.30	5.7X				e	10 22.90	
EGRA	118.90	315	iPKPc	09 27.77	12.8X				i	09 36.50					e	10 32.40	
ECB	118.94	327	ePKP	09 19.50	4.8X	GLD	126.41	45	PKP	09 45.00	15.2X	NNA	152.89	135	iPKPd	10 24.50	7.9X
ECB	118.94	327	ePKP	09 20.80	6.1X	Z 19s	6.20um			6.3Msz			0.8s	253.73nm			
MADF	118.96	316	PKP	09 19.89	4.8X	GLD	126.41	45	e(PKP)	09 20.30	-9.5X	GCM	153.85	60	PKP	10 23.25	5.6X
ISSF	118.98	316	PKP	09 19.84	4.5X	Z 19s	6.20um			6.3Msz		CNCB	153.97	157	ePKP	10 21.00	2.4X
GSC	119.05	54	ePdiff	05 50.00	10.4X				i	09 35.50					i	10 25.00	
GSC	119.05	54	ePKP	09 17.00	1.4	LIS	126.42	313	iPKPd	09 34.60	5.0X	CCH	154.11	161	PKP	10 24.70	6.3X
			e	09 21.00		AVE	126.99	307	iPKP	09 36.00	5.1X	LPB	154.18	156	PKP	10 24.00	5.3X
PEC	119.05	55	e(PKP)	09 20.00	4.4X				i	09 47.50			0.9s	369.75nm			
			ePP	10 26.50					i	11 38.00		Z 18s	4.12um			6.3Msz	
			iSKP	12 06.20		ALO	127.29	51	ePdiff	06 26.00	9.6X				PP	12 27.00	
			e(SKS)	15 34.00		ALO	127.29	51	ePKP	09 27.00	-4.7X	ZOBO	154.40	156	PKP	10 20.80	1.6
			e	19 36.80		Z 18s	6.19um			6.3Msz			1.0s	76.25nm			
BOH	119.10	316	PKP	09 21.08	5.6X	ANMO	127.29	51	PKP	09 45.00	13.3X				eLR	41 38.00	
LRM	119.16	41	ePdiff	05 45.00	5.6X	Z 20s	5.32um			6.2Msz		ZOBO	154.40	156	ePKPc	10 25.95	6.7X
PLM	119.41	56	ePdiff	05 59.00	17.7X	TIO	127.55	304	iPKP	09 37.00	4.8X		1.0s	76.25nm			
PLM	119.41	56	ePKP	09 23.00	6.5X				i	12 01.50					ePKPab10	51.11	
BAR	119.69	57	ePKP	09 19.00	2.1X	KIC	127.66	272	PKP	09 37.98	5.3X				eLR	41 38.00	
			e	09 23.00		LIC	127.93	272	PKP	09 37.76	4.6X	BAO	155.44	202	ePKPc	10 25.90	5.8X
BAR	119.69	57	ePKP	09 24.40	7.5X	TIC	127.96	273	PKP	09 37.86	4.6X	CAI	155.56	237	iPKPc	10 25.00	4.8X
TPC	119.91	55	ePKP	09 23.00	5.7X	MEO	133.32	48	e(PKP)	09 34.50	-8.4X	SIV	156.68	171	PKP	10 23.00	1.5
TPC	119.91	55	ePKP	09 24.80	7.5X	CGX	133.73	70	(PKP)	09 50.50	6.2X	UPA	158.08	84	ePKPd	10 27.40	4.2X
ACU	120.04	310	iPKPc	09 23.19	5.8X	CFTV	133.96	303	ePKP	09 35.00	-9.3X		1.2s	178.13nm			
ECRI	120.31	316	iPKPc	09 23.47	5.7X	TUL	134.80	45	Pdiff	06 45.00	-4.5X	Z 20s	6.38um			6.5Msz	
ETOR	120.57	313	iPKPd	09 23.58	5.2X	TUL	134.80	45	ePKP	09 35.10	-10.5X				i	11 07.10	
FFC	120.79	28	ePdiff	05 53.00	6.3X		0.8s	518.40nm							i	13 10.50	
	1.4s	20.00nm				Z 20s	51.70um			7.2MszX		PSO	159.32	106	ePKP	10 31.50	6.4X
FFC	120.79	28	ePKP	09 24.00	5.8X				LR	59 58.70		BOG	163.29	98	ePKP	10 35.50	6.5X
	0.6s	115.00nm				GGC	135.35	303	ePKP	09 55.00	8.0X				e	11 31.00	
EALH	120.98	310	iPKPc	09 23.93	4.8X	CTFE	135.75	304	PKP	09 55.00	7.4X	BMG	164.51	90	ePKP	10 35.50	5.6X
VAL	121.00	328	iPKP	09 24.70	6.1X	TBT	137.03	305	iPKP	09 47.00	-3.1X	BMG	164.51	90	iPKPc	10 36.00	6.1X
		S	26 54.00			FVM	137.24	39	ePKPd	09 38.00	-12.2X	SDV	166.86	82	iPKPc	10 37.00	5.2X
GLA	121.14	56	ePKP	09 18.00	-1.6				i	09 43.80		TOV	167.54	77	ePKP	10 37.00	4.9X
		e	09 26.00						iSKP	12 37.30		NEV	168.94	26	ePKP	10 39.00	6.2X
GLA	121.14	56	ePKP	09 27.30	7.7X				iSKKP	21 31.50					e	12 13.00	
EVIA	121.57	311	iPKPc	09 25.42	5.1X	TACH	137.40	163	ePKP	09 45.00	-5.7X	CAR	170.09	70	ePKP	10 39.50	5.8X
ENIJ	121.83	309	iPKPc	09 24.03	3.3X	ACX	137.53	73	(PKP)	09 49.50	-1.8	LLAV	170.21	70	iPKP	10 40.00	6.3X
EHUE	121.88	310	iPKPc	09 25.47	4.5X	PCH	137.55	164	ePKP	09 45.50	-5.5X	DEG	170.29	21	ePKP	10 38.00	4.4X
GUD	122.13	314	iPKPd	09 26.61	5.2X	III	137.67	71	(PKP)	09 49.00	-2.8X	OLLA	170.35	72	iPKP	10 37.80	4.0X
TOL	122.32	313	iPKPd	09 27.00	5.4X	PEL	137.95	163	iPKPd	09 47.40	-4.3X	BBL	170.85	25	ePKP	10 38.50	4.6X
	1.2s	187.50nm					0.6s	53.33nm			SVV	172.89	31	ePKP	10 36.00	1.3	
		i(pP)	11 00.00			LPA	138.11	179	ePKP	09 48.00	-3.8X				e	12 10.00	
		ePP	13 40.00			Z 20s	5.67um			6.3Msz		TRN	174.82	48	ePKP	10 41.00	5.6X
		iPS	20 00.00						iPP	12 41.20					e	12 15.03	
		iSS	22 58.00			ELF	138.47	26	PKP	09 46.30	-6.0X						
ECOG	122.78	310	iPKPc	09 26.19	3.4X	DLA	138.62	27	PKP	09 46.75	-5.8X						
EMEL	122.88	308	iPKPc	09 28.58	5.8X	IIIT	138.63	69	(PKP)	09 34.00	-19.6X						
FRB	123.00	6	ePKP	09 25.00	2.9X	LDN	138.65	27	PKP	09 46.00	-6.0X						
	0.7s	135.00nm				IISM	139.51	69	(PKP)	09 53.50	-1.2						
EMON	123.27	318	iPKPc	09 25.67	2.3X	MBO	139.62	284	iPKPc	09 52.40	-2.6X						
ERUA	123.57	317	iPKPd	09 28.90	4.9X	LVVM	140.21	68	(PKP)	09 54.00	-2.0X						
EPLA	123.72	314	iPKPd	09 29.60	5.2X	OXX	140.46	72	(PKP)	09 45.50	-11.3X						
EHOR	123.88	311	iPKPc	09 28.93	4.2X	SCP	141.92	25	ePKPd	09 58.27	-0.2						
MVO	123.97	315	ePKP	09 29.00	4.1X				e	12 46.79		HUA	1.92	5	iP	52 38.70	0.6
PV09	124.06	48	e(PKP)	09 21.50	-4.0X				i	12 47.01					iS	52 58.50	
			i	09 31.80					i	12 49.83		NNA	2.35	326	iPc	52 42.80	-0.7
			iPKKP	19 19.30					i	10 00.00					eS	53 02.50	
PV09	124.06	48	ePKPc	09 31.60	6.1X	PNJ	143.29	21	PKPd	10 00.00	-0.7	ARE	4.61	123	eP	53 16.00	1.2
			ePKKP	19 19.20					pPKP	12 20.50					iS	54 08.00	
LIJA	124.30	310	ePKP	09 30.50	4.8X				SKKP</								

CNCB 7.80 112 P 53 59.00 0.0
 CCH 9.64 112 eP 54 24.00 0.1
 SIV 14.10 100 P 55 18.00 -4.5X
 ALQ 56.81 330 eP 01 43.00 0.2
 SES 71.25 337 eP 03 16.00 -0.5
 YKA 82.09 343 eP 04 17.20 0.6
 0.6s 0.80nm 3.8mb
 S.D. = 0.9 on 10 of 11 obs.

JUN 07, 1991 12h 28m 42.11 ± 0.81s
 40.193 N ± 6.5km 23.423 E ± 8.4km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

PAIG 0.33 143 iPc 28 48.88 -0.1
 THE 0.56 322 ePd 28 52.56 -0.9
 SOH 0.63 355 ePd 28 53.92 -0.9
 LIT 0.72 263 iPd 28 56.32 0.0
 SRS 0.93 8 iPd 29 00.85 0.9
 KNT 1.05 338 ePd 29 01.76 -0.1
 GRG 1.09 315 ePd 29 03.80 1.2
 VAY 1.30 330 ePn 29 06.00 -0.2
 S.D. = 0.9 on 8 of 8 obs.

* JUN 07, 1991 12h 34m 56.75 ± 1.80s
 32.196 S ± 9.8km 71.545 W ± 17.7km
 DEPTH = 26.5 ± 8.5 km
 NEAR COAST OF CENTRAL CHILE (135)

IHA 0.83 186 iPc 35 12.30 -0.2
 JACH 0.94 121 iPd 35 13.60 -0.6
 PEL 1.19 143 iPc 35 18.00 0.2
 SAN 1.46 150 iPc 35 22.30 0.7
 TACH 1.54 161 iPc 35 23.00 0.2
 PCH 1.66 149 iPd 35 24.00 -0.6
 RTCB 2.44 74 ePc 35 36.00 0.5
 RTRS 2.70 42 e(P) 35 39.10 -0.2
 RTLL 2.76 73 iPc 35 40.10 -0.1
 WB2 122.53 209 ePd 35 36.10 14.6X
 0.5s 2.60nm
 WRA 122.53 209 Pd 35 36.00 14.4X
 0.3s 1.50nm
 S.D. = 0.6 on 9 of 11 obs.

& JUN 07, 1991 12h 41m 02.03s
 60.036 N 151.850 W
 DEPTH = 79.6km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>.

NNL 0.28 88 eP 41 14.79 0.5
 HOM 0.39 165 eP 41 14.61 -0.4
 BRLK 0.56 119 iP 41 15.97 -0.5
 XLV 0.59 174 eP 41 15.99 -0.7
 CNPM 0.60 148 iP 41 16.31 -0.6
 RED 0.60 310 eP 41 16.20 -0.8
 RDT 0.61 333 iP 41 16.25 -0.8
 RSO 0.62 314 eP 41 16.46 -0.8
 REF 0.62 317 iP 41 16.69 -0.6
 RS2 0.62 314 eP 41 16.49 -0.8
 RDW 0.66 314 iP 41 16.95 -0.7
 RDN 0.66 317 iP 41 16.90 -0.7

DFR 0.70 324 iP 41 17.21 -0.7
 NCT 0.75 315 iP 41 17.87 -0.7
 NKA 0.77 23 eP 41 19.96 1.3
 SLKM 0.94 59 eP 41 19.68 -1.0
 AUE 1.03 229 eP 41 19.85 -1.8
 AUH 1.05 231 iP 41 21.24 -0.8

AUI 1.07 229 eP 41 20.19 -1.9
 CKL 1.19 349 eP 41 23.40 -0.4
 PDB 1.21 259 iP 41 22.21 -1.7

SEW 1.21 86 eP 41 22.77 -1.1
 CRP 1.24 353 iP 41 24.56 0.0
 BGL 1.26 348 iP 41 24.41 -0.3
 NCG 1.38 354 eP 41 26.06 -0.2
 CDD 1.44 220 eP 41 25.52 -1.4

SYI 1.46 191 eP 41 25.72 -1.4
 MCNL 1.53 237 eP 41 25.98 -2.1
 SUA 1.53 20 eP 41 28.11 -0.2

PMS 1.66 42 eP 41 29.64 -0.2
 PWA 1.89 30 eP 41 32.77 -0.1
 SKT 1.96 4 eP 41 33.41 -0.5

LTI 2.01 88 eP 41 32.90 -1.6
 PLRM 2.05 39 eP 41 33.96 -1.2
 KNIM 2.08 80 iP 41 33.50 -2.1

MTU 2.11 89 eP 41 34.67 -1.3
 SVW 2.15 302 eP 41 34.66 -1.9
 KNK 2.17 49 eP 41 35.79 -1.0
 GH0 2.25 38 eP 41 37.49 -0.5

39 obs. associated
 % JUN 07, 1991 13h 47m 39.13 ± 1.05s
 42.947 N ± 8.2km 18.697 E ± 7.4km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)

ML 1.8 (TTG).
 BRY 0.12 247 iPg 47 42.60 0.3
 NKY 0.26 121 iPg 47 45.46 0.8

HCY 0.52 196 iPg 47 49.81 0.1
 PLE 0.64 53 iPg 47 51.70 -0.3
 TTG 0.66 141 iPg 47 52.16 -0.2

BDV 0.67 172 iPg 47 51.68 -0.8
 S.D. = 0.7 on 6 of 6 obs.

? JUN 07, 1991 14h 35m 10.58 ± 1.06s
 30.186 N ± 10.4km 53.407 E ± 14.0km
 DEPTH = 33.0km (normal)
 3.8mb (1 obs.)
 IRAN (348)

IR4 5.46 338 eP 36 32.00 0.1
 IR5 5.55 335 eP 36 41.00 7.8X
 IR1 5.70 337 eP 36 35.50 0.3
 IR7 5.98 338 eP 36 38.00 -1.3
 KER 6.76 310 eP 37 03.00 12.8X
 RYD 8.13 230 eP 37 09.00 -0.3

MLR 26.36 313 eP 40 48.00 2.4X
 KKN 27.94 87 P 41 00.00 -0.2
 HFS 39.96 330 eP 42 44.70 1.4
 YKA 87.14 354 eP 48 10.30 16.2X
 0.8s 0.50nm 3.8mb
 S.D. = 1.2 on 6 of 10 obs.

& JUN 07, 1991 14h 38m 03.20s
 36.840 N 121.607 W
 DEPTH = 6.0km
 CENTRAL CALIFORNIA (39)
 <BRK>. ML 2.8 (BRK).

SAO 0.15 120 iPd 38 05.90 -0.5
 GCC 0.37 301 ePc 38 10.40 -0.2
 MHC 0.50 357 iPd 38 13.70 0.4

PRS 0.54 159 eP 38 13.30 -0.8
 LLA 0.58 112 iPc 38 14.30 -0.5
 PCC 0.90 317 ePc 38 20.20 -0.7
 PRI 1.03 132 eP 38 22.50 -0.6
 BKS 1.15 334 eP 38 24.00 -1.1
 BRK 1.16 333 ePc 38 25.30 0.2

ZSP 1.22 335 ePc 38 27.00 0.8
 FRI 1.53 84 ePd 38 30.30 -0.8
 CMB 1.54 39 eP 38 30.50 -0.8

12 obs. associated
 * JUN 07, 1991 14h 47m 54.93 ± 1.31s
 7.414 S ± 8.1km 75.946 W ± 13.6km
 DEPTH = 76.8 ± 20.9 km
 4.4mb (2 obs.)
 NORTHERN PERU (111)

NNA 4.63 191 iPc 49 03.00 -1.0
 PT10 4.74 192 eP 49 06.50 1.0
 ZOBO 11.66 140 P 50 41.00 0.1

LPH 11.87 140 P 50 51.00 7.4X
 CNCB 12.16 141 P 50 48.00 0.5

UPA 16.67 348 iPc 51 45.20 0.0
 SIV 16.86 122 P 51 46.80 -0.9
 SDV 17.04 18 eP 51 49.10 -0.8
 CEOS 18.01 25 eP 52 03.50 1.6
 TOV 18.15 20 eP 52 03.00 -0.6
 YKA 75.76 343 eP 59 32.40 -1.4

1.0s 1.40nm 3.8mb
 MBC 87.25 351 eP 00 35.00 1.4
 1.0s 12.00nm 5.0mb
 WRA 139.66 227 PKP 07 30.00 13.5X
 0.7s 0.80nm
 S.D. = 1.2 on 11 of 13 obs.

JUN 07, 1991 16h 01m 06.50 ± 0.38s
 44.131 N ± 4.6km 9.568 E ± 3.1km
 DEPTH = 5.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.8 (LDG), 2.7 (GEN).

BOB 0.64 352 Pd 01 18.00 -1.3
 BDI 0.74 95 P 01 27.30 -0.5

PII 0.80 120 Pd 01 22.90 0.4
 MME 0.82 85 P 01 23.00 0.0

PCP 0.84 300 P 01 23.12 -0.2
 CKI 0.97 288 P 01 25.67 0.2

FIN 0.98 275 P 01 25.89 0.3
 IMI 1.23 260 P 01 29.88 0.0

ROB 1.23 278 P 01 29.47 -0.4
 SBF 1.56 261 Pn 01 34.00 -1.0

STV 1.62 275 P 01 35.11 -0.7
 PGF 1.64 195 Pn 01 36.20 0.1

07d 16h

MDI	1.65	3	P	01 36.40	0.2	GTA	50.14	346	P	21 38.00	0.4	MAP	2.62	288	eP	07 15.00	1.0	
			eSn	01 58.00			1.0s	10.00nm			4.8mb				eS	07 50.00		
SFI	1.66	96	P	01 36.00	-0.4	WMO	57.93	338	eP	22 34.50	0.1	PPR	7.68	273	ePc	08 27.00	2.2	
			eSg	01 58.30			E 10s	0.40um				BAG	8.96	320	eP	08 41.00	-1.7	
DOI	1.71	283	P	01 36.50	-0.7	YAK	72.08	8	eP	24 03.30	-1.9	OIZ	18.70	302	eP	10 47.50	-1.7	
BHB	1.80	294	P	01 39.31	0.9	YKA	116.39	23	ePKP	31 23.70	0.2		N 12s	0.50um				
			S	02 02.86			0.6s	0.60nm				SSE	22.03	348	Pc	11 24.00	0.2	
CRE	1.80	105	P	01 39.30	0.8	PPD	145.74	205	(PKP)	32 23.00	3.4X		1.5s	30.00nm			4.5mb	
PZZ	1.81	283	P	01 37.37	-1.3	BAO	149.51	216	ePKPc	32 33.50	7.7X		N 12s	0.20um				
			S	02 59.01		CNCB	154.06	176	PKP	32 37.00	4.1X			eSP	11 34.00			
VAI	1.83	342	P	01 39.80	1.1	LPB	154.33	175	ePKP	32 29.00	-4.1X			sS	15 36.00			
ORX	1.88	324	P	01 40.55	0.9	SIV	154.47	191	ePKP	32 34.00	1.2	MTN	22.69	168	eP	11 30.00	-0.4	
			S	02 03.78				i	32 58.60			NJ2	23.52	344	Pc	11 39.00	0.7	
RSP	1.94	303	P	01 41.16	0.6	ZOBO	154.58	175	PKP	32 37.00	3.4X		Z 18s	0.40um			3.9Msz	
LSD	2.17	309	P	01 45.78	1.8			i	33 00.20			WHN	23.79	333	eP	11 42.50	1.5	
FRF	2.19	256	Pn	01 43.80	-0.3		S.D. = 1.1	on 27 of 39 obs.			KGM	24.24	254	ePc	11 47.10	1.6		
CTI	2.42	37	P	01 47.60	0.1						KNA	25.21	175	eP	11 54.00	-0.6		
LRG	2.42	255	Pn	01 46.90	-0.4		JUN 07, 1991 17h 47m 19.24±0.67s					0.8s	22.00nm			4.7mb		
LPG	2.43	305	Pn	01 49.60	1.9		44.226 N ± 4.5km	8.234 E ± 5.6km			IPM	25.76	261	ePc	12 04.60	4.7X		
LPL	2.45	305	Pn	01 49.70	1.7		DEPTH = 9.9 ± 4.1 km				XAN	29.27	329	P	12 29.00	-2.6		
BSF	4.18	333	Pn	02 10.50	-1.9		NORTHERN ITALY	(545)			WB2	30.28	165	eP	12 36.40	-4.2X		
HAU	4.48	331	Pn	02 16.20	-0.4		ML 2.4 (LDG), 2.3 (GEN)	MD 1.8				0.6s	3.20nm			4.2mb		
CDF	4.57	340	Pn	02 16.30	-1.6		(STR)				BJI	31.76	345	eP	12 53.00	-0.4		
	S.D. = 1.0	on 30 of 30 obs.										1.5s	18.00nm			4.7mb		
	JUN 07, 1991 17h 12m 50.26±1.03s					FIN	0.03	227	P	47 21.12	-0.1	OIS	32.55	157	iPc	12 59.00	-1.5	
	9.227 S ± 5.9km 113.955 E ± 9.8km							S	47 22.04			ASPA	33.77	168	eP	13 15.70	4.6X	
	DEPTH = 99.2 ± 10.8 km					CKI	0.20	9	Pc	47 24.00	0.3			0.7s	3.10nm		4.3mb	
	4.9mb (10 obs.)							eSg	47 27.00			HHC	33.90	339	eP	13 12.00	-0.1	
	SOUTH OF JAVA (282)					ROB	0.27	285	P	47 24.71	-0.2	WARB	35.49	180	eP	13 26.30	0.5	
TRT	2.00	319	iPd	13 23.40	0.1			S	47 28.30			GTA	38.13	326	eP	13 46.40	-1.6	
			iS	14 01.60		PCP	0.39	35	P	47 27.17	0.0		Z 18s	0.60um			4.4Msz	
MKS	6.77	54	ePd	14 29.60	0.9			S	47 32.38			MRWA	39.83	194	eP	14 02.00	0.0	
MBL	13.15	155	iPd	15 46.10	-8.2X	IMI	0.40	218	P	47 27.07	-0.4	GUN	42.36	301	P	14 23.00	-0.3	
	0.3s 30.00nm			5.3mb				S	47 32.00			PKI	42.65	301	P	14 24.80	-0.9	
			eS	17 58.00		SAOF	0.54	244	Pg	47 31.43	1.2	KKN	42.83	301	P	14 26.20	-0.8	
NANU	13.35	174	eP	15 50.30	-6.6X			Sg	47 37.28			STK	43.62	161	eP	14 32.40	-0.6	
KGM	15.40	316	eP	16 19.50	-3.8X	AUTN	0.63	249	Pg	47 31.67	-0.3		1.0s	2.00nm			3.9mb	
KNA	15.84	116	eP	16 24.00	-4.9X	STV	0.65	272	P	47 31.87	-0.5	WMO	47.96	322	eP	15 08.70	1.2	
	0.6s 23.00nm			4.6mb				S	47 40.09			Z 26s	0.40um				4.3MszX	
			eS	19 14.00		SBF	0.68	238	Pg	47 32.20	-0.6	YAK	52.45	2	eP	15 41.40	0.2	
MEKA	17.83	167	eP	16 51.00	-2.5			Sg	47 41.70			KEV	84.41	340	eP	19 05.00	5.4X	
			eS	19 50.00		AURF	0.74	243	Pg	47 34.16	0.4	INK	84.89	22	eP	19 03.00	1.1	
IPM	18.82	316	ePd	17 09.90	4.8X	TOUF	0.74	254	Pg	47 33.87	-0.1	MBC	86.38	13	eP	19 10.50	1.2	
MRWA	19.98	175	eP	17 15.00	-2.2			Sg	47 44.41				1.0s	6.00nm			4.7mb	
	0.4s 7.00nm			4.3mb		DOI	0.76	292	P	47 34.20	0.0	KAF	86.40	332	eP	19 09.60	0.1	
			eS	20 43.00				eSg	47 44.50			0.5s	1.80nm			4.5mb		
WARB	20.72	146	eP	17 35.00	10.3X	MVIF	0.85	247	Pg	47 36.57	0.9	N82	93.53	334	P	19 42.80	-0.3	
	0.3s 5.00nm							Sg	47 47.21			0.9s	1.60nm			4.4mb		
BAL	21.43	173	eP	17 32.00	0.2	PZZ	0.86	289	P	47 35.68	-0.2	YKA	94.34	24	eP	19 49.00	2.3	
	0.5s 28.00nm			4.8mb				S	47 46.36			1.0s	1.70nm			4.4mb		
WB2	22.40	121	iPc	17 40.90	-0.6	BHB	0.93	312	P	47 36.87	-0.1		S.D. = 1.3	on 30 of 34 obs.				
	0.4s 27.00nm			4.9mb				S	47 47.77									
KLB	22.53	172	eP	17 44.00	1.3	FRF	1.33	240	Pg	47 44.30	0.6	? JUN 07, 1991 20h 40m 03.38±2.14s						
			eS	21 17.00				Sg	48 01.10			17.625 S ± 24.5km	75.063 W ± 18.6km					
COOL	22.57	164	eP	17 44.00	1.0	LMR	1.54	235	Pg	47 46.30	-0.4	DEPTH = 10.0km (geophysicist)						
			eS	21 42.00				Sg	48 07.80			OFF COAST OF PERU (114)						
MUN	22.74	175	eP	17 46.00	1.4	LRG	1.56	241	Pg	47 46.60	-0.4							
			eS	21 47.00				Sg	48 08.00			ARE	3.61	72	iPd	40 56.40	-4.4X	
NWAO	23.78	173	eP	17 56.00	1.3		S.D. = 0.5	on 18 of 8 obs.							iS	41 25.00		
			eS	22 09.00		? JUN 07, 1991 19h 50m 18.46±11.03s						PT10	5.82	341	e(P)	41 38.00	6.2X	
ASPA	23.87	129	iPc	17 56.00	0.2		39.003 N ± 51.5km	20.239 E ± 78.3km							eS	42 40.00		
	0.4s 25.50nm			5.0mb			DEPTH = 10.0km (geophysicist)					NNA	5.86	343	eP	41 32.50	0.0	
			iPcP	21 38.40			GREECE-ALBANIA BORDER REGION (392)						0.7s	43.15nm			5.3mb X	
OIS	27.18	117	eP	18 26.00	-0.5	IGT	0.53	8	ePc	50 28.76	-0.5					i	41 38.00	
CHG	31.55	332	eP	19 06.00	0.6			eS	50 35.80			LPB	6.75	82	P	41 46.00	0.6	
STK	34.13	135	iPc	19 27.80	0.1	AGG	1.63	89	ePd	50 47.00	-0.3		1.0s	144.00nm			6.0mb X	
	0.4s 27.40nm			5.5mb				eS	51 07.80			ZOBO	6.78	80	P	41 44.80	-1.1	
CD2	41.09	347	P	20 26.10	0.2	FNA	1.98	26	ePc	50 53.28	0.8		Z 24s	0.31um				
XAN	43.29	354	eP	20 43.00	-0.8			eS	51 18.12							S	42 42.00	
HYB	43.87	307	eP	20 57.50	8.7X	LIT	2.06	57	iPc	50 53.80	0.3					LR	43 50.00	
LSA	44.50	331	P	20 55.00	0.9			eS	51 18.92			CNCB	6.82	84	P	41 47.00	0.5	
GUN	45.84	325	P	21 04.52	-0.1	GRG	2.56	40	ePd	51 00.80	0.1	CCH						

FRF 0.31 166 Pg 56 27.90 -0.5
Sg 56 32.30
LRG 0.42 198 Pg 56 30.30 -0.4
Sg 56 36.20
LMR 0.52 183 Pg 56 33.40 0.8
Sg 56 39.00
SBF 0.64 89 Pg 56 35.00 0.1
Sg 56 45.10

S.D. = 1.0 on 4 of 4 obs.

* JUN 07, 1991 23h 42m 01.02 ± 0.58s
36.637 N ± 12.0km 71.915 E ± 10.3km
DEPTH = 33.0km (normal)
4.2mb (6 obs.)

AFGHANISTAN-USSR BORDER REGION (717)

NDI 9.10 149 ePn 44 15.00 1.9
0.7s 27.40nm 5.5mb X
eSn 45 45.50
MAIO 10.01 272 iPd 44 24.60 -1.1
0.8s 14.64nm 5.3mb
eS 46 10.00

GKN 13.77 125 P 45 16.40 0.1
KKN 14.33 124 P 45 23.12 -0.7
PKI 14.56 125 P 45 26.22 -0.7
GUN 14.66 122 P 45 27.92 -0.2
HYB 20.03 161 eP 46 34.00 0.0
TAB 20.38 282 eP 46 45.00 7.3X
GBA 23.46 166 Pd 47 08.70 0.3
0.5s 15.60nm 4.8mb

MLR 35.36 299 eP 49 00.00 4.5X
HFS 43.41 322 eP 50 02.70 0.8
0.5s 3.20nm 4.3mb
NB2 44.72 323 P 50 13.30 0.8
0.6s 0.90nm 3.8mb

YKA 81.07 3 eP 54 13.90 0.2
0.5s 0.80nm 4.0mb
WRA 81.44 123 P 54 15.00 -1.3
0.6s 1.00nm 4.0mb

S.D. = 1.0 on 12 of 14 obs.

JUN 08, 1991 00h 04m 54.84 ± 0.84s
40.629 N ± 7.9km 15.815 E ± 6.8km
DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.39 260 Pd 05 03.20 0.3
eSg 05 08.50
MGR 0.53 202 Pd 05 05.00 -0.6
eSg 05 13.90
ORI 0.74 139 P 05 11.50 2.1
eSg 05 23.70

MMN 0.75 170 P 05 12.50 3.0X
eSg 05 25.40
CSI 0.93 157 P 05 10.40 -2.1
BAI 0.94 58 P 05 12.00 -0.7
TDS 1.05 157 P 05 17.00 2.4X
BRT 1.08 76 P 05 15.40 0.2
eSg 05 31.10

LCI 1.66 100 P 05 28.20 4.2X
SDI 1.85 306 P 05 27.00 0.0
SOI 2.56 176 P 05 37.80 0.8

S.D. = 1.4 on 8 of 11 obs.

* JUN 08, 1991 00h 27m 42.17 ± 1.14s
42.994 N ± 8.5km 18.661 E ± 7.6km
DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)

ML 1.3 (TTG).
BRY 0.13 223 iPg 27 45.23 -0.2
iSg 27 47.36
NKY 0.31 126 iPg 27 48.36 -0.3
iSg 27 53.66
HCY 0.56 192 iPg 27 53.78 0.3
iSg 28 02.76

PLE 0.63 58 iPg 27 54.96 0.0
TTG 0.72 142 iPg 27 56.40 0.1
iSg 28 07.78
BDV 0.72 170 iPg 27 56.21 -0.2
IVA 0.92 97 iPg 27 59.90 0.1

S.D. = 0.2 on 7 of 7 obs.

* JUN 08, 1991 00h 27m 53.52 ± 0.70s
29.295 N ± 11.4km 96.578 E ± 6.4km
DEPTH = 33.0km (normal)
4.8mb (1 obs.)

INDIA-CHINA BORDER REGION (313)

LSA 4.75 276 ePn 29 10.00 4.9X
CD2 6.43 74 ePn 29 30.00 1.6
KMI 6.88 126 eP 29 36.20 1.3
GYA 9.36 105 P 30 07.00 -2.3

Z 12s 0.60um
pP 30 11.20
GUN 9.50 264 P 30 11.68 0.2
PKI 9.98 263 P 30 17.84 -0.2
KKN 10.05 264 P 30 18.38 -0.5

0.4s 18.00nm 5.7mb X
GTA 10.44 14 eP 30 25.00 0.9
GKN 10.57 266 P 30 25.62 -0.3
0.4s 10.00nm 5.4mb X
CHG 10.66 168 eP 30 28.00 1.0
WHN 15.46 81 eP 31 29.00 -1.8
WRA 61.02 139 P 38 01.00 -5.3X
1.0s 7.50nm 4.8mb

NB2 62.64 327 P 38 06.00 -10.8X
0.9s 1.70nm
YKA 85.17 14 eP 40 15.20 -12.2X
0.8s 0.60nm

S.D. = 1.5 on 10 of 14 obs.

JUN 08, 1991 01h 06m 14.37 ± 0.46s
44.539 N ± 3.4km 8.038 E ± 3.6km
DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

ML 2.6 (GEN), 2.5 (LDG), MD 1.9 (STR).
CKI 0.21 123 Pc 06 19.00 0.1
eSg 06 21.90
ROB 0.27 206 P 06 19.42 -0.7
S 06 23.01

FIN 0.35 160 P 06 21.06 -0.6
S 06 25.58
PCP 0.36 89 P 06 21.78 -0.1
S 06 27.11
DOI 0.57 267 P 06 25.60 -0.4
eSg 06 33.50

STV 0.59 240 P 06 25.27 -1.1
S 06 32.45
BHB 0.63 299 P 06 27.05 0.0
S 06 35.04
IMI 0.64 190 P 06 26.81 -0.4
S 06 34.39

SAOF 0.65 212 Pg 06 27.62 0.2
PZZ 0.67 267 P 06 27.32 -0.5
S 06 35.21
AUTN 0.70 219 Pg 06 27.70 -0.6
TOUF 0.77 227 Pg 06 28.79 -0.8
Sg 06 39.04

SBF 0.80 213 Pg 06 29.80 -0.2
Sg 06 40.10
RSP 0.83 318 P 06 30.29 -0.2
S 06 41.88
AURF 0.83 218 Pg 06 30.28 -0.2
MVIF 0.91 225 Pg 06 32.37 0.6
Sg 06 44.73

REVF 0.93 211 Pg 06 33.51 1.3
LPG 1.32 317 Pg 06 39.10 0.1
LPL 1.35 317 Pg 06 39.40 0.1
FRF 1.40 226 Pg 06 41.10 1.2
Sg 06 59.00

LRG 1.63 229 Pg 06 44.10 1.0
Sg 07 04.90
LMR 1.63 223 Pg 06 44.60 1.3
Sg 07 05.90

S.D. = 0.7 on 22 of 22 obs.

* JUN 08, 1991 01h 12m 01.86 ± 0.59s
41.005 N ± 10.4km 43.563 E ± 8.8km
DEPTH = 33.0km (normal)
4.2mb (6 obs.)

TURKEY-USSR BORDER REGION (367)

TAB 3.63 143 eP 12 57.00 -0.2
KVT 5.68 273 ePn 13 25.00 -1.2
GAZ 6.25 234 ePn 13 35.60 1.4
KER 7.21 156 eP 13 48.00 0.2
MAIO 13.31 106 eP 15 11.00 0.0
MLR 13.60 295 eP 15 24.00 9.2X
OBN 14.84 344 eP 15 38.00 7.2X
SPC 18.33 304 eP 16 14.00 -1.3
ZST 20.10 300 eP 16 41.10 5.7X

KSP 21.26 307 eP 16 46.80 -0.4
KBA 22.47 296 iPc 16 58.10 -1.5
1.0s 13.80nm 4.4mb
KHC 22.57 301 iP 17 01.50 1.1
1.0s 5.30nm 4.0mb
e 17 07.50

CLL 23.38 306 eP 17 11.00 2.8X
HFS 26.58 326 eP 17 40.00 1.6
1.0s 11.20nm 4.4mb
Z 17s 0.05um 3.1msz X
LR 27 58.00

NB2 28.10 326 P 17 52.80 0.5
1.0s 2.40nm 3.8mb
EKA 33.61 311 Pc 18 40.10 -0.8
1.1s 8.40nm 4.6mb
KKN 36.52 98 P 19 04.80 -1.5
GUN 36.91 97 P 19 13.60 3.9X
YKA 75.36 350 eP 23 45.40 2.1
1.2s 1.70nm 3.9mb

S.D. = 1.3 on 14 of 19 obs.

* JUN 08, 1991 01h 50m 59.21 ± 1.85s
15.828 N ± 7.1km 61.096 W ± 17.3km
DEPTH = 96.3 ± 20.2 km

LEEWARD ISLANDS (92)

MGG 0.23 293 iPd 51 13.44 -0.8
S 11 23.00
SFG 0.43 347 eP 51 14.87 0.6
S 51 25.60
BBL 0.48 231 ePd 51 14.96 0.3
S 51 25.80

DEG 0.48 4 ePd 51 14.60 -0.2
S 51 25.30
PAG 0.60 290 eP 51 15.65 0.0
S 51 27.30
SEG 0.69 326 ePc 51 16.80 0.4
S 51 30.70

CRM 1.08 171 iPc 51 20.48 -0.1
FDF 1.09 183 iPc 51 20.62 -0.1
0.1s 2.70nm
S 51 35.00
MVM 1.28 171 iPc 51 22.93 0.0
S 51 40.80

BIM 1.30 179 iPc 51 23.41 0.2
S 51 41.80
BPA 1.41 329 iPc 51 24.32 -0.3
S 51 41.60

S.D. = 0.4 on 11 of 11 obs.

JUN 08, 1991 01h 58m 30.01 ± 0.12s
45.676 N ± 3.0km 150.932 E ± 2.2km
DEPTH = 43.2km (8 depth phases)
5.5mb (96 obs.) 4.9msz (16 obs.)

KURIL ISLANDS (221)

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 16S, 26C
Centroid Location:
Origin Time 01:58:31.8 0.6
Lat 45.75N 0.06 Lon 151.18E 0.07
Dep 43.3 5.6 Half-duration 1.8
Moment Tensor: Scale 10**16 Nm
Mrr= 8.69 0.50 Mtt=-2.52 0.80
Mff=-6.17 0.77 Mrt= 4.28 1.24
Mrf= 3.41 1.23 Mtf=-6.36 0.78

Principal Axes:
T Vol= 10.25 Plg=73 Azm=341
N 2.05 9 221
P -12.30 14 128

Best Double Couple: Mo=1.1*10**17
NP1: Strike=206 Dip=32 Slip= 73
NP2: 46 60 100

SAP 7.36 253 eP 00 21.00 3.4X
eS 01 46.00
MAT 13.23 231 eP 01 34.00 -3.4X
0.6s 22.67nm 5.3mb
(S) 03 44.00

MDJ 15.09 274 eP 02 03.00 1.2
1.0s 200.00nm 5.3mb
Z 20s 3.20um
N 16s 1.10um
E 16s 2.20um
pP 02 06.90
PP 02 16.20
eS 04 49.80

08d 02h

SHK	17.81	238	eP	02	34.50	-1.7	PMR	37.42	43	P	05	40.40	0.2	FRI	0.6s	8.00nm	5.0mb				
CN2	18.18	273	Pc	02	39.30	-1.4	GTA	1.0s	20.00nm			5.0mb		BONR	64.31	63	eP	09	02.50	-0.7	
	0.7s	100.00nm			5.1mb			37.64	279	eP	05	42.80	0.2	TNP	64.58	61	P	09	05.50	0.2	
Z	18s	6.80um			3.7Msz		Z	16s	30.00nm			5.1mb		OBN	65.16	60	P	09	09.20	0.2	
N	17s	1.20um					E	12s	0.90um			4.7MszX		HYB	65.33	325	eP	09	07.00	-2.4	
E	17s	1.90um							0.70um					NUR	65.50	270	ePc	09	10.50	-0.6	
		sP	02	52.00					sP	05	54.20				1.0s	50.00nm	5.5mb				
		eS	05	57.00					PcP	08	00.00				65.52	334	eP	09	08.30	-2.3	
		esS	06	16.00					S	11	26.00				0.8s	22.70nm	5.3mb				
SNY	20.09	269	Pc	03	01.00	-1.5	GZH	37.85	246	Pc	05	44.00	-0.2	ISA	65.92	63	eP	09	13.00	-0.7	
	0.8s	100.00nm			5.2mb		FBA	37.94	37	P	05	45.20	0.6	MAIO	66.04	298	iPc	09	14.40	-0.1	
Z	18s	2.60um			4.6Msz			1.1s	117.19nm			5.7mb				eS	18	04.00			
N	15s	1.10um					BAG	38.66	231	eP	05	50.10	-1.2	CLC	66.37	62	eP	09	16.00	-0.5	
E	14s	1.40um					KLU	38.96	43	P	05	53.90	0.6			e	09	45.00	117kmX		
		sP	03	16.00			CD2	39.28	265	iPc	05	56.60	0.4	DUG	66.43	56	P	09	17.30	0.3	
		PP	03	22.50				0.9s	200.00nm			5.9mb		FRB	66.55	18	ePc	09	15.70	-1.4	
		S	06	34.00					pP	06	10.00	51km			0.7s	69.00nm	5.8mb				
		sS	06	50.00					S	11	49.00			BW06	66.60	52	P	09	17.80	-0.3	
YAK	20.44	331	eP	03	04.30	-1.6	GYA	40.00	257	iPc	06	02.00	-0.3			0.9s	21.54nm	5.2mb			
		iPP	03	23.00	92kmX			1.2s	100.00nm			5.5mb		QIS	66.71	192	iPc	09	17.70	-0.9	
		ePP	03	34.00			N	16s	0.40um					SBB	66.96	64	eP	09	20.00	-0.3	
		iPPP	03	47.00			E	16s	0.50um					WB2	67.02	197	iPd	09	19.60	-1.0	
		eS	06	47.00					sP	06	18.00				0.7s	53.50nm	5.7mb				
		ePcP	07	06.00					PcP	08	07.40			WRA	67.02	197	P	09	19.00	-1.6	
		iSS	07	21.00					S	12	00.00				0.7s	50.50nm	5.7mb				
		iSSS	07	36.00			PLP	40.90	221	iPc	06	10.50	0.9	MWC	67.11	64	eP	09	21.00	-0.4	
		iScS	14	27.00			INK	43.37	32	eP	06	30.00	0.8	GSC	67.20	62	eP	09	22.00	0.2	
		iPSP	14	52.00				1.0s	118.00nm			5.6mb		RVR	67.69	64	eP	09	24.00	-0.8	
DL2	22.63	263	P	03	28.00	-0.1	CGP	43.42	220	iPd	06	30.00	-0.2	PEC	67.89	64	P	09	25.90	-0.3	
	1.2s	300.00nm			5.6mb			0.8s	17.00nm			4.8mb		MSU	67.90	57	P	09	26.80	0.4	
Z	32s	1.00um			4.0MszX		KMI	43.55	259	Pc	06	31.50	0.0	POO	68.04	274	iPc	09	22.30	-4.9X	
N	14s	0.60um					Z	18s	0.70um			4.6Msz			0.9s	58.82nm	5.6mb				
		S	07	30.00					pP	06	44.50	48km		UPP	68.11	337	iP	09	25.60	-1.4	
BJI	25.96	270	eP	04	00.50	0.5			eS	12	58.00			PLM	68.43	64	eP	09	28.00	-1.7	
	1.0s	110.00nm			5.4mb		WMO	43.90	291	P	06	34.50	0.5	TPC	68.45	63	eP	09	29.00	-0.6	
Z	20s	2.09um			4.7Msz			0.8s	50.00nm			5.3mb		AKU	68.65	355	iP	09	31.30	1.1	
E	14s	0.96um					Z	28s	0.80um			4.5MszX			0.9s	23.53nm	5.2mb				
		eS	08	24.00			N	15s	0.90um					RSSD	68.67	48	P	09	30.40	-0.7	
		esS	08	44.00				46.12	19	ePc	06	51.00	-0.2	NB2	68.74	340	P	09	29.90	-1.1	
TIA	27.06	262	Pc	04	10.10	-0.1	MBC	1.0s	25.00nm			5.1mb			0.7s	25.40nm	5.3mb				
Z	35s	1.10um			4.2MszX		LSA	48.81	273	Pc	07	15.00	1.6	GBA	68.88	268	Pd	09	32.00	-0.4	
		S	08	38.00			CHG	50.39	256	ePc	07	26.00	1.0		0.7s	20.50nm	5.2mb				
SSE	27.30	248	Pc	04	13.00	0.7		1.0s	37.50nm			5.4mb		DZM	68.88	165	iPc	09	32.90	0.6	
	1.2s	75.00nm			5.2mb		NST	51.81	252	eP	07	37.00	1.3	HFS	68.92	339	eP	09	30.50	-1.5	
Z	20s	0.70um			4.2Msz		YKA	52.69	36	eP	07	41.10	-0.7		0.6s	42.50nm	5.6mb				
E	12s	0.30um						0.8s	17.10nm			5.1mb		Z	20s	0.68um	4.9Msz				
		pP	04	22.00	32kmX		KHT	53.47	252	eP	07	49.00	0.9			LR	35	52.00			
		sP	04	27.00			GUN	53.58	274	Pc	07	49.28	0.0	BAR	69.00	65	eP	09	33.00	0.0	
NJ2	28.23	252	Pc	04	20.60	-0.2		1.2s	833.00nm			6.6mb X		GLA	69.91	63	eP	09	39.00	0.4	
	1.0s	100.00nm			5.4mb			0.6s	377.00nm			6.6mb X		ASPA	70.73	197	iPc	09	43.60	0.1	
Z	18s	0.90um			4.4Msz			54.12	274	Pc	07	53.08	-0.1		1.1s	36.30nm	5.3mb				
E	18s	1.20um					PKI	0.9s	301.00nm			6.3mb		GOL	71.00	52	P	09	45.70	0.3	
		pP	04	36.00	64kmX			54.39	275	Pc	07	55.04	0.0		1.0s	17.50nm	5.0mb				
HHC	28.86	275	Pc	04	26.00	-0.6	GKN	0.8s	607.00nm			6.7mb X		GLD	71.05	52	P	09	46.40	0.8	
	1.8s	2.70um			4.9Msz			56.27	54	P	08	08.90	0.7		1.3s	28.74nm	5.1mb				
N	15s	1.00um					GMW	56.60	56	P	08	10.80	0.1	IR7	71.82	303	iPc	09	51.00	0.8	
E	19s	2.20um					BMW	57.07	51	ePc	08	13.00	-1.0	RMQ	71.84	182	iPd	09	51.70	1.6	
TIY	29.60	268	iPc	04	33.40	0.2	PNT	57.81	244	eP	08	20.00	0.6	IR4	71.97	302	iPc	09	52.50	1.4	
	1.0s	40.00nm			5.1mb		SNG	57.84	340	eP	08	19.00	0.0	IR1	71.97	302	iPc	09	51.50	0.4	
Z	28s	1.40um			4.4MszX		KEV		e	09	10.00	226kmX		MBL	72.27	210	iPc	09	51.90	-0.8	
E	19s	2.10um								08	27.00	-0.7	BSD	72.92	335	iPd	09	55.10	-1.0		
		S	09	30.00			NEW	59.03	51	P					0.7s	12.00nm	5.0mb				
BTO	30.04	275	eP	04	36.50	-0.6		1.0s	28.13nm			5.3mb		ANMO	73.69	57	P	10	01.50	0.3	
	1.8s	1.50um					NDI	59.12	281	iPc	08	28.30	-0.2	ALQ	73.69	57	eP	10	01.00	-0.3	
E	18s	1.60um					SOD	59.70	338	iP	08	30.00	-1.1		0.9s	14.08nm	4.9mb				
		sP	04	50.00					i	09	17.80	205kmX		SCH	74.90	22	eP	10	07.00	-0.7	
WHN	32.19	255	iPc	04	55.50	-0.4	KGM	60.18	238	ePc	08	36.80	1.0	NANU	75.15	214	iPc	10	09.90	0.5	
	0.6s	100.00nm			5.8mb		WDC	60.37	61	ePc	08	37.20	0.3	KRA	75.60	330	ePc	10	11.20	-0.5	
		pP	05	09.50	56kmX				ePp	08	49.70	44km			0.6s	41.00nm	5.6mb				
XAN	33.91	265	Pc	05	10.50	-0.4	MTN	60.93	202	eP	08	40.20	-0.6	Z	20s	2.40um	5.5Msz				
N	11s	0.30um					SES	60.97	46	eP	08	39.00	-2.0	E	20s	1.40um					
E	13s	0.50um							pP	08	57.00	69kmX				e	10	24.20	45km		
		S	10	33.00			MIN	61.08	61	eP	08	41.50	-0.5	KSP	76.17	332	iPc	10	14.50	-0.4	
TTA	34.23	41	P	05	13.60	0.2			ePc	08	53.30	41km			0.8s	25.00nm	5.2mb				
	0.8s	24.14nm			5.2mb		ORV	61.62	61	ePc	08	44.90	-0.6	SPC	76.22	329	iP	10	14.80	-0.7	
PDB	35.00	46	P	05	19.70	-0.2			ePp	08	57.50	44km		VRI	76.43	324	ePd	10	17.00	0.5	
IMA	35.56	35	P	05	24.90	0.1	BRK	62.17	63	e(P)	08	54.20	5.1X	KAS	76.79	317	eP	10	20.00	1.4	
	0.8s	27.59nm			5.2mb		BKS	62.19	63	eP	08	49.60	0.4	CLL	76.80	334	iPc	10	18.00	-0.4	
LZH	36.41	272	iPc	05	32.50	0.2		0.7s	19.00nm			5.3mb			0.9s	56.00nm	5.6mb				
	1.5s	160.00nm			5.7mb		FFC	62.53	39	iPc	08	50.70	-0.6			iPp	10	41.30	88kmX		
Z	28s	1.29um			4.6MszX			0.8s	53.00nm			5.7mb		EKA	77.01	345	Pd	10	19.70	0.2	
E	12s	0.36um							sP	08	55.10	-0.1									

PRU	77.47	333	Pc	10	22.40	0.2	0.8s	24.20nm	5.3mb	GBTN	84.97	42	P	11	02.00	0.1				
	1.1s	26.00nm			5.2mb		Z	20s	0.52um	4.9msz	SBF	85.14	334	eP	11	02.60	0.0			
Z	18s	0.90um			5.1msz		BSF	81.72	336	iPc	10	45.00	-0.2			5.4mb				
N	19s	0.80um						0.8s	24.20nm	5.3mb	NAV	85.17	39	P	11	03.30	0.4			
E	16s	0.40um					WVLY	81.79	35	P	10	45.60	0.1	TKL	85.19	42	P	11	03.40	0.5
		e	11	02.00	161kmX		SKO	81.80	324	iPc	10	46.10	0.5	RDP	85.30	330	P	11	03.60	0.2
CMP	77.61	324	ePc	10	26.00	3.0X		0.6s	114.00nm	6.1mb	ORI	85.41	327	Pc	11	04.70	0.8			
STK	77.66	188	iPc	10	24.10	0.9	BBS	81.85	336	P	10	45.95	0.2	BLA	85.42	39	P	11	04.40	0.3
	0.7s	5.80nm			4.7mb		PVY	81.87	326	iPc	10	45.33	-0.7		0.9s	30.99nm		5.5mb		
MOX	77.80	335	iPc	10	24.00	0.0	VAY	81.88	323	iPc	10	46.20	0.3	RJF	85.46	339	iPc	11	05.00	0.9
	1.4s	42.00nm			5.3mb			0.8s	105.00nm	5.9mb		1.0s	64.00nm		5.8mb					
WTS	77.93	338	iPc	10	24.90	0.3	NKY	82.07	326	iPc	10	46.37	-0.7	Z	22s	0.75um		5.0msz		
	0.7s	55.00nm			5.7mb		LOMF	82.15	336	P	10	47.57	0.2	NPS	85.52	318	iPd	11	03.50	-1.1
HOF	78.01	335	eP	10	25.00	-0.2	BRY	82.17	327	iPc	10	46.72	-0.9	VL1	85.55	321	eP	11	02.70	-2.0
	0.8s	21.00nm			5.2mb		TTG	82.29	326	iPc	10	47.70	-0.3	CVL	85.62	37	P	11	05.10	0.1
SRO	78.07	330	iP	10	26.10	0.7	PHP	82.45	325	iPc	10	48.60	-0.3	FRF	85.65	335	eP	11	05.50	0.4
ZST	78.17	330	iP	10	26.20	0.2	HCY	82.57	327	iPc	10	48.68	-0.8		1.2s	56.55nm		5.6mb		
MEO	78.29	52	iPc	10	26.50	-0.5	BDV	82.58	326	iPc	10	49.73	0.1	CAF	85.67	338	iPc	11	06.50	1.3
VKA	78.38	331	eP	10	27.50	0.3	BNH	82.66	29	P	10	50.40	0.4	MGR	85.68	327	P	11	04.80	-0.5
		e	10	38.00	34km		ULC	82.69	326	iPc	10	50.20	0.0	CSI	85.72	327	P	11	05.50	0.0
KHC	78.53	333	iPc	10	28.50	0.5	FLN	82.69	341	iPc	10	50.20	0.2	ROI	85.78	326	P	11	06.40	0.5
	1.0s	33.80nm			5.3mb			0.8s	61.80nm	5.7mb	NA2	85.80	36	P	11	06.60	0.7			
Z	18s	1.00um			5.2msz		Z	20s	0.38um	4.8msz	TDS	85.80	327	P	11	06.30	0.4			
N	18s	0.50um					LDF	82.77	341	iPc	10	50.60	0.1	LRG	85.84	335	iPc	11	06.70	0.7
E	18s	0.60um						1.0s	48.00nm	5.5mb		0.9s	52.40nm		5.8mb					
		e	10	52.50	91kmX		LACI	82.78	325	iPd	10	50.50	-0.1	Z	20s	0.68um		5.0msz		
WET	78.74	333	iPc	10	29.60	0.4	OHF	82.79	324	eP	10	50.50	-0.3	PGF	85.84	333	eP	11	06.30	0.1
	1.0s	82.00nm			5.7mb			0.8s	109.00nm	6.0mb		1.0s	28.00nm		5.4mb					
TUL	78.96	49	ePd	10	27.30	-3.3X	VAI	82.92	334	Pd	10	51.60	0.3	LMR	85.90	335	iPc	11	06.80	0.5
	1.0s	359.50nm			6.3mb		TIR	82.97	325	eP	10	50.50	-1.1		0.9s	70.45nm		5.9mb		
Z	22s	1.19um			5.2msz		MDSJ	82.97	309	Pc	10	53.25	1.3	LFF	85.99	339	iPc	11	07.10	0.3
		LR	37	30.20			SALJ	82.99	309	Pc	10	53.19	1.2		1.0s	80.00nm		5.9mb		
DMU	79.02	347	iPc	10	30.50	-0.1	LOR	83.03	338	iPc	10	52.00	0.1	LPO	86.12	339	iPc	11	08.60	1.2
	1.0s	123.00nm			5.8mb			0.6s	28.20nm	5.5mb		1.0s	64.00nm		5.8mb					
EYL	79.13	318	iP	10	32.10	0.5	Z	20s	0.85um	5.1msz	CZ1	86.26	326	P	11	06.80	-1.3			
ENN	79.28	338	iPc	10	32.00	0.0	GRR	83.13	341	iPc	10	52.80	0.5	PRM	87.14	42	P	11	13.50	0.9
	0.8s	66.00nm			5.6mb			1.0s	132.00nm	6.0mb	SO1	87.28	326	P	11	12.60	-0.5			
MEM	79.40	338	iPc	10	32.69	0.0	CSTJ	83.13	308	Pc	10	53.86	1.2	JSC	87.49	41	P	11	14.60	0.4
DCN	79.61	347	iPc	10	33.80	0.0	MASJ	83.19	309	Pc	10	54.15	1.1	LHS	87.53	40	P	11	14.80	0.4
UCC	79.65	339	P	10	34.50	0.5	LBF	83.26	338	iPc	10	53.10	0.0	EPF	87.88	339	eP	11	16.90	0.8
YRH	79.66	345	eP	10	34.00	0.0		0.6s	16.25nm	5.3mb		1.0s	23.00nm		5.4mb					
SNF	79.93	339	Pc	10	35.60	0.1	SSF	83.31	338	iPc	10	53.40	0.1	SGS	88.73	41	P	11	21.40	1.2
BHG	79.99	333	eP	10	36.50	0.6		0.8s	40.30nm	5.5mb	LKO	121.12	333	PKPc	17	19.02	-0.8			
	0.9s	38.00nm			5.4mb		MKRJ	83.36	309	P	10	54.92	1.0		0.7s	17.00nm				
ETA	80.06	346	eP	10	36.50	0.3	ORX	83.37	335	P	10	52.60	-1.2	TIC	123.65	331	PKP	17	24.26	-0.5
FVM	80.13	45	P	10	36.80	0.0	LPF	83.50	341	iPc	10	54.90	0.7	KIC	123.82	330	PKP	17	24.50	-0.5
DOU	80.23	339	P	10	37.20	0.0		1.0s	100.00nm	5.8mb		0.8s	10.50nm							
	0.7s	15.50nm			5.1mb		ARG	83.56	317	eP	10	54.50	-0.2	LIC	124.04	331	PKP	17	24.90	-0.6
		e	11	49.10	308kmX		AVF	83.60	338	iPc	10	55.20	0.4	BFT	129.21	272	e(PKP)	17	35.00	-0.4
MFT	80.27	320	iP	10	37.60	-0.1		1.2s	86.30nm	5.7mb	SLR	130.47	273	ePKP	17	36.00	-1.7			
KBA	80.40	332	iPc	10	38.60	0.2	SMF	83.61	338	iPc	10	55.20	0.4		0.6s	13.33nm				
	1.0s	70.70nm			5.6mb		SF1	83.68	332	P	10	56.50	1.3	KSR	131.52	274	ePKP	17	39.00	-0.7
		id	10	39.10	2kmX		ARV	83.69	331	Pd	10	56.00	0.7	SEK	132.53	271	iPKPc	17	42.40	0.9
GWF	80.45	336	P	10	38.21	-0.2	BOB	83.71	333	P	10	56.00	0.6		0.8s	11.19nm				
ECB	80.48	346	eP	10	38.70	0.3	LSD	83.78	335	P	10	56.50	0.5	BLF	134.01	271	e(PKP)	17	34.00	-10.3X
KGT	80.53	320	eP	10	39.60	0.7	TPE	83.80	324	eP	10	54.50	-1.3	SPA	135.48	180	ePKP	17	46.00	0.1
PTJ	80.54	330	iPc	10	38.50	-0.5	MME	83.82	332	P	10	57.60	1.4		0.7s	15.63nm				
ECP	80.59	346	eP	10	39.40	0.4	LPL	83.85	336	iPc	10	57.10	0.8	ZOBO	136.17	61	PKP	17	39.00	-10.3X
	0.7s	152.00nm			6.1mb			0.8s	48.35nm	5.6mb		i	17	49.00						
WATA	80.74	333	iPc	10	40.40	0.3	LPG	83.86	336	iPc	10	57.30	0.8		LR	04	22.00			
	0.9s	65.30nm			5.6mb			1.0s	70.00nm	5.7mb	LPB	136.39	61	PKP	17	49.50	0.0			
RDO	80.75	321	iPc	10	40.10	0.0	CRE	83.91	331	P	10	57.10	0.6	CNCB	136.67	61	PKP	17	39.00	-11.2X
WTTA	80.79	333	iPd	10	40.60	0.2	BGF	83.95	338	iPc	10	57.00	0.4		i	17	51.00			
	0.7s	48.10nm			5.6mb			1.0s	38.00nm	5.4mb		i	21	19.00						
		ic	10	40.90	1kmX		BDI	83.97	332	P	10	57.20	0.4	SIV	140.09	53	PKP	17	45.40	-10.4X
LJU	80.91	331	eP	10	40.00	-0.8	RSP	84.02	335	P	10	56.29	-0.8	PEL	145.87	83	iPKPc	18	05.50	0.1
		e	10	40.50	2kmX		PCP	84.19	334	P	10	57.22	-0.6	TACH	145.97	84	ePKP	18	06.00	0.5
SOTA	80.96	333	iPd	10	41.00	-0.2	BN1	84.29	335	P	10	59.40	1.0	BAO	146.10	34	ePKPc	18	07.00	0.7
	0.9s	48.70nm			5.5mb		BHB	84.30	335	P	10	56.91	-1.5	PCH	146.25	84	ePKP	18	07.00	0.9
		ic	10	41.50	2kmX		MAF	84.34	339	iPc	10	59.50	1.0	NVL	148.03	204	ePKPd	18	11.00	3.4X
WLS	81.03	336	P	10	41.62	0.1	TCF	84.36	339	iPc	10	59.30	0.6		e	18	14.00			
CDF	81.06	336	P	10	41.62	-0.1		0.8s	43.00nm	5.6mb		e	18	24.00						
VBY	81.13	330	ePc	10	42.00	0.0	RRL	84.37	335	P	10	59.37	0.4		e	18	34.00			
VOY	81.14	331	eP	10	40.90	-1.2	CKI	84.38	334	P	10	58.60	-0.1		e	19	29.00			
CEY	81.21	331	eP	10	42.00	-0.4	AQU	84.53	330	Pd	11	00.70	1.1	PPD	150.23	45	iPKPc	18	18.00	5.5X
ELC	81.27	44	P	10	43.10	0.3	LSF	84.57	339	iPc	11	00.60	0.9	ITB1	150.74	53	PKPd	18	19.10	5.9X
ECH	81.27	336	P	10	42.72	0.0	FIN	84.59	334	P	10	58.76	-1.1	ITB	150.95	53	e(PKP)	18	19.30	5.8X
OGA	81.33	333	iPc	10	43.80	0.5	TBR	84.61	33	P	10	59.90	0.0	ITB7	151.23	53	e(PKP)	18	20.20	6.2X
	0.																			

08d 02h

ML 3.4 (ATH).				
VLS	0.52	323	ePg	36 58.50 -0.5
			eSg	37 06.50
AGG	1.65	40	ePc	37 18.26 1.0
VLI	1.88	123	ePg	37 26.00 5.4X
KEK	2.16	335	ePg	37 29.00 4.4X
			eSn	38 02.50
ATH	2.18	84	ePn	37 26.00 1.1
			eSn	37 53.00
LSK	2.40	353	ePn	37 34.40 6.2X
KZN	2.61	13	ePn	37 33.00 1.8
LIT	2.62	26	ePc	37 31.38 0.2
TPE	2.64	344	ePn	37 36.50 5.0X
PAIG	3.02	43	ePc	37 35.50 -1.3
FNA	3.03	6	ePc	37 37.06 0.0
OHR	3.35	358	ePn	37 43.00 1.4
GRG	3.38	19	ePd	37 40.46 -1.5
LCI	3.48	318	P	37 42.60 -0.8
TIR	3.68	347	ePn	38 03.00 16.7X
KNT	3.71	23	ePc	37 45.34 -1.3
SOI	3.91	276	P	37 48.50 -0.9
SRS	3.91	30	ePc	37 48.10 -1.5
PHP	3.94	354	ePn	38 03.60 13.7X
TDS	4.10	299	P	37 54.10 2.0
ORI	4.22	304	P	37 54.60 0.7
SKO	4.22	5	e(Pn)	37 55.00 1.1
ATN	4.38	277	P	37 55.30 -0.9
MGR	4.85	301	P	38 03.50 0.6
HFS	22.87	351	eP	41 48.50 -3.9X
	0.5s	1.00nm		3.6mb
NB2	24.10	348	P	42 00.80 -3.5X
	0.6s	0.40nm		3.2mb

S.D. = 1.3 on 18 of 26 obs.

% JUN 08, 1991 03h 16m 08.91± 1.51s
 40.658 N ±13.1km 15.765 E ± 8.2km
 DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO	0.36	254	P	16 16.80 0.5
			eSg	16 23.70
MGR	0.54	197	P	16 18.60 -1.3
			eSg	16 27.30
ORI	0.79	138	P	16 24.00 -0.3
TDS	1.09	156	P	16 31.00 1.6
BRT	1.11	78	P	16 29.40 -0.4
			eSg	16 44.20

S.D. = 1.5 on 5 of 5 obs.

& JUN 08, 1991 05h 07m 37.68s
 60.428 N 152.646 W
 DEPTH = 118.1km
 3.1mb (1 obs.)
 SOUTHERN ALASKA (2)
 <AEIC>

RED	0.06	262	iPd	07 53.34 0.8
RSO	0.06	303	ePd	07 53.59 0.9
RS2	0.07	303	iPd	07 53.75 1.0
REF	0.07	336	ePd	07 53.53 0.8
RDW	0.10	304	eP	07 53.42 0.7
RDN	0.10	326	iPd	07 53.38 0.7
DFR	0.17	353	iPd	07 53.51 0.8
			eS	08 06.09
RDT	0.19	39	iPd	07 53.76 1.0
NCT	0.19	314	iPd	07 53.64 0.8
			eS	08 06.63
NKA	0.76	65	ePc	07 58.61 1.0
NNL	0.78	119	ePd	07 58.12 0.4
CKL	0.79	11	iPc	07 57.14 -0.8
			iS	08 12.88
BCL	0.85	8	iPc	07 57.84 -0.7
CRP	0.88	16	iPc	07 57.98 -0.9
HOM	0.92	146	eP	07 58.97 -0.1
			S	08 15.23
CGLM	0.94	19	eP	07 58.03 -1.3
PDB	1.01	231	ePd	07 58.71 -1.2
			eS	08 14.84
NCG	1.01	14	iPc	07 59.13 -0.9
BRK	1.11	126	eP	08 00.43 -0.5
			eS	08 18.15
AUE	1.13	199	eP	08 00.37 -0.8
AUH	1.14	201	ePd	08 00.67 -0.7
			S	08 18.19
CNPM	1.15	141	ePd	08 00.83 -0.6
			S	08 19.48

AUI	1.17	200	eP	08 00.71 -0.8
			eS	08 20.11
SLKM	1.20	85	iPc	08 00.90 -1.1
			S	08 19.45
SUA	1.39	41	iPc	08 03.38 -0.9
			iS	08 24.16
MCNL	1.51	215	iPc	08 04.17 -1.3
			eS	08 25.42
CDD	1.59	199	iPc	08 05.06 -1.4
			eS	08 26.06
SVW	1.61	296	iPd	08 04.39 -2.4
SEW	1.63	100	ePc	08 05.48 -1.3
SKT	1.65	19	iPc	08 05.69 -1.5
PMS	1.72	60	iPc	08 06.55 -1.5
			eS	08 30.11
PWA	1.82	46	eP	08 07.52 -1.7
SYI	1.83	176	ePd	08 07.97 -1.4
PLRM	2.07	54	iPc	08 09.84 -2.6
GHO	2.26	52	iPc	08 12.52 -2.3
KNK	2.27	62	iPc	08 12.57 -2.5
			eS	08 41.51
CUT	2.29	29	eP	08 13.52 -1.7
LTJ	2.42	97	ePc	08 14.57 -2.4
KNIM	2.44	90	iPc	08 14.09 -3.1
			eS	08 44.11
SML	2.51	55	ePc	08 15.63 -2.5
MTU	2.53	98	eP	08 16.63 -1.8
GLI	2.77	78	eP	08 17.96 -3.6
HUR	2.93	28	eP	08 21.35 -2.4
SCM	2.94	59	ePc	08 21.27 -2.6
VZW	3.06	75	ePc	08 22.33 -3.1
VZL	3.18	74	eP	08 23.95 -2.9
TRF	3.23	19	ePd	08 25.55 -2.3
KLU	3.45	69	iPc	08 27.70 -3.0
TOA	3.55	59	iPc	08 29.97 -2.1
TZL	3.85	62	eP	08 33.68 -2.3
SDG	4.00	55	eP	08 35.82 -2.3
PAX	4.26	50	ePc	08 39.35 -2.4
GLB	4.43	73	ePc	08 40.95 -3.0
NEA	4.48	20	eP	08 41.90 -2.7
WRH	4.58	26	ePc	08 42.96 -2.9
DDM	4.64	40	ePc	08 45.69 -1.1
CROM	4.70	82	eP	08 45.88 -1.9
HDA	4.79	31	ePc	08 45.95 -2.8
CCB	4.79	26	ePc	08 45.53 -3.2
TGL	4.85	82	eP	08 47.69 -2.1
MDM	4.98	22	eP	08 47.84 -3.6
FBA	5.01	24	eP	08 49.09 -2.8
BALM	5.09	79	eP	08 50.69 -2.4
GLM	5.18	26	eP	08 50.97 -3.1
CTGM	5.58	80	eP	08 58.30 -1.5
YKA	18.12	67	eP	11 39.00 -3.7
	0.7s	0.80nm		3.1mb

66 obs. associated

? JUN 08, 1991 05h 17m 54.42± 2.43s
 34.499 S ±14.0km 178.904 E ±30.4km
 DEPTH = 230.0km (geophysicist)
 4.0mb (3 obs.)

SOUTH OF KERMADEC ISLANDS (179)

HBZ	3.13	189	P	18 47.60 0.1
PUZ	3.61	188	P	18 52.40 -0.7
			eS	19 44.00
NOZ	4.17	189	eP	19 01.10 1.3
MNG	6.69	203	eP	19 32.00 0.5
			eS	20 54.10
KIW	7.10	205	eP	19 36.50 -0.3
CAW	7.26	204	P	19 38.40 -0.5
WDW	7.43	203	eP	19 40.60 -0.4
MRW	7.50	205	eP	19 40.60 -1.2
			eS	21 14.50
TCW	7.64	207	eP	19 42.90 -0.7
THZ	8.65	211	eP	19 58.60 1.6
KHZ	8.95	206	eP	20 00.90 0.2
LTZ	9.76	210	eP	20 12.10 1.0
MOZ	10.40	206	eP	20 18.30 -0.8
ASPA	40.49	273	eP	25 11.80 -0.7
	1.3s	4.60nm		3.8mb
WB2	41.85	278	eP	25 24.10 0.5
	0.3s	5.10nm		4.5mb
WRA	41.86	278	P	25 27.00 3.4X
	0.3s	1.40nm		3.9mb

S.D. = 0.9 on 15 of 16 obs.

JUN 08, 1991 06h 14m 22.03± 0.46s
 34.531 N ± 5.4km 23.892 E ± 4.4km

DEPTH = 33.0km (normal)
 4.2mb (16 obs.) 3.3msz (2 obs.)
 CRETE ML 3.9 (ATH). MD 4.3 (HLW). (370)

NPS	1.59	62	ePn	14 52.50 4.3X
ATH	3.44	358	ePn	15 14.50 0.0
ARG	3.85	63	ePn	15 23.00 2.7
YER	4.41	53	iP	15 31.70 3.2X
VLS	4.51	325	ePn	15 31.50 1.7
AGG	4.65	345	iPc	15 31.32 -0.5
PRK	5.08	21	ePn	15 38.50 0.7
ELL	5.38	64	iP	15 44.20 2.1
PAIG	5.39	358	ePd	15 41.90 -0.3
LIT	5.67	349	ePc	15 46.56 0.4
			eS	16 09.40
KZN	6.01	344	ePn	15 51.50 0.5
BCK	6.17	60	iP	15 55.40 2.1
GRG	6.52	350	ePd	15 57.92 -0.3
FNA	6.55	343	ePd	15 57.68 -1.0
SRS	6.58	358	ePd	15 58.28 -0.7
KNT	6.67	354	ePc	16 00.52 0.3
RDO	6.73	11	ePn	15 59.50 -1.5
VAY	6.86	352	ePn	16 02.50 -0.3
PPCY	6.97	85	eP	16 03.20 -1.2
OHR	7.01	340	ePn	16 02.80 -2.2
MMB	7.05	359	iPd	16 05.00 -0.5
RZN	7.17	5	iPd	16 07.00 -0.5
KDZ	7.21	9	eP	16 04.00 -3.8X
SOI	7.25	301	P	16 07.60 -0.7
KKB	7.35	355	eP	16 09.00 -0.8
SKO	7.67	346	e(Pn)	16 13.00 -1.3
ATN	7.70	300	P	16 14.90 0.2
ROI	7.72	313	P	16 14.30 -0.6
			eSn	16 30.00
CSS	7.78	84	eP	16 14.00 -1.8
HLW	7.84	124	eP	16 17.25 0.6
			eS	17 45.00
TDS	7.91	312	P	16 15.50 -2.1
PCB	8.01	1	eP	16 22.00 3.0X
VTS	8.07	356	iP	16 23.00 3.1X
KOT	8.14	122	ePn	16 20.00 -0.8
JMB	8.20	14	eP	16 19.00 -2.6X
BRT	8.26	322	P	16 22.00 -0.4
MMN	8.26	313	P	16 23.80 1.3
PVL	8.75	7	eP	16 31.00 1.9
ZNT	9.59	101	eP	16 39.00 -1.9
			eS	18 21.00
DSI	10.08	104	eP	16 46.00 -1.6
			eS	18 34.00
MBH	10.45	114	eP	16 52.00 -0.7
HOL	10.83	116	ePc	16 57.50 -0.4
			eS	18 41.00
MLR	11.06	8	eP	17 02.00 1.0
ZST	14.56	342	eP	18 01.80 14.3X
BHG	15.55	331	iPc	18 06.50 6.2X
KHC	16.46	335	P	18 15.50 3.5X
	1.1s	12.50nm		4.0mb
			e	18 20.00
WET	16.72	334	iPc	18 18.30 3.1X
	1.2s	33.00nm		4.3mb
PRU	16.90	339	P	18 19.50 2.0
			e	18 27.00
			e	18 35.00
MOX	18.43	335	e(P)	18 43.00 6.6X
BSF	18.44	321	eP	18 37.50 0.8
	0.6s	3.60nm		3.7mb
CLL	18.53	338	eP	18 37.00 -0.7
LOR	19.71	316	eP	18 51.80 0.3
	0.6s	3.60nm		3.8mb
	2.2s	0.08um		4.5msz
BGF	19.93	313	eP	18 54.00 0.2
	1.0s	16.00nm		4.3mb
MEM	20.69	326	P	19 06.10 4.5X
ENN	20.84	327	eP	19 08.00 4.9X
	0.7s	10.00nm		4.3mb
DOU	21.01	324	Pc	19 05.00 0.1
	0.7s	5.50nm		4.1mb
WTS	21.34	330	eP	19 09.00 0.8
	0.9s	10.00nm		4.2mb
MFF	21.79	311	eP	19 13.90 1.1
	0.8s	8.05nm		4.2mb
LDF	22.69	316	eP	19 22.00 0.3
	0.8s	14.80nm		4.5mb
LPF	22.96	314	eP	19 24.90 0.6
	0.8s	12.10nm		4.4mb
FLN	22.98	316	eP	19 24.80 0.3

0.8s	13.45nm	4.5mb	GIB	1.11 120 P	09 48.70 -0.5			
Z	20s	0.08um		eSg	10 05.50			
GRR	23.02 314 eP	19 25.10 0.2	FAI	1.44 151 Pd	09 55.30 1.5			
	0.9s	11.45nm		eSn	10 14.50			
HFS	26.47 349 eP	19 56.00 -1.6	MNO	1.60 112 P	09 55.90 -0.5			
	0.5s	9.20nm		eSn	10 17.00			
Z	18s	0.11um	ATN	2.12 100 P	10 02.50 -1.2			
	LR	30 15.00	MEU	2.21 130 Pd	10 04.50 -0.6			
NB2	27.76 347 P	20 07.70 -1.7		eSn	10 33.00			
	0.7s	2.10nm	SOI	2.60 99 P	10 09.40 -1.1			
EKA	27.97 326 P	20 15.00 3.7X	CZI	2.68 74 P	10 10.50 -1.2			
	0.9s	3.20nm	TDS	2.96 67 P	10 15.40 -0.2			
KIC	38.53 230 P	21 44.60 1.4	CSI	2.97 64 P	10 18.00 2.2			
GKN	51.66 80 P	23 28.90 0.8	ROI	3.10 69 P	10 19.10 1.4			
	0.7s	65.00nm	PGF	4.94 325 Pn	10 45.80 2.0			
KKN	52.27 80 P	23 33.54 0.8		Sn	11 41.00			
	0.7s	54.00nm	LMR	6.76 317 Pn	11 08.50 -0.8			
PKI	52.46 80 P	23 35.04 0.7	FRF	6.84 319 Pn	11 08.60 -1.9			
	0.7s	65.00nm	LRG	6.92 317 Pn	11 11.30 -0.3			
GUN	52.71 79 P	23 37.08 0.9		S.D. = 1.4 on 16 of 16 obs.				
	0.7s	64.00nm						
S.D. = 1.2 on 56 of 70 obs.								
? JUN 08, 1991 06h 41m 12.22 ± 0.80s								
37.670 N ± 12.8km 22.413 E ± 7.3km								
DEPTH = 33.0km (normol)								
SOUTHERN GREECE (368)								
MD 3.4 (ATH).								
VLI	1.04 156 iPgc	41 30.50 0.0	RTLL	0.66 262 iPd	54 21.20 0.2			
ATH	1.08 73 ePg	41 31.00 0.0	RTRS	1.85 305 iPd	54 39.80 0.0			
VLS	1.53 290 ePn	41 51.00 13.5X	JACH	2.84 239 iPd	54 54.20 0.0			
KEK	2.89 316 ePb	42 11.50 14.6X		iS	55 21.00			
NPS	3.52 132 ePn	42 06.00 0.0	PEL	3.16 232 eP	54 58.00 -0.6			
VAY	3.65 2 ePn	42 30.80 23.1X		iS	55 32.50			
SKO	4.36 350 e(Pn)	42 39.00 21.1X	PCH	3.36 224 eP	55 02.80 1.3			
SOI	5.05 277 P	42 27.80 0.2		iS	55 42.50			
TDS	5.15 295 P	42 36.00 6.9X	TACH	3.64 228 eP	55 04.50 -0.9			
BRT	5.16 310 P	42 40.00 10.8X		iS	55 46.50			
ATN	5.52 277 P	42 34.00 -0.2	S.D. = 1.0 on 6 of 6 obs.					
MGR	5.89 297 P	42 46.60 7.1X	? JUN 08, 1991 12h 10m 21.21 ± 0.95s					
HFS	23.16 349 eP	46 28.30 11.9X	39.185 N ± 7.2km 27.554 E ± 13.3km					
	0.5s	1.70nm	DEPTH = 10.0km (geophysicist)					
S.D. = 0.2 on 5 of 13 obs.						TURKEY (366)		
? JUN 08, 1991 07h 14m 29.94 ± 4.63s								
26.141 N ± 19.3km 126.798 E ± 42.1km								
DEPTH = 127.2 ± 35.3 km								
4.4mb (6 obs.)								
RYUKYU ISLANDS (238)								
TWC	4.73 252 iPc	15 41.50 1.2	IZM	0.82 196 ePg	10 37.00 -0.1			
TWD	5.14 248 iPc	15 45.60 -0.3	DST	0.93 63 ePn	10 39.40 0.4			
	eS	16 17.90	EDC	1.18 12 ePn	10 43.00 -0.3			
TWF1	5.72 242 ePd	15 53.20 -0.6	BNT	1.20 13 ePn	10 42.90 -0.7			
	eS	16 31.10	KGT	1.28 351 iPn	10 45.70 0.8			
SSE	6.98 316 P	16 11.00 0.1	S.D. = 0.8 on 5 of 5 obs.					
	0.6s	42.00nm	? JUN 08, 1991 12h 30m 47.79s					
	eS	17 19.00	57.941 N 142.897 W					
	eLg	18 15.30	DEPTH = 10.0km (geophysicist)					
CVP	9.58 210 eP	16 55.00 9.0X	GULF OF ALASKA (15)					
LZH	21.96 302 eP	19 12.50 -1.9	<AEIC>. ML 2.7 (AEIC).					
	1.5s	28.00nm	YKU	2.31 44 eP	31 21.86 -4.6			
	sP	19 25.00	MID	2.34 311 eP	31 21.47 -5.3			
INK	69.48 23 eP	25 29.00 3.1X	PNL	2.51 45 iP	31 24.04 -5.3			
MBC	70.21 13 eP	25 36.00 5.6X	TGL	2.82 1 eP	31 28.53 -5.4			
KAF	71.95 331 eP	25 41.30 0.4	BALM	3.12 5 eP	31 32.92 -5.1			
NUR	73.31 330 eP	26 07.00 18.2X		eS	32 07.29			
HFS	78.30 332 eP	26 18.30 1.3	CTGM	3.14 14 eP	31 33.33 -5.0			
	0.6s	2.10nm		eS	32 07.62			
NB2	78.82 333 P	26 21.30 1.4	LTi	3.32 311 iP	31 35.11 -5.7			
	0.9s	3.70nm	KNiM	3.47 316 eP	31 36.96 -6.0			
YKA	79.14 25 eP	26 28.20 6.7X	GLB	3.54 353 eP	31 38.41 -5.6			
	0.5s	3.80nm		eS	32 17.84			
FFC	89.24 26 eP	27 11.00 -1.5	VZW	3.64 331 eP	31 39.58 -5.8			
	1.1s	10.00nm	GLI	3.65 326 iP	31 39.44 -6.0			
S.D. = 1.5 on 9 of 14 obs.								
JUN 08, 1991 08h 09m 28.90 ± 0.68s								
38.542 N ± 7.4km 12.810 E ± 7.1km								
DEPTH = 21.4 ± 7.8 km								
SICILY (398)								
USI	0.33 60 Pc	09 36.70 0.5	VLZ	3.65 333 eP	31 39.39 -6.0			
	eSg	09 42.00		eS	32 19.18			
LVI	0.67 214 P	09 42.40 0.6	KLU	3.88 338 eP	31 43.05 -5.7			
	eSg	09 52.60	SEW	4.02 305 eP	31 44.54 -6.1			
22 obs. associated								
TZL						4.31 344 eP 31 50.11 -4.7		
KNK						4.48 323 eP 31 51.94 -5.3		
TOA						4.49 340 eP 31 52.45 -5.0		
SLKM						4.56 307 eP 31 52.66 -5.7		
CNPM						4.63 294 eP 31 54.16 -5.2		
PLRM						4.83 322 eP 31 56.34 -5.9		
GHO						4.90 324 eP 31 59.06 -4.2		
SYI						5.06 282 eP 32 01.66 -3.7		
& JUN 08, 1991 13h 57m 08.10s								
58.574 N 152.041 W								
DEPTH = 39.8km								
KODIAK ISLAND REGION (13)								
<AEIC>. ML 2.8 (AEIC).								
SYI	0.19 281 iP	57 14.83 -0.4						
	eS	57 20.02						
KDC	0.86 196 eP	57 23.44 -0.4						
	S	57 34.59						
XLV	0.90 10 eP	57 23.90 -0.5						
	eS	57 36.38						
CDD	0.91 294 iP	57 23.51 -1.1						
	S	57 35.69						
CNPM	1.04 23 eP	57 25.80 -0.6						
AUE	1.05 319 iP	57 25.77 -0.7						
AUI	1.05 317 eP	57 25.51 -1.0						
	eS	57 39.16						
AUH	1.07 318 eP	57 26.15 -0.8						
	eS	57 39.41						
HOM	1.11 11 eP	57 26.91 -0.4						
	S	57 41.32						
MCNL	1.34 298 eP	57 29.72 -1.0						
	eS	57 47.02						
NNL	1.52 14 eP	57 32.71 -0.5						
PDB	1.65 319 eP	57 33.87 -1.1						
	eS	57 53.53						
RED	1.89 349 eP	57 37.24 -1.3						
	eS	58 00.01						
RSO	1.93 349 eP	57 38.54 -0.7						
RS2	1.93 349 eP	57 38.47 -0.8						
	eS	58 01.32						
REF	1.95 350 eP	57 38.24 -1.4						
	eS	58 01.69						
RDW	1.95 349 iP	57 38.37 -1.3						
	eS	58 01.92						
RDN	1.98 350 eP	57 38.72 -1.3						
	eS	58 02.70						
RDT	2.01 355 eP	57 38.77 -1.6						
	eS	58 04.05						
SEW	2.03 40 eP	57 37.91 -2.6						
NCT	2.04 348 eP	57 39.59 -1.3						
DFR	2.05 351 eP	57 39.50 -1.5						
SLKM	2.15 25 eP	57 40.43 -1.9						
LTi	2.60 54 eP	57 46.62 -2.1						
CKL	2.64 357 eP	57 47.79 -1.5						
CRP	2.70 359 eP	57 48.98 -1.3						
BGL	2.70 356 eP	57 48.68 -1.5						
CGLM	2.74 0 eP	57 49.26 -1.5						
KNiM	2.83 49 eP	57 49.18 -2.7						
NCG	2.84 359 eP	57 50.47 -1.7						
PMS	2.96 24 eP	57 52.01 -1.7						
SKT	3.43 4 eP	57 58.30 -2.1						
KLU	4.24 44 eP	58 08.67 -3.3						
33 obs. associated								
? JUN 08, 1991 14h 00m 56.91 ± 0.87s								
39.114 N ± 7.4km 27.634 E ± 13.0km								
DEPTH = 10.0km (geophysicist)								
TURKEY (366)								
MD 2.5 (ISK).								
IZM	0.77 202 ePg	01 12.00 0.0						
DST	0.91 57 ePn	01 14.40 0.0						
EDC	1.24 8 ePn	01 20.00 0.0						
BNT	1.26 10 iPn	01 20.40 0.1						
KGT	1.36 349 iPn	01 21.80 -0.1						
S.D. = 0.1 on 5 of 5 obs.								
JUN 08, 1991 14h 07m 52.63 ± 1.47s								
8.822 N ± 5.1km 127.087 E ± 12.0km								
DEPTH = 58.0 ± 12.6 km								
4.8mb (12 obs.) 4.0MsZ (2 obs.)								
PHILIPPINE ISLANDS REGION (248)								
DAV	2.28 221 eP	08 31.00 2.4						
	1.4s	762.79nm						
CGP	2.39 261 iPc	08 31.00 0.9						
	eS	09 19.00						
PLP	3.12 318 ePd	08 39.00 -1.5						
	eS	08 58.00						
MAP	3.41 296 ePd	08 43.00 -1.5						
	iS	09 24.00						
MNI	7.66 197 ePd	08 45.50 -58.7X						
BAG	9.86 321 eP	10 24.00 9.5X						
QIZ	19.55 303 eP	12 17.00 -1.6						

08d 14h

N 13s 0.60um	15 58.00	HRT 0.63 64 iPg 32 23.90 -0.2	RKG 39.45 220 eP 59 59.00 0.4
SSE 22.83 347 Pc	12 52.50 0.9	CTT 0.71 328 iPg 32 25.90 0.5	OZH 41.16 320 eP 00 13.00 0.3
1.2s 30.00nm	4.6mb	BNT 0.79 256 ePg 32 26.60 -0.3	IIDJ 42.10 349 P 00 19.60 -0.7
Z 20s 0.50um	4.0Msz	EDC 0.83 256 ePg 32 27.00 -0.6	CHJJ 42.47 351 P 00 23.20 -0.1
N 10s 0.20um		EYL 0.94 89 iPg 32 29.40 -0.1	TSRJ 42.55 347 P 00 24.00 0.1
sP 13 09.50		DST 0.97 194 ePn 32 30.40 0.5	TCW 42.83 149 eP 00 26.70 0.6
NJ2 24.35 343 Pc	13 07.20 0.9	KGT 1.24 266 ePn 32 34.90 0.4	KIW 42.90 148 P 00 27.50 0.7
KNA 24.47 176 eP	13 08.00 0.4	MFT 1.27 281 ePn 32 35.00 -0.2	MNG 43.03 147 P 00 28.50 0.7
0.9s 21.00nm	4.6mb	S.D. = 0.5 on 8 of 8 obs.	MAT 43.08 350 eP 00 27.00 -1.3
WHN 24.67 333 Pd	13 12.00 2.6	JUN 08, 1991 14h 52m 31.45±0.65s	1.4s 37.21nm 4.9mb
4.0s 500.00nm	5.4mb X	6.032 S ± 3.4km 146.669 E ± 4.7km	eS 07 08.00
IPM 26.22 262 ePc	13 30.30 6.2X	DEPTH = 50.7 ± 6.1 km	CAW 43.16 148 eP 00 28.90 0.0
1.3s 101.50nm	5.2mb	5.2mb (23 obs.)	MTMJ 43.20 350 P 00 28.70 -0.6
TIA 28.73 343 eP	13 46.70 0.0	EAST PAPUA NEW GUINEA REGION (207)	WDW 43.24 149 eP 00 29.70 0.3
XAN 30.15 329 P	13 58.00 -1.4	CENTROID, MOMENT TENSOR (HRV)	NIJ 43.64 351 P 00 32.60 -0.1
TIY 31.67 338 Pc	14 12.70 0.0	Data Used: GDSN	OIZ 44.00 305 eP 00 36.30 0.3
Z 14s 0.36um	4.2MszX	L.P.B.: 17S, 24C	KGM 44.02 279 ePc 00 37.50 1.3
N 17s 0.42um		Centroid Location:	SSE 44.23 328 Pc 00 38.00 0.4
QIS 31.68 157 iPc	14 11.50 -1.5	Origin Time 14:52:35.3 0.5	1.0s 30.00nm 5.0mb
BJI 32.58 344 eP	14 20.00 -0.5	Lot 6.02S 0.06 Lon 146.80E 0.06	YAMJ 44.41 353 eP 00 40.50 1.5
Z 20s 0.30um	4.0Msz	Dep 32.2 5.0 Half-duration 1.5	OFUJ 45.12 355 eP 00 45.00 0.4
ASPA 32.97 168 iPd	14 22.50 -1.7	Moment Tensor: Scale 10**16 Nm	NJ2 46.22 327 Pc 00 54.00 0.6
1.3s 10.60nm	4.5mb	Mrr= 6.37 0.35 Mtt=-6.23 0.46	AOMJ 46.72 353 eP 00 58.90 1.7
e 17 08.00		Mff=-0.13 0.57 Mrt=-1.38 1.20	IPM 46.78 282 ePd 01 02.40 4.2X
SNY 33.02 355 eP	14 24.20 -0.1	Mrf=-1.68 0.94 Mtf= 2.42 0.38	1.2s 116.30nm 5.7mb
S 19 41.00		Principal Axes:	WHN 47.75 321 eP 01 06.50 0.9
LZH 34.42 326 eP	14 37.00 0.2	T Vol= 7.07 Plg=72 Azm=119	1.5s 100.00nm 5.6mb
1.5s 23.00nm	4.9mb	N 0.06 18 287	sP 01 23.50
Z 16s 0.44um	4.3MszX	P -7.12 3 18	SNG 47.79 285 eP 01 07.00 0.9
sP 14 50.50		Best Double Couple: Mo=7.1*10**16	TIA 50.33 329 eP 01 24.50 -0.8
HHC 34.75 339 P	14 40.00 0.5	NP1: Strike=126 Dip=45 Slip= 116	GYA 50.46 312 P 01 30.00 3.4X
WARB 34.80 181 eP	14 40.10 0.2	NP2: 272 51 67	KHT 51.95 294 eP 01 39.00 1.1
BTO 35.10 337 P	14 43.00 0.6	LAT 0.70 152 iPd 52 44.00 -1.3	SNY 52.09 338 Pc 01 37.00 -1.6
eP 14 54.00 39kmX		YYYY 0.73 253 iPd 52 46.50 0.6	Z 23s 0.90um 4.7MszX
S 20 16.00		MDG 1.18 311 iPd 52 52.50 0.7	MDJ 52.71 345 eP 01 43.00 -0.1
MDJ 35.73 3 eP	14 47.50 -0.1	MNDI 3.00 268 eP 53 22.00 4.1X	KMI 52.76 308 eP 01 44.50 0.4
GTA 39.02 326 eP	15 15.80 0.3	PMG 3.39 172 iPd 53 22.00 -1.2	1.0s 70.00nm 5.6mb
1.0s 10.00nm	4.6mb	VSG 13.32 105 eP 55 51.00 11.1X	pP 01 50.00 18kmX
MRWA 39.30 195 eP	15 18.00 0.3	SVO 13.39 104 eP 55 52.00 11.1X	1.4s 51.16nm 5.4mb
0.4s 3.00nm	4.5mb	HNR 13.58 105 P 55 45.00 1.6	CN2 53.18 341 eP 01 42.20 -4.4X
LSA 39.53 307 iP	15 20.80 0.6	QIS 15.98 205 eP 56 15.00 0.4	Z 17s 0.70um 4.8MszX
BAL 40.45 194 eP	15 27.00 -0.2	i 56 25.00	epP 01 51.00 29kmX
MUN 41.88 194 eP	15 38.70 -0.2	eS 59 07.00	XAN 53.50 321 P 01 48.30 -0.9
STK 42.78 162 eP	15 45.40 -0.9	WB2 18.29 220 iPd 56 43.10 -0.2	BJI 53.77 331 eP 01 50.50 -0.5
0.6s 4.50nm	4.4mb	0.3s 37.50nm 5.0mb	2.0s 76.00nm 5.4mb
GUN 43.20 302 P	15 49.98 -0.2	i 57 03.70	TIY 53.95 327 eP 01 51.80 -0.7
PKI 43.50 301 P	15 51.80 -0.8	eS 00 02.70	CD2 55.06 314 P 01 58.50 -2.2
KKN 43.67 301 P	15 52.50 -1.4	e 00 54.70	HHC 56.69 329 eP 02 11.20 -1.1
GKN 44.28 301 P	15 57.86 -0.9	AAI 18.55 276 eP 56 48.50 1.9	BTO 57.32 327 P 02 16.00 -0.8
IRK 47.14 341 eP	16 21.50 0.6	GUA 19.52 355 eP 56 57.10 -0.6	LZH 58.02 320 iPc 02 22.00 0.2
e 16 41.10		0.7s 131.51nm 5.3mb	1.6s 58.00nm 5.5mb
WMO 48.85 322 P	16 35.50 1.1	PJG 19.57 355 eP 56 56.80 -1.5	Z 30s 0.41um 4.4MszX
1.0s 20.00nm	5.1mb	KNA 20.04 240 eP 57 01.00 -2.2	pP 02 32.50 35kmX
Z 16s 0.40um	4.5MszX	0.7s 102.00nm 5.3mb	sP 02 37.50
sP 16 45.40		RMQ 20.44 175 iPd 57 07.60 0.3	SHL 61.76 303 eP 02 47.00 -0.7
eS 23 40.00		i 57 10.00	GTA 62.56 320 iPc 02 52.40 -0.3
ScS 26 25.00		i 57 33.00	0.8s 10.00nm 5.0mb
YAK 53.13 2 eP	17 05.80 -0.5	QLP 20.57 186 iPd 57 08.70 0.1	sP 03 09.60
MAIO 66.79 306 eP	18 41.00 0.4	ASPA 21.41 214 iPd 57 17.80 0.6	LSA 64.00 307 Pc 03 03.00 0.2
OBN 83.12 325 eP	20 14.00 0.6	0.3s 24.90nm 5.1mb	GUN 67.61 303 P 03 25.66 -0.2
1.9s *****nm	7.9mb X	eS 01 15.10	PKI 67.89 303 P 03 24.74 -2.9
INK 85.33 22 eP	20 24.00 -0.3	BRS 22.02 165 iPc 57 23.60 0.3	KKN 68.07 303 P 03 28.34 -0.2
MBC 86.94 13 eP	20 33.00 0.9	i (PP) 58 16.00	IRK 68.33 334 eP 03 28.20 -1.3
0.9s 14.00nm	5.2mb	MNI 23.03 288 ePd 57 35.00 1.8	GKN 68.67 303 P 03 31.78 -0.5
pP 20 44.00 35kmX		DZM 24.89 132 iPd 57 50.90 -0.4	YAK 69.10 352 eP 03 33.70 -0.3
HFS 93.70 333 eP	21 03.50 -0.5	COO 24.91 169 eP 57 52.00 0.7	KOD 70.78 283 eP 03 45.90 0.4
1.3s 23.60nm	5.5mb	CMS 25.34 182 eP 57 53.00 -2.3	HYB 71.16 291 eP 03 47.00 -0.4
Z 16s 0.00um	4.3MszX	CGP 26.22 303 eP 58 05.00 1.4	GBA 71.43 286 Pd 03 49.70 0.7
LR 04 20.00		WARB 27.70 221 eP 58 17.50 0.5	0.8s 17.40nm 5.0mb
KRA 94.09 322 eP	21 06.90 0.9	0.3s 7.00nm 4.8mb	WMO 72.60 319 P 03 55.50 -0.1
e 21 17.70		MBL 30.03 237 iPd 58 37.90 -0.1	NDI 75.12 302 eP 04 09.50 -0.9
NB2 94.41 334 P	21 06.80 -0.5	0.4s 14.00nm 5.0mb	SPA 84.01 180 iPc 04 57.40 -0.3
1.4s 11.10nm	5.1mb	BFD 31.23 186 eP 58 47.00 -1.4	1.0s 29.00nm 5.3mb
YKA 94.74 24 eP	21 19.80 11.0X	MEKA 33.73 229 iPd 59 10.40 0.0	INK 91.80 21 eP 05 35.00 0.3
0.8s 1.60nm		0.3s 15.00nm 5.4mb	MBC 96.77 14 eP 05 58.00 0.6
ZOBO 163.42 118 PKPc	27 53.00 1.7	NANU 34.24 238 eP 59 15.10 0.3	PNT 96.95 41 eP 06 01.00 2.2
SIV 169.31 133 PKP	27 57.20 2.1X	0.4s 12.00nm 5.2mb	YKA 99.35 28 eP 06 10.60 1.3
S.D. = 1.1 on 42 of 47 obs.		COOL 34.42 221 eP 59 15.70 -0.6	0.8s 1.30nm 4.5mb
% JUN 08, 1991 14h 32m 11.48±0.57s		MRWA 37.02 228 iPd 59 39.00 0.8	CNCB 138.91 124 ePKP 11 48.00 -7.8
40.548 N ± 6.9km 28.925 E ± 4.4km		0.4s 8.00nm 5.0mb	ZOBO 139.06 123 PKP 11 47.70 -8.4X
DEPTH = 10.0km (geophysicist)		KLB 37.12 223 eP 59 38.40 -0.7	1.4s 66.76nm
TURKEY (366)		BAL 37.27 225 eP 59 40.20 -0.2	i 11 57.00
MD 2.4 (ISK).		MUN 38.41 224 eP 59 50.00 0.1	CCH 140.10 126 (PKP) 11 58.00 0.4
			SIV 144.89 129 PKPc 12 04.00 -1.6

PPD 147.01 148 ePKP 12 09.90 1.0
 VAO 148.21 156 ePKP 12 15.40 4.5X
 BMA 149.55 160 (PKP) 12 12.00 -1.0
 KIC 151.58 272 PKP 12 23.20 7.0X
 TIC 151.86 273 PKP 12 23.64 7.0X
 LIC 151.86 272 PKP 12 23.74 7.1X
 LKO 152.30 279 PKP 12 23.96 6.7X
 BAO 154.03 146 ePKPc 12 21.50 1.8
 S.D. = 1.0 on 89 of 102 obs.

JUN 08, 1991 14h 56m 10.08 ± 0.35s
 37.090 N ± 3.7km 116.965 W ± 2.7km
 DEPTH = 5.0km (geophysicist)
 SOUTHERN NEVADA (41)
 ML 3.4 (GS).

SGV 0.12 206 iP 56 13.00 0.3
 GVN 0.31 254 iP 56 16.10 -0.4
 TMBR 0.47 97 iP 56 19.80 0.3
 YMT4 0.48 120 iP 56 20.00 0.3
 YMT2 0.49 128 iP 56 20.00 0.1
 YMT3 0.54 124 iP 56 20.70 -0.1
 CDH1 0.57 114 iP 56 21.50 0.0
 BGB 0.59 95 iP 56 22.10 0.1
 LSM 0.66 122 iP 56 22.90 -0.3
 SDH 0.67 131 iP 56 23.30 -0.2
 TNP 1.01 349 iP 56 29.00 -0.8
 BONR 1.37 309 iP 56 35.40 -0.7
 KVN 2.15 336 eP 56 48.00 0.7
 CMB 2.88 290 eP 56 58.50 1.0
 ABL 2.89 220 eP 56 59.00 1.2
 BCH 3.16 234 eP 57 01.00 -0.5
 PEC 3.20 183 eP 57 01.50 -0.5
 ARN 3.66 275 eP 57 13.00 4.5X
 PLM 3.73 179 eP 57 09.20 -0.5
 S.D. = 0.6 on 18 of 19 obs.

* JUN 08, 1991 15h 01m 11.12 ± 1.48s
 6.032 S ± 15.5km 146.782 E ± 19.5km
 DEPTH = 51.3 ± 12.8 km
 EAST PAPUA NEW GUINEA REGION (207)

LAT 0.65 161 iPd 01 24.30 -0.1
 YYYY 0.84 256 iPd 01 26.80 -0.2
 MDG 1.26 308 iPc 01 32.90 0.2
 MNDI 3.11 268 eP 02 04.00 4.9X
 PMG 3.38 174 iPd 02 02.80 0.1
 RMO 20.43 175 iP 05 47.00 0.2
 SIV 144.80 129 PKP 20 44.80 -0.2
 S.D. = 0.3 on 6 of 7 obs.

* JUN 08, 1991 15h 15m 43.63 ± 1.34s
 8.891 N ± 13.5km 127.401 E ± 15.0km
 DEPTH = 33.0km (normol)
 4.3mb (2 obs.)
 PHILIPPINE ISLANDS REGION (248)

DAV 2.55 225 eP 16 22.80 -0.7
 CGP 2.71 261 iPc 16 27.00 1.2
 PLP 3.29 314 eP 16 34.50 0.5
 MAP 3.66 293 ePc 16 38.00 -1.3
 WB2 29.46 167 eP 21 46.40 -0.5
 0.6s 3.60nm 4.3mb
 ASPA 32.98 169 eP 22 17.60 -0.2
 1.0s 4.00nm 4.3mb
 WARB 34.87 181 eP 22 35.00 0.9
 S.D. = 1.1 on 7 of 7 obs.

% JUN 08, 1991 18h 22m 36.59 ± 0.70s
 42.386 N ± 6.4km 13.252 E ± 7.1km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

AQU 0.12 106 Pc 22 39.70 0.1
 MNS 0.42 270 Pd 22 44.50 -0.8
 RMP 0.71 216 P 22 51.60 1.1
 SDI 0.80 148 P 22 51.40 -0.7
 ASS 0.81 328 P 22 51.60 -0.8

ARV 1.14 349 P 22 58.50 0.6
 CRE 1.57 323 P 23 05.00 0.4
 S.D. = 0.9 on 7 of 7 obs.

JUN 08, 1991 19h 50m 36.12 ± 1.24s
 8.505 N ± 5.6km 126.744 E ± 11.1km
 DEPTH = 58.3 ± 10.7 km
 4.7mb (13 obs.) 4.3msz (3 obs.)
 MINDANAO, PHILIPPINE ISLANDS (259)

DAV 1.82 220 eP 51 06.10 0.5
 0.7s 2498.63nm
 CGP 2.03 269 ePd 51 08.50 0.0
 PLP 3.16 327 ePc 51 24.00 -0.6
 MAP 3.27 304 ePc 51 25.50 -0.6
 MNI 7.27 195 eP 52 22.00 -0.1
 BAG 9.90 323 eP 52 58.50 0.0
 MTN 21.66 168 eP 55 23.00 -0.6
 SSE 23.07 348 Pc 55 39.00 1.7
 Z 1.2s 17.00nm 4.4mb
 E 20s 0.50um 4.0msz
 13s 0.30um

KGM 24.19 256 ePd 55 51.00 2.6
 IPM 25.84 263 ePc 56 09.40 5.3X
 WB2 29.25 165 eP 56 34.80 -0.1
 0.4s 3.70nm 4.4mb
 ASPA 32.73 168 eP 57 05.70 0.2
 1.2s 4.40nm 4.2mb

BJI 32.79 345 eP 57 05.50 -0.3
 Z 16s 0.29um 4.1mszX
 SNY 33.30 356 Pc 57 10.40 0.1
 Z 10s 10.00nm 4.6mb
 Z 20s 0.70um 4.4msz
 MEKA 35.81 193 eP 57 31.00 -0.9
 MDJ 36.06 3 eP 57 34.00 0.2
 1.0s 20.00nm 5.0mb
 SHL 37.24 301 eP 57 44.00 -0.2
 GTA 39.09 326 eP 57 59.00 -0.5
 Z 20s 0.60um 4.4msz
 LSA 39.44 307 P 58 02.80 -0.2
 GUN 43.08 302 P 58 33.44 0.8
 0.4s 20.00nm 5.3mb

PKI 43.37 301 P 58 35.14 0.1
 KKN 43.54 302 P 58 36.32 0.0
 0.4s 8.00nm 4.8mb
 GKN 44.15 302 P 58 41.46 0.3
 0.4s 9.00nm 4.9mb
 YAK 53.45 2 eP 59 52.60 0.5
 0.1 46.00

MAIO 66.70 306 eP 01 23.00 -0.4
 KEV 85.44 340 eP 03 12.00 3.7X
 INK 85.74 22 ePc 03 11.20 1.4
 MBC 87.32 13 eP 03 19.00 1.6
 0.9s 6.00nm 4.8mb
 KAF 87.40 332 eP 03 15.40 -2.6
 0.9s 3.30nm 4.5mb

NUR 88.56 331 eP 03 23.00 -0.6
 HFS 93.82 333 eP 03 46.20 -1.8
 1.3s 16.10nm 5.3mb
 NB2 94.54 334 P 03 49.80 -1.6
 0.9s 1.80nm 4.5mb
 YKA 95.17 24 eP 03 55.20 1.0
 0.9s 1.50nm 4.4mb

ZOBO 163.56 119 PKP 10 35.00 0.1
 S.D. = 1.1 on 32 of 34 obs.

* JUN 08, 1991 19h 52m 35.71 ± 1.94s
 8.669 N ± 12.8km 126.334 E ± 15.7km
 DEPTH = 90.4 ± 12.4 km
 4.7mb (10 obs.)
 MINDANAO, PHILIPPINE ISLANDS (259)

CGP 1.64 263 eP 53 03.00 -0.6
 PLP 2.82 332 eP 53 19.50 -0.1
 MAP 2.84 305 iPc 53 20.00 0.1

PGP 7.14 313 eP 54 01.00
 PPR 7.59 279 ePd 54 19.00 -0.3
 OIZ 19.02 305 eP 54 27.00 1.5
 56 52.30 -1.0

N 15s 0.66um
 E 16s 0.65um
 SSE 22.82 349 P 57 33.00 1.3
 1.0s 12.00nm 4.2mb
 Z 18s 0.50um 4.0msz
 N 12s 0.30um

eS 01 38.00
 sS 01 52.00
 NJ2 24.28 344 Pc 57 45.50 -0.3
 IPM 25.46 262 ePd 58 03.60 6.5X
 GYA 25.71 316 P 58 06.00 6.5X
 Z 18s 0.90um 4.3msz
 N 12s 0.40um
 E 12s 0.30um

XAN 29.91 330 eP 58 36.30 -0.9
 BJI 32.53 345 eP 59 01.00 1.0
 1.0s 8.00nm 4.5mb
 SNY 33.11 356 Pd 59 04.60 -0.4
 1.0s 20.00nm 4.9mb
 LZH 34.13 326 eP 59 18.00 3.9X
 Z 18s 0.54um 4.3msz
 E 18s 0.67um

CN2 35.01 359 eP 59 20.80 -0.5
 Z 20s 0.90um 4.5msz
 MDJ 35.92 4 eP 59 29.20 0.2
 1.0s 20.00nm 5.0mb
 MAIO 66.27 306 eP 03 18.00 1.3
 KEV 85.15 340 eP 05 03.00 0.4
 INK 85.74 22 eP 05 06.00 0.4
 SOD 85.78 338 eP 05 06.00 0.2
 KAF 87.07 332 eP 05 11.70 -0.5
 1.0s 9.50nm 4.8mb

MBC 87.25 13 eP 05 13.50 0.6
 0.7s 3.00nm 4.5mb
 NUR 88.22 331 iP 05 17.70 0.0
 0.7s 6.00nm 4.8mb
 HFS 93.49 332 eP 05 41.00 -1.2
 0.7s 6.30nm 5.1mb
 Z 18s 0.10um 4.3msz
 LR 43 25.00
 NB2 94.21 334 P 05 44.80 -0.8
 0.8s 2.40nm 4.7mb
 YKA 95.18 24 eP 05 50.00 0.0
 0.8s 2.20nm 4.7mb
 S.D. = 0.8 on 23 of 26 obs.

* JUN 08, 1991 19h 55m 30.99 ± 0.90s
 36.801 S ± 10.3km 144.066 E ± 8.3km
 DEPTH = 10.0km (geophysicist)
 VICTORIA, AUSTRALIA (602)
 ML 3.1 (TOO).

BFD 1.27 252 iPc 55 54.80 0.2
 TOO 1.37 124 iPd 55 55.60 -0.6
 CAN 4.26 71 e(P) 56 11.50 1.1
 56 47.80
 BWA 4.26 58 eSg 57 25.60
 eS 56 41.30 3.8X
 eSn 57 32.30
 iSg 57 51.80

STK 5.32 337 eP 56 52.60 0.3
 0.2s 3.60nm 4.7mb X
 CMS 5.50 16 eP 56 54.00 -0.9
 eS 57 53.00

S.D. = 1.1 on 5 of 6 obs.

% JUN 08, 1991 20h 10m 29.85 ± 1.79s
 17.858 N ± 17.4km 66.778 W ± 6.9km
 DEPTH = 10.0km (geophysicist)
 PUERTO RICO REGION (90)

MGP 0.33 297 P 10 36.70 0.0
 S 10 41.12
 LRS 0.44 352 P 10 38.80 0.0
 S 10 44.12
 SJG 0.65 67 iP 10 43.00 0.1
 CPD 0.84 78 P 10 46.10 0.0
 S 10 58.20

08d 20h

LPR 0.97 62 P 10 48.20 -0.2
S.D. = 0.2 on 5 of 5 obs.

& JUN 08, 1991 20h 33m 48.71s
59.598 N 153.005 W
DEPTH = 96.0km
3.3mb (1 obs.)
SOUTHERN ALASKA (2)
<AEIC>.

AUE	0.30	218	ePc	34	02.27	-0.8
AUH	0.32	224	eP	34	02.64	-0.6
AUI	0.34	219	ePd	34	02.51	-0.7
			eS	34	13.51	
PDB	0.63	288	ePc	34	04.55	-0.8
XLV	0.67	102	iPc	34	05.01	-0.7
			eS	34	17.68	
HOM	0.69	84	iPc	34	05.54	-0.4
			eS	34	18.22	
CDD	0.75	206	iPd	34	05.57	-0.9
MCNL	0.80	239	iPd	34	06.14	-0.8
			iS	34	19.53	
RED	0.83	8	iPd	34	06.51	-0.9
			eS	34	20.33	
RSO	0.88	8	iPd	34	07.18	-0.8
			eS	34	20.98	
RS2	0.88	8	iPd	34	07.20	-0.8
RDW	0.89	6	iPd	34	07.33	-0.8
			eS	34	21.72	
CNPM	0.90	94	iPc	34	07.19	-0.9
			eS	34	21.29	
REF	0.91	10	iPd	34	07.45	-0.9
RDN	0.93	7	iPd	34	07.70	-0.8
			eS	34	22.61	
NCT	0.97	2	iPd	34	08.02	-0.9
			eS	34	23.09	
NNL	0.97	62	ePc	34	08.80	0.0
DFR	1.01	9	iPd	34	08.59	-0.7
			eS	34	23.75	
RDT	1.02	17	iPd	34	08.48	-1.0
			S	34	24.02	
SYI	1.04	162	iPc	34	08.79	-0.8
			eS	34	23.95	
NKA	1.45	37	eP	34	15.40	0.9
CKL	1.64	11	iPd	34	16.33	-0.7
SLKM	1.67	56	ePc	34	16.24	-1.1
			eS	34	37.63	
BGL	1.70	10	iPd	34	17.19	-0.6
CRP	1.73	14	iPd	34	17.59	-0.6
CGLM	1.79	16	iPd	34	18.19	-0.7
NCG	1.86	13	iPd	34	19.26	-0.7
SEW	1.86	73	eP	34	18.50	-1.3
KDC	1.88	172	eP	34	18.50	-1.4
			eS	34	41.00	
SVW	2.00	320	ePc	34	20.59	-1.1
SUA	2.18	30	ePd	34	23.52	-0.7
PMS	2.38	44	iPd	34	25.69	-1.0
SKT	2.50	16	iPd	34	27.19	-1.2
			S	34	55.38	
PWA	2.57	35	ePc	34	28.40	-0.9
LTi	2.64	78	ePd	34	28.36	-1.9
MTU	2.73	79	ePd	34	30.13	-1.4
KNIM	2.75	72	ePd	34	29.30	-2.5
PLRM	2.77	42	ePd	34	29.88	-2.1
PMR	2.77	42	eP	34	29.50	-2.4
			eS	35	01.00	
KNK	2.89	49	ePd	34	31.58	-2.2
GHO	2.96	41	ePd	34	32.63	-2.1
CUT	3.12	24	eP	34	35.61	-1.1
SML	3.19	44	eP	34	35.51	-2.3
GLI	3.22	64	ePc	34	34.92	-3.2
MID	3.40	90	iPc	34	38.72	-1.9
VZW	3.53	63	eP	34	39.94	-2.5
SCM	3.58	49	eP	34	41.15	-2.0
TTA	3.65	338	eP	34	42.50	-1.6
VLZ	3.65	62	eP	34	41.62	-2.5
			eS	35	21.74	
HUR	3.76	24	eP	34	44.80	-0.8
KLU	3.98	58	iPd	34	46.11	-2.6
TRF	4.08	17	eP	34	48.91	-1.3
TOA	4.18	50	ePd	34	49.43	-2.0
RND	4.31	26	ePd	34	51.56	-1.7
TZL	4.45	53	eP	34	53.86	-1.2
MCK	4.58	23	eP	34	55.57	-1.3
SDG	4.67	48	eP	34	56.44	-1.7
BWN	4.89	19	eP	34	58.36	-2.8
GLB	4.90	64	ePd	34	58.38	-3.1

PAX	4.96	44	eP	35	00.11	-2.2
CROM	5.06	72	ePc	35	01.44	-2.3
TGL	5.21	73	eP	35	03.35	-2.4
NEA	5.33	19	ePd	35	04.73	-2.5
DDM	5.40	36	eP	35	06.36	-2.0
WRH	5.41	23	eP	35	05.89	-2.5
BALM	5.49	70	ePc	35	07.44	-2.2
HDA	5.60	28	eP	35	08.37	-2.7
CCB	5.62	23	eP	35	08.30	-3.0
RDS	5.72	21	eP	35	10.05	-2.6
MDM	5.82	20	iPc	35	11.60	-2.5
FBA	5.85	22	eP	35	11.70	-2.8
DOT	5.89	43	eP	35	12.54	-2.5
CTGM	5.97	72	eP	35	13.96	-2.3
GLM	6.01	23	eP	35	14.01	-2.7
IMA	6.50	358	eP	35	21.60	-2.0
PNL	6.90	84	ePc	35	26.16	-2.8
YKA	18.62	65	eP	37	58.10	-3.0
	0.5s			0.80nm		3.3mb
	77 obs.			associated		

JUN 08, 1991 21h 21m 51.04±0.67s
39.235 N ± 5.8km 23.575 E ± 6.0km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 2.9 (ATH).

PAIG	0.70	7	iPc	22	05.92	1.1
			eS	22	16.28	
AGG	0.99	258	iPd	22	09.24	-0.6
			eS	22	22.84	
OUR	1.14	16	ePc	22	12.68	0.3
LIT	1.20	316	ePc	22	13.80	0.3
ATH	1.27	175	ePb	22	14.10	-0.4
THE	1.47	342	ePc	22	17.76	0.2
			eS	22	37.20	
KZN	1.75	308	ePn	22	22.00	0.2
GRG	1.94	333	ePd	22	24.44	0.0
			iS	22	49.32	
KNT	1.99	345	ePc	22	25.56	0.4
			eS	22	52.20	
PRK	2.09	89	ePg	22	29.00	2.4
VAY	2.22	340	ePn	22	28.70	0.3
FNA	2.29	313	ePc	22	29.88	0.4
MMB	2.35	3	iPd	22	30.00	-0.4
RDO	2.43	38	ePn	22	29.40	-2.0
RZN	2.60	19	iPc	22	33.00	-1.0
			iS	22	06.00	
KDZ	2.79	30	iP	22	35.00	-1.6
			eS	22	09.00	
VTS	3.36	355	eP	22	45.00	0.2
			S.D. = 1.1 on 17 of 17 obs.			

& JUN 08, 1991 21h 24m 53.61s
60.918 N 138.322 W
DEPTH = 1.7km
SOUTHERN YUKON TERRITORY, CANADA (18)
<AEIC>. ML 3.2 (AEIC)

BCPM	1.17	214	eP	25	13.95	-2.2
			S	25	30.78	
PNL	1.36	204	iP	25	17.74	-1.8
			S	25	36.31	
CTGM	1.47	273	eP	25	18.39	-3.0
			S	25	39.23	
HQN	1.50	191	eP	25	19.54	-2.0
			S	25	39.40	
YKU	1.54	208	eP	25	20.63	-1.5
BALM	1.96	275	eP	25	26.50	-1.9
			S	25	52.51	
TGL	2.21	268	eP	25	30.08	-1.9
GLB	2.71	284	eP	25	38.00	-1.1
TMW	3.26	320	eP	25	44.05	-2.8
KLU	3.72	282	eP	25	51.05	-2.4
SDG	3.80	298	eP	25	51.90	-2.6
VLZ	3.90	277	eP	25	53.46	-2.5
TOA	3.95	291	eP	25	54.38	-2.2
PAX	3.95	304	eP	25	52.88	-3.9
VZW	4.01	276	eP	25	54.96	-2.6
MID	4.27	253	eP	25	57.73	-3.4
INK	7.70	13	P	26	40.00	-9.4
	1.0s			8.20nm		4.9mb
YKA	11.34	72	eP	27	44.20	4.5
	0.7s			1.20nm		4.4mb
MBC	16.71	16	eP	28	52.00	1.9
	19 obs.			associated		

? JUN 08, 1991 21h 36m 23.90±3.02s
8.658 N ± 10.0km 126.620 E ± 29.4km
DEPTH = 33.0km (normal)
4.6mb (1 obs.)
MINDANAO, PHILIPPINE ISLANDS (259)

DAV	1.87	214	eP	36	54.10	-0.1
CGP	1.92	264	eP	36	55.00	0.2
			eS	37	21.00	
PLP	2.97	327	eP	37	10.00	0.2
			eS	37	25.00	
MAP	3.08	303	ePd	37	11.00	-0.4
			iS	37	45.00	
PPR	7.87	279	ePc	38	19.00	0.1
SSE	22.89	348	P	41	30.50	4.7X
	1.2s			24.00nm		4.6mb
GUN	42.89	302	P	44	00.00	-21.7X
	S.D. = 0.4 on 5 of 7 obs.					

* JUN 08, 1991 22h 19m 29.87±1.33s
39.077 N ± 9.4km 26.378 E ± 10.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 3.4 (ISK), 3.2 (ATH).

PRK	0.19	334	iPgc	19	33.50	-0.5
			eSg	19	38.50	
EZN	0.75	357	iPn	19	43.50	-1.0
IZM	0.97	134	iPn	19	48.00	-0.3
KGT	1.55	27	iPn	19	57.90	0.4
EDC	1.71	42	ePn	20	00.00	0.2
BNT	1.75	42	ePn	20	00.30	-0.1
DST	1.82	72	ePn	20	01.70	0.1
MFT	1.84	22	ePn	20	01.00	-0.9
RDO	2.17	343	ePb	20	08.00	1.6
CTT	2.60	37	ePn	20	13.20	0.6
	S.D. = 0.9 on 10 of 10 obs.					

? JUN 09, 1991 00h 23m 23.51±6.94s
38.705 N ± 53.5km 28.830 E ± 21.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 2.5 (ISK).

DST	0.91	350	iPg	23	41.10	0.1
KGT	2.11	326	iPn	23	59.70	0.5
HRT	2.21	17	ePn	24	01.00	0.2
MFT	2.40	331	ePn	24	03.00	-0.5
CTT	2.46	353	ePn	24	03.70	-0.6
	S.D. = 0.6 on 5 of 5 obs.					

& JUN 09, 1991 00h 27m 24.60s
36.973 N 121.740 W
DEPTH = 12.0km
CENTRAL CALIFORNIA (39)
<BRK>. ML 3.0 (BRK).

GCC	0.21	286	ePc	27	29.29	-0.1
			iS	27	32.63	
SAO	0.31	131	iPc	27	30.60	-0.7
MHC	0.38	12	iPd	27	32.70	0.2
			iS	27	38.40	
PRS	0.71	155	iPd	27	37.74	-0.6
			iS	27	47.89	
PCC	0.73	316	ePc	27	38.43	-0.4
			iS	27	49.00	
8KS	0.98	337	eP	27	43.20	0.1
8RK	0.99	335	ePd	27	42.70	-0.5
			iS	27	55.90	
ZSP	1.05	337	ePc	27	43.17	-1.1
PRI	1.20	133	eP	27	45.97	-0.9
CMB	1.51	45	eP	27	50.30	-1.2
			iS	28	12.25	
FRI	1.63	89	ePd	27	52.90	-0.2
			eS	28	13.40	
ORV	2.59	4	eP	28	08.81	

JUN 09, 1991 00h 34m 03.36± 0.33s
 46.334 N ± 3.5km 1.785 E ± 3.2km
 DEPTH = 20.6 ± 3.8 km
 FRANCE (538)
 MD 3.3 (UCC)

LSF	0.20	245	Pg	34	08.90	0.3
TCF	0.30	99	Pg	34	09.60	-0.5
MAF	0.55	101	Pg	34	14.00	-0.3
BGF	0.77	73	Pg	34	17.60	-0.3
AGO	0.98	106	Pg	34	21.70	0.2
			Sg	34	33.93	
RJF	1.05	190	Pg	34	23.20	0.5
AVF	1.17	67	Pn	34	24.40	-0.2
			Pg	34	24.70	
			Sg	34	38.00	
GRC	1.31	42	Pn	34	26.65	0.2
			Pg	34	27.55	
			Sg	34	43.84	
PLDF	1.33	105	Pn	34	26.61	-0.2
			Pg	34	28.06	
			Sg	34	44.46	
MFF	1.36	282	Pn	34	27.90	0.7
			Pg	34	29.20	
			Sg	34	46.60	
SSF	1.39	58	Pn	34	27.40	-0.2
			Pg	34	28.40	
CAF	1.42	172	Pn	34	28.20	0.0
SMF	1.45	77	Pn	34	28.60	0.0
			Pg	34	30.00	
LBL	1.50	137	Pn	34	29.73	0.5
			Sg	34	51.45	
LFF	1.58	208	Pn	34	30.60	0.3
			Pg	34	33.40	
			Sg	34	51.10	
LBF	1.64	66	Pn	34	30.80	-0.6
			Pg	34	33.20	
			Sg	34	53.50	
LOR	1.70	56	Pn	34	31.60	-0.6
			Pg	34	34.00	
			Sg	34	54.70	
LPO	1.70	195	Pn	34	32.40	0.2
			Pg	34	35.10	
			Sg	34	54.90	
LPF	2.57	312	Pn	34	44.30	-0.3
LDF	2.60	331	Pn	34	44.60	-0.5
GRR	2.73	320	Pn	34	47.10	0.2
FLN	2.87	329	Pn	34	48.20	-0.7
EPF	3.46	198	Pn	34	55.20	-2.1
			Sg	35	33.70	
			Sg	35	53.40	
HAU	3.53	60	Pn	34	59.00	0.7
LPL	3.55	102	Pn	34	59.30	0.6
LPG	3.57	102	Pn	34	59.60	0.5
DOU	4.21	25	P	35	06.20	-1.6
			iS	35	51.00	
SNF	4.50	21	iP	35	14.60	2.6
MEM	5.12	32	iP	35	24.50	3.8X

S.D. = 0.9 on 28 of 29 obs.

% JUN 09, 1991 00h 43m 23.20± 0.53s
 46.363 N ± 6.3km 1.875 E ± 4.6km
 DEPTH = 12.4 ± 4.2 km
 FRANCE (538)

TCF	0.24	108	Pg	43	29.30	0.7
LSF	0.26	245	Pg	43	28.70	-0.3
MAF	0.50	106	Pg	43	33.80	0.4
			Sg	43	40.70	
BGF	0.70	73	Pg	43	37.30	0.5
			Sg	43	47.20	
RJF	1.09	193	Pg	43	43.00	-0.4
			Sg	43	56.80	
AVF	1.11	67	Pg	43	44.70	1.0
			Sg	43	58.50	
SSF	1.32	57	Pn	43	47.40	0.0
			Pg	43	48.60	
			Sg	44	04.00	
SMF	1.39	78	Pn	43	48.40	0.1
			Pg	43	49.90	
			Sg	44	08.10	
MFF	1.42	280	Pg	43	49.30	0.6
			Sg	44	06.50	
CAF	1.44	175	Pn	43	48.00	-1.1
			Pg	43	50.70	
			Sn	44	06.90	

LBF	1.58	66	Pn	44	08.30	
			Pg	43	50.50	-0.5
			Pg	43	53.00	
			Sg	44	13.00	
LFF	1.63	210	Pg	43	53.00	1.3
			Sg	44	13.30	
LOR	1.64	56	Pn	43	51.70	-0.1
			Pg	43	54.00	
			Sg	44	14.60	
LPO	1.75	196	Pg	43	54.80	1.3
			Sg	44	16.90	

S.D. = 0.8 on 14 of 14 obs.

% JUN 09, 1991 00h 49m 37.90± 0.50s
 46.301 N ± 6.5km 1.853 E ± 4.7km
 DEPTH = 13.7 ± 4.0 km
 FRANCE (538)

LSF	0.23	257	Pg	49	43.20	0.1
TCF	0.25	93	Pg	49	44.10	0.6
MAF	0.50	99	Pg	49	48.30	0.3
			Sg	49	55.50	
BGF	0.73	69	Pg	49	52.10	0.1
			Sg	50	01.80	
RJF	1.02	193	Pg	49	58.00	1.1
			Sg	50	11.30	
AVF	1.14	64	Pg	49	59.10	0.1
			Sg	50	13.20	
SSF	1.37	56	Pn	50	01.90	-0.6
			Pg	50	03.00	
			Sg	50	18.50	
CAF	1.38	174	Pn	50	02.80	0.0
			Pg	50	05.40	
			Sn	50	20.60	
			Sg	50	22.80	
MFF	1.41	283	Pg	50	03.80	0.6
			Sg	50	21.40	
SMF	1.42	75	Pn	50	02.90	-0.3
			Pg	50	04.30	
			Sg	50	21.80	
LFF	1.57	210	Pn	50	05.20	-0.2
			Pg	50	07.40	
			Sg	50	28.20	
LBF	1.62	64	Pg	50	07.50	1.4
			Sg	50	27.50	
LOR	1.68	54	Pg	50	08.50	1.4
			Sg	50	29.00	

S.D. = 0.7 on 13 of 13 obs.

% JUN 09, 1991 00h 50m 39.29± 0.54s
 46.308 N ± 6.7km 1.827 E ± 4.3km
 DEPTH = 11.6 ± 4.6 km
 FRANCE (538)

LSF	0.21	255	Pg	50	44.70	0.6
			Sg	50	47.90	
TCF	0.27	94	Pg	50	45.40	0.4
			Sg	50	49.30	
MAF	0.52	99	Pg	50	49.80	-0.1
			Sg	50	56.70	
BGF	0.75	70	Pg	50	53.50	-0.3
			Sg	51	03.20	
RJF	1.03	192	Pg	50	58.50	0.0
			Sg	51	12.80	
AVF	1.16	65	Pg	51	00.60	-0.2
			Sg	51	14.50	
SSF	1.38	56	Pg	51	04.50	0.1
			Sg	51	19.90	
CAF	1.39	173	Pn	51	04.30	-0.3
			Sn	51	22.20	
MFF	1.40	283	Pg	51	04.10	-0.5
			Sg	51	22.80	
SMF	1.43	76	Pg	51	05.60	0.5
			Sg	51	23.20	

S.D. = 0.4 on 10 of 10 obs.

JUN 09, 1991 00h 57m 16.86± 0.42s
 43.251 N ± 7.1km 17.686 E ± 4.7km
 DEPTH = 9.1 ± 3.8 km
 YUGOSLAVIA (383)
 ML 3.1 (LJU), 2.8 (TTG).

BRY	0.72	119	iPg	57	29.45	-1.8
			iSg	57	42.05	
HVAR	0.91	266	iPg	57	32.80	-1.5
			iSg	57	46.40	
HCV	1.00	143	iPg	57	34.55	-1.4

NKY	1.06	114	iSg	57	51.53	
			iPg	57	36.10	-0.8
			iSg	57	53.48	
PLE	1.25	86	iPg	57	39.48	-0.8
			iSg	57	58.75	
BDV	1.28	139	iPg	57	39.81	-0.9
			iSg	58	00.55	
TTG	1.42	125	iPg	57	43.18	0.4
			iSg	58	03.43	
IVA	1.67	102	iPnc	57	47.98	1.6
			iSn	58	10.98	
ULC	1.73	138	iPnc	57	48.16	0.9
			iSn	58	12.66	
PVY	1.80	111	iPnc	57	50.05	1.6
			iSn	58	14.18	
BRT	2.40	189	P	58	03.00	6.1X
ZAG	2.84	335	iP	58	13.00	9.9X
			iSn	58	38.50	
VBY	2.85	323	e(Pn)	58	04.00	0.7
			i	58	07.90	
			eSn	58	37.00	
			i	58	39.00	
			P	58	46.80	
DUI	2.87	237	P	58	06.50	2.8X
PTJ	2.92	336	ePn	58	03.30	-1.1
			eSn	58	37.90	
SKO	3.05	113	e(Pn)	58	10.50	4.4X
RIY	3.16	313	e(Pn)	58	11.30	3.6X
			iSn	58	51.40	
SDI	3.25	243	P	58	08.80	-0.3
			eSn	58	46.90	
AOU	3.28	256	P	58	11.00	1.6
CEY	3.41	318	e(Pn)	58	17.80	6.5X
			eSn	58	54.50	
			eSg	59	12.50	
ARV	3.47	276	P	58	11.80	-0.3
			eSn	58	51.30	
LJU	3.59	322	e(Pn)	58	22.50	8.8X
			e(Sn)	59	08.00	
ASS	3.68	269	P	58	15.10	-0.1
			eSn	58	57.20	
TRI	3.73	313	P	58	18.00	2.2X
MNS	3.78	258	P	58	17.00	0.4
VOY	3.88	317	ePn	58	18.20	0.2
			eSn	59	05.20	
			eSg	59	22.50	
CRE	4.19	277	P	58	23.00	0.5
SFI	4.29	281	P	58	24.50	0.8
FVI	4.83	316	P	58	31.00	-0.3
CTI	5.13	305	P	58	34.20	-1.6

S.D. = 1.1 on 22 of 30 obs.

% JUN 09, 1991 01h 00m 39.45± 0.69s
 45.925 N ± 5.4km 3.108 E ± 5.4km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 MD 1.5 (STR).

MAF	0.48	308	Pg	00	49.20	0.0
BGF	0.66	344	Pg	00	52.50	-0.1
			Sn	01	04.60	
TCF	0.72	300	Pg	00	53.50	-0.2
			Sg	01	04.00	
AVF	0.88	11	Pg	00	56.30	-0.1
			Sg	01	08.00	
SMF	0.88	35	Pg	00	56.20	-0.2
			Sg	01	08.30	
LSF	1.15	287	Pg	01	01.30	0.4
			Sg	01	16.50	
SSF	1.17	13	Pg	01	00.87	-0.4
			Sg	01	15.57	
LBF	1.22	29	Pg	01	02.30	0.1
			Sg	01	18.70	
CAF	1.24	217	Pg	01	02.50	0.0
			Sg	01	18.90	
RJF	1.28	242	Pg	01	03.00	-0.2
			Sg	01	19.40	
LOR	1.44	21	Pg	01	06.20	0.6
			Sg	01	25.30	

S.D. = 0.3 on 11 of 11 obs.

JUN 09, 1991 03h 27m 01.28± 0.34s
 36.471 N ± 7.7km 71

09d 03h

NDI	9.24 145 iPd	29 17.00 1.7	WRA	81.80 122 P	39 15.00 -3.4X	PGF	4.21 29 Pn	27 29.20 -0.1
	0.5s 80.99nm	6.2mb X		0.4s 3.70nm	4.8mb		Sn	28 10.00
MAIO	9.49 272 eP	29 20.00 1.1	WB2	81.80 122 iPd	39 16.10 -2.4	LMR	4.45 2 Pn	27 32.70 0.2
	0.5s 6.89nm	5.1mb		0.4s 8.50nm	5.1mb		Sn	28 14.10
GKN	14.11 123 P	30 21.26 0.2	ASPA	84.06 125 eP	39 27.50 -2.5	LRG	4.56 1 Pn	27 34.80 0.6
WMQ	14.54 55 P	30 31.40 4.9X		1.0s 4.40nm	4.6mb		Sn	28 18.60
	0.8s 20.00nm	4.7mb	FFC	88.98 356 eP	39 52.00 -1.7	FRF	4.68 4 Pn	27 35.30 -0.6
KKN	14.68 122 P	30 28.38 -0.2		0.6s 5.00nm	5.0mb		Sn	28 19.30
PKI	14.91 123 P	30 31.46 -0.2		S.D. = 1.2 on 48 of 54 obs.		SBF	5.05 10 Pn	27 39.80 -1.4
	0.3s 101.00nm	5.6mb					Sn	28 27.00
GUN	15.02 120 P	30 33.80 0.7	? JUN 09, 1991 03h 58m 59.33±11.63s			EPF	6.09 315 Pn	27 56.40 0.6
LSA	17.96 106 P	31 15.00 4.4X	16.529 N ±97.0km 100.101 W ±26.1km			LPG	6.62 3 Pn	28 04.50 1.0
HYB	20.05 159 eP	31 34.00 -0.5	DEPTH = 33.0km (normal)			LPL	6.63 3 Pn	28 04.70 1.0
	1.0s 90.00nm	5.1mb	NEAR COAST OF GUERRERO, MEXICO (58)			CAF	6.79 334 Pn	28 04.30 -1.4
	eS	35 03.00					S.D. = 1.1 on 9 of 9 obs.	
GTA	22.67 74 iPd	32 05.00 4.0X	ACX	0.41 34 iP	59 07.59 -1.0			
	0.8s 50.00nm	5.0mb		iS	59 11.91			
	pP	32 11.00 22kmX	III	1.93 18 iP	59 31.00 0.3			
	sP	32 14.00		iS	59 55.01			
GBA	23.43 165 Pc	32 08.50 0.1	PPM	2.89 29 iP	59 45.00 0.5			
	0.9s 40.10nm	4.9mb		iS	00 18.00			
LZH	26.20 81 eP	32 38.00 3.1X	IIA	2.95 28 (P)	59 48.56 3.7X	DAV	2.33 223 eP	49 00.50 4.9X
	1.5s 28.00nm	4.6mb	IIIT	3.01 34 (P)	59 49.50 3.4X	MAP	3.49 296 iPd	49 11.50 -0.5
OBN	30.08 319 iPd	33 09.50 0.0	OXX	3.28 80 (P)	59 57.50 7.6X		eS	49 49.00
	0.8s *****nm	8.1mb X	MRX	3.32 342 iP	59 50.13 -0.1	MNI	7.68 198 eP	50 11.60 0.5
	e	33 36.00		iS	00 29.26	QCP	8.32 315 eP	50 27.00 7.0X
HHC	31.57 70 P	33 25.40 2.4	IIISM	3.57 46 eP	59 54.00 0.3	PPR	8.39 277 ePd	50 21.00 0.0
TIY	32.68 75 Pc	33 34.90 2.3		iS	00 36.00	BAG	9.92 320 eP	50 48.00 5.6X
MLR	34.98 299 eP	33 55.00 2.5		S.D. = 0.9 on 5 of 8 obs.		TSM	10.13 244 ePc	50 52.50 7.5X
KAF	37.77 327 eP	34 16.00 0.4	* JUN 09, 1991 04h 25m 58.33±0.90s			CVP	10.26 330 eP	50 51.50 4.7X
	0.7s 5.90nm	4.6mb	22.055 S ±9.4km 68.531 W ±11.7km			QZH	18.01 334 eP	52 29.50 1.3
	esP	34 16.70	DEPTH = 130.0 ±14.1 km			GUA	18.02 73 eP	52 28.00 -0.5
NUR	37.98 324 iP	34 17.80 0.5	4.4mb (2 obs.)			QIZ	19.63 303 P	52 46.00 -1.7
	0.5s 14.90nm	5.1mb	NORTHERN CHILE (123)				N 14s 0.47um	
	esP	34 18.40					E 14s 0.56um	
KRA	39.00 307 eP	34 27.40 1.3	ANT	2.39 226 iP	26 37.80 0.2	MTN	eS	56 20.00
NJ2	39.27 82 Pd	34 27.00 -1.5		iS	27 04.00		eP	53 10.40 -0.3
SOD	39.85 335 iP	34 33.80 0.9	CNCB	5.24 6 P	27 17.00 0.7	SSE	22.86 347 Pc	53 21.00 0.6
SNY	40.40 66 eP	34 39.20 1.5	LPB	5.51 4 eP	27 22.00 2.3X		1.0s 17.00nm	4.5mb
	0.8s 10.00nm	4.6mb		i	27 38.00		pP	53 27.00 22kmX
KEV	40.91 338 eP	34 42.00 0.5	ZOBO	5.77 4 P	27 24.00 0.6		sP	53 31.50
UPP	41.23 322 iP	34 43.60 -0.7		i	27 43.00		sS	57 35.00
SSE	41.47 82 eP	34 48.50 1.9	ARE	6.23 333 eP	27 28.00 -1.5	NJ2	24.38 343 Pd	53 35.80 0.7
PRU	42.48 307 eP	34 56.50 1.8		iS	28 34.00		Z 20s 0.70um	4.1msz
	e	35 34.50	SIV	9.28 51 P	28 06.00 -4.4X		E 10s 0.30um	
KHC	43.18 306 eP	35 01.50 1.0	ITB1	13.24 104 eP	29 09.50 7.1X	KNA	24.45 176 iPc	53 36.10 0.2
	e	37 18.50	ITB	13.43 104 Pc	29 11.50 6.6X		0.5s 29.00nm	5.1mb
HFS	43.22 322 eP	35 00.10 -0.5	ITB7	13.51 106 e(P)	29 12.50 6.5X	KGM	24.68 255 ePc	53 40.00 1.9
	0.7s 19.10nm	5.0mb	PPD	15.97 93 eP	29 37.50 0.6	WHN	24.72 333 eP	53 40.00 1.6
YAK	43.88 35 iPc	35 06.30 0.4		e	29 39.40		6.0s 300.00nm	5.0mb X
NB2	44.53 323 P	35 10.30 -1.0		e	29 43.70	IPM	26.30 263 ePc	54 01.90 8.5X
	0.7s 12.00nm	4.9mb		e	29 56.30		0.9s 28.50nm	4.9mb
BSF	47.83 305 eP	35 37.40 -0.3	VAO	19.94 97 eP	30 21.90 -0.5	TIA	28.77 343 eP	54 14.70 -0.9
	0.8s 8.05nm	4.8mb		e	30 23.00	MAT	29.37 18 eP	54 20.00 -1.1
LPG	48.35 302 eP	35 41.70 -0.2	BAO	20.45 75 ePd	30 26.50 -1.1		1.0s 6.00nm	4.3mb
	0.8s 5.35nm	4.6mb	BMA	22.55 96 eP	30 40.90 -7.3X	WB2	29.43 166 iPd	54 20.20 -1.6
LBF	49.88 304 eP	35 52.30 -1.1	KIC	68.52 73 P	36 49.20 0.1		0.6s 22.80nm	5.1mb
	0.6s 1.80nm	4.3mb		0.6s 5.00nm	4.5mb	XAN	30.21 329 P	54 26.50 -2.1
SMF	50.05 304 eP	35 54.20 -0.4	YKA	91.82 340 eP	38 53.00 0.9	QIS	31.64 157 eP	54 40.00 -1.3
	0.8s 6.05nm	4.7mb		0.7s 1.60nm	4.3mb		0.9s 65.00nm	5.5mb
SSF	50.17 305 eP	35 55.10 -0.4		S.D. = 1.1 on 9 of 15 obs.			i	57 33.20
AVF	50.34 304 eP	35 56.40 -0.4				TIY	31.71 337 iPd	54 41.00 -0.8
	0.6s 4.50nm	4.7mb					Z 14s 1.60um	4.8msz X
TSRJ	51.45 71 P	36 05.80 0.4	* JUN 09, 1991 04h 30m 40.47±1.21s				N 12s 1.00um	
FLN	52.35 307 eP	36 10.40 -1.6	37.296 N ±12.5km 143.137 E ±18.4km			BJI	32.61 344 P	54 49.00 -0.5
	0.8s 8.05nm	4.7mb	DEPTH = 33.0km (normal)				1.0s 13.00nm	4.8mb
MTMJ	52.45 69 P	36 13.00 0.0	3.9mb (2 obs.)				Z 20s 2.39um	4.9msz
MAT	52.76 69 eP	36 15.00 -0.3	OFF EAST COAST OF HONSHU, JAPAN (229)				N 14s 1.28um	
	0.7s 10.96nm	4.9mb					E 14s 1.92um	
NIJ	53.11 67 P	36 16.80 -1.0	MAT	4.02 261 eP	31 41.00 -0.3	SNY	33.04 355 eP	54 52.80 -0.4
CHJJ	53.54 69 eP	36 20.40 -0.5		1.1s 30.38nm			1.0s 30.00nm	5.1mb
YAMJ	53.54 66 P	36 20.90 0.0		(S)	32 43.00		Z 17s 2.70um	5.0msz X
KAKJ	54.36 68 eP	36 26.00 -1.0	KUSJ	5.92 11 eP	32 07.20 -0.9		N 15s 1.60um	
OFUJ	54.41 64 P	36 26.70 -0.6		eS	33 10.90		E 16s 1.30um	
MBC	67.36 3 ePd	37 54.50 -0.1	ASAJ	6.83 357 eP	32 21.40 0.6		eS	00 10.00
	0.6s 21.00nm	5.4mb	WRA	57.53 190 P	40 29.00 0.0	NANU	33.20 200 eP	54 54.00 -0.8
INK	73.90 9 eP	38 34.00 -0.2		0.9s 1.90nm	4.1mb	LZH	34.48 325 eP	55 02.00 -4.0X
	0.8s 21.00nm	5.2mb	NB2	74.47 338 P	42 17.60 0.7		Z 16s 0.65um	4.5msz X
FBA	74.44 16 iP	38 37.30 -0.2		0.8s 0.70nm	3.7mb		E 12s 0.26um	
	1.0s 4.00nm	4.4mb		S.D. = 0.9 on 5 of 5 obs.		WARB	34.79 181 iPc	55 08.70 0.2
	pP	39 08.70 125kmX					34.79 339 Pc	55 09.40 0.9
KIC	75.00 267 P	38 37.30 -4.2X	? JUN 09, 1991 05h 26m 23.56±7.85s				Z 18s 2.40um	5.0msz
YKA	81.26 3 eP	39 13.20 -1.8	38.888 N ±65.2km 6.247 E ±19.1km				N 13s 0.70um	
	0.5s 4.80nm	4.8mb	DEPTH = 10.0km (geophysicist)				E 13s 0.70um	
			WESTERN MEDITERRANEAN SEA (387)			BTO	35.14 337 P	55 11.00 -0.5

N	15s		1.30um			ePP	05	38.00			esP	10	58.30						
E	15s		1.60um			ePPP	05	46.00			iP	11	09.20	-1.0					
		pP	55	23.00	44kmX	eS	08	07.00		NUR	61.74	337	P	5.3mb					
MDJ	35.73	3	eP	55	16.50	iSS	09	09.00			18.70nm								
MEKA	36.20	193	eP	55	20.00	iSSS	09	35.00		OBN	62.96	328	iPc	-0.3					
GTA	39.08	326	P	55	44.40		05	23.50	-4.3X		1.0s	*****nm		8.3mb X					
	1.0s	10.00nm			4.5mb		05	39.80	-0.7			e	11	28.00					
Z	18s	0.90um			4.6Msz		05	46.50	3.4X			e	11	45.00					
		pP	55	48.60	14kmX		08.s	20.00nm	4.6mb			e	12	24.00					
		sP	55	54.00		KAKJ	21.73	229	P	05	45.50	iP	11	23.50					
MRWA	39.31	196	eP	55	47.00	MAT	22.39	233	eP	05	48.00		11	24.10					
	0.4s	5.00nm			4.6mb		0.9s	54.62nm	5.0mb	NB2	64.00	344	P	-1.1					
COOL	39.89	188	eP	55	51.00		Z	20s	1.42um	HFS	64.41	342	eP	-1.8					
BAL	40.46	194	eP	55	56.00				eS	09	37.00			4.8mb					
MUN	41.89	194	eP	56	08.00	CHJJ	22.41	231	P	05	51.30	1.2							
	1.0s	60.00nm			5.3mb	MTMJ	22.55	233	eP	05	55.90	4.3X							
NWAO	42.57	192	eP	56	13.20	IIDJ	23.38	232	eP	06	00.40	0.7	SCH	66.00	28	eP	11	36.00	-2.1
STK	42.75	162	eP	56	14.00	TSRJ	24.28	235	eP	06	10.70	2.4	SNG	66.21	249	eP	11	40.00	0.1
	0.6s	12.40nm			4.8mb	CN2	24.65	263	Pc	06	11.60	-0.2	HYB	71.39	274	eP	12	11.70	-0.3
		e	57	57.80			Z	18s	5.80um			5.1Msz		1.0s	90.00nm			5.8mb	
GUN	43.28	302	P	56	18.80		N	16s	1.00um				KRA	72.31	334	eP	12	17.10	0.1
PKI	43.57	301	P	56	20.80		E	16s	1.00um				KSP	72.50	337	eP	12	18.00	-0.1
	0.8s	35.00nm			5.2mb	SNY	26.91	261	eP	06	20.00	30km	CLL	72.81	339	iPc	12	19.70	-0.2
BRS	43.71	146	i(P)c	56	22.00				eP	06	32.00	-0.9		1.0s	29.00nm			5.2mb	
	0.9s	4.80nm			4.3mb	FBA	28.64	44	iP	06	46.90	-1.4	WTS	73.37	343	eP	12	24.00	0.9
KKN	43.75	301	P	56	22.00			0.9s	1.90nm			3.8mb X	PRU	73.71	338	P	12	26.00	0.9
	0.8s	39.00nm			5.2mb	INK	34.13	37	eP	07	36.00	-0.5			e	12	47.50	81kmX	
RKG	44.20	192	eP	56	27.00	TIA	34.35	259	eP	07	38.70	-0.1	MOX	73.73	340	eP	12	26.00	0.7
GKN	44.36	301	P	56	26.80	SSE	35.62	248	eP	07	47.50	-2.1		1.0s	13.00nm			4.9mb	
	0.8s	23.00nm			5.1mb		Z	20s	0.70um			4.4Msz	MLR	74.70	329	eP	12	32.00	0.9
IRK	47.18	341	eP	56	50.00		E	14s	0.40um				ENN	74.71	343	eP	12	31.50	0.6
		e	57	11.10		NJ2	36.25	252	Pc	07	56.50	1.6		0.9s	21.00nm			5.1mb	
BWA	47.48	156	iPc	56	53.90				pP	08	07.00	36km	KHC	74.73	338	iP	12	42.00	10.9X
BFD	47.96	163	iPc	56	55.20	MBC	37.39	23	ePd	08	03.50	-0.5		1.0s	7.00nm				
HYB	48.01	285	ePc	56	57.00			0.9s	6.00nm			4.4mb		Z	14s	1.30um		5.4MszX	
CAN	48.49	156	iPc	57	00.80	WHN	39.98	255	ePc	08	27.50	1.4		N	14s	0.50um			
WMO	48.92	322	P	57	05.00		N	14s	1.00um				E	16s	0.80um				
	Z	14s	1.10um		5.0MszX		E	14s	0.90um				ZST	74.76	335	i(P)	12	32.30	1.1
YAK	53.14	1	iPc	57	34.70				eP	08	45.00	-1.8	MEM	74.85	343	Pc	12	31.80	0.1
MAIO	66.86	306	iPd	59	10.00	LZH	42.48	270	eP			4.8mb	GBA	75.01	273	Pc	12	32.30	-0.8
OBN	83.18	325	iPc+	00	43.20		Z	16s	2.00nm			5.1MszX		0.8s	8.70nm			4.8mb	
	1.5s	*****nm			8.6mb X		E	15s	1.29um				DOU	75.58	344	P	12	36.50	0.6
	Z	16s	1.80um		5.5MszX	GTA	42.80	277	Pd	08	49.20	-0.2	WB2	75.74	205	eP	12	35.60	-1.5
	N	16s	0.50um				Z	16s	10.00nm			4.5mb		0.8s	4.40nm			4.5mb	
		e	00	54.00			Z	16s	1.70um			5.0MszX	WRA	75.74	205	P	12	35.00	-2.1
		e	01	04.00			N	13s	1.00um					0.8s	3.50nm			4.4mb	
INK	85.31	22	eP	00	53.00				pP	08	59.00	33km	CDF	76.73	342	eP	12	42.80	0.3
HRI	86.42	303	iPd	01	00.40	YKA	43.39	42	eP	08	51.80	-1.9		0.8s	8.05nm			4.8mb	
ADI	86.88	303	iPd	01	02.50			0.8s	2.10nm			3.9mb	PTJ	77.18	335	e(P)	12	45.20	0.2
MBC	86.93	13	eP	01	02.00	CD2	46.07	265	P	09	14.60	-1.0	HAU	77.29	342	eP	12	45.80	0.2
	0.8s	17.00nm			5.3mb	WMO	47.25	290	P	09	24.50	-0.3		0.8s	5.35nm			4.6mb	
MBH	87.66	300	iPd	01	06.40			0.6s	10.00nm			5.0mb		Z	20s	0.35um			4.7Msz
HFS	93.75	333	eP	01	32.60		Z	16s	2.20um			5.2MszX	BSF	77.38	342	eP	12	46.10	0.0
	0.9s	15.60nm			5.4mb		N	13s	1.00um					0.8s	6.70nm			4.7mb	
KRA	94.15	322	eP	01	35.90				pP	09	32.70	27km	FLN	77.65	347	eP	12	47.20	-0.2
NB2	94.45	334	P	01	35.60	GYA	47.54	258	iPd	09	27.60	0.2		0.8s	10.75nm			4.9mb	
	0.8s	5.10nm			5.0mb		N	20s	1.30um					Z	20s	0.30um			4.6Msz
YKA	94.72	24	eP	01	37.90		E	20s	1.40um				VBY	77.73	336	e(P)	12	48.50	0.6
	0.7s	2.50nm			4.8mb	DAG	50.85	360	eP	09	51.00	-1.0	LDF	77.77	347	eP	12	48.00	-0.1
KSP	96.07	323	ePc	01	45.30	QIZ	51.41	249	eP	09	56.80	-0.2		0.8s	5.35nm			4.6mb	
PRU	97.43	323	P	01	51.40	WDC	51.89	71	ePd	10	03.10	2.7	GRR	78.07	347	eP	12	49.90	0.2
CLL	97.79	325	eP	01	52.00	MIN	52.58	70	eP	10	07.50	1.7		0.8s	12.10nm			5.0mb	
KHC	98.35	323	P	01	55.50	FFC	53.23	46	eP	10	08.00	-2.2	CTI	78.08	338	P	12	50.40	0.4
MOX	98.87	324	eP	01	57.50			0.7s	4.00nm			4.5mb	LPF	78.44	347	eP	12	51.90	0.1
	1.8s	31.00nm			5.5mb	KEV	53.28	342	iP	10	09.60	-0.7		0.8s	6.70nm			4.7mb	
TACH	150.17	149	ePKP	08	09.60			0.7s	12.00nm			5.0mb	LOR	78.44	344	eP	12	52.00	0.1
PCH	150.41	149	ePKP	08	10.30	LRM	54.02	60	eP	10	15.10	-1.3		0.8s	9.40nm			4.9mb	
PEL	150.70	148	iPKPc	08	10.10				e	10	25.40	34km		Z	20s	0.30um			4.6Msz
CNCB	163.23	120	PKP	08	22.00					10	25.20	-0.4	LBF	78.70	344	eP	12	53.40	0.1
LPB	163.25	119	PKP	08	22.00	ISA	57.58	72	eP	10	48.00	6.0X		0.8s	4.05nm			4.5mb	
ZOBO	163.34	118	iPKPc	08	23.00	BW06	57.61	61	eP	10	40.70	-1.6	SSF	78.70	344	eP	12	53.60	0.3
SIV	169.24	132	iPKPc	08	25.80			0.9s	6.36nm			4.7mb		0.8s	6.70nm			4.7mb	
	S.D. = 0.9	on 65	of 76	obs.		CHG	57.95	259	eP	10	45.00	0.3	AVF	78.99	344	eP	12	55.30	0.4
								0.8s	24.44nm			5.3mb		0.8s	10.75nm			4.9mb	
	JUN 09, 1991	06h 00m	52.93±0.37s			CLC	57.98	72	eP	10	53.00	8.3X	SMF	79.05	344	eP	12	55.50	0.3
	52.656 N ± 6.9km	160.325 E ± 6.9km				SBB	58.64	73	eP	11	04.00	14.6X		0.8s	6.70nm			4.7mb	
	DEPTH = 30.9km	(7 depth phases)				GSC	58.80	72	eP	10	55.00	4.5X	BGF	79.30	344	eP	12	57.10	0.5
	4.8mb (50 obs.)	4.6Msz (7 obs.)				MWC	58.83	73	eP	11	05.00	14.1X		0.8s	5.35nm			4.6mb	
	OFF EAST COAST OF KAMCHATKA	(219)				GUN	59.08	276	P	10	52.00	-0.9	ASPA	79.42	205	eP	12	57.30	-0.1
								0.6s	18.00nm			5.4mb		0.7s	4.60nm			4.6mb	
KUSJ	14.16	234	eP	04	06.20					10	55.20	-0.7	RSL	79.47	342	P	12	58.66	1.0
ASAJ	14.49	241	P	04	17.40					0.8s	48.00nm	5.7mb	VAY	79.52	329	eP	12	58.00	0.3
HOJ	15.39	235	eP	04	23.50	PKI	59.61	276	P	10	55.60	-1.0	LPL	79.61	341	eP	13	00.10	1.5
MRRJ	16.49	239	eP	04	40.70	GKN	59.77	277	P	10	56.80	-0.6		0.8s	18.80nm			5.1mb	
OFUJ	18.71	231	eP	05	06.50					0.8s	47.00nm	5.7mb	LPG	79.63	341	eP	13	00.30	1.6
YAK	18.81	312	eP	05	09.70	KAF	59.94	337	eP	10	57.30	-0.7		0.8s	19.50nm			5.2mb	

09d 06h

TCF 79.67 345 eP 12 59.20 0.6
1.0s 10.00nm 4.8mb
MAF 79.67 345 eP 12 59.60 1.0
0.8s 9.40nm 4.8mb
LSF 79.81 345 eP 12 59.80 0.5
0.8s 9.40nm 4.8mb
SFI 80.04 337 P 13 02.50 2.0
MME 80.05 338 P 13 02.90 2.0
ARV 80.18 337 P 13 02.70 1.4
BDI 80.20 338 P 13 03.50 2.0
OHR 80.25 330 eP 12 59.70 -2.1
RJF 80.74 345 eP 13 05.00 0.8
0.8s 8.05nm 4.8mb
Z 20s 0.25um 4.6Msz
CAF 81.02 345 eP 13 07.10 1.3
0.8s 17.45nm 5.1mb
LFF 81.21 345 eP 13 07.10 0.4
0.8s 5.35nm 4.6mb
LPO 81.39 345 eP 13 07.90 0.2
0.8s 10.75nm 4.9mb
EPF 83.14 345 eP 13 17.70 0.8
0.8s 12.10nm 5.1mb
TIO 96.07 349 iPd 14 22.40 3.7X
eSg 14 26.00 24km
e 14 30.00

S.D. = 1.1 on 94 of 108 obs.

% JUN 09, 1991 06h 15m 45.54 ± 0.69s
43.092 N ± 7.0km 0.504 W ± 5.6km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
MD 2.1 (STR).

ESCF 0.05 255 Pg 15 47.55 -0.2
Sg 15 48.80
OGE 0.08 16 Pg 15 48.02 0.0
JAU 0.11 119 Pg 15 48.61 0.0
Sg 15 50.99
ATE 0.15 268 Pg 15 48.91 -0.1
Sg 15 51.38
LHE 0.20 206 Pg 15 49.95 0.0
Sg 15 52.45
ISSF 0.22 253 Pg 15 50.67 0.2
Sg 15 53.81
MADF 0.24 283 Pg 15 50.67 0.0
Sg 15 54.44

S.D. = 0.2 on 7 of 7 obs.

% JUN 09, 1991 07h 17m 53.80 ± 0.54s
46.319 N ± 6.8km 1.852 E ± 4.7km
DEPTH = 11.8 ± 4.3 km
FRANCE (538)

LSF 0.23 253 Pg 17 58.90 0.0
TCF 0.25 97 Pg 17 59.70 0.4
Sg 18 03.30
MAF 0.51 101 Pg 18 04.10 0.0
Sg 18 11.00
BGF 0.73 70 Pg 18 07.70 -0.3
Sg 18 17.30
RJF 1.04 193 Pg 18 13.40 0.1
Sg 18 27.40
AVF 1.14 65 Pg 18 15.10 0.2
Sg 18 28.60
SSF 1.36 56 Pn 18 17.40 -1.2
Pg 18 18.70
Sg 18 34.30
CAF 1.40 174 Pn 18 18.50 -0.7
Pg 18 21.10
Sn 18 36.40
Sg 18 38.50
MFF 1.41 282 Pg 18 19.40 0.1
Sg 18 36.90
SMF 1.41 76 Pg 18 20.60 1.3
Sg 18 37.40
LFF 1.58 210 Pg 18 23.20 1.5
Sg 18 43.70
LBF 1.61 65 Pg 18 22.90 0.8
Sg 18 43.30
LOR 1.67 55 Pg 18 24.10 1.0
Sg 18 44.60

S.D. = 0.9 on 13 of 13 obs.

JUN 09, 1991 07h 45m 02.13 ± 0.07s
20.252 S ± 2.8km 176.218 W ± 2.3km
DEPTH = 265.5km (geophysicist)
6.1mb (80 obs.)

FIJI ISLANDS REGION (181)
Mo=4.0*10**19 Nm (PPT). Depth
from broadband displacement
seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=232 Dip=66 Slip=-90
NP2: 52 24 -90
Principal Axes:
T P1g=21 Azm=322
P 69 142
Comment: The focal mechanism is
moderately well controlled and
corresponds to reverse
faulting. The preferred fault
plane is not determined.
RADIATED ENERGY
No. of sta: 10 Facol mech. F
Energy 4.2±1.2*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 66C M.W.: 21S, 58C
Centroid Location:
Origin Time 07:45:10.9 0.1
Lat 20.15S 0.01 Lon 175.90W 0.01
Dep 292.1 0.7 Half-duration 12.0
Moment Tensor: Scale 10**19 Nm
Mrr=-2.48 0.02 Mtt=1.47 0.02
Mff=1.01 0.03 Mrt=1.24 0.02
Mrf=1.59 0.02 Mtf=0.94 0.03
Principal Axes:
T Val=2.93 P1g=20 Azm=318
N 0.32 6 226
P -3.24 69 121
Best Double Couple: Ma=3.1*10**19
NP1:Strike=58 Dip=25 Slip=-77
NP2: 223 65 -96

KRO 5.08 304 iPc 46 24.30 4.3X
OVA 5.37 297 iP 46 28.30 4.8X
SVA 5.46 292 iPc 46 29.90 5.3X
VUN 5.50 293 iPc 46 29.90 4.8X
NDE 5.59 310 iPc 46 30.40 4.1X
MBU 5.80 303 ePc 46 32.90 4.1X
SGE 6.15 295 iPc 46 38.80 5.7X
NDF 6.48 291 iPc 46 35.80 -1.4
eS 47 42.00
AFI 7.60 35 ePc 46 45.16 -6.1X
e 46 49.14
e 47 48.00
PVC 14.84 277 iPc 48 24.80 3.6X
BKM 14.92 277 iPc 48 25.80 3.6X
DZM 16.27 261 iPc 48 40.00 2.1
iS 51 09.10
i 56 23.10
i 00 12.00
HBZ 17.93 194 eP 48 58.00 2.9X
PUZ 18.39 194 eP 48 59.40 -0.6
eS 52 11.50
WLZ 18.92 200 P 49 08.30 3.1X
S 52 33.20
NOZ 18.96 194 eP 49 05.60 -0.1
WHH 19.61 197 P 49 11.70 -0.5
HITZ 19.65 199 eP 49 13.50 0.8
TTH 20.13 196 eP 49 19.40 2.0
NGZ 20.14 199 eP 49 16.60 -1.0
CNZ 20.17 199 eP 49 19.40 1.5
MNG 21.50 197 eP 49 29.90 -0.8
eS 53 11.40
KIW 21.89 198 eP 49 35.50 1.0
CAW 22.07 198 eP 49 35.90 -0.4
WDW 22.24 198 eP 49 37.70 -0.2
MRW 22.29 198 eP 49 39.00 0.7
S 53 26.50
WEL 22.32 198 P 49 40.00 1.3
S 53 20.00
S 00 23.00
SsC 02 34.00
TCW 22.41 199 eP 49 38.00 -0.8
THZ 23.34 201 eP 49 48.00 0.2
S 53 40.90
KHZ 23.73 199 eP 49 50.40 -1.5
LTZ 24.46 201 P 49 57.70 -1.1
AFR 25.15 88 iP 50 04.00 -1.2
PAE 25.32 89 iP 50 05.00 -1.1
PPT 25.34 88 iP 50 06.10 -0.8
HNR 25.39 292 eP 50 08.00 0.6

PPN 25.48 88 iP 50 07.20 -1.0
TVO 25.60 89 iP 50 08.30 -1.1
SVO 25.64 292 eP 50 11.00 1.4
VSG 25.68 292 eP 50 09.00 -1.1
PMO 27.47 84 iP 50 25.00 -1.2
1.2s 1535.00nm 6.5mb
MHZ 27.50 203 P 50 25.10 -1.2
VAH 27.66 84 iP 50 26.20 -1.7
1.2s 900.00nm 6.2mb
MSZ 27.68 205 eP 50 23.20 -4.6X
TLC 27.69 203 P 50 27.00 -1.1
TPT 27.73 84 iP 50 27.10 -1.4
1.2s 1625.00nm 6.5mb
RUV 27.90 84 iP 50 28.40 -1.6
1.2s 1625.00nm 6.5mb
BRS 29.19 250 iPc 50 43.50 2.1
1.0s 69.00nm 5.2mb
i (PP) 51 43.50
i 53 39.00
iS 55 16.00
iScP 57 22.00
COO 30.49 244 iPd 50 54.00 1.2
RIV 31.90 238 iPd 51 06.70 1.8
Z 18s 46.80um 6.2Msz
i 52 03.60
i 56 00.00
i 57 07.00
i 01 16.00
RMO 32.68 252 iPd 51 13.30 1.6
0.5s 196.00nm 6.0mb
i 52 16.00
i 53 52.40
i 57 13.00
CNB 33.75 236 iPc 51 22.10 1.2
i 52 20.70
i 53 54.00
i 57 15.20
CAN 34.04 236 iPd 51 24.20 0.9
ePP 52 22.60
BWA 34.25 238 iPd 51 23.90 -1.2
ePP 52 22.30
RAB 34.67 293 iP+ 51 28.00 -0.7
iS 56 36.00
CMS 35.77 244 iPd 51 38.30 0.4
0.5s 190.00nm 5.9mb
QLP 36.73 252 iPd 51 46.50 0.6
i 57 27.00
PMG 36.93 282 iPc+ 51 48.30 0.6
TOO 37.39 234 iPd 51 52.20 0.7
0.5s 155.00nm 5.8mb
i 52 52.00
TAU 37.98 225 ePd 51 35.71 -20.4X
e 51 38.03
epPc 52 32.32 279kmX
i 53 04.60
e 54 36.00
e 57 10.60
e 58 09.00
LAT 38.13 286 iPc 51 58.80 1.1
RKT 38.34 102 iP 51 59.70 0.3
1.0s 1150.00nm 6.3mb
YYYY 39.23 285 iPc 52 07.90 0.9
STK 39.40 244 eP 52 09.90 1.9
0.9s 159.00nm 5.5mb
e 53 07.00
i 54 11.60
eS 57 35.40
e 01 11.40
BFD 39.56 236 iPd 52 09.70 0.5
0.3s 56.00nm 5.5mb
i 53 09.00
i 54 12.00
i 57 36.50
MDG 39.82 287 eP 52 14.20 2.6
OIS 41.31 262 iPd 52 24.00 0.2
i 57 43.20
MNDI 41.36 284 iPd 52 25.00 0.5
ADE 42.19 240 eP 52 30.00 -0.8
1.0s 720.00nm 6.0mb
PFH 44.66 29 P 52 49.50 -1.1
HON 44.99 24 P 52 53.20 0.1
pP 53 51.40 279kmX
KIP 45.08 24 ePc 52 52.43 -1.4
epPc 53 49.88 275kmX
esPc 54 18.84
iS 59 12.90
isS 00 54.71

GMW	82.77	33	P	56	58.20	0.6	LTMT	86.97	40	iPd	57	19.80	1.0		1.0s	1666.00nm		6.9mb			
MID	83.08	15	P	56	59.10	0.3			epP	58	28.30	287kmX		HHC	90.38	314	iPd	57	36.00	1.4	
SNY	83.10	319	iPc	56	59.60	0.3	PBJ	87.30	72	(P)	57	21.00	0.5		1.4s	270.00nm		6.0mb			
	1.6s	500.00nm			6.0mb		HBMT	87.36	39	iPd	57	20.80	0.2		Z	21s	19.00um		6.5Msz		
N	16s	7.90um						iPp	58	29.10	286kmX			N	17s	3.30um					
E	12s	3.00um						esP	59	06.50				E	16s	6.30um					
		ipP	58	04.00	270kmX		IMW	87.36	41	P	57	15.40	-5.2X			SKS	07	40.00			
		iS	06	50.50			BGMT	87.39	40	iPd	57	21.20	0.5	BSI	90.46	276	ePc	57	37.00	1.6	
CN2	83.13	322	iPc	57	00.20	0.7			ipP	58	29.60	286kmX			1.0s	457.60nm		6.4mb			
	6.0s	2300.00nm			6.1mb	X	LRM	87.46	39	iPd	57	21.20	0.2	KHT	90.64	285	iPd	57	38.00	1.9	
		S	06	47.00					iPp	58	28.50	281kmX		IHA	90.68	126	iPc	57	37.00	0.9	
SLKM	83.19	13	iP	56	58.60	-0.9			iS	59	06.80			SES	90.69	36	iPd	57	34.60	-1.1	
MCW	83.48	32	P	57	01.80	0.6	BUT	87.50	39	iPd	57	21.50	0.4		0.9s	826.00nm		6.7mb			
ACX	83.52	69	(P)	57	02.73	0.8			epP	58	27.50	275kmX				pP	57	57.00	82kmX		
WHN	83.65	306	Pc	57	03.20	0.9	LVVM	87.62	68	(P)	57	24.03	2.1	KMI	90.73	296	ePd	57	38.94	2.2	
	1.5s	700.00nm			6.2mb		BW06	87.65	43	iPd	57	21.80	-0.2		1.5s	590.00nm		6.3mb			
		iS	06	58.00					ipP	58	28.20	276kmX		Z	30s	17.50um		6.3MszX			
MSU	83.74	45	P	57	04.20	1.2			P*P*	22	58.00					ipPc	58	43.78	268kmX		
DUG	84.22	44	P	57	05.40	0.2			e	24	23.00					iSKS	07	42.40			
SIT	84.28	21	P	57	05.40	0.5	COL	87.65	12	eP	57	15.93	-5.3X			iS	08	13.19			
TIA	84.35	312	Pc	57	06.30	0.6			iSKS	07	20.96					e	09	16.75			
	1.8s	700.00nm			6.2mb		FBA	87.65	12	iS	07	36.85		TACH	90.95	126	iPd	57	38.00	0.6	
		S	07	03.00					iPd	57	20.30	-0.9	BDT	91.13	288	iPd	57	39.00	0.7		
PMR	84.40	13	P	57	05.20	-0.2			iSKS	07	35.30				1.0s	193.20nm		6.0mb			
	1.2s	1212.12nm			6.6mb		IMA	87.73	9	P	57	22.40	0.7	SAN	91.24	126	iPd	57	39.70	0.9	
		pP	58	08.00	262kmX		GYA	87.98	299	iPd	57	25.00	1.2	PCH	91.29	127	iPd	57	40.00	0.9	
III	84.46	68	(P)	57	07.89	1.0			1.4s	200.00nm		5.8mb	BTO	91.33	313	iPd	57	40.00	1.0		
YKU	84.93	18	P	57	09.20	1.1	Z	34s	20.50um		6.3MszX			N	16s	5.00um					
ANM	84.96	5	iPd	57	07.90	-0.2	N	20s	8.00um					E	14s	5.30um					
		ipP	58	14.40	279kmX				21.30um							pP	58	45.00	269kmX		
KLU	85.01	14	P	57	08.40	-0.2			pP	58	33.00	283kmX				PP	01	17.00			
UNM	85.08	67	(P)	57	11.00	0.9			PP	00	50.00					iSKS	07	43.00			
TAC	85.10	67	(P)	57	10.00	-0.2	MEMT	88.23	40	iPd	57	25.10	0.5			S	08	12.00			
DAU	85.34	44	P	57	11.40	0.4	HRV	88.30	38	iPd	57	25.30	0.4	PEL	91.36	126	iPd	57	40.50	1.1	
DPW	85.39	35	P	57	11.20	0.5			ipP	58	33.80	286kmX			1.0s	800.00nm		6.6mb			
PPM	85.46	68	(P)	57	13.26	1.0	TIY	88.36	311	Pd	57	26.40	1.1	MEO	91.71	54	iPd	57	49.20	8.4X	
IIA	85.47	68	(P)	57	13.02	1.5			esP	59	09.00		CHG	91.74	289	iPd	57	42.50	1.4		
BALM	85.48	16	iPd	57	10.50	-0.5			7.0s	4690.00nm		6.5mb	X		0.9s	164.50nm		6.0mb			
		P*P*	23	14.20					pP	58	31.00	268kmX				eS	07	48.80			
		i	24	34.80					SKS	07	27.50			RSSD	91.82	43	iPd	57	40.40	-0.9	
TOA	85.49	14	P	57	11.40	0.5			S	07	44.00					epP	58	48.00	280kmX		
PNT	85.52	33	iPd	57	11.80	0.5	SXM	88.37	39	iPd	57	26.00	0.7			esP	59	25.70			
		pP	58	18.00	277kmX				ipP	58	33.30	280kmX				P*P*	23	00.00			
IIIT	85.72	68	(P)	57	13.95	0.7			esP	59	09.00					e	24	20.50			
PV09	85.78	46	iPd	57	13.10	-0.1	GOL	88.93	47	iPd	57	28.00	-0.1	CD2	92.07	302	P	57	43.00	0.5	
		epP	58	20.00	280kmX				ipP	58	34.70	277kmX			1.2s	100.00nm		5.7mb			
		esP	58	55.30					esP	59	10.00					pP	58	49.00	273kmX		
		P*P*	23	20.00					P*P*	24	29.50					SKS	07	47.50			
		e	24	33.50			NVL	89.05	183	iPc	57	28.50	0.6	BRW	92.31	6	P	57	43.50	0.9	
PTI	85.93	41	P	57	14.30	0.7			e	57	42.00			YAK	92.49	338	iPd-	57	43.20	-0.5	
ALQ	85.95	51	P	57	15.00	1.1			e	58	10.00					ePcP	57	52.00			
	1.0s	235.00nm			6.0mb				epP	58	35.00	276kmX				ipP	58	48.00	268kmX		
		pP	58	22.00	281kmX				e	59	03.20					iPP	01	24.00			
ANMO	85.95	51	iPd	57	14.72	0.8			e	59	09.00					i	02	23.00			
	2.0s	1323.53nm			6.4mb				e	59	38.00					ePP	03	10.00			
		epPc	58	14.87	249kmX				e	59	51.00					eSKS	07	38.00			
		esPc	58	46.59					e	00	14.00					iS	07	48.00			
		iS	07	29.72					e	00	24.00					iScS	08	07.00			
		i	09	21.29					e	00	56.00					ePS	09	22.00			
		ePKKP	15	07.00					ePP	01	02.00					esS	09	42.00			
		eP*P*	23	23.50					e	01	24.00					eSS	12	48.00			
		e	24	34.00					e	01	34.00					eSSS	16	39.00			
SNG	86.09	279	eP	57	06.90	-7.8X			epPP	01	53.00			RTCB	93.51	125	iPd	57	50.90	1.5	
	1.6s	1500.00nm			6.6mb				e	02	14.00			RTRS	93.58	124	e(P)	57	51.80	2.3	
		e	58	24.20					e	02	33.00			INK	93.61	15	iPd	57	48.10	-0.6	
		eS	07	18.00					ePPP	02	49.00				0.5s	116.00nm		6.2mb			
PSI	86.10	274	ePd	57	20.50	5.6X			epPPP	03	53.00					pP	58	54.00	273kmX		
	1.1s	95.70nm			5.5mb				e	04	18.00					iPc	57	51.50	0.7		
NEW	86.20	35	iPd	57	14.70	0.0			e	04	28.00			RTLL	93.84	125	iPc	57	51.50	0.7	
	0.7s	404.00nm			6.4mb				e	05	20.00			LZH	93.95	307	ePd	57	52.59	1.4	
		i(sP)	59	00.00											2.0s	430.00nm		6.2mb			
		eP*P*	23	21.60			GLD	89.05	47	P	57	29.40	0.8			ipPc	58	57.97	270kmX		
		e	24	30.50					1.1s	617.16nm		6.4mb				iSKS	07	57.90			
OXX	86.37	70	(P)	57	17.84	1.6			pP	58	36.40	278kmX		TUL	94.25	53	iPc	57	50.80	-1.6	
VNM	86.51	61	(P)	57	17.00	0.5	XAN	89.32	307	iPd	57	31.00	1.2		1.0s	3040.20nm		7.4mb	X		
IISM	86.52	68	(P)	57	18.32	1.6			1.0s	200.00nm		6.0mb		Z	20s	36.84um		6.8Msz			
MCMT	86.69	40	iPd	57	18.00	0.6				pP	58	37.00	274kmX				LR	23	13.00		
		epP	58	26.10	285kmX				sP	59	09.00					eP	57	53.50	0.1		
		esP	59	03.60					SKS	07	33.00			NNA	94.51	104	iPd	57	54.50	0.4	
									ePd	57	31.21	1.1			1.6s	276.67nm		6.2mb			
BJI	86.90	315	ePd	57	18.84	0.8	HIA	89.47	324	ipPc	58	35.77	267kmX		Z	20s	10.11um		6.3Msz		
	1.6s	490.00nm			6.1mb				iSKS	07	33.39						iPd	58	05.50	6.8X	
	Z	28s	11.00um		6.1MszX				eS	07	57.23					1.0s	80.00nm		5.9mb		
N	14s	3.83um							e	09	32.58					95.60	24	eP	57	57.10	-0.8
E	16s	6.02um							epPd	58	21.75	261kmX			0.9s	197.30nm		6.3mb			
							NST	89.56	287	eP	57	34.00	2.9			97.59	111	iPd	58	10.40	2.1
							TPX	89.56	74	(P)	57	32.73	1.6	ARE	1.0s	143.00nm		6.2mb			
							SNA	89.58	178	iPd	57	31.60	1.3								

FFC	97.61	34	iPd	58	06.30	-0.8	CBN	109.01	55	e(Pdiff	58	57.00	-1.4			e	04	46.00			
	0.7s	31.00nm			5.7mb		GBA	109.72	278	PKPd	03	02.30	-1.4			e	06	32.00			
			pP	59	14.00	281kmX			0.7s	23.70nm						e	08	04.00			
GTA	98.11	309	Pd	58	10.40	0.4	HYB	109.74	282	ePdiff	59	04.00	1.8			e	10	16.00			
	1.0s	70.00nm			6.0mb					e	00	10.00				e	12	12.00			
Z	22s	16.70um			6.5Msz		HYB	109.74	282	ePKP	03	02.80	-1.0			e	15	28.00			
E	14s	5.60um						1.0s	90.00nm					KEV	128.53	350	ePKPd	03	37.31	-0.8	
			SKS	08	20.00		CEOS	109.78	87	ePdiff	58	45.00	-17.5X				iP'Pd	04	44.91		
CCM	98.41	53	iPd	58	10.34	-0.8	LVNJ	111.44	53	PKP	03	05.50	-0.8				iSKP	06	31.61		
			iPpC	59	14.90	267kmX	OLLA	111.52	87	ePdiff	59	16.00	5.7X				e	08	37.90		
			iSpC	59	43.60		PPD	111.73	125	ePdiff	59	14.10	3.2X				eSKS	10	16.98		
			eHPP	02	08.14					e	59	31.40					e	12	15.33		
			iPP	02	09.13		PPD	111.73	125	ePKP	03	06.80	-0.6				eSDIF	13	29.27		
			iS	09	18.71		GMTN	111.89	53	iPKP	03	07.00	-0.1				e	15	24.63		
			i	10	24.96		TBR	111.90	53	ePKPd	03	05.70	-1.4		JNW	128.71	5	ePKP	03	39.00	0.5
			i	11	13.92					eSKKS	14	00.70		MAIO	129.06	301	iPKPd	03	40.60	0.2	
			e	12	13.94		PNJ	111.91	53	PKPd	03	05.20	-1.9			1.0s	144.50nm				
PSO	98.76	92	eP	58	15.00	1.2				PP	03	51.10					i	04	50.00		
FVM	99.00	53	ePd	58	12.80	-1.1				(pPP)	05	33.00					e	06	36.00		
	0.8s	118.94nm			6.4mb		HRV	114.04	52	PKKP	14	14.00					eS	16	18.00		
			epP	59	20.70	282kmX				ePdiff	59	21.71	1.0	TRO	129.76	353	iPKP	03	39.42	-1.1	
SLA	99.15	121	ePd	58	16.30	1.1				epPc	00	27.38		SOD	130.70	349	iPKP	03	30.20	-12.2X	
UPA	99.28	84	iPd-	58	15.50	-0.2				esPc	00	56.35					i	03	41.20		
			i	59	52.00		HRV	114.04	52	ePKP	03	10.18	-1.1				i	04	50.80		
			i	02	17.00					ePP	04	02.99					i	05	41.00		
IRK	99.56	322	eP-	58	15.00	-1.1				eHPP	04	06.46		CIR	130.79	215	iPKPd	03	47.40	3.4X	
			epP	59	20.00	269kmX	VAO	114.44	128	ePKP	03	12.60	-0.1				i	04	57.10		
			esP	59	54.00					e	03	14.50					iPP	05	57.90		
			e	00	20.00		BNH	114.45	49	PKP	03	11.50	-0.5				iSKP	06	45.80		
			e	02	21.00		FRB	115.78	28	ePdiff	59	28.00	0.1				i	09	28.90		
			e	02	46.20		FRB	115.78	28	ePKPd	03	12.80	-1.1				ePKP	03	38.97	-5.3X	
			e	02	59.00			0.7s	128.00nm					LOF	131.74	355	ePKP	03	38.97	-5.3X	
			ePPP	03	42.00		MIM	116.07	49	PKP	03	14.30	-0.7	AKU	132.37	12	iPKP	03	45.90	0.4	
			e	07	20.00		BMA	116.67	130	ePKP	03	16.20	-0.7		0.9s	191.60nm					
			iS	08	24.00		TRN	116.78	88	ePdiff	59	49.00	15.6X				i	04	57.20		
			e	09	01.00		TRN	116.78	88	ePKP	03	15.60	-1.6	REY	132.87	15	iPKP	03	46.30	-0.2	
			e	09	27.00		TBH	117.04	88	ePKP	03	18.50	0.7	BUL	133.07	213	iPKPd	03	47.60	-0.9	
			esScS	11	01.00		EMM	117.15	49	PKP	03	16.20	-0.9				iSKP	06	53.00		
			e	11	39.00		SCH	117.48	38	ePdiff	59	36.00	0.3				i	08	29.30		
			eSS	14	29.00		SCH	117.48	38	ePKPd	03	15.90	-1.6				i	12	46.80		
			eSSS	16	18.00			0.8s	61.00nm								iPKKP	13	36.20		
LPA	99.77	133	iP-	58	18.80	1.2	SVV	117.71	85	ePKP	03	17.00	-2.0				iPKPd	03	35.10	-15.5X	
			epP	59	28.00	287kmX	BAO	117.88	121	ePKPd	03	18.00	-1.5	MTD	134.18	219	iPKPd	03	35.10	-15.5X	
			esP	59	52.00		PAG	118.00	82	ePKP	03	18.00	-1.6				iPKP	03	49.00		
CNCB	100.52	112	Pdiff	58	24.00	2.1X	BBL	118.05	83	ePKP	03	18.00	-1.7				i	05	01.00		
			i	20	06.00		BPA	118.08	81	ePKP	03	17.50	-2.2X				iSKP	06	56.00		
LPB	100.53	112	Pdiff	58	22.80	1.0	FDF	118.16	84	ePKP	03	18.50	-1.4				i	08	28.00		
	1.0s	110.00nm			6.3mb		BIM	118.17	84	ePKP	03	18.50	-1.4				iPKKP	13	35.00		
			PP	02	31.00		MGG	118.30	82	ePKP	03	18.50	-1.6				i	15	39.00		
			PS	10	37.00		MVM	118.35	84	ePKP	03	18.20	-2.0	KRI	135.26	216	iPKPd	03	38.00	-14.7X	
			e	20	05.00			0.8s	1.50nm								iPKP	03	50.50		
			LR	24	08.00		CRM	118.38	84	ePKP	03	18.60	-1.7				i	05	06.50		
ZOBO	100.62	112	ePdiff	58	23.65	1.3	DEC	118.64	82	ePKP	03	18.50	-2.3X				iSKP	06	49.00		
	1.0s	120.00nm			6.3mb		GDH	120.15	20	iPKPd	03	25.00	3.0X				i	08	33.10		
			esPc	59	58.56			0.5s	98.59nm								iPKKP	13	31.00		
			iPP	02	31.76					i	10	05.00		NSS	135.41	355	ePKP	03	34.79	-16.6X	
			eHPP	02	32.59					i	11	28.00		WIN	135.50	198	ePKP	03	34.00	-19.1X	
			eLR	24	00.00					i	12	25.00			1.0s	190.00nm					
CRZF	100.68	212	iPdiff	58	30.00	8.7X				i	14	22.00					i	03	53.00		
			ePP	02	45.00					i	21	00.00		TEH	135.65	301	ePKP	03	52.00	-1.0	
			eS	08	50.00					i	20	00.00		IR4	136.11	300	ePKP	03	41.00	-12.8X	
LSA	101.95	297	Pdiff	58	30.40	2.5X	KBS	121.16	358	iPKP	03	24.00	0.2	IR1	136.26	300	ePKP	03	42.50	-11.6X	
	E 14s	9.20um					CER	124.67	196	iPKPd	03	30.00	-1.9	IR7	136.29	301	ePKP	03	40.00	-14.2X	
			ePdiff	58	26.50	-0.8		1.2s	920.00nm					IR5	136.37	300	ePKP	03	45.00	-9.3X	
MBC	102.20	12	ePdiff	58	26.50	-0.8	JOZ	125.24	211	iPKPd	03	28.00	-5.2X	NUR	137.15	345	ePKP	03	41.00	-13.8X	
	0.9s	38.00nm			5.9mb			1.0s	80.00nm						0.8s	99.80nm					
			pP	59	35.00		HVD	125.29	203	iPKPc	03	32.10	-1.3				i	03	54.10		
BOG	102.98	90	ePdiff	58	34.00	1.3		1.2s	421.88nm								e	05	00.00		
			ePP	02	50.00					i	13	10.70					e	07	00.00		
BMG	104.71	88	ePdiff	58	40.00	-0.1	FRS	126.13	203	iPKPd	03	35.00	0.2				e	08	34.00		
GUN	105.93	294	Pdiff	58	49.92	4.4X		1.0s	300.00nm								e	13	04.00		
GUN	105.93	294	PKP	02	55.58	-1.2	BLF	126.38	204	iPKPc	03	35.80	0.2				e	16	20.00		
PKI	106.25	294	Pdiff	58	47.22	0.3		0.7s	120.00nm								e	19	42.00		
PKI	106.25	294	PKP	02	56.08	-1.3	SEK	126.49	206	iPKPd	03	35.40	-0.4				i	03	42.00	-13.3X	
KKN	106.41	294	Pdiff	58	47.36	-0.1		1.0s	20.00nm								i	03	42.00	-13.3X	
KKN	106.41	294	PKP	02	56.26	-1.2				i	13	06.20		OBN	137.32	333	iPKPd	03	52.00	-3.3X	
	1.0s	196.00nm					KIM	127.23	203	iPKPc	03	35.70	-1.5	OBN	137.32	333	iPKPc	03	52.00	-3.3X	
BLA	106.44	56	e(Pdiff	58	47.50	0.4	BFT	127.69	210	ePKP	03	39.00	0.8		1.3s	450.00nm					
	0.9s	23.14nm			6.4mb			1.2s	484.38nm					Z	16s	23.00um			7.0MszX		
			ePP	02	54.50					i	13	07.00		N	18s	4.20um					
			PKKP	14	18.50		SLR	128.46	209	iPKPd	03	57.50	17.9X	E	16s	4.20um					
GKN	107.02	294	Pdiff	58	50.94	0.9		0.6s	36.00nm								iPKP	04	50.00		
GKN	107.02	294	PKP	02	55.38	-3.2X		Z 20s	6.38um								iSKP	05	04.00		
SDV	107.58	87	ePdiff	58	55.20	2.3X	SLR	128.46	209	ePKPd	03	37.46	-2.1X				i	05	54.00		
WMO	108.03	311	Pdiff	58	57.00	2.9X				epP'df	04	45.89					e	06	39.00		
			SKS	09	05.00		KEV	128.53	350	ePKP	03	29.00	-9.2X				iPP	07	03.00		
			ePdiff	59	02.40	4.9X		1.1													

			eSKS	09	58.00				CSTJ	148.56	297	PKPc	04	16.80	1.3	BUD	150.15	339	e(PKP)	04	17.00	-0.2
			iSKKS	13	08.00				CEI	148.72	335	ePKP	04	22.00	6.9X	DOU	150.21	359	iPKPd	04	17.30	0.1
			eSP	17	28.00				HRI	148.79	301	ePKP	04	14.00	-1.8				id	04	23.00	
			eSPP	19	04.00				MDSJ	148.79	298	PKPc	04	17.28	1.4				pPKP+	05	28.00	
			iPPS	19	35.00				MLR	148.90	329	iPKPd	04	14.00	-1.6				i	05	34.00	
			iSS	24	24.00				JARJ	148.90	299	PKPc	04	17.20	1.2				PKKP	12	44.20	
MOL	137.64	357	ePKP	03	42.22	-13.4X			SHMJ	148.92	300	PKPc	04	17.29	1.4				e	17	04.00	
FRO	138.52	359	ePKP	03	46.29	-11.0X			GHZJ	148.96	296	PKPc	04	17.40	1.3				SKSP	18	09.00	
FOO	138.68	359	ePKP	03	47.64	-9.9X			BURJ	149.01	299	PKPc	04	17.42	1.2				e	19	22.00	
NB2	138.92	355	PKP	03	45.80	-12.3X			MOX	149.04	350	iPKP	04	15.50	0.0				SS	26	50.00	
HYA	139.09	358	ePKP	03	48.41	-9.9X				1.2s	1500.00nm					WET	150.26	348	iPKPd	04	17.20	-0.2
UPP	139.21	349	iPKP	03	44.20	-14.4X						i	04	20.30		Z	18s	5.00um			6.4Msz	
			i	03	47.30							pPKP	05	30.00		VKA	150.28	343	iPKPd	04	17.20	-0.2
TAB	139.23	305	ePKP	03	52.00	-7.5X			OTRJ	149.07	297	PKPc	04	17.36	1.1				i	04	23.40	
			e	03	58.00				PDA	149.08	49	iPKPd	04	15.60	-0.3				ipPKP	05	28.00	
			i	07	07.00				PRU	149.12	346	iPKPd	04	15.40	-0.2				isPKP	06	16.00	
SUE	139.23	359	ePKP	03	47.84	-10.7X				1.1s	1712.50nm							i	14	29.50		
KER	139.32	299	ePKPc	03	59.50	-0.3						i	04	20.50					i	04	19.00	1.0
HFS	139.54	352	ePKP	03	47.30	-11.9X						e	04	52.70		HQL	150.29	294	iPKPd	04	19.00	
	0.5s	126.20nm										i	05	30.50		DRA	150.30	330	ePKP	04	18.00	0.4
ASK	139.80	359	ePKP	03	50.17	-9.4X			SALJ	149.17	299	PKPc	04	17.64	1.3	RMN	150.41	296	iPKPd	04	18.00	-0.3
BER	139.90	359	iPKP	03	48.04	-11.7X			MASJ	149.21	298	PKP	04	17.66	1.2	WLF	150.59	357	iPKPd	04	18.11	0.3
EGD	140.01	359	ePKP	03	51.60	-8.4X			KFNJ	149.21	299	PKP	04	18.41	2.1X				id	04	24.41	
RYD	140.29	285	ePKP	03	57.00	-4.7X			PLH	149.22	356	ePKPd	04	15.50	-0.1				ic	05	33.91	
ODD1	140.33	358	iPKPc	03	52.93	-7.7X			BNS	149.24	356	iPKPd	04	15.60	-0.2	ALT	150.59	315	iPKP	04	17.00	-1.3
KMY	141.07	359	iPKPc	03	5																	

AKSR	152.69	282	iPKPd	04	21.00	-0.7	OHR	154.66	329	iPKPd	04	23.20	-0.7	SDI	156.98	341	PKP	04	26.30	-0.7
FVI	152.71	346	PKPd	04	20.00	-1.0		1.2s	851.00nm					JAU	157.02	8	PKP	04	27.73	0.6
CIN	152.71	315	ePKP	04	26.00	4.7X			i	04	31.20		MAO	157.04	346	PKP	04	26.80	-0.2	
AMAN	152.76	283	iPKPd	04	21.00	-0.8			i	05	33.40		ECRI	157.09	12	iPKPd	04	28.00	0.9	
LJU	152.80	343	iPKPd	04	21.10	-0.1	LPL	154.69	355	ePKP	04	24.00	-0.1	LHE	157.11	8	PKP	04	27.79	0.6
			i	04	22.50		LPG	154.70	355	ePKP	04	24.10	-0.1	EPF	157.11	6	ePKP	04	26.90	-0.2
			i	04	28.70			0.8s	42.00nm					0.9s	51.20nm					
			iPKPK	05	30.60		ULC	154.71	332	iPKPd	04	23.42	-0.5	LESF	157.19	5	PKP	04	27.53	0.4
OGA	152.80	349	iPKPd	04	21.40	0.0	LSD	154.71	354	PKP	04	24.34	0.2	MVO	157.21	21	ePKP	04	25.00	-2.3X
IZM	152.81	317	ePKP	04	20.40	-1.1	HVAR	154.79	338	iPKP	04	22.50	-1.5	RMP	157.22	343	PKP	04	27.10	-0.1
YER	152.83	313	iPKP	04	20.50	-1.1	COLF	154.80	0	PKP	04	24.39	0.4	RDP	157.26	343	PKP	04	27.22	-0.1
LOMF	152.86	355	PKP	04	21.00	-0.3	RJF	154.95	4	ePKP	04	23.50	-0.6	RFI	157.30	340	PKP	04	27.97	0.7
KOT	152.89	296	ePKP	04	20.70	-1.1	RSP	155.00	354	PKP	04	23.21	-1.1	LSPF	157.32	4	PKP	04	27.40	0.1
AKRL	152.98	283	iPKPd	04	21.00	-1.1	SSB	155.03	359	PKP	04	26.02	1.7	PGF	157.34	350	PKP	04	27.40	-0.1
VOY	152.98	344	iPKPd	04	21.00	-0.6	EMON	155.08	19	iPKPd	04	24.80	0.4	MTHF	157.36	2	PKP	04	27.65	0.2
			iPKPK	05	31.10		LBL	155.08	1	PKP	04	25.02	0.6	SALF	157.45	5	PKP	04	28.25	0.7
ANAL	153.01	282	iPKPd	04	22.00	-0.1	BOB	155.10	350	PKPd	04	24.10	-0.3	ORI	157.47	334	PKP	04	27.60	0.0
GRC	153.02	1	PKP	04	21.94	0.5	BNI	155.15	355	PKP	04	25.60	1.0	SGO	157.49	337	PKP	04	26.70	-0.8
LOR	153.05	360	ePKP	04	21.10	-0.4	STS	155.16	22	iPKPd	04	25.00	0.5	COI	157.54	25	iPKPd	04	27.50	-0.1
	1.0s	312.50nm					LFF	155.25	5	ePKP	04	24.10	-0.4		i	05	01.00			
VBY	153.09	342	iPKPd	04	21.90	0.3		0.8s	61.80nm				MTE	157.70	23	iPKPd	04	29.00	1.1	
			i	04	30.00		RRL	155.27	355	PKP	04	25.16	0.3		i	05	02.00			
			iPKPK	05	31.50		RSM	155.31	345	PKPd	04	25.30	0.7	MGR	157.76	336	PKP	04	26.80	-1.1
CEY	153.11	343	iPKPd	04	21.40	-0.3	BHB	155.31	354	PKP	04	23.21	-1.4	TRGS	157.76	4	PKP	04	28.27	0.2
			iPKPK	05	31.00		CAF	155.35	3	ePKP	04	24.40	-0.3	CSI	157.77	334	PKP	04	27.20	-0.8
AGMR	153.14	282	iPKPd	04	22.00	-0.3	AGG	155.39	323	ePKPd	04	23.92	-1.0	PERF	157.82	2	PKP	04	27.63	-0.3
SRS	153.23	325	iPKPd	04	20.38	-1.6	MME	155.44	348	PKP	04	22.20	-2.9	ROI	157.83	333	PKP	04	27.70	-0.4
SSF	153.26	0	ePKP	04	21.60	-0.2	SFI	155.46	346	PKPd	04	25.20	0.4	EGRA	157.85	8	iPKPd	04	29.00	1.1
TRI	153.31	344	PKPd	04	21.50	-0.4	PCP	155.46	352	PKP	04	22.90	-2.0	TDS	157.85	334	PKPd	04	27.80	-0.2
LBF	153.34	360	ePKP	04	21.50	-0.5	PGD	155.53	346	PKPd	04	25.00	-0.2	ETER	158.00	2	ePKP	04	28.50	0.4
VVI	153.37	346	PKPd	04	21.80	-0.2	LPO	155.54	4	ePKP	04	24.60	-0.4	MTH	158.31	28	iPKPd	04	30.00	1.4
CTI	153.47	348	PKPd	04	21.70	-0.6		1.2s	119.00nm						i	05	05.00			
RIY	153.49	343	iPKPd	04	21.60	-0.5	ARV	155.58	344	PKPd	04	25.10	0.0		i	06	12.00			
			i	04	29.90		BDI	155.59	348	PKPd	04	23.50	-1.7	CZI	158.31	333	PKP	04	26.80	-1.7
MFF	153.52	6	ePKP	04	21.90	-0.3	KCI	155.61	352	PKP	04	24.40	-0.7	LIS	158.47	28	iPKPd	04	29.70	1.0
AVF	153.53	1	ePKP	04	21.40	-0.7	DOI	155.65	354	PKP	04	23.20	-2.0	EPLA	158.52	21	iPKPd	04	29.80	1.0
PLE	153.53	334	iPKPd	04	22.20	-0.2	PZZ	155.66	354	PKP	04	24.24	-1.1	GRI	158.52	332	PKP	04	29.00	0.2
OUR	153.57	324	ePKPd	04	21.32	-1.1	CRE	155.71	345	PKP	04	24.40	-1.0	TBT	158.57	63	iPKPd	04	30.50	1.4
KNT	153.57	326	ePKPc	04	21.44	-1.0	CRE	155.71	345	PKP	04	13.56	-11.8X	GUD	158.58	17	iPKPd	04	30.00	1.0
VAY	153.62	327	iPKPd	04	21.00	-1.5	ROB	155.78	353	PKP	04	24.24	-1.2	CHIE	158.81	65	ePKPd	04	31.30	1.9
	1.3s	594.00nm				FIN	155.83	352	PKP	04	24.44	-1.0	ETOR	158.90	12	iPKPd	04	30.00	0.7	
			i	04	28.60		STV	155.89	354	PKP	04	23.93	-1.6	MOE	158.98	27	iPKPd	04	30.50	1.2
			i	04	44.60		PII	155.93	348	PKPd	04	24.00	-1.5		i	05	08.00			
SMF	153.67	360	ePKP	04	21.70	-0.7	ASS	156.06	344	PKP	04	24.70	-1.1		i	06	15.00			
IVA	153.69	333	iPKPd	04	22.00	-0.6	ERUA	156.08	20	iPKPd	04	26.50	0.7	EROQ	159.29	7	iPKPd	04	30.00	0.4
SKO	153.70	329	iPKPd	04	22.00	-0.6	IGT	156.09	327	ePKPd	04	25.40	-0.5	GMB	159.30	332	PKP	04	29.62	-0.2
			i	04	30.80		SAOF	156.13	353	PKP	04	25.67	-0.2	TOL	159.31	17	iPKP	04	29.50	-0.2
			i	04	35.40		AUTN	156.13	353	PKP	04	25.69	-0.4		iPKPK	05	08.50			
			i	04	45.00		TOUF	156.13	354	PKP	04	25.99	-0.1	MBO	159.37	103	iPKPd	04	31.40	1.1
			i	05	31.50		IMI	156.16	353	PKP	04	25.06	-0.9	CTFE	160.01	62	ePKP	04	33.70	3.0X
			i	05	33.20		AURF	156.25	354	PKP	04	25.82	-0.2	ECHE	160.30	11	iPKPd	04	32.00	1.2
			i	06	12.00		MVIF	156.26	354	PKP	04	26.08	-0.1	CGL	160.37	347	PKP	04	31.44	0.5
			i	08	57.00		SBF	156.26	353	ePKP	04	25.40	-0.6	FIG	160.39	29	iPKPd	04	32.00	1.1
			i	09	25.80		REVF	156.39	354	PKP	04	26.03	-0.2		i	05	13.50			
			i	13	50.00		BAI	156.41	335	PKP	04	26.00	-0.2	FAR	160.40	29	ePKP	04	32.50	1.7
			i	14	45.80		CALN	156.42	354	PKP	04	26.38	0.0		i	05	13.70			
			i	15	30.00		BRT	156.47	334	PKP	04	26.10	-0.2	ESEL	160.53	2	iPKPd	04	32.00	1.1
			i	17	25.50		AQU	156.52	342	PKP	04	26.30	-0.1	MEU	160.60	332	PKP	04	32.00	0.8
			i	18	04.00		CDR	156.59	356	iPKPd	04	25.86	-0.5	GGC	160.65	62	iPKPd	04	32.40	1.0
			i	19	25.00				i	04	33.80		ERC	160.70	339	PKP	04	31.50	0.3	
			i	20	39.50				i	05	49.52		EHOR	160.81	22	iPKPd	04	32.50	1.3	
			i	22	50.00		LCI	156.60	332	PKP	04	26.40	-0.1	EVIA	160.89	15	iPKPd	04	32.80	1.4
			i	23	28.00		FRF	156.64	355	ePKP	04	25.80	-0.6	FAI	160.97	335	PKP	04	33.30	1.9
			i	27	42.00		PTO	156.66	24	iPKPd	04	26.70	0.2	EBAN	160.98	19	iPKPd	04	32.50	1.1
BGF	153.75	1	ePKP	04	22.20	-0.3			iPKPab	04	36.80		GIBL	161.42	25	ePKP	04	34.50	2.6X	
DHLJ	153.84	299	PKP	04	18.20	-4.8X			i	04	57.00		LIJA	161.57	24	ePKP	04	34.00	1.8	
PVY	153.88	332	iPKPd	04	22.30	-0.7	MNS	156.69	343	PKPd	04	25.80	-0.8	EHUE	161.64	16	iPKPd	04	32.00	0.6
THE	153.91	325	iPKPd	04	21.76	-1.1	LRG	156.76	355	ePKP	04	26.20	-0.4	ALJ	161.69	25	ePKP	04	34.50	2.2X
GRG	153.98	327	iPKPd	04	22.20	-0.8		1.1s	267.10nm				CFTV	161.82	60	iPKPd	04	33.70	1.1	
TCF	154.00	2	ePKP	04	22.50	-0.4	ELYF	156.80	9	PKP	04	26.53	-0.2	ECOG	161.87	19	iPKPd	04	32.50	0.0
LSF	154.00	4	ePKP	04	22.20	-0.7	DUI	156.82	339	PKP	04	26.50	-0.3	EALH	161.88	13	iPKPd	04	33.50	1.2
PAIG	154.01	323	ePKPc	04	21.69	-1.3	MADF	156.85	9	PKP	04	26.75	0.0	AFC	161.89	19	iPKPd	04	32.70	0.1
MDI	154.08	350	PKPd	04	21.70	-1.2	LMR	156.87	355	ePKP	04	26.20	-0.5	EJIF	161.94	25	iPKPd	04	34.00	1.6
MAF	154.08	2	ePKP	04	22.50	-0.5	ATE	156.92	8	PKP	04	27.14	0.3	MAL	162.09	22	iPKPd	04	33.00	0.5
SAL	154.11	349	PKP	04	23.00	0.1	ESCF	156.95	8	PKP	04	27.01	0.1		e	10	52.20			

09d 08h

TIO 165.44 41 iPKPd 04 37.10 1.0
 05 35.70
 05 48.50
 LKO 166.03 138 PKPd 04 36.30 -0.5
 1.2s 623.50nm
 S.D. = 1.0 on 626 of 721 obs.

? JUN 09, 1991 08h 54m 20.55± 1.71s
 46.394 N ± 21.5km 1.837 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

LSF 0.26 236 Pg 54 26.00 0.0
 Sg 54 29.10
 TCF 0.28 112 Pg 54 26.80 0.4
 Sg 54 30.60
 MAF 0.53 109 Pg 54 31.00 -0.4
 Sg 54 38.30
 BGF 0.72 76 Pg 54 34.70 0.0
 Sg 54 44.50
 S.D. = 0.5 on 4 of 4 obs.

* JUN 09, 1991 09h 34m 04.42± 1.11s
 40.436 N ± 10.1km 21.840 E ± 7.5km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

FNA 0.50 315 ePc 34 14.54 0.1
 eS 34 23.98
 LIT 0.60 124 ePd 34 16.58 0.0
 GRG 0.67 39 iPd 34 17.50 -0.3
 eS 34 38.14
 OHR 1.04 311 ePn 34 24.00 -0.1
 VAY 1.04 32 ePn 34 24.40 0.3
 S.D. = 0.3 on 5 of 5 obs.

JUN 09, 1991 10h 15m 50.34± 0.38s
 4.361 S ± 6.2km 153.068 E ± 7.3km
 DEPTH = 33.0km (normal)
 4.9mb (8 obs.)
 NEW IRELAND REGION (190)

RAB 0.91 281 iPd 16 36.00 29.2X
 PMG 7.72 229 eP 17 44.00 0.7
 VSG 8.19 127 eP 17 50.00 0.0
 eS 19 21.00
 SVO 8.22 126 eP 17 50.00 -0.2
 eS 19 27.00
 HNR 8.48 127 P 17 55.00 1.0
 S 19 30.00
 QIS 20.75 218 eP 20 30.00 -1.0
 DZM 21.86 145 iPc 20 41.90 -0.4
 RMQ 22.39 190 eP 20 48.00 0.6
 BRS 22.90 181 iPc 20 54.00 1.5
 WB2 23.92 228 iPc 21 03.10 0.7
 0.5s 47.80nm 5.3mb
 e 24 45.60

KNA 26.43 243 eP 21 27.00 0.8
 0.4s 8.00nm 4.7mb
 ASPA 26.65 222 eP 21 27.30 -0.9
 0.6s 8.60nm 4.5mb
 CMS 27.83 193 iPd 21 38.00 -0.8
 STK 29.42 200 iPc 21 52.00 -1.1
 1.1s 3.60nm 4.0mb

CGP 31.03 294 eP 22 05.00 -2.5
 MBL 36.33 240 eP 22 52.40 -0.9
 SSE 46.57 321 eP 24 19.00 2.0
 NJ2 48.68 321 Pc 24 35.00 1.5
 WHN 50.73 316 eP 24 50.50 1.3
 TIA 52.52 323 eP 25 02.40 -0.4
 CN2 54.01 335 eP 25 10.80 -2.8
 GYA 54.34 307 P 25 17.80 1.3
 TIY 56.35 322 Pd 25 31.00 0.2
 XAN 56.49 316 P 25 31.00 -0.8
 GTA 65.52 317 P 26 34.60 1.6
 1.4s 10.00nm 4.7mb

YAK 68.58 348 iPd 26 51.70 0.0
 GUN 72.12 301 P 27 14.64 0.2
 0.7s 44.00nm 5.6mb
 PKI 72.44 301 P 27 15 3 -0.3
 KKN 72.61 301 P 27 17.10 0.0
 0.6s 31.00nm 5.5mb
 GKN 73.21 301 P 27 20.40 -0.2
 WMQ 75.60 317 P 27 35.00 1.0
 1.1s 10.00nm 4.7mb
 sP 27 49.50

FBA 81.38 22 eP 28 03.30 -1.6
 1.0s 0.80nm 3.7mb X
 NB2 116.59 340 PKP 34 31.80 -0.7
 0.7s 0.50nm
 CLL 122.60 331 iPKPd 34 44.10 0.0
 KHC 123.71 329 ePKP 34 46.50 0.1
 IFR 144.58 328 iPKP 35 24.00 -2.0X
 VAO 146.50 145 ePKP 35 32.00 2.7X
 S.D. = 1.2 on 34 of 37 obs.

JUN 09, 1991 10h 57m 08.84± 0.19s
 80.154 N ± 3.5km 0.847 E ± 4.3km
 DEPTH = 26.7km (17 depth phases)
 4.9mb (45 obs.) 4.8MsZ (5 obs.)
 NORTH OF SVALBARD (641)

KBS 2.37 116 iPc 57 43.00 -3.7X
 eSg 58 08.50
 DAG 5.17 239 iPd 58 19.90 -6.4X
 0.3s 271.43nm 6.3mb X
 JNW 9.44 199 iP 59 20.11 -5.8X
 iS 00 58.63

JNE 9.47 198 iP 59 20.41 -6.0X
 eS 00 57.76
 JMI 9.56 199 iP 59 21.82 -5.7X
 iS 00 59.88

TRO 11.47 147 eP 59 52.50 -1.2
 KEV 12.25 134 iP 00 08.00 3.9X
 ARA0 12.27 136 P 59 59.60 -4.9X
 S 02 08.50

KTK1 12.51 141 iP 00 04.62 -3.0X
 SOD 14.46 138 iP 00 30.00 -3.3X
 AKU 15.40 210 eP 00 50.60 5.1X
 0.9s 33.61nm 4.6mb

NB2 19.45 165 P 01 33.31 -2.5
 1.2s 42.90nm 4.6mb
 NRA0 19.77 164 P 01 37.30 -1.9
 HFS 20.48 161 eP 01 44.50 -2.1
 0.9s 24.40nm 4.6mb

Z 16s 0.48um 4.0MsZ X
 LR 06 52.00
 MBC 20.66 324 eP 01 48.00 -0.3
 1.2s 48.00nm 4.8mb

NUR 20.94 146 iP 01 49.80 -1.5
 0.9s 72.70nm 5.1mb
 UPP 21.00 156 iP 01 49.90 -2.0
 FRB 24.60 270 eP 02 27.00 -0.3
 COP 24.86 164 iPd 02 35.80 5.9X

0.9s 33.61nm 5.0mb
 BSD 25.56 161 iP 02 36.10 -0.4
 i 02 45.70
 OBN 27.57 133 iPd 02 54.00 -1.0
 1.0s *****nm 8.1mb X

i 03 00.00
 e 03 20.00
 i 03 54.00

WTS 28.35 172 eP 03 03.00 1.0
 1.0s 13.00nm 4.6mb
 CLL 29.25 164 eP 03 08.00 -2.1
 1.6s 24.00nm 4.7mb

e 03 17.00
 e 04 03.00
 ENN 29.56 173 eP 03 12.00 -0.9
 0.9s 12.00nm 4.7mb

INK 29.58 327 ePd 03 11.60 -1.3
 MOX 29.85 166 eP 03 15.00 -0.6
 KSP 29.89 160 eP 03 14.00 -1.9
 e 04 12.00

PRU 30.65 163 P 03 22.50 -0.1
 e 03 31.00
 e 06 20.00

KRA 30.91 156 eP 03 23.90 -1.0
 e 03 32.70
 KHC 31.46 164 P 03 29.00 -0.7
 1.1s 10.00nm 4.6mb

i 03 37.00
 SPC 31.79 156 eP 03 30.40 -2.5
 CDF 31.95 172 eP 03 36.50 2.4
 1.2s 23.80nm 5.0mb

HAU 32.33 173 eP 03 39.70 2.3
 1.2s 17.85nm 4.9mb
 BSF 32.52 173 eP 03 41.20 2.1
 1.2s 11.90nm 4.7mb

ZST 32.58 160 eP 03 39.10 -0.4
 LOR 33.03 176 eP 03 44.80 1.4
 0.8s 5.35nm 4.5mb
 SRO 33.03 158 eP 03 50.90 7.5X

SSF 33.23 177 eP 03 46.60 1.4
 1.0s 14.00nm 4.8mb
 LBF 33.32 176 eP 03 47.40 1.5
 1.0s 16.00nm 4.9mb

AVF 33.50 177 eP 03 49.20 1.7
 1.2s 23.80nm 5.0mb
 SMF 33.65 176 eP 03 50.10 1.3
 1.2s 14.90nm 4.8mb

BGF 33.73 178 eP 03 51.20 1.7
 1.0s 22.00nm 5.0mb
 FVI 33.95 165 P 03 52.20 0.8
 TCF 34.00 178 eP 03 53.50 1.7
 0.8s 6.05nm 4.6mb

MAF 34.07 178 eP 03 53.80 1.4
 1.2s 17.85nm 4.9mb
 FBA 34.08 337 P 03 53.40 1.0
 1.0s 56.50nm 5.5mb

pP 04 02.70 32km
 CTI 34.45 167 P 03 55.70 -0.1
 VAI 34.53 170 P 03 56.80 0.4
 VOY 34.56 164 e(P) 03 56.40 -0.4
 e 04 04.80

LJU 34.58 163 eP 03 55.50 -1.4
 LPL 34.83 173 eP 04 02.10 2.9X
 1.0s 14.00nm 4.8mb
 LPG 34.85 173 eP 04 02.40 2.9X
 1.2s 29.75nm 5.1mb

TRI 34.88 164 eP 03 59.00 -0.4
 RJF 34.98 179 eP 04 01.80 1.6
 1.0s 16.00nm 4.9mb
 YAK 35.15 40 eP 04 01.40 -0.1

VBY 35.16 162 eP 04 05.00 3.2X
 MLR 35.92 149 eP 04 10.00 1.6
 e 21 43.00

SFI 36.58 167 P 04 15.00 1.3
 PGD 36.62 167 P 04 15.50 1.2
 FRF 36.78 173 eP 04 18.00 2.5
 1.0s 28.00nm 5.1mb

CRE 36.88 167 P 04 16.50 0.1
 ARV 37.05 165 P 04 18.00 0.3
 ASS 37.46 166 P 04 29.80 8.5X
 FFC 38.72 295 iPc 04 31.30 -0.4

0.7s 8.00nm 4.6mb
 VAY 39.79 154 eP 04 40.20 -0.5
 OHR 39.87 156 eP 04 40.70 -0.7
 IRK 41.19 65 ePc 04 51.80 -0.3
 e 04 59.10

e 06 29.00
 KVT 41.31 139 eP 04 53.40 0.2
 SES 44.29 302 ePd 05 16.00 -1.4
 1.1s 131.00nm 5.7mb

pP 05 24.00 27km
 PNT 46.55 309 eP 05 36.00 0.7
 1.2s 21.00nm 5.0mb
 WMQ 46.64 84 iPc 05 37.50 1.3
 1.0s 60.00nm 5.5mb

Z 20s 0.60um 4.5MsZ
 N 13s 0.80um

sP 05 52.50
 SCS 15 27.00
 NEW 47.24 307 P 05 41.30 0.5
 1.0s 62.50nm 5.6mb

pP 05 48.80 25km
 LRM 48.96 302 eP 05 54.10 -0.4
 e 06 01.80

HRI 48.99 141 eP 05 54.00 -0.7
 RSSD 49.34 293 P 05 57.00 -0.4
 1.0s 7.86nm 4.7mb

pP 06 04.20 24km
 ATZ 49.39 141 iPc 05 57.10 -0.5
 BW06 51.51 298 P 06 12.20 -1.8
 1.0s 15.17nm 4.9mb

pP 06 21.00 29km
 PRNI 51.81 142 iPc 06 15.30 -0.8
 MDJ 52.22 45 eP 06 19.20 0.2
 pP 06 28.50 31km

CN2 52.51 49 P 06 21.60 0.4
 Z 16s 1.20um 5.0MsZ X
 pP 06 27.60 20km
 GTA 52.98 73 iPc 06 25.20 0.3
 1.2s 40.00nm 5.2mb

Z 16s 0.60um 4.7MsZ X
 pP 06 33.80 28km
 sP 06 42.40
 HHC 53.44 62 P 06 29.00 0.7
 0.8s 20.00nm 5.1mb

BT0 53.45 64 eP 06 29.00 0.7

N	20s	1.20um				HYB	70.85	99 eP	08 24.50	-0.4			0.9s	65.00nm	5.5mb	
E	15s	0.40um				CHG	72.97	79 ePc	08 37.00	-0.5		PMG	39.00 314 iPc	08 52.50 1.3		
GOL	53.87 293 P	06 30.20	-1.4				1.0s	14.00nm		4.9mb			1.0s	200.00nm	5.9mb	
	1.0s	46.00nm	5.5mb			IPM	87.26	79 ePd	09 58.80	5.0X		WB2	39.65 288 iPd	08 56.00 -0.6		
	pP	06 38.30	27km			SNA	150.29	182 iPKPc	16 57.20	5.9X			0.4s	201.00nm	6.3mb	
SNY	54.20 51 Pd	06 34.60	1.0				1.0s	58.00nm				WRA	39.65 288 P	08 56.00 -0.7		
	1.4s	60.00nm	5.4mb			NVL	150.86	173 ePKP	17 02.00	9.8X			0.6s	116.30nm	5.9mb	
BJI	54.92 58 eP	06 40.00	1.0			MAW	151.51	135 ePKP	17 00.60	7.4X		LAT	41.38 316 iPc	09 12.60 1.8		
Z	20s	0.60um	4.7msz			S.D. = 1.1 on 105 of 130 obs.							WARB	41.84 274 iPc	09 13.30 -1.3	
	sP	06 49.00				JUN 09, 1991 11h 01m 33.97± 0.22s							COOL	0.4s	16.00nm	5.2mb
WDC	55.52 310 eP	06 42.50	-0.8			40.100 S ± 3.9km 174.393 E ± 3.8km								43.76 265 eP	09 29.10 -1.0	
	e	06 49.80				DEPTH = 109.4km (2 depth phases)								0.4s	24.00nm	5.3mb
MIN	55.62 309 ePc	06 43.80	-0.5			5.4mb (22 obs.)							RKG	45.29 258 eP	09 41.00 -1.2	
	e	06 51.30				COOK STRAIT, NEW ZEALAND (163)							NWAO	45.82 260 eP	09 45.30 -1.1	
PV09	55.63 297 eP	06 44.00	-0.6			Felt widely in central New Zealand.								0.3s	23.00nm	5.4mb
	pP	06 51.90	26km									KLB	46.01 262 eP	09 46.40 -1.6		
TUL	56.01 283 ePd	06 51.40	4.5X										0.3s	11.00nm	5.1mb	
	1.2s	368.70nm	6.3mb X			DIW	0.79	207 Pd	01 53.40	0.1		KNA	46.40 288 eP	09 51.00 -0.1		
Z	19s	4.57um	5.6msz			KIW	0.86	153 Pc	01 54.20	0.2			0.4s	34.00nm	5.5mb	
	LR	27 49.60				MNG	0.98	122 Pc	01 55.80	0.6		MUN	47.02 261 eP	09 54.80 -1.1		
ORV	56.39 308 eP	06 55.20	5.6X					S	02 10.10				1.0s	140.00nm	5.7mb	
	e	07 02.50				TCW	1.12	185 Pc	01 56.90	0.3		BAL	47.27 263 eP	09 56.40 -1.5		
QUE	56.41 108 eP	06 47.00	-3.1X			CAW	1.13	153 Pc	01 57.30	0.5		MRWA	48.47 264 eP	10 06.00 -1.3		
TIY	56.65 62 Pd	06 52.60	1.0			MRW	1.16	168 Pc	01 57.50	0.5			0.4s	4.00nm	4.6mb	
Z	20s	1.20um	5.0msz			WEL	1.22	167 P	01 58.10	0.3		MBL	49.80 275 iPc	10 15.80 -1.7		
E	12s	0.42um				WDW	1.25	159 Pc	01 58.40	0.2		SPA	50.09 180 iPd	10 21.50 2.1		
LZH	56.89 70 iPc	06 53.50	0.1			CNZ	1.27	45 P	01 58.90	0.4			1.0s	26.00nm	5.2mb	
	1.5s	71.00nm	5.5mb			NGZ	1.31	46 P	01 59.40	0.4		NANU	52.31 271 eP	10 35.00 -1.5		
Z	18s	0.74um	4.8msz			KETZ	1.39	45 P	02 00.20	0.2		MAW	61.00 204 iPc	11 31.20 -6.3X		
E	18s	1.20um				MOW	1.47	154 P	02 01.10	0.3		MNI	61.22 300 e(P)	11 38.50 -1.2		
	pP	07 02.50	29km			RATZ	1.63	41 eP	02 02.90	0.2		TRT	63.57 283 iPc	11 54.10 -1.1		
TNP	57.24 304 P	06 55.00	-1.0			CCW	1.65	185 P	02 03.70	0.7		CGP	66.60 305 eP	12 15.00 0.4		
	1.0s	17.50nm	5.0mb			HITZ	1.75	38 P	02 04.90	0.7		MAP	68.48 305 eP	12 24.00 -2.4		
	pP	07 02.70	25km			HATZ	1.78	48 P	02 04.30	-0.4		NVL	68.73 186 ePc	12 28.00 0.8		
CMB	57.73 307 e(P)	07 05.80	6.6X			TTH	1.96	74 P	02 06.60	-0.2			iP	12 54.00 102km		
MHC	58.58 308 eP	07 05.70	0.4			THZ	2.01	214 P	02 06.90	-0.7			e	13 06.00		
	e	07 13.20						eS	02 31.80				iS	21 22.50		
FRI	58.66 306 eP	07 05.70	0.1			WHH	2.03	54 P	02 07.20	-0.7			e	21 30.00		
	e	07 13.20				KHZ	2.40	195 P	02 11.60	-1.1			eS	22 10.00		
ANMO	58.69 293 P	07 05.00	-1.1			WLZ	2.44	23 P	02 13.40	0.2		SNA	69.87 181 eP	12 36.00 1.9		
	0.9s	3.57nm	4.5mb			LTZ	3.12	210 P	02 20.50	-1.8			1.0s	36.00nm	5.2mb	
	pP	07 13.00	26km					eS	02 54.30			KGM	76.92 284 ePc	13 15.80 -0.2		
RYD	58.74 130 eP	07 05.00	-1.4			NOZ	3.19	64 P	02 21.50	-1.7			e	16 10.10		
TIA	58.82 58 eP	07 06.50	-0.2			PUZ	3.62	57 P	02 26.70	-2.5		IPM	80.33 284 ePc	13 37.70 3.2X		
CLC	59.52 304 eP	07 12.00	0.3					eS	03 09.20				0.6s	43.00nm	5.4mb	
	e	07 19.00				MQZ	3.83	199 P	02 28.60	-3.3X		PSI	80.66 281 ePd	13 41.30 5.1X		
PRS	59.54 308 eP	07 11.80	0.0			HBZ	3.94	52 eP	02 31.10	-2.4		CHJJ	82.48 332 P	13 45.10 -0.1		
	e	07 19.20				MHZ	6.23	216 P	03 00.80	-4.2X		MAT	83.21 331 eP	13 49.00 0.1		
NDI	59.60 98 iPd	07 13.00	0.8			MSZ	6.62	224 P	03 06.40	-3.8X			1.0s	20.00nm	5.0mb	
PRI	59.63 307 eP	07 13.50	1.0			DZM	19.20	337 iPc	05 52.50	0.6		MTMJ	83.40 331 P	13 50.10 0.1		
	e	07 21.00				CNB	20.35	276 iPc	06 05.90	2.3		PEL	85.53 130 eP	14 03.50 2.5		
XAN	59.70 66 P	07 13.00	0.1					i	06 28.00			SSE	86.31 316 eP	14 03.50 -1.0		
ISA	59.79 305 eP	07 13.00	-0.6			TAU	20.44	253 eP	06 09.00	4.6X			Z 16s	0.60um	5.1msz X	
	e	07 21.00						i	06 27.00			E 15s	0.40um			
GSC	59.91 303 eP	07 15.00	0.6			CAN	20.62	275 eP	06 08.10	1.7		NJ2	88.29 316 Pd	14 14.00 0.0		
	e	07 22.00				BWA	21.40	277 eP	06 13.60	-0.6		WHN	89.65 312 eP	14 20.50 0.0		
SBH	60.66 304 eP	07 20.00	0.5			TOO	22.61	267 iPd	06 28.70	2.6X			pP	14 51.00 116km		
	e	07 27.00				PVC	22.89	345 iP	06 31.20	2.4		TIA	92.40 317 eP	14 32.70 -0.3		
TPC	60.98 302 eP	07 22.00	0.4			CMS	24.63	281 iPc	06 46.30	0.8		CN2	94.46 327 eP	14 40.00 -2.3		
	e	07 29.00					1.0s	19.00nm		4.5mb		LZH	99.75 309 eP	15 08.50 1.7		
SYP	61.12 306 eP	07 24.00	1.3			BFD	24.98	266 iPd	06 49.50	0.8			Z 18s	0.49um	5.1msz	
	e	07 31.00					1.0s	152.00nm		5.4mb		E 13s	0.70um			
MWC	61.15 304 eP	07 23.00	0.0			RMO	25.26	295 iPc	06 53.00	1.6		YKA	116.89 29 ePKP	20 03.60 -2.5X		
	e	07 30.00						i	07 17.60				0.8s	1.90nm		
MAT	61.18 39 eP	07 22.00	-1.0			STK	27.66	277 iPc	07 13.80	0.5		MBC	123.30 15 ePKP	20 15.50 -2.5X		
	1.2s	7.81nm	4.7mb				1.1s	17.60nm		4.6mb			1.0s	7.00nm		
GKN	61.54 91 P	07 25.32	-0.3			OLP	28.42	289 iPc	07 21.00	0.8		MAIO	129.72 288 ePKP	20 31.00 -0.7		
	1.1s	108.00nm	5.9mb			ADE	28.63	269 iPd	07 22.50	0.4		HOL	145.14 265 ePKP	21 00.00 0.0		
PLM	61.83 303 eP	07 28.00	0.4				1.0s	200.00nm		5.7mb		MBH	145.50 265 iPKPc	21 04.90 4.2X		
	e	07 35.00				HNR	33.14	333 eP	08 02.00	0.3		PRNI	145.68 266 iPKPc	21 05.70 4.8X		
GUN	61.84 90 P	07 27.74	-0.2			VSG	33.39	333 eP	08 06.00	2.1		LIC	146.27 181 PKPc	21 02.60 0.3		
	1.1s	90.00nm	5.8mb			SVO	33.45	333 P	08 06.00	1.6			0.5s	61.00nm		
KKN	61.86 90 P	07 27.68	-0.2			QIS	35.48	293 iPc	08 21.80	0.0		HRI	146.38 272 ePKP	21 08.00 5.9X		
	0.9s	175.00nm	6.2mb X				0.9s	68.00nm		5.5mb		KIC	146.40 182 PKP	21 03.12 0.6		
CD2	61.94 72 eP	07 28.20	0.0			ASPA	37.73	283 iPc	08 40.30	-0.3			0.6s	114.50nm		
	pP	07 37.00	29km				0.3s	219.00nm		6.5mb X		TIC	146.69 181 PKP	21 03.74 0.7		
PKI	62.09 90 P	07 29.46	-0.1					ePcP	09 43.90	320kmX		BHL	146.70 273 PKP	21 02.50 -0.1		
	1.3s	169.00nm	6.0mb X					eS	10 55.20			SOD	147.42 337 iPKP	21 02.80 0.3		
BAR	62.47 302 eP	07 39.00	7.4X					eScS	14 20.20			HLW	148.25 263 ePKP	21 04.75 -0.3		
NJ2	63.15 57 Pd	07 36.00	-0.1			PPT	38.35	65 iP	08 49.30	3.4X		OBN	148.38 313 iPKPc	21 06.00 1.6		
WHN	63.97 62 P	07 41.50	0.0				0.9s	85.00nm		5.6mb			1.5s	*****nm		
	pP	07 50.00	27km					e	08 46.00	-0.5			i	21 37.00		
SSE	64.43 55 Pc	07 47														

09d 11h

KAS 150.31 285 ePKP 21 12.50 4.6X
 KAF 150.74 329 ePKP 21 10.90 3.1X
 esP 21 14.10
 NUR 152.30 328 ePKP 21 15.00 4.9X
 0.6s 17.60nm
 HFS 156.60 335 ePKP 21 26.70 10.7X
 0.4s 0.90nm
 DMU 166.17 3 ePKP 21 28.00 2.1X
 S.D. = 1.2 on 85 of 106 obs.

* JUN 09, 1991 11h 21m 51.68 ± 1.04s
 4.692 S ± 11.7km 129.871 E ± 19.1km
 DEPTH = 33.0km (normal)
 BANDA SEA (280)

KUPT 8.25 229 eP 23 51.50 -0.5
 es 25 30.00
 KNA 11.04 186 iPc 24 31.20 0.7
 0.4s 42.00nm 6.0mb
 WB2 15.78 164 iPc 25 32.80 -0.4
 0.4s 46.30nm 5.0mb
 QIS 18.39 150 eP 26 06.00 0.0
 i 26 10.00
 e 29 10.00
 ASPA 19.26 169 eP 26 09.50 -7.0X
 0.3s 70.80nm 5.4mb
 CHG 38.39 308 eP 29 14.90 2.9
 0.9s 12.60nm 4.7mb
 GUN 53.36 310 P 31 10.32 -0.6
 0.5s 40.00nm 5.7mb
 PKI 53.55 309 P 31 11.54 -0.7
 0.4s 26.00nm 5.6mb
 KKN 53.76 310 P 31 12.88 -0.7
 0.4s 21.00nm 5.5mb
 GKN 54.36 309 P 31 17.12 -0.9
 0.3s 53.00nm 6.0mb
 S.D. = 1.4 on 9 of 10 obs.

JUN 09, 1991 12h 56m 19.18 ± 0.67s
 17.873 S ± 7.6km 69.273 W ± 8.2km
 DEPTH = 147.7 ± 7.3 km
 4.9mb (7 obs.)
 PERU-BOLIVIA BORDER REGION (118)

CNCB 1.63 50 iPc 56 52.90 2.0
 LPB 1.74 40 iPc 56 52.80 0.8
 ZOBO 1.94 35 iPc 56 56.00 1.6
 ARE 2.54 303 iPc 57 01.70 0.2
 is 57 32.30
 ANT 5.90 190 iP 57 42.50 -2.9
 is 58 46.00
 SIV 8.07 78 iPc 58 12.20 -2.6
 NNA 9.37 308 iPd 58 29.20 -2.8
 PEL 15.26 185 eP 59 48.00 -0.1
 1.0s 40.00nm 4.7mb
 i 59 51.30
 SAN 15.56 184 ePd 59 54.00 2.1
 PCH 15.72 184 eP 59 55.00 1.1
 PPD 17.38 107 eP 00 13.00 -1.3
 BAO 20.50 87 ePc 00 46.80 -0.7
 VAO 21.51 107 eP 00 56.90 -0.6
 BMA 24.03 106 (P) 01 22.00 0.1
 TUL 59.09 335 eP 06 05.40 -0.7
 0.6s 36.00nm 5.5mb
 LIC 67.76 75 P 07 02.90 -0.4
 KIC 68.07 75 P 07 04.90 -0.4
 LKO 68.52 72 Pc 07 07.62 -0.4
 0.6s 19.50nm 5.1mb
 NVL 70.33 160 ePd 07 19.00 0.8
 SPA 72.24 180 iPd 07 29.50 -0.3
 0.6s 10.16nm 4.7mb
 SES 77.28 334 eP 07 58.00 -0.5
 PNT 80.38 329 eP 08 17.00 1.7
 0.7s 8.00nm 4.6mb
 YKA 87.67 341 eP 08 52.00 0.4
 0.7s 7.40nm 4.8mb
 MAW 87.89 163 iP 08 54.80 2.0
 0.9s 15.00nm 5.0mb
 ASPA 132.92 210 iPKPd 15 20.30 1.2
 1.0s 5.70nm
 WB2 135.84 213 ePKP 15 24.40 -0.3
 0.3s 4.20nm
 WRA 135.85 213 PKP 15 25.00 0.2
 0.9s 4.10nm
 MAT 149.46 313 ePKP 15 54.00 6.2X

1.2s 20.31nm
 S.D. = 1.5 on 27 of 28 obs.
 % JUN 09, 1991 13h 01m 42.99 ± 2.02s
 46.044 N ± 16.7km 2.895 E ± 6.6km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

MAF 0.29 308 Pg 01 48.90 -0.2
 Sg 01 53.60
 BGF 0.52 356 Pg 01 53.10 -0.3
 Sg 02 01.30
 TCF 0.54 297 Pg 01 54.00 0.2
 Sg 02 01.20
 Sn 02 05.20
 SMF 0.89 47 Pg 01 59.50 -0.6
 Sg 02 11.70
 LSF 0.97 283 Pg 02 01.40 -0.1
 Sg 02 14.60
 SSF 1.10 22 Pg 02 04.20 0.5
 Sg 02 18.50
 LOR 1.39 28 Pg 02 08.90 0.4
 Sg 02 27.30
 S.D. = 0.5 on 7 of 7 obs.

% JUN 09, 1991 13h 08m 35.82 ± 0.94s
 39.322 N ± 8.9km 28.946 E ± 10.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.4 (ISK).

DST 0.38 319 iPn 08 42.40 -1.1
 KHL 1.09 155 ePn 08 56.20 -0.2
 EDC 1.32 321 ePn 09 00.00 -0.2
 EYL 1.55 36 ePn 09 03.50 -0.1
 HRT 1.60 20 ePn 09 04.50 0.3
 KGT 1.69 312 ePn 09 07.00 1.4
 S.D. = 1.1 on 6 of 6 obs.

% JUN 09, 1991 14h 13m 36.91 ± 0.80s
 41.930 N ± 7.0km 13.308 E ± 5.8km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN ITALY (390)

AQU 0.43 9 P 13 45.70 0.0
 eSg 13 53.00
 SDI 0.44 120 P 13 45.90 0.0
 eSg 13 53.90
 RMP 0.47 255 P 13 46.50 0.1
 eSg 13 55.00
 RDP 0.47 249 P 13 46.50 -0.1
 eSg 13 54.40
 MNS 0.65 314 P 13 49.90 0.0
 eSg 14 00.10
 S.D. = 0.1 on 5 of 5 obs.

* JUN 09, 1991 15h 05m 42.83 ± 1.03s
 27.140 N ± 18.5km 67.087 E ± 10.7km
 DEPTH = 33.0km (normal)
 4.7mb (6 obs.)
 PAKISTAN (710)

NDI 9.09 78 eP 07 57.00 2.2
 eS 09 40.00
 MAIO 11.18 327 eP 08 15.00 -8.5X
 HYB 14.35 130 eP 09 06.00 0.3
 GKN 15.59 83 P 09 22.16 0.2
 0.7s 44.00nm 4.7mb
 DMN 16.02 84 P 09 27.82 0.3
 KKN 16.16 84 P 09 27.68 -1.7
 PKI 16.29 84 P 09 29.78 -1.3
 0.5s 30.00nm 4.7mb
 GUN 16.69 83 P 09 35.18 -1.0
 0.6s 57.00nm 4.9mb
 NUR 43.97 331 eP 13 48.00 -0.3
 UPP 46.84 328 iP 14 10.30 -0.8
 SOD 47.10 340 iP 14 13.20 0.1
 HFS 48.79 328 eP 14 25.20 -1.2
 0.6s 4.80nm 4.7mb
 MBC 76.79 2 eP 17 34.00 1.8
 1.0s 6.00nm 4.6mb
 WRA 80.19 118 P 17 52.00 0.2
 0.8s 2.00nm 4.2mb
 INK 83.62 8 eP 18 10.00 1.2
 S.D. = 1.3 on 14 of 15 obs.

% JUN 09, 1991 15h 45m 03.50 ± 0.62s

43.023 N ± 5.2km 19.295 E ± 4.8km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 1.9 (TTG).

NKY 0.30 226 iPg 45 09.84 0.0
 iSg 45 15.66
 PLE 0.32 13 iPg 45 10.23 0.1
 iSg 45 15.34
 IVA 0.47 109 iPg 45 13.14 0.1
 iSg 45 20.06
 BRY 0.56 258 iPg 45 14.59 -0.5
 iSg 45 24.36
 TTG 0.59 182 iPg 45 14.86 -0.6
 iSg 45 24.16
 PVY 0.66 130 iPg 45 16.34 -0.3
 iSg 45 27.06
 BDV 0.82 205 iPg 45 19.34 0.0
 iSg 45 32.44
 HCY 0.82 226 iPg 45 19.88 0.5
 iSg 45 32.81
 ULC 1.06 182 iPg 45 24.13 0.7
 iSg 45 40.29
 S.D. = 0.5 on 9 of 9 obs.

JUN 09, 1991 16h 13m 02.86 ± 0.32s
 3.542 S ± 4.4km 131.023 E ± 8.6km
 DEPTH = 31.2km (3 depth phases)
 5.1mb (18 obs.) 4.5Msz (3 obs.)
 WEST IRIAN REGION (196)

MNI 7.92 309 e(P) 14 50.50 -8.3X
 KNA 12.33 190 iPd 15 55.80 -3.4X
 0.4s 85.00nm 6.2mb X
 eS 18 10.00
 CGP 13.49 332 eP 16 16.00 1.4
 MAP 15.46 333 eP 16 38.00 -2.4
 WB2 16.62 169 iPd 16 48.60 -6.7X
 0.3s 19.00nm 4.7mb
 eS 19 48.20
 PMG 17.05 111 eP 17 00.00 -0.7
 TRT 18.76 256 ePd 17 31.60 9.8X
 QIS 18.87 154 eP 17 22.00 -1.2
 eS 20 38.00
 ASPA 20.20 172 iPd 17 37.70 -0.3
 0.6s 114.10nm 5.4mb
 eS 21 11.90
 OCP 20.58 332 eP 17 42.00 0.1
 MBL 20.62 211 iPd 17 41.10 -1.2
 0.3s 10.00nm 4.7mb
 RAB 21.11 92 e(P) 17 52.00 4.6X
 BAG 22.35 333 eP 18 00.10 0.1
 e 21 36.00
 WARB 22.90 190 eP 18 07.00 1.8
 0.4s 13.00nm 4.8mb
 CVP 22.98 337 ePc 18 06.00 0.0
 1.0s 50.00nm 5.0mb
 NANU 24.14 217 eP 18 17.00 -0.3
 0.4s 18.00nm 5.0mb
 FORR 27.30 185 eP 18 46.00 -0.7
 KGM 28.24 281 eP 18 57.20 1.8
 RMO 28.45 145 eP 19 13.00 15.8X
 COOL 28.75 198 eP 18 59.20 -0.7
 MRWA 29.25 208 eP 19 04.00 -0.4
 BAL 30.13 205 eP 19 11.30 -0.9
 0.5s 10.00nm 4.9mb
 KLB 30.57 203 eP 19 15.60 -0.5
 0.3s 5.00nm 4.8mb
 QIZ 30.62 318 eP 19 18.80 2.2
 N 14s 0.80nm
 IPM 31.04 285 ePc 19 25.40 5.0X
 1.2s 52.80nm 5.2mb
 CMS 31.10 155 eP 19 21.00 0.3
 MUN 31.53 205 eP 19 24.00 -0.5
 ADE 32.07 168 iPd 19 30.00 0.7
 BWA 34.73 154 eP 19 54.60 2.3
 BFD 35.11 164 e(P) 19 56.00 0.5
 SSE 35.70 345 eP 20 00.50 0.0
 Z 20s 0.70um 4.4Msz
 E 12s 0.40um
 eS 25 32.00
 CAN 35.74 154 eP 20 02.20 1.3
 WHN 37.45 336 eP 20 15.50 0.2
 pP 20 24.00 29km
 GYA 38.01 323 P 20 20.60 0.4
 pP 20 35.00 56kmX
 S 26 12.00

CHG	38.61	306 eP	20	26.00	0.8
	1.5s	59.72nm		5.2mb	
KMI	39.57	318 eP	20	36.00	2.6
MAT	40.44	9 (P)	20	35.00	-5.1X
XAN	42.80	333 P	20	58.50	-1.1
CD2	43.01	325 eP	21	00.60	-0.8
TIIY	44.53	339 eP	21	13.00	-0.6
Z	13s	2.10um		5.2mszX	
E	13s	1.10um			
BJI	45.46	344 eP	21	20.50	-0.4
	1.5s	29.00nm		5.0mb	
Z	24s	0.57um		4.4mszX	
N	13s	0.58um			
		eS	28	00.00	
SNY	45.66	352 eP	21	22.00	-0.4
	1.4s	30.00nm		5.0mb	
LZH	46.90	330 eP	21	32.50	-0.1
	1.6s	58.00nm		5.3mb	
Z	20s	0.35um		4.3msz	
N	15s	0.44um			
		pP	21	43.00	36km
		sP	21	47.50	
CN2	47.39	355 eP	21	36.20	0.1
Z	16s	3.00um		5.4mszX	
N	14s	0.70um			
E	14s	0.40um			
		epP	21	45.00	29km
HHC	47.63	340 P	21	38.40	0.2
Z	19s	1.20um		4.9msz	
N	12s	0.40um			
		eS	28	00.00	
BTO	47.95	338 eP	21	41.60	0.9
LSA	50.49	314 P	22	01.20	0.4
GUN	53.53	309 P	22	22.50	-1.0
	0.7s	20.00nm		5.2mb	
PKI	53.73	308 P	22	23.68	-1.3
KKN	53.94	308 P	22	26.02	-0.3
DMN	53.99	308 P	22	25.78	-1.0
	0.8s	21.00nm		5.2mb	
GKN	54.54	308 P	22	29.34	-1.4
	1.1s	46.00nm		5.4mb	
WMO	61.10	325 P	23	16.50	0.0
	1.2s	40.00nm		5.4mb	
YAK	65.38	359 iPd	23	43.60	-0.6
QUE	69.69	304 eP	24	20.00	7.8X
MAIO	77.33	308 eP	24	58.00	1.4
MBC	98.04	13 eP	26	36.50	-0.5
	0.7s	3.00nm		4.9mb	
CNCB	152.41	138 ePKP	32	55.00	3.0X
LPB	152.52	137 PKP	33	00.00	8.1X
ZOBO	152.69	137 ePKP	32	48.00	-4.4X
Z	24s	0.13um		4.6mszX	
		i	33	02.00	
		LR	28	00.00	
S.D.	= 1.1	on 48 of 60 obs.			
JUN 09, 1991 16h 25m 18.65± 0.54s					
37.128 N ± 5.4km					
DEPTH = 5.0km (geophysicist)					
SPAIN (377)					
mbLg 3.5 (MDD). Felt (11) at					
Martin de la Jara.					
LIJA	0.45	239 eP	25	25.50	-2.2
MAL	0.58	134 iPnd	25	28.00	-2.2
		iSg	25	38.00	
ALJ	0.71	230 eP	25	35.50	2.7
EHOR	0.74	340 iPgd	25	33.60	0.2
		eSg	25	44.00	
EJIF	0.80	213 ePg	25	33.70	-1.0
		eSg	25	44.50	
ECOG	1.10	82 iPGc	25	41.80	2.0
		eSg	25	57.50	
AFC	1.11	83 iPGc	25	41.50	1.4
		eSg	25	56.00	
EGUA	1.13	105 ePg	25	40.50	0.2
		eSg	25	57.00	
CNIL	1.18	230 eP	25	42.00	0.9
PLAT	1.21	214 eP	25	42.00	0.4
EBAN	1.38	41 iPnd	25	44.50	0.0
		eSn	26	03.00	
EHUE	1.98	69 ePn	25	53.20	-0.1
		eSn	26	20.00	
ENIJ	2.18	93 ePn	25	55.80	-0.3
		eSn	26	23.00	

09d 17h

VITF	0.39	167	Pg	00	12.52	0.9
HAU	0.68	151	Pg	00	17.10	0.0
			Sg	00	24.20	
ECH	0.95	113	Pg	00	21.41	-0.3
			Sg	00	31.94	
CDF	0.96	101	Pg	00	21.39	-0.6
			Sg	00	32.62	
BSF	0.99	140	Pg	00	22.60	0.1
			Sg	00	33.30	
WLS	1.02	100	Pg	00	22.15	-0.7
			Sg	00	34.16	
GWF	1.23	71	Pg	00	27.60	1.1
LOR	1.89	226	Pn	00	36.20	0.0
			Pg	00	41.80	
			Sn	00	58.70	
			Sg	01	04.10	
LBF	2.05	219	Pn	00	38.20	-0.4
			Sg	01	09.80	
SMF	2.38	216	Pg	00	49.40	6.1X
			Sg	01	18.20	

S.D. = 0.7 on 9 of 10 obs.

? JUN 09, 1991 17h 21m 20.86±20.53s
 38.868 N ±104.km 25.957 E ±130.km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 MD 3.4 (ISK).

EZN	1.00	17	iPg	21	39.50	-0.3
KGT	1.89	33	iPn	21	53.00	-0.5
EDC	2.09	44	iPn	21	56.50	0.2
BNT	2.12	45	iPn	21	57.00	0.1
MFT	2.17	28	ePn	21	58.00	0.4
DST	2.20	70	ePn	21	57.80	-0.2
CTT	2.96	39	ePn	22	09.00	0.2

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

% JUN 09, 1991 17h 31m 52.91±2.64s
 46.001 N ±21.5km 2.909 E ±8.3km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

MAF	0.32	313	Pg	31	59.40	-0.3
			Sg	32	03.70	
BGF	0.56	356	Pg	32	04.10	-0.2
TCF	0.56	301	Pg	32	04.20	-0.2
			Sg	32	12.30	
AVF	0.85	21	Pg	32	09.00	-0.2
			Sg	32	21.00	
SMF	0.91	45	Pg	32	09.80	-0.6
			Sg	32	22.40	
LSF	0.99	285	Pg	32	12.10	0.4
			Sg	32	25.60	
SSF	1.14	21	Pg	32	15.30	1.1
			Sg	32	29.40	

S.D. = 0.7 on 7 of 7 obs.

% JUN 09, 1991 17h 43m 34.89±2.05s
 48.634 N ±20.4km 5.835 E ±6.5km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

HAU	0.72	151	Pg	43	49.00	0.0
			Sg	43	56.10	
CDF	0.98	103	Pg	43	53.60	0.0
			Sg	44	04.60	
BSF	1.03	141	Pg	43	54.40	0.0
			Sg	44	05.00	
LOR	1.91	225	Pn	44	08.20	0.5
			Pg	44	13.50	
			Sn	44	30.60	
			Sg	44	36.00	
LBF	2.07	218	Pn	44	10.00	-0.2
			Sg	44	41.30	
SSF	2.22	226	Pn	44	12.00	-0.3
			Sg	44	45.80	

S.D. = 0.3 on 6 of 6 obs.

JUN 09, 1991 18h 47m 16.38±0.86s
 45.477 N ±4.4km 6.641 E ±7.9km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.4 (GEN).

LPL	0.08	59	Pg	47	19.10	0.1
LPG	0.08	75	Pg	47	19.30	0.2
			Sg	47	20.50	

RSL	0.21	357	Pg	47	21.03	0.0
			Sg	47	24.37	
LSD	0.36	93	P	47	23.69	-0.2
			S	47	28.24	
BNI	0.43	177	P	47	25.00	-0.1
			eSg	47	31.00	
RSP	0.54	127	P	47	27.35	-0.1
			S	47	34.65	
RRL	0.57	170	P	47	27.99	0.0
			S	47	35.68	
BHB	0.77	145	P	47	31.77	0.3
			S	47	41.45	

S.D. = 0.2 on 8 of 8 obs.

* JUN 09, 1991 19h 58m 10.13±1.35s
 31.672 S ±11.0km 70.182 W ±14.5km
 DEPTH = 30.2 ±10.0 km
 CHILE-ARGENTINA BORDER REGION (127)

RTBS	0.62	89	ePd	58	26.30	3.8X
JACH	1.07	199	iPc	58	30.50	1.4
			iS	58	47.50	
RTCB	1.19	81	iPd	58	31.10	0.2
RTLL	1.50	77	iPc	58	34.00	-1.3
RTRS	1.62	23	iPc	58	37.50	0.5
MDZ	1.65	137	iP	58	38.80	1.3
			iS	59	01.70	
SAN	1.82	193	iPc	58	39.20	-0.7
			iS	59	03.20	
PCH	1.96	188	iPc	58	41.50	-0.5
			iS	59	07.80	
TACH	2.08	198	iPd	58	42.80	-0.8
			iS	59	08.60	

S.D. = 1.3 on 8 of 9 obs.

? JUN 09, 1991 20h 14m 53.09±0.85s
 9.648 N ±8.8km 123.588 E ±17.5km
 DEPTH = 33.0km (normol)
 4.5mb (3 obs.)
 NEGROS, PHILIPPINE ISLANDS (257)

MAP	0.77	30	iPc	15	07.00	-0.5
			eS	15	26.00	
CGP	1.61	137	iPd	15	20.00	0.4
			eS	15	50.00	
DAV	3.21	142	eP	15	43.20	0.8
MNI	8.25	171	e(P)	16	59.50	6.1X
SSE	21.46	354	eP	19	41.20	0.4
			i	19	52.00	
LZH	31.85	329	eP	21	18.00	0.5
			2.0s	25.00nm	4.8mb	
			pP	21	23.50	19kmX
ASPA	34.61	163	iPd	21	41.20	-0.2
			0.9s	5.90nm	4.5mb	
STK	44.74	158	eP	23	03.90	-1.4
			0.9s	1.60nm	3.9mb	

S.D. = 0.9 on 7 of 8 obs.

JUN 09, 1991 20h 39m 33.83±0.18s
 12.627 N ±3.4km 95.110 E ±3.1km
 DEPTH = 24.3km (16 depth phases)
 5.0mb (60 obs.) 5.0MsZ (13 obs.)
 ANDAMAN ISLANDS REGION (703)
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 36C
 Centroid Location:
 Origin Time 20:39:36.5 0.4
 Lat 12.70N 0.04 Lon 95.14E 0.05
 Dep 40.6 4.7 Half-duration 2.0
 Moment Tensor: Scale 10**17 Nm
 Mrr=-0.03 0.06 Mtt= 1.03 0.08
 Mff=-0.99 0.10 Mrt= 0.09 0.12
 Mrf=-0.01 0.12 Mtf= 1.44 0.08
 Principal Axes:
 T Vol= 1.78 Plg= 2 Azm=332
 N -0.03 87 116
 P -1.75 2 242
 Best Double Couple: M=1.8*10**17
 NP1: Strike= 17 Dip=87 Slip= 180
 NP2: 107 90 3

KHT	4.01	57	iPg	40	33.90	-1.3
			eSg	41	18.90	
NST	5.74	58	ePg	40	58.00	-1.7
			eSg	41	03.50	
BDT	5.94	39	eP	40	59.00	-3.5X

BSI	7.09	179	eP	41	21.50	2.8
CHG	7.17	30	ePn	41	18.40	-1.5
			eSg	42	40.00	
SNG	7.66	134	eP	41	21.30	-5.5X
			e	43	12.00	
IPM	9.90	143	ePc	41	59.00	1.2
			1.0s	96.90nm	6.1mb	X
			e	43	47.00	
KGM	13.31	142	eP	42	43.10	-0.8
			1.3s	325.80nm	6.2mb	X
			e	47	27.20	
KMI	14.37	29	Pd	43	02.00	4.0X
			2.0s	100.00nm	5.1mb	
Z	12s		1.50um		4.7MsZ	
N	10s		2.20um			
E	10s		5.80um			

			pP	43	09.00	
			S	45	44.00	
			sS	45	51.00	
OIZ	15.53	64	eP	43	14.70	1.6
			1.1s	100.00nm	5.0mb	
N	12s		9.70um			
E	12s		3.50um			

			eS	46	10.00	
HYB	16.68	289	eP	43	34.50	6.7X
			1.0s	50.00nm	4.6mb	
			eS	46	21.50	

GBA	17.24	275	P	43	40.00	5.3X
			1.5s	94.40nm	4.7mb	
PKI	17.42	330	P	43	37.68	0.4
KOD	17.46	264	eP	43	38.00	0.3
			eS	46	56.00	

GUN	17.48	332	P	43	37.82	-0.3
			0.9s	363.00nm	5.5mb	
GYA	17.53	37	iPd	43	39.60	1.2
Z	16s		3.10um			
N	12s		11.20um			
E	12s		15.10um			

			sP	43	50.00	
			S	46	54.00	
DMN	17.60	329	P	43	40.46	1.0
			0.9s	489.00nm	5.6mb	
KKN	17.67	330	P	43	39.96	-0.3
			1.0s	319.00nm	5.4mb	
GKN	18.16	329	P	43	45.86	-0.4
			0.9s	264.00nm	5.4mb	
CD2	19.87	22	iPc	44	05.00	-1.3
			1.0s	200.00nm	5.4mb	
Z	12s		4.60um		4.3MsZ	
E	10s		7.70um			

			sP	44	16.50	
GZH	20.21	57	eP	44	10.00	0.1
Z	12s		5.10um		5.1MsZ	
HKC	20.55	59	eP	44	10.00	-3.4X
			eS	48	12.00	

POO	21.29	289	iP	44	21.20	0.1
NDI	23.09	316	iPc	44	39.00	0.2
			eS	48	47.00	
TSM	24.18	108	eP	44	53.00	3.5X
LZH	24.65	17	eP	44	53.50	-0.6
			2.0s	550.00nm	5.8mb	

			Z	16s	8.76um	5.3MsZ
			E	12s	7.08um	
XAN	24.75	28	Pc	44	54.50	-0.4
			N	13s	7.90um	
			E	12s	8.21um	

BAG	24.93	78	eP	44	58.00	1.0
			eS	49	28.00	
WHN	25.19	42	ePc	44	59.30	0.2
			1.2s	100.00nm	5.3mb	
Z	16s		4.20um		5.0MsZ	
E	15s		7.60um			

			pP	45	12.00	51kmX
			eS	49	22.00	
OZH	25.33	58	P	45	01.50	1.0
			0.8s	40.00nm	5.1mb	
E	12s		2.40um			
			sP	45	14.00	

TRT	26.67	138	ePd	45	13.00	0.0
GTA	27.00	8	Pc	45	16.00	0.1
			1.0s	40.00nm	5.0mb	
Z	16s		3.20um		5.0MsZ	
E	12s		3.90um			

	0.9s	100.00nm		5.6mb	IR4	45.77	307	eP	47	56.50	0.9			e	51	24.00	29km						
N	11s	3.10um			CHJJ	45.78	52	P	47	55.70	0.3		SLR	75.37	239	eP	51	17.00	-0.7				
E	10s	3.50um			IR1	45.99	307	eP	47	57.50	0.2			1.0s	12.00nm			4.9mb					
		S	50	17.00	IR5	46.01	307	eP	47	58.00	0.5		NB2	76.10	330	P	51	19.00	-2.1				
TIY	29.39	29	eP	45	38.50	1.0			IR7	46.14	308	eP	47	57.00	-1.5			1.1s	6.20nm	4.6mb			
Z	18s	3.70um		5.1MsZ	NIIJ	46.19	50	eP	47	58.80	0.2		MOX	76.24	319	eP	51	21.50	-0.6				
N	13s	7.30um			MRWA	46.23	154	eP	47	58.00	-1.0			2.0s	46.00nm			5.2mb					
		pP	45	47.00	29km				0.5s	7.00nm		4.9mb	Z	20s	0.80um			5.0MsZ					
		S	50	31.00		YAMJ	47.28	49	P	48	07.60	0.3	WTTA	76.43	316	eP	51	22.00	-1.5				
SSE	30.26	48	Pc	45	46.00	0.8			KER	48.52	305	eP	48	14.00	-3.2X			0.8s	5.80nm	4.7mb			
	1.3s	24.00nm		4.9mb	MUN	48.74	156	eP	48	18.10	-0.5			i			51	23.40	5kmX				
Z	18s	4.10um		5.1MsZ		1.0s	100.00nm			1.0s	100.00nm		5.8mb	KSR	76.57	239	iPd	51	24.00	-0.6			
N	12s	4.80um			OFUJ	48.79	49	P	48	19.30	0.3			1.0s	13.00nm			4.9mb					
E	12s	3.40um			COOL	49.98	150	eP	48	28.20	0.0		BLF	78.34	236	iPd	51	34.70	0.4				
		ePP	46	48.00	TAB	50.13	309	eP	48	35.00	5.5X			0.7s	15.00nm			5.1mb					
		PcP	48	46.00	WRA	50.38	129	P	48	29.00	-2.4		WTS	79.13	321	eP	51	44.00	6.1X				
		S	50	46.00		0.9s	14.20nm			5.0mb			CDF	79.25	317	eP	51	37.80	-1.0				
		sS	50	57.00	WB2	50.39	129	iPc	48	29.90	-1.6			0.8s	2.70nm			4.3mb					
TIA	30.73	36	eP	45	48.10	-1.2				0.8s	14.70nm			0.8s	2.70nm			4.3mb					
Z	15s	3.00um		5.1MsZ X									KIM	79.36	237	iPc	51	38.00	-1.9				
N	11s	2.70um			RKG	51.34	157	eP	48	39.00	0.5			0.7s	17.12nm			5.2mb					
		S	50	52.00	ASPA	52.35	133	eP	48	44.80	-1.5		HVD	79.45	235	iPd	51	40.80	0.5				
BTO	30.79	23	eP	45	48.00	-1.9				0.9s	12.50nm			0.8s	29.85nm			5.4mb					
N	11s	3.00um			YAK	55.22	19	eP	49	03.80	-3.1X		BSF	79.64	317	eP	51	40.80	-0.2				
E	12s	1.50um								56	48.00			0.6s	3.60nm			4.6mb					
		sP	46	01.50	HRI	57.64	301	eP	49	25.00	0.2		MEM	79.80	320	Pc	51	54.00	12.5X				
QUE	31.37	308	eP	45	55.00	-0.3			DSI	57.78	299	eP	49	30.00	4.3X			79.92	317	eP	51	42.10	-0.2
HHC	31.60	24	P	45	57.00	-0.1			MBH	58.08	297	eP	49	33.00	5.1X			0.8s	5.35nm	4.6mb			
Z	14s	4.60um		5.3MsZ X	KAS	60.31	311	eP	49	42.00	-1.1			Z	20s	0.82um			5.1MsZ				
N	11s	1.90um			OBN	61.91	326	iPc	49	53.00	-0.7		LPG	79.98	314	eP	51	43.10	0.0				
E	11s	3.40um				1.0s	*****nm			8.3mb	X			0.8s	8.05nm			4.8mb					
		pP	46	08.00	41kmX	Z	18s	1.50um		5.2MsZ			LPL	79.99	314	eP	51	43.00	0.0				
KSH	31.63	331	P	46	00.00	2.7			N	16s	1.00um			0.8s	10.05nm			4.9mb					
E	14s	5.00um					E	16s	1.00um			FRF	80.32	313	eP	51	44.70	0.2					
		pP	46	13.00	51kmX									1.0s	18.00nm			5.1mb					
WMO	31.73	350	P	45	58.00	-0.2				i	50	01.00	26km	LMR	80.45	312	eP	51	45.50	0.3			
	1.0s	20.00nm		5.0mb						ePcP	50	13.00			0.8s	8.05nm			4.8mb				
Z	21s	2.10um		4.8MsZ						i	50	51.00		LRG	80.54	312	eP	51	46.20	0.5			
N	11s	1.70um								(S)	58	16.00			1.1s	34.20nm			5.3mb				
		pP	46	05.10	25km					eSS	03	38.00			Z	20s	0.47um			4.8MsZ			
		S	51	09.50						e	05	10.00		DOU	80.76	319	P	51	59.60	12.9X			
BJI	33.02	30	eP	46	10.50	1.2				e	06	24.00		SNF	80.90	320	P	51	54.40	7.0X			
Z	1.0s	11.00nm		4.7mb	STK	62.76	136	eP	49	57.80	-1.8		LBF	81.66	316	eP	51	51.30	-0.3				
	20s	3.58um		5.1MsZ		0.7s	7.20nm			4.9mb				0.8s	8.05nm			4.8mb					
N	13s	3.64um								i	50	05.00	23km	LOR	81.69	317	eP	51	51.60	-0.1			
E	14s	4.31um			ADE	62.83	140	e(P)	49	59.50	-0.6			0.8s	5.35nm			4.6mb					
		pP	46	20.00	33km					0.8s	77.61nm			Z	20s	0.63um			5.0MsZ				
DL2	35.18	37	eP	46	29.00	1.0			CMS	65.47	133	eP	50	17.00	-0.3	SMF	81.81	316	eP	51	52.40	0.1	
	1.2s	100.00nm		5.6mb	VRI	66.01	315	iPd	50	21.00	0.4			0.8s	6.70nm			4.7mb					
Z	12s	2.50um		5.2MsZ X	MLR	66.51	314	eP	50	23.00	-1.0		SSF	81.96	316	eP	51	53.00	-0.1				
N	11s	2.10um			VAY	68.69	310	eP	50	39.70	2.1			1.0s	7.00nm			4.6mb					
E	13s	2.70um			TOO	68.73	139	eP	50	40.00	2.1		AVF	82.11	316	eP	51	53.90	0.1				
SNY	38.22	35	Pc	46	53.40	-0.1			MTD	69.24	247	iPc	50	40.90	-0.5			0.8s	6.05nm	4.7mb			
	1.2s	20.00nm		4.8mb						iPp	50	46.80	19km	BGF	82.50	316	eP	51	56.90	1.0			
Z	15s	2.50um		5.1MsZ X	NUR	69.49	330	eP	50	48.00	5.9X			1.2s	17.85nm			5.0mb					
N	12s	2.20um								e	50	55.00	22km	MAF	82.75	316	eP	51	57.60	0.4			
E	12s	1.40um			OHR	70.02	309	eP	50	47.20	1.4			1.0s	10.00nm			4.9mb					
		S	52	43.00	SOD	70.19	338	iP	50	47.00	0.7		CAF	83.34	314	eP	52	01.00	0.7				
MAIO	39.73	313	eP	47	06.00	-0.4				i	50	53.80	22km		1.0s	8.00nm			4.8mb				
		eS	53	20.00					SPC	70.66	318	eP	50	46.90	-2.9X	RJF	83.64	315	eP	52	02.40	0.6	
IRK	40.23	9	eP	47	10.00	-0.2			KEV	70.71	340	eP	50	38.00	-11.4X			0.8s	6.70nm	4.9mb			
		e	47	18.00	27km				KRA	70.91	319	eP	50	50.90	-0.1			Z	20s	0.47um	4.9MsZ		
		ePP	48	48.00						Z	20s	0.80um				LPO	84.00	314	eP	52	04.20	0.6	
		ePPP	49	00.00						E	20s	1.60um					0.8s	8.05nm	5.0mb				
		eS	53	18.00					KRI	71.02	247	iPd	50	57.00	4.6X	LDF	84.07	318	eP	52	04.40	0.5	
		eSS	56	16.00										1.2s	26.80nm			5.3mb					
		e	58	23.00					SRO	71.90	316	eP	50	55.40	-1.5	EKA	84.37	325	Pc	52	17.60	12.4X	
CN2	40.55	34	Pc	47	13.00	0.1			ZST	72.71	317	eP	51	02.20	0.4			1.0s	12.00nm				
	1.0s	30.00nm		5.6mb	UPP	72.89	329	iP	51	02.90	0.4		MFF	84.51	316	eP	52	07.40	1.3				
Z	16s	4.30um		5.4MsZ X	BUL	73.06	244	iPc	51	04.60	0.2			1.0s	12.00nm			5.1mb					
N	15s	3.00um								iPp	51	09.50	16km	ETOR	87.19	311	eP	52	38.00	18.4X			
E	15s	1.00um			KSP	73.26	319	ePc	51	05.10	0.2		GUD	88.78	311	eP	52	30.50	3.2X				
		ePP	47	20.00	24km	BFT	73.88	238	iPc	51	09.50	0.3	MBC	88.95	8	eP	52	28.00	0.7				
		ePP	48	48.00						0.7s	28.77nm			1.0s	5.00nm			4.8mb					
		eS	53	23.00		VBV	74.02	314	eP	51	09.50	0.1	EGUA	89.34	308	e(P)	52	30.30	0.4				
		eSS	56	20.00		PRU	74.39	319	eP	51	10.50	-1.0	INK	92.19	16	eP	52	43.00	0.6				
TSRJ	43.31	51	eP	47	36.80	1.2				Z	18s	0.50um		ANMO	128.45	23	ePKPc	58	42.80	1.8			
MDJ	43.39	36	eP	47	37.00	0.9									0.7s	3.77nm							
N	12s	1.80um			LJU	74.50	315	eP	51	12.00	-0.3		ALO	128.46	23	ePKP	58	40.00	-1.0				
E	12s	0.66um			CEY	74.59	314	e(P)	51	12.20	-0.6		PPM	145.72	24	(PKP)	59	13.50	0.0				
		eS	54	00.00	HFS	74.87	329	eP	51	12.70	-1.4		III	146.00	25	(PKP)	59	14.50	0.9				
						0.9s	8.70nm			4.8mb			IISM	146.26	22	(PKP)	59	15.50	1.9				
IIDJ	44.76	52	P	47	47.40	0.0				Z	17s	0.84um		PPD	146.68	249	e(PKP)	59	17.00	2.7X			
MTMJ	45.06	50	P	47	50.80	0.9																	

09d 20h

ZOBO 163.37 255 PKP 00 31.00 59 39.00 2.1X
 1.0s 10.00nm
 Z 24s 0.43um
 i 00 26.00
 S.D. = 1.0 on 124 of 152 obs.
 ? JUN 09, 1991 21h 01m 42.02 ± 2.89s
 46.181 N ± 29.0km 2.514 E ± 8.3km
 DEPTH = 10.0km (geophysicist)

FRANCE (538)

MAF 0.05 42 Pg 01 44.10 -0.2
 Sg 01 45.00
 TCF 0.24 297 Pg 01 47.10 0.0
 Sg 01 50.50
 BGF 0.44 31 Pg 01 51.00 0.0
 SMF 1.03 63 Pg 02 01.60 0.1
 Sg 02 15.30
 S.D. = 0.2 on 4 of 4 obs.

JUN 09, 1991 21h 21m 06.01 ± 0.50s
 44.790 N ± 3.9km 7.633 E ± 4.0km
 DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

ML 2.4 (GEN).

BHB 0.27 281 P 21 12.81 1.1
 S 21 17.43
 DOI 0.40 224 Pd 21 14.60 0.4
 eSg 21 19.90
 RSP 0.45 324 P 21 15.38 0.2
 S 21 21.12
 PZZ 0.47 233 P 21 15.27 -0.4
 S 21 20.81
 ROB 0.52 161 P 21 17.12 0.5
 S 21 24.60
 CKI 0.59 128 Pd 21 18.40 0.5
 eSg 21 26.20
 STV 0.59 202 P 21 17.22 -0.8
 S 21 24.81
 RRL 0.62 282 P 21 18.25 -0.4
 S 21 26.04
 PCP 0.70 111 P 21 19.89 0.1
 S 21 28.91
 FIN 0.71 144 P 21 20.30 0.2
 S 21 29.77
 BNI 0.73 291 P 21 20.50 0.1
 eSg 21 30.30
 LSD 0.75 333 P 21 19.79 -1.1
 S 21 28.51
 IMI 0.90 168 P 21 22.98 -0.3
 SBF 0.94 189 Pg 21 23.00 -0.9
 Sg 21 31.10
 FRF 1.42 210 Pg 21 31.20 -0.6
 Sg 21 48.30
 LRG 1.62 215 Pg 21 34.60 -0.1
 Sg 21 54.50
 CDR 1.74 231 eP 21 37.90 1.4
 e 21 57.10
 S.D. = 0.7 on 17 of 17 obs.

% JUN 09, 1991 23h 59m 23.57 ± 0.75s
 43.860 N ± 8.7km 12.074 E ± 5.0km
 DEPTH = 10.0km (geophysicist)

CENTRAL ITALY (381)

SFI 0.17 291 P 59 26.90 -0.6
 eSg 59 30.20
 CRE 0.25 201 P 59 28.50 -0.4
 eSg 59 34.50
 PGD 0.26 273 P 59 29.90 0.8
 eSg 59 33.30
 RSM 0.28 76 P 59 29.80 0.3
 eSg 59 33.60
 ARV 0.73 120 P 59 36.90 -1.0
 eSg 59 48.80
 ASS 0.90 151 P 59 41.80 1.0
 PII 1.13 263 P 59 44.50 -0.2
 S.D. = 0.9 on 7 of 7 obs.

% JUN 10, 1991 00h 05m 09.44 ± 0.58s
 42.452 N ± 5.4km 19.130 E ± 4.8km
 DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)

ML 1.7 (TTG).

TTG 0.10 103 iPg 05 13.41 1.3
 iSg 05 16.29
 BDV 0.28 233 iPg 05 15.74 0.4
 iSg 05 20.54
 NKY 0.37 345 iPg 05 17.44 0.3
 iSg 05 23.64
 HCY 0.47 270 iPg 05 18.74 -0.2
 iSg 05 26.71
 ULC 0.50 170 iPg 05 18.96 -0.6
 iSg 05 26.89
 BRY 0.62 316 iPg 05 21.83 -0.2
 iSg 05 32.18
 PVY 0.64 77 iPg 05 21.48 -0.9
 iSg 05 31.61
 IVA 0.70 53 iPg 05 23.29 -0.1
 iSg 05 33.83
 S.D. = 0.8 on 8 of 8 obs.

& JUN 10, 1991 00h 09m 48.65s

62.993 N 150.140 W

DEPTH = 89.5km

CENTRAL ALASKA

<AEIC>.

HUR 0.23 94 ePc 10 01.65 1.5
 eS 10 11.08
 TRF 0.46 352 iPd 10 03.54 0.0
 eS 10 14.54
 CUT 0.59 186 iPc 10 04.13 -0.2
 eS 10 15.85
 RND 0.72 54 iPd 10 05.24 -0.4
 eS 10 17.39
 MCK 0.92 36 iPd 10 07.38 -0.3
 SKT 1.20 213 iPc 10 10.52 -0.5
 eS 10 28.14
 BWN 1.22 14 iPd 10 10.98 -0.3
 GH0 1.35 155 ePc 10 12.86 -0.1
 eS 10 31.95
 PWA 1.35 175 eP 10 12.90 0.0
 eS 10 33.18
 SML 1.46 144 ePc 10 14.17 -0.1
 PLRM 1.48 161 ePc 10 14.46 -0.1
 eS 10 34.70
 SUA 1.56 191 ePc 10 15.94 0.3
 NEA 1.66 16 iPd 10 15.96 -0.9
 WRH 1.74 31 iPd 10 17.01 -0.9
 SCM 1.75 130 eP 10 18.03 -0.1
 KNK 1.77 153 eP 10 18.10 -0.3
 S 10 39.83
 PMS 1.78 171 eP 10 17.97 -0.5
 NCG 1.85 212 eP 10 18.98 -0.6
 CGLM 1.91 208 eP 10 20.42 0.2
 CCB 1.96 31 ePd 10 19.65 -1.1
 CRP 1.97 210 ePc 10 21.07 -0.1
 HDA 2.01 44 iPd 10 20.56 -0.9
 S 10 43.68
 BGL 2.03 212 eP 10 22.22 0.3
 TOA 2.04 114 eP 10 22.19 0.2
 CKL 2.08 211 ePc 10 22.45 -0.1
 DDM 2.08 66 eP 10 22.30 -0.3
 PAX 2.13 89 ePd 10 23.33 0.1
 MDM 2.15 22 iPd 10 22.41 -1.0
 SDG 2.17 100 eP 10 23.69 0.1
 FBA 2.18 27 eP 10 22.71 -1.0
 GLM 2.34 30 ePd 10 24.96 -1.1
 TZL 2.39 111 eP 10 28.70 2.1
 KLU 2.48 125 ePc 10 26.72 -1.3
 SLKM 2.49 181 ePc 10 28.51 0.4
 RDT 2.66 205 eP 10 30.66 0.3
 DFR 2.70 208 eP 10 31.30 0.4
 NCT 2.78 210 eP 10 31.74 -0.3
 RDN 2.78 208 eP 10 32.27 0.1
 REF 2.79 207 eP 10 31.83 -0.5
 DOT 2.82 74 eP 10 31.90 -0.7
 RED 2.87 207 eP 10 33.92 0.6
 GLB 3.35 115 ePc 10 38.61 -1.2
 42 obs. associated

% JUN 10, 1991 03h 28m 17.95 ± 1.28s
 15.449 N ± 4.8km 60.747 W ± 13.8km
 DEPTH = 10.0km (geophysicist)

LEEWARD ISLANDS (92)

ML 2.5 (FDF).

BBL 0.71 276 eP 28 31.91 0.0
 S 28 40.20
 MGG 0.72 310 eP 28 32.43 0.3

FDF 0.81 209 S 28 41.10
 iPc 28 33.62 -0.1
 S 28 44.20
 MVM 0.90 189 iPc 28 35.40 0.2
 S 28 47.20
 DEG 0.91 341 eP 28 35.20 -0.2
 S 28 47.60
 BIM 0.98 199 iPc 28 36.46 -0.1
 S 28 49.40
 PAG 1.07 303 eP 28 37.90 -0.2
 S 28 51.00
 SEG 1.20 323 eP 28 40.40 0.2
 S.D. = 0.2 on 8 of 8 obs.

JUN 10, 1991 04h 02m 39.38 ± 0.98s
 36.004 N ± 9.5km 21.492 E ± 5.3km
 DEPTH = 49.8 ± 19.9 km
 3.6mb (1 obs.)

SOUTHERN GREECE (368)

MD 3.8 (ATH).

VLI 1.37 58 ePn 03 00.60 -1.8
 VLS 2.29 342 ePn 03 18.00 2.6X
 AGG 3.09 12 iPc 03 29.84 3.0X
 NPS 3.44 101 ePn 03 33.20 1.4
 IGT 3.64 346 iPc 03 35.36 0.7
 eS 04 20.40
 LIT 4.17 11 ePc 03 43.52 1.5
 PAIG 4.28 23 ePc 03 42.76 -0.8
 KZN 4.30 3 ePn 03 45.00 1.0
 FNA 4.77 359 ePc 03 51.16 0.5
 eS 04 47.96
 GRG 5.00 8 ePc 03 54.72 0.9
 OHR 5.13 354 ePn 03 55.80 0.1
 KNT 5.27 12 ePd 03 57.44 -0.1
 ATN 5.28 296 P 03 57.60 -0.2
 CZI 5.33 309 P 03 58.60 0.2
 eSn 04 51.60
 SRS 5.36 17 ePc 03 57.00 -1.9
 VAY 5.38 9 ePn 03 58.30 -0.8
 MEU 5.39 284 P 03 59.20 -0.3
 eSn 05 01.20
 TDS 5.47 313 P 04 00.50 0.1
 CSI 5.58 314 P 04 06.10 4.2X
 ORI 5.68 317 P 04 04.00 0.6
 MNO 5.77 291 P 04 03.70 -1.1
 BRT 5.92 327 P 04 06.00 -0.6
 eSn 05 13.40
 SKO 5.96 360 ePn 04 01.50 -5.8X
 e 04 06.00
 MGR 6.24 313 P 04 11.40 0.2
 SGO 6.66 315 P 04 17.00 0.0
 HFS 24.67 351 eP 07 56.50 0.0
 0.4s 0.80nm 3.6mb
 S.D. = 1.0 on 22 of 26 obs.

% JUN 10, 1991 04h 33m 41.99 ± 0.94s
 17.574 N ± 0.1km 99.239 W ± 13.0km
 DEPTH = 33.0km (normal)

GUERRERO, MEXICO (59)

III 0.83 345 eP 33 57.50 0.1
 iS 34 11.00
 ACX 0.92 220 eP 33 58.50 0.0
 PPM 1.59 21 iP 34 08.00 -0.7
 IIT 1.69 31 eP 34 10.00 0.1
 UNM 1.75 2 (P) 34 11.00 0.3
 IISM 2.26 51 eP 34 18.00 0.2
 OXX 2.45 101 (P) 34 35.50 14.7X
 S.D. = 0.5 on 6 of 7 obs.

? JUN 10, 1991 04h 37m 40.58 ± 6.86s
 15.798 N ± 20.2km 60.449 W ± 46.2km
 DEPTH = 10.0km (geophysicist)

LEEWARD ISLANDS (92)

ML 2.4 (FDF).

DEG 0.78 311 iPc 37 56.13 0.3
 S 38 03.00
 MGG 0.84 278 ePc 37 57.28 0.4
 S 38 04.50
 BBL 1.03 255 eP 38 00.05 0.0
 S 38 10.60
 SEG 1.18 301 eP 38 02.33 -0.3
 S 38 13.40
 PAG 1.21 281 eP 38 02.70 -0.4
 S 38 14.40

BPA 1.83 313 eP 38 12.30 -0.1
S.D. = 0.4 on 6 of 6 obs.
? JUN 10, 1991 05h 14m 21.96± 5.29s
43.456 N ± 35.7km 8.051 E ± 12.3km
DEPTH = 10.0km (geophysicist)
CORSIKA (380)
ML 2.6 (GEN).

IMI 0.47 346 P 14 31.42 -0.1
S 14 36.24
FIN 0.76 9 P 14 37.16 0.3
S 14 45.98
ROB 0.85 351 P 14 38.39 0.0
S 14 47.52
STV 0.95 327 P 14 39.73 -0.3
S 14 49.47
PCP 1.14 18 P 14 43.11 -0.3
S 14 56.54
DOI 1.20 331 P 14 44.50 0.2
eSg 14 58.00
PZZ 1.25 327 P 14 45.47 0.1
S 14 59.72
BHB 1.50 338 P 14 48.95 0.1
S 15 05.26
S.D. = 0.3 on 8 of 8 obs.

? JUN 10, 1991 06h 29m 24.99± 0.92s
44.359 N ± 8.1km 7.323 E ± 9.2km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.7 (GEN).

STV 0.11 180 P 29 27.85 -0.1
S 29 29.75
PZZ 0.22 313 P 29 29.99 0.2
S 29 33.13
ROB 0.40 99 P 29 33.30 0.1
S 29 38.98
BHB 0.48 355 P 29 34.61 -0.2
S 29 40.89
S.D. = 0.4 on 4 of 4 obs.

JUN 10, 1991 06h 39m 48.05± 0.26s
52.519 N ± 5.6km 160.626 E ± 4.6km
DEPTH = 33.6km (12 depth phases)
5.0mb (62 obs.) 4.8Msz (11 obs.)
OFF EAST COAST OF KAMCHATKA (219)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 06:39:49.4 0.7
Lat 52.39N 0.08 Lon 161.46E 0.15
Dep 15.0 FIX Half-duration 1.9
Moment Tensor: Scale 10**16 Nm
Mrr= 4.55 0.40 Mtt=-1.27 0.58
Mff=-3.28 0.41 Mrt= 2.95 1.29
Mrf= 0.64 1.60 Mtf=-3.73 0.53
Principal Axes:
T Vol= 5.88 Plg=64 Azm= 15
N 0.75 23 226
P -6.63 12 130
Best Double Couple: Ma=6.3*10**16
NP1: Strike=194 Dip=38 Slip= 51
NP2: 59 61 116

OFUJ 18.77 232 eP 44 07.70 1.1
YAK 19.04 312 iPc 44 07.70 -1.9
ePP 44 30.00
iPPP 44 39.00
eS 47 50.00
eSS 48 16.00
ePcP 48 24.00
SSS 48 54.00
eScS 55 54.00
YAMJ 20.27 233 eP 44 24.20 0.9
NIJ 21.51 233 eP 44 35.60 -0.3
KAKJ 21.78 230 P 44 40.30 1.7
MDJ 21.87 261 iPc 44 38.50 -1.0
1.2s 60.00nm 4.9mb
N 17s 3.40um
E 17s 2.30um
pP 44 50.00 46kmX
MAT 22.45 234 eP 44 46.00 0.7
1.5s 205.56nm 5.4mb
eS 48 56.00

CHJJ 22.47 231 P 44 47.90 2.5
MTMJ 22.62 234 P 44 48.40 1.3
TSRJ 24.35 236 eP 45 03.40 -0.4
CN2 24.82 264 eP 45 06.00 -2.2
4.0s 300.00nm 5.2mb X
Z 18s 9.00um 5.3Msz
N 16s 1.40um
E 16s 1.60um
pP 45 12.00 21kmX
eS 49 27.00

SVW 25.00 53 P 45 09.30 -0.5
0.8s 19.31nm 4.7mb
WKYJ 25.59 234 eP 45 16.90 1.2
YONJ 25.92 239 eP 45 19.30 0.7
RSO 26.42 54 P 45 14.80 -8.5X
TKSJ 26.55 236 eP 45 25.60 1.1
SNY 27.07 262 Pc 45 27.00 -2.1
1.2s 30.00nm 4.8mb
Z 16s 5.10um 5.2MszX
N 11s 1.40um
E 13s 2.10um

FBA 28.61 44 P 45 40.20 -2.6
0.8s 12.07nm 4.6mb
DL2 30.04 259 eP 45 55.00 -0.9
1.0s 100.00nm 5.6mb
Z 12s 1.10um 4.7MszX
N 12s 2.00um
E 12s 1.00um
eS 50 56.00

BJI 32.64 266 eP 46 16.00 -2.6
Z 16s 3.78um 5.2MszX
E 13s 2.14um
eS 51 36.00

IRK 33.62 293 eP 46 26.00 -1.1
e 57 20.00
INK 34.13 37 eP 46 28.00 -3.3X
TIA 34.51 259 eP 46 33.10 -1.8
Z 26s 1.40um 4.6MszX
N 14s 1.60um
E 14s 1.40um

HHC 34.97 270 eP 46 37.00 -1.9
Z 18s 3.00um 5.1Msz
N 14s 1.30um
E 14s 2.20um
eS 51 59.00

SSE 35.74 249 Pc 46 44.50 -0.9
4.0s 400.00nm 5.7mb X
Z 20s 0.90um 4.5Msz
N 16s 1.00um
S 52 24.00
sS 52 40.00

BTO 36.06 271 eP 46 46.00 -2.2
N 17s 2.10um
E 15s 2.60um

TIY 36.37 266 eP 46 49.00 -1.8
Z 16s 2.10um 5.0MszX
N 13s 1.40um
E 14s 1.30um

NJ2 36.38 252 Pd 46 52.00 1.2
1.0s 100.00nm 5.7mb
MBC 37.45 23 ePd 46 59.50 0.2
0.7s 4.00nm 4.4mb
WHN 40.12 255 Pc 47 24.00 1.9
1.0s 30.00nm 5.0mb
Z 22s 0.90um 4.6Msz
N 14s 1.10um
E 15s 1.60um

XAN 40.93 264 P 47 28.00 -0.8
N 13s 1.60um
E 13s 1.60um

LZH 42.66 271 iPc 47 42.00 -1.1
1.8s 48.00nm 4.9mb
Z 16s 2.59um 5.2MszX
N 13s 1.87um
pP 47 49.50 25km
sP 47 52.50
PP 49 20.00

GTA 43.00 277 eP 47 44.80 -0.9
1.8s 40.00nm 4.8mb
Z 14s 2.93um 5.3MszX
E 12s 1.40um
sP 47 55.00

YKA 43.37 42 eP 47 47.70 -0.6
1.0s 2.90nm 4.0mb X
CVP 46.12 236 eP 48 18.80 8.1X
CD2 46.24 265 P 48 10.40 -1.3
Z 16s 0.40um 4.5MszX

E 15s 1.60um
WMO 47.47 290 eP 48 20.00 -1.3
1.0s 30.00nm 5.3mb
Z 15s 1.70um 5.1MszX
N 13s 1.70um
pP 48 30.50 36km
sP 48 34.50

GYA 47.70 259 P 48 23.00 -0.3
N 18s 2.00um
E 18s 2.10um
pP 48 34.20 39km
eS 48 25.00 0.0

PNT 47.96 60 eP 48 25.00 0.0
0.8s 8.00nm 4.8mb
NEW 49.91 60 P 48 39.40 -0.7
0.9s 9.65nm 4.8mb

KMI 51.05 261 Pc 48 48.50 -0.7
1.5s 60.00nm 5.3mb
Z 20s 1.40um 5.0Msz
pP 48 56.50 27km
eS 56 04.00

QIZ 51.53 249 P 48 54.00 1.3
N 14s 0.57um
E 16s 0.90um
pP 49 04.80 37km
eS 49 52.00 -1.8

SES 51.71 55 eP 48 52.00 -1.8
WDC 51.76 71 eP 49 09.40 15.2X
MIN 52.45 70 e(P) 49 11.00 11.4X
ORV 53.04 71 P 49 02.50 -1.3
FFC 53.19 46 eP 49 03.00 -1.7
1.5s 23.00nm 4.9mb

KEV 53.46 342 iP 49 04.70 -1.7
LRM 53.93 60 eP 49 14.00 3.5X
CMB 54.70 72 eP 49 21.30 5.2X
LSA 54.79 274 P 49 17.00 -0.3

SDD 55.55 340 eP 49 20.00 -1.8
GDH 55.99 14 ePd 49 30.60 5.7X
1.5s 83.33nm 5.5mb
TNP 56.50 70 P 49 28.30 -0.9
0.8s 7.06nm 4.7mb

ISA 57.44 73 eP 49 46.00 10.2X
BW06 57.52 61 P 49 35.60 -0.8
0.9s 9.60nm 4.8mb

CLC 57.85 72 eP 49 39.00 0.4
CHG 58.11 259 iPc 49 41.00 0.5
1.2s 82.03nm 5.7mb

SBB 58.50 73 eP 49 43.00 -0.2
GSC 58.67 72 eP 49 46.00 1.6
MWC 58.70 73 eP 49 54.00 9.3X
GUN 59.28 277 P 49 48.32 -0.7
RSSD 59.46 56 P 49 49.50 -0.4
0.7s 14.71nm 5.2mb

KKN 59.73 277 P 49 50.94 -1.0
PKI 59.81 277 P 49 51.44 -1.2
NST 59.84 256 eP 49 54.50 2.0

GKN 59.97 278 P 49 52.32 -1.2
DMN 59.97 277 P 49 52.82 -0.8
PLM 60.01 73 eP 49 53.00 -0.8
KAF 60.14 337 iP 49 53.00 -1.1
PV09 60.75 64 P 49 58.60 -0.3

GOL 61.92 61 P 50 04.70 -2.1
NUR 61.94 337 eP 50 06.20 0.0
1.5s 126.90nm 5.8mb
OBN 63.18 328 iPc+ 50 13.00 -1.5
1.5s 140.00nm 5.9mb

Z 16s 1.20um 5.2MszX
N 16s 1.20um
E 12s 0.40um
i 50 23.50 34km
ePcP 50 43.00
ePPP 54 20.00
eS 58 52.00
eSS 03 32.00
eSSS 05 48.00

UPP 64.08 340 iP 50 18.90 -1.5
NB2 64.19 344 P 50 18.10 -3.0X
1.0s 16.20nm 5.1mb

HFS 64.60 342 eP 50 21.60 -2.1
0.6s 6.40nm 4.9mb
Z 16s 0.49um 4.8MszX
LR 18 18.00

ANMO 64.80 65 P 50 25.60 -0.1
0.8s 3.73nm 4.5mb

ALO 64.80 65 eP 50 25.00 -0.7
1.2s 5.86nm 4.6mb

MAIO 68.21 301 eP 50 47.00 -0.2
e 53 12.00 769kmX

IPM 68.22 248 ePd 50 52.80 5.4X

TUL	69.77	57	eP	50	55.80	-0.9	LPG	1.2s	19.35nm	5.0mb	SLKM	1.01	75	eP	15	08.19		
	0.7s		2.80nm		4.4mb			79.82	342 eP	51 55.60	1.1				14	53.73	-1.2	
			e	51	06.70	36km		1.2s	53.55nm	5.4mb	CRP	1.01	1	iPc	14	54.44	-0.7	
HYB	71.58	275	ePc	51	07.50	-0.4	TCF	79.85	345 eP	51 54.80	0.5			eS	15	09.27		
	1.0s		50.00nm		5.5mb			1.2s	14.90nm	4.9mb	BGL	1.02	354	iPc	14	54.29	-0.8	
KRA	72.52	335	eP	51	12.60	-0.3	MAF	79.86	345 eP	51 54.50	0.2	CGLM	1.06	5	iPc	14	54.81	-0.7
Z	18s		1.60um		5.3msz			1.2s	13.40nm	4.8mb	AUE	1.08	214	eP	14	54.70	-1.0	
E	20s		2.20um				BOB	79.97	340 P	51 56.50	1.5	AUH	1.10	216	eP	14	55.19	-0.8
			e	51	19.60	23kmX	LSF	79.99	345 eP	51 55.50	0.5	PDB	1.11	246	ePd	14	54.75	-1.3
KSP	72.70	337	eP	51	13.10	-0.9		1.2s	23.80nm	5.1mb	AUI	1.12	215	eP	14	55.09	-1.0	
WIT	72.79	344	eP	51	18.00	3.5X	SFI	80.24	338 P	51 58.40	2.1			eS	15	11.46		
CLL	73.00	339	iPc	51	15.10	-0.7	MME	80.24	339 P	51 58.10	1.4	NCG	1.15	1	ePc	14	55.94	-0.8
	1.3s		27.00nm		5.1mb		BNI	80.26	342 P	51 59.10	2.5	SEW	1.38	95	eP	14	58.91	-0.4
			i	51	26.20	37km	ARV	80.38	337 P	51 58.50	1.4	SUA	1.40	30	iPc	14	59.21	-0.7
SPC	73.23	334	eP	51	16.70	-0.6	BDI	80.39	339 P	51 58.70	1.4			eS	15	17.87		
WTS	73.56	343	eP	51	20.00	1.1	QHR	80.46	330 eP	51 57.50	-0.2	CDD	1.52	210	ePd	14	59.77	-1.6
	1.1s		28.00nm		5.2mb		RJF	80.91	345 eP	52 00.80	0.9	MCNL	1.53	226	ePd	14	59.87	-1.5
PRU	73.90	338	Pc	51	21.00	0.0		1.2s	23.80nm	5.1mb				eS	15	19.01		
Z	14s		1.60um		5.5mszX		Z	20s	0.38um	4.7msz	PMS	1.63	51	ePc	15	01.77	-0.9	
N	15s		1.20um					81.20	345 eP	52 02.80	1.3			eS	15	22.41		
E	14s		0.80um					1.2s	17.85nm	4.9mb	SYI	1.65	184	ePd	15	01.83	-1.2	
			e	51	31.20	33km	SBF	81.25	341 eP	52 02.50	0.7	SKT	1.76	10	ePd	15	03.17	-1.3
MOX	73.92	340	eP	51	21.80	0.7		1.2s	35.70nm	5.2mb	PWA	1.80	38	iPc	15	04.37	-0.5	
	1.4s		29.00nm		5.1mb		LFF	81.39	346 eP	52 03.70	1.3	PLRM	2.01	47	eP	15	05.93	-1.8
Z	17s		0.50um		4.9mszX			1.0s	18.00nm	5.0mb	KNK	2.16	56	eP	15	08.05	-1.9	
N	17s		0.60um				MNS	81.49	337 P	52 04.20	1.2	LTJ	2.18	94	ePc	15	07.59	-2.5
E	17s		0.60um				LPO	81.57	345 eP	52 04.50	1.1	GHO	2.20	45	eP	15	08.77	-1.7
			e	51	24.00	0.5		1.2s	29.75nm	5.2mb			eS	15	34.11			
VRJ	74.32	328	ePd	51	24.00		FRF	81.70	341 eP	52 04.70	0.7	KNIM	2.22	86	ePc	15	07.49	-3.1
ENN	74.89	344	eP	51	26.50	-0.2		1.2s	23.80nm	5.1mb	MTU	2.29	95	ePc	15	09.41	-2.1	
	1.0s		42.00nm		5.4mb		DUI	81.73	335 P	52 05.70	1.4			eS	15	36.66		
MLR	74.91	329	eP	51	28.00	1.0	SDI	81.85	336 P	52 06.10	1.2	CUT	2.35	22	eP	15	11.13	-1.2
KHC	74.93	338	iPc	51	27.50	0.5	LRG	81.86	341 eP	52 05.80	1.0	SML	2.44	49	eP	15	11.95	-1.7
	1.1s		10.30nm		4.7mb			1.2s	35.70nm	5.3mb	GLI	2.59	74	eP	15	13.63	-2.1	
Z	14s		1.80um		5.5mszX		Z	20s	0.40um	4.8msz	KLU	3.31	65	iPc	15	22.74	-2.9	
N	14s		1.00um					81.95	341 eP	52 06.20	0.9	TOA	3.45	55	ePc	15	25.80	-1.8
E	14s		1.00um				LMR	1.2s	35.70nm	5.3mb	BALM	4.91	77	eP	15	44.87	-3.0	
			e	51	37.70	33km		82.18	339 eP	52 07.10	0.4							
SRO	75.00	335	e(P)	51	28.80	1.4	PGF	1.2s	29.75nm	5.2mb								
			e	51	38.70	32km		82.37	316 iPc	52 07.90	0.2							
MEM	75.03	344	Pc	51	27.70	0.2	ADI	83.32	346 eP	52 13.20	0.7							
GBA	75.20	273	P	51	30.00	1.0	EPF	1.2s	20.85nm	5.1mb								
	1.3s		44.80nm		5.3mb		DSI	83.60	315 eP	52 14.30	0.2							
CMP	75.39	329	ePd	51	31.00	1.3	RMN	84.85	315 iPc	52 20.60	0.1							
WB2	75.69	205	eP	51	29.50	-2.1	STK	85.68	196 eP	52 16.10	-8.1X							
	2.5s		2.10nm		3.7mb X			0.7s	1.00nm	4.1mb								
WRA	75.70	205	P	51	31.00	-0.6	HOL	85.73	315 iPc	52 25.00	0.2	PGP	1.38	14	iPc	35	11.00	0.1
	1.0s		4.50nm		4.4mb		BISH	90.05	304 ePc	52 45.00	-0.8			eS	35	50.00		
DOU	75.76	344	P	51	33.10	1.4	ZOBO	127.40	65 ePKP	59 04.00	12.4X	PPR	3.00	218	iPc	35	55.00	0.8
GWf	76.31	342	P	51	35.55	0.7		Z	20s	0.10um	4.5msz			iS	36	28.00		
WLS	76.90	342	P	51	38.79	0.6			LR	42 40.00		MAP	3.78	119	eP	35	43.00	-2.2
KBA	76.91	338	iPc	51	39.50	1.1								eS	36	09.00		
	1.0s		74.70nm		5.7mb		LPB	127.63	66 (PKP)	59 05.00	13.1X	CGP	5.45	132	eP	36	11.00	2.0
CDF	76.92	342	P	51	38.92	0.6	CNCB	127.92	66 PKP	58 53.00	0.4	CVP	5.64	12	ePd	36	12.00	0.5
WTTA	77.12	339	iPc	51	40.50	0.9		S.D. = 1.1	on 145 of 161 obs.				0.9s		58.00nm	5.2mb		
	1.5s		58.30nm		5.4mb							PIP	6.13	0	iPc	36	19.00	0.5
			i	51	51.40	35km						QIZ	12.41	305	eP	37	43.80	-1.4
ECH	77.13	342	P	51	40.08	0.7							N	11s		0.40um		
FEL	77.29	341	P	51	40.83	0.4							E	12s		0.40um		
VITF	77.34	343	P	51	41.44	0.9												
PTJ	77.38	336	eP	51	40.10	-0.8												
HAU	77.48	343	eP	51	41.70	0.4												
	1.2s		23.80nm		5.1mb		RED	0.33	300 iPc	14 47.94	-0.6							
Z	20s		0.60um		4.9msz				eS	14 58.30								
			e	51	41.91	0.5	RDT	0.34	341 iPc	14 47.81	-0.7							
MOF	77.48	342	P	51	42.00	0.1			eS	14 58.18								
BSF	77.56	342	eP	51	42.00	0.1	REF	0.35	313 iPc	14 48.17	-0.6							
	1.2s		23.80nm		5.1mb				eS	14 58.97								
VBY	77.93	336	eP	51	44.00	0.2	RSO	0.35	306 iPc	14 48.28	-0.5							
LOMF	78.02	342	P	51	45.22	0.8	RS2	0.35	306 iPc	14 48.29	-0.5							
CTI	78.27	338	P	51	46.20	0.4			eS	14 58.84								
LOR	78.63	344	eP	51	47.70	0.1	RDW	0.38	307 iPc	14 48.34	-0.6							
	1.4s		39.20nm		5.2mb				eS	14 58.89								
Z	20s		0.43um		4.8msz		RDN	0.39	312 iPc	14 48.26	-0.7							
			e	51	49.00	-0.1			eS	14 58.88								
LBF	78.88	344	eP	51	49.00	-0.1	DFR	0.42	324 iPc	14 48.37	-0.7							
	1.2s		11.90nm		4.8mb				eS	14 59.25								
SSF	78.89	344	eP	51	49.20	0.2	NCT	0.48	310 iPc	14 48.63	-0.9							
	1.2s		14.90nm		4.9mb				eS	15 00.23								
MDI	78.95	340	P	51	49.20	-0.1	NNL	0.49	115 ePc	14 49.91	0.4							
VAI	79.06	340	P	51	51.00	1.1	HOM	0.66	155 iPd	14 50.85	-0.1							
AVF	79.17	344	eP	51	51.00	0.4			eS	15 03.35								
	1.2s		28.25nm		5.1mb		NKA	0.68	43 iPc	14 52.37	1.2							
SMF	79.23	344	eP	51	51.20	0.3	XLV	0.84	164 ePd	14 51.88	-1.0							
	1.2s		20.85nm		5.0mb				eS	15 06.01								
ASPA	79.37	205	eP	51	52.90	1.0			eS	15 06.44								
	0.9s		4.30nm		4.4mb		CNPM	0.88	146 iPd	14 52.59	-0.7							
			e	51	51.00	-1.3			eS	15 06.44								
SKO	79.48	330	eP	51	53.60	0.0	CKL	0.95	356 iPc	14 53.35	-0.9							
VAY	79.73	329	eP	51	55.60	1.3												
LPL	79.80	342	eP	51	55.60	1.3												

10d 08h

ELL 0.40 121 iPn 52 19.00 -0.2
YER 0.97 281 ePn 52 29.90 0.5
BCK 1.02 60 iPn 52 30.40 0.2
CIN 1.28 301 eP 52 34.00 -0.6
KHL 1.37 2 ePn 52 36.00 0.0
S.D. = 0.6 on 5 of 5 obs.

% JUN 10, 1991 09h 52m 09.50 ± 1.21s
16.276 N ± 8.7km 61.250 W ± 8.4km
DEPTH = 27.7 ± 11.6 km

LEEWARD ISLANDS (92)
ML 2.3 (FDF).

SFG 0.06 114 ePd 52 14.15 -0.1
DEG 0.19 79 ePd 52 15.36 0.0
S 52 19.00
SEG 0.28 297 iPc 52 16.52 0.1
S 52 20.20
MGG 0.36 190 ePc 52 17.90 0.3
PAG 0.48 239 eP 52 19.30 -0.2
S 52 25.70
BBL 0.78 196 eP 52 24.45 0.0
S 52 39.90
BPA 0.96 323 eP 52 27.16 0.0
S 52 39.50
S.D. = 0.2 on 7 of 7 obs.

% JUN 10, 1991 10h 49m 31.43s
61.444 N 151.596 W
DEPTH = 88.9km
SOUTHERN ALASKA (2)
<AEIC>

CGLM 0.24 236 iPc 49 44.03 -0.7
NCG 0.27 262 iPc 49 44.17 -0.8
eS 49 54.22
CRP 0.32 237 iPc 49 44.65 -0.6
eS 49 54.70
SUA 0.41 87 iPc 49 45.73 0.0
S 49 56.83
BGL 0.42 245 eP 49 45.22 -0.6
CKL 0.44 236 ePc 49 45.08 -0.9
eS 49 56.27
SKT 0.54 3 iPd 49 45.88 -0.8
eS 49 57.19
NKA 0.72 166 ePd 49 49.35 1.1
PWA 0.85 75 ePc 49 49.19 -0.4
eS 50 03.27
RDT 0.96 205 iPd 49 49.89 -1.1
eS 50 05.56
PMS 1.00 101 iPc 49 50.97 -0.4
DFR 1.01 212 iPd 49 50.63 -0.9
eS 50 05.81
RDN 1.09 212 iPd 49 51.57 -1.0
NCT 1.10 217 iPd 49 51.89 -0.7
eS 50 07.81

REF 1.10 210 iPd 49 51.80 -0.9
RDW 1.13 212 iPd 49 52.23 -0.9
RS2 1.14 210 eP 49 52.26 -0.9
RSO 1.14 210 eP 49 52.18 -1.0
CUT 1.15 32 iPd 49 52.71 -0.4
SLKM 1.15 144 eP 49 52.10 -1.1
RED 1.18 210 iPd 49 52.57 -1.0
S 50 09.92
PLRM 1.19 82 iPc 49 52.31 -1.3
eS 50 08.23
GHO 1.32 74 ePc 49 54.04 -1.3
NNL 1.41 174 iPd 49 56.53 0.1
KNK 1.51 90 ePc 49 56.23 -1.5
SML 1.60 75 ePc 49 57.14 -1.7
SEW 1.71 141 eP 49 58.48 -1.7
BRLK 1.72 168 eP 49 59.11 -1.3
eS 50 20.97
eS 50 20.98

HOM 1.79 181 ePd 50 00.29 -1.0
HUR 1.79 30 eP 50 01.00 -0.4
CNPM 1.93 175 iPd 50 01.72 -1.5
SCM 2.07 77 eP 50 03.55 -1.7
PDB 2.10 219 iPd 50 04.30 -1.1
TRF 2.10 16 ePd 50 04.43 -1.3
KNIM 2.18 119 ePc 50 03.59 -3.0
GLI 2.25 103 iPc 50 04.69 -2.9
AUE 2.27 204 eP 50 06.14 -1.6
AUH 2.28 205 eP 50 07.31 -0.7
AUI 2.30 204 eP 50 07.44 -0.8
LTI 2.32 126 iPc 50 05.78 -2.6
RND 2.35 32 ePd 50 07.62 -1.3

MTU 2.43 125 eP 50 08.04 -1.9
VZW 2.47 97 eP 50 07.96 -2.6
VLZ 2.56 95 ePc 50 09.06 -2.6
TOA 2.66 73 ePc 50 11.92 -1.3
CDD 2.72 203 ePd 50 12.53 -1.4
KLU 2.72 86 iPc 50 11.43 -2.6
SYI 2.87 188 eP 50 14.12 -1.8
WRH 3.43 26 eP 50 21.41 -2.3
CCB 3.65 27 ePd 50 24.24 -2.4
HDA 3.65 33 eP 50 24.93 -1.8
MDM 3.84 22 ePd 50 26.90 -2.5
GLM 4.03 26 eP 50 29.97 -2.1
TGL 4.31 95 eP 50 32.67 -3.3
54 obs. associated

JUN 10, 1991 10h 51m 25.25 ± 0.42s
31.138 S ± 5.9km 69.852 W ± 8.7km
DEPTH = 124.3 ± 6.9 km

SAN JUAN PROVINCE, ARGENTINA (137)

RTBS 0.62 147 ePc 51 45.40 0.7
RTCB 0.97 111 ePc 51 48.00 0.3
RTRS 1.02 19 iPd 51 47.90 -0.2
RTLL 1.20 100 iPd 51 50.00 0.0
JACH 1.66 202 iPd 51 55.80 0.4
MDZ 1.94 154 iP 51 57.90 -0.8
PEL 2.12 199 iPd 52 01.00 0.0
S 52 28.00
SAN 2.41 196 iPd 52 04.90 0.3
S 52 32.50
IHA 2.42 218 iPd 52 03.80 -0.9
S 52 28.40
PCH 2.54 193 iPd 52 07.00 0.6
S 52 35.00
TACH 2.67 200 iPd 52 07.30 -0.7
S 52 39.60
ANT 7.42 356 e(P) 53 02.32 -9.9x
CNCB 14.37 7 P 54 45.00 0.5
LPB 14.63 7 eP 54 49.00 1.3
ZOB0 14.88 6 P 54 50.80 -0.3
SIV 17.08 30 P 55 15.70 -2.1
PPD 18.88 66 iPc 55 38.60 0.1
e 55 41.40
e 55 45.20
BAO 25.24 57 ePc 56 41.50 0.1
LKO 73.59 68 P 02 47.58 0.7
S.D. = 0.9 on 18 of 19 obs.

% JUN 10, 1991 11h 25m 56.23 ± 1.33s
43.043 N ± 9.3km 18.678 E ± 8.4km
DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)
ML 1.4 (TTG).

BRY 0.17 215 iPgD 26 00.48 0.2
iSg 26 03.27
NKY 0.33 134 iPgC 26 03.43 0.3
iSg 26 08.85
PLE 0.60 61 iPgD 26 08.25 -0.1
iSg 26 18.33
HCY 0.61 193 iPgC 26 08.42 -0.1
iSg 26 18.05
TTG 0.75 145 iPgD 26 10.57 -0.3
BDV 0.77 172 iPgC 26 10.98 -0.2
IVA 0.91 100 iPgD 26 13.90 0.2
S.D. = 0.3 on 7 of 7 obs.

JUN 10, 1991 13h 28m 04.40 ± 0.38s
26.842 S ± 6.5km 26.724 E ± 7.4km
DEPTH = 5.0km (geophysicist)
4.8mb (7 obs.)

REPUBLIC OF SOUTH AFRICA (584)
mbLg 4.1 (BUL).

SLR 1.78 52 iPd 28 37.00 0.8
S 28 59.50
BLF 2.31 192 iPd 28 43.20 -0.6
S 29 09.50
KIM 2.57 222 iPc 28 46.80 -0.7
S 29 16.00
FRS 3.15 203 iPd 28 55.20 -0.4
S 29 31.70
BFT 3.19 70 iPc 28 57.00 0.6
S 29 39.00
JOZ 4.81 98 eP 29 11.00 -8.2x
0.9s 403.36nm
S 30 21.70

BUL 6.89 15 iPn 29 48.10 -0.6
iSn 31 04.00
eP 31 41.50
WIN 9.73 294 eP 30 27.50 -0.8
1.2s 281.25nm 6.6mb X
S 31 49.50

KRI 10.32 16 iPn 30 34.00 -2.3
iSn 32 26.50
iSg 33 24.50
MTD 10.98 25 iPn 30 41.00 -4.4x
iSn 32 40.30
iSg 33 41.40

TIC 45.32 313 P 36 26.10 0.7
GBA 63.57 57 Pd 38 38.50 -0.1
1.0s 9.90nm 5.0mb

OHR 67.83 355 eP 39 07.80 2.2x
SMF 76.02 344 eP 39 56.00 1.8
0.8s 8.05nm 4.9mb

AVF 76.28 344 eP 39 56.80 1.2
1.0s 15.00nm 5.1mb
LBF 76.30 344 eP 39 57.40 1.5
0.8s 6.70nm 4.8mb

LOR 76.60 344 eP 39 57.40 -0.1
0.6s 4.50nm 4.8mb

GKN 77.88 50 P 40 04.60 -0.6
DMN 77.96 51 P 40 05.30 -0.4
PKI 78.14 51 P 40 05.80 -1.0

KKK 78.19 51 P 40 06.80 -0.2
GUN 78.68 51 P 40 09.20 -0.6
ZOB0 86.99 253 P 40 54.00 0.8

NB2 88.47 353 PKP 40 57.80 -0.8
0.6s 0.80nm 4.2mb

STK 94.80 129 eP 41 29.30 0.6
0.7s 1.60nm 4.5mb

YKA 136.19 335 ePKP 47 27.60 -0.4
0.6s 0.60nm

PNT 145.72 320 ePKP 47 47.00 1.6
1.0s 24.00nm

GLA 146.25 290 ePKP 47 50.00 3.1x
TPC 147.24 292 ePKP 47 53.00 4.6x
GSC 147.79 294 ePKP 47 54.00 4.7x

BAR 147.80 289 ePKP 47 54.00 4.7x
PLM 147.95 291 ePKP 47 55.00 5.2x
RVR 148.35 292 ePKP 47 54.00 3.9x

CLC 148.38 295 ePKP 47 55.00 4.8x
SBB 148.67 293 ePKP 47 55.00 4.3x
ISA 149.10 295 ePKP 47 58.00 6.6x

FRI 149.90 298 ePKP 47 58.20 5.8x
CMB 150.23 300 ePKP 47 59.20 6.3x
MIN 150.55 305 ePKP 47 59.40 5.9x

PR1 150.80 297 ePKP 48 01.50 7.5x
WDC 151.16 306 ePKP 47 59.80 5.6x
FHC 152.12 307 ePKP 48 08.80 13.1x
S.D. = 1.0 on 24 of 42 obs.

% JUN 10, 1991 13h 33m 07.55 ± 0.64s
44.217 N ± 10.1km 9.619 E ± 5.2km
DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

BOB 0.56 348 P 33 19.00 0.0
eSg 33 28.30

BDI 0.72 102 P 33 21.40 -0.4
eSg 33 32.00
MME 0.78 91 P 33 22.90 0.0
eSg 33 34.40

PII 0.82 127 P 33 23.80 0.4
eSg 33 36.60

PCP 0.84 293 P 33 24.47 0.7
S 33 35.44
FIN 1.01 270 P 33 27.23 0.5
S 33 41.18

ROB 1.26 274 P 33 29.80 -1.2
S.D. = 0.8 on 7 of 7 obs.

? JUN 10, 1991 14h 15m 41.78 ± 3.12s
31.989 S ± 12.4km 69.460 W ± 24.6km
DEPTH = 100.0 ± 32.6 km

SAN JUAN PROVINCE, ARGENTINA (137)

RTBS 0.33 1 ePd 15 56.60 -0.1
RTCB 0.75 48 iPc 16 00.20 0.2
MDZ 1.03 150 iPc 16 02.90 0.0
iS 16 19.00

RTLL 1.07 52 iPd 16 03.20 -0.1
S 16 20.00
RTRS 1.81 360 iPc 16 12.40 0.0

10d 14h

S 16 37.20
S.D. = 0.2 on 5 of 5 obs.
? JUN 10, 1991 14h 33m 27.01 ± 4.05s
36.812 N ± 32.1km 28.073 E ± 24.5km
DEPTH = 76.7 ± 27.4 km
DODECANESE ISLANDS (369)
MD 3.4 (ISK).

YER 0.36 28 iPg 33 39.30 -0.3
eSg 33 49.30
CIN 0.79 1 iPg 33 44.00 0.5
iSg 33 57.00
ELL 1.48 92 iPn 33 52.50 0.1
IZM 1.71 338 iPn 33 55.30 -0.1
KHL 1.90 37 ePn 33 57.90 -0.2
S.D. = 0.6 on 5 of 5 obs.

? JUN 10, 1991 17h 15m 46.54 ± 3.28s
30.919 N ± 21.7km 51.948 E ± 35.5km
DEPTH = 33.0km (normal)
4.5mb (4 obs.)

IRAN (348)
IR4 4.40 349 eP 16 53.50 0.7
IR5 4.43 345 eP 16 53.00 -0.4
IR1 4.61 347 eP 16 56.00 0.2
TEH 4.83 355 eP 17 03.00 4.1X
IR7 4.90 347 eP 16 59.00 -1.0
KER 5.33 311 eP 17 06.00 0.0
MAIO 8.27 48 eP 18 24.00 36.8X
TAB 8.50 328 eP 18 04.00 13.5X
MLR 24.94 313 eP 21 10.00 1.7
OHR 27.04 301 eP 21 30.20 2.5X
LPG 37.87 306 eP 23 02.20 -0.2
0.8s 8.75nm 4.7mb
LPL 37.89 306 eP 23 02.50 0.1
0.6s 4.05nm 4.5mb
HFS 38.70 330 eP 23 09.50 0.7
0.4s 1.30nm 4.1mb
SMF 40.01 307 eP 23 18.00 -1.9
0.8s 8.05nm 4.5mb
S.D. = 1.1 on 10 of 14 obs.

JUN 10, 1991 17h 35m 49.48 ± 0.08s
23.771 N ± 2.1km 45.368 W ± 1.3km
DEPTH = 9.7km (geophysical)
6.1mb (77 obs.) 6.5MsZ (36 obs.)
NORTH ATLANTIC RIDGE (403)
Ms 6.8 (BRK). Mo=6.0*10**18 Nm
(PPT). Depth from broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=225 Dip=78 Slip= 27
NP2: 129 64 167
Principal Axes:
T Plg=27 Azm= 90
P 10 355

Comment: The focal mechanism is
poorly controlled and
corresponds to strike-slip
faulting with a moderate
reverse component. The
preferred fault plane is not
determined.

RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 1.3±0.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 13
Moment Tensor: Scale 10**18 Nm
Mrr= 1.74 Mtt=-4.43
Mff= 2.69 Mrt=-0.32
Mrf=-2.96 Mtf=-2.15
Principal axes:
T Val= 5.43 Plg=38 Azm= 79
N -0.20 50 238
P -5.23 10 341
Best Double Couple: Mo=5.3*10**18
NP1:Strike=113 Dip=56 Slip= 158
NP2: 215 72 36
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 63C M.W.: 21S, 43C
Centroid Location:
Origin Time 17:35:58.3 0.2
Lot 23.80N 0.02 Lon 45.29W 0.01

Dep 15.0 FIX Half-duration 5.6
Moment Tensor: Scale 10**18 Nm
Mrr=-0.10 0.03 Mtt=-1.20 0.04
Mff= 1.30 0.04 Mrt=-0.11 0.11
Mrf= 0.57 0.09 Mtf=-3.00 0.03
Principal Axes:
T Val= 3.38 Plg= 9 Azm=237
N -0.16 80 31
P -3.22 4 146
Best Double Couple: Mo=3.3*10**18
NP1:Strike=281 Dip=81 Slip= 177
NP2: 12 87 9

DEG 16.50 246 eP 39 40.00 -2.7
CPB 16.56 251 eP 39 41.87 -1.5
SFG 16.64 246 eP 39 40.20 -4.3X
SEG 16.83 247 eP 39 46.51 -0.3
BPA 16.83 250 eP 39 45.80 -1.2
MGG 16.91 245 eP 39 47.20 -0.6
PAG 17.15 246 eP 39 50.70 -0.3
eTT 56 00.00
CRM 17.19 241 eP 39 50.80 -0.6
BBL 17.24 245 eP 39 51.90 -0.1
MDN 17.28 244 eP 39 51.71 -0.8
MYM 17.28 241 eP 39 52.38 -0.2
DTMT 17.28 243 eP 39 52.14 -0.5
eTT 55 40.00
FDF 17.39 242 ePc 39 53.31 -0.7
0.8s 5.50nm 3.7mb X
S 43 38.00
NEV 17.41 251 eP 39 50.57 -3.6X
BIM 17.44 241 eP 39 54.59 -0.1
SKI 17.48 252 eP 39 50.96 -4.0X
SLW 17.62 239 eP 39 58.47 1.6
SVV 18.25 238 eP 40 05.42 0.7
eTT 57 00.00
FCV 18.37 238 eP 40 06.47 0.3
BOT 19.25 232 eP 40 18.54 1.7
LPR 19.89 258 P 40 22.50 -1.6
TBH 19.96 231 eP 40 25.77 0.9
CPD 20.02 257 P 40 24.50 -0.9
TRN 20.09 232 ePc 40 26.60 0.4
Z 20s 40.70um 5.8MsZ

SJG 20.20 258 eP 40 26.00 -1.4
TCE 20.32 233 eP 40 29.11 0.5
TPP 20.35 232 eP 40 29.83 0.9
CLLP 20.59 258 P 40 31.00 -0.4
PORP 20.66 258 P 40 31.50 -0.6
LRS 20.77 259 P 40 32.00 -1.2
MGP 21.08 258 P 40 36.00 -0.4
PALR 21.75 237 iP 40 43.20 -0.1
PDA 21.87 46 iPc 40 43.60 -0.6
GUAN 23.73 238 iPd 41 03.30 0.4
LLAV 24.34 241 iP 41 09.50 0.7
CAR 24.42 241 iP 41 10.00 0.5
OLLA 24.60 240 iP 41 11.00 -0.3
CHIE 24.98 75 iPc 41 15.00 0.3
TBT 25.08 73 iPc 41 15.20 -0.5
MORO 25.34 244 iPd 41 19.00 0.7
CTFE 26.52 74 iPc 41 28.50 -0.6
GGC 27.05 74 iPc 41 33.70 -0.4
TOV 27.14 243 iPc 41 36.20 1.2
EMM 27.62 325 P 41 39.60 0.6
SDV 28.33 243 iPc 41 46.60 0.6
MBO 28.38 104 iPc 41 46.70 0.6
CFTV 28.43 74 iPc 41 45.80 -0.8
HRV 28.63 317 iPd 41 48.35 0.2
ePc 41 51.09 10kmX
eS 46 41.58
MIM 28.78 324 P 41 49.80 0.3
CBM 29.44 327 P 41 56.10 0.7
PNJ 29.54 312 iP 41 56.80 0.5
PP 42 52.20
GMTN 29.55 312 iP 41 56.30 -0.1
BNH 29.62 321 P 41 57.60 0.5
TXNY 29.68 313 iP 41 57.60 -0.1
TBR 29.69 313 ePd 41 57.70 0.0
42 05.80
LVNJ 29.91 312 P 41 58.70 -1.0
CBN 30.80 305 eP 42 08.00 0.4
NA2 31.06 305 P 42 10.20 0.3
CAI 31.17 164 iPd 42 10.70 -0.3
BMG 31.35 243 eP 42 12.00 -0.8
CVL 31.55 304 P 42 14.50 0.3
HBF 32.01 294 P 42 18.50 0.2
SCP 32.06 310 iPd 42 19.22 0.6
epPd 42 22.03 10kmX

LHS 32.60 297 P 42 23.80 0.4
BLA 32.85 302 iPd 42 26.50 0.9
1.0s 310.00nm 6.2mb
JSC 32.93 297 P 42 27.00 0.7
SOB1 33.07 172 iPd 42 27.20 -0.4
NAV 33.16 302 P 42 29.40 1.1
WVLY 33.19 312 P 42 29.50 1.0
BOG 33.58 240 iPc 42 32.50 0.0
eS 47 25.00
LIS 34.12 55 iPc 42 36.10 -0.5
TIO 34.46 70 iP 42 40.00 0.2
AVE 34.51 65 iP 42 40.00 0.0
i 43 49.50
MOE 34.67 56 iPc 42 41.00 -0.4
i 43 57.50
FIG 34.76 59 eP 42 42.50 0.4
SCH 34.86 338 ePd 42 42.40 -0.4
1.5s 662.00nm 6.3mb
CLE 34.89 309 iP 42 43.60 0.4
COI 35.07 53 iPc 42 44.00 -0.7
i 44 01.30
TKL 35.19 299 P 42 46.40 0.6
LDN 35.19 312 P 42 45.55 -0.2
PTO 35.21 52 iPc 42 45.00 -0.9
eS 47 42.00
ELF 35.33 312 P 42 46.85 -0.1
DLA 35.39 311 P 42 46.25 -1.2
GBTN 35.54 299 P 42 49.30 0.5
EVAL 35.70 58 iPc 42 50.00 -0.1
MTE 35.77 53 iPc 42 50.00 -0.8
UPA 35.80 252 iPc+ 42 51.30 0.1
1.0s 94.00nm 5.6mb
Z 21s 18.64um 5.8MsZ
i 44 14.50
STS 35.82 49 iPc 42 52.00 0.9
CNIL 36.03 60 eP 42 54.50 1.6
PLAT 36.22 61 eP 42 55.00 0.4
MVO 36.35 52 eP 42 52.50 -3.2X
ALJ 36.43 60 eP 42 56.50 0.0
EJIF 36.51 60 iPc 42 57.50 0.6
LIJA 36.62 60 eP 42 58.50 0.5
ERUA 36.64 50 iPc 42 58.00 0.0
EPLA 36.76 54 iPc 42 58.60 -0.5
EMON 36.85 48 iPc 42 59.50 -0.3
EHOR 36.91 58 iPc 43 00.50 0.2
MAL 37.39 60 iPc 43 05.00 0.7
iPP 44 28.00
iS 48 56.00
EGUA 38.08 60 eP 43 10.00 -0.2
EBAN 38.11 58 iPc 43 10.00 -0.4
ECOG 38.14 59 iPd 43 11.30 0.5
AFC 38.15 59 iPc 43 11.00 0.0
TOL 38.24 55 iPc 43 10.53 -0.9
iPP 44 36.36
i 45 06.00
eS 49 07.91
GUD 38.33 54 iPc 43 12.00 -0.4
VAL 38.86 35 P 43 16.00 -0.5
S 49 14.00
EHUE 38.99 59 iPc 43 18.00 0.1
ENIJ 39.17 60 iPc 43 19.50 0.1
EVIA 39.18 57 iPc 43 19.50 0.0
BAO 39.25 184 ePd 43 21.50 1.3
ANGL 39.40 237 eP 43 19.60 -2.4
ELC 39.77 300 P 43 25.40 1.2
EALH 39.91 59 eP 43 25.50 0.1
ETOR 39.92 54 iPc 43 26.00 0.4
ECRI 39.99 51 iPc 43 26.70 0.6
YANA 40.02 238 Pd 43 27.30 0.1
OUR 40.03 238 P+ 43 28.00 0.9
GGP 40.08 238 P 43 28.00 0.2
LKO 40.49 104 Pc 43 30.08 -0.4
1.3s 622.00nm 6.2mb
SLM 40.73 302 P 43 40.00 7.8X
Z 18s 19.68um 6.0MsZ
ACU 40.79 58 iPc 43 33.50 0.8
FVM 40.80 301 iPd 43 33.20 0.5
0.7s 265.31nm 6.1mb
e 43 40.20
DCN 41.14 34 iPc 43 35.60 0.3
BOH 41.18 51 P 43 36.60 0.7
ELYF 41.21 51 P 43 35.98 -0.1
ISSF 41.31 51 P 43 37.83 0.8
MADF 41.32 51 P 43 37.01 0.0
ATE 41.40 51 P 43 37.99 0.4
OLY 41.41 297 P 43 38.10 0.4

LHE	41.41	51	P	43	38.60	0.8	GRC	44.98	46	P	44	06.96	0.3	BSF	47.56	46	P	44	26.70	-0.5
CCM	41.45	301	iPd	43	39.40	1.4	COLF	45.00	49	P	44	07.39	0.4	DBN	47.58	40	iP+	44	28.00	0.9
			epPd	43	42.55	11kmX	PLDF	45.05	48	P	44	07.78	0.4	Z	20s	39.90um			6.4Msz	
			iS	49	56.89		AVF	45.05	47	iPc	44	07.30	0.1			e	44	47.00		
ESCF	41.48	51	P	43	38.94	0.6	SSF	45.21	47	iPc	44	08.50	0.0			ePP	46	17.00		
DMU	41.61	34	iPc	43	39.40	0.3	SMF	45.34	47	iPc	44	09.90	0.3			iS	51	28.00		
	1.0s	348.00nm			6.0mb		AKU	45.41	15	iP	44	11.60	1.8	ENN	47.67	42	iPc	44	27.90	0.1
JAU	41.62	51	P	43	40.40	0.8	LOR	1.3s	246.15nm			6.0mb			1.0s	101.00nm			5.9mb	
BTH	41.76	51	iPd	43	41.00	0.5		45.50	46	iPc	44	10.70	-0.1	MEM	47.68	42	iPc	44	28.09	0.2
			i	43	58.50			2.0s	546.52nm			6.2mb		IMI	47.69	52	P	44	28.08	-0.2
			i	44	04.40		Z	20s	72.50um			6.6Msz		ROB	47.73	51	P	44	28.39	-0.1
			i	44	22.00		LBF	45.51	47	iPc	44	10.80	-0.1	MOF	47.79	46	P	44	28.32	-0.7
			i	44	38.50		SSB	45.54	49	P	44	11.67	0.5	ECH	47.87	46	P	44	29.17	-0.4
			ePP	45	16.50		ZOBO	45.59	211	iPc	44	12.50	0.1	FIN	47.96	51	P	44	30.03	-0.3
			e	45	25.00				S	50	44.00		BBS	47.96	47	P	44	29.77	-0.5	
			iPcP	45	36.70				LR	57	04.00		ORX	47.99	49	P	44	30.74	0.1	
			isPcP	45	47.00		CCH	45.66	208	P	44	12.80	0.2	CDP	47.99	45	P	44	30.02	-0.5
			PPP	45	52.50		GDH	45.76	356	ePd	44	20.00	7.5X	CKI	48.03	51	Pc	44	30.60	-0.2
			e	46	11.00			1.1s	88.61nm			5.7mb	WLS	48.04	45	P	44	30.45	-0.5	
			e	47	32.00				i	51	06.00		LIBD	48.15	46	P	44	31.47	-0.2	
			i	48	20.50		LPB	45.80	211	iPc	44	13.00	-0.9	PCP	48.24	51	P	44	32.28	-0.2
			iScP	49	23.00			1.8s	863.64nm			6.4mb	GW	48.33	45	P	44	32.75	-0.3	
			PcS	49	47.00		Z	24s	60.47um			6.5MszX	PGF	48.36	53	P	44	33.10	-0.4	
			SPP	50	04.00				S	51	00.00		FEL	48.37	46	P	44	32.57	-1.0	
EROQ	41.76	55	iPc	43	41.00	0.4			LR	57	36.00		OXX	48.38	272	(P)	44	34.50	0.4	
EBR	41.82	55	iP	43	42.00	1.0	PPD	45.89	188	eP	44	14.40	0.3	BGG	48.41	43	iPc	44	33.60	0.0
			i	50	04.00				e	44	18.40				e	47	26.50			
ENSF	42.08	52	P	43	43.89	0.6			e	44	37.00		IISM	48.45	275	(P)	44	33.50	-0.9	
EPF	42.13	51	iPc	43	44.20	0.6	CNCB	45.98	211	iPc	44	16.00	0.5	BNS	48.48	42	iPc	44	34.60	0.4
	2.0s	637.75nm			6.0mb		CDR	46.14	52	iPc	44	16.50	0.6	Z	20s	41.70um			6.4Msz	
TIC	42.30	107	Pc	43	44.92	-0.3			e	46	03.10		WTS	48.52	41	iPc	44	34.50	0.1	
SIV	42.39	203	iPc	43	45.20	-0.8	CDR	46.14	52	iPc	44	24.04	-8.2X	VAI	48.57	49	Pc	44	35.10	0.2
LIC	42.49	108	Pc	43	46.56	-0.2	BMA	46.20	178	eP	44	12.30	-4.2X	WIT	48.65	40	ePc	44	36.00	0.6
	1.7s	1628.50nm			6.5mb				e	44	19.50		BOB	48.90	51	Pc	44	38.00	0.4	
Z	19s	25.60um			6.1Msz				e	44	23.90		TNS	49.11	43	iPc	44	39.70	0.6	
			S	50	00.00		DOMF	46.23	42	P	44	16.23	-0.2	MDI	49.21	49	Pc	44	38.70	-1.1
LPF	42.52	44	iPc	43	47.30	0.6	RDJ	46.43	177	eP	44	23.60	5.3X	IIT	49.29	275	(P)	44	41.50	0.3
MFF	42.67	46	iPc	43	48.70	0.7	VAO	46.52	182	eP	44	20.70	1.6	PII	49.57	52	Pc	44	42.30	-0.3
KIC	42.67	107	Pc	43	48.18	-0.2			e	44	34.60		PPM	49.57	275	(P)	44	43.50	-0.1	
	1.7s	1326.50nm			6.4mb				e	44	46.70		BDI	49.65	52	Pc	44	42.20	-1.2	
SALF	42.68	52	P	43	49.29	1.1	LRG	46.53	52	iPc	44	19.50	0.5	SAL	49.75	50	P	44	43.20	-0.8
GRR	42.75	44	iPc	43	49.00	0.4		2.0s	746.35nm			6.4mb	MAO	49.94	54	Pc	44	45.10	-0.4	
	2.0s	723.05nm			6.1mb		SNF	46.59	42	iPc	44	19.19	-0.1	OGA	50.24	48	iPc	44	47.90	-0.2
LESF	42.81	52	P	43	49.46	0.3	LMR	46.62	52	iPc	44	20.10	0.4	EGD	50.41	30	eP	44	48.10	-0.7
FRB	42.81	345	ePd	43	48.80	-0.1		2.0s	653.05nm			6.3mb	SQTA	50.41	48	iPc	44	49.10	-0.1	
	1.3s	448.00nm			6.0mb		DOU	46.67	43	Pc+	44	19.80	-0.2		1.2s	354.00nm			6.2mb	
LFF	42.84	49	iPc	43	49.70	0.4		1.0s	61.10nm			5.6mb			i	45	00.20			
LPO	43.09	49	iPc	43	51.60	0.2	Z	21s	39.20um			6.3Msz	PGD	50.45	52	P	44	48.70	-0.9	
FLN	43.11	43	iPc	43	51.80	0.3			S	51	13.00		ASK	50.48	30	iP	44	48.60	-0.7	
	2.0s	811.85nm			6.1mb		UCC	46.72	42	Pc+	44	20.30	0.0	BER	50.50	30	iP	44	49.00	-0.5
TRGS	43.20	53	P	43	53.60	1.0			e	49	26.00		SUE	50.51	29	eP	44	49.30	-0.3	
REY	43.21	15	e(P)	44	05.60	13.5X			S	51	14.00		III	50.52	275	(P)	44	51.00	0.4	
LSPF	43.24	52	P	43	52.83	0.2	FRF	46.75	52	iPc	44	21.10	0.3	PTS	50.53	61	P	44	50.70	0.6
LDF	43.28	43	iPc	43	53.30	0.4		2.0s	664.75nm			6.4mb	SFI	50.54	52	Pc	44	49.00	-1.1	
	2.0s	769.70nm			6.1mb		BNI	46.99	50	Pc	44	24.00	1.2	CTI	50.58	49	Pc	44	49.80	-0.7
RJF	43.46	49	iPc	43	54.20	-0.2	NNA	47.01	224	iPc	44	21.70	-1.4	CRE	50.60	52	Pc	44	49.40	-1.3
	2.0s	653.05nm			6.1mb			1.1s	158.23nm			6.0mb	WATA	50.68	47	iPc	44	50.60	-0.7	
Z	20s	97.50um			6.7Msz		Z	20s	21.28um			6.1Msz		1.4s	353.00nm				6.1mb	
ESEL	43.49	57	iPc	43	55.00	0.3			eS	51	11.00				i	45	01.30			
VDCF	43.51	53	P	43	55.12	0.3	RRL	47.04	50	P	44	24.49	1.2	ASK	50.48	30	iP	44	48.60	-0.7
MTHF	43.69	52	P	43	56.20	-0.1	RSL	47.06	49	P	44	24.04	0.7	BER	50.50	30	iP	44	49.00	-0.5
LSF	43.70	47	iPc	43	56.70	0.4	LPL	47.10	49	iPc	44	24.90	1.1	SUE	50.51	29	eP	44	49.30	-0.3
CAF	43.75	49	iPc	43	56.90	0.1	VITF	47.11	45	P	44	23.30	-0.2	III	50.52	275	(P)	44	51.00	0.4
ETER	43.82	53	iPc	43	58.00	0.7	LPG	47.11	49	iPc	44	25.10	1.2	PTS	50.53	61	P	44	50.70	0.6
PERF	43.86	53	P	43	58.34	0.6		0.8s	539.45nm			6.7mb	SFI	50.54	52	Pc	44	49.00	-1.1	
EAB	44.05	32	ePc	43	58.90	-0.1	PT10	47.16	224	iPd	44	23.00	-1.2	CTI	50.58	49	Pc	44	49.80	-0.7
TCF	44.16	47	iPc	44	00.30	0.2	PZZ	47.21	51	P	44	25.62	1.1	CRE	50.60	52	Pc	44	49.40	-1.3
ESK	44.19	33	eP	44	00.00	-0.1	MEQ	47.22	296	iPd	44	24.90	0.3	WATA	50.68	47	iPc	44	50.60	-0.7
	1.0s	120.00nm			5.7mb		AURF	47.29	52	P	44	25.08	0.0		1.4s	353.00nm			6.1mb	
EKA	44.22	33	P	44	00.00	-0.4	REVF	47.30	52	P	44	25.47	0.4			i	45	01.30		
MAF	44.39	47	iPc	44	02.00	0.1	HAU	47.30	46	iPc	44	24.70	-0.3	LVI	50.77	60	P	44	51.90	0.0
EBL	44.48	33	iPc	44	02.50	0.0		2.0s	728.85nm			6.4mb	FRO	50.86	28	eP	44	52.07	-0.1	
	0.8s	152.00nm			5.9mb		Z	20s	57.50um			6.5Msz	FOO	50.86	28	iP	44	52.87	0.7	
EDI	44.49	33	ePc	44	02.50	0.0			S	51	11.00		ERC	50.97	60	P	44	53.50	0.0	
ELO	44.50	32	ePc	44	02.30	-0.3	DOI	47.31	51	Pc	44	26.00	0.7	RMP	51.07	55	P	44	53.90	-0.2
	0.8s	63.00nm			5.5mb		STV	47.33	51	P	44	25.92	0.5	MNS	51.07	54	P	44	54.80	0.6
LBL	44.63	49	P	44	04.33	0.3	PBJ	47.36	271	(P)	44	21.50	-4.4X	RDP	51.07	55	P	44	54.10	-0.2
BGF	44.65	47	iPc	44	04.10	0.0	SBF	47.36	52	P	44	25.91	0.3	ASS	51.08	53	P	44	53.10	-1.2
AGO	44.73	48	P	44	05.13	0.4	BHB	47.37	50	P	44	26.03	0.4	VVI	51.11	49	Pc	44	53.90	-0.5
ESY	44.77																			

10d 17h

	1.8s	535.71nm	6.2mb	PTJ	53.57	50 eP	45 10.90	-2.0	SKO	57.58	54 iPc	45 41.60	-0.3	
	Z 20s	33.90um	6.4MsZ	ZAG	53.58	50 iPc	45 12.70	-0.2		1.3s	244.00nm	6.1mb		
AQU	51.60	54 Pc	44 58.30	0.0		iS	52 49.50		Z 18s	15.01um	6.1MsZ			
MRX	51.74	277 (P)	45 02.00	2.5	ANMO	53.67	297 iPd	45 14.92	1.0	N 20s	13.95um			
FFC	51.76	322 iPd	44 58.60	-0.6		2.0s	1102.97nm	6.5mb	E 18s	15.72um				
	1.2s	203.00nm	5.9mb		Z 18s	17.53um	6.2MsZ					45 56.20		
WET	51.77	45 iPc	44 58.70	-0.7		epPd	45 17.81	10kmX				46 03.10		
	Z 15s	15.00um	6.1MsZ			ePP	46 24.50					46 11.00		
		iS	52 25.50			iS	52 51.57					46 21.20		
JNW	51.81	14 eP	45 04.70	5.3X		eScS	55 07.31					46 32.50		
KBA	51.85	48 iPc	44 59.20	-1.0		eSS	56 26.00					iPP	47 45.00	
	0.9s	133.00nm	5.8mb	ALO	53.67	297 iPd-	45 14.50	0.5				iPPP	49 14.50	
		i	45 01.50			1.8s	909.09nm	6.5mb				i	50 18.00	
		i	45 07.80		Z 20s	20.92um	6.2MsZ					i	53 30.00	
FAI	51.86	60 Pc	45 01.00	0.8		eS	52 48.00					i	53 43.00	
SDI	51.90	55 Pc	45 00.00	-0.5	RGS	53.73	28 eP	45 13.00	-0.7			i	53 57.50	
SLA	52.01	203 ePc	44 59.90	-1.7	TDS	53.84	57 P	45 13.90	-1.0			i	54 14.00	
RFI	52.02	55 P	45 01.39	0.1	HVAR	53.86	53 iPc	45 13.70	-1.2			i	54 28.00	
	2.7s	*****nm	7.4mb X	BSD	53.91	38 iPc	45 15.00	-0.1				i	54 49.00	
TRI	52.02	50 Pc	45 00.70	-0.6		1.2s	145.00nm	5.9mb				iScS	55 42.00	
GIB	52.10	60 P	45 01.20	-1.0	ORI	53.91	57 P	45 15.90	0.5			i	56 19.00	
VOY	52.14	49 iPc	45 01.00	-1.3	VKA	53.95	47 iPc	45 14.60	-0.9			LR	09 53.00	
CLL	52.15	43 iPc	45 01.60	-0.6		3.8s	3119.00nm	6.7mb X		LRM	57.59	310 iPd	45 41.90	
	2.3s	705.00nm	6.2mb		Z 16s	20.30um	6.3MsZ		FNA	57.62	56 ePc	45 42.08	-0.2	
	Z 20s	46.50um	6.5MsZ				i	46 49.50	UZH	57.94	46 iPc	45 45.00	0.8	
		i	45 14.80				i	52 50.80				iS	53 45.00	
		iS	52 29.00				LR	09 00.00	KZN	57.96	56 eP	45 44.40	-0.3	
KHC	52.22	45 iPc	45 02.20	-0.6	KSP	54.15	44 iPc	45 16.50	-0.5	CEI	58.05	48 eP	45 46.00	1.0
	1.5s	223.00nm	5.9mb			1.5s	265.00nm	6.0mb	DUG	58.21	304 P	45 46.60	0.1	
	Z 16s	21.60um	6.3MsZ		HFS	54.36	32 eP	45 17.70	-0.7	GZR	58.35	50 iPd	45 46.50	-0.8
	N 18s	10.10um				0.8s	143.80nm	6.1mb	GRG	58.38	55 iPc	45 47.42	-0.1	
	E 16s	8.50um			Z 19s	41.17um	6.5MsZ		RTRS	58.41	205 ePc	45 42.60	-5.0X	
		e	45 20.50				LR	01 24.00	VAY	58.48	55 iPc	45 47.60	-0.5	
		eS	52 30.00		BRT	54.46	56 P	45 17.30	-2.1	AGG	58.52	58 ePc	45 48.50	0.0
DUI	52.38	55 Pc	45 04.20	0.0	DAG	54.64	7 iPd	45 21.00	0.8	LIT	58.53	56 ePc	45 47.98	-0.6
GLD	52.41	303 ePd	45 05.00	0.4		1.2s	98.44nm	5.7mb	KNT	58.74	55 ePd	45 50.00	0.0	
	Z 20s	40.00um	6.5MsZ		Z 17s	19.05um	6.2MsZ		BMR	58.76	48 ePc	45 53.00	3.0X	
		e	45 13.00		LCI	55.05	56 P	45 23.04	-0.7	TRO	59.03	22 iPd	45 51.40	-0.2
BRN	52.45	41 iPc	45 04.80	0.4	SRO	55.26	47 iP	45 24.40	-0.8	RTLL	59.09	203 ePd	45 51.60	-0.8
KMR	52.47	47 iP+	45 04.30	-0.4			i	45 37.90		SOH	59.11	55 ePc	45 52.74	0.1
		i	52 32.40		HCY	55.38	54 iPc	45 25.53	-0.6	SRS	59.26	55 ePc	45 53.60	0.0
CEY	52.49	50 iPc	45 04.50	-0.4	BRY	55.40	53 iPc	45 25.52	-0.9	VLI	59.29	60 eP	45 54.10	0.3
		eS	45 35.40		UZD	55.41	49 iP	45 20.00	-6.3X	RTCB	59.35	203 ePc	45 53.70	-0.6
GOL	52.53	303 ePd	45 05.30	-0.3	PV09	55.51	301 ePd	45 27.60	0.1	TNR	59.39	50 ePc	45 52.00	-2.4
	1.2s	108.61nm	5.7mb				e	45 36.30	PAIG	59.46	56 ePc	45 54.52	-0.4	
		i	45 12.60				e	46 58.90	LPA	59.56	192 iP+	45 58.60	3.0X	
LJU	52.58	49 iPc	45 05.10	-0.4	BW06	55.60	307 iPd	45 26.80	-1.2		Z 19s	40.28um	6.6MsZ	
	2.0s	4700.00nm	7.1mb			0.7s	11.70nm	5.0mb X			eS	54 08.00		
		i	45 06.00				e	47 58.00	YKA	59.62	330 eP	45 53.80	-1.9	
		eS	52 35.00		BDV	55.62	54 iPc	45 27.82	-0.1		1.1s	95.60nm	5.8mb	
MNO	52.64	60 P	45 06.30	0.0	BUD	55.73	48 eP	45 27.70	-0.9	OUR	59.64	56 ePc	45 56.24	0.0
COP	52.64	37 iPc+	45 05.60	-0.2	NKY	55.73	53 iPc	45 28.48	-0.3	NUR	59.79	33 iP	45 55.50	-1.4
	0.9s	178.15nm	6.0mb	TTG	55.94	54 iPc	45 30.10	0.0		0.7s	37.40nm	5.6mb		
	Z 21s	21.51um	6.2MsZ				iS	53 20.80	Z 24s	38.50um	6.5MsZ			
		e	45 21.00		ULC	55.95	54 iPc	45 29.87	-0.4		e	54 06.00		
		iS	52 33.00		PLE	56.01	53 iPc	45 30.53	-0.2		e	55 52.00		
		i	52 39.00		UPP	56.22	33 iPc	45 30.70	-1.2		e	58 08.00		
		i	55 01.00			2.3s	900.00nm	6.4mb			LR	06 12.00		
BRG	52.68	43 iPc	45 05.80	-0.3			i	45 43.70	CMP	59.95	50 iPc	45 59.00	0.7	
	2.3s	800.00nm	6.2mb	LACI	56.31	55 iPc	45 33.00	0.2	MLR	60.57	50 iPc	46 02.00	-0.7	
	Z 20s	47.50um	6.5MsZ	PSZ	56.33	47 iP	45 32.00	-1.0	MDZ	60.63	203 i(P)	46 03.20	0.2	
	N 18s	7.00um		IYA	56.39	53 iPc	45 33.47	0.0	NEW	60.67	313 iPd	46 02.50	-0.7	
	E 18s	27.00um		KRA	56.42	45 iPc	45 33.20	-0.3		0.9s	425.44nm	6.6mb		
		i	45 18.40			1.1s	186.00nm	6.0mb	KAF	60.71	31 iP	46 02.20	-1.0	
		iS	45 25.60			Z 18s	15.50um	6.1MsZ	RDO	60.72	55 eP	46 03.40	-0.2	
		eP*P*	15 20.00			E 18s	15.50um		KBS	60.72	11 eP	46 06.00	2.9	
PZI	52.86	61 P	45 08.14	0.3			i	45 46.40	PTT	60.76	48 eP	46 03.50	-0.3	
	2.3s	3160.50nm	6.8mb	TIR	56.45	55 iPd	45 34.20	0.4	GLA	60.82	296 eP	46 05.00	0.6	
MEU	52.87	61 P	45 07.40	-0.5	PVY	56.46	54 eP	45 34.15	0.1	VRI	61.08	49 ePc	46 05.00	-1.0
PRU	52.94	44 iPc	45 07.90	-0.2	KEK	56.50	57 eP	45 21.10	-13.2X	JACH	61.08	204 eP	46 06.00	-0.1
	2.6s	1319.40nm	6.4mb	SPC	56.59	46 iP	45 35.00	0.8	SOD	61.37	25 iP	46 06.20	-1.4	
	Z 16s	18.10um	6.2MsZ	SRN	56.65	57 eP	45 35.30	0.1	DPW	61.42	313 P	46 07.60	-0.8	
	N 16s	12.80um		SES	56.67	316 ePd	45 33.30	-2.0	EZN	61.49	56 iP	46 08.50	-0.3	
	E 15s	11.90um			1.8s	943.00nm	6.5mb		PEL	61.53	204 iPc	46 08.10	-1.0	
		e	45 34.00				pP	45 41.00		1.5s	333.33nm	6.3mb		
		e	46 55.00		PHP	56.85	55 iPc	45 36.40	-0.3	PRK	61.53	57 eP	46 09.10	0.0
		iS	52 41.10		IGT	56.93	57 iPd	45 37.48	0.2	IAS	61.54	48 eP	46 08.00	-1.1
SGO	53.03	56 Pc	45 08.60	-0.3	DAU	57.00	304 P	45 38.00	-0.2	TPC	61.63	297 ePg	46 11.00	1.0
VBV	53.06	50 iPc	45 08.70	-0.4	OHR	57.16	55 iPc	45 39.20	0.2	NPS	61.66	62 eP	46 10.30	0.2
		i	45 10.50			2.5s	1465.00nm	6.6mb	PPE	61.67	49 eP	46 11.50	1.5	
		i	45 21.90				i	45 53.50	IHA	61.79	205 eP	46 10.00	-0.8	
MGR	53.22	57 Pc	45 09.70	-0.7	TIM	57.25	50 iPc	45 41.00	1.6	KEV	61.82	22 iPc	46 09.69	-0.9
NB2	53.44	30 P	45 07.80	-3.9X	VLS	57.26	59 eP	45 39.60	-0.1		1.0s	256.00nm	6.4mb	
	1.0s	117.00nm	5.8mb				i	45 53.50	Z 24s	22.80um	6.3MsZ			
GMB	53.54	59 P	45 10.64	-2.3			iS	54 35.10			esPd	46 15.07		
	0.1s	53.60nm	6.5mb								iS	54 35.10		

		iSS	58 30.57	E	20s	55.20um	TTA	77.96 334 P	47 50.20	0.9
TNP	61.88 302 iPd	LR	07 12.00			eS	SVW	78.68 332 iPd	47 52.50	-0.7
	1.0s 67.50nm	ePcP	46 10.80 -1.0			eScS		1.3s 339.62nm		6.2mb
		eP	46 56.40			eSS		e	48 00.80	
PCH	61.89 204 iP	eP	46 11.10 -0.5	BRK	65.83 302 ePd	eLQ	PDB	78.68 331 P	47 53.00	-0.2
GSC	62.02 299 iPd	eP	46 13.00 0.4	Z	20s 66.00um	iS	KER	78.91 57 iPc	47 56.20	1.0
MFT	62.08 55 eP	eP	46 12.10 -0.8			eLR	BISH	80.40 72 iPc	48 05.50	2.2
TLB	62.13 51 eP	eP	46 12.00 -1.1			iS	ANM	80.58 338 eP	48 04.30	0.9
KGT	62.14 55 eP	eP	46 12.60 -0.6	PCC	66.00 302 eP	eLR	IR7	81.07 55 iPc	48 07.50	0.8
CFR	62.15 50 eP	eP	46 11.00 -2.2	OBN	66.32 38 iPc+	eP	AAE	81.08 84 eP	48 10.00	2.7
PNT	62.24 315 iPd	eP	46 13.60 -0.2		2.0s 1200.00nm	eP	IRS	81.24 55 eP	48 08.50	0.9
	1.6s 630.00nm		6.6mb	Z	22s 63.30um		IR1	81.24 55 iPc	48 09.00	1.4
KVN	62.40 303 P	eP	46 15.20 -0.1	N	20s 30.30um		IRA	81.47 55 iPc	48 10.00	1.2
BAR	62.42 296 eP	eP	46 15.00 -0.2	E	20s 40.20um		KMSA	81.91 71 iPc	48 13.00	1.8
IZM	62.43 58 iP	eP	46 15.70 0.4			i	RVD	82.07 67 iPc	48 14.00	2.0
PLM	62.44 296 eP	eP	46 16.00 0.5			i		iS	58 36.00	
CLC	62.56 299 iPd	eP	46 16.00 -0.2			iPcP	NAI	83.34 94 iP+	48 22.00	3.1X
PEC	62.58 297 ePd	eP	46 16.20 -0.1			i		PP	51 26.00	
EDC	62.58 56 iP	eP	46 15.50 -0.7			ePP		PPP	53 18.00	
PUL	62.59 34 eP	eP	46 15.00 -0.9			ePPP		e	58 50.00	
		eS	54 45.00			ePcS		SS	18 04.00	
BNT	62.62 56 iP	eP	46 15.50 -0.9			ePSP	KRI	LR	25 36.00	
RVR	62.73 297 eP	eP	46 17.00 -0.2			iS		iPc	48 21.00	1.2
BONR	62.74 302 P	eP	46 17.40 -0.2			iScS	ARO	iPP	51 32.00	
CTT	62.88 55 iP	eP	46 16.60 -1.5			iSS	SDN	83.83 80 ePd	48 21.20	0.1
SBB	62.96 298 ePd	eP	46 19.00 0.2			iSSS	Z	83.87 329 P	48 21.80	1.3
MWC	63.24 298 eP	eP	46 21.00 0.2	SIM	66.36 50 ePc		BUL	20s 25.00um		6.6msz
DST	63.28 56 iP	eP	46 19.80 -1.0		66.54 306 ePd	eP		84.24 115 iPc	48 24.00	0.8
MBC	63.28 345 ePd	eP	46 20.30 0.1	FHC		eS	DHR	84.39 64 iPc	48 26.00	2.3
	1.0s 147.00nm		6.1mb			i		iS	58 52.00	
ISA	63.29 299 ePd	eP	46 22.00 1.0	FOX	66.60 305 eP	eP	TIK	84.77 2 eP	48 26.00	1.3
ITU	63.33 55 iPc	eP	46 20.00 -1.0			i		eS	58 57.00	
PAS	63.35 298 ePc	eP	46 20.65 -0.7	KAS	66.80 54 iPc	eP	MTD	85.23 111 iPc	48 29.40	1.3
		ePpd	46 24.04 11kmx	PPCY	67.14 61 eP	eP		iPP	51 46.00	
ISK	63.37 55 eP	eP	46 20.00 -1.3	INK	67.48 336 ePd	eP	BLF	86.58 124 eP	48 34.50	-0.2
VGB	63.43 310 P	eP	46 22.00 0.2		1.1s 179.00nm			1.0s 20.00nm		5.3mb
YER	63.45 59 eP	eP	46 16.00 -6.0X	HLW	67.57 66 eP+	eP	SLR	86.59 120 iPd	48 34.80	0.0
ARG	63.50 60 eP	eP	46 21.10 -1.1			pP		1.0s 80.00nm		5.9mb
CIS	63.69 297 eP	eP	46 33.60 10.0X			ePP	Z	20s 19.15um		6.5msz
GBZT	63.70 55 iPc	eP	46 22.50 -1.0			ePPP	MAIO	87.34 51 iPc	48 40.00	1.7
HRT	63.86 55 iP	eP	46 23.70 -1.0			eS		eS		
APA	63.96 25 iPc	eP	46 24.80 0.0	CSS	67.91 60 eP	eP	JOZ	90.39 120 eP	48 45.00	-7.6X
LON	63.98 312 P	eP	46 23.80 -1.6	KOT	67.96 66 eP	eP		1.0s 30.00nm		5.5mb
FRI	64.02 301 iPd	eP	46 24.99 -0.7	FAM	68.43 60 eP	eP	YAK	94.42 2 iPc	49 11.30	0.6
		eP*P*	15 24.70	KVT	68.55 53 eP	eP		ePP	53 03.00	
ABL	64.05 299 P	eP	46 26.60 0.4	ADI	69.91 62 iPc	eP		ePSP	54 10.00	
KHL	64.19 58 iP	eP	46 26.40 -0.5	BHL	70.03 61 P	eP		eS	59 49.00	
EYL	64.27 55 iP	eP	46 26.90 -0.5			S		eSKS	59 50.00	
CMB	64.34 302 ePd	eP	46 27.44 -0.5	MML	70.24 62 iPc	eP		ePS	01 56.00	
		ePpd	46 30.34 9kmx	SIT	70.36 325 P	eP		eSS	06 42.00	
		eLR	09 42.00	AGMR	70.41 72 iPc	eP		eSSS	11 08.00	
		eP*P*	15 25.70	ASW	70.55 72 iPc	eP	QUE	95.78 54 iPc	49 16.50	-1.3
MCW	64.41 314 P	eP	46 26.60 -1.5			eS		e(S)	00 33.50	
ALT	64.51 57 iP	eP	46 29.00 0.0	MBH	70.55 65 iPc	eP	SMY	96.43 337 P	49 25.00	5.0X
PKEM	64.52 300 P	eP	46 29.10 0.1	ANAL	70.57 72 iPc	eP	Z	20s 16.00um		6.5msz
SBC	64.53 298 ePd	eP	46 29.52 0.4	SALJ	70.58 63 Pc	eP	KSH	96.62 42 Pc	49 24.00	2.6
		ePpd	46 32.41 9kmx	BURJ	70.61 63 P	eP	N	18s 11.00um		
		iS	55 15.89	AMAN	70.63 72 iPc	eP	E	17s 24.00um		
		eScS	56 27.40	MKRJ	70.67 63 Pc	eP		sP	49 35.00	
BCH	64.68 299 P	eP	46 30.00 -0.2	MASJ	70.69 63 Pc	eP	IRK	99.77 18 eP	49 33.00	-2.3
SYF	64.73 298 eP	eP	46 31.00 0.4	JARJ	70.73 63 Pc	eP	WMO	100.15 32 ePd	49 38.50	1.4
PHAM	64.79 300 P	eP	46 30.30 -0.5	AKSR	70.80 72 iPc	eP		5.0s 300.00nm		6.1mb X
ELL	64.80 59 iP	eP	46 31.00 0.0	HQL	70.84 66 iPc	eP	N	16s 12.70um		
PGC	64.82 314 eP	eP	46 23.00 -7.7X	QTRJ	71.05 63 P	eP			00 16.00	
	1.4s 333.00nm		6.3mb	MDSJ	71.15 63 Pc	eP		S	01 16.00	
MIN	64.85 305 ePd	eP	46 30.97 -0.3	CSTJ	71.64 63 P	eP		SS	08 11.00	
LBFM	64.88 306 P	eP	46 31.40 -0.1	SHBJ	72.03 62 P	eP	PET	100.73 346 ePd	49 52.00	12.7X
ORV	64.91 304 eP	eP	46 31.47 0.0	BALM	72.79 330 iPd	eP	YSS	109.17 354 ePKP	54 10.00	-11.2X
		i	46 39.30	COL	73.83 334 iPd	eP	GKN	109.49 46 PKP	54 33.56	10.9X
PRI	64.94 300 eP	eP	46 32.37 0.5			ePpd	KKN	110.05 46 PKP	54 34.32	10.5X
		eP*P*	15 20.80	F8A	73.83 334 iPd	eP	DMN	110.06 46 PKP	54 33.32	9.5X
BCK	65.19 58 iP	eP	46 33.30 -0.1		0.8s 144.83nm		PKI	110.28 46 PKP	54 33.92	9.6X
LTCM	65.26 305 P	eP	46 33.40 -0.3	KLU	74.27 331 P	eP	GUN	110.36 45 PKP	54 36.34	11.8X
COR	65.34 310 ePd	eP	46 34.23 0.1	IMA	75.61 336 P	eP	CN2	112.24 7 ePKP	54 27.00	-0.1
		ePpd	46 37.30 10kmx	PMR	75.65 331 iPd	eP	Z	20s 17.00um		6.6msz
		eS	55 23.37		1.2s 272.73nm		N	17s 5.70um		
		e	56 03.10	Z	20s 38.00um		E	17s 2.80um		
ARN	65.37 302 P	eP	46 35.40 0.9			e	LSA	112.38 40 ePKP	54 30.80	2.4X
PRS	65.46 301 ePd	eP	46 35.57 0.5			ePP		PP	55 13.00	
		i	46 43.27	WIN	76.20 122 eP	eP		SS	10 52.00	
WDC	65.50 305 ePd	eP	46 33.53 -1.7		1.0s 100.00nm		BJI	114.23 15 ePKP	54 33.00	1.9
		eP*P*	15 20.30	SLKM	76.58 331 eP	eP		ePP	55 24.00	
BKS	65.81 302 eP	eP	46 37.70 0.4			e	TIY	115.38 19 ePKP	54 35.00	1.5
	1.5s 273.00nm		6.2mb	TAB	77.01 54 eP	eP	Z	18s 17.80um		6.7msz
	20s 41.80um		6.6msz	RSO	77.73 331 eP	eP	N	16s 9.07um		
Z						ePP		PP	55 35.00	
N	20s 27.60um									

10d 17h

XAN	117.53	24	ePKP	54	37.00	-0.6
N	18s	11.10um				
E	19s	7.60um				
TIA	118.09	16	ePKP	54	39.30	0.7
Z	17s	9.70um				6.5MsZx
N	16s	5.20um				
E	16s	5.60um				
		PP		55	52.00	
CD2	118.10	30	ePKP	54	38.20	-0.6
Z	20s	12.30um				6.5MsZ
E	17s	3.87um				
		ePP		55	53.00	
KMI	122.40	35	ePKP	54	45.00	-2.4X
Z	24s	11.50um				6.4MsZx
		PP		56	22.50	
NJ2	122.48	16	PKPd	54	48.00	1.0
Z	18s	7.60um				6.4MsZ
N	18s	5.10um				
E	18s	5.80um				
		PP		56	20.00	
WHN	122.60	21	ePKP	54	47.50	0.2
Z	26s	6.50um				6.2MsZx
N	19s	8.30um				
E	16s	4.70um				
		iSS		13	08.00	
GYA	123.21	30	PKP	54	49.00	0.2
Z	40s	4.60um				5.8MsZx
N	20s	4.70um				
E	20s	4.20um				
		PP		56	26.00	
SBA	123.78	188	PKP	54	50.20	1.9
		(S)		13	31.20	
SSE	123.95	14	PKP	54	52.20	2.3X
Z	20s	13.80um				6.6MsZ
N	18s	6.90um				
E	18s	7.20um				
		PP		56	32.00	
		iSS		13	20.00	
CHG	125.20	43	ePKP	54	39.30	-13.4X
		e		56	39.40	
IPM	136.79	54	ePKPc	55	21.10	6.1X
CVP	136.92	18	ePKP	55	17.00	2.0
BAG	137.77	20	ePKP	55	16.00	-0.9
		e		58	08.90	
OCP	139.59	20	ePKP	55	30.00	10.0X
KGM	140.20	54	ePKP	55	23.50	2.3X
PPR	143.21	27	iPKPd	55	24.00	-2.4X
THZ	143.52	231	PKP	55	23.20	-3.1X
MAP	144.55	18	ePKP	55	29.00	0.3
MHZ	144.78	224	PKP	55	27.70	-0.7
TLC	144.86	224	PKP	55	27.50	-1.1
KKM	145.34	34	ePKPd	55	30.60	0.4
	1.1s	86.90nm				
MSZ	145.82	224	PKP	55	30.50	0.5
CGP	146.53	18	ePKPd	55	34.00	2.0
	1.2s	117.00nm				
TSM	147.83	32	ePKPc	55	38.50	4.4X
DZM	150.68	267	iPKPc	55	42.10	3.7X
SVO	151.88	297	PKP	55	51.00	10.7X
HNR	151.93	296	ePKP	55	50.00	9.6X
TRT	153.54	56	ePKPd	55	44.10	1.4
TAU	158.21	206	ePKP	55	50.00	2.1X
BRS	163.24	254	e(PKP)	55	57.00	3.3X
TOO	163.39	212	e(PKP)	55	55.00	1.5
		e		56	41.00	
RMO	166.92	255	ePKP	55	59.00	2.1X
		e		01	11.50	
ADE	168.29	197	ePKP	56	00.40	2.8X
STK	169.84	216	ePKP	56	01.30	2.8X
	1.1s	3.50nm				
OIS	174.39	304	ePKP	56	04.00	3.2X
WRA	176.18	4	PKP	56	02.00	0.8
	1.1s	4.70nm				
WB2	176.18	4	ePKP	56	04.20	3.0X
	0.9s	6.20nm</				

MTN	5.94	154	iPd	39	25.50	
KNA	8.23	178	eP	38	31.20	0.3
	0.3 s			39	01.70	-0.1
		37.00nm				5.6mb
			eS	40	25.00	
W82	13.64	156	iPc	40	10.40	-2.5
	0.2 s	42.00nm				5.5mb
			iS	40	17.70	
MBL	15.96	211	eP	40	43.00	1.0
			eS	43	30.00	
QIS	16.89	141	eP	40	52.00	-1.4
			iS	43	49.40	
ASPA	16.92	163	iPc	40	54.30	0.5
	0.6 s	76.10nm				5.2mb
			eS	43	53.80	
KDB	18.59	97	eP	41	15.00	2.0
WARB	18.68	185	eP	41	14.40	0.3
	0.4 s	6.00nm				4.3mb
NANU	19.50	218	iPd	41	20.90	-1.6
FORR	23.26	181	eP	42	00.00	0.3
QLP	24.20	144	eP	42	09.00	0.2
			eS	46	46.00	
COOL	24.28	195	eP	42	09.20	-0.3
MRWA	24.61	207	eP	42	13.50	0.8
RMO	27.01	137	eP	42	35.00	0.3
STK	27.19	155	iPc	42	35.60	-0.6
	0.5 s	13.10nm				4.8mb
			eS	47	53.00	
CMS	28.86	148	eP	42	51.00	-0.3
BFD	32.22	159	iPd	43	20.00	0.1
TOO	33.71	155	iPd	43	35.30	1.7
	0.6 s	16.00nm				4.9mb
LZH	49.13	333	eP	45	38.00	-1.4
	1.4 s	27.00nm				4.8mb
CNCB	150.89	146	PKP	56	43.00	6.1X
ZOBO	151.25	145	PKP	56	41.00	3.5X
	S.D. = 1.2 on 20 of			22 obs.		
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? JUN 10, 1991	18h	31m	50.68± 3.69s			
39.127 N ±24.5km		23.655 E ±22.2km				
DEPTH = 10.0km	(geophysicist)					
AEGEAN SEA						(365)
PAIG	0.80	1	eP	32	06.00	-0.2
			eS	32	18.72	
AGG	1.04	265	ePc	32	10.24	0.0
			eS	32	25.52	
OUR	1.23	12	ePc	32	13.56	0.0
LIT	1.33	318	ePd	32	15.12	0.0
KNT	2.11	344	iPc	32	26.80	0.3
	S.D. = 0.2 on 5 of			5 obs.		
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JUN 10, 1991	19h	42m	04.31± 0.55s			
38.172 N ± 4.9km		23.374 E ± 6.7km				
DEPTH = 10.0km	(geophysicist)					
GREECE						(364)
MD 3.1 (ATH).						
ATH	0.34	126	ePg	42	12.10	0.9
AGG	1.18	316	ePc	42	25.92	-0.4
			eS	42	42.64	
VLI	1.49	194	ePb	42	30.00	-1.1
PAIG	1.77	8	iPc	42	34.44	-0.7
			iS	42	56.02	
LIT	2.05	341	iPc	42	38.50	-0.7
			eS	43	03.52	
VLS	2.19	271	ePg	42	42.00	0.7
OUR	2.21	12	iPc	42	40.74	-0.8
KZN	2.47	330	ePn	42	45.00	-0.3
THE	2.48	353	ePc	42	46.64	1.3
PRK	2.51	64	ePb	42	52.90	7.1X
SOH	2.65	360	ePc	42	48.20	0.4
			iS	43	17.48	
GRG	2.88	345	ePc	42	51.36	0.2
SRS	2.95	3	ePc	42	51.76	-0.3

ARV	0.31	213	Pd	54	13.90	0.2					
			eSg	54	19.10						
RSM	0.55	288	P	54	19.00	0.5					
			eSg	54	28.30						
ASS	0.78	209	Pd	54	22.30	-0.3					
			eSg	54	34.80						
CRE	0.90	262	P	54	24.50	-0.1					
			eSg	54	39.00						
SFI	0.97	280	P	54	26.20	0.5					
			eSg	54	40.80						
RIY	1.81	28	iPnc	54	38.80	0.1					
BDI	1.89	280	P	54	39.30	-0.7					
PII	1.92	270	P	54	39.80	-0.5					
TRI	2.00	12	P	54	40.90	-0.6					
SDI	2.10	167	P	54	43.40	0.3					
VBV	2.30	40	eP	54	53.00	7.2X					
			eSn	55	23.50						
CTI	2.54	335	P	54	48.60	-0.7					
FVI	2.85	355	P	54	53.70	0.1					
PTJ	2.92	42	eP	55	03.10	8.4X					
WTTA	3.67	343	iPnc	55	06.60	1.1					
			iSn	55	50.30						
S.D. = 0.6 on 13 of 15 obs.											
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? JUN 10, 1991	19h	58m	17.05± 9.80s								
40.014 N ±41.9km		24.060 E ±70.0km									
DEPTH = 10.0km	(geophysicist)										
AEGEAN SEA						(365)					
PAIG	0.31	254	ePd	58	23.26	-0.1					
			eS	58	28.26						
OUR	0.33	349	eP	58	23.38	-0.4					
			eS	58	26.22						
SOH	0.97	326	ePc	58	35.58	0.1					
			eS	58	49.82						
SRS	1.16	342	ePd	58	38.86	0.2					
			eS	58	52.66						
KNT	1.45	323	ePc	58	43.50	0.2					
S.D. = 0.4 on 5 of 5 obs.											
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% JUN 10, 1991	20h	01m	41.23± 0.65s								
38.621 N ±5.2km		27.367 E ± 9.0km									
DEPTH = 10.0km	(geophysicist)										
TURKEY						(366)					
MD 3.4 (ISK).											
IZM	0.24	200	iPg	01	45.90	-0.4					
			eSg	01	49.00						
DST	1.39	45	iPn	02	06.20	-0.5					
EZN	1.45	326	iPn	02	09.10	1.6					
YER	1.65	154	ePn	02	10.10	-0.3					
KHL	1.72	99	ePn	02	12.40	1.0					
EDC	1.77	12	ePn	02	11.00	-1.0					
BNT	1.78	14	iPn	02	11.50	-0.8					
KGT	1.83	358	ePn	02	13.10	0.2					
MFT	2.16	358	ePn	02	17.00	-0.9					
CTT	2.65	18	ePn	02	25.00	0.2					
HRT	2.82	38	ePn	02	28.00	0.7					
S.D. = 1.0 on 11 of 11 obs.											
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* JUN 10, 1991	20h	19m	18.84± 0.43s								
17.813 S ±12.6km		174.232 W ±10.6km									
DEPTH = 90.3km	(2 depth phases)										
4.5mb (8 obs.)											
TONGA ISLANDS						(173)					
DZM	18.65	254	iPc	23	33.90	1.3					
MNG	24.40	199	eP	24	29						

TNP	77.14	43 eP	31 04.80	0.3	VAO	40.57 161 (P)	38 49.00	-0.1	RDN	0.77 308 ePc	58 08.66	
	0.7s	2.11nm		4.1mb		S.D. = 0.6 on 9 of 9 obs				eS	57 58.01	-0.9
ALO	82.95	50 eP	31 28.70	91km					RDW	0.77 305 iPc	58 09.13	
ANMO	82.96	50 eP	31 34.90	-0.6		* JUN 10, 1991 20h 48m 07.93± 1.01s				eS	57 58.17	-0.8
	1.3s	4.33nm		4.2mb		21.101 S ± 0.6km 68.920 W ± 0.1km			DFR	0.79 314 iPc	57 09.45	
BW06	84.59	42 e(P)	31 43.70	0.0		DEPTH = 145.6 ± 9.7 km				eS	57 58.33	-0.9
	1.0s	2.50nm		4.1mb		4.4mb (5 obs.)			SLKM	0.80 54 ePc	57 58.25	-1.0
FBA	84.90	11 e(P)	31 45.20	0.8		CHILE-BOLIVIA BORDER REGIDN (124)			NCT	0.87 307 iPc	57 59.40	-0.8
	0.8s	3.20nm		4.3mb	CNCB	4.36 12 iPc	49 15.20	1.1		eS	58 11.42	
SES	87.63	35 eP	31 57.00	-1.1	CCH	4.53 36 Pc	49 16.40	0.2	SEW	1.05 86 ePc	58 02.38	-0.2
WTS	145.88	359 ePKP	38 50.50	2.1X	LPB	4.61 10 P	49 17.00	-0.3	AUE	1.16 234 ePc	58 03.40	-0.8
	0.9s	14.00nm				1.0s 310.00nm			AUH	1.18 236 ePc	58 04.03	-0.6
KSP	145.99	348 iPKPc	38 51.10	2.5X		i	49 18.50		AUI	1.20 234 eP	58 03.94	-0.8
		e	39 14.30		SLA	4.80 139 ePd	49 19.90	0.3		S	58 19.13	
CLL	146.09	352 ePKP	38 50.00	1.2	ZOBO	4.86 9 P	49 21.00	0.1	CKL	1.22 341 ePd	58 04.46	-0.7
	1.2s	39.00nm			ARE	5.22 332 iPd	49 22.50	-2.9X	CRP	1.26 346 eP	58 05.40	-0.4
BRG	146.38	351 iPKP	38 51.00	2.5X		iS	50 18.00		CGLM	1.29 350 eP	58 05.72	-0.4
	1.4s	12.00nm			SIV	9.01 57 iPc	50 11.20	-4.9X		eS	58 21.76	
MOX	146.91	353 ePKP	38 53.00	3.7X	NNA	11.82 319 eP	50 52.00	-1.1	BGL	1.29 341 eP	58 05.82	-0.4
	1.3s	18.00nm				0.6s 5.33nm		4.3mb	NCG	1.40 348 ePd	58 07.30	-0.4
PRU	147.13	350 PKPc	38 54.00	3.5X	PPD	16.41 96 eP	51 50.70	-0.5	SUA	1.48 15 eP	58 08.62	-0.2
KHC	148.13	350 PKP	38 57.00	4.8X		e	51 52.20		SYI	1.50 197 eP	58 08.25	-0.8
FLN	148.71	8 ePKP	38 57.00	4.7X	VAO	20.43 99 eP	52 34.40	-1.3	PMS	1.55 38 ePc	58 09.69	0.0
	0.8s	12.10nm				e	52 35.50		CDD	1.55 225 ePc	58 08.85	-0.9
LDF	148.93	8 ePKP	38 58.20	4.8X	SOB1	29.46 71 eP	53 59.70	-0.6	MCNL	1.66 240 eP	58 10.05	-1.3
	1.0s	18.00nm				i	54 01.00		LTi	1.85 89 ePc	58 12.36	-1.6
GRR	149.03	9 ePKP	38 58.00	5.2X	ANMO	66.16 327 eP	58 42.20	0.2	KNIM	1.92 79 ePc	58 12.61	-2.4
	0.8s	8.05nm				0.7s 1.03nm		3.9mb	SKT	1.94 0 eP	58 15.31	0.0
LPF	149.35	9 ePKP	38 59.60	5.6X	KIC	68.60 74 Pc	58 58.30	0.8	KNK	2.04 46 eP	58 15.06	-0.9
	1.0s	16.00nm			SPA	69 03 186 eP	59 00.00	0.5	GHO	2.15 35 eP	58 10.88	0.6
CDF	149.46	358 ePKP	39 00.20	5.8X		1.0s 25.00nm		5.0mb	GLI	2.35 67 eP	58 18.36	-2.8
	0.8s	8.05nm			LKO	69.24 70 Pc	59 02.12	0.7	KLU	3.11 60 iPc	58 29.97	-2.1
HAU	149.88	359 ePKP	39 01.10	6.2X		0.6s 12.00nm		4.9mb		35 obs. associated		
	0.8s	8.05nm			SCH	75.63 1 eP	59 42.00	3.9X	% JUN 10, 1991 21h 07m 13.48± 1.86s			
BSF	150.05	359 ePKP	39 01.30	6.0X	YKA	90.81 341 eP	00 59.90	4.6X	38.577 N ± 6.7km 31.357 E ± 18.7km			
	0.8s	6.70nm				0.5s 0.60nm		4.0mb	DEPTH = 10.0km (geophysicist)			
WTTA	150.23	352 iPKPc	39 01.70	6.0X	TAU	108.09 207 e(PKP)	06 42.00	22.0X	TURKEY (366)			
	0.7s	10.40nm			ASPA	130.26 208 ePKP	07 05.60	2.6X	MD 3.2 (ISK).			
LOR	150.52	3 ePKP	39 02.90	6.9X		1.2s 3.30nm						
	1.2s	13.40nm			WRA	133.29 211 PKP	07 12.00	3.1X	ALT	1.08 297 iPn	07 34.00	0.0
SSF	150.77	3 ePKP	39 03.20	7.0X		0.6s 2.40nm			BCK	1.27 209 iPn	07 37.10	0.0
	1.0s	12.00nm			GBA	147.08 98 PKPd	07 38.00	5.3X	KHL	1.46 261 ePn	07 40.00	0.0
LBF	150.87	3 ePKP	39 03.40	7.0X		0.7s 3.80nm			EYL	2.19 335 iPn	07 50.50	-0.1
	0.8s	8.05nm			MAT	151.82 309 ePKP	07 49.00	8.7X	HRT	2.59 330 ePn	07 56.00	-0.2
MFF	150.88	8 ePKP	39 03.30	6.9X		0.9s 5.04nm			ISK	3.05 325 ePn	08 03.00	0.4
	1.2s	17.85nm			GKN	155.02 69 PKP	08 00.00	14.9X	KGT	3.65 302 ePn	08 11.00	-0.2
AVF	151.03	3 ePKP	39 03.40	6.8X		S.D. = 0.8 on 13 of 23 obs.				S.D. = 0.3 on 7 of 7 obs.		
	0.8s	8.05nm			? JUN 10, 1991 20h 48m 49.65± 3.23s				JUN 10, 1991 21h 30m 11.95± 0.87s			
BGF	151.23	4 ePKP	39 04.00	7.1X		12.998 N ± 26.8km 89.352 W ± 12.9km			29.266 N ± 8.3km 80.201 E ± 5.3km			
	0.8s	6.70nm			DEPTH = 33.0km (normal)				DEPTH = 58.1 ± 10.8 km			
VBY	151.28	346 ePKPc	39 04.00	7.8X	OFF COAST OF CENTRAL AMERICA (76)				4.6mb (11 obs.)			
LSF	151.43	6 ePKP	39 04.20	6.9X	Felt (II) at San Salvador, El				NEPAL-INDIA BORDER REGION (309)			
	0.8s	12.10nm			Solovador.							
TCF	151.45	5 ePKP	39 04.50	7.2X					NDI	2.75 259 iP	30 56.00	2.3
	0.8s	5.35nm			OZA	0.63 33 iPd	49 02.00	-0.1		eS	31 32.00	
MAF	151.55	5 ePKP	39 04.90	7.4X	SJAS	0.69 15 iPd	49 02.00	-0.2	GKN	4.03 107 P	31 12.96	0.2
	0.8s	7.40nm			VSS	0.75 8 iPd	49 04.00	0.1	DMN	4.56 110 P	31 20.52	0.3
OHR	153.43	334 ePKP	39 09.20	8.9X	LFU	0.78 17 iPd	49 04.50	0.2	KKN	4.64 107 P	31 21.18	-0.1
	S.D. = 0.9 on 21 of 46 obs.				TME	1.01 360 iPd	49 07.50	-0.1	PKI	4.82 109 P	31 23.56	-0.5
* JUN 10, 1991 20h 31m 14.18± 1.36s					CUSS	1.07 327 eP	49 08.50	0.0	GUN	5.10 104 P	31 27.68	-0.4
15.564 N ± 8.4km 60.572 W ± 23.7km					VSM	1.13 68 iPc	49 09.50	0.0	LSA	9.48 85 P	32 27.00	-1.9
DEPTH = 66.0 ± 16.9 km						S.D. = 0.2 on 7 of 7 obs.				S	34 10.00	
LEEWARD ISLANDS (92)					& JUN 10, 1991 20h 57m 44.14s				QUE	11.63 278 eP	32 56.50	-1.2
MGG	0.80 296 eP	31 30.04	-0.1		60.045 N 151.535 W					e(S)	35 13.60	
	S	31 40.00			DEPTH = 45.6km				HYB	11.90 188 eP	33 00.00	-1.2
CRM	0.87 202 eP	31 31.77	0.7		KENAI PENINSULA, ALASKA (14)					eS	35 08.50	
	S	31 41.50			<AEIC>. ML 2.6 (AEIC).				POO	12.19 210 eP	33 07.00	1.9
BBL	0.87 267 eP	31 30.65	-0.5						WMO	15.69 20 Pd	33 51.30	0.6
	S	31 41.00			NNL	0.12 91 iPd	57 52.65	2.7		1.0s 40.00nm		4.5mb
DEG	0.88 328 eP	31 31.05	-0.2		BRLK	0.43 130 eP	57 53.91	-0.5	GBA	15.81 190 Pc	33 50.20	-2.1
	S	31 43.20				eS	58 01.81			0.6s 7.00nm		4.0mb
FDF	1.00 214 eP	31 32.50	-0.4		CNPM	0.54 164 iPc	57 54.90	-0.9	MAIO	18.81 297 eP	34 33.00	3.4X
	0.1s 0.37nm					eS	58 03.63		GTA	19.01 53 eP	34 28.40	-3.5X
MVM	1.05 197 eP	31 33.25	-0.2		RDT	0.69 321 ePd	57 56.99	-0.7	GYA	23.48 90 P	35 19.40	2.1
	S	31 44.40				eS	58 07.37		BTO	26.75 57 eP	35 48.00	0.0
BIM	1.15 205 eP	31 34.76	0.1		NKA	0.72 12 ePc	57 59.53	1.5	WHN	29.50 79 eP	36 14.00	1.2
	S	31 46.00			RED	0.72 302 iPc	57 57.45	-0.8	MLR	45.25 306 eP	38 26.00	0.6
PAG	1.16 294 eP	31 35.70	0.8			eS	58 08.32		HFS	53.50 325 eP	39 27.00	-1.3
	S	31 50.10			REF	0.73 308 iPc	57 57.72	-0.7		0.4s 0.90nm		4.2mb
						eS	58 08.19		BSF	58.22 311 eP	40 01.90	-0.6
					RSO	0.74 305 iPc	57 57.00	-0.7		0.6s 3.60nm		4.7mb
						eS	58 08.87		HAU	58.48 311 eP	40 03.80	-0.4
					RS2	0.74 305 iPc	57 57.85	-0.7		0.6s 2.70nm		4.6mb
									LPG	58.67 308 eP	40 05.90	0.0

10d 21h

0.8s 9.40nm 5.0mb
 LPL 58.68 308 eP 40 06.00 0.1
 0.6s 8.10nm 5.0mb
 SSF 60.55 310 eP 40 17.80 -0.6
 0.8s 3.35nm 4.5mb
 AVF 60.72 310 eP 40 18.80 -0.7
 0.6s 2.70nm 4.6mb
 WRA 71.49 127 P 41 29.00 0.4
 0.9s 2.20nm 4.1mb
 WB2 71.49 127 eP 41 29.60 0.9
 0.3s 3.70nm 4.8mb
 S.D. = 1.2 on 25 of 27 obs.

% JUN 10, 1991 21h 48m 53.65± 1.69s
 39.404 N ±11.7km 23.505 E ±11.7km
 DEPTH = 10.0km (geophysicist)

AEGEAN SEA (365)

PAIG 0.54 14 ePd 49 04.96 0.4
 eS 49 13.00
 AGG 0.99 248 ePc 49 12.56 0.1
 eS 49 27.20
 OUR 1.00 21 ePc 49 12.64 0.1
 LIT 1.05 312 ePc 49 13.64 0.2
 THE 1.30 342 ePd 49 17.80 0.2
 SOH 1.42 355 ePd 49 19.56 0.0
 SRS 1.71 2 ePc 49 23.12 -0.6
 GRG 1.77 332 ePd 49 23.85 -0.6
 KNT 1.82 345 ePc 49 25.36 0.2
 S.D. = 0.4 on 9 of 9 obs.

? JUN 10, 1991 22h 09m 35.53± 3.43s
 16.035 N ±35.4km 98.858 W ±11.8km
 DEPTH = 33.0km (normol)

NEAR COAST OF GUERRERO, MEXICO (58)

ACX 1.27 311 iP 09 57.50 0.4
 iS 10 13.00
 VHO 2.28 63 (P) 10 12.00 0.1
 (S) 10 47.00
 OXX 2.30 63 iP 10 11.50 -0.6
 (S) 10 46.00
 III 2.40 346 iP 10 12.50 -1.0
 iS 10 46.00
 IIT 3.02 10 (P) 10 28.50 6.2X
 (S) 11 04.00
 PPM 3.02 4 iP 10 25.50 2.8X
 (S) 11 04.00
 IISM 3.26 25 iP 10 26.50 1.0
 (S) 11 03.00
 CRX 3.44 347 (P) 10 37.00 8.5X
 S.D. = 1.2 on 5 of 8 obs.

? JUN 10, 1991 22h 09m 49.56± 0.90s
 43.917 N ± 8.8km 7.319 E ±10.1km
 DEPTH = 10.0km (geophysicist)

NEAR SOUTH COAST OF FRANCE (379)
 MD 1.0 (STR).

AURF 0.03 168 Pg 09 51.54 -0.1
 TOUF 0.11 332 Pg 09 52.43 -0.1
 Sg 09 54.23
 AUTN 0.11 45 Pg 09 52.75 0.1
 Sg 09 54.53
 MVIF 0.12 260 Pg 09 52.86 0.1
 S.D. = 0.3 on 4 of 4 obs.

JUN 10, 1991 23h 24m 44.59± 0.83s
 44.599 N ± 6.9km 8.582 E ± 6.9km
 DEPTH = 5.0km (geophysicist)

NORTHERN ITALY (545)
 ML 2.5 (LDG), 2.4 (GEN).

PCP 0.06 205 P 24 46.35 0.1
 S 25 48.09
 CKI 0.28 231 P 24 50.00 -0.2
 eSg 24 54.20
 FIN 0.47 215 P 24 53.01 -1.1
 S 25 59.27
 ROB 0.59 239 P 24 55.68 -0.8
 S 25 03.78
 BOB 0.64 75 P 24 56.90 -0.5
 IMI 0.85 216 P 24 59.88 -1.6
 S 25 11.26
 DOI 0.96 265 P 25 02.70 -0.7
 eSg 25 15.50
 STV 0.97 249 P 25 02.77 -0.8

BHB 0.97 285 P 25 03.34 -0.2
 S 25 16.49
 PZZ 1.06 265 P 25 04.50 -0.7
 S 25 18.34
 SBF 1.11 229 Pg 25 06.30 0.5
 Sg 25 20.60
 ORX 1.12 338 P 25 06.23 0.1
 S 25 21.69
 FRF 1.74 234 Pg 25 17.40 1.8
 Sg 25 39.50
 LMR 1.96 231 Pg 25 20.80 2.0
 Sg 25 46.30
 LRG 1.97 235 Pg 25 21.10 2.2
 Sg 25 46.90
 S.D. = 1.2 on 15 of 15 obs.

? JUN 10, 1991 23h 39m 17.66± 2.49s
 18.460 S ±32.6km 69.854 W ±13.5km
 DEPTH = 130.1 ± 19.4 km
 4.3mb (2 obs.)

NORTHERN CHILE (123)

CNCB 2.43 48 iPc 39 58.80 0.8
 ARE 2.53 322 iPc 40 00.50 1.4
 iS 40 28.50
 LPB 2.55 41 P 39 58.00 -1.4
 1.0s 260.00nm
 ZOBO 2.73 37 iPc 40 01.90 -0.1
 CCH 3.69 74 P 40 15.20 0.8
 SIV 8.74 75 P 41 18.00 -4.6X
 NNA 9.32 313 eP 41 28.50 -1.8
 0.4s 5.08nm 4.6mb
 eS 43 08.50
 PPD 17.76 105 eP 43 17.60 -0.7
 e 43 19.60
 KIC 68.75 75 P 50 09.80 -0.1
 YKA 88.04 341 eP 51 55.00 1.1
 0.8s 1.20nm 4.0mb
 S.D. = 1.4 on 9 of 10 obs.

* JUN 10, 1991 23h 55m 35.88± 0.99s
 37.076 N ±10.9km 29.422 E ± 7.5km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 MD 3.2 (ISK).

ELL 0.51 130 iPg 55 45.50 -0.7
 YER 0.91 274 ePn 55 54.60 1.2
 BCK 1.01 67 iPn 55 56.10 1.1
 CIN 1.19 297 eP 55 57.00 -1.0
 KHL 1.25 4 ePn 55 58.50 -0.6
 S.D. = 1.5 on 5 of 5 obs.

* JUN 11, 1991 00h 27m 09.24± 1.03s
 30.350 S ± 6.3km 71.884 W ±12.6km
 DEPTH = 78.0 ± 10.5 km
 4.8mb (3 obs.)

NEAR COAST OF CENTRAL CHILE (135)

RTRS 2.10 86 e(P) 27 43.90 0.9
 IMA 2.68 176 eP 27 49.50 -1.4
 iS 28 29.80
 RTCB 2.88 114 iPd 27 54.90 1.0
 PEL 2.97 160 iPc 27 55.50 0.5
 i 28 02.50
 iS 28 41.00
 RTLL 3.09 109 iPd 27 57.10 0.3
 SAN 3.26 162 eP 28 00.00 0.8
 iS 28 47.50
 TACH 3.39 167 iPd 28 01.20 0.3
 iS 28 49.20
 PCH 3.46 161 eP 28 01.00 -1.0
 iS 28 54.50
 SLA 7.97 47 e(P) 29 02.20 -2.4
 ARE 13.83 2 e(P) 30 33.00 9.6X
 CCH 13.93 23 (P) 30 32.00 7.3X
 CNCB 13.94 16 eP 30 25.00 -0.1
 i 30 27.20
 LPB 14.18 15 P 30 29.00 0.9
 1.0s 40.00nm 4.7mb
 ZOBO 14.43 15 Pc 30 32.30 0.8
 0.9s 50.82nm 4.8mb
 Z 24s 0.18um 4.0mszX
 LR 35 00.00
 SIV 17.39 37 P 31 03.60 -4.7X
 PPD 20.21 71 iPc 31 39.10 -1.1

VAO 23.41 78 eP 31 41.20 -0.1
 e 32 24.00
 BMA 25.91 80 eP 32 35.30 -0.5
 BAO 26.35 62 ePc 32 40.00 0.1
 ANMO 72.66 331 (P) 38 36.50 6.0X
 KIC 73.83 72 P 38 38.20 0.7
 LKO 74.93 69 P 38 44.48 0.6
 0.8s 21.50nm 5.1mb
 S.D. = 1.1 on 18 of 22 obs.

? JUN 11, 1991 00h 42m 23.31± 2.15s
 11.663 S ±21.0km 163.528 E ±32.1km
 DEPTH = 33.0km (normol)
 3.8mb (2 obs.)

SOLOMON ISLANDS (193)

HNR 4.16 302 eP 43 25.00 -1.1
 eS 44 12.00
 SVO 4.42 304 eP 43 29.00 -0.9
 eS 44 19.00
 DZM 10.72 165 iPc 44 56.50 -1.3
 STK 28.52 222 iPd 48 18.70 0.7
 1.0s 1.20nm 3.5mb
 ASPA 30.58 243 eP 48 37.60 1.1
 1.0s 2.80nm 4.0mb
 SSE 58.81 318 eP 52 22.50 1.5
 i 52 43.00
 S.D. = 1.6 on 6 of 6 obs.

JUN 11, 1991 02h 12m 43.28± 0.31s
 40.107 N ± 3.2km 19.839 E ± 2.9km
 DEPTH = 7.8 ± 2.4 km

ALBANIA (391)
 MD 3.3 (ATH), ML 3.2 (TTG).

TPE 0.23 35 iPg 12 46.20 -1.9
 SRN 0.26 151 iPg 12 48.00 -0.6
 KEK 0.40 185 eP 12 50.80 -0.5
 IGT 0.69 146 iPd 12 55.81 -1.3
 eS 13 06.45
 TIR 1.24 1 iPnc 13 07.50 1.0
 OHR 1.24 36 iPn 13 06.00 -0.6
 0.5s 571.00nm
 iSn 13 26.50
 Lg 13 30.90
 LR 13 37.60
 FNA 1.35 60 ePc 13 07.93 -0.5
 eS 13 28.97
 LCI 1.46 280 P 13 09.40 -0.5
 eSg 13 30.30
 KZN 1.49 82 eP 13 10.80 0.3
 LACI 1.53 356 ePn 13 11.80 0.9
 PHP 1.64 16 iPnc 13 12.70 0.2
 ULC 1.91 347 ePn 13 15.50 -0.9
 eSn 13 41.00
 VLS 2.01 163 eP 13 20.00 2.0
 LIT 2.03 89 ePd 13 18.77 0.5
 eS 13 44.41
 GRG 2.13 66 ePc 13 20.62 1.0
 BRT 2.15 292 P 13 22.50 2.5X
 eSg 13 53.50
 AGG 2.21 119 iPd 13 21.89 1.1
 eS 13 49.81
 SKO 2.22 32 ePn 13 21.30 0.3
 1.0s 149.00nm
 e 13 23.00
 i 13 30.60
 i 13 49.80
 iSg 13 52.20
 i 13 54.50
 Lg 13 59.40
 BDV 2.30 341 ePn 13 21.10 -1.1
 eSn 13 50.00
 TTG 2.36 350 ePn 13 22.20 -0.7
 eSn 13 53.60
 VAY 2.40 59 iPn 13 23.30 -0.3
 THE 2.44 77 iPd 13 24.81 0.7
 PVY 2.49 2 ePn 13 25.00 0.2
 eSn 13 57.00
 KNT 2.55 65 ePc 13 26.41 0.7
 TDS 2.73 262 P 13 29.30 1.1
 SOH 2.77 74 ePc 13 28.66 -0.3
 PAIG 2.95 92 ePd 13 30.58 -0.8
 SRS 3.03 69 ePc 13 32.62 0.2
 iS 14 11.62
 OUR 3.18 85 ePc 13 34.41 -0.1

MGR 3.29 272 P 13 36.50 0.4
 SGO 3.49 279 P 13 39.10 0.1
 ATN 3.92 242 P 13 44.10 -1.0
 VLI 4.17 143 eP 13 47.30 -1.3
 DUI 4.36 293 P 13 52.50 1.0
 SDI 4.84 291 P 13 59.70 1.5
 ASS 6.14 301 P 14 16.00 -0.6
 ARV 6.17 306 P 14 15.00 -1.9

S.D. = 1.0 on 36 of 37 obs.

& JUN 11, 1991 02h 21m 26.45s
 61.671 N 150.784 W
 DEPTH = 58.0km
 SOUTHERN ALASKA (2)
 <AEIC>

SUA 0 21 175 iPd 21 36.15 0.2
 eS 21 43.73
 PWA 0.43 92 iPc 21 37.54 -0.1
 eS 21 46.63
 SKT 0.47 312 ePc 21 37.13 -0.9
 eS 21 46.29
 CGLM 0.69 239 iPd 21 40.22 -0.5
 eS 21 51.29
 NCG 0.71 248 iPd 21 40.06 -0.9
 eS 21 51.58
 PMS 0.73 126 iPc 21 40.45 -0.6
 eS 21 51.90
 CRP 0.77 239 iPd 21 41.30 -0.5
 eS 21 52.95
 CUT 0.78 18 iPc 21 40.97 -0.6
 eS 21 52.66
 PLRM 0.79 95 iPc 21 40.99 -0.8
 eS 21 53.12
 BGL 0.87 243 ePd 21 42.43 -0.6
 CKL 0.89 238 iPd 21 42.36 -0.8
 eS 21 55.05
 GH0 0.89 83 ePc 21 42.72 -0.5
 eS 21 55.95
 NKA 0.96 193 ePd 21 45.27 1.3
 KNK 1.14 102 iPc 21 45.88 -0.7
 eS 22 01.78
 SML 1.17 82 iPc 21 46.05 -0.9
 SLKM 1.20 167 ePd 21 46.26 -1.0
 RDT 1.35 216 iPd 21 48.62 -0.9
 eS 22 06.25
 HUR 1.42 22 eP 21 49.92 -0.4
 eS 22 08.22
 DFR 1.42 221 ePd 21 49.64 -0.8
 eS 22 08.26
 RDN 1.51 220 ePd 21 49.42 -2.2
 eS 22 10.13
 REF 1.51 219 eP 21 51.39 -0.3
 NCT 1.52 224 ePc 21 51.23 -0.6
 RDW 1.55 220 eP 21 51.34 -0.9
 eS 22 11.03
 RS2 1.55 219 eP 21 51.55 -0.7
 eS 22 11.66
 RSO 1.55 219 eP 21 51.58 -0.7
 eS 22 11.54
 RED 1.59 218 eP 21 51.97 -0.7
 eS 22 12.19
 eS 22 13.10
 SCM 1.65 83 eP 21 52.60 -1.0
 S 22 13.77
 >NNL 1.65 189 ePd 21 54.07 0.5
 SEW 1.70 157 eP 21 54.45 0.2
 TRF 1.80 7 eP 21 55.14 -0.7
 GLI 1.95 112 iPc 21 55.30 -2.4
 RND 1.96 26 eP 21 57.62 -0.3
 KNIM 1.99 130 ePc 21 55.22 -3.1
 VZW 2.13 105 eP 21 58.61 -1.6
 CNPM 2.16 186 eP 22 00.86 0.1
 LTI 2.18 137 ePc 21 57.87 -3.0
 VLZ 2.21 102 eP 22 00.90 -0.4
 TOA 2.23 77 eP 22 00.58 -1.1
 MTU 2.28 136 ePc 21 59.71 -2.7
 KLU 2.33 92 ePc 22 00.90 -2.3
 SVW 2.40 258 eP 22 01.88 -2.1
 PDB 2.52 223 eP 22 04.02 -1.7
 TZL 2.57 79 eP 22 05.79 -0.6
 BWN 2.58 13 eP 22 05.31 -1.3
 SDG 2.61 68 eP 22 06.52 -0.5
 CDD 3.10 209 eP 22 12.95 -1.0
 GLB 3.35 91 eP 22 16.45 -1.0
 TGL 3.96 100 eP 22 25.66 -0.4
 BALM 4.11 95 eP 22 26.33 -2.0

49 obs. associated
 JUN 11, 1991 02h 34m 58.53± 0.23s
 16.760 N ± 3.4km 120.709 E ± 4.9km
 DEPTH = 116.2km (4 depth phases)
 5.0mb (34 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

BAG 0.37 200 iPd- 35 17.10 1.3
 SZP 0.82 343 iPc 35 18.50 -0.3
 CVP 1.42 48 iPd 35 26.50 1.4
 iS 35 48.00
 PIP 1.56 357 iPc 35 26.80 0.0
 iS 35 48.00
 OCP 2.14 170 eP 35 23.50 -10.6X
 PGP 3.25 176 iPd 35 52.80 4.1X
 iS 36 22.00
 TWG 6.04 3 ePc 36 24.90 -1.9
 eS 37 28.60
 TWK 6.48 358 ePc 36 31.90 -1.0
 eS 37 39.50
 PLP 6.94 143 eP 36 41.00 1.9
 PPR 7.20 196 iPc 36 42.50 -0.2
 iS 38 03.00
 TWD 7.33 6 ePc 36 43.10 -1.3
 TWC 7.88 8 ePc 36 51.10 -0.8
 OZH 8.38 347 P 36 57.00 -1.7
 S 38 24.50
 MCO 8.60 309 eP 37 00.70 -1.0
 GZH 9.36 313 P 37 11.20 -0.7
 OIZ 10.59 284 P 37 26.80 -1.5
 TSM 12.72 192 ePc 38 01.00 4.6X
 SSE 14.28 2 P 38 16.50 0.0
 iS 15.00nm 4.2mb
 WHN 14.90 338 eP 38 25.70 1.3
 1.2s 100.00nm 5.0mb
 NJ2 15.32 354 Pc 38 32.50 2.9
 1.0s 100.00nm 5.0mb
 GYA 16.23 309 P 38 42.60 1.4
 1.2s 100.00nm 5.0mb
 S 41 37.60
 KMI 18.72 299 Pd 39 12.50 1.4
 1.6s 150.00nm 5.1mb
 TIA 19.63 351 Pd 39 20.20 -0.2
 XAN 20.20 331 iPd 39 26.00 -0.3
 1.0s 100.00nm 5.1mb
 CHG 20.82 279 ePd 39 34.00 1.4
 0.9s 16.81nm 4.4mb
 CD2 20.91 315 iPd 39 34.20 0.8
 1.0s 200.00nm 5.4mb
 S 43 50.50
 SNG 21.82 247 eP 39 44.40 1.9
 TIY 22.11 342 Pd 39 46.00 0.7
 Z 14s 0.40um 4.0Mszx
 pP 40 04.00 82kmX
 sS 44 14.00
 KGM 22.52 231 ePc 39 51.50 2.1
 0.8s 89.60nm 5.2mb
 IPM 22.79 240 ePd 39 58.50 6.5X
 0.8s 64.10nm 5.0mb
 BJ1 23.53 351 eP 39 59.50 0.6
 1.0s 65.00nm 5.0mb
 epP 40 28.00 140kmX
 esP 40 36.00
 LZH 24.40 325 Pd 40 08.20 0.7
 1.0s 210.00nm 5.6mb
 Z 30s 0.67um 4.0Mszx
 pP 40 35.00 129km
 sP 40 44.50
 MAT 25.08 35 eP 40 10.00 -3.8X
 SNY 25.10 5 iPc 40 13.60 -0.3
 0.8s 50.00nm 5.0mb
 HHC 25.27 344 P 40 16.20 0.5
 1.0s 50.00nm 5.0mb
 S 45 18.00
 BTO 25.50 341 eP 40 17.00 -0.7
 PSI 25.57 239 ePd 40 25.80 7.3X
 MDJ 28.76 13 eP 40 46.40 -0.8
 GTA 29.00 325 Pd 40 49.40 -0.1
 1.0s 10.00nm 4.4mb
 Z 14s 0.20um 3.9Mszx
 E 12s 0.20um
 GUN 33.96 295 P 41 32.96 -0.4
 PKI 34.30 294 P 41 35.22 -1.0
 KKN 34.46 295 P 41 36.54 -0.9
 DMN 34.58 294 P 41 37.66 -0.8

GKN 35.06 295 P 41 41.44 -1.0
 MBL 37.69 181 eP 42 03.30 -1.0
 WMO 38.81 321 P 42 13.50 -0.1
 1.5s 10.00nm 4.4mb
 pP 42 37.50 103km
 WB2 38.86 159 iPd 42 12.70 -1.4
 0.5s 24.10nm 5.3mb
 i 42 42.20 132kmX
 e 44 24.30
 HYB 40.24 277 eP 42 26.30 0.6
 QIS 41.46 153 iPd 42 35.20 -0.3
 0.5s 15.00nm 5.0mb
 i 44 33.00
 GBA 41.82 272 Pd 42 39.30 0.7
 0.8s 21.70nm 5.0mb
 ASPA 42.20 162 iPc 42 40.70 -0.8
 0.4s 40.00nm 5.5mb
 WARB 43.07 172 iPd 42 48.70 0.1
 0.4s 11.00nm 5.0mb
 MRWA 45.93 186 eP 43 10.30 -1.1
 FORR 47.86 171 eP 43 25.00 -1.5
 OLP 48.77 152 iPd 43 33.40 -0.2
 QUE 50.67 295 eP 43 48.20 -0.2
 STK 52.35 157 iPc 43 59.70 -0.9
 0.6s 13.20nm 5.1mb
 e 47 32.80
 e 51 11.00
 ADE 54.21 162 e(P) 44 10.60 -3.7X
 0.6s 40.00nm 5.6mb
 MAIO 57.21 303 iPd 44 36.00 0.0
 0.7s 7.94nm 4.8mb
 BWA 57.33 153 eP 44 37.40 0.7
 BFD 57.46 159 eP 44 35.00 -2.5
 CAN 58.34 153 eP 44 44.00 0.3
 BRW 71.86 20 eP 46 11.40 1.2
 TTA 72.17 29 eP 46 13.60 1.3
 SVW 72.43 30 eP 46 15.20 1.4
 IMA 73.05 25 ePd 46 18.90 1.5
 QBN 73.08 323 eP 46 15.00 -2.6
 1.0s *****nm 8.3mb X
 e 46 58.00 178kmX
 RSO 73.88 31 P 46 22.20 -0.2
 PMR 75.50 30 eP 46 31.80 0.4
 FBA 75.61 26 eP 46 32.10 0.1
 KEV 75.69 339 eP 46 31.00 -1.4
 SOD 76.24 337 eP 46 34.00 -1.5
 TOA 76.80 29 ePd 46 40.60 1.9
 MML 77.33 300 eP 46 43.30 1.1
 KAF 77.39 331 iP 46 41.30 -0.6
 0.8s 17.10nm 4.9mb
 DS1 77.53 299 eP 46 44.10 0.8
 MBH 78.34 298 eP 46 48.70 0.8
 NUR 78.52 330 iP 46 47.90 -0.2
 0.9s 17.60nm 4.9mb
 BALM 78.82 30 P 46 50.00 0.1
 INK 80.26 21 ePd 46 57.30 0.0
 MBC 80.57 12 ePd 46 59.00 0.1
 0.7s 10.00nm 4.7mb
 MLR 81.51 315 eP 47 05.00 0.5
 UPP 82.07 330 iP 47 06.50 -0.4
 HFS 83.81 331 eP 47 15.30 -0.6
 0.5s 10.80nm 5.0mb
 KRA 84.05 320 eP 47 17.60 0.3
 SPC 84.14 320 e(P) 47 18.00 0.0
 NB2 84.56 333 P 47 11.90 -7.8X
 1.0s 27.60nm 5.1mb
 VAY 85.05 312 eP 47 21.60 -0.8
 KSP 85.96 322 iP 47 27.00 0.2
 e 47 56.90 115km
 OHR 86.38 312 eP 47 28.00 -1.1
 PRU 87.32 322 eP 47 34.00 0.6
 BRG 87.33 323 iP 47 34.00 0.6
 e 48 04.60 118km
 YKA 89.96 22 eP 47 44.70 -1.0
 0.7s 3.70nm 4.6mb
 WTTA 90.19 320 iPd 47 47.10 -0.2
 0.8s 15.80nm 5.2mb
 i 47 51.20 13kmX
 e 48 17.00
 CZI 90.39 311 P 47 48.10 0.0
 OGA 90.74 320 iPc 47 50.40 0.5
 1.0s 14.00nm 5.1mb
 LPG 94.01 320 eP 48 05.70 0.6
 0.8s 9.40nm 5.2mb
 LPL 94.01 320 eP 48 05.60 0.6
 0.8s 7.40nm 5.1mb
 S.D. = 1.1 on 90 of 98 obs.

JUN 11, 1991 05h 26m 31.17± 0.31s				PRM	31.86	34	P	32	58.00	-0.7	1.2s	30.00nm	5.1mb
8.403 N ± 4.8km 103.021 W ± 5.2km				PRI	31.96	332	eP	32	57.50	-2.1	VAH	50.06	242 iP 35 29.00 0.5
DEPTH = 10.0km (geophysicist)				SDV	32.02	87	eP	33	01.20	0.7	1.2s	30.00nm	5.1mb
5.3mb (30 obs.) 5.8msz (10 obs.)				HBF	32.17	37	P	33	03.60	2.2	PMO	50.19	243 iP 35 30.20 0.7
OFF COAST OF MEXICO (63)				TNP	32.21	339	ePd	33	06.60	4.7X	1.2s	30.00nm	5.1mb
Ms 6.0 (BRK). Mo=1.0*10**18 Nm				1.1s	48.70nm						SCH	54.53	25 eP 36 00.00 -1.5
(PPT).				FRI	32.24	334	ePd	33	02.50	0.5	YKA	54.65	353 eP 36 00.70 -1.5
CENTROID, MOMENT TENSOR (HRV)				SGS	32.27	37	P	33	02.80	0.6	1.0s	14.60nm	5.0mb
Data Used: GDSN				TKL	32.33	30	P	33	02.00	-0.8	PPD	59.02	122 eP 36 30.40 -3.6X
L.P.B.: 21S, 52C				PRS	32.44	332	ePc	33	04.65	0.9	e		36 39.20
Centroid Location:				JSC	32.62	35	P	33	05.30	0.0	BAO	59.50	114 ePc 36 35.40 -2.1
Origin Time 05:26:35.6 0.4				DAU	32.71	348	P	33	06.90	0.5	BALM	60.04	339 eP 36 40.00 -0.5
Lat 8.49N 0.03 Lon 102.68W 0.03				TOV	32.83	85	eP	33	04.10	-3.4X	FRB	60.48	17 eP 36 42.00 -1.3
Dep 15.0 FIX Half-duration 3.5				DUG	32.84	346	P	33	08.40	1.0	LPA	60.57	138 eP- 36 40.00 -4.3X
Moment Tensor: Scale 10**17 Nm				NNA	32.98	128	iPd	33	09.00	0.3	Z 20s	11.35um	6.0msz
Mrr=-0.08 0.15 Mtt= 4.10 0.18				1.0s	27.00nm						KLU	61.63	338 P 36 50.60 -0.7
Mff=-4.02 0.21 Mrt=-2.14 0.49				Z 20s	9.57um						TOA	62.12	339 eP 36 54.90 0.3
Mrf=0.22 0.51 Mtf=-7.13 0.16				eS	38	32.00					SLKM	62.69	336 eP 36 57.30 -1.0
Principal Axes:				LHS	33.02	35	P	33	08.60	-0.1	PMR	62.90	337 eP 36 59.00 -0.6
T Val= 8.68 Plg=13 Azm=209				MHC	33.39	332	eP	33	11.80	-0.3	1.5s	175.68nm	6.0mb
N -0.42 76 57				eLQ	40	57.00					Z 20s	5.64um	5.7msz
P -8.26 6 301				eLR	43	29.00					pP	37	11.70 44kmX
Best Double Couple:Mo=8.5*10**17				CMB	33.41	335	ePc	33	13.00	0.8	INK	63.15	348 eP 37 00.50 -0.6
NP1:Strike=346 Dip=76 Slip= 5				iS	38	42.00					1.2s	81.00nm	5.8mb
NP2: 255 86 166				eLQ	41	08.00					RSO	63.71	335 eP 37 04.30 -0.9
				BKS	34.10	332	eP	33	23.50	5.4X	PDB	63.96	334 P 37 06.00 -0.6
				1.4s	54.00nm						pP	37	17.00 36kmX
				Z 20s	17.20um						SOB1	64.30	104 eP 37 07.00 -1.8
				N 20s	29.90um						FBA	64.48	341 eP 37 08.70 -1.2
				E 20s	20.90um						1.2s	20.83nm	5.2mb
				eS	38	44.40					SVW	65.24	335 eP 37 13.20 -1.8
				eLR	40	52.80					BMA	65.37	120 eP 37 19.00 2.5
				CEOS	34.29	86	iP	33	18.00	-2.1	TTA	66.32	336 eP 37 20.80 -1.1
				BW06	34.72	352	iPc	33	23.20	-0.5	IMA	67.14	340 eP 37 25.50 -1.7
				1.2s	82.19nm						MBC	68.40	356 eP 37 33.50 -1.2
				e	33	50.50					1.4s	61.00nm	5.6mb
				e	34	08.30					GDH	68.61	17 ePc 37 44.00 7.9X
				NAV	35.13	32	P	33	26.20	-0.8	1.0s	22.00nm	5.3mb
				ORV	35.16	335	ePc	33	28.94	1.7	e		46 52.00
				BLA	35.25	32	eP	33	26.70	-1.3	ANM	70.78	336 eP 37 56.40 6.9X
				1.1s	60.00nm						ADK	73.36	322 eP 38 15.00 10.0X
				e	33	33.90					AKU	80.30	25 iP 38 46.20 2.6
				RSSD	35.59	359	eP	33	30.30	-0.8	1.1s	35.44nm	5.3mb
				1.5s	106.57nm						NB2	94.06	26 P 39 41.70 -9.2X
				Z 18s	56.77um						1.5s	9.70nm	5.0mb
				i	33	44.10					LKO	95.87	79 P 39 59.62 -0.4
				CAR	35.65	84	eP	33	32.50	0.7	BRG	99.90	35 e(P) 40 21.10 3.5X
				MIN	35.87	335	eP	33	33.79	0.4	MAT	107.30	312 (PKP) 45 17.00 17.0X
				WDC	36.45	335	ePc	33	37.73	-0.4	Z 20s	6.03um	6.1msz
				CVL	36.86	33	P	33	42.00	0.4	SKO	108.71	40 ePKP 44 43.00 -19.4X
				FHC	37.26	333	eP	33	47.33	2.4	e		45 20.00
				CBN	37.62	34	eP	33	48.00	0.1	e		54 50.00
				LRM	38.16	349	eP	33	52.90	0.2	WB2	123.44	252 ePKP 45 30.80 -0.3
				ARE	39.80	128	eP	34	09.00	2.2	0.9s	3.10nm	
				LVNJ	40.88	33	P	34	15.40	0.4	WRA	123.45	252 PKP 45 30.00 -1.2
				DPW	41.39	345	P	34	20.60	1.4	1.3s	5.80nm	
				TBR	41.41	33	eP	34	19.00	-0.4	ASPA	123.58	247 ePKP 45 30.90 -0.5
				TXNY	41.45	33	iP	34	20.10	0.4	1.0s	8.70nm	
				NEW	41.48	346	ePc	34	19.30	-0.6	WMO	127.12	350 PKP 45 36.90 -0.8
				0.8s	68.75nm						N 18s	3.40um	
				Z 20s	5.00um						PP	47	38.00
				ZOBO	42.35	125	P	34	27.00	-1.1	FRS	127.26	121 iPKPc 45 42.20 3.9X
				1.0s	9.00nm						0.9s	16.81nm	
				Z 16s	4.70um						GTA	127.93	338 ePKP 45 42.80 3.3X
				i	34	28.90					N 21s	1.88um	
				S	40	56.00					E 22s	2.12um	
				LR	48	19.00					LZH	129.04	332 ePKP 45 44.00 2.3
				SES	42.39	352	ePc	34	26.40	-0.9	Z 25s	2.92um	5.9mszX
				1.3s	154.00nm						MAIO	132.59	19 ePKP 45 49.00 0.6
				GMW	42.48	340	P	34	28.40	0.3	e		48 32.00
				LPB	42.52	126	P	34	28.80	-0.5	QUE	140.44	14 ePKP 46 07.00 3.7X
				1.0s	110.00nm						GUN	142.89	347 PKP 46 05.20 -2.7
				Z 24s	17.05um						0.9s	24.00nm	
				S	40	51.00					GKN	143.06	349 PKP 46 03.46 -4.5X
				LR	48	36.00					1.0s	19.00nm	
				CNCB	42.76	126	P	34	33.00	1.6	KKN	143.14	348 PKP 46 05.54 -2.7
				PNT	43.09	344	eP	34	33.00	-0.1	PKI	143.32	347 PKP 46 04.44 -4.2X
				1.1s	55.00nm						DMN	143.35	348 PKP 46 04.18 -4.4X
				MCW	43.48	341	P	34	37.80	1.6	CHG	145.35	321 ePKPd 46 11.20 -0.7
				PGC	43.65	340	eP	34	38.00	0.4	1.1s	34.81nm	
				CCH	44.55	125	P	34	45.50	-0.1	KGM	151.77	290 ePKPd 46 31.00 8.9X
				FFC	46.20	1	ePc	34	56.70	-1.2	SNG	151.81	303 ePKP 46 32.00 9.9X
				2.0s	162.00nm						S.D. = 1.3	on 113 of 138 obs.	
				SIV	48.09	120	iPc	35	11.80	-1.6			
				RUV	49.82	242	iP	35	27.10	0.5			
				1.2s	30.00nm								
				TPT	49.94	242	iP	35	27.90	0.3			

* JUN 11, 1991 06h 07m 49.64± 1.06s			
40.187 N ± 7.2km 19.831 E ± 9.9km			
DEPTH = 5.0km (geophysicist)			

* JUN 11, 1991 06h 07m 49.64 ± 1.06s
40.187 N ± 7.2km 19.831 E ± 9.9km
DEPTH = 5.0km (geophysicist)

ALBANIA (391)
MD 3.1 (ATH).

TPE 0.18 52 iPg 07 50.50 -2.8
SRN 0.33 157 iPg 07 55.70 -0.6
KEK 0.47 183 ePc 07 58.80 -0.3
eS 08 05.80
IGT 0.76 149 ePc 08 04.81 -0.1
eS 08 16.06
OHR 1.18 38 ePn 08 13.00 0.8
0.7s 206.00nm
iSg 08 34.40
Lg 08 36.50
LR 08 36.50
FNA 1.32 63 ePd 08 16.09 1.5
eS 08 37.02
LCI 1.44 276 P 08 16.50 0.0
eSn 08 38.00
KZN 1.49 85 ePc 08 19.90 2.7X
LIT 2.04 92 ePc 08 28.14 3.1X
GRG 2.10 68 ePc 08 28.82 2.8X
eS 08 56.80
BRT 2.12 290 P 08 34.00 7.8X
eSn 09 04.00
AGG 2.25 120 ePd 08 29.62 1.4
eS 08 58.80
KNT 2.53 66 ePc 08 34.85 2.8X
S.D. = 1.6 on 8 of 13 obs.

JUN 11, 1991 07h 16m 34.44±0.11s
84.401 N ± 2.5km 108.249 E ± 1.7km
DEPTH = 27.2km (26 depth phases)
5.5mb (85 obs.) 5.3msz (18 obs.)
NORTH OF SEVERNAYA ZEMLYA (651)
- Ms 5.5 (8RK). Mo=4.0*10**17 Nm
(PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 07:16:33.0 0.5
Lat 84.45N 0.06 Lon 107.00E 0.93
Dep 16.1 4.1 Half-duration 2.1
Moment Tensor; Scale 10**17 Nm
Mrr=-1.55 0.11 Mtt=-0.92 0.09
Mff= 0.63 0.15 Mrt=-1.03 0.49
Mrf=-0.40 0.36 Mtf=-0.91 0.10
Principal Axes:
T Val= 1.80 Plg=10 Azm=215
N 0.31 25 120
P -2.11 63 326
Best Double Couple: Mo=2.0*10**17
NP1:Strike=333 Dip=41 Slip= -50
NP2: 105 60 -119

KBS 13.03 301 eP 19 51.00 11.0X
DAG 17.29 322 iPc 20 30.80 -4.1X
1.2s 190.63nm 5.1mb
Z 19s 7.08um
MBC 18.12 35 eP 20 44.50 -0.7
1.0s 153.00nm 5.1mb
BRW 20.08 69 eP 21 08.50 0.7
KEV 20.26 277 iP 21 07.80 -2.0
1.1s 50.40nm 4.8mb
i 21 16.80
e 24 56.00
TRO 21.16 284 iP 21 20.20 1.2
SOD 22.61 275 iP 21 33.00 -0.5
YAK 22.98 154 iPc+ 21 37.00 -0.2
iPP 22 06.00
iPPP 22 20.00
ePcP 24 57.00
eS 25 48.00
eSS 26 36.00
eSSS 27 18.00
INK 24.97 51 ePd 21 56.30 0.0
1.2s 206.00nm 5.6mb
pP 22 17.00 94kmX
IMA 25.45 70 eP 22 01.40 0.3
ANM 25.81 82 eP 22 03.70 -0.6
GDH 26.29 345 iPc 22 18.50 9.8X
0.9s 50.42nm 5.1mb
e 27 04.00
FBA 27.13 65 eP 22 18.40 2.0
1.1s 43.75nm 5.0mb
KAF 27.78 273 iP 22 20.90 -1.4
AKU 28.15 315 iPc 22 28.30 2.7X

1.6s 186.67nm 5.6mb
RGS 28.41 288 eP 22 28.00 0.0
NUR 29.52 274 iP 22 37.30 -0.6
Z 16s 2.70um 5.0mszX
e 27 36.00
LR 39 24.00
TOA 30.02 65 eP 22 44.20 1.6
SVW 30.14 74 eP 22 45.20 1.6
PMR 30.26 68 eP 22 45.00 0.4
KLU 30.65 65 pP 22 49.10 1.0
pP 22 57.30 28km
UPP 30.84 280 iP 22 48.60 -1.0
i 22 56.00
HFS 30.95 284 eP 22 48.70 -1.9
1.1s 43.20nm 5.2mb
Z 17s 2.80um 5.0mszX
LR 32 27.00
RSO 31.04 72 eP 22 52.30 0.6
PDB 31.57 73 P 22 58.60 2.5X
pP 23 06.20 26km
YKA 32.01 37 eP 22 58.40 -1.5
1.3s 25.00nm 5.0mb
FRB 32.04 357 eP 22 59.00 -1.1
IRK 32.29 185 eP+ 23 02.00 -0.5
e 23 10.00
e 23 16.00
ePPP 24 26.00
eS 28 18.00
e 28 50.00
OBN 33.68 260 iPc 23 13.60 -0.9
1.2s *****nm 8.4mb X
Z 24s 3.50um 5.0mszX
N 22s 3.20um
i 23 20.00
ePP 24 40.00
e 26 28.00
eS 28 36.00
eSS 30 28.00
eSSS 31 24.00
EDR 35.60 298 ePd 23 31.40 0.4
1.2s 217.00nm 6.0mb
BSD 35.79 281 iPc 23 32.70 0.2
1.4s 140.00nm 5.7mb
i 23 40.40
EDU 36.01 299 ePd 23 34.60 0.1
1.1s 204.00nm 6.0mb
ELO 36.15 299 eP 23 36.00 0.4
EBH 36.35 299 ePd 23 37.40 0.1
1.1s 244.00nm 6.0mb
EAU 36.75 299 eP 23 41.30 0.7
EBL 36.78 298 eP 23 41.10 0.2
EKA 37.23 298 Pd 23 45.10 0.4
1.3s 126.70nm 5.6mb
BRN 38.61 282 eP 23 57.50 1.2
DMU 38.97 302 iPd 23 59.60 0.3
1.3s 328.00nm 5.9mb
DCN 39.55 302 eP 24 05.00 0.9
WTS 39.64 288 eP 24 06.00 1.2
1.0s 67.00nm 5.3mb
CLL 39.73 282 iPd 24 05.80 0.2
1.7s 170.00nm 5.5mb
Z 17s 2.00um 5.0mszX
iP 24 13.20 25km
KSP 39.87 279 iPd 24 06.50 -0.3
ic 24 07.30
ic 24 14.50
BRG 40.07 281 iPd 24 08.40 0.0
1.5s 130.00nm 5.4mb
i 24 16.60
i 25 39.50
e 25 57.60
eS 30 24.00
KRA 40.30 275 iPd 24 10.70 0.4
1.0s 124.00nm 5.6mb
Z 18s 2.60um 5.1msz
E 20s 3.50um
i 24 19.20
e 24 27.10
e 30 17.00
e 32 17.00
MDJ 40.37 156 eP 24 11.50 0.6
1.4s 100.00nm 5.4mb
Z 20s 1.80um 4.9msz
N 11s 1.40um
E 11s 1.30um
pP 24 19.50 27km
sP 24 24.00

eS 30 16.00
sS 30 30.00
FFC 40.41 27 eP 24 10.00 -1.2
1.1s 34.00nm 5.0mb
MOX 40.52 283 iPd 24 13.00 0.9
1.5s 230.00nm 5.7mb
Z 20s 1.70um 4.9msz
N 19s 1.60um
HOF 40.82 283 eP 24 10.60 -4.0X
1.5s 154.00nm 5.5mb
PRU 40.89 280 Pd 24 15.50 0.4
1.8s 128.10nm 5.4mb
Z 20s 2.40um 5.1msz
N 19s 2.10um
E 18s 1.60um
e 24 23.20
e 24 38.00
PP 25 54.00
S 30 40.00
ENN 40.94 289 eP 24 16.00 0.5
1.0s 68.00nm 5.3mb
SCH 40.98 356 eP 24 15.00 -0.9
CN2 41.03 161 Pd 24 16.00 -0.4
1.4s 100.00nm 5.4mb
Z 11s 6.50um 5.7mszX
N 11s 1.50um
E 11s 1.40um
eS 30 23.00
eSS 33 20.00
UCC 41.05 290 Pc+ 24 17.90 1.5
MEM 41.09 289 iPc 24 17.79 1.1
SPC 41.12 274 eP 24 16.70 -0.6
e 26 04.60
WMO 41.13 203 P 24 18.00 0.7
3.0s 100.00nm 5.0mb
N 14s 3.50um
pP 24 25.50 25km
sP 24 32.00
PP 25 57.00
PcP 26 15.50
PcS 30 07.00
S 30 30.00
sS 30 46.00
SS 33 26.00
TNS 41.24 286 ePd 24 19.00 0.9
SNF 41.34 290 iP 24 19.95 1.1
DOU 41.72 290 Pc 24 23.00 1.0
1.0s 47.20nm 5.2mb
S 40 43.00
KHC 41.83 281 iPd 24 24.00 1.1
1.2s 40.00nm 5.0mb
Z 18s 1.40um 4.9msz
N 18s 2.30um
E 14s 1.00um
e 24 31.50
e 26 18.50
BMR 42.31 271 ePc 24 29.00 2.2
ZST 42.41 277 iP 24 28.40 0.7
i 26 19.70
PSZ 42.42 275 iP 24 28.40 0.6
VKA 42.42 278 eP 24 27.00 -0.7
2.0s 299.00nm 5.7mb
id 24 28.60
i 24 36.20
GWf 42.55 287 P 24 29.34 0.5
SRO 42.68 276 iP 24 30.80 1.0
e 26 12.20
KMR 42.84 280 iP- 24 32.00 0.8
SNY 42.95 163 Pd 24 31.00 -1.0
Z 15s 1.50um 5.0mszX
N 12s 1.00um
E 11s 0.90um
pP 24 39.00 27km
sP 24 46.00
S 30 58.00
WLS 43.13 287 P 24 34.28 0.7
CDF 43.14 287 P 24 34.28 0.6
ECH 43.35 287 P 24 36.00 0.7
VITF 43.46 288 P 24 37.00 0.8
FLN 43.51 294 eP 24 36.10 -0.4
1.3s 108.30nm 5.5mb
Z 20s 0.15um 3.9mszX
FEL 43.60 286 P 24 37.51 0.0
HAU 43.63 288 eP 24 38.20 0.6
1.2s 172.55nm 5.7mb
Z 20s 3.50um 5.3msz
LDF 43.64 294 eP 24 37.20 -0.4

11d 07h

MOF	1.6s	149.25nm	5.5mb	KSH	46.04	215 P	25 00.00	2.9X	PHP	48.53	273 eP	25 16.00	-0.4
HHC	43.71	287 P	24 38.61 0.3	E	12s	4.80um			RDO	48.57	268 eP	25 17.10	0.4
Z	18s	3.10um	5.3Msz	LPL	46.06	287 eP	24 57.90	0.6	LACI	48.66	274 eP	25 16.60	-0.8
N	11s	0.50um		LPG	46.08	287 eP	24 58.10	0.6	VAY	48.69	271 eP	25 17.00	-0.6
E	10s	1.50um		1.3s	90.25nm				MAO	48.72	282 P	25 17.80	0.0
	pP	24 52.00	48kmX	LSD	46.08	286 P	24 58.27	0.8	MTMJ	48.75	148 P	25 18.30	0.0
	PP	26 17.00		DPW	46.35	42 P	25 00.00	0.6	LRM	48.75	37 iPd	25 18.50	0.1
	e	26 21.00		GMW	46.36	47 P	25 00.80	1.5	MFT	48.76	266 eP	25 17.00	-1.3
	S	31 05.50		RSP	46.38	286 P	25 00.32	0.7	SRS	48.79	270 ePd	25 25.98	7.5X
	SS	34 15.00		OFUJ	46.48	144 eP	25 00.70	0.3	PGF	48.79	284 eP	25 18.10	-0.5
BSF	43.76	287 P	24 39.47 0.7	BNI	46.53	287 P	25 01.90	1.0	1.2s	127.95nm			5.8mb
VRI	43.77	267 ePc	24 29.00 -9.8X	BOB	46.55	284 P	25 01.80	0.8	KNT	48.81	270 ePd	25 18.06	-0.6
WTTA	43.87	282 iPd	24 40.60 0.9	RRL	46.65	287 P	25 02.99	1.0	MAT	48.82	148 eP	25 17.00	-1.7
1.4s	161.00nm		5.6mb	BHB	46.68	286 P	25 01.35	-0.6	1.3s	28.85nm			5.1mb
	i	24 49.70		RJF	46.76	292 eP	25 02.10	-0.4	eS		32 22.00		
GRR	43.91	295 eP	24 39.30 -0.5	1.0s	76.00nm			5.6mb	TIR	48.93	273 eP	25 18.50	-1.0
1.4s	130.70nm		5.6mb	Z	20s	4.50um		5.4Msz	GRG	49.07	271 ePc	25 20.06	-0.5
BTO	43.96	178 P	24 41.00 0.6	TIY	46.85	175 eP	25 04.40	1.0	OHK	49.07	272 iP	25 20.10	-0.6
N	16s	1.90um		Z	18s	2.10um		5.1Msz	1.5s	125.00nm			5.7mb
E	12s	1.70um		E	10s	1.00um			i		25 28.20		
	sP	24 48.00		PCP	46.86	285 P	25 02.88	-0.5	SOH	49.11	270 ePc	25 20.50	-0.4
	ePP	26 25.00		MME	47.00	283 P	25 06.10	1.4	EPF	49.12	293 eP	25 20.30	-0.7
	S	31 13.00		CKI	47.00	285 P	25 04.60	0.2	1.2s	59.50nm			5.5mb
	SS	34 20.50		DOI	47.02	286 P	25 04.63	-0.1	DUI	49.14	279 P	25 21.90	0.6
BBS	44.06	287 P	24 41.50 0.4	1.4s	39.10nm			5.2mb	SDI	49.16	279 P	25 21.70	0.3
MLR	44.23	268 eP	24 43.00 0.4	PZZ	47.03	286 P	25 04.42	-0.5	RMP	49.17	280 P	25 22.10	0.8
LOMF	44.24	287 P	24 42.19 -0.4	CAF	47.08	291 eP	25 05.40	0.3	RDP	49.22	280 P	25 22.20	0.4
SES	44.28	35 ePd	24 41.50 -1.3	1.4s	52.30nm			5.4mb	KAKJ	49.26	146 eP	25 17.10	-4.9X
2.0s	708.00nm		6.2mb	RSM	47.09	281 P	25 06.30	1.2	FNA	49.34	272 ePc	25 21.98	-0.7
	pP	24 50.00	28km	BDI	47.14	283 P	25 06.67	1.0	CHJJ	49.35	147 P	25 22.40	-0.4
BST	44.28	298 P	24 43.93 1.1	SFI	47.16	282 P	25 06.90	1.3	TAB	49.64	246 eP	25 26.00	0.8
LPF	44.28	295 eP	24 42.80 0.0	JMB	47.16	267 eP	24 53.00	-12.7X	BRT	49.65	276 P	25 24.70	-0.4
1.1s	148.10nm		5.7mb	ROB	47.17	286 P	25 05.14	-0.7	TSRJ	49.70	150 P	25 25.20	-0.3
CFR	44.31	266 eP	24 43.00 -0.1	LFF	47.19	293 eP	25 06.00	0.1	ECRI	49.79	295 eP	25 27.30	1.1
OGA	44.32	283 iPd	24 44.90 1.5	1.2s	53.55nm			5.4mb	LIT	49.90	270 ePd	25 26.66	-0.4
1.2s	114.00nm		5.6mb	PGD	47.22	282 P	25 07.50	1.1	TPE	49.96	273 eP	25 25.10	-2.3
FVI	44.42	281 P	24 45.10 1.2	LON	47.22	46 P	25 07.00	0.8	PAIG	49.96	269 ePc	25 26.18	-1.2
TIM	44.45	273 iPd	24 46.00 1.8	FIN	47.22	285 P	25 04.83	-1.4	LCI	50.12	275 P	25 28.30	-0.3
CMP	44.54	269 iPd	24 42.00 -3.0	STV	47.27	286 P	25 05.04	-1.6	MAIO	50.29	232 iPd	25 31.00	0.9
BJI	44.57	171 eP	24 46.00 0.8	YAMJ	47.29	146 eP	25 07.30	0.5	1.2s	31.25nm			5.2mb
6.0s	910.00nm		5.8mb X	VTS	47.37	270 iP	25 07.00	-0.6	e		27 24.00		
Z	16s	2.15um	5.2MszX	BMW	47.39	47 P	25 08.40	0.8	SRN	50.37	273 eP	25 30.20	-0.3
N	12s	1.59um		LPO	47.40	292 eP	25 07.90	0.3	PRK	50.38	267 eP	25 30.50	-0.1
	ePP	26 32.00		1.0s	60.00nm			5.6mb	ERUA	50.41	300 eP	25 32.00	1.1
	eS	31 20.00		CRE	47.44	281 P	25 09.00	0.9	XAN	50.50	179 P	25 31.00	-0.7
	eSS	34 32.00		ARV	47.47	281 P	25 08.80	0.6	N	10s	1.60um		
LOR	44.59	290 eP	24 44.90 -0.5	PII	47.48	283 P	25 08.60	0.4	E	11s	0.90um		
1.4s	150.30nm		5.7mb	KAS	47.54	259 iPc	25 10.30	1.4	S		32 48.00		
Z	20s	5.25um	5.5Msz	IMI	47.55	286 P	25 06.88	-2.0	MGR	50.55	277 P	25 31.40	-0.5
PTJ	44.80	278 iPc	24 48.00 0.8	SBF	47.64	286 eP	25 08.90	-0.7	KEK	50.55	273 eP	25 31.50	-0.4
PNT	44.82	44 eP	24 48.00 0.8	1.3s	129.95nm			5.8mb	IGT	50.68	273 ePd	25 32.46	-0.5
SSF	44.83	290 eP	24 46.90 -0.4	PLD	47.70	269 iP	25 09.00	-1.0	MMN	50.75	277 P	25 32.20	-1.2
1.2s	101.15nm		5.6mb	ASS	47.92	281 P	25 12.60	0.8	CSI	50.83	277 P	25 34.60	0.5
LBF	44.87	290 eP	24 47.10 -0.5	FRF	48.01	287 eP	25 11.80	-0.6	RSSD	50.91	30 iPd	25 34.20	-0.7
VOY	44.87	280 eP	24 45.20 -2.5	KDZ	48.08	268 iPd	25 14.00	1.0	0.8s	120.19nm			5.9mb
ZAG	44.88	278 iPd	24 48.20 0.5	KKB	48.10	270 iP	25 13.00	-0.1	AGG	50.99	270 ePd	25 34.30	-1.0
CTI	45.07	282 P	24 49.90 0.6	LRG	48.14	287 eP	25 13.20	-0.2	ROI	51.01	276 P	25 36.30	0.8
AVF	45.12	290 eP	24 49.20 -0.3	SKO	48.15	272 eP	25 13.00	-0.5	CZI	51.40	277 P	25 37.00	-1.4
1.6s	223.90nm		5.8mb	i				5.5mb	ETOR	51.53	295 iPd	25 39.80	0.3
TRI	45.20	280 P	24 51.10 0.9	i				5.7mb	IR7	51.61	241 eP	25 41.00	0.8
GTA	45.21	189 eP	24 50.40 -0.1	i				5.7mb	GUD	51.89	297 iPd	25 42.30	0.1
8.0s	710.00nm		5.6mb X	i				5.7mb	IR1	51.89	241 ePd	25 44.50	2.2
Z	18s	8.70um	5.7Msz	i				5.7mb	CGI	51.92	283 P	25 42.56	0.1
N	17s	6.70um		i				5.7mb	0.8s	5.30nm			4.5mb X
	PP	26 38.00		NIIJ	48.16	147 P	25 12.90	-0.7	BW06	51.96	35 iPd	25 41.80	-1.1
	S	31 30.00		LMR	48.25	287 eP	25 13.80	-0.4	1.5s	78.18nm			5.4mb
PGC	45.21	47 eP	24 51.00 0.8	1.4s	87.15nm			5.6mb	iP		25 50.50		29km
SMF	45.21	290 eP	24 49.60 -0.8	TIA	48.41	170 eP	25 16.00	0.5	VLS	52.00	272 eP	25 42.40	-0.5
1.4s	111.10nm		5.6mb	3.5s	700.00nm			6.1mb X	IR4	52.05	241 ePd	25 44.50	1.0
VBY	45.26	279 eP	24 51.50 0.8	Z	15s	1.40um		5.1MszX	IR5	52.10	241 eP	25 49.00	5.1X
BGF	45.39	291 eP	24 51.40 -0.3	N	11s	1.10um			USI	52.20	279 P	25 44.70	0.3
MDI	45.52	284 P	24 53.00 0.3	E	10s	0.50um			ATN	52.52	277 P	25 44.80	-2.0
VAI	45.52	285 P	24 53.50 0.8	eS					NJ2	52.59	169 P	25 46.50	-0.9
SAL	45.61	283 P	24 54.60 1.2	LZH	48.48	185 eP	25 17.00	0.7	Z	15s	0.90um		4.9MszX
MFF	45.62	294 eP	24 53.50 0.0	Z	18s	3.73um		5.4Msz	N	13s	0.80um		
1.2s	101.15nm		5.6mb	N	15s	3.83um			E	13s	0.60um		
TCF	45.72	291 eP	24 53.90 -0.4	pP				27km	S		33 16.50		
MAF	45.75	291 eP	24 54.40 -0.2	sP				27km	EPLA	52.63	298 iPd	25 48.00	0.3
1.2s	69.90nm		5.5mb	PP				27km	TOL	52.64	296 iPd	25 46.50	-1.2
LSF	45.82	292 eP	24 54.50 -0.6	eS				27km	1.6s	266.67nm			5.9mb
1.0s	62.00nm		5.5mb	sS				27km	eS		32 55.00		
ORX	45.83	286 P	24 55.71 0.4	HRT	48.49	263 eP	25 16.00	-0.2	MNO	52.82	278 P	25 48.90	-0.4
NEW	46.03	41 iPd	24 57.30 0.5	VGB	48.52	45 P	25 17.20	0.8	GIB	52.82	279 P	25 48.00	-1.2
1.0s	162.50nm		5.9mb						FHC	52.98	49 iPd	25 51.51	1.2
Z	20s	3.50um	5.3Msz						epP		25 59.90		28km
	iP	25 05.70	28km						LVI	52.99	280 P	25 50.60	0.3

VLI	53.21	270	eP	25	49.40	-2.6	GYA	58.06	182	P	26	27.00	-0.2	eS	29	35.30				
WDC	53.31	47	ePd	25	52.76	0.1		1.4s	100.00nm					BAR	1.02	296	iPc	29	34.90	-0.8
			iP	26	00.70	26km	N	20s	0.70um								eS	29	48.00	
FAI	53.57	279	P	25	55.00	0.5	E	20s	3.60um					GLA	1.04	38	eP	29	34.00	-2.1
	0.9s	26	70nm			5.2mb			P	26	35.60	28km		PLM	1.55	317	eP	29	42.20	-2.1
SSE	53.59	166	Pc	25	53.50	-1.2			S	34	28.00			PEC	2.12	322	eP	29	53.00	0.6
	1.0s	25.00nm				5.2mb	PHAM	58.17	46	P	26	28.40	0.6							
Z	20s	0.90um				4.8MsZ	ELC	58.29	16	P	26	26.10	-2.4							
E	14s	0.70um					CLC	58.39	43	ePd	26	29.00	-0.3							
		S	33	26.00			CLC	58.39	43	eP	26	30.60	1.3							
MIN	53.61	47	ePd	25	55.19	0.2	ISA	58.48	44	eP	26	30.00	0.0							
		eP	26	03.70	28km		BLA	58.55	8	eP	26	29.00	-1.4							
CD2	53.64	185	eP	25	55.20	0.0	BCH	58.84	46	P	26	33.50	0.9							
Z	16s	3.00um				5.4MsZ	MBH	58.93	257	iPd	26	32.20	-1.0							
N	12s	2.40um					GSC	58.95	43	eP	26	33.00	-0.3							
		pP	26	04.40	30km		GSC	58.95	43	eP	26	34.50	1.2							
		sP	26	10.00			KOT	59.07	260	eP	26	33.30	-0.7							
		S	33	30.50			ABL	59.24	45	P	26	35.20	-0.3							
WHN	54.02	173	Pc	25	57.50	-0.4	KMI	59.42	186	eP	26	36.50	-0.3							
Z	16s	100.00nm				5.7mb														
E	16s	0.70um				4.8MsZ	Z	16s	3.80um											
		0.90um							pP	26	44.50	26km								
		sP	26	12.00					eS	34	48.00									
DAU	54.21	37	P	25	59.80	0.1	SBB	59.49	44	eP	26	37.00	0.0							
CLE	54.26	9	eP	25	59.50	-0.1	SYF	59.51	46	eP	26	38.00	0.8							
EBAN	54.32	296	eP	26	01.00	0.9	ANMO	59.93	33	iPd	26	38.90	-1.3							
DUG	54.34	38	P	26	00.60	0.2		1.3s	78.37nm											
	1.3s	63.42nm				5.5mb	Z	20s	4.26um											
ORV	54.40	47	iPd	26	00.45	-0.2			iP	26	47.50	28km								
		iP	26	08.69	27km		ALO	59.93	33	eP	26	39.00	-1.2							
TBR	54.68	2	e(P)	26	01.50	-1.2		1.1s	45.89nm											
EHOR	54.78	297	eP	26	03.50	0.0	Z	20s	3.90um											
PNJ	54.92	2	iP	26	03.40	-1.0			e	26	47.50									
LSA	55.09	198	eP	26	06.80	0.4	MWC	59.94	44	eP	26	41.00	0.7							
N	13s	0.90um					OLY	60.01	19	P	26	37.00	-2.6							
		eS	33	51.00			PAS	60.01	44	eP	26	41.00	0.5							
KVN	55.14	43	P	26	07.10	0.7	GBTN	60.03	12	P	26	38.00	-1.8							
EVAL	55.15	299	eP	26	06.00	-0.2	TKL	60.05	11	P	26	39.20	-1.5							
ECOG	55.18	296	eP	26	07.00	0.4	TPC	60.19	42	eP	26	42.00	0.2							
AFC	55.20	296	eP	26	06.00	-0.8	RVR	60.22	43	eP	26	42.00	0.1							
GLD	55.20	31	ePd	26	06.30	-0.5	PEC	60.33	43	ePd	26	41.50	-1.2							
	1.5s	140.63nm				5.8mb			eP	26	49.50	27km								
Z	20s	4.50um				5.5MsZ	MEO	60.46	25	iPd	26	42.00	-1.6							
GOL	55.25	31	eP	26	06.00	-1.2	PLM	60.89	43	eP	26	47.00	0.3							
	1.2s	59.43nm				5.5mb	GLA	61.32	41	eP	26	49.00	-0.5							
HRI	55.38	256	iPd	26	07.90	-0.2	JSC	61.46	9	P	26	48.90	-1.4							
MAL	55.80	296	iPc	26	12.00	1.2			pP	26	56.60	25km								
QUE	55.82	224	eP	26	12.00	0.7	BAR	61.57	43	eP	26	51.00	-0.1							
ZSP	55.95	47	eP	26	13.25	1.4	TIO	61.80	298	iP	26	53.40	0.5							
CMB	55.99	46	ePd	26	12.51	0.2	SGS	62.56	8	P	26	56.80	-0.8							
		iP	26	20.88	27km		OIZ	65.46	178	eP	27	17.00	0.3							
BKS	56.02	47	eP	26	12.30	-0.1	E	16s	1.30um											
	1.3s	171.00nm				5.9mb			eS	36	04.00									
Z	20s	2.60um				5.3MsZ	CHG	65.74	190	eP	27	16.70	-1.8							
N	20s	2.50um						1.3s	32.21nm											
E	20s	3.00um					BAG	68.19	167	eP	27	34.00	-0.2							
		eS	34	12.00			GBA	71.66	212	Pd	27	53.10	-2.1							
BRK	56.02	47	ePd	26	13.00	0.6		0.8s	15.20nm											
MSU	56.05	38	P	26	13.30	0.3	SNG	77.29	188	eP	28	28.00	0.5							
TNP	56.16	43	P	26	14.20	0.5	DAV	77.58	162	eP	28	30.00	0.9							
	0.8s	26.47nm				5.3mb	AAE	79.10	250	eP	28	39.80	1.9							
EJIF	56.16	297	iP	26	14.70	1.2	PSI	81.76	189	ePc	28	57.50	6.0X							
BONR	56.21	44	P	26	14.70	0.5	KGM	82.38	185	ePd	28	56.00	1.2							
PV09	56.24	35	ePd	26	13.40	-1.0	LKO	82.83	295	P	28	57.36	0.1							
PCC	56.38	48	eP	26	12.62	-2.4		1.4s	174.00nm											
ARN	56.59	47	P	26	17.50	0.9	TIC	85.65	294	Pd	29	11.52	0.1							
MHC	56.59	47	ePd	26	17.30	0.6		1.2s	25.50nm											
NDI	56.69	213	eP	26	17.00	-0.4	KIC	85.91	293	Pd	29	13.16	0.5							
GCC	56.87	47	eP	26	19.45	0.9		1.3s	130.50nm											
GKN	57.02	205	P	26	18.78	-1.1	LIC	86.07	294	Pd	29	13.86	0.4							
GUN	57.06	204	P	26	19.72	-0.7		1.1s	110.00nm											
FRI	57.07	45	ePd	26	20.18	0.2	WRA	104.74	155	Pdiff	30	39.00	0.1							
		eP	26	28.50	27km			1.1s	2.30nm											
DSI	57.10	256	iPd	26	19.80	-0.5	SIV	111.42	349	ePKP	35	07.00	0.1							
SAO	57.18	47	ePd	26	21.23	0.5	ZOBO	111.79	356	PKP	35	27.00	18.7X							
KKN	57.20	204	P	26	20.48	-0.8			i	35	52.00									
DMN	57.39	204	P	26	21.96	-0.7	NVL	160.49	260	ePKP	36	28.00	-2.0							
PKI	57.42	204	P	26	22.08	-0.9			e	36	40.00									
FVM	57.56	17	P	26	21.00	-2.4														
CBN	57.59	5	eP	26	23.00	-0.6														
PRS	57.61	47	ePd	26	24.55	0.7														
		iP	26	32.83	27km															
CVL	57.81	6	P	26	24.40	-0.7														
		pP	26	23.80	28km															
PRI	57.85	46	iPd	26	27.00	1.4														
		iP	26	35.21	27km															
PKEM	57.97	46	P	26	27.80	1.5														

S.D. = 0.9 on 326 of 340 obs.									
& JUN 11, 1991 07h 29m 16.00s									
32.230 N 115.590 W									
DEPTH = 6.0km (geophysicist)									
CALIFORNIA-MEXICO BORDER REGION (45)									
<PAS-P>. ML 3.2 (PAS).									
IKP	0.61	314	iPd	29	27.40	-0.7			

JUN 11, 1991 07h 44m 03.98± 0.27s									
8.738 N ± 4.6km									
127.085 E ± 7.8km									
DEPTH = 35.1km (4 depth phases)									
5.0mb (17 obs.)									
PHILIPPINE ISLANDS REGION (248)									
DAV	2.22	222	eP+	44	44.80	5.6X			
	1.5s	2622.22nm							
PLP	3.18	319	ePd	44	52.50	-0.4			
		eS	45	03.00					
OCP	8.30	315	eP	46	16.00	11.0X			
BAG	9.92	321	eP	46	26.00	-1.5			
OZH	18.04	334	eP	48	14.50	0.8			

11d 07h

HYB 47.94 286 eP 52 41.80 0.3
 CAN 48.46 156 eP 52 46.00 0.7
 WMO 48.92 322 P 52 48.70 -0.1
 1.0s 10.00nm 4.8mb
 pP 52 57.00 28km
 sP 53 11.00
 DZM 49.26 129 iPd 52 50.00 -1.7
 YAK 53.21 2 eP 53 19.70 -1.1
 SVW 76.26 29 eP 55 51.60 0.9
 IMA 77.70 24 eP 55 59.50 0.8
 PMR 79.41 29 eP 56 07.60 -0.3
 FBA 80.08 26 eP 56 11.00 -0.5
 TOA 80.82 28 eP 56 16.50 1.0
 OBN 83.18 325 eP 56 29.00 1.2
 INK 85.41 22 eP 56 38.50 -0.3
 SOD 86.00 338 eP 56 42.00 0.2
 MBC 87.02 13 eP 56 47.50 0.8
 1.0s 19.00nm 5.3mb
 KAF 87.35 332 eP 56 48.90 0.5
 NUR 88.52 331 eP 56 54.10 0.0
 0.6s 14.20nm 5.5mb
 HFS 93.77 333 eP 57 17.70 -0.8
 0.8s 9.80nm 5.3mb
 NB2 94.48 334 P 57 11.20 -10.6X
 0.8s 3.60nm
 CLL 97.80 325 iPc 57 37.50 0.5
 ZOBO 163.38 118 PKP 04 08.00 2.5
 Z 24s 0.26um
 LR 09 18.00
 SIV 169.26 133 ePKP 04 11.00 1.6
 S.D. = 1.1 on 56 of 62 obs.
 ? JUN 11, 1991 07h 52m 58.07 ± 0.97s
 44.763 N ± 6.6km 7.179 E ± 9.7km
 DEPTH = 5.0km (geophysicist)
 NORTHERN ITALY (545)
 BHB 0.10 37 P 53 00.36 0.1
 S 53 01.59
 PZZ 0.26 192 P 53 03.43 0.0
 S 53 07.23
 RRL 0.32 299 P 53 04.66 0.0
 S 53 09.48
 RSP 0.39 8 P 53 05.89 -0.1
 S 53 11.53
 S.D. = 0.1 on 4 of 4 obs.
 JUN 11, 1991 08h 05m 53.46 ± 0.20s
 46.215 N ± 2.1km 12.924 E ± 2.0km
 DEPTH = 10.0km (geophysicist)
 3.9mb (1 obs.)
 NORTHERN ITALY (545)
 MD 4.2 (STR), 4.0 (LJU), 3.9
 (TRI). ML 4.0 (KBA). Felt (V) in
 Friuli. Also felt (III) at
 Ljubljana, Yugoslavia.
 FVI 0.39 345 Pd 06 00.60 -0.9
 iSg 06 05.50
 VVI 0.42 237 P 06 03.00 1.0
 VOY 0.70 105 iPg 06 07.30 0.0
 iSg 06 13.50
 TRI 0.77 130 iPg 06 08.70 0.2
 iSg 06 21.00
 CTI 0.90 260 P 06 12.00 1.2
 eSg 06 26.30
 KBA 0.91 18 iPg 06 10.60 -0.4
 iSg 06 22.90
 LJU 1.13 98 ePg 06 15.40 0.7
 i 06 17.50
 eSg 06 33.00
 CEY 1.15 114 ePg 06 15.50 0.5
 i 06 17.40
 eSg 06 33.90
 RIY 1.34 130 iPnd 06 20.30 2.1
 iSn 06 40.10
 WITA 1.37 320 iPg 06 19.10 0.3
 iSg 06 37.70
 WATA 1.45 321 iPg 06 20.60 0.7
 iSg 06 40.60
 OGA 1.46 297 eP 06 21.00 0.9
 BHG 1.51 359 iPnc 06 21.40 0.9
 SOTA 1.55 311 iPg 06 22.10 0.8
 iSg 06 43.60
 VBY 1.78 113 iPg 06 27.00 2.6X
 i 06 27.80
 i 06 29.00

SAL 1.78 251 iSg 06 50.90
 eSn 06 26.20 1.8
 eSn 06 51.50
 KMR 2.02 24 iPg+ 06 30.00 2.1
 iSg 06 55.60
 PTJ 2.14 97 iPnc 06 31.30 1.6
 eSn 06 58.40
 ZAG 2.17 99 ePn 06 31.70 1.6
 i 06 35.00
 iSn 07 00.30
 ZAG 2.17 99 iPnd 06 34.90 4.8X
 iSn 07 00.20
 iSg 07 04.20
 MDI 2.28 260 P 06 32.80 1.1
 eSn 07 03.00
 RSM 2.31 188 P 06 33.50 1.4
 SFI 2.42 199 P 06 34.50 0.9
 eSn 07 06.50
 PGD 2.49 200 P 06 35.50 0.7
 eSn 07 06.90
 MME 2.56 219 P 06 37.20 1.3
 eSn 07 09.60
 CRE 2.68 195 P 06 39.20 1.7
 eSn 07 12.10
 BDI 2.71 218 P 06 39.00 1.1
 eSn 07 13.00
 ARV 2.72 180 Pc 06 39.10 1.1
 BOB 2.84 241 P 06 41.70 1.9
 VAI 2.91 265 Pd 06 41.90 1.3
 WET 2.93 359 iPnc 06 41.60 0.6
 KHC 2.95 8 ePn 06 41.70 0.4
 ePg 06 51.20
 eSn 07 18.60
 eSg 07 26.50
 PII 3.02 215 P 06 42.60 0.5
 eSn 07 19.30
 VKA 3.09 47 iPg 06 44.30 1.1
 iSg 07 23.40
 ASS 3.15 184 Pd 06 45.10 1.0
 ZST 3.47 54 ePn 06 58.00 9.4X
 i 07 02.50
 i 07 34.80
 i 07 46.60
 ORX 3.50 262 P 06 48.52 -0.6
 S 07 19.93
 PCP 3.51 243 P 06 50.16 1.0
 S 07 23.01
 GRF 3.66 342 ePn 06 50.70 -0.7
 ePg 07 03.00
 CKI 3.73 243 Pc 06 53.60 1.2
 FEL 3.75 298 P 06 52.98 0.3
 AQU 3.88 175 P 06 54.80 0.4
 FIN 3.89 241 P 06 54.77 0.2
 BBS 3.92 291 P 06 55.70 0.7
 PRU 3.93 15 Pn 06 55.00 -0.1
 Pg 07 10.50
 Sn 07 36.50
 Sg 07 58.00
 HVAR 3.94 139 iPnd 06 56.30 1.0
 iSn 07 43.40
 ROB 4.05 244 P 06 56.93 0.1
 LSD 4.10 261 P 06 57.34 -0.4
 RSP 4.11 257 P 06 55.39 -2.4
 S 07 32.05
 HOF 4.16 351 iPnc 06 57.70 -0.7
 BHB 4.21 253 P 06 57.59 -1.5
 S 07 37.43
 IMI 4.25 239 P 06 59.18 -0.5
 MOF 4.28 295 P 07 00.46 0.2
 LOMF 4.34 287 P 07 01.31 0.3
 DOI 4.35 249 P 06 59.40 -1.8
 LPG 4.37 263 Pn 07 02.20 0.5
 WLS 4.38 302 P 07 01.57 0.0
 LPL 4.38 263 Pn 07 02.40 0.6
 ECH 4.41 299 P 07 01.99 0.0
 STV 4.42 246 P 07 00.92 -1.2
 RSL 4.42 265 P 07 02.81 0.5
 CDF 4.43 302 P 07 02.17 -0.1
 PZZ 4.45 249 P 07 00.82 -1.7
 RDP 4.46 182 P 07 02.40 -0.3
 AUTN 4.48 242 P 07 03.38 0.3
 BSF 4.49 293 P 07 03.31 0.1
 RRL 4.50 255 P 07 02.26 -1.2
 MOX 4.52 349 iPn 07 02.80 -0.7
 0.7s 33.00nm
 iPg 07 22.50
 iSn 07 53.00

iSg 08 18.00
 GWF 4.53 310 P 07 03.87 0.3
 BNI 4.53 257 P 07 03.30 -0.5
 SBF 4.55 241 Pn 07 04.60 0.1
 Sn 07 52.20
 SDI 4.55 172 P 07 03.80 -0.2
 PGF 4.62 219 Pn 07 04.60 -0.4
 Sn 07 53.70
 DUI 4.69 166 P 07 05.40 -0.6
 BRG 4.71 8 iPn 07 05.20 -1.0
 iPg 07 22.80
 i 07 48.00
 i 07 56.00
 i 08 22.00
 HAU 4.83 294 Pn 07 08.00 0.0
 Sn 08 00.20
 TNS 5.00 325 ePc 07 10.20 -0.2
 e 08 34.30
 PSZ 5.06 68 eP 07 18.00 6.8X
 CLL 5.10 1 iPn 07 10.50 -1.2
 0.6s 77.00nm 5.5mb X
 iSn 08 06.90
 iSg 08 35.50
 VITF 5.13 295 P 07 12.46 0.2
 KSP 5.14 25 eP 07 11.00 -1.3
 iS 08 24.00
 i 08 36.00
 FRF 5.19 241 Pn 07 12.80 -0.2
 Sn 08 07.80
 BRY 5.21 128 ePn 07 14.00 0.7
 eSn 08 14.00
 LMR 5.40 240 Pn 07 14.80 -1.1
 Sn 08 12.00
 LRG 5.42 242 Pn 07 15.50 -0.8
 BGG 5.47 319 iPd 07 17.40 0.5
 HCY 5.49 131 ePn 07 17.00 -0.3
 CDR 5.68 246 eP 07 21.30 1.4
 e 08 19.90
 WLF 5.71 310 iPd 07 21.66 1.4
 SPC 5.77 56 eP 07 35.30 14.0X
 BDV 5.78 131 ePn 07 20.70 -0.6
 TTG 5.91 128 ePn 07 23.00 -0.1
 eSn 08 29.50
 BRT 6.17 148 P 07 24.40 -2.4
 LBF 6.21 280 Pn 07 26.20 -1.2
 SMF 6.29 277 Pn 07 27.80 -0.8
 LOR 6.32 283 Pn 07 28.10 -0.8
 MEM 6.37 316 iPc 07 29.66 0.1
 MGR 6.37 162 P 07 28.70 -1.0
 ENN 6.51 317 iPnc 07 31.60 0.0
 0.5s 58.00nm 5.8mb X
 i 07 35.40
 eSn 08 46.00
 e 08 49.50
 SSF 6.54 281 Pn 07 30.30 -1.8
 AVF 6.63 278 Pn 07 32.20 -1.1
 LACI 6.70 131 e(P) 07 31.90 -2.4
 DOU 6.79 308 Pc 07 37.20 1.7
 iS 08 49.10
 CSI 6.89 158 P 07 36.90 -0.1
 LCI 6.93 146 P 07 36.30 -1.1
 BGF 6.98 276 Pn 07 37.10 -1.1
 TIR 6.99 132 e(P) 07 41.00 2.6X
 WTS 7.04 327 ePn 07 40.00 1.0
 i 07 50.00
 eS 09 14.00
 PHP 7.06 127 e(P) 07 30.00 -9.3X
 SNF 7.18 310 iP 07 43.20 2.2
 MAF 7.19 274 Pn 07 40.10 -1.0
 CZI 7.38 160 P 07 42.60 -1.2
 TCF 7.43 274 Pn 07 43.80 -0.7
 SKO 7.45 122 ePn 07 42.00 -2.8
 OHR 7.65 129 ePn 07 46.80 -0.9
 TPE 7.86 136 e(P) 07 44.50 -6.0X
 VAY 8.52 122 ePn 07 58.60 -1.1
 LDF 9.16 290 Pn 08 07.80 -0.8
 FLN 9.43 291 Pn 08 10.80 -1.5
 GRR 9.61 288 Pn 08 13.30 -1.5
 NB2 14.89 357 P 09 16.80 -8.7X
 0.7s 3.00nm 3.9mb
 S.D. = 1.1 on 112 of 121 obs.
 % JUN 11, 1991 08h 06m 41.15 ± 1.21s
 40.353 N ± 9.4km 23.193 E ± 11.8km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

THE 0.33 328 ePd 06 47.72 -0.2
eS 06 52.72
SOH 0.48 15 iPc 06 49.69 -1.3
PAIG 0.57 139 ePc 06 52.40 -0.2
SRS 0.82 22 ePd 06 58.72 1.7
KNT 0.84 345 ePc 06 56.96 -0.4
eS 07 07.08
GRG 0.85 315 ePd 06 58.08 0.5

S.D. = 1.3 on 6 of 6 obs.

% JUN 11, 1991 08h 41m 40.02 ± 0.89s
39.171 N ± 6.9km 27.628 E ± 12.3km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.5 (ISK).

IZM 0.82 200 ePg 41 56.00 0.0
eSg 42 07.10
DST 0.89 60 ePn 41 57.00 -0.1
EDC 1.19 9 ePn 42 02.00 -0.2
BNT 1.21 11 ePn 42 02.90 0.4
KGT 1.30 349 ePn 42 03.90 -0.2

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

% JUN 11, 1991 08h 54m 34.39 ± 0.92s
39.113 N ± 7.7km 27.558 E ± 14.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.6 (ISK).

IZM 0.75 198 ePg 54 49.00 -0.1
eSg 55 01.10
DST 0.96 59 ePn 54 53.00 0.2
EDC 1.25 11 ePn 54 57.00 -0.7
BNT 1.27 13 ePn 54 57.90 -0.1
KGT 1.35 352 ePn 54 59.90 0.7

S.D. = 0.7 on 5 of 5 obs.

JUN 11, 1991 08h 55m 04.41 ± 0.49s
46.254 N ± 5.4km 12.896 E ± 4.9km
DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

ML 3.0 (VIE). MD 2.9 (LJU), 2.8 (TRI).

FVI 0.35 347 Pd 55 10.00 -1.6
eSg 55 14.60
VOY 0.73 107 ePg 55 17.20 -1.6
eSg 55 29.20
TRI 0.81 132 ePg 55 18.50 -1.7
iSg 55 31.30
CTI 0.89 257 P 55 21.20 -0.4
eSg 55 34.20
LJU 1.16 100 ePg 55 27.40 1.3
eSg 55 43.00
CEY 1.19 115 ePg 55 27.40 0.9
eSg 55 44.90
WTTA 1.33 320 iPgc 55 28.70 -0.4
iSg 55 46.90
RIY 1.38 131 iPn 55 29.80 0.1
iSn 55 49.50
OGA 1.43 296 iPgd 55 32.10 1.5
BHG 1.47 360 ePg 55 33.00 2.1
VBY 1.81 114 ePn 55 36.50 0.6
eSg 56 01.00
MDI 2.27 259 P 55 42.00 -0.5
CRE 2.71 195 P 55 49.40 0.5
WET 2.89 360 ePn 55 50.70 -0.7
KHC 2.92 9 eP 55 51.50 -0.2
ePg 56 02.60
e 56 27.00
eSg 56 35.00

CKI 3.73 242 P 56 03.30 0.0
S.D. = 1.2 on 16 of 16 obs.

% JUN 11, 1991 10h 06m 19.45s
59.825 N 151.990 W
DEPTH = 71.2km
KENAI PENINSULA, ALASKA (14)
<AEIC>.

HOM 0.24 133 ePd 06 30.21 -0.3
eS 06 37.93
XLV 0.40 160 ePd 06 30.60 -1.0
NNL 0.41 158 iPc 06 32.19 0.4
CNPM 0.49 128 iPc 06 31.98 -0.5
eS 06 41.61

RSO 0.74 329 iPc 06 34.83 -0.6
RS2 0.75 329 iPc 06 34.89 -0.5
eS 06 46.28
REF 0.76 332 iPd 06 34.86 -0.6
iS 06 46.83
RDW 0.78 329 iPc 06 35.11 -0.6
iS 06 47.51

RDT 0.78 345 iPd 06 34.85 -0.8
eS 06 47.06
RDN 0.79 331 iPd 06 35.18 -0.7
iS 06 47.36

AUE 0.84 237 ePd 06 35.36 -1.0
DFR 0.84 336 ePd 06 35.68 -0.8
iS 06 48.63

AUH 0.87 239 ePc 06 36.05 -0.7
NCT 0.88 328 iPc 06 36.13 -0.7
iS 06 49.51

AUI 0.88 237 eP 06 35.72 -1.1
eS 06 48.37
NKA 0.99 22 iPd 06 39.51 1.3
PDB 1.11 269 iPc 06 38.28 -1.4
eS 06 52.92

SLKM 1.12 51 eP 06 39.99 0.2
CDD 1.23 224 ePd 06 40.09 -1.2
eS 06 56.39

SYI 1.24 190 ePd 06 40.41 -0.9
eS 06 57.05
SEW 1.31 77 eP 06 41.49 -0.8

MCNL 1.36 243 ePc 06 41.22 -1.7
eS 06 57.99
CKL 1.39 353 iPd 06 43.22 -0.2

CRP 1.45 357 ePd 06 44.34 0.0
S 07 02.15
BGL 1.46 352 ePd 06 44.25 -0.1

CGLM 1.49 360 ePd 06 44.70 -0.1
NCG 1.59 357 iPd 06 46.20 0.1
SUA 1.76 20 ePd 06 48.43 0.0

PMS 1.86 39 iPd 06 49.90 0.0
LTI 2.09 82 eP 06 51.27 -1.7
KDC 2.10 187 ePd 06 50.87 -2.2

PWA 2.11 29 eP 06 52.98 -0.1
SKT 2.17 6 ePd 06 53.84 -0.3
MTU 2.19 84 eP 06 52.95 -1.4
eS 07 19.11

KNIM 2.20 74 ePc 06 52.35 -2.1
SVW 2.21 307 iPc 06 52.92 -1.8
eS 07 18.90

PLRM 2.26 37 iPd 06 54.38 -0.9
KNK 2.36 46 eP 06 55.84 -0.9
GHO 2.46 36 ePd 06 57.35 -0.9
eS 07 26.78

GLI 2.65 64 ePc 06 58.37 -2.4
SML 2.68 40 ePd 07 00.12 -1.0
CUT 2.72 17 eP 07 01.25 -0.4

VZW 2.96 63 ePc 07 03.06 -2.1
SCM 3.04 47 eP 07 05.59 -0.7
VLZ 3.09 62 eP 07 05.03 -1.8

HUR 3.36 19 eP 07 10.57 -0.1
KLU 3.42 58 ePd 07 10.00 -1.6
TOA 3.64 49 eP 07 13.52 -1.1

TRF 3.73 12 eP 07 14.58 -1.4
RND 3.89 21 eP 07 17.41 -0.8
GLB 4.34 65 ePd 07 21.99 -2.5

TGL 4.65 74 eP 07 27.18 -1.7
BALM 4.93 72 eP 07 30.61 -2.2
WRH 5.01 20 ePd 07 31.75 -2.0

CCB 5.22 20 eP 07 34.55 -2.1
CTGM 5.41 73 eP 07 38.21 -1.3
MDM 5.44 17 eP 07 37.69 -2.1

FBA 5.45 19 eP 07 37.90 -2.1
GLM 5.60 20 eP 07 40.30 -1.8
BCPM 6.22 83 eP 07 48.35 -2.3

PNL 6.37 86 ePc 07 50.27 -2.4
HON 6.66 88 eP 07 53.60 -3.1

62 obs. associated

* JUN 11, 1991 10h 23m 57.89 ± 1.33s
1.577 N ± 18.7km 123.333 E ± 15.6km
DEPTH = 33.0km (normal)

4.5mb (3 obs.)
MINAHASSA PENINSULA (265)

TSM 5.87 297 iPd 25 26.00 1.0
DAV 5.91 22 eP 25 34.20 8.7X
MKS 7.77 210 iPc 25 52.60 1.0
KGM 20.01 272 eP 28 29.30 -1.5
IPM 22.47 278 ePc 29 04.40 8.5X

WB2 23.96 154 iPd 29 10.70 0.3
0.6s 29.10nm 5.0mb
ASPA 27.12 158 eP 29 39.90 -0.1
0.5s 5.70nm 4.5mb
QIS 27.17 145 eP 29 41.00 0.6
WARB 27.78 174 eP 29 44.40 -1.6
MEKA 28.41 189 eP 29 47.00 -4.6X
STK 37.51 154 eP 31 10.90 0.3
1.2s 3.80nm 4.1mb

S.D. = 1.2 on 8 of 11 obs.

? JUN 11, 1991 10h 34m 37.51 ± 5.61s
39.500 N ± 41.5km 29.543 E ± 24.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.8 (ISK).

IZI 0.84 356 iPg 34 53.10 -0.6
EYL 1.16 24 ePn 34 59.30 0.0
HRT 1.32 4 ePn 35 03.40 1.4
BNT 1.51 305 ePn 35 05.40 0.7
EDC 1.54 304 ePn 35 05.50 0.4
ISK 1.61 347 ePn 35 07.00 1.0
KGT 1.97 300 ePn 35 11.30 0.1

S.D. = 0.9 on 7 of 7 obs.

? JUN 11, 1991 11h 26m 45.92 ± 0.94s
2.385 S ± 15.1km 136.331 E ± 29.3km
DEPTH = 33.0km (normal)

4.1mb (4 obs.)

WEST IRIAN REGION (196)

WB2 17.56 186 iPd 31 00.90 11.0X
0.5s 3.30nm
PLP 17.57 320 eP 30 50.00 0.0
ASPA 21.29 186 eP 31 32.10 0.1
0.6s 3.70nm 4.0mb
STK 29.76 171 iPc 32 55.00 3.3X
0.6s 1.60nm 4.0mb

e 33 05.20
e 36 09.20

FBA 86.18 24 P 39 23.50 -1.4
1.0s 1.90nm 4.3mb
SPA 87.63 180 eP 39 32.00 -0.1
0.8s 7.92nm 5.0mb

INK 92.25 22 eP 39 55.00 1.5
S.D. = 1.5 on 5 of 7 obs.

JUN 11, 1991 11h 27m 08.94 ± 0.83s
6.233 S ± 8.3km 154.312 E ± 6.2km
DEPTH = 66.9 ± 9.3 km

4.5mb (6 obs.)

SOLOMON ISLANDS (193)

RAB 2.94 313 e(P) 27 54.00 -0.3
iS 28 40.00
VSG 6.13 120 eP 28 40.00 0.9
eS 29 55.00

SVO 6.18 118 eP 28 40.00 0.4
eS 30 22.00
HNR 6.42 120 P 28 43.00 -0.1
S 30 03.00

PMG 7.76 246 eP 29 01.00 -0.6
0.8s 200.96nm 5.9mb X
eS 30 19.00

DZM 19.63 145 iPd 31 33.00 -2.1
RMO 20.83 194 iPc 31 47.70 0.4
1.0s 39.00nm 4.7mb

WB2 23.70 233 eP 32 17.10 1.4
0.7s 5.90nm 4.1mb
WRA 23.71 233 P 32 16.00 0.2
0.7s 6.70nm 4.2mb

ASPA 26.19 226 eP 32 38.90 -0.3
0.9s 5.60nm 4.1mb
LZH 63.30 316 eP 37 27.00 -6.4X
1.0s 15.00nm 5.0mb

GUN 74.15 301 Pc 38 41.06 0.2
0.8s 93.00nm 5.8mb X
PKI 74.45 301 Pc 38 42.42 -0.2
1.0s 83.00nm 5.6mb X

KKN 74.62 301 Pc 38 43.48 0.0
0.8s 74.00nm 5.7mb X
DMN 74.72 301 Pc 38 44.38 0.3
0.8s 124.00nm 5.9mb X

GKN 75.23 301 Pc 38 46.82 0.0
0.8s 102.00nm 5.8mb X
TNP 92.60 52 P 40 14.80 -0.1

11d 11h

1.0s 7.50nm 5.1mb
S.D. = 0.8 on 16 of 17 obs.
% JUN 11, 1991 13h 09m 24.33± 3.72s
42.990 N ± 29.7km 18.677 E ± 8.5km
DEPTH = 10.0km (geophysicist)
YUGOSLAVIA (383)
MD 1.7 (TTG).

BRY 0.13 228 iPg 09 27.32 -0.3
iSg 09 29.90
NKY 0.29 127 iPg 09 30.35 -0.2
iSg 09 35.50
HCY 0.56 194 ePg 09 35.29 -0.4
iSg 09 44.09
TTG 0.71 142 iPg 09 37.59 -0.6
iSg 09 48.69
BDV 0.71 171 iPg 09 38.07 -0.3
iSg 09 49.69
S.D. = 0.2 on 5 of 5 obs.

* JUN 11, 1991 13h 25m 53.16± 1.05s
6.026 S ± 16.4km 145.458 E ± 10.6km
DEPTH = 132.3 ± 13.0 km
4.2mb (3 obs.)
PAPUA NEW GUINEA (202)

YYYY 0.55 113 eP 26 13.30 0.1
eS 26 27.20
MDG 0.83 23 iPc 26 14.50 -0.5
LAT 1.65 112 iPd 26 24.10 0.6
MNDI 1.79 266 eP 26 25.90 0.5
PMG 3.76 154 iPd 26 50.00 -0.5
0.8s 216.42nm
eS 27 33.00
WB2 17.55 217 iPd 29 50.50 -0.6
0.3s 8.30nm 4.5mb
ASPA 20.77 211 iPd 30 25.40 0.0
0.9s 6.00nm 4.0mb
STK 25.98 188 iPd 31 15.70 0.5
0.5s 3.30nm 4.2mb
e 31 45.00
e 34 18.50
S.D. = 0.7 on 8 of 8 obs.

* JUN 11, 1991 14h 07m 14.98± 1.01s
22.260 S ± 16.9km 170.165 E ± 16.2km
DEPTH = 33.0km (normal)
4.3mb (5 obs.)
LOYALTY ISLANDS REGION (189)

DZM 3.45 272 iPd 08 06.90 -1.0
iS 08 46.30
PVC 4.82 338 iP 08 29.00 1.8
iS 09 30.50
RMO 19.95 254 eP 11 49.00 1.8
CMS 23.53 242 eP 12 25.00 1.9
QLP 23.98 254 eP 12 30.00 2.5X
STK 27.12 243 iPd 12 57.90 0.9
0.8s 2.60nm 3.9mb
ASPA 33.37 260 eP 13 51.60 -0.9
0.8s 3.10nm 4.3mb
WB2 33.44 267 ePd 13 51.90 -1.3
0.5s 3.30nm 4.5mb
WRA 33.46 267 P 13 51.00 -2.3
1.1s 3.00nm 4.1mb
MAT 65.81 332 eP 17 57.00 -2.2
CHG 80.69 295 eP 19 28.20 1.5
LZH 85.38 312 eP 19 51.00 0.4
1.5s 20.00nm 5.1mb
sP 20 08.50
KMY 141.54 348 iPKP 26 37.78 -6.3X
KSP 144.94 331 ePKPc 26 48.60 -1.6
BRG 145.94 333 iPKP 26 51.60 -0.3
1.0s 28.00nm
i 27 03.40
SRO 145.97 325 ePKP 26 52.60 0.6
CLL 146.00 334 iPKPc 26 51.70 -0.2
1.1s 25.00nm
iP 27 10.60
PRU 146.34 331 ePKP 26 53.00 0.5
ZST 146.35 327 ePKP 26 53.00 0.4
KHC 147.39 331 PKP 26 56.50 2.2X
1.0s 5.30nm
GRF 147.98 334 e(PKP) 27 01.50 6.3X
S.D. = 1.5 on 17 of 21 obs.

* JUN 11, 1991 14h 24m 22.18± 1.30s
36.563 N ± 12.2km 70.835 E ± 8.3km
DEPTH = 194.0 ± 16.5 km
4.0mb (9 obs.)
HINDU KUSH REGION (718)

QUE 7.14 208 iPc 26 05.40 0.2
eS 27 22.40
MAIO 9.14 272 ePn 26 31.00 -0.4
eSn 27 58.00
NDI 9.52 144 iPc 26 35.80 -0.3
eS 28 13.00
GKN 14.45 122 P 27 39.94 0.8
0.3s 18.00nm 5.0mb
DMN 15.02 122 P 27 46.42 0.1
KKN 15.02 122 P 27 46.54 0.2
PKI 15.25 122 P 27 48.70 -0.5
0.5s 22.00nm 4.8mb
GUN 15.36 120 P 27 49.98 -0.6
HYB 20.26 158 eP 28 44.50 0.3
GBA 23.62 164 Pc 29 18.00 1.2
0.6s 4.50nm 4.3mb
HFS 42.94 322 eP 32 02.90 -0.1
0.2s 0.40nm 3.6mb
NB2 44.25 323 P 32 12.80 -0.8
0.7s 1.30nm 3.6mb
MBC 67.28 3 eP 34 58.50 1.3
0.5s 2.00nm 4.1mb
INK 73.87 9 eP 35 37.50 0.8
YKA 81.19 3 eP 36 16.80 0.0
0.6s 1.30nm 3.8mb
WB2 82.15 122 eP 36 20.20 -2.3
1.0s 2.70nm 3.9mb
ASPA 84.40 125 eP 36 29.60 -4.3X
1.6s 4.30nm 3.9mb
S.D. = 1.0 on 16 of 17 obs.

JUN 11, 1991 14h 32m 47.96± 0.10s
18.209 S ± 3.5km 178.409 W ± 3.0km
DEPTH = 627.8km (5 depth phases)
5.5mb (72 obs.)
FIJI ISLANDS REGION (181)
mb 5.1 (BRK).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 29C
Centroid Location:
Origin Time 14:32:56.1 0.6
Lat 17.92S 0.06 Lon 178.47W 0.04
Dep 663.7 3.3 Half-duration 2.8
Moment Tensor: Scale 10**17 Nm
Mrr=-1.94 0.08 Mtt= 0.84 0.12
Mff= 1.11 0.12 Mrt= 0.04 0.10
Mrf=-1.57 0.10 Mtf= 0.60 0.11
Principal Axes:
T Val= 2.02 Plg=19 Azm=116
N 0.61 13 21
P -2.63 66 259
Best Double Couple: Ma=2.3*10**17
NP1: Strike=228 Dip=28 Slip=-61
NP2: 15 66 -105

KRO 2.28 293 iPd 34 08.50 1.3
NDE 2.70 306 ePd 34 08.50 0.1
OVA 2.72 280 iP 34 10.90 2.5
SVA 2.98 271 ePd 34 11.90 2.3
VUN 2.98 273 ePd 34 11.90 2.2
MBU 3.00 294 ePd 34 12.60 2.8
SGE 3.55 279 iP 34 10.90 -2.2
NDF 3.97 276 iPc 34 10.30 -5.3X
eS 35 23.00
AFI 7.67 57 iPd 34 45.30 -0.4
eS 35 06.00
PVC 12.65 270 iPc 35 35.30 2.5
BKM 12.72 270 iPc 35 36.70 3.1X
DZM 14.73 252 iPc 35 54.80 1.7
iS 38 27.70
PUZ 20.01 188 eP 36 42.60 0.4
NOZ 20.57 188 eP 36 46.80 -0.4
HNR 22.73 290 P 37 10.00 3.1X
MNG 22.95 192 eP 37 06.20 -2.4
SVO 22.97 290 P 37 17.00 8.0X
VSG 23.02 290 P 37 10.00 0.5
KIW 23.30 193 eP 37 10.10 -1.6
CAW 23.50 192 eP 37 11.80 -1.7
WDW 23.67 192 eP 37 13.90 -1.1
MRW 23.70 193 eP 37 13.50 -1.7

THZ 24.62 196 eP 37 23.40 -0.1
KHZ 25.09 194 P 37 26.50 -0.9
0.3s 33.00nm 5.4mb
LTZ 25.74 196 P 37 32.00 -1.2
AFR 27.25 93 iP 37 46.50 0.0
1.3s 345.00nm 5.8mb
PAE 27.42 93 iP 37 48.10 0.1
1.3s 315.00nm 5.8mb
PPT 27.44 93 iP 37 48.50 0.4
1.3s 415.00nm 5.9mb
TBI 27.52 106 iP 37 49.80 1.0
1.2s 215.00nm 5.7mb
PPN 27.58 93 iP 37 49.50 0.2
1.3s 225.00nm 5.6mb
TVO 27.72 94 iP 37 50.80 0.1
1.3s 205.00nm 5.6mb
BRS 28.04 246 iPc 37 54.00 0.7
i(PcP) 40 47.60
iS 42 00.00
i(ScP) 43 32.70
MHZ 28.68 198 P 37 57.70 -1.0
MSZ 28.76 201 eP 38 00.50 1.3
TLC 28.86 199 P 37 59.90 -0.4
PMO 29.39 88 iP 38 05.40 0.5
1.3s 440.00nm 5.9mb
VAH 29.61 89 iP 38 06.90 0.2
1.3s 240.00nm 5.7mb
COO 29.62 240 iPc 38 07.50 0.7
i 43 37.60
TPT 29.66 88 iP 38 07.60 0.4
1.3s 275.00nm 5.7mb
RUV 29.85 89 iP 38 09.10 0.4
1.3s 330.00nm 5.8mb
RMO 31.40 249 iPc 38 23.10 1.3
0.6s 193.00nm 5.9mb
i 38 34.50 43kmX
i 40 56.50
i 43 43.30
CNB 33.24 233 iPc 38 39.00 1.8
CAN 33.52 233 eP 38 41.40 1.9
BWA 33.65 235 eP 38 40.20 -0.4
PMG 34.51 280 iPd 38 49.00 1.2
1.0s 730.00nm 6.2mb
CMS 34.88 241 e(P) 38 52.00 1.3
i 40 22.70 518kmX
i 41 06.20
QLP 35.43 250 iPc 38 56.20 1.0
0.4s 474.00nm 6.4mb
i 39 06.70 36kmX
i 43 57.40
LAT 35.60 284 eP 38 58.40 1.7
TOO 36.98 231 iP 39 10.00 2.1
0.4s 101.00nm 5.7mb
MDG 37.26 286 eP 39 12.10 1.8
TAU 38.02 222 eP 39 23.00 6.8X
e 41 20.00
STK 38.49 241 iPd 39 21.70 1.5
0.6s 93.40nm 5.5mb
iP 41 17.30
iScP 44 08.50
ePcS 44 32.90
BFD 39.06 233 iPc 39 25.90 1.2
0.2s 34.00nm 5.5mb
i 41 18.50
QIS 39.60 260 iPd 39 29.00 -0.3
0.7s 49.00nm 5.1mb
e 44 11.00
RKT 40.82 104 iP 39 40.60 1.7
1.2s 175.00nm 5.4mb
ADE 41.48 238 iPd 39 45.00 1.0
1.0s 410.00nm 5.9mb
WB2 44.57 260 iPd 40 07.70 -0.5
0.6s 238.50nm 5.8mb
i 40 16.90 31kmX
i 41 37.40
eS 45 53.90
WRA 44.58 260 P 40 07.00 -1.3
0.6s 235.80nm 5.8mb
ASPA 44.71 255 iPd 40 09.50 0.2
1.1s 702.70nm 6.0mb
GUA 48.00 309 ePd 40 33.90 -0.3
1.0s 1000.00nm 6.2mb
GUMO 48.06 309 ePd 40 34.20 -0.5
0.8s 468.52nm 6.0mb
PJG 48.06 309 ePd 40 34.00 -0.7
MTN 48.79 269 iPd 40 39.10 -1.0
0.3s 215.00nm 6.1mb

FORR	49.85	245	iPd	40	47.00	-0.6	NJ2	78.13	310	iPd	43	46.00	0.8		0.9s	9.90nm	4.6mb				
	0.4s	125.00nm				5.7mb		1.0s	200.00nm				5.6mb	GOL	89.06	48	P	44	39.60	0.4	
KNA	50.44	264	iPd	40	51.30	-0.9			S	52	52.50				1.0s	16.25nm	4.9mb				
	0.4s	76.00nm				5.4mb	WDC	78.17	40	ePd	43	46.00	0.7	CHG	89.10	290	iPd	44	40.60	1.2	
WARB	51.18	251	iPd	40	57.30	-0.2			esP	45	56.20				0.9s	77.73nm	5.6mb				
	0.3s	48.00nm				5.3mb	ORV	78.22	41	ePd	43	46.02	0.5	CD2	89.23	303	eP	44	40.80	0.9	
AAI	54.16	279	ePd	41	15.90	-2.8	MDJ	78.43	325	iPd	43	47.20	0.7		1.2s	40.00nm	5.2mb				
COOL	55.83	245	iPd	41	29.00	-1.1			1.0s	40.00nm			4.9mb		S	54	41.50				
	0.3s	17.00nm				4.8mb	MIN	78.61	41	eP	43	48.35	0.5	YAK	89.83	338	iPd	44	40.70	-1.1	
MBL	57.91	256	iPd	41	43.50	-0.8	KDC	78.68	14	ePd	43	47.70	0.2			ePcP	44	57.00			
	0.5s	83.00nm				5.2mb	CLC	78.71	46	eP	43	49.00	0.7			epP	45	09.00	107kmX		
MEKA	58.40	250	eP	41	46.50	-1.1			e	46	03.00	650kmX				ePP	47	38.00			
KLB	58.69	244	iPd	41	48.70	-0.7	TPC	78.90	49	eP	43	56.00	6.7X			eS	54	10.00			
	0.3s	35.00nm				5.1mb			e	46	03.00	604kmX				iScS	54	37.00			
NWAO	59.07	242	eP	41	51.30	-0.6	GSC	78.98	47	eP	43	50.00	0.2			esS	54	48.00			
	0.6s	30.00nm				4.7mb			e	46	02.00	636km				ePS	54	58.00			
BAL	59.66	245	iPd	41	54.90	-0.9	LBFM	79.02	40	P	43	50.40	0.4	BRW	90.52	7	ePd	44	44.80	0.0	
	0.7s	112.00nm				5.2mb	GLA	79.25	50	eP	43	52.00	0.9	NVL	90.97	183	ePc	44	47.00	-0.1	
MUN	59.99	243	iPc	41	57.80	-0.2	BONR	79.38	44	P	43	52.70	0.6	LZH	91.07	308	iPd	44	49.50	1.1	
	0.8s	139.00nm				5.2mb	KGM	79.50	276	ePd	43	53.90	1.1		1.5s	170.00nm			5.8mb		
SBA	60.12	184	iPd	42	00.90	2.8			0.8s	104.20nm			5.4mb			eS	54	58.50			
MRWA	60.39	246	eP	41	59.80	-0.8	QIZ	79.57	294	P	43	53.90	0.9	RSSD	91.78	44	P	44	51.50	0.0	
NANU	61.64	254	iPd	42	09.00	0.2	KVN	80.11	43	P	43	56.40	0.7			0.9s	20.91nm		5.2mb		
CSY	65.87	205	eP	42	34.70	0.0	TNP	80.17	45	P	43	56.30	0.3	INK	92.17	15	ePd	44	51.40	-1.1	
	0.7s	16.40nm				4.6mb			pP	46	07.00	625km				0.8s	38.00nm		5.5mb		
TSM	66.42	283	ePc	42	42.00	3.1X	PDB	80.18	12	P	43	54.00	-1.3	GTA	95.22	310	iPd	45	07.00	-0.2	
KAKJ	66.80	324	P	42	40.10	-0.7	SNY	80.21	320	iPd	43	55.60	-0.3		1.2s	30.00nm			5.4mb		
CHJJ	67.35	324	P	42	43.40	-0.7			0.8s	100.00nm			5.4mb	MBC	100.63	12	ePdiff	45	30.00	-0.5	
IIDJ	67.57	322	P	42	44.80	-0.7			S	53	07.00				0.6s	5.00nm			5.1mb		
PPR	67.98	289	iPd	42	57.50	9.2X	CN2	80.26	322	iPd	43	56.40	0.3	ZOBO	103.30	112	Pdiff	45	50.00	5.6X	
OFUJ	68.14	327	eP	42	47.50	-1.3			1.0s	200.00nm			5.6mb	Z	24s	0.13um			4.4MsZ		
MAT	68.15	323	iPd	42	47.90	-1.1	WHN	80.78	306	iPd	44	00.00	1.0			LR	10	40.00			
	0.8s	96.27nm				5.3mb			1.6s	300.00nm			5.6mb	WMO	105.13	312	ePdiff	45	51.80	0.4	
		eS	51	04.00					S	53	19.00			QUE	119.90	295	iPKPd	50	30.40	-0.1	
NIJ	68.20	324	P	42	48.50	-0.7	SVW	81.13	11	ePd	44	00.10	-0.1	KEV	126.16	349	iPKP	50	40.00	-1.1	
YAMJ	68.32	326	eP	42	49.40	-0.5	BMW	81.34	35	P	44	01.60	0.0		1.0s	56.00nm					
MTMJ	68.41	323	P	42	49.90	-0.7	TIA	81.45	312	eP	44	01.90	-0.4	MAIO	126.23	302	iPKPd	50	42.00	-0.5	
TSRJ	68.74	321	P	42	52.10	-0.4	GMW	82.23	34	P	44	06.60	0.6		1.0s	15.00nm					
CVP	68.76	298	iPc	42	53.00	0.1	LON	82.28	35	P	44	06.00	-0.3			e	52	44.00			
	1.0s	99.00nm				5.2mb	IPM	82.49	277	ePd	44	13.20	5.2X	SOD	128.29	348	iPKP	50	43.60	-1.6	
KUSJ	69.79	332	P	42	57.60	-0.9			0.9s	304.40nm			5.9mb	SOB1	129.99	119	ePKP	50	49.60	-0.5	
ADK	69.81	1	P	42	56.50	-1.9	PGC	82.56	33	eP	44	08.00	0.5			e	53	15.00			
	0.6s	103.45nm				5.5mb	TTA	82.77	10	eP	44	08.90	0.5			e	53	28.60			
HOJ	69.87	331	eP	42	59.70	0.7	PMR	82.89	14	iPd	44	08.70	-0.2	CIR	131.18	218	iPKPd	50	54.40	2.2	
PIP	70.06	298	iPc	42	59.00	-1.6	MCW	82.90	33	P	44	10.00	0.7	KAF	132.85	344	ePKP	50	49.20	-4.9X	
SMY	70.94	355	P	43	03.50	-1.4	ANM	83.12	6	eP	44	09.80	-0.2	BUL	133.57	216	iPKP	50	56.30	-0.6	
	0.7s	110.47nm				5.5mb	KLU	83.56	15	P	44	11.30	-1.1	MTD	134.39	222	iPKPc	50	57.90	-0.6	
MRRJ	70.96	329	P	43	05.00	-0.3	MAW	83.58	200	iPd	44	13.80	1.4	OBN	134.56	332	iPKPc	50	57.80	0.3	
ASAJ	71.52	331	P	43	09.40	0.9	SNG	83.72	280	iPd	44	15.90	1.9		0.9s	*****nm					
SPA	71.91	180	iPd	43	12.00	1.2			0.9s	205.04nm			5.7mb			i	54	29.00			
	0.7s	33.20nm				5.0mb	MSU	83.80	46	P	44	15.20	0.9	NUR	134.64	344	iPKP	50	50.50	-7.0X	
SDN	74.82	10	P	43	25.10	-1.7	PSI	83.88	275	ePd	44	21.30	6.4X		0.7s	41.40nm					
OZH	74.84	303	Pd	43	27.50	-0.1	BJI	84.00	315	eP	44	15.00	0.1	KRI	135.58	220	iPKPc	51	00.00	-0.8	
	0.6s	100.00nm				5.5mb		1.5s	230.00nm			5.6mb	NB2	136.67	353	PKP	50	47.60	-13.8X		
SSE	75.93	310	iPc	43	32.50	-1.0			eS	53	50.00				0.8s	10.90nm					
	1.0s	62.00nm				5.1mb	TOA	84.03	15	iPd	44	15.00	0.3	UPP	136.82	348	iPKP	50	49.70	-11.9X	
		S	52	26.00			PNT	84.98	34	iPd	44	19.50	0.0	HFS	137.23	351	ePKP	50	49.40	-13.0X	
SYP	76.37	46	eP	43	37.00	1.0			0.8s	75.00nm			5.4mb		0.6s	10.80nm					
GCC	76.43	43	eP	43	37.10	1.0	GYA	85.18	300	Pd	44	21.80	0.7	KVT	142.73	315	ePKP	51	00.10	-12.8X	
PRS	76.44	44	ePd	43	37.29	1.1			1.0s	100.00nm			5.4mb	EKA	142.77	4	PKPc	51	08.90	-3.5X	
		esP	45	46.30			TIY	85.47	312	iPd	44	22.80	0.7		1.1s	32.60nm					
PCC	76.46	43	ePd	43	36.64	0.4			1.0s	100.00nm			5.4mb	AAE	142.80	261	ePKP	51	13.00	-1.1	
SAO	76.64	44	eP	43	37.70	0.4	NEW	85.75	36	P	44	23.00	-0.2	DMU	143.78	9	iPKPd	51	12.60	-1.5	
BCH	76.66	46	P	43	38.60	1.1			0.8s	27.08nm			5.0mb		0.6s	170.00nm					
BRK	76.75	42	ePd	43	38.30	0.5	IMA	86.06	10	ePd	44	24.50	0.0	KAS	144.10	317	ePKP	51	15.50	0.3	
BKS	76.77	42	eP	43	38.30	0.4	FBA	86.10	13	iPd	44	23.80	-0.7	DCN	144.26	9	iPKPd	51	14.20	-0.8	
	1.0s	48.00nm				4.9mb	ALO	86.28	52	eP	44	26.50	0.2	BRN	144.66	348	ePKP	51	16.50	0.8	
PR1	76.80	45	ePd	43	39.43	1.1			1.0s	21.25nm			4.8mb	PPE	144.75	328	ePKP	51	17.00	1.0	
		esP	45	49.00					epP	46	40.10	629km		PTT	144.84	330	ePKP	51	17.00	0.8	
MHC	76.84	43	ePd	43	39.10	0.6	ANMO	86.28	52	P	44	26.50	0.2	KRA	144.99	339	ePKP	51	15.90	-0.4	
ARN	76.92	43	P	43	39.40	0.6			0.9s	60.92nm			5.3mb		0.8s	198.00nm					
ABL	77.07	46	P	43	40.30	0.4			pP	46	40.40	630km				i	51	16.80			
PAS	77.42	48	eP	43	42.00	0.5	XAN	86.44	307	iPd	44	27.50	0.6			i	51	19.90			
FHC	77.43	39	ePd	43	40.20	-1.2			1.0s	200.00nm			5.8mb	CFR	145.17	326	ePKP	51	16.00	-0.7	
MWC	77.54	48	eP	43	43.00	0.6	LRM	87.20	40	ePd	44	30.70	0.3	WIT	145.24	355	ePKP	51	14.50	-2.1	
BAR	77.72	49	eP	43	44.00	0.9	HHC	87.48	314	Pd	44	32.40	0.7			e	51	18.00			
RVR	77.90	48	eP	43	44.00	0.0			1.2s	150.00nm			5.6mb	KSP	145.40	344	ePKPd	51	16.00	-1.0	
		e	45	58.00	652kmX				S	54	18.00										

CLL	145.75	347	iPKP	51	16.90	-0.6		0.7s	233.00nm			TIR	152.13	330	ePKP	51	38.70	11.1X		
	1.0s	450.00nm							ic	51	24.10	ORX	152.14	350	PKP	51	26.33	-1.3		
		i	51	18.90					i	51	29.70	LPL	152.44	352	ePKP	51	28.60	0.4		
CSTJ	145.78	299	PKP	51	18.66	0.4	IZM	149.91	317	ePKP	51	29.70	5.2X	1.0s	8.00nm					
BHL	145.83	304	PKPc	51	19.50	1.2	PTJ	149.92	340	ePKP	51	22.50	-1.8	LSD	152.44	352	PKP	51	28.49	0.2
BRG	145.95	346	iPKP	51	17.40	-0.5	FEL	149.95	351	PKP	51	23.20	-1.2	LPG	152.45	352	ePKP	51	28.90	0.6
		i	51	19.80			ZAG	149.99	340	iPKP	51	24.00	-0.3	0.8s	8.05nm					
		e	52	57.60			HAU	150.03	354	ePKP	51	24.00	-0.3	AGG	152.53	323	iPKPd	51	34.80	6.5X
			53	53.00				1.0s	16.00nm				BOB	152.71	348	PKP	51	36.00	7.6X	
HR1	145.96	303	ePKP	51	16.30	-2.3	PRK	150.04	320	ePKP	51	29.50	4.9X	RSP	152.72	351	PKP	51	27.67	-0.8
MDSJ	146.00	300	PKP	51	19.18	0.5	MOF	150.09	353	PKP	51	23.88	-0.7	TPE	152.86	328	ePKP	51	35.00	6.4X
WTS	146.04	354	ePKP	51	18.00	0.1	KOT	150.12	299	ePKP	51	30.50	5.5X	BNI	152.90	352	PKP	51	29.70	0.9
	0.8s	228.00nm					KKB	150.13	327	ePKP	51	23.00	-1.7	SFI	152.95	344	PKP	51	29.10	0.5
		id	51	20.00					i	51	30.00		RJF	152.98	0	ePKP	51	28.70	0.0	
MLR	146.09	329	iPKPc	51	17.00	-1.5	BSF	150.15	353	PKP	51	24.14	-0.5		1.0s	36.00nm				
PSN	146.14	324	iPKPd	51	20.00	1.6	LPF	150.18	4	ePKP	51	24.30	-0.2	RRL	153.02	352	PKP	51	29.41	0.4
GHZJ	146.19	298	PKPc	51	19.45	0.4		1.0s	36.00nm				BHB	153.02	351	PKP	51	27.05	-1.7	
PRU	146.63	345	PKPd	51	18.40	-0.6	FVI	150.22	344	PKP	51	23.00	-1.6	PGD	153.03	344	PKP	51	28.90	-0.1
	1.1s	134.60nm					LJU	150.24	342	ePKP	51	24.60	-0.1	ARV	153.03	342	PKP	51	29.00	0.2
		i	51	21.80					i	51	30.60		PCP	153.11	349	PKP	51	27.97	-1.0	
		i	51	25.00			OGA	150.38	347	ePKP	51	25.10	-0.1	LFF	153.34	1	ePKP	51	29.20	0.1
MOX	146.66	348	iPKPd	51	18.70	-0.3	SRS	150.38	325	iPKPd	51	29.78	4.7X		0.8s	8.05nm				
	1.3s	41.00nm					BBS	150.42	352	PKP	51	24.56	-0.4	CAF	153.36	359	ePKP	51	29.60	0.4
CMP	146.69	329	ePKPd	51	21.00	1.7	VOY	150.44	342	ePKP	51	24.70	-0.4		1.2s	26.80nm				
DSI	146.73	300	ePKP	51	18.20	-1.5	VBY	150.50	340	ePKPc	51	25.40	0.3	PZZ	153.38	351	PKP	51	28.18	-1.2
LISJ	146.74	299	PKP	51	20.26	0.6			i	51	31.50		KEK	153.40	327	ePKP	51	28.50	-0.9	
TNR	146.78	330	ePKPd	51	21.00	1.6			i	51	40.40		ROB	153.46	350	PKP	51	28.69	-0.7	
PSZ	146.81	337	iPKP	51	19.00	-0.4	ARG	150.51	313	ePKP	51	31.60	6.2X	FIN	153.49	349	PKP	51	28.49	-0.9
EYL	146.84	318	ePKP	51	06.00	-13.8X	HLW	150.55	299	ePKP	51	32.00	6.4X	ASS	153.50	342	PKP	51	37.10	7.6X
HRT	147.01	319	iPKP	51	22.30	2.4	CEY	150.55	342	ePKP	51	25.00	-0.2	STV	153.60	351	PKP	51	28.38	-1.2
DEV	147.23	332	ePKPc	51	20.00	-0.1			i	51	31.00		LPO	153.60	1	ePKP	51	29.80	0.3	
ENN	147.33	355	ePKP	51	20.00	0.0	LOMF	150.62	353	PKP	51	24.56	-0.8		1.2s	32.75nm				
	0.8s	102.00nm					OUR	150.70	323	ePKPc	51	30.76	5.2X	VLI	153.67	319	ePKP	51	37.00	7.2X
		id	51	23.50			SOH	150.72	325	ePKPc	51	30.48	4.8X	IMI	153.83	350	PKP	51	29.51	-0.4
		e	53	47.00			KNT	150.73	326	ePKPc	51	30.62	5.0X	AOU	153.92	340	PKP	51	38.60	8.5X
SRO	147.46	339	ePKP	51	19.10	-1.3	TRI	150.77	342	iPKPd	51	31.00	5.5X	STS	153.94	17	ePKP	51	30.50	0.5
		i	51	24.20			PLE	150.78	333	iPKPd	51	32.00	6.2X	SBF	153.95	350	ePKP	51	29.80	-0.3
BUD	147.49	338	ePKP	51	23.60	3.2X	VAY	150.79	326	ePKP	51	23.60	-2.0		1.2s	41.65nm				
ZST	147.53	341	ePKP	51	20.40	-0.1		1.2s	160.00nm				SGO	154.79	335	PKP	51	31.30	0.1	
		i	51	24.40					i	51	38.00		PGF	154.93	347	ePKP	51	31.20	-0.3	
HQL	147.56	296	ePKP	51	21.00	-0.1			i	51	42.00			1.1s	43.95nm					
CTT	147.58	321	ePKP	51	19.00	-1.8	SKO	150.89	329	ePKP	51	25.20	-0.6	MGR	155.04	334	PKP	51	30.30	-1.3
TNS	147.59	352	iPKPd	51	24.30	3.7X		1.0s	177.00nm				EPF	155.23	2	ePKP	51	32.20	0.4	
MBH	147.60	297	iPKPd	51	20.60	-0.7			i	51	32.10			1.2s	16.10nm					
GRF	147.65	348	ePKPd	51	20.60	-0.1			i	51	43.00		CZI	155.55	332	PKP	51	30.00	-2.3	
		id	51	24.90			RIY	150.92	341	iPKPd	51	31.50	5.8X	GUD	157.10	11	iPKPc	51	35.50	1.1
KHC	147.67	345	PKP	51	20.40	-0.3	IVA	150.92	332	iPKPd	51	32.05	6.1X	EPLA	157.23	15	ePKP	51	35.50	1.0
	1.0s	85.00nm					LOR	150.96	357	ePKP	51	25.50	-0.3	ETOR	157.25	7	ePKP	51	35.00	0.5
		i	51	24.50				1.2s	32.75nm				TOL	157.86	12	ePKP	51	35.00	-0.1	
		e	51	28.50			CTI	151.01	345	PKP	51	25.70	-0.3	EVAL	159.36	19	ePKP	51	38.00	1.2
VKA	147.71	341	iPKPd	51	24.70	3.9X	THE	151.06	325	ePKPd	51	31.40	5.3X	LIC	166.45	151	PKP	51	43.80	-0.3
	2.0s	507.00nm					PVY	151.11	331	iPKPd	51	32.32	6.0X		1.0s	32.00nm				
BGG	147.75	353	iPKPd	51	24.40	3.7X	GRG	151.14	326	ePKPd	51	31.64	5.4X	KIC	166.70	152	PKPd	51	44.08	-0.2
JMB	147.82	324	ePKP	51	20.00	-1.1	PAIG	151.15	323	ePKPd	51	31.40	5.2X		0.9s	28.50nm				
		i	51	25.00			SSF	151.18	357	ePKP	51	25.90	-0.2	TIC	166.82	150	PKP	51	44.18	-0.2
PVL	148.00	326	ePKP	51	21.00	-0.4		1.2s	35.70nm				LKO	168.92	140	PKPd	51	45.24	-0.5	
DST	148.35	318	ePKP	51	21.00	-1.1	LBF	151.24	357	ePKP	51	25.90	-0.3		0.9s	20.50nm				
BNT	148.36	320	iPKP	51	25.80	3.7X		1.2s	23.80nm					S.D. = 1.0	on 322 of 386 obs.					
EDC	148.40	320	iPKP	51	25.50	3.4X	NKY	151.37	333	iPKPd	51	32.90	6.3X		JUN 11, 1991	16h 16m 44.45±0.50s				
WLF	148.41	354	PKP	51	22.40	0.6	AVF	151.46	357	ePKP	51	25.90	-0.6		43.141 N ± 5.3km	26.133 E ± 5.2km				
		id	51	26.78				1.2s	11.90nm					DEPTH = 10.0km	(geophysicist)					
KHL	148.47	315	iPKP	51	22.00	-0.4	BRY	151.50	333	iPKPd	51	32.94	6.1X		BULGARIA	(359)				
KGT	148.68	320	ePKP	51	25.00	2.5	TIG	151.56	332	iPKPd	51	33.14	6.4X	PVL	0.59	278	iPgD	16	55.00	-1.4
GWf	148.92	352	PKP	51	22.52	-0.1	SMF	151.58	357	ePKP	51	26.30	-0.4	JMB	0.75	154	iPgD	16	59.00	-0.1
ELL	149.00	312	iPKP	51	28.50	5.2X		1.2s	17.85nm				DIM	1.18	202	iPc	17	07.00	0.6	
KDZ	149.01	324	iPKP	51	22.00	-1.0	PHP	151.59	329	iPKPd	51	32.80	6.0X			iS	17	25.00		
PGB	149.08	326	ePKP	51	23.00	-0.1	MFF	151.65	3	ePKP	51	26.50	-0.2	PLD	1.48	226	iP	17	11.00	-0.1
BHG	149.15	345	ePKP	51	22.80	-0.2		1.0s	40.00nm						iSg	17	31.00			
RDO	149.28	323	ePKP	51	22.50	-0.9	LIT	151.69	325	ePKPd	51	32.92	5.9X	PGB	1.56	248	iP	17	12.00	-0.4
RZN	149.38	325	iPKPc	51	23.00	-0.8	BGF	151.71	358	ePKP	51	26.60	-0.2	PDZ	1.58	200	iPgC	17	14.00	1.4
		i	51	28.00				0.8s	17.45nm				KNZ	1.59	69	iPc	17	11.00	-1.7	
FLN	149.48	3	ePKP	51	23.00	-0.4	VAI	151.78	349	PKP	51	26.70	-0.2	RZN	1.79	216	iP	17	17.00	1.2
	1.1s	58.60nm					FNA	151.80	327	ePKPc	51	33.64	6.4X	TLB	2.00	43	iPc	17	18.50	0.0
WLS	149.51	352	PKP	51	23.05	-0.5	OHR	151.85	328	ePKP	51	26.60	-0.7	DRA	2.05	319	eP	17	29.00	9.7X
CDF	149.52	353	PKP	51	23.20	-0.5		1.1s	302.00nm				VTS	2.22	257	iPc	17	23.00	1.0	
VTS	149.54	328	iPKP	51	23.00	-1.0			i	51	33.90		MLR	2.35	357	iPd	17	25.00	1.1	
KBA	149.63	344	iPKPc	51	23.10	-0.9			i	51	45.50		MMB	2.36	230	eP	17	29.00	5.1X	
	0.9s	119.00nm					BDV	151.87	332	iPKPd	51	33.70	6.5X	CFR	2.51	35	eP	17	27.00	1.1
		i	52	28.40			HCY	151.88	333	iPKPd	51	33.57	6							

SKO 3.66 253 ePn 17 52.60 10.3X
OHR 4.46 245 ePn 17 52.60 -1.0
S.D. = 1.1 on 16 of 22 obs.

? JUN 11, 1991 17h 19m 51.33±9.02s
23.185 N ±17.9km 120.119 E ±80.8km
DEPTH = 33.0km (normol)

TAIWAN (244)

TWK 0.35 76 iPd 19 57.70 -2.1
eS 20 06.70
TWM1 0.46 142 ePc 20 00.90 -0.4
TWG 0.95 112 iPd 20 09.00 0.7
eS 20 23.80
TWF1 1.10 81 iPc 20 10.70 0.3
eS 20 26.80
TWD 1.62 56 ePc 20 18.80 0.9
ANP 2.37 32 eP 20 35.50 6.7X
SSE 7.94 7 eP 21 54.00 6.7X
Lg 24 07.50

S.D. = 1.7 on 5 of 7 obs.

* JUN 11, 1991 17h 28m 03.71±1.51s
45.885 N ±7.0km 15.978 E ±12.9km
DEPTH = 5.0km (geophysicist)

YUGOSLAVIA (383)
MD 2.6 (LJU). Felt (III) at
Mikulici and Zogreb.

PTJ 0.02 317 iPg 28 04.30 -0.6
ZAG 0.07 177 iPg 28 05.30 -0.1
iSg 28 06.60
VBY 0.63 233 e(Pg) 28 17.50 1.1
eSg 28 24.00
LJU 1.02 279 ePg 28 23.40 -0.1
eSg 28 36.50
CEY 1.09 263 eP 28 27.50 2.7X
eSg 28 40.00
RIY 1.24 245 e(Pn) 28 26.20 -1.0
iSn 28 44.50
VOY 1.46 276 ePn 28 30.30 -0.6
eSn 28 49.10
KHC 3.63 334 ePg 29 03.00 1.2
eSg 29 41.00

S.D. = 1.1 on 7 of 8 obs.

& JUN 11, 1991 17h 35m 38.91s
59.923 N 152.270 W
DEPTH = 74.4km
SOUTHERN ALASKA (2)
<AEIC>.

HOM 0.41 130 iPc 35 51.13 -0.4
eS 36 00.15
NNL 0.50 76 iPc 35 52.79 0.4
XLV 0.55 149 ePc 35 51.69 -1.1
RED 0.56 333 iPd 35 52.26 -0.7
eS 36 02.80
RSO 0.59 336 iPd 35 52.87 -0.6
RS2 0.59 336 iPd 35 52.85 -0.6
REF 0.61 339 iPd 35 53.02 -0.6
RDW 0.62 335 iPd 35 53.09 -0.6
RDN 0.64 338 iPd 35 53.28 -0.6
eS 36 04.41
RDT 0.66 354 iPd 35 53.26 -0.7
eS 36 04.63
CNPM 0.66 127 iPc 35 53.22 -0.7
eS 36 04.50
DFR 0.70 343 iPd 35 53.84 -0.6
NCT 0.72 333 iPd 35 54.04 -0.7
eS 36 06.21
AUE 0.80 225 ePc 35 54.60 -0.8
S 36 07.05
AUH 0.82 227 ePc 35 55.09 -0.7
S 36 07.25
AUI 0.83 225 ePd 35 55.20 -0.7
eS 36 07.35
NKA 0.97 32 ePd 35 58.84 1.4
PDB 0.98 263 ePc 35 56.44 -1.2
eS 36 10.00
SLKM 1.18 59 ePc 35 59.42 -0.8
S 36 16.15
CDD 1.22 216 ePd 35 59.82 -0.9
eS 36 16.82
CKL 1.28 359 iPd 36 01.40 -0.2
iS 36 18.54
MCNL 1.29 236 ePc 36 00.02 -1.6

SYI 1.32 183 ePd 36 01.44 -0.5
BGL 1.35 358 iPd 36 02.33 -0.2
CRP 1.35 2 iPd 36 02.62 0.0
eS 36 21.33
CGLM 1.40 5 iPd 36 03.14 0.0
SEW 1.43 81 eP 36 04.10 0.7
S 36 21.11
NCG 1.49 2 iPd 36 04.29 -0.1
SUA 1.72 25 ePd 36 07.62 0.1
PMS 1.88 44 iPd 36 09.85 0.2
SKT 2.10 10 ePd 36 12.16 -0.4
S 36 38.91
LTI 2.22 85 ePc 36 12.41 -1.9
PLRM 2.28 41 ePc 36 13.99 -1.0
KNIM 2.31 77 eP 36 13.18 -2.3
MTU 2.32 86 eP 36 14.95 -0.8
KNK 2.40 50 ePc 36 15.61 -1.2
GHO 2.47 40 eP 36 16.90 -1.0
CUT 2.67 20 eP 36 19.80 -0.7
SML 2.70 44 eP 36 19.84 -1.1
VZW 3.05 66 eP 36 23.48 -2.3
SCM 3.08 49 eP 36 25.35 -1.0
VLZ 3.18 65 eP 36 25.07 -2.4
KLU 3.50 60 ePc 36 29.97 -2.1
TRF 3.66 14 eP 36 34.33 -0.2
TOA 3.69 51 ePc 36 33.51 -1.2
GLB 4.43 66 ePc 36 42.24 -2.9

46 obs. associated

JUN 11, 1991 18h 55m 56.48±0.31s
5.355 S ±5.4km 102.561 E ±6.1km
DEPTH = 27.7km (10 depth phases)
5.3mb (23 obs.) 4.9msz (10 obs.)

SOUTHERN SUMATERA (274)

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 20C

Centroid Location:

Origin Time 18:56: 5.8 1.1

Lot 5.78S 0.08 Lon 103.27E 0.14

Dep 36.9 6.6 Half-duration 1.5

Moment Tensor: Scale 10**16 Nm

Mrr= 3.47 0.82 Mtt=-6.52 0.54

Mff= 3.05 1.23 Mrt= 2.96 1.40

Mrf=-1.29 0.86 Mtf= 0.49 0.69

Principal Axes:

T Vol= 4.96 Plg=57 Azm= 69

N 2.44 28 283

P -7.40 16 185

Best Double Couple: Mo=6.2*10**16

NP1:Strike=241 Dip=38 Slip= 41

NP2: 117 66 121

KGM 7.36 6 ePd 57 47.90 3.0
0.9s 141.00nm 6.0mb
KLM 8.45 354 eP 58 11.00 10.9X
PSI 8.78 335 ePc 58 09.60 4.9X
IPM 9.99 351 ePd 58 25.60 4.3X
e 01 28.00
SNG 12.60 351 eP 58 57.80 1.0
e 01 34.80
KKM 17.72 50 ePd 00 05.50 2.4
NNT 18.05 351 eP 00 05.20 -1.9
TSM 18.18 59 ePc 00 11.50 2.8
KHT 20.39 349 eP 00 34.50 0.4
NANU 21.21 145 eP 00 42.50 0.1
eS 04 30.00
PPR 22.03 47 iPd 00 54.00 3.3X
BDT 22.73 351 eP 00 54.90 -2.7
MBL 22.97 135 eP 01 01.00 1.1
CHG 24.28 352 eP 01 12.00 -0.7
1.0s 87.00nm 5.3mb
QIZ 25.27 16 eP 01 22.00 -0.2
N 16s 0.80um
E 16s 0.80um
eS 05 50.00
DAV 26.08 62 eP 01 30.50 0.7
PGP 26.16 44 eP 01 31.00 0.5
BAG 28.02 39 eP 01 49.00 1.3
MTN 29.15 107 eP 01 56.00 -1.7
KMI 30.29 0 eP 02 08.50 0.4
Z 14s 2.70um 5.0mszX
GYA 31.87 7 P 02 22.00 0.2
Z 20s 0.90um 4.4msz
N 16s 1.10um
E 16s 1.20um
pP 02 31.00 31km

WB2 34.15 118 iPc 02 40.30 -1.3
0.5s 16.10nm 5.2mb
eS 08 02.70
ASPA 35.24 124 iPc 02 50.10 -0.9
0.7s 22.10nm 5.2mb
eS 08 19.50
CD2 36.08 2 eP 02 56.60 -1.3
1.0s 70.00nm 5.5mb
Z 20s 2.80um 5.0msz
N 18s 3.20um
LSA 36.53 343 Pc 03 02.20 -0.1
PKI 36.69 334 P 03 03.04 -0.4
0.7s 57.00nm 5.5mb
GUN 36.78 335 P 03 04.38 0.1
0.7s 182.00nm 6.1mb
DMN 36.85 334 P 03 04.52 -0.2
KKN 36.93 334 P 03 05.16 -0.2
0.7s 95.00nm 5.7mb
GKN 37.40 333 P 03 09.24 0.0
WHN 37.44 17 ePd 03 10.00 0.8
Z 20s 1.30um 4.7msz
N 16s 1.50um
E 18s 1.20um
OIS 39.00 116 eP 03 17.00 24km
e 03 21.00 -1.6
03 29.00 27km
XAN 39.64 8 P 03 26.00 -1.7
1.0s 50.00nm 5.2mb
N 16s 1.20um
NJ2 40.31 22 Pd 03 33.50 0.3
Z 22s 0.90um 4.6msz
SSE 40.38 25 Pc 03 35.00 1.2
Z 16s 1.40um 4.9mszX
N 16s 0.80um
E 16s 0.50um
S 09 44.00
LZH 41.24 2 eP 03 41.50 0.5
1.5s 160.00nm 5.5mb
Z 18s 1.32um 4.8msz
N 12s 1.02um
eS 10 00.00
NDI 41.72 326 iPc 03 45.00 0.2
TIA 43.54 17 eP 03 57.80 -1.8
TIY 43.82 11 Pc 04 01.60 -0.4
Z 18s 2.00um 5.1msz
N 17s 1.80um
PMG 44.38 98 iPd 04 06.00 -0.8
1.0s 70.00nm 5.5mb
ADE 44.50 136 eP 04 08.20 0.7
GTA 44.61 357 iPc 04 08.20 -0.2
1.2s 60.00nm 5.3mb
Z 20s 2.70um 5.2msz
N 18s 2.10um
pP 04 14.60 21km
sP 04 20.20
OLP 44.99 123 iP 04 12.00 0.5
e 04 22.00 34km
STK 45.03 131 iPc 04 11.40 -0.4
0.7s 11.30nm 4.9mb
e 04 18.80 25km
i 04 24.90
e 06 59.50
eS 10 48.10
BTO 46.24 8 P 04 20.00 -1.2
N 16s 1.40um
E 15s 0.60um
eP 04 28.00 27km
HHC 46.71 9 Pd 04 25.40 0.4
1.2s 100.00nm 5.7mb
Z 20s 1.90um 5.0msz
N 19s 1.30um
E 13s 0.20um
BJI 46.88 14 eP 04 26.00 -0.2
1.1s 42.00nm 5.4mb
Z 18s 2.05um 5.1msz
N 18s 1.67um
eS 11 16.00
CMS 48.12 128 eP 04 36.00 -0.2
RMQ 48.79 121 eP 04 42.00 0.6
e 04 54.00 43kmX
QUE 49.12 318 eP 04 44.10 0.0
SNY 50.72 20 Pc 04 54.30 -1.6
1.2s 30.00nm 5.1mb
Z 24s 0.80um 4.7mszX
E 16s 0.90um
WMO 50.76 346 P 04 56.20 0.0
1.0s 100.00nm 5.7mb

? JUN 11, 1991 19h 20m 24.43± 5.57s
17.759 N ±17.0km 94.555 W ±48.3km
DEPTH = 33.0km (normal)
CHIAPAS, MEXICO (61)

PBJ	1.55	212	iP	20 50.00	0.0
			iS	21 07.00	
OXX	2.18	252	iP	20 59.00	-0.2
			iS	21 21.00	
VHO	2.19	252	(P)	20 59.00	-0.4
			(S)	21 22.00	
IISM	2.94	295	(P)	21 10.00	0.0
			iP	21 34.50	
PPM	4.08	289	iS	21 26.50	-0.1
			(S)	22 05.00	

S.D. = 0.3 on 5 of 5 obs.

AAI	4.31	319	eP	47	50.40	-0.1
MTN	5.83	179	eP	48	12.80	1.3
KNA	8.99	194	eP	48	54.00	-0.6
	0.2 s	70.00nm				6.1mb X
		eS		50	31.00	
WB2	13.29	166	iPc	49	49.20	-2.5
	0.4 s	20.70nm				5.0mb
		eS		52	10.50	
OIS	15.86	149	eP	50	25.00	0.4
		eS		53	10.00	
ASPA	16.82	171	eP	50	37.70	1.2
	0.3 s	12.80nm				4.6mb
		eS		53	34.40	
MBL	17.76	216	eP	50	48.00	0.0
		eS		53	41.00	
WARB	19.54	192	eP	51	12.00	4.1X
	0.3 s	4.00nm				4.2mb
		eS		54	41.00	
NANU	21.50	222	eP	51	32.00	4.3X
STK	26.67	160	eP	52	20.50	3.7X
	0.3 s	1.80nm				4.1mb
		epP		53	11.10	264kmX
		eS		57	40.10	
GUN	55.69	311	P	56	14.60	0.4
KKN	56.08	310	P	56	16.80	-0.1
GKN	56.68	310	P	56	20.90	-0.2
ZOBO	150.13	141	PKP	66	32.80	10.6X
Z	24 s	0.23um				4.9mszX
		LR		10	40.00	
S.D.	= 1.3	on	10 of 14 obs.			

* JUN 11, 1991 19h 50m 02.99 ± 1.26s
17.700 N ± 11.9km 68.410 W ± 10.2km
DEPTH = 75.7 ± 7.2 km
4.5mb (13 obs.)
MONA PASSAGE (89)

MGP	1.29	76	P	50	26.00	0.2
LRS	1.60	68	P	50	29.60	-0.4
PORP	1.72	78	P	50	32.00	0.4
CLLP	1.79	78	P	50	32.80	0.4
SJG	2.19	79	iP	50	38.00	0.0
CPD	2.40	82	P	50	40.50	-0.4
LPR	2.49	76	P	50	42.20	0.0
BPA	6.29	95	eP	51	33.60	-1.6
PAG	6.65	103	eP	51	40.40	0.1
			S	52	46.00	
BBL	6.99	107	eP	51	45.20	0.3
MGG	7.02	104	eP	51	46.20	1.0
DEG	7.17	100	eP	51	47.00	-0.3
SCH	37.07	2	eP	57	08.00	0.7
ANMO	37.91	305	e(P)	57	15.00	0.1
YKA	54.97	336	eP	59	27.30	-1.0
	0.8s		1.00nm			3.9mb
FLN	62.38	44	eP	00	20.20	0.2
	0.6s		6.30nm			4.9mb
MFF	62.47	46	eP	00	20.80	0.2
	0.4s		4.60nm			4.9mb
LDF	62.61	44	eP	00	21.50	0.0
	0.4s		2.30nm			4.6mb
EPF	62.69	50	eP	00	22.90	0.7
	0.6s		3.15nm			4.5mb
LPO	63.33	48	eP	00	26.50	0.1
	0.4s		2.30nm			4.5mb
RJF	63.58	48	eP	00	27.90	-0.1
	0.4s		2.85nm			4.6mb
CAF	63.96	48	eP	00	30.60	0.1
	0.6s		3.60nm			4.5mb
TCF	64.08	47	eP	00	31.10	-0.2
	0.4s		1.70nm			4.3mb
AVF	64.88	46	eP	00	36.10	-0.3
	0.6s		2.70nm			4.4mb
LOR	65.23	46	eP	00	38.20	-0.5
	0.5s		3.65nm			4.6mb
LBF	65.31	46	eP	00	38.50	-0.7
	0.6s		1.80nm			4.2mb
HFS	70.90	32	eP	01	14.40	0.7
	0.7s		1.90nm			4.1mb

S.D. = 0.6 on 27 of 27 obs.

RED	0.52	343	iP	17 45.68	-0.7
			eS	17 56.52	
RSO	0.56	346	iP	17 46.30	-0.6
			eS	17 57.43	
RS2	0.56	346	iP	17 46.34	-0.6
REF	0.58	349	iP	17 46.50	-0.6
			eS	17 57.98	
RDW	0.58	344	iP	17 46.52	-0.6
NNL	0.60	78	iP	17 47.43	0.3
RDN	0.61	346	iP	17 46.73	-0.6
			eS	17 57.93	
RDT	0.65	3	iP	17 46.76	-0.9
DFR	0.68	351	iP	17 47.28	-0.6
			eS	17 59.15	
NCT	0.68	341	iP	17 47.18	-0.8
			eS	17 59.29	
AUE	0.73	219	eP	17 47.70	-0.6
CNPM	0.74	122	iP	17 47.91	-0.6
			eS	18 00.48	
AUH	0.75	222	eP	17 48.74	0.1
AUI	0.76	220	eP	17 48.64	-0.1
			eS	17 59.85	
BRLK	0.82	101	eP	17 49.01	-0.3
			S	18 02.18	
PDB	0.88	262	iP	17 49.02	-0.9
			eS	18 02.20	
NKA	1.03	36	eP	17 53.18	1.5
CDD	1.16	211	eP	17 52.53	-0.9
SLKM	1.27	62	eP	17 54.29	-0.5
CKL	1.28	3	iP	17 54.48	-0.5
			eS	18 12.28	
SYI	1.32	178	eP	17 54.85	-0.5
BGL	1.34	2	iP	17 55.39	-0.4
CRP	1.36	7	eP	17 55.69	-0.4
CGLM	1.41	9	iP	17 56.26	-0.4
NCG	1.49	6	iP	17 57.37	-0.4
SEW	1.53	82	eP	17 57.05	-1.1
SUA	1.76	28	eP	18 01.26	-0.1
PMS	1.96	46	eP	18 03.48	-0.4
SMT	2.11	12	eP	18 05.11	-0.9
PLRM	2.34	43	eP	18 07.92	-1.2
KNIM	2.41	78	iP	18 07.59	-2.4
MTU	2.43	86	eP	18 09.02	-1.3
KNK	2.48	51	eP	18 09.28	-1.7

JUN 11, 1991 20h 24m 44.37 ± 0.29s
0.070 S ± 5.5km 16.748 W ± 5.6km
DEPTH = 10.0km (geophysicist)
4.9mb (27 obs.) 4.4Msz (4 obs.)
NORTH OF ASCENSION ISLAND (407)

LIC	13.26	62 P	27	53.62	-1.8
Z	20s	0.82um			
		S	30	18.00	
TIC	13.47	60 P	27	57.16	-1.0
KIC	13.58	62 P	27	57.90	-1.7
LKO	14.65	49 P	28	10.56	-3.1X
SOB1	25.70	249 (P)	30	16.00	-0.6
BAO	34.51	242 ePc	31	34.70	-0.5
EPLA	41.11	12 eP	32	32.00	1.8
TOL	41.42	15 eP	32	33.00	0.3
		eS	38	41.00	
GUD	42.11	14 eP	32	40.50	2.0
SIV	46.50	248 iPc	33	14.00	0.0
LFF	47.43	17 eP	33	22.10	1.2
	1.0s	12.00nm			4.9mb
CAF	47.81	18 eP	33	25.00	1.0
	1.2s	16.35nm			5.0mb
KRI	48.60	112 iPc	33	32.00	1.3
BUL	48.66	117 iPc	33	32.30	1.2
LSF	48.85	17 eP	33	32.00	0.0
	1.0s	8.00nm			4.7mb
MAF	49.13	18 eP	33	35.00	0.8
	1.2s	11.90nm			4.8mb
KSR	49.27	125 iPd	33	35.50	-0.3
	1.0s	10.00nm			4.8mb
CZI	49.34	34 P	33	35.10	-0.7
BGF	49.52	18 eP	33	37.50	0.4
	1.2s	17.85nm			4.9mb
FRS	49.75	130 iPd	33	39.20	0.1
	0.7s	6.05nm			4.7mb
LPG	49.90	22 eP	33	41.10	0.7
	1.0s	10.00nm			4.7mb
LPL	49.91	21 eP	33	40.90	0.5
	1.0s	8.00nm			4.6mb
SSF	50.17	18 eP	33	42.00	-0.1

	1.2s	7.45nm		4.5mb	GRG	0.14	185	iPc	18	32.68	0.0	BAL	30.20	210	eP	47	05.00	0.7	
LBF	50.25	18 eP	33	42.90	0.1	VAY	0.25	27	iPg	18	35.00	0.4	ADE	30.24	172	eP	47	07.20	2.6X
	0.8s	4.70nm		4.5mb				iSg	18	39.00			0.8s	116.42nm				5.8mb	
SLR	50.36	124 eP	33	43.40	-0.7	KNT	0.37	80	iPd	18	37.16	0.3	KLB	30.50	208	eP	47	08.00	1.0
MTD	50.42	112 iPc	33	45.50	0.9			eS	18	42.36		KGM	31.23	282	ePd	47	14.00	0.5	
LOR	50.46	18 eP	33	44.10	-0.3	THE	0.62	138	ePc	18	40.85	-1.0	BFD	33.08	167	e(P)	47	23.00	-6.5X
	1.0s	9.00nm		4.7mb				eS	18	49.00					i	47	38.00	60kmX	
Z	20s	0.40um		4.4Msz		SOH	0.76	111	ePd	18	43.84	-0.4	IPM	34.07	286	ePd	47	42.60	4.2X
CIR	51.57	117 eP	33	57.00	3.8X			eS	18	54.08		SNG	35.23	290	eP	47	48.00	-0.3	
BSF	51.92	20 eP	33	54.70	-0.8	FNA	0.85	249	ePd	18	46.00	0.3	PSI	35.66	282	ePc	47	58.50	6.6X
	1.2s	17.85nm		4.9mb		SRS	0.89	88	ePc	18	46.32	0.0	DZM	35.89	121	iPc	48	01.00	7.1X
HAU	51.92	20 eP	33	55.00	-0.4			eS	18	58.44		TAU	39.68	164	eP	48	40.00	14.7X	
	1.0s	14.00nm		4.8mb		LIT	1.00	177	ePd	18	48.52	0.3	WHN	39.88	333	eP	48	28.50	1.5
Z	20s	0.28um		4.3Msz		SKO	1.14	320	ePn	18	50.00	-0.6		1.8s	100.00nm			5.2mb	
CDF	52.58	20 eP	33	59.70	-0.8			e	19	04.70		E	16s	0.60um					
	1.0s	8.00nm		4.6mb				i	19	06.50				pP	48	34.00	19km		
CNCB	53.12	249 P	34	02.00	-3.6X	PAIG	1.52	140	ePc	18	57.04	0.6	GYA	40.79	321	P	48	34.40	-0.4
		i	35	13.00									Z	18s	0.80um			4.6Msz	
ZOBO	53.14	250 P	34	04.00	-1.7								N	15s	0.70um				
Z	24s	0.43um		4.4MszX									E	15s	0.40um				
		LR	50	00.00											pP	48	41.00	22km	
WTTA	53.25	24 eP	34	04.50	-1.1										S	54	46.00		
	0.8s	8.30nm		4.7mb									CHG	41.66	305	eP	48	42.00	0.1
		ic	34	05.40									XAN	45.33	331	P	49	10.00	-1.5
		e	34	17.00											S	55	44.00		
SKO	54.17	35 eP	34	13.00	0.8								CD2	45.76	323	eP	49	13.70	-1.2
ENN	54.20	18 eP	34	13.00	0.8								Z	20s	0.70um			4.6Msz	
	1.0s	16.00nm		5.0mb									N	15s	0.70um				
KKB	55.06	36 iP	34	20.00	1.3										eS	55	54.50		
GRF	55.06	22 e(P)	34	19.00	0.3								TIY	46.85	337	eP	49	25.00	1.5
	Z	19s	0.20um	4.2Msz															

GUAN	17.94	47	iP	49	43.00	-2.1	PNJ	43.20	5	e(P)	53	33.20	0.0	YKA	70.03	343	eP	56	40.60	-2.7	
CNCB	17.98	144	P	49	45.00	-1.1	PNJ	43.20	5	i(P)	53	34.10	0.9		0.9s	38.60nm				5.3mb	
CCH	19.54	141	iPd	50	04.50	1.3					53	56.80	96km	TVO	70.62	252	iP	56	48.00	0.2	
PCJ	19.97	5	P	50	07.28	-0.1	TBR	43.43	5	P	53	34.90	-0.2		1.3s	150.00nm				5.7mb	
YHJ	20.19	7	iPc	50	09.54	-0.1	TXNY	43.47	5	iP	53	36.20	0.8	PPN	70.77	252	iP	56	48.60	0.0	
SPJ	20.19	4	iPc	50	10.64	0.9	HRV	45.07	8	iPc	53	47.95	-0.3		1.3s	110.00nm				5.5mb	
STH	20.34	6	iPc	50	11.46	0.3					esPc	54	09.30	89km	PPT	70.91	252	iP	56	50.00	0.5
TCE	21.38	53	eP	50	19.96	-1.7					es	00	22.77			1.3s	140.00nm			5.7mb	
			eS	54	12.70						esS	00	59.19		PAE	70.92	252	iP	56	49.70	0.2
TPP	21.40	54	eP	50	20.88	-0.9					iScS	03	33.80			1.3s	305.00nm			6.0mb	
			eS	54	14.35		ALO	45.16	328	ePd	53	49.30	-0.1	AFR	71.10	252	iP	56	50.70	0.1	
GCM	21.58	354	eP	50	24.65	1.1		1.1s	143.99nm				5.7mb		1.3s	260.00nm				5.9mb	
TPX	21.61	323	(P)	50	26.00	2.1	ANMO	45.17	328	iPd	53	49.84	0.4	TBI	71.28	246	iP	56	52.40	0.8	
TRN	21.63	53	eP	50	21.75	-2.3		1.0s	121.25nm				5.7mb		1.6s	330.00nm				5.9mb	
	0.3s	210.40nm			6.0mb					iS	00	22.92		LIC	74.22	83	Pc	57	08.48	-0.6	
			eS	54	20.67						esS	00	58.51			1.2s	163.00nm			5.7mb	
TBH	21.80	54	eP	50	24.89	-1.0	GLD	48.31	333	P	54	13.60	-0.4	TIC	74.26	82	Pc	57	08.62	-0.7	
SIV	22.21	129	iPd	50	29.80	-0.1		1.5s	156.25nm				5.7mb		1.2s	190.00nm				5.8mb	
PIG	22.37	53	eP	50	29.94	-1.5	GOL	48.33	333	P	54	13.40	-0.9	SIT	74.42	332	eP	57	10.10	0.8	
TPR	22.44	53	eP	50	30.25	-1.9		1.0s	30.50nm				5.1mb	KIC	74.51	83	Pc	57	10.30	-0.5	
BOT	22.47	53	eP	50	29.93	-2.5	GLA	48.86	319	eP	54	18.00	-0.2		1.1s	175.00nm				5.8mb	
ANT	22.82	160	iPd-	50	37.90	2.2	PV09	49.25	329	P	54	20.30	-1.1	TIO	75.49	57	iP	57	16.40	0.1	
	1.7s	1446.15nm			6.1mb		BAR	49.86	317	eP	54	25.00	-0.8			i	57	33.50		62kmX	
			iPP	51	10.00		TPC	50.31	319	iPd	54	29.00	-0.3	LIS	75.75	49	iPc	57	17.60	0.2	
			iS	54	46.00		PLM	50.39	318	iPd	54	30.00	0.0	MTH	75.77	49	iPc	57	17.50	0.0	
MGP	23.27	29	P	50	39.70	-0.4	PEC	50.91	318	P	54	33.20	-0.6	AVE	75.86	55	iP	57	19.00	0.9	
FCV	23.28	48	eP	50	35.00	-5.2X	RVR	51.11	318	iPd	54	35.00	-0.3			i	57	45.00		100km	
SVV	23.40	48	eP	50	37.50	-4.0X	RSSD	51.40	337	P	54	36.90	-0.7	MOE	76.31	50	iPc	57	20.50	0.0	
PORP	23.54	30	P	50	43.10	0.4		0.7s	77.85nm				5.8mb	FIG	76.37	51	eP	57	22.20	1.3	
CLLP	23.59	30	P	50	43.60	0.4	GSC	51.54	320	iPd	54	38.85	0.2	COI	76.68	48	iPc	57	23.10	0.6	
LRS	23.64	30	P	50	44.20	0.5					eS	01	55.41		PTO	76.78	47	iPc	57	22.70	-0.4
SJG	23.84	31	iP	50	45.20	-0.5					esS	02	29.51		STS	77.27	45	eP	57	25.69	-0.1
CPD	23.90	32	P	50	45.50	-0.8					eScS	04	17.78		EVAL	77.32	51	iPc	57	26.45	0.3
LPR	24.15	32	P	50	48.00	-0.7	MWC	51.71	318	iPd	54	40.00	0.0	MTE	77.38	48	iPc	57	26.20	-0.3	
BBL	24.69	44	eP	50	50.00	-3.9X	PAS	51.74	318	iPd	54	39.82	-0.2	IFR	77.78	55	iPc	57	30.00	1.0	
PBJ	24.75	319	(P)	50	54.00	-0.4					eS	01	57.22		MVO	77.94	47	eP	57	27.00	-2.6
PAG	24.91	42	eP	50	50.50	-5.5X					esS	02	33.30		EJIF	78.08	52	iPc	57	31.35	1.0
BPA	25.52	41	eP	50	59.00	-2.6	SBB	51.83	319	iPd	54	40.00	-0.8	ERUA	78.15	46	iPc	57	30.87	0.2	
DEG	25.53	43	eP	50	57.50	-4.2X	CLC	52.37	320	eP	54	44.00	-0.8	EMON	78.28	45	iPc	57	31.63	0.3	
SLA	25.79	151	ePd	51	05.90	1.7	BW06	52.70	332	P	54	45.40	-2.0	EPLA	78.39	48	iPc	57	32.06	0.1	
OXX	26.08	318	(P)	51	08.50	1.5		0.7s	30.21nm				5.4mb	EHOR	78.54	51	iPc	57	33.03	0.2	
IISM	27.89	320	(P)	51	25.00	1.9	ISA	52.84	319	ePd	54	48.26	0.0	BALM	79.47	334	P	57	37.30	-0.3	
IIT	28.51	319	(P)	51	30.50	1.4					eS	02	12.85		EGUA	79.66	52	eP	57	39.07	0.1
PPM	28.76	318	(P)	51	33.00	1.4	SYP	53.17	317	eP	54	50.00	-0.8	INK	79.73	342	ePd	57	38.40	-0.2	
III	28.85	316	(P)	51	33.00	0.9	TNP	53.54	323	P	54	52.90	-0.7		1.2s	272.00nm				6.0mb	
TPM	28.99	318	(P)	51	34.50	1.2		1.0s	63.75nm				5.6mb			pP	58	10.50		127kmX	
RTRS	29.14	163	ePd	51	36.00	1.7	FRI	54.43	320	iPd	54	57.99	-1.9	EBAN	79.74	51	iPc	57	39.44	0.1	
RTLL	30.52	162	ePc	51	46.60	0.0	PRI	54.56	319	iPd	55	00.38	-0.6	ECOG	79.74	52	iPd	57	40.34	0.8	
RTCB	30.57	163	iPd	51	47.70	0.7	PRS	55.13	318	iPd	55	04.33	-0.7	AFC	79.75	52	iPc	57	40.34	0.7	
MRX	30.94	316	(P)	51	52.00	1.7	SAO	55.43	319	eP	55	06.51	-0.6	TOL	79.87	49	iPc	57	38.65	-1.4	
JACH	31.22	166	iPd	51	53.00	0.2	CMB	55.48	321	ePd	55	06.51	-1.0		1.0s	300.00nm				6.1mb	
IHA	31.33	168	eP	51	53.50	-0.1	MHC	55.89	319	iPd	55	10.15	-0.4			iPpC	58	03.15		93km	
PEL	31.65	167	iPd	51	56.50	0.0	GCC	55.94	319	ePd	55	10.17	-0.6			ePP	00	52.00			
	1.0s	370.00nm			6.1mb		LRM	56.36	332	iPd	55	12.90	-1.1			iS	07	35.00			
SAN	31.95	167	iP	52	05.50	6.4X	PCC	56.46	319	eP	55	15.70	1.2			e	08	10.00			
TACH	32.08	167	iP	52	01.20	1.0	BKS	56.58	319	eP	55	14.70	-0.7			ePS	08	38.00			
ITB1	32.45	135	e(P)	52	02.80	-0.7		0.9s	65.00nm				5.7mb	GUD	79.95	48	iPc	57	41.23	0.7	
ITB	32.67	135	e(P)	52	04.20	-1.2	BRK	56.59	319	ePd	55	14.80	-0.6	AKU	80.45	21	iP	57	44.20	1.7	
ITB7	32.90	136	e(P)	52	06.20	-1.3	ORV	57.09	321	ePd	55	18.72	-0.2		1.0s	32.00nm				5.1mb	
BAO	33.20	115	iPd	52	10.50	0.2	MIN	57.62	322	ePd	55	21.24	-1.6	ENIJ	80.75	52	iPc	57	44.36	-0.4	
PPD	33.22	128	iPd	52	08.70	-1.5	SCH	57.78	8	ePd	55	21.60	-1.9	DCN	80.95	35	iPc	57	45.60	0.3	
			e	52	20.50	44kmX		1.1s	76.00nm				5.7mb	DMU	81.31	35	iPc	57	47.60	0.4	
VAO	37.16	126	eP	52	42.80	-1.0	RKT	58.08	244	iP	55	24.60	-1.5		1.4s	202.00nm				5.8mb	
			e	52	55.80	48kmX		1.2s	360.00nm				6.3mb	EALH	81.52	51	eP	57	48.46	-0.2	
			e	53	18.90		FOX	59.20	321	ePd	55	33.71	0.1	ECRI	81.54	46	iPc	57	49.98	1.2	
LPA	37.86	151	iPd-	52	50.00	0.6	SES	59.27	337	iPd	55	31.80	-2.2	ETOR	81.55	48	iPc	57	49.87	1.0	
	1.0s	1536.00nm			6.9mb X			1.0s	299.00nm				6.4mb	TOA	81.58	334	ePd	57	49.20	0.6	
			eS	58	36.00						pP	55	42.00		BST	81.65	41	P	57	47.08	-2.1
SOB1	38.39	102	iPc	52	54.20	0.0	FHC	59.36	321	ePd	55	34.65	-0.1	MBC	81.75	351	ePd	57	48.70	-0.4	
BLA	39.32	358	P	53	01.20	-0.4	FFC	59.94	345	iPd	55	36.90	-1.5		1.0s	94.00nm				5.6mb	
	0.9s	33.06nm			5.2mb			1.2s	116.00nm				5.9mb			pP	58	28.00		158kmX	
BMA	39.33	124	eP	53	01.30	-0.6	NEW	60.33	332	P	55	39.60	-1.7	ECHE	82.16	50	eP	57	53.21	1.2	
			e	53	15.40	54kmX		1.0s	157.50nm				6.1mb	ACU	82.41	51	iPd	57	54.18	0.8	
CBN	40.31	2	eP	53	10.10	0.5	PNT	62.25	331	iPd	55	54.00	-0.2	BOH	82.72	46	P	57	55.71	0.8	
			e	53	33.00	97km		1.0s	264.00nm				6.2mb	PMR	82.72	333	ePd	57	54.10	-0.3	
TUL	41.15	339	iPd	53	16.00	-0.6	MBO	63.52	73	iPc	56	03.10	0.1	ELyf	82.74	46	P	57	55.06	0.1	
	1.3s	119.50nm			5.6																

12d 00h

		e	58 24.00	92km	WLF	88.51	40 iPd	58 23.80	0.6		sP	59 33.20		
		(S)	08 10.00		SURF	88.51	46 P	58 23.37	-0.3		PP	02 33.50		
LPF	83.58	41 iPc	57 59.20	0.2	LPL	88.54	45 iPc	58 24.30	0.5		SKS	09 22.00		
	1.2s	127.95nm		5.7mb		1.0s	22.00nm		5.2mb		eSS	16 10.00		
EPF	83.68	46 iPc	58 00.80	1.0	LPG	88.55	45 iPc	58 24.50	0.6	DUI	94.01	49 P	58 50.50 1.5	
	1.3s	169.25nm		5.8mb		1.0s	24.00nm		5.3mb	WIN	94.66	113 iPd	58 52.00 -0.5	
GRR	83.76	41 iPc	58 00.50	0.5	BSF	88.77	42 iPc	58 24.20	-0.5		1.2s	78.13nm	6.0mb	
	1.2s	119.00nm		5.7mb		1.0s	22.00nm		5.2mb	MGR	94.86	50 Pc	58 53.00 0.2	
EKA	83.78	34 Pd	58 00.40	0.5	SBF	88.91	46 eP	58 25.20	-0.2	VKA	95.16	42 eP	58 55.00 0.9	
	1.3s	99.90nm		5.6mb		1.0s	40.00nm		5.5mb		e	59 19.00	88km	
MFF	83.92	43 iPc	58 01.50	0.7	AUTN	88.91	46 P	58 25.62	0.0	TDS	95.47	51 P	58 56.10 0.4	
	1.0s	120.00nm		5.8mb	MOF	89.00	42 P	58 24.93	-0.8	ZST	95.69	42 iP	58 57.00 0.5	
FLN	84.07	41 iPc	58 02.10	0.5	ECH	89.04	42 P	58 25.88	0.0	SRO	96.53	42 eP	59 00.50 0.3	
	1.3s	191.35nm		5.9mb	WIT	89.11	37 eP	58 27.50	1.5	ADK	96.61	322 eP	59 00.20 -0.3	
Z	22s	0.88um		5.1MsZ		e	58 54.00	99km		KRA	97.42	40 eP	59 05.70 1.5	
RSO	84.08	331 P	58 00.20	-1.4	WTS	89.13	38 eP	58 27.00	0.9	Z	21s	1.20um	5.4MsZ	
LFF	84.26	45 iPc	58 03.10	0.5		1.0s	122.00nm		6.0mb	E	21s	1.60um		
	0.3s	12.75nm		5.4mb		e	58 52.00	93km			e	59 31.50	96km	
LDF	84.28	41 iPc	58 03.10	0.5	CDF	89.14	42 P	58 26.30	-0.1		e	09 36.00		
	1.1s	122.10nm		5.8mb	WLS	89.19	42 P	58 26.48	-0.1	SPC	97.70	41 eP	59 07.30 1.6	
LPO	84.54	45 iPc	58 04.30	0.3	BBS	89.22	43 P	58 26.51	-0.2	OHR	98.80	49 eP	59 11.80 1.1	
	1.0s	100.00nm		5.7mb	GWf	89.41	41 P	58 27.92	0.4		eS	09 40.00		
RJF	84.86	44 iPc	58 05.80	0.2	CKI	89.55	46 P	58 28.20	-0.1	SKO	99.20	48 eP	59 13.00 0.5	
	1.3s	129.95nm		5.7mb	PGF	89.97	48 eP	58 30.20	-0.2		i	09 38.00		
Z	22s	0.75um		5.0MsZ		1.0s	28.00nm		5.4mb		i	09 41.50		
LSF	85.01	43 iPc	58 06.50	0.2	VAI	89.99	44 P	58 30.30	0.1	VAY	100.11	49 ePd	59 17.00 0.4	
	1.3s	115.55nm		5.7mb	CGL	90.02	51 P	58 31.55	0.8	FRS	101.17	121 iPd	59 21.60 0.0	
ESEL	85.13	50 iPd	58 08.00	1.0		1.2s	20.90nm		5.2mb		0.8s	7.46nm	5.4mb	
CAF	85.19	45 iPc	58 07.50	0.2	TNS	90.03	40 ePc	58 31.30	0.8	SLR	104.41	117 ePd	59 32.60 -3.8X	
	1.3s	111.90nm		5.7mb	BOB	90.41	45 Pc	58 32.70	0.4	YAK	116.66	345 ePKP	04 12.00 -2.5	
ETER	85.41	47 eP	58 09.62	1.2	ANM	90.53	334 eP	58 33.20	0.8		e	05 18.00		
TCF	85.48	43 iPc	58 08.70	0.0	MDI	90.64	44 Pc	58 32.70	-0.5		e	10 55.00		
	1.1s	56.15nm		5.5mb	PII	91.13	46 P	58 35.60	0.0	BRS	122.21	236 i(PKP)	04 25.50 -0.7	
SVW	85.60	332 eP	58 07.90	-1.1	BDI	91.20	46 P	58 36.10	0.1		1.0s	4.00nm		
DAG	85.63	12 ePc	58 09.00	0.2	SAL	91.20	45 Pc	58 35.90	0.1	RMQ	125.86	235 iPKPd	04 33.00 -0.3	
MAF	85.72	44 iPc	58 09.90	0.0	MME	91.28	46 P	58 39.50	2.9X		1.2s	147.00nm		
	1.2s	74.40nm		5.6mb	OGA	91.59	43 iPc	58 38.60	0.7	CMS	125.88	228 iPKPc	04 32.40 -0.8	
IMA	85.94	337 ePd	58 10.70	0.0	GRF	91.79	41 ePc	58 39.70	1.2	MAIO	128.81	44 iPKPd	04 39.20 0.5	
BGF	85.96	43 iPc	58 11.10	0.1		1.1s	20.00nm		5.4mb		1.0s	13.00nm		
TTA	86.18	333 ePd	58 11.00	-0.9		e	58 42.60				i	07 52.00		
AVF	86.33	43 iPc	58 12.50	-0.3		e(pP)	59 05.70	97km		IRK	130.11	357 ePKP	04 40.00 -0.6	
	1.3s	57.75nm		5.5mb		e(sP)	59 23.20				e	05 04.30		
SSF	86.47	43 iPc	58 13.10	-0.4	CTI	92.00	44 Pc	58 40.00	0.3		e	06 50.00		
	1.2s	56.55nm		5.5mb	WTTA	92.02	43 iPc	58 40.30	0.5		e	07 15.30		
SMF	86.65	43 iPc	58 14.10	-0.3		1.0s	31.80nm		5.6mb		e	07 52.00		
	1.3s	101.10nm		5.7mb		i	58 55.00	50kmX			e	17 22.80		
LOR	86.73	43 iPc	58 14.40	-0.4		i	59 07.60			MDJ	130.92	333 iPKPc	04 41.50 -0.8	
	1.2s	53.55nm		5.5mb		i	02 19.00			MAT	131.71	319 ePKP	04 43.00 -1.1	
Z	22s	0.75um		5.1MsZ	NB2	92.03	29 P	58 39.30	-0.1		1.3s	86.54nm		
LBF	86.78	43 iPc	58 14.70	-0.4		0.9s	8.30nm		5.1mb	CN2	133.36	336 PKP	04 45.30 -1.7	
	1.2s	35.70nm		5.3mb	MOX	92.07	40 ePc	58 41.00	1.2	Z	22s	1.20um	5.6MsZ	
SDN	87.09	326 eP	58 16.70	0.4	SFI	92.10	46 P	58 40.20	0.2		ePP	07 12.00		
CDR	87.69	46 ePc	58 19.10	-0.4	CRE	92.17	47 P	58 39.70	-0.8		SKKS	13 56.00		
	e	58 46.90	105kmX		KBS	92.38	11 eP	58 41.90	1.2		SS	24 45.00		
SPA	87.73	180 iPd	58 21.20	1.8	ERC	92.56	52 P	58 45.31	3.0X	SNY	135.76	336 PKPc	04 50.70 -0.9	
	1.0s	216.00nm		6.2mb		0.4s	8.90nm		5.5mb	WMO	136.96	14 PKPd	04 53.50 -0.5	
	i	05 55.80			ASS	92.68	47 P	58 42.50	-0.3	BJI	140.01	342 ePKP	04 50.00 -9.5X	
GRN	87.82	45 P	58 20.46	0.3	MNS	92.68	48 P	58 43.11	0.3	Z	24s	0.57um	5.2MsZ	
NVL	88.10	161 iPc	58 21.00	0.1		0.5s	4.70nm		5.1mb		epPKP	04 58.00		
	e	58 34.00			SBA	92.79	191 iPd	58 44.20	1.6		ePP	07 48.00		
	e	58 42.00			FVI	92.79	44 P	58 45.00	1.9		eSS	26 00.00		
	epP	58 49.00	106kmX		BHG	92.86	43 eP	58 44.10	0.6	HHC	140.47	348 PKP	04 54.80 -5.7X	
	e	58 56.00			WET	92.87	41 eP	58 44.40	0.9	WB2	140.61	234 ePKP	04 52.50 -8.7X	
	ePP	01 48.00			ARV	92.89	47 P	58 45.40	-0.3		1.3s	26.90nm		
	e	02 43.00			CLL	92.95	39 iPc	58 44.80	1.0		e	07 42.40		
	(S)	08 41.00				1.5s	48.00nm		5.6mb	WRA	140.62	234 PKP	04 52.00 -9.2X	
	eSS	08 58.00				epP	59 10.00	93km			0.9s	24.70nm		
	eS	09 28.00			AQU	93.22	48 P	58 46.90	1.6	WARB	142.45	219 ePKP	04 58.00 -6.3X	
	ePS	09 43.00			KHC	93.33	41 iPc	58 46.50	0.9	KLB	142.78	204 ePKP	05 00.00 -4.7X	
	e	10 42.00				1.3s	15.00nm		5.2mb	GTA	143.03	2 ePKP	05 00.00 -5.1X	
	e	15 25.00				e	58 49.50	9kmX		Z	28s	0.70um	5.3MsZ	
LRG	88.10	47 eP	58 21.50	0.1		SKS	09 14.00			E	12s	0.20um		
	1.0s	28.00nm		5.3mb	SDI	93.53	49 P	58 47.00	0.3		SKKS	14 54.00		
Z	22s	2.13um		5.5MsZ	BRG	93.55	39 iPc	58 47.60	1.0	MUN	143.04	202 ePKP	05 00.00 -5.1X	
LMR	88.20	47 iPc	58 22.00	0.1		1.2s	42.00nm		5.7mb		1.0s	130.00nm		
	1.0s	20.00nm		5.1mb		epP	59 13.40	96km		TIA	143.14	338 ePKP	04 59.20 -6.0X	
VITF	88.26	42 P	58 21.98	-0.1		iSP	59 26.00			TIY	143.24	345 PKPc	05 00.80 -4.6X	
BRW	88.27	342 ePd	58 22.00	0.3		eSKS	09 16.00			Z	24s	0.82um	5.4MsZ	
FRF	88.32	46 iPc	58 22.60	0.1		eS	09 48.00				sPKP	05 39.50		
	0.9s	42.60nm		5.5mb	RFI	93.65	49 P	58 49.06	1.9	BAL	144.07	203 ePKP	05 03.00 -3.9X	
BNI	88.46	45 Pc	58 24.10	0.8		1.4s	289.40nm		6.5mb	NDI	145.24	39 iPKP	05 09.00 0.0	
ENN	88.46	39 iPc	58 24.90	1.9	GIB	93.69	52 P	58 48.06	0.4	MRWA	145.58	203 iPKPc	05 08.40 -1.2	
	1.1s	151.00nm		6.0mb	PRU	93.94	40 Pc	58 49.20	0.8	SSE	145.64	329 iPKPc	05 08.40 -1.1	
	e	58 49.50	91km			1.4s	20.00nm		5.4mb	NJ2	146.00	332 PKPd	05 09.00 -1.1	
HAU	88.49	42 iPc	58 23.20	0.0		Z	22s	0.90um	5.2MsZ	LZH	146.27	356 ePKPd	05 11.12 0.4	
	1.2s	23.80nm		5.2mb		E	22s	0.60um			Z	30s	0.71um	5.3MsZ
Z	22s	0.47um		4.9MsZ		pP	59 15.20	96km			pPKP	05 39.00		

12d 01h

sPKP 05 47.00
 PP 08 35.00
 SKKS 15 15.00
 MTN 146.63 242 ePKP 05 10.50 -1.1
 MEKA 146.71 209 ePKP 05 10.00 -1.5
 KNA 147.31 236 iPKPd 05 14.20 1.6
 0.4s 102.00nm
 XAN 147.58 348 PKP 05 12.00 -0.7
 POO 148.78 57 iPKP 05 14.80 -0.2
 WHN 149.23 337 PKPd 05 15.00 -0.3
 GKN 149.97 30 PKP 05 16.76 0.0
 MBL 150.36 217 ePKP 05 16.60 -0.7
 e 05 21.00
 KKN 150.46 29 PKP 05 17.62 0.1
 DMN 150.53 30 PKP 05 17.78 0.1
 GUN 150.65 28 PKP 05 18.14 0.1
 PKI 150.71 29 PKP 05 17.68 -0.4
 1.0s 881.00nm
 LSA 151.14 18 PKPd 05 20.00 1.2
 CD2 151.42 355 iPKPd 05 18.80 0.1
 QZH 151.86 325 ePKP 05 19.00 -0.4
 HYB 153.22 54 ePKPd 05 21.30 -0.3
 1.0s 100.00nm
 GBA 154.03 63 PKPd 05 22.90 0.2
 1.1s 63.00nm
 KOD 155.22 70 ePKP 05 26.00 1.3
 GYA 155.38 348 PKPd 05 24.20 -0.2
 KMI 157.24 356 PKPd 05 27.00 0.0
 QIZ 161.29 333 PKP 05 31.50 0.3
 TSM 162.96 277 ePKPd 05 35.00 1.9
 CHG 163.44 7 ePKP 05 33.40 0.0
 e 06 24.00
 BDT 164.99 8 ePKP 05 34.00 -0.8
 1.0s 34.50nm
 SNG 175.12 6 ePKP 05 40.10 -0.4
 e 07 16.80
 e 10 54.90
 e 14 34.00
 IPM 177.72 2 ePKPd 05 45.20 4.2X
 1.2s 136.30nm
 KGM 177.78 263 ePKPd 05 40.60 -0.4
 S.D. = 1.0 on 345 of 372 obs.

? JUN 12, 1991 01h 29m 05.61±2.27s
 13.244 N ±10.9km 62.228 W ±72.4km
 DEPTH = 125.1 ±43.3 km
 3.8mb (1 obs.)
 WINDWARD ISLANDS (95)
 MD 3.7 (TRN).

SVV 0.99 86 eP 29 27.35 -0.9
 eS 29 42.84
 BIM 1.69 41 iPc 29 36.23 0.2
 FDF 1.81 35 iPc 29 38.54 1.0
 1.9s 63.40nm
 MVM 1.84 45 iPc 29 37.32 -0.5
 CRM 1.97 40 iPc 29 39.37 0.0
 TCE 2.57 170 eP 29 46.71 -0.4
 eS 30 15.85
 TRN 2.70 163 eP 29 47.76 -1.0
 eS 30 16.67
 TBH 2.97 157 eP 29 53.34 1.0
 eS 30 22.86
 TPP 3.01 165 eP 29 53.72 0.9
 eS 30 25.02
 YKA 61.47 335 eP 39 10.60 -0.3
 0.5s 0.60nm 3.8mb
 S.D. = 0.9 on 10 of 10 obs.

% JUN 12, 1991 01h 53m 40.71±0.82s
 37.708 N ±7.1km 15.000 E ±7.4km
 DEPTH = 10.0km (geophysicist)
 SICILY (398)
 MNO 0.33 313 P 53 47.30 -0.3
 eSg 53 52.20
 ATN 0.58 39 Pc 53 52.90 0.4
 eSg 54 02.80
 MEU 0.61 185 P 53 53.00 -0.1
 eSg 54 01.80
 GIB 0.82 290 P 53 57.00 0.3
 eSg 54 09.00
 CZI 1.75 30 P 54 10.30 -0.9
 TDS 2.21 28 P 54 18.50 0.5
 S.D. = 0.7 on 6 of 6 obs.

? JUN 12, 1991 02h 25m 55.27±6.20s

13.921 N ±65.6km 92.886 W ±16.3km
 DEPTH = 33.0km (normol)
 4.2mb (1 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)
 TPX 1.15 32 iP 26 15.00 -0.1
 (S) 26 35.50
 SCX 2.81 5 iP 26 42.50 3.7X
 iS 27 15.50
 PBJ 3.49 316 iP 26 47.50 -1.1
 iS 27 28.00
 OXX 4.85 311 (P) 27 17.50 9.4X
 iISM 6.63 320 (P) 27 34.00 1.1
 PPM 7.52 314 (P) 27 50.00 4.1X
 ANMO 24.26 332 (P) 31 14.50 3.8X
 YKA 50.91 347 eP 34 55.20 0.1
 0.8s 2.10nm 4.2mb
 S.D. = 1.5 on 4 of 8 obs.

JUN 12, 1991 03h 05m 21.30±0.24s
 14.892 N ±4.8km 96.327 E ±3.5km
 DEPTH = 10.0km (geophysicist)
 5.0mb (45 obs.) 5.2MsZ (2 obs.)
 ANDAMAN ISLANDS REGION (703)
 Felt at Bangkok, Thailand.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 19C
 Centroid Location:
 Origin Time 03:05:25.4 0.9
 Lat 14.96N 0.10 Lon 95.85E 0.16
 Dep 15.0 FIX Half-duration 1.5
 Moment Tensor: Scale 10**16 Nm
 Mrr=-1.12 0.64 Mtt=2.84 0.70
 Mff=-1.72 1.09 Mrt=-0.31 2.59
 Mrf=1.05 2.59 Mtf=6.11 0.56
 Principal Axes:
 T Val= 7.09 Plg= 2 Azm=325
 N -0.92 78 223
 P -6.17 12 55
 Best Double Couple: Mo=6.6*10**16
 NP1: Strike= 99 Dip=80 Slip= -7
 NP2: 191 84 -170

KHT 2.19 92 iPg 05 57.20 -1.1
 BDT 3.48 47 ePn 06 13.00 -3.5X
 ePg 06 18.00
 eSg 07 11.00
 NST 3.75 78 ePn 06 19.00 -1.5
 NNT 4.02 124 ePn 06 21.30 -3.0
 CHG 4.64 32 ePn 06 31.00 -2.1
 ePg 06 50.80
 iSg 07 57.00
 SNG 8.75 151 eP 07 20.80 -10.0X
 IPM 11.24 155 ePc 08 14.00 8.8X
 e 11 35.30
 SHL 11.41 339 iP 08 02.00 -5.5X
 iS 10 03.00
 KMI 11.83 30 eP 08 16.00 2.7X
 6.0s 900.00nm 6.2mb X
 Z 10s 9.30um 4.7MsZ
 pP 08 20.00
 S 10 30.00
 QIZ 13.57 70 eP 08 33.00 -3.4X
 N 11s 5.20um
 E 12s 11.60um
 KGM 14.54 151 eP 08 51.40 2.3X
 e 13 17.00
 GYA 15.02 38 P 08 57.00 1.5
 1.2s 100.00nm 5.1mb
 Z 11s 6.10um 4.4MsZ
 E 10s 11.20um
 S 11 47.00
 LSA 15.49 343 P 08 57.80 -4.2X
 Z 11s 2.40um
 E 12s 3.00um
 S 11 45.50
 GUN 16.19 325 P 09 09.16 -1.7
 PKI 16.19 323 P 09 08.70 -2.2
 DMN 16.40 322 P 09 13.80 0.3
 KKN 16.43 323 P 09 15.60 1.7
 GKN 16.97 322 P 09 19.24 -1.4
 HYB 17.26 281 ePc 09 27.90 3.8X
 1.8s 145.80nm 4.8mb
 e 09 42.00
 eS 12 30.00
 CD2 17.34 22 eP 09 24.20 -0.9

E 10s 17.10um
 eS 12 38.80
 GZH 18.03 61 iPc 09 38.80 5.2X
 5.0s 1800.00nm 5.5mb X
 Z 10s 12.90um 5.3MsZ
 E 11s 28.00um
 GBA 18.36 268 Pc 09 39.20 1.5
 0.7s 27.70nm 4.5mb
 HKC 18.44 64 eP 09 40.00 1.2
 eS 13 24.00
 KOD 18.98 258 eP 09 47.30 1.6
 POO 21.83 283 iPd 10 16.10 0.2
 iS 14 17.00
 LZH 22.15 16 eP 10 21.00 1.8
 1.6s 230.00nm 5.4mb
 Z 14s 8.59um 5.3MsZ
 N 12s 7.91um
 pP 10 29.00 29kmX
 PP 10 48.50
 eS 14 20.00
 XAN 22.21 29 P 10 18.00 -1.5
 S 10 32.00
 S 14 21.00
 NDI 22.39 311 iPd 10 22.50 1.1
 0.6s 26.67nm 4.9mb
 eS 14 26.00
 WHN 22.73 44 eP 10 25.50 0.8
 0.8s 100.00nm 5.4mb
 Z 14s 7.10um 5.3MsZ
 N 12s 8.60um
 E 10s 6.00um
 QZH 23.17 61 P 10 30.20 1.2
 0.9s 100.00nm 5.4mb
 Z 12s 6.60um 5.3MsZ
 E 11s 3.40um
 BAG 23.40 83 eP 10 33.00 1.5
 eS 14 50.00
 TSM 23.89 114 eP 10 37.00 0.9
 GTA 24.62 6 P 10 45.00 1.9
 1.5s 120.00nm 5.3mb
 Z 16s 4.90um 5.1MsZ
 E 10s 3.90um
 NJ2 26.72 46 Pc 11 02.60 -0.1
 1.2s 200.00nm 5.7mb
 Z 11s 5.40um 5.4MsZ
 N 10s 4.10um
 E 11s 6.20um
 TIY 26.84 29 eP 11 05.10 1.2
 Z 12s 6.30um 5.4MsZ
 N 10s 5.50um
 E 10s 4.70um
 SSE 27.90 50 Pc 11 17.10 3.6X
 1.0s 37.00nm 5.1mb
 Z 16s 9.30um 5.5MsZ
 N 16s 17.90um
 E 16s 8.20um
 TIA 28.22 37 eP 11 17.00 0.7
 Z 11s 6.60um 5.5MsZ
 E 10s 6.40um
 eS 16 03.00
 BTO 28.26 22 eP 11 16.50 -0.3
 E 10s 4.10um
 ePP 12 04.00
 eS 15 55.00
 HHC 29.07 24 eP 11 24.80 0.7
 Z 12s 6.20um 5.4MsZ
 N 10s 3.30um
 E 10s 2.50um
 ScS 22 03.00
 WMO 29.76 347 P 11 32.20 1.9
 2.0s 30.00nm 4.8mb
 N 12s 1.60um
 S 16 20.10
 KSH 30.29 328 P 11 38.00 2.9X
 E 11s 6.90um
 BJI 30.48 31 eP 11 36.00 -0.5
 1.4s 29.00nm 4.9mb
 Z 14s 7.03um 5.5MsZ
 N 11s 7.18um
 E 11s 3.58um
 eS 16 36.00
 eSS 18 16.00
 SNY 35.70 36 eP 12 21.00 -0.9
 1.6s 90.00nm 5.4mb
 Z 12s 5.40um 5.5MsZ
 E 10s 1.70um
 pP 12 25.40 15kmX

12d 03h																				
IRK	37.83	8 eP	12 40.80	1.1		1.0s	50.00nm	5.6mb		TTA	20.26	60 eP	22 33.80	-0.2		1.0s	25.00nm	4.5mb		
		e	12 51.30			CDF	78.40	317 eP	17 23.10	-0.8	SVW	20.70	65 ePc	22 38.50	0.0		20.70	65 ePc	22 38.50	0.0
		e	22 00.00			PRY	78.68	238 iPd	17 27.50	1.7	BRW	20.88	36 eP	22 42.60	2.5X		20.88	36 eP	22 42.60	2.5X
		e	24 32.00			1.0s	40.00nm	5.4mb		KSR	78.74	239 iPd	17 25.50	-0.7		IMA	21.14	51 P	22 43.00	-0.1
		e	25 34.20			1.0s	45.00nm	5.5mb		1.0s	84.46nm	4.9mb				1.5s	84.46nm	4.9mb		
		e	26 48.00			SBF	79.05	313 eP	17 27.10	-0.4	FBA	23.66	53 eP	23 09.20	1.5		23.66	53 eP	23 09.20	1.5
		e	29 00.00			HAU	79.08	317 eP	17 27.10	-0.4	0.7s	12.35nm	4.5mb			0.7s	12.35nm	4.5mb		
CN2	38.03	35 eP	12 41.40	0.0		0.9s	9.85nm	4.8mb		MDJ	24.71	251 P	23 18.00	0.0		24.71	251 P	23 18.00	0.0	
	1.0s	40.00nm		5.1mb		LPG	79.25	314 eP	17 28.50	-0.3	N 14s	4.14um				N 14s	4.14um			
Z	13s	5.60um		5.6MszX		0.7s	6.05nm	4.7mb		E 17s	1.57um					E 17s	1.57um			
N	10s	1.00um				LPL	79.26	314 eP	17 27.40	-1.4	TOA	24.90	60 eP	23 20.70	0.9		24.90	60 eP	23 20.70	0.9
E	10s	2.00um				0.7s	5.50nm	4.7mb		MAT	27.29	228 (P)	23 44.00	2.0		27.29	228 (P)	23 44.00	2.0	
	pP		12 50.00	29kmX		FRF	79.67	312 eP	17 30.60	-0.2	0.8s	7.46nm	4.4mb			0.8s	7.46nm	4.4mb		
	eS		18 34.00			0.8s	9.40nm	4.8mb		INK	28.75	44 eP	23 54.00	-0.9		28.75	44 eP	23 54.00	-0.9	
MAIO	39.13	310 eP	12 51.00	0.1		LMR	79.81	312 eP	17 31.50	0.0	31.55	27 ePc	24 19.50	-0.1		31.55	27 ePc	24 19.50	-0.1	
TSRJ	40.99	53 eP	13 08.80	2.7X		0.8s	8.05nm	4.8mb		MBC	1.0s	6.00nm	4.4mb			1.0s	6.00nm	4.4mb		
IIDJ	42.46	53 P	13 21.40	3.2X		LRG	79.90	312 eP	17 32.20	0.3	BJI	34.87	259 eP	24 49.00	0.2		34.87	259 eP	24 49.00	0.2
MTMJ	42.73	52 P	13 24.50	4.0X		BLF	80.57	237 iPc	17 36.70	0.7	Z 16s	4.65um	5.3MszX			Z 16s	4.65um	5.3MszX		
MAT	43.02	52 eP	13 23.00	0.2		0.8s	18.75nm	5.1mb		N 14s	5.53um					N 14s	5.53um			
	0.8s	31.34nm		5.1mb		LBF	80.85	316 eP	17 36.40	-0.6	BTQ	37.68	266 eP	25 11.00	-1.7		37.68	266 eP	25 11.00	-1.7
	eS		20 10.00			1.0s	12.00nm	4.9mb		YKA	38.22	48 eP	25 15.80	-1.0		38.22	48 eP	25 15.80	-1.0	
CHJJ	43.47	53 P	13 26.50	0.1		LOR	80.87	316 eP	17 36.70	-0.4	0.9s	4.20nm	4.3mb			0.9s	4.20nm	4.3mb		
NIJJ	43.85	51 eP	13 31.20	1.7		SMF	81.01	316 eP	17 37.40	-0.5	GTA	43.92	273 eP	25 59.60	-4.5X		43.92	273 eP	25 59.60	-4.5X
KAKJ	44.43	53 eP	13 33.90	-0.2		0.7s	4.40nm	4.6mb		Z 20s	4.40um	5.4Msz				Z 20s	4.40um	5.4Msz		
IR4	45.40	305 ePd	13 43.50	1.3		SSF	81.15	316 eP	17 39.00	0.5	E 14s	2.30um				E 14s	2.30um			
IR1	45.61	305 ePd	13 44.50	0.6		0.7s	3.30nm	4.5mb		PNT	44.04	67 eP	26 05.00	0.2		44.04	67 eP	26 05.00	0.2	
IR5	45.65	305 eP	13 45.50	1.4		AVF	81.31	316 eP	17 39.10	-0.3	0.7s	10.00nm	4.7mb			0.7s	10.00nm	4.7mb		
IR7	45.75	306 ePd	13 46.00	1.1		BRW	81.32	18 eP	17 40.10	1.2	BMW	44.19	72 P	26 07.60	1.5		44.19	72 P	26 07.60	1.5
WRA	50.95	132 P	14 24.00	-1.3		FRS	81.51	236 iPc	17 41.60	0.9	RMW	44.22	70 P	26 07.70	1.3		44.22	70 P	26 07.70	1.3
	0.7s	49.50nm		5.6mb		0.6s	30.00nm	5.5mb		LZH	44.28	267 eP	26 08.50	1.4		44.28	267 eP	26 08.50	1.4	
WB2	50.96	132 iPc	14 24.50	-0.9		KIM	81.57	237 iPd	17 41.20	0.0	1.6s	29.00nm	4.9mb			1.6s	29.00nm	4.9mb		
	0.7s	54.40nm		5.6mb		1.2s	62.50nm	5.6mb		Z 15s	3.34um	5.4MszX				Z 15s	3.34um	5.4MszX		
YAK	52.70	19 eP	14 36.40	-1.6		MAF	81.97	316 eP	17 42.80	0.0	E 13s	2.34um				E 13s	2.34um			
	e		16 07.00			1.2s	11.90nm	4.9mb		SHW	44.88	72 P	26 13.80	2.0		44.88	72 P	26 13.80	2.0	
ASPA	55.08	136 eP	14 29.00	-12.4X		TCF	82.19	316 eP	17 44.10	0.1	WMQ	47.02	287 P	26 28.00	-0.7		47.02	287 P	26 28.00	-0.7
	1.0s	3.80nm				0.8s	5.35nm	4.7mb		0.7s	10.00nm	4.9mb				0.7s	10.00nm	4.9mb		
DSI	57.74	298 eP	15 14.50	-0.5		EKA	83.19	325 P	17 53.00	4.0X	N 10s	2.40um				N 10s	2.40um			
PRNI	58.04	297 eP	15 15.40	-1.7		0.9s	5.60nm	4.8mb		SES	47.34	60 eP	26 30.00	-1.1		47.34	60 eP	26 30.00	-1.1	
RMN	58.36	297 eP	15 16.80	-2.7		IMA	84.36	23 eP	17 55.40	0.5	FFC	48.23	51 eP	26 36.00	-1.9		48.23	51 eP	26 36.00	-1.9
OBN	60.72	325 eP	15 34.00	-1.2		TTA	84.67	26 eP	18 00.90	4.5X	1.0s	17.00nm	5.0mb			1.0s	17.00nm	5.0mb		
	1.2s	*****nm		8.4mb X		SVW	85.54	28 eP	18 03.30	2.5X	GYA	50.41	256 P	26 53.60	-1.5		50.41	256 P	26 53.60	-1.5
Z	18s	1.80um		5.3Msz		WIN	86.01	246 iPd	18 05.60	1.7	ARN	51.68	79 P	27 05.90	1.4		51.68	79 P	27 05.90	1.4
N	16s	0.80um				1.0s	40.00nm	5.5mb		FRB	52.01	26 eP	27 05.00	-1.6		52.01	26 eP	27 05.00	-1.6	
	e		16 19.00			0.8s	8 eP	18 05.00	-0.5	BONR	52.88	76 P	27 15.50	1.6		52.88	76 P	27 15.50	1.6	
STK	63.60	138 eP	15 54.20	-0.5		1.0s	4.00nm	4.6mb		BW06	53.60	66 P	27 18.60	-0.4		53.60	66 P	27 18.60	-0.4	
	0.7s	5.20nm		4.8mb		FBA	87.08	23 eP	18 10.10	1.9	1.1s	0.94nm	3.7mb			1.1s	0.94nm	3.7mb		
ADE	63.84	142 eP	15 56.60	0.2		RSO	87.09	28 P	18 10.00	1.4	ISA	54.55	78 eP	27 26.00	0.1		54.55	78 eP	27 26.00	0.1
	0.8s	50.75nm		5.8mb		PMR	88.15	26 eP	18 13.80	0.4	CLC	54.88	77 eP	27 29.00	0.7		54.88	77 eP	27 29.00	0.7
VRJ	65.28	314 ePc	16 06.50	0.9		SLKM	88.19	27 P	18 17.00	3.3X	RSSD	55.18	61 P	27 30.00	-0.6		55.18	61 P	27 30.00	-0.6
RMQ	65.48	129 eP	16 08.00	0.9		TOA	89.12	25 eP	18 19.80	1.7	1.1s	1.71nm	4.0mb			1.1s	1.71nm	4.0mb		
MLR	65.80	313 eP	16 08.00	-1.1		KLU	89.54	25 P	18 20.30	0.1	MSU	55.56	71 P	27 33.50	0.1		55.56	71 P	27 33.50	0.1
CMP	66.43	313 eP	16 12.00	-1.0		INK	89.70	17 eP	18 20.00	-0.6	SBB	55.64	78 eP	27 34.00	0.2		55.64	78 eP	27 34.00	0.2
VAY	68.18	309 eP	16 22.30	-1.8			pP	18 37.00	60kmX		GSC	55.69	77 eP	27 34.00	-0.2		55.69	77 eP	27 34.00	-0.2
SOD	68.57	337 eP	16 26.00	-0.1		YKA	99.14	14 eP	19 04.20	0.2	MWC	55.88	79 eP	27 41.00	5.3X		55.88	79 eP	27 41.00	5.3X
	i		16 30.00			0.8s	0.80nm	4.4mb		RVR	56.41	79 eP	27 42.00	2.7X		56.41	79 eP	27 42.00	2.7X	
SKO	69.01	310 eP	16 27.70	-1.6		ANMO	125.92	23 PKP	24 26.00	0.1	TPC	57.01	78 eP</							

SRO	70.33	336	eP	29	12.50	1.8	XAN	30.41	331	P	53	31.50	-1.5	OBN	83.27	325	iPd	59	44.00	0.3
CDF	71.79	343	eP	29	17.80	-1.8	MAT	30.44	19	eP	53	28.00	-5.2X		1.1s	*****nm			8.2mb	X
LOR	73.40	345	eP	29	27.00	-2.0		0.9s	8.40nm			4.5mb					eP	00	19.00	138kmX
	1.0s	10.00nm				4.8mb			eS	58	16.00						eS	09	44.00	
LBF	73.66	345	eP	29	28.60	-1.9	CD2	30.96	320	eP	53	37.60	-0.3	KEV	85.72	340	eP	59	56.00	0.3
AVF	73.93	346	eP	29	30.30	-1.7		0.7s	40.00nm			5.3mb		HR1	86.05	303	eP	59	58.60	0.4
LPG	74.71	343	eP	29	36.20	-0.8	QIS	31.30	155	eP	53	39.00	-1.9	SOD	86.34	338	iP	59	58.40	-0.4
	1.1s	14.65nm				4.9mb			i	53	46.20	25kmX	INK	86.40	22	ePd	59	58.80	-0.2	
SFI	75.37	339	P	29	41.60	1.2			e	56	31.00		JVI	86.54	302	eP	00	01.00	0.4	
VAY	75.43	330	eP	29	41.30	0.5	TIY	32.09	339	Pd	53	47.10	-0.6	AFR	86.73	108	iP	00	04.40	2.9
ARV	75.57	338	P	29	42.80	1.2	ASPA	32.37	167	iPd	53	48.80	-1.4		1.2s	45.00nm			5.3mb	
OHR	76.08	332	eP	29	44.00	-0.5		1.3s	13.10nm			4.6mb		MBH	87.22	300	eP	00	04.00	0.1
MGR	78.25	335	P	29	57.60	1.2			i	56	34.10		TVO	87.27	108	iP	00	07.40	3.2X	
TDS	78.53	334	P	30	00.20	2.2	BJI	33.13	346	eP	53	55.50	-1.1		1.2s	70.00nm			5.5mb	
WB2	81.56	207	iPc	30	13.70	-0.6		0.9s	28.00nm			5.0mb		KAF	87.59	332	eP	00	04.10	-0.7
	0.7s	5.80nm				4.7mb			ePcP	56	36.50		MBC	87.92	13	ePd	00	06.50	0.2	
WRA	81.56	207	P	30	13.00	-1.3			eS	59	03.00			1.0s	42.00nm			5.4mb		
	0.8s	4.40nm				4.5mb			eScP	00	06.00					pP	00	43.00	143km	
S.D. = 1.2 on 61 of 67 obs.																				
JUN 12, 1991 03h 47m 32.61±0.17s																				
8.007 N ± 3.3km 126.201 E ± 5.8km																				
DEPTH = 147.9km (6 depth phases)																				
5.2mb (41 obs.)																				
MINDANAO, PHILIPPINE ISLANDS (259)																				
CENTROID, MOMENT TENSOR (HRV)																				
Data Used: GDSN																				
L.P.B.: 16S, 27C																				
Centroid Location:																				
Origin Time 03:47:35.4 1.1																				
Lat 8.39N 0.11 Lon 125.94E 0.10																				
Dep 130.9 5.9 Half-duration 1.8																				
Moment Tensor: Scale 10**16 Nm																				
Mrr=-6.74 0.84 Mtt=-0.18 0.95																				
Mff= 6.91 1.30 Mrt= 6.50 0.83																				
Mrf= 2.82 0.84 Mtf= 2.10 1.11																				
Principal Axes:																				
T Vol= 9.04 Plg=19 Azm=297																				
N 1.79 23 35																				
P -10.83 59 171																				
Best Double Couple:Ma=9.9*10**16																				
NP1:Strike=354 Dip=33 Slip=-137																				
NP2: 225 68 -65																				
DAV	1.10	214	iPd	48	01.50	3.1	HHC	35.21	341	eP	54	14.20	-0.3	RUW	88.64	105	iP	00	14.30	3.6X
MNI	6.66	192	iPc	49	10.00	0.7	MEKA	35.21	192	eP	54	13.80	-0.7		1.2s	50.00nm			5.4mb	
OCP	8.28	323	eP	49	30.00	-1.0	BTO	35.52	339	eP	54	17.00	-0.1	NUR	88.73	331	eP	00	09.90	-0.4
TSM	8.91	246	ePc	49	45.90	6.5X	CN2	35.66	359	eP	54	17.60	-0.5		0.8s	42.60nm			5.5mb	
BAG	9.99	327	eP	49	52.40	-1.5	MDJ	36.59	4	eP	54	26.50	0.6	MLR	91.47	316	eP	00	23.00	-0.6
KUPT	18.22	188	ePc	51	34.30	-3.0X		0.8s	30.00nm			5.1mb					e	10	40.00	
OZH	18.34	338	eP	51	37.50	-1.0	MRWA	38.29	194	eP	54	40.00	-0.3	UPP	92.28	331	iP	00	26.20	-0.5
QIZ	19.29	306	iPc	51	49.80	1.3	FORR	38.68	177	eP	54	43.00	-0.5	KRA	94.18	322	eP	00	35.90	0.1
	0.8s	200.00nm				5.5mb	GTA	39.21	327	iPc	54	48.90	0.9	NB2	94.74	334	P	00	36.60	-1.6
	N 14s	1.30um						0.8s	30.00nm			5.1mb			0.7s	5.30nm			5.0mb	
	E 14s	0.70um						Z 24s	0.90um			4.5mszX		VAY	94.86	313	eP	00	38.00	-1.1
		eS						E 11s	0.30um					SKO	95.51	314	eP	00	41.50	-0.5
									pP	55	22.60	153km		YKA	95.84	24	eP	00	42.70	-0.4
									PcP	56	55.00				0.6s	6.30nm			5.2mb	
									ScP	00	28.20		KSP	96.13	323	eP	00	43.00	-1.7	
									S	00	39.00					e	01	21.50	151km	
									PcS	00	42.40		OHR	96.21	313	eP	00	43.80	-1.5	
							LSA	39.32	308	P	54	53.00	3.6X	PRU	97.48	323	Pd	00	51.00	0.2
BAL	39.46	193	eP	54	49.50	-0.5	MUN	40.89	193	eP	55	02.00	0.3	CLL	97.88	324	eP	00	52.00	-0.5
MUN	40.89	193	eP	55	02.00	0.3	NWAO	41.59	191	iPd	55	07.40	0.0		1.8s	26.00nm			5.4mb	
	1.0s	60.00nm				5.2mb							KHC	98.39	322	eP	00	56.00	1.1	
STK	42.30	160	iPd	55	12.80	-0.5		0.9s	9.60nm			4.4mb			1.1s	4.00nm			4.9mb	
						26kmX			e	55	20.40		GRF	99.58	323	ePc	01	01.40	1.1	
									iScP	00	39.60			1.7s	21.00nm			5.4mb		
									eS	01	18.20		WTTA	100.32	321	i(Pdif)	01	03.60	-0.3	
GUN	42.89	303	P	55	18.82	0.3								1.1s	14.00nm			5.4mb		
PKI	43.17	302	P	55	20.28	-0.5							FRB	107.58	7	ePKP	05	44.00	1.0	
RKG	43.23	191	eP	55	21.50	0.8							ALO	114.50	46	ePKP	05	57.80	0.4	
KKN	43.35	302	P	55	21.92	-0.2							TUL	121.11	39	ePKP	06	09.80	0.1	
DMN	43.44	302	P	55	22.68	-0.2								1.2s	16.80nm					
GKN	43.96	302	P	55	26.10	-0.9							KIC	129.04	285	PKP	06	26.00	0.5	
ADE	44.35	165	eP	55	30.00	0.2							CBN	129.04	24	ePKP	06	25.00	0.2	
	0.7s	134.25nm				5.7mb							LIC	129.35	285	PKP	06	26.40	0.3	
BFD	47.48	162	iPd	55	53.60	-0.8							UPA	149.30	57	iPKPd	07	06.40	4.7X	
	0.9s	105.00nm				5.5mb								1.0s	318.00nm					
WMO	48.97	323	Pd	56	07.00	1.1							TACH	149.97	151	iPKP	07	07.90	5.7X	
	1.0s	50.00nm				5.2mb							SAN	150.26	151	iPKP	07	09.00	6.3X	
	N 10s	0.20um											PEL	150.50	150	iPKP	07	09.70	6.6X	
DZM	49.49	128	iPd	56	10.40	0.2								0.9s	201.68nm					
						405kmX							ARE	160.79	118	ePKP	07	19.00	2.0	
YAK	53.96	2	eP	56	42.40	-0.5							ZOBO	163.78	122	PKP	07	21.20	0.8	
ADK	63.77	35	iPc	57	50.80	0.0								1.5s	62.37nm					
	1.0s	75.00nm				5.6mb							Z 23s	0.31um						
		eP				143km									LR		26	14.00		
THZ	65.40	143	P	58	00.80	-0.7							PPD	165.85	189	(PKP)	07	23.00	1.7	
LTZ	65.66	144	P	58	02.50	-0.6							S0B1	167.18	264	(PKP)	07	23.00	0.4	
SDN	73.97	35	eP	58	52.20	-1.0							SIV	169.35	139	PKP	07	24.60	0.7	
SVW	77.32	29	ePd	59	13.60	1.5									i		08	04.40		
TTA	77.36	27	ePd	59	13.20	0.9							S.D. = 1.0 on 101 of 118 obs.							
	0.7s	10.90nm				4.7mb							JUN 12, 1991 04h 31m 34.64±0.70s							
		pP				145km							3.402 S ± 5.5km 152.168 E ± 8.4km							
BRW	78.31	19	ePd	59	18.50	1.2							DEPTH = 340.2 ± 6.4 km							
KDC	78.63	33	ePd	59	20.00	0.7							5.0mb (17 obs.)							
IMA	78.72	24	P	59	20.40	0.6							NEW IRELAND REGION (190)							
PWA	80.12	29	eP	59	27.00	-0.2							RAB	0.78	180	iP	32	19.00	-1.1	
PMR	80.47	29	ePd	59	29.10	0.1									iS		32	54.00		
	0.6s	28.33nm				5.2mb							LAT	6.08	238	iPc	33	08.20	1.6	
FBA	81.11	26	eP	59	32.20	-0.1							MDG	6.63	254	eP	33	17.00	3.9X	
TOA	81.87	28	ePd	59	37.90	1.4														
KLU	82.01	29	P	59	37.90	0.7														

12d 04h

PMG	7.77	220	eP	33	27.00	0.3
	0.9s	638.66nm				5.7mb
QIS	20.99	215	iPd	35	55.40	2.3
	0.7s	48.00nm				4.9mb
		i		39	24.00	
DZM	23.16	144	iPc	36	14.40	0.6
RMQ	23.19	188	eP	36	15.00	1.1
		i		36	17.00	7kmX
WB2	23.92	225	iPd	36	21.20	0.5
	0.2s	107.40nm				5.8mb
		eS		40	09.90	
		i		43	00.80	
WRA	23.93	225	P	36	20.00	-0.8
	0.9s	61.30nm				5.0mb
ASPA	26.79	220	iPd	36	46.60	0.0
	0.6s	58.70nm				5.1mb
		e		37	43.70	306kmX
		iS		40	54.70	
STK	30.02	198	eP	37	14.80	-0.2
	0.3s	4.80nm				4.3mb
		e		38	27.30	394kmX
		e		43	19.80	
WARB	33.35	225	iPd	37	43.70	-0.1
	0.4s	22.00nm				4.9mb
FORR	35.51	217	eP	38	01.00	-0.8
	0.3s	36.00nm				5.2mb
MBL	36.06	238	eP	38	05.00	-1.6
MEKA	39.61	231	eP	38	34.50	-1.4
COOL	40.04	224	eP	38	38.00	-1.4
	0.4s	33.00nm				4.9mb
MAT	41.82	343	eP	38	50.00	-3.7X
	0.8s	11.94nm				4.2mb
MRWA	42.86	229	iPc	39	01.10	-1.1
BAL	43.04	227	eP	39	02.10	-1.5
OZH	43.09	313	Pc	39	04.50	0.5
	0.6s	40.00nm				4.8mb
OIZ	47.23	300	eP	39	38.10	1.5
NJ2	47.37	321	Pd	39	37.50	0.1
WHN	49.42	316	Pc	39	54.20	1.1
	1.0s	30.00nm				4.6mb
CN2	52.77	336	eP	40	17.00	-0.8
GYA	53.05	307	P	40	21.00	0.7
TIY	55.05	322	Pc	40	34.10	-0.3
XAN	55.18	316	P	40	34.50	-0.9
CD2	57.36	310	iPd	40	50.50	-0.2
	1.0s	30.00nm				4.7mb
LZH	59.80	316	eP	41	07.80	0.4
	1.5s	71.00nm				5.0mb
GTA	64.21	317	P	41	36.60	0.3
	1.2s	30.00nm				4.8mb
YAK	67.47	349	eP	41	55.50	-0.7
GUN	70.86	301	P	42	18.18	0.3
PKI	71.18	300	P	42	19.52	-0.2
KKN	71.35	301	P	42	20.60	0.0
	0.5s	35.00nm				5.3mb
DMN	71.45	300	P	42	21.52	0.3
GKN	71.95	301	P	42	24.04	0.0
WMQ	74.29	317	P	42	37.50	0.4
FBA	80.83	22	P	43	11.20	-0.8
SPA	86.62	180	iPc	43	42.20	1.0
	1.2s	33.80nm				5.1mb
YKA	94.49	28	eP	44	17.10	-0.5
	0.6s	0.60nm				3.9mb X
NB2	115.39	340	PKP	49	36.10	-1.4
	0.7s	0.90nm				
GRF	123.25	331	e(PKP)	49	53.60	0.8
CDF	126.02	332	ePKP	49	53.20	-5.1X
BSF	126.66	331	ePKP	49	54.50	-5.1X
	0.9s	6.55nm				
HAU	126.75	332	ePKP	49	55.20	-4.4X
LPL	128.31	329	ePKP	50	03.40	0.4
	0.8s	3.35nm				
LPG	128.31	329	ePKP	50	03.50	0.4
	0.8s	4.05nm				
LOR	128.44	333	ePKP	50	01.40	-1.5
LBF	128.59	333	ePKP	50	03.90	0.7
SSF	128.75	333	ePKP	50	03.90	0.5
	1.0s	7.00nm				
SMF	128.91	332	ePKP	50	04.20	0.4
PGF	129.06	325	ePKP	50	03.70	-0.6
LPF	129.93	337	ePKP	50	06.20	0.6
AVE	144.66	330	iPKPc	50	33.00	-0.1
PPD	145.85	139	ePKP	50	36.40	1.0
S.D. = 0.9 on 50 of 55 obs.						

JUN 12, 1991 05h 04m 46.45 \pm 0.54s
40.493 N \pm 5.9km 26.208 E \pm 6.4km

DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 3.6 (ISK).

EZN	0.67	172	iPg	04	59.60	-0.2
			iSg	05	09.60	
KGT	0.84	92	iPg	05	02.60	0.0
EDC	1.27	96	iPn	05	10.50	0.4
KDZ	1.30	333	iPd	05	10.00	-0.5
BNT	1.31	95	iPn	05	11.10	0.4
RZN	1.64	317	iPc	05	14.00	-1.6
PLD	1.97	325	eP	05	22.00	1.8
JMB	1.99	8	eP	05	20.00	-0.5
DST	2.06	115	iPn	05	22.60	1.1
MMB	2.26	301	eP	05	29.00	5.8X
IZM	2.25	158	iPn	05	24.70	0.4
GBZT	2.48	82	ePn	05	34.00	6.5X
PGB	2.56	324	eP	05	30.00	1.2
HRT	2.65	82	ePn	05	30.00	-0.1
PVL	2.80	347	eP	05	30.00	-2.0
VAY	2.88	288	ePn	05	39.50	6.3X
VTS	3.08	314	eP	05	37.00	0.9
CIN	3.24	153	iPd	05	38.00	-0.3
KHL	3.36	129	iPn	05	38.50	-1.6
SKO	3.89	294	ePn	05	58.00	10.5X
MLR	5.00	358	eP	06	04.00	0.6

S.D. = 1.1 on 17 of 22 obs.

% JUN 12, 1991 05h 13m 42.43± 0.65s

DEPTH = 10.0 km (geophysicist)

mbLq 2.7 (MDD).

EHOR	0.72	346	iP	13	57.00	0.4
EJIF	0.76	208	eP	13	57.00	-0.2
			eS	14	07.50	
ECOG	1.18	82	iP	14	05.20	0.6
AFC	1.20	83	eP	14	05.00	0.2
			eS	14	21.80	
EGUA	1.21	103	eP	14	05.50	0.5
			eS	14	21.30	
EBAN	1.44	43	eP	14	08.00	-0.5
			eS	14	27.00	
EVAL	1.44	289	eP	14	08.70	0.1
EHUE	2.06	70	eP	14	16.50	-1.1
			eS	14	43.40	

S.D. = 0.7 on 8 of 8 obs.

? JUN 12, 1991 06h 55m 42.43± 4.74s

40.539 N \pm 23.9 km 26.145 E \pm 36.6 km

DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 3.1 (ISK).						
EZN	0.73	169	iPg	55	56.60	-0.1
			iSg	56	06.10	
KGT	0.89	95	iPg	55	59.10	-0.3
			eSg	56	11.60	
BNT	1.37	97	iPn	56	08.10	0.6
CTT	1.84	70	ePn	56	14.10	-0.2

S.D. = 0.7 on 4 of 4 obs.

* JUN 12, 1991 06h 58m 41.78± 1.03s

41.851 N ± 10.9 km 20.788 E ± 6.7 km

DEPTH = 5.0 km (geophysicist)

ALBANIA	(391)
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PHP	0.31	238	iPg	58	47.70	-0.3
SKO	0.50	76	ePg	58	50.80	-1.0
			i	58	52.00	
			iSg	58	58.40	
OHR	0.74	179	iPg	58	56.10	-0.5
			iSg	59	07.90	
LAC I	0.84	255	ePg	59	03.50	5.1X
TIR	0.86	234	ePg	59	02.50	3.8X
SDA	0.98	280	iPg	59	01.00	0.2
VAY	1.44	111	ePn	59	10.00	1.5

S.D. = 1.3 on 5 of 7 obs.

JUN 12, 1991 07h 00m 10.32± 0.26s

8.740 N \pm 3.8km 127.187 E \pm 7.5km

DEPTH = 36.9 km (5 depth phases)

5.0mb (23 obs.)

PHILIPPINE ISLANDS REGION (248)

DAV	2.29	224	eP	00	51.10	4.6X
	1.0s	480.00nm				
MNI	7.62	198	eP	02	02.80	1.1
QCP	8.37	315	eP	02	31.00	18.7X
BAG	9.98	320	eP	02	32.90	-1.8
QZH	18.08	334	Pd	04	21.20	0.8
	0.7s	20.00nm				4.4mb
KUPT	19.10	191	e(P)	04	33.80	0.8
QIZ	19.68	303	eP	04	37.80	-1.7
		eS	08	18.00		
MTN	21.80	170	eP	05	01.00	-0.2
SSE	22.94	347	Pc	05	12.50	0.2
	1.0s	25.00nm				4.6mb
Z	16s	0.40um				4.0MszX
N	10s	0.20um				
E	10s	0.10um				
		PP	05	39.50		
		eS	09	18.00		
		eSP	09	27.00		
KNA	24.38	176	eP	05	27.20	0.8
NJ2	24.45	343	Pd	05	28.00	1.0
KGM	24.67	256	ePd	05	32.10	2.8X
WHN	24.79	333	Pc	05	32.20	1.9
	1.0s	30.00nm				4.8mb
		pP	05	43.50		44km
IPM	26.31	263	ePd	05	52.20	7.5X
	1.0s	69.30nm				5.2mb
SNG	26.36	269	eP	05	47.20	2.1
PMG	26.84	132	eP	05	47.50	-2.0
NNT	27.24	280	eP	05	48.00	-5.2X
TIA	28.84	343	eP	06	06.40	-1.1
CHTO	29.16	293	(P)	06	08.30	-2.2
WB2	29.36	166	iPd	06	11.10	-1.2
	0.6s	26.20nm				5.1mb
		i	09	18.80		
XAN	30.27	329	P	06	18.00	-2.3
MBL	30.58	194	eP	06	22.50	-0.6
QIS	31.57	157	iPc	06	31.00	-0.8
	0.6s	31.00nm				5.3mb
		i	09	24.00		
TIY	31.78	337	Pc	06	33.70	0.1
	0.8s	40.00nm				5.3mb
Z	15s	0.47um				4.3MszX
BJI	32.68	344	eP	06	41.00	-0.3
	1.0s	20.00nm				5.0mb
SNY	33.11	355	iPd	06	44.80	-0.2
	1.0s	10.00nm				4.7mb
LZH	34.54	326	eP	07	00.00	2.3
	1.5s	14.00nm				4.7mb
WARB	34.72	181	iPc	06	59.80	0.7
	0.4s	9.00nm				5.1mb
HHC	34.86	339	P	07	00.40	0.1
	1.1s	80.00nm				5.6mb
CN2	34.96	358	eP	07	01.50	0.6
BTO	35.21	337	P	07	03.00	-0.3
MDJ	35.80	3	eP	07	08.60	0.5
MEKA	36.13	193	eP	07	11.00	-0.1
GTA	39.15	326	eP	07	36.60	0.2
	1.0s	10.00nm				4.5mb
Z	20s	0.40um				4.2Msz
N	13s	0.20um				
		sP	07	49.30		
		PcP	09	47.00		
MRWA	39.25	196	eP	07	37.50	0.3
FORR	39.37	179	eP	07	38.00	-0.1
COOL	39.82	188	eP	07	41.90	0.0
BAL	40.39	194	eP	07	47.00	0.4
KLB	41.11	192	eP	07	53.00	0.6
MUN	41.83	194	eP	07	59.20	0.9
NWAO	42.50	192	eP	08	05.00	1.1
STK	42.68	162	iPc	08	05.00	-0.3
	0.5s	12.60nm				4.9mb
		e	08	15.50		36km
		e	09	57.60		
GUN	43.33	302	P	08	10.52	-0.7
	0.9s	114.00nm				5.6mb</

HYB	48.04	286	eP	08 48.50	0.1	OIZ	19.63	303	eP	51 45.00	-1.4	MFF	19.77	74	eP	04 08.10	-0.8
WMO	48.98	322	P	08 55.70	0.3				eS	55 25.00			1.4s		69.70nm		4.8mb
	1.0s	20.00nm		5.1mb		SSE	22.89	347	Pc	52 19.50	0.4	ECOG	19.93	102	iPd	04 11.20	0.4
	pP	09 06.20	36km				1.0s	27.00nm		4.6mb		AFC	19.95	102	iPc	04 10.99	-0.1
GBA	48.98	280	Pd	08 54.00	-1.6	NJ2	24.40	343	Pc	52 35.50	1.7	EGRA	20.40	86	eP	04 20.16	4.6X
	0.6s	5.90nm		4.8mb			1.1s	100.00nm		5.2mb		EPF	20.66	84	eP	04 17.70	-0.6
DZM	49.18	129	iPd	08 57.10	-0.1	KGM	24.65	256	ePd	52 38.80	2.4		2.0s	233.25nm		5.2mb	
YAK	53.21	1	eP	09 27.00	0.1	WHN	24.74	333	eP	52 39.00	2.0	ECHE	20.78	94	eP	04 21.56	2.0
MAIO	66.92	306	eP	11 02.00	0.5	IPM	26.28	263	ePc	52 59.00	7.4X	LPO	20.92	79	eP	04 19.80	-1.2
FBA	80.03	26	P	12 17.50	0.2		1.0s	40.90nm		4.9mb			1.1s	63.50nm		4.9mb	
QBN	83.24	325	eP	12 35.00	0.7	CHTO	29.11	293	P	53 16.50	-0.7	IFR	20.93	113	iPd	04 21.00	-0.3
	e	14 13.00	434kmX			WB2	29.41	166	eP	53 18.90	-1.0	LSF	20.95	74	iPc	04 21.00	-0.3
INK	85.37	22	ePd	12 45.30	0.6		0.6s	3.40nm		4.2mb		ENIJ	21.03	102	eP	04 22.51	0.4
	pP	12 56.00	34km			XAN	30.22	329	P	53 25.00	-2.0	TIO	21.29	122	iP	04 24.40	-0.5
SOD	86.04	338	iP	12 48.80	0.7	OIS	31.62	157	eP	53 37.00	-2.4		i	05 02.00			
MBC	87.00	13	eP	12 53.50	0.8	TIY	31.73	337	Pc	53 40.60	0.4	EROO	21.33	90	eP	04 27.26	2.1
	6.9s	25.00nm		5.4mb			1.0s	40.00nm		5.2mb		EBR	21.39	90	eP	04 25.00	-0.7
	pP	13 04.50	35km			BJI	32.63	344	eP	53 47.50	-0.4	TCF	21.42	74	iPc	04 25.80	-0.2
NUR	88.57	331	iP	13 01.00	0.6		1.0s	13.00nm		4.7mb		CAF	21.50	78	eP	04 25.70	-1.2
NB2	94.52	334	P	13 28.00	-0.1	ASPA	32.92	169	eP	53 51.30	0.7		1.4s	61.00nm		4.8mb	
	0.8s	5.20nm		5.0mb			0.8s	6.50nm		4.5mb		MAF	21.67	74	iPc	04 28.30	-0.3
YKA	94.78	24	eP	13 28.60	-0.6	SNY	33.06	355	iPc	53 52.00	0.3	BGF	21.83	73	iPc	04 29.80	-0.3
	0.8s	2.60nm		4.7mb		LZH	34.49	326	eP	54 03.50	-0.8	AVF	22.15	73	eP	04 33.20	-0.1
BRG	97.49	324	eP	13 43.30	1.6		1.0s	18.00nm		5.0mb			1.0s	58.00nm		5.0mb	
	1.0s	12.00nm		5.4mb		HHC	34.81	339	eP	54 07.40	0.5	SSF	22.23	72	iPc	04 34.20	0.0
CLL	97.86	325	iP	13 44.10	0.7		1.3s	90.00nm		5.5mb		LOR	22.46	71	iPc	04 36.40	0.0
PCH	150.34	149	iPKP	20 02.00	7.5X	BTO	35.16	337	P	54 10.00	0.1		0.8s	52.45nm		5.1mb	
PEL	150.63	148	iPKPc	20 02.20	7.3X	MDJ	35.76	3	eP	54 14.20	-0.6	Z	20s	0.93um		4.2Msz	
	0.7s	34.25nm				SHL	37.44	301	eP	54 28.50	-0.9	SMF	22.50	73	eP	04 36.80	0.0
CNCB	163.18	120	PKP	20 14.00	2.6X	GTA	39.09	326	eP	54 43.40	0.4		0.9s	22.95nm		4.7mb	
ZOBO	163.29	118	PKP	20 14.00	2.5X		1.0s	10.00nm		4.7mb		LBF	22.56	72	eP	04 37.40	-0.1
SIV	169.18	133	PKP	20 17.00	1.5	Z	18s	0.40um		4.3Msz			1.4s	65.35nm		4.9mb	
	S.D. = 1.1	on	64	of	73	obs.						ETER	22.64	84	eP	04 39.47	1.3
												ENN	23.75	62	eP	04 49.00	0.1
													2.0s	400.00nm		5.6mb	
												VITF	23.82	69	P	04 47.34	-2.2
												GRN	24.02	76	P	04 53.19	1.5
												HAU	24.08	69	eP	04 52.70	0.5
													0.8s	29.55nm		4.9mb	
												Z	20s	0.63um		4.1Msz	
												CDR	24.35	80	eP	04 54.10	-0.8
												WTS	24.37	59	eP	04 55.00	0.1
												BSF	24.39	69	P	04 53.22	-2.1
												LOMF	24.46	71	P	04 55.61	-0.4
												ECH	24.60	68	P	04 56.14	-1.2
												MOF	24.62	69	P	04 55.73	-1.8
												LPL	24.65	75	eP	04 59.00	1.0
												CDF	24.67	68	P	04 57.29	-0.7
												BNI	24.70	76	P	04 59.80	1.4
												WLS	24.72	68	P	04 56.14	-2.3
												LRG	24.83	80	eP	05 00.70	1.3
												Z	21s	0.63um		4.1Msz	
												BBS	24.91	70	P	04 59.53	-0.7
												SURF	24.91	77	P	05 01.74	1.3
												LMR	24.96	80	eP	05 01.40	0.7
												FRF	25.00	80	eP	05 01.90	0.8
													1.2s	29.75nm		4.9mb	
												FEL	25.20	69	P	05 03.14	0.0
												DOI	25.21	77	P	05 04.90	1.7
												SBF	25.48	79	eP	05 06.20	0.4
													1.2s	41.65nm		5.0mb	
												BOB	26.68	76	P	05 18.50	1.6
												SCH	26.74	307	eP	05 17.00	-0.2
												PGF	26.93	81	eP	05 19.20	0.0
													1.1s	34.20nm		5.0mb	
												GRF	27.17	65	eP	05 22.70	1.5
												Z	21s	0.40um		4.0Msz	
												MOX	27.37	63	e(P)	05 24.00	1.0
													1.8s	35.00nm		4.8mb	
												Z	18s	0.60um		4.2Msz	
												N	15s	0.50um			
												MME	27.69	77	P	05 27.20	1.0
												WTTA	27.72	70	iPc	05 26.30	-0.1
													0.8s	10.30nm		4.6mb	
													i	05 31.90			
												CTI	27.94	72	P	05 28.50	0.2
												CLL	28.22	61	eP	05 29.00	-1.6
													2.1s	55.00nm		5.0mb	
												SFI	28.56	77	P	05 34.30	0.5
												KHC	28.75	66	P	05 35.50	0.0
													e	05 39.50			
												BRG	28.83	62	eP	05 36.00	-0.2
													2.0s	60.00nm		5.0mb	
													e	06 09.20			
												PRU	29.28	64	eP	05 40.00	-0.3
												Z	14s	0.60um		4.4MszX	
												VOY	29.47	72	eP	05 42.70	0.6
						</											

FRB	29.82	325	eP	05 45.00	0.1	BIM	1.17	208	eP	17 21.06	0.0	BNI	0.96	346	P	37 45.00	0.3			
VBY	30.52	72	eP	05 45.00	-6.3X				S	17 35.80					eSg	37 59.00				
ZST	31.20	67	eP	05 59.00	1.7	S.D. = 0.0 on 5 of 5 obs.						RSP	1.05	10	P	37 46.05	-0.2			
MGR	32.39	82	P	06 07.70	-0.1										S	38 00.66				
KRA	32.73	63	eP	06 12.00	1.4	? JUN 12, 1991 08h 37m 39.96± 3.47s						PCP	1.19	69	P	37 49.25	0.6			
SPC	33.07	64	e(P)	06 13.30	-0.5	35.578 S ±13.1km 176.986 W ±41.1km									S	38 04.38				
PSZ	33.09	67	eP	06 14.10	0.2	DEPTH = 33.0km (normal)						LPG	1.39	353	Pg	37 52.80	0.8			
GZR	35.65	70	ePd	06 36.00	0.1	5.1mb (3 obs.)									Sg	38 10.60				
OHR	35.72	78	eP	06 37.20	0.6	EAST OF NORTH ISLAND, N.Z.						PGF	2.15	136	Pn	38 02.20	-0.7			
SKO	35.85	76	eP	06 37.00	-0.6	(688)									Sn	38 27.50				
VAY	36.88	77	eP	06 46.40	0.2							S.D. = 0.4 on 17 of 17 obs.								
CMP	37.21	69	ePc	06 50.00	1.0	HBZ	4.29	241	P	38 45.90	1.3									
TIC	42.73	145	P	07 40.10	5.2X	PUZ	4.56	235	P	38 50.60	2.2									
FFC	46.82	310	eP	08 08.00	0.7				S	39 34.10										
	1.2s	26.00nm			5.2mb	NOZ	5.00	231	P	38 58.40	3.7X									
MBC	47.65	341	eP	08 14.50	0.9	WHH	6.16	236	P	39 12.30	1.2									
	1.2s	18.00nm			5.0mb	TTH	6.31	229	P	39 16.40	3.3X									
YKA	50.31	323	eP	08 33.20	-1.1	WLZ	6.38	247	P	39 11.90	-2.2									
	1.3s	4.30nm			4.2mb	HITZ	6.58	240	P	39 16.90	0.0									
TUL	51.01	285	ePc	08 38.70	-1.2	RATZ	6.65	238	P	39 18.00	0.1									
	1.2s	15.00nm			4.8mb	KETZ	6.84	237	P	39 20.90	0.3									
RSSD	52.39	298	P	08 53.30	2.7X	CNZ	6.96	236	eP	39 21.80	-0.5									
MEO	53.54	285	iPd	08 58.40	-0.5	MNG	7.78	227	eP	39 32.90	-0.8									
SES	53.62	308	eP	08 58.00	-1.4				eS	40 50.70										
INK	54.76	334	eP	09 06.50	-0.9	BLW	8.27	223	eP	39 41.40	0.9									
GOL	55.48	294	P	09 12.90	-0.5	KIW	8.27	228	eP	39 40.10	-0.5									
BW06	56.54	299	P	09 19.10	-1.9	WDW	8.48	226	eP	39 43.60	0.2									
	1.5s	16.21nm			4.8mb	WEL	8.62	226	eP	39 45.00	-0.3									
LRM	56.71	304	eP	09 21.90	-0.3				S	41 11.00										
NEW	58.13	308	P	09 31.80	-0.1	TCW	8.87	228	eP	39 47.50	-1.3									
ALO	58.82	290	eP	09 37.10	0.0	THZ	10.03	229	eP	40 01.90	-2.9X									
	1.1s	11.39nm			4.9mb	LTZ	11.01	226	eP	40 16.20	-2.0									
Z	1.8s	0.65um			4.8msz	DZM	19.76	309	iPc	42 07.90	-2.2									
DAU	58.89	298	P	09 37.90	0.2	BRS	26.97	279	eP	43 21.00	0.5									
PNT	58.94	310	eP	09 37.00	-0.5	RMQ	30.60	278	iPd	43 54.50	1.4									
DUG	60.00	298	P	09 45.00	-0.1	ASPA	43.91	272	iPc	45 46.40	1.0									
GMW	61.69	310	P	09 55.90	-0.4				0.5s	13.40nm	5.0mb									
IMA	62.16	338	P	09 59.20	-0.2	WB2	45.34	277	iPd	45 57.50	0.6									
	1.8s	26.04nm			5.1mb				0.5s	24.40nm	5.4mb									
BAO	62.41	202	e(P)	09 57.00	-4.4X				i	46 11.50										
KVN	63.98	300	P	10 11.90	0.1	WRA	45.35	277	P	45 57.00	0.1									
TNP	64.01	299	P	10 12.00	-0.1				0.6s	12.50nm	5.0mb									
	1.1s	20.56nm			5.2mb	S.D. = 1.3 on 21 of 24 obs.														
MAIO	64.28	64	eP	10 14.00	0.3	? JUN 12, 1991 09h 55m 02.93± 4.73s														
BONR	64.76	299	P	10 17.50	0.4	40.539 N ±23.9km 26.146 E ±36.6km														
LBFM	64.89	304	P	10 18.10	0.4	DEPTH = 10.0km (geophysicist)														
MIN	65.33	303	ePd	10 19.90	-0.6	TURKEY (366)														
GSC	65.44	296	eP	10 22.00	0.8	MD 3.1 (ISK).														
GLA	65.53	293	eP	10 22.00	0.3															
CLC	65.63	297	eP	10 23.00	0.6	EZN	0.73	169	ePg	55 17.10	-0.1									
TPC	65.68	295	eP	10 23.00	0.3				eSg	55 28.10										
ORV	65.76	302	e(P)	10 22.50	-0.6	KGT	0.89	95	iPg	55 19.60	-0.3									
CMB	66.01	300	ePd	10 25.00	0.2				eSg	55 32.20										
FRI	66.24	299	ePd	10 26.10	0.0	BNT	1.37	97	ePn	55 28.60	0.6									
ISA	66.28	297	eP	10 27.00	0.4	CTT	1.84	70	iPn	55 34.60	-0.2									
SBB	66.47	296	eP	10 28.00	0.2	S.D. = 0.7 on 4 of 4 obs.														
PLM	66.68	294	eP	10 29.00	-0.3															
MWC	66.91	296	eP	10 37.00	6.2X	JUN 12, 1991 10h 37m 26.42± 0.35s														
BAR	66.98	294	eP	10 31.00	0.0	44.123 N ± 2.5km 6.993 E ± 3.5km														
SIV	67.15	214	P	10 31.40	-0.7	DEPTH = 10.0km (geophysicist)														
MHC	67.22	300	eP	10 33.70	1.1	FRANCE (538)														
ABL	67.27	297	P	10 34.00	0.9	ML 2.5 (LDG).														
PRI	67.37	299	ePd	10 35.80	2.2															
PRS	67.69	299	e(P)	10 37.60	2.2	STV	0.27	63	P	37 31.92	-0.2									
SYP	67.96	297	eP	10 36.00	-1.3				S	37 35.54										
ZOBO	70.48	221	iPc	10 53.10	-0.3	PZZ	0.39	11	P	37 34.38	-0.1									
	1.2s	7.77nm			4.7mb				S	37 39.92										
CCH	70.55	218	P	10 54.20	0.8	SBF	0.41	129	Pg	37 35.50	0.6									
CNCB	70.89	220	P	10 55.50	-0.3				Sg	37 41.00										
YAK	72.46	11	eP	11 03.30	-0.6	DOI	0.42	25	P	37 35.30	0.2									
WRA	151.62	36	PKP	19 36.00	10.4X				eSg	37 41.10										
	1.2s	1.20nm				FRF	0.62	204	Pg	37 38.60	-0.2									
S.D. = 1.0 on 123 of 132 obs.									Sg	37 47.00										
						ROB	0.65	74	P	37 39.40	-0.1									
? JUN 12, 1991 08h 17m 00.90± 3.23s									S	37 47.46										
15.560 N ± 9.8km 60.504 W ± 39.0km						IMI	0.68	108	P	37 39.64	-0.3									
DEPTH = 33.0km (normal)									S	37 48.36										
LEEWARD ISLANDS (92)						BHB	0.74	15	P	37 40.53	-0.5									
ML 2.6 (FDF).									S	37 49.77										
MGG	0.86	295	eP	17 16.60	0.0	LRG	0.81	215	Pg	37 42.20	0.1									
DEG	0.92	325	eP	17 17.50	0.0				Sg	37 53.20										
			S	17 29.50		RRL	0.81	349	P	37 41.76	-0.5									
FDF	1.03	217	eP	17 19.09	0.0				S	37 52.94										
	0.1s	0.75nm				LMR	0.86	204	Pg	37 43.20	0.2									
			S	17 31.90					Sg	37 54.00										
MVM	1.07	201	eP	17 19.65	0.0	FIN	0.88	84	P	37 43.30	0.0									
			S	17 19.65					S	37 55.40										

PVY 0.63 104 iSg 21 46.31
iPgd 21 36.48 0.0
iSg 21 46.25
S.D. = 0.5 on 7 of 7 obs.

% JUN 12, 1991 12h 28m 02.20±0.71s
45.947 N ± 5.7km 2.895 E ± 6.4km
DEPTH = 10.0km (geophysicist)

FRANCE (538)
ML 2.0 (LDG).

MAF 0.36 320 Pg 28 09.90 0.3
Sg 28 15.20
TCF 0.59 306 Pg 28 14.00 -0.1
Sg 28 22.00
BGF 0.61 357 Pg 28 14.00 -0.5
Sg 28 22.80
AVF 0.90 20 Pg 28 19.40 -0.1
Sg 28 31.50
SMF 0.96 43 Pg 28 20.40 0.0
Sg 28 33.20
RJF 1.16 237 Pg 28 24.10 0.2
Sg 28 39.00
CAF 1.18 210 Pg 28 24.00 -0.2
Sg 28 39.20
LBF 1.28 35 Pg 28 26.40 0.4
Sg 28 43.20
S.D. = 0.4 on 8 of 8 obs.

% JUN 12, 1991 13h 25m 36.45±1.17s
39.148 N ± 6.7km 27.218 E ± 15.9km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.6 (ISK).

IZM 0.75 177 ePg 25 51.10 -0.1
eSg 26 02.10
DST 1.18 67 ePn 25 58.90 0.3
EDC 1.30 22 ePn 26 00.00 -0.4
KGT 1.30 3 iPn 26 01.10 0.5
BNT 1.32 24 ePn 26 00.50 -0.4
S.D. = 0.6 on 5 of 5 obs.

% JUN 12, 1991 13h 31m 46.87±1.44s
44.621 N ± 8.3km 6.939 E ± 15.8km
DEPTH = 10.0km (geophysicist)

FRANCE (538)

PZZ 0.16 135 P 31 52.16 1.4
S 31 55.75
RRL 0.32 340 P 31 53.60 0.0
S 31 58.11
BHB 0.32 46 P 31 53.39 -0.1
S 31 57.80
STV 0.47 144 P 31 55.55 -0.8
S 32 01.90
ENR 0.52 139 P 31 56.98 -0.5
S 32 03.55
S.D. = 1.2 on 5 of 5 obs.

% JUN 12, 1991 14h 03m 23.48±2.15s
44.407 N ± 6.7km 7.525 E ± 25.6km
DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)
ML 2.3 (LDG).

SBF 0.55 187 Pg 03 34.60 0.0
Sg 03 40.40
FRF 1.06 217 Pg 03 43.80 0.4
Sg 03 56.60
LPG 1.22 334 Pg 03 46.40 0.0
LRG 1.27 222 Pg 03 47.00 -0.1
Sg 04 02.40
LMR 1.30 215 Pg 03 47.20 -0.3
Sg 04 04.00
S.D. = 0.4 on 5 of 5 obs.

? JUN 12, 1991 14h 45m 30.74±0.81s
2.504 S ± 11.2km 76.837 W ± 14.9km
DEPTH = 33.0km (normal)

PERU-ECUADOR BORDER REGION (110)

CAYA 2.81 336 P 46 13.60 -1.2
QUR 2.87 324 eP 46 21.00 5.4X
GGP 2.91 323 ePd 46 16.60 0.3
YANA 2.94 324 P 46 17.70 1.0
COTA 3.19 332 P+ 46 19.90 -0.4

SDV 12.89 29 eP 47 07.40
CNCB 16.67 149 eP 49 24.00 -0.2
i 54 30.00
SIV 20.51 132 eP 50 09.00 0.1
S.D. = 0.9 on 7 of 8 obs.

JUN 12, 1991 14h 50m 20.13±1.05s
7.689 N ± 4.0km 126.590 E ± 7.0km
DEPTH = 84.2 ± 10.1 km
5.1mb (17 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

DAV 1.17 239 iPd 50 41.50 -0.3
MNI 6.45 196 eP 51 56.00 1.7
OCP 8.77 322 eP 52 55.00 28.7X
BAG 10.47 326 eP 52 50.00 0.5
OIZ 19.79 306 P 54 44.90 -1.5
0.9s 100.00nm 5.1mb
MTN 20.89 167 eP 54 56.00 -1.7
0.4s 67.00nm 5.3mb
KNA 23.39 175 eP 55 22.00 -0.2
KGM 23.85 258 ePc 55 29.50 2.7
IPM 25.60 265 ePc 55 49.40 6.0X
NNT 26.87 283 eP 55 58.60 3.6X
NST 27.07 289 eP 56 01.00 4.2X
CHG 29.04 295 eP 56 15.30 0.6
CHTQ 29.04 295 P 56 14.80 0.1
MAT 30.61 19 iPc 56 26.70 -1.7
0.8s 12.69nm 4.7mb
OIS 30.85 156 iPc 56 29.00 -1.6
0.7s 51.00nm 5.4mb
XAN 30.88 331 P 56 28.40 -2.4
CD2 31.45 320 eP 56 36.20 0.3
ASPA 31.97 167 iPd 56 38.80 -1.6
0.5s 13.20nm 5.0mb

TIY 32.53 339 eP 56 43.20 -2.0
Z 16s 0.48um 4.3MsZ
YAMJ 32.69 20 P 56 46.60 0.1
BJI 33.53 345 eP 56 52.50 -1.3
WARB 33.67 180 iPc 56 55.30 0.2
0.3s 9.00nm 5.1mb
OFUJ 34.07 21 eP 56 59.20 0.8
SNY 34.10 356 eP 56 58.40 -0.2
AOMJ 34.97 18 eP 57 09.40 3.3X
CN2 35.98 359 eP 57 13.50 -1.1
MDJ 36.88 4 eP 57 22.00 -0.1
0.8s 10.00nm 4.8mb

MRRJ 36.88 18 eP 57 23.80 1.7
SHL 37.54 302 eP 57 28.00 -0.1
HOOJ 37.57 20 eP 57 29.50 1.6
MRWA 38.09 195 eP 57 32.00 -0.4
FORR 38.35 178 eP 57 33.50 -1.0
0.3s 16.00nm 5.4mb

KUSJ 38.70 21 eP 57 38.80 1.4
ASAJ 38.90 18 eP 57 40.50 1.4
BAL 39.24 194 eP 57 41.50 -0.5
KLB 39.96 192 eP 57 48.10 0.1
0.4s 15.00nm 5.2mb

MUN 40.67 194 eP 57 53.50 -0.3
NWAQ 41.36 192 eP 58 00.00 0.6
0.7s 29.00nm 5.2mb

STK 41.88 161 iPc 58 03.10 -0.6
0.5s 10.30nm 4.9mb

RKG 42.99 192 iPd 58 13.20
BRS 43.11 145 iPc 58 14.00 1.2
i 58 24.00

GUN 43.38 303 P 58 16.72 0.2
PKI 43.66 302 P 58 18.42 -0.4
KKN 43.84 302 P 58 20.14 0.0
DMN 43.93 302 P 58 19.84 -1.0
ADE 43.94 166 eP 58 20.80 0.3
0.6s 48.00nm 5.5mb

GKN 44.45 302 P 58 24.74 -0.2
COO 45.13 149 eP 58 30.00 -0.1
BWA 46.70 155 eP 58 43.50 1.0
BFD 47.06 163 eP 58 45.00 -0.2
CAN 47.72 155 eP 58 51.10 0.7
HYB 47.76 286 eP 58 51.50 0.5

GBA 48.60 281 Pd 58 58.00 0.6
0.8s 8.10nm 4.7mb

WMQ 49.45 323 P 59 04.30 0.5
Z 24s 0.40um 4.3MsZ

YAK 54.27 2 iPc 59 38.80 -0.6
QUE 59.98 300 eP 00 20.20 -0.4
MAIO 67.05 306 eP 01 07.00 0.2

INK 86.55 22 eP 02 55.00 0.2
KAF 88.04 332 eP 03 01.40 -0.6
MBC 88.14 13 eP 03 03.00 0.7
0.9s 8.00nm 4.8mb
NUR 89.19 331 eP 03 06.30 -1.2
NB2 95.20 334 P 03 31.50 -3.8X
0.8s 1.90nm 4.6mb

YKA 95.97 24 eP 03 39.20 0.4
0.7s 4.00nm 5.1mb

EKA 104.66 333 Pd 04 19.00 1.2
1.4s 19.90nm 5.9mb

ZOBO 163.28 122 PKP 10 18.00 2.7
S.D. = 1.1 on 59 of 65 obs.

% JUN 12, 1991 15h 21m 54.04±0.89s
42.109 N ± 6.8km 19.364 E ± 8.5km
DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)
ML 1.7 (TTG).

ULC 0.17 210 iPg 21 57.94 0.0
iSg 22 01.57

TTG 0.33 347 iPg 22 01.20 0.3
iSg 22 07.74

PVY 0.66 43 iPg 22 07.39 0.1
iSg 22 18.12

HCY 0.73 298 iPg 22 08.17 -0.1
iSg 22 20.10

IVA 0.86 27 iPg 22 10.54 -0.1
iSg 22 23.27

PLE 1.22 1 iPg 22 16.59 -0.2
S.D. = 0.3 on 6 of 6 obs.

% JUN 12, 1991 16h 35m 59.08±2.41s
39.562 N ± 7.0km 26.205 E ± 23.8km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.6 (ISK).

EZN 0.28 19 iPg 36 04.60 -0.3
iSg 36 09.60

KGT 1.23 43 iPn 36 21.50 -0.4
iSg 36 25.00

IZM 1.42 144 ePn 36 25.00 0.0
MFT 1.48 34 ePn 36 26.00 0.2

EDC 1.50 58 iPn 36 26.50 0.5
BNT 1.54 58 iPn 36 27.00 0.4

DST 1.87 88 ePn 36 31.00 -0.5
CTT 2.32 46 ePn 36 38.00 0.0

S.D. = 0.4 on 8 of 8 obs.

? JUN 12, 1991 17h 14m 01.56±10.33s
39.571 N ± 53.3km 26.277 E ± 58.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.2 (ISK).

EZN 0.26 8 iPg 14 07.10 0.1
iSg 14 12.60

KGT 1.18 42 iPn 14 23.50 -0.1
MFT 1.44 32 ePn 14 27.50 -0.2

BNT 1.49 58 ePn 14 28.50 0.2
S.D. = 0.3 on 4 of 4 obs.

JUN 12, 1991 18h 06m 19.93±0.47s
47.218 N ± 8.4km 154.041 E ± 7.7km
DEPTH = 33.0km (normal)

5.1mb (15 obs.)

KURIL ISLANDS (221)

KUSJ 7.77 241 eP 08 11.10 -2.4
eS 09 33.10

ASAJ 8.56 253 eP 08 27.10 2.6X
HOOJ 9.04 242 eP 08 29.80 -1.3

eS 10 05.60
MRRJ 10.38 247 eP 08 49.30 -0.2

OFUJ 12.15 232 eP 09 09.70 -3.8X
eS 11 14.80

YAMJ 13.69 234 eP 09 30.40 -3.5X
MAT 15.87 233 eP 10 02.00 -0.4

0.8s 22.39nm 4.4mb

MDJ 17.19 270 eP 10 23.00 4.0X
YAK 20.26 326 eP 10 52.70 -2.1

e 14 37.00

CN2 20.28 271 eP 10 54.80 -0.5
SNY 22.29 267 eP 11 16.70 1.1

TIY 31.80 268 eP 12 45.00 1.5

XAN 36.19 265 P 13 21.00 -0.3

	E	12s	2.60um			
			S	20	16.50	
SMY	22.79	53	ePc	16	30.50	1.9

HHC	1.2s	959.60nm	6.0mb	QIZ	36.85	240 eP	18 35.60	1.3	TRT	0.5s	195.00nm	6.4mb		
	23.68	276 eP	16 37.20	-0.4	1.0s	50.00nm	5.4mb	57.50	217 ePc	21 12.10	-2.9			
	1.0s	140.00nm	5.3mb	N 19s	2.50um			1.2s	222.00nm	6.0mb				
	Z 10s	2.50um	5.0MsZx	E 17s	2.30um			YKA	58.13	32 eP	21 17.60	-1.3		
TIY		S	20 37.00			PP	20 05.00							
	24.04	268 eP	16 41.20	0.2		S	24 05.50		KEV	0.8s	73.00nm	5.8mb		
	6.0s	700.00nm	5.3mb X			sS	24 57.00		58.61	339 iPc	21 20.78	-1.4		
		sP	17 20.00		KMI	37.58	255 iPd	18 41.70	1.0	0.8s	554.50nm	6.7mb		
BTO		S	20 53.00		1.5s	460.00nm	6.1mb			e	21 21.69			
	24.88	276 iPc	16 50.00	1.0	Z 14s	1.20um	4.8MsZx			ePpc	21 47.18	108kmX		
	5.0s	1400.00nm	5.7mb X			iS	24 21.02			iS	29 14.31			
	E 10s	1.10um				esS	25 02.40			eScS	30 58.60			
WHN		iS	21 07.00			i	27 38.01		HYB	59.94	266 eP	21 31.30	-0.8	
		SS	22 06.00			iScS	28 39.67		KTk1	60.11	339 iPc	21 30.38	-2.1	
	26.13	252 iPd	17 01.30	0.9	SDN	37.85	51 eP	18 40.80	-1.5	DAG	60.18	355 iPd	21 31.80	-1.1
	1.4s	300.00nm	5.6mb	DAV	38.85	209 eP	18 50.10	-1.0		0.3s	253.25nm	6.8mb X		
QZH	Z 14s	1.20um	4.6MsZx	WMO	39.85	291 iPc	18 59.90	0.7	SOD	60.26	337 iP	21 32.20	-1.3	
	E 11s	1.50um			1.0s	300.00nm	6.1mb		QUE	60.74	285 iPc	21 36.00	-1.6	
		S	21 20.00		Z 12s	2.90um	5.3MsZx			ePP	23 55.80			
		iScS	27 44.00		N 11s	2.40um				eS	29 43.20			
IRK	27.03	237 iPd	17 10.00	1.4		pP	19 28.00	124kmX	TRO	60.77	341 iP	21 35.74	-1.2	
	1.0s	60.00nm	5.1mb			sP	19 41.00		PGC	61.37	49 eP	21 41.00	-0.3	
	Z 14s	1.60um	4.7MsZx			SP	20 36.00			0.7s	85.00nm	5.9mb		
	N 12s	1.10um				PcP	21 02.00		MCW	61.69	49 P	21 43.20	-0.4	
XAN		pP	17 35.50	118kmX		ScP	24 41.30		GMW	62.35	50 P	21 47.80	-0.1	
		S	21 40.00			S	24 55.10		MAIO	62.43	295 iPc	21 48.00	-0.7	
	27.70	304 iP+	17 14.00	-0.5		sS	25 44.00			i	24 07.00	758kmX		
		ePp	17 29.00	62kmX		ScS	28 54.90		POO	62.70	270 eP	21 49.50	-1.1	
ADK		e	17 45.00		TTA	39.93	38 ePc	19 00.40	0.8	BMW	62.70	51 P	21 50.00	-0.3
		e	21 24.50			1.0s	175.00nm	5.8mb	WBZ	62.96	189 iPc	21 50.20	-1.9	
		iS	21 50.00		SVV	40.12	41 iPc	19 02.00	0.9		e	22 18.80	117kmX	
		e	22 00.00			0.7s	424.42nm	6.4mb	WRA	62.97	189 P	21 50.00	-2.1	
LZH		e	22 13.00			epP	19 27.00	108kmX		1.0s	77.50nm	5.6mb		
		e	22 34.00		BRW	40.57	25 ePc	19 03.90	-0.7	PNT	63.09	47 iPc	21 52.50	-0.3
		ePcS	23 56.00		PDB	40.89	43 P	19 08.00	0.6		0.6s	141.00nm	6.1mb	
		eSSS	24 05.00		IMA	41.03	34 P	19 08.40	-0.3	OIS	63.12	184 iPd	21 51.40	-1.7
GZH		e	24 31.80		PMR	43.20	40 eP	19 24.80	-1.4		1.0s	86.00nm	5.6mb	
	28.18	263 P	17 19.00	-0.1	LSA	43.42	270 Pc	19 30.50	1.5	LOF	63.19	341 iPc	21 51.66	-1.4
	1.2s	100.00nm	5.3mb			S	25 49.50		GBA	63.22	264 Pd	21 54.20	0.2	
	N 10s	0.90um				sS	26 31.00			0.8s	13.50nm	4.9mb		
BAG	E 12s	1.50um				ScS	29 16.00		LON	63.35	50 P	21 54.00	-0.6	
		S	21 52.00		COL	43.50	35 iPc	19 29.01	0.4	SHW	63.43	51 P	21 55.30	0.1
	28.27	57 ePc	17 18.60	-1.0		iS	25 48.19		KAF	63.89	332 iP	21 56.40	-1.4	
	0.8s	131.03nm	5.6mb			esS	26 24.61		OBN	64.40	322 iPc+	22 00.00	-1.2	
GTA		epP	17 44.30	119kmX		iSS	29 14.70			1.7s	1300.00nm	6.6mb		
	31.01	271 iPc	17 45.26	1.0	FBA	43.50	35 iPc	19 29.40	0.7	Z 13s	1.60um	5.4MsZx		
	2.0s	280.00nm	5.6mb	KKM	43.74	221 ePc	19 32.80	1.6	N 11s	0.80um				
	Z 15s	1.07um	4.6MsZx	CHG	44.33	251 iPd	19 37.00	1.1		ePcP	22 21.00			
CD2	N 11s	1.48um			1.0s	37.50nm	5.1mb			epP	22 26.00	104kmX		
		pP	18 10.00	112kmX		eS	26 02.00			esP	22 37.00			
		sP	18 24.50		MNI	44.37	207 ePc	19 36.50	0.3	ePP	24 17.00			
		PcP	20 36.00		TSM	44.48	217 ePd	19 40.00	3.0X	eS	30 27.00			
GTA		iS	22 39.92		TOA	44.53	39 ePc	19 38.20	1.1	DPW	64.69	47 P	22 02.50	-0.8
		e	22 42.07		KLU	44.74	40 P	19 38.80	0.0	KOD	65.43	261 eP	22 08.80	0.1
		esS	23 23.12		SHL	45.18	265 iP	19 43.50	0.7	FHC	65.52	56 iPc	22 09.74	1.1
		ScP	24 10.50			iS	26 12.00			iP	22 37.92	114kmX		
GTA		PcS	24 22.00		BDT	45.36	250 eP	19 44.00	0.0	NUR	65.58	332 eP	22 07.40	-1.2
		ScS	28 05.00		NST	45.68	247 eP	19 48.90	2.4	NSS	66.43	339 iP	22 12.86	-1.1
	31.68	241 Pd	17 51.40	1.4	KHT	47.36	248 iPd	20 01.40	1.6	LBFM	66.47	55 P	22 15.00	0.1
	1.0s	90.00nm	5.5mb	NNT	48.16	245 eP	20 06.30	0.3	WDC	66.54	56 ePc	22 15.04	0.0	
BAG	N 14s	2.10um		AAI	48.25	200 eP	20 03.50	-3.1X		iPp	22 43.33	114kmX		
	E 16s	3.90um		GUN	48.27	272 P	20 07.12	-0.1	ASPA	66.69	189 iPd	22 15.70	-0.4	
		S	22 52.50			0.4s	67.00nm	5.8mb		1.1s	72.70nm	5.5mb		
	32.69	223 eP	17 58.00	-1.1	INK	48.63	29 iPc	20 08.70	-0.2		i	22 43.70	112kmX	
GTA	32.70	279 iPc	17 59.00	0.1		0.4s	184.00nm	6.3mb	SES	66.85	42 iPc	22 15.50	-1.5	
	1.4s	170.00nm	5.6mb			pP	20 34.00	107kmX		0.5s	73.00nm	5.8mb		
	Z 20s	1.20um	4.6MsZx	KKN	48.77	272 P	20 11.22	0.3	LTCM	67.01	56 P	22 18.00	-0.1	
		pP	18 23.60	110kmX		0.7s	50.00nm	5.5mb	MIN	67.25	56 ePc	22 19.40	-0.4	
CD2		sP	18 34.40		PKI	48.80	272 P	20 11.14	-0.2		ePcP	22 26.90		
		PP	19 11.00		DMN	49.00	272 P	20 12.96	0.2	ORV	67.79	56 ePc	22 22.54	-0.5
		S	23 04.00		GKN	49.13	272 P	20 13.18	-0.4		iPp	22 49.69	108kmX	
		sS	23 44.00			0.7s	52.00nm	5.6mb	DZM	67.97	157 iPc	22 25.30	1.1	
GTA		ScP	24 16.10		LAT	49.32	175 eP	20 15.60	0.8	RGS	68.05	339 eP	22 23.00	-1.2
		ScS	28 13.80		KSH	49.62	290 P	20 17.00	-0.2	FFC	68.10	35 iPc	22 24.30	-0.4
	33.52	262 iPd	18 06.20	0.1		S	27 17.00			0.8s	174.00nm	6.0mb		
	1.2s	200.00nm	5.8mb	MBC	50.60	18 iPc	20 23.00	-0.9	BRK	68.35	58 ePc	22 26.60	0.2	
GTA	Z 13s	1.20um	4.8MsZx		0.5s	110.00nm	6.1mb		BKS	68.36	58 eP	22 26.20	-0.4	
	E 10s	1.50um		SIT	51.14	44 ePc	20 29.90	1.6		1.2s	172.00nm	5.8mb		
		iScS	28 16.70		SNG	51.63	239 iPd	20 34.00	1.5	UPP	68.44	334 iPc	22 25.50	-1.1
	33.98	253 P	18 10.00	-0.1		1.2s	281.25nm	6.1mb		1.0s	500.00nm	6.3mb		
GTA	Z 13s	0.70um	4.6MsZx			e	27 48.00			iS	31 14.00			
	N 12s	1.00um		PMG	52.06	175 eP	20 35.00	-0.6	PCC	68.50	58 iPc	22 28.00	0.6	
	E 12s	1.30um			1.3s	150.00nm	5.8mb		IR7	68.61	299 iPc	22 28.50	0.2	
		sP	18 44.00		IPM	53.39	237 ePd	20 51.00	5.5X	IR4	68.70	299 iPc	22 29.50	0.6
ANM		S	23 23.00			1.3s	120.20nm	5.7mb	IR1	68.73	299 iPc	22 29.50	0.5	
		ScS	28 18.00		KBS	55.26	350 iPc	20 57.50	-0.9	GCC	69.03	59 iPc	22 30.44	-0.2
	35.98	35 ePc	18 27.20	0.7	MTN	56.48	194 iPd	21 07.00	-0.8	OLP	69.03	179 iPd	22 30.00	-0.5

12d 20h

LRM	69.06	47	iPc	22	31.00	-0.1	KAS	74.92	313	iPc	23	06.60	1.0	N	19s	0.80um			
			e	22	58.30	108kmX	CFR	75.10	319	eP	23	06.00	-0.4	E	15s	0.50um			
MHC	69.06	58	ePc	22	31.10	0.1	KRA	75.15	326	iPc	23	06.80	0.2			ipP	23 52.00 118kmX		
			epPc	22	38.75	25kmX										eS	33 05.00		
RMO	69.11	175	iPd	22	31.60	0.5	Z	17s	297.00nm			6.2mb		CTT	77.90	316	iP	23 22.00 -0.1	
	1.4s	438.00nm				6.1mb			0.80um			5.1mszX		CAN	77.91	175	eP	23 22.80 0.8	
ARN	69.12	58	P	22	31.20	-0.1			i	23	09.00	7kmX				e	24 03.60 166kmX		
MOL	69.17	340	iP	22	30.74	-0.3			i	23	58.10			PVL	77.93	319	iPc	23 22.00 -0.2	
CMB	69.41	57	iPc	22	32.84	-0.2			e	32	34.00			TIM	77.93	323	iPc	23 23.00 0.9	
			e	22	40.54	25kmX	BAR	75.17	59	eP	23	07.00	-0.1	VKA	78.03	327	iPc	23 23.20 0.5	
			iPP	23	01.15				e	23	35.00	109kmX			2.5s	429.00nm		5.8mb	
NB2	69.45	337	P	22	29.20	-3.7X	VRI	75.29	320	ePc	23	08.00	0.5			i	23 28.60 17kmX		
HFS	69.45	336	eP	22	31.50	-1.3	BRD	75.40	319	eP	23	10.00	1.9			i	25 57.00		
	0.4s	177.70nm				6.2mb	BMR	75.44	323	ePc	23	10.00	1.7			i	26 13.00		
Z	17s	0.43um				4.8mszX	CVO	75.59	320	iPc	23	10.00	0.8	HOF	78.05	331	eP	23 22.70 -0.1	
		LR	47	12.00			TLB	75.60	318	eP	23	09.50	0.3		1.0s	96.00nm		5.6mb	
SAO	69.54	59	eP	22	33.30	-0.5	SPC	75.69	325	iP	23	10.50	0.6	EKA	78.19	341	Pd	23 24.00 0.6	
TAB	69.83	303	eP	22	36.00	0.3			i	25	53.00				0.5s	38.30nm		5.5mb	
PRS	69.86	59	iPc	22	35.87	0.1	BRN	75.85	331	iPc	23	11.20	0.7	ESK	78.21	341	eP	23 24.00 0.5	
			ipP	23	03.55	110kmX	CEI	75.89	323	eP	23	13.00	2.2		0.4s	66.00nm		5.8mb	
NANU	69.90	207	eP	22	36.00	0.1	MRWA	75.94	204	eP	23	11.30	0.1	RYD	78.28	293	eP	23 25.00 0.5	
KVN	70.17	55	P	22	37.80	0.0			0.9s	123.00nm		5.7mb		WTS	78.36	334	iPc	23 24.60 0.2	
WARB	70.33	196	iPd	22	39.00	0.4	MLR	75.94	320	iPc	23	11.00	-0.4		0.7s	65.00nm		5.5mb	
BRS	70.37	171	i(PKP)	22	38.50	-0.3	KSP	75.98	329	iPc	23	11.00	-0.3			e	23 53.50 113kmX		
	1.0s	15.00nm				4.8mb		1.0s	167.00nm			5.8mb			e	26 03.00			
		i	23	11.00	132kmX				i	23	15.00	13kmX		KHC	78.40	329	iPc	23 25.00 0.3	
PRI	70.42	59	iPc	22	40.05	0.7	COOL	76.09	200	eP	23	11.60	-0.5		1.0s	89.00nm		5.5mb	
FRI	70.48	57	iPc	22	39.53	0.0	PSN	76.18	317	iP	23	13.00	0.5	Z	14s	1.00um		5.3mszX	
		ePcP	22	47.80			CMP	76.54	320	iPc	23	15.00	0.4	E	12s	0.50um			
		ipP	23	08.68	116kmX		EDR	76.60	342	ePc	23	14.30	-0.3			e	23 29.50 14kmX		
FRO	70.53	340	eP	22	38.45	-0.9			0.6s	36.00nm		5.4mb			e	23 53.00			
FOO	70.63	340	iP	22	40.37	0.5	BUC1	76.75	319	eP	23	14.00	-1.7	UZD	78.42	325	iP	23 25.00 0.2	
HYA	70.71	340	iPc	22	40.19	-0.2	PSZ	76.82	325	iP	23	16.20	0.1	MUN	78.46	203	eP	23 26.00 0.9	
FRB	70.84	14	eP	22	39.00	-2.2	CLL	76.83	331	iPc	23	15.50	-0.5	ALT	78.54	313	iP	23 26.00 0.2	
	0.7s	155.00nm				5.9mb		1.5s	270.00nm			5.8mb		WET	78.65	329	iPc	23 26.50 0.4	
AKU	70.90	352	iPc	22	42.70	1.2			i	23	19.30				1.3s	308.00nm		6.0mb	
	1.5s	544.44nm				6.2mb			iP	23	44.00	111kmX		DIM	78.70	318	iP	23 28.00 1.6	
		i	23	11.30	114kmX		BRG	76.84	330	iPc	23	15.80	-0.2	BNT	78.74	315	iP	23 27.00 0.3	
PTI	71.03	49	P	22	43.30	0.4		1.8s	190.00nm			5.6mb		MFT	78.76	316	iP	23 27.00 0.1	
SUE	71.16	340	iP	22	43.23	0.1			i	23	25.50		GRF	78.81	331	iPc	23 27.60 0.7		
TNP	71.32	55	iPc	22	44.70	-0.1			iP	23	43.60	108kmX			1.6s	591.00nm		6.1mb	
BCH	71.39	59	P	22	45.20	0.0			i	24	04.40		Z	24s	0.70um		4.9mszX		
ASK	71.55	340	iPc	22	45.53	0.1			i	25	51.60				e	23 32.30			
BER	71.60	339	iP	22	44.15	-1.6			i	26	00.60				e(pP)	23 56.60 113kmX			
EGD	71.72	339	iP	22	46.44	0.0			i	28	11.60				e(S)	33 17.00			
SYP	71.88	60	eP	22	49.00	0.9			e	32	54.00			GRFO	78.81	331	iPc	23 25.46 -1.5	
		e	23	19.00	120kmX				e	33	40.00			KGT	78.99	316	eP	23 28.00 -0.1	
ISA	72.10	58	iP+	22	48.00	-1.3	BWA	76.98	176	iPd	23	18.20	1.3	BHL	79.05	306	P	23 28.00 -0.6	
		e	23	16.00	110kmX		BAL	77.03	203	eP	23	17.30	0.1			PP	26 28.00		
ABL	72.15	59	P	22	49.80	0.0			0.6s	55.00nm		5.5mb		NWAO	79.06	202	eP	23 28.50 0.2	
DUG	72.54	51	P	22	52.00	0.1	GOL	77.04	48	iPd	23	17.80	0.1			S	33 17.00		
CLC	72.54	57	iP+	22	52.00	0.1		1.0s	41.25nm			5.2mb		KMR	79.06	328	iP+	23 29.20 0.9	
		e	23	20.00	110kmX			77.04	342	ePc	23	17.00	-0.1			iPP	26 14.60		
KMY	72.62	339	iP	22	52.13	0.3	EDU	77.06	322	ePc	23	18.50	1.1	PLD	79.07	318	iPc	23 29.00 0.6	
BW06	72.63	48	iPc	22	51.80	-0.7	DEV	77.06	322	ePc	23	18.50	1.1	TNS	79.33	332	ePc	23 29.50 -0.3	
MEKA	72.74	203	eP	22	52.00	-0.9	ELO	77.28	342	ePc	23	18.30	-0.1	RDO	79.37	317	eP	23 30.50 0.4	
REY	72.78	353	iP	22	53.60	1.0	PRU	77.33	329	iPc	23	19.10	0.3	KHL	79.38	313	iP	23 29.60 -0.7	
BSD	73.08	332	iPc	22	54.40	-0.1		1.6s	217.50nm			5.7mb		VTS	79.42	319	iPc	23 31.00 0.5	
	0.6s	250.00nm				6.2mb	Z	14s	0.90um			5.2mszX		SCH	79.43	17	ePc	23 29.30 -0.9	
		i	27	32.30					i	23	23.00	13kmX			0.5s	51.00nm		5.6mb	
SBB	73.13	58	iP+	22	56.00	0.6			e	23	47.50			HRI	79.44	306	iPc	23 31.40 0.6	
		e	23	24.00	110kmX		DRA	77.35	320	eP	23	19.00	0.1	BFD	79.59	181	eP	23 31.00 0.0	
PAS	73.26	59	eP	22	56.00	0.0	EYL	77.42	314	iP	23	20.00	0.4	CSS	79.67	308	eP	23 32.20 0.4	
		e	23	24.00	110kmX		EBH	77.43	342	ePc	23	19.20	0.0	ENN	79.71	334	iPc	23 31.60 -0.1	
DAU	73.28	50	P	22	56.60	0.2		0.5s	39.00nm			5.5mb			0.7s	82.00nm		5.7mb	
MWC	73.29	59	eP	22	56.00	-0.4	HRT	77.49	315	iP	23	19.50	-0.4			e	24 00.50 112kmX		
GSC	73.37	57	ePc	22	56.61	-0.1	ADE	77.50	184	iPd	23	20.00	0.3	ANMO	79.81	52	iPc	23 33.43 0.6	
COO	73.43	172	iPd	22	57.50	0.7		0.9s	141.18nm			5.8mb			epPc	24 01.73 110kmX			
	0.8s	27.00nm				5.1mb	ESY	77.52	341	ePc	23	19.50	-0.3	ALQ	79.81	52	eP	23 33.00 0.2	
COP	73.45	333	iPc	22	56.40	-0.3	BUD	77.53	325	eP	23	20.40	0.5		1.0s	49.00nm		5.3mb	
	0.9s	326.05nm				6.1mb	GBZT	77.64	315	iPc	23	21.00	0.4			e	23 41.40		
		iP	23	25.50	115kmX		ISK	77.64	315	eP	23	21.00	0.4	BHG	79.82	329	iPc	23 33.30 0.9	
RVR	73.87	59	eP	22	59.00	-0.5	EDI	77.65	341	ePc	23	20.20	-0.2		0.8s	127.00nm		5.8mb	
KVT	73.88	311	iP	22	59.80	0.3	KLB	77.65	202	eP	23	21.00	0.4	MMB	79.93	319	iPc	23 34.00 0.9	
IAS	73.93	320	eP	22	57.00	-2.6	EAB	77.68	342	eP	23	20.50	-0.1	TOO	80.01	178	iPd	23 35.00 1.7	
CMS	73.95	178	iPc	23	00.90	1.2		1.3s	286.00nm			5.9mb		KKB	80.03	319	iPd	23 34.00 0.4	
MSU	74.03	52	P	23	01.00	0.3	WIT	77.71	335	ePc	23	21.50	0.7	PTJ	80.07	326	iPc	23 33.50 -0.4	
STK	74.32	182	iPd	23	02.10	0.2			e	23	51.00	116kmX		ZAG	80.13	326	iPc	23 34.00 0.0	
	0.9s	18.70nm				4.9mb			e	26	01.00		KBA	80.17	328	iPc	23 34.80 0.3		
RSSD	74.60	44	P	23	03.00	-0.9									1.2s	157.00nm		5.7mb	
PLM	74.61	59	eP	23	04.00	-0.1	ZST	77.76	326	iP	23	22.20	1.0			i	23 40.40 18kmX		
		e	23	34.00	119kmX		JMB	77.87	317	iPc	23	22.00	0.1			i	26 14.30		
PPE	74.62	320	eP	23	21.50	17.9X	MOX	77.87	331	iPc+	23	22.00	0.2			i	26 28.00		

MDSJ	80.28	304	Pc	23	36.41	1.2	VITF	81.89	333	P	23	43.01	-0.2	SURF	84.82	330	P	23	58.57	0.1
PPCY	80.29	309	e(P)	23	35.20	0.1	BSF	81.95	332	iPc	23	43.50	-0.2	TCF	84.82	334	iPc	23	58.70	0.5
ELL	80.32	312	iP	23	34.50	-0.9	HAU	0.8s	37.60nm				5.3mb	STV	84.84	330	P	23	56.50	-1.9
SRS	80.36	318	ePc	23	35.46	0.1		81.95	332	iPc	23	43.70	0.1	CSI	84.86	322	P	23	58.30	-0.2
SALJ	80.36	305	Pc	23	36.54	0.9	Z	0.9s	44.20nm			5.3mb	ROI	84.90	322	P	23	57.70	-1.0	
DMU	80.36	343	iPc	23	55.00	19.9X		21s	0.47um			4.8Msz	MGR	84.90	323	P	23	58.20	-0.5	
	1.3s	308.00nm					PRNI	81.95	304	iPc	23	44.60	0.7	MMN	84.90	322	P	23	57.80	-0.9
CSTJ	80.38	304	Pc	23	36.42	0.7	TIR	81.96	321	iPc	23	44.00	0.3	IMI	84.91	329	P	23	58.24	-0.5
PRK	80.42	315	eP	23	36.10	0.4	BBS	82.01	331	P	23	43.61	-0.3	TUL	84.92	44	iPc	23	58.90	0.0
IZM	80.53	314	eP	23	35.00	-1.4	HVAR	82.05	324	iPc	23	43.40	-0.7		1.0s	180.30nm			5.9mb	
LJU	80.54	327	iPc	23	36.00	-0.2	LOMF	82.35	332	P	23	45.65	-0.1	Z	20s	0.33um			4.7Msz	
		e		26	28.50		SAL	82.48	329	P	23	46.40	0.1			e	24	28.80	115kmX	
PLE	80.62	322	iPc	23	37.57	0.7	AGG	82.58	318	ePc	23	45.94	-1.1	TDS	84.93	322	Pc	23	59.40	0.5
WATA	80.63	329	iPc	23	37.20	0.3	MDI	82.64	329	Pc	23	46.30	-0.8	SAOF	84.97	330	P	23	58.69	-0.3
	0.9s	120.00nm			5.7mb		HQL	82.68	303	ePc	23	49.00	1.4	AUTN	85.01	330	P	23	59.12	-0.4
		i		23	42.60	17kmX	ATH	82.69	316	eP	23	47.00	-0.5	COLF	85.01	333	P	23	59.82	0.6
KNT	80.66	319	ePc	23	37.30	0.3	TPE	82.72	320	eP	23	47.20	-0.5	TOUF	85.06	330	P	23	59.23	-0.5
RKG	80.66	202	eP	23	38.00	1.2	VAI	82.92	330	P	23	48.60	0.1	LSF	85.07	334	iPc	24	00.00	0.5
WTTA	80.67	329	iPc	23	37.40	0.3	IGT	83.16	319	ePc	23	49.94	0.0	SBF	85.12	330	iPc	23	59.40	-0.4
	0.5s	139.00nm			6.0mb		ARV	83.27	326	Pc	23	50.80	0.3	AURF	85.14	330	P	23	59.60	-0.4
		i		23	40.40	10kmX	KEK	83.28	320	eP	23	50.10	-0.4	MVIF	85.20	330	P	24	00.12	-0.2
		i		23	43.00		SFI	83.37	327	Pc	23	52.10	1.2	REVf	85.25	330	P	24	00.03	-0.4
		i		24	06.80		ORX	83.41	330	P	23	50.55	-0.7	MFF	85.28	336	iPc	24	01.00	0.5
		i		26	20.10		LOR	83.42	334	iPc	23	51.20	0.0		1.0s	140.00nm			5.9mb	
		i		26	35.00			0.9s	102.35nm			5.7mb								
GWF	80.68	332	P	23	36.80	-0.1	FLN	Z	21s	0.25um		4.6Msz	ABHA	85.28	290	ePc	24	05.00	3.8X	
VBV	80.68	326	iPc	23	36.80	-0.2		83.43	337	eP	23	51.00	-0.2	CZI	85.38	322	P	24	00.00	-1.1
		e(PP)		26	43.90			0.8s	44.35nm			5.4mb	TAU	85.39	177	iPc	24	02.60	1.9	
CIN	80.68	313	eP	23	38.00	0.9	PGD	Z	21s	0.38um		4.7Msz	LBL	85.41	333	P	24	02.16	0.9	
VAY	80.70	319	iPc	23	37.80	0.7	LDF	83.46	327	Pc	23	52.90	1.3	CALN	85.42	330	P	24	01.07	-0.3
	1.2s	265.00nm			5.9mb			83.48	337	eP	23	51.20	-0.2	CCM	85.49	40	iPc	24	02.10	0.4
		i		23	44.00	20kmX	BRT	0.7s	34.15nm			5.4mb			ePc	24	30.41	108kmX		
SOH	80.70	318	ePc	23	37.06	-0.2	CRE	83.56	322	P	23	51.60	-0.4			ePP	27	20.97		
SKO	80.74	320	iPc	23	38.20	0.9	MME	83.57	327	Pc	23	52.70	0.6			e	34	13.68		
	1.4s	353.00nm			6.0mb		BOB	83.60	328	P	23	53.30	0.9			iS	34	21.62		
		i		23	43.60	17kmX	LBF	83.60	329	Pc	23	52.70	0.5			i	35	10.62		
		i		24	08.60		LCI	83.63	333	iPc	23	52.10	-0.2	ELF	85.49	31	P	24	02.00	0.4
		i		26	44.00		GRC	83.65	321	P	23	52.60	0.2	GRI	85.57	321	P	24	02.50	0.4
		i		33	37.00		SSF	83.65	334	P	23	52.70	0.4		0.7s	77.80nm			5.8mb	
		i		34	12.00			83.72	334	iPc	23	52.60	0.0	PGF	85.65	328	P	24	02.04	-0.5
IVA	80.75	322	iPc	23	38.12	0.6	ASS	0.9s	62.25nm			5.5mb	FRF	85.67	330	iPc	24	02.20	-0.3	
OUR	80.76	318	ePd	23	37.61	0.2	BDI	83.74	326	P	23	51.00	-1.9		1.0s	104.00nm			5.8mb	
FVI	80.79	328	P	23	36.90	-0.5	NPS	83.75	328	P	23	52.60	-0.3	LDN	85.67	31	P	24	02.75	0.3
VOY	80.81	327	iPc	23	36.80	-0.9	LSO	83.75	313	eP	23	52.90	-0.1	DLA	85.68	31	P	24	03.40	0.9
CEY	80.83	326	iPc	23	37.40	-0.4	GRR	83.86	331	P	23	54.14	0.4	LRG	85.87	330	iPc	24	03.60	0.2
DSI	80.85	305	iPc	23	38.70	0.6		83.88	337	eP	23	53.50	0.1		0.9s	217.55nm			6.1mb	
SQTA	80.87	329	iPc	23	38.50	0.4	LPL	0.7s	66.15nm			5.7mb	Z	21s	0.35um			4.7Msz		
	0.8s	71.40nm			5.6mb	LPG	83.96	331	iPc	23	54.60	0.4	CDR	85.90	331	iPc	24	03.70	0.1	
		i		23	43.90	17kmX		83.97	331	iPc	23	54.60	0.3			e	24	33.20	113kmX	
		i		23	39.50	1.0	SMF	0.8s	83.95nm			5.7mb			e	27	20.00			
PVY	80.94	321	iPc	23	38.95	0.4	AVF	83.97	333	iPc	23	54.00	0.0	CDR	85.90	331	ePc	23	58.44	-5.2X
DCN	80.96	343	eP	23	39.00	0.7	AQU	84.01	334	iPc	23	54.30	0.2			i	24	04.93	20kmX	
THE	81.03	318	ePd	23	38.90	0.0	VLI	84.02	325	P	23	55.50	1.2	RJF	85.92	334	iPc	24	04.30	0.6
GRG	81.06	319	iPc	23	39.17	0.1	PII	84.05	316	eP	23	53.00	-1.5		1.4s	191.70nm			5.9mb	
TRI	81.12	327	ePc	23	38.40	-0.8	RSP	84.06	328	P	23	53.60	-0.8	Z	21s	0.25um			4.6Msz	
RIY	81.17	326	ePc	23	38.80	-0.7	GEN	84.08	330	P	23	53.43	-1.2	LMR	85.92	330	iPc	24	03.60	-0.1
NKY	81.21	322	iPc	23	39.67	-0.3	VLS	84.09	329	P	23	57.45	3.0X	FVM	85.93	40	iPc	24	03.80	-0.1
PAIG	81.22	317	iPc	23	39.70	-0.2	PCP	84.10	318	eP	23	54.60	-0.1	CAF	86.08	334	iPc	24	05.90	1.4
OGA	81.23	329	iPc	23	40.60	0.5	DUI	84.13	329	P	23	54.14	-0.7	LFF	86.49	334	iPc	24	07.40	0.9
	1.0s	134.00nm			5.7mb	KOT	84.14	324	P	23	55.30	0.3	LPO	86.58	334	iPc	24	07.80	0.9	
WLS	81.25	332	P	23	39.78	-0.2	BISH	84.16	306	eP	23	55.70	0.6	CLE	86.87	32	iP	24	09.10	0.7
CDF	81.28	332	P	23	39.78	-0.4	LPF	84.19	292	ePc	23	57.00	1.5	ELC	87.06	39	P	24	09.20	-0.1
ETA	81.32	342	eP	23	40.80	0.6		84.25	337	eP	23	55.50	0.2	OLY	87.42	42	P	24	10.80	-0.3
BRY	81.35	322	iPc	23	40.07	-0.6	MNS	1.0s	98.00nm			5.7mb	MEU	87.65	321	P	24	12.40	0.1	
LIBD	81.39	332	P	23	40.55	0.0	MEO	84.30	326	P	23	55.40	-0.3	MTHF	87.68	332	P	24	13.24	0.9
TTG	81.39	322	iPc	23	40.77	0.1	CKI	84.31	47	iPc	23	55.50	-0.4	PZI	87.72	321	P	24	13.10	0.5
PHP	81.43	321	iPc	23	41.00	0.1	BHB	84.33	329	Pc	23	55.40	-0.3	LSPF	87.88	333	P	24	14.23	1.0
VVI	81.43	328	Pc	23	40.60	-0.3	BGF	84.35	330	P	23	54.25	-1.6	PERF	87.96	332	P	24	14.00	0.4
FEL	81.48	331	P	23	40.89	-0.4	BNI	84.38	334	eP	23	56.00	0.0	LESF	88.02	333	P	24	15.03	1.1
ECH	81.49	332	P	23	40.71	-0.5	SDI	84.38	331	Pc	23	56.00	0.6	GRBF	88.10	333	P	24	15.12	0.7
SDA	81.61	321	iPc	23	41.00	-0.8	RRL	84.38	325	Pc	23	56.00	-0.1	ETER	88.13	332	iPc	24	14.45	0.0
LIT	81.67	318	iPc	23	42.10	-0.2	HLW	84.45	331	P	23	56.91	0.2	MLS	88.15	333	P	24	15.18	0.6
CTI	81.68	328	Pc	23	41.60	-0.7	FIN	84.50	306	eP	23	57.50	0.7	CGL	88.23	326	P	24	15.03	-0.1
ARG	81.68	312	eP	23	43.00	0.7	ORI	84.54	329	P	23	55.78	-1.1		0.7s	4.30nm			4.6mb X	
FNA	81.69	319	ePc	23	42.30	-0.1	ROB	84.56	322	P	23	58.10	1.1	TRGS	88.26	332	P	24	16.03	0.7
BDV	81.71	322	iPc	23	41.99	-0.4	PLDF	84.59	330	P	23	56.40	-0.7	EPF	88.33	334	iPc	24	15.70	0.3

12d 20h

ECRI	89.61	336	iPc	24	22.43	0.9
TXNY	89.82	27	iP	24	22.80	0.4
PNJ	90.07	27	iP	24	24.40	0.8
			i	24	38.10	46kmX
			i	24	53.70	
GMTN	90.08	27	iP	24	24.10	0.5
EMON	90.22	339	iPc	24	23.51	-0.8
EBR	90.26	333	eP	24	24.00	-0.4
			eS	34	44.00	
EROO	90.28	333	iPc	24	24.70	0.1
ESEL	90.35	331	iPc	24	25.24	0.3
GBTN	90.67	37	P	24	26.00	-0.5
NAV	90.73	34	P	24	26.60	-0.1
TKL	90.87	37	P	24	26.90	-0.5
CVL	91.08	32	P	24	28.60	0.3
ETOR	91.09	334	iPc	24	28.80	0.4
CBN	91.31	31	eP	24	29.00	-0.3
			e	24	59.00	114kmX
GUD	91.90	336	iPc	24	32.04	-0.2
TOL	92.57	335	ePc	24	35.21	0.1
	1.6s	533.33nm			6.6mb	
			epPc	25	04.35	110kmX
			ePP	28	13.62	
			eHPP	28	15.94	
			eS	34	23.00	
EPLA	93.00	337	iPc	24	37.33	0.2
MTE	93.10	338	e(P)	24	37.50	-0.1
			i	25	07.00	112kmX
LHS	93.15	35	P	24	37.20	-0.7
EBAN	94.06	335	iPc	24	42.18	0.1
ENIJ	94.63	333	eP	24	43.26	-1.4
ECOG	94.80	334	iPd	24	44.66	-0.9
AFC	94.81	334	eP	24	44.84	-0.9
EHOR	94.83	336	eP	24	45.63	0.1
EGUA	95.21	334	iPd	24	46.61	-0.7
EVAL	95.50	337	eP	24	48.76	0.1
EPRU	95.61	335	iPd	24	49.95	0.7
LIJA	95.73	335	eP	24	49.50	-0.3
EJIF	96.16	335	iPd	24	52.11	0.5
IFR	98.75	334	iPd	25	04.00	0.4
			i	29	05.50	
TIC	123.00	322	PKP	30	30.00	9.7X
KIC	123.13	321	PKP	30	20.10	-0.4
LIC	123.38	321	PKP	30	20.40	-0.6
BFT	123.67	265	ePKP	30	21.00	-0.6
KSR	126.08	267	iPKPc	30	24.50	-1.7
	1.0s	10.00nm				
PRY	126.26	265	ePKP	30	34.00	7.5X
BLF	128.42	264	ePKP	30	39.70	9.2X
	1.2s	60.00nm				
FRS	129.40	264	iPKPd	30	40.30	8.2X
	1.3s	28.85nm				
NNA	133.63	61	ePKP	30	41.00	0.3
	0.8s	9.70nm				
ZOBO	142.33	55	PKP	30	52.00	-5.3X
	18s	0.17um			4.9msz	
			i	34	14.00	
			LR	44	00.00	
LPB	142.55	55	PKP	30	57.80	0.3
			e	34	21.00	
CNCB	142.84	55	PKP	30	55.00	-3.1X
			i	34	26.50	
NVL	143.15	204	ePKPd	30	53.00	-3.4X
			e	31	06.00	
			e	31	38.00	
			e	32	09.00	
			e	32	35.00	
			e	34	07.00	
SIV	146.11	45	PKPd	31	03.20	0.2
ANT	146.27	66	i(PKP)	31	05.70	2.7X
			i	31	36.20	
SOB1	146.35	8	ePKP	31	03.50	0.0
			e	31	11.90	
			e	31	35.10	
JACH	151.51	81	iPKPd	31	17.50	6.4X
PEL	151.67	82	iPKPc	31	18.10	6.8X
	0.5s	35.21nm				
TACH	151.74	83	ePKP	31	19.00	7.7X
SAN	151.84	82	ePKP	31	15.00	3.5X
PCH	152.03	82	iPKPc	31	19.00	7.2X
PPD	155.96	35	ePKP	31	35.10	17.7X
			e	31	45.40	
			e	32	14.70	
VAO	158.49	27	ePKP	31	32.80	12.2X
			e	31	57.20	
			e	32	26.50	

S.D. = 0.8 on 506 of 534 obs.					
JUN 12, 1991 20h 20m 47.44±1.25s					
16.007 N ± 8.2km 61.245 W ± 11.4km					
DEPTH = 26.1 ± 11.8 km					
LEEWARD ISLANDS (92)					
ML 1.8 (FDF).					
MGG	0.11	218	iPd	20	52.37 0.1
			S	20	55.50
DEG	0.35	30	ePd	20	55.32 -0.1
			S	21	00.00
PAG	0.42	273	eP	20	56.30 -0.1
			S	21	01.80
SEG	0.47	328	iPc	20	57.20 0.1
			S	21	03.10
BBL	0.53	205	eP	20	58.20 0.0
			S	21	05.50
BPA	1.19	330	eP	21	08.45 0.0
S.D. = 0.1 on 6 of 6 obs.					
JUN 12, 1991 21h 05m 25.73±0.86s					
40.617 N ± 7.6km 15.394 E ± 9.0km					
DEPTH = 10.0km (geophysicist)					
SOUTHERN ITALY (390)					
SGO	0.09	228	Pd	05	28.40 0.1
			eSg	05	30.40
MGR	0.49	166	P	05	35.00 -0.8
			eSg	05	45.00
TDS	1.20	143	P	05	49.00 0.9
DUI	1.26	326	P	05	49.20 0.0
BRT	1.40	79	P	05	51.00 -0.3
S.D. = 0.9 on 5 of 5 obs.					
JUN 12, 1991 22h 03m 15.20±0.45s					
41.099 N ± 3.9km 22.421 E ± 4.0km					
DEPTH = 5.0km (geophysicist)					
YUGOSLAVIA (383)					
ML 2.2 (SKO).					
GRG	0.14	186	ePd	03	18.64 0.5
			eS	03	21.32
VAY	0.25	27	iPg	03	19.80 -0.5
			i	03	22.40
			iSg	03	23.30
KNT	0.37	80	ePd	03	22.52 0.0
			eS	03	27.43
THE	0.62	138	eP	03	27.70 0.0
			eS	03	37.10
SOH	0.76	111	iPd	03	29.42 -1.0
			eS	03	40.32
FNA	0.85	249	ePd	03	31.64 -0.5
			eS	03	43.67
SRS	0.89	88	ePd	03	31.79 -0.9
			eS	03	43.96
KKB	0.91	33	iPg	03	32.00 -1.2
LIT	1.00	177	ePd	03	34.60 0.0
			eS	03	50.28
MMB	1.10	63	iPg	03	36.00 -0.3
SKO	1.14	320	ePn	03	37.00 0.0
OHR	1.23	271	ePn	03	38.00 -0.5
OUR	1.41	122	ePc	03	42.03 0.5
			eS	04	01.43
PAIG	1.51	140	ePc	03	43.60 0.6
			eS	04	04.96
VTG	1.60	21	eP	03	46.00 1.6
PGB	1.95	41	eP	03	51.00 1.6
S.D. = 0.9 on 16 of 16 obs.					
JUN 12, 1991 22h 41m 43.76±3.13s					
44.181 N ± 15.4km 7.080 E ± 20.2km					
DEPTH = 10.0km (geophysicist)					
NORTHERN ITALY (545)					
STV	0.19	70	P	41	47.87 -0.1
			S	41	51.77
ENR	0.25	79	P	41	49.21 0.1
			S	41	53.51
PZZ	0.32	3	P	41	50.54 0.0
			S	41	55.77
ROB	0.58	78	P	41	55.56 0.0
			S	42	03.36
IMI	0.64	115	P	41	56.69 0.0
			S	42	05.30
S.D. = 0.1 on 5 of 5 obs.					

JUN 12, 1991 22h 57m 43.55± 0.65s					
41.098 N ± 7.0km 22.079 E ± 3.9km					
DEPTH = 5.0km (geophysicist)					
YUGOSLAVIA (383)					
GRG	0.28	120	iPc	57 49.82	0.6
			eS	57 54.06	
VAY	0.43	59	iPg	57 52.70	0.5
			iSg	57 59.40	
FNA	0.62	240	ePc	57 55.94	0.0
			eS	58 04.38	
KNT	0.62	84	ePc	57 56.02	0.0
			eS	58 03.10	
THE	0.82	124	ePc	57 58.98	-0.9
			eS	58 10.46	
OHR	0.97	271	ePg	58 02.30	-0.2
			eSg	58 16.00	
SOH	1.00	106	ePd	58 02.54	-0.5
LIT	1.04	162	iPc	58 04.50	0.8
			eS	58 18.54	
SRS	1.14	89	ePd	58 05.38	0.0
			iS	58 20.54	
PAIG	1.69	133	ePc	58 13.54	-0.3
			eS	58 39.10	
S.D. = 0.6 on 10 of 10 obs.					

* JUN 12, 1991 23h 26m 52.14± 1.87s					
38.464 N ±12.1km 9.073 W ±16.5km					
DEPTH = 11.3 ± 5.1 km					
PORTUGAL (376)					
mbLg 3.2 (MDD).					
LIS	0.26	347	iPd	26 59.00	1.3
			iS	27 04.30	
MTH	0.44	348	iPc	27 01.50	0.3
			iS	27 08.50	
MOE	0.57	84	iPc	27 06.50	2.9
			iS	27 18.00	
FIG	1.68	144	eP	27 28.00	6.4X
			eS	27 49.50	
COI	1.81	16	ePn	27 26.70	3.3X
			eSn	27 52.70	
EVAL	2.04	115	eP	27 27.00	0.3
			eS	27 53.50	
MTE	2.27	31	eP	27 29.10	-1.1
			iPg	27 37.40	
			eSn	27 56.50	
			iSg	28 09.00	
EPLA	2.82	55	eP	27 38.20	0.3
			eS	28 10.80	
GIBL	2.97	122	eP	27 40.00	0.0
EHOR	3.08	101	iP	27 41.80	0.2
			eS	28 19.50	
MVO	3.12	30	eP	27 41.00	-1.2
			eS	28 17.50	
LIJA	3.30	117	eP	27 43.50	-1.3
TOL	4.15	69	ePg	28 05.00	8.2X
			eSg	29 11.00	
EBAN	4.17	92	eP	27 57.00	-0.1
			eS	28 47.00	
GUD	4.38	59	eP	27 59.00	-1.2
			eS	28 50.50	
STS	4.44	5	eP	27 58.00	-2.8X
			eS	28 45.50	
ECOG	4.52	104	eP	28 02.30	0.2
			eS	28 55.00	
EGUA	4.66	109	eP	28 04.30	0.2
			eS	28 59.00	
ETOR	5.91	64	eP	28 20.00	-1.7X
			eS	29 27.80	
S.D. = 1.3 on 14 of 19 obs.					

* JUN 13, 1991 00h 10m 34.79± 0.38s					
16.289 S ±10.1km 167.379 E ±17.2km					
DEPTH = 33.0km (normol)					
4.9mb (1 obs.)					
VANUATU ISLANDS (186)					
BKM	1.60	149	iPd	11 01.60	0.4
			iS	11 26.00	
PVC	1.70	148	iPc	11 02.00	-0.5
			iS	11 24.50	
DZM	5.82	189	iPc	12 01.20	0.0
			iS	13 07.90	
ASPA	32.25	251	iPd	17 02.50	-0.2
	0.8s	14.90nm			4.9mb
CDF	144.05	33	ePKP	30 05.10	-3.70

BSF 144.71 337 ePKP 30 08.00 -2.0
0.7s 3.30nm
FLN 146.12 346 ePKP 30 10.90 -1.3
LOR 146.23 340 iPKPd 30 11.00 -1.4
0.8s 8.05nm
SSF 146.53 340 iPKPd 30 12.00 -0.9
0.6s 9.00nm
GRR 146.56 346 ePKP 30 11.30 -1.6
LPL 146.65 335 ePKP 30 13.00 -0.4
0.6s 2.70nm
LPG 146.65 335 ePKP 30 13.30 -0.2
0.6s 3.15nm
AVF 146.82 340 ePKP 30 11.70 -1.6
LPF 146.94 346 ePKP 30 13.00 -0.5
BGF 147.19 340 ePKP 30 13.90 -0.1
0.8s 12.75nm
MAF 147.58 340 ePKP 30 15.10 0.5
0.7s 3.30nm
TCF 147.63 341 ePKP 30 14.90 0.2
0.6s 2.70nm
SBF 147.67 332 ePKP 30 15.00 0.1
0.7s 6.60nm
LSF 147.88 341 ePKP 30 15.50 0.4
0.5s 5.85nm
PGF 147.95 329 ePKP 30 16.10 0.7
0.7s 11.00nm
MFF 148.04 344 ePKP 30 16.10 0.8
0.5s 4.35nm
FRF 148.26 333 ePKP 30 16.30 0.5
0.7s 5.50nm
LRG 148.47 333 ePKP 30 17.50 1.4
0.7s 5.50nm
LMR 148.50 333 ePKP 30 17.40 1.3
0.7s 6.60nm
CAF 148.89 340 ePKP 30 18.60 1.8
LPO 149.39 340 ePKP 30 19.80 2.3
0.5s 3.65nm
EPF 151.14 340 ePKP 30 23.80 3.6X
0.5s 1.45nm
S.D. = 1.1 on 25 of 27 obs.

& JUN 13, 1991 00h 17m 48.72s
62.500 N 149.225 W
DEPTH = 0.0km
CENTRAL ALASKA (1)
<AEIC>. ML 2.6 (AEIC).

WRH 2.04 14 eP 18 24.44 -0.3
CCB 2.25 16 eP 18 26.69 -1.0
RDS 2.39 11 eP 18 29.07 -0.7
0.7s 19 01.57
FBA 2.49 14 iP 18 30.73 -0.5
S 19 03.01
MDM 2.51 10 iP 18 31.03 -0.5
S 19 04.21
IMA 4.07 334 iP 18 52.87 -0.9
6 obs. associated

% JUN 13, 1991 01h 01m 17.09±0.75s
42.206 N ± 7.3km 6.599 W ± 8.0km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.1 (MDD).

ERUA 0.44 295 iP 01 25.20 -0.9
eS 01 30.40
MVO 1.09 197 eP 01 37.20 -0.4
iS 01 50.50
EMON 1.34 337 eP 01 42.00 0.2
eS 02 00.00
STS 1.59 296 eP 01 45.80 0.4
eS 02 06.00
MTE 1.93 202 eP 01 52.50 2.1
eS 02 16.50
EPLA 2.18 169 eP 01 52.50 -1.4
eS 02 19.20
GUD 2.41 130 eP 01 57.00 -0.3
eS 02 26.00
ECRI 3.06 81 eP 02 06.80 0.4
eS 02 42.50
S.D. = 1.3 on 8 of 8 obs.

% JUN 13, 1991 01h 01m 23.66±1.48s
43.615 N ± 15.7km 11.024 E ± 6.1km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

PII 0.38 286 Pd 01 31.30 -0.1
eSg 01 36.20
BDI 0.54 326 P 01 34.10 -0.6
eSg 01 43.00
PGD 0.57 63 P 01 35.10 -0.2
eSg 01 43.30
MME 0.62 338 Pc 01 37.30 0.9
eSg 01 46.10
SFI 0.67 63 P 01 36.60 -0.4
eSg 01 46.80
CRE 0.67 89 P 01 37.50 0.4
eSg 01 46.90
S.D. = 0.7 on 6 of 6 obs.

JUN 13, 1991 01h 11m 44.20±0.54s
39.113 N ± 4.8km 23.378 E ± 6.7km
DEPTH = 8.7 ± 4.8 km
AEGEAN SEA (365)

AGG 0.82 264 iPd 11 59.00 -1.2
ATH 1.17 167 eP 12 05.50 -0.6
LIT 1.20 325 iPc 12 07.00 0.3
THE 1.55 348 iPc 12 11.50 -0.5
iS 12 31.80
KZN 1.72 314 eP 12 14.70 0.1
SRS 2.01 5 iPc 12 18.50 -0.2
KNT 2.08 350 iPc 12 20.00 0.3
PRK 2.25 86 eP 12 21.50 -0.7
FNA 2.27 318 iPc 12 22.50 0.0
VLS 2.37 248 eP 12 27.30 3.3X
VLI 2.42 188 eP 12 23.50 -1.0
RDO 2.62 39 eP 12 26.70 -0.7
ALN 2.72 48 eP 12 28.40 -0.4
KEK 2.84 283 eP 12 33.70 3.2X
NPS 4.24 154 eP 12 52.40 2.0
S.D. = 0.9 on 13 of 15 obs.

* JUN 13, 1991 01h 16m 13.49±0.96s
5.411 S ± 9.0km 154.298 E ± 12.1km
DEPTH = 418.9 ± 8.3 km
5.0mb (8 obs.)
SOLOMON ISLANDS (193)

RAB 2.44 300 iPd 17 13.00 -1.5
LAT 7.36 260 eP 18 03.70 1.2
PMG 8.12 240 eP 18 12.50 1.5
0.7s 50.68nm 4.9mb
eS 19 45.00
DZM 20.31 146 iPc 20 21.00 0.7
OIS 20.74 222 iPc 20 25.00 0.5
0.7s 113.00nm 5.4mb
QLP 23.14 203 iPc 20 46.60 -0.1
0.7s 136.00nm 5.5mb
WB2 24.19 232 iPd 20 56.00 -0.3
0.5s 58.00nm 5.3mb
i 27 24.20
ASPA 26.75 225 iPc 21 18.20 -1.1
0.5s 28.20nm 5.0mb
STK 28.90 203 iPd 21 37.10 -0.9
0.5s 5.10nm 4.1mb
WARB 33.54 229 iPc 22 17.70 -0.3
0.3s 14.00nm 4.8mb
FORR 35.30 221 eP 22 32.10 -0.6
0.4s 23.00nm 4.9mb
GUN 73.71 301 P 27 05.60 0.1
PKI 74.03 301 P 27 07.00 -0.3
KKN 74.19 301 P 27 08.00 -0.1
DMN 74.30 300 P 27 08.80 0.1
GKN 74.80 301 P 27 11.80 0.4
TNP 92.11 52 P 28 38.70 0.6
S.D. = 0.9 on 17 of 17 obs.

JUN 13, 1991 01h 22m 45.37±0.17s
59.922 N ± 3.1km 152.322 W ± 3.0km
DEPTH = 70.2km (26 depth phases)
4.9mb (52 obs.)
SOUTHERN ALASKA (2)
Felt (V) at Port Graham; (IV) at
Homer and Ninilchik; (III) at
Kosilof, Kenoi and Pedro Bay.

KDC 2.18 182 eP 23 18.80 -1.3
PMR 2.29 42 eP 23 22.00 0.4
TTA 3.50 331 eP 23 41.00 2.4
WRH 4.98 22 eP 23 59.22 0.0
CCB 5.19 22 eP 24 01.95 -0.2
S 24 59.06

RDS 5.29 20 eP 24 03.64 0.0
S 25 01.61
MDM 5.40 19 eP 24 05.11 -0.1
FBA 5.42 21 eP 24 05.35 -0.1
IMA 6.20 355 eP 24 18.13 1.7
SDN 6.35 227 eP 24 16.80 -1.5
BCPM 6.38 84 iP 24 15.94 -2.8X
PNL 6.53 87 iP 24 17.77 -3.1X
HQN 6.82 88 iP 24 21.28 -3.6X
FYU 7.39 23 eP 24 32.37 -0.4
ANM 7.66 313 eP 24 38.49 2.0
SIT 9.35 100 eP 24 53.50 -6.1X
INK 11.70 36 P 25 29.00 -2.2
0.9s 18.50nm 5.0mb
ADK 15.78 250 P 26 25.50 1.2
1.0s 88.00nm 4.9mb
SMY 19.78 264 P 27 10.00 -2.1
MBC 19.96 22 eP 27 12.50 -1.3
1.0s 72.00nm 5.0mb
pP 27 33.00 111kmX
PGC 20.10 111 eP 27 30.00 14.6X
MCW 20.37 110 P 27 18.90 0.6
pP 27 33.30 67km
PNT 21.47 105 ePc 27 29.00 -0.4
1.1s 81.00nm 5.0mb
RMW 21.72 111 P 27 33.20 1.2
pP 27 47.70 63km
BMW 21.79 115 P 27 33.60 1.0
pP 27 48.00 63km
NEW 23.40 104 P 27 49.80 1.4
1.1s 46.30nm 4.8mb
pP 28 05.40 67km
SES 25.04 94 eP 28 04.00 -0.1
1.3s 74.00nm 5.0mb
pP 28 20.00 69km
FHC 25.99 125 ePc 28 31.20 18.3X
WDC 26.78 123 iPc 28 37.70 17.6X
FFC 27.11 79 eP 28 21.00 -2.0
0.9s 10.00nm 4.4mb
MIN 27.37 122 ePc 28 42.60 16.9X
LRM 27.39 103 eP 28 25.60 -0.4
ORV 28.07 123 e(P) 28 46.00 14.1X
CMB 29.82 123 e(P) 28 52.00 4.4X
ARN 29.92 125 P 28 52.30 3.8X
PRS 30.86 126 e(P) 28 47.60 -9.1X
FRI 30.99 123 ePc 28 58.50 0.7
BW06 31.04 104 P 28 58.00 -0.5
TNP 31.15 119 P 29 00.50 1.0
1.1s 14.07nm 4.6mb
pP 29 16.60 67km
ISA 32.64 123 eP 29 13.00 0.7
e 29 29.00 66km
RSSD 32.79 97 P 29 13.60 -0.1
0.8s 17.53nm 4.9mb
pP 29 30.70 71km
CLC 32.88 121 eP 29 15.00 0.6
e 29 32.00 71km
SYP 32.99 126 eP 29 16.00 0.5
MSU 33.10 112 P 29 17.20 0.7
pP 29 34.30 71km
GSC 33.66 121 eP 29 22.00 0.8
e 29 39.00 70km
SBB 33.75 123 eP 29 28.00 6.0X
e 29 38.00 35kmX
MWC 34.05 124 eP 29 22.00 -2.7
e 29 43.00 90kmX
RVR 34.53 123 eP 29 28.00 -0.6
e 29 48.00 86kmX
TPC 35.00 121 eP 29 34.00 1.3
PLM 35.30 123 eP 29 37.00 1.6
e 29 53.00 63km
GOL 35.42 103 P 29 37.00 0.5
0.7s 1.82nm 4.1mb
YAK 35.78 308 iPc 29 38.80 -0.1
e 30 10.00 140kmX
BAR 35.96 123 eP 29 41.00 0.2
GLA 36.43 121 eP 29 46.00 1.3
e 30 04.00 73km
FRB 37.06 47 eP 29 50.00 0.4
ANMO 38.67 109 P 30 03.80 0.1
ALO 38.67 109 eP 30 03.80 0.1
0.8s 4.10nm 4.4mb
epP 30 20.80 69km
DAG 40.47 15 eP 30 37.00 19.2X
TUL 43.12 98 ePc 30 38.70 -1.2
0.8s 6.60nm 4.5mb
SCH 43.35 57 eP 30 41.00 -0.7

13d 01h

FVM	44.20	91 P	30	47.80	-0.9	0.7s	11.60nm	4.9mb	BFT	145.74	356 iPKPc	42	18.50	1.4			
	0.9s	16.95nm			4.9mb					1.0s	50.00nm						
MDJ	47.24	288 eP	31	12.50	-0.2	LBF	71.71	17 eP	34	00.70	-0.5	SLR	145.83	359 iPKPc	42	16.30	-0.8
MA1	49.13	274 eP	31	25.00	-2.4	AVF	71.80	17 eP	34	01.20	-0.5		1.0s	50.00nm			
	0.9s	27.73nm			5.3mb		0.7s	12.15nm			4.9mb	KSR	145.96	1 ePKP	42	16.50	-0.9
CN2	49.82	290 Pc	31	31.70	-1.0	ZST	71.90	7 iP	34	02.40	0.2		0.6s	5.36nm			
	0.8s	50.00nm			5.6mb	BGF	71.96	18 iPc	34	02.10	-0.5	PRY	147.02	0 ePKP	42	20.00	1.0
TBR	49.86	75 P	31	40.00	7.0X		0.8s	13.45nm			4.9mb		0.6s	5.36nm			
AKU	50.14	23 eP	31	53.50	18.8X	SMF	72.02	17 eP	34	02.40	-0.6	SEK	148.41	0 iPKPd	42	24.10	2.9X
	1.2s	43.75nm					0.7s	7.70nm			4.7mb		0.6s	20.00nm			
KEV	50.62	0 eP	31	39.00	0.7	LSF	72.05	19 eP	34	02.60	-0.6	KIM	148.77	5 iPKPc	42	23.80	2.0X
		i	31	56.80	70km		0.7s	11.00nm			4.9mb		1.0s	10.00nm			
JSC	51.71	86 P	31	46.00	-1.1	TCF	72.12	18 eP	34	03.10	-0.5	BLF	149.17	3 ePKP	42	25.70	3.3X
		pP	32	03.50	69km	MAF	72.24	18 eP	34	03.80	-0.5		1.0s	20.00nm			
SNY	52.22	290 Pc	31	49.00	-1.8	PSZ	72.33	5 eP	34	05.00	0.1	SPA	149.75	180 iPKPd	42	29.50	7.4X
SOD	53.01	1 iP	31	55.30	-1.0	WTTA	72.37	11 iPc	34	05.50	0.2		1.0s	12.50nm			
		i	32	15.20	79km		1.0s	23.30nm			5.1mb	FRS	149.79	4 iPKPd	42	27.80	4.7X
BJ1	57.08	294 eP	32	25.50	-0.7			i	34	24.90	72km		0.7s	17.12nm			
	1.5s	29.00nm			5.2mb	KBA	72.72	10 iPc	34	07.70	0.4		S.D. = 0.9 on 138 of 174 obs.				
KAF	58.29	1 eP	32	33.20	-1.2		0.9s	25.40nm			5.2mb		* JUN 13, 1991 01h 27m 04.51± 0.60s				
MHC	58.52	298 eP	32	36.40	-0.1			i	34	11.80	13kmX		2.968 N ± 9.3km 126.469 E ± 11.3km				
NB2	58.70	9 P	32	33.00	-4.3X			i	34	27.20			DEPTH = 33.0km (norml)				
	0.9s	3.80nm			4.5mb	GYA	72.75	293 P	34	08.00	0.3		4.9mb (8 obs.)				
BTO	59.41	299 eP	32	42.00	-0.6	LFF	73.19	20 eP	34	09.70	-0.1		MOLUCCA PASSAGE (266)				
HFS	59.79	8 eP	32	43.00	-1.7	CAF	73.42	19 eP	34	11.00	-0.2						
	0.4s	2.70nm			4.7mb		0.7s	9.90nm			4.9mb	MNI	2.22	227 eP	27	41.00	1.2
Z	16s	0.13um			4.2mszX	LPO	73.51	19 eP	34	11.30	-0.4		eS	28	02.00		
		LR	56	53.00			0.6s	9.00nm			4.9mb	AAI	6.83	165 eP	28	44.50	-0.5
NUR	59.88	2 iP	32	44.10	-1.3			i	34	12.80	0.7		eS	30	02.00		
	0.7s	17.40nm			5.3mb	LPL	73.53	15 eP	34	12.80	0.7	TSM	8.47	279 ePd	29	11.00	3.0X
		i	33	07.60	94kmX	BNI	73.98	15 P	34	31.30	16.7X		0.7s	421.50nm			6.7mb X
TIY	60.68	295 eP	32	51.20	0.0	ERUA	74.10	26 eP	34	35.50	20.3X		10.67	287 ePd	29	39.00	0.7
Z	16s	0.48um			4.7mszX	BOB	74.60	13 P	34	18.90	0.8	KKM	10.72	221 ePd	29	39.50	0.6
		i	33	01.50	-0.5	MLR	74.94	1 eP	34	21.00	0.9	MKS	14.56	337 eP	30	41.00	10.7X
NJ2	62.29	286 Pc	33	01.50	-0.5	GZR	74.97	4 ePd	34	20.00	-0.2	BAG	16.38	164 eP	30	53.00	-0.7
	1.0s	100.00nm			5.9mb	EPF	74.97	20 eP	34	19.80	-0.5	MTN	23.15	268 eP	32	06.50	-2.6
EKA	62.50	19 Pd	33	02.40	-0.7	CDR	75.21	16 ePc	34	42.00	20.5X	KGM	24.05	162 iPd	32	18.50	0.7
	0.7s	6.00nm			4.8mb	SBF	75.25	15 eP	34	21.90	0.1	WB2	0.7s	38.20nm			5.0mb
CTA	64.75	305 iPd	33	18.70	0.5		0.7s	8.80nm			4.8mb	IPM	25.44	274 ePc	32	33.00	1.8
	1.0s	40.00nm			5.3mb	BDI	75.43	13 P	34	39.60	16.7X	SNG	26.08	280 eP	32	38.40	1.3
Z	20s	0.30um			4.5msz	FRF	75.44	16 eP	34	23.00	0.2	QIS	26.70	152 eP	32	45.00	2.3X
OBN	65.11	354 iPd	33	18.80	-1.3		0.9s	4.90nm			4.4mb	ASPA	27.45	165 eP	32	49.50	-0.1
	0.8s	*****nm			8.3mb X	LRG	75.50	16 eP	34	23.80	0.6		0.6s	10.50nm			4.7mb
		e	33	38.00	73km	LMR	75.64	16 eP	34	23.70	-0.3		iS	37	20.10		
XAN	65.31	295 P	33	21.50	-0.3	SFI	75.70	12 P	34	25.20	0.9	WARB	28.98	180 eP	33	00.50	-2.9
WMC	65.55	316 Pc	33	24.40	1.2	PGD	75.74	12 P	34	26.20	1.5		0.4s	8.00nm			4.8mb
	0.8s	60.00nm			5.6mb	ARV	76.23	11 P	34	47.50	20.2X	CHG	31.20	302 eP	33	22.00	-1.2
Z	20s	0.30um			4.5msz	GUD	76.42	24 eP	34	48.30	19.8X	KMI	31.74	316 eP	33	18.50	-9.6X
N	14s	0.30um				ASS	76.63	11 P	34	49.60	20.0X		1.0s	28.00nm			5.1mb
		sP	33	41.50		LSA	76.70	307 P	34	32.40	1.7	Z	20s	0.25um			3.9msz
WHN	65.69	289 eP	33	29.00	4.8X	PGF	76.74	14 eP	34	30.30	0.0		pP	33	25.00	23kmX	
CLL	68.49	10 iPd	33	41.20	-0.3		0.7s	6.60nm			4.7mb	FORR	33.66	177 iPd	33	42.80	-1.7
		i	33	59.80	70km	TOL	77.17	25 eP	34	53.00	20.4X		0.4s	34.00nm			5.6mb
BRG	69.00	9 iP	33	44.80	0.1	MNS	77.31	11 P	34	46.50	13.2X	STK	37.52	159 iPc	34	18.20	0.9
	1.2s	17.00nm			4.9mb	SDI	78.09	11 P	34	37.40	-0.3		0.6s	6.70nm			4.7mb
		i	34	03.60	70km	SKO	78.34	5 iP	34	38.40	-0.5		e	34	38.80		
		i	34	20.00				i	34	58.50	75km		ePcP	36	34.90		
MOX	69.02	11 iPc	33	44.70	-0.1	VAY	79.03	4 eP	34	43.00	0.3		eS	39	58.40		
	0.9s	16.00nm			4.9mb	OHR	79.17	5 eP	34	43.30	-0.2	YAK	58.96	2 eP	37	05.40	2.6X
KSP	69.21	8 iPd	33	45.70	-0.2	KNT	79.20	4 iPc	34	44.14	0.5	FBA	85.52	25 P	39	44.20	4.0X
		ic	34	06.00	77km	SRS	79.26	3 eP	34	44.24	0.2	OBN	87.51	325 iP	39	49.10	-1.0
GRR	69.58	20 eP	33	47.70	-0.5	GRG	79.39	4 ePc	34	45.16	0.5		1.1s	*****nm			8.7mb X
LPF	69.89	20 eP	33	50.10	0.0	FNA	79.52	5 iPd	34	45.52	0.1	INK	90.96	21 eP	40	08.00	1.8
GRF	69.93	11 ePc	33	50.70	0.3	SOH	79.55	3 eP	34	46.12	0.5	SOD	91.07	338 eP	40	06.00	-0.7
	1.3s	18.00nm			4.8mb	MGR	79.80	9 P	34	46.00	-0.9	KAF	92.15	332 eP	40	10.60	-1.1
Z	20s	0.10um			4.1msz	SHL	80.05	304 iP	34	37.50	-11.2X	NUR	93.24	331 eP	40	14.90	-1.8
		e(P) d34	10	30	74km	EGUA	80.21	25 eP	34	50.00	0.9	HFS	98.57	332 ePKP	40	39.40	-1.6
PRU	69.93	9 Pc	33	50.00	-0.3	LIT	80.24	4 eP	34	49.44	0.2		0.4s	1.10nm			4.7mb
		e	34	10.00	75km	MAIO	80.60	334 eP	34	52.00	0.7	Z	16s	0.11um			4.4mszX
RA	70.20	5 iPd	33	51.80	-0.2	KKK	80.70										

ARE	1.48	233	iPc	30	20.00	0.1	SDG	4.55	0	eP	49	20.94	-5.5	Pg	04	38.40							
			iS	30	47.50		NCT	4.56	308	eP	49	21.61	-5.0	Sg	05	25.00							
ZOBO	2.17	109	iPd	30	27.00	0.4	SPU	4.58	317	eP	49	22.21	-4.7	MAF	3.56	30	Pn	04	25.60	0.2			
LPB	2.29	115	iPd	30	26.40	-1.2	COLM	4.65	318	eP	49	23.78	-4.2				Pg	04	37.80				
	1.0s	212	00nm				CRP	4.67	317	eP	49	24.34	-4.1				Sg	05	27.40				
CNCB	2.52	120	iPd	30	31.50	1.4	CKL	4.69	316	eP	49	24.01	-4.6	BGF	3.95	30	Pn	04	31.00	0.1			
CCH	4.35	115	Pc	30	53.50	2.3	BGL	4.76	316	eP	49	25.22	-4.3				Pg	04	47.50				
NNA	7.31	298	eP	31	28.20	-0.5	NGC	4.77	319	eP	49	24.71	-5.0				Sg	05	39.60				
	0.5s		6.34nm			4.0mb	PDB	4.81	296	eP	49	25.17	-4.9	GUD	4.00	232	eP	04	32.08	0.3			
			eS	32	50.00		SKT	4.99	326	eP	49	27.24	-5.4				eS	05	16.10				
ANT	8.09	181	eP	31	37.50	-1.2	CUT	5.00	334	eP	49	28.52	-4.3	ESEL	4.03	146	eP	04	32.71	0.6			
SIV	8.86	94	P	31	46.00	-2.7	TRF	5.94	339	eP	49	41.48	-4.7				eS	05	17.80				
PPD	19.05	113	(P)	33	51.00	0.1	44 obs. associated										CDR	4.23	81	eP	04	37.00	2.6
ALO	60.86	326	eP	39	18.00	-16.7X	& JUN 13, 1991 03h 55m 54.30s													e	05	23.20	
			e	39	35.00		33.030 N 117.740 W													e	05	47.70	
ANMO	60.87	326	P	39	34.80	0.1	DEPTH = 6.0km (geophysicist)										AVF	4.33	32	Pn	04	37.00	0.6
YKA	85.19	341	eP	41	55.50	0.4	SOUTHERN CALIFORNIA (43)													Pg	04	54.00	
	0.5s		2.60nm			4.3mb	<PAS>. ML 3.4 (PAS).										SMF	4.42	37	Pn	04	38.50	0.9
WRA	137.21	215	PKP	48	43.00	0.7	CPE	0.56	105	eP	56	04.70	-0.8				Sg	05	50.30				
	0.5s		2.20nm				CIS	0.67	304	eP	56	06.20	-1.6	TOL	4.48	224	ePn	04	38.00	-0.5			
S.D. = 1.5 on 12 of 13 obs.							SCI	0.68	266	iPd	56	06.20	-1.7				eSn	05	28.00				
% JUN 13, 1991 02h 20m 27.64±0.85s							PLM	0.80	66	iPd	56	09.20	-1.2	SSF	4.62	31	Pn	04	40.80	0.4			
17.219 N ± 8.7km 99.580 W ± 11.5km							BAR	0.96	111	eP	56	11.50	-1.5				Pg	04	59.90				
DEPTH = 10.0km (geophysicist)							PEC	0.99	29	eP	56	12.00	-1.4				Sg	05	59.80				
GUERRERO, MEXICO (59)							IKP	1.43	105	iPd	56	19.60	-1.2	LRG	4.65	84	Pn	04	40.60	-0.3			
ACX	0.44	217	iP	20	36.50	-0.1	TPC	1.77	52	iPc	56	26.20	0.4	LBF	4.74	35	Pn	04	41.60	-0.7			
			iS	20	42.00		8 obs. associated													Pg	05	01.20	
III	1.16	5	iP	20	49.00	-0.4	JUN 13, 1991 04h 03m 29.88±0.29s										EVIA	4.91	204	eP	04	43.46	-1.2
			iS	21	06.50		43.168 N ± 3.3km 0.002 E ± 3.1km													eS	05	36.00	
TPM	1.82	16	(P)	21	00.00	0.6	DEPTH = 17.6 ± 3.7 km										LPF	4.92	352	Pn	04	44.00	-0.7
			(S)	21	25.00		FRANCE (538)													Pg	05	05.20	
PPM	2.05	26	iP	21	02.00	-1.0	ML 3.8 (LDG). mbLg 3.5 (MDD).										LOR	4.92	32	Pn	04	44.40	-0.4
			(S)	21	33.00		Felt (IV) at Bigarre.													Pg	05	04.80	
IIT	2.16	34	(P)	21	05.00	0.6	BTH	0.16	254	iPg	03	34.80	0.5	GRR	5.26	354	Pn	04	48.50	-1.0			
			(S)	21	36.00		EPF	0.28	119	Pn	03	36.40	0.2	ERUA	5.32	264	eP	04	51.26	0.9			
OXX	2.73	92	(P)	21	21.00	8.4X				Sg	03	41.60					eS	05	50.20				
IISM	2.74	50	iP	21	12.50	0.1	JAU	0.30	245	Pg	03	36.37	-0.3	LDF	5.43	359	Pn	04	51.00	-0.9			
			(S)	21	51.50					Sg	03	40.44		EPLA	5.51	238	eP	04	52.10	-1.1			
MRX	2.91	328	iP	21	15.00	0.2	OGE	0.35	270	Pg	03	38.22	0.9	FLN	5.61	357	Pn	04	53.20	-1.2			
			(S)	21	51.50					Sg	03	43.29		PGF	6.64	92	Pn	05	08.00	-1.2			
S.D. = 0.7 on 7 of 8 obs.							ESCF	0.43	258	Pg	03	38.94	0.2	S.D. = 1.0 on 42 of 44 obs.									
& JUN 13, 1991 02h 48m 15.99s									Sg	03	44.44		JUN 13, 1991 04h 10m 07.98±0.60s										
57.991 N 145.604 W							ATE	0.52	261	Pg	03	40.69	0.5	39.405 N ± 5.4km 28.038 E ± 5.9km									
DEPTH = 10.0km (geophysicist)									Sg	03	47.80		DEPTH = 10.0km (geophysicist)										
GULF OF ALASKA (15)							LHE	0.52	241	Pg	03	39.93	-0.4	TURKEY (366)									
<AEIC>. ML 2.8 (AEIC).									Sg	03	46.00		MD 3.1 (ISK).										
MID	1.49	345	eP	48	37.45	-5.3	ISSF	0.60	257	Pg	03	42.06	0.4	DST	0.50	66	iPg	10	18.10	0.0			
			S	48	55.89					Sg	03	49.84					iSg	10	28.10				
MTU	2.27	333	eP	48	48.92	-5.1	MADF	0.60	268	Pg	03	42.47	0.9	EDC	0.95	352	iPg	10	26.50	0.4			
			S	49	14.74		ELYF	0.73	270	Pg	03	45.11	1.4				iSg	10	40.00				
LTI	2.36	331	iP	48	50.07	-5.3	BOH	0.74	265	Pg	03	44.20	0.1	BNT	0.95	355	iPg	10	27.00	0.9			
KNIM	2.61	336	iP	48	53.62	-5.3	EGRA	1.00	194	iP	03	48.10	-0.2				eSg	10	40.00				
			eS	49	21.47		LPO	1.74	29	Pn	04	00.90	1.4	IZM	1.17	211	ePn	10	29.80	-0.1			
GLI	3.00	346	eP	48	58.61	-5.8				Sg	04	05.90		EZN	1.39	288	iPn	10	33.10	-0.2			
TGL	3.12	26	iP	49	00.60	-5.6				Sg	04	30.20		IZI	1.44	49	iPn	10	34.40	0.2			
VZW	3.12	351	eP	49	00.54	-5.6	LFF	1.85	16	Pn	04	03.10	2.1	KHL	1.58	133	ePn	10	36.70	0.5			
CLZ	3.17	354	eP	49	01.44	-5.4				Pg	04	07.90		CTT	1.77	10	ePn	10	37.90	-0.9			
CNPM	3.31	300	eP	49	04.35	-4.6				Sg	04	34.00		CIN	1.80	179	eP	10	42.00	-2.7X			
SLKM	3.46	319	eP	49	05.90	-5.1	ECRI	1.93	254	iP	04	04.93	2.6	HRT	1.89	41	ePn	10	39.90	-0.7			
			eS	49	43.16					eS	04	28.10		S.D. = 0.6 on 9 of 10 obs.									
BALM	3.48	27	iP	49	05.53	-5.8	ETER	2.27	111	iP	04	11.04	3.8X	JUN 13, 1991 06h 30m 26.35±0.73s									
KLU	3.52	358	iP	49	06.21	-5.6				eS	04	39.80		43.369 N ± 5.3km 8.411 E ± 6.3km									
GLB	3.58	14	iP	49	06.84	-5.9	CAF	2.30	40	Pn	04	08.00	0.4	DEPTH = 13.1 ± 3.2 km									
			eS	49	45.79					Pg	04	16.20		CORSIKA (380)									
NNL	3.59	307	eP	49	09.91	-2.9	EROQ	2.36	172	eP	04	10.83	2.4	ML 3.0 (LDG).									
PNL	3.64	60	eP	49	07.52	-6.0	EBR	2.37	171	ePn	04	13.00	4.4X	IMI	0.66	325	P	30	40.08	0.8			
CTGM	3.69	34	eP	49	08.44	-6.0				eSg	04	43.00					S	30	47.57				
KNK	3.72	338	eP	49	09.58	-5.2	RJF	2.40	26	Pn	04	09.40	0.5	REVF	0.84	296	Pg	30	43.30	0.9			
PMS	3.83	330	eP	49	10.39	-5.9				Pg	04	17.70					Sg	30	53.74				
SCM	3.95	348	eP	49	12.70	-5.3	ETOR	2.80	214	eP	04	15.67	0.9	FIN	0.85	350	P	30	42.75	0.2			
PLRM	4.03	335	eP	49	14.70	-4.3	LSF	3.27	19	Pn	04	22.00	0.7	SBF	0.86	305	Pn	30	43.20	0.5			
TZL	4.07	1	eP	49	14.55	-5.0				Pg	04	34.40		SAOF	0.88	315	Pg	30	43.30	0.4			
SML	4.07	341	eP	49	14.62	-5.0				Sg	05	19.40					Sg	30	54.74				
TOA	4.14	356	eP	49	15.83	-4.8	MFF	3.44	358	Pg	04	24.80	1.2	PGF	0.93	152	Pg	30	44.51	0.7			
GHO	4.15	338	eP	49	16.46	-4.3				Pg	04	37.00		AURF	0.94	304	Pg	30	44.77	0.7			
CDD	4.33	286	eP	49	19.09	-4.2	TCF	3.49	26	Pn	04	22.00	-0.1	AUTN	0.95	312	Pg	30	44.82	0.5			
RDT	4.34	309	eP	49	18.42	-5.2				Sg	05	22.40		ROB	1.00	337	P	30	45.42	0.3			
RED	4.42	306	eP	49	19.50	-5.1				Sg	05	22.00											
REF	4.42	307	eP	49	20.16	-4.6				Sg	05	22.00											
RSO	4.43	307	eP	49	20.57	-4.4				Sg	05	22.00											
RDN	4.46	308	eP	49	20.11	-5.2				Sg	05	22.00											
RDW	4.46	307	eP	49	21.06	-4.3				Sg	05	22.00											
DFR	4.47	309	eP	49	19.82	-5.6				Sg	05	22.00											

13d 06h

CKI	1.06 355	S	30 56.54		
		P	30 46.80	0.8	
		eSg	30 59.00		
TOUF	1.06 308	Pg	30 46.72	0.5	
ENR	1.12 320	P	30 47.31	0.2	
		S	30 59.61		
CALN	1.17 290	Pg	30 48.48	0.5	
PCP	1.18 5	P	30 47.67	-0.4	
		S	30 59.87		
STV	1.18 318	P	30 48.29	0.2	
		S	31 01.15		
FRF	1.39 279	Pn	30 49.00	-1.1	
		Sn	31 05.20		
LMR	1.39 269	Pn	30 51.20	-0.1	
		Sn	31 07.20		
DOI	1.41 324	P	30 52.40	0.6	
		eSg	31 08.40		
PZZ	1.48 321	P	30 52.70	0.0	
		S	31 09.87		
LRG	1.50 274	Pn	30 52.00	-0.8	
		Sn	31 10.20		
BHB	1.69 331	P	30 55.38	-0.3	
		S	31 13.97		
BNI	2.10 324	P	31 02.50	0.8	
LPG	2.44 331	Pn	31 04.00	-2.7	

S.D. = 0.9 on 23 of 23 obs.

* JUN 13, 1991 08h 01m 59.99±1.15s
 6.295 S ± 8.9km 130.279 E ± 13.0km
 DEPTH = 135.0 ± 13.9 km
 4.9mb (5 obs.)
 BANDA SEA (280)

AAI	3.32 321	eP	02 52.00	0.4	
MTN	6.56 173	eP	03 35.40	0.0	
	0.3s	171.00nm		5.9mb X	
KNA	9.51 189	eP	04 14.50	-0.5	
	0.3s	46.00nm		5.7mb X	
		eS	05 54.00		
WB2	14.13 164	eP	05 12.40	-3.0	
	0.3s	14.30nm		4.7mb	
		eS	07 39.70		
QIS	16.82 148	eP	05 49.00	0.1	
		iS	08 42.00		
PMG	17.00 102	eP	05 52.00	0.9	
ASPA	17.62 169	eP	06 00.00	1.3	
	0.4s	10.40nm		4.5mb	
		eS	09 06.60		
WARB	20.08 190	eP	06 26.00	1.0	
NANU	21.54 220	eP	06 41.00	1.4	
CHTO	39.71 310	iP	09 21.90	1.1	
GUN	54.70 311	P	11 17.62	-0.4	
	0.4s	28.00nm		5.5mb	
PKI	54.88 310	P	11 18.48	-0.8	
	0.5s	7.00nm		4.8mb	
KKN	55.09 310	P	11 20.14	-0.6	
DMN	55.13 310	P	11 20.62	-0.4	
GKN	55.69 310	P	11 24.42	-0.5	
	0.3s	15.00nm		5.4mb	

S.D. = 1.3 on 15 of 15 obs.

? JUN 13, 1991 08h 13m 41.50±5.25s
 43.124 N ± 29.8km 30.056 E ± 31.4km
 DEPTH = 10.0km (geophysicist)
 PYRENEES (378)

ESCF	0.05 192	Pg	13 43.76	0.1	
ATE	0.11 250	Pg	13 44.10	-0.3	
MADF	0.19 277	Pg	13 45.88	0.1	
		Sg	13 48.87		
ISSF	0.20 241	Pg	13 46.03	0.1	
		Sg	13 49.00		

S.D. = 0.3 on 4 of 4 obs.

? JUN 13, 1991 08h 50m 58.31±3.70s
 40.844 N ± 29.1km 30.053 E ± 27.9km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

EYL	0.29 164	iPg	51 04.40	0.0	
HRT	0.29 266	iPg	51 04.40	-0.1	
		eSg	51 08.90		
ISK	0.78 287	ePg	51 13.00	-0.6	
CTT	1.27 284	ePn	51 22.40	0.6	

S.D. = 0.8 on 4 of 4 obs.

? JUN 13, 1991 09h 07m 30.91±0.96s
 40.658 N ± 7.0km 22.976 E ± 8.1km
 DEPTH = 5.0km (geophysicist)
 GREECE (364)

THE	0.03 198	iPd	07 32.14	0.0	
		eS	07 33.02		
SOH	0.33 60	iPc	07 37.46	-0.1	
KNT	0.51 353	ePd	07 41.30	0.2	
		eS	07 49.26		
GRG	0.53 305	ePd	07 41.30	-0.2	
		eS	07 50.10		

S.D. = 0.3 on 4 of 4 obs.

* JUN 13, 1991 09h 49m 34.18±1.30s
 36.272 N ± 19.0km 71.097 E ± 11.0km
 DEPTH = 151.7 ± 17.3 km
 4.6mb (9 obs.)
 AFGHANISTAN-USSR BORDER REGION (717)

MAIO	9.37 274	eP	51 47.00	0.0	
		eS	53 28.00		
GKN	14.12 122	P	52 48.72	0.1	
	0.3s	61.00nm		5.5mb	
DMN	14.69 122	P	52 56.48	0.5	
	0.3s	21.00nm		5.0mb	
KKN	14.69 121	P	52 55.74	-0.2	
PKI	14.92 122	P	52 59.10	0.2	
	0.2s	25.00nm		5.1mb	
GUN	15.04 119	P	52 59.90	-0.5	
	0.4s	36.00nm		5.1mb	
HFS	43.29 322	eP	57 21.70	-0.3	
	0.4s	0.80nm		3.7mb	
NAO	44.78 323	P	57 33.80	0.0	
	0.6s	1.10nm		3.7mb	
MBC	67.56 3	eP	00 16.00	0.5	
INK	74.12 9	eP	00 54.00	-0.8	
YKA	81.47 3	eP	01 35.70	0.6	
	0.6s	1.00nm		3.7mb	
WRA	81.81 122	P	01 37.00	-0.5	
	0.4s	1.80nm		4.2mb	
WB2	81.81 122	iPd	01 38.00	0.4	
	0.3s	4.90nm		4.7mb	

S.D. = 0.5 on 13 of 13 obs.

* JUN 13, 1991 10h 18m 58.42±0.55s
 40.220 N ± 8.3km 77.919 E ± 13.0km
 DEPTH = 33.0km (normol)
 4.9mb (10 obs.)
 KIRGHIZ-XINJIANG BORDER REGION (320)

NDI	11.52 183	iPc	21 43.50	-0.2	
		eS	23 50.00		
GKN	13.39 153	P	22 08.20	-0.5	
	0.4s	39.00nm		5.7mb	
QUE	13.43 225	eP	22 07.40	-1.8	
		eS	24 33.40		
KKN	13.81 152	P	22 13.66	-0.7	
	0.6s	36.00nm		5.4mb	
DMN	13.91 153	P	22 15.58	-0.2	
	0.6s	42.00nm		5.3mb	
GUN	13.93 149	P	22 15.64	-0.4	
PKI	14.06 152	P	22 17.10	-0.6	
	0.6s	52.00nm		5.5mb	
IRK	21.73 48	eP	23 56.30	7.7X	
HYB	22.73 178	eP	24 03.00	4.3X	
GBA	26.52 181	Pc	24 36.80	2.0	
	0.7s	7.90nm		4.4mb	
CHTO	27.97 134	(P)	24 48.80	0.7	
MLR	37.91 296	eP	26 15.00	0.7	
SOD	38.89 331	eP	26 22.00	0.0	
KEV	39.55 335	eP	26 27.00	-0.5	
HFS	43.66 319	eP	26 59.80	-1.4	
	0.4s	1.40nm		4.1mb	
NAO	45.03 320	P	27 09.50	-2.8	
	0.6s	1.80nm		4.1mb	
GRF	46.70 305	e(P)	27 28.00	2.3	
MBC	63.29 5	ePc	29 25.60	0.0	
	0.7s	17.00nm		5.3mb	
INK	69.26 12	eP	30 04.00	0.4	
MTD	71.22 227	iPc	30 19.00	2.6	
BUL	75.59 227	iPc	30 45.20	3.3X	
YKA	77.14 6	eP	30 50.20	0.4	
	0.8s	3.50nm		4.4mb	
WRA	79.61 127	P	31 10.00	6.0X	
	0.6s	1.50nm		4.2mb	

S.D. = 1.4 on 19 of 23 obs.
 * JUN 13, 1991 10h 48m 22.41±0.75s
 67.698 N ± 9.1km 19.758 E ± 8.5km
 DEPTH = 10.0km (geophysicist)
 SWEDEN (536)

MD 2.8 (BER).					
GTK1	1.85 43	iP	48 54.92	0.6	
		iS	49 18.99		
TRO	1.97 352	iP	48 55.55	-0.5	
		eSg	49 20.78		
LOF	2.39 283	eP	49 02.24	0.1	
		eSg	49 32.92		
MOR7	2.43 237	iP	49 05.17	2.4	
		eSg	49 37.91		
SOD	2.66 94	iP	49 06.80	0.8	
KEV	3.35 49	iP	49 15.00	-0.8	
NSS	4.49 229	eP	49 31.83	-0.1	
		eS	50 22.97		
KAF	6.26 151	iP	49 57.20	0.2	
NRA0	7.85 211	P	50 16.60	-2.6	
		Lg	52 32.90		

S.D. = 1.6 on 9 of 9 obs.

* JUN 13, 1991 11h 08m 30.88s
 59.728 N 152.920 W
 DEPTH = 101.7km
 SOUTHERN ALASKA (2)
 <AEIC>.

AUE	0.44 212	eP	08 45.87	-0.7	
AUH	0.45 216	ePd	08 46.37	-0.5	
AUI	0.47 213	eP	08 46.15	-0.7	
		eS	08 57.89		
PDB	0.65 276	iPc	08 47.38	-0.8	
		iS	09 00.12		
HOM	0.65 96	ePd	08 47.77	-0.5	
		eS	09 00.68		
XLV	0.67 114	ePd	08 47.44	-1.0	
		eS	09 00.61		
RED	0.70 6	iPc	08 47.90	-0.9	
		eS	09 01.17		
RSO	0.74 6	iPc	08 48.54	-0.8	
RS2	0.74 6	iPc	08 48.57	-0.8	
RDW	0.76 4	iPc	08 48.68	-0.8	
REF	0.77 8	iPc	08 48.81	-0.8	
RDN	0.79 6	iPc	08 49.02	-0.7	
NCT	0.84 360	iPc	08 49.30	-0.8	
		iS	09 03.71		
DFR	0.87 8	iPc	08 49.69	-0.8	
NNL	0.88 68	ePd	08 50.70	0.3	
CNPM	0.88 103	iPd	08 49.50	-1.0	
		eS	09 03.93		
CDD	0.88 205	ePc	08 49.76	-0.7	
RDT	0.89 17	iPc	08 49.61	-1.0	
MCNL	0.91 234	eP	08 49.82	-0.9	
SYI	1.15 166	ePc	08 52.46	-1.0	
		eS	09 09.83		
NKA	1.32 39	iPc	08 56.29	0.9	
CKL	1.50 11	iPc	08 56.93	-0.8	
		eS	09 17.58		
SPU	1.52 16	iPc	08 56.99	-0.9	
		eS	09 17.30		
SLKM	1.56 59	ePc	08 57.43	-1.0	
BGL	1.56 9	ePc	08 57.84	-0.7	
CRP	1.59 13	ePc	08 58.16	-0.7	
CGLM	1.65 16	iPc	08 58.79	-0.8	
		eS	09 20.09		
NCG	1.72 12	ePc	08 59.77	-0.8	
SEW	1.79 76	ePc	08 59.92	-1.3	
		S	09 21.63		
SVW	1.93 317	iPd	09 01.75	-1.4	
		S	09 24.81		
KDC	2.00 173	ePd	09 01.76	-2.2	
		S	09 25.98		
SUA	2.05 31	iPc	09 04.02	-0.7	
		eS	09 29.16		
PMS	2.25 46	iPc	09 06.28	-1.1	
SKT	2.36 16	iPc	09 07.51	-1.3	
PWA	2.44 36	eP	09 09.16	-0.7	
LTI	2.57 81	ePd	09 09.77	-1.9	
PLRM	2.64 43	ePc	09 11.23	-1.3	
KNIM	2.67 74	ePc	09 10.69	-2.3	
KNK	2.78 51	eP	09 12.84	-1.6	
GHO	2.84 42	eP	09 13.69	-1.6	
CUT	2.98 24	eP	09 16.40	-0.7	

SML 3.07 45 eP 09 16.26 -2.1
 VZW 3.43 64 iPc 09 21.26 -2.1
 SCM 3.46 50 eP 09 21.44 -2.4
 VLZ 3.56 64 eP 09 22.92 -2.0
 KLU 3.88 60 eP 09 26.81 -2.7
 TOA 4.07 51 eP 09 30.20 -1.9

47 obs. associated

* JUN 13, 1991 11h 20m 09.52±1.25s
 36.459 N ±12.8km 26.502 E ± 6.7km
 DEPTH = 147.7 ± 23.0 km
 DODECANESE ISLANDS (369)
 MD 3.4 (ATH).

ARG 1.33 100 ePb 20 36.90 -0.6
 NPS 1.40 211 ePb 20 38.00 -0.1
 YER 1.58 64 iPn. 20 40.20 0.0
 IZM 2.03 17 iP 20 45.10 -0.2
 ELL 2.76 83 iPn 20 54.90 0.5
 VLI 2.88 276 ePn 20 56.60 0.8
 BCK 3.42 72 ePn 21 03.00 0.1
 VLS 5.01 292 ePn 21 24.00 0.1
 CZI 8.65 292 P 22 12.10 -0.6

S.D. = 0.6 on 9 of 9 obs.

* JUN 13, 1991 11h 33m 13.73±0.71s
 28.860 S ± 6.6km 69.509 W ±12.5km
 DEPTH = 98.4 ± 9.5 km
 4.5mb (2 obs.)

CHILE-ARGENTINA BORDER REGION (127)

RTRS 1.31 178 iPd 33 40.50 2.6
 RTLL 2.62 160 iPc 33 56.10 1.0
 JACH 3.92 193 iPd 34 12.60 -0.4
 MDZ 4.05 172 iP 34 16.20 1.5
 PEL 4.39 193 iPd 34 18.00 -1.4
 IHA 4.54 203 eP 34 21.50 0.2
 SAN 4.68 192 iPc 34 24.00 0.6
 PCH 4.82 190 iPc 34 24.00 -1.4
 TACH 4.93 194 iP 34 24.00 -2.8
 ANT 5.20 351 e(P) 34 29.00 -1.5
 CNCB 12.08 7 P 36 04.00 -0.3

LPB 12.34 6 eP 36 12.00 4.4X
 ZOBO 12.60 6 P 36 13.00 1.9
 SIV 14.99 33 P 36 39.60 -2.0
 PPD 17.77 72 (P) 37 16.00 -0.3
 TUL 69.02 337 eP 44 09.40 -1.1
 LIC 71.10 72 Pd 44 23.20 -0.4
 TIC 71.33 71 P 44 25.10 0.1
 KIC 71.41 72 Pd 44 25.20 -0.3
 ALO 72.41 329 eP 44 32.70 1.4
 ANMO 72.42 329 P 44 32.50 1.2
 GOL 75.94 332 P 44 52.50 0.9
 TNP 80.16 324 P 45 15.50 0.8
 WRA 126.29 208 PKP 52 06.00 -1.0
 GBA 145.80 109 PKPc 52 43.30 0.4

S.D. = 1.4 on 24 of 25 obs.

* JUN 13, 1991 11h 45m 07.80±0.81s
 18.167 S ± 8.2km 168.481 E ±14.6km
 DEPTH = 56.4km (2 depth phases)
 4.0mb (5 obs.)

VANUATU ISLANDS (186)

PVC 0.45 339 iPc 45 18.10 -1.0
 BKM 0.55 335 iPc 45 19.00 -1.1
 DZM 4.33 206 iPc 46 10.00 -2.7
 SGE 9.01 88 eP 47 35.00 17.0X
 VSG 12.29 315 eP 48 02.00 -0.4
 SVO 12.29 316 eP 48 02.00 -0.4
 RMO 20.02 242 iPd 49 40.00 1.2

0.7s 30.00nm 4.7mb
 QLP 23.90 245 eP 50 19.00 1.6
 BWA 24.13 224 eP 50 18.70 -0.9
 CAN 24.31 221 eP 50 22.50 1.2
 CMS 24.40 233 eP 50 22.00 -0.2
 STK 27.84 235 eP 50 53.90 -0.1
 1.0s 2.20nm 3.7mb

WB2 32.28 261 eP 51 09.60 66km
 WRA 32.29 261 P 51 34.00 0.4
 ASPA 32.71 254 eP 51 35.60 -1.6
 SPA 71.95 180 eP 56 40.00 12.9X
 CHTO 77.55 295 P 57 01.20 1.4
 YAK 85.62 343 eP 57 41.20 0.2
 BBL 132.23 85 ePKP 04 30.80 12.9X
 OHR 144.11 316 ePKP 04 37.50 -1.5
 VBY 144.81 327 ePKP 04 40.00 0.0
 FVI 145.28 330 PKP 04 39.60 -1.1
 WTTA 145.32 332 iPKPc 04 40.40 -0.7
 1.2s 32.90nm

CDF 146.18 337 ePKP 04 43.30 0.9
 BSF 146.84 337 ePKP 04 45.10 1.6
 HAU 146.86 338 ePKP 04 45.20 1.8
 VAI 147.65 333 PKP 04 47.60 3.0X
 SFI 147.66 328 PKP 04 48.50 3.8X
 SGO 147.90 320 PKP 04 48.40 3.2X
 FLN 148.19 346 ePKP 04 48.50 3.1X
 LDF 148.27 346 ePKP 04 48.80 3.2X
 LOR 148.35 340 ePKP 04 49.40 3.6X
 SSF 148.64 340 ePKP 04 50.20 4.0X
 LPL 148.78 335 ePKP 04 51.00 4.2X
 LPG 148.79 335 ePKP 04 51.20 4.3X
 LPF 149.01 346 ePKP 04 51.10 4.4X
 BNI 149.19 334 PKP 04 52.80 5.5X
 BGF 149.30 340 ePKP 04 51.70 4.4X
 TCF 149.74 341 ePKP 04 53.00 5.0X
 SBF 149.82 332 ePKP 04 52.80 4.6X
 LSF 149.98 342 ePKP 04 53.30 5.0X
 PGF 150.09 329 ePKP 04 53.90 5.2X
 MFF 150.13 344 ePKP 04 53.80 5.3X
 FRF 150.40 333 ePKP 04 54.40 5.4X
 LRG 150.61 333 ePKP 04 55.20 5.9X
 LMR 150.64 333 ePKP 04 55.00 5.6X
 RJF 150.84 341 ePKP 04 55.40 5.8X

CAF 151.00 340 ePKP 04 56.10 6.2X
 LPO 151.50 341 ePKP 04 57.00 6.4X
 S.D. = 1.3 on 23 of 49 obs.

* JUN 13, 1991 11h 46m 40.62±4.94s
 14.966 N ±45.0km 97.843 W ±14.5km
 DEPTH = 33.0km (normal)
 OFF COAST OF OAXACA, MEXICO (67)
 Felt in the Chacahua Lagoon area.

OXX 2.36 27 iP 47 16.00 -2.1
 ACX 2.71 315 eP 47 22.00 -0.8

PBJ 2.76 58 iP 47 24.50 0.9
 III 3.73 336 eP 47 37.00 -0.5
 IISM 4.02 6 (P) 47 46.50 5.0X
 IIT 4.06 354 (P) 47 42.00 -0.2
 PPM 4.15 350 iP 47 45.00 1.3
 TPM 4.16 344 (P) 47 45.00 1.4
 TAC 4.60 344 (P) 48 15.00 25.1X
 MRX 5.69 326 (P) 48 27.00 21.9X
 S.D. = 1.6 on 7 of 10 obs.

* JUN 13, 1991 12h 04m 03.08±4.92s
 17.096 N ±36.2km 61.222 W ±32.2km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)

BPA 0.61 265 eP 04 15.27 0.0
 SEG 0.74 202 eP 04 16.71 -0.4
 DEG 0.79 169 eP 04 17.88 0.0
 PAG 1.15 203 eP 04 23.30 0.3
 S.D. = 0.5 on 4 of 4 obs.

* JUN 13, 1991 12h 30m 40.97±1.14s
 37.886 N ±18.2km 70.628 E ±10.4km
 DEPTH = 33.0km (normal)
 4.2mb (2 obs.)

AFGHANISTAN-USSR BORDER REGION (717)

QUE 8.26 203 eP 32 43.40 1.8
 MAIO 9.04 263 ePn 32 50.00 -2.2
 NDI 10.70 147 eP 33 18.00 3.0X
 GKN 15.33 126 P 34 16.74 0.1
 KKN 15.89 125 P 34 22.76 -1.2
 DMN 15.90 126 P 34 24.34 0.2
 PKI 16.12 125 P 34 27.04 0.0
 GUN 16.20 123 P 34 27.60 -0.4
 HFS 41.80 321 eP 38 30.30 1.6
 NAO 43.27 322 P 38 45.20 4.5X
 S.D. = 1.6 on 8 of 10 obs.

* JUN 13, 1991 12h 34m 40.84±1.09s
 16.487 N ±10.9km 61.324 W ±12.9km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)
 ML 2.0 (FDF).

DEG 0.31 124 iPc 34 48.68 -0.1
 MGG 0.57 179 eP 34 52.50 0.1
 PAG 0.57 217 eP 34 52.40 -0.1
 BPA 0.75 317 eP 34 55.08 0.0
 S.D. = 0.2 on 4 of 4 obs.

* JUN 13, 1991 12h 36m 55.70s
 40.442 N 124.922 W
 DEPTH = 11.0km
 NEAR COAST OF NORTHERN CALIF. (35)
 <BRK>. ML 3.4 (BRK).

FOX 0.71 83 iPc 37 09.84 0.2
 FHC 0.80 63 iPc 37 10.63 -0.5
 WDC 1.82 85 eP 37 25.42 -1.8
 LBFM 2.47 68 eP 37 35.50 -1.2
 MIN 2.54 91 ePc 37 35.32 -2.3
 ORV 2.77 108 eP 37 37.78 -3.1
 ZSP 3.24 139 eP 37 44.12 -3.3
 PCC 3.54 145 iPd 37 47.54 -4.2

13d 12h

ARN 4.07 138 eP 37 55.00 -4.2
GCC 4.10 145 iP 37 55.12 -4.5
SAO 4.57 142 eP 38 01.26 -5.1
FRI 5.34 129 iPd 38 15.15 -2.1
12 obs. associated

% JUN 13, 1991 12h 40m 20.52± 0.52s
40.447 N ± 5.6km 28.678 E ± 4.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

MD 3.0 (ISK).

BNT 0.59 261 iPg 40 31.80 -0.6
CTT 0.85 65 iPn 59 15.80 -0.6
EZN 1.27 221 iPn 59 23.20 -0.3
IZI 1.64 105 ePn 59 29.80 0.8
HRT 1.72 88 ePn 59 30.00 -0.1
DIM 1.89 312 ePg 59 35.00 2.5X
S.D. = 0.5 on 8 af 9 abs.

ISK 0.68 25 ePg 40 34.00 0.0
CTT 0.72 345 iPg 40 35.30 0.5
HRT 0.84 63 iPg 40 48.50 11.7X
DST 0.84 183 iPn 40 37.90 1.1
KGT 1.05 271 iPn 40 40.80 0.5
EYL 1.13 84 iPn 40 41.80 0.0
ALT 1.78 141 ePn 40 51.00 -0.6
KHL 2.22 163 ePn 41 05.00 7.0X
S.D. = 0.7 on 9 af 11 abs.

? JUN 13, 1991 13h 28m 36.36± 1.06s
39.113 N ± 9.1km 27.607 E ± 10.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

MD 2.5 (ISK).

IZM 0.76 201 ePg 28 51.00 -0.3
DST 0.93 58 ePn 28 54.90 0.7
EZN 1.22 306 ePn 28 59.70 0.6
BNT 1.27 11 ePn 28 58.80 -1.1
S.D. = 1.5 on 4 of 4 abs.

JUN 13, 1991 13h 44m 15.94± 0.78s
38.550 N ± 7.5km 21.484 E ± 6.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)

MD 3.1 (ATH).

VLS 0.80 242 ePn 44 30.50 -0.9
AGG 0.81 54 ePd 44 30.70 -1.0
IGT 1.33 318 ePc 44 40.06 -0.4
LIT 1.73 26 ePc 44 45.66 -0.6
KEK 1.75 312 ePb 44 46.70 0.2
KZN 1.77 7 ePn 44 47.00 0.2
VLI 2.16 147 ePn 44 54.00 1.5
PAIG 2.19 50 ePc 44 51.10 -1.8
FNA 2.23 358 iPd 44 55.14 1.6
SOH 2.69 32 iPc 45 00.86 0.8
VAY 2.89 16 eP 45 02.00 -0.8
SKO 3.42 359 eP 45 12.20 1.9
CZI 4.23 281 P 45 21.30 -0.5
S.D. = 1.2 on 13 af 13 abs.

? JUN 13, 1991 14h 11m 38.48± 1.89s
43.078 N ± 12.7km 0.368 W ± 16.1km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)

MD 1.0 (STR).

JAU 0.04 181 Pg 11 40.71 0.0
OGE 0.12 320 Pg 11 41.44 0.0
ESCF 0.15 270 Pg 11 41.94 -0.1
MADF 0.34 282 Pg 11 45.58 0.1
S.D. = 0.2 on 4 of 4 abs.

JUN 13, 1991 14h 58m 59.93± 0.78s
40.791 N ± 7.5km 27.403 E ± 5.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)

MD 3.1 (ISK).

MFT 0.09 267 iPg 59 03.00 0.4
KGT 0.35 193 iPg 59 06.80 -0.3
EDC 0.57 142 iPg 59 11.50 0.1
BNT 0.59 138 iPg 59 11.80 0.0
CTT 0.85 65 iPn 59 15.80 -0.6
EZN 1.27 221 iPn 59 23.20 -0.3
IZI 1.64 105 ePn 59 29.80 0.8
HRT 1.72 88 ePn 59 30.00 -0.1
DIM 1.89 312 ePg 59 35.00 2.5X
S.D. = 0.5 on 8 af 9 abs.

JUN 13, 1991 15h 49m 25.12± 0.19s
44.540 N ± 1.5km 7.084 E ± 2.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 3.1 (LDG).

PZZ 0.04 160 P 49 27.35 0.0
DOI 0.12 107 Pd 49 28.80 0.6
BHB 0.33 23 P 49 32.18 0.3
STV 0.34 150 P 49 32.06 -0.2
ENR 0.40 142 P 49 33.05 -0.2
RRL 0.44 331 P 49 33.60 -0.5
TOUF 0.54 167 Pg 49 35.72 -0.4
BNI 0.59 331 Pd 49 36.40 -0.8
AUTN 0.60 155 Pg 49 37.12 -0.2
ROB 0.61 113 P 49 37.80 0.2
RSP 0.62 11 P 49 37.61 -0.2
MVIF 0.65 176 Pg 49 37.72 -0.4
SAOF 0.65 148 Pg 49 37.85 -0.3
AURF 0.68 165 Pg 49 38.24 -0.4
SBF 0.72 159 Pg 49 39.20 -0.2
CALN 0.80 190 Pg 49 40.23 -0.5
REVF 0.83 166 Pg 49 41.44 0.3
IMI 0.86 137 P 49 41.81 0.2
CKI 0.86 97 P 49 42.40 0.7
FIN 0.87 112 P 49 42.22 0.3
LSD 0.92 3 P 49 42.98 0.1
LPG 0.99 346 Pg 49 43.80 -0.2
LPL 1.01 346 Pg 49 44.20 -0.2
FRF 1.03 198 Pg 49 44.40 -0.2
PCP 1.04 89 P 49 45.29 0.4
LRG 1.20 206 Pg 49 48.20 0.7
ORX 1.26 30 P 49 47.20 -1.5
LMR 1.27 199 Pn 49 48.60 -0.2
CDR 1.28 228 ePg 49 49.40 0.5
PGF 2.43 144 Pn 50 05.50 -0.1
SMF 3.10 314 Pn 50 15.60 0.6
AVF 3.45 312 Pn 50 20.80 0.8
HAU 3.50 352 Pn 50 21.30 0.6
BGF 3.60 306 Pn 50 22.30 0.2
S.D. = 0.5 on 34 of 34 obs.

JUN 13, 1991 16h 26m 57.30± 0.83s
52.625 N ± 13.3km 160.560 E ± 14.5km
DEPTH = 33.0km (normal)
4.8mb (19 obs.) 4.2Ms (2 obs.)
OFF EAST COAST OF KAMCHATKA (219)

JUN 13, 1991 17h 18m 45.98± 0.13s
19.950 S ± 3.2km 175.717 W ± 2.8km
DEPTH = 215.3km (10 depth phases)
5.5mb (72 obs.)
TONGA ISLANDS (173)
Ma=1.3*10**18 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 17:18:52.1 0.3
Lat 19.72S 0.03 Lon 175.61W 0.04
Dep 205.0 1.4 Half-duration 3.3
Moment Tensor; Scale 10**17 Nm
Mrr=-1.16 0.18 Mtt=0.21 0.28
Mff=0.95 0.28 Mrt=-2.10 0.18
Mrf=-7.05 0.17 Mtf=1.25 0.24
Principal Axes:
T Val= 7.74 Ptg=39 Azm=112
N -0.42 6 17

MDJ 21.85 261 eP 31 47.50 -1.0
MAT 22.48 233 eP 31 56.00 1.1
CN2 24.79 263 eP 32 16.00 -1.3
Z 18s 0.70um 4.2MsZ
INK 34.07 37 eP 33 37.00 -3.1
NJ2 36.38 252 Pc 34 01.00 0.9
MBC 37.36 23 eP 34 08.50 0.6
GTA 42.94 277 eP 34 56.00 1.4
WMO 47.39 290 P 35 30.00 -0.1
Z 16s 0.30um 4.3MsZ
KEY 53.35 342 eP 36 14.00 -0.9
SOD 55.44 340 iP 36 30.00 -0.3
FRB 57.83 23 eP 36 46.00 -1.3
CHG 58.09 259 ePc 36 50.10 0.4
GUN 59.23 277 P 36 57.50 -0.5
KKN 59.68 277 P 36 59.40 -1.5
PKI 59.76 277 P 37 00.60 -1.0
GKN 59.91 278 P 37 01.30 -1.2
DMN 59.91 277 P 37 01.88 -0.7
KAF 60.03 337 eP 37 02.30 -0.3
NUR 61.82 337 eP 37 14.80 0.0
OBN 63.07 328 iPd 37 23.20 0.1
NAO 64.34 344 P 37 30.40 -1.0
HFS 64.48 342 eP 37 31.50 -0.8
HYB 71.53 275 eP 38 16.00 -0.9
KSP 72.59 337 eP 38 23.00 0.4
CLL 72.89 339 iP 38 26.10 1.7
BRG 73.10 339 e(P) 38 27.40 1.8
PRU 73.79 338 eP 38 32.00 2.4X
MOX 73.81 340 eP 38 32.00 2.2X
GRF 74.80 340 eP 38 38.00 2.5X
KHC 74.81 338 P 38 44.50 8.8X
GBA 75.15 273 Pc 38 37.90 -0.1
WRA 75.78 205 P 38 41.00 -0.4
AVF 79.06 344 eP 39 00.50 1.2
SMF 79.12 344 eP 39 00.80 1.2
ASPA 79.45 205 iPd 39 02.50 0.9
LPL 79.69 342 eP 39 05.00 2.0
LPG 79.70 342 eP 39 05.10 1.9
OHR 80.35 330 eP 39 07.20 0.8
S.D. = 1.2 on 34 af 38 abs.

JUN 13, 1991 17h 18m 45.98± 0.13s
19.950 S ± 3.2km 175.717 W ± 2.8km
DEPTH = 215.3km (10 depth phases)
5.5mb (72 obs.)
TONGA ISLANDS (173)
Ma=1.3*10**18 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 17:18:52.1 0.3
Lat 19.72S 0.03 Lon 175.61W 0.04
Dep 205.0 1.4 Half-duration 3.3
Moment Tensor; Scale 10**17 Nm
Mrr=-1.16 0.18 Mtt=0.21 0.28
Mff=0.95 0.28 Mrt=-2.10 0.18
Mrf=-7.05 0.17 Mtf=1.25 0.24
Principal Axes:
T Val= 7.74 Ptg=39 Azm=112
N -0.42 6 17

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Mrf=-7.05 0.17 Mtf=1.25 0.24
Principal Axes:
T Val= 7.74 Ptg=39 Azm=112
N -0.42 6 17

P -7.32 50 280
Best Double Couple: Mo=7.5*10**17
NP1: Strike=247 Dip= 8 Slip= -40
NP2: 17 85 -96

KRO	5.33	299	iPc	20	05.80	0.2
OVA	5.67	292	eP	20	11.30	1.3
NDE	5.78	305	iPc	20	11.50	0.0
SVU	5.80	287	ePc	20	13.80	2.2
VUN	5.84	288	ePc	20	13.70	1.6
MBU	6.05	298	eP	20	15.30	0.4
SGE	6.47	290	eP	20	22.80	2.5
AFI	7.09	33	eP	20	19.00	-9.3X
			eS	21	27.00	
RAR	14.98	98	P	22	07.00	-1.6
PVC	15.28	276	iPc	22	16.30	4.1X
BKM	15.36	276	iPc	22	17.30	4.1X
DZM	16.79	260	iPc	22	31.90	1.4
			iS	25	40.70	
HBZ	18.34	195	eP	22	46.70	-0.1
PUZ	18.80	195	P	22	51.70	0.1
			S	26	05.20	
WLZ	19.37	201	eP	22	59.80	2.5
NOZ	19.37	195	eP	22	57.60	0.3
WHH	20.03	198	P	23	02.50	-1.6
NGZ	20.57	200	eP	23	08.30	-1.3
CNZ	20.61	200	P	23	08.80	-1.1
MNG	21.93	198	eP	23	20.20	-2.4
			eS	27	07.60	
MTW	22.43	198	eP	23	27.00	-0.4
CAW	22.51	198	P	23	27.70	-0.5
DIW	22.59	201	P	23	27.80	-1.2
WDW	22.68	198	P	23	29.50	-0.3
MRW	22.73	199	P	23	29.40	-0.9
WEL	22.76	199	P	23	30.00	-0.6
			S	27	30.00	
			ScS	34	24.00	
TCW	22.85	200	P	23	30.60	-0.9
THZ	23.79	201	eP	23	41.20	0.6
KHZ	24.17	200	P	23	44.80	0.8
TBI	24.63	103	iP	23	48.30	0.0
	0.9s		80.00nm			5.3mb
AFR	24.67	89	iP	23	47.40	-1.4
	1.0s		250.00nm			5.8mb
PAE	24.84	89	iP	23	49.20	-1.1
	1.0s		275.00nm			5.8mb
PPT	24.86	89	iP	23	49.70	-0.8
	1.0s		545.00nm			6.1mb
LTZ	24.91	201	P	23	50.60	-0.3
PPN	25.00	89	iP	23	50.70	-1.1
	1.0s		165.00nm			5.6mb
TVO	25.13	89	iP	23	52.70	-0.4
	1.0s		265.00nm			5.8mb
HNR	25.72	290	eP	23	58.00	-0.5
SVO	25.96	291	eP	24	06.00	5.3X
VSG	26.01	291	eP	24	01.00	-0.1
PMO	26.97	84	iP	24	08.20	-1.5
	1.0s		305.00nm			6.0mb
VAH	27.16	85	iP	24	09.60	-1.9
	1.0s		130.00nm			5.6mb
TPT	27.23	84	iP	24	10.50	-1.6
	1.0s		240.00nm			5.8mb
RUV	27.40	85	iP	24	11.80	-1.8
	1.0s		180.00nm			5.7mb
MHZ	27.96	203	P	24	17.70	-0.9
TLC	28.15	203	eP	24	19.80	-0.5
MSZ	28.16	205	eP	24	21.30	1.1
BRS	29.73	250	iPd	24	32.80	-1.6
			i(pP)	25	10.00	180kmX
			eS	29	15.00	
COO	31.05	244	iPc	24	46.00	0.1
	0.2s		12.00nm			5.2mb
RMO	33.22	252	iPd	25	05.00	0.3
	0.6s		201.00nm			5.9mb
			i	25	19.50	
			i	31	13.50	
CNB	34.31	236	iPc	25	14.50	0.5
	0.2s		40.00nm			5.7mb
CAN	34.60	236	eP	25	16.50	0.1
BWA	34.81	238	eP	25	15.90	-2.3
CMS	36.33	244	iPd	25	30.90	0.0
	0.3s		21.00nm			5.2mb
OLP	37.27	252	eP	25	39.00	0.2
	0.6s		451.00nm			6.2mb
			i	31	27.00	
PMG	37.33	281	iPd	25	39.00	-0.5
	1.0s		900.00nm			6.3mb

RKT	37.95	102	iP	25	44.80	0.3
	1.1s		295.00nm			5.8mb
TOO	37.95	234	iPd	25	45.00	0.5
	0.4s		82.00nm			5.7mb
LAT	38.50	285	eP	25	49.70	0.5
TAU	38.52	225	iPc	25	49.80	0.7
STK	39.96	244	iPd	26	01.00	0.0
	0.9s		20.70nm			4.6mb
			eP	26	47.70	221km
			eScP	31	35.20	
			eS	31	49.50	
			eScS	35	49.00	
BFD	40.12	236	eP	26	03.00	0.8
MNDI	41.75	284	eP	26	17.00	0.9
OIS	41.82	261	iPd	26	15.50	-0.9
	0.4s		33.00nm			5.2mb
ADE	42.75	240	eP	26	23.10	-0.7
	0.6s		66.67nm			5.3mb
ASPA	46.73	256	iPd	26	54.70	-0.9
	0.7s		518.20nm			6.0mb
			eP	27	42.00	218km
			i	28	53.00	
			iS	33	27.80	
			eScS	36	30.20	
WB2	46.79	261	iPc	26	54.70	-1.3
	0.7s		271.30nm			5.8mb
WRA	46.80	261	P	27	05.00	8.9X
	0.4s		46.00nm			5.2mb
GUA	51.07	308	eP	27	27.80	-0.9
	0.8s		549.25nm			6.1mb
GUMO	51.13	308	eP	27	28.20	-1.0
	0.8s		310.40nm			5.9mb
			(pP)	29	33.00	727kmX
PJG	51.13	308	eP	27	28.00	-1.2
MTN	51.31	269	eP	27	29.00	-1.6
	0.4s		308.00nm			6.2mb
FORR	51.44	246	eP	27	30.10	-1.3
	0.5s		141.00nm			5.8mb
KNA	52.82	265	eP	27	40.20	-1.5
	0.6s		346.00nm			6.1mb
WARB	53.04	252	eP	27	41.50	-1.7
	0.4s		42.00nm			5.4mb
AAI	56.95	279	eP	28	10.50	-0.9
COOL	57.41	246	eP	28	12.80	-1.7
	0.3s		6.00nm			4.8mb
SBA	58.57	184	iP	28	25.20	3.4X
			iS	36	22.40	
KLB	60.22	244	eP	28	32.30	-1.5
	0.3s		19.00nm			5.3mb
NWAO	60.53	243	eP	28	35.00	-0.9
RKG	60.56	241	eP	28	35.00	-1.1
BAL	61.24	245	eP	28	39.20	-1.5
	0.6s		34.00nm			5.2mb
MUN	61.49	244	eP	28	51.20	8.8X
	0.5s		122.00nm			5.9mb
MNI	61.99	283	eP	28	35.00	-10.8X
MRWA	62.03	247	eP	28	44.50	-1.5
	0.4s		9.00nm			4.9mb
NANU	63.61	254	iPd	28	55.90	-0.5
DAV	63.68	289	eP	28	52.00	-4.9X
MKS	64.57	274	ePd	28	03.50	0.8
CSY	65.38	205	iPc	29	08.60	1.6
	0.7s		29.20nm			5.2mb
TSM	69.29	283	ePd	29	35.50	3.3X
KAKJ	69.71	323	P	29	33.10	-1.2
SPA	70.17	180	iPc	29	39.50	2.5
	1.3s		85.83nm			5.3mb
TRT	70.20	269	ePc	29	37.10	-0.7
	1.5s		105.00nm			5.3mb
CHJJ	70.27	322	P	29	36.40	-1.3
IIDJ	70.50	321	P	29	38.10	-1.1
OFUJ	70.98	326	eP	29	40.70	-1.2
MAT	71.06	322	eP	29	40.00	-2.5
			eS	38	28.00	
NIJJ	71.10	323	P	29	41.60	-1.1
YAMJ	71.19	324	eP	29	42.40	-0.8
MTMJ	71.33	322	P	29	43.10	-1.1
ADK	71.53	359	eP	29	43.20	-1.6
	0.9s		29.17nm			5.0mb
TSRJ	71.69	320	P	29	45.50	-0.7
BAG	72.26	295	eP	29	48.00	-2.1
KUSJ	72.53	331	eP	29	50.00	-0.9
HOOJ	72.65	329	eP	29	51.60	0.0
AOMJ	72.74	326	eP	29	53.10	0.9
SMY	72.91	354	eP	29	51.20	-1.7
	0.9s		55.56nm			5.3mb
MRRJ	73.76	328	eP	29	57.60	-0.5

ASAJ	74.27	330	eP	30	01.60	0.6
SYP	75.76	45	eP	30	11.00	1.1
PRS	75.95	43	eP	30	11.30	0.5
GCC	75.99	42	eP	30	11.30	0.4
PCC	76.04	41	eP	30	11.30	0.1
BCH	76.09	44	P	30	11.80	0.1
			pP	31	00.50	203kmX
SDN	76.10	9	eP	30	10.80	-0.3
SAO	76.17	42	eP	30	12.30	0.3
PHAM	76.27	43	P	30	12.40	-0.2
PR1	76.29	43	eP	30	13.50	0.7
BRK	76.35	41	eP	30	13.80	0.9
BKS	76.37	41	iPd	30	13.80	0.8
	0.9s		91.00nm			5.5mb
LLA	76.40	43	eP	30	13.70	0.5
MHC	76.41	42	ePc	30	14.50	1.1
ARN	76.48	42	P	30	14.00	0.3
PAS	76.75	46	eP	30	15.00	-0.2
MWC	76.87	46	eP	30	16.00	-0.1
BAR	76.95	48	eP	30	16.00	-0.4
PLM	77.19	47	iP+	30	18.00	0.1
FHC	77.20	38	eP	30	18.30	0.7
RVR	77.20	46	eP	30	18.00	0.3
PEC	77.29	47	P	30	18.00	-0.3
SBB	77.30	46	iP+	30	18.00	-0.3
FRI	77.41	43	eP	30	18.80	0.0
ISA	77.43	45	iP+	30	19.00	0.0
CMB	77.62	42	iPc	30	20.00	0.0
ORV	77.87	40	eP	30	21.20	-0.1
WDC	77.90	39	iPc	30	21.70	0.3
OZH	77.92	302	iPd	30	21.50	-0.3
	1.0s		50.00nm			5.2mb
			S	39	59.00	
TPC	78.18	47	iP+	30	23.00	-0.1
GSC	78.33	46	eP	30	24.00	0.0
GLA	78.45	48	eP	30	25.00	0.4
LBFM	78.76	38	P	30	26.20	-0.2
BONR	78.89	43	P	30	27.00	-0.2
SSE	79.00	309	Pc	30	25.00	-2.5
	1.0s		37.00nm			5.1mb
Z	20s		0.50um			4.8MsZ
			sP	31	36.00	
			ScS	40	24.00	
TNP	79.65	43	P	30	31.00	-0.2
	0.8s		38.24nm			5.2mb
			pP	31	20.00	202kmX
KDC						

13d 17h

			pP	31	44.00	207km	CD2	92.31	302	eP	31	34.80	1.7	BRG	148.21	348	ePKP	38	06.20	2.2			
PMR	84.00	12	P	30	51.80	-1.0				SKS	41	46.50			2.0s	120.00nm							
	1.0s					4.9mb	YAK	92.40	337	iPd	31	31.40	-1.3				i	39	02.80				
			pP	31	43.00	210km				ipP	32	40.00	285kmX				e	48	44.00				
TTA	84.05	9	P	30	52.70	-0.4				iPP	35	07.00		VR1	148.23	330	ePKPd	38	07.00	2.8X			
	1.1s					5.1mb				iS	41	44.00		TLB	148.49	327	ePKP	38	10.00	5.4X			
TIA	84.50	312	Pd	30	55.80	-0.1				eScS	42	10.00		CVO	148.52	330	ePKP	38	09.00	4.3X			
	5.0s					5.8mb X				ePS	43	18.00		MOX	148.82	351	iPKP	38	09.80	4.8X			
			pP	31	43.00	192kmX				esS	43	44.00			1.5s	38.00nm							
			sP	32	08.00		INK	93.20	14	eP	31	35.50	-0.7	CSTJ	148.84	297	PKPd	38	10.87	5.2X			
			S	41	00.00					pP	32	28.00	213km	MLR	148.88	330	ePKP	38	09.00	3.6X			
			sS	42	34.00		TUL	93.69	53	ePc	31	39.30	0.0				e	06	50.00				
TPM	84.50	68	(P)	30	58.00	1.6				1.2s	44.90nm	5.5mb	BHL	148.91	303	PKP	38	09.00	3.2X				
KLU	84.60	14	P	30	54.50	-1.4	NNA	94.13	104	eP	31	43.40	1.6	PRU	148.93	347	PKPd	38	09.80	4.7X			
PNT	85.02	33	iP	30	59.00	0.9				0.8s	7.46nm	4.9mb			1.3s	30.70nm							
	1.0s					5.3mb	LZH	94.15	307	eP	31	42.00	0.4				e	39	05.00				
TOA	85.09	13	eP	30	59.20	0.9				1.4s	140.00nm	5.9mb					e	40	09.50				
			epP	31	52.10	217km	Z	17s		0.29um		4.8MsZ		PSN	149.03	325	ePKP	38	18.00	12.5X			
IPM	85.23	277	ePd	31	05.00	5.0X				pP	32	30.00	193kmX	HR1	149.03	302	ePKP	38	10.90	4.9X			
	0.9s					5.7mb				PP	35	30.00		HOF	149.11	351	iPKPc	38	10.40	5.0X			
ALQ	85.39	50	iPc	31	01.40	0.8				SKS	41	56.00		ENN	149.22	358	ePKP	38	10.50	5.0X			
	1.1s					5.5mb				S	42	31.00			0.9s	22.00nm							
			epP	31	50.00	198kmX	YKA	95.13	24	eP	31	44.80	-0.4				e	39	05.00				
ANMO	85.40	50	P	31	01.50	0.9				0.9s	6.60nm	4.9mb	SALJ	149.44	299	PKP	38	09.04	2.5				
	1.0s					5.4mb	GTA	98.29	309	eP	32	00.00	-0.2	CMP	149.47	330	ePKPc	38	12.00	5.8X			
			pP	31	50.00	197kmX				1.6s	30.00nm	5.5mb	BUC1	149.67	328	iPKPc	38	11.00	4.6X				
NEW	85.69	35	P	31	01.20	-0.3				Z	17s	0.40um	5.0MsZ	JVI	149.73	299	ePKP	38	12.60	5.6X			
	1.0s					5.1mb	N	22s		1.40um				GRF	149.81	351	ePKP	38	12.10	5.6X			
			pP	31	51.00	203kmX				SKS	42	17.00			Z	19s	0.10um		4.6MsZ				
SNG	86.51	279	eP	31	07.80	1.6	FVM	98.44	53	P	32	01.00	0.2	EYL	149.83	319	ePKP	38	12.80	5.8X			
			e	39	28.00		CNCB	100.20	112	Pdiff	32	13.00	3.0X	KHC	149.94	348	PKP	38	16.00	9.2X			
LRM	86.93	39	eP	31	08.10	0.2				i	36	19.00			1.1s	29.30nm							
BJI	87.02	314	eP	31	08.50	0.4	LPB	100.21	112	Pdiff	32	14.00	4.2X				i	38	20.80				
	2.0s					6.0mb	ZOBO	100.29	111	Pdiffc	32	12.20	1.8				e	39	14.50				
			epP	32	02.00	219km				1.2s	10.14nm	5.2mb	SRO	149.96	341	ePKP	38	11.80	5.1X				
			eSKS	41	16.00		Z	19s		0.28um		4.8MsZ	ZST	149.97	343	ePKP	38	12.10	5.3X				
BW06	87.11	42	P	31	08.00	-0.8				LR	42	42.00					e	39	04.80				
	0.9s					4.5mb	MBC	101.80	12	ePdiff	32	28.50	13.5X	VKA	150.12	344	ePKP	38	12.00	5.0X			
			7.77nm						1.0s	4.00nm						i	38	14.40					
FBA	87.26	12	ePd	31	08.30	-0.4				GUN	106.24	294	PKP	36	46.40	-0.7	CSS	150.34	306	ePKP	38	13.50	5.7X
			epP	32	00.10	211km	SIV	106.52	114	ePdiff	32	39.00	1.6	RMN	150.69	297	ePKP	38	14.70	6.2X			
IMA	87.36	9	ePd	31	09.50	0.1	SIV	106.52	114	(PKP)	36	52.00	4.5X	PVL	150.84	327	ePKP	38	14.00	5.8X			
			epP	32	02.30	215km	PKI	106.56	294	PKP	36	47.56	-0.1	KMR	150.85	346	iPKP-	38	13.40	5.3X			
GYA	88.25	299	Pd	31	15.00	0.5	KKN	106.72	294	PKP	36	48.64	0.8				ipPKP	39	11.50				
	4.0s					5.7mb X	DMN	106.83	294	PKP	36	49.38	1.3	GWF	150.92	355	PKP	38	14.85	6.6X			
			sP	32	25.00		GKN	107.32	294	PKP	36	54.30	5.4X	FLN	151.00	7	ePKP	38	14.20	5.9X			
GOL	88.38	47	P	31	15.00	0.0	QUE	122.93	294	ePKP	37	19.40	0.8		0.8s	57.75nm							
	0.9s					5.0mb	KEV	128.32	350	ePKP	37	28.00	0.5		Z	22s	0.13um		4.7MsZ				
TIY	88.52	311	Pd	31	15.80	0.4	MA10	129.31	301	ePKP	37	31.00	0.4	PPCY	151.11	307	e(PKP)	38	14.00	5.1X			
	5.0s					5.8mb X				i	39	40.00		LDF	151.20	6	ePKP	38	14.60	6.0X			
			pP	32	12.00	230kmX				SOD	130.50	349	ePKP	37	32.00	0.2		0.8s	25.50nm				
			sP	32	28.00		KAF	135.19	346	ePKP	37	40.90	0.1	FUR	151.29	350	iPKPd	38	15.50	6.7X			
			PP	34	44.00		NUR	136.98	345	ePKP	37	45.30	1.1	GRR	151.33	7	ePKP	38	15.10	6.3X			
NNT	89.21	284	eP	31	19.70	0.7				0.4s	6.30nm				0.6s	30.65nm							
NVL	89.37	182	ePc	31	20.00	1.2	OBN	137.26	333	ePKP	37	45.00	0.1	MFT	151.43	322	ePKP	38	16.00	6.7X			
			e	31	31.00					e	38	40.00		KHL	151.49	315	ePKP	38	15.00	5.5X			
			e	31	32.00					e	39	34.00		WLS	151.50	356	PKP	38	16.05	6.9X			
			eS	32	14.00					i	40	27.00		CDF	151.50	356	PKP	38	16.11	6.9X			
			eScS	41	51.00					i	41	00.00		KGT	151.63	321	ePKP	38	17.00	7.5X			
			ePS	42	21.00					e	41	36.00		LPF	151.66	8	ePKP	38	15.80	6.5X			
			e	43	22.00					e	42	34.00			0.8s	69.85nm							
NST	89.92	287	eP	31	25.50	3.3X				e	58	12.00		ECH	151.71	356	PKP	38	16.16	6.8X			
SES	90.17	35	ePc	31	22.00	-0.8	HFS	139.30	353	ePKP	37	38.20	-10.3X	VITF	151.77	358	PKP	38	16.57	7.1X			
	1.3s					5.8mb				0.4s	3.10nm		KDZ	151.90	325	ePKP	38	17.00	7.1X				
			pP	31	38.00	55kmX	EKA	144.23	7	PKPc	37	55.20	-2.1	KBA	151.95	347	i(PKP)	38	16.40	6.4X			
			P	31	25.60	0.9				0.8s	15.10nm			0.8s	45.60nm								
HHC	90.52	314	P	31	25.60	0.9	AAE	144.97	257	ePKP	38	02.80	2.6	HAU	151.96	357	ePKP	38	16.80	7.0X			
	5.0s					5.7mb X	DMU	145.04	12	ePKP	37	58.30	-0.4		0.8s	26.85nm							
			sP	32	38.00					0.8s	51.00nm			Z	20s	0.10um		4.6MsZ					
KHT	91.01	285	eP	31	30.50	3.2X	DCN	145.49	12	ePKP	37	59.80	0.3	FEL	151.98	355	PKP	38	17.15	7.2X			
KMI	91.02	296	iPd	31	29.00	1.5	KAS	147.10	317	ePKP	38	06.50	3.9X	WATA	152.04	349	iPKPd	38	16.70	6.6X			
	2.5s					6.0mb	WJT	147.15	357	ePKP	38	05.00	2.8X		0.4s	31.70nm							
			sP	32	39.50		KRA	147.48	341	ePKP	38	04.70	1.9	ELL	152.04	312	iPKP	38	17.40	7.0X			
SAN	91.04	126	eP	31	29.00	1.7				i	38	06.70		WTTA	152.10	349	iPKPd	38	17.10	6.9X			
PCH	91.09	126	eP	31	29.00	1.4				i	38	08.70			0.4s	45.20nm							
PEL	91.15	126	iPc	31	30.00	2.1				i	38	08.70					i	38	18.20				
	1.0s					5.7mb	KSP	147.74	346	ePKP	38	03.50	0.3				i	38	26.50				
			eP	31	27.50	-0.1				i	38	07.50					i	39	09.20				
MEO	91.16	53	iPc	31	28.00	-0.3				i	39	00.00					i	39	12.60				
RSSD	91.28	43	P	31	28.00	-0.3	WTS	147.96	357	ePKP	38	07.00	3.5X	BSF	152.11	356	ePKP	38	17.00	6.9X			
	0.9s					5.6mb				1.0s	84.00nm			0.5s	12.40nm								
BTO	91.47	313	P	31	30.00	1.0	CLL	147.96	350	iPKPd	38	07.30	3.8X	SQTA	152.22	350	iPKPd	38	17.10	6.8X			
			PP	35	08.50					e	39	02.00			0.7s	22.70nm							
			SKS	41	41.50</																		

FVI 152.53 347 PKP 38 18.50 8.0X
 LOMF 152.59 356 PKP 38 18.38 7.6X
 EZN 152.61 321 ePKP 38 18.20 7.3X
 LJU 152.64 344 e(PKP) 38 12.50 1.7
 LOR 152.75 1 ePKP 38 18.50 7.6X
 Z 0.8s 17.45nm 4.6msz
 20s 0.10um
 VOY 152.81 345 ePKP 38 11.80 0.7
 MMB 152.84 327 ePKP 38 18.00 6.8X
 IZM 152.91 318 ePKP 38 19.00 7.5X
 VBY 152.95 343 ePKP 38 13.00 1.8
 i 38 19.50
 e 38 29.90
 e 39 12.70
 SSF 152.95 1 ePKP 38 19.20 8.0X
 0.6s 11.70nm
 CEY 152.95 344 e(PKP) 38 11.50 0.2
 e 38 19.00
 YER 152.96 314 ePKP 38 19.00 7.4X
 LBF 153.03 0 ePKP 38 19.10 7.8X
 1.0s 18.00nm
 TRI 153.14 345 ePKP 38 18.50 7.1X
 e 39 13.20
 AVF 153.22 1 ePKP 38 19.10 7.6X
 0.7s 7.70nm
 CTI 153.27 349 PKP 38 19.80 8.0X
 RIY 153.33 344 ePKP 38 19.50 7.8X
 SMF 153.37 1 ePKP 38 20.50 8.7X
 0.8s 9.40nm
 BGF 153.44 2 ePKP 38 19.90 8.0X
 0.5s 11.65nm
 HLW 153.61 297 ePKP 38 21.70 9.1X
 VAY 153.62 328 ePKP 38 21.30 9.0X
 LSF 153.67 4 ePKP 38 20.10 7.9X
 0.8s 13.45nm
 SKO 153.67 330 ePKP 38 13.50 1.2
 e 38 20.70
 TCF 153.68 3 ePKP 38 20.40 8.2X
 0.5s 4.35nm
 MAF 153.76 3 ePKP 38 20.90 8.6X
 0.4s 3.45nm
 VAI 153.89 353 PKP 38 20.60 8.2X
 OHR 154.64 330 ePKP 38 14.00 0.3
 LIC 163.63 145 PKP 38 25.46 0.9
 KIC 163.90 146 PKP 38 25.04 0.2
 LKO 165.93 136 PKP 38 27.12 0.5
 S.D. = 1.1 on 222 of 319 obs.

& JUN 13, 1991 17h 20m 48.72s
 54.107 N 161.387 W
 DEPTH = 25.0km
 ALASKA PENINSULA (12)
 <PAL>. MD 3.2 (PAL).

SDN 1.34 22 eP 21 10.50 -1.4
 1 obs. associated

JUN 13, 1991 18h 05m 00.23±0.76s
 39.022 N ± 4.6km 30.260 E ± 8.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.5 (ISK).

ALT 0.12 286 iPn 05 03.00 -0.3
 KHL 0.91 220 iPn 05 17.00 -0.6
 GPA 1.27 2 iPn 05 24.40 0.7
 DST 1.39 295 iPn 05 26.80 1.1
 IZI 1.45 335 ePn 05 26.80 0.3
 EYL 1.54 357 iPn 05 27.80 -0.1
 BCK 1.58 170 iPn 05 27.50 -0.9
 CIN 2.22 231 eP 05 41.00 3.4X
 ISK 2.24 336 ePn 05 37.00 -0.9
 BNT 2.24 307 ePn 05 37.70 -0.3
 EDC 2.27 306 ePn 05 37.00 -1.4
 ELL 2.29 187 ePn 05 39.90 1.2
 ITU 2.29 336 ePn 05 40.00 1.4
 iSg 06 12.00
 IZM 2.43 256 ePn 05 41.00 0.4
 CTT 2.54 327 ePn 05 40.80 -1.4
 KGT 2.69 303 ePn 05 44.30 0.0
 MFT 2.89 309 ePn 05 47.00 -0.2
 EZN 3.15 286 ePn 05 52.00 1.2
 KAS 3.57 48 eP 06 03.50 6.7X
 S.D. = 1.0 on 17 of 19 obs.

* JUN 13, 1991 18h 05m 39.21±0.73s
 30.921 N ± 7.0km 142.559 E ± 26.0km
 DEPTH = 33.0km (normal)
 4.7mb (5 obs.)
 SOUTH OF HONSHU, JAPAN (211)

MAT 6.67 328 eP 07 17.00 -0.5
 1.0s 16.00nm 4.8mb
 HOOJ 11.45 3 eP 08 23.40 0.0
 eS 08 27.00
 KUSJ 12.27 7 eP 08 33.60 -0.9
 ASAJ 13.17 0 eP 08 47.00 0.5
 WB2 51.18 190 iPd 14 41.60 0.2
 0.3s 5.40nm 5.0mb
 WRA 51.18 190 P 14 41.00 -0.4
 0.3s 4.00nm 4.9mb
 ASPA 54.91 190 eP 15 08.80 -0.3
 1.3s 6.50nm 4.5mb
 NAO 80.48 338 P 17 50.40 1.5
 0.8s 1.70nm 4.1mb
 S.D. = 0.9 on 8 of 8 obs.

* JUN 13, 1991 19h 07m 23.29±0.73s
 26.092 S ± 9.3km 27.941 E ± 14.5km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 mbLg 3.9 (BUL).

SLR 0.47 41 iPd 07 33.80 1.1
 S 07 40.00
 PRY 0.93 207 iPc 07 43.00 1.3
 1.0s 765.00nm
 BFT 1.94 78 iPd 07 57.00 -0.4
 S 08 19.00
 BLF 3.38 207 eP 08 18.00 0.0
 S 09 05.00
 KIM 3.86 226 eP 08 35.60 10.8X
 S 09 24.00
 FRS 4.32 212 eP 08 29.90 -1.2
 S 09 28.50
 BUL 5.95 6 iPn 08 55.70 1.3
 eSn 09 57.50
 iSg 10 29.80
 KRI 9.35 10 iPn 09 41.20 -0.7
 iSn 11 17.20
 iSg 12 14.50
 MTD 9.87 21 iPn 09 47.50 -1.5
 iSn 11 26.80
 iSg 12 34.30
 S.D. = 1.3 on 8 of 9 obs.

JUN 13, 1991 19h 12m 05.49±0.79s
 38.899 N ± 4.9km 27.023 E ± 10.6km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.2 (ISK).

IZM 0.53 159 iPg 12 16.10 -0.2
 eSg 12 25.10
 EZN 1.07 330 ePn 12 26.20 0.6
 DST 1.43 60 iPn 12 31.30 -0.3
 CIN 1.54 147 ePn 12 32.00 -1.1
 iSg 12 53.00
 KGT 1.57 8 ePn 12 33.20 -0.2
 EDC 1.58 24 ePn 12 34.50 0.9
 BNT 1.61 25 ePn 12 33.70 -0.3
 MFT 1.90 6 ePn 12 37.00 -1.2
 YER 2.02 150 ePn 12 41.00 0.9
 KHL 2.04 106 ePn 12 41.00 0.6
 CTT 2.49 25 ePn 12 47.00 0.3
 S.D. = 0.8 on 11 of 11 obs.

? JUN 13, 1991 21h 04m 08.31±8.48s
 33.926 S ± 59.2km 71.558 W ± 32.5km
 DEPTH = 9.3 ± 5.3 km
 NEAR COAST OF CENTRAL CHILE (135)
 Felt (II) at Rancagua and
 Santiago.

TACH 0.58 62 iP 04 20.00 -0.1
 SAN 0.88 58 iPd 04 24.50 -0.9
 iS 04 37.50
 IHA 0.90 356 iPc 04 25.00 -0.6
 i(S) 04 39.70
 PCH 0.92 71 iPd 04 25.00 -1.0

JACH 1.48 33 iS 04 38.00
 iS 04 34.00 -1.2
 iS 04 53.80
 RTBS 2.87 39 eP 04 55.80 0.8
 RTCB 3.36 44 iPc 05 01.90 -0.2
 S 05 48.80
 ZON 3.39 46 eP 05 03.70 1.2
 RTLL 3.67 46 iPd 05 05.00 -1.5
 S 05 49.00
 RTRS 4.15 26 ePc 05 12.70 -0.4
 S.D. = 1.0 on 10 of 10 obs.

& JUN 13, 1991 21h 21m 49.10s
 64.662 N 134.740 W
 DEPTH = 18.0km (geophysicist)
 4.1mb (6 obs.)
 SOUTHERN YUKON TERRITORY, CANADA (18)
 <PGC>. ML 4.7 (PGC).

DWY 2.13 255 P 22 23.50 -0.8
 INK 3.69 7 P 22 44.00 -2.5
 0.3s 127.60nm
 TMW 3.88 253 eP 22 47.84 -1.3
 WHC 3.94 183 P 22 47.60 -2.5
 HYT 4.06 200 P 22 49.80 -2.0
 DOT 4.21 260 eP 22 52.10 -1.7
 eS 23 45.67
 FYU 4.75 298 eP 23 00.17 -1.3
 eS 24 01.17
 CTGM 4.79 222 eP 23 00.61 -1.5
 eS 23 57.16
 THY 5.00 261 eP 23 03.67 -1.4
 BALM 5.04 227 eP 23 03.70 -1.9
 PAX 5.05 255 eP 23 03.88 -1.9
 GLB 5.24 236 iP 23 06.31 -2.1
 SDG 5.28 251 eP 23 07.27 -1.7
 HDA 5.28 273 eP 23 06.65 -2.3
 TGL 5.40 227 eP 23 08.84 -2.0
 GLM 5.41 279 eP 23 08.26 -2.6
 TZL 5.48 246 eP 23 11.53 -0.3
 FBA 5.59 278 eP 23 11.00 -2.3
 CCB 5.61 276 eP 23 10.85 -2.8
 RDS 5.74 278 eP 23 13.02 -2.5
 TOA 5.74 249 eP 23 16.30 0.7
 WRH 5.76 274 eP 23 13.10 -2.6
 MDM 5.77 279 eP 23 12.98 -2.9
 KLU 5.99 243 eP 23 17.18 -1.8
 NEA 6.17 276 eP 23 18.28 -3.2
 MCK 6.27 268 eP 23 21.38 -1.6
 RND 6.33 265 eP 23 22.43 -1.4
 SCM 6.35 249 eP 23 24.46 0.3
 VLZ 6.37 242 eP 23 23.29 -1.0
 BWN 6.40 272 eP 23 21.24 -3.5
 VZW 6.50 242 eP 23 25.03 -1.2
 DLB 6.64 158 P 23 24.90 -3.4
 SML 6.77 251 eP 23 28.66 -1.4
 HUR 6.80 262 eP 23 30.72 0.3
 GLI 6.82 242 eP 23 26.20 -4.4
 TRF 6.93 267 eP 23 30.31 -2.0
 TCBC 6.96 165 P 23 29.60 -3.2
 GHO 7.03 252 eP 23 32.34 -1.4
 KNK 7.03 249 eP 23 33.58 -0.1
 MUB 7.13 139 P 23 32.80 -2.3
 PLRM 7.21 251 eP 23 35.34 -0.7
 PMR 7.21 251 eP 23 35.90 -0.2
 CUT 7.30 259 eP 23 36.06 -1.2
 KNIM 7.40 240 eP 23 36.94 -1.9
 PWA 7.48 253 eP 23 40.20 0.3
 MID 7.56 231 eP 23 37.09 -3.9
 PMS 7.57 250 eP 23 40.12 -1.1
 SIT 7.64 182 eP 23 39.30 -2.8
 LTI 7.65 239 eP 23 40.34 -2.0
 BOB 7.97 162 P 23 44.10 -2.8
 SKT 8.01 258 eP 23 45.13 -2.3
 IMA 8.03 289 eP 23 45.10 -2.6
 FKBC 8.16 164 P 23 45.80 -3.7
 YKA 9.22 94 eP 23 59.90 -4.2
 0.6s 48.00nm 6.0mb X
 TTA 9.56 269 eP 24 07.10 -1.7
 SVW 10.15 259 eP 24 16.70 -0.3
 PDB 10.28 251 P 24 16.00 -2.7
 BRW 10.54 319 eP 24 18.70 -3.5
 MBC 12.64 17 ePc 24 44.50 -6.0
 0.4s 20.00nm 5.7mb X
 PNT 17.37 145 P 25 57.00 5.2
 NEW 18.98 142 P 26 15.60 3.9
 1.0s 8.75nm 3.9mb

13d 21h

FFC 19.06 106 eP 26 08.00 -4.5
0.7s 16.00nm 4.4mb
LON 19.30 152 P 26 18.00 2.4
LRM 22.53 136 eP 26 52.70 3.6
BW06 26.16 135 P 27 24.00 0.0
TNF 28.57 150 P 27 48.50 2.6
0.7s 1.11nm 3.7mb
ANMO 34.31 136 P 28 38.00 1.6
1.0s 13.50nm 4.8mb
SOD 47.58 10 eP 30 27.00 2.2
NAO 52.20 21 P 30 56.60 -3.6
0.7s 1.20nm 3.9mb
HFS 53.28 19 eP 31 05.20 -3.0
0.5s 1.30nm 4.1mb
70 obs. associated

? JUN 13, 1991 22h 08m 10.32±5.45s
17.533 N ±14.2km 94.573 W ±47.9km
DEPTH = 33.0km (normal)
CHIAPAS, MEXICO (61)

PBJ 1.35 216 iF 08 33.00 0.0
(S) 08 51.00
OXX 2.10 258 iF 08 44.50 0.4
iS 09 11.50
VHO 2.11 258 iF 08 44.00 -0.2
(S) 09 12.00
IISM 3.03 299 (P) 08 57.50 0.4
(S) 09 26.00
PPM 4.14 292 (P) 09 13.00 -0.4
(S) 09 48.00
TPM 4.50 289 (P) 09 18.00 -0.2
(S) 09 58.00
S.D. = 0.4 on 6 of 6 obs.

% JUN 13, 1991 22h 15m 25.19±0.49s
43.071 N ±6.7km 0.684 W ±4.3km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
MD 1.0 (STR).

ATE 0.02 319 Pg 15 26.99 -0.2
Sg 15 27.94
ESCF 0.08 84 Pg 15 27.68 0.0
Sg 15 29.31
ISSF 0.09 242 Pg 15 27.99 0.1
MADF 0.12 307 Pg 15 28.27 0.0
Sg 15 30.46
LHE 0.16 164 Pg 15 28.92 -0.1
JAU 0.23 98 Pg 15 30.35 0.1
ELYF 0.25 294 Pg 15 30.56 0.1
EPF 0.75 93 Pg 15 40.00 0.1
Sg 15 50.40
S.D. = 0.1 on 8 of 8 obs.

& JUN 13, 1991 22h 17m 34.43s
60.542 N 152.775 W
DEPTH = 7.4km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.6 (AEIC).

RDN 0.03 168 iPc 17 36.26 0.1
RDW 0.06 196 iPc 17 36.75 0.2
iS 17 37.66
REF 0.06 146 iPd 17 36.75 0.2
DFR 0.07 41 iPc 17 36.78 0.3
NCT 0.08 285 iPd 17 36.96 0.3
eS 17 38.03
RS2 0.08 174 iPd 17 36.99 0.3
RSO 0.08 173 iPd 17 36.96 0.2
RED 0.12 179 iPd 17 37.45 0.2
eS 17 39.31
RDT 0.19 80 iPd 17 38.64 0.2
iS 17 41.44
CKL 0.69 18 iPd 17 47.68 -0.6
eS 17 56.77
SPU 0.73 28 iPc 17 48.20 -0.8
iS 17 58.31
BGL 0.75 14 eP 17 48.89 -0.4
eS 17 59.43
NKA 0.78 74 eP 17 51.40 1.5
CRP 0.79 22 iPc 17 49.58 -0.5
CGLM 0.86 26 ePc 17 50.63 -0.6
NNL 0.89 124 ePc 17 52.65 0.9
NCG 0.92 19 ePc 17 51.64 -0.6
iS 18 03.86
PDB 1.04 224 ePc 17 53.56 -0.7

HOM 1.05 147 eP 18 06.90 iS
eS 17 53.52 -1.0
eS 18 08.22
XLV 1.21 154 ePc 17 56.65 -0.6
iS 18 12.94
AUE 1.22 194 eP 17 55.98 -1.4
BRLK 1.23 129 eP 17 55.96 -1.5
eS 18 12.80
AUH 1.23 196 eP 17 55.98 -1.6
AUI 1.25 195 eP 17 56.44 -1.5
SLKM 1.26 90 ePc 17 57.19 -1.0
CNPM 1.28 142 eP 17 57.52 -0.9
eS 18 13.86
SUA 1.35 46 eP 17 59.42 -0.3
eS 18 18.52
SVW 1.51 293 eP 18 01.78 -0.1
eS 18 22.27
SKT 1.56 22 eP 18 03.01 0.4
MCNL 1.57 211 ePd 18 03.19 0.4
CDD 1.68 196 ePc 18 04.81 0.5
BGM 1.69 228 eP 18 05.21 0.7
SEW 1.71 103 eP 18 05.12 0.4
PMS 1.72 64 eP 18 05.03 0.1
PWA 1.79 50 eP 18 05.94 0.0
SYI 1.95 174 eP 18 07.86 -0.3
CUT 2.22 32 eP 18 10.86 -1.3
GHO 2.24 55 eP 18 10.20 -2.3
KNK 2.28 66 eP 18 12.66 -0.4
LTI 2.50 99 eP 18 16.08 0.0
KNIM 2.51 92 iPd 18 16.14 0.0
MTU 2.61 100 eP 18 18.00 0.3
GLI 2.81 81 eP 18 20.49 -0.1
TTA 2.85 329 eP 18 21.24 0.1
VZW 3.09 78 eP 18 24.97 0.4
45 obs. associated

JUN 13, 1991 22h 21m 48.33±0.87s
49.150 N ±7.2km 6.928 E ±9.7km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
MD 2.5 (STR).

GWf 0.49 110 Pg 21 57.95 -0.3
WLF 0.72 316 iPd 22 01.33 -1.2
iS 22 10.69
CDF 0.77 163 Pg 22 02.48 -1.0
WLS 0.79 159 Pg 22 02.80 -0.9
ECH 0.95 171 Pg 22 05.69 -0.7
VITF 1.12 214 Pg 22 08.10 -1.3
Sg 22 23.17
MOF 1.31 174 Pg 22 12.36 -0.2
Sg 22 30.21
BSF 1.32 184 Pg 22 15.23 2.4
FEL 1.47 150 Pg 22 15.23 0.3
Sg 22 35.40
ENN 1.74 339 ePn 22 20.00 1.2
0.5s 16.00nm
eSn 22 40.00
LOMF 1.80 182 Pg 22 21.41 1.7
S.D. = 1.4 on 11 of 11 obs.

JUN 13, 1991 22h 42m 06.44±0.42s
41.650 N ±4.5km 19.751 E ±4.3km
DEPTH = 10.0km (geophysicist)
ALBANIA (391)
ML 2.6 (TTG).

LACI 0.03 246 iPgC 42 08.50 0.0
TIR 0.32 164 iPgC 42 11.50 -1.5
SDA 0.41 333 ePg 42 08.00 -6.8X
ULC 0.49 310 iPgC 42 15.91 -0.4
iSg 42 25.10
PHP 0.52 86 iPgC 42 15.20 -1.7
ITG 0.86 335 iPgC 42 22.48 -0.5
iSg 42 37.51
BDV 0.94 313 iPgC 42 23.65 -0.6
iSg 42 40.38
OHR 0.95 124 iPg 42 23.30 -1.4
0.5s 94.00nm
iSg 42 37.50
Lg 42 40.70
PVY 0.96 10 iPgC 42 24.01 -0.8
iSg 42 40.26
IVA 1.23 5 iPgC 42 29.28 0.0
iSg 42 49.15
HCY 1.23 311 iPgC 42 28.88 -0.4
iSg 42 49.80

NKY 1.29 335 iPgC 42 30.95 0.5
iSg 42 52.13
SKO 1.30 75 ePg 42 31.40 0.8
0.5s 141.00nm
iSg 42 47.50
FNA 1.50 125 iPc 42 33.38 -0.1
eS 42 55.16
BRY 1.54 325 iPnd 42 34.75 0.7
iSn 42 58.90
PLE 1.70 351 iPnc 42 37.23 0.9
iSn 43 03.23
GRG 2.11 108 iPc 42 42.61 0.3
eS 43 12.44
VAY 2.14 98 ePn 42 43.50 0.8
IGT 2.16 168 ePd 42 44.92 1.9
eS 43 11.16
KNT 2.42 101 iPc 42 47.17 0.5
eS 43 18.92
SRS 2.94 99 ePc 42 54.84 0.8
S.D. = 1.0 on 20 of 21 obs.

* JUN 14, 1991 00h 06m 07.80±1.20s
5.006 S ±18.4km 139.247 E ±14.8km
DEPTH = 33.0km (normal)
4.7mb (2 obs.)
WEST IRIAN (201)

MNDI 4.54 105 eP 07 16.00 -0.2
MTN 11.18 225 eP 08 49.00 0.6
eS 10 55.00
KNA 14.83 223 eP 09 36.50 -0.5
OIS 15.46 179 eP 09 44.00 -1.2
eS 12 33.00
e 14 42.00
WB2 15.59 197 eP 09 45.70 -1.2
0.3s 8.60nm 4.4mb
e 09 54.10
eS 12 35.80
ASPA 19.26 195 iPc 10 35.10 2.5
0.8s 57.10nm 4.9mb
eS 14 02.80
WARB 24.27 208 eP 11 26.00 2.8X
LKO 144.84 279 PKPd 25 41.88 -2.3
0.9s 19.50nm
CNCB 145.44 129 PKP 25 46.90 1.1
LPB 145.51 129 PKP 25 47.00 1.2
ZOBO 145.65 129 PKP 25 46.20 0.0
1.0s 11.25nm
S.D. = 1.6 on 10 of 11 obs.

* JUN 14, 1991 00h 42m 19.56±0.98s
5.991 S ±11.6km 134.344 E ±11.9km
DEPTH = 33.0km (normal)
4.8mb (3 obs.)
AROE ISLANDS REGION (204)

MTN 7.51 205 eP 44 11.00 1.4
eS 45 42.50
MNDI 9.26 91 e(P) 44 40.00 5.8X
KNA 11.14 209 eP 44 58.70 -0.9
0.3s 36.00nm 6.0mb X
eS 47 06.00
PMG 13.14 106 eP 45 26.50 0.0
0.8s 37.31nm 5.5mb X
WB2 13.87 180 eP 45 34.60 -1.6
0.4s 11.40nm 5.0mb
i 45 46.10
eS 48 06.90
e 48 49.40
OIS 15.35 161 eP 45 54.00 -1.6
e 46 06.00
eS 48 48.70
ASPA 17.58 181 eP 46 24.20 0.4
0.9s 96.00nm 4.9mb
eS 49 40.40
WARB 21.38 199 eP 47 07.00 0.4
OLP 22.55 156 iPc 47 20.70 2.5
1.0s 231.00nm 5.6mb X
RMO 24.59 148 eP 47 37.00 -1.0
e 54 19.00
e 55 45.00
STK 26.64 166 eP 47 58.00 0.9
0.7s 3.70nm 4.1mb
eS 53 07.70
BFD 31.93 168 e(P) 48 51.00 6.6X
CHG 42.72 306 eP 50 15.00 -0.5
CNCB 148.37 136 PKP 02 02.20 -0.1

14d 02h

GTA	27.23	320	eP	07	39.00	0.0
	1.4s	10.00nm			4.3mb	
Z	16s	0.40um			4.1MsZx	
N	12s	0.30um				
GUN	33.91	290	P	08	39.66	1.1
PKI	34.30	290	P	08	42.32	0.4
KKN	34.43	290	P	08	42.76	-0.1
DMN	34.57	290	P	08	44.24	0.1
GKN	35.02	290	P	08	46.34	-1.5
WMQ	37.23	317	P	09	07.50	1.3
	1.5s	10.00nm			4.4mb	
Z	12s	0.30um			4.3MsZx	
N	13s	0.40um				
		pP		09	15.20	26km
WB2	41.47	162	eP	09	38.50	-3.0
	0.5s	14.80nm			5.0mb	
		e		15	41.00	
ASPA	44.89	165	eP	10	07.70	-1.7
	0.5s	8.00nm			4.9mb	
WARB	46.11	174	eP	10	17.40	-1.5
NWAO	52.82	185	eP	11	10.00	-0.4
	0.6s	5.00nm			4.6mb	
MAIO	56.63	301	eP	11	40.00	1.6
BRW	68.40	20	eP	12	56.90	0.8
ITA	68.73	29	eP	12	59.20	0.8
SVW	69.01	31	eP	13	01.20	1.1
IMA	69.59	26	eP	13	04.40	0.7
OBN	71.30	323	iPc	13	12.50	-1.5
	1.0s	*****nm			8.1mb x	
		e		13	33.00	77kmX
		e		14	01.00	
PMR	72.07	30	eP	13	18.50	0.0
FBA	72.16	27	eP	13	18.90	-0.1
KEV	73.17	339	eP	13	23.00	-1.8
SOD	73.81	336	iP	13	28.00	-0.6
KAF	75.20	331	iP	13	36.60	-0.1
	0.3s	1.20nm			4.4mb	
NUR	76.40	330	eP	13	44.20	0.7
	0.7s	5.60nm			4.7mb	
MBC	77.16	12	eP	13	47.00	-0.5
	1.0s	6.00nm			4.6mb	
MLR	80.17	315	eP	14	05.00	0.3
HFS	81.62	331	eP	14	10.00	-1.8
	0.4s	1.60nm			4.4mb	
Z	17s	0.14um			4.4MsZx	
		LR		47	18.00	
KRA	82.40	321	eP	14	16.10	0.0
NAO	82.58	333	P	14	15.40	-1.4
	0.9s	2.60nm			4.3mb	
VAY	83.89	312	eP	14	23.50	-0.4
KSP	84.23	322	eP	14	26.00	0.6
ZST	84.84	320	eP	14	37.50	9.0X
OHR	85.21	312	eP	14	30.00	-0.6
CLL	85.90	324	eP	14	32.00	-1.7
		e		15	00.00	107kmX
YKA	86.50	23	eP	14	36.20	-0.3
	0.8s	5.90nm			4.9mb	
S.D. = 1.4 on 64 of 72 obs.						
JUN 14, 1991 02h 03m 43.29 ± 0.32s						
45.423 N ± 3.3km 6.498 E ± 3.5km						
DEPTH = 10.0km (geophysicist)						
FRANCE (538)						
ML 3.0 (LDG).						
LPL	0.19	60	Pg	03	48.30	0.7
LPG	0.19	67	Pg	03	48.20	0.5
		Sg		03	51.80	
BNI	0.39	161	Pc	03	49.90	-1.4
		iSg		03	55.10	
LSD	0.46	85	P	03	52.28	-0.5
		S		04	58.64	
RRL	0.54	158	P	03	52.79	-1.5
		S		04	00.38	
RSP	0.60	117	P	03	54.64	-0.9
		S		04	03.35	
BHB	0.79	137	P	03	57.66	-1.1
		S		04	08.99	
PZZ	1.01	155	P	04	01.10	-1.5
		S		04	15.31	
DOI	1.06	150	P	04	02.20	-1.1
		eSg		04	17.00	
ORX	1.06	78	P	04	03.97	0.6
		S		04	19.16	
STV	1.32	153	P	04	07.25	-0.4
		S		04	23.99	
ENR	1.36	151	P	04	07.49	-0.9

ROB	1.49	139	P	04	24.49	
		S		04	10.12	-0.1
		S		04	28.66	
CKI	1.61	128	P	04	12.20	0.3
S8F	1.70	156	Pg	04	14.30	1.1
		Sg		04	36.40	
PCP	1.70	121	P	04	14.63	1.5
		S		04	37.32	
FIN	1.72	134	P	04	14.02	0.6
		S		04	36.16	
IMI	1.81	146	P	04	15.25	0.5
		S		04	38.49	
FRF	1.86	177	Pg	04	17.20	1.7
		Sg		04	40.40	
LRG	1.97	183	Pg	04	19.20	2.2
		Sg		04	45.00	
LMR	2.09	180	Pg	04	21.20	2.4
		Sg		04	47.80	
SMF	2.22	304	Pn	04	20.00	-0.7
		Pg		04	24.80	
		Sg		04	54.40	
LBF	2.35	313	Pn	04	22.50	0.0
		Sg		04	57.60	
BSF	2.42	5	Pn	04	23.50	-0.1
		Pg		04	30.00	
		Sg		05	02.00	
AVF	2.58	303	Pn	04	26.40	0.6
		Pg		04	32.80	
		Sg		05	06.60	
HAU	2.59	358	Pn	04	25.80	-0.1
		Pg		04	32.80	
		Sg		05	06.40	
LOR	2.60	316	Pn	04	26.00	-0.1
		Pg		04	33.00	
		Sg		05	04.00	
SSF	2.65	309	Pn	04	27.00	0.3
		Pg		04	33.40	
		Sg		05	06.00	
BGF	2.79	295	Pn	04	28.40	-0.4
		Pg		04	35.80	
		Sg		05	10.40	
MAF	2.86	288	Pn	04	29.60	-0.2
		Pg		04	37.20	
		Sg		05	11.00	
CDF	3.04	10	Pn	04	31.80	-0.5
TCF	3.12	288	Pn	04	33.00	-0.4
		Sg		05	18.80	
CAF	3.17	263	Pn	04	33.40	-0.9
S.D. = 1.0 on 33 of 33 obs.						
? JUN 14, 1991 02h 34m 55.89 ± 1.27s						
50.278 N ± 18.1km 18.881 E ± 9.4km						
DEPTH = 10.0km (geophysicist)						
POLAND (548)						
ML 3.2 (VKA).						
KRA	0.72	108	ePg	35	09.90	-0.1
		iSg		35	18.60	
SPC	1.40	140	iPn	35	21.50	-0.2
		iSg		35	44.40	
KSP	1.74	290	iPg	35	27.50	1.1
	0.5s	55.00nm				
		iS		35	51.30	
ZST	2.39	210	eP	35	36.40	0.8
		e		35	43.30	
		i		36	07.50	
PSZ	2.45	164	iP	35	44.40	7.8X
SRO	2.49	189	eP	35	45.80	8.7X
VKA	2.62	221	ePg	35	46.00	7.0X
		eSg		36	24.00	
PRU	2.81	266	Pn	35	40.00	-1.6
		Pg		35	49.40	
		e		36	04.50	
		eSn		36	10.70	
		Sg		36	24.70	
KHC	3.63	254	Pn	36	00.00	6.7X
	0.7s	13.90nm				
		Pg		36	15.20	
		Sn		36	44.00	
		eSg		36	56.00	
CLL	3.87	288	iPg	36	09.80	13.1X
		eSg		56	58.00	
MOX	4.66	277	e(P)	36	21.00	13.1X
S.D. = 1.5 on 5 of 11 obs.						
JUN 14, 1991 03h 28m 38.94 ± 0.48s						
44.740 N ± 2.9km 6.791 E ± 5.5km						

DEPTH = 10.0km (geophysicist)						
FRANCE (538)						
ML 2.3 (LDG).						
RRL	0.18	358	P	28	42.64	-0.5
			S	28	46.23	
PZZ	0.32	137	P	28	45.72	0.0
			S	28	51.05	
BNI	0.32	345	P	28	45.30	-0.4
			eSg	28	50.30	
BHB	0.35	73	P	28	46.66	0.5
			S	28	53.46	
DOI	0.40	126	P	28	47.60	0.4
			eSg	28	54.40	
RSP	0.53	39	P	28	50.23	0.6
			S	28	57.56	
STV	0.63	142	P	28	49.49	-2.1
			S	29	00.13	
ENR	0.68	138	P	28	51.66	-0.9
			S	29	02.05	
LPG	0.76	358	Pg	28	53.70	-0.3
			Sg	29	05.00	
LSD	0.76	20	P	28	54.74	0.7
			S	29	04.89	
LPL	0.78	357	Pg	28	54.00	-0.3
			Sg	29	05.60	
S8F	0.99	152	Pg	28	58.00	0.2
			Sg	29	13.00	
CKI	1.11	106	P	29	00.00	0.2
FRF	1.18	185	Pg	29	01.80	0.8
			Sg	29	19.00	
LRG	1.32	194	Pg	29	03.80	0.5
			Sg	29	23.00	
LMR	1.42	188	Pg	29	05.20	0.4
			Sg	29	25.60	
S.D. = 0.8 on 16 of 16 obs.						
? JUN 14, 1991 03h 31m 10.66± 4.45s						
16.633 N ±28.2km 100.239 W ±25.3km						
DEPTH = 10.0km (geophysicist)						
NEAR COAST OF GUERRERO, MEXICO (58)						
Felt in Guerrero.						
ACX	0.43	57	iP	31	19.50	0.0
			iS	31	25.50	
III	1.88	23	iP	31	43.00	-0.4
			iS	32	09.00	
TPM	2.59	25	(P)	31	55.00	1.5
			(S)	32	27.00	
UNM	2.87	20	(P)	31	57.00	-0.5
PPM	2.87	32	eP	31	57.00	-0.7
			iS	32	33.00	
TAC	2.93	20	(P)	32	04.00	5.6X
			(S)	32	42.00	
IIIT	3.00	37	(P)	32	04.00	4.6X
MRX	3.19	344	(P)	32	13.00	11.3X
POXX	3.40	82	iP	32	05.00	0.0
			iS	32	43.50	
IIISM	3.59	49	(P)	31	59.00	-8.6X
S.D. = 1.0 on 6 of 10 obs.						
JUN 14, 1991 05h 41m 59.49± 0.52s						
51.812 N ±11.2km 178.471 E ± 5.2km						
DEPTH = 33.0km (normal)						
4.7mb (13 obs.) 4.5Msz (2 obs.)						
RAT ISLANDS, ALEUTIAN ISLANDS (6)						
SMY	2.84	291	eP	42	42.40	-1.0
ADK	3.01	87	ePc	42	45.90	0.0
SVW	16.96	47	eP	45	55.70	0.1
	0.5s		45.45nm			4.9mb
PDB	17.21	52	P	46	04.00	5.3X
TTA	17.56	41	eP	46	03.20	0.2
KDC	17.68	59	eP	46	03.50	-0.9
RSO	18.09	50	P	46	09.70	0.0
SLKM	19.32	51	P	46	23.70	-0.7
IMA	20.00	34	eP	46	32.50	0.6
PMR	20.09	48	P	46	31.20	-1.4
	1.0s		33.75nm			4.6mb
KLU	21.57	49	P	46	48.10	0.2
TOA	21.57	48	eP	46	48.90	1.0
FBA	21.68	40	ePd	46	49.40	0.6
	1.2s		107.95nm			5.1mb
BALM	23.21	51	P	47	05.20	1.0
YAK	27.83	311	iPc	47	49.00	1.7
MBC	33.85	22	eP	48	40.00	-0.3
	1.0s		7.00nm			4.5mb

YKA	36.17	46	eP	48 53.00	50kmX	RMQ	25.29	158	eP	44 41.00	TTA	81.71	25	ePc	47 00.70	1.4	
	0.7s			48 59.50	-0.7				e	40 10.00	1.0		0.7s		10.17nm	4.9mb	
BTO	47.02	285	eP	50 29.50	0.2				e	40 15.00	18kmX	MAW	81.82	202	eP	47 02.00	2.3
TIY	47.35	280	eP	50 32.20	0.2	WARB	25.76	205	eP	40 14.00	0.6		1.0s		19.00nm	5.0mb	
Z	20s			4.4Msz			0.4s		42.00nm		5.3mb	MAIO	83.03	307	iPc	47 08.00	1.3
FRB	53.53	31	eP	51 18.00	-0.5				eS	45 00.00		SLKM	83.43	28	P	47 28.00	73km
GTA	53.82	290	eP	51 20.00	-1.2	STK	28.86	175	eP	40 41.30	-0.1	IMA	83.85	22	ePc	47 06.70	-1.5
	1.0s			4.8mb			0.6s		2.10nm		3.9mb X		1.0s		6.25nm	4.6mb	
Z	24s			4.5MszX					e	45 24.20		PMR	84.27	27	ePc	47 11.40	1.0
N	19s			0.90um					eS	46 20.20			1.3s		44.81nm	5.3mb	
						FORR	29.43	199	eP	40 46.00	-0.6	KLU	85.72	28	P	47 12.60	0.3
SCH	60.73	37	eP	52 10.00	0.2	NANU	29.66	227	eP	40 49.00	0.2	TOA	85.76	27	ePc	47 19.70	0.0
NAO	67.28	353	P	52 51.00	-1.4				e	40 49.00	0.2	FBA	85.80	24	ePc	47 21.00	1.2
	1.0s			4.5mb		ADE	31.80	180	eP	41 08.00	0.5		1.0s		21.25nm	5.1mb	
QBN	68.85	338	eP	53 04.00	1.8	COOL	32.27	209	eP	41 12.00	0.4	SPA	87.01	180	iPd	47 19.60	-0.3
	1.0s			8.4mb X			0.6s		8.00nm		4.7mb		1.0s		27.50nm	5.3mb	
Z	20s			4.7Msz		DZM	32.99	127	iPd	41 18.00	-0.1		i			47 27.50	1.5
E	22s			0.30um		MRWA	33.79	217	eP	41 25.00	0.2	BALM	87.31	29	P	47 40.90	45kmX
GUN	70.11	290	P	53 10.50	-0.3	BFD	34.19	174	e(P)	41 28.00	-0.2	MBC	95.76	14	eP	47 27.20	-0.3
KKN	70.55	290	P	53 12.94	-0.4				e	41 28.00	-0.2		1.0s		11.00nm	48 06.00	-0.4
	0.6s			5.0mb		BAL	34.40	215	eP	48 24.00						5.3mb	
PKI	70.64	290	P	53 13.34	-0.7	TOO	34.97	170	e(P)	41 30.00	0.0	KIC	143.35	277	PKP	41 30.00	0.0
	0.8s			5.3mb		KGM	35.65	278	ePd	41 36.00	1.1	TIC	143.61	277	PKP	41 42.80	1.9
GKN	70.76	291	P	53 13.96	-0.6	MUN	35.71	214	eP	41 43.00	1.9	LIC	143.64	276	PKP	41 43.00	1.9
DMN	70.79	290	P	53 14.50	-0.3	QIZ	35.80	309	eP	41 43.00	1.9	LKO	143.87	282	PKP	41 43.00	1.9
QUE	78.75	305	Pd	54 02.10	1.7	NWAO	35.88	212	eP	41 40.60	-1.4		0.6s		48.50nm		
WRA	81.18	222	P	54 13.00	0.0		1.0s		20.00nm	41 47.00	4.4X	ARE	144.50	124	iPKPc	41 47.00	4.4X
	1.0s			4.4mb		Z	20s		0.50um		5.0mb		1.0s		52.00nm		
WRA	81.18	222	P	54 23.00	10.0X	SSE	37.77	335	P	41 58.40	0.0	CNCB	147.16	128	PKP	41 58.40	0.0
	0.8s			4.1mb			0.6s		14.00nm		5.1mb	LPB	147.22	127	PKP	41 58.40	0.0
ASPA	84.69	220	eP	54 31.80	0.8				pP	42 18.00	82km		0.9s		84.03nm		
	0.8s			4.8mb		IIDJ	38.29	359	P	42 02.60	-0.2		i			54 28.00	
STK	89.40	211	eP	54 56.80	3.1X	IPM	38.32	281	ePd	42 10.60	7.2X	ZOBO	147.35	127	PKPc	42 10.60	7.2X
	0.9s			4.5mb			0.8s		31.30nm		5.3mb		1.3s		113.56nm		
S.D. = 0.9 on 31 of 34 obs.						TSRJ	38.42	357	P	42 03.70	-0.1	CCH	148.25	130	PKP	42 03.70	-0.1
% JUN 14, 1991 06h 14m 03.03±0.52s						CHJJ	38.85	0	P	42 05.90	-1.6	PPD	153.28	159	(PKP)	42 05.90	-1.6
60.389 N ± 3.9km 5.314 E ± 5.8km						KAKJ	39.04	2	P	42 07.90	-1.0	VAO	153.58	168	(PKP)	42 07.90	-1.0
DEPTH = 5.0km (geophysicist)						SNG	39.26	285	iPc	42 12.40	1.2		S.D. = 1.1 on 80 of 92 obs.				
SOUTHERN NORWAY (535)						MAT	39.35	359	eP	42 10.00	-1.6	% JUN 14, 1991 08h 42m 33.36±0.99s					
							0.7s		6.85nm		4.7mb	39.125 N ± 8.1km 27.646 E ± 10.2km					
BER	0.01	120	iPc	14 04.43	0.4				eS	48 20.00		DEPTH = 10.0km (geophysicist)					
ASK	0.11	328	iPc	14 05.72	0.3	MTMJ	39.40	359	P	42 11.30	-0.8	TURKEY (366)					
				14 07.13		NIJJ	40.04	0	P	42 17.00	-0.2	MD 2.7 (ISK).					
EGD	0.13	200	iPc	14 05.56	-0.1	PSI	40.09	278	ePd	42 25.70	7.7X	IZM	0.79	203	ePg	42 48.30	-0.4
				14 07.56		NNT	41.63	293	iPd	42 30.70	0.1						
SUE	0.72	338	iP	14 17.28	-0.2	NST	42.36	297	eP	42 38.00	1.4	DST	0.90	57	ePn	42 51.50	0.9
				14 27.43		KHT	43.42	295	eP	42 46.70	1.5	EDC	1.23	8	ePn	42 55.50	-0.8
ODD1	0.81	125	eP	14 19.63	0.3	CHG	44.66	301	ePc	42 55.30	0.0	EZN	1.24	305	ePn	42 57.20	0.8
				14 30.80			0.9s		10.92nm		4.7mb	BNT	1.25	10	ePn	42 56.00	-0.5
HYA	0.89	28	iP	14 20.58	0.0	XAN	46.27	325	P	43 07.50	-0.3		S.D. = 1.1 on 5 of 5 obs.				
				14 33.89		SNY	46.68	345	Pc	43 10.70	-0.1	? JUN 14, 1991 08h 49m 30.56±0.96s					
KMY	1.18	182	eP	14 25.46	0.0	TIY	47.24	332	eP	43 16.00	0.6	39.124 N ± 8.6km 27.639 E ± 14.0km					
				14 41.94		CD2	47.35	318	eP	43 16.60	0.2	DEPTH = 10.0km (geophysicist)					
MOL	2.44	25	eP	14 44.26	0.2	BJI	47.53	337	eP	43 17.50	-0.1	TURKEY (366)					
NRA0	3.09	81	Pn	14 52.50	-0.9				pP	43 36.00	74km	MD 2.7 (ISK).					
				15 40.50		CN2	48.08	347	eP	43 21.60	-0.2	IZM	0.78	202	ePg	49 45.80	0.0
S.D. = 0.5 on 9 of 9 obs.						MDJ	48.10	351	eP	43 22.00	0.1						
									pP	43 41.50	79km	DST	0.90	58	ePn	49 48.00	0.1
JUN 14, 1991 08h 34m 48.12±0.22s						LZH	50.67	323	eP	43 43.00	1.0	BNT	1.25	10	ePn	49 53.50	-0.3
3.008 S ± 3.7km 138.630 E ± 5.2km							1.0s		12.00nm		4.9mb	KGT	1.35	349	iPn	49 55.60	0.2
DEPTH = 77.3km (6 depth phases)						Z	30s		0.29um		4.1MszX		S.D. = 0.4 on 4 of 4 obs.				
5.1mb (24 obs.)						GTA	55.26	324	P	44 16.00	0.1	JUN 14, 1991 09h 19m 08.36±1.05s					
WEST IRIAN (201)							0.8s		10.00nm		4.9mb	43.722 N ± 8.8km 6.992 E ± 5.4km					
							Z	18s	0.60um		4.7Msz	DEPTH = 10.0km (geophysicist)					
MNDI	5.91	122	eP	36 20.00	4.8X				pP	44 36.20	80km	NEAR SOUTH COAST OF FRANCE (379)					
LAT	9.09	114	e(P)	36 59.20	0.4	GUN	59.29	305	P	44 44.84	0.0	STV	0.57	25	P	19 19.36	-0.7
PMG	10.59	127	eP	37 18.00	-1.2	PKI	59.55	304	P	44 46.10	-0.5						
	1.0s			5.6mb		KKN	59.74	305	P	44 47.80	0.1	ENR	0.59	31	P	19 19.74	-0.7
MTN	12.27	217	iPc	37 40.00	-1.6	DMN	59.81	304	P	44 47.22	-1.1						
KNA	15.96	217	eP	38 28.80	-0.6	GKN	60.35	305	P	44 51.78	0.0	IMI	0.68	74	P	19 21.93	0.1
	0.3s			5.4mb		KOD	62.30	283	eP	45 08.20	2.9X						
				41 18.00		HYB	62.61	291	eP	45 06.50	-0.5	PZZ	0.79	6	P	19 23.37	-0.4
KUPT	16.52	244	eP	38 36.00	-0.5	GBA	62.89	287	Pc	45 08.60	-0.2						
WB2	17.34	194	iPd	38 45.50	-1.2		0.6s		20.00nm		5.3mb	DOI	0.80	13	P	19 24.00	0.0
	0.4s			5.3mb		WMO	65.19	322	Pc	45 23.20	-0.3						
				41 46.90			0.8s		30.00nm		5.3mb						
QIS	17.47	177	eP	38 46.00	-2.3</												

14d 09h

BHB 1.14 10 P 19 41.92
S 19 29.49 -0.2
S 19 45.00
RRL 1.21 353 P 19 31.15 0.1
S 19 47.82
BNI 1.35 350 P 19 34.50 1.2
S.D. = 0.6 on 11 of 11 obs.

% JUN 14, 1991 09h 20m 15.62 ± 1.16s
40.604 N ± 13.8km 99.467 E ± 11.4km
DEPTH = 10.0km (geophysicist)
NORTHERN CHINA (323)
ML 3.1 (BJI).

GTA 1.22 167 iPg 20 37.20 -1.2
Sg 20 56.80
LZH 5.67 141 ePn 21 44.00 1.9
Z 10s 0.27um
BTO 8.03 87 eP 22 14.40 -0.8
WMO 9.31 294 P 22 33.00 0.1
TIY 10.48 102 eP 22 49.00 0.0
Z 10s 0.48um
N 10s 0.22um
S.D. = 1.7 on 5 of 5 obs.

% JUN 14, 1991 09h 22m 09.21 ± 3.53s
39.747 N ± 26.8km 29.430 E ± 13.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 2.8 (ISK).

IZI 0.59 3 iPg 22 21.10 -0.1
EYL 0.99 34 ePn 22 28.10 0.0
HRT 1.09 10 ePn 22 29.00 -0.7
BNT 1.31 298 ePn 22 33.10 -0.3
ISK 1.35 348 ePn 22 35.00 1.0
KGT 1.78 294 ePn 22 40.00 -0.2
S.D. = 0.7 on 6 of 6 obs.

% JUN 14, 1991 09h 28m 31.91 ± 0.78s
46.851 N ± 5.2km 6.830 E ± 35.2km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.8 (LDG).

BSF 0.98 359 Pg 28 50.40 -0.2
Sg 29 03.60
HAU 1.20 344 Pg 28 54.40 0.1
Sg 29 10.00
LPL 1.34 183 Pg 28 56.80 0.1
Sg 29 14.60
LPG 1.35 182 Pg 28 57.00 -0.1
Sg 29 14.80
CDF 1.59 11 Pg 29 00.40 0.1
Sg 29 21.40
LBF 1.96 275 Pg 29 08.40 2.8X
Sg 29 34.80
SMF 2.07 265 Pg 29 11.20 4.1X
Sg 29 37.60
LOR 2.07 283 Pg 29 11.00 3.8X
Sg 29 37.80
AVF 2.39 270 Pg 29 16.80 5.1X
Sg 29 47.80
S.D. = 0.2 on 5 of 9 obs.

JUN 14, 1991 09h 42m 19.36 ± 0.31s
39.121 N ± 3.1km 23.419 E ± 2.6km
DEPTH = 5.7 ± 1.9 km
3.9mb (3 obs.)
AEGEAN SEA (365)
ML 4.0 (ATH). MD 3.7 (THE).

PAIG 0.83 14 iPc 42 37.30 1.5
AGG 0.85 264 iPd 42 34.50 -1.7
eS 42 46.04
ATH 1.17 168 eP 42 41.50 -0.1
LIT 1.21 324 iPc 42 42.50 0.1
eS 42 58.64
OUR 1.29 20 iPc 42 44.26 0.7
eS 43 01.80
THE 1.55 347 iPc 42 47.44 -0.1
SOH 1.70 358 iPc 42 50.10 0.3
eS 43 14.12
KZN 1.74 313 eP 42 49.80 -0.6
GRG 1.99 337 iPc 42 53.72 -0.3
SRS 2.00 4 iPc 42 54.12 0.0
KNT 2.08 349 iPc 42 55.66 0.4

PRK 2.22 86 eP 42 57.50 0.2
FNA 2.29 317 iPc 42 58.33 0.0
VAY 2.29 344 iPn 42 58.00 -0.3
1.0s 358.00nm
iSn 43 30.50
i 43 41.40
Lg 43 52.50

EZN 2.36 72 iPn 42 59.20 0.0
IGT 2.43 281 eP 43 02.56 2.3
eS 43 28.68
VLI 2.43 189 eP 42 58.50 -1.8
MMB 2.48 5 iPc 43 01.00 0.0
RDO 2.59 38 eP 43 02.00 -0.6
ALN 2.69 48 eP 43 03.92 0.0
eS 43 36.72
RZN 2.75 21 iPc 43 05.00 0.0
KKB 2.75 355 iPg 43 05.00 0.1
OHR 2.83 316 iPn 43 06.10 0.1
1.7s 2380.00nm
iSg 43 55.20
Lg 44 02.80

KEK 2.87 283 eP 43 08.30 1.8
KDZ 2.95 30 iPd 43 06.00 -1.7
IZM 3.09 102 iPn 43 09.80 0.1
PLD 3.14 18 iP 43 10.00 -0.3
SKO 3.22 333 ePn 43 10.90 -0.6
1.0s 117.00nm
i 43 13.50
i 43 30.00
i 44 06.80

KGT 3.27 65 ePn 43 11.80 -0.5
DIM 3.34 28 iP 43 13.00 -0.2
MFT 3.40 60 ePn 43 15.00 0.8
VTS 3.47 357 iPc 43 15.00 -0.2
PG8 3.47 9 iP 43 15.00 -0.1
EDC 3.64 69 ePn 43 17.00 -0.5
BNT 3.68 69 ePn 43 17.60 -0.5
DST 4.07 82 iPn 43 25.00 1.5
NPS 4.23 155 ePn 43 26.90 1.1
YER 4.32 116 ePn 43 27.60 0.4
PVL 4.34 19 iPc 43 25.00 -2.4
CTT 4.34 61 eP 43 43.00 15.6X
LCI 4.38 288 P 43 25.50 -2.5
KHL 4.84 98 ePn 43 35.40 0.8
BRT 5.09 292 P 43 38.00 0.0
HRT 5.09 69 eP 43 37.00 -1.1
EYL 5.38 72 eP 43 42.00 -0.3
TDS 5.51 278 P 43 47.70 3.7X
CZI 5.66 273 P 43 46.10 0.0
eSn 44 48.50

MGR 6.16 282 P 43 53.90 0.8
CMP 6.26 11 eP 43 55.00 0.4
SGO 6.41 286 P 43 56.80 0.2
MLR 6.64 16 eP 44 00.00 0.0
VRI 7.17 19 ePc 44 07.50 0.2
DUI 7.30 293 P 44 09.00 -0.2
SDI 7.77 292 P 44 15.50 -0.3
HFS 21.91 347 eP 47 15.70 0.8
0.9s 5.20nm 4.0mb
NAO 23.10 344 P 47 27.30 0.6
0.6s 1.10nm 3.6mb
EKA 24.05 321 Pc 47 37.30 1.4
1.0s 8.40nm 4.3mb

S.D. = 0.9 on 55 of 57 obs.

% JUN 14, 1991 11h 09m 06.10s
33.160 N 115.640 W
DEPTH = 1.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.2 (PAS).

IKP 0.64 218 eP 09 18.80 -0.2
GLA 0.69 99 iPc 09 19.20 -0.7
BAR 0.99 241 eP 09 24.20 -1.5
TPC 1.00 340 iPc 09 24.70 -1.3
PLM 1.04 281 iPc 09 25.00 -1.7
CPE 1.26 258 eP 09 28.20 -2.1
PEC 1.47 300 eP 09 30.70 -3.0
ABL 3.42 301 eP 10 05.00 3.1
BCH 4.20 300 e(P) 10 17.00 4.2
FRI 5.07 320 eP 10 42.00 16.9
TNP 5.08 346 e(P) 10 30.00 4.6
BONR 5.25 336 e(P) 10 32.00 4.0
CMB 6.21 323 eP 11 07.80 26.6
13 obs. associated

* JUN 14, 1991 11h 59m 39.63 ± 1.36s

47.946 N ± 13.0km 152.837 E ± 10.8km
DEPTH = 98.3 ± 14.1 km
4.6mb (30 obs.)
KURIL ISLANDS (221)

KUSJ 7.49 233 P 01 27.40 -0.4
S 02 45.00
ASAJ 8.06 245 iP+ 01 41.20 5.5X
HOOJ 8.74 234 eP 01 45.20 0.3
eS 03 16.70
MRRJ 9.97 241 eP 02 02.20 0.7
eS 03 50.20
AOMJ 11.58 235 eP 02 21.10 -1.9
OFUJ 12.00 226 eP 02 25.40 -3.1X
eS 04 29.90
MAT 15.69 229 eP 03 16.00 -0.2
0.8s 16.42nm 4.3mb

CHJJ 15.69 226 eP 03 16.30 0.1
MDJ 16.40 267 eP 03 26.50 1.5
TSRJ 17.61 231 P 03 40.30 0.3
CN2 19.47 268 iPd 03 59.00 -2.0
0.8s 20.00nm 4.5mb
SNY 21.53 264 iPd 04 22.30 0.4
0.6s 20.00nm 4.6mb
DL2 24.26 260 P 04 49.40 0.9
1.0s 90.00nm 5.2mb
FBA 35.35 39 P 06 27.90 1.1
pP 06 58.00 134kmX
LZH 37.68 270 eP 06 48.00 1.0
1.2s 20.00nm 4.9mb

GTA 38.61 277 Pc 06 55.00 0.3
0.8s 10.00nm 4.7mb
CD2 40.81 264 eP 07 13.10 0.3
0.8s 30.00nm 5.2mb
GYA 41.81 256 P 07 21.40 0.3
CHG 52.22 256 iPc 08 42.80 0.2
0.8s 15.11nm 5.1mb
GUN 54.72 274 P 09 01.00 -0.3
KKN 55.20 274 P 09 04.34 -0.3
0.5s 24.00nm 5.5mb

PKI 55.26 274 P 09 04.80 -0.3
DMN 55.44 274 P 09 06.56 0.2
GKN 55.49 275 P 09 06.50 -0.1
0.4s 48.00nm 5.8mb X
UPP 66.53 337 iP 10 23.50 3.1X
i 10 48.40
HFS 67.27 339 eP 10 23.70 -1.4
0.4s 9.40nm 5.1mb
NAO 67.31 341 P 10 24.40 -1.0
0.8s 8.90nm 4.7mb

GBA 70.26 269 Pd 10 43.20 -0.9
0.4s 3.70nm 4.6mb
KRA 74.28 331 eP 11 07.10 -0.2
KSP 74.75 333 iP 11 09.70 -0.3
SPC 74.92 330 eP 11 11.30 0.0
EKA 75.13 346 P 11 12.00 -0.1
0.5s 2.90nm 4.4mb
CLL 75.30 335 iPc 11 12.60 -0.5
0.8s 28.00nm 5.2mb
BRG 75.42 335 iP 11 13.20 -0.6
1.0s 10.00nm 4.6mb
MLR 75.98 325 eP 11 17.00 -0.3
e 16 45.00
PRU 76.03 334 P 11 17.50 0.2
0.8s 6.90nm 4.5mb

MOX 76.28 336 iP 11 18.80 0.1
1.1s 14.00nm 4.7mb
ZST 76.82 331 e(P) 11 21.50 -0.2
e 14 36.80
e 21 25.40
KHC 77.08 334 eP 11 23.00 -0.2
GRF 77.25 336 iPc 11 24.80 0.7
0.9s 13.00nm 4.8mb
CDF 79.48 337 eP 11 35.60 -0.8
0.8s 8.05nm 4.6mb

LOR 81.39 339 eP 11 46.20 -0.2
0.6s 6.30nm 4.6mb
HRI 81.51 311 eP 11 48.00 0.6
LBF 81.63 339 eP 11 47.10 -0.6
0.8s 5.35nm 4.4mb
SSF 81.67 339 eP 11 47.80 0.0
0.6s 4.50nm 4.5mb
AVF 81.96 339 eP 11 49.30 0.0
0.8s 6.70nm 4.5mb
SMF 81.98 339 eP 11 49.40 -0.1
0.6s 3.60nm 4.4mb
LPL 82.30 337 eP 11 52.00 0.6

LPG 0.8s 4.05nm 4.3mb
82.31 337 eP 11 52.10 0.5
0.6s 3.60nm 4.4mb
MAF 82.68 340 eP 11 53.60 0.5
0.5s 6.55nm 4.8mb
TCF 82.70 340 eP 11 53.30 0.0
0.6s 3.60nm 4.5mb
LSF 82.89 340 eP 11 54.20 0.0
0.8s 5.35nm 4.5mb
DSI 83.05 310 eP 11 55.70 0.5
CAF 84.02 340 eP 12 00.90 0.9
0.8s 7.40nm 4.7mb
PRNI 84.22 310 eP 12 01.90 0.7
S.D. = 0.7 on 52 of 55 obs.

? JUN 14, 1991 12h 04m 51.92±2.12s
6.637 S ±13.6km 147.737 E ±23.1km
DEPTH = 64.0 ± 11.8 km
4.6mb (4 obs.)

EAST PAPUA NEW GUINEA REGION (207)

LAT 0.73 269 iPd 05 07.30 0.3
YYYY 1.80 282 e(P) 05 26.40 5.0X
eS 05 56.70
MDG 2.39 305 eP 05 29.20 -0.2
PMG 2.81 192 ePd 05 35.40 -0.1
eS 06 19.00
QIS 15.93 209 eP 08 34.00 0.5
WB2 18.54 223 iPd 09 05.00 -1.0
0.2s 12.00nm 4.8mb
RMO 19.77 177 eP 09 19.00 -0.6
QLP 20.12 189 iPd 09 23.30 0.1
0.4s 78.00nm 5.4mb
ASPA 21.53 217 iPd 09 37.90 0.2
0.9s 20.30nm 4.5mb
eS 13 37.10
STK 25.76 192 eP 10 19.00 0.6
0.4s 2.80nm 4.1mb
WARB 27.97 224 eP 10 39.00 0.3
S.D. = 0.6 on 10 of 11 obs.

% JUN 14, 1991 12h 22m 47.32±1.16s
32.537 S ±16.9km 122.379 E ± 8.1km
DEPTH = 10.0km (geophysicist)
4.3mb (2 obs.)

WESTERN AUSTRALIA (590)

COOL 1.96 327 iPd 23 25.50 4.6X
eS 23 49.50
KLB 4.03 282 eP 23 52.00 1.6
eS 24 36.60
NWA0 4.35 263 eP 23 53.00 -2.0
0.4s 12.00nm
eS 24 45.00
RKG 4.92 244 eP 24 03.50 0.4
eS 25 01.00
FORR 5.16 72 eP 24 07.30 0.9
eS 25 04.00
BAL 5.21 290 eP 24 07.00 -0.1
eS 25 04.80
MUN 5.26 274 eP 24 08.50 0.7
eS 25 08.00
MRWA 6.41 299 eP 24 24.00 -0.1
eS 25 32.00
WARB 7.34 32 iPd 24 39.00 1.8
0.2s 5.00nm 5.3mb X
eS 25 59.00
NANU 11.64 327 eP 25 36.00 -0.5
eS 27 35.00
ASPA 13.46 52 eP 26 00.80 -0.1
0.5s 3.40nm 4.6mb
eS 28 20.30
WB2 16.49 43 iPd 26 37.80 -2.6
0.2s 2.80nm 4.0mb
e 29 30.80
S.D. = 1.5 on 11 of 12 obs.

JUN 14, 1991 12h 35m 34.29±0.20s
39.392 N ± 3.1km 138.957 E ± 3.8km
DEPTH = 33.0km (normal)
4.9mb (34 obs.)

EASTERN SEA OF JAPAN (223)

YAMJ 1.48 145 iP+ 35 58.80 -0.1
S 36 19.50
AOMJ 1.60 43 iP+ 36 00.10 -0.4
S 36 22.40

OFUJ 2.13 98 P 36 08.20 0.0
S 36 40.00
NIUJ 2.15 179 P 36 07.90 -0.6
eS 36 34.30
MAT 2.91 192 iPd 36 18.90 -0.4
iS 36 53.60
MTMJ 2.95 198 P 36 19.70 -0.2
KAKJ 3.32 163 eP 36 24.90 -0.3
CHJJ 3.34 179 P 36 26.00 0.6
MRRJ 3.43 27 P 36 25.90 -0.7
IIDJ 3.99 192 eP 36 35.70 0.9
HOOJ 4.44 46 eP 36 41.30 0.3
TSRJ 4.52 212 eP 36 42.70 0.5
ASAJ 5.47 29 P 36 56.20 0.7
KUSJ 5.70 48 eP 36 57.60 -1.2
WKYJ 5.82 209 eP 37 00.70 0.0
YONJ 6.06 228 eP 37 04.20 0.2
eS 38 13.80
TKSJ 6.68 218 eP 37 12.60 -0.1
CN2 11.03 298 eP 38 14.40 1.6
1.0s 10.00nm 5.0mb
Z 14s 0.70um 4.2MsZ
SNY 11.94 287 Pd 38 24.00 -1.1
Z 16s 0.80um
N 10s 0.70um
DL2 13.46 273 eP 38 50.00 4.7X
1.0s 10.00nm 4.7mb
eS 41 14.00
SSE 16.69 246 P 39 25.00 -2.2
1.0s 30.00nm 4.4mb
Z 20s 0.46um 4.5MsZ X
N 10s 0.23um
E 10s 0.23um
sS 42 48.00
BJ1 17.54 279 eP 39 37.50 -0.2
1.5s 29.00nm 4.2mb
Z 16s 0.58um 4.2MsZ
TIA 17.54 266 Pd 39 40.40 2.6
NJ2 17.87 252 Pd 39 45.50 3.6X
Z 16s 0.30um
E 12s 0.30um
TIY 20.79 274 eP 40 19.60 4.5X
Z 20s 0.50um 3.9MsZ
HHC 20.97 283 eP 40 16.60 -0.4
Z 20s 0.60um 4.0MsZ
BTO 22.16 282 eP 40 27.00 -2.0
N 14s 0.30um
E 13s 0.30um
eS 44 34.00
YAK 23.35 349 iPd 40 37.30 -2.9
iS 44 54.00
LZH 27.86 274 eP 41 26.00 3.0X
2.0s 29.00nm 4.6mb
Z 16s 0.29um 4.0MsZ X
GTA 30.09 283 eP 41 43.00 0.1
Z 20s 0.60um 4.2MsZ
CHTO 40.11 251 P 43 09.60 1.0
SVW 44.84 39 ePd 43 48.30 1.5
IMA 45.67 32 eP 43 54.30 0.9
1.7s 76.92nm 5.3mb
PMR 47.92 38 ePd 44 11.10 0.1
1.9s 97.22nm 5.5mb
FBA 48.17 33 ePd 44 14.00 1.1
TOA 49.24 37 eP 44 22.60 1.4
KLU 49.46 38 P 44 23.50 0.6
BALM 51.24 38 P 44 34.20 -2.4
MBC 54.82 17 eP 45 02.00 -0.9
WB2 59.18 185 iPd 45 33.20 -1.1
0.6s 7.20nm 5.0mb
WRA 59.18 185 P 45 33.00 -1.3
0.7s 5.00nm 4.8mb
YKA 62.74 30 eP 45 57.20 -0.8
0.9s 2.90nm 4.4mb
HFS 71.14 334 eP 46 47.70 -3.4X
0.8s 10.10nm 4.9mb
NB2 71.26 336 P 46 50.70 -1.2
0.9s 6.50nm 4.7mb
FFC 72.75 32 eP 47 01.00 0.2
1.1s 15.00nm 4.9mb
LRM 73.80 44 eP 47 07.80 0.4
VRI 75.68 318 iPd 47 17.00 -0.9
KRA 76.06 324 ePd 47 20.10 0.2
0.7s 21.00nm 5.2mb
e 47 22.70

MLR 76.34 318 eP 47 22.00 0.2
SPC 76.54 324 eP 47 22.20 -0.7
KSP 77.08 327 eP 47 25.50 -0.1

BRG 78.03 328 eP 47 31.30 0.5
0.8s 10.00nm 4.9mb
CLL 78.08 329 iPd 47 30.50 -0.6
0.9s 14.00nm 5.0mb
SRO 78.42 324 eP 47 33.50 0.5
PRU 78.46 327 Pd 47 33.70 0.5
1.2s 8.30nm 4.6mb
e 47 36.00
e 47 43.50
ZST 78.69 325 eP 47 35.00 0.5
e 20 27.20
KHC 79.52 327 iPd 47 39.00 -0.1
1.0s 7.00nm 4.6mb
e 47 41.40
GRF 80.06 329 iPd 47 42.60 0.7
1.1s 19.00nm 5.0mb
OHR 82.09 318 eP 47 52.60 -0.1
CDF 82.65 330 eP 47 55.70 0.1
0.8s 8.05nm 4.8mb
LOR 84.89 331 eP 48 06.80 -0.1
0.8s 8.05nm 5.0mb
LBF 85.09 331 eP 48 07.80 -0.1
0.8s 8.75nm 5.0mb
SSF 85.20 331 eP 48 08.30 -0.1
0.8s 8.05nm 5.0mb
LPL 85.22 329 eP 48 09.00 0.1
1.0s 12.00nm 5.1mb
LPG 85.23 328 eP 48 09.30 0.3
0.8s 6.70nm 4.9mb
SMF 85.42 331 eP 48 09.40 -0.1
0.8s 6.70nm 4.9mb
AVF 85.48 331 eP 48 10.00 0.2
0.8s 15.45nm 5.3mb
GRR 85.61 334 eP 48 10.60 0.2
0.6s 5.40nm 4.9mb
LPF 85.98 334 eP 48 12.70 0.4
0.8s 10.75nm 5.1mb
MAF 86.25 331 eP 48 14.10 0.4
0.9s 13.10nm 5.2mb
TCF 86.33 332 eP 48 14.40 0.3
0.8s 4.05nm 4.7mb
LSF 86.61 332 eP 48 15.50 0.0
0.8s 14.80nm 5.3mb
MFF 86.91 333 eP 48 17.50 0.6
0.8s 12.10nm 5.2mb
CAF 87.54 331 eP 48 20.90 0.9
0.8s 6.70nm 5.0mb
ZOBO 147.00 53 PKP 55 14.00 -0.1
1.1s 11.60nm 5.5 17.00

LPB 147.21 54 PKP 55 19.00 4.8X
CNCB 147.50 54 ePKP 55 17.00 2.1
i 55 19.20
S.D. = 1.0 on 71 of 77 obs.

* JUN 14, 1991 13h 28m 33.71±0.82s
39.436 N ± 7.5km 138.823 E ±14.1km
DEPTH = 31.8 ± 7.0 km
4.2mb (3 obs.) 4.5MsZ (1 obs.)

EASTERN SEA OF JAPAN (223)

YAMJ 1.58 143 P 28 59.50 -0.3
eS 29 21.80
AOMJ 1.64 46 P 29 01.00 0.4
S 29 23.10
NIUJ 2.20 176 eP 29 07.70 -1.0
eS 29 35.00
OFUJ 2.24 98 P 29 08.90 -0.4
eS 29 40.70
MAT 2.93 190 iPd 29 19.60 0.5
iS 29 54.10
MTMJ 2.96 196 eP 29 20.10 0.5
CHJJ 3.38 178 eP 29 29.00 3.4X
YAK 23.29 349 eP 33 37.80 -1.4
FBA 48.19 33 P 37 13.40 0.8
WB2 59.22 185 eP 38 34.10 0.0
0.7s 1.50nm 4.2mb
WRA 59.22 185 P 38 34.00 -0.1
0.7s 1.00nm 4.1mb
NAO 71.46 336 P 39 53.00 0.4
0.9s 3.20nm 4.4mb
ZOBO 147.06 53 PKP 48 20.00 6.2X
Z 20s 0.09um 4.5MsZ
LR 56 12.00
S.D. = 0.8 on 11 of 13 obs.

JUN 14, 1991 14h 08m 09.45±0.55s

14d 14h

49.118 N \pm 4.6km 6.870 E \pm 6.3km DEPTH = 5.0km (geophysicist)				CMB 1.15 64 iPd 29 08.71 -1.6 iS 29 25.12				FORR 49.45 244 eP 59 14.70 -0.4 0.3s 15.00nm 4.9mb			
GERMANY (543)				NWRM 1.32 315 eP 29 04.70 -8.4 PRI 1.61 149 eP 29 15.69 -1.8				WARB 50.71 250 eP 59 24.70 0.3 0.4s 10.00nm 4.5mb			
GWF 0.51 106 Pg 08 19.48 -0.3				FRI 1.67 108 iPd 29 16.80 -1.4 eS 29 37.64				HFS 136.63 351 ePKP 09 41.50 11.3X 0.6s 0.90nm			
WLF 0.72 320 iPd 08 23.18 -0.7				ORV 2.03 4 eP 29 22.62 -0.8 BONR 2.72 80 eP 29 32.20 -1.4				CLL 145.11 347 iPKP 09 45.40 0.0 S.D. = 0.7 on 13 of 14 obs.			
CDF 0.76 159 Pg 08 24.24 -0.4				14 obs. associated				* JUN 14, 1991 17h 37m 09.09 \pm 1.83s 36.450 N \pm 12.3km 141.524 E \pm 15.7km DEPTH = 47.3 \pm 20.8 km 4.6mb (2 obs.) NEAR EAST COAST OF HONSHU, JAPAN(228)			
WLS 0.78 155 Pg 08 24.58 -0.4				& JUN 14, 1991 15h 30m 11.05s 54.130 N 161.357 W DEPTH = 25.0km 4.2mb (2 obs.) ALASKA PENINSULA <PAL> (12)				KAKJ 1.12 258 iP+ 37 27.60 -1.0 S 37 38.50			
ECH 0.92 168 Pg 08 27.56 0.0				SDN 1.31 22 iP 30 32.60 -1.2				CHJJ 2.08 260 iP+ 37 41.20 -1.0 S 38 02.10			
VITF 1.08 213 Pg 08 30.11 0.0				TTA 9.25 15 eP 32 22.50 -3.4				YAMJ 2.09 326 iPd 37 42.90 0.6			
MOF 1.28 172 Pg 08 34.19 0.5				IMA 12.56 15 eP 33 09.00 -1.9				NIIJ 2.17 292 P 37 42.80 -0.7 S 38 07.30			
BSF 1.29 182 Pg 08 34.36 0.5				NAO 65.23 4 P 40 49.10 -2.9 0.8s 1.30nm 4.1mb				OFUJ 2.63 2 iPd 37 51.60 1.6			
FEL 1.46 148 Pg 08 37.26 0.7				HFS 66.02 3 eP 40 52.50 -4.5 0.3s 0.70nm 4.3mb				MAT 2.67 273 iPd 37 50.30 -0.4 iS 38 20.60			
ENN 1.76 340 ePn 08 41.50 0.7				5 obs. associated				MTMJ 3.00 274 iPd 37 55.20 -0.2			
LOMF 1.77 181 Pn 09 04.00 -0.5				* JUN 14, 1991 16h 17m 59.35 \pm 2.17s 38.866 N \pm 11.5km 25.989 E \pm 17.1km DEPTH = 10.0km (geophysicist) AEGEAN SEA (365) MD 3.6 (ISK). 3.2 (ATH).				IIDJ 3.09 253 P 37 57.70 1.2 S 38 31.20			
S.D. = 0.6 on 11 of 11 obs.				PRK 0.44 30 ePb 18 09.00 0.7 eSb 18 16.00				AOMJ 4.20 348 P 38 14.30 2.1			
? JUN 14, 1991 15h 10m 03.17 \pm 1.04s 40.699 N \pm 9.4km 23.023 E \pm 7.9km DEPTH = 5.0km (geophysicist) GREECE (364)				EZN 0.99 15 ePg 18 18.90 0.7 eSg 18 34.90				TSRJ 4.58 260 P 38 18.50 0.9			
THE 0.08 214 iPd 10 04.01 -1.0				IZM 1.10 115 iPn 18 20.50 0.4				MRRJ 5.98 357 P 38 36.90 -0.3 eS 39 42.40			
SOH 0.28 64 ePc 10 08.21 -0.6				KGT 1.88 32 iPn 18 32.00 0.2				HOOJ 6.08 12 eP 38 38.90 0.3 eS 39 42.30			
GRG 0.54 299 ePc 10 14.56 0.6				EDC 2.07 44 ePn 18 34.00 -0.5				KUSJ 7.08 19 eP 38 51.40 -1.2 S 40 06.10			
PAIG 0.92 147 ePc 10 22.26 1.1				BNT 2.11 44 iPn 18 34.50 -0.6				ASAJ 7.71 6 eP 38 59.50 -1.9			
S.D. = 1.7 on 4 of 4 obs.				MFT 2.16 27 ePn 18 35.00 -1.0				YAK 26.64 348 eP 42 44.10 -0.7			
* JUN 14, 1991 15h 13m 24.11 \pm 1.66s 4.109 S \pm 19.4km 153.726 E \pm 13.7km DEPTH = 152.2 \pm 12.1 km 4.8mb (4 obs.) NEW IRELAND REGION (190)				RDO 2.30 351 ePn 18 38.00 0.1				WB2 56.50 188 iPd 46 49.20 0.5 0.5s 4.80nm 4.8mb			
RAB 1.55 267 iPc 13 54.20 -0.5				CTT 2.95 39 ePn 18 47.00 -0.1				WRA 56.50 188 P 46 49.00 0.3 0.7s 2.70nm 4.4mb			
SVO 7.85 130 eP 15 22.00 5.3X				S.D. = 0.7 on 9 of 9 obs.				S.D. = 1.2 on 17 of 17 obs.			
MDG 8.00 262 iPd 15 20.60 1.9				JUN 14, 1991 16h 36m 15.01 \pm 0.81s 41.046 N \pm 7.7km 22.479 E \pm 6.8km DEPTH = 10.0km (geophysicist) YUGOSLAVIA (383) ML 1.6 (SKO).				* JUN 14, 1991 17h 59m 57.86 \pm 0.29s 21.944 S \pm 9.4km 138.988 W \pm 12.1km DEPTH = 0.0km (geophysicist) 5.2mb (18 obs.) TUAMOTU ARCHIPELAGO REGION (631)			
HNR 8.13 131 eP 15 21.00 0.6				GRG 0.11 214 iPc 36 18.32 0.5 eS 36 20.44				PLM 58.90 22 eP 10 01.00 -0.3			
PMG 8.38 231 eP 15 22.00 -1.8				VAY 0.28 14 iPg 36 20.80 -0.2 iSg 36 24.70				MWC 59.30 20 eP 10 05.00 0.9			
OIS 21.36 219 eP 18 00.00 -0.5				KNT 0.34 70 iPc 36 22.88 0.9 eS 36 28.16				RVR 59.31 21 eP 10 04.00 0.1			
RMQ 22.76 192 iPc 18 14.70 0.6				THE 0.55 138 ePc 36 26.72 0.5 eS 36 34.48				GLA 59.35 24 eP 10 05.00 0.7			
MTN 23.95 247 eP 18 28.00 2.3				SOH 0.70 108 ePc 36 27.44 -1.4 eS 36 39.76				SBB 59.80 20 eP 10 08.00 0.6			
QLP 24.12 201 iPc 18 27.60 0.3				FNA 0.88 253 ePd 36 31.60 -0.3 eS 36 43.40				TPC 59.86 22 eP 10 08.00 0.2			
0.7s 182.00nm 5.7mb				S.D. = 1.1 on 6 of 6 obs.				PRS 60.31 16 eP 10 11.80 1.1			
WB2 24.58 229 iPc 18 32.40 0.8				? JUN 14, 1991 16h 51m 21.04 \pm 4.29s 17.706 S \pm 30.4km 179.118 W \pm 39.3km DEPTH = 672.1 \pm 40.8 km 4.9mb (8 obs.) FIJI ISLANDS REGION (181)				PRI 60.31 17 eP 10 12.50 1.6			
0.3s 24.10nm 5.2mb				DZM 14.26 250 iPc 54 21.30 0.1				ISA 60.50 19 eP 10 13.00 0.9			
ASPA 27.28 223 eP 18 55.60 -0.8				RMO 30.96 248 eP 56 49.00 -0.1				LLA 60.69 17 eP 10 14.00 0.7			
0.7s 8.00nm 4.5mb				CNB 33.02 232 iPd 57 07.00 0.7 0.7s 38.00nm 5.1mb				GSC 60.70 21 eP 10 13.00 -0.5			
STK 29.89 201 iPc 19 18.40 -1.1				CAN 33.29 232 eP 57 08.40 -0.2				SAO 60.69 16 eP 10 14.30 0.9			
0.9s 4.50nm 4.2mb				BWA 33.39 234 eP 57 08.00 -1.4				GCC 60.81 16 eP 10 14.80 0.7			
FORR 35.93 219 eP 20 11.00 -0.5				TOO 36.78 230 iPc 57 37.80 0.7 0.7s 22.00nm 4.8mb				CLC 60.91 20 eP 10 15.00 0.1			
BAG 38.59 303 eP 20 33.00 -1.3				STK 38.14 241 eP 57 48.50 0.3 0.5s 7.70nm 4.5mb				MHC 61.19 16 eP 10 17.70 0.8			
S.D. = 1.4 on 13 of 14 obs.				WB2 43.99 259 iPc 58 34.40 0.1 0.5s 32.90nm 5.0mb				FRI 61.37 18 eP 10 18.30 0.3			
& JUN 14, 1991 15h 28m 48.30s 37.530 N 121.693 W DEPTH = 6.0km CENTRAL CALIFORNIA (39) <BRK>. ML 3.1 (BRK). Mo=1.4*10**14 Nm (BRK).				WRA 44.00 259 P 58 34.00 -0.4 0.6s 23.90nm 4.8mb				BKS 61.55 15 iPd 10 20.10 0.9 0.9s 39.00nm 5.6mb			
MHC 0.19 168 iPc 28 52.30 0.0				ASPA 44.20 254 iPd 58 36.50 0.6 0.8s 118.20nm 5.4mb				CMB 62.17 17 eP 10 23.80 0.4			
ARN 0.22 145 iPd 28 52.80 -0.1								TNP 63.11 19 ePc 10 28.50 -1.4 1.2s 14.11nm 5.1mb			
PCC 0.55 267 iPd 28 58.86 -0.4								ORV 63.32 15 eP 10 31.00 0.0			
BKS 0.55 309 iPc 28 59.20 -0.2								BWA 63.98 241 eP 10 33.90 -1.7			
GCC 0.55 206 iPd 28 59.00 -0.4								WDC 64.06 14 ePc 10 35.50 -0.3			
ZSP 0.61 313 ePd 29 00.45 -0.1								ALO 64.45 29 ePc 10 38.20 -0.5 1.0s 16.75nm 5.2mb			
SAO 0.79 165 iPc 29 03.40 -0.6								ANMO 64.46 29 ePc 10 37.00 -1.7 1.4s 37.79nm 5.4mb			
LLA 1.09 146 iPc 29 07.83 -1.4								RMQ 65.27 250 eP 10 45.00 1.0			
								TOO 65.79 238 eP 10 48.70 1.4			
								PV09 66.33 25 ePc 10 50.50 -0.3			
								LPB 66.63 99 P 10 56.00 2.6			
								CNCB 66.66 99 P 10 55.00 1.3			
								ZOB0 66.69 99 iPc 10 54.40 0.5 0.9s 30.28nm 5.5mb			
								ME0 68.23 35 iPd 11 01.50 -1.1			
								BW06 69.88 23 ePc 11 12.50 -0.4			

STK	0.9s	7.77nm			4.8mb	SAL	145.71	39 PKP	19 41.00	1.1		eS	20 15.70	
	70.11	243 eP	11 13.90	-0.4		BHG	145.78	34 ePKP	19 40.60	0.5	COOL	28.28 204 iPc	14 57.50	0.7
	0.9s	2.70nm			4.4mb		1.0s	93.00nm				0.5s	6.00nm	4.5mb
TUL	70.58	36 ePc	11 15.20	-1.7		CTI	146.12	38 PKPd	19 42.10	1.3	SSE	38.26 342 P	16 22.50	-0.7
	0.8s	20.50nm			5.3mb	KMR	146.21	33 iPKP+	19 42.20	1.5		1.0s	12.00nm	4.7mb
LRM	71.62	19 eP	11 24.20	0.8		FVI	146.42	36 PKP	19 42.40	1.3	NJ2	39.91 339 Pc	16 38.00	1.1
NEW	72.58	15 ePc	11 28.00	-0.8		KBA	146.43	35 iPKPc	19 41.80	0.4	WHN	40.39 333 eP	16 42.20	1.3
	1.5s	55.39nm			5.5mb		1.3s	52.70nm			CHG	42.21 305 eP	16 56.80	0.7
PNT	73.01	13 eP	11 31.00	-0.2		NDI	146.68	289 iPKPc	19 44.00	1.9	DL2	45.49 346 eP	17 22.30	0.1
FVM	75.06	38 iPd	11 42.80	-0.5		OBN	146.73	5 iPKPc	19 42.50	1.2	XAN	45.84 330 P	17 24.50	-0.7
	0.9s	25.42nm			5.3mb		1.0s	105.00nm			CD2	46.29 323 eP	17 28.20	-0.6
SES	76.15	18 eP	11 49.00	-0.3				e	19 57.00		TIY	47.34 336 Pc	17 36.70	-0.3
ASPA	78.98	249 eP	12 05.30	-0.3				e	20 10.00			S	24 20.50	
	1.1s	7.90nm			4.7mb	VKA	147.14	31 iPKPc	19 44.70	2.5	BJI	48.07 341 eP	17 42.50	0.0
WB2	79.81	253 iPc	12 11.10	0.9			1.3s	87.30nm				1.5s	29.00nm	5.1mb
	0.9s	4.90nm			4.5mb	VOY	147.38	36 ePKP	19 43.30	0.5		sP	17 55.00	
WRA	79.82	253 P	12 10.00	-0.2				e	19 45.30		CN2	49.50 352 eP	17 51.60	-1.9
	0.9s	5.80nm			4.5mb	KRA	147.40	25 ePKP	19 43.70	1.2	LZH	50.04 328 eP	17 58.00	-0.1
ADK	80.57	337 ePc	12 14.00	0.6			0.9s	80.00nm				2.0s	54.00nm	5.2mb
	1.3s	113.21nm			5.7mb			e	19 45.80			pP	18 08.00	34kmX
BLA	80.63	44 ePc	12 13.00	-1.2		SFI	147.43	41 PKPd	19 46.30	3.6X	HHC	50.39 338 P	18 01.30	0.7
	0.9s	16.53nm			5.0mb	TRI	147.50	37 ePKP	19 45.50	2.7	BT0	50.78 336 eP	18 02.40	-1.1
SLKM	82.66	354 ePc	12 24.50	0.3		ZST	147.56	30 ePKP	19 43.40	0.5	SHL	51.28 309 eP	18 07.20	-0.4
RSO	82.87	353 ePc	12 23.50	-2.0				i	19 46.40		LSA	54.00 313 P	18 28.80	0.6
PMR	83.64	355 ePc	12 29.70	0.6		CRE	147.64	41 PKP	19 45.60	2.3	GTA	54.65 328 P	18 32.60	0.2
	1.3s	88.68nm			5.8mb	LJU	147.72	36 ePKP	19 43.70	0.5		1.2s	10.00nm	4.7mb
SVW	83.84	352 ePc	12 30.00	-0.3		CEY	147.85	36 e(PKP)	19 46.50	3.0X		sP	18 45.60	
	1.0s	65.00nm			5.8mb	RIY	148.07	37 ePKP	19 46.80	3.1X	GUN	57.10 308 P	18 50.10	-0.5
MAW	89.26	188 eP	12 58.00	1.2		SPC	148.21	26 ePKP	19 44.90	0.8	PKI	57.32 307 P	18 51.80	-0.3
MBC	98.71	5 eP	13 40.00	0.3		ARV	148.32	41 PKP	19 48.40	4.1X	KKN	57.52 308 P	18 53.10	-0.2
	1.0s	4.00nm			5.1mb	SRO	148.40	30 ePKP	19 44.60	0.4	DMN	57.57 307 P	18 53.60	-0.2
CHG	125.87	278 ePKPd	19 05.00	0.8				i	19 48.00		GKN	58.12 308 P	18 57.50	0.0
	1.2s	20.70nm				VBY	148.45	36 ePKP	19 47.50	3.1X	WMO	64.36 324 P	19 39.50	0.3
KEV	131.44	6 ePKP	19 13.00	-0.2				i	19 49.00			1.0s	10.00nm	4.9mb
SOD	133.68	8 ePKP	19 19.00	1.4		PTJ	148.57	35 ePKP	19 46.00	1.3	N	17s	0.80um	
NAO	135.82	21 PKP	19 22.00	0.2		ZAG	148.64	35 ePKP	19 49.00	4.3X	E	17s	0.80um	
	1.1s	3.90nm				MNS	148.76	43 PKP	19 49.10	4.1X	YAK	67.19 358 eP	19 55.40	-1.5
GUN	139.05	288 PKP	19 21.40	-8.0X		POO	149.04	270 iPKPd	19 49.20	3.1X	QUE	73.30 304 iPd	20 36.10	1.1
PKI	139.46	287 PKP	19 23.00	-7.1X			1.0s	20.00nm			MAIO	80.91 308 eP	21 18.00	0.9
	1.0s	30.00nm				SDI	149.84	43 PKP	19 51.80	5.1X		S.D. = 1.1 on 38 of 42 obs.		
KKN	139.58	287 PKP	19 23.00	-7.2X		DUI	150.26	42 PKPd	19 53.70	6.3X		JUN 14, 1991 19h 23m 52.56± 0.47s		
DMN	139.73	287 PKP	19 23.70	-6.8X		MGR	151.79	44 PKP	19 50.20	0.6		15.639 S ± 6.1km 69.474 W ± 9.8km		
NUR	139.79	12 iPKP	19 24.40	-4.8X		MLR	153.47	24 ePKPd	19 54.00	2.0		DEPTH = 260.5 ± 6.1 km		
	0.9s	18.60nm				VAY	155.20	35 ePKP	19 55.40	1.1		4.4mb (3 obs.)		
		i	19 29.40				S.D. = 1.3 on 99 of 117 obs.				PERU-BOLIVIA BORDER REGION (118)			
WTS	140.06	33 ePKP	19 24.00	-5.9X			JUN 14, 1991 19h 09m 04.23± 0.33s				ZOBO	1.44 116 iPc	24 32.20	-0.2
	1.0s	11.00nm					5.283 S ± 4.9km 134.225 E ± 7.0km				LPB	1.59 124 iPc	24 34.00	0.6
GKN	140.15	288 PKP	19 23.60	-7.5X			DEPTH = 33.0km (norml)				CNCB	1.85 129 iPc	24 36.00	0.4
ENN	140.30	35 ePKP	19 31.00	0.6			4.8mb (10 obs.)				CCH	3.64 119 iPc	24 53.70	0.2
	1.0s	19.00nm				AROE ISLANDS REGION (204)					NNA	8.02 296 iPd	25 46.80	-0.2
NPA	143.16	177 ePKP	19 34.00	-2.5		MTN	8.11 202 eP	11 03.00	0.3			0.7s	23.29nm	4.3mb
MOX	143.27	32 iPKPc	19 32.90	-2.8			eS	12 34.00			ANT		eS	27 16.50
	1.7s	42.00nm				MNDI	9.43 96 eP	11 23.00	1.9		MDZ	8.07 186 e(P)	25 42.00	-5.5X
CLL	143.49	30 iPKP	19 34.20	-1.8		MNI	11.51 305 ePd	11 49.30	-0.1		PEL	17.18 178 i(P)	27 38.20	0.0
	1.5s	22.00nm				KNA	11.70 207 eP	11 50.30	-1.7			17.46 183 iPc	27 40.00	-1.2
		e(Sg)	28 10.00				0.4s	127.00nm	6.4mb X			0.5s	28.17nm	5.0mb
GRF	143.69	33 iPKPc	19 34.00	-2.4			eS	13 56.00			PCH	17.93 183 iPc	27 45.50	-0.6
LSD	143.76	42 PKP	19 34.64	-2.4		PMG	13.46 108 eP	12 13.50	-1.9		LVN	18.32 185 eP	27 49.00	-1.0
RRL	143.79	43 PKP	19 34.64	-2.4		WB2	14.57 180 eP	12 27.20	-2.9		VAO	22.45 113 (P)	28 31.00	0.0
RSP	143.97	42 PKP	19 35.16	-2.0			0.6s	18.70nm	4.7mb		SDV	24.39 357 iPd	28 48.60	-0.8
BHB	144.12	42 PKP	19 35.16	-2.2			i	12 38.30			CEOS	24.54 3 iPd	28 50.50	0.0
PZZ	144.18	43 PKP	19 35.98	-1.6			eS	15 02.30			OLLA	25.63 6 iP	29 00.00	-0.5
ORX	144.18	41 PKP	19 35.26	-2.3			e	16 38.20			LLAV	26.08 6 iP	29 04.00	-0.6
BRG	144.22	30 iPKPc	19 30.80	-6.5X		QIS	16.06 161 eP	12 46.00	-3.3X		TUL	57.00 335 e(P)	33 10.80	-2.7
	1.1s	30.00nm					e	12 50.00			ALO	61.35 326 eP	33 42.30	-1.1
GBA	144.41	263 PKPd	19 37.60	-1.0			eS	15 36.00				1.0s	5.75nm	4.1mb
	0.9s	7.10nm					i	17 40.70			ANMO	61.35 326 P	33 42.90	-0.5
STV	144.44	43 PKP	19 36.90	-1.1		ASPA	18.28 181 iPd	13 16.40	-0.8		GOL	64.42 330 P	34 02.70	-0.8
ENR	144.51	43 PKP	19 36.80	-1.3			0.9s	63.70nm	4.8mb		BAR	65.91 317 eP	34 14.00	1.1
VAI	144.54	40 PKPd	19 36.60	-1.3				eS	16 35.10		TPC	66.42 319 eP	34 17.00	0.9
ROB	144.77	43 PKP	19 37.51	-1.0		WARB	22.01 198 eP	13 59.90	2.3X		PLM	66.46 318 eP	34 17.00	0.5
WET	144.87	33 ePKP	19 37.50	-1.0			0.4s	19.00nm	4.9mb		RVR	67.20 318 eP	34 21.00	0.1
IMI	144.96	43 PKP	19 36.80	-2.1		QLP	23.24 157 iPc	14 13.00	3.4X		GSC	67.67 319 eP	34 25.00	1.1
FIN	145.02	43 PKP	19 38.03	-0.9			1.0s	462.00nm	5.9mb X		SBB	67.92 318 eP	34 26.00	0.5
PCP	145.07	42 PKP	19 38.13	-0.9				e	18 40.00		CLC	68.49 319 eP	34 30.00	1.1
PRU	145.11	30 ePKP	19 38.40	-0.4		NANU	24.93 225 eP	14 28.00	2.0		ISA	68.95 319 eP	34 33.00	1.3
	1.1s	73.40nm				RMQ	25.25 148 eP	14 30.00	1.0		TNP	69.71 321 ePc	34 37.00	0.5
		e	19 53.00					e	21 24.00		NVL	72.48 160 ePc	34 53.00	0.8
KHC	145.23	32 iPKPd	19 39.00	-0.1				e	22.10.00		WRA	137.59 214 PKP	42 49.00	1.0
	1.0s	33.50nm						e	14 38.00	5.0X		0.5s	0.90nm	
KSP	145.29	28 iPKP	19 38.80	-0.3		SVO	25.67 100 P	14 35.00	0.4		MAT	147.77 315 iPKPd	43 09.50	4.4X
	0.9s	58.00nm				HNR	25.83 101 eP	14 37.70	1.1			1.0s	20.00nm	
WTTA	145.39	36 iPKPc	19 39.60	0.0		FORR	26.08 192 eP	14 49.70	1.4		GKN	153.07 58 PKP	43 21.60	8.2X
	1.4s	81.80nm				STK	27.35 166 eP	14 12.10			DMN	153.60 59 PKP	43 23.20	8.9X
		i	19 47.70				1.1s	5.70nm	4.1mb		KKN	153.67 58 PKP	43 23.00	8.6X
		e	19 50.80					i	17 12.10					

14d 19h

PKI 153.86 59 PKP 43 23.10 8.3X
GUN 154.12 58 PKP 43 23.80 8.7X
S.D. = 1.0 on 29 of 36 obs.

& JUN 14, 1991 19h 31m 35.50s
60.133 N 141.281 W
DEPTH = 8.1km
SOUTHEASTERN ALASKA (19)
<AEIC> ML 3.0 (AEIC).

CTGM 0.84 358 iP 31 51.17 -0.8
S 32 03.08
BCPM 0.85 102 iP 31 51.18 -0.8
eS 32 03.31
YKU 0.98 126 eP 31 53.90 -0.3
S 32 07.07
TGL 0.99 310 iP 31 53.39 -1.1
BALM 1.05 330 iP 31 54.21 -1.3
eS 32 08.37
PNL 1.06 115 eP 31 54.27 -1.4
HON 1.39 118 iP 31 59.06 -2.2
S 32 17.31
GLB 1.81 318 eP 32 05.76 -1.4
eS 32 29.17
KLU 2.65 303 eP 32 17.57 -1.8
VLZ 2.68 294 eP 32 18.24 -1.4
VZW 2.76 292 eP 32 18.80 -2.1
GLI 2.97 287 eP 32 21.48 -2.3
TOA 3.09 312 eP 32 24.37 -1.1
KNIM 3.23 277 eP 32 24.55 -2.9
LTI 3.29 271 eP 32 25.79 -2.6
KNK 3.75 293 eP 32 32.45 -2.4
16 obs. associated

* JUN 14, 1991 19h 34m 10.42 ± 0.86s
56.049 N ± 16.7km 160.259 E ± 11.1km
DEPTH = 33.0km (normal)
4.6mb (7 obs.)

KAMCHATKA (217)

YAK 16.70 303 iPc 38 04.00 0.9
e 41 17.00
e 43 16.00
TTA 22.85 55 eP 39 13.20 1.7
SVW 23.19 59 eP 39 16.60 1.8
BRW 23.67 33 eP 39 21.20 2.0
IMA 23.85 47 ePc 39 22.50 1.2
KDC 25.45 66 eP 39 37.50 1.1
FBA 26.34 49 ePc 39 44.80 0.2
TOA 27.48 55 eP 39 52.60 -2.5
MBC 34.30 25 ePc 40 55.00 0.0
0.6s 3.00nm 4.4mb
PNT 46.46 63 eP 42 35.00 -0.6
SES 49.90 57 eP 43 01.00 -1.4
FFC 50.93 48 eP 43 08.50 -1.6
0.7s 10.00nm 4.9mb
NAO 61.00 343 P 44 21.10 -1.2
0.9s 6.00nm 4.7mb
HFS 61.17 342 eP 44 21.90 -1.5
0.4s 3.00nm 4.8mb
ALO 63.54 66 eP 44 38.00 -1.9
0.9s 3.78nm 4.5mb
CLL 69.62 339 eP 45 18.00 0.2
KHC 71.57 338 eP 45 30.00 0.3
WB2 78.81 205 iPd 46 12.60 1.4
0.6s 3.50nm 4.5mb
WRA 78.81 205 P 46 11.00 -0.2
1.8s 2.80nm 4.0mb
S.D. = 1.5 on 19 of 19 obs.

JUN 14, 1991 19h 42m 10.83 ± 0.61s
51.661 N ± 12.9km 178.404 E ± 6.0km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)

RAT ISLANDS, ALEUTIAN ISLANDS (6)

SMY 2.86 294 eP 42 54.90 -0.1
ADK 3.06 84 eP 42 57.70 -0.2
SVW 17.10 46 eP 46 10.40 1.8
PDB 17.34 51 P 46 12.00 0.4
TTA 17.70 41 eP 46 16.00 -0.1
IMA 20.15 34 eP 46 44.90 0.1
PMR 20.22 48 eP 46 44.70 -0.6
KLU 21.70 49 P 46 59.00 -1.5
TOA 21.70 47 eP 47 00.20 -0.4
FBA 21.82 40 eP 47 02.20 0.6
YKA 36.30 46 eP 49 13.00 0.3

TNP 0.7s 2.70nm 4.3mb
46.13 81 P 50 33.00 -0.8
0.8s 2.94nm 4.3mb
GUN 70.12 290 P 53 22.40 0.2
KKN 70.56 290 P 53 24.60 -0.1
PKI 70.65 290 P 53 25.20 -0.2
GKN 70.78 291 P 53 25.20 -0.8
DMN 70.80 290 P 53 26.20 0.0
WRA 81.04 221 P 54 25.00 1.4
0.8s 1.50nm 4.0mb
S.D. = 0.8 on 18 of 18 obs.

JUN 14, 1991 20h 06m 50.25 ± 0.16s
20.070 S ± 3.5km 175.986 W ± 3.5km
DEPTH = 224.7km (5 depth phases)
5.2mb (33 obs.)

TONGA ISLANDS (173)

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 19S, 38C

Centroid Location:

Origin Time 20:06:55.4 0.7

Lat 19.91S 0.08 Lon 175.80W 0.06

Dep 219.2 2.8 Half-duration 2.4

Moment Tensor; Scale 10**17 Nm

Mrr=-0.13 0.06 Mtt=0.67 0.11

Mff=-0.54 0.11 Mrt=-0.51 0.07

Mrf=-1.21 0.07 Mtr=1.00 0.09

Principal Axes:

T Vol=1.85 Plg=30 Azm=141

N -0.19 41 20

P -1.66 34 254

Best Double Couple: Mo=1.8*10**17

NP1: Strike=286 Dip=42 Slip=-3

NP2: 19 88 -131

KRO 5.17 301 iPc 08 07.90 -0.2
OVA 5.49 295 eP 08 12.90 0.8
SVA 5.60 289 ePc 08 15.20 1.7
VUN 5.64 290 ePc 08 15.00 1.1
NDE 5.65 307 ePc 08 14.30 0.1
MBU 5.89 301 ePc 08 17.20 0.0
SGE 6.27 292 ePc 08 24.10 1.9
AFI 7.33 34 iPd 08 27.30 -8.4X
eS 09 39.00
PVC 15.04 276 iPc 10 17.50 4.3X
BKM 15.12 276 iPc 10 18.50 4.3X
DZM 16.52 260 iPc 10 33.10 1.8
iS 13 38.60
HBZ 18.16 195 P 10 49.70 1.2
PUZ 18.62 194 eP 10 53.10 -0.2
NOZ 19.19 194 P 10 59.30 0.2
WHH 19.84 198 eP 11 04.50 -1.3
NGZ 20.38 199 eP 11 10.60 -0.6
MNG 21.74 198 P 11 22.20 -2.1
0.3s 34.00nm 5.4mb
eS 15 06.80
DIW 22.39 200 eP 11 30.00 -0.6
MRW 22.54 199 eP 11 31.50 -0.4
WEL 22.57 198 P 11 33.00 0.7
S 15 32.00
TCW 22.65 199 eP 11 31.00 -2.1
THZ 23.59 201 P 11 42.80 0.6
KHZ 23.97 199 P 11 46.30 0.7
LTZ 24.71 201 P 11 52.30 -0.2
HNR 25.53 291 P 12 00.00 -0.2
SVO 25.77 291 P 12 02.00 -0.4
BRS 29.46 250 iPd 12 36.00 0.6
i 13 31.00 283kmX
0.8s 141.00nm 5.6mb
i 13 20.70 59kmX
e 19 12.40
CNB 34.03 236 ePc 13 15.60 0.6
1.0s 60.00nm 5.2mb
CAN 34.32 236 eP 13 17.50 0.1
BWA 34.53 238 eP 13 16.90 -2.3
e 14 13.70 286kmX
CMS 36.05 244 iPc 13 32.50 0.6
e 14 21.70 234kmX
OLP 36.99 252 iPc 13 40.90 1.0
0.6s 171.00nm 5.8mb
PMG 37.11 281 iPd 13 40.60 -0.4
1.0s 264.00nm 5.8mb
TOO 37.68 234 eP 13 46.00 0.4
i 13 47.40 5kmX
e 14 35.00

TAU 38.26 225 eP 13 54.00 3.7X
STK 39.68 244 eP 14 02.80 0.7
0.3s 6.60nm 4.6mb
ePcP 16 05.70
eScP 19 36.10
eS 19 48.10
MDG 39.98 286 eP 14 05.00 0.3
QIS 41.55 261 eP 14 17.00 -0.6
i 19 44.00
ASPA 46.46 256 iPd 14 56.20 -0.6
0.4s 135.50nm 5.7mb
iPcP 20 04.20
eS 21 23.50
WB2 46.52 261 iPc 14 56.20 -1.1
0.3s 102.20nm 5.7mb
eS 21 25.60
WRA 46.53 261 P 14 56.00 -1.4
0.3s 78.50nm 5.6mb
GUA 50.94 308 eP 15 30.70 -0.4
0.9s 255.46nm 5.7mb
GUMO 51.01 308 eP 15 30.90 -0.7
PJG 51.01 308 eP 15 30.60 -1.0
MTN 51.05 269 eP 15 31.00 -1.0
FORR 51.16 246 eP 15 31.50 -1.1
0.3s 20.00nm 5.1mb
KNA 52.56 265 eP 15 41.00 -2.1
WARB 52.76 252 eP 15 43.50 -1.0
0.3s 17.00nm 5.1mb
COOL 57.13 246 eP 16 15.00 -0.9
0.3s 2.00nm 4.3mb
KLB 59.94 244 eP 16 34.00 -1.2
0.4s 11.00nm 4.9mb
NWA0 60.25 243 eP 16 38.00 0.7
Z 20s 0.40um 4.6msz
BAL 60.96 245 eP 16 40.00 -2.1
0.3s 4.00nm 4.6mb
MUN 61.21 244 eP 16 43.00 -0.8
NANU 63.33 254 iPd 16 57.00 -0.9
CSY 65.16 205 eP 17 10.50 1.6
0.3s 22.90nm 5.4mb
KAKJ 69.65 323 P 17 36.50 -0.7
TRT 69.95 269 iPd 17 38.00 -1.5
SPA 70.05 180 iPc 17 41.50 2.0
1.0s 45.00nm 5.2mb
CHJJ 70.21 322 P 17 39.70 -0.9
MAT 71.00 322 iPd 17 44.30 -1.1
0.8s 19.40nm 4.9mb
eS 26 46.00
NIIJ 71.05 323 P 17 44.60 -1.0
MTMJ 71.27 322 P 17 46.30 -0.8
TSRJ 71.62 320 P 17 48.60 -0.5
ADK 71.64 360 eP 17 47.50 -1.3
KUSJ 72.51 331 iPd 17 53.30 -0.8
SMY 73.00 354 P 18 06.60 9.9X
ASAJ 74.25 330 iPd 18 04.90 0.7
SYP 76.03 45 eP 18 15.00 0.4
PRS 76.21 43 eP 18 16.00 0.6
GCC 76.25 42 eP 18 16.00 0.4
BCH 76.35 44 P 18 16.40 0.0
PRI 76.55 43 eP 18 17.80 0.4
LLA 76.66 43 eP 18 18.30 0.4
MHC 76.66 42 eP 18 17.90 -0.2
ABL 76.72 45 P 18 18.50 -0.1
ARN 76.74 42 P 18 18.30 -0.1
PLM 77.46 47 eP 18 23.00 0.4
SBB 77.56 46 eP 18 23.00 0.0
FRI 77.67 43 eP 18 23.70 0.3
ISA 77.69 45 eP 18 24.00 0.3
CMB 77.87 42 ePd 18 24.50 -0.1
ORV 78.12 40 eP 18 25.90 0.0
WDC 78.15 39 ePd 18 25.80 -0.2
CLC 78.36 45 eP 18 27.00 -0.4
TPC 78.44 47 eP 18 28.00 0.2
GSC 78.60 46 iPd 18 29.00 0.3
GLA 78.72 49 eP 18 30.00 0.7
BONR 79.15 43 P 18 31.30 -0.5
pP 19 25.40 225km
TNP 79.92 43 P 18 35.70 -0.1
0.8s 6.86nm 4.4mb
pP 19 28.20 217km
KVN 79.92 42 P 18 35.60 -0.2
KDC 79.96 13 eP 18 35.20 -0.1
AIA 80.62 157 eP 18 42.00 3.2X
NJ2 81.07 309 Pd 18 42.50 0.8
MDJ 81.27 324 Pc 18 43.00 0.6
KGM 81.95 275 ePd 18 47.80 1.1

LON	82.49	34	P	18	48.60	-0.2	BRG	148.27	348	iPKPd	26	10.70	3.5X	S.D. = 1.0 on 139 of 195 obs.			
SVW	82.54	10	eP	18	46.70	-2.0		1.0s	28.00nm					JUN 14, 1991 22h 52m 11.74±1.76s			
MAW	82.60	199	eP	18	51.00	2.0			i	26	20.60			45.112 N ± 6.2km 7.369 E ±17.3km			
DL2	82.73	316	iPc	18	50.80	0.7			e	26	54.00			DEPTH = 10.0km (geophysicist)			
	1.0s	90.00nm			5.5mb				i	27	08.80			NORTHERN ITALY (545)			
		eS	28	48.00			BHL	148.76	303	PKP	26	12.50	3.8X	RSP 0.09 297 P 52 14.46 0.0			
RMW	82.95	34	P	18	50.80	-0.4	MLR	148.85	329	ePKP	26	14.00	5.5X	S 52 16.21			
SNY	83.11	319	Pd	18	51.80	-0.1			e	44	18.00			BHB 0.28 196 P 52 17.64 0.0			
CN2	83.13	322	iPd	18	52.30	0.3	HRI	148.88	302	iPKPd	26	14.00	5.1X	S 52 21.43			
	1.0s	40.00nm			5.1mb		MOX	148.90	351	iPKP	26	12.70	4.5X	LSD 0.38 337 P 52 18.97 -0.6			
		eS	28	52.00				1.6s	40.00nm					RRL 0.46 245 P 52 20.51 -0.6			
MSU	83.46	45	P	18	55.00	0.9	PRU	148.99	347	PKPd	26	13.20	4.8X	PZZ 0.64 198 P 52 23.69 -0.9			
WHN	83.72	306	eP	18	56.00	0.7		1.1s	15.30nm					S 52 32.30			
PMR	84.18	13	ePd	18	56.60	-0.2			e	26	23.20			S.D. = 0.6 on 5 of 5 obs.			
TTA	84.21	9	eP	18	57.90	0.8	ENN	149.33	358	ePKP	26	14.00	5.2X	JUN 15, 1991 00h 00m 20.52±0.38s			
IPM	84.99	277	ePd	19	08.40	6.4X	PSZ	149.38	339	iPKP	26	13.80	4.6X	44.658 N ± 2.6km 6.947 E ± 4.2km			
	0.9s	57.70nm			5.4mb		JVI	149.57	299	iPKPd	26	15.70	5.8X	DEPTH = 7.2 ± 4.4 km			
PNT	85.25	33	eP	19	03.00	0.5	GRF	149.89	351	iPKPd	26	15.20	5.4X	FRANCE (538)			
	0.8s	16.00nm			4.9mb				e	26	21.70			ML 2.2 (LDG).			
TOA	85.26	14	ePd	19	02.80	0.4	SRO	149.99	341	ePKP	26	14.00	4.1X	PZZ 0.19 144 P 00 24.73 0.2			
ALO	85.66	51	eP	19	05.00	-0.2	KHC	150.01	347	iPKPd	26	15.40	5.4X	S 00 27.84			
	1.0s	13.75nm			4.7mb			1.0s	16.00nm					DOI 0.26 126 P 00 26.00 0.0			
		eP	20	00.00	226km		ZST	150.01	342	iPKP	26	15.10	5.1X	RRL 0.29 336 P 00 26.46 0.0			
ANMO	85.67	51	P	19	06.00	0.8	BUD	150.05	339	e(PKP)	26	15.00	5.0X	S 00 30.96			
	1.0s	49.38nm			5.3mb		VKA	150.17	343	i(PKP)	26	16.60	6.4X	BHB 0.29 51 P 00 26.92 0.4			
		pP	20	00.00	222km		RMN	150.52	297	iPKPd	26	17.80	6.4X	S 00 31.07			
NEW	85.93	35	P	19	05.00	-0.9	FLN	151.15	6	ePKP	26	17.10	5.5X	BNI 0.44 334 P 00 28.50 -0.9			
	0.8s	5.73nm			4.5mb		LDF	151.35	6	ePKP	26	17.70	5.7X	STV 0.49 147 P 00 30.15 -0.3			
SNG	86.28	279	eP	19	10.00	1.7	MFT	151.37	321	ePKP	26	17.00	4.6X	RSP 0.54 24 P 00 32.11 0.7			
BJI	86.93	315	eP	19	11.00	0.2	GRR	151.48	7	ePKP	26	17.70	5.6X	S 00 40.30			
	2.0s	120.00nm			5.4mb			0.6s	10.80nm					ENR 0.55 142 P 00 31.42 -0.1			
FBA	87.43	12	ePd	19	12.10	-0.6	KGT	151.56	321	ePKP	26	19.00	6.5X	ROB 0.75 118 P 00 35.23 -0.3			
IMA	87.52	9	ePd	19	13.40	0.1	CDF	151.60	355	ePKP	26	18.40	5.9X	LSD 0.81 10 P 00 37.42 0.7			
TIY	88.41	311	Pd	19	18.50	0.4	LPF	151.81	7	ePKP	26	18.80	6.2X	S 00 47.57			
		pP	20	05.50	189kmX		ELL	151.94	312	iPKP	26	20.30	6.9X	LPG 0.85 351 Pg 00 37.10 -0.3			
GOL	88.64	47	P	19	19.00	-0.4	KBA	152.00	346	iPKPc	26	19.40	6.2X	S8F 0.87 156 Pg 00 38.20 0.7			
	0.9s	4.92nm			4.4mb			0.7s	8.20nm					Sg 00 48.80			
NVL	89.24	183	ePc	19	23.00	1.6	HAU	152.07	357	ePKP	26	19.50	6.4X	LPL 0.87 350 Pg 00 37.30 -0.4			
XAN	89.38	307	P	19	23.50	0.8		0.8s	10.75nm					CKI 0.98 103 P 00 39.00 -0.4			
HHC	90.41	314	P	19	28.40	1.0		0.6s	16.25nm					FIN 1.01 116 P 00 38.57 -1.3			
SES	90.42	35	eP	19	26.00	-1.1			i	26	25.80			IMI 1.01 137 P 00 39.27 -0.7			
KMI	90.85	296	Pd	19	31.00	1.1	ELL	151.94	312	iPKP	26	20.30	6.9X	FRF 1.12 191 Pg 00 42.10 0.4			
	2.0s	90.00nm			5.4mb		KBA	152.00	346	iPKPc	26	19.40	6.2X	Sg 00 56.60			
BDT	91.28	288	eP	19	31.60	-0.1			i	26	28.20			PCP 1.15 95 P 00 43.42 1.1			
	0.9s	41.20nm			5.4mb			0.6s	17.70nm					LRG 1.27 200 Pg 00 44.60 0.2			
BTO	91.36	313	eP	19	32.50	0.7	HAU	152.07	357	ePKP	26	19.50	6.4X	Sg 01 02.20			
MEO	91.43	53	e(P)	19	22.50	-9.6X	WTTA	152.17	349	iPKPd	26	20.30	6.8X	LMR 1.36 194 Pg 00 46.40 0.6			
CHG	91.88	289	ePd	19	35.90	1.4		0.6s	17.70nm					Sg 01 04.20			
	1.0s	22.25nm			5.1mb				i	26	25.80			S.D. = 0.7 on 20 of 20 obs.			
YAK	92.41	337	eP	19	34.90	-1.0	BSF	152.21	356	ePKP	26	19.40	6.0X	JUN 15, 1991 00h 59m 20.31±0.12s			
		e	23	16.00				1.0s	12.00nm					42.461 N ± 2.6km 44.009 E ± 1.6km			
YKA	95.34	24	eP	19	48.30	-1.1	PTJ	152.42	342	ePKP	26	11.00	-2.7	DEPTH = 9.4km (geophysicist)			
	1.0s	3.00nm			4.5mb		LJU	152.69	344	ePKP	26	14.50	0.5	6.1mb (106 obs.) 6.1msz (22 obs.)			
GTA	98.17	309	eP	20	03.00	0.1	VOY	152.86	345	ePKP	26	14.20	-0.1	WESTERN CAUCASUS (362)			
	1.2s	10.00nm			5.1mb				e	26	21.50			Ms 6.5 (BRK). Mo=4.0+10+18 Nm			
		SKS	30	17.00			LOR	152.87	0	ePKP	26	21.00	6.8X	(PPT). At least 8 people killed,			
KKN	106.54	294	PKP	25	00.00	9.3X		1.0s	16.00nm					200 injured and extensive damage			
QUE	122.75	294	ePKP	25	22.30	0.9	VBY	152.99	342	ePKP	26	15.00	0.6	(VIII) in the Dzghva-Tskhinvali			
MAIO	129.15	301	ePKP	25	34.00	0.5			i	26	22.70			area, USSR. Felt (VI) at			
		i	28	36.00					i	26	32.00			Kutaisi, Sukhumi and Tbilisi and			
BUL	133.34	213	iPKPd	25	43.00	1.1	SSF	153.07	1	ePKP	26	21.70	7.2X	(V) in northwestern Azerbaijan.			
		i	28	52.20				1.0s	12.00nm					Landslides occurred at Khiet.			
MTD	134.46	218	iPKPd	25	46.00	2.0	LBF	153.15	0	ePKP	26	21.60	6.9X	Two events about 2 seconds			
		i	28	55.70				0.6s	3.15nm					apart. Depth from broadband			
KRI	135.54	216	iPKPd	25	47.80	1.6	MFF	153.32	6	ePKP	26	21.70	6.9X	displacement seismograms, based			
		i	28	59.10				0.6s	3.60nm					on second event.			
NAO	139.00	355	PKP	25	44.50	-6.6X	AVF	153.34	1	ePKP	26	21.90	7.1X	FAULT PLANE SOLUTION: P-Waves			
	0.8s	2.40nm						1.0s	4.00nm					NP1:Strike=145 Dip=60 Slip= 90			
HFS	139.39	353	ePKP	25	41.70	-10.1X	BGF	153.56	2	ePKP	26	22.60	7.4X	NP2: 325 30 90			
	0.4s	1.50nm						0.9s	8.20nm					Principal Axes:			
EKA	144.38	7	PKPc	25	58.80	-1.9	SKO	153.65	330	iPKP	26	15.00	-0.4	T P1g=75 Azm= 55			
	0.7s	12.30nm							e	26	23.00			P 15 235			
DMU	145.21	11	ePKP	26	01.80	-0.4			e	26	37.00			Comment: The focal mechanism is			
DCN	145.66	12	ePKP	26	03.50	0.6	LSF	153.81	4	ePKP	26	22.80	7.3X	poorly controlled and			
KAS	147.02	317	iPKPd	26	09.30	3.7X		0.8s	6.70nm					corresponds to reverse			
KRA	147.51	341	ePKP	26	18.50	12.5X	TCF	153.81	3	ePKP	26	23.10	7.5X				
KSP	147.79	345	iPKPd	26	09.60	3.1X		0.6s	3.60nm								
		i	26	12.80			MAF	153.89	2	ePKP	26	23.30	7.7X				
		e	26	21.90				0.8s	7.40nm								
		e	29	29.90			LPL	154.52	356	ePKP	26	26.50	9.7X				
CLL	148.03	349	iPKPd	26	10.00	3.2X		0.8s	2.70nm								
	1.0s	38.00nm					LPG	154.54	356	ePKP	26	27.40	10.5X				
		iP	27	07.80				0.8s	5.35nm								
WTS	148.06	357	ePKP	26	10.00	3.2X	LIC	163.67	146	PKP	26	28.00	0.3				
	0.8s	23.00nm					KIC	163.94	147	PKP	26	28.00	0.0				
SPC	148.17	340	ePKP	26	11.00	3.6X	TIC	164.03	145	PKP	26	28.60	0.5				

15d 00h

faulting. The preferred fault plane is NP2.

RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy $2.0 \pm 0.4 \times 10^{13}$ Nm

MOMENT TENSOR SOLUTION

Dep 21 No. of sta: 15
Moment Tensor; Scale 10^{18} Nm
Mrr= 1.48 Mtt=-0.29
Mff=-1.19 Mrt=-0.09
Mrf= 0.30 Mtf= 0.58

Principal axes:
T Val= 1.51 Plg=84 Azm=263
N -0.01 2 154
P -1.50 6 64

Best Double Couple: Ma=1.5+10+18
NP1: Strike=152 Dip=39 Slip= 87
NP2: 336 51 93

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 19S, 42C

Centroid Location:

Origin Time 00:59:18.3 0.5

Lat 42.58N 0.06 Lon 43.07E 0.06

Dep 15.0 BDY Half-duration 5.1

Moment Tensor; Scale 10^{18} Nm

Mrr= 2.00 0.08 Mtt= 0.76 0.09

Mff=-2.76 0.09 Mrt= 1.17 0.20

Mrf= 0.69 0.38 Mtf= 0.83 0.10

Principal Axes:

T Val= 2.89 Plg=56 Azm=341

N 0.09 33 173

P -2.98 5 79

Best Double Couple: Ma=2.9+10+18

NP1: Strike=138 Dip=49 Slip= 44

NP2: 16 58 130

BKR 0.81 207 iP 59 35.00 -1.3

TAB 4.73 157 eP 00 35.00 1.4

KVT 6.11 260 iPn 00 51.90 -1.0

GAZ 7.43 227 eP 01 11.80 0.3

SIM 7.59 292 eP 01 13.00 -0.7

KAS 7.72 265 ePn 01 14.50 -1.0

KER 8.45 162 eP 01 28.00 2.1

IR7 8.48 141 ePc 01 27.00 0.8

IR1 8.75 141 ePd 01 31.00 1.0

TEH 8.83 137 eP 01 31.00 0.0

IR5 8.87 143 eP 01 33.50 1.9

IR4 8.99 141 ePc 01 34.50 1.2

EYL 10.56 264 eP 01 56.00 1.1

BHL 10.77 220 Pd 01 56.00 -1.8

FAM 10.79 230 e(P) 01 55.20 -2.8

HRT 10.86 266 iP 01 58.00 -0.9

GBZT 11.03 266 eP 02 02.00 0.8

IZI 11.13 264 eP 02 06.00 3.4X

CSS 11.20 232 eP 02 04.50 0.9

ISK 11.26 268 iP 02 04.50 0.2

ITU 11.28 268 iPd 02 04.00 -0.6

BCK 11.44 249 iP 02 08.00 1.1

PSN 11.64 281 iP 02 05.00 -4.5X

ADI 11.66 219 eP 02 10.30 0.6

CTT 11.71 269 iP 02 08.40 -2.0

GLH 11.77 217 eP 02 12.60 1.4

CFR 11.77 289 eP 02 10.00 -1.3

KHL 11.79 254 iP 02 13.80 2.1

PPCY 11.84 234 eP 02 14.00 1.8

ATZ 11.85 219 eP 02 13.40 1.0

MML 12.11 217 eP 02 16.80 0.9

BNT 12.26 266 iP 02 19.00 1.1

ELL 12.28 247 iP 02 20.80 2.6X

EDC 12.31 266 iP 02 18.00 -0.5

IAS 12.59 298 eP 02 22.00 -0.3

MFT 12.63 268 eP 02 23.00 0.1

KGT 12.70 267 eP 02 23.50 -0.2

VRI 12.87 291 ePd 02 25.00 -1.0

JMB 12.87 276 iP 02 24.00 -2.0

YER 13.21 251 iP 02 32.80 2.2

PTT 13.31 296 eP 02 30.00 -1.8

MLR 13.36 289 iPc 02 32.00 -0.6

IZM 13.39 258 eP 02 34.10 1.2

MAIO 13.46 112 eP 02 30.00 -3.9X

OBN 0.9s 121.91nm 5.9mb

13.55 342 iPc 02 32.60 -2.3

1.5s 637.00nm 6.4mb

Z 14s 101.00um 4.3MsZ

N 14s 95.00um

E 18s 44.00um

ePP 02 46.00

ePPP 02 53.00

i 03 40.00

eS 04 56.00

iSS 05 16.00

eSSS 05 37.00

EZN 13.59 265 iP 02 37.20 1.7

DIM 13.70 275 iP 02 35.00 -1.9

eS 05 00.00

PVL 13.73 279 iPd 02 35.00 -2.4

iS 05 06.00

ARG 13.78 248 eP 02 40.30 2.3

PRK 13.81 262 eP 02 41.00 2.6X

KDZ 13.84 273 iPd 02 38.00 -0.9

RDO 13.85 271 eP 02 38.60 -0.3

CMP 13.97 288 iPc 02 42.00 1.4

PLD 14.30 275 eP 02 42.00 -2.9

SAGI 14.34 215 eP 02 45.10 -0.4

RZN 14.35 273 iP 02 44.00 -1.8

TNR 14.54 289 ePd 02 49.00 0.9

PGB 14.64 277 iP 02 48.00 -1.4

VTS 15.34 278 iP 02 58.00 -0.6

iS 05 40.00

BMR 15.39 297 eP 03 00.00 1.0

DEV 15.52 290 ePc 03 03.00 2.2

GZR 15.57 288 ePd 03 01.00 -0.5

VAY 16.01 273 iP 03 08.00 0.9

1.6s 1804.00nm 6.0mb

i 03 11.50

NPS 16.01 249 eP 03 09.00 1.8

ATH 16.13 261 eP 03 12.00 3.4X

eS 06 24.40

HLW 16.19 223 eP- 03 08.50 -0.9

eS 06 16.00

UZH 16.39 300 iPd 03 01.00 -10.9X

eS 06 20.00

TIM 16.68 289 iPd 03 16.00 0.4

SKO 16.72 276 eP 03 17.50 1.3

1.5s 1213.00nm 5.8mb

Z 16s 30.62um 4.1MsZ

N 13s 34.89um

E 14s 33.49um

i 03 21.50

i 03 24.40

iPP 03 27.60

iPPP 03 37.30

iS 06 28.00

i 06 39.80

iSS 06 47.00

i 07 02.50

i 07 25.00

i 07 44.00

LR 11 40.00

KZN 16.82 270 eP 03 21.40 3.8X

VLI 17.21 258 eP 03 24.30 2.0

OHR 17.36 273 iPc 03 25.50 1.3

1.2s 1459.00nm 6.0mb

i 03 30.20

i 03 56.10

PHP 17.51 275 iPd 03 27.50 1.5

PVY 17.71 279 iPd 03 31.10 2.4

IYA 17.73 280 iPd 03 31.30 2.4

PSZ 17.82 296 iP 03 29.30 -0.7

SPC 17.83 300 eP 03 28.50 -1.8

i 03 37.40

i 04 53.90

e(S) 07 00.00

TIR 18.00 275 iPc 03 39.20 7.1X

PLE 18.04 281 iPd 03 34.87 2.0

SDA 18.14 277 iPd 03 35.40 1.5

KRA 18.24 303 iPd 03 33.10 -2.0

1.0s 496.00nm 5.6mb

Z 22s 48.10um 4.5MsZ

E 22s 74.70um

e 03 34.40

i 03 40.90

i 03 48.40

iS 07 07.00

SRN 18.25 270 iP 03 36.50 1.3

TTG 18.25 278 iPc 03 36.25 1.0

ULC 18.34 277 iPc 03 38.95 2.6X

BUD 18.34 294 e(P) 03 36.00 -0.3

VLS 18.35 264 eP 03 37.30 0.8

NKY 18.39 280 iPc 03 37.53 0.4

KEK 18.44 270 eP 03 38.60 1.0

UZD 18.56 292 e(P) 03 35.00 -4.1X

BDV 18.59 278 iPc 03 39.88 0.4

BRV 18.71 280 iPd 03 39.62 -1.5

HCY 18.81 279 iPd 03 42.55 0.4

SRO 18.86 295 iP 03 42.50 -0.2

i 03 46.90

i 04 11.40

e 06 52.80

PUL 19.27 339 iPc 03 46.00 -1.6

iS 07 16.00

LCI 19.64 273 P 03 49.20 -2.9

ZST 19.71 296 eP 03 51.50 -1.3

i 03 56.50

i 04 32.80

e 07 37.90

BRT 20.06 275 P 03 55.80 -0.7

HVAR 20.20 281 iPc 03 56.50 -1.4

VKA 20.24 296 ePc 03 58.00 -0.3

0.4s *****nm 7.6mb X

Z 10s 26.10um 5.9MsZ

i 04 02.00

iS 07 53.00

LR 13 47.00

BAI 20.26 275 P 03 57.00 -1.5

ZAG 20.35 289 eP 03 58.50 -0.9

iS 08 56.00

ASW 20.52 210 iPc 03 59.00 -2.4

eS 07 54.00

KSP 20.69 303 eP 04 01.50 -1.5

1.3s 1006.00nm 6.0mb

i 04 06.60

iS 07 50.00

i 08 12.50

FC3 20.81 277 P 04 03.30 -1.0

ORI 20.82 273 P 04 04.40 0.0

VBY 20.86 288 ePc 04 04.60 -0.2

i 04 05.50

i 04 10.10

i 04 14.60

ROI 20.87 271 P 04 07.70 2.7X

AKSR 20.88 209 iPd 04 03.00 -2.0

TDS 21.02 272 P 04 06.10 -0.3

CSI 21.02 272 P 04 06.30 -0.2

AGMR 21.14 210 eP 04 06.50 -1.3

ANAL 21.21 210 eP 04 06.00 -2.4

MMN 21.21 273 P 04 09.20 0.9

GRI 21.21 269 P 04 07.82 -0.6

CZI 21.30 271 P 04 08.20 -1.0

LJU 21.36 290 ePc 04 10.00 0.2

e 04 15.50

eS 08 08.00

eLR 10 25.00

FG2 21.36 278 P 04 10.80 0.9

CEY 21.44 289 ePc 04 10.40 -0.3

eS 08 15.50

MGR 21.46 273 P 04 10.40 -0.6

N	10s	17.50um		ERC	24.31	270	P	04	41.80	2.8X	LBF	28.58	293	eP	05	16.80	-1.6				
E	10s	15.50um		OSS	24.38	292	Pd	04	40.60	0.9	LOR	28.63	294	eP	05	17.10	-1.8				
			i	TLG	24.39	77	iP	04	38.80	-1.0		1.5s	172.35nm				5.6mb				
			S					09	07.30		Z	18s	37.50um				6.0Msz				
BRG	22.16	303	iPd	04	18.80	1.0		04	40.70	1.0	NSS	28.63	331	iP	05	21.63	3.0X				
	1.9s	1700.00nm		6.2mb				04	41.50	0.6	SMF	28.71	292	eP	05	18.10	-1.5				
			i					04	43.10	0.2	KEV	28.73	348	ePc	05	18.94	-0.6				
			i					04	44.60	0.2				ic	05	20.92					
			iS	08	28.00			04	47.20	1.4				eS	10	11.41					
			i	11	30.30			04	46.60	-0.7	KTK1	28.75	345	eP	05	22.90	3.2X				
KBA	22.18	293	iPc	04	19.00	0.8		04	47.40	-0.1	MOR7	28.81	336	eP	05	22.60	2.3				
	1.0s	497.00nm		5.9mb				04	48.50	-0.6	SSF	28.89	293	eP	05	19.60	-1.6				
			i					04	50.10	0.1	COLF	28.95	290	P	05	21.89	0.0				
			i	04	23.90			04	50.60	-0.1	AVF	29.02	293	eP	05	21.10	-1.3				
RFI	22.33	277	P	04	20.95	1.3		04	52.10	1.3	MOL	29.34	326	eP	05	28.33	3.3X				
SDI	22.37	278	P	04	20.50	0.4		04	50.70	-0.1	HYA	29.35	323	eP	05	29.00	3.9X				
FRU	22.46	79	iPc	04	20.00	-0.9		0.8s	407.80nm	6.2mb	BGF	29.40	292	eP	05	24.30	-1.5				
			iS	08	30.00			Z	18s	38.03um	6.0Msz	BER	29.46	321	eP	05	29.50	3.4X			
AQU	22.54	280	P	04	23.10	1.3		LR	15	01.00		EGD	29.47	321	eP	05	29.00	2.8X			
FVI	22.56	291	P	04	23.10	1.3		PCP	25.69	287	P	04	52.01	-0.1	ASK	29.56	321	eP	05	30.00	3.0X
WET	22.60	298	eP	04	23.40	1.2		PGF	25.70	282	P	04	52.97	0.6	MENF	29.59	300	P	05	28.33	0.9
			eS	08	34.00			FEL	25.79	295	P	04	52.59	-0.5	MAF	29.63	292	eP	05	27.00	-0.9
ARV	22.69	283	P	04	24.10	0.9		CKI	25.89	287	P	04	54.50	0.6	TCF	29.87	292	eP	05	29.30	-0.8
BSD	22.78	314	eP	04	26.00	2.2		MMK	25.92	290	eP	04	54.00	-0.5	SUE	29.95	322	eP	05	33.00	2.4
	1.3s	1110.00nm		6.2mb				STR	25.94	296	P	04	54.55	0.2	FOO	30.02	323	eP	05	35.26	4.1X
MNO	22.79	268	P	04	25.50	1.1		ORX	25.95	289	P	04	52.32	-2.3	NDI	30.10	106	iPc	05	31.80	-0.4
CLL	22.82	304	iPc	04	24.90	0.6		FIN	25.98	286	P	04	54.06	-0.7		0.5s	218.31nm			6.2mb	
	1.8s	1400.00nm		6.2mb				GW	26.04	297	P	04	55.31	0.0			eS	10	34.00		
			i	04	44.70			BBS	26.14	294	P	04	55.57	-0.7	FRO	30.15	323	eP	05	36.17	3.9X
			eS	08	36.00			ROB	26.20	286	P	04	58.16	1.3	TRO	30.15	343	eP	05	35.21	3.0X
VVI	22.83	290	P	04	25.60	1.1		WLS	26.22	296	P	04	56.42	-0.6	CAF	30.19	289	eP	05	31.80	-1.1
MEU	22.92	266	P	04	24.90	-0.7		IMI	26.25	286	P	04	56.62	-0.7		1.5s	156.70nm			5.6mb	
BRN	22.93	306	eP	04	26.50	1.1		BGG	26.27	300	iPd	05	01.40	4.1X	ETER	30.19	284	eP	05	36.13	3.2X
			id	04	31.00			CD	26.27	296	P	04	56.42	-1.1	LSF	30.34	292	eP	05	32.80	-1.4
			eS	08	54.00			DIX	26.30	291	ePd	04	58.30	0.2	LOF	30.39	338	eP	05	35.58	1.2
ASS	22.96	282	P	04	27.30	1.4		CGL	26.31	275	P	04	57.80	-0.1	RJF	30.50	290	eP	05	35.00	-0.6
RSM	22.99	284	P	04	27.80	1.8		ECH	26.35	295	P	04	57.95	-0.3		1.8s	517.90nm			6.1mb	
MNS	23.07	280	P	04	28.20	1.3		MOF	26.38	295	P	04	57.78	-0.8	Z	20s	37.50um			6.0Msz	
RMP	23.16	279	P	04	29.30	1.5		SAOF	26.47	286	P	04	59.88	0.5	LPO	30.85	289	eP	05	37.70	-0.9
RDP	23.16	279	P	04	28.80	0.9		RSP	26.52	288	P	04	57.85	-2.0		1.7s	264.70nm			5.8mb	
GIB	23.26	269	P	04	28.50	-0.4		ENR	26.53	286	P	04	59.70	-0.3	ESEL	30.88	279	eP	05	42.85	3.9X
WTTA	23.34	293	iPc	04	29.80	0.1		LSD	26.55	289	P	05	00.21	-0.1	LFF	31.11	290	eP	05	40.00	-0.9
	1.0s	991.00nm		6.3mb				BH8	26.55	288	P	04	58.26	-1.8		1.5s	250.70nm			5.9mb	
			i	04	34.70			AUTN	26.56	286	P	05	01.40	1.0	LDF	31.17	297	eP	05	40.20	-1.3
			i	04	40.30			SBF	26.58	286	eP	05	00.00	-0.4		1.6s	391.80nm			6.1mb	
CTI	23.36	290	P	04	31.10	1.3		STV	26.60	286	P	05	00.01	-0.5	MLS	31.30	286	P	05	41.52	-1.1
WATA	23.38	293	iPd	04	30.90	0.9		LOMF	26.61	293	P	04	59.99	-0.6	FLN	31.39	297	eP	05	41.90	-1.5
	1.4s	1427.00nm		6.3mb				BSF	26.61	295	P	05	00.25	-0.4		1.5s	323.85nm			6.0mb	
			i	04	35.00			DOI	26.61	287	P	04	59.80	-0.9	Z	19s	37.50um			6.1Msz	
			i	04	50.20			EMS	26.64	291	ePd	05	00.90	-0.1	MFF	31.44	293	eP	05	42.20	-1.6
CRE	23.39	284	P	04	32.50	2.4		REVF	26.65	285	P	05	01.70	0.7		1.5s	240.25nm			5.9mb	
SFI	23.42	285	P	04	32.20	2.0		AURF	26.65	286	P	05	02.07	1.0	WMO	31.63	72	Pc	05	45.50	-0.2
PGD	23.52	284	P	04	33.50	2.1		SOD	26.68	345	iP	05	01.30	0.3		1.3s	300.00nm			6.0mb	
MOX	23.58	302	eP	04	32.80	1.0					i	05	06.30		Z	24s	208.00um			6.7MszX	
	2.4s	1443.00nm		6.1mb				TOUF	26.69	286	P	05	02.74	1.2		N	18s	202.00um			
	Z	15s	34.50um		5.9MszX			PZZ	26.72	287	P	05	00.52	-1.2			S	10	59.00		
	N	23s	58.00um					WTS	26.74	304	eP	05	03.50	1.9	GRR	31.68	296	eP	05	44.30	-1.6
			S	08	55.00				1.1s	552.00nm					EPF	31.81	286	eP	05	44.60	-2.6
FUR	23.60	295	eP	04	32.50	0.5		MVIF	26.78	286	P	05	03.22	0.9		1.4s	87.15nm			5.5mb	
			iS	08	59.00			LPG	26.83	289	eP	05	01.90	-1.0	LPF	31.84	296	eP	05	45.90	-1.5
SOTA	23.63	293	iPd	04	33.30	0.8			1.5s	612.10nm					BTH	32.17	286	eP	05	52.00	1.7
	1.4s	1807.00nm		6.5mb				LPL	26.84	289	eP	05	02.00	-0.9			i	05	56.50		
			i	04	36.50			RRL	26.88	288	P	05	03.59	0.3			pP	06	03.50	43kmX	
USI	23.65	271	P	04	33.40	0.9		HAU	26.90	295	eP	05	01.80	-1.4			i	06	11.50		
MCT	23.68	268	P	04	39.63	6.6X			1.4s	340.35nm							e	06	18.00		
GRF	23.73	299	iPc	04	33.90	0.7		Z	18s	32.50um							PP	07	09.00		
	Z	22s	31.00um		5.7Msz			WIT	26.92	306	eP	05	06.00	2.7X			ePcP	08	41.00		
			e	04	39.70			BNI	26.94	288	P	05	04.00	0.3	EBR	32.30	282	iPKP	05	51.00	-0.4
			eS	09	03.20			CALN	26.99	286	P	05	05.04	0.8			iPP	11	06.00		
GRFO	23.73	299	ePc	04	33.23	0.0		WLF	27.01	299	iPd	05	05.28	1.1	JAU	32.31	286	P	05	53.97	2.3
			ec	04	35.99			VITF	27.14	295	P	05	03.47	-1.9	ESCF	32.44	287	P	05	52.93	0.2
UPP	23.76	326	iP	04	32.60	-0.8		NAO	27.15	324	P	05	04.60	-0.7	EGRA	32.49	285	eP	05	48.37	-4.7X
	1.5s	3300.00nm		6.7mb				ENN	27.20	301	ePd	05	07.00	1.2	LHE	32.52	286	P	05	54.21	0.8
			i	04	37.20				1.3s	381.00nm					ATE	32.53	287	P	05	53.39	-0.1
FAI	23.78	268	P	04	35.00	1.2		FRF	27.20	285	eP	05	05.20	-0.7	MADF	32.60	287	P	05	52.93	-1.1
MAO	24.17	281	P	04	38.00	0.5		LMR	27.34	285	eP	05	06.30	-0.9	ISSF	32.61	287	P	05	54.32	0.0
SAL	24.18	289	P	04	39.50	2.0			1.0s	96.00nm					ESY	32.65	311	ePd	05	54.40	0.1
MME	24.20	286	P	04	40.90	2.8X			1.1s	190.80nm						1.3s	416.00nm			6.2mb	
KSH	24.26	86	iPc	04	40.00	1.4		Z	21s	40.00um					EDR	32.70	313	eP	05	52.70	-2.0
CVT	24.28	269	P	04	38.00	0.1		DBN	27.75	304	iP+	0									

15d 01h

EDI	32.97	311	eP	05	56.00	-1.1	MTH	39.96	283	eP	07	01.00	4.5X			SS	19	03.00			
EBH	33.17	311	ePd	05	58.70	-0.2				i	07	14.00			HIA	51.12	55	ePc	08	24.47	-0.7
	0.9s	146.00nm			5.9mb		LIS	40.00	283	iPd	07	00.80	4.0X				ec	08	26.37		
AAE	33.62	189	eP	06	04.40	1.0	GBA	40.74	125	Pd	07	02.50	-0.5				ed	08	29.43		
ECHE	33.75	281	eP	06	06.46	2.3											ePcP	09	41.77		
BST	33.81	297	P	06	03.14	-1.4	IRK	40.89	55	iP+	07	04.00	0.0				ePP	10	23.98		
BOM	33.86	125	iP	06	06.50	1.4				e	07	12.60					iS	15	46.39		
	1.2s	27.50nm			5.1mb	X				ePP	08	42.00					eScS	18	17.36		
		eS	11	28.50						ePPP	09	24.00			TIY	51.28	71	Pc	08	26.20	-0.3
ECRI	33.94	286	eP	06	05.29	-0.5				ePcP	10	05.10				7.0s	5850.00nm		6.6mb	X	
ETOR	34.14	283	eP	06	06.14	-1.4				eScP	12	46.00				Z	20s	23.30um		6.2msz	
EALH	34.70	278	eP	06	16.03	3.7X				eS	13	10.00			N	12s	18.50um				
ETA	34.73	305	eP	06	15.40	3.1X				e	15	21.00					S	15	45.00		
POO	34.76	124	iPd	06	12.30	-0.7				e	15	56.00			YAK	51.74	37	iPc	08	28.60	-1.0
	1.3s	500.00nm			6.2mb					iPSP	16	14.00					ePP	09	53.00		
		iS	11	40.00			AKU	40.93	326	eP	07	07.30	3.3X				iPPP	10	26.00		
ECP	34.86	304	eP	06	16.30	2.9X											iScS	13	36.00		
	1.1s	638.00nm			6.4mb					i	07	11.30					iPcS	13	48.00		
DMU	35.09	307	eP	06	15.60	0.2											eS	15	41.00		
	1.5s	542.00nm			6.2mb		GTA	41.63	75	Pc	07	10.80	0.5				iPS	16	00.00		
ECB	35.10	304	eP	06	18.50	3.0X											iScS	17	40.00		
EVIA	35.21	280	eP	06	15.55	-1.2											eSS	19	26.00		
DCN	35.33	306	eP	06	18.00	0.5	Z	12s	38.10um				5.7mb				eSSS	21	24.00		
EHUE	35.58	278	eP	06	19.30	-0.6	E	11s	39.10um												
ENIJ	35.62	277	eP	06	20.38	0.2				PP	08	52.00			CHG	51.81	99	ePc	08	29.00	-1.7
GUD	35.71	284	eP	06	19.62	-1.4				PcS	12	55.00					e	10	30.00		
GKN	35.83	100	P	06	21.68	-0.5				S	13	24.00					eS	15	48.00		
TOL	35.89	282	iPKPd	06	25.00	2.6X	TIO	42.11	271	iP	07	14.00	-0.4		PDA	52.14	290	eP	08	31.50	-1.4
	1.2s	437.50nm			6.2mb					i	07	41.50			BJI	52.77	67	ePc	08	36.56	-1.1
		iPKKP	07	47.00												1.8s	580.00nm		6.2mb		
		iPP	11	52.00			SHL	42.52	98	iP	07	16.50	-1.4		N	14s	23.80um				
		iSKS	13	08.00						eS	13	42.00					ec	08	38.14		
		iPPS	25	00.00			REY	42.53	324	iP	07	21.98	4.7X				ed	08	41.36		
TOL	35.89	282	ePc	06	21.13	-1.3	DAG	42.90	342	ePc+	07	21.00	0.8				ePP	10	40.00		
	1.2s	437.50nm			6.2mb												eS	16	06.00		
		ec	06	23.70			Z	17s	11.84um				5.9mszX								
		ed	06	27.01			KOD	43.41	128	ePKP	07	26.00	0.7		BDT	52.85	101	eP	08	36.10	-2.4
		e	07	51.34						ePP	09	10.00				1.0s	548.60nm		6.4mb		
		ePcP	08	52.92			NAI	44.02	190	iP	07	33.00	2.9X		GYA	52.93	86	P	08	39.00	-0.2
		iPP	11	52.00						iPP-	09	19.00				1.6s	800.00nm		6.4mb		
		eS	12	00.59						eS	14	04.00			Z	15s	11.10um		6.0mszX		
		iSKS	13	08.00			LZH	45.92	77	ePc	07	45.39	0.2		N	14s	10.30um				
		iPPS	25	00.00			Z	22s	790.00nm				6.4mb		E	12s	6.90um				
							N	12s	54.70um				6.5msz				S	16	07.00		
									23.10um						KHT	54.17	104	eP	08	47.80	-0.4
EBAN	36.32	280	eP	06	25.58	-0.5				ec	07	47.55			LKO	54.28	248	P	08	46.02	-3.0X
DMN	36.40	101	P	06	27.12	0.0				ed	07	49.95			NST	54.70	101	eP	08	52.50	0.5
	1.4s	1417.00nm			6.6mb					PP	09	30.00			TIA	55.29	70	eP	08	55.60	-0.6
KKN	36.42	100	P	06	26.72	-0.5				ScP	13	16.00				1.8s	400.00nm		6.1mb		
AFC	36.49	278	eP	06	26.07	-1.6				PcS	13	18.00			Z	21s	17.50um		6.1msz		
ECOG	36.50	278	eP	06	26.75	-1.0				iS	14	34.05			N	11s	10.40um				
PKI	36.64	100	P	06	28.86	-0.4	BTO	48.31	69	P	08	04.00	0.2		E	11s	3.80um				
	1.2s	1330.00nm			6.6mb												S	16	42.00		
EGUA	36.68	277	eP	06	28.38	-0.7									TIC	55.99	245	P	08	58.70	-2.8
GUN	36.79	99	P	06	30.58	0.1	N	14s	10.50um						KIC	56.02	244	P	08	59.00	-2.6
	1.4s	1520.00nm			6.6mb		E	12s	16.40um								S	16	48.00		
EMEL	36.87	275	eP	06	30.15	-0.5				PP	09	58.50			WHN	56.30	78	Pd	09	03.50	0.0
EMON	37.10	289	eP	06	32.70	0.1				S	15	02.00				1.5s	500.00nm		6.3mb		
ERUA	37.28	288	eP	06	32.52	-1.6				SS	18	27.50			Z	16s	13.00um		6.1mszX		
EPLA	37.29	284	eP	06	33.79	-0.4	CD2	48.38	83	eP	08	04.60	0.2		N	14s	19.40um				
MAL	37.34	278	iPd	06	33.20	-1.4									E	14s	13.50um				
		iPP	08	07.00			Z	23s	3700.00nm				6.6mb X				S	16	56.00		
		iS	12	22.00			E	10s	18.60um				6.0mszX								
									13.80um												
EHOR	37.52	280	eP	06	34.77	-1.3				PP	10	00.00			LIC	56.31	244	P	09	01.00	-2.7
MVO	37.59	286	e(P)	06	27.00	-9.8X				iS	15	01.00			SNY	56.84	61	iPc	09	06.00	-1.3
LIJA	38.00	279	eP	06	38.00	-2.3	TIK	48.78	25	eP	08	06.00	-0.9			1.4s	100.00nm		5.7mb		
STS	38.12	289	eP	06	40.61	-0.5				eS	15	11.00			Z	19s	37.30um		6.5msz		
MTE	38.22	285	iPd	06	45.00	3.0									N	10s	12.10um				
EJIF	38.23	278	eP	06	41.62	-0.5	HHC	49.26	68	iPc	08	12.00	0.8		E	13s	35.60um				
ALJ	38.24	278	eP	06	36.00	-6.3X											sP	09	21.00		
HYB	38.55	120	eP	06	44.50	-0.5	Z	16s	480.00nm				6.4mb				PP	11	16.00		
	1.4s	1000.00nm			6.3mb								6.5mszX				iS	16	57.50		
		i	06	46.80						PcS	13	30.00					sS	17	11.00		
PLAT	38.58	278	eP	06	47.50	2.4				S	15	17.00					SS	20	46.00		
NKM	38.61	276	iP	06	44.50	-0.8				ScS	17	56.00			DL2	57.01	65	iPc	09	08.00	-0.5
		i	06	48.00						SS	18	46.00				1.5s	1400.00nm		6.8mb		
KBS	38.63	351	eP	06	47.00	2.1	XAN	50.56	77	Pc	08	20.50	-0.6		Z	16s	15.90um		6.2mszX		
EVAL	38.70	280	eP	06	46.00	0.0									E	12s	19.40um				
PTO	38.72	286	ePKP	06	45.60	-0.5											S	17	03.00		
COI	38.92	285	eP	06	48.10	0.3				PcS	13	32.00			CN2	57.07	59	Pc	09	07.40	-1.5
		i	08	24.10						S	15	36.00				1.2s	100.00nm		5.7mb		
IFR	39.27	274	iP	06	51.00	-0.1	KMI	50.79	90	ePc	08	21.80	-1.4		Z	12s	54.00um		6.9mszX		
		i	06	55.00											N	11s	8.30um				
MOE	39.50	282	iPd	06	56.00	3.4X	Z	24s	530.00nm				6.1mb		E	11s	16.40um				
		i	07	13.00									6.2mszX								
FIG	39.69	280	iPc	06	58.50	4.3X				ec	08	24.04					eP	09	14.00	22kmX	
LSA	39.69	93	Pc	06	56.30	1.4				ed	08	26.61					S	17	00.00		
	N	11s	5.70um							iPP	10	23.72					SS	20	50.00		
		esS	13	05.00																	

Z 15s	11.60um	6.1MsZ			ec	10 28.51		1.0s	50.00nm	5.7mb
N 12s	4.20um				ed	10 31.82		90.12	326 iPc	12 23.90 2.0
E 12s	8.90um				eS	19 34.93			ePP	15 59.49
	S	17 19.00			iPd	10 28.00 -1.3			iS	23 19.05
MBO 59.06	261 iPd	09 25.20 2.1		MAT 69.20	59 iPd	10 28.00 -1.3			ePd	12 30.20 -0.1
MDJ 59.24	56 ePc	09 23.08 -1.0		Z 20s	14.54um	6.2MsZ		BW06 91.88	341 ePd	12 30.20 5.5mb
	1.5s	200.00nm	6.0mb		eS	19 30.00		1.0s	25.00nm	
N 10s	17.90um			NIIJ 69.27	58 iPd	10 30.70 1.0			e	15 49.90
	ePP	11 35.91		BAG 69.28	86 eP	10 28.00 -2.2			ePP	16 13.40
	e	13 02.99			eS	19 38.00		COR 92.60	351 iPc	12 36.32 3.1X
	eS	17 34.07		SLR 69.39	195 ePc	10 29.86 -0.6			eHPP	16 19.11
QIZ 59.70	91 P	09 25.10 -2.4		PET 69.54	36 ePcP	10 56.26			iPP	16 19.44
	1.5s	400.00nm	6.3mb		eP	10 30.00 -1.0		GLD 93.54	337 eP	12 39.00 1.1
N 11s	3.70um			INK 69.54	359 eP	10 30.80 0.1		1.2s	72.73nm	5.9mb
E 12s	4.20um				eS	19 38.00		Z 20s	13.00um	6.4MsZ
	S	17 40.00			1.0s	87.00nm	5.9mb		e	12 41.50
GZH 59.82	85 iPc	09 28.50 0.2		CHJJ 70.00	59 iPd	10 35.20 1.0		GOL 93.63	337 eP	12 38.20 -0.2
	5.5s	4400.00nm	6.8mb X	KAKJ 70.65	58 P	10 40.00 1.9		1.0s	26.25nm	5.6mb
Z 35s	16.90um	5.9MsZ		PRY 70.71	196 iPc	10 39.00 0.5		Z 20s	10.50um	6.3MsZ
N 11s	5.10um				1.0s	90.00nm	5.9mb		ePP	16 25.50
E 11s	7.40um			OCP 70.78	88 eP	10 33.00 -6.1X		TUL 93.79	328 eP	12 37.70 -1.1
	S	17 42.00		IMA 70.94	8 ePd	10 40.30 0.8		1.0s	144.30nm	6.3mb
MTD 60.05	194 iPd	09 27.50 -2.4			1.0s	105.00nm	5.9mb	Z 18s	7.08um	6.2MsZ
	iPP	09 30.00 8kmX		SEK 72.03	195 iPd	10 47.60 1.1			LR	46 39.00
	i	10 16.00			1.0s	110.00nm	5.9mb	LBFM 95.61	349 P	12 48.00 0.5
KRI 60.47	196 iPd	09 33.00 0.2		FBA 72.58	5 ePd	10 50.10 1.0		PV09 95.80	339 eP	12 49.00 0.5
	i	10 17.80			1.0s	150.00nm	6.0mb	MEO 95.85	330 iPd	12 51.50 3.1X
SNG 60.82	108 eP	09 34.50 -0.6		KIM 73.04	198 iPd	10 51.00 -1.4		WDC 96.45	350 ePd	12 53.50 2.5
1.3s	384.62nm	6.4mb			1.0s	130.00nm	6.0mb	MSU 96.55	341 P	12 52.60 0.8
	e	17 54.00		KIM 73.04	198 iPc	10 52.30 -0.1		MIN 96.55	349 eP	12 54.30 2.6X
SSE 60.89	73 iPc	09 34.50 -1.0			1.5s	125.00nm	5.8mb	DRV 97.31	349 eP	12 57.60 2.7X
1.0s	270.00nm	6.3mb		TTA 73.74	9 ePd	10 57.30 1.3		TNP 98.04	345 eP	12 59.00 0.5
Z 18s	14.80um	6.2MsZ		FRS 73.89	197 iPc	10 56.60 -0.4			1.32nm	4.6mb X
N 15s	14.30um				0.7s	123.29nm	6.1mb		e	13 02.50
	pP	09 44.50 33kmX		YKA 73.99	350 eP	10 57.40 0.0			PKKP	29 31.50
	PP	11 52.00			1.3s	84.30nm	5.6mb	80NR 98.36	346 P	13 02.00 2.0
	S	17 50.00		TSM 75.41	98 ePc	11 07.90 1.6		ANMO 98.36	336 ePc	13 02.41 2.5
	ScS	19 16.00		TOA 75.46	5 eP	11 06.50 0.5		1.2s	24.22nm	5.7mb
HKC 60.90	86 iP	09 36.30 0.6		SVW 75.55	10 ePd	11 07.60 1.1		Z 20s	11.70um	6.4MsZ
	eS	17 59.00		PMR 75.75	6 ePd	11 08.10 0.6			i	13 05.10
MBC 61.10	356 eP	09 36.50 0.2			1.2s	189.39nm	6.0mb		e	16 10.00
1.0s	94.00nm	5.9mb		BNH 75.82	318 P	11 08.00 -0.3			ePP	17 00.26
FRB 61.56	332 eP	09 39.00 -0.6		KLU 76.09	5 P	11 10.40 0.9			PKKP	29 30.00
1.0s	224.00nm	6.3mb		RSO 76.52	8 eP	11 11.80 -0.3		ALQ 98.36	336 eP	13 00.00 0.0
OZH 62.57	80 Pc	09 44.00 -2.9		BALM 76.73	3 ePd	11 13.40 0.2		1.5s	69.44nm	6.1mb
6.0s	3150.00nm	6.7mb X		SLKM 76.73	7 ePc	11 12.50 -0.6		Z 20s	10.46um	6.3MsZ
Z 20s	14.90um	6.2MsZ			ePP	13 49.60			e	17 03.00
N 12s	4.80um			PDB 77.01	9 P	11 14.00 -0.6		CMB 98.63	348 eP	13 04.20 3.3X
E 12s	4.80um			HRV 77.49	317 ePc	11 19.84 2.3		BKS 99.07	349 iPc	13 04.00 1.2
	PP	12 06.00			ePP	14 17.44		Z 20s	4.30um	5.9MsZ
	S	18 12.00			eHPP	14 18.10		N 20s	3.80um	
	SS	22 18.00			iS	21 13.25		E 20s	4.60um	
PSI 62.85	113 eP	09 53.00 4.2X			e	21 35.59			iPP	17 02.00
1.0s	112.50nm	6.0mb			eSS	26 04.73			ePKS	21 00.00
IPM 62.94	110 ePc	09 52.70 3.3X		FFC 78.93	341 eP	11 25.00 -0.3			ePS	26 04.00
1.3s	667.60nm	6.7mb			0.8s	52.00nm	5.6mb		eSS	31 32.00
BUL 63.89	196 iPd	09 53.50 -2.2		DAV 79.04	90 eP	11 22.00 -4.5X			eLO	41 08.00
0.8s	18.66nm	5.3mb		KDC 79.21	9 eP	11 27.90 1.3			eLR	46 52.00
	iPP	09 56.00 8kmX		TBR 79.84	317 eP	11 30.50 0.1		FRI 99.54	347 e(P)	13 08.10 3.1X
	i	10 43.00			i	11 32.70 1.6		CLC 100.30	345 ePdiff13	12.10 3.6X
ANP 64.55	78 iPc	10 00.00 -0.1		PNJ 79.98	317 eP	11 35.30		ISA 100.62	346 ePdiff13	12.18 2.4
	eS	18 46.80			i	11 32.00 -1.2			iPP	17 19.05
ILT 65.37	16 iPc	10 04.00 -0.6		LVNJ 80.36	318 P	11 32.00 -1.2		GSC 100.65	344 ePdiff13	12.41 2.5
	iS	18 52.00		SIT 80.85	360 eP	11 34.50 -0.9		SBB 101.44	345 ePdiff13	19.00 5.5X
YSS 65.55	48 iPc	10 07.00 0.9		WVLY 80.93	321 P	11 36.50 0.3		WRA 103.42	105 Pdiff	13 24.00 1.5
	eS	18 48.00		SCP 81.89	319 ePc	11 41.31 0.1		1.1s	6.00nm	5.3mb
BRW 65.57	7 eP	10 06.80 1.0			ec	11 43.63		WB2 103.43	105 ePdiff13	23.10 0.6
SHNJ 66.01	65 eP	10 10.80 1.7		CLE 83.07	322 eP	11 49.00 1.7		1.1s	4.40nm	5.1mb
KGM 66.36	110 ePd	10 11.20 -0.4		CVL 84.36	318 P	11 53.50 -0.4		ASPA 105.50	108 iPKPd	17 47.00 1.6
1.4s	494.10nm	6.5mb		SES 84.99	344 eP	11 55.00 -2.0		1.1s	12.30nm	
SCH 66.64	324 eP	10 12.00 -1.0			1.1s	214.00nm	6.3mb	RAB 106.19	81 e(PKP)	17 52.00 5.1X
1.3s	294.00nm	6.3mb		BLA 85.93	319 eP	12 01.80 -0.1		SIV 111.67	268 eP	17 58.20 1.0
KUMJ 66.75	67 eP	10 15.60 1.6			0.8s	23.49nm	5.4mb		i	18 27.60
SHK 66.81	64 eP	10 14.50 0.1			e	12 04.90		STK 115.89	110 ePKP	18 04.80 0.0
YONJ 66.94	63 eP	10 15.40 0.2		PNT 87.48	349 eP	12 10.00 0.8		1.1s	4.20nm	
ASAJ 67.26	51 eP	10 16.10 -0.9			1.4s	137.00nm	6.0mb	ZOBO 117.07	272 PKP	18 06.00 -2.2
MRRJ 67.37	53 eP	10 18.60 0.9		CAI 87.87	259 iPd	12 15.60 4.1X		1.1s	9.28nm	
KAGJ 67.60	68 eP	10 19.80 0.5		NEW 88.14	348 iPd	12 13.30 0.9			i	18 10.00
TKSJ 68.05	64 eP	10 22.20 0.1			0.8s	208.33nm	6.5mb	LPB 117.22	272 PKP	18 12.00 3.7X
TSRJ 68.38	61 iPd	10 23.40 -0.8		PGC 88.60	352 eP	12 16.00 1.5		CNCB 117.30	272 PKP	18 09.00 0.4
HOJ 68.69	52 eP	10 25.90 -0.1		GUA 88.84	73 eP	12 16.00 -0.2		RMQ 117.85	101 ePKP	18 09.00 0.2
MTMJ 68.92	59 iPd	10 29.10 1.5		RSSD 89.17	338 ePd	12 18.40 0.7			e	19 15.00
WKYJ 68.93	63 eP	10 27.30 -0.4			1.8s	669.64nm	6.6mb	ARE 119.68	275 ePKP	18 13.00 0.2
BFT 69.02	193 iPc	10 30.00 1.7		Z 20s	13.56um	6.4MsZ		NNA 120.67	282 ePKP	18 13.00 -1.4
1.0s	215.00nm	6.3mb			e	12 22.00		0.8s	8.96nm	
KUSJ 69.07	50 eP	10 26.80 -1.5		RMW 89.59	350 P	12 20.00 0.6		TOO 121.70	114 ePKP	18 18.00 2.2
MAJO 69.20	59 ePc	10 27.19 -2.1		LRM 89.63	344 ePd	12 20.30 0.4		BWA 122.05	109 ePKP	18 18.20 1.6
				FVM 89.84	326 eP	12 19.90 -0.7		CAN 122.93	110 ePKP	18 19.80 1.6

15d 01h

TAU 125.55 119 ePKP 18 24.00 1.0
 DZM 128.27 86 iPKPc 18 32.00 3.0X
 TACH 129.15 257 ePKP 18 26.50 -3.7X
 LNV 129.64 257 ePKP 18 30.00 -1.1
 WEL 143.73 105 PKP 18 56.00 -0.9
 MNG 144.02 104 PKP 18 55.00 -2.4
 WHH 144.15 101 PKP 18 54.80 -3.0X
 RAR 150.90 51 PKP 19 18.00 9.0X
 S.D. = 1.2 on 458 of 525 obs.

JUN 15, 1991 01h 11m 44.38 ± 0.34s
 39.166 N ± 4.2km 23.468 E ± 2.9km
 DEPTH = 10.0km (geophysicist)
 4.5mb (1 obs.)

AEGEAN SEA (365)
 ML 4.0 (ATH).

ATH 1.21 171 ePn 12 05.60 -1.3
 KZN 1.74 312 ePn 12 14.70 -0.1
 PRK 2.18 87 ePn 12 21.50 0.3
 VAY 2.26 343 iPn 12 22.50 0.2
 0.9s 908.00nm

iSn 13 06.70
 Lg 13 17.00
 EZN 2.31 72 ePn 12 23.70 0.7
 MMB 2.43 5 iPc 12 25.00 0.2
 VLS 2.46 247 ePn 12 27.30 2.1
 VLI 2.48 190 ePn 12 23.50 -1.9
 RDO 2.54 38 ePn 12 26.70 0.5
 RZN 2.69 20 iP 12 29.00 0.3
 iS 13 02.00

SRN 2.78 286 ePn 12 32.00 2.3
 OHR 2.82 314 iPn 12 30.60 0.2
 1.6s 6298.00nm

iSn 13 19.70
 Lg 13 27.00
 KDZ 2.89 30 iPc 12 30.00 -1.3
 KEK 2.89 282 ePn 12 32.50 1.2
 TPE 2.89 294 ePn 12 33.00 1.6
 IZM 3.06 103 ePn 12 34.00 0.2
 SKO 3.20 332 iPnc 12 35.50 -0.2
 i 12 37.60

KGT 3.22 65 ePn 12 36.00 0.0
 DIM 3.28 28 iP 12 37.00 0.2
 MFT 3.35 60 ePn 12 39.00 1.1
 PHP 3.42 318 ePn 12 38.50 -0.2
 PGB 3.42 9 iPd 12 39.00 0.1
 TIR 3.51 309 ePn 12 42.00 1.9
 EDC 3.59 69 ePn 12 41.00 -0.2
 BNT 3.63 69 ePn 12 41.50 -0.3
 LACI 3.78 312 ePn 12 45.90 1.9
 NPS 4.26 156 ePn 12 51.40 0.7
 YER 4.30 117 ePn 12 52.00 0.6

PVY 4.33 323 iPnc 12 52.13 0.3
 LCI 4.41 287 P 12 51.00 -1.8
 TTG 4.56 317 iPnc 12 54.95 0.0
 IVA 4.58 325 iPnc 12 55.53 0.2
 KHL 4.81 98 eP 12 58.00 -0.6
 NKY 4.97 319 iPnd 13 00.33 -0.6
 HCY 5.00 313 iPnc 13 00.58 -0.6
 BRT 5.10 292 P 13 01.70 -1.0
 PLE 5.17 325 iPnd 13 03.77 0.0
 BRY 5.27 317 iPnd 13 04.07 -1.1

ROI 5.36 277 P 13 04.50 -1.9
 BAI 5.42 293 P 13 05.50 -1.7
 ORI 5.49 282 P 13 09.00 0.7
 TDS 5.54 277 P 13 09.60 0.6
 CSI 5.59 279 P 13 08.30 -1.3
 CZI 5.70 273 P 13 10.00 -1.1
 MMN 5.83 279 P 13 14.60 1.7
 ATN 6.35 263 P 13 21.60 1.3
 SGO 6.43 285 P 13 21.10 -0.3
 eSn 14 20.00

HVAR 6.64 309 iPn 13 21.40 -3.0
 DUI 7.31 293 P 13 34.00 0.1
 GIB 7.49 264 P 13 38.00 1.6
 SDI 7.79 292 P 13 40.00 -0.5
 VBY 8.78 319 e(P) 13 53.60 -0.6
 EKA 24.03 321 P 16 59.00 -1.1
 0.7s 9.50nm 4.5mb
 S.D. = 1.2 on 53 of 53 obs.

JUN 15, 1991 01h 13m 21.46 ± 0.15s
 58.285 S ± 4.7km 24.183 W ± 4.9km
 DEPTH = 51.7km (5 depth phases)
 5.8mb (28 obs.)

SOUTH SANDWICH ISLANDS REGION (153)

Ms 6.3 (BRK). Mo=5.0*10**18 Nm

(PPT).

FAULT PLANE SOLUTION: P-Waves

NP1:Strike= 25 Dip=80 Slip= 90

NP2: 205 10 90

Principal Axes:

T P1g=55 Azm=295

P 35 115

Comment: The focal mechanism is

poorly controlled and

corresponds to reverse

faulting. The preferred fault

plane is NP2.

MOMENT TENSOR SOLUTION

Dep 9 No. of sta: 4

Moment Tensor; Scale 10**18 Nm

Mrr= 0.64 Mtt=-0.64

Mff= 0.00 Mrt= 1.43

Mrf= 2.18 Mtf=-0.42

Principal axes:

T Val= 2.74 P1g=51 Azm=294

N -0.04 10 36

P -2.70 38 133

Best Double Couple:Mo=2.7*10**18

NP1:Strike=270 Dip=12 Slip= 145

NP2: 35 83 80

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 25S, 65C M.W.: 16S, 34C

Centroid Location:

Origin Time 01:13:23.6 0.2

Lat 58.63S 0.02 Lon 23.58W 0.04

Dep 16.9 2.1 Half-duration 8.6

Moment Tensor; Scale 10**18 Nm

Mrr= 0.89 0.09 Mtt=-5.88 0.11

Mff= 4.98 0.09 Mrt=-0.66 0.29

Mrf= 5.85 0.67 Mtf= 0.89 0.09

Principal Axes:

T Val= 9.15 P1g=35 Azm=272

N -2.89 51 122

P -6.25 15 12

Best Double Couple:Mo=7.7*10**18

NP1:Strike= 58 Dip=54 Slip= 16

NP2: 318 77 143

NVL 19.49 144 iPc 17 44.00 -2.6

ePP 17 50.00 108kmX

e 18 05.00

ePPP 18 14.00

e 19 06.00

e 19 28.00

e 19 40.00

e 20 00.00

e 20 08.00

e 20 17.00

eS 21 01.00

e 21 16.00

e 21 20.00

eSS 21 28.00

e 21 36.00

e 21 56.00

AIA 19.89 233 eP 17 50.80 0.0

LPA 32.36 301 iP+ 19 49.20 1.5

0.9s 242.02nm 6.0mb

Z 21s 74.55um 6.4Msz

MAW 37.38 141 iPd 20 29.60 -0.6

0.9s 115.00nm 5.8mb

RDJ 37.91 331 iPd 20 37.60 2.4

BMA 38.35 329 iPc 20 40.40 1.5

e 20 43.70 11kmX

e 20 49.60

VAO 38.86 325 iPc 20 45.10 1.8

PCH 39.44 288 iPc 20 46.50 -1.5

LNW 39.62 287 iPc 20 47.00 -2.4

TACH 39.63 288 iPc 20 47.50 -1.9

ZON 40.20 292 eP 20 51.00 -3.2X

JACH 40.23 289 iPd 20 54.00 -0.5

RTLL 40.28 292 iPd 20 52.20 -2.7

RTCB 40.31 292 iPc 20 53.00 -2.2

IHA 40.48 288 eP 20 55.00 -1.4

RTBS 40.49 291 eP 20 55.00 -1.5

PPD 41.16 320 iPc 21 02.50 0.4

RTRS 41.71 292 iPc 21 05.50 -1.0

SBA 43.95 183 iP 21 25.80 1.6

iS 28 00.00

FRS 44.15 72 iPc 21 25.70 -0.7

1.4s 244.19nm 5.8mb

SLA 44.43 301 ePc 21 26.00 -3.0

KIM 44.70 70 iPd 21 29.50 -1.5

1.0s 150.00nm 5.7mb

KIM 44.70 70 iPc 21 29.60 -1.4

1.0s 145.00nm 5.7mb

WIN 46.30 58 iPd 21 43.50 -0.3

0.9s 134.45nm 5.9mb

Z 17s 59.86um 6.6MszX

SEK 46.47 73 iPc 21 44.00 -1.1

1.0s 150.00nm 5.9mb

PRY 47.54 72 iPc 21 53.00 -0.5

ANT 47.59 296 iPc+ 21 51.20 -2.5

SLR 48.93 72 iPc 22 02.50 -1.8

1.0s 100.00nm 5.8mb

Z 18s 48.11um 6.5Msz

BFT 49.86 73 iPd 22 13.00 1.5

1.0s 255.00nm 6.2mb

SIV 50.30 311 iPc 22 13.00 -1.6

CCH 51.15 305 iPc 22 19.00 -2.5

CSY 51.23 158 iPc 22 21.00 -0.1

0.7s 80.20nm 5.9mb

CNCB 52.46 303 iPc 22 31.10 -0.6

i 29 51.00

CAI 52.60 344 iPc 22 32.30 0.3

LPB 52.76 303 Pc 22 33.10 -0.6

1.0s 444.00nm 6.4mb

S 30 04.00

e 35 09.00

LR 39 22.00

ZOBO 53.01 303 iPc 22 34.90 -0.8

eLR 39 12.00

BUL 53.79 68 iPd 22 40.00 -0.9

1.0s 50.50nm 5.5mb

i 22 55.90 60kmX

i 27 16.00

ARE 54.35 300 iPc 22 44.00 -1.3

0.5s 49.30nm 5.8mb

DRV 54.81 172 P 22 47.60 -0.1

S 30 36.00

SS 34 41.00

KRI 57.10 67 iPd 23 03.80 -1.1

i 23 18.10 52km

i 32 04.00

MTD 58.11 69 iPd 23 11.00 -0.9

i 23 26.00 56km

i 25 26.00

PT10 60.73 297 eP 23 29.00 -0.8

eS 53 02.00

NNA 60.74 297 iPc 23 28.10 -1.9

1.3s 1500.00nm 7.0mb X

Z 22s 38.89um 6.5Msz

e 53 00.00

NPA 63.40 75 iP 23 48.40 0.7

0.8s 130.00nm 6.1mb

e 29 12.00

LIC 66.13 21 P 24 05.52 0.3

0.9s 156.00nm 6.0mb

KIC 66.32 21 P 24 06.58 0.1

0.9s 122.00nm 5.9mb

TIC 66.54 21 P 24 08.16 0.3

0.9s 195.50nm 6.1mb

LKO 69.27 20 P 24 25.06 0.1

0.8s 223.50nm 6.1mb

QUR 71.91 301 eP 24 41.60 0.1

GGP 71.94 301 P 24 42.20 0.3

PSO 72.59 303 eP 24 46.00 0.6

MBO 72.65 7 iPd 24 49.70 4.5X

NAI 74.04 65 eP 24 59.50 5.8X

LR 55 00.00

BOG 74.26 308 iP 24 56.00 0.9

eS 30 27.00

TPP 74.77 322 eP 24 59.62 2.1

FUO 74.88 308 eP 24 55.50 -3.2X

TRN 75.07 322 eP 25 00.20 1.0

TCE 75.23 322 eP 25 01.47 1.3

TPR 75.37 323 eP 25 02.26 1.2

GUAN 75.87 318 iPd 25 05.50 1.5

CEOS 76.00 315 iP 25 04.50 -0.2

BMG 76.06 310 iPd 25 02.00 -3.1X

TLC 76.30 190 P 25 06.10 -0.1

OLLA 76.34 317 iPd 25 06.80 0.2

MHZ 76.41 190 P 25 06.50 -0.2

MMCZ 76.49 190 P 25 07.00 -0.1

SDV 76.74 313 iPc 25 09.10 0.1

LLAV 76.77 317 iP 25 09.00 0.0

CAR 76.84 317 iP 25 09.00 -0.4

MSZ	76.92	189	eP	25	09.00	-0.3			0.8s	3.10nm	4.9mb	LBFM	127.74	289	PKP	32	22.80	0.7
TOV	77.24	314	eP	25	11.00	-0.6			0.8s	3.10nm	4.9mb	FOX	128.18	287	ePKPc	32	24.46	1.9
SVV	77.52	323	eP	25	14.13	1.2			0.8s	3.10nm	4.9mb	FHC	128.39	287	ePKP	32	27.78	4.7X
MORO	77.68	316	iPd	25	14.30	0.3			0.8s	3.10nm	4.9mb	OIZ	128.50	120	ePKP	32	28.80	5.0X
LTZ	78.37	192	P	25	17.90	0.4			0.8s	3.10nm	4.9mb	N 20s			7.30um			
MYM	78.58	324	eP	25	19.90	1.1			0.8s	3.10nm	4.9mb	E 21s			7.00um			
BIM	78.60	324	eP	25	19.34	0.4			0.8s	3.10nm	4.9mb	FFC	128.82	313	ePKP	32	23.00	-0.4
FDF	78.83	324	eP	25	21.69	1.5			0.8s	3.10nm	4.9mb		1.7s		126.00nm			
	1.0s		1.85nm						0.8s	3.10nm	4.9mb	SES	129.34	304	ePKPc	32	23.00	-1.6
TAU	78.92	174	iPd	25	20.00	-0.4			0.8s	3.10nm	4.9mb		1.2s		190.00nm			
			i	25	28.10	26kmX			0.8s	3.10nm	4.9mb				pP	32	39.00	
			e	35	16.00				0.8s	3.10nm	4.9mb	NEW	130.52	299	ePKP	32	25.50	-1.4
THZ	79.30	193	P	25	22.60	0.0			0.8s	3.10nm	4.9mb				SKP	35	50.00	
BLW	79.36	195	P	25	23.60	0.8			0.8s	3.10nm	4.9mb	BMW	132.15	293	PKP	32	31.00	0.9
WEL	79.54	194	P	25	25.00	1.2			0.8s	3.10nm	4.9mb	PNT	132.44	298	ePKP	32	31.00	0.5
			PPP	30	16.00				0.8s	3.10nm	4.9mb		1.4s		176.00nm			
			S	35	22.00				0.8s	3.10nm	4.9mb	MCW	133.51	295	PKP	32	33.40	0.8
			SS	41	06.00				0.8s	3.10nm	4.9mb	LZH	139.60	100	ePKP	32	45.00	0.5
MTW	79.57	195	P	25	24.30	0.4			0.8s	3.10nm	4.9mb	N 12s			2.64um			
MRW	79.60	194	P	25	24.90	0.8			0.8s	3.10nm	4.9mb	GTA	139.97	93	ePKP	32	46.40	1.3
			e	25	33.30	27kmX			0.8s	3.10nm	4.9mb	XAN	140.61	107	ePKP	32	43.00	-3.3X
BBL	79.67	324	eP	25	26.12	1.4			0.8s	3.10nm	4.9mb	NJ2	143.79	120	ePKP	32	49.50	-2.2
TCW	79.67	194	P	25	24.90	0.4			0.8s	3.10nm	4.9mb	Z 28s			4.50um			6.1MsZ
KIW	79.94	195	P	25	26.20	0.3			0.8s	3.10nm	4.9mb	SIT	144.61	298	PKP	32	52.00	-0.3
MGG	79.99	324	eP	25	27.85	1.5			0.8s	3.10nm	4.9mb	TIY	145.25	107	PKPc	32	54.50	0.3
MNG	80.10	195	P	25	27.10	0.3			0.8s	3.10nm	4.9mb	Z 20s			7.01um			6.4MsZ
DIW	80.12	194	P	25	26.70	-0.3			0.8s	3.10nm	4.9mb	N 20s			6.82um			
PAG	80.21	324	eP	25	29.60	1.9			0.8s	3.10nm	4.9mb	BTO	146.18	101	ePKP	32	56.30	0.6
DEG	80.28	324	eP	25	29.06	1.0			0.8s	3.10nm	4.9mb	TIA	146.39	114	ePKP	32	57.20	1.1
UPA	80.50	305	iPc+	25	29.20	0.0			0.8s	3.10nm	4.9mb	MBC	146.70	334	iPKPc	32	57.50	2.2
	Z 22s		14.81um						0.8s	3.10nm	4.9mb		1.0s		566.00nm			
SEG	80.51	324	eP	25	30.26	1.1			0.8s	3.10nm	4.9mb	HHC	147.17	102	ePKP	33	00.40	3.1X
BPA	81.22	324	eP	25	33.62	0.7			0.8s	3.10nm	4.9mb	KAGJ	148.00	137	ePKP	33	01.00	2.2
CNZ	81.48	195	P	25	34.70	0.5			0.8s	3.10nm	4.9mb	INK	148.57	318	ePKP	32	56.00	-2.5
NGZ	81.50	195	P	25	35.30	0.9			0.8s	3.10nm	4.9mb	BJI	148.91	108	ePKP	33	04.00	4.1X
NEV	81.53	323	eP	25	35.50	1.0			0.8s	3.10nm	4.9mb	KUMJ	149.20	136	ePKP	33	04.60	4.0X
CPD	83.47	320	eP	25	44.00	-0.5			0.8s	3.10nm	4.9mb	BALM	149.66	302	ePKPc	32	58.20	-2.4
NWAO	83.57	148	eP	25	45.00	0.0			0.8s	3.10nm	4.9mb	IRK	150.68	79	ePKP	33	07.20	5.0X
	0.6s		10.00nm						0.8s	3.10nm	4.9mb				e	33	17.00	
SJG	83.61	320	eP	25	45.00	-0.3			0.8s	3.10nm	4.9mb	TOA	151.75	303	ePKP	33	03.50	-0.1
LPR	83.70	321	eP	25	45.50	-0.2			0.8s	3.10nm	4.9mb	PMR	152.92	301	ePKP	33	01.28	-3.9X
PORP	83.73	320	eP	25	45.00	-0.8			0.8s	3.10nm	4.9mb	Z 20s			9.00um			6.6MsZ
CLLP	83.73	320	P	25	45.50	-0.3			0.8s	3.10nm	4.9mb				e	33	13.20	
MGP	83.84	319	eP	25	45.00	-1.3			0.8s	3.10nm	4.9mb				PKPab	33	29.00	
LRS	84.02	320	eP	25	46.50	-0.8			0.8s	3.10nm	4.9mb	SLKM	153.08	298	ePKP	33	02.50	-3.0X
TOO	84.11	172	iPc	25	48.00	0.3			0.8s	3.10nm	4.9mb				e	33	13.50	
			i	25	56.00	25kmX			0.8s	3.10nm	4.9mb	KDC	153.16	291	ePKP	33	06.00	0.4
MUN	84.17	147	eP	25	48.00	0.0			0.8s	3.10nm	4.9mb	FBA	153.21	308	ePKP	33	03.60	-1.9
	1.0s		140.00nm						0.8s	3.10nm	4.9mb	RSO	154.25	297	ePKP	33	01.50	-5.8X
	Z 20s		13.20um						0.8s	3.10nm	4.9mb				e	33	16.00	
	N 20s		7.40um						0.8s	3.10nm	4.9mb	MAT	155.35	144	ePKP	33	15.00	5.7X
	E 20s		5.90um						0.8s	3.10nm	4.9mb		1.3s		28.85nm			
BFD	84.25	169	iPc	25	48.00	-0.3			0.8s	3.10nm	4.9mb	SVW	155.79	297	ePKP	33	07.80	-1.4
			i	26	02.30	49km			0.8s	3.10nm	4.9mb				e	33	21.00	
KLB	84.97	148	eP	25	58.00	6.0X			0.8s	3.10nm	4.9mb				PKPab	33	35.90	
	0.7s		33.00nm						0.8s	3.10nm	4.9mb	IMA	155.82	310	ePKP	33	06.90	-2.3
BAL	85.60	147	eP	25	55.00	-0.2			0.8s	3.10nm	4.9mb	CN2	156.30	114	ePKP	33	16.00	5.7X
	1.0s		105.00nm						0.8s	3.10nm	4.9mb	TTA	156.37	302	ePKP	33	14.50	4.5X
COOL	86.55	151	eP	26	00.00	0.1			0.8s	3.10nm	4.9mb	ADK	163.09	260	ePKP	33	16.00	-1.4
	0.7s		22.00nm						0.8s	3.10nm	4.9mb				iPKPab34	10.30		
CAN	86.57	174	eP	26	00.40	0.4			0.8s	3.10nm	4.9mb							
CNB	86.60	175	eP	26	01.00	0.8			0.8s	3.10nm	4.9mb							
MRWA	86.69	146	eP	26	00.20	-0.4			0.8s	3.10nm	4.9mb							
BWA	87.44	174	eP	26	04.30	0.1			0.8s	3.10nm	4.9mb							
FORR	88.22	156	eP	26	08.00	0.1			0.8s	3.10nm	4.9mb							
STK	89.39	168	iPd	26	13.70	0.2			0.8s	3.10nm	4.9mb							
	1.0s		7.70nm						0.8s	3.10nm	4.9mb							
MEKA	89.88	147	eP	26	15.50	-0.4			0.8s	3.10nm	4.9mb							
TIO	89.99	14	iP	26	19.70	3.5X			0.8s	3.10nm	4.9mb							
			i	26	35.50	55km			0.8s	3.10nm	4.9mb							
			i	26	46.00				0.8s	3.10nm	4.9mb							
CMS	90.18	171	iPc	26	18.00	0.8			0.8s	3.10nm	4.9mb							
AVE	92.31	14	eP	26	32.00	5.4X			0.8s	3.10nm	4.9mb							
			e	26	46.00	47km			0.8s	3.10nm	4.9mb							
WARB	92.40	154	eP	26	27.50	0.0			0.8s	3.10nm	4.9mb							
	0.7s		36.00nm						0.8s	3.10nm	4.9mb							
NANU	92.78	143	eP	26	28.50	-0.8			0.8s	3.10nm	4.9mb							
IFR	92.84	16	iP	26	32.50	3.2X			0.8s	3.10nm	4.9mb							
			i	26	38.00	17kmX			0.8s	3.10nm	4.9mb							
RMO	95.35	174	eP	26	41.00	-0.1			0.8s	3.10nm	4.9mb							
			e	30	13.00				0.8s	3.10nm	4.9mb							
			e	32	21.00				0.8s	3.10nm	4.9mb							
ASPA	96.34	160	iPd	26	45.00	-0.7			0.8s	3.10nm	4.9mb							
	1.0s		15.00nm						0.8s	3.10nm	4.9mb							
WRA	100.05	160	Pdiff	27	01.00	-1.3			0.8s	3.10nm	4.9mb							
	1.0s		4.60nm						0.8s	3.10nm	4.9mb							
WB2	100.06	160	ePdiff	27	02.70	0.4			0.8s	3.10nm	4.9mb							

QIS	100.31	165	ePdiff	27	02.00	-1.5			0.8s	3.10nm	4.9mb							
OHR	105.89	34	ePKP	31	44.00	3.9X			0.8s	3.10nm	4.9mb							
			e	34	03.00				0.8s	3.10nm	4.9mb							
TBR	107.47	323	ePKP	31	45.20	2.2			0.8s	3.10nm	4.9mb							
			ePP	32	02.50				0.8s	3.10nm	4.9mb							
VBY	108.47	28	e(PKP)	31	43.00	-1.7			0.									

15d 01h

KUSJ	4.24	31	iP+	22	41.50	-3.9X	GKN	48.13	274	P	30	16.34	-0.3	DEPTH = 116.7 ± 8.0 km				
			S	23	27.70		SNG	48.93	240	eP	30	23.20	0.6	4.3mb (3 obs.)				
MTMJ	4.25	228	iP+	22	46.90	1.3	IPM	50.59	237	ePc	30	41.00	5.7X	PAPUA NEW GUINEA		(202)		
ASAJ	4.68	8	iP+	22	49.20	-2.2	KGM	51.10	233	ePc	30	39.80	0.6	YYYY		0.06 131 iPd 37 29.80 -0.7		
			eS	23	41.30		INK	52.10	28	ePc	30	45.70	-0.4	MNDI		2.25 271 eP 37 51.80 1.7		
IIDJ	5.03	219	P	22	57.80	1.3		0.5s	22.00nm				5.4mb	PMG		3.41 159 iPd 38 05.30 0.0		
			S	23	59.90		MTN	52.99	193	eP	30	53.00	-0.2	OIS		15.53 203 eP 40 47.00 0.3		
TSRJ	6.04	231	P	23	12.40	1.9	NDI	53.50	279	eP	30	55.20	-1.8	MTN		16.00 245 eP 40 51.00 -1.7		
WKYJ	7.21	225	P	23	27.60	0.9	MBC	54.11	17	ePc	31	00.00	-0.8	WB2		17.69 218 eP 41 12.50 -0.9		
YONJ	7.87	240	P	23	37.50	1.7		0.7s	22.00nm				5.3mb	0.6s		10.60nm 4.3mb		
TKSJ	8.27	231	P	23	41.50	0.3	HYB	58.56	267	iPc	31	32.60	-0.8	eS		43 20.30		
SHNJ	10.07	241	eP	24	07.30	1.5		0.8s	28.60nm				5.5mb	ASPA		20.86 212 iPc 41 47.70 0.4		
MDJ	10.39	303	iPc	24	12.20	2.0	WB2	59.52	188	eP	31	38.10	-1.7	0.6s		13.20nm 4.5mb		
	1.0s		70.00nm			5.6mb		0.7s	24.40nm				5.4mb	STK		25.87 188 eP 42 36.60 1.2		
KUMJ	11.23	235	eP	24	22.60	1.0	WRA	59.52	188	P	31	38.00	-1.8	0.8s		5.30nm 4.1mb		
KAGJ	12.12	230	eP	24	34.30	0.9		0.6s	15.80nm				5.3mb	GUN		67.08 304 P 47 56.36 -0.2		
CN2	12.93	295	Pc	24	44.50	0.5	QUE	60.49	286	eP	31	46.30	-0.4	KKN		67.54 303 P 47 59.22 0.0		
	1.0s		30.00nm			5.0mb	KEV	61.25	339	iP	31	52.00	0.9	GKN		68.14 303 P 48 02.82 -0.1		
Z	14s		22.00um			4.2MsZ	YKA	61.57	31	eP	31	51.60	-1.7	KIC		150.84 272 PKP 56 54.70 6.5X		
N	10s		6.00um					0.7s	4.00nm				4.7mb	LIC		151.12 272 PKPc 56 55.50 6.9X		
E	10s		2.00um				GBA	61.69	264	Pd	31	52.70	-2.1	TIC		151.12 273 PKPc 56 55.50 6.9X		
			pP	24	53.00			0.6s	17.90nm				5.4mb	LKO		151.59 279 PKP 56 56.12 6.8X		
SNY	13.99	285	Pc	24	58.10	0.2	SOD	62.81	337	iP	32	01.00	-0.6	0.6s		13.50nm		
DL2	15.61	274	eP	25	19.00	0.2	DAG	63.37	355	iPc	32	04.20	-0.9	S.D. = 1.1 on 11 of 15 obs.				
	1.0s		110.00nm			5.0mb		0.6s	10.67nm				5.0mb	? JUN 15, 1991 02h 01m 50.16 ± 1.45s		35.701 N ± 67.7km 70.683 E ± 51.8km		
SSE	18.73	250	Pc	25	55.00	-2.3	KOD	63.75	261	eP	32	07.50	-1.3	DEPTH = 33.0km (normol)		4.2mb (4 obs.)		
	1.0s		360.00nm			5.6mb	MCW	64.80	47	P	32	14.80	-0.1	HINDU KUSH REGION		(718)		
BJI	19.65	280	Pc	26	04.50	-2.8	PNT	66.24	45	eP	32	24.00	-0.1	GKN		14.12 119 P 05 10.06 0.0		
	1.0s		110.00nm			5.1mb		0.6s	7.00nm				4.8mb	DMN		14.68 119 P 05 18.26 0.7		
NJ2	19.97	255	Pd	26	08.00	-2.7	NANU	66.41	206	eP	32	24.50	-0.8	KKN		14.70 118 P 05 17.66 -0.1		
	1.0s		900.00nm			6.1mb X	WARB	66.83	195	eP	32	27.80	-0.2	PKI		14.92 119 P 05 21.00 0.3		
TIY	22.94	275	P	26	40.00	-0.5		0.5s	15.00nm				5.2mb	GUN		15.06 117 P 05 21.78 -0.8		
HHC	23.06	283	eP	26	39.80	-1.8	STK	71.01	180	eP	32	53.80	0.3	HFS		43.54 322 eP 09 51.50 -0.6		
	1.0s		40.00nm			4.8mb		0.6s	2.10nm				4.2mb	NAO		45.03 323 P 10 04.80 0.7		
YAK	23.73	346	eP	26	46.10	-1.7	HFS	71.97	336	eP	32	57.70	-1.3	0.7s		1.90nm 4.1mb		
			epP	27	10.00	113kmX		0.4s	6.80nm				4.9mb	WRA		81.79 122 P 14 07.00 -0.3		
			ePPP	27	20.00		NAO	72.32	337	P	33	00.30	-0.8	0.5s		1.40nm 4.2mb		
			ePcP	30	14.00			0.7s	7.00nm				4.7mb	WB2		81.80 122 eP 14 07.40 0.0		
			iS	30	54.00		KRA	77.21	326	eP	33	32.90	3.6X	0.5s		3.40nm 4.6mb		
			ePS	31	07.00		KSP	78.16	328	eP	33	37.80	3.3X	S.D. = 0.6 on 9 of 9 obs.				
			iS	31	19.00		CLL	79.10	330	i(P)c	33	40.10	0.5	% JUN 15, 1991 02h 52m 35.71 ± 0.77s		67.705 N ± 7.9km 15.039 E ± 9.1km		
			eSS	31	32.00			1.2s	15.00nm				4.8mb	DEPTH = 10.0km (geophysicist)				
			eSSS	31	59.00		ALO	82.82	50	eP	33	59.00	-0.7	NORTHERN NORWAY		(646)		
			eScS	37	46.00			i		35	19.00			MD 2.8 (BER).				
WHN	24.07	257	Pc	26	51.50	0.1		1.0s	13.75nm				4.9mb	LOF		0.71 308 iPc 52 49.59 -0.1		
	0.7s		100.00nm			5.4mb	CDF	83.62	331	eP	34	04.60	1.1	MOR7		1.43 185 iP 53 01.86 0.1		
Z	20s		5.50um			5.0MsZ		0.9s	9.85nm				4.8mb	TRO		2.40 34 ePg 53 19.39 3.8X		
N	17s		3.30um				BSF	84.29	331	eP	34	08.80	2.0	KTK1		3.31 63 eP 53 28.72 0.2		
E	20s		6.40um				HAU	84.30	332	eP	34	08.70	1.9	NSS		3.42 203 iP 53 31.36 1.2		
								Z	20s				6.5MsZ	ARA0		4.25 60 Pn 53 41.80 -0.1		
BTO	24.25	283	eP	26	52.60	-0.6	LOR	85.83	333	eP	34	15.50	1.1	Pn		53 51.90		
XAN	26.76	269	P	27	14.50	-2.1		1.1s	19.55nm				5.1mb	Lg		54 50.40		
GZH	29.10	244	P	27	37.40	-0.3		Z	18s				6.7MsZ	NRA0		7.16 194 Pn 54 21.60 -1.3		
LZH	30.00	276	eP	27	44.50	-1.4	FLN	85.98	336	eP	34	16.80	1.7	S.D. = 1.1 on 6 of 7 obs.				
	1.0s		93.00nm			5.5mb		Z	18s				6.7MsZ	JUN 15, 1991 03h 47m 25.55 ± 1.15s		16.690 N ± 6.0km 60.856 W ± 9.5km		
Z	30s		6.82um			5.1MsZ	LDF	86.02	336	eP	34	16.90	1.6	DEPTH = 9.8 ± 3.7 km				
E	10s		5.19um					0.7s	7.70nm				4.9mb	LEEWARD ISLANDS		(92)		
GYA	31.97	257	Pd	28	02.00	-1.1	LBF	86.03	333	eP	34	16.40	1.0	MD 3.8 (TRN). ML 3.7 (FDF).				
	1.0s		100.00nm			5.6mb		0.7s	5.50nm				4.7mb	DEG		0.42 208 iPc 47 35.72 1.5		
N	19s		4.80um				SSF	86.13	333	eP	34	17.00	1.1	SFG		0.54 217 iPc 47 37.29 0.8		
E	18s		4.00um					1.0s	12.00nm				4.9mb	SEG		0.68 245 eP 47 38.93 -0.2		
CD2	32.01	266	eP	28	00.80	-2.6	LPL	86.24	330	eP	34	16.80	0.0	MGG		0.89 210 iPc 47 42.75 0.2		
	1.0s		20.00nm			4.9mb	LPG	86.25	330	eP	34	16.40	-0.5	BPA		1.02 290 iPc 47 45.07 0.2		
GTA	32.17	284	P	28	05.60	0.8		0.8s	8.05nm				4.8mb	PAG		1.03 230 eP 47 44.14 -0.9		
	1.0s		20.00nm			4.9mb		0.7s	8.25nm				4.9mb	MGH		1.30 271 ePd 47 49.00 -0.7		
QIZ	34.23	243	eP	28	23.40	0.7	SMF	86.36	332	eP	34	18.10	1.0	S		47 54.60		
WMO	40.02	294	P	29	11.80	0.6		0.8s	7.40nm				4.8mb	S		47 57.10		
	Z	18s	6.60um			5.5MsZ	AVF	86.41	333	eP	34	18.50	1.2	S		47 54.60		
N	16s		2.70um					0.7s	10.45nm				5.0mb	S		47 49.00		
CHG	42.20	253	ePd	29	29.20	0.0	GRR	86.43	336	eP	34	18.50	1.2	S		48 03.70		
LSA	42.30	273	P	29	31.70	1.2	LPF	86.80	336	eP	34	19.40	0.3					
BDT	43.14	252	eP	29	34.70	-2.1		0.7s	9.90nm				5.0mb					
TTA	43.28	36	eP	29	38.60	1.1	MAF	87.18	333	eP	34	22.80	1.8					
SVW	43.41	39	ePc	29	40.10	1.5		1.0s	13.00nm				5.0mb					
BRW	44.06	24	ePc	29	44.20	0.5	MFF	87.77	335	eP	34	25.50	1.6					
PDB	44.15	41	P	29	44.80	0.3	CAF	88.48	333	eP	34	28.20	0.9					
IMA	44.46	32	ePc	29	47.90	0.8	LFF	88.93	333	eP	34	30.40	1.0					
KHT	45.03	249	eP	29	53.00	0.9		0.7s	6.60nm				5.0mb					
KDC	45.17	44	ePc	29	52.50	-0.2	LPO	89.00	333	eP	34	30.60	0.8					
PMR	46.52	38	ePc	30	03.10	-0.2		0.7s	8.80nm				5.1mb					
FBA	46.90	33	P	30	06.90	0.6	LPB	145.38	57	ePKP	41	13.00	-0.8					
			i	30	19.00		CNCB	145.66	57	PKP	41	15.20	0.7					
GUN	47.22	274	P	30	09.68	-0.1	CCH	147.27	56	ePKP	41	20.00	3.3X					
KKN	47.74	274	P	30	13.64	0.0		S.D. = 1.2 on 104 of 109 obs.										
PKI	47.75	273	P	30	13.36	-0.5		* JUN 15, 1991 01h 37m 12.88 ± 1.03s										
TOA	47.86	37	ePc	30	14.90	0.9		6.203 S ± 10.8km 145.921 E ± 14.0km										

BBL 1.31 207 ePc 47 48.96 -0.8
S 48 03.60
CPB 1.32 316 eP 47 50.52 0.5
eS 48 09.78
DTMT 1.53 198 eP 47 52.43 -0.5
eS 48 11.13
NEV 1.70 285 eP 47 55.50 0.1
S 48 15.50
CRM 1.93 182 eP 47 58.70 0.0
S 48 20.90
FDF 1.97 188 eP 47 58.50 -0.8
0.1s 2.80nm
S 48 20.50
MVM 2.12 181 eP 48 01.49 -0.1
BIM 2.17 185 eP 48 02.79 0.5
S 48 27.20
SVV 3.37 186 eP 48 19.46 0.1
eS 48 57.71

S.D. = 0.7 on 16 of 16 obs.

* JUN 15, 1991 03h 55m 06.29 ± 1.64s
40.970 N ± 15.2km 22.932 E ± 7.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)

VAY 0.44 322 iPg 55 15.00 -0.3
iSg 55 22.20
MMB 0.86 44 iPg 55 22.00 -0.9
KKB 0.90 7 iPg 55 23.00 -0.6
SKO 1.50 312 ePn 55 34.80 1.5
eSn 55 52.80
OHR 1.62 276 ePn 55 34.00 -1.0
VTS 1.63 7 iP 55 36.00 0.7
KDZ 1.99 69 iS 55 41.00 0.6
iS 56 08.00

S.D. = 1.2 on 7 of 7 obs.

? JUN 15, 1991 03h 59m 56.01 ± 0.92s
20.803 S ± 21.1km 178.270 W ± 18.6km
DEPTH = 550.0km (geophysicist)
4.6mb (7 obs.)

FIJI ISLANDS REGION (181)

CNB 31.85 236 iPd 05 38.50 0.9
PMG 35.17 284 eP 06 06.00 0.5
0.8s 29.85nm 5.0mb
STK 37.43 244 eP 06 24.80 0.9
0.8s 2.70nm 3.9mb
ASPA 44.21 257 iPd 07 18.30 0.1
1.0s 37.90nm 4.9mb
WB2 44.30 262 iPc 07 18.30 -0.6
0.6s 16.90nm 4.7mb
WRA 44.31 262 P 07 18.00 -1.0
0.7s 9.80nm 4.4mb
FORR 48.91 247 eP 07 53.50 -0.4
WARB 50.50 253 eP 08 05.40 -0.3
0.5s 8.00nm 4.5mb
MUN 58.97 245 eP 09 05.00 0.0
MRWA 59.50 248 eP 09 08.20 -0.3
MAT 70.30 324 eP 10 16.00 0.1
1.4s 27.91nm 4.6mb
TNP 81.92 44 (P) 11 18.80 -0.7
FBA 88.59 12 P 11 51.80 0.9
NAO 139.50 353 PKP 18 15.70 -6.3X
0.7s 1.10nm
HFS 139.80 351 ePKP 18 14.50 -8.1X
0.4s 1.20nm
HRI 147.41 300 ePKP 18 42.70 6.3X
KSP 147.90 343 iPKPd 18 42.20 5.7X
JVI 148.02 297 ePKP 18 43.40 6.0X
CLL 148.30 346 iPKP 18 42.40 5.3X
0.8s 18.00nm
i 18 48.30
BRG 148.49 345 iPKP 18 43.60 6.2X
0.6s 10.00nm
i 18 49.10
RMN 148.91 295 ePKP 18 45.50 6.6X
PRU 149.15 344 ePKP 18 45.00 6.5X
e 18 52.00
GRB5 150.66 347 ePKP 18 48.80 8.0X
0.8s 10.00nm

S.D. = 0.7 on 13 of 23 obs.

& JUN 15, 1991 04h 04m 35.24s
60.067 N 152.414 W
DEPTH = 81.4km
SOUTHERN ALASKA (2)

<AEIC>.

RED 0.40 333 eP 04 47.98 -0.6
RSO 0.43 337 iP 04 48.49 -0.5
RS2 0.43 337 iP 04 48.45 -0.6
eS 04 58.77
REF 0.45 341 iP 04 48.62 -0.5
eS 04 58.95
RDW 0.46 335 eP 04 48.58 -0.6
eS 04 59.80
RDN 0.48 339 iP 04 48.78 -0.5
eS 04 59.44
RDT 0.51 0 iP 04 48.77 -0.7
eS 04 59.86
DFR 0.54 346 iP 04 49.22 -0.6
eS 05 00.20
NCT 0.56 333 eP 04 49.09 -0.9
eS 05 59.92
NNL 0.56 92 iP 04 50.28 0.4
HOM 0.57 136 eP 04 49.52 -0.3
eS 05 00.97
XLV 0.71 150 eP 04 50.40 -0.9
S 05 03.30
CNPM 0.81 132 eP 04 51.76 -0.6
eS 05 04.72
BRK 0.83 111 eP 04 50.86 -1.8
AUE 0.86 215 eP 04 52.03 -0.9
AUH 0.88 217 eP 04 52.50 -0.8
NKA 0.89 40 iP 04 54.57 1.2
AUI 0.90 215 eP 04 52.19 -1.2
PDB 0.94 253 eP 04 52.89 -1.0
S 05 06.67
SPU 1.13 9 iP 04 55.79 -0.5
eS 05 11.72
CKL 1.13 2 iP 04 55.86 -0.6
eS 05 11.99
SLKM 1.18 67 eP 04 56.31 -0.6
eS 05 12.09
BGL 1.20 1 eP 04 56.50 -0.7
eS 05 12.53
CRP 1.21 6 eP 04 57.14 -0.3
CGLM 1.26 9 eP 04 57.64 -0.4
eS 04 58.70
CDD 1.30 209 eP 04 57.13 -1.3
S 05 13.74
MCNL 1.32 229 iP 04 57.18 -1.5
S 05 14.10
NCG 1.35 5 eP 04 58.68 -0.4
eS 05 16.28
SYI 1.46 180 eP 04 59.90 -0.6
SEW 1.49 87 eP 04 59.62 -1.2
SUA 1.62 30 eP 05 02.68 -0.1
PMS 1.84 49 eP 05 05.05 -0.5
SKT 1.97 12 eP 05 05.48 -1.8
LTI 2.29 89 eP 05 09.60 -2.0
KNIM 2.35 81 eP 05 09.82 -2.7
KNK 2.37 54 eP 05 11.16 -1.6
MTU 2.39 90 eP 05 11.23 -1.9
GHO 2.41 43 eP 05 12.05 -1.4
SML 2.65 47 eP 05 15.20 -1.5

39 obs. associated

JUN 15, 1991 04h 12m 12.01 ± 0.50s
39.323 N ± 4.8km 23.861 E ± 3.7km
DEPTH = 13.6 ± 3.9 km
3.6mb (1 obs.)

AEGEAN SEA (365)
MD 4.0 (ATH), 4.0 (ISK).

ATH 1.35 185 ePn 12 36.40 0.0
KZN 1.89 302 ePn 12 43.80 -0.4
EZN 1.97 74 iPn 12 46.90 1.6
VAY 2.23 334 iPn 12 50.40 1.4
1.0s 468.00nm
iSn 13 32.30
Lg 13 40.00
RDO 2.23 35 ePn 12 49.40 0.4
MMB 2.27 357 iPc 12 49.00 -0.6
KKB 2.61 347 iP 12 54.00 -0.5
KDZ 2.61 27 iPc 12 54.00 -0.5
VLI 2.70 196 ePn 12 54.70 -1.1
VLS 2.80 247 ePb 12 59.60 2.3
IZM 2.81 108 iPn 12 59.20 1.8
PLD 2.85 13 iP 12 59.00 1.1
KGT 2.88 66 ePn 12 59.40 1.1
OHR 2.95 308 iPn 13 01.80 2.5
1.5s 1026.00nm

iSg 13 50.00
Lg 14 04.70
MFT 3.00 60 ePn 13 04.00 3.9X
DIM 3.01 24 iP 13 01.00 1.0
KEK 3.17 278 ePn 13 03.80 1.4
SKO 3.22 326 ePn 13 03.90 0.7
1.2s 231.00nm
iPg 13 13.00
i 13 38.50
iSn 13 40.20
i 13 55.00
Lg 14 33.50
PGB 3.23 4 iPd 13 04.00 0.6
BNT 3.29 70 ePn 13 02.10 -2.1
VTS 3.30 352 iP 13 05.00 0.5
PVL 4.05 15 iP 13 13.00 -1.8
YER 4.11 121 ePn 13 20.50 4.7X
NPS 4.29 160 ePn 13 20.80 2.5
KHL 4.53 101 ePn 13 19.60 -2.3
LCI 4.66 284 P 13 21.60 -2.0
HRT 4.70 70 ePn 13 22.00 -2.2
BRT 5.34 289 P 13 32.20 -1.0
DRA 5.36 3 eP 13 33.00 -0.5
ROI 5.65 275 P 13 37.00 -0.7
ORI 5.76 280 P 13 39.00 -0.2
TDS 5.83 276 P 13 40.00 -0.1
CSI 5.87 277 P 13 41.70 1.0
eSn 14 42.80
CZI 6.00 271 P 13 41.70 -0.7
eSn 14 47.40
CMP 6.01 8 ePc 13 42.00 -0.6
MMN 6.10 278 P 13 45.20 1.3
TNR 6.33 3 ePc 13 47.00 -0.2
MLR 6.35 13 eP 13 48.00 0.4
MGR 6.45 280 P 13 48.40 -0.6
ATN 6.67 263 P 13 51.00 -1.0
SGO 6.69 283 P 13 51.40 -0.8
DUI 7.54 291 P 14 04.50 0.3
GIB 7.81 263 P 14 06.00 -2.0
SDI 8.01 290 P 14 11.00 0.1
FAI 8.27 259 P 14 13.50 -0.8
LJU 9.60 317 eP 14 38.00 5.3X
eSn 16 28.00
NAO 23.00 344 P 17 18.00 0.9
0.9s 1.90nm 3.6mb
KIC 41.73 226 P 20 06.00 3.8X
LIC 42.00 226 P 20 08.20 3.8X
S.D. = 1.3 on 44 of 49 obs.

* JUN 15, 1991 04h 45m 03.44 ± 0.73s
39.142 N ± 5.7km 23.512 E ± 15.4km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
MD 3.0 (ATH).

ATH 1.18 172 ePb 45 24.90 -0.5
KZN 1.78 311 ePb 45 34.10 -0.4
PRK 2.15 86 ePn 45 47.50 7.8X
VAY 2.29 342 ePn 45 42.30 0.4
VLI 2.46 191 ePb 45 44.90 0.6
RZN 2.70 19 iP 45 48.00 0.1
KKB 2.74 353 iP 45 48.00 -0.3
OHR 2.86 314 ePn 45 58.00 8.0X
S.D. = 0.6 on 6 of 8 obs.

* JUN 15, 1991 05h 17m 06.08 ± 1.51s
36.352 N ± 16.5km 70.602 E ± 8.6km
DEPTH = 224.2 ± 18.8 km
4.2mb (6 obs.)
HINDU KUSH REGION (718)

QUE 6.86 207 eP 18 45.80 0.2
0.7s 27.05nm 4.5mb
eS 20 03.60
NDI 9.46 142 iPd 19 18.50 -0.5
0.5s 24.65nm 4.7mb
iS 20 58.00
GKN 14.50 121 P 20 22.92 0.4
DMN 15.07 121 P 20 29.90 0.3
KKN 15.08 120 P 20 29.58 -0.1
PKI 15.30 121 P 20 31.84 -0.7
GUN 15.42 119 P 20 34.46 0.4
HFS 42.99 322 eP 24 44.60 0.2
0.4s 3.00nm 4.1mb
NAO 44.47 323 P 24 56.00 -0.3
0.4s 1.30nm 3.7mb
WRA 82.19 122 P 29 03.00 -0.3

15d 05h

0.9s 3.50nm 4.1mb
WB2 82.20 122 iPd 29 03.60 0.3
1.1s 4.90nm 4.1mb
S.D. = 0.5 on 11 of 11 obs.

? JUN 15, 1991 05h 20m 09.87 ± 0.97s
18.045 N ± 14.8km 76.883 W ± 7.8km
DEPTH = 10.0km (geophysicist)
JAMAICA REGION (86)
MD 2.6 (HOJ).

STH 0.07 63 iPc 20 12.43 0.1
S 20 13.82
HOJ 0.13 109 ePc 20 12.90 -0.2
iS 20 15.29
PCJ 0.41 222 P 20 18.32 0.1
SPJ 0.65 266 ePc 20 22.74 -0.1
S 20 33.57
S.D. = 0.3 on 4 of 4 obs.

* JUN 15, 1991 05h 28m 13.40s
38.810 N 122.765 W
DEPTH = 6.0km
NORTHERN CALIFORNIA (36)
<BRK>. ML 3.1 (BRK).

NWRM 0.37 195 eP 28 20.70 -0.1
ZSP 0.95 155 eP 28 31.30 -0.6
eS 28 46.00
BRK 1.02 157 ePd 28 33.00 0.0
eS 28 46.80
BKS 1.02 156 eP 28 31.60 -1.5
iS 28 47.80
ORV 1.23 52 eP 28 36.10 -0.6
PCC 1.34 167 eP 28 38.20 -0.3
MHC 1.71 148 e(P) 28 43.70 -0.4
ARN 1.75 146 eP 28 43.00 -1.6
MIN 1.78 30 eP 28 45.00 0.0
WDC 1.78 6 e(P) 28 48.50 3.7
CMB 2.02 112 iPd 28 47.70 -0.8
SAO 2.29 152 eP 28 50.70 -1.7
12 obs. associated

* JUN 15, 1991 05h 49m 45.36 ± 2.10s
28.083 N ± 14.8km 129.864 E ± 9.5km
DEPTH = 32.9 ± 12.3 km
4.4mb (11 obs.) 4.4Msz (3 obs.)
RYUKYU ISLANDS (238)

KAGJ 3.22 16 P 50 34.10 -0.7
KUMJ 4.52 10 P 50 52.50 -0.7
SHNJ 6.12 10 eP 51 15.50 -0.3
SSE 8.13 294 Pc 51 44.00 0.0
0.6s 10.00nm 5.1mb
Z 16s 1.90um
N 15s 0.80um
E 14s 0.70um

TSRJ 9.07 33 P 51 56.20 -0.8
NJ2 10.32 295 Pd 52 14.50 0.3
E 12s 1.20um

MAT 10.99 38 eP 52 32.00 8.6X
SNY 14.64 341 eP 53 14.80 2.9
Z 24s 1.30um
E 13s 1.00um

CN2 16.08 348 eP 53 34.00 3.5X
Z 22s 2.00um
N 10s 0.30um
E 10s 0.40um

XAN 18.89 294 P 54 05.00 -0.6
HHC 19.70 315 eP 54 18.00 3.1X
E 13s 0.50um

BTD 20.55 313 eP 54 25.40 1.7
CD2 22.88 283 eP 54 47.50 0.3
LZH 23.40 297 eP 54 51.50 -0.8
1.5s 28.00nm 4.6mb
Z 20s 1.33um 4.4Msz
N 15s 1.33um

KMI 24.41 269 eP 54 51.50 -10.8X
1.5s 28.00nm
Z 20s 1.33um 4.4Msz
N 15s 1.33um

GTA 27.30 302 eP 55 28.20 -0.8
sP 55 07.50

1.0s 10.00nm 4.4mb
Z 20s 0.80um 4.3Msz
N 11s 0.30um

GUN 38.68 280 P 57 00.00 -8.3X
WRA 47.94 174 P 58 27.00 4.2X
1.2s 2.30nm 4.1mb

WB2 47.94 174 iPd 58 22.80 0.0
1.0s 1.20nm 3.9mb
ASPA 51.59 175 eP 58 56.20 5.5X
1.8s 4.70nm 4.1mb

FBA 61.72 29 P 00 03.00 0.5
INK 66.62 24 eP 00 34.50 0.2
MBC 67.69 14 eP 00 40.50 -0.5

0.6s 11.00nm 5.1mb
YKA 76.24 26 eP 01 32.80 0.9
0.8s 3.40nm 4.4mb

HFS 77.86 333 eP 01 39.30 -1.6
0.4s 1.20nm 4.3mb
Z 17s 0.23um 4.6MszX

NAO 78.57 334 P 01 43.20 -1.7
0.9s 1.90nm 4.1mb

CLL 83.46 326 iP 02 17.20 6.4X
FFC 86.29 27 iPc 02 26.60 1.7
0.8s 7.00nm 4.9mb

FRB 87.33 8 eP 02 27.00 -2.8
TNP 89.08 47 P 02 41.80 2.8
e 02 48.20

ZOBO 159.64 58 PKP 09 39.00 -4.0X
S.D. = 1.5 on 22 of 31 obs.

? JUN 15, 1991 05h 57m 43.86 ± 2.64s
39.022 N ± 22.5km 21.027 E ± 11.7km
DEPTH = 10.0km (geophysicist)
GREECE (364)

IGT 0.74 314 ePc 57 57.85 -0.6
eS 58 09.54
AGG 1.02 90 ePc 58 03.86 0.8
eS 58 18.82

LIT 1.56 46 iPc 58 11.61 -0.1
eS 58 32.22

FNA 1.78 9 ePd 58 14.78 -0.1
iS 58 36.38

OHR 2.09 355 ePn 58 21.10 1.6
GRG 2.20 28 iPd 58 20.50 -0.5
eS 58 50.10

PAIG 2.24 65 ePc 58 20.94 -0.6
iS 58 51.46

SOH 2.54 44 ePd 58 27.74 2.0
eS 58 55.90

KNT 2.57 33 iPc 58 24.58 -1.7
VAY 2.58 27 ePn 58 26.00 -0.4
OUR 2.63 59 ePc 58 25.46 -1.6

SRS 2.87 42 iPc 58 31.58 1.0
S.D. = 1.3 on 12 of 12 obs.

% JUN 15, 1991 06h 23m 25.88 ± 1.24s
42.998 N ± 9.9km 18.679 E ± 8.7km
DEPTH = 10.0km (geophysicist)
YUGOSLAVIA (383)

ML 1.5 (TTG).

BRY 0.14 226 iPg 23 29.33 0.0
iSg 23 31.76

NKY 0.30 128 iPg 23 32.45 0.3
iSg 23 37.86

HCY 0.57 194 iPg 23 37.38 0.0
iSg 23 46.00

PLE 0.62 57 iPg 23 38.40 0.0
iSg 23 47.66

TTG 0.71 143 iPg 23 39.55 -0.3
iSg 23 50.33
S.D. = 0.3 on 5 of 5 obs.

JUN 15, 1991 07h 20m 53.58 ± 0.47s
40.454 N ± 3.8km 23.535 E ± 4.4km
DEPTH = 10.0km (geophysicist)
GREECE (364)

OUR 0.36 109 iPd 21 01.53 0.5
eS 21 07.40

SOH 0.39 340 iPc 21 01.56 -0.1
eS 21 07.20

THE 0.47 292 ePc 21 02.40 -0.7
eS 21 08.68

PAIG 0.54 168 iPc 21 03.72 -0.7
eS 21 10.92

SRS 0.66 4 iPc 21 06.38 -0.4
eS 21 17.72

KNT 0.86 326 ePd 21 09.72 -0.4
eS 21 21.16

LIT 0.87 247 ePc 21 10.28 -0.1
eS 21 22.52

GRG 1.00 301 ePd 21 13.76 1.3
eS 21 28.96

VAY 1.13 320 ePn 21 15.00 0.2
MMB 1.14 7 iPg 21 15.00 0.0

RZN 1.52 36 iPc 21 21.00 0.0
AGG 1.71 213 ePc 21 24.04 0.5

KDZ 1.86 49 iP 21 30.00 4.3X
S.D. = 0.6 on 12 of 13 obs.

* JUN 15, 1991 07h 27m 48.58 ± 1.89s
11.066 S ± 9.1km 163.617 E ± 12.0km
DEPTH = 36.6 ± 15.9 km
4.6mb (5 obs.)
SOLOMON ISLANDS (193)

HNR 3.96 294 eP 28 49.00 0.5
eS 29 47.00

SVO 4.20 297 iP 28 50.00 -1.9
eS 29 43.00

VSG 4.25 295 eP 28 55.00 2.4
eS 29 43.00

DZM 11.27 166 iPc 30 29.00 -1.4
PMG 16.29 274 eP 31 39.50 3.2X
1.1s 32.91nm 4.4mb

RMO 20.78 220 eP 32 31.00 1.8
1.0s 98.00nm 5.1mb

QIS 24.93 245 eP 33 09.70 -0.3
e 33 23.00

CMS 26.15 216 e(P) 33 21.70 0.4
BWA 27.08 208 eP 33 31.70 1.8

CAN 27.56 206 eP 33 38.10 3.8X
STK 29.03 221 iPc 33 47.90 0.4

1.0s 5.20nm 4.2mb
WB2 29.51 249 iPc 33 50.10 -1.9
1.1s 16.40nm 4.7mb

ASPA 30.93 242 iPc 34 02.90 -1.6
1.1s 15.40nm 4.7mb

WARB 37.97 241 eP 35 04.00 -0.9
YAK 77.52 344 eP 39 42.80 0.9

IMA 83.10 16 eP 40 12.50 0.7
MAW 83.92 202 eP 40 17.00 1.2

FBA 84.00 19 eP 40 15.20 -1.0
GUN 84.51 300 P 40 18.88 -1.1

PKI 84.82 299 P 40 21.38 -0.1
KKK 84.99 299 P 40 20.80 -1.4

DMN 85.09 299 P 40 22.86 0.1
GKN 85.59 299 P 40 21.50 -3.6X

SBB 86.99 54 eP 40 31.00 -0.8
RVR 87.17 55 eP 40 34.00 1.5

PLM 87.42 55 eP 40 37.00 3.0X
CLC 87.47 53 eP 40 37.00 3.0X

GSC 87.96 54 eP 40 35.00 -1.4
INK 90.61 19 eP 41 04.50 16.5X

ALO 96.18 56 e(P) 41 15.00 0.3
NAO 126.44 344 PKP 46 50.80 1.7
1.0s 2.00nm

S.D. = 1.4 on 25 of 31 obs.

JUN 15, 1991 07h 39m 09.52 ± 0.26s
15.171 N ± 4.2km 120.310 E ± 5.7km
DEPTH = 10.0km (geophysicist)
5.1mb (39 obs.) 4.7Msz (7 obs.)
LUZON, PHILIPPINE ISLANDS (249)

QVP 0.86 129 P 39 30.70 4.6X
SZP 2.37 3 P 39 50.80 1.7

CVP 2.91 30 P 39 57.50 0.8
PPR 5.58 196 P 40 45.00 10.4X

N 13s 2.50um	PKI 34.64 297 P 46 01.26 -0.4	PRU 88.32 322 ePd 52 36.50
E 17s 2.70um	KKN 34.80 297 P 46 02.16 -0.8	52 02.70 0.0
TSM 11.10 192 eP 41 51.50 0.1	0.9s 76.00nm 5.6mb	2.0s 23.40nm 5.1mb
SSE 15.87 3 P 42 52.50 -2.1	DMN 34.91 297 P 46 03.80 -0.1	Z 18s 0.60um 5.1msz
Z 20s 3.20um	0.9s 69.00nm 5.5mb	
N 16s 1.50um	GKN 35.41 297 P 46 07.56 -0.4	BRG 88.35 323 eP 52 04.80 2.0
E 16s 1.50um	0.8s 65.00nm 5.5mb	CLL 88.73 323 eP 52 04.00 -0.6
pP 43 02.50	PMG 36.11 131 eP 46 13.50 -0.3	KHC 89.23 321 P 52 07.50 0.4
WHN 16.25 341 Pc 43 02.00 2.5X	1.0s 28.00nm 5.1mb	1.3s 6.00nm 4.7mb
2.0s 400.00nm 5.2mb	WB2 37.53 158 iPd 46 24.00 -1.7	
Z 22s 1.40um 4.4msz	0.6s 58.40nm 5.5mb	MOX 89.80 323 eP 52 12.00 2.3
N 14s 1.40um	IRK 39.15 344 eP 46 40.00 1.0	GRB5 90.38 321 ePKP 52 12.70 0.3
E 14s 1.80um	e 57 37.00	CSI 90.83 312 P 52 17.80 3.1X
NJ2 16.86 356 Pc 43 09.50 2.4X	WMO 39.81 322 P 46 47.00 2.3	CZI 91.14 311 P 52 15.50 -0.6
1.2s 200.00nm 5.1mb	1.0s 10.00nm 4.4mb	YKA 91.57 22 eP 52 17.20 -0.4
Z 21s 1.70um 4.7msz	PP 48 20.00	0.8s 4.60nm 4.9mb
N 13s 0.90um	PcP 48 53.50	CDF 93.31 322 eP 52 25.70 -0.3
E 15s 2.00um	sS 52 58.50	1.0s 10.00nm 5.2mb
KMI 19.22 304 Pc 43 40.00 3.2X	HYB 40.09 279 ePc 46 48.50 1.3	PGF 94.82 316 eP 52 30.60 -2.5
NNT 20.14 265 iPc 43 48.80 2.1	1.0s 50.00nm 5.1mb	0.7s 6.60nm 5.2mb
MKS 20.27 182 iPc 43 51.50 3.3X	OIS 40.25 151 eP 46 48.00 -0.4	LPG 94.97 320 eP 52 33.90 -0.1
CHG 20.75 283 eP 43 54.70 1.6	ASPA 40.82 161 iPc 46 52.40 -0.7	0.9s 7.35nm 5.1mb
1.1s 47.47nm 4.8mb	0.7s 43.00nm 5.3mb	LPL 94.97 320 eP 52 33.80 -0.1
SNG 20.87 250 eP 43 57.00 2.6X	MEKA 41.57 182 eP 46 58.00 -1.1	0.8s 8.05nm 5.2mb
KHT 20.98 272 iPc 43 58.50 3.0X	KOD 42.03 269 eP 47 05.30 1.8	LBF 95.95 322 eP 52 37.60 -0.6
TIA 21.15 353 eP 43 57.20 0.1	MRWA 44.32 185 eP 47 20.50 -1.0	1.1s 12.20nm 5.3mb
KGM 21.26 234 ePc 44 00.40 2.1	POO 44.50 281 iP 47 21.70 -1.6	KIC 121.50 287 PKP 58 05.60 -0.3
XAN 21.42 333 P 44 01.50 1.6	BOM 45.46 282 eP 47 32.20 1.4	LIC 121.82 287 PKP 58 05.90 -0.5
1.4s 100.00nm 5.0mb	0.8s 4.00nm 4.4mb	LPB 171.80 101 PKP 59 32.00 11.5X
N 14s 1.80um	MUN 47.04 185 eP 47 44.00 0.9	ZOBO 171.81 99 PKP 59 28.00 7.2X
E 14s 2.40um	YAK 47.26 6 eP 47 42.80 -1.7	CNCB 171.86 103 ePKP 59 24.00 3.2X
S 47 56.00	NWAO 47.92 183 eP 47 50.00 0.0	S.D. = 1.2 on 102 of 118 obs.
IPM 21.69 243 ePd 44 09.70 6.9X	0.7s 6.00nm 4.8mb	
CD2 21.80 319 eP 44 04.20 0.4	Z 20s 0.60um 4.6msz	% JUN 15, 1991 07h 58m 57.19±1.17s
1.0s 200.00nm 5.5mb	0.9s 27.73nm 5.2mb	39.134 N ± 7.2km 27.662 E ± 14.5km
Z 18s 1.80um 4.5msz	STK 51.04 157 iPc 48 13.00 -1.0	DEPTH = 5.0km (geophysicist)
N 11s 3.60um	0.5s 5.50nm 4.7mb	TURKEY (366)
TIY 23.51 344 eP 44 22.10 1.5	BWA 56.10 152 eP 48 51.60 0.2	MD 2.9 (ISK).
Z 18s 2.19um 4.7msz	CAN 57.11 152 eP 48 59.40 0.7	
E 13s 1.27um	CNB 57.27 152 e(P) 49 00.60 0.8	Izm 0.80 203 ePg 59 13.20 0.0
DL2 23.67 3 eP 44 22.00 0.0	TOO 57.56 156 eP 49 01.00 -0.8	iSg 59 25.20
1.5s 300.00nm 5.6mb	MAIO 57.75 303 iPd 49 03.90 0.6	EDC 1.22 7 ePn 59 20.00 -0.4
Z 16s 1.50um 4.6mszX	0.8s 12.81nm 5.0mb	BNT 1.24 9 iPn 59 20.90 0.3
N 15s 1.60um	DZM 58.43 128 iPc 49 09.60 1.4	EZN 1.24 304 ePn 59 20.70 0.0
E 15s 1.60um	IR4 64.70 302 ePd 49 50.50 0.0	KGT 1.35 348 ePn 59 22.60 0.1
S 48 38.00	IR1 64.87 302 ePd 49 51.00 -0.5	S.D. = 0.3 on 5 of 5 obs.
PSI 24.46 242 ePc 44 37.50 7.7X	IR7 64.93 303 eP 49 52.00 0.1	
BJI 25.04 352 eP 44 36.00 0.8	DHR 65.88 292 P 49 58.50 0.6	? JUN 15, 1991 08h 16m 19.29±1.24s
1.5s 200.00nm 5.6mb	OBN 74.12 324 eP 50 47.00 -0.7	14.812 N ± 21.0km 119.783 E ± 14.7km
Z 24s 1.46um 4.4mszX	Z 20s 0.60um 4.9msz	DEPTH = 10.0km (geophysicist)
N 14s 0.85um	IMA 74.64 25 eP 50 51.00 0.3	4.5mb (3 obs.)
eS 49 03.00	PMR 77.06 29 eP 51 03.50 -0.8	LUZON, PHILIPPINE ISLANDS (249)
LZH 25.50 328 eP 44 40.00 0.1	FBA 77.20 26 eP 51 06.60 1.6	
2.0s 280.00nm 5.6mb	BHL 77.34 302 P 51 06.50 -0.1	QVP 1.20 99 (P) 16 41.60 0.0
Z 16s 3.02um 4.9mszX	HRI 77.38 301 iPc 51 07.90 1.1	WB2 37.39 157 iPd 23 33.60 -0.7
N 16s 5.05um	DSI 77.98 300 iPc 51 11.10 1.1	0.5s 9.00nm 4.8mb
pP 44 50.00 37kmX	TOA 78.37 29 eP 51 13.00 1.4	
sP 44 54.00	HQL 78.68 297 P 51 08.70 -5.2X	ASPA 40.66 160 eP 24 02.20 0.7
PP 45 18.00	RMN 78.81 299 iPc 51 15.60 0.9	0.4s 3.80nm 4.5mb
eS 49 02.00	NUR 79.69 330 eP 51 18.00 -0.7	NAO 86.13 332 P 29 01.60 0.0
sS 49 20.00	0.9s 18.00nm 5.1mb	1.0s 3.20nm 4.5mb
MAT 26.60 34 eP 44 50.00 0.1	CFR 80.90 314 eP 51 25.00 -0.4	S.D. = 1.0 on 4 of 4 obs.
1.0s 9.00nm 4.4mb	VRI 81.73 315 ePc 51 30.00 0.2	
eS 49 40.00	INK 81.87 21 eP 51 29.00 -1.1	? JUN 15, 1991 08h 43m 10.37±0.86s
HHC 26.69 345 eP 44 53.00 2.2	MBC 82.20 12 eP 51 30.00 -1.7	15.078 N ± 15.7km 120.741 E ± 22.9km
1.6s 90.00nm 5.2mb	0.9s 8.00nm 4.8mb	DEPTH = 10.0km (geophysicist)
Z 19s 2.50um 4.8msz	MLR 82.35 315 eP 51 33.00 -0.2	4.5mb (4 obs.)
N 13s 0.70um	PVL 83.33 313 iPc 51 39.00 0.9	LUZON, PHILIPPINE ISLANDS (249)
E 14s 0.50um	KDZ 83.66 311 iP 51 40.00 0.1	
S 49 23.00	RZN 84.16 311 iPd 51 42.00 -0.6	QVP 0.52 151 (P) 43 43.00 22.1X
SNY 26.71 5 Pd 44 49.30 -1.5	DEV 84.31 316 ePc 51 45.00 1.9	CHG 21.18 283 eP 47 58.50 0.2
1.0s 40.00nm 5.1mb	VTs 85.00 313 iPc 51 47.00 0.2	BJI 25.19 352 eP 48 38.00 0.5
Z 18s 1.70um 4.6msz	HFS 85.01 331 eP 51 45.20 -1.0	1.5s 18.00nm 4.5mb
E 15s 1.00um	0.5s 4.20nm 4.9mb	WB2 37.29 159 eP 50 24.00 -0.5
S 49 28.00	SPC 85.09 320 eP 51 45.70 -1.5	0.6s 6.00nm 4.5mb
BTO 26.87 342 P 44 54.50 2.1	KKB 85.29 312 iPc 51 47.00 -1.1	ASPA 40.60 161 eP 50 52.80 0.7
N 17s 1.60um	VAY 85.81 312 iP 51 49.70 -0.9	0.4s 4.00nm 4.5mb
E 13s 1.20um	NAO 86.05 332 P 51 49.60 -1.8	NAO 86.32 333 P 55 52.80 -0.9
eS 49 25.00	0.8s 10.60nm 5.1mb	0.8s 3.30nm 4.6mb
SS 50 39.50	BUD 86.39 318 e(P) 51 53.00 -0.4	S.D. = 0.9 on 5 of 6 obs.
SHL 28.53 296 iP 45 06.50 -1.2	SKO 86.43 312 eP 51 53.00 -0.7	
GTA 30.10 327 eP 45 23.00 1.4	SRO 86.74 319 eP 51 54.30 -0.8	* JUN 15, 1991 09h 06m 46.45±0.71s
1.0s 10.00nm 4.6mb	KSP 86.97 322 ePc 51 56.50 0.3	15.188 N ± 11.8km 120.534 E ± 18.7km
Z 10s 2.90um 5.2mszX	0.9s 19.00nm 5.3mb	DEPTH = 10.0km (geophysicist)
E 15s 1.60um	OHR 87.15 312 eP 51 56.40 -0.9	4.5mb (7 obs.) 4.1msz (2 obs.)
GUN 34.32 297 P 45 59.00 0.1	ZST 87.38 319 eP 52 06.30 8.1X	LUZON, PHILIPPINE ISLANDS (249)
0.8s 148.00nm 5.9mb		

15d 09h

OVP 0.72 141 (P) 07 09.00 8.4X
 TGY 1.15 160 P 07 10.70 2.8
 CHTO 20.96 283 (P) 11 32.20 0.0
 XAN 21.50 333 P 11 39.20 1.6
 CD2 21.93 318 eP 11 42.80 0.8
 TIY 23.56 344 eP 12 00.00 2.1
 Z 18s 0.73um 4.2Msz
 E 13s 0.48um
 BJI 25.05 352 eP 12 12.00 -0.3
 1.2s 12.00nm 4.5mb
 LZH 25.60 327 eP 12 21.00 3.2X
 1.5s 57.00nm 5.0mb
 Z 18s 0.49um 4.1Msz
 N 13s 0.65um
 pP 12 30.00 32kmX
 HHC 26.73 345 eP 12 30.00 1.9
 GTA 30.20 327 eP 12 58.60 -0.9
 1.2s 10.00nm 4.5mb
 WB2 37.46 158 eP 13 55.10 -7.0X
 0.6s 4.90nm 4.5mb
 e 14 40.60
 e 15 51.90
 e 18 12.10
 WMO 39.93 322 eP 14 23.50 0.9
 HYB 40.30 279 eP 14 25.00 -0.9
 ASPA 40.77 161 iPc 14 27.20 -2.4
 0.7s 5.30nm 4.4mb
 OBN 74.24 324 eP 18 29.00 3.7X
 FBA 77.09 26 P 18 41.00 -0.3
 INK 81.77 21 eP 19 05.00 -1.5
 VRI 81.87 315 iPc 19 07.00 -0.5
 MBC 82.13 12 eP 19 08.00 -0.3
 1.0s 7.00nm 4.7mb
 MLR 82.49 315 eP 19 10.00 -0.9
 NAO 86.13 332 P 19 26.50 -2.3
 0.8s 2.60nm 4.5mb
 S.D. = 1.6 on 17 of 21 obs.

? JUN 15, 1991 09h 18m 39.98±1.21s
 31.573 S ±19.2km 69.229 W ±20.1km
 DEPTH = 10.0km (geophysicist)
 4.5mb (2 obs.)
 SAN JUAN PROVINCE, ARGENTINA (137)
 RTBS 0.21 245 iPd 18 54.50 -0.1
 S 19 05.30
 RTCB 0.38 77 iPc 18 55.60 0.3
 S 19 07.20
 RTLL 0.69 70 iPd 18 57.40 -0.2
 RTRS 1.41 352 iPd 19 05.50 0.0
 S 19 25.00
 S.D. = 0.4 on 4 of 4 obs.

? JUN 15, 1991 09h 31m 18.69±2.17s
 14.860 N ±24.0km 119.706 E ±19.9km
 DEPTH = 10.0km (geophysicist)
 4.5mb (2 obs.)
 LUZON, PHILIPPINE ISLANDS (249)
 OVP 1.28 100 P 31 42.50 0.1
 SZP 2.77 15 P 32 03.30 -0.6
 BJI 25.28 354 eP 36 48.00 1.4
 1.5s 21.00nm 4.6mb
 NAO 86.05 332 P 43 59.80 -0.8
 0.9s 2.30nm 4.4mb
 S.D. = 1.7 on 4 of 4 obs.

* JUN 15, 1991 09h 48m 56.26±1.14s
 14.850 N ±13.9km 119.977 E ±16.4km
 DEPTH = 10.0km (geophysicist)
 4.4mb (3 obs.)
 LUZON, PHILIPPINE ISLANDS (249)
 OVP 1.02 103 P 49 15.10 -0.4
 SZP 2.73 10 P 49 42.30 1.4
 BJI 25.32 353 eP 54 24.00 -0.6
 1.5s 23.00nm 4.6mb
 ASPA 40.63 160 eP 56 39.40 1.2
 0.6s 5.70nm 4.5mb
 INK 82.28 21 eP 01 18.00 -1.0
 NAO 86.18 332 P 01 38.20 -0.6
 0.7s 1.30nm 4.2mb
 S.D. = 1.3 on 6 of 6 obs.

* JUN 15, 1991 09h 52m 44.66±0.84s
 15.177 N ±12.5km 120.176 E ±11.6km
 DEPTH = 10.0km (geophysicist)
 4.9mb (7 obs.)

LUZON, PHILIPPINE ISLANDS (249)
 OVP 0.97 124 P 53 05.00 1.9
 SZP 2.38 6 P 53 27.00 2.7
 WHN 16.20 342 Pc 56 40.00 6.0X
 1.0s 30.00nm 4.4mb
 NJ2 16.84 356 eP 56 43.00 0.9
 CHG 20.62 283 eP 57 28.60 1.7
 1.0s 14.50nm 4.3mb
 XAN 21.36 334 P 57 34.80 0.4
 CD2 21.71 319 eP 57 39.60 1.6
 1.2s 200.00nm 5.4mb
 TIY 23.47 344 eP 57 56.00 0.7
 BJI 25.02 353 eP 58 09.50 -0.6
 LZH 25.43 328 eP 58 15.50 1.2
 1.5s 85.00nm 5.2mb
 pP 58 25.00 34kmX
 HHC 26.65 345 eP 58 25.40 -0.2
 GTA 30.03 327 P 58 56.00 -0.1
 1.0s 10.00nm 4.6mb
 GUN 34.20 297 P 59 33.16 0.1
 PKI 34.52 297 P 59 35.36 -0.4
 KKN 34.69 297 P 59 36.66 -0.4
 DMN 34.79 297 P 59 37.62 -0.4
 GKN 35.29 297 P 59 41.36 -0.8
 IRK 39.11 345 eP 00 13.20 -0.6
 WMO 39.73 323 P 00 20.00 0.9
 1.0s 100.00nm 5.4mb
 HYB 39.96 279 ePc 00 22.50 1.2
 YAK 47.27 6 eP 01 16.60 -3.1
 MAIO 57.64 304 eP 02 38.00 0.3
 VRI 81.63 315 eP 05 03.00 -1.5
 MBC 82.22 12 eP 05 04.00 -2.9
 NAO 85.98 332 P 05 23.60 -2.7
 1.1s 11.00nm 4.9mb
 S.D. = 1.6 on 24 of 25 obs.

* JUN 15, 1991 10h 21m 38.57±0.97s
 14.737 N ±14.7km 119.391 E ±17.9km
 DEPTH = 10.0km (geophysicist)
 4.6mb (3 obs.)
 LUZON, PHILIPPINE ISLANDS (249)
 OVP 1.57 94 (P) 22 07.00 0.6
 BJI 25.36 354 eP 27 07.00 -0.3
 WB2 37.47 156 eP 28 53.70 -0.6
 0.7s 16.20nm 4.9mb
 e 31 20.10
 ASPA 40.72 159 eP 29 21.40 0.1
 0.5s 5.70nm 4.5mb
 FBA 77.97 26 (P) 33 37.00 -1.3
 NAO 86.02 332 P 34 21.90 1.6
 0.9s 4.00nm 4.6mb
 S.D. = 1.3 on 6 of 6 obs.

* JUN 15, 1991 10h 31m 23.25±0.90s
 15.383 N ±14.5km 120.478 E ±13.7km
 DEPTH = 10.0km (geophysicist)
 4.7mb (8 obs.)
 LUZON, PHILIPPINE ISLANDS (249)
 OVP 0.91 146 (P) 31 49.00 8.3X
 WHN 16.10 341 ePc 35 19.00 7.7X
 1.0s 30.00nm 4.4mb
 CHG 20.86 282 eP 36 07.60 -0.4
 CD2 21.75 318 eP 36 19.00 2.0
 TIY 23.35 344 Pd 36 34.60 1.8
 S 40 53.00
 BJI 24.85 352 eP 36 49.00 1.8
 1.5s 44.00nm 4.9mb
 LZH 25.41 327 eP 36 54.00 1.3
 1.0s 50.00nm 5.2mb
 MAT 26.33 34 eP 37 01.00 -0.2
 1.0s 6.00nm 4.2mb
 SNY 26.49 5 Pc 37 02.50 0.1
 WMO 39.74 322 P 38 58.00 0.2
 HYB 40.21 279 eP 39 01.00 -1.0
 ASPA 40.97 161 eP 39 10.40 2.4
 0.6s 5.00nm 4.4mb
 YAK 47.04 6 eP 39 55.60 -0.8
 QUE 51.07 296 eP 40 28.20 -0.1
 MAIO 57.77 303 eP 41 16.00 -1.2
 FBA 76.94 26 P 43 16.60 -0.7
 INK 81.61 21 eP 43 41.30 -1.2
 MBC 81.96 12 ePc 43 43.50 -0.7
 1.0s 12.00nm 4.9mb
 HFS 84.90 331 eP 43 58.20 -1.2

0.5s 1.30nm 4.4mb
 NAO 85.94 332 P 44 02.60 -2.0
 0.8s 7.40nm 4.9mb
 S.D. = 1.4 on 18 of 20 obs.
 JUN 15, 1991 10h 41m 14.24±0.15s
 15.316 N ±2.8km 120.522 E ±3.6km
 DEPTH = 10.0km (geophysicist)
 5.5mb (67 obs.) 5.4Msz (18 obs.)
 LUZON, PHILIPPINE ISLANDS (249)
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.8.: 13S, 25C
 Centroid Location:
 Origin Time 10:41:16.6 0.4
 Lat 15.42N 0.04 Lon 120.83E 0.07
 Dep 34.0 4.9 Half-duration 2.6
 Moment Tensor: Scale 10**17 Nm
 Mrr=-0.57 0.18 Mtt= 3.91 0.17
 Mff=-3.34 0.22 Mrt=-0.71 0.52
 Mrf= 1.46 0.36 Mtf=-0.11 0.29
 Principal Axes:
 T Val= 4.03 Plg=10 Azm=183
 N -0.07 64 294
 P -3.97 23 89
 Best Double Couple: Mo=4.0*10**17
 NP1: Strike=228 Dip=66 Slip=-170
 NP2: 134 81 -24

OVP 0.83 146 (P) 41 39.50 9.2X
 SZP 2.22 358 P 41 55.20 3.5X
 PPR 5.78 198 P 42 43.70 1.6
 MAP 6.00 145 P 42 51.00 5.8X
 HKC 9.19 320 eP 43 26.70 -3.1
 MCO 9.45 317 eP 43 30.40 -3.1
 DAV 9.56 148 ePc+ 43 42.00 7.0X
 1.6s 933.33nm 6.9mb X
 OZH 9.75 350 Pc 43 36.50 -1.0
 1.0s 170.00nm 6.4mb
 Z 16s 16.60um 4.1Msz
 N 16s 10.60um
 E 16s 15.20um
 ANP 9.86 5 e(P) 43 38.00 -1.2
 GZH 10.28 320 eP 43 42.00 -2.9
 Z 16s 19.60um
 N 11s 14.60um
 E 11s 19.00um
 OIZ 10.85 291 eP 43 48.60 -4.2X
 N 13s 9.90um
 E 16s 10.90um
 TSM 11.28 193 ePc 44 00.50 1.9
 MNI 14.43 162 eP 44 45.50 4.9X
 SSE 15.72 2 Pc 44 58.00 0.7
 1.0s 37.00nm 4.6mb
 Z 20s 21.10um 4.4Msz
 E 14s 6.70um
 sP 45 02.00
 eS 47 46.00
 sS 48 02.00
 WHN 16.18 341 eP 45 03.50 0.2
 1.2s 300.00nm 5.3mb
 Z 18s 8.50um 3.7Msz
 N 15s 6.10um
 E 15s 16.40um
 NJ2 16.73 355 Pc 45 12.20 1.9
 1.2s 500.00nm 5.5mb
 Z 20s 8.40um 4.3Msz
 N 17s 3.20um
 E 16s 11.50um
 GYA 17.03 313 P 45 15.00 0.8
 N 11s 10.70um
 E 13s 9.30um
 S 48 23.00
 KAGJ 18.43 29 P 45 34.00 2.5X
 KMI 19.31 303 Pc 45 44.50 1.8
 3.0s 1560.00nm 5.7mb
 Z 20s 10.60um 4.7Msz X
 KUMJ 19.54 27 P 45 44.50 -0.5
 NST 19.65 274 eP 45 47.00 0.7
 NNT 20.35 265 iPc 45 53.30 -0.4
 CHG 20.92 283 ePd 45 58.50 -1.1
 1.0s 97.75nm 5.1mb
 eS 49 52.00
 SHNJ 21.02 25 P 46 00.50 0.0
 TIA 21.03 352 Pc 46 00.00 -0.6
 1.6s 700.00nm 5.8mb
 Z 21s 6.20um 5.0Msz

15d 10h

N 16s	3.20um					N 17s	13.40um			QUE	51.14	297 eP	50 19.30	-0.5
E 16s	8.30um						pP	47 35.60	34kmX		1.4s	219.77nm		5.9mb
SNG	21.12	250 eP	49 54.00	-0.1		MDJ	30.20	13 eP	53 55.00	CMS	52.49	153 eP	50 29.00	-0.7
	1.2s	181.25nm	5.3mb				3.0s	500.00nm	5.8mb	BRS	52.74	143 iPc	50 31.60	-0.1
		e	49 52.50			N 18s	2.70um				1.0s	15.00nm		4.9mb
KHT	21.18	271 eP	46 02.50	0.2		E 18s	6.20um			ADE	52.90	161 eP	50 32.20	-0.6
XAN	21.38	333 P	46 04.00	-0.2			pP	47 38.00	46kmX		0.5s	112.68nm		6.1mb
	1.1s	300.00nm	5.6mb			LSA	30.57	303 P	52 20.00	COO	54.71	147 eP	50 46.00	-0.2
N 14s	13.80um						eS	47 31.70	0.7	BWA	56.13	152 eP	50 57.10	0.7
E 14s	15.40um					N 17s	2.40um			BFD	56.18	159 iPc	50 54.00	-2.6
	S	49 58.00					S	52 30.00		CAN	57.14	152 eP	51 03.10	-0.5
KGM	21.51	234 ePd	46 07.30	1.7		ASAJ	34.32	29 P	48 04.00	CNB	57.30	152 iPd	51 04.70	-0.1
CD2	21.83	318 eP	46 09.20	0.4		GUN	34.43	297 P	48 04.16		0.9s	61.00nm		5.6mb
	1.0s	400.00nm	5.8mb				0.8s	248.00nm	6.2mb	TOO	57.61	157 ePc	51 05.70	-1.1
Z 16s	10.30um					KUSJ	34.57	32 P	48 05.60		0.7s	43.00nm		5.6mb
E 13s	15.30um					PKI	34.76	296 P	48 06.68	MAIO	57.84	303 iPd	51 09.30	0.6
	eS	50 04.50					0.8s	140.00nm	5.9mb		0.6s	16.83nm		5.2mb
IPM	21.94	243 ePc	46 15.00	5.0X		KKN	34.92	297 P	48 08.18	DZM	58.36	128 iPc	51 12.50	0.1
	0.9s	58.30nm	5.0mb				0.9s	215.00nm	6.0mb	TAU	62.95	158 eP	51 43.00	-0.2
WKYJ	23.22	33 eP	46 24.40	2.0		DMN	35.03	296 P	48 09.20	IR4	64.80	302 iPc	51 56.00	0.2
TIY	23.43	344 Pc	46 24.40	-0.1			0.8s	138.00nm	5.9mb	IR1	64.97	302 iPc	51 57.50	0.6
Z 18s	8.27um					GKN	35.52	297 P	48 12.60	IR7	65.02	303 iPc	51 58.00	0.7
E 13s	6.03um						0.8s	151.00nm	5.9mb	IR5	65.06	302 eP	51 59.00	1.5
	pP	46 33.00	31kmX			PMG	36.05	131 iPd	48 18.00	DHR	66.02	292 P	52 04.00	0.5
DL2	23.52	2 P	46 25.00	-0.2			1.0s	180.00nm	5.9mb	TAB	68.37	305 e(P)	52 20.00	1.5
	1.5s	400.00nm	5.8mb			RAB	36.85	119 e(P)	48 24.00	TTA	73.52	28 eP	52 50.00	1.1
Z 16s	5.50um					WB2	37.59	158 iPc	48 29.60	SVW	73.76	30 eP	52 50.80	0.5
N 15s	8.10um						0.9s	78.80nm	5.5mb	OBN	74.13	324 eP	52 51.00	-1.4
E 15s	7.50um						eS	53 23.10			1.1s	*****nm		8.5mb X
	S	50 36.00				NANU	37.96	188 eP	48 32.00	Z 18s	1.80um			5.4Msz
GUMO	23.63	91 e(P)	46 12.00	-14.6X		IRK	39.06	344 eP	48 41.80		e	02 19.00		
PJG	23.63	91 e(P)	46 10.00	-16.6X				e	48 46.00			10 52.00		
GUA	23.68	91 e(P)	46 27.00	-0.1				e	48 53.10	IMA	74.43	25 eP	52 54.70	0.5
TSRJ	24.44	32 eP	46 36.40	2.2X				ePP	50 15.00	KDC	75.60	34 eP	53 01.70	0.9
PSI	24.71	242 eP	46 43.00	6.0X				eS	54 40.00	KVT	75.99	309 eP	53 04.00	0.5
BJI	24.92	352 eP	46 38.50	-0.3				eSSS	57 33.00	PMR	76.84	29 P	53 06.40	-1.3
	1.2s	360.00nm	5.9mb			WMO	39.82	322 P	48 51.20		1.0s	45.00nm		5.5mb
Z 22s	6.14um						1.4s	30.00nm	4.8mb	KEV	76.97	339 eP	53 10.00	1.6
E 17s	7.28um						Z 18s	10.60um	5.7Msz	FBA	76.98	26 eP	53 08.40	-0.1
	eS	51 04.00				N 14s	11.10um			BHL	77.44	302 P	53 12.00	0.2
LZH	25.49	327 eP	46 44.50	0.0		E 15s	10.60um			SOD	77.49	337 iP	53 10.40	-0.9
	1.5s	250.00nm	5.7mb					PP	50 29.50			i	53 16.80	
Z 20s	11.40um							PcP	50 52.50	KAS	77.65	310 eP	53 13.50	0.7
N 12s	12.50um							S	54 55.00	TOA	78.14	29 eP	53 15.90	0.8
	pP	46 54.00	34kmX			HYB	40.27	279 eP	48 53.50	KLU	78.37	29 P	53 16.60	0.3
	PP	47 25.00				QIS	40.28	152 iPc	48 53.60	CSS	79.13	303 eP	53 21.20	0.2
	eS	51 10.00						i	48 57.00	NUR	79.67	330 eP	53 22.40	-0.9
	SS	52 10.00						e	53 47.00		0.8s	14.90nm		5.0mb
MTMJ	26.19	33 eP	46 48.60	-2.3		ASPA	40.89	161 iPc	48 57.10	BALM	80.16	29 P	53 27.00	0.9
MAT	26.37	33 iPd	46 51.70	-0.7			0.7s	58.00nm	5.4mb	EYL	80.48	309 eP	53 23.40	-4.9X
	1.3s	51.92nm	5.1mb			WARB	41.68	172 eP	49 03.00	ALT	80.83	308 iP	53 29.00	-1.1
Z 20s	3.90um					MEKA	41.72	183 eP	49 03.00	CFR	80.95	314 eP	53 30.00	-0.4
	eS	51 24.00					0.5s	21.00nm	5.1mb	KHL	81.44	307 eP	53 32.00	-1.3
CHJJ	26.43	35 eP	46 52.00	-1.0		NDI	42.07	296 eP	49 05.50	ELL	81.48	306 iP	53 34.80	1.2
SNY	26.55	5 Pc	46 52.00	-2.0		KOD	42.24	268 eP	49 11.00	INK	81.66	21 eP	53 33.50	-0.2
	1.2s	100.00nm	5.4mb			MRWA	44.49	186 eP	49 26.40	VRI	81.77	315 ePc	53 33.00	-1.7
Z 20s	7.90um					POO	44.67	281 iP	49 27.60	MBC	82.01	12 eP	53 35.00	-0.4
N 15s	5.90um					BOM	45.63	282 iPc	49 37.20		1.0s	48.00nm		5.5mb
E 20s	8.50um					KSH	45.69	311 P	49 41.00	BNT	82.19	310 iP	53 35.90	-1.2
	S	51 20.00					E 12s	4.80um		MLR	82.39	315 eP	53 39.00	0.8
HHC	26.61	345 eP	46 55.20	0.5				pP	49 48.00	MFT	82.57	310 eP	53 38.00	-1.1
	1.4s	310.00nm	5.8mb					PP	51 28.00	JMB	82.67	312 eP	53 40.00	0.5
Z 18s	8.40um							eS	56 19.00	CMP	83.07	315 iPd	53 41.00	-0.5
N 14s	3.50um					BAL	45.80	185 eP	49 27.00	UPP	83.23	330 iP	53 41.50	-0.4
E 13s	5.50um						0.7s	20.00nm		ALN	83.45	310 ePd	53 43.52	0.0
	S	51 31.00				FORR	46.47	171 eP	49 41.50	BMR	83.47	318 ePd	53 47.00	3.5X
BTO	26.80	342 P	46 57.00	0.5		KLB	46.71	183 eP	49 42.00	TNR	83.49	315 ePd	53 46.00	2.3X
	N 17s	7.10um					0.3s	5.00nm	5.1mb	DIM	83.53	312 iP	53 44.00	0.1
E 14s	4.10um					YAK	47.10	6 iPc	49 46.80	KDZ	83.72	311 iP	53 45.00	0.1
	sP	47 08.00						ePcP	51 24.00	RZN	84.21	311 iPd	53 47.00	-0.6
	S	51 28.50						ePP	51 36.00	DEV	84.35	316 iPc	53 49.00	1.0
	SS	52 42.50						eS	56 34.00	PGB	84.38	312 eP	53 48.00	-0.3
YAMJ	28.55	33 P	47 13.00	0.7				ePS	56 43.00	SIT	84.78	32 P	53 51.80	2.0
SHL	28.65	295 iP	47 12.50	-1.0				eScS	59 38.00		1.0s	50.00nm		5.7mb
		eS	52 03.00					eSS	00 06.00	HFS	84.98	331 eP	53 50.00	-0.8
CN2	28.70	7 eP	47 12.00	-1.5				eSSS	00 44.00		1.5s	107.70nm		5.9mb
	1.0s	20.00nm	4.9mb			MUN	47.20	185 eP	49 51.00	Z 18s	1.81um			5.5Msz
Z 18s	17.00um					NWAO	48.07	184 eP	49 55.00		LR	27 29.00		
N 14s	4.00um						1.0s	40.00nm	5.5mb	DAG	85.01	351 iPc	53 50.70	0.0
E 14s	1.00um						Z 20s	2.20um	5.1Msz		1.0s	21.00nm		5.3mb
	eP	47 19.00	24kmX				N 20s	1.60um		KRA	85.04	321 eP	53 51.10	-0.2
MTN	29.89	159 eP	47 24.00	-0.4			E 20s	1.80um			0.9s	70.00nm		5.9mb
OFUJ	30.09	34 P	47 26.40	0.4		RKG	49.72	184 eP	50 10.00		e	53 55.90		
GTA	30.09	327 P	47 25.80	-0.5		RMQ	49.80	146 iPc	50 10.00	OUR	85.11	310 ePc	53 50.68	-1.2
	1.1s	40.00nm	5.2mb			STK	51.09	157 iPd	50 18.10	SPC	85.12	320 eP	53 52.60	0.6
Z 16s	13.30um						0.7s	11.30nm	4.9mb		i	53 56.00		

15d 10h

SRS	85.18	311	ePc	53	51.76	-0.5	LLS	92.98	320	ePc	54	31.30	1.9	PAIG	0.83	166	ePc	48	37.54	-1.0
SOH	85.44	311	ePc	53	52.72	-0.9	MME	93.04	317	P	54	33.20	3.4X				eS	48	50.06	
PAIG	85.45	310	ePc	53	52.60	-1.0	ZLA	93.08	321	ePc	54	33.50	3.8X	LIT	0.95	228	ePc	48	41.98	1.4
KNT	85.67	311	ePd	53	53.44	-1.3	CDF	93.33	322	eP	54	30.60	-0.2				eS	48	53.86	
PSZ	85.73	318	eP	53	55.90	1.0		0.9s	16.40nm			5.4mb		S.D. = 1.0 on 7 of 7 obs.						
THE	85.77	311	ePd	53	55.80	0.6	BOB	93.61	318	P	54	33.90	1.7	? JUN 15, 1991 11h 03m 49.57±1.10s						
VAY	85.87	312	iP	53	54.50	-1.1	BSF	93.88	322	eP	54	33.00	-0.4	14.952 N ±28.0km 120.239 E ±81.5km						
	1.2s	175.00nm			6.1mb			1.0s	16.00nm			5.4mb	DEPTH = 10.0km (geophysicist)							
		i		53	59.00		MMK	93.98	320	ePc	54	35.30	1.2	4.7mb (4 obs.)						
		i		58	49.00		DIX	94.31	320	ePc	54	36.90	1.3	LUZON, PHILIPPINE ISLANDS (249)						
NAO	86.01	332	P	53	54.70	-1.3	PGF	94.86	316	eP	54	37.80	-0.2	S.D. = 1.1 on 4 of 5 obs.						
	0.8s	22.80nm			5.4mb			0.9s	18.00nm			5.5mb	JUN 15, 1991 11h 11m 18.40±0.42s							
GRG	86.09	311	ePc	53	56.28	-0.6	LPG	94.99	320	eP	54	38.80	0.0	15.061 N ±7.0km 120.543 E ±9.4km						
LIT	86.27	310	iPd	53	57.80	0.1	LPL	94.99	320	eP	54	38.80	0.1	DEPTH = 10.0km (geophysicist)						
BUD	86.42	318	e(P)	53	59.00	0.7		0.9s	26.20nm			5.7mb	5.0mb (24 obs.)							
SKO	86.49	312	eP	53	59.00	0.3		0.9s	29.50nm			5.7mb	LUZON, PHILIPPINE ISLANDS (249)							
		i		04	23.00		BNI	95.24	319	P	54	41.50	1.7	DAV						
AGG	86.70	309	ePc	53	58.64	-1.2	LOR	95.89	322	eP	54	42.10	-0.5	23.90 90 eP 09 21.40 16.9X						
SRO	86.77	319	eP	54	00.60	0.7	LBF	95.97	322	eP	54	42.30	-0.6	37.35 158 eP 11 03.50 -0.7						
FNA	86.89	311	iPd	53	59.72	-1.0		0.8s	6.70nm			5.2mb	0.4s 9.30nm 4.9mb							
KSP	86.98	322	eP	53	58.20	-2.8	AVF	96.43	322	eP	54	44.50	-0.5	e 14 24.70 0.8						
	0.9s	39.00nm			5.6mb			0.9s	7.35nm			5.2mb	0.9s 5.70nm 4.3mb							
		i		54	02.20		PNT	96.66	35	eP	54	47.00	1.0	82.42 12 eP 16 13.00 0.1						
		i		54	05.90			0.9s	8.00nm			5.3mb	1.0s 8.00nm 4.8mb							
		e		58	55.50		MAF	97.19	322	eP	54	48.10	-0.3	NAO 86.21 332 P 16 32.20 -0.1						
UZD	87.00	317	e(P)	54	02.00	0.9	TCF	97.37	322	eP	54	49.10	-0.2	1.1s 4.40nm 4.6mb						
OHR	87.20	312	eP	54	01.80	-0.5		1.0s	8.00nm			5.3mb	S.D. = 1.1 on 4 of 5 obs.							
	1.0s	54.00nm			5.8mb		RJF	98.29	321	eP	54	53.40	0.0	JUN 15, 1991 11h 11m 18.40±0.42s						
ZST	87.41	319	eP	54	03.40	0.4		0.9s	9.85nm			5.5mb	15.061 N ±7.0km 120.543 E ±9.4km							
VKA	87.87	320	i(P)	54	06.00	0.7	Z	22s	0.98um			5.3msz	DEPTH = 10.0km (geophysicist)							
	3.0s	224.00nm			6.0mb		NEW	98.62	35	P	54	56.50	1.6	5.0mb (24 obs.)						
PRU	88.34	322	eP	54	08.00	0.5	LKO	121.18	291	PKP	00	09.50	-0.5	LUZON, PHILIPPINE ISLANDS (249)						
	Z	17s	1.50um		5.5msz			1.0s	15.00nm			5.6mb	DAV							
	N	17s	1.10um				KIC	121.66	288	PKP	00	10.84	0.0	9.33 148 eP 13 28.90 -7.1X						
	E	17s	1.10um					0.7s	15.50nm			0.0	e 17 54.80							
		e		54	35.50		TIC	121.80	288	PKP	00	11.14	0.0	QIZ						
		S		04	34.00			0.7s	11.00nm			0.0	N 14s 1.20um							
BRG	88.36	323	iP	54	08.40	0.9	LIC	121.97	288	PKP	00	11.30	-0.1	E 13s 2.00um						
	1.2s	23.00nm			5.4mb			0.6s	11.50nm			0.0	WHN							
	Z	18s	2.00um		5.6msz		UPA	148.73	41	ePKPc	01	04.20	3.8X	16.43 341 eP 15 14.00 3.4X						
		i		54	11.20		SDV	153.54	25	ePKP	01	09.00	1.2	1.5s 200.00nm 5.0mb						
		i		54	16.00		OLLA	153.80	17	ePKP	01	09.00	0.9	NJ2						
		i		54	36.30		GUAN	154.16	14	ePKP	01	10.00	1.4	16.98 355 Pc 15 21.50 3.9X						
		eS		04	51.00		NNA	162.81	81	e(PKP)	01	21.00	2.6X	KMI						
CLL	88.74	323	iP	54	09.90	0.6		0.8s	4.48nm			2.3X	19.47 304 Pc 15 51.00 2.3X							
	2.1s	64.00nm			5.5mb		PPD	169.78	228	(PKP)	01	26.00	2.3X	3.0s 420.00nm 5.2mb						
	Z	18s	1.50um		5.5msz		LPB	171.62	99	ePKP	01	26.00	0.8	NNT						
ZAG	88.96	317	eP	54	11.00	0.5	ZOBO	171.62	98	PKP	01	18.00	-7.4X	20.35 266 eP 15 58.80 0.9						
KHC	89.24	321	iPc	54	13.00	1.1		1.0s	10.00nm			4.6X	CHG							
	1.4s	14.50nm			5.0mb		CNCB	171.69	101	PKP	01	30.00	4.6X	1.2s 28.52nm 4.5mb						
	Z	22s	2.60um		5.6msz		SIV	178.32	114	PKP	01	27.40	0.9	SNG						
	N	22s	2.30um					i	03	27.00		0.0	21.05 250 eP 16 09.20 4.1X							
	E	22s	1.70um				S.D. = 1.1 on 208 of 235 obs.						TIA							
KMR	89.31	320	eP	54	13.00	0.8	? JUN 15, 1991 10h 46m 07.60±0.82s						21.28 352 eP 16 06.40 -0.9							
VBY	89.54	317	e(P)	54	15.00	1.7	15.156 N ±22.0km 120.468 E ±35.5km						KGM							
MOX	89.81	323	eP	54	15.00	0.5	DEPTH = 10.0km (geophysicist)						IPM							
	1.6s	23.00nm			5.2mb		4.8mb (4 obs.)						0.9s 42.50nm 4.9mb							
	Z	20s	1.60um		5.4msz		LUZON, PHILIPPINE ISLANDS (249)						CD2							
	N	19s	2.50um				ASPA	40.76	161	eP	53	50.60	0.0	22.03 319 eP 16 12.40 -2.6						
	E	20s	1.50um					0.6s	12.50nm			4.8mb	TSI							
		S		04	47.00		MAIO	57.88	303	eP	56	03.00	0.7	23.68 344 Pc 16 30.80 -0.3						
LJU	89.82	318	e(P)	54	15.00	0.4	OBN	74.22	324	eP	57	45.20	-1.1	PSI						
CEY	90.00	318	e(P)	54	16.00	0.5	MBC	82.18	12	eP	58	30.00	0.3	24.60 242 ePc 16 47.80 7.6X						
VOY	90.23	318	eP	54	16.10	-0.5		0.9s	5.00nm			4.6mb	BJI							
GRF	90.43	322	eP	54	17.10	-0.3	HFS	85.10	331	eP	58	45.00	0.2	1.5s 82.00nm 5.2mb						
	Z	20s	1.30um		5.4msz			0.9s	6.00nm			4.8mb	LZH							
		e		54	19.00		NAO	86.13	332	P	58	49.90	0.0	25.72 328 eP 16 52.50 1.8						
CSI	90.89	312	P	54	19.70	0.0		0.9s	6.60nm			4.8mb	1.5s 90.00nm 5.2mb							
TDS	90.90	312	P	54	21.10	1.4	S.D. = 0.8 on 6 of 6 obs.						MAT							
CZI	91.20	311	P	54	21.80	0.7	% JUN 15, 1991 10h 48m 22.42±0.73s						26.57 33 eP 17 00.00 1.6							
MGR	91.29	312	P	54	21.60	0.1	40.738 N ±5.7km 23.417 E ±7.1km						SNY							
YKA	91.36	22	eP	54	21.10	-0.3	DEPTH = 10.0km (geophysicist)						26.80 5 Pc 16 58.00 -2.5							
	0.8s	10.60nm			5.2mb		GREECE (364)						HHC							
DUI	91.50	314	P	54	25.60	3.0X	SOH	0.10	330	iPc	48	25.62	0.5	26.86 345 eP 17 01.60 0.4						
CTI	91.66	319	P	54	24.80	1.6		iS	48	27.57			1.4s 40.00nm 4.9mb							
ARV	91.84	316	P	54	25.20	1.2	THE	0.36	253	iPc	48	29.14	-0.7	BTO						
SDI	91.93	314	P	54	24.90	0.4		eS	48	33.38			27.05 342 eP 17 02.00 -0.9							
AQU	91.97	315	P	54	27.00	2.4X	SRS	0.40	19	ePc	48	30.74	0.1	SHL						
OSS	92.35	320	ePc	54	27.00	0.5	KNT	0.58	317	ePc	48	33.46	-0.7	30.31 327 Pd 17 32.80 0.4						
SFI	92.39	317	P	54	28.40	2.0		iS	48	41.14			1.4s 30.00nm 4.9mb							
CRE	92.45	316	P	54	27.90	1.0	OUR	0.59	133	ePc	48	34.69	0.4	GUN						
MNS	92.45	315	P	54	27.70	0.9		eS	48	43.34			34.57 297 P 18 08.80 -1.1							
PGD	92.50	317	P	54	28.60	1.4							1.0s 92.00nm 5.6mb							
MNO	92.72	310	P	54	29.40	1.0							PKI							
SLE	92.89	321	ePc	54	29.50	0.8							34.89 297 P 18 10.80 -1.9							

MAIO	58.00	304	iPd	21	15.00	1.1	Z	20s	8.70um	4.4Msz	N	17s	7.10um				
OBN	74.34	324	eP	22	58.00	0.2	N	18s	11.50um		E	14s	4.10um				
VR1	81.96	315	ePd	23	41.50	1.6	E	15s	10.90um				eSS	26	53.50		
MBC	82.26	12	eP	23	42.00	1.1	NJ2	16.91	356 Pc	19 28.00 1.7	YAMJ	28.80	33	eP	21	32.10 3.8X	
	1.0s	12.00nm			5.0mb			1.4s	600.00nm	5.5mb	CN2	28.91	8	eP	21	30.00 0.8	
HFS	85.22	331	eP	23	55.60	-0.6	Z	18s	10.00um	4.7Msz			17s	17.00um		5.7MszX	
	0.5s	1.40nm			4.4mb		N	15s	4.60um		N	14s	4.30um				
KRA	85.25	321	eP	23	57.50	1.0	E	15s	7.10um		E	14s	2.70um				
		e		24	03.90		GYA	17.05	314 P	19 29.20 1.0			ePP	21	40.00 36kmX		
NAO	86.25	332	P	24	00.70	-0.6	Z	2.0s	700.00nm	5.4mb	GTA	30.17	327	Pd	21	40.40 -0.3	
	0.9s	13.20nm			5.1mb		N	14s	13.10um	4.4Msz			1.6s	170.00nm		5.6mb	
KSP	87.20	322	eP	24	07.40	1.3	E	15s	11.20um		Z	16s	13.00um		5.7MszX		
PRU	88.55	322	P	24	14.50	1.9	KAGJ	18.68	29 P	19 48.40 0.1	E	12s	5.90um				
CLL	88.95	323	eP	24	15.00	0.5	KMI	19.28	304 Pd	19 52.50 -3.6X			pP	21	48.40 28kmX		
KHC	89.45	321	P	24	18.50	1.5		2.5s	750.00nm	5.5mb	OFUJ	30.34	34	eP	21	40.60 -1.4	
YKA	91.58	22	eP	24	24.90	-1.7			sP	20 08.00	MDJ	30.43	13	eP	21	42.50 -0.3	
	1.0s	3.80nm			4.7mb		NST	19.51	274 eP	20 00.00 1.5			1.5s	50.00nm		5.1mb	
CDF	93.54	322	eP	24	36.20	0.2	KUMJ	19.78	27 P	20 00.40 -1.0	N	14s	1.80um				
	1.1s	12.20nm			5.2mb		NNT	20.18	265 eP	20 06.80 1.2	E	14s	3.20um				
LPG	95.20	320	eP	24	44.40	0.5			e	36 59.00			S	26	40.00		
	0.9s	6.55nm			5.1mb		MKS	20.22	183 iPc	20 09.50 3.4X	GUN	34.38	297	P	22	17.72 -0.2	
LPL	95.20	320	eP	24	44.30	0.4	CHG	20.80	283 iPd	20 12.90 0.7			1.1s	572.00nm		6.4mb	
	0.9s	5.75nm			5.0mb			1.0s	98.00nm	5.1mb	ASAJ	34.57	29	P	22	18.20 -0.7	
ZOBO	171.57	99	PKP	31	31.00	1.5			eS	24 06.00	PKI	34.70	297	P	22	20.06 -0.6	
	S.D. = 1.2	on 42 of 52 obs.					SNG	20.90	250 eP	20 14.60 1.5			1.2s	379.00nm		6.2mb	
								1.2s	175.00nm	5.3mb	KUSJ	34.82	32	P	22	21.10 0.1	
	JUN 15, 1991	11h 15m 28.01±0.16s							e	36 58.00	KKN	34.87	297	P	22	21.36 -0.6	
	15.119 N ± 3.0km	120.355 E ± 3.8km					KHT	21.03	272 iPc	20 16.70 2.2			1.2s	306.00nm		6.1mb	
	DEPTH = 10.0km (geophysicist)						TJA	21.20	353 P	20 16.70 0.6	DMN	34.97	297	P	22	22.46 -0.5	
	5.7mb (63 obs.)	5.5Msz (9 obs.)						1.8s	700.00nm	5.7mb			1.1s	308.00nm		6.1mb	
	LUZON, PHILIPPINE ISLANDS	(249)						Z	17s	8.10um	GKN	35.47	297	P	22	26.20 -0.8	
	Felt at Manila. This is the							N	15s	6.10um			1.0s	250.00nm		6.0mb	
	largest of a series of							E	15s	4.20um	PMG	36.05	131	iPd	22	31.30 -0.5	
	earthquakes associated with the								S	24 05.00			1.1s	98.73nm		5.6mb	
	eruption of Pinatubo Volcano. At						KGM	21.26	234 ePc	20 18.90 2.0	WB2	37.46	158	iPc	22	42.70 -0.9	
	least 137 people were killed and						SHNJ	21.27	25 P	20 11.50 -5.3X			0.6s	81.70nm		5.7mb	
	extensive damage was caused in						XAN	21.48	333 P	20 18.80 -0.2			e	25	53.00		
	Zamboales Province by the							1.5s	800.00nm	5.9mb	NANU	37.74	187	eP	22	45.50 -0.4	
	eruptions.							N	14s	10.60um	IRK	39.21	344	ePc	22	58.00 0.0	
	CENTROID, MOMENT TENSOR (HRV)							E	14s	13.40um			e	23	24.10		
	Data Used: GDSN								S	24 10.00			ePP	24	34.10		
	L.P.B.: 14S, 25C						IPM	21.71	243 ePc	20 29.10 7.7X			eS	28	54.00		
	Centroid Location:							1.0s	141.30nm	5.3mb			eSS	31	32.00		
	Origin Time 11:15:28.3 0.5						CD2	21.87	319 iPd	20 23.20 0.2			eSSS	32	43.00		
	Lot 15.36N 0.03 Lon 120.12E 0.12							1.4s	1100.00nm	6.1mb	WMQ	39.88	322	Pd	23	04.00 0.3	
	Dep 15.0 FIX Half-duration 2.7						Z	14s	8.80um	5.3MszX			1.8s	80.00nm		5.1mb	
	Moment Tensor: Scale 10**17 Nm						N	11s	15.30um				Z	15s	9.00um	5.7MszX	
	Mrr=-0.86 0.25 Mtt= 3.04 0.17						E	11s	16.80um				N	13s	9.20um		
	Mff=-2.18 0.34 Mrt= 0.00 0.00						TIY	23.57	344 Pd	20 40.50 0.8			E	13s	5.70um		
	Mrf= 0.00 0.00 Mtf=-0.85 0.27							N	14s	5.43um				PP	24	41.00	
	Principal Axes:						DL2	23.72	2 P	20 42.00 1.0	HYB	40.14	279	iPd	23	06.90 0.8	
	T Val= 3.18 Plg= 0 Azm=189							2.0s	1500.00nm	6.2mb			1.2s	151.50nm		5.5mb	
	N -0.86 90 180						Z	16s	6.10um	5.2MszX	QIS	40.18	151	eP	23	05.00 -1.3	
	P -2.32 0 99						N	12s	2.00um		ASPA	40.76	161	iPd	23	10.50 -0.6	
	Best Double Couple:Mo=2.8*10**17						E	13s	1.90um				1.1s	60.70nm		5.2mb	
	NP1:Strike=234 Dip=90 Slip=-180								S	24 58.00	WARB	41.51	171	eP	23	16.00 -1.1	
	NP2: 324 90 0						PSI	24.47	242 ePd	20 55.70 7.2X	MEKA	41.52	182	eP	23	16.40 -0.8	
SZP	2.42	2 P	16	12.00	3.8X		TSRJ	24.69	32 eP	20 48.90 -1.5	GBA	41.56	274	Pd	23	18.30 0.6	
PPR	5.54	197 P	16	58.00	5.4X		BJI	25.10	352 eP	20 53.50 -0.7			1.3s	113.30nm		5.4mb	
MAP	5.94	143 P	17	07.00	8.9X			1.5s	380.00nm	5.9mb	NDI	42.01	296	eP	23	19.50 -1.8	
HKC	9.24	322 eP	17	41.00	-3.3X			Z	18s	7.03um	KOD	42.07	269	eP	23	23.50 1.1	
MCO	9.49	318 eP	17	45.30	-2.4			N	14s	3.83um	POO	44.55	281	iP	23	40.40 -1.8	
QZH	9.91	351 Pc	17	55.00	1.4				eS	25 12.00	KSH	45.69	311	eP	23	52.00 0.9	
	1.0s	80.00nm			6.1mb		LZH	25.57	328 eP	21 00.00 1.0			E	12s	5.80um		
	Z	16s	26.10um		4.6Msz			2.0s	960.00nm	6.1mb	COOL	45.74	179	eP	23	51.00 -0.4	
	N	14s	14.40um					Z	16s	16.80um		FORR	46.31	171	eP	23	54.00 -1.8
	E	14s	5.70um					N	13s	12.10um		KLB	46.51	183	eP	23	57.00 -0.4
		S		19	42.00				sP	21 12.50			0.3s	5.00nm		5.0mb	
GZH	10.33	321 P	17	56.50	-2.8		MTMJ	26.44	33 eP	21 08.60 1.6	MUN	47.00	185	eP	24	03.00 1.8	
	Z	12s	14.00um				MAT	26.62	33 iPd	21 09.40 0.9	YAK	47.31	6	eP	24	02.60 -0.8	
	N	12s	9.90um					1.9s	147.37nm	5.3mb			ePcP	25	43.00		
	E	12s	16.50um					Z	20s	3.90um			ePP	25	54.00		
QIZ	10.78	293 P	18	03.10	-2.4				eS	25 44.00			ePSP	29	26.00		
	2.0s	600.00nm			6.6mb		CHJJ	26.68	35 eP	21 06.80 -2.3			ePcS	29	33.00		
	N	13s	11.70um				HHC	26.75	345 eP	21 09.60 -0.2			eS	30	55.00		
	E	16s	12.60um					1.6s	300.00nm	5.7mb			ePS	31	01.00		
		S		20	02.00			Z	18s	12.10um			eScS	33	53.00		
TSM	11.06	192 eP	18	11.50	2.2			N	14s	8.50um			eSS	34	20.00		
MNI	14.29	162 eP	18	57.00	4.4X			E	13s	3.20um		NWAO	47.87	184	eP	24	09.00 0.9
SSE	15.92	3 Pc	19	15.00	1.3				S	25 42.00			1.0s	50.00nm		5.6mb	
	1.5s	370.00nm			5.3mb		SNY	26.76	5 iPc	21 09.90 0.2			Z	20s	1.10um	4.8Msz	
	Z	16s	18.10um		5.3Msz												

BRS	52.68	143	iPd	24	44.00	-1.0	OUR	85.12	310	ePd	28	04.72	-0.9	MMK	94.03	320	ePc	28	48.90	0.8
	1.0s	10.00nm			4.7mb		SPC	85.16	320	eP	28	06.40	0.4	HAU	94.12	322	eP	28	47.80	-0.4
ADE	52.77	161	eP	24	44.80	-0.8			e	53	31.40			Z	19s	2.03um			5.6Msz	
	0.9s	119.33nm			5.8mb		SRS	85.19	311	ePc	28	04.96	-1.1	VITF	94.24	322	P	28	49.26	0.6
BWA	56.04	152	eP	25	10.10	0.6	KKB	85.35	312	iPc	28	06.00	-0.9	DIX	94.36	320	ePc	28	52.50	2.9X
BFD	56.06	159	iPc	25	08.00	-1.5	SOH	85.44	311	ePc	28	06.24	-1.2	CKI	94.55	318	P	28	52.00	1.8
CAN	57.05	152	eP	25	16.70	0.0	PAIG	85.45	310	ePc	28	06.24	-1.1	EMS	94.66	320	ePc	28	53.40	2.5X
CNB	57.21	152	iPc	25	18.10	0.2	TIM	85.55	316	eP	28	10.00	2.3	PGF	94.89	316	eP	28	51.80	-0.1
TOO	57.49	156	eP	25	20.00	0.2	KNT	85.68	311	iPd	28	07.48	-1.1		1.3s	43.30nm			5.7mb	
MAIO	57.81	304	iPd	25	22.20	-0.1	PSZ	85.77	318	iP	28	08.90	0.0	LPG	95.03	320	eP	28	52.90	0.1
	1.3s	106.21nm			5.7mb		THE	85.78	311	ePc	28	09.08	0.1		1.1s	36.65nm			5.7mb	
DZM	58.36	128	iPc	25	26.90	0.7	VAY	85.87	312	iP	28	08.40	-1.1	LPL	95.04	320	eP	28	52.90	0.2
TAU	62.83	158	eP	25	57.00	0.9		1.2s	270.00nm			6.3mb		1.0s	42.00nm			5.8mb		
IR4	64.76	302	iPd	26	10.50	1.1			i	28	11.30		EKA	95.28	331	P	28	55.00	1.7	
IR1	64.93	302	iPd	26	09.00	-1.5	GRG	86.10	311	ePc	28	09.52	-1.1		2.1s	62.80nm			5.7mb	
IR7	64.99	303	iPd	26	11.00	0.2	NAO	86.11	332	P	28	09.00	-1.3	LOR	95.95	322	eP	28	56.30	-0.3
IR5	65.03	302	eP	26	11.00	-0.1		1.0s	71.00nm			5.8mb		1.1s	15.85nm			5.4mb		
DHR	65.94	292	P	26	11.00	-5.8X	LIT	86.28	310	ePc	28	10.36	-1.2	Z	21s	2.40um			5.6Msz	
TAB	68.35	305	eP	26	33.00	0.9	BUD	86.46	318	eP	28	23.00	10.8X	LBF	96.02	322	eP	28	56.60	-0.4
RYD	69.29	291	P	26	37.00	-1.0	SKO	86.50	312	eP	28	11.50	-1.0		1.1s	23.20nm			5.6mb	
BRW	73.51	19	eP	27	02.90	0.5		1.3s	163.00nm			6.1mb	SMF	96.27	322	eP	28	57.70	-0.4	
TTA	73.77	28	eP	27	06.40	2.3			i	28	12.50			1.2s	14.90nm			5.4mb		
SVW	74.01	30	eP	27	08.20	2.7X			i	28	15.10		AVF	96.49	322	eP	28	58.60	-0.4	
OBN	74.19	324	iPc	27	05.40	-1.2	AGG	86.70	309	ePd	28	11.44	-2.2		1.1s	11.00nm			5.3mb	
	1.4s	270.00nm			6.1mb		SRO	86.81	319	iP	28	13.50	-0.4	PNT	96.91	35	eP	29	04.00	3.1X
Z	18s	3.10um			5.6Msz		FNA	86.89	311	ePc	28	12.80	-1.8	MAF	97.24	322				

I VA	1.26	7	iSg	31	10.70		GKN	35.41	297	P	39	21.40	2.6	WB2	37.45	159	eP	55	29.30	0.1
			iPgc	30	51.60	-0.1		0.8s	31.00nm				5.2mb		0.6s	15.70nm			5.0mb	
NKY	1.31	337	ePg	30	52.50	0.1	WB2	37.56	158	eP	39	27.80	-8.9X	HYB	40.50	279	eP	55	55.00	0.3
			eSg	31	12.30			0.7s	12.30nm				4.8mb	GBA	41.94	273	Pc	56	06.60	0.1
TPE	1.34	170	iPnd	30	53.00	0.2	WMO	39.79	322	P	39	56.60	1.3		0.8s	10.90nm			4.6mb	
SKO	1.35	74	iPn	30	52.50	-0.5	HYB	40.11	279	eP	39	58.00	-0.2	NAO	86.17	333	P	00	55.90	-0.3
	0.6s	772.00nm					ASPA	40.85	161	eP	39	57.50	-6.7X		0.9s	4.30nm			4.6mb	
			i	30	53.60			0.9s	7.70nm				4.4mb	S.D. = 0.4 on 5 of 6 obs.						
			i	31	10.00		GBA	41.53	273	Pd	40	09.10	-0.7							
FNA	1.51	123	Lg	31	13.80			1.0s	22.50nm				4.9mb							
			iPd	30	55.50	0.1	QUE	51.02	297	eP	41	23.90	-1.2							
BRY	1.54	327	ePg	30	57.00	1.1	MAIO	57.74	303	eP	42	14.00	-0.1							
			eSg	31	20.50		QBN	74.10	324	eP	43	58.00	-0.4							
PLE	1.73	353	ePn	31	00.20	1.7	FBA	77.15	26	P	44	14.00	-1.6							
			eSn	31	24.80		VRI	81.72	315	ePc	44	41.50	0.9							
LCI	1.84	226	P	30	58.00	-2.0	INK	81.82	21	eP	44	38.50	-2.1							
BRT	2.02	249	P	31	03.00	0.3	MBC	82.15	12	eP	44	40.50	-1.7							
IGT	2.14	167	iPc	31	04.78	0.4		0.9s	8.00nm				4.8mb							
			eS	31	33.58		HFS	84.99	331	eP	44	55.70	-1.2							
GRG	2.14	107	ePd	31	04.58	0.1		0.4s	1.10nm				4.4mb							
			eS	31	32.50		NAO	86.02	332	P	45	00.10	-2.0							
VAY	2.18	97	ePn	31	05.30	0.4		1.0s	11.70nm				5.0mb							
KNT	2.45	100	iPc	31	09.14	0.3	KSP	86.95	322	eP	45	06.80	-0.1							
			eS	31	41.06		S.D. = 1.4 on 33 of 37 obs.													
LIT	2.60	125	ePd	31	11.78	0.8														
			eS	31	47.22		?	JUN 15, 1991	11h 34m	31.99±	1.11s									
THE	2.66	111	ePc	31	12.46	0.7		15.110 N ±21.6km	120.733 E ±23.1km											
SOH	2.87	105	ePc	31	14.98	0.1	DEPTH = 10.0km (geophysicist)													
SRS	2.97	98	ePc	31	17.14	0.9	4.5mb (3 obs.)													
CSI	3.18	236	P	31	19.80	0.6	LUZON, PHILIPPINE ISLANDS (249)													
AGG	3.28	141	ePd	31	20.74	0.1	NNT	20.54	266	eP	39	13.40	0.0							
			iS	32	02.38			e	49	40.50										
PGB	3.45	73	iPc	31	25.00	1.9		e	09	41.80										
PAIG	3.46	118	ePc	31	23.30	0.1	ASPA	40.63	161	eP	42	14.00	0.0							
			eS	32	05.06			0.9s	8.40nm				4.4mb							
MGR	3.47	246	P	31	23.70	0.4	HFS	85.26	331	eP	47	10.60	0.6							
SGO	3.48	254	P	31	24.00	0.6		0.6s	2.00nm				4.5mb							
OUR	3.49	110	ePc	31	23.30	-0.2	NAO	86.29	333	P	47	14.50	-0.6							
CZI	3.62	230	P	31	25.10	-0.4		0.8s	4.70nm				4.7mb							
RZN	3.76	87	iP	31	28.00	0.3	S.D. = 0.9 on 4 of 4 obs.													
SDI	4.41	273	P	31	36.80	0.1														
MNS	5.29	281	P	31	47.00	-2.1	% JUN 15, 1991	11h 37m	36.80±	2.45s										
ASS	5.41	288	P	31	50.60	-0.4		39.073 N ±19.4km	23.307 E ±13.4km											
S.D. = 0.9 on 39 of 39 obs.						DEPTH = 10.0km (geophysicist)														
						AEGEAN SEA (365)														
* JUN 15, 1991 11h 32m 20.33±0.65s						AGG	0.76	266	iPc	37	51.82	0.1								
15.214 N ±8.2km 120.336 E ±11.0km							eS	38	04.46											
DEPTH = 10.0km (geophysicist)						PAIG	0.90	19	iPc	37	54.30	0.3								
5.0mb (18 obs.)							eS	38	07.06											
LUZON, PHILIPPINE ISLANDS (249)						LIT	1.20	329	ePc	37	59.33	0.1								
SZP	2.33	3	P	33	01.60	2.3		eS	38	16.82										
PPR	5.63	196	P	33	45.80	-0.3	OUR	1.36	22	ePc	38	01.54	-0.2							
MAP	6.02	143	P	33	54.50	2.9	SOH	1.75	1	ePc	38	07.38	0.0							
WHN	16.22	341	eP	36	16.00	6.1X	FNA	2.26	320	ePd	38	14.62	-0.3							
	1.5s	300.00nm				5.2mb	S.D. = 0.3 on 6 of 6 obs.													
NJ2	16.82	356	Pd	36	20.00	2.6														
NNT	20.17	265	eP	36	59.00	1.2	?	JUN 15, 1991	11h 44m	58.91±	1.00s									
CHG	20.76	283	eP	37	05.00	0.9		14.650 N ±17.0km	121.038 E ±29.3km											
	1.1s	19.62nm				4.4mb	DEPTH = 10.0km (geophysicist)													
XAN	21.39	333	P	37	11.00	0.6	4.7mb (3 obs.)													
IPM	21.74	243	ePc	37	21.70	7.7X	LUZON, PHILIPPINE ISLANDS (249)													
			e	39	34.60		SZP	2.94	349	P	45	46.20	-0.3							
CD2	21.79	319	iPd	37	15.80	1.4	PKI	35.50	297	P	52	00.00	1.6							
	1.2s	200.00nm				5.4mb	WB2	36.79	159	eP	52	00.70	-0.1							
TIY	23.48	344	eP	37	31.60	0.5		0.7s	3.80nm				4.3mb							
BJI	25.00	352	eP	37	45.00	-0.7		e	54	00.50										
	1.5s	59.00nm				5.1mb	INK	82.10	21	eP	57	22.00	1.4							
LZH	25.48	328	eP	37	52.00	1.5	MBC	82.55	12	eP	57	23.50	0.6							
	1.5s	170.00nm				5.5mb		1.5s	16.00nm				4.9mb							
HHC	26.66	345	eP	38	01.20	-0.1	VRI	82.59	315	eP	57	22.50	-1.2							
	1.3s	30.00nm				4.8mb	NAO	86.83	333	P	57	42.80	-1.9							
SNY	26.67	5	Pc	37	59.70	-1.5		0.8s	4.40nm				4.7mb							
BTO	26.84	342	eP	38	02.00	-1.0	S.D. = 1.6 on 7 of 7 obs.													
GTA	30.08	327	P	38	32.20	-0.1														
	1.2s	20.00nm				4.8mb	?	JUN 15, 1991	11h 48m	13.65±	1.20s									
GUN	34.32	297	P	39	09.00	-0.7		15.262 N ±19.0km	120.757 E ±19.4km											
	0.8s	56.00nm				5.5mb	DEPTH = 10.0km (geophysicist)													
PKI	34.64	297	P	39	11.20	-1.3	4.7mb (4 obs.)													
	0.7s	32.00nm				5.3mb	LUZON, PHILIPPINE ISLANDS (249)													
KKN	34.81	297	P	39	12.60	-1.2	KGM	21.66	234	ePc	53	06.20	-0.3							
	0.8s	30.00nm				5.2mb	IPM	22.12	243	ePc	53	16.50	5.4X							
DMN	34.91	297	P	39	14.20	-0.5		0.6s	17.90nm				4.7mb							
	0.7s	19.00nm				5.1mb														
						? JUN 15, 1991 12h 23m 44.38±0.80s														
						15.196 N ±10.6km 120.767 E ±25.7km														
						DEPTH = 10.0km (geophysicist)														
						4.5mb (2 obs.)														
						LUZON, PHILIPPINE ISLANDS (249)														
						PPR	5.74	200	P	25	12.50	0.7								
						ASPA	40.70	161	eP	31	26.20	-0.8								

15d 12h

1.0s 9.50nm 4.5mb
YAK 47.19 6 eP 32 19.80 1.0
MAIO 58.10 303 eP 33 40.00 -0.7
MBC 82.08 12 eP 36 06.00 0.1
NAO 86.23 333 P 36 26.80 -0.4
0.8s 3.30nm 4.6mb
S.D. = 1.0 on 6 of 6 obs.

JUN 15, 1991 12h 25m 30.74±0.37s
15.046 N ± 6.3km 120.573 E ± 6.0km
DEPTH = 10.0km (geophysicist)
5.0mb (18 obs.)

LUZON, PHILIPPINE ISLANDS (249)

SZP 2.49 357 P 26 16.00 4.0X
PPR 5.54 199 P 27 00.10 4.8X
WHN 16.45 341 ePd 29 28.20 5.0X
1.5s 100.00nm 4.7mb
NJ2 17.00 355 Pc 29 34.00 3.8X
KMI 19.50 304 Pd 30 05.00 3.6X
NNT 20.38 266 eP 30 10.70 0.2
e 34 36.00
e 40 19.80

8DT 20.83 279 eP 30 14.80 -0.4
CHG 21.03 283 eP 30 18.00 0.8
1.0s 10.25nm 4.2mb

SNG 21.07 250 eP 30 18.20 0.6
TIA 21.30 352 eP 30 20.30 0.4
KGM 21.39 234 ePc 30 22.50 1.6
XAN 21.64 333 P 30 23.50 0.1
IPM 21.87 244 ePc 30 32.50 6.8X
1.0s 47.80nm 4.9mb

CD2 22.07 319 eP 30 28.80 1.2
1.1s 100.00nm 5.2mb

TIY 23.70 344 Pc 30 45.00 1.4
1.2s 50.00nm 5.0mb
E 15s 0.87um

PSI 24.62 242 ePc 30 51.50 -1.2
BJI 25.20 352 eP 30 58.00 0.1
1.5s 59.00nm 5.1mb

LZH 25.74 328 eP 31 04.80 1.5
1.2s 49.00nm 5.1mb
Z 16s 0.73um 4.3mszx

MAT 26.56 33 eP 31 10.00 -0.8
1.3s 13.46nm 4.5mb

SNY 26.81 5 eP 31 12.20 -0.7
HHC 26.88 345 eP 31 14.00 0.3
N 13s 0.40um

BTO 27.07 342 eP 31 13.00 -2.5
GTA 30.34 327 P 31 45.20 0.2
1.4s 30.00nm 5.0mb

GUN 34.60 297 P 32 22.30 -0.3
PKI 34.92 297 P 32 24.44 -0.9
KKN 35.09 297 P 32 25.72 -0.8
DMN 35.19 297 P 32 26.96 -0.6
GKN 35.69 297 P 32 30.70 -0.9
PMG 35.84 131 eP 32 34.00 1.3
1.3s 76.92nm 5.4mb

IRK 39.33 344 eP 33 03.00 1.3
WMO 40.07 322 P 33 08.50 0.5
1.5s 10.00nm 4.3mb

HYB 40.36 279 ePc 33 11.50 0.9
ASPA 40.62 161 eP 33 11.90 -0.8
1.0s 7.90nm 4.4mb

GBA 41.77 274 Pc 33 23.00 0.8
1.1s 33.40nm 5.0mb

YAK 47.36 6 iPc 34 06.20 -0.3
e 41 00.00

QUE 51.30 297 eP 34 37.90 0.3
MAIO 58.03 304 eP 35 27.00 0.5
OBN 74.37 324 eP 37 09.00 -1.4
IMA 74.65 25 eP 37 13.20 1.2
PMR 77.05 29 eP 37 25.90 0.5
FBA 77.20 26 eP 37 26.50 0.3
HRI 77.66 301 iPc 37 30.40 0.8
DSI 78.26 300 iPc 37 33.50 0.7
TOA 78.35 29 eP 37 34.60 1.9
RMN 79.09 299 iPc 37 38.00 0.5
INK 81.89 21 eP 37 51.50 0.1
pP 38 11.00 71kmX
1.0s 24.00nm 5.3mb

MLR 82.62 315 eP 37 55.00 -0.8
e 59 22.00

RZN 84.43 312 iPc 38 05.00 -0.2
HFS 85.24 331 eP 38 05.80 -2.8X

1.4s 59.40nm 5.6mb
VTS 85.27 313 iP 38 09.00 -0.4
KRA 85.28 321 eP 38 07.90 -1.1
e 38 14.20
SPC 85.35 320 eP 38 09.90 0.2
KKB 85.56 312 iPd 38 10.00 -0.6
VAY 86.08 312 eP 38 12.30 -0.9
NAO 86.27 332 P 38 12.40 -1.4
1.3s 34.40nm 5.4mb

SRO 87.00 319 eP 38 17.00 -0.6
KSP 87.23 322 ePc 38 19.40 0.8
ZST 87.64 319 eP 38 19.00 -1.7
e 53 16.50

PRU 88.58 322 Pc 38 25.50 0.4
2.0s 31.30nm 5.3mb

BRG 88.60 323 iPc 38 25.20 0.0
CLL 88.98 323 eP 38 26.00 -1.0
KHC 89.48 321 P 38 30.00 0.5
MOX 90.05 323 eP 38 32.00 -0.1
YKA 91.59 22 eP 38 39.40 0.5
0.9s 4.90nm 4.9mb

UPA 148.90 41 (PKP) 45 22.00 4.8X
ZOBO 171.53 99 PKP 45 40.00 -1.9
S.D. = 0.9 on 59 of 67 obs.

* JUN 15, 1991 12h 51m 30.87±0.67s
15.174 N ± 10.0km 120.294 E ± 11.5km
DEPTH = 10.0km (geophysicist)
4.7mb (11 obs.)

LUZON, PHILIPPINE ISLANDS (249)

OVP 0.88 128 P 51 50.00 2.3
PPR 5.58 196 P 52 56.20 0.3
WHN 16.24 341 ePc 55 27.00 6.3X
1.0s 30.00nm 4.4mb

NJ2 16.85 356 eP 55 31.50 3.0
CHG 20.73 283 eP 56 15.90 1.6
1.1s 17.09nm 4.3mb

XAN 21.41 333 P 56 22.00 0.9
CD2 21.79 319 eP 56 25.60 0.6
1.0s 100.00nm 5.2mb

TIY 23.51 344 eP 56 43.00 1.1
BJI 25.03 353 eP 56 57.00 0.5
1.5s 23.00nm 4.6mb

LZH 25.49 328 eP 57 02.50 1.4
1.4s 38.00nm 4.9mb

HHC 26.69 345 eP 57 12.90 0.8
GUN 34.30 297 P 58 20.08 0.0
PKI 34.63 297 P 58 22.18 -0.7
KKN 34.79 297 P 58 23.70 -0.4
DMN 34.90 297 P 58 23.90 -1.2
GKN 35.39 297 P 58 28.50 -0.7
WB2 37.54 158 eP 58 43.30 -3.8X
0.6s 23.90nm 5.1mb

WMO 39.80 322 eP 59 06.00 0.1
HYB 40.07 279 eP 59 09.00 0.6
ASPA 40.83 161 eP 59 07.90 -6.6X
0.9s 6.40nm 4.3mb

GBA 41.50 273 Pd 59 20.50 0.4
0.9s 17.90nm 4.8mb

MAIO 57.73 303 eP 01 25.00 0.4
FBA 77.20 26 (P) 03 24.00 -2.4
INK 81.87 21 eP 03 49.00 -2.4
MBC 82.20 12 ePc 03 51.00 -2.0
1.0s 12.00nm 5.0mb

HFS 85.00 331 eP 04 06.10 -1.5
0.6s 1.40nm 4.4mb

NAO 86.04 332 P 04 10.20 -2.5
0.8s 6.30nm 4.8mb

S.D. = 1.5 on 24 of 27 obs.

% JUN 15, 1991 12h 53m 35.87±0.75s
44.343 N ± 6.5km 10.723 E ± 8.1km
DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

MME 0.15 186 P 53 38.50 -1.0
eSg 53 43.50

BDI 0.30 198 P 53 41.80 -0.3
eSg 53 48.00

SFI 0.92 117 P 53 54.10 0.7
eSg 54 10.00

BOB 1.01 295 P 53 55.70 0.7
eSg 54 12.20

CRE 1.14 128 P 53 58.00 0.7
eSg 54 14.00

MDI 1.60 334 P 54 05.00 0.7

CTI 1.83 21 P 54 06.00 -1.6
S.D. = 1.2 on 7 of 7 obs.

% JUN 15, 1991 12h 55m 41.49±2.31s
41.203 N ± 23.0km 28.981 E ± 7.4km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 3.0 (ISK).

ISK 0.15 157 ePg 55 44.30 -0.6
CTT 0.42 263 ePg 55 49.40 -0.7
EYL 1.10 125 iPn 56 02.40 0.3
BNT 1.17 224 iPn 56 03.40 0.1
EDC 1.20 225 ePn 56 03.90 0.0
KGT 1.48 240 iPn 56 08.90 0.8
S.D. = 0.7 on 6 of 6 obs.

? JUN 15, 1991 13h 13m 30.14±1.17s
14.810 N ± 11.4km 119.732 E ± 43.3km
DEPTH = 10.0km (geophysicist)
4.6mb (4 obs.)

LUZON, PHILIPPINE ISLANDS (249)

SZP 2.81 14 P 14 16.00 0.0
BJI 25.33 354 eP 19 03.00 4.4X
1.5s 23.00nm 4.6mb

WB2 37.41 157 iPc 20 44.60 -0.7
0.7s 22.60nm 5.0mb
e 23 09.70

ASPA 40.67 160 eP 21 13.20 0.7
0.7s 8.10nm 4.5mb

NAO 86.11 332 P 26 12.30 -0.1
1.0s 3.80nm 4.5mb
S.D. = 1.0 on 4 of 5 obs.

? JUN 15, 1991 13h 14m 36.59±1.62s
39.094 N ± 14.3km 27.621 E ± 50.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.6 (ISK).

IZM 0.75 202 ePg 14 51.30 0.0
eSg 15 02.80

EDC 1.26 8 ePn 15 00.00 -0.1
BNT 1.28 10 ePn 15 00.40 0.1
KGT 1.38 350 ePn 15 01.80 0.0
S.D. = 0.1 on 4 of 4 obs.

? JUN 15, 1991 13h 20m 26.43±1.16s
14.708 N ± 24.2km 120.976 E ± 51.7km
DEPTH = 10.0km (geophysicist)
4.5mb (5 obs.)

LUZON, PHILIPPINE ISLANDS (249)

SZP 2.87 350 P 21 13.60 0.5
MAP 5.25 146 P 21 47.00 0.1
BJI 25.58 351 eP 25 56.50 -0.8
1.2s 12.00nm 4.5mb

WB2 36.86 159 iPc 27 44.70 7.7X
0.4s 9.90nm 4.9mb

ASPA 40.18 161 eP 28 12.40 7.7X
0.5s 7.20nm 4.6mb

HFS 85.72 331 eP 33 07.50 0.8
0.4s 0.60nm 4.1mb

NAO 86.75 333 P 33 11.20 -0.6
0.8s 2.00nm 4.4mb
S.D. = 1.0 on 5 of 7 obs.

? JUN 15, 1991 13h 26m 13.32±1.37s
14.917 N ± 38.0km 119.813 E ± 51.4km
DEPTH = 10.0km (geophysicist)
4.5mb (3 obs.)

LUZON, PHILIPPINE ISLANDS (249)

GUN 34.01 298 P 33 00.00 -0.1
WB2 37.48 157 eP 33 28.40 -0.6
0.4s 6.40nm 4.7mb

ASPA 40.75 160 iPc 33 56.90 0.6
0.7s 6.50nm 4.5mb

NAO 86.05 332 P 38 55.30 0.0
0.7s 1.50nm 4.3mb
S.D. = 0.9 on 4 of 4 obs.

? JUN 15, 1991 13h 39m 20.11±1.15s
15.119 N ± 15.0km 120.573 E ± 27.9km
DEPTH = 10.0km (geophysicist)

4.6mb (5 obs.)
LUZON, PHILIPPINE ISLANDS (249)

SZP	2.42	357 P	40	01.50	1.1
BJI	25.12	352 eP	44	42.00	-4.6X
WB2	37.38	158 eP	46	30.40	-4.7X
	0.5s	5.10nm			4.5mb
ASPA	40.69	161 eP	47	03.30	0.7
	1.0s	4.30nm			4.1mb
GBA	41.77	274 Pc	47	12.20	0.7
	1.0s	11.00nm			4.5mb
MAIO	57.99	304 eP	49	16.00	0.4
HFS	85.18	331 eP	51	56.70	-1.0
	1.3s	17.80nm			5.1mb
NAO	86.21	332 P	52	00.90	-1.9
	1.2s	8.40nm			4.8mb

S.D. = 1.5 on 6 of 8 obs.

? JUN 15, 1991 13h 42m 15.58± 2.24s
15.114 N ±31.3km 120.351 E ±23.5km
DEPTH = 10.0km (geophysicist)

4.6mb (3 obs.)
LUZON, PHILIPPINE ISLANDS (249)

WHN	16.32	341 ePc	46	13.50	7.1X
XAN	21.49	333 P	47	07.50	0.9
CD2	21.87	319 eP	47	11.60	1.1
TIY	23.58	344 eP	47	30.00	2.7X
BJI	25.10	352 eP	47	41.00	-0.9
	1.5s	23.00nm			4.6mb
GUN	34.38	297 P	49	06.38	0.9
PKI	34.70	297 P	49	08.28	0.0
KKN	34.86	297 P	49	09.90	0.4
DMN	34.97	297 P	49	08.32	-2.2
GKN	35.47	297 P	49	12.46	-2.1
GBA	41.55	274 Pc	50	06.40	1.1
	0.9s	9.60nm			4.5mb
MAIO	57.81	304 eP	52	11.00	1.2
FBA	77.23	26 (P)	54	11.80	0.5
NAO	86.12	332 P	54	56.90	-0.9
	1.0s	4.40nm			4.6mb

S.D. = 1.4 on 12 of 14 obs.

JUN 15, 1991 13h 48m 43.18± 0.50s
15.075 N ± 7.1km 120.607 E ± 7.6km
DEPTH = 10.0km (geophysicist)

4.9mb (12 obs.)
LUZON, PHILIPPINE ISLANDS (249)

SZP	2.47	357 P	49	26.00	2.0
PPR	5.58	199 P	50	10.50	2.3
MAP	5.76	145 P	50	20.80	10.1X
QZH	10.00	349 eP	51	13.00	3.1X
QIZ	11.02	292 eP	51	24.00	0.0
	N 14s	0.60um			
	E 13s	0.60um			
WHN	16.43	341 eP	52	40.00	4.6X
	1.2s	70.00nm			4.7mb
NJ2	16.97	355 Pc	52	45.80	3.5X
	Z 14s	0.40um			
NNT	20.42	266 eP	53	24.20	0.9
CHG	21.05	283 eP	53	31.20	1.3
	1.0s	11.50nm			4.2mb
TIA	21.28	352 eP	53	33.00	1.0
XAN	21.63	333 P	53	36.20	0.5
IPM	21.91	244 ePd	53	45.50	6.9X
TIY	23.68	344 eP	53	57.00	1.1
	Z 16s	0.71um			4.2mszX
BJI	25.17	352 eP	54	10.00	-0.1
	1.5s	53.00nm			5.0mb
LZH	25.74	327 eP	54	17.00	1.3
	1.0s	26.00nm			4.9mb
	Z 17s	0.78um			4.3mszX
	N 12s	0.68um			
MAT	26.52	33 (P)	54	22.00	-0.8
	1.5s	25.00nm			4.7mb
SNY	26.78	5 Pc	54	25.00	-0.1
HHC	26.86	345 eP	54	25.40	-0.6
BTO	27.05	342 eP	54	28.00	0.3
GTA	30.34	327 P	54	57.50	0.1
	1.0s	10.00nm			4.6mb
GUN	34.62	297 P	55	34.56	-0.6
PKI	34.94	297 P	55	36.40	-1.5
KKN	35.10	297 P	55	38.18	-1.0
	0.8s	19.00nm			5.0mb
DMN	35.21	297 P	55	38.84	-1.3
GKN	35.71	297 P	55	42.52	-1.7

WB2	37.33	158 eP	55	57.00	-0.7
	0.6s	37.70nm			5.3mb
IRK	39.32	344 eP	56	13.00	-1.0
WMO	40.06	322 eP	56	22.50	2.1
HYB	40.39	279 eP	56	23.50	0.2
GBA	41.80	274 Pc	56	34.30	-0.6
	0.8s	15.70nm			4.8mb
YAK	47.33	6 iPc	57	18.60	-0.1
QUE	51.32	297 eP	57	49.70	-0.5
MAIO	58.04	304 eP	58	39.00	0.0
TTA	73.69	28 eP	00	17.00	-1.9
IMA	74.61	25 eP	00	25.00	0.8
PMR	77.00	29 eP	00	37.30	-0.3
FBA	77.16	26 eP	00	38.90	0.4
TOA	78.31	29 eP	00	46.50	1.6
INK	81.85	21 ePc	01	04.00	0.4
MBC	82.23	12 eP	01	05.50	0.0
	0.8s	16.00nm			5.2mb
HFS	85.23	331 eP	01	19.70	-1.3
	1.1s	13.70nm			5.1mb
KRA	85.28	321 eP	01	21.30	-0.2
NAO	86.26	332 P	01	24.80	-1.4
	0.8s	13.50nm			5.2mb
KSP	87.22	322 ePc	01	31.60	0.6
CLL	88.98	323 eP	01	38.00	-1.4

S.D. = 1.1 on 40 of 45 obs.

? JUN 15, 1991 14h 18m 13.62± 0.75s
15.162 N ±17.9km 120.415 E ±37.4km
DEPTH = 10.0km (geophysicist)

4.3mb (3 obs.)
LUZON, PHILIPPINE ISLANDS (249)

BJI	25.06	352 eP	23	39.50	0.0
WB2	37.48	158 eP	25	29.20	-0.2
	0.7s	11.70nm			4.8mb
ASPA	40.78	161 eP	25	57.00	0.2
	1.9s	7.80nm			4.1mb
MAIO	57.84	303 eP	28	08.00	0.0
NAO	86.10	332 P	30	55.90	0.1
	0.8s	1.70nm			4.3mb

S.D. = 0.2 on 5 of 5 obs.

* JUN 15, 1991 14h 23m 25.16± 1.06s
14.974 N ±11.5km 120.545 E ±18.2km
DEPTH = 10.0km (geophysicist)

4.7mb (8 obs.)
LUZON, PHILIPPINE ISLANDS (249)

SZP	2.56	358 P	24	10.50	3.1
NNT	20.35	266 eP	28	05.00	0.4
CHG	21.02	283 eP	28	17.00	5.5X
	1.0s	11.50nm			4.2mb
		e	29	57.80	
XAN	21.70	333 P	28	18.50	0.2
CD2	22.10	319 eP	28	23.00	0.6
	1.2s	100.00nm			5.1mb
TIY	23.76	344 eP	28	36.90	-1.8
BJI	25.26	352 eP	28	52.50	-0.5
	1.5s	29.00nm			4.7mb
LZH	25.79	328 eP	28	59.00	0.8
	1.6s	41.00nm			4.9mb
HHC	26.94	345 eP	29	07.00	-1.7
GTA	30.39	327 eP	29	39.00	-0.8
	1.6s	10.00nm			4.4mb
WB2	37.26	158 eP	30	39.90	0.8
	0.7s	14.20nm			4.8mb
WMO	40.11	322 eP	31	02.60	-0.1
HYB	40.34	279 ePc	31	05.50	0.6
GBA	41.75	274 Pd	31	16.50	0.1
	1.0s	18.00nm			4.8mb
MAIO	58.05	304 eP	33	21.00	0.0
VRI	82.03	315 eP	35	47.50	0.5
NAO	86.33	332 P	36	06.40	-2.1
	0.9s	3.50nm			4.5mb

S.D. = 1.3 on 16 of 17 obs.

JUN 15, 1991 16h 32m 27.29± 1.01s
38.927 N ± 5.2km 105.599 E ± 4.4km
DEPTH = 27.8 ± 8.2 km

5.1mb (11 obs.)
NORTHERN CHINA (323)
ML 4.7 (BJI).

LZH	3.16	207 iPd	33	19.00	2.5
	Z 10s	7.99um			
		Pg	33	25.00	

					Sn	33	55.00	
					Sg	34	06.00	
BTO	3.79	62	ePn	33	24.00	-1.4		
			Pg	33	34.00			
GTA	4.52	278	iPnc	33	37.00	1.2		
			Pg	33	42.20			
			Sn	34	28.00			
			Sg	34	46.00			
HHC	4.97	65	Pn	33	41.00	-1.2		
			Pg	33	57.00			
			Sg	35	03.00			
TIY	5.51	101	Pnc	33	46.40	-3.3X		
			Pg	34	04.40			
XAN	5.56	150	Pn	33	49.10	-1.3		
	N	10s	4.20um					
	E	12s	5.40um					
			Pg	34	08.00			
			Sg	35	17.00			
CD2	8.14	191	iPc	34	25.80	-0.8		
	Z	15s	2.00um					
BJI	8.26	79	eP	34	30.00	1.9		
	Z	11s	2.16um					
TIA	9.54	103	P	34	46.00	0.1		
WHN	11.03	137	ePc	35	08.50	2.3		
		0.7s	60.00nm			5.9mb		
	Z	12s	1.80um			3.9msz		
	N	10s	2.60um					
	E	10s	3.10um					
			sP	35	22.50			
			S	37	11.00			
GYA	12.47	176	P	35	24.00	-1.8		
	1.0s	100.00nm				5.9mb		
			S	37	41.00			
DL2	12.49	85	eP	35	31.00	5.0X		
NJ2	12.79	118	Pc	35	33.50	3.6X		
	Z	12s	0.90um			4.2mszX		
IRK	13.38	357	eP	35	37.00	-0.7		
			e	35	48.00			
			e	35	53.80			
			eS	38	07.00			
KMI	13.97	191	eP	35	43.00	-2.9X		
	1.0s	50.00nm				5.2mb		
SNY	14.01	72	Pd	35	51.10	5.1X		
	Z	14s	1.30um					
WMO	14.30	296	P	35	48.50	-1.4		
SSE	14.96	117	eP	36	00.00	1.5		
	Z	12s	1.40um					
	N	15s	1.70um					
	E	15s	1.70um					
LSA	15.06	237	P	35	59.00	-1.3		
CN2	15.67	66	eP	36	12.00	4.3X		
	Z	14s	4.00um					
			epP	36	16.00			
			eS	39	02.00			
SHL	17.64	225	eP	36	30.00	-2.8X		
QZH	17.75	138	eP	36	39.00	5.0X		
	N	12s	1.00um					
MDJ	18.75	65	eP	36	52.00	5.8X		
GUN	19.75	242	P	36	57.96	-0.3		
QIZ	20.17	168	P	37	02.70	0.4		
	E	13s	2.30um					
			eS	40	39.50			
KKN	20.24	243	P	37	03.02	-0.2		
PKI	20.28	242	P	37	03.52	-0.4		
DMN	20.47	243	P	37	05.46	-0.3		
GKN	20.56	244	P	37	06.00	-0.5		
CHG	20.86	198	eP	37	09.90	0.4		
	0.9s	67.86nm				5.1mb		
BDT	22.36	197	eP	37	24.00	-0.5		
NDI	25.61	255	iPc	37	56.30	0.4		
	0.6s	20.00nm				4.9mb		
MAT	25.83	85	eP	38	02.00	4.1X		
	1.3s	15.38nm				4.5mb		
QUE	32.80	267	eP	39	01.50	0.9		
GBA	35.42	232	Pc	39	22.40	-0.6		
	0.8s	8.30nm				4.7mb		
MAIO	36.32	281	eP	39	33.00	2.4		
OBN	47.72	314	eP	41	03.00	-0.2		
SOD	50.60	331	eP	41	26.00	0.8		
			i	41	32.00			
NUR	52.81	322	eP	41	41.50	-0.4		
			e	41	48.00			
VR I	56.44	305	ePc	42	09.00	0.3		
MLR	57.09	304	eP	42	21.00	7.5X		
SPC	59.09	310	eP	42	27.90	0.4		
ZST	61.40	310	eP	42	48.40	5.4X		
FBA	61.91	28	(P)	42	52.00	5.7X		

15d 16h

BRG	61.97	314	eP	42	53.80	6.9X	IMA	26.21	41	eP	07	28.20	-0.6	HFS	64.47	342	eP	12	27.90	-2.7	
PRU	62.05	313	eP	42	47.50	0.1	TKSJ	26.57	236	P	07	33.30	1.1		0.6s	7.60nm				5.0mb	
CLL	62.29	315	iP	42	48.70	-0.3	KDC	26.85	60	eP	07	32.70	-1.8	Z	18s	0.57um				4.8msz	
	0.9s	10.00nm				4.9mb	SNY	27.03	261	eP	07	38.00	1.7			LR	39	49.00			
		i		43	08.60			Z	16s	3.10um			5.0mszX	ANMO	64.80	65	P	12	33.00	-0.3	
KHC	63.01	313	eP	42	54.00	0.1		N	16s	2.00um				ALO	64.80	65	eP	12	32.20	-1.2	
		e		43	01.00			E	16s	2.00um					0.9s	3.36nm				4.5mb	
WRA	64.46	150	P	43	02.00	-1.5	SHNJ	27.98	240	P	07	47.40	2.4X	IPM	68.21	248	ePc	13	02.50	7.5X	
	0.7s	11.80nm				5.1mb	FBA	28.57	44	P	08	00.20	10.2X	QUE	68.68	292	eP	12	57.00	-0.9	
WB2	64.46	150	iPd	43	02.70	-0.8	KUMJ	29.36	239	P	08	05.60	8.1X	TUL	69.76	57	e(P)	13	02.20	-2.0	
	0.7s	14.70nm				5.2mb	TOA	29.43	50	eP	07	58.40	0.5		0.6s	3.00nm				4.6mb	
ASPA	67.67	152	eP	43	23.10	-0.9	DL2	30.01	258	eP	08	01.50	-1.7	Z	18s	1.82um				5.4msz	
	0.7s	16.30nm				5.3mb	KAGJ	30.40	237	P	08	10.30	3.5X			LR	34	57.00			
STK	77.99	149	iPc	44	24.80	0.3	IRK	33.52	292	eP	08	32.50	-1.4	HYB	71.52	275	eP	13	14.00	-1.2	
	1.6s	2.70nm				4.0mbX			e	08	45.00	47kmX	EKA	71.56	350	Pd	13	15.30	0.5		
CAN	84.07	146	eP	44	57.30	0.8	INK	34.07	37	eP	08	38.00	-0.4		0.9s	7.30nm				4.7mb	
S.D. = 1.1	on	39	of	53	obs.		SSE	35.73	249	P	08	54.00	1.1	KRA	72.39	335	ePd	13	20.80	1.0	
								0.6s	10.00nm				4.9mb		0.6s	25.00nm				5.4mb	
% JUN 15, 1991 16h 32m 31.68± 0.85s							Z	20s	0.90um				4.5msz	KSP	72.57	337	eP	13	20.50	-0.4	
40.406 N ± 7.0km 23.376 E ± 8.3km							NJ2	36.37	252	Pc	08	57.50	-0.8		0.8s	20.00nm				5.2mb	
DEPTH = 10.0km (geophysicist)							Z	16s	0.60um				4.5mszX			i	13	22.30	6kmX		
GREECE (364)							MBC	37.36	23	ePc	09	06.00	-0.2	CLL	72.88	339	iP	13	22.50	-0.2	
								0.9s	61.00nm				5.4mb		0.9s	55.00nm				5.6mb	
THE	0.39	306	ePd	32	39.28	-0.3	XAN	40.89	264	eP	09	34.50	-1.5	BRG	73.08	339	iP	13	23.40	-0.5	
		eS		32	45.72		N	15s	0.60um						0.8s	16.00nm				5.1mb	
SOH	0.42	358	ePc	32	39.73	-0.5	E	14s	1.00um					SPC	73.10	334	eP	13	23.50	-0.8	
		eS		32	45.40				S			15	50.00	WTS	73.43	343	eP	13	26.50	0.7	
OUR	0.47	99	ePc	32	40.64	-0.6	LZH	42.61	270	eP	09	50.00	-0.3		0.8s	16.00nm				5.1mb	
		eS		32	46.53		Z	17s	2.01um				5.1mszX	PRU	73.78	338	eP	13	28.00	0.1	
PAIG	0.53	154	ePc	32	42.76	0.3	N	15s	1.67um					MOX	73.80	340	eP	13	28.00	-0.1	
		eS		32	50.24		GTA	42.93	277	eP	09	53.20	0.4		1.0s	25.00nm				5.2mb	
SRS	0.73	13	ePc	32	46.92	0.9		1.0s	10.00nm				4.5mb	ENN	74.77	344	eP	13	34.50	0.9	
		eS		32	54.44		Z	18s	1.80um				5.0msz		1.0s	30.00nm				5.3mb	
KNT	0.84	335	ePd	32	47.96	0.1	N	15s	1.20um							e	13	51.00	60kmX		
		eS		32	59.96				PcP		11	43.60		MLR	74.78	329	eP	13	35.00	1.0	
S.D. = 0.7	on	6	of	6	obs.		YKA	43.32	42	eP	09	54.60	-0.9	GRF	74.79	340	iPc	13	34.30	0.5	
								0.9s	4.50nm				4.2mb		0.9s	26.00nm				5.2mb	
& JUN 15, 1991 16h 48m 56.37s							CD2	46.19	265	eP	10	18.60	-0.3	Z	18s	0.50um				4.9msz	
54.904 N 163.374 W							WMO	47.38	290	P	10	27.20	-1.0	KHC	74.80	338	P	13	34.50	0.6	
DEPTH = 72.5km							E	13s	1.00um						1.0s	10.70nm				4.8mb	
UNIMAK ISLAND REGION (10)									eS		17	25.00		ZST	74.83	336	eP	13	36.00	2.0	
<PAL>. MD 3.2 (PAL).							GYA	47.66	258	P	10	30.10	-0.6	WET	74.95	339	iPd	13	35.60	0.9	
SDN	1.71	74	eP	49	24.00	-0.6	PNT	47.95	60	eP	10	32.00	-0.6		0.9s	34.00nm				5.4mb	
1 obs. associated							DAG	50.87	360	eP	10	54.00	-0.5	GBA	75.14	273	Pc	13	35.00	-1.3	
								0.7s	21.92nm				5.2mb	CMP	75.27	329	iPd	13	40.00	3.4X	
JUN 15, 1991 17h 01m 55.02± 0.26s							QIZ	51.52	249	P	11	00.50	0.3	KAS	75.68	322	eP	13	40.50	1.4	
52.632 N ± 5.0km 160.535 E ± 4.8km							WDC	51.78	71	eP	11	07.80	5.9X	WB2	75.77	205	iPc	13	39.50	-0.2	
DEPTH = 28.7km (3 depth phases)							FFC	53.15	46	eP	11	11.00	-1.0		0.8s	10.80nm				4.9mb	
5.0mb (55 obs.) 4.8msz (11 obs.)							KEV	53.34	342	iP	11	11.70	-1.5	WRA	75.78	205	P	13	39.00	-0.7	
OFF EAST COAST OF KAMCHATKA (219)								0.9s	35.50nm				5.3mb		0.9s	11.90nm				4.9mb	
SMY	8.25	84	eP	03	49.30	-6.3X	BKS	53.75	73	iPc	11	27.60	11.0X	WLS	76.18	342	P	13	41.92	0.1	
KUSJ	14.25	234	P	05	10.90	-5.8X		0.9s	31.00nm					CDF	76.78	342	P	13	45.23	0.1	
ASAJ	14.60	241	P	05	21.30	0.0			eLR		30	28.00		ECH	76.79	342	P	13	45.15	-0.1	
HOOU	15.48	235	eP	05	27.80	-5.0X	CMB	54.72	72	e(P)	11	15.80	-8.0X	FEL	77.00	342	P	13	46.12	-0.2	
MRRJ	16.59	240	eP	05	42.90	-4.0X			e		11	25.30	31km	VITF	77.16	341	P	13	47.08	-0.3	
AOMJ	18.30	237	eP	06	02.80	-5.5X	LSA	54.72	274	P	11	23.80	-0.7	PTJ	77.22	343	P	13	47.40	-0.1	
OFUJ	18.80	231	eP	06	15.50	1.1	SOD	55.43	340	iP	11	27.20	-1.3	HAU	77.26	335	eP	13	47.40	-0.5	
YAK	18.92	312	iPc	06	13.10	-2.6	TNP	56.51	70	P	11	36.00	-1.0		0.9s	8.20nm				4.8mb	
		iPP		06	25.00		ISA	57.46	73	eP	11	46.00	2.4X	Z	21s	0.30um				4.6msz	
		ePPP		06	42.00		FRB	57.83	23	eP	11	43.00	-2.6	MOF	77.36	342	P	13	47.87	-0.5	
		eS		09	45.00		CLC	57.86	72	eP	11	52.00	5.7X	BSF	77.44	342	eP	13	48.30	-0.6	
		eSS		10	05.00		CHG	58.08	259	ePc	11	47.30	-0.6		0.9s	9.85nm				4.8mb	
		ePcP		10	40.00			0.9s	27.31nm				5.3mb	LJU	77.48	336	e(P)	13	50.00	1.0	
YAMJ	20.30	233	eP	06	28.50	-2.6	SBB	58.52	73	eP	11	53.00	2.0	VOY	77.64	337	e(P)	13	50.00	0.0	
NIIJ	21.54	233	eP	06	44.00	0.3	GSC	58.68	72	eP	11	52.00	-0.1	FLN	77.70	347	eP	13	49.50	-0.6	
KAKJ	21.81	229	eP	06	48.40	1.9	MWC	58.72	73	eP	12	06.00	13.5X		1.0s	30.00nm				5.3mb	
MDJ	21.83	261	eP	06	44.50	-2.2	GUN	59.21	277	P	11	54.84	-1.4	Z	21s	0.28um				4.6msz	
	0.8s	40.00nm				4.9mb	KKN	59.66	277	P	11	57.86	-1.3	KOD	77.74	271	eP	13	51.00	-0.3	
	N	14s	2.00um				PKI	59.74	277	P	11	58.20	-1.6	CEY	77.79	336	e(P)	13	51.00	0.3	
	E	14s	1.30um				GKN	59.90	278	P	11	59.20	-1.5	VBY	77.80	336	eP	13	51.50	0.8	
MAT	22.48	233	iPc	06	53.70	0.6	DMN	59.90	277	P	11	59.44	-1.4	VVI	78.03	338	P	13	52.30	0.3	
	0.8s	104.48nm				5.4mb	TPC	59.97	72	eP	12	11.00	10.0X	GRR	78.12	347	eP	13	52.20	-0.2	
		eS		11	01.00		NUR	61.81	337	iP	12	11.80	-1.2		1.0s	32.00nm				5.3mb	
CHJJ	22.49	231	eP	06	54.50	1.2		0.8s	36.70nm				5.6mb	CTI	78.15	338	P	13	53.50	0.7	
MTMJ	22.64	234	eP	06	56.60	1.8	AKU	62.01	359	iP	12	15.20	0.9	LPF	78.49	347	eP	13	54.30	-0.2	
IIDJ	23.47	232	eP	07	06.00	3.1X		1.0s	24.00nm				5.3mb		0.9s	13.10nm				5.0mb	
TSRJ	24.37	235	eP	07	11.70	0.2	NNT	62.48	254	eP	12	18.30	0.3	LOR	78.50	344	eP	13	54.40	-0.2	
CN2	24.78	263	Pc	07	12.00	-3.4X	OBN	63.05	328	iPd	12	20.00	-1.3		0.8s	8.05nm				4.8mb	
	Z	18s	7.00um			5.2msz		0.9s	*****nm				8.6mbX	Z	21s	0.52um				4.8msz	
	N	14s	1.40um</																		

	0.9s	12.30nm		4.9mb			i	28 46.00		CAF	13.13	42 Pn	30 25.00	-1.3
SMF	79.11	344 eP	13 57.90	0.0			i Sn	28 49.00				Sn	32 33.70	
	1.1s	14.65nm		4.9mb				28 50.00		MFF	13.23	32 Pn	30 26.50	-1.0
SKO	79.36	330 eP	14 00.40	1.1			i	28 51.50		LSF	13.75	37 Pn	30 32.70	-1.6
ASPA	79.45	205 iPc	14 00.20	0.2	SFS	3.46	78 eP	28 15.00	2.5X	LPF	14.02	27 Pn	30 36.90	-1.0
	0.8s	14.80nm		5.1mb	AVE	3.54	135 iPn	28 15.20	1.5	TCF	14.11	38 Pn	30 37.10	-2.0
			14 09.70	30km			i	28 26.50		MAF	14.25	39 Pn	30 39.30	-1.6
RSL	79.53	342 P	14 01.48	1.0			i	28 46.50		GRR	14.39	26 Pn	30 42.00	-0.7
VAY	79.60	329 eP	14 01.00	0.4			i Sn	28 50.00		BGF	14.62	39 Pn	30 44.50	-1.2
HVAR	79.67	334 eP	14 00.80	-0.1			i	28 53.50		CDR	14.68	53 ePd	30 48.50	1.9
LPL	79.68	342 eP	14 02.30	1.0	GIBL	3.73	73 eP	28 18.00	1.6			e	33 18.50	
	0.8s	20.15nm		5.2mb	PLAT	3.78	84 eP	28 18.50	1.3	LDF	14.83	28 Pn	30 47.20	-1.3
LPG	79.69	342 eP	14 02.40	0.9	ALJ	3.97	76 eP	28 21.00	1.0	FLN	14.84	26 Pn	30 47.10	-1.5
	0.9s	28.65nm		5.3mb	NKM	4.09	94 iPnc	28 22.20	0.7	LRG	14.98	54 Pn	30 52.60	2.2
TCF	79.72	345 eP	14 01.40	0.1			i Sn	28 59.50		LMR	15.03	55 Pn	30 53.10	2.0
	1.0s	11.00nm		4.8mb			i	29 00.50		AVF	15.03	39 Pn	30 50.00	-1.1
MAF	79.73	345 eP	14 01.80	0.5			i	29 05.00		SMF	15.19	40 Pn	30 51.20	-2.0
	0.9s	9.85nm		4.8mb			i	29 06.50		FRF	15.21	54 Pn	30 55.20	1.7
BOB	79.84	340 P	14 04.20	2.2X	LIJA	4.17	74 eP	28 19.00	-3.8X	SSF	15.29	39 Pn	30 53.80	-0.7
LSF	79.87	345 eP	14 02.10	0.1	COI	4.64	19 ePn	28 29.00	-0.2	LBF	15.48	40 Pn	30 55.70	-1.3
	0.9s	15.55nm		5.0mb			eSn	29 18.30		LOR	15.61	39 Pn	30 57.60	-1.0
SFI	80.11	338 P	14 05.10	1.8	MAL	4.93	78 iPnd	28 34.00	0.6	BNI	15.91	49 P	31 08.90	6.3X
MME	80.12	338 P	14 05.50	1.8			iSg	29 27.00		VAL	16.10	0 eP	31 10.00	5.2X
BNI	80.13	342 P	14 04.80	1.2	IFR	4.93	116 iPnc	28 33.50	-0.1			e	33 56.00	
PGD	80.19	338 P	14 05.90	1.9			i	28 40.00		LPG	16.18	48 Pn	31 08.00	1.8
ARV	80.25	337 P	14 05.10	1.0			i	29 15.00		ECP	16.59	9 eP	31 11.10	0.1
BDI	80.26	339 P	14 07.00	2.7X			i	29 20.00				eS	34 01.90	
OHR	80.34	330 eP	14 04.20	-0.5			i	29 22.00		ECB	16.73	8 eP	31 13.20	0.5
CKI	80.42	340 P	14 05.30	0.3			i	29 23.00				eS	34 07.10	
RJF	80.79	345 eP	14 07.40	0.4	MTE	5.09	26 iPd	28 35.40	-0.3	ETA	17.12	9 eP	31 18.00	0.4
Z	21s	0.35um		4.7msz			iS	29 27.70				eS	34 17.40	
CAF	81.07	345 eP	14 09.40	0.9	PTO	5.48	14 iPnd	28 40.30	-0.8	BOB	17.54	53 Pc	31 26.70	3.6X
	1.0s	16.00nm		5.0mb			i Sn	29 37.10		DCN	17.64	6 eP	31 25.50	1.3
LFF	81.27	346 eP	14 10.10	0.7	TIO	5.56	151 iPnd	28 42.00	-0.4			eS	34 37.00	
	0.9s	9.85nm		4.8mb			i	29 23.00		PII	17.88	58 P	31 31.10	3.9X
MNS	81.37	337 P	14 10.80	0.8			i	29 29.00		BDI	18.05	57 P	31 31.00	1.7
LPO	81.45	345 eP	14 11.10	0.7			i	29 31.00		MME	18.16	56 P	31 32.60	1.7
	0.9s	18.00nm		5.1mb			i	29 36.00		DMU	18.23	7 iPc	31 33.00	1.6
SDI	81.73	335 P	14 12.80	0.9			i Sn	29 38.00			1.0s	151.00nm		5.1mb
LRG	81.73	341 eP	14 13.30	1.5	EGUA	5.61	78 ePn	28 43.03	0.0	CRE	18.84	59 Pc	31 40.10	1.0
	0.9s	18.00nm		5.1mb			eSn	29 43.80		SFI	18.86	58 P	31 40.70	1.5
LMR	81.82	341 eP	14 13.70	1.4	ECOG	5.69	73 iP	28 45.11	0.9	ENN	19.01	33 eP	31 41.50	0.6
	0.9s	8.20nm		4.8mb			eS	29 45.80			0.8s	13.00nm		4.2mb
HRI	81.87	316 eP	14 13.80	0.9	MVO	5.94	25 iPd	28 47.00	-0.7			e	35 03.00	
PGF	82.06	339 eP	14 13.50	-0.2			iS	29 49.00		MNS	19.04	63 Pc	31 41.50	0.0
	0.8s	5.35nm		4.6mb	FUL	6.25	241 eP	28 51.00	-1.0	ASS	19.19	61 Pc	31 43.70	0.5
ORI	82.57	333 P	14 18.70	2.4X			iS	29 55.50		FAI	19.39	79 P	31 46.50	1.0
JARJ	82.67	315 P	14 17.81	0.8	TOL	6.45	49 iPnc	28 55.20	0.4	CTI	19.48	52 Pc	31 46.60	0.1
MGR	82.74	334 P	14 17.50	0.3			ePg	29 11.00		ARV	19.50	60 P	31 47.10	0.5
TDS	82.97	333 P	14 19.80	1.4	EHUE	6.57	70 iPnc	28 56.22	-0.4	AQU	19.56	63 P	31 47.90	0.5
MDSJ	83.06	315 P	14 19.79	0.7			eSn	30 06.00		SDI	19.75	65 P	31 48.80	-0.6
EPF	83.19	346 eP	14 19.90	0.4	CFTV	8.03	204 iP	29 13.00	-3.9X	RFI	19.81	67 P	31 50.00	0.1
	1.0s	14.00nm		5.0mb			i	30 39.60		TNS	19.84	38 ePc	31 50.30	0.1
CZI	83.44	333 P	14 20.50	-0.2	CTFE	8.85	216 eP	29 24.00	-4.3X	VVI	19.95	52 P	31 51.20	-0.2
DSI	83.49	315 eP	14 22.20	1.1			e	30 56.50		EKA	20.13	12 Pd	31 53.40	0.3
STS	84.40	352 eP	14 26.00	0.5	GGC	8.88	211 eP	29 26.60	-2.1		0.9s	9.00nm		4.1mb
PRNI	84.71	315 iPd	14 27.80	0.5			i	30 58.00		MNO	20.18	77 Pc	31 54.20	0.1
ERUA	84.76	351 eP	14 29.00	1.6	TBT	9.55	224 iP	29 32.90	-5.0X	WTS	20.28	32 eP	31 56.00	1.3
ETOR	85.71	347 eP	14 32.50	0.2			i	31 10.00			0.8s	19.00nm		4.5mb
STK	85.77	196 eP	14 31.50	-0.8	EBR	9.90	57 ePn	29 42.00	-0.7			e	32 10.00	
	0.8s	1.90nm		4.4mb			iSg	31 29.00				e	35 36.00	
GUD	86.16	348 eP	14 35.50	0.9	EGRA	10.09	48 iPnc	29 49.85	4.5X	PZI	20.40	79 P	31 55.70	-0.5
EPLA	86.95	350 eP	14 39.50	1.1			eSn	31 40.00		MEU	20.41	79 P	31 55.20	-1.1
MEKA	87.00	217 eP	14 38.00	-0.5	BOH	10.26	42 P	29 47.59	-0.1	FVI	20.42	51 P	31 56.40	0.2
ZOBO	127.40	65 PKP	20 59.00	-0.3	ELYF	10.32	42 P	29 48.31	-0.1	TRI	20.73	54 iPc	31 59.10	-0.3
SIV	130.95	58 PKP	21 05.00	-0.4	ISSF	10.33	43 P	29 48.31	-0.4	SGO	20.73	69 P	31 59.10	-0.3
	S.D. = 1.0 on 149 of 172 obs.				LHE	10.36	44 P	29 48.61	-0.4	WIT	20.82	30 eP	32 02.00	1.7
					MADF	10.40	43 P	29 49.30	-0.2	MGR	20.88	70 P	32 00.00	-1.1
	JUN 15, 1991 17h 27m	19.77±0.49s			ATE	10.42	43 P	29 49.41	-0.4	VOY	20.92	53 ePc	32 01.30	-0.2
	35.837 N ± 2.9km	10.410 W ± 3.2km			ESCF	10.49	43 P	29 50.17	-0.6	GRF	20.97	42 iPc	32 02.60	0.7
	DEPTH = 37.3 ± 4.3 km				JAU	10.58	44 P	29 51.73	-0.4		1.1s	73.00nm		5.0mb
	4.8mb (31 obs.)				OGE	10.60	43 P	29 51.84	-0.4	RIY	21.02	56 ePc	32 02.10	-0.3
	NORTH ATLANTIC OCEAN	(402)			8TH	10.72	44 e(Pn)	29 56.00	2.1	GMB	21.09	76 P	32 02.50	-0.9
	MD 4.5 (RBA).						iPP	30 05.70		CEY	21.17	55 ePc	32 04.00	0.0
							SP	31 41.00		MMN	21.20	71 P	32 04.20	-0.1
FAR	2.29	58 P	27 59.20	3.2X			iS	31 45.50		CZI	21.29	73 P	32 04.00	-1.2
		S	28 23.50				eSS	32 29.00		LJU	21.34	54 ePc	32 06.00	0.3
FIG	2.43	58 P	28 02.00	4.0X			e	33 20.00		CSI	21.43	71 P	32 06.00	-0.6
		S	28 27.00				e	34 08.00		TDS	21.46	72 P	32 06.50	-0.4
LIS	3.05	19 iPd	28 07.50	0.8	EPF	10.98	46 Pn	29 57.50	0.0	GRI	21.52	74 P	32 06.20	-1.3
		iS	28 40.10				Sn	31 42.00		ORI	21.56	71 P	32 09.00	1.0
MOE	3.15	31 iPd	28 09.80	1.7	LFF	12.44	40 Pn	30 16.10	-0.9	WET	21.61	45 iPc	32 09.20	0.8
		iS	28 42.50				Sn	32 18.00			1.3s	133.00nm		5.2mb
MTH	3.20	17 iPd	28 10.00	1.1	LPO	12.50	41 Pn	30 17.00	-0.9	ROI	21.64	72 P	32 08.50	-0.3
		iS	28 43.50				Sn	32 19.10		VBY	21.65	56 ePc	32 09.00	0.2
RBA	3.45	121 iPn	28 13.00	0.6	RJF	13.09	40 Pn	30 24.00	-1.6			e(pP)	32 44.00	
		i	28 42.00				Sn	32 33.00		HVAR	21.92	62 eP	32 09.80	-1.7

BRT	22.19	69 P	32 12.30	-1.9	LON	77.33	319 P	39 12.20	0.0	E 16s	1.30um		
PTJ	22.24	55 iP	32 13.80	-0.9	GKN	77.93	64 P	39 15.56	-0.4	pP	47 38.00	48kmX	
LCI	22.73	70 P	32 19.20	-0.3	DMN	78.50	64 P	39 19.20	0.0	HFS	55.10 324 eP	51 42.50	-0.9
BRG	23.08	42 iP	32 24.40	1.6	KKN	78.52	64 P	39 19.18	-0.1	0.7s	1.70nm	4.2mb	
	1.8s	85.00nm	4.9mb		NNA	78.60	246 eP	39 21.50	1.9	WRA	68.44 132 P	53 12.00	-1.5
		i	32 37.20		0.5s	4.23nm	4.7mb			0.7s	1.20nm	4.1mb	
		i	32 42.60		PKI	78.74	64 P	39 20.42	-0.2	WB2	68.45 132 eP	53 12.80	-0.8
		e	32 51.60		GUN	78.89	64 P	39 21.56	0.1	0.4s	2.10nm	4.6mb	
		eS	36 40.00		HYB	79.20	76 ePd	39 22.20	-0.6	S.D. = 1.2	on 13 of 16 obs.		
VKA	23.28	49 iPc	32 24.90	0.1	TNP	80.06	310 P	39 28.50	1.1				
	1.7s	190.00nm	5.3mb		0.7s	2.96nm	4.4mb			* JUN 15, 1991 17h 42m 32.48± 0.74s			
UZD	24.18	55 iP	32 35.00	1.4	GBA	80.45	80 Pc	39 29.00	-0.5	15.244 N ± 8.3km 120.565 E ± 13.6km			
KSP	24.36	44 eP	32 36.00	0.7	0.7s	12.80nm	5.0mb			DEPTH = 10.0km (geophysicist)			
SRO	24.37	52 iP	32 34.80	-0.6	BONR	80.81	310 P	39 32.80	1.3	4.5mb (4 obs.)			
BUD	24.73	53 eP	32 38.40	-0.4	LBFM	80.82	315 P	39 33.00	1.6	LUZON, PHILIPPINE ISLANDS (249)			
OHR	24.92	68 eP	32 40.20	-0.6	GTA	81.32	47 Pc	39 34.80	0.9				
	1.0s	47.00nm	5.0mb		1.0s	10.00nm	4.8mb			QVP	0.75 145 P	42 47.10	0.0
SKO	25.44	66 ePc	32 45.00	-0.6	KOD	82.39	83 eP	39 41.00	1.0	BAG	1.16 1 eP	42 51.70	-2.6
	1.1s	74.00nm	5.2mb		BTO	86.30	41 eP	40 00.40	1.2	SZP	2.30 357 P	43 12.00	1.0
SPC	26.04	50 eP	32 50.20	-1.2	XAN	90.33	46 P	40 19.00	0.6	CVP	2.73 26 P	43 18.60	1.5
VAY	26.26	68 eP	32 52.30	-0.9	WRA	145.28	72 PKP	46 54.00	-1.5	MHP	5.92 145 P	44 02.00	-0.3
LKO	26.54	169 P	32 55.78	-0.2	0.6s	52.00nm				CHTO	20.97 283 P	47 18.90	0.5
	0.5s	14.00nm	4.8mb		ASPA	146.91	78 iPKPc	47 00.00	1.8	BJI	25.00 352 eP	47 59.00	1.2
NAO	28.45	22 P	33 11.20	-1.8	0.8s	31.50nm				1.2s	20.00nm	4.7mb	
	0.9s	4.50nm	4.1mb		S.D. = 1.0	on 171 of 185 obs.				ASPA	40.81 161 eP	50 11.70	-4.2X
HFS	28.86	25 eP	33 15.50	-1.1	? JUN 15, 1991 17h 27m 24.07± 1.64s					0.4s	4.40nm	4.5mb	
	0.7s	27.90nm	5.1mb		53.333 N ± 37.0km 167.078 W ± 18.3km					YAK	47.16 6 eP	51 01.40	-5.3X
TIC	29.47	169 P	33 21.56	-1.0	DEPTH = 33.0km (normal)					QUE	51.21 297 P	51 39.00	0.4
	0.7s	10.50nm	4.7mb		4.4mb (7 obs.)					HFS	85.07 331 eP	55 09.00	-0.5
VR1	29.59	59 ePd	33 22.00	-1.3	FOX ISLANDS, ALEUTIAN ISLANDS (9)					0.5s	1.70nm	4.5mb	
KIC	29.79	169 P	33 24.74	-0.7	SDN	4.35	60 eP	28 29.80	0.4	NAO	86.10 332 P	55 13.40	-1.3
	0.7s	8.00nm	4.6mb		ADK	6.03	260 eP	28 59.40	6.2X	0.8s	2.10nm	4.4mb	
		S	39 12.00		KDC	9.37	56 eP	29 41.60	1.9X	S.D. = 1.4	on 10 of 12 obs.		
LIC	29.88	169 P	33 25.54	-0.6	SVW	9.95	34 eP	29 56.20	8.4X	? JUN 15, 1991 18h 18m 24.38± 0.82s			
	0.7s	12.00nm	4.8mb		TOA	14.15	43 eP	30 43.20	-0.8	15.050 N ± 13.8km 120.636 E ± 33.4km			
Z	20s	0.16um	3.7msz		IMA	14.40	22 eP	30 53.30	5.9X	DEPTH = 10.0km (geophysicist)			
UPP	30.10	28 iP	33 26.80	-0.9	INK	21.78	34 eP	32 15.50	1.2	4.5mb (3 obs.)			
NUR	33.32	31 iP	33 55.30	-0.5	pP	32 26.70	44kmX			LUZON, PHILIPPINE ISLANDS (249)			
	0.6s	13.90nm	5.0mb		HFS	66.88	360 eP	38 12.70	-1.7	QVP	0.55 140 P	18 42.80	7.2X
OBN	37.30	44 iPd	34 30.00	0.2	0.4s	1.90nm	4.5mb			BAG	1.35 358 iPc	18 48.00	-1.4
	1.0s	*****nm	8.1mb X		EKA	70.89	10 Pc	38 38.60	-0.6	SZP	2.49 356 P	19 09.00	3.4X
HRI	37.83	80 iPc	34 35.10	0.4	0.6s	2.30nm	4.4mb			CVP	2.87 23 P	19 19.40	8.3X
JVI	37.93	82 iPc	34 36.00	0.6	LOR	79.48	6 eP	39 29.10	0.8	CD2	22.10 318 eP	23 21.00	-0.6
SOD	37.96	22 iP	34 35.50	0.3	0.4s	1.70nm	4.4mb			TIY	23.72 344 eP	23 39.00	1.6
MBH	38.28	86 iPc	34 39.20	0.7	SSF	79.66	7 eP	39 29.60	0.3	BJI	25.20 352 eP	23 53.00	1.4
KEV	39.55	19 eP	34 48.00	-0.4	0.4s	1.70nm	4.4mb			GTA	30.37 327 eP	24 39.00	0.1
CVL	53.33	294 P	36 38.20	0.8	LBF	79.77	6 eP	39 30.00	0.1	WB2	37.30 158 eP	25 38.20	-0.4
MAIO	55.31	67 iPc	36 52.00	-0.1	0.4s	1.15nm	4.2mb			0.6s	5.60nm	4.5mb	
	0.6s	11.22nm	5.1mb		MFF	79.82	9 eP	39 30.50	0.4	ASPA	40.61 161 eP	26 06.50	0.3
GBTN	58.47	293 P	37 14.80	0.4	AVF	79.92	7 eP	39 30.70	0.0	1.1s	6.40nm	4.2mb	
MBC	59.82	345 eP	37 40.00	16.8X	0.4s	1.15nm	4.2mb			NAO	86.30 332 P	31 06.60	-1.0
FFC	62.49	319 iPc	37 41.70	0.2	LSF	80.32	8 eP	39 32.90	0.1	0.9s	3.70nm	4.6mb	
	0.7s	9.00nm	5.0mb		TCF	80.34	8 eP	39 33.00	0.0	S.D. = 1.3	on 8 of 11 obs.		
QUE	63.54	71 eP	37 48.30	-0.7	WRA	88.69	233 P	40 26.00	10.8X	JUN 15, 1991 18h 30m 07.83± 0.69s			
OLY	63.89	296 P	37 50.00	-1.1	1.4s	0.80nm				51.699 N ± 4.8km 16.263 E ± 8.7km			
YKA	64.93	330 eP	37 56.50	-0.9	HYB	89.90	300 eP	40 22.00	0.9	DEPTH = 10.0km (geophysicist)			
	0.7s	3.60nm	4.6mb		GBA	93.66	298 Pd	40 38.90	0.5	POLAND (548)			
MTD	65.71	135 iPKPd	38 02.70	-0.3	0.7s	4.30nm	5.0mb			ML 3.8 (GRF).			
TUL	66.83	298 e(P)	38 08.40	-1.6	BUL	144.73	334 iPKPc	46 57.60	-1.4				
	0.8s	7.70nm	4.8mb		0.9s	8.82nm				KSP	0.86 179 iPd	30 24.60	0.2
INK	67.91	340 eP	38 16.00	-0.2	S.D. = 0.9	on 15 of 20 obs.				iS	30 33.80		
RSSD	68.45	309 P	38 20.00	-0.3	* JUN 15, 1991 17h 42m 12.51± 0.77s					iLR	30 41.50		
SIV	70.38	232 P	38 32.50	0.4	31.175 N ± 8.9km 86.582 E ± 8.6km					BRG	1.67 241 iPn	30 37.30	0.0
		i	38 42.00		DEPTH = 33.0km (normal)					iPg	31 38.90		
		i	38 51.00		4.4mb (4 obs.) 4.1msz (1 obs.)					iSg	31 57.80		
WMO	71.38	49 Pc	38 38.00	0.0	TIBET (306)					PRU	2.03 213 Pn	30 42.20	-0.3
	0.7s	10.00nm	4.9mb		GUN	3.31	191 P	43 04.48	0.9	0.7s	70.20nm		
		PcP	38 57.80		KKN	3.56	199 P	43 07.34	0.4	Pg	30 44.20		
BW06	72.58	310 P	38 44.50	-0.9	GKN	3.59	209 P	43 07.18	-0.1	e	30 49.80		
	0.8s	5.95nm	4.6mb		PKI	3.73	196 P	43 10.04	0.5	Sn	31 01.90		
NEW	73.89	318 P	38 52.50	-0.1	DMN	3.78	200 P	43 10.46	0.4	Sg	31 10.00		
	1.0s	6.88nm	4.6mb		LSA	4.21	109 eP	43 21.80	5.4X	i	31 15.00		
FBA	74.21	343 P	38 56.10	2.0	SHL	7.28	139 eP	43 58.50	-1.0	iPn	30 43.30	0.2	
	1.2s	15.15nm	4.9mb		eS	45 19.50				iPg	30 46.30		
IMA	74.54	345 eP	38 58.00	1.8	NDI	8.50	255 ePn	44 15.50	-0.7	iSg	31 12.50		
CCH	74.70	235 (P)	39 10.00	12.0X	HYB	15.52	210 eP	45 43.50	-7.1X	KRA	2.85 124 eP	31 03.40	9.2X
ANMO	74.81	302 P	38 59.80	1.4	NNT	22.12	144 eP	47 06.20	-0.6	iS	31 44.50		
	1.1s	11.08nm	4.8mb		HHC	22.33	57 eP	47 14.00	5.1X	Pn	30 57.00	-0.6	
ALO	74.81	302 eP	38 59.00	0.6	MAIO	23.06	290 eP	47 17.00	0.9	Pg	31 04.00		
	1.0s	2.00nm	4.1mb		WHN	23.83	84 eP	47 26.00	2.6	Sn	31 31.00		
ZOBO	75.25	237 P	39 01.00	-0.5	1.0s	100.00nm	5.3mb			Sg	31 44.50		
Z	24s	0.15um	4.2mszX		Z 20s	0.60um	4.1msz			HOF	3.10 245 ePn	30 57.60	-0.1
		LR	04 08.00							MOX	3.11 252 iPg	31 06.00	8.2X
MSU	76.61	308 P	39 09.30	0.7						eSg	31 45.00		
YAK	77.30	18 iPc	39 12.40	0.8									
		i	39 31.00										

WET	3.35	222	iPnc	31	01.90	0.6	N	14s	0.50um		(S)	53	47.35						
VKA	3.44	179	iPg	31	12.40	9.9X	LSA	30.42	303 P	55 09.90	0.7	IISM	3.35	12	iP	53	10.92	2.7	
			iSg	31	56.60		GUN	34.26	297 P	55 41.96	-0.7				iS	53	49.99		
ZST	3.55	171	i(Pn)	31	16.10	12.0X	PKI	34.59	297 P	55 45.74	0.3	PPM	3.39	352	(P)	53	09.00	-0.3	
			e	32	01.80		KKN	34.75	297 P	55 46.56	-0.1				(S)	53	40.36		
			i	32	09.30		DMN	34.86	297 P	55 47.50	-0.2	TPM	3.39	345	(P)	53	07.00	-2.0	
SPC	3.58	133	eP	31	19.60	15.0X	GKN	35.35	297 P	55 51.02	-0.7	IIA	3.47	352	iP	53	10.11	0.2	
			e	32	11.50		WB2	37.58	158 iPd	56 05.80	-4.5X				(S)	53	50.63		
GRF	3.78	240	iPnc	31	07.80	0.4		0.5s	13.90nm		5.0mb	MRX	4.94	324	(P)	53	43.12	12.3X	
			ePg	31	20.50		IRK	39.10	344 eP	56 23.00	0.2				(S)	54	40.07		
			eSg	32	07.80			e		56 36.80	53kmX	S.D. = 1.7 on 8 of 11 obs.							
FVI	5.60	205	P	31	33.00	-0.1	WMO	39.75	322 P	56 31.00	2.6	? JUN 15, 1991 19h 52m 52.52±2.04s							
CTI	6.42	210	P	31	44.50	-0.3	HYB	40.04	279 eP	56 31.00	0.0	15.521 S ±33.3km 177.592 W ±23.6km							
NRA0	9.43	346	Pn	32	26.10	-0.5	QIS	40.30	151 eP	56 29.00	-4.1X	DEPTH = 391.8 ± 18.2 km							
			Sn	34	10.90		ASPA	40.87	161 iPc	56 34.00	-3.7X	4.3mb (4 obs.)							
ARA0	18.42	10	Pn	34	24.90	0.4		1.0s	12.60nm		4.6mb	FIJI ISLANDS REGION (181)							
S.D. = 0.4 on 12 of 17 obs.							GBA	41.47	273 Pc	56 42.80	0.1	SGE	4.77	244 iPd	54	12.20	-0.2		
JUN 15, 1991 19h 48m 53.52±0.33s								0.8s	9.40nm		4.6mb	DZM	16.45	244 iPc	56	24.40	1.6		
15.211 N ± 4.9km 120.267 E ± 5.9km							WARB	41.61	171 eP	56 40.10	-3.6X	TOO	39.30	229 iPc	59	46.00	-0.8		
DEPTH = 8.5km (3 depth phases)							YAK	47.23	6 iPd	57 27.30	-1.1	WB2	45.87	257 iPc	00	39.60	0.1		
5.0mb (18 obs.)							QUE	50.96	297 P	57 58.20	0.2		0.3s	6.00nm		4.4mb			
LUZON, PHILIPPINE ISLANDS (249)							CAN	57.17	152 eP	58 42.20	-1.1	WRA	45.88	257 P	00	39.00	-0.6		
							MAIO	57.69	303 iPc	58 47.20	0.0		0.4s	4.40nm		4.1mb			
QVP	0.92	129	P	49	10.90	-0.3	TAB	68.23	305 eP	59 58.00	0.9	ASPA	46.23	252 eP	00	42.10	-0.2		
QCP	0.97	126	eP	50	06.00	53.9X	OBN	74.06	324 eP	00 31.00	-0.6		0.7s	24.30nm		4.6mb			
BAG	1.23	14	iPc	49	15.80	-0.8	IMA	74.62	25 eP	00 34.20	-0.7	MTN	49.69	266 eP	01	09.30	0.5		
SZP	2.33	4	P	49	36.30	3.6X	KEV	76.98	339 eP	00 40.00	-8.0X	WARB	52.84	249 eP	01	31.00	-0.9		
CVP	2.89	31	P	49	41.50	0.9	FBA	77.18	26 P	00 49.20	0.0	MAT	66.49	322 (P)	03	03.00	-0.4		
PPR	5.61	193	P	50	20.50	1.3	HRI	77.32	301 eP	00 51.40	0.7		0.9s	4.20nm		4.2mb			
MAP	6.06	146	P	50	28.00	2.5	SOD	77.48	337 eP	00 51.00	0.2	FLN	146.77	3 ePKP	11	45.70	-2.3		
HKC	9.11	322	eP	51	07.10	-1.1	DSI	77.92	300 eP	00 54.50	0.6		0.6s	8.10nm					
DAV	9.60	147	eP	51	19.00	3.9X	RMN	78.76	299 eP	00 59.10	0.4	LDF	146.95	3 ePKP	11	46.20	-2.1		
OZH	9.81	351	eP	51	20.50	2.7	NUR	79.64	330 eP	00 59.00	-3.6X		0.6s	4.50nm					
							VRI	81.67	315 ePd	01 13.50	-0.3	CDF	146.96	354 ePKP	11	47.10	-1.3		
Z	16s		3.50um				INK	81.85	21 eP	01 13.00	-1.2		0.7s	5.50nm					
N	16s		3.30um				MBC	82.16	12 eP	01 16.00	0.2	GRR	147.11	4 ePKP	11	46.80	-1.8		
E	16s		2.20um					1.0s	13.00nm		5.0mb		0.4s	4.60nm					
QIZ	10.66	292	eP	51	27.00	-2.6	CMP	82.96	315 ePc	01 23.00	2.5	HAU	147.45	355 ePKP	11	48.30	-0.9		
			0.80um				PLD	84.00	312 eP	01 25.00	-0.8	LPF	147.46	4 ePKP	11	47.80	-1.3		
			1.70um				RZN	84.10	311 eP	01 25.00	-1.6		0.7s	12.15nm					
SSE	15.83	3	P	52	37.50	-0.8	VTS	84.94	313 iP	01 30.00	-0.7	BSF	147.58	354 ePKP	11	48.60	-0.9		
			0.90um				HFS	84.96	331 eP	01 28.00	-2.2	LOR	148.32	358 ePKP	11	50.60	0.0		
			pP	52	44.50			1.4s	41.70nm		5.5mb	SSF	148.54	359 ePKP	11	51.10	0.2		
WHN	16.20	341	eP	52	49.00	6.0X	KRA	84.96	320 eP	01 30.00	-0.5		0.9s	8.20nm					
			200.00nm					i	01 33.40	11km		LBF	148.60	358 ePKP	11	51.10	0.0		
E	17s		1.30um				SPC	85.04	320 eP	01 31.20	0.1		0.8s	6.05nm					
NJ2	16.81	356	Pc	52	56.00	5.2X	VAY	85.75	312 eP	01 33.30	-1.3	AVF	148.81	359 ePKP	11	51.20	-0.1		
			0.60um				NAO	85.99	332 P	01 33.70	-1.7	BGF	149.05	359 ePKP	11	52.00	0.3		
NNT	20.10	265	eP	53	31.80	1.2		0.9s	11.40nm		5.0mb		0.7s	4.40nm					
MKS	20.31	182	iPd	53	32.50	-0.3	SKO	86.37	312 eP	01 37.00	-0.7	TCF	149.33	0 ePKP	11	52.80	0.6		
CHG	20.70	283	eP	53	38.00	1.2	SRO	86.68	319 e(P)	01 37.80	-1.3	LSF	149.36	1 ePKP	11	52.60	0.4		
			19.62nm				KSP	86.91	322 ePd	01 30.20	-10.0X	MAF	149.39	360 ePKP	11	53.10	0.9		
SNG	20.85	250	eP	53	39.00	0.6		e	01 40.20	31kmX			0.9s	6.55nm					
TIA	21.10	353	eP	53	41.40	0.6	ZST	87.33	319 eP	01 43.80	1.6	LPG	149.89	354 ePKP	11	55.40	2.0		
XAN	21.36	333	P	53	44.00	0.5		e	11 24.80				0.7s	5.50nm					
			0.70um				PRU	88.27	322 eP	01 46.50	-0.2	RJF	150.30	1 ePKP	11	54.90	1.3		
E	15s		1.20um				BRG	88.29	323 eP	01 45.20	-1.6	LFF	150.64	2 ePKP	11	55.80	1.7		
			S	57	42.00			1.4s	19.00nm		5.2mb	CAF	150.69	0 ePKP	11	56.30	2.0		
IPM	21.68	243	ePd	53	54.00	7.2X	CLL	88.67	323 eP	01 48.00	-0.6		1.0s	7.00nm					
			30.20nm					1.9s	29.00nm		5.2mb	LPO	150.91	2 ePKP	11	56.40	1.9		
CD2	21.75	319	eP	53	49.20	1.8	KHC	89.17	321 P	01 50.50	-0.6	S.D. = 1.3 on 29 of 29 obs.							
			100.00nm					1.5s	8.50nm		4.8mb	JUN 15, 1991 19h 53m 07.94±0.41s							
E	12s		3.40um					e	01 52.50	6km		44.785 N ± 5.1km 4.851 E ± 4.5km							
TIY	23.46	344	Pc	54	05.60	1.3	GRF	90.36	322 iPc	01 56.40	-0.2	DEPTH = 10.0km (geophysicist)							
			80.00nm					e	01 59.20	9km		FRANCE (538)							
			0.71um				YKA	91.55	22 eP	02 00.30	-1.5	ML 3.0 (LDG). MD 3.0 (STR).							
E	13s		0.47um					1.2s	4.20nm		4.7mb	CDR	1.29	149 eP	53	32.20	0.3		
DL2	23.63	3	eP	54	07.00	1.1	KIC	121.45	287 PKP	07 48.00	-2.0		e	53	32.90				
PSI	24.44	241	ePc	54	21.50	7.6X	S.D. = 1.2 on 68 of 83 obs.								eSg	53	46.90		
BJI	24.99	353	eP	54	19.00	0.0	? JUN 15, 1991 19h 52m 14.82±5.78s							BNI	1.32	78 Pc	53	33.10	0.6
			76.00nm				15.696 N ±49.8km 98.126 W ±23.4km								eSg	53	51.60		
LZH	25.45	328	eP	54	25.00	1.4	DEPTH = 10.0km (geophysicist)							LPL	1.52	61 Pn	53	34.80	-0.6
			59.00nm				OFF COAST OF GUERRERO, MEXICO (65)								Pg	53	36.60		
Z	18s		1.08um				VHO	1.91	44 (P)	52	47.00	-0.9	LPG	1.52	61 Pg	53	36.50	1.0	
N	14s		0.75um				OXX	1.93	44 iP	52	46.80	-1.3		Sg	53	56.20			
E	14s		0.68um				ACX	2.03	305 (P)	52	46.71	-2.8X	RSI	1.55	54 Pn	53	35.41	-0.3	
			pP	54	34.00	32kmX		iS	52	51.00				Sg	53	56.55			
HHC	26.64	345	eP	54	35.20	0.6	PBJ	2.72	74 iP	53	00.00	0.7	LRG	1.72	140 Pn	53	37.00	-1.0	
SNY	26.68	6	Pc	54	39.20	4.5X		iS	53	14.04				Pg	53	40.60			
BTO	26.82	343	eP	54	36.00	-0.2		iS	52	51.00				Sn	53	58.00			
			0.40um					(S)	53	48.00				Sg	54	02.60			
			0.30um					iP	53	03.50	0.6								
CN2	28.84	8	eP	54	56.00	1.7		iS	53	35.00									
GTA	30.04	327	Pc	55	05.40	0.0		(P)	53	01.25	-6.7X								
			40.00nm																
			0.90um																
Z	18s																		

15d 19h

FRF	1.78	133	Pn	53	37.80	-1.1
			Pg	53	41.20	
			Sn	53	59.30	
			Sg	54	04.30	
LMR	1.88	140	Pg	53	42.80	2.4
			Sn	54	01.20	
			Sg	54	08.60	
CAF	1.99	275	Pn	53	41.00	-1.0
			Pg	53	46.00	
			Sg	54	11.50	
SMF	1.99	340	Pn	53	41.60	-0.4
			Pg	53	47.00	
			Sg	54	10.60	
SBF	2.07	116	Pn	53	42.10	-1.1
			Pg	53	46.40	
			Sn	54	07.40	
			Sg	54	13.00	
MAF	2.15	313	Pn	53	45.00	0.6
			Pg	53	49.50	
			Sg	54	17.30	
BGF	2.26	322	Pn	53	46.30	0.4
			Pg	53	51.30	
			Sg	54	20.70	
AVF	2.26	333	Pn	53	46.20	0.3
			Pg	53	51.10	
			Sg	54	17.80	
LBF	2.28	345	Pn	53	46.50	0.2
			Pg	53	51.00	
			Sg	54	18.60	
TCF	2.39	310	Pn	53	48.10	0.3
			Pg	53	53.50	
			Sg	54	23.20	
RJF	2.42	284	Pn	53	48.80	0.6
			Pg	53	55.00	
			Sg	54	25.00	
SSF	2.46	338	Pn	53	48.60	-0.1
			Pg	53	54.50	
			Sg	54	24.90	
LOR	2.58	345	Pn	53	49.60	-0.8
			Pg	53	56.50	
			Sg	54	28.30	
LSF	2.76	303	Pn	53	52.70	-0.3
			Pg	54	00.30	
			Sg	54	35.00	

S.D. = 0.9 on 20 of 20 obs.

JUN 15, 1991 19h 58m 35.06 ± 0.41s
 15.199 N ± 5.5km 120.427 E ± 8.0km
 DEPTH = 15.6km (5 depth phases)
 4.9mb (15 obs.) 4.6MsZ (1 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

OVP	0.80	136	P	58	52.50	2.4
BAG	1.21	7	iPc	58	55.10	-2.2
SZP	2.34	1	P	59	15.40	1.9
CVP	2.83	28	P	59	22.00	1.6
PPR	5.64	197	P	00	02.50	2.2
MAP	5.96	144	P	00	11.00	6.3X
DAV	9.51	147	eP	00	58.90	4.5X
SSE	15.84	2	P	02	23.00	4.0X
	Z	18s	2.20um			
	N	16s	1.00um			
	E	14s	1.10um			
WHN	16.26	341	eP	02	27.00	2.6
	1.5s	100.00nm			4.7mb	
	Z	20s	1.20um		4.0MsZ	
	E	16s	2.60um			
NJ2	16.84	355	Pc	02	35.50	3.8X
	Z	18s	1.40um			
	N	14s	0.70um			
	E	17s	1.70um			
GYA	17.04	313	P	02	40.00	5.5X
KMI	19.30	304	Pc	03	05.00	2.5
		pP	03	10.50	21km	
NNT	20.25	265	eP	03	13.00	0.4
MKS	20.31	183	iPc	03	15.00	1.8
BDT	20.67	279	eP	03	15.00	-2.0
CHG	20.85	283	ePd	03	18.50	-0.4
	1.1s	30.06nm			4.6mb	
SNG	20.99	250	eP	03	20.90	0.6
TIA	21.13	353	eP	03	21.80	0.2
	Z	16s	1.20um		4.4MsZ	
KGM	21.36	234	ePc	03	24.40	0.3
XAN	21.45	333	P	03	24.50	-0.3
	N	15s	2.10um			
	E	14s	2.40um			
IPM	21.81	243	ePc	03	34.60	6.0X

CD2	1.0s	27.70nm		4.6mb	
TIY	21.86	319	eP	03	29.60 0.6
	23.52	344	eP	03	45.00 -0.3
	Z	16s	0.72um		4.2MsZ
	E	13s	0.79um		
DL2	23.64	2	eP	03	46.50 0.1
BJI	25.03	352	eP	03	59.00 -0.8
	1.5s	59.00nm		5.0mb	
	Z	16s	0.87um		4.4MsZ
	N	15s	0.80um		
		eS		08	24.00
LZH	25.54	328	eP	04	07.00 2.1
	1.4s	52.00nm		5.0mb	
	Z	16s	2.44um		4.8MsZ
	N	14s	1.96um		
SNY	26.67	5	Pd	04	13.60 -1.5
	Z	18s	1.70um		4.6MsZ
	E	16s	1.40um		
HHC	26.70	345	eP	04	15.00 -0.5
	Z	16s	1.80um		4.7MsZ
	N	14s	0.70um		
	E	12s	0.40um		
BTO	26.88	342	eP	04	17.00 -0.2
	N	14s	0.80um		
	E	14s	1.10um		
GTA	30.14	327	eP	04	47.40 0.8
	Z	16s	2.40um		4.9MsZ
	N	17s	2.00um		
LSA	30.56	303	P	04	50.40 -0.4
GUN	34.41	297	P	05	24.02 -0.3
	0.5s	28.00nm		5.4mb	
PKI	34.73	297	P	05	24.38 -2.7
KKN	34.89	297	P	05	27.02 -1.3
DMN	35.00	297	P	05	25.16 -4.1X
GKN	35.50	297	P	05	32.00 -1.4
WB2	37.51	158	iPd	05	48.10 -2.1
	0.4s	16.70nm		5.2mb	
IRK	39.15	344	eP	06	03.00 -0.6
		e		06	44.00 192kmX
		e		07	38.00
		e		17	06.00
WMO	39.86	322	eP	06	12.50 2.8X
HYB	40.19	279	eP	06	13.00 0.3
OIS	40.22	152	eP	06	12.00 -0.8
ASPA	40.81	161	eP	06	16.60 -1.0
	0.3s	10.10nm		5.0mb	
		e		07	01.60 211kmX
WARB	41.57	172	eP	06	22.00 -1.8
GBA	41.62	273	Pd	06	24.00 -0.4
	1.1s	15.20nm		4.6mb	
YAK	47.22	6	eP	07	06.50 -2.3
STK	51.02	157	eP	07	36.20 -2.3
	1.0s	1.70nm		3.9mb	
QUE	51.11	297	eP	07	38.80 -0.7
MAIO	57.83	303	iPc	08	28.40 -0.1
OBN	74.17	324	eP	10	14.00 1.5
KEY	77.05	339	eP	10	44.00 15.3X
FBA	77.12	26	(P)	10	28.80 -0.4
SOD	77.56	337	eP	10	30.00 -1.5
		e		10	35.00 16km
VR1	81.79	315	ePc	10	55.00 0.3
MBG	82.14	12	eP	10	55.00 -1.0
MLR	82.41	315	eP	11	01.00 2.9X
HFS	85.04	331	eP	11	08.70 -2.3
	0.5s	1.50nm		4.5mb	
KRA	85.07	320	eP	11	12.00 0.7
		e		11	15.80 12km
VAY	85.87	312	eP	11	14.40 -1.1
NAO	86.08	332	P	11	15.60 -0.6
	0.9s	8.70nm		5.0mb	
SKO	86.50	312	eP	11	20.50 1.9
KSP	87.02	322	ePd	11	22.40 1.4
OHR	87.21	312	eP	11	30.80 8.6X
PRU	88.37	322	P	11	40.50 13.0X
BRG	88.39	323	eP	11	31.20 3.6X
		i		11	37.20 19km
CLL	88.78	323	eP	11	31.00 1.6
	0.9s	11.00nm		5.2mb	
KHC	89.28	321	P	11	34.00 2.1
MOX	89.85	323	ePKP	11	39.50 5.0X
	2.1s	42.00nm		5.3mb	
GRF	90.47	322	eP	11	38.50 1.1
		e		11	42.00 11km
YKA	91.50	22	eP	11	44.20 2.3
	0.9s	2.00nm		4.5mb	

S.D. = 1.5 on 55 of 69 obs.

JUN 15, 1991 20h 23m 21.96 ± 0.18s
 0.535 N ± 4.0km 25.452 W ± 3.2km
 DEPTH = 10.0km (geophysicist)
 5.4mb (60 obs.) 5.1MsZ (11 obs.)
 CENTRAL MID-ATLANTIC RIDGE (406)
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 38C
 Centroid Location:
 Origin Time 20:23:31.2 0.3
 Lot 0.84N 0.03 Lon 25.37W 0.03
 Dep 15.0 FIX Half-duration 2.7
 Moment Tensor; Scale 10**17 Nm
 Mrr=-1.14 0.07 Mtt= 1.51 0.10
 Mff=-0.36 0.12 Mrt= 0.56 0.30
 Mrf=-0.02 0.31 Mtf=-3.40 0.08
 Principal Axes:
 T Val= 4.14 Plg= 5 Azm= 37
 N -1.13 79 281
 P -3.01 10 128
 Best Double Couple: Mo=3.6*10**17
 NP1: Strike=172 Dip=79 Slip= -4
 NP2: 263 86 -169

MBO	16.13	31	iPc	27	06.70 -3.8X
			iS	29	55.70
LIC	21.15	74	Pc	28	07.68 -2.0
	1.3s	231.00nm		5.4mb	
TIC	21.27	73	P	28	08.64 -2.3
	1.6s	392.50nm		5.5mb	
KIC	21.46	74	Pc	28	11.08 -1.8
		S		31	59.00
		TT		44	15.00
LKO	21.70	65	P	28	12.72 -2.6
	1.5s	315.00nm		5.5mb	
BMA	29.41	217	eP	29	29.30 1.4
VAO	31.40	220	eP	29	46.60 1.0
		e		29	54.30
TIO	34.80	28	iP	30	16.50 1.3
AVE	36.74	26	eP	30	32.00 0.6
IFR	37.96	28	iP	30	43.00 1.2
SIV	38.81	243	P	30	50.20 1.2
EJIF	40.25	25	eP	31	02.44 1.7
LIJA	40.66	25	eP	31	05.00 0.8
MAL	40.95	26	iP+	31	10.00 3.6X
		iPP		32	42.00
		iS		37	22.00
EHOR	41.51	24	eP	31	12.51 1.5
AFC	41.77	27	eP	31	14.10 0.8
ECOG	41.78	27	eP	31	14.31 0.9
ENIJ	42.15	28	eP	31	16.92 0.6
EBAN	42.42	26	eP	31	

		iS	39 07.00		VAI	54.24	29 P	32 49.60	-0.5	SKO	58.95	39 eP	33 23.50	-0.5	
EPF	48.20	25 eP	32 05.00	0.3	PCH	54.25	227 eP	32 51.00	0.4	Z	16s	3.55um		5.6MsZx	
	1.4s	137.25nm		5.8mb	CRE	54.33	33 P	32 50.50	-0.5	N	15s	1.71um			
ARE	48.44	247 eP	32 06.00	-1.2	ASS	54.35	34 P	32 51.00	-0.1	E	16s	3.14um			
FUO	48.45	277 eP	32 07.00	-0.4	PGD	54.37	33 P	32 51.20	-0.2				33 31.80		
BOG	48.72	276 eP	32 10.00	0.5	LOMF	54.43	27 P	32 51.12	-0.6				iS	41 34.00	
		iS	39 15.00		TDS	54.45	39 P	32 51.50	-0.4				LR	41 59.00	
LPO	49.90	25 eP	32 17.70	0.0	SFI	54.47	33 Pd	32 51.60	-0.3	MOX	58.99	27 iP	33 24.00	-0.1	
LFF	49.92	24 eP	32 17.60	-0.2	UPA	54.48	281 iPd-	32 52.40	-0.1		2.0s	100.00nm		5.6mb	
	0.9s	19.65nm		5.1mb		0.7s	30.14nm		5.4mb	Z	17s	0.90um		5.0MsZx	
PTS	50.01	40 P	32 20.65	2.0	Z	22s	0.52um		4.6MsZ	N	21s	1.30um			
	1.6s	416.40nm		6.2mb	CSI	54.49	39 P	32 49.70	-2.5	E	19s	0.70um			
CAF	50.47	25 eP	32 21.60	-0.4	DUI	54.49	36 Pd	32 53.20	1.0				S	41 30.00	
	1.1s	35.40nm		5.2mb	MDI	54.64	30 P	32 54.60	1.5	GRG	59.05	41 ePc	33 24.64	-0.1	
MFF	50.95	22 eP	32 25.00	-0.6	HAU	54.72	26 eP	32 52.70	-1.1	VAY	59.35	41 eP	33 26.70	0.0	
	1.1s	36.65nm		5.2mb		1.2s	47.60nm		5.4mb	KNT	59.48	41 ePd	33 27.68	0.0	
CDR	51.18	29 eP	32 29.70	2.3	ORI	54.75	39 P	32 54.29	0.2	PNJ	59.59	319 iP	33 27.90	-0.4	
LMR	51.29	30 eP	32 27.70	-0.6		0.1s	8400.00nm		8.7mb X	GMTN	59.59	319 iP	33 28.20	-0.2	
	1.3s	39.70nm		5.2mb	BSF	54.78	26 eP	32 53.00	-1.3	SOH	59.61	41 ePc	33 28.44	-0.2	
LRG	51.31	29 eP	32 28.00	-0.4	MOF	54.95	26 P	32 54.70	-0.8	VKA	59.65	31 i(P)	33 29.10	0.4	
	1.4s	56.65nm		5.3mb	LNJ	55.06	227 eP	32 56.00	-0.5		3.0s	313.00nm		5.9mb	
Z	18s	5.00um		5.6MsZ	ECH	55.23	26 P	32 56.95	-0.6	CIR	59.66	115 iPd	33 31.50	2.3	
LSF	51.31	24 eP	32 27.70	-0.7	DMU	55.35	13 eP	32 58.40	0.2				ipP	33 39.60	
	1.2s	35.70nm		5.2mb	FEL	55.36	27 P	32 57.68	-0.9	TBR	59.75	319 P	33 30.00	0.6	
FAI	51.36	40 P	32 31.20	2.3	CDF	55.43	26 P	32 57.90	-1.1	PRU	59.90	29 eP	33 29.50	-0.8	
FRF	51.53	30 eP	32 29.40	-0.7	WLS	55.47	26 P	32 58.66	-0.6		2.0s	78.10nm		5.5mb	
	1.4s	43.55nm		5.2mb	BRT	55.69	38 P	32 59.20	-1.7	Z	17s	1.70um		5.3MsZx	
TCF	51.62	24 eP	32 30.50	-0.3	CTI	55.80	31 P	33 01.50	-0.2	N	15s	1.30um			
MAF	51.72	25 eP	32 30.90	-0.6	LCI	55.85	39 P	33 01.90	-0.1	E	15s	0.80um			
	1.3s	34.30nm		5.1mb	GWf	56.01	26 P	33 01.59	-1.5				e	33 37.50	
LPF	51.83	21 eP	32 31.50	-0.8	KIM	56.14	126 iPc	33 04.70	0.2				e	37 30.00	
PGF	52.01	32 eP	32 33.00	-0.9		0.9s	29.41nm		5.3mb				S	41 44.00	
GIB	52.01	40 P	32 35.50	1.5	KIM	56.14	126 eP	33 05.00	0.5	SRS	59.91	41 ePd	33 31.08	0.4	
PZI	52.03	41 P	32 35.58	1.5	VVI	56.15	31 P	33 06.50	2.4X	LVNJ	59.94	318 P	33 30.00	-0.8	
	1.1s	68.70nm		5.5mb	HVAR	56.58	36 eP	33 05.60	-1.6	ZST	60.02	31 iP	33 31.10	-0.1	
MEU	52.08	41 P	32 35.52	1.0	TRI	56.67	32 P	33 08.10	0.3	CLL	60.08	27 iPd	33 33.90	2.3	
BGF	52.10	24 eP	32 34.00	-0.4	ENN	56.68	23 eP	33 08.00	0.2		2.0s	61.00nm		5.4mb	
	1.1s	28.10nm		5.1mb		1.2s	78.00nm		5.6mb				i	33 38.90	
SBF	52.14	30 eP	32 34.10	-0.7	KEK	56.71	41 eP	33 07.80	-0.4	BRG	60.21	28 eP	33 32.00	-0.5	
	1.4s	122.00nm		5.6mb	FVI	56.74	31 P	33 08.60	0.3		1.8s	46.00nm		5.3mb	
GRR	52.19	21 eP	32 34.10	-0.9	BUL	56.76	115 iPd	33 08.60	-0.5				i	33 39.30	
	1.0s	42.00nm		5.3mb			ipP	33 16.90	27kmX				eS	41 48.00	
STV	52.36	29 P	32 36.91	0.4	RIY	56.77	33 e(P)	33 07.80	-0.7	VTS	60.40	40 iP	33 34.00	-0.1	
ENR	52.39	30 P	32 36.71	0.0	KRI	56.93	110 iPc	33 10.00	-0.3	SRO	60.42	32 iP	33 33.70	-0.2	
IMI	52.40	30 P	32 36.60	-0.1			ipP	33 17.50	24kmX	NA2	60.79	314 P	33 35.30	-1.3	
PZZ	52.44	29 P	32 37.63	0.5	VOY	56.95	32 eP	33 10.30	0.3	SGS	60.97	308 P	33 37.50	-0.4	
AVF	52.50	25 eP	32 36.90	-0.4	FRS	56.95	127 iPc	33 09.10	-1.0	ASW	61.09	63 eP	33 40.00	1.1	
NNA	52.51	255 iP	32 36.30	-1.7		1.3s	86.54nm		5.6mb				eS	42 08.00	
	0.9s	10.92nm		4.8mb	IGT	56.96	41 ePd	33 09.20	-0.9	RDO	61.22	42 eP	33 39.90	0.4	
DOI	52.51	29 P	32 38.70	1.1	CEY	57.04	32 eP	33 11.00	0.5	CVL	61.24	314 P	33 38.50	-1.2	
SMF	52.59	25 eP	32 37.60	-0.5	TPE	57.15	40 eP	33 11.00	-0.4	KSP	61.30	29 eP	33 39.40	-0.5	
	1.2s	38.70nm		5.2mb	LJU	57.29	32 eP	33 12.80	0.5	PSZ	61.34	33 eP	33 40.60	0.3	
BNI	52.64	28 Pd	32 40.10	1.5	VBY	57.34	33 ePd	33 13.30	0.7	KDZ	61.37	41 iP	33 40.00	-0.6	
FLN	52.64	21 eP	32 37.20	-1.2	VLI	57.38	46 eP	33 13.50	0.5	ALN	61.45	42 ePd	33 41.12	0.1	
	0.9s	21.30nm		5.1mb	EKA	57.57	15 P	33 13.00	-1.1	JSC	61.93	309 P	33 43.30	-1.1	
Z	20s	1.15um		4.9MsZ		1.1s	16.90nm		5.0mb	PVL	62.06	40 iPd	33 44.00	-1.2	
ROB	52.67	30 P	32 39.06	0.3	TIR	57.62	39 eP	33 15.50	0.9	SPC	62.28	32 eP	33 45.60	-1.1	
BHB	52.77	29 P	32 38.96	-0.5	LACI	57.68	39 eP	33 15.30	0.3	KRA	62.63	31 ePd	33 48.90	0.1	
FIN	52.77	30 P	32 39.58	0.1	PRY	57.72	123 eP	33 14.50	-1.3		Z	18s	1.80um		5.3MsZ
SSF	52.78	25 eP	32 38.90	-0.6		1.0s	20.00nm		5.1mb	E	18s	1.70um			
LBF	52.91	25 eP	32 40.10	-0.4	SDA	57.75	38 eP	33 16.30	0.8				i	33 57.00	
	1.3s	86.65nm		5.5mb	ZAG	57.93	33 eP	33 17.50	0.8				eS	42 19.00	
CKI	52.96	30 Pd	32 41.20	0.3	WTS	57.99	23 eP	33 17.50	0.5	CMP	62.88	38 ePd	33 53.00	2.4X	
RSP	52.99	29 P	32 40.70	-0.5		1.3s	49.00nm		5.4mb	BUC1	63.05	39 iPc	33 58.00	6.4X	
LPG	53.01	28 eP	32 41.40	-0.2	AGG	58.05	43 ePd	33 18.48	0.8	WVLY	63.24	318 P	33 52.00	-1.0	
LPL	53.01	28 eP	32 41.70	0.2	OHR	58.09	40 eP	33 19.10	1.1	MLR	63.55	38 ePd	33 54.00	-1.1	
ATN	53.03	40 P	32 42.70	1.2	GRF	58.14	27 iPc	33 17.70	-0.4	SCH	63.76	335 ePd	33 55.10	-1.1	
LOR	53.09	25 eP	32 41.10	-0.7		Z	20s	0.90um	4.9MsZ		0.8s	42.00nm		5.7mb	
	1.3s	65.00nm		5.4mb				e	33 20.10	PSN	64.12	40 eP	33 58.00	-0.7	
Z	20s	1.58um		5.1MsZ				e	33 25.50	VRI	64.21	38 ePc	33 58.00	-1.3	
LSD	53.17	28 P	32 42.76	0.1	PHP	58.17	39 eP	33 16.50	-1.9	MBH	64.22	57 eP	34 00.00	0.2	
PCP	53.18	30 P	32 42.35	-0.2	FNA	58.29	41 ePd	33 19.72	0.3	CFR	64.78	39 eP	34 02.00	-1.0	
GMB	53.29	40 P	32 44.75	1.2	SEK	58.32	124 iPd	33 18.70	-1.3	AKU	65.22	3 iP	34 06.90	1.5	
	1.0s	75.20nm		5.6mb		0.9s	33.61nm		5.4mb		1.9s	147.37nm		5.8mb	
RMP	53.56	35 P	32 46.10	0.8	KMR	58.41	30 iP+	33 20.80	0.8	MML	65.38	54 iPd	34 07.60	0.4	
PII	53.62	32 P	32 46.50	0.8	WET	58.53	29 iPd	33 20.70	-0.2	HRI	65.87	54 iPd	34 11.00	0.6	
ORX	53.69	29 P	32 45.11	-1.2	LIT	58.68	42 iPc	33 21.29	-0.9	NAO	66.23	18 P	34		

15d 20h

AIA 71.36 196 e(P) 34 47.00 3.3X
 TUL 73.83 307 ePd 34 57.20 -1.7
 0.8s 81.00nm 5.8mb
 Z 20s 0.52um 4.8msz
 e 44 27.00
 LR 58 04.00
 OBN 73.92 32 eP 34 59.00 0.0
 Z 20s 2.60um 5.5msz
 e 35 57.00
 e 44 30.00
 NVL 75.23 168 ePc 35 07.50 1.2
 e 35 17.00
 e 35 22.00
 e 35 34.00
 e 35 38.00
 KER 75.33 55 eP 35 14.00 6.2X
 TAB 75.38 51 eP 35 08.00 0.0
 SOD 75.74 18 eP 35 09.00 -0.3
 MEO 75.87 306 iPc 35 09.50 -1.2
 DAG 76.24 2 iPc 35 12.40 0.5
 0.8s 33.58nm 5.5mb
 IR1 78.41 54 eP 35 25.00 0.1
 IR4 78.55 54 ePc 35 26.00 0.2
 KBS 80.63 7 eP 35 38.20 2.3
 RSSD 81.43 314 P 35 41.10 0.0
 0.8s 30.05nm 5.4mb
 GLD 81.79 310 P 35 43.50 0.5
 1.0s 20.00nm 5.1mb
 FFC 81.80 325 ePd 35 41.70 -0.7
 1.0s 27.00nm 5.3mb
 GOL 81.90 310 P 35 44.00 0.4
 0.9s 24.62nm 5.3mb
 ALQ 82.32 305 ePd 35 46.00 0.2
 1.0s 20.00nm 5.2mb
 Z 20s 0.71um 5.0msz
 ANMO 82.31 305 P 35 46.80 1.0
 1.0s 70.00nm 5.7mb
 BW06 85.30 313 P 35 59.80 -1.1
 MAIO 85.61 54 iPc 36 03.20 0.8
 eS 46 46.00
 DAU 86.45 310 P 36 07.00 0.2
 SES 86.77 320 ePd 36 06.00 -1.7
 0.8s 79.00nm 6.0mb
 MSU 87.10 308 P 36 10.00 0.2
 LRM 87.52 316 ePd 36 12.10 0.4
 DUG 87.64 310 P 36 12.00 -0.3
 YKA 89.14 332 eP 36 17.50 -1.2
 0.6s 5.90nm 5.0mb
 GLA 89.19 303 eP 36 21.00 1.3
 MAW 89.85 157 eP 36 25.00 3.0X
 TPC 90.20 304 eP 36 26.00 1.6
 MBC 90.42 346 ePc 36 25.50 1.0
 1.5s 36.00nm 5.4mb
 NEW 90.72 318 P 36 25.70 -0.8
 0.9s 12.06nm 5.2mb
 BAR 90.74 303 eP 36 28.00 1.1
 GSC 90.80 305 eP 36 27.00 -0.2
 PLM 90.89 303 eP 36 29.00 1.2
 TNP 91.07 308 P 36 28.00 -0.5
 1.0s 8.75nm 5.0mb
 RVR 91.30 304 eP 36 30.00 0.6
 SBB 91.65 305 eP 36 31.00 -0.1
 ISA 92.15 306 eP 36 34.00 0.6
 BCH 93.49 305 P 36 40.00 0.4
 LON 93.98 317 P 36 41.00 -0.6
 LBFM 94.49 311 P 36 44.00 -0.2
 ARN 94.52 307 P 36 45.40 1.2
 BMW 94.98 317 P 36 46.60 0.4
 INK 96.13 339 eP 36 50.50 -0.4
 CAN 145.01 172 ePKP 43 01.30 -0.5
 i 43 09.90
 CNB 145.06 173 ePKP 43 02.40 0.5
 i 43 10.00
 BWA 145.80 171 ePKP 43 04.40 1.3
 STK 146.50 160 iPKPc 43 04.50 0.2
 0.7s 5.10nm
 ASPA 149.50 140 ePKP 43 12.20 2.9X
 1.2s 14.30nm
 i 43 23.50
 WRA 152.37 136 PKP 43 13.00 -0.6
 2.9s 1.50nm
 WB2 152.38 136 iPKPc 43 20.20 6.6X
 1.0s 2.30nm
 RMQ 153.60 168 ePKP 43 24.00 8.8X
 S.D. = 1.0 on 251 of 264 obs.

JUN 15, 1991 20h 58m 31.99±0.58s

38.854 N ± 5.7km 17.104 E ± 3.7km
 DEPTH = 11.0 ± 2.6 km
 SOUTHERN ITALY (390)
 MD 3.9 (ATH). ML 3.7 (TTG).

ROI 0.83 330 P 58 49.20 1.3
 CZI 0.84 296 P 58 47.60 -0.5
 CSI 1.12 326 P 58 53.90 1.0
 MMN 1.35 321 P 58 58.80 2.2
 eSg 59 18.50
 KEK 2.26 67 ePn 59 10.10 0.2
 BAI 2.27 355 P 59 09.50 -0.4
 IGT 2.60 74 ePd 59 15.10 0.4
 eS 59 47.94
 VLS 2.82 103 ePn 59 17.60 -0.2
 FAI 3.13 241 P 59 22.50 0.4
 BDV 3.67 20 iPnd 59 29.10 -0.8
 iSn 00 11.60
 HCY 3.74 16 iPnd 59 29.50 -1.4
 eSn 00 12.50
 FNA 3.81 58 ePc 59 32.70 0.7
 eS 00 18.98
 KZN 3.89 67 ePn 59 34.00 1.0
 TTG 3.93 24 iPnd 59 32.70 -0.8
 eSn 00 17.00
 AGG 4.08 86 ePc 59 37.29 1.6
 eS 00 24.94
 BRY 4.19 15 iPnd 59 36.20 -1.1
 eSn 00 24.20
 NKY 4.21 19 iPnd 59 36.50 -1.1
 eSn 00 22.20
 PVY 4.33 29 ePn 59 39.50 0.2
 eSn 00 26.20
 LIT 4.35 72 ePc 59 39.80 0.3
 IVA 4.54 27 ePn 59 43.30 1.1
 eSn 00 33.20
 GRG 4.58 61 ePd 59 44.22 1.4
 iS 00 36.22
 PLE 4.79 20 ePn 59 46.20 0.3
 eSn 00 37.70
 THE 4.85 67 ePd 59 47.10 0.4
 KNT 5.01 61 ePd 59 48.78 -0.1
 eS 00 45.22
 VLI 5.09 113 ePn 59 49.60 -0.4
 SOH 5.20 66 ePc 59 51.42 -0.1
 ATH 5.27 98 ePn 59 52.60 0.1
 ASS 5.39 323 P 59 54.50 0.2
 SRS 5.47 64 ePd 59 55.38 -0.1
 OUR 5.51 72 ePd 59 55.29 -0.7
 ARV 5.60 327 P 59 57.40 0.2
 VBY 6.79 349 e(Pn) 00 15.00 1.1
 i 00 18.80
 eSn 01 32.10
 RDO 6.87 68 ePn 00 14.50 -0.5
 PTJ 7.09 354 e(P) 00 16.20 -2.0
 CEY 7.16 345 e(Pn) 00 21.50 2.4
 e(Sn) 00 40.00
 TRI 7.28 341 eP 00 28.40 7.6X
 LJU 7.43 346 ePn 00 22.00 -0.9
 e(Sn) 01 43.00
 VOY 7.56 343 e(Pn) 00 26.20 1.5
 eSn 01 42.00
 NPS 7.69 115 ePn 00 25.00 -1.6
 CTI 8.24 332 P 00 32.20 -2.1
 FVI 8.36 339 P 00 35.00 -0.9
 CKI 8.64 313 P 00 39.50 -0.3
 MDI 8.82 324 P 00 41.50 -0.7
 BNI 9.93 312 P 00 57.50 -0.2

S.D. = 1.1 on 43 of 44 obs.

? JUN 15, 1991 21h 06m 03.58±1.80s
 45.563 N ± 16.1km 7.362 E ± 11.4km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)

LSD 0.18 234 P 06 07.75 0.0
 S 06 10.00
 RSP 0.42 190 P 06 11.85 -0.3
 S 06 17.28
 ORX 0.44 81 P 06 12.57 0.0
 S 06 18.41
 BHB 0.73 186 P 06 18.21 0.4
 S 06 27.13

S.D. = 0.5 on 4 of 4 obs.

? JUN 15, 1991 21h 22m 51.19±5.41s
 40.101 N ± 35.7km 23.276 E ± 16.2km

DEPTH = 5.0km (geophysicist)
 GREECE (364)

THE 0.58 336 ePd 23 02.82 0.0
 eS 23 10.38
 OUR 0.59 66 iPd 23 02.93 0.0
 SOH 0.72 5 iPd 23 05.50 -0.1
 iS 23 15.46
 SRS 1.04 13 ePd 23 11.54 0.2
 KNT 1.10 345 ePc 23 12.21 -0.1
 eS 23 27.02

S.D. = 0.2 on 5 of 5 obs.

JUN 15, 1991 21h 33m 17.39±0.40s
 38.406 N ± 4.0km 27.096 E ± 4.4km
 DEPTH = 18.3 ± 4.0 km
 3.9mb (2 obs.)

TURKEY (366)
 MD 4.0 (ISK). 4.0 (ATH). Felt at Izmir.

IZM 0.13 94 iPg 33 21.00 -0.5
 PRK 1.06 323 ePn 33 37.30 0.5
 EZN 1.54 337 iPn 33 44.70 0.7
 YER 1.58 143 iPn 33 46.70 2.0
 KHL 1.91 92 iPn 33 50.80 1.3
 EDC 2.03 17 iPn 33 51.30 0.2
 BNT 2.05 18 iPn 33 51.30 -0.1
 KGT 2.05 4 iPn 33 52.20 0.8
 ARG 2.34 159 ePn 34 00.80 5.3X
 MFT 2.38 3 iPn 33 56.00 -0.2
 ALT 2.44 74 iPn 33 58.00 0.9
 IZI 2.67 43 iPn 34 00.70 0.4
 ATH 2.70 262 ePb 34 05.60 4.9X
 ELL 2.78 126 iPn 34 03.80 1.8
 BCK 2.92 108 iPn 34 06.10 2.3
 CTT 2.92 20 ePn 34 04.20 0.4
 RDO 2.99 337 ePn 34 05.10 0.4
 GBZT 2.99 37 ePn 34 16.10 11.3X
 ISK 3.06 29 ePn 34 06.00 0.3
 HRT 3.12 39 iPn 34 06.70 0.0
 EYL 3.20 47 ePn 34 08.30 0.3
 NPS 3.36 201 ePn 34 09.40 -0.6
 KDZ 3.49 339 iPd 34 12.00 0.2
 VLI 3.71 244 ePn 34 14.40 -0.6
 RZN 3.75 332 iPd 34 16.00 0.2
 DIM 3.83 342 iP 34 17.00 0.3
 iS 35 19.00
 MMB 4.10 322 iPc 34 21.00 0.4
 PLD 4.12 334 iP 34 21.00 0.2
 VAY 4.54 311 ePn 34 27.40 0.6
 KZN 4.54 296 ePn 34 27.90 0.9
 KKB 4.63 320 iPd 34 28.00 -0.1
 PGB 4.70 333 iP 34 28.00 -1.2
 PVL 4.99 345 iPc 34 32.00 -1.1
 VTS 5.12 326 iPc 34 35.00 -0.2
 OHR 5.55 301 ePn 34 43.60 2.4
 SKO 5.61 311 ePn 34 42.50 0.6
 CMP 7.03 348 ePc 35 05.00 3.1X
 MLR 7.13 353 eP 35 03.00 -0.4
 VRI 7.46 358 ePd 35 07.00 -1.0
 GZR 7.69 337 ePd 35 09.00 -2.2
 ADI 8.48 126 eP 35 22.40 0.2
 MML 9.03 129 eP 35 27.10 -2.7
 JVI 9.35 131 eP 35 32.80 -1.4
 BRG 15.56 327 e(P) 37 03.00 5.8X
 HFS 23.35 343 eP 38 24.70 -0.5
 0.5s 1.20nm 3.7mb
 NAO 24.65 341 P 38 37.80 0.0
 0.9s 5.70nm 4.2mb

S.D. = 1.1 on 41 of 46 obs.

% JUN 15, 1991 21h 37m 51.38±2.47s
 15.393 N ± 21.4km 98.833 W ± 9.5km
 DEPTH = 33.0km (normal)
 OFF COAST OF GUERRERO, MEXICO (65)

ACX 1.77 326 iP 38 20.11 -0.1
 iS 38 37.41
 VHO 2.62 50 (P) 38 32.00 -0.5
 (S) 39 01.00
 OXX 2.63 50 iP 38 32.83 0.2
 iS 39 02.70
 III 3.03 348 (P) 38 39.00 0.7
 (S) 39 11.00
 PBJ 3.46 72 iP 38 44.50 0.3
 iS 39 24.00

15d 21h

TPM 3.58 357 (P) 38 46.00 -0.1
(S) 39 23.00
IIT 3.64 8 iP 38 47.11 0.0
(S) 39 24.30
PPM 3.66 3 iP 38 47.37 -0.1
(S) 39 37.35
IIA 3.74 3 iP 38 48.62 0.5
(S) 39 35.08
IISM 3.84 21 iP 38 49.12 -0.4
(S) 39 35.21
MRX 4.84 333 iP 39 03.33 -0.5
(S) 40 12.86
S.D. = 0.4 on 11 of 11 obs.

% JUN 15, 1991 21h 58m 55.77±1.30s
38.401 N ±10.1km 27.060 E ±13.4km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.4 (ISK).

IZM 0.16 91 iPg 58 59.30 -0.2
EZM 1.53 338 ePn 59 23.10 -0.1
YER 1.59 142 ePn 59 24.20 0.1
EDC 2.04 18 ePn 59 31.10 0.6
KGT 2.06 5 ePn 59 31.00 0.2
MFT 2.39 4 ePn 59 35.00 -0.6
S.D. = 0.5 on 6 of 6 obs.

% JUN 15, 1991 22h 07m 47.51±1.38s
38.399 N ±10.9km 27.055 E ±14.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

IZM 0.16 90 iPg 07 51.00 -0.3
EZM 1.53 339 ePn 08 14.70 -0.2
YER 1.59 142 ePn 08 16.00 0.1
EDC 2.04 18 ePn 08 23.00 0.7
KGT 2.06 5 ePn 08 22.20 -0.3
S.D. = 0.6 on 5 of 5 obs.

JUN 15, 1991 22h 08m 24.88±0.38s
38.473 N ±4.1km 27.089 E ±4.6km
DEPTH = 9.1 ± 2.9 km
3.8mb (1 obs.)

TURKEY (366)
MD 4.0 (ISK), 3.9 (ATH). Felt at Izmir.

IZM 0.16 119 iPg 08 28.30 -0.1
PRK 1.00 321 ePn 08 45.50 1.6
EZM 1.48 337 ePn 08 51.70 0.1
YER 1.64 144 ePn 08 54.10 0.1
KHL 1.92 94 ePn 08 59.00 0.9
EDC 1.97 18 ePn 08 58.50 -0.2
KGT 1.98 5 ePn 08 59.00 0.1
BNT 1.99 19 ePn 08 59.00 0.0
ARG 2.40 160 ePb 09 07.00 2.1
ALT 2.43 75 ePn 09 05.00 -0.5
ALN 2.55 342 ePc 09 07.28 0.2
eS 09 48.96
IZI 2.62 44 ePn 09 08.20 0.0
ATH 2.70 260 ePb 09 16.80 7.5X
ELL 2.82 127 iPn 09 12.30 1.2
CTT 2.86 21 iPn 09 11.20 -0.3
RDO 2.92 336 ePn 09 10.30 -2.1
GBZT 2.94 37 ePn 09 31.40 18.8X
BCK 2.95 109 iPn 09 13.60 0.8
ISK 3.00 30 ePn 09 13.00 -0.4
HRT 3.08 40 iPn 09 13.50 -1.0
EYL 3.16 48 ePn 09 16.20 0.3
NPS 3.42 201 ePn 09 16.60 -2.8
KDZ 3.42 339 iPd 09 20.00 0.5
RZN 3.69 331 iPd 09 23.00 -0.5
is 10 05.00

SOH 3.72 310 ePd 09 23.84 0.1
VLI 3.73 243 ePn 09 22.40 -1.5
AGG 3.76 280 ePc 09 35.17 10.8X
DIM 3.77 342 iP 09 24.00 -0.3
SRS 3.77 316 ePc 09 24.24 -0.2
THE 3.85 305 ePc 09 25.96 0.5
LIT 3.92 296 iPc 09 27.06 0.5
JMB 4.01 355 iP 09 27.00 -0.7
MMB 4.04 321 iP 09 28.00 -0.3
PLD 4.06 334 eP 09 28.00 -0.4
KNT 4.20 311 ePd 09 30.92 0.5
GRG 4.38 306 iPd 09 35.82 2.7
VAY 4.49 311 ePn 09 35.20 0.6

KKB 4.57 319 eP 09 35.00 -0.8
PVL 4.92 345 iP 09 40.00 -0.7
VTS 5.07 326 iPc 09 43.00 0.1
OHR 5.51 301 ePn 09 52.10 2.9X
SKO 5.56 311 ePn 09 50.50 0.7
MLR 7.07 353 eP 10 21.00 10.0X
VRI 7.40 358 eP 10 18.00 2.4
NAO 24.59 341 P 13 45.50 -0.6
0.8s 2.00nm 3.8mb
S.D. = 1.1 on 40 of 45 obs.

* JUN 15, 1991 22h 19m 22.43±0.82s
15.023 N ±9.0km 120.074 E ±13.5km
DEPTH = 10.0km (geophysicist)
4.4mb (4 obs.)

LUZON, PHILIPPINE ISLANDS (249)

QVP 0.98 114 P 19 41.50 0.4
SZP 2.54 8 P 20 05.70 1.4
CVP 3.15 32 P 20 11.50 -1.5
BJI 25.16 353 eP 24 50.00 0.8
WRA 37.47 158 P 26 50.00 11.9X
0.8s 1.70nm
WB2 37.48 158 iPc 26 38.20 0.0
0.6s 7.60nm 4.6mb
ASPA 40.76 160 eP 27 05.50 0.0
0.7s 5.80nm 4.4mb
HFS 85.03 331 eP 31 59.00 -0.3
0.5s 1.10nm 4.3mb
NAO 86.07 332 P 32 03.60 -0.9
0.8s 1.60nm 4.2mb
S.D. = 1.1 on 8 of 9 obs.

& JUN 15, 1991 22h 29m 55.30s
61.776 N 149.634 W
DEPTH = 39.2km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.6 (AEIC).

PWA 0.17 223 iPd 30 02.59 0.3
S 30 08.97
PLRM 0.30 127 iPd 30 02.84 -0.7
S 30 09.91
GHO 0.34 90 iPd 30 03.55 -0.5
eS 30 10.45
PMS 0.53 176 iPc 30 06.08 -0.5
eS 30 13.74
SUA 0.62 240 ePd 30 07.16 -0.6
eS 30 17.61
SML 0.62 86 ePd 30 06.67 -1.0
S 30 15.82
KNK 0.67 122 iPd 30 07.71 -0.7
eS 30 17.85
CUT 0.70 335 iPc 30 07.97 -0.8
SKT 0.92 284 ePd 30 11.04 -0.9
SCM 1.10 86 iPd 30 13.55 -0.9
HUR 1.21 360 iPc 30 15.43 -0.5
eS 30 31.32
CGLM 1.23 249 ePd 30 16.27 -0.1
NCG 1.26 254 ePd 30 16.64 -0.2
S 30 33.60
NKA 1.29 217 eP 30 18.57 1.4
SLKM 1.30 193 eP 30 16.48 -0.9
S 30 33.27
SPU 1.31 244 ePd 30 17.04 -0.4
S 30 33.94
CRP 1.31 248 ePd 30 17.53 -0.1
BGL 1.42 250 eP 30 18.93 -0.1
eS 30 37.91
CKL 1.42 247 ePd 30 18.73 -0.4
S 30 37.35
GLI 1.52 125 ePc 30 19.30 -1.0
S 30 38.33
VZW 1.65 115 ePc 30 21.68 -0.6
S 30 41.58
TOA 1.67 77 eP 30 22.69 0.1
KNIM 1.70 146 iPc 30 20.98 -2.1
TRF 1.71 350 iPc 30 22.58 -0.7
VLZ 1.71 111 ePd 30 22.02 -1.1
eS 30 44.02
KLU 1.80 97 eP 30 23.53 -0.9
eS 30 45.77
RDT 1.81 229 eP 30 23.95 -0.6
DFR 1.90 233 eP 30 24.81 -1.1
S 30 49.03
LTI 1.95 153 ePc 30 24.37 -2.2
REF 1.97 230 ePc 30 25.40 -1.7

RDN 1.98 232 eP 30 26.52 -0.6
MCK 1.99 9 eP 30 26.78 -0.4
RSO 2.01 230 eP 30 26.08 -1.6
NCT 2.01 234 eP 30 27.30 -0.3
RS2 2.01 230 eP 30 26.13 -1.5
RDW 2.01 231 eP 30 26.92 -0.8
MTU 2.04 151 eP 30 25.70 -2.2
SDG 2.06 67 eP 30 28.14 -0.1
PAX 2.28 56 eP 30 31.41 0.0
HOM 2.34 206 eP 30 31.81 -0.4
CNPM 2.39 200 eP 30 33.37 0.5
BWN 2.41 2 eP 30 31.80 -1.3
TTA 3.19 294 eP 30 42.46 -1.8
FBA 3.24 14 eP 30 43.64 -1.3
MDM 3.26 11 eP 30 43.68 -1.5
GLM 3.38 16 eP 30 45.50 -1.5
TGL 3.44 104 eP 30 46.25 -1.7

47 obs. associated

JUN 15, 1991 23h 02m 14.37±0.48s
10.098 N ±2.8km 125.855 E ±3.2km
DEPTH = 71.0 ± 4.1 km
6.0mb (111 obs.)

LEYTE, PHILIPPINE ISLANDS (256)

Mo=2.0*10**18 Nm (PPT).

FAULT PLANE SOLUTION: P-Waves

NP1: Strike= 45 Dip=60 Slip= 90

NP2: 225 30 90

Principal Axes:

T Plg=75 Azm=315

P 15 135

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

RADIATED ENERGY

No. of sta: 4 Focal mech. M
Energy 1.3±0.4*10**13 Nm

MOMENT TENSOR SOLUTION

Dep 34 No. of sta: 9

Moment Tensor; Scale 10**18 Nm

Mrr= 1.82 Mtt=-0.35

Mff=-1.47 Mrt= 0.75

Mrf= 1.03 Mtf=-0.75

Principal axes:

T Vol= 2.23 Plg=72 Azm=314

N 0.01 5 210

P -2.24 17 118

Best Double Couple: Mo=2.2*10**18

NP1: Strike=201 Dip=28 Slip= 80

NP2: 32 62 95

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 235, 47C

Centroid Location:

Origin Time 23:02:14.2 0.3

Lat 10.10N 0.03 Lon 126.55E 0.03

Dep 35.0 BDY Half-duration 4.1

Moment Tensor; Scale 10**18 Nm

Mrr= 1.49 0.04 Mtt=-0.01 0.05

Mff=-1.48 0.07 Mrt= 0.01 0.09

Mrf= 0.46 0.08 Mtf=-0.05 0.05

Principal Axes:

T Vol= 1.56 Plg=81 Azm=270

N 0.00 0 2

P -1.56 9 92

Best Double Couple: Mo=1.6*10**18

NP1: Strike=182 Dip=36 Slip= 91

NP2: 2 54 90

DAV 3.00 185 iP- 03 02.00 1.4
BAG 8.11 321 eP 04 08.00 -3.9X
MNI 8.66 187 ePd 04 19.50 0.2
TSM 9.68 233 ePd 04 37.50 4.3X
ANP 15.56 345 iPc 05 52.00 1.0
is 08 48.00
QZH 16.30 336 iPc 05 58.00 -2.2
0.7s 100.00nm 5.1mb
Z 18s 33.30um 4.6msz
N 16s 21.10um
E 16s 10.70um

S 09 02.00
MKS 16.49 203 iPc 06 06.30 3.6X
1.0s 554.70nm 5.7mb
HKC 16.51 319 iP 06 04.40 1.5
eS 09 12.00

1

	1.0s	217.00nm	6.1mb	COL	79.38	26	iPc	14	12.73	-1.1	IZM	90.45	309	eP	15	09.50	-0.2			
		i	11 10.00				iS	24	08.30		PVL	90.72	314	iPc	15	11.00				
		e	16 10.00	FBA	79.38	26	ePc	14	13.60	-0.3	ALN	90.78	312	iPd	15	11.08	0.0			
		e	18 07.00		1.0s		80.00nm			5.6mb	BMR	90.81	319	iPd	15	13.00	1.0			
CAN	50.19	155	iPc	11	04.90	-0.2	TOA	80.21	28	ePc	14	19.60	1.2	EZN	90.83	311	eP	15	10.70	-0.6
PVC	50.23	123	iPc	11	07.00	1.4	MID	80.27	31	eP	14	20.30	1.7	TNR	90.83	317	ePc	15	12.00	0.7
CNB	50.34	155	iPd	11	05.70	-0.5	BISH	80.33	289	eP	14	21.90	2.0	DIM	90.87	313	iP	15	12.00	0.5
	0.9s	119.00nm				5.9mb	KLU	80.36	29	P	14	19.00	-0.2	NSS	90.88	337	eP	15	09.56	-1.5
		i	11 14.30	ABHA	80.41	287	iPc	14	23.30	2.7X	DAG	90.88	352	iPd	15	10.10	-0.8			
TOO	50.86	160	iPd	11	10.20	0.1	ARO	81.25	280	iP+	14	26.50	1.7		0.6s	139.33nm		6.5mb		
	0.5s	49.00nm				5.8mb	OBN	81.38	324	iPc	14	23.30	-1.3	PRK	91.01	310	eP	15	12.10	-0.1
		i	11 22.50					1.1s	312.00nm		6.2mb	KDZ	91.05	313	iPc	15	12.00	-0.4		
		i	16 16.20	Z	26s	5.50um					5.8mszX	RDO	91.09	312	eP	15	12.10	-0.4		
POO	50.94	286	iPc	11	08.80	-2.2	N	24s	2.00um			DRA	91.10	316	eP	15	13.00	0.5		
	0.8s	92.54nm				5.9mb	E	24s	4.50um			CEI	91.48	319	eP	15	17.00	2.8X		
		iS	18 26.40							15 24.00		DEV	91.69	317	ePc	15	17.00	1.8		
DZM	51.06	129	iPc	11	11.30	-0.6			eS	24 26.00		GZR	91.91	317	ePd	15	16.00	-0.4		
YAK	51.90	2	iPc+	11	17.10	-0.5			eSS	30 52.00		HFS	92.01	332	ePKP	15	15.00	-1.4		
		iPcP	12 25.00						eSSS	34 10.00			1.0s	176.00nm		6.4mb				
		iPP	13 08.00						e	44 32.00		Z	20s	3.63um		5.8msz				
		ePPP	14 06.00	GAZ	82.91	306	iP	14	35.80	2.9X		LR		51 43.00						
		eScP	16 31.00	KVT	83.31	310	iP	14	35.50	0.5	RGS	92.16	336	eP	15	16.20	-0.8			
		ePcS	16 34.00	KEV	83.65	340	iPc	14	35.49	-0.6	KRA	92.34	322	ePc	15	17.50	-0.6			
		iS	18 34.00		0.7s	37.40nm				5.5mb			1.0s	155.00nm		6.4mb				
		ePS	18 52.00	Z	18s	3.80um				5.8msz		Z	19s	3.40um		5.8msz				
		iScS	21 00.00						ePP	17 52.13		E	19s	4.00um						
		eSS	22 06.00						iS	24 51.87			i		15 19.00					
		eSSS	23 25.00						eS	24 56.17			i		15 25.50					
BOM	51.93	286	iP	11	18.80	0.4			e	25 12.00			e		19 05.00					
		eS	18 39.80						LR	56 34.00			eS		26 05.00					
KSH	53.02	312	iPc	11	25.00	-1.5	SOD	84.29	337	iP	14	39.80	0.5	SPC	92.43	321	eP	15	18.10	-0.7
N	15s	5.90um					INK	84.59	22	ePc	14	41.00	0.2	NPS	92.48	306	eP	15	18.00	-1.1
		sP	11 39.00					1.2s	385.00nm		6.3mb	SRS	92.52	312	ePc	15	18.14	-1.0		
		ePP	13 28.00						pP	15 00.00	69kmX	SOH	92.77	312	ePd	15	18.96	-1.4		
TAU	56.28	161	eP	11	49.00	-0.9	BHL	84.62	303	Pc	14	41.00	-0.8	NAO	93.00	334	P	15	19.00	-1.9
		e	19 22.00						S	25 06.00			1.1s	85.40nm		6.1mb				
SMY	57.52	33	eP	11	59.70	1.2	JARJ	84.62	302	P	14	43.90	2.1	KNT	93.01	313	ePc	15	19.88	-1.5
QUE	58.16	299	eP	12	03.30	-0.4	KBS	84.63	350	iPc	14	40.50	-0.4	PSZ	93.05	320	iP	15	21.70	0.1
	1.1s	108.86nm				5.9mb	HRI	84.64	303	iPc	14	42.80	0.9	THE	93.11	312	ePd	15	20.08	-1.7
		e	20 11.30				SHMJ	84.70	302	P	14	44.50	2.4	VAY	93.20	313	iP	15	20.50	-1.8
ADK	62.29	36	eP	12	31.90	0.7	KFNJ	84.90	301	P	14	43.70	0.6		1.2s	255.00nm		6.5mb		
	1.0s	120.00nm				6.0mb	TKTK	85.12	339	eP	14	43.24	-0.3	ATH	93.26	309	eP	15	21.80	-0.8
MAIO	65.06	305	iPc	12	49.20	-0.6	DSI	85.19	301	iPc	14	45.30	0.7	BSD	93.42	327	iPc	15	22.30	-0.7
	0.9s	77.15nm				5.6mb	AAE	85.61	278	eP	14	50.20	2.9X		1.0s	160.00nm		6.4mb		
		eS	21 34.00				FAM	85.80	305	eP	14	48.00	0.5	GRG	93.43	312	iPd	15	22.50	-0.9
MSZ	66.45	149	P	12	58.20	0.0	HQL	85.83	299	iPc	14	49.30	1.5	JNW	93.45	346	eP	15	24.90	2.0
		e	13 07.80				MBC	85.97	13	ePc	14	48.00	0.4	MOL	93.55	336	iP	15	23.55	0.1
THZ	67.27	144	eP	13	01.50	-2.2		1.3s	389.00nm		6.3mb	LIT	93.60	312	iPc	15	22.64	-1.5		
CNZ	67.34	140	eP	13	05.00	0.8	RMN	86.00	300	iPc	14	49.10	0.3	BUD	93.75	319	eP	15	24.90	0.2
NGZ	67.36	140	P	13	04.50	0.1	CSS	86.35	305	eP	14	50.00	-0.3	SKO	93.83	314	eP	15	24.00	-1.2
LTZ	67.55	145	eP	13	04.00	-1.4	SIT	86.37	33	eP	14	51.80	2.0		1.2s	107.00nm		6.2mb		
KNZ	68.05	144	eP	13	06.10	-2.3	TRO	86.40	340	eP	14	49.52	-0.3		i		15 25.50			
	0.7s	51.00nm				5.6mb	CRZF	86.44	222	eP	14	57.00	6.7X		i		19 14.00			
ANM	71.88	25	eP	13	32.10	0.7			ePP	18 22.00			i		25 30.00					
IR4	71.98	304	iPc	13	32.50	-0.3			eS	24 38.00			i		26 13.00					
IR1	72.16	304	iPc	13	34.00	0.2	NUR	86.75	331	iP	14	51.20	-0.4		i		28 00.00			
IR7	72.22	304	iPc	13	34.50	0.3		1.2s	456.70nm		6.5mb		i		32 50.00					
IR5	72.24	304	eP	13	34.20	-0.2	Z	18s	4.10um		5.9msz		i		33 30.00					
SDN	72.46	35	eP	13	34.50	-0.5			e	25 24.00			i		37 00.00					
DHR	72.85	294	iPc	13	38.00	0.2			LR	57 28.00		AGG	94.02	311	ePd	15	23.40	-2.8		
KIP	73.55	71	eP	14	01.15	19.2X	PPCY	87.16	305	eP	14	53.50	-0.6	KZN	94.07	312	eP	15	25.10	-1.3
		eS	23 12.59				EYL	87.80	311	eP	14	57.20	-0.1	YKA	94.08	24	eP	15	25.60	-0.3
		eScS	23 50.00				HRT	88.12	311	iP	14	59.70	1.0		1.1s	81.00nm		6.1mb		
KER	75.12	303	eP	13	51.00	-0.1	ALT	88.13	309	iP	14	59.00	0.1	SRO	94.09	320	iPKP	15	25.60	-0.6
TAB	75.63	307	iPc	13	54.50	0.6	IAS	88.25	318	eP	14	59.00	-0.1	VLI	94.20	308	eP	15	24.70	-2.2
TTA	75.67	28	ePc	13	53.80	0.3	CFR	88.29	315	eP	15	06.00	6.7X	FNA	94.22	313	ePd	15	25.12	-1.9
	1.3s	198.11nm				5.9mb	AKSR	88.58	294	eP	15	02.00	0.9	KSP	94.26	323	ePc	15	26.50	-0.5
SVW	75.68	29	ePc	13	54.60	1.1		1.5s	438.60nm		6.4mb			1.2s	120.00nm		6.2mb			
RYD	76.14	293	iPd	13	57.50	0.6	PSN	88.60	314	iPc	15	02.00	1.1		i		15 27.80			
PDB	76.28	31	P	13	56.00	-0.9	ASW	88.62	294	iPc	15	03.00	1.7	UZD	94.33	319	iP	15	28.60	1.3
BRW	76.46	19	eP	13	58.80	1.1			eS	25 00.00		OHR	94.54	313	iP	15	25.60	-2.9		
PAF	76.61	214	eP	14	12.00	13.2X	KHL	88.73	309	eP	15	01.00	-0.8		1.1s	148.00nm		6.3mb		
		eS	24 36.00				ELL	88.75	307	iP	15	00.00	-1.1		e		32 20.50			
		eSS	28 44.00				LOF	88.77	340	eP	14	59.60	-1.6		i		32 48.00			
IMA	76.96	24	ePc	14	01.80	1.0	AGMR	89.03	294	eP	15	04.30	1.0	PHP	94.62	314	eP	15	27.60	-1.2
	1.0s	150.00nm				5.9mb		1.5s	487.00nm		6.5mb		IVA	94.64	315	iPc	15	29.18	0.2	
CSY	77.01	186	eP	14	00.60	-0.1	MOR7	89.10	338	eP	15	01.05	-1.8	PVY	94.68	315	iPc	15	28.94	-0.3
	0.9s	180.00nm				6.0mb	VRI	89.12	316	eP	15	03.00	-0.3	ZST	94.72	321	i(PKP)	15	29.20	0.1
KDC	77.07	33	eP	14	01.90	0.6	NAI	89.29	269	iP+	15	08.50	3.5X	PLE	94.85	315	iPc	15	30.71	0.7
DRV	77.26	174	P	14	02.10	0.0	MAW	89.40	200	eP	15	04.00	-0.1	TIR	95.14	313	eP	15	30.50	-0.7
		PP	17 11.00					1.3s	263.00nm		6.3mb	LACI	95.16	314	eP	15	30.40	-0.9		
		S	24 30.00				MLR	89.74	316	iPc	15	06.00	-0.4	VKA	95.19					

15d 23h

TTG	95.23	315	iPc	15	30.49	-1.1	ARV	99.18	317	P	15	50.10	0.6	PZZ	102.55	320	Pdiff	16	03.30	-1.4	
NKY	95.29	315	iPc	15	31.81	-0.2	SDI	99.28	315	P	15	49.60	-0.4	RRL	102.55	320	Pdiff	16	05.25	0.4	
IGT	95.36	312	iPc	15	30.52	-1.7	AQU	99.31	316	P	15	51.00	0.8	BNI	102.56	321	Pdiff	16	05.20	0.5	
ULC	95.38	314	iPc	15	31.88	-0.5	RFI	99.31	315	P	15	50.30	0.2	SBF	102.63	319	ePdiff	16	03.80	-1.2	
VLS	95.57	310	eP	15	32.50	-0.8	WDC	99.40	46	ePc	15	51.20	0.7		0.9s		13.10nm			5.7mb	
BRV	95.58	315	iPc	15	32.08	-1.3	ASS	99.54	317	P	15	54.25	3.1X	FRI	102.81	48	ePdiff	16	06.80	1.0	
BDV	95.58	315	iPc	15	32.58	-0.6		1.1s		34.50nm			5.8mb	LOR	103.17	324	ePdiff	16	06.60	-0.6	
PRU	95.62	323	P	15	33.00	-0.2	LBFM	99.56	45	P	15	52.00	0.4		1.2s		35.70nm			6.0mb	
	1.2s		95.70nm			6.2mb	SFI	99.73	318	P	15	53.30	1.4	Z	18s		4.00um			6.0Msz	
Z	19s		3.30um			5.8Msz	NEW	99.75	37	P	15	52.00	-0.1	LBF	103.24	323	ePdiff	16	07.00	-0.6	
N	18s		3.00um					1.0s		27.50nm			5.8mb		1.3s		32.50nm			5.9mb	
E	19s		2.20um				CRE	99.79	318	P	15	52.70	0.3	FRF	103.28	319	ePdiff	16	07.00	-0.8	
			e		15	44.50	MNS	99.80	316	P	15	51.97	-0.4		1.3s		28.90nm			5.9mb	
BRG	95.63	324	iP	15	34.00	0.8		0.3s		2.10nm			5.2mb	BONR	103.45	47	Pdiff	16	10.00	0.9	
	1.3s		140.00nm			6.3mb	PGD	99.84	318	P	15	53.70	1.0	LMR	103.48	319	ePdiff	16	07.90	-0.7	
Z	20s		2.50um			5.7Msz	SAL	99.88	320	P	15	53.70	1.1		1.1s		14.65nm			5.7mb	
N	20s		3.00um				MNO	100.05	312	Pdiff	15	54.00	0.2	SSF	103.48	324	ePdiff	16	08.30	-0.3	
E	20s		3.50um				GWf	100.13	324	Pdiff	15	53.99	0.3		1.2s		20.85nm			5.8mb	
			i		19	21.00	BUL	100.15	251	iPdiff	15	52.00	-1.8	SMF	103.50	323	ePdiff	16	08.00	-0.7	
			e		20	05.00		1.0s		38.50nm			6.0mb		1.0s		19.00nm			5.9mb	
			e		26	00.00					20	02.30		LRG	103.51	319	ePdiff	16	08.40	-0.4	
			e		28	24.00	PZI	100.21	311	Pdiff	15	54.61	0.3		1.3s		32.50nm			6.0mb	
KEK	95.70	312	eP	15	32.10	-1.7		0.6s		9.50nm			5.6mb	Z	20s		5.50um			6.1Msz	
HCY	95.76	315	iPc	15	33.34	-0.7	ENN	100.22	326	ePdiff	15	54.00	0.1	AVF	103.71	323	ePdiff	16	08.90	-0.7	
CLL	95.99	324	iP	15	34.90	0.0		1.0s		101.00nm			6.4mb		1.1s		17.10nm			5.8mb	
	1.5s		145.00nm			6.3mb	MME	100.38	319	Pdiff	15	56.70	1.6	LRM	103.73	38	ePdiff	16	11.20	1.2	
Z	19s		3.00um			5.8Msz	FEL	100.42	323	Pdiff	15	54.97	-0.1	FFC	103.98	26	ePdiff	16	11.00	0.4	
PTJ	96.28	319	eP	15	35.80	-0.6	ORV	100.52	47	ePdiff	15	56.30	0.7		1.4s		48.00nm			6.2mb	
ZAG	96.29	319	Pc	15	36.50	0.2	WLS	100.55	323	Pdiff	15	55.78	0.2	BGF	104.13	323	ePdiff	16	11.00	-0.5	
KHC	96.54	322	iP	15	37.00	-0.5	CDF	100.60	323	Pdiff	15	55.83	0.0		1.0s		10.00nm			5.7mb	
	1.0s		54.00nm			6.0mb	BRK	100.60	48	ePdiff	15	57.00	1.1	TNP	104.18	47	Pdiff	16	13.00	0.8	
Z	20s		3.00um			5.8Msz	BKS	100.62	48	ePdiff	15	57.30	1.2	ISA	104.26	49	ePdiff	16	12.32	-0.1	
N	20s		1.30um					Z	20s		3.40um			ePP			20	31.93			
E	20s		2.30um					N	20s		1.10um			MAF	104.47	323	ePdiff	16	12.70	-0.3	
			e		15	51.50		E	20s		2.60um				1.1s		14.65nm			5.9mb	
			e		26	30.00	ISKS				23	26.32		TCF	104.65	323	ePdiff	16	13.60	-0.2	
GMW	96.59	39	P	15	39.00	1.3	ePS				28	54.00			1.1s		11.00nm			5.7mb	
KMR	96.62	321	iP+	15	38.20	0.4	ePKP				32	24.00		LDF	104.70	326	ePdiff	16	14.40	0.4	
BMW	96.72	41	P	15	39.00	0.6	eSS				33	56.00		FLN	104.80	327	ePdiff	16	14.40	0.0	
LCI	96.84	313	P	15	38.00	-0.9	eSSS				37	55.00			Z	19s		8.25um		6.3Msz	
VBY	96.88	318	ePc	15	40.00	1.0	eLO				43	58.00		CLC	104.85	49	ePdiff	16	16.00	1.0	
MTD	96.91	254	iPd	15	39.00	-0.7	eLR				47	14.00		LSF	105.06	324	ePdiff	16	15.30	-0.4	
HVAR	96.93	316	eP	15	38.00	-0.5	WLF	100.64	325	iPdiff	15	56.24	0.4		1.3s		18.05nm			5.9mb	
WET	96.95	322	eP	15	39.10	-0.2	PCC	100.65	49	ePdiff	16	01.20	5.0X	PAS	105.09	51	ePdiff	16	15.84	-0.2	
			i		15	40.90	PII	100.69	318	Pdiff	15	55.90	-0.3	SBB	105.14	50	ePdiff	16	18.00	1.7	
HOF	97.06	324	eP	15	40.60	0.8	ECH	100.76	323	Pdiff	15	56.47	0.0	GRR	105.22	326	ePdiff	16	13.80	-2.5	
	1.2s		85.00nm			6.2mb	GDH	100.85	360	ePdiff	15	58.02	1.7	CAF	105.45	322	ePdiff	16	17.40	-0.1	
MOX	97.07	324	iP	15	40.50	0.7		iPP			20	04.56			1.2s		26.80nm			6.1mb	
	1.4s		120.00nm			6.2mb		eHPP			20	05.55		LPF	105.53	326	ePdiff	16	17.40	-0.2	
LJU	97.15	319	ePc	15	40.00	-0.2	VAI	100.88	321	Pdiff	15	56.80	-0.1		1.2s		29.75nm			6.2mb	
BRT	97.20	314	P	15	40.30	-0.2	BBS	100.91	323	Pdiff	15	57.03	-0.2	FRB	105.56	7	ePdiff	16	18.00	0.7	
RMW	97.24	39	P	15	41.20	0.5	BOB	100.94	319	Pdiff	15	58.20	0.8	RJF	105.58	323	ePdiff	16	18.10	0.1	
CEY	97.33	319	ePc	15	40.50	-0.6	MOF	100.95	323	Pdiff	15	57.33	-0.1		1.1s		24.40nm			6.1mb	
COR	97.38	42	ePc	15	42.85	1.6	FAI	101.04	311	Pdiff	15	59.30	1.4	Z	18s		3.75um			6.0Msz	
CIR	97.51	250	iPd	15	43.30	1.1	GCC	101.11	49	ePdiff	16	01.30	3.1X	GSC	105.65	49	ePdiff	16	21.53	2.9X	
RIY	97.51	319	eP	15	41.60	-0.2	BSF	101.16	323	Pdiff	15	57.95	-0.4				eSKS		27	00.37	
LON	97.52	40	P	15	42.30	0.3	MHC	101.25	49	ePdiff	15	59.00	-0.1				e		27	09.31	
VOY	97.56	319	ePc	15	41.30	-0.9	HAU	101.34	323	ePdiff	15	58.40	-0.7				e		27	17.59	
GRF	97.71	323	iPc	15	43.10	0.4		1.1s		14.65nm			5.6mb				ePS		29	46.24	
Z	22s		2.90um			5.7Msz		Z	20s		3.75um			MFF	105.84	325	ePdiff	16	19.10	0.0	
TRI	97.77	319	eP	15	42.00	-1.0	LOMF	101.37	323	Pdiff	15	58.81	-0.5		1.1s		29.30nm			6.2mb	
			e		19	44.00	VITF	101.45	324	Pdiff	15	59.21	-0.3	LPO	106.11	322	ePdiff	16	20.20	-0.1	
			e		28	41.00	ORX	101.47	321	Pdiff	15	59.10	-0.7		1.1s		14.65nm			5.9mb	
			eLR		49	30.00	PCP	101.61	320	Pdiff	15	59.92	-0.5	NVL	107.29	198	ePdiff	16	27.00	2.1	
PNT	97.81	37	eP	15	44.00	0.9	PRS	101.83	50	ePdiff	16	02.20	0.7				e		20	54.00	
	1.1s		32.00nm			5.8mb	CKI	101.84	320	Pdiff	16	01.60	0.3				eSKS		26	58.00	
ORI	98.02	313	P	15	44.90	0.7	CMB	101.91	48	ePdiff	16	01.76	-0.1				eS		27	07.00	
FVI	98.05	320	P	15	44.30	0.1				eHPP		20	09.62					e		27	20.00
ROI	98.10	313	P	15	45.60	0.9				ePP		20	11.77					ePS		27	47.00
CSI	98.23	313	P	15	45.60	0.4	FIN	101.98	319	Pdiff	16	01.25	-0.8				e		30	14.00	
TDS	98.24	313	P	15	45.30	0.1	LSO	102.07	321	Pdiff	16	02.89	0.2	MSU	107.52	44	Pdiff	16	28.50	1.4	
FUR	98.33	322	eP	15	45.40	-0.1	SES	102.14	33	ePdiff	16	02.00	-0.6	ETOR	110.23	320	ePKP	20	41.40	1.2	
	1.2s		206.00nm			6.5mb	RSP	102.15	321	Pdiff	16	00.63	-2.2	GOL	111.40	40	PKP	20	45.00	2.3	
GRI	98.47	312	P	15	46.34	0.0	ROB	102.16	320	Pdiff	16	01.56	-1.3		Z	22s		2.94um			5.8Msz
	1.1s		93.00nm			6.2mb	EKA	102.20	333	Pdiff	16	03.00	0.4								
VVI	98.52	320	P	15	46.80	0.4		1.4s		78.90nm			6.2mb	GUD	111.64	321	ePKP	20	43.40	0.5	
CZI	98.54	312	P	15	46.10	-0.4	PGF	102.20	318	ePdiff	16	02.30	-0.8	EVIA	111.73	319	ePKP	20	44.00	0.9	
MGR	98.63	313	P	15	46.10	-0.9		1.0s		32.00nm			6.0mb	EMON	111.81	325	ePKP	20	44.5		

AVE 118.04 316 iPKPd 20 56.00 0.8
 MEO 118.67 41 iPKPd 20 57.00 0.6
 TIO 119.29 314 iPKP 20 58.50 0.7
 TUL 119.71 38 ePKP 20 57.90 -0.4
 CCM 120.87 34 ePKPd 17 23.08 -3.1X
 eSKKS 29 19.44
 ePS 32 10.35
 FVM 121.37 33 PKP 21 01.00 -0.4
 ELC 122.52 33 PKP 21 03.00 -0.6
 OLY 122.56 36 PKP 21 04.00 0.3
 WVLY 123.11 21 PKP 21 04.20 -0.4
 SCP 124.83 22 ePKPc 21 05.79 -2.2
 ePP 22 52.88
 TBR 125.76 19 PKP 21 10.00 0.2
 LVNJ 125.89 19 PKP 21 08.00 -2.0
 PNJ 125.99 19 PKP 21 11.60 1.4
 GMTN 126.01 19 iPKP 21 10.80 0.5
 TKL 126.58 30 PKP 21 11.00 -0.6
 BLA 126.87 26 PKP 21 11.00 -1.1
 CVL 127.04 24 PKP 21 12.40 0.1
 TPM 127.12 57 (PKP) 21 15.00 1.8
 NA2 127.20 23 PKP 21 12.00 -0.6
 CBN 127.27 23 iPKPc 21 14.00 1.3
 1.0s 31.00nm

LKO 127.89 290 PKP 21 13.82 -0.8
 1.0s 110.00nm
 KIC 128.15 286 PKP 21 15.28 0.1
 TIC 128.32 287 PKP 21 15.32 -0.2
 LIC 128.46 286 PKP 21 15.72 0.0
 PRM 128.53 30 PKP 21 16.00 0.7
 JSC 128.91 29 PKP 21 16.00 0.0
 SGS 130.16 29 PKP 21 19.40 1.0
 UPA 148.41 54 iPKPc 21 51.60 0.0
 Z 22s 1.93um 5.8msz

LRS 149.13 24 ePKP 21 53.00 0.3
 PORP 149.43 24 ePKP 21 54.00 0.9
 LPR 149.49 22 ePKP 21 58.00 4.7X
 SJG 149.57 23 ePKP 21 54.00 0.6
 CPD 149.72 23 ePKP 21 54.00 0.4
 CPB 151.41 15 ePKP 21 57.69 1.6
 LNV 151.46 149 ePKP 21 56.50 0.8
 NEV 151.69 17 ePKP 22 04.09 7.6X
 TACH 151.94 149 ePKP 21 57.00 0.5
 BPA 151.97 16 ePKP 21 57.79 0.8
 IHA 152.06 147 ePKP 21 58.00 1.4
 MGH 152.18 17 ePKP 22 05.26 8.0X
 PEL 152.47 149 ePKP 21 58.00 0.7
 i 22 05.50

PSO 154.35 65 ePKP 22 03.50 2.6
 BMG 154.58 49 iPKPd 22 03.00 2.2
 SDV 155.00 42 ePKP 22 02.80 1.4
 LPA 155.06 173 ePKP+ 22 02.00 1.3
 Z 20s 1.42um 5.8msz

FUO 155.10 52 ePKP 22 00.00 -1.8
 BOG 155.35 55 iPKP 22 04.00 1.9
 ePP 26 04.00

NNA 157.64 97 iPKPd 22 06.50 1.8
 1.2s 67.19nm
 Z 20s 3.19um 6.2msz

ARE 161.98 112 ePKP 22 12.00 2.5
 BMA 164.24 216 ePKP 22 13.40 2.1
 CNCB 164.99 118 PKP 22 15.00 2.2
 i 23 12.00

LPB 165.00 117 PKP 22 15.20 2.6
 1.0s 84.00nm
 Z 24s 4.65um

LR 19 30.00
 i 23 09.00
 PP 26 43.00
 ZOBO 165.07 116 iPKPc 22 12.88 0.0
 1.2s 111.49nm

LR 19 06.00
 ePKPob 23 09.32
 VAO 165.45 207 ePKP 22 14.40 2.0
 e 23 12.30

CCH 166.28 123 PKP 22 16.00 2.5
 PPD 167.83 193 ePKP 22 15.80 1.6
 e 23 21.00

SIV 171.06 132 PKP 22 16.40 0.3
 BAO 171.86 227 ePKPd 22 17.50 0.9
 S.D. = 1.1 on 427 of 456 obs.

? JUN 15, 1991 23h 40m 54.00 ± 3.62s
 13.189 N ± 19.1km 142.954 E ± 37.1km
 DEPTH = 79.6 ± 27.3 km

4.6mb (4 obs.) SOUTH OF MARIANA ISLANDS (210)

GUMO 1.90 78 eP 41 25.20 0.1
 eS 41 44.70
 PJG 1.90 78 eP 41 25.20 0.1
 WB2 34.00 195 iPc 47 32.60 0.3
 0.2s 5.40nm 5.1mb
 ASPA 37.68 194 eP 48 04.00 0.5
 0.9s 4.50nm 4.4mb
 DZM 41.94 146 iPc 48 36.80 -1.9
 INK 75.45 22 eP 52 30.50 -0.2
 YKA 84.07 27 eP 53 16.70 -0.2
 0.4s 1.30nm 4.3mb
 TNP 89.54 51 P 53 43.90 -0.4
 1.0s 7.25nm 4.8mb
 KIC 142.49 299 PKP 00 17.80 -2.6
 ZOBO 149.80 100 PKP 00 33.90 0.9
 LPB 149.82 100 PKP 00 34.00 1.2
 CNCB 149.92 101 PKP 00 34.80 1.7
 SIV 156.59 100 PKP 00 42.20 0.4
 S.D. = 1.3 on 13 of 13 obs.

% JUN 15, 1991 23h 55m 31.95 ± 0.70s
 44.978 N ± 4.2km 8.167 E ± 5.8km
 DEPTH = 5.0km (geophysicist)

NORTHERN ITALY (545)

PCP 0.51 148 P 55 42.37 0.1
 S 55 49.45
 CKI 0.56 172 P 55 42.50 -0.6
 eSg 55 52.00
 BHB 0.66 258 P 55 45.36 0.3
 S 55 54.17
 ORX 0.67 349 P 55 45.76 0.5
 S 55 54.68
 RSP 0.67 285 P 55 45.14 -0.2
 S 55 53.76
 ROB 0.72 197 P 55 46.78 0.5
 S 55 56.22
 FIN 0.77 178 P 55 47.40 0.0
 S 55 57.25
 LSD 0.86 304 P 55 48.53 -0.6
 S 55 59.30
 PZZ 0.89 238 P 55 49.35 -0.3
 S 56 00.43
 ENR 0.92 216 P 55 50.79 0.7
 S 56 02.79
 IMI 1.09 191 P 55 52.53 -0.4
 S 56 06.79
 S.D. = 0.5 on 11 of 11 obs.

& JUN 16, 1991 00h 22m 49.15s
 61.473 N 149.952 W
 DEPTH = 35.4km

SOUTHERN ALASKA (2)

<AEIC>. ML 3.7 (AEIC).

PWA 0.18 11 iPd 22 56.10 0.3
 PMS 0.30 140 iPc 22 57.06 0.0
 SUA 0.38 269 iPc 22 58.10 -0.1
 eS 23 04.65
 PLRM 0.41 73 iPd 22 57.75 -0.7
 eS 23 04.79

PMR 0.41 73 iPd 22 58.30 -0.2
 GH0 0.58 58 iPd 23 00.08 -0.8
 eS 23 08.77

KNK 0.72 94 iPc 23 02.19 -0.7
 SML 0.84 66 ePc 23 03.60 -1.1
 SKT 0.91 305 iPc 23 04.57 -1.0
 eS 23 17.00

CUT 0.95 351 iPd 23 05.16 -0.9
 NKA 0.96 221 ePd 23 07.17 0.9
 SLKM 0.98 188 ePc 23 05.29 -1.3
 CGLM 1.00 261 iPc 23 06.36 -0.6
 SPU 1.06 255 iPc 23 06.89 -0.8
 eS 23 20.47

NCG 1.06 267 iPc 23 07.24 -0.6
 CRP 1.08 260 iPc 23 07.58 -0.6
 CKL 1.18 257 iPc 23 08.85 -0.8
 BGL 1.19 261 iPc 23 08.99 -0.7
 S 23 25.70

SCM 1.30 73 iPc 23 10.69 -0.7
 eS 23 28.13

SEW 1.40 170 eP 23 11.15 -1.4
 RDT 1.50 234 iPc 23 13.04 -1.1
 eS 23 32.81

GLI 1.51 112 iPc 23 12.83 -1.4
 S 23 32.76
 HUR 1.52 5 ePd 23 14.03 -0.4
 eS 23 33.46
 KNIM 1.56 135 ePc 23 12.71 -2.3
 NNL 1.58 205 ePd 23 15.13 -0.1
 DFR 1.60 238 iPc 23 14.66 -0.9
 REF 1.66 235 ePc 23 15.77 -0.9
 RDN 1.67 236 ePc 23 15.56 -1.2
 VZW 1.69 103 iPc 23 15.76 -1.2
 RSO 1.70 235 ePc 23 16.28 -0.9
 RS2 1.70 235 eP 23 16.35 -0.8
 RDW 1.71 236 ePc 23 16.40 -0.9
 NCT 1.71 239 iPc 23 16.49 -0.8
 RED 1.74 234 iPc 23 16.71 -0.8
 eS 23 37.56
 LTI 1.77 143 ePc 23 15.43 -2.5
 BRLLK 1.78 195 eP 23 16.57 -1.5
 S 23 39.44
 VLZ 1.78 100 iPc 23 16.68 -1.4
 eS 23 39.23

MTU 1.87 142 eP 23 17.12 -2.3
 TOA 1.90 69 iPc 23 20.20 0.3
 KLU 1.93 88 iPc 23 18.94 -1.4
 eS 23 43.09

TRF 1.99 356 ePc 23 20.51 -0.8
 HOM 2.00 205 ePc 23 20.39 -0.9
 RND 2.01 14 eP 23 21.19 -0.2
 CNPM 2.05 199 iPd 23 20.50 -1.5

XLV 2.21 204 eP 23 22.45 -1.7
 TZL 2.23 73 iPc 23 24.00 -0.5
 MCK 2.32 11 eP 23 25.94 0.2
 SDG 2.33 61 eP 23 25.31 -0.7

PAX 2.58 52 eP 23 29.38 -0.2
 PDB 2.69 233 ePd 23 29.25 -1.7
 AUE 2.72 220 eP 23 31.77 0.4
 BWN 2.72 4 eP 23 30.53 -0.9

MID 2.72 137 eP 23 34.90 3.4
 AUH 2.73 221 eP 23 32.17 0.5
 AUI 2.75 220 eP 23 31.16 -0.7
 THY 2.76 43 eP 23 30.09 -2.0

SVW 2.76 265 iPc 23 31.10 -1.0
 GLB 2.95 88 ePc 23 32.36 -2.4
 SYI 3.12 204 eP 23 34.83 -2.3
 WRH 3.13 15 eP 23 36.92 -0.3

NEA 3.14 7 eP 23 36.83 -0.6
 CDD 3.15 217 ePc 23 36.08 -1.5
 MCNL 3.17 225 eP 23 36.08 -1.7
 TTA 3.19 300 ePc 23 37.00 -1.3

CCB 3.33 16 eP 23 39.22 -0.9
 RDS 3.47 13 eP 23 40.77 -1.2
 DOT 3.49 49 eP 23 43.42 1.0

TGL 3.53 99 eP 23 40.95 -2.1
 FBA 3.58 15 eP 23 43.70 0.1
 MDM 3.59 12 eP 23 42.30 -1.4

BALM 3.70 93 ePc 23 42.50 -3.0
 GLM 3.71 17 eP 23 44.60 -1.0
 TMW 3.73 57 eP 23 45.76 -0.1

KDC 3.95 200 eP 23 48.60 -0.3
 IMA 4.90 342 ePd 24 01.20 -1.3
 INK 9.75 38 P 25 09.00 -1.0
 0.9s 1.70nm 4.3mb

76 obs. associated

% JUN 16, 1991 00h 37m 00.24 ± 0.81s
 43.245 N ± 6.2km 12.612 E ± 9.5km
 DEPTH = 10.0km (geophysicist)

CENTRAL ITALY (381)

ASS 0.18 168 P 37 03.40 -0.9
 eSg 37 07.80
 ARV 0.35 43 P 37 07.50 0.0
 eSg 37 13.50

CRE 0.61 309 P 37 12.50 -0.2
 eSg 37 20.70
 MNS 0.86 177 P 37 17.80 0.9
 eSg 37 27.60

SFI 0.87 321 P 37 17.10 0.1
 eSg 37 31.00

S.D. = 0.9 on 5 of 5 obs.

? JUN 16, 1991 00h 59m 41.13 ± 2.04s
 16.106 N ± 19.9km 97.238 W ± 9.4km
 DEPTH = 33.0km (normal)

OAXACA, MEXICO (60)

VHO 1.07 27 (P) 00 00.00 -0.1

16d 01h

		(S)	00 17.00	
OXX	1.09	27 iP	00 00.09	-0.2
		iS	00 18.17	
PBJ	1.79	79 iP	00 11.00	0.8
		(S)	00 45.00	
ACX	2.63	287 (P)	00 21.00	-1.2
		(S)	00 49.00	
IISM	2.87	357 iP	00 27.18	1.6
		(S)	01 01.00	
IIT	3.07	341 iP	00 30.49	1.7
		(S)	01 08.33	
III	3.10	317 iP	00 31.00	1.9
		(S)	01 09.00	
PPM	3.23	336 iP	00 29.26	-1.9
		(S)	01 11.94	
IIA	3.32	336 iP	00 31.48	-0.4
		(S)	01 17.95	
TPM	3.35	329 (P)	00 32.50	-0.1
		(S)	01 16.00	
LVVM	3.69	12 (P)	00 48.01	10.8X
TAC	3.77	331 (P)	00 50.00	11.3X
		(S)	01 37.00	
MRX	5.19	314 (P)	01 22.52	23.9X
		(S)	02 16.75	

S.D. = 1.4 on 10 of 13 obs.

% JUN 16, 1991 01h 11m 44.00 ± 0.42s
 40.062 N ± 3.8km 27.917 E ± 4.0km
 DEPTH = 13.3 ± 3.5 km

TURKEY (366)
 MD 3.3 (ISK).

EDC	0.29	352 iPg	11 51.00	0.0
		eSg	11 55.50	
BNT	0.29	0 iPg	11 51.20	0.0
KGT	0.61	310 iPg	11 57.20	0.4
		eSg	12 05.70	
MFT	0.87	326 iPg	12 01.50	0.2
		eSg	12 14.00	
CTT	1.15	20 iPn	12 06.20	0.2
IZI	1.22	77 iPn	12 07.20	-0.1
EZN	1.25	260 ePn	12 07.70	0.1
ISK	1.33	41 ePn	12 09.00	0.1
HRT	1.54	60 ePn	12 11.50	-0.4
IZM	1.74	197 ePn	12 15.00	0.2
EYL	1.79	73 ePn	12 16.50	0.9
ALT	1.97	120 ePn	12 19.00	0.7
KHL	2.14	144 ePn	12 20.80	0.1

S.D. = 0.4 on 13 of 13 obs.

* JUN 16, 1991 01h 48m 37.14 ± 0.72s
 26.049 S ± 6.3km 70.873 W ± 13.0km
 DEPTH = 44.3km (3 depth phases)
 5.0mb (2 obs.)

NEAR COAST OF NORTHERN CHILE (122)

ANT	2.37	10 iPc	49 14.50	0.1
		iS	49 48.30	
RTRS	4.29	163 ePd	49 44.90	3.3X
SLA	5.04	76 ePc	49 55.00	2.7
RTLL	5.67	159 iPc	50 02.60	1.5
		(S)	50 49.50	
RTCB	5.72	162 ePd	50 04.60	2.8
ZON	5.81	161 eP	50 11.00	8.0X
JACH	6.61	178 eP	50 18.50	4.1X
PEL	7.07	179 eP	50 19.00	-1.8
		i	51 48.00	
PCH	7.55	178 eP	50 28.00	0.5
TACH	7.58	180 eP	50 25.00	-2.8
LNV	7.89	183 eP	50 31.00	-1.2
ARE	9.56	356 eP	50 54.00	-1.4
		iS	52 37.00	
CNCB	9.58	17 P	50 56.00	0.0
CCH	9.68	28 P	51 15.50	18.4X
LPB	9.81	16 P	51 12.00	12.9X
ZOBO	10.06	15 P	51 01.00	-1.6
		i	51 24.70	
SIV	13.55	44 P	51 43.60	-5.4X
PPD	18.31	82 eP	52 48.50	-1.0
		e	53 01.00	
VAO	21.95	87 eP	53 28.20	-0.7
		e	53 39.60	45km
BAO	23.72	69 ePc	53 45.10	-1.2
BMA	24.55	88 eP	53 53.30	-0.9
		e	54 06.30	53km
ANMO	69.39	329 P	59 45.00	2.3
LIC	71.40	73 Pc	59 54.90	-0.2

TIC	71.62	73 P	59 56.40	0.0
KIC	71.72	73 Pc	59 57.00	0.0
		0.5s	9.00nm	5.0mb
LKO	72.60	70 P	00 01.92	-0.3
		0.8s	18.00nm	5.1mb
TNP	77.19	324 P	00 30.20	1.9
		pP	00 40.90	35km
GBA	147.81	106 PKPc	08 18.00	1.5
		1.0s	6.70nm	

S.D. = 1.6 on 22 of 28 obs.

JUN 16, 1991 02h 07m 41.02 ± 0.16s
 15.198 N ± 3.3km 120.332 E ± 3.7km
 DEPTH = 10.0km (geophysicist)
 5.7mb (67 obs.) 5.2MsZ (17 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

Felt in Zambales Province and at
 Manila.

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 23C

Centroid Location:

Origin Time 02:07:48.7 0.8

Lat 15.20N FIX; Lon 120.45E FIX

Dep 15.0 FIX Half-duration 2.0

Moment Tensor; Scale 10**17 Nm

Mrr= 0.52 0.07 Mtt= 0.24 0.09

Mff=-0.77 0.07 Mrt=-0.61 0.26

Mrf= 1.33 0.20 Mtf=-0.18 0.13

Principal Axes:

T Val= 1.63 Plg=52 Azm=229

N -0.01 17 342

P -1.62 33 83

Best Double Couple: Mo=1.6*10**17

NP1: Strike=220 Dip=20 Slip= 149

NP2: 339 80 73

OVP	0.87	131 P	07 59.40	1.7
OCP	0.91	128 eP	08 00.00	1.6
BAG	1.23	11 iPc	08 03.00	-1.0
TGY	1.24	152 P	08 06.50	2.5
SZP	2.34	3 P	08 23.60	3.4X
CVP	2.87	30 P	08 30.50	2.8
PPR	5.61	196 P	09 09.60	3.0
MAP	6.01	143 P	09 17.50	5.3X
HKC	9.16	321 iP	09 51.80	-4.4X
DAV	9.56	147 ePc+	10 06.00	4.2X
		2.0s	1364.71nm	7.0mb X
OZH	9.83	351 Pd	10 07.50	2.1
		1.0s	68.00nm	6.0mb
Z	16s	11.20um		5.3MsZ
N	16s	7.00um		
		sP	10 16.00	
		S	11 57.00	
		sS	12 07.00	

ANP	10.00	6 eP	10 12.00	4.1X
GZH	10.25	321 eP	10 11.80	0.5
		Z	14s	10.60um
		N	13s	5.00um
		E	13s	8.90um
				S
QIZ	10.73	292 eP	10 15.00	-2.8
		N	14s	6.10um
		E	16s	14.10um
SSE	15.84	3 Pc	11 27.00	1.3
		1.6s	190.00nm	5.0mb
		Z	20s	5.10um
		N	15s	4.70um
		E	14s	1.50um

WHN	16.23	341 eP	11 32.50	1.8
		1.6s	400.00nm	5.3mb
		Z	20s	4.40um
		N	12s	3.40um
		E	11s	3.50um
				pP
NJ2	16.83	356 Pd	11 39.50	1.7
		2.0s	900.00nm	5.6mb
		Z	19s	5.00um
		N	15s	1.60um
		E	14s	2.30um

GYA	16.97	313 P	11 40.00	-0.3
		1.5s	200.00nm	5.0mb
		Z	16s	5.80um
		N	10s	3.90um
		E	11s	3.20um
				S
KAGJ	18.62	29 eP	12 01.80	1.2

KMI	19.22	304 Pd	12 11.00	2.7
		3.0s	1800.00nm	5.8mb
Z	16s	8.80um		5.4MsZ
N	10s	0.50um		
E	10s	0.60um		

		eS	15 40.00	
		sS	15 50.00	
NST	19.48	274 iPc	12 13.50	2.3
KUMJ	19.72	27 eP	12 12.00	-1.8
BDT	20.58	279 eP	12 23.00	0.2
		1.1s	126.50nm	5.2mb

CHG	20.76	283 iPd	12 25.50	0.7
		1.5s	223.61nm	5.3mb
		eS	16 22.00	
KHT	21.00	272 iPd	12 29.00	1.8
TIA	21.12	353 P	12 28.50	0.2
		4.0s	1200.00nm	5.6mb X

Z	20s	4.50um		4.9MsZ
N	14s	2.70um		
SHNJ	21.21	25 eP	12 24.10	-5.0X
KGM	21.29	234 ePc	12 31.00	0.8
XAN	21.40	333 P	12 31.50	0.3
		1.5s	600.00nm	5.8mb

N	14s	8.50um		
E	15s	4.00um		
IPM	21.73	243 ePd	12 41.10	6.5X
		1.2s	94.10nm	5.1mb
		e	16 42.30	

CD2	21.80	319 P	12 36.40	1.2
		1.2s	600.00nm	5.9mb
Z	15s	6.00um		5.1MsZ
N	13s	9.70um		
		pP	12 44.00	27kmX

TIY	23.49	344 iPc	12 52.00	0.1
		1.6s	600.00nm	5.9mb
Z	18s	5.30um		5.0MsZ
E	14s	3.30um		
		pP	13 01.00	32kmX

DL2	23.64	3 eP	12 53.00	-0.2
		2.0s	1100.00nm	6.1mb
Z	15s	2.60um		4.8MsZ
N	14s	3.20um		
E	15s	4.30um		

TRT	24.00	199 ePc	12 56.40	-0.4
		1.3s	267.10nm	5.7mb
PSI	24.49	242 ePc	13 09.50	7.9X
BJI	25.01	352 eP	13 07.00	0.5
		1.5s	620.00nm	6.1mb

Z	20s	3.28um		4.8MsZ
E	16s	2.27um		
		ePP	13 44.00	
		eS	17 34.00	
LZH	25.49	328 Pc	13 12.00	0.7
		2.0s	770.00nm	6.0mb

Z	17s	9.27um		5.4MsZ
N	14s	6.32um		
		eS	17 40.00	
		PcS	20 20.00	
MTMJ	26.38	33 eP	13 22.30	2.8

MAT	26.56	34 eP	13 17.00	-4.0X
		2.0s	188.24nm	5.4mb
Z	20s	3.19um		4.9MsZ
		eS	17 56.00	
CHJJ	26.63	35 eP	13 19.40	-2.2

HHC	26.67	345 P	13 22.80	0.7
		2.0s	400.00nm	5.8mb
Z	18s	6.10um		5.2MsZ
N	19s	4.30um		
E	15s	2.60um		
		PP	14 05.00	

SNY	26.68	5 Pc	13 20.00	-2.0
		1.4s	100.00nm	5.3mb
Z	15s	3.20um		5.0MsZ
E	15s	2.20um		
BTO	26.85	342 P	13 24.00	0.2
		N	14s	2.80um

E	14s	3.10um		
YAMJ	28.75	34 eP	13 43.10	2.3
GTA	30.09	327 Pc	13 53.00	0.0
		2.0s	430.00nm	5.9mb
Z	16s	8.40um		5.5MsZ
E	15s	4.90um		

E	14s	3.10um		
YAMJ	28.75	34 eP	13 43.10	2.3
GTA	30.09	327 Pc	13 53.00	0.0
	2.0s	430.00nm		5.9mb
Z	16s	8.40um		5.5Mszx
F	15s	4.00um		

MDJ	30.36	13 eP	13 54.00	-1.2	KLU	78.56	29 P	19 43.50	-0.7		1.8s	92.00nm	5.8mb	
	2.0s	130.00nm		5.4mb	HQL	78.69	297 P	19 46.70	1.3	Z	19s	1.00um	5.3MsZ	
N	12s	1.00um			RMN	78.82	299 iPd	19 47.10	0.8	PTJ	88.91	317 eP	20 37.00 -0.2	
E	11s	1.10um			NUR	79.68	330 iP	19 49.20	-0.9	ZAG	88.92	317 eP	20 37.00 -0.1	
		sP	14 07.00			1.5s	164.80nm		5.8mb	KHC	89.22	321 iP	20 38.50 0.0	
LSA	30.48	303 P	13 57.60	0.6	EYL	80.41	309 iP	19 54.60	-0.1		1.5s	40.00nm	5.5mb	
Z	19s	3.91um		5.1MsZ	ALT	80.76	308 iP	19 56.00	-0.5		Z	18s	1.70um	5.5MsZ
N	16s	2.44um			CFR	80.90	314 eP	19 57.00	0.1		N	20s	0.50um	
E	17s	1.92um			PSN	81.20	313 iPd	19 59.00	0.4		E	20s	1.30um	
		S	18 57.00		ELL	81.40	306 iP	20 00.30	0.3			e	20 43.20	
GUN	34.32	297 P	14 30.40	-0.1	VR1	81.72	315 ePd	20 01.50	0.2			S	31 10.00	
PKI	34.65	297 P	14 32.00	-1.2	INK	81.84	21 eP	19 59.00	-2.4	KMR	89.28	320 iP+	20 39.00 0.2	
KKN	34.81	297 P	14 33.60	-0.9		1.2s	72.00nm		5.6mb	VBY	89.51	317 eP	20 40.00 0.1	
DMN	34.92	297 P	14 34.80	-0.6	MBC	82.16	12 ePd	20 02.40	-0.6	LJU	89.78	318 eP	20 41.00 -0.2	
GKN	35.41	297 P	14 38.60	-1.0		0.8s	20.00nm		5.3mb	MOX	89.79	323 iPd	20 41.40 0.2	
PMG	36.11	131 eP	14 43.50	-1.8	MLR	82.34	315 ePc	20 05.00	0.3		1.6s	76.00nm	5.7mb	
	1.4s	209.30nm		5.8mb	JMB	82.61	312 iPd	20 06.00	0.0		Z	19s	1.00um	5.3MsZ
RAB	36.95	119 e(P)	14 52.00	-0.5	IZM	83.08	308 eP	20 08.50	0.0		N	19s	0.90um	
IRK	39.13	344 eP	15 10.00	-0.3	UPP	83.24	330 iP	20 07.60	-1.2		E	27s	0.70um	
		ePP	15 16.30			1.5s	300.00nm		6.3mb	CEY	89.96	318 eP	20 40.50 -1.6	
		ePP	16 46.00		PVL	83.32	313 iPd	20 11.00	1.4	VOY	90.20	318 eP	20 42.80 -0.5	
		eS	21 13.00		ALN	83.38	310 ePc	20 09.64	-0.3	TRI	90.40	318 eP	20 42.90 -1.1	
WMO	39.80	322 Pd	15 17.20	1.1	BMR	83.43	318 ePd	20 12.00	1.9	GRF	90.41	322 iPc	20 44.20 0.1	
Z	16s	5.10um		5.5MsZ	EZN	83.44	309 eP	20 09.70	-0.6		1.6s	115.00nm	5.9mb	
N	14s	4.30um			TNR	83.44	315 ePd	20 11.00	0.8		Z	20s	1.40um	5.4MsZ
		PP	16 52.00		DIM	83.47	312 iP	20 10.00	-0.4	ORI	90.62	312 P	20 45.50 0.3	
		PcP	17 28.00		KDZ	83.66	311 iPd	20 12.00	0.6	FVI	90.69	319 P	20 44.91 -0.4	
		PcS	21 16.00		PLD	84.06	312 iP	20 13.00	-0.3		1.4s	41.60nm	5.5mb	
HYB	40.10	279 ePd	15 19.50	0.7	RZN	84.15	311 iPd	20 13.00	-1.1	ROI	90.70	311 P	20 46.50 0.9	
	1.2s	151.50nm		5.5mb	DEV	84.31	316 ePc	20 16.00	1.5	CSI	90.83	312 P	20 46.20 0.0	
QIS	40.26	151 eP	15 16.00	-4.0x	PGB	84.32	312 iP	20 15.00	0.2	TDS	90.84	311 P	20 46.60 0.4	
		i	15 21.50		MMB	84.89	312 eP	20 17.00	-0.6	FUR	91.00	321 eP	20 47.50 0.7	
ASPA	40.84	161 iPd	15 23.20	-1.5	SIT	84.98	32 P	20 18.00	0.4		1.7s	200.00nm	6.2mb	
	0.8s	28.30nm		5.0mb		1.4s	113.64nm		5.9mb	GRI	91.07	311 P	20 47.75 0.4	
		e	17 32.10		VTS	84.99	313 iPd	20 18.00	-0.3		1.5s	50.60nm	5.6mb	
GBA	41.53	273 Pc	15 30.20	-0.3	HFS	85.00	331 eP	20 16.50	-1.2	CZI	91.14	311 P	20 47.50 -0.1	
	1.3s	123.50nm		5.5mb		1.6s	377.60nm		6.4mb	MGR	91.23	312 P	20 55.40 7.4x	
WARB	41.59	171 eP	15 28.50	-2.3		Z	17s	1.60um	5.5MsZ	SGO	91.26	313 P	20 47.40 -0.7	
	0.4s	9.00nm		4.9mb			LR	55 13.00		DUI	91.45	314 P	20 49.40 0.3	
POO	44.52	281 iPd	15 53.00	-1.9	KRA	85.01	320 ePd	20 18.30	0.3	YKA	91.54	22 eP	20 49.20 0.2	
	1.4s	213.95nm		5.8mb		1.5s	273.00nm		6.3mb		1.5s	29.70nm	5.4mb	
KSH	45.62	311 iPc	16 06.00	2.4		Z	18s	1.50um	5.4MsZ	CTI	91.63	319 P	20 49.60 -0.3	
E	12s	2.90um				E	18s	2.20um		ARV	91.79	316 P	20 51.00 0.4	
		pP	16 12.00	20kmX	SPC	85.09	320 eP	20 18.00	-0.6	SDI	91.88	314 P	20 50.40 -0.6	
		eS	22 43.00		DAG	85.10	351 iPc	20 17.00	-0.9	RFI	91.92	314 P	20 51.50 0.4	
RMO	49.80	146 eP	16 36.00	-0.2		1.3s	63.46nm		5.7mb	AQU	91.92	315 P	20 51.70 0.5	
QUE	51.03	297 iPd	16 45.00	-0.8	SRS	85.12	311 ePd	20 17.84	-0.9	ASS	92.15	316 P	20 57.30 5.0x	
	1.6s	278.33nm		5.9mb	KKB	85.28	312 iP	20 18.00	-1.5	OSS	92.32	320 ePd	20 53.70 0.6	
		eS	24 06.20		SOH	85.38	311 ePd	20 19.12	-0.9	SFI	92.35	317 P	20 54.20 1.2	
STK	51.06	157 eP	16 44.20	-1.4	TIM	85.48	316 eP	20 22.00	1.6	MNS	92.40	315 P	20 52.30 -1.1	
	1.2s	6.20nm		4.4mb X	KNT	85.61	311 ePd	20 20.40	-0.8	CRE	92.40	316 P	20 53.50 0.0	
BRS	52.75	143 iP	16 58.00	-0.6	PSZ	85.69	318 iP	20 22.00	0.5	PGD	92.46	317 P	20 55.00 1.2	
BWA	56.12	152 eP	17 23.60	0.6	THE	85.71	311 ePd	20 20.72	-0.9	SAL	92.53	319 P	20 54.60 0.8	
CAN	57.13	152 eP	17 29.60	-0.7	VAY	85.81	312 iP	20 21.20	-0.9	SLE	92.87	321 ePc	20 55.30 -0.1	
CNB	57.29	152 eP	17 32.00	0.6		1.4s	235.00nm		6.2mb	LLS	92.95	320 ePc	20 56.30 0.2	
MAIO	57.75	303 iPc	17 35.00	0.2	GRG	86.03	311 ePd	20 22.28	-1.0	MDI	92.97	319 P	20 55.50 -0.4	
	1.4s	93.27nm		5.6mb	NAO	86.03	332 P	20 21.40	-1.5	MME	93.00	317 P	20 57.30 0.9	
		eS	25 47.00			1.4s	172.40nm		6.0mb	ZLA	93.05	321 ePc	20 56.20 -0.1	
DZM	58.43	128 iPc	17 39.10	-0.6	LIT	86.21	310 ePc	20 22.84	-1.4	CDF	93.30	322 eP	20 57.50 0.0	
TAU	62.91	158 eP	18 11.00	1.3	BUD	86.39	318 eP	20 25.00	0.1	PII	93.31	317 P	20 56.80 -0.7	
DHR	65.89	292 P	18 30.00	0.5	SKO	86.43	312 eP	20 24.00	-1.2	VAI	93.53	319 P	20 57.90 -0.5	
TAB	68.29	305 iP	18 45.00	0.2		1.0s	142.00nm		6.1mb	BOB	93.57	318 P	20 59.68 0.9	
RYD	69.24	291 P	18 51.50	0.8			i	20 24.90			1.2s	16.50nm	5.3mb	
TTA	73.71	28 eP	19 17.60	0.8	AGG	86.64	309 ePd	20 24.32	-2.0	FAI	93.65	310 P	21 00.40 1.2	
	1.4s	42.61nm		5.3mb	SRO	86.74	319 iP	20 25.70	-0.9	BSF	93.86	322 eP	20 59.60 -0.5	
SVW	73.96	30 eP	19 19.10	0.9	FNA	86.82	311 ePd	20 25.48	-1.8		1.6s	62.20nm	5.7mb	
OBN	74.11	324 iPd	19 18.10	-1.0	UZD	86.96	317 iP	20 28.70	1.0	MMK	93.95	320 ePd	21 01.00 0.3	
	Z	18s	2.80um	5.6MsZ	KSP	86.96	322 ePc	20 27.70	0.1	HAU	94.04	322 eP	21 00.60 -0.2	
	E	20s	1.50um			1.5s	171.00nm		6.1mb		2.0s	69.95nm	5.7mb	
		e	20 33.00				e	23 38.80			Z	22s	0.93um	5.2MsZ
		e	22 06.00		OHR	87.14	312 eP	20 27.20	-1.6	DIX	94.28	320 ePd	21 02.90 0.6	
IMA	74.61	25 eP	19 21.90	-0.1		1.6s	115.00nm		5.9mb	CKI	94.47	318 P	21 02.60 -0.3	
	1.5s	52.36nm		5.3mb	ZST	87.38	319 iP	20 29.90	0.2	PGF	94.82	316 eP	21 04.60 0.0	
PDB	74.74	32 P	19 22.60	-0.1	IGT	87.96	310 ePd	20 31.36	-1.3		1.4s	34.85nm	5.6mb	
KVT	75.92	309 eP	19 30.50	0.6	PRU	88.32	322 eP	20 34.00	-0.1	LPG	94.96	320 eP	21 05.70 0.2	
KEV	77.01	339 eP	19 34.00	-1.4		1.7s	97.80nm		5.8mb		1.5s	49.60nm	5.7mb	
PMR	77.03	29 eP	19 35.00	-0.6		Z	19s	1.50um	5.4MsZ	LPL	94.96	320 eP	21 05.70 0.3	
	1.5s	94.59nm		5.7mb		N	17s	0.70um			1.4s	30.50nm	5.5mb	
FBA	77.16	26 P	19 35.40	-0.9		E	18s	1.00um		BNI	95.21	319 P	21 07.00 0.6	
BHL	77.34	302 P	19 36.00	-2.1			e	23 34.00		LOR	95.87	322 eP	21 08.70 -0.6	
HRI	77.38	301 iPd	19 39.30	1.0			eS	31 20.00			Z	22s	1.05um	5.3MsZ
SHMJ	77.45	301 P	19 40.20	1.6	BRG	88.34	323 iPd	20 34.70	0.5	FRF	95.91	318 eP	21 09.50 0.	

16d 02h

LRG 96.15 318 eP 21 10.70 0.2
1.5s 36.55nm 5.7mb
Z 21s 1.45um 5.4Msz
SSF 96.19 322 eP 21 10.60 -0.1
SMF 96.19 322 eP 21 10.40 -0.3
AVF 96.41 322 eP 21 11.40 -0.3
CAF 98.13 321 eP 21 19.90 0.4
1.4s 17.45nm 5.5mb
RJF 98.27 321 eP 21 20.40 0.3
Z 21s 0.63um 5.1Msz
FRB 101.01 4 ePdfff21 31.00 -0.8
FFC 101.65 23 ePdfff21 34.00 -1.0
1.4s 25.00nm 5.6mb
MAL 106.67 316 ePKP 26 23.00 14.5X
LKO 121.05 291 PKP 26 36.48 0.0
KIC 121.52 287 PKP 26 37.12 -0.3
TIC 121.67 288 PKP 26 37.32 -0.4
LIC 121.83 287 PKP 26 37.52 -0.4
ECO 148.55 40 (PKP) 27 27.20 0.2
UPA 148.94 41 ePKP 27 30.20 2.6
LPB 171.78 100 PKP 27 56.00 4.0X
Z 20s 1.42um
PP 33 08.00
SKS 37 08.00
ZOBO 171.79 99 PKP 27 52.00 -0.2
SKS 37 07.00
LR 27 52.00
CNCB 171.85 102 PKP 27 50.20 -2.0
SKS 37 03.00
SIV 178.43 120 PKP 27 52.20 -1.1
i 29 48.20
S.D. = 1.1 on 214 of 229 obs.

* JUN 16, 1991 02h 41m 47.00±0.98s
15.102 N ±11.3km 120.214 E ±15.0km
DEPTH = 10.0km (geophysicist)
4.3mb (3 obs.)

LUZON, PHILIPPINE ISLANDS (249)

QVP 0.90 122 P 42 03.00 -1.2
OCP 0.95 119 eP 42 07.00 1.9
TGY 1.21 145 P 42 10.00 0.4
SZP 2.45 5 P 42 30.50 2.9X
CVP 3.01 31 P 42 34.70 -0.9
BJI 25.10 353 eP 47 14.00 0.8
LZH 25.51 328 eP 47 18.50 1.1
1.5s 17.00nm 4.5mb
Z 12s 0.32um 4.1MszX
N 11s 0.36um
pP 47 27.50 32kmX
sP 47 31.50
WB2 37.50 158 eP 48 51.70 -11.2X
0.6s 7.40nm
ASPA 40.79 161 eP 49 29.10 -1.2
1.2s 6.20nm 4.2mb
VRI 81.71 315 ePd 54 11.00 3.8X
NAO 86.07 332 P 54 28.20 -0.8
1.0s 2.30nm 4.3mb
S.D. = 1.4 on B of 11 obs.

WB2 37.50 158 eP 48 51.70 -11.2X
0.6s 7.40nm
ASPA 40.79 161 eP 49 29.10 -1.2
1.2s 6.20nm 4.2mb
VRI 81.71 315 ePd 54 11.00 3.8X
NAO 86.07 332 P 54 28.20 -0.8
1.0s 2.30nm 4.3mb
S.D. = 1.4 on B of 11 obs.

* JUN 16, 1991 02h 42m 15.52±1.14s
45.109 N ±4.1km 6.625 E ±10.8km
DEPTH = 10.0km (geophysicist)
FRANCE (538)

BNI 0.07 147 P 42 17.70 -0.3
eSg 42 19.00
RRL 0.22 149 P 42 20.69 0.3
S 42 24.38
LPG 0.40 13 Pg 42 23.90 0.1
Sg 42 29.00
LPL 0.41 11 Pg 42 24.20 0.1
Sg 42 30.20
RSP 0.45 84 P 42 24.99 0.3
S 42 31.25
LSD 0.51 47 P 42 25.51 -0.5
S 42 32.68
BHB 0.53 120 P 42 26.22 0.0
S 42 33.81
PZZ 0.69 150 P 42 29.20 -0.1
S 42 38.63
S.D. = 0.3 on B of 8 obs.

* JUN 16, 1991 03h 31m 11.72±0.75s
15.019 N ±10.2km 120.150 E ±13.1km
DEPTH = 10.0km (geophysicist)
4.3mb (6 obs.)

LUZON, PHILIPPINE ISLANDS (249)

QVP 0.91 116 P 31 29.00 -0.1
TGY 1.18 140 P 31 35.00 1.3
SZP 2.53 6 P 31 55.50 2.0
CVP 3.11 31 P 32 00.20 -1.5
XAN 21.49 334 P 36 02.50 -0.3
CD2 21.82 319 P 36 06.70 0.5
1.0s 48.00nm 4.9mb
TIY 23.62 345 eP 36 25.20 1.4
BJI 25.17 353 eP 36 38.50 -0.2
LZH 25.55 328 eP 36 42.00 -0.5
2.0s 36.00nm 4.7mb
Z 16s 0.29um 3.9MszX
WRA 37.44 158 P 38 29.00 1.9
0.8s 1.70nm 3.9mb
WB2 37.44 158 eP 38 15.70 -11.5X
0.4s 3.20nm
ASPA 40.73 160 eP 38 51.70 -2.8
1.2s 4.90nm 4.1mb
GBA 41.37 274 Pc 39 00.50 0.6
0.8s 2.80nm 4.0mb
NAO 86.11 332 P 43 51.70 -2.3
1.2s 4.30nm 4.5mb
S.D. = 1.7 on 13 of 14 obs.

* JUN 16, 1991 04h 20m 00.06±0.64s
15.321 N ±7.3km 120.295 E ±13.0km
DEPTH = 10.0km (geophysicist)
4.3mb (5 obs.) 4.0Msz (1 obs.)

LUZON, PHILIPPINE ISLANDS (249)

QVP 0.98 135 P 20 18.00 -0.6
OCP 1.02 132 eP 20 23.00 3.7X
BAG 1.12 14 iPc 20 20.00 -1.1
TGY 1.36 153 P 20 26.00 1.0
SZP 2.22 4 P 20 42.40 4.9X
CVP 2.79 31 P 20 46.50 1.0
XAN 21.28 333 eP 24 49.50 0.5
CD2 21.68 319 P 24 58.00 4.9X
TIY 23.37 344 eP 25 11.20 1.5
Z 20s 0.50um 4.0Msz
BJI 24.89 352 eP 25 24.00 -0.3
1.0s 7.00nm 4.3mb
LZH 25.37 328 eP 25 28.00 -1.2
2.0s 36.00nm 4.7mb
Z 15s 0.34um 4.0MszX
sP 25 40.00
WB2 37.67 158 eP 27 06.10 -11.3X
0.7s 6.30nm
ASPA 40.97 161 eP 27 44.00 -0.8
0.8s 5.00nm 4.3mb
HFS 84.87 331 eP 32 36.60 0.5
0.6s 1.30nm 4.3mb
NAO 85.91 332 P 32 40.80 -0.5
0.7s 1.20nm 4.2mb
S.D. = 1.0 on 11 of 15 obs.

* JUN 16, 1991 04h 21m 39.89±7.37s
16.942 N ±35.7km 60.793 W ±55.2km
DEPTH = 33.0km (normal)

LEEWARD ISLANDS (92)

ML 3.0 (FDF).
DEG 0.68 202 eP 21 52.33 -0.7
S 22 02.00
SEG 0.87 232 eP 21 54.92 -0.8
S 22 05.60
BPA 1.02 276 eP 21 57.78 -0.2
S 22 09.50
MGG 1.14 206 eP 21 59.74 0.2
S 22 13.90
PAG 1.24 223 eP 22 01.50 0.4
S 22 18.30
MGH 1.38 261 eP 22 03.50 0.4
S 22 21.60
BBL 1.56 205 eP 22 06.20 0.6
S.D. = 0.7 on 7 of 7 obs.

* JUN 16, 1991 04h 30m 03.84±0.70s
15.285 N ±8.8km 120.188 E ±11.4km
DEPTH = 10.0km (geophysicist)
4.4mb (6 obs.)

LUZON, PHILIPPINE ISLANDS (249)

QVP 1.03 130 P 30 23.90 0.7
OCP 1.07 127 eP 30 31.50 7.5X

BAG 1.18 19 eP 30 23.40 -2.6
TGY 1.38 148 P 30 30.00 0.9
SZP 2.27 6 P 30 45.00 3.1
CVP 2.87 33 P 30 50.50 0.0
WHN 16.11 342 eP 33 56.00 4.1X
CHG 20.61 283 eP 34 51.00 5.0X
XAN 21.26 333 eP 34 52.50 -0.1
CD2 21.64 319 eP 34 57.80 1.3
TIY 23.37 344 eP 35 09.00 -4.5X
BJI 24.91 353 eP 35 29.50 1.2
1.0s 8.00nm 4.4mb
LZH 25.34 328 eP 35 32.50 -0.2
1.0s 23.00nm 4.8mb
Z 15s 0.48um 4.1MszX
pP 35 41.00 30kmX
GUN 34.16 297 P 36 50.40 -1.5
KKN 34.65 297 P 36 57.20 1.3
WB2 37.68 158 eP 37 10.30 -10.9X
0.7s 13.80nm
ASPA 40.97 161 eP 37 47.10 -1.5
0.8s 8.40nm 4.5mb
GBA 41.39 273 Pc 37 52.40 0.3
0.9s 6.60nm 4.4mb
HFS 84.86 331 eP 42 38.10 -1.7
0.5s 1.40nm 4.4mb
NAO 85.89 332 P 42 43.80 -1.2
0.9s 1.40nm 4.1mb
S.D. = 1.6 on 15 of 20 obs.

* JUN 16, 1991 04h 58m 13.05±4.48s
13.439 S ±44.0km 24.181 E ±14.2km
DEPTH = 10.0km (geophysicist)

ZAMBIA (576)

mbLg 3.8 (BUL).
KRI 6.24 123 iPn 59 48.00 0.5
iSn 00 55.50
iSg 01 30.50
MTD 7.88 116 iPn 00 10.60 0.0
iSn 01 39.00
iSg 02 20.00
BUL 7.90 148 iPn 00 10.20 -0.7
iSn 01 32.00
iSg 02 22.00
CIR 10.33 138 iPn 00 44.00 -0.4
iSn 02 36.00
iLg 03 38.20
WIN 11.30 216 eP 00 57.50 -0.3
S 03 11.50
FRS 16.27 176 eP 02 04.20 1.0
S 04 25.50
S.D. = 0.8 on 6 of 6 obs.

* JUN 16, 1991 05h 54m 12.91±1.20s
52.309 N ±19.1km 3.210 W ±13.3km
DEPTH = 10.0km (geophysicist)
UNITED KINGDOM (533)
ML 3.3 (LDG).

ETA 1.87 283 eP 54 44.50 -0.8
eS 55 07.70
ECP 1.95 267 eP 54 45.40 -0.9
eS 55 09.10
ECB 2.19 273 eP 54 49.20 -0.7
e 55 15.40
DMU 2.74 307 eP 54 59.70 2.0
eS 55 32.10
FLN 3.95 153 Pn 55 16.70 1.8
Sn 55 57.10
GRR 4.20 158 Pn 55 20.70 2.3
LDF 4.21 151 Pn 55 21.10 2.6
LOR 6.81 135 Pn 55 55.20 -0.1
Sn 57 06.50
LSF 6.81 151 Pn 55 55.20 0.0
Sn 57 04.40
SSF 6.82 138 Pn 55 55.20 -0.2
Sn 57 06.80
AVF 6.98 140 Pn 55 57.10 -0.5
BGF 6.98 143 Pn 55 57.40 -0.2
Sn 57 09.70
TCF 6.99 147 Pn 55 57.70 -0.1
Sn 57 10.20
LBF 7.08 136 Pn 55 58.20 -0.9
Sn 57 10.60
HAU 7.50 121 Pn 56 03.90 -1.0
RJF 7.67 154 Pn 56 05.10 -2.2
CAF 8.17 153 Pn 56 13.20 -1.1

S.D. = 1.4 on 17 of 17 obs.				
JUN 16, 1991	06h 05m	15.03 ± 1.14s		
39.659 N ± 9.3km	23.161 E ± 8.4km			
DEPTH = 10.0km (geophysicist)				
AEGEAN SEA (365)				
PAIG	0.48 56	iPd	05 23.85	-1.0
		iS	05 30.53	
LIT	0.68 311	iPc	05 27.98	-0.5
		eS	05 39.14	
AGG	0.90 226	ePc	05 32.50	0.1
		eS	05 47.14	
OUR	0.92 43	iPd	05 31.98	-0.7
		iS	05 44.98	
THE	0.98 351	ePc	05 32.90	-0.8
		eS	05 46.30	
SOH	1.17 7	ePc	05 36.38	-0.5
		eS	05 52.90	
GRG	1.42 336	ePd	05 39.90	-1.0
		eS	05 59.66	
SRS	1.49 13	ePc	05 42.26	0.4
		eS	06 02.50	
KNT	1.51 352	ePd	05 41.58	-0.6
		eS	06 01.82	
VAY	1.72 345	ePn	05 44.50	-0.6
MMB	1.98 12	iPc	05 51.00	2.1
KKB	2.21 359	eP	05 53.00	0.8
OHR	2.31 310	ePn	05 58.90	5.1X
KDZ	2.63 40	eP	06 03.00	4.8X
VTS	2.93 1	eP	06 05.00	2.4
S.D. = 1.2 on 13 of 15 obs.				
? JUN 16, 1991	06h 55m	38.92 ± 0.90s		
43.862 N ± 18.1km	11.261 E ± 6.1km			
DEPTH = 10.0km (geophysicist)				
CENTRAL ITALY (381)				
SFI	0.43 82	P	55 47.30	-0.4
		eSg	55 54.50	
BDI	0.52 293	P	55 49.80	0.3
PII	0.55 255	P	55 49.70	-0.4
		eSg	55 57.60	
CRE	0.55 115	P	55 50.70	0.5
S.D. = 0.8 on 4 of 4 obs.				
% JUN 16, 1991	06h 56m	00.19 ± 1.20s		
38.393 N ± 8.9km	27.081 E ± 12.4km			
DEPTH = 10.0km (geophysicist)				
TURKEY (366)				
MD 3.4 (ISK). Felt at Izmir.				
IZM	0.14 88	iPg	56 03.90	0.3
EZN	1.55 338	ePn	56 28.20	0.4
YER	1.58 142	ePn	56 28.00	-0.3
KHL	1.92 91	ePn	56 33.50	0.2
EDC	2.04 17	ePn	56 34.50	-0.5
KGT	2.06 5	ePn	56 35.50	0.2
BNT	2.07 18	ePn	56 35.10	-0.2
MFT	2.40 4	ePn	56 40.00	-0.2
S.D. = 0.4 on 8 of 8 obs.				
JUN 16, 1991	06h 57m	14.64 ± 0.95s		
39.243 N ± 7.9km	23.777 E ± 9.2km			
DEPTH = 10.0km (geophysicist)				
AEGEAN SEA (365)				
PAIG	0.69 354	iPc	57 28.28	0.0
		eS	57 38.80	
OUR	1.10 8	iPc	57 35.00	-0.3
AGG	1.15 259	ePd	57 36.60	0.5
		eS	57 51.44	
LIT	1.31 311	ePd	57 38.16	-0.8
		eS	57 55.72	
SOH	1.61 348	ePd	57 45.20	2.0
		eS	58 05.52	
GRG	2.01 329	ePc	57 48.36	-0.7
		eS	58 13.28	
KNT	2.03 341	ePd	57 48.68	-0.6
		eS	58 14.76	
HQL	13.62 134	ePc	00 30.00	-0.2
S.D. = 1.1 on 8 of 8 obs.				
JUN 16, 1991	06h 58m	21.91 ± 0.22s		
15.250 N ± 3.3km	120.591 E ± 4.9km			
DEPTH = 12.6km (7 depth phases)				
5.1mb (33 obs.) 5.0Msz (9 obs.)				

LUZON, PHILIPPINE ISLANDS (249)				
OVP	0.74 147	P	58 38.60	2.4
BAG	1.15 359	iPc+	58 43.00	-0.4
TGY	1.19 164	P	58 45.70	1.9
SZP	2.29 357	P	59 04.10	4.1X
CVP	2.71 26	P	59 09.50	3.5X
PPR	5.74 199	P	59 48.30	-0.6
MAP	5.91 146	P	59 58.30	7.0X
DAV	9.47 148	P	00 46.50	5.4X
OZH	9.82 349	P	00 46.00	0.1
	0.7s	70.00nm	6.2mb	X
Z	15s	11.20um	3.9Msz	X
N	14s	5.48um		
		pP	00 53.00	
		S	02 42.00	
ANP	9.92 5	eP	00 40.00	-7.4X
GZH	10.37 320	Pd	00 52.50	-1.0
	14s	6.50um		
N	12s	3.20um		
E	12s	9.70um		
		S	02 53.00	
QIZ	10.94 292	eP	00 57.00	-4.3X
N	13s	3.80um		
E	16s	4.70um		
TSM	11.23 193	eP	01 05.50	0.2
SSE	15.78 2	Pc	02 07.00	1.5
	1.2s	34.00nm	4.4mb	
Z	18s	5.80um	5.0Msz	
N	16s	4.00um		
E	14s	2.90um		
		pP	02 10.00	
		S	05 02.00	
WHN	16.26 340	Pd	02 16.00	4.3X
	1.5s	200.00nm	5.0mb	
Z	18s	3.60um	5.3Msz	
N	15s	2.10um		
E	15s	6.20um		
NJ2	16.80 355	Pd	02 21.00	2.5
GVA	17.12 313	Pd	02 25.70	3.0X
	14s	2.70um		
N	12s	4.20um		
E	12s	2.60um		
		S	05 24.00	
		sS	05 40.00	
KMI	19.40 303	Pd	02 52.50	1.5
	2.5s	660.00nm	5.5mb	
Z	20s	3.00um	4.3Msz	X
		eS	06 20.00	
		sS	06 32.00	
NST	19.72 274	eP	02 55.30	0.9
MKS	20.37 183	iPc	03 03.00	1.9
NNT	20.42 265	eP	03 01.30	-0.3
BDT	20.82 278	eP	03 04.30	-1.5
	1.1s	84.60nm	5.0mb	
CHG	21.00 283	eP	03 08.00	0.4
	2.0s	102.94nm	4.9mb	
		eS	07 06.00	
TIA	21.10 352	P	03 09.00	0.4
	19s	4.10um	4.8Msz	
N	15s	3.30um		
E	15s	2.30um		
KHT	21.25 272	eP	03 11.20	1.0
XAN	21.47 333	P	03 13.00	0.6
	1.0s	100.00nm	5.2mb	
N	14s	5.00um		
E	14s	6.20um		
		S	07 10.00	
KGM	21.52 234	eP	03 13.00	0.0
CD2	21.93 318	P	03 18.00	1.0
	1.6s	600.00nm	5.8mb	
Z	15s	2.80um	4.0Msz	X
E	12s	8.20um		
		pP	03 22.00	14km
IPM	21.97 243	ePc	03 24.20	6.7X
	0.7s	34.50nm	4.9mb	
TIY	23.51 344	Pc	03 33.00	0.4
	17s	4.50um	5.0Msz	X
E	14s	3.30um		
		pP	03 43.00	37kmX
TRT	24.13 200	ePc	03 38.40	-0.2
	1.3s	440.70nm	5.9mb	
TSRJ	24.46 32	eP	03 40.30	-1.4
PSI	24.73 242	ePc	03 51.50	7.0X
BJI	25.00 352	eP	03 47.50	0.7
	1.2s	80.00nm	5.3mb	
Z	22s	2.46um	4.7Msz	

N 14s 1.70um				
		eS	08 10.00	
LZH	25.58 327	Pc	03 53.00	0.4
	2.0s	430.00nm		5.8mb
Z	15s	5.23um		5.2MszX
N	12s	5.31um		
E	11s	3.29um		
		sP	04 06.00	
MTMJ	26.21 33	eP	03 54.90	-3.4X
MAT	26.38 33	eP	03 56.00	-3.9X
	20s	1.77um		4.6Msz
		eS	08 38.00	
CHJJ	26.45 35	eP	03 59.50	-0.9
SNY	26.61 5	eP	04 00.60	-1.2
	1.2s	100.00nm		5.4mb
Z	15s	4.30um		5.1MszX
N	15s	3.40um		
E	15s	1.30um		
		S	08 28.00	
HHC	26.69 345	eP	04 03.60	0.9
	1.0s	23.00nm		4.8mb
Z	18s	4.80um		5.1Msz
N	15s	2.30um		
E	13s	1.80um		
BTO	26.88 342	eP	04 05.00	0.5
N	16s	3.50um		
E	16s	1.90um		
CN2	28.76 7	eP	04 24.00	2.7X
Z	15s	10.00um		5.5MszX
N	15s	3.00um		
E	15s	1.00um		
		ePp	04 28.00	14km
		eS	09 03.00	
GTA	30.18 327	eP	04 34.00	-0.3
	1.6s	30.00nm		4.9mb
Z	15s	5.20um		5.3MszX
N	16s	3.40um		
		pP	04 38.20	14km
		sP	04 40.60	
		PcP	07 37.00	
		S	09 28.00	
MDJ	30.25 13	eP	04 33.50	-1.2
N	14s	1.38um		
E	12s	1.31um		
LSA	30.66 303	P	04 39.70	0.7
GUN	34.52 297	P	05 12.40	-0.2
	0.8s	81.00nm		5.7mb
PKI	34.85 296	P	05 14.00	-1.4
KKN	35.01 297	P	05 15.80	-0.9
	0.8s	39.00nm		5.3mb
DMN	35.12 296	P	05 16.60	-1.0
	0.8s	38.00nm		5.3mb
GKN	35.61 297	P	05 20.80	-0.9
	1.0s	58.00nm		5.4mb
WB2	37.50 158	eP	05 28.10	-9.3X
	0.5s	38.70nm		5.4mb
IRK	39.14 344	eP	05 52.00	1.1
		ePP	07 26.70	
WMO	39.92 322	P	05 58.50	1.0
	1.7s	100.00nm		5.2mb
Z	18s	3.00um		5.2Msz
N	13s	5.20um		
E	14s	4.10um		
		PcS	11 53.80	
OIS	40.19 152	eP	05 58.00	-1.8
		i	06 00.00	7km
HYB	40.34 279	eP	06 02.00	0.7
ASPA	40.81 161	iPd	06 04.20	-0.7
	0.6s	21.50nm		5.0mb
WARB	41.60 172	eP	06 18.00	6.6X
	0.4s	9.00nm		4.9mb
MEKA	41.66 183	eP	06 10.00	-1.8
GBA	41.78 273	Pd	06 12.50	-0.5
	1.3s	38.80nm		5.0mb
NDI	42.16 296	eP	06 14.00	-2.0
KSH	45.78 311	eP	06 46.00	0.7
	12s	2.90um		
YAK	47.16 6	iPc	06 54.20	-1.4
		ePP	07 08.50	644kmX
		e	08 47.00	
		ePPP	09 10.00	
		eS	13 46.00	
		ePS	13 52.00	
RMD	49.71 146	eP	07 16.00	0.1
STK	51.01 157	eP	07 24.60	-1.1
	0.9s	3.90nm		4.3mb
QUE	51.23 297	eP	07 27.50	-0.3

16d 07h

BRS	52.65	143	eS	14 52.10	
BWA	56.04	152	eP	07 37.00	-1.2
CAN	57.05	152	eP	08 04.00	1.0
CNB	57.21	152	eP	08 10.80	0.6
MAIO	57.93	303	iPd	08 11.00	-0.4
			eS	08 17.00	0.5
DZM	58.27	129	iPc	16 20.00	
IR4	64.89	302	ePc	08 19.00	0.0
IR1	65.06	302	eP	09 04.00	0.4
IR7	65.12	303	eP	09 04.50	-0.2
IR5	65.15	302	eP	09 05.00	-0.1
OBN	74.22	324	eP	09 05.50	0.2
			eS	10 02.00	1.8
	2.0s	290.00nm		6.0mb	
Z	15s	0.60um		5.0mszX	
IMA	74.46	25	eP	19 32.00	
PWA	76.50	29	eP	10 02.10	0.5
PMR	76.86	29	eP	10 12.90	-0.2
FBA	77.01	26	eP	10 14.80	-0.3
KEV	77.05	339	eP	10 15.90	0.0
HRI	77.57	301	eP	10 16.00	-0.1
SOD	77.57	337	eP	10 20.70	0.9
			eS	10 21.00	2.0
TOA	78.17	29	eP	10 34.00	44kmX
DSI	78.17	300	eP	10 23.50	1.1
RMN	79.01	299	eP	10 23.00	0.0
NUR	79.76	330	iP	10 28.20	0.4
			i	10 31.40	0.4
ELL	81.58	306	iP	10 49.00	64kmX
INK	81.70	21	eP	10 41.30	0.0
VRI	81.86	315	ePd	10 38.00	-3.1X
MBC	82.06	12	eP	10 43.00	0.6
	1.0s	12.00nm		4.9mb	
CVO	82.25	315	eP	10 42.50	-0.4
MLR	82.49	315	eP	10 35.00	-9.5X
CMP	83.16	315	iPc	10 46.00	0.1
HFS	85.07	331	eP	10 54.00	4.8X
	0.8s	8.80nm		5.0mb	
Z	17s	0.67um		5.1mszX	
KRA	85.13	321	eP	45 26.00	
			i	10 59.50	0.5
PSZ	85.82	318	eP	11 03.30	12km
NAO	86.10	332	P	11 03.90	1.3
	0.8s	10.30nm		5.1mb	
SKO	86.58	312	eP	11 01.90	-1.8
SRO	86.86	319	eP	11 06.50	0.1
KSP	87.08	322	ePd	11 06.50	2.8X
OHR	87.30	312	eP	11 08.50	-0.1
PRU	88.43	322	eP	11 10.40	0.4
			eS	11 16.00	0.9
Z	18s	0.50um		5.0msz	
N	22s	1.00um			
E	21s	0.40um			
BRG	88.45	323	eP	11 16.00	0.9
	0.9s	16.00nm		5.3mb	
CLL	88.83	323	eP	11 21.00	4.0X
KHC	89.34	321	P	11 19.00	-0.5
	1.5s	8.50nm		4.8mb	
Z	20s	0.80um		5.1msz	
N	16s	0.20um			
E	20s	0.80um			
MOX	89.90	323	eP	11 23.00	13km
			eS	11 25.80	3.7X
Z	18s	0.80um		5.2msz	
N	16s	0.80um			
E	17s	0.50um			
GRF	90.52	322	eP	11 23.90	-1.1
			eS	11 28.60	15km
Z	18s	0.50um		5.0msz	
YKA	91.39	22	eP	11 28.30	-0.4
	0.7s	3.20nm		4.8mb	
CDF	93.42	322	eP	11 37.50	-1.0
	1.5s	26.10nm		5.4mb	
BSF	93.97	322	eP	11 38.40	-2.7
PGF	94.96	316	eP	11 44.60	-1.1
LPG	95.08	320	eP	11 46.10	-0.3
	0.7s	3.30nm		4.9mb	
LPL	95.09	320	eP	11 45.80	-0.6
KIC	121.74	288	PKP	17 17.00	-1.2
ZOBO	171.55	98	PKP	18 30.00	-2.6
			eS	18 20.00	
Z	24s	0.25um			
CNCB	171.61	102	ePKP	18 29.00	-3.6X
SIV	178.24	115	PKP	18 35.40	1.7
			S.D. = 1.1	on 96	of 118 obs.

JUN 16, 1991 07h 04m 17.84 ± 0.84s
 46.290 N ± 8.2km 4.643 E ± 8.4km
 DEPTH = 11.8 ± 6.4 km
 FRANCE
 ML 2.8 (LDG) MD 2.8 (STR) (538)

LBF	0.83	327	Pg	04 34.50	0.7
			Sg	04 46.00	
SSF	1.10	315	Pn	04 39.30	1.0
			Pg	04 39.70	
			Sg	04 53.80	
LOR	1.12	331	Pn	04 39.40	0.8
			Pg	04 40.00	
			Sg	04 54.70	
MAF	1.44	268	Pn	04 43.00	-0.8
			Pg	04 44.60	
			Sg	05 02.60	
RSL	1.51	113	Pn	04 46.02	1.2
			Sg	05 07.94	
LPL	1.65	117	Pg	04 51.30	4.3X
			Sn	05 09.10	
LPG	1.67	118	Pg	04 51.60	4.3X
			Sn	05 10.40	
			Sg	05 13.20	
TCF	1.69	271	Pg	04 49.40	2.1
			Sg	05 09.60	
HAU	2.07	34	Pn	04 52.10	-0.8
			Sg	05 24.90	
BSF	2.13	43	Pn	04 53.00	-0.8
			Sg	05 27.10	
LSF	2.16	270	Pn	04 52.70	-1.5
			Sg	05 24.00	
CAF	2.27	234	Pn	04 55.50	-0.2
			Pg	05 00.50	
			Sg	05 27.40	
RJF	2.40	247	Pn	04 58.20	0.6
			Pg	05 03.00	
			Sg	05 31.70	
LPO	2.91	238	Pg	05 12.90	8.1X
			Sg	05 49.60	

S.D. = 1.3 on 11 of 14 obs.

& JUN 16, 1991 07h 10m 37.35s
 60.976 N 146.937 W
 DEPTH = 20.6km
 3.4mb (1 obs.)
 SOUTHERN ALASKA
 <AEIC>. ML 3.3 (AEIC). (2)

GLI	0.12	219	iPc	10 41.53	-0.1
			eS	10 45.47	
VZW	0.20	66	iPd	10 42.73	0.0
VLZ	0.33	62	iPd	10 44.17	-0.4
			eS	10 49.77	
KLU	0.71	43	iPd	10 49.78	-1.3
			eS	10 59.56	
KNIM	0.74	212	iPc	10 49.80	-1.7
			S	11 00.67	
KNK	0.86	301	iPc	10 52.23	-1.2
			iS	11 04.35	
SCM	0.88	348	iPd	10 52.40	-1.5
			eS	11 04.40	
LTI	1.04	206	iPd	10 55.16	-1.4
			S	11 09.52	
MTU	1.05	200	iPd	10 55.45	-1.3
			eS	11 10.02	
SML	1.07	322	iPd	10 55.55	-1.6
			eS	11 09.97	
TOA	1.19	18	iPc	10 58.09	-0.8
PLRM	1.23	301	eP	10 57.69	-1.6
GHO	1.25	311	ePc	10 58.21	-1.5
			S	11 15.49	
TZL	1.29	33	ePc	10 59.60	-0.7
PMS	1.30	283	iPc	10 59.15	-1.3
SEW	1.52	236	ePc	11 01.81	-1.6
PWA	1.57	297	eP	11 03.76	-0.5
MID	1.58	169	eP	11 03.40	-1.0
GLB	1.58	71	iPc	11 03.40	-1.1
			eS	11 23.83	
SLKM	1.68	255	iPc	11 04.61	-1.3
			eS	11 26.18	
SDG	1.69	22	iPc	11 05.51	-0.5
			eS	11 26.95	
SUA	1.91	287	eP	11 08.26	-1.0
NKA	2.12	266	eP	11 12.51	0.4
PAX	2.12	18	ePc	11 11.50	-0.8
CUT	2.14	314	eP	11 12.21	-0.3

BALM	2.24	86	iPc	11 12.55	-1.5
			S	11 40.30	
BRK	2.31	240	eP	11 13.25	-1.7
			eS	11 40.37	
NNL	2.35	248	eP	11 14.47	-1.0
HUR	2.38	329	eP	11 15.44	-0.4
SKT	2.42	297	iPc	11 15.07	-1.5
CGLM	2.48	280	eP	11 15.90	-1.5
SPU	2.50	277	eP	11 15.52	-2.1
CRP	2.55	279	eP	11 17.05	-1.4
NCG	2.56	282	ePc	11 16.87	-1.8
CNPM	2.59	238	ePc	11 16.93	-2.0
RND	2.60	341	ePc	11 18.22	-0.9
CKL	2.63	277	eP	11 17.63	-2.0
BGL	2.66	279	eP	11 17.99	-2.0
RDT	2.71	264	eP	11 18.30	-2.4
CTGM	2.73	88	eP	11 19.47	-1.6
DFR	2.85	265	ePc	11 20.53	-2.1
REF	2.87	263	ePc	11 20.98	-2.1
RDN	2.90	263	ePc	11 21.01	-2.3
RSO	2.90	262	ePc	11 21.37	-2.1
RS2	2.91	262	eP	11 21.27	-2.3
MCK	2.92	342	ePd	11 23.43	-0.1
RED	2.92	262	eP	11 21.35	-2.3
RDW	2.93	263	ePc	11 21.57	-2.2
TRF	2.94	329	ePc	11 22.65	-1.3
NCT	2.97	265	eP	11 22.11	-2.2
DOT	3.00	25	eP	11 24.10	-0.6
WRH	3.55	352	eP	11 30.73	-1.8
CCB	3.71	354	eP	11 32.61	-2.1
NEA	3.75	346	eP	11 33.49	-1.8
RDS	3.90	352	eP	11 35.56	-2.0
CDD	3.95	242	eP	11 35.95	-2.2
FBA	3.96	355	eP	11 36.34	-1.9
GLM	4.03	357	eP	11 37.41	-2.0
MDM	4.04	352	eP	11 37.34	-2.1
YKA	15.30	70	eP	14 15.50	2.0
	0.7s	1.70nm		3.4mb	
	60 obs.	associated			

? JUN 16, 1991 07h 26m 35.96 ± 2.77s
 37.869 N ± 16.2km 27.260 E ± 29.2km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.4 (ISK).

IZM	0.53	0	iPg	26 46.10	-0
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16d 08h

	69.80 322 eP	01 37.00	5.0X	0.9s	136.13nm	5.6mb	0.8s	0.90nm	4.1mb
	1.2s	10.00nm	4.8mb	LAT	35.81 289 eP	19 15.00 0.4	NUR	137.49 343 ePKP	31 20.00 0.9
YAN	71.11 313 P	01 47.20	7.0X	STK	36.39 245 eP	19 20.50 1.3	NAO	140.00 352 PKP	31 14.80 -8.9X
MI	71.66 302 Pd	01 55.00	11.1X		0.4s	2.20nm	4.1mb	0.7s	3.00nm
	2.0s	160.00nm		OIS	38.39 264 iPd	19 35.00 -0.7	HFS	140.25 350 ePKP	31 15.80 -8.3X
CHG	72.45 295 eP	02 01.00	12.6X		0.3s	6.00nm	4.6mb	0.7s	7.70nm
LZH	75.73 313 eP	02 16.00	8.7X	ASPA	43.23 258 iPd	20 14.00 0.0	KAS	145.83 313 ePKP	31 37.00 2.6X
	1.6s	85.00nm	5.5mb		0.7s	49.50nm	5.1mb	EKA	146.00 4 PKPc
	pP	02 28.00	40kmX		iS	25 55.70	0.8s	17.60nm	31 35.50 1.4
GCC	84.91 50 eP	02 55.20	-0.7		eScS	29 06.60	DMU	147.04 8 ePKP	31 38.70 2.9X
BKS	85.03 49 eP	02 56.40	-0.1	WB2	43.36 263 iPc	20 06.40 -8.7X		0.8s	63.00nm
	0.9s	29.00nm	5.5mb		0.9s	64.70nm	5.1mb	DCN	147.53 9 ePKP
PRS	85.13 51 eP	02 57.50	0.4		eS	25 49.40	KRA	147.67 337 ePKP	31 39.90 3.0X
LLA	85.55 51 eP	02 59.90	0.7	WRA	43.37 263 P	20 06.00 -9.2X	CVO	148.02 326 ePKP	31 41.00 3.3X
PRI	85.60 51 eP	03 00.40	0.8		0.6s	58.30nm	5.2mb	KSP	148.21 341 iPKPd
FBA	85.78 18 P	03 01.20	1.5	FORR	47.87 247 eP	20 48.00 -1.3		0.9s	31.00nm
WDC	85.79 47 eP	03 00.20	0.0	MTN	48.06 272 eP	20 49.60 -1.3		i	31 47.50
ORV	86.16 48 eP	03 01.50	-0.6		0.6s	103.00nm	5.5mb		e
MIN	86.37 47 eP	03 01.60	-1.7	KNA	49.47 267 iPd	21 00.50 -0.7	SPC	148.26 335 ePKP	31 41.60 3.5X
CMB	86.46 50 eP	03 03.20	-0.4		0.4s	31.00nm	5.1mb	MLR	148.36 325 ePKP
FRI	86.61 51 eP	03 03.80	-0.5	WARB	49.49 253 eP	21 00.50 -0.8	CLL	148.67 345 iPKP	31 42.90 4.5X
MWC	87.00 54 eP	03 06.00	-0.5	GUMO	49.54 311 eP	20 54.70 -7.0X		1.0s	41.00nm
ISA	87.12 52 eP	03 07.00	0.0		0.8s	163.98nm	5.5mb		i
SBB	87.32 54 eP	03 08.00	0.1		e	21 00.70	20kmX		pPKP
RVR	87.46 54 eP	03 09.00	0.5	PJG	49.54 311 eP	20 54.70 -7.0X	BRG	148.84 344 iPKPd	31 43.60 4.9X
PLM	87.68 55 eP	03 09.00	-0.8	NANU	60.08 256 eP	22 15.00 0.1		i	31 49.60
CLC	87.85 53 eP	03 10.00	-0.4		0.4s	29.00nm	4.9mb		iPKP
GSC	88.31 53 eP	03 13.00	0.3	SPA	68.72 180 iPc	23 09.90 1.5	WTS	149.12 353 ePKP	31 44.00 5.0X
TPC	88.55 55 eP	03 13.00	-0.8		1.0s	100.00nm	5.3mb		0.8s
TNP	88.84 51 P	03 15.20	-0.1		i	23 25.60	57kmX	PRU	149.48 342 PKPd
GLA	89.22 56 eP	03 18.00	1.0	KAKJ	68.99 326 eP	23 09.20 -1.0		1.0s	16.00nm
YKA	97.40 28 eP	03 54.90	1.1	CHJJ	69.50 325 P	23 12.40 -0.8		e	31 52.80
	0.9s	0.80nm	4.2mb	IIDJ	69.67 324 eP	23 13.60 -0.7	MOX	149.61 346 iPKP	31 45.50 5.6X
	S.D. = 0.9	on 33 of 44 obs.		MAT	70.29 325 iPd	23 16.60 -1.2		1.3s	20.00nm
					0.8s	29.85nm	4.8mb	SRO	150.12 336 iPKP
% JUN 16, 1991 07h 53m 00.95±2.73s				NIJ	70.39 326 eP	23 18.80 0.5		i	31 54.70
39.015 N ±20.3km 23.376 E ±14.5km				OFUJ	70.45 329 P	23 17.80 -0.8	ZST	150.24 338 ePKP	31 47.00 6.1X
DEPTH = 10.0km (geophysicist)				MTMJ	70.54 324 P	23 18.60 -0.8		e	31 55.30
AEGEAN SEA (365)				YAMJ	70.56 327 P	23 19.30 0.0	ENN	150.43 353 iPKPc	31 47.40 6.3X
AGG	0.81 271 ePc	53 16.84 0.1		TSRJ	70.79 322 eP	23 20.10 -0.6		0.9s	26.00nm
	eS	53 29.08		KUSJ	72.28 333 eP	23 28.40 -0.7		e	31 55.50
PAIG	0.94 14 iPc	53 19.14 0.3		HOJ	72.31 332 eP	23 29.70 0.4	KHC	150.53 343 iPKP	31 47.50 6.1X
	eS	53 31.96		MRRJ	73.34 330 eP	23 35.00 -0.2		1.2s	15.00nm
LIT	1.28 328 ePd	53 24.72 0.0		ASAJ	73.99 332 eP	23 39.60 0.9		e	31 57.20
	eS	53 42.40		OZH	75.99 304 Pd	23 50.00 -0.2	GRF	150.60 346 iPKPd	31 48.00 6.6X
OUR	1.40 19 ePd	53 26.20 -0.2			0.7s	31.00nm	4.9mb		e
	eS	53 44.93		SSE	77.42 311 P	23 57.00 -0.8		e	31 57.70
THE	1.65 349 iPd	53 30.04 0.1			1.0s	15.00nm	4.4mb	TNS	150.62 350 iPKPc
GRG	2.08 339 ePc	53 35.96 -0.3		KGM	79.10 277 eP	24 07.00 0.1	CDP	152.57 351 ePKP	31 52.20 7.8X
	eS	54 01.64		GCC	79.27 43 eP	24 09.00 1.7		0.8s	8.05nm
KNT	2.18 350 ePd	53 37.88 0.2		NJ2	79.61 310 Pc	24 10.20 1.0	FLN	152.69 2 ePKP	31 51.90 7.5X
	eS	54 02.36		MAW	80.33 200 iPd	24 14.00 1.7		0.8s	8.05nm
	S.D. = 0.3	on 7 of 7 obs.		PLM	80.59 49 P	24 15.30 0.8	VAY	152.94 322 ePKP	31 51.70 6.7X
				MDJ	80.63 326 Pd	24 14.50 0.3		i	32 07.70
JUN 16, 1991 08h 13m 03.96±0.24s					1.4s	72.00nm	5.0mb	LJU	152.99 339 ePKP
21.415 S ±4.4km 179.200 W ±6.3km				FRI	80.72 44 eP	24 15.70 0.9		GRR	153.05 2 ePKP
DEPTH = 624.1km (2 depth phases)				CMB	80.89 43 eP	24 16.40 0.6		0.6s	5.40nm
4.9mb (22 obs.)				WDC	81.09 40 eP	24 17.50 0.8	HAU	153.10 352 ePKP	31 53.30 8.2X
FIJI ISLANDS REGION (181)				ORV	81.10 41 eP	24 17.80 1.1		0.8s	4.05nm
SGE	4.67 324 ePc	14 30.40 -6.0X		MIN	81.51 41 eP	24 19.50 0.5	VBY	153.20 337 ePKP	31 53.90 8.7X
NDF	4.82 318 eP	14 25.10 -12.2X		WHN	82.09 307 eP	24 23.00 1.2		e	32 08.30
MBU	4.84 336 iP	14 37.40 -0.1		IPM	82.18 278 ePd	24 29.80 7.1X	BSF	153.21 351 ePKP	31 53.30 8.0X
DZM	13.36 265 iPc	15 57.10 1.2			0.7s	63.00nm	5.3mb		0.9s
PUZ	16.75 187 eP	16 28.60 0.4		SNY	82.19 321 iPc	24 22.60 0.5	VOY	153.21 340 ePKP	31 52.70 7.3X
WLZ	16.98 194 P	16 33.00 2.7X			1.0s	19.00nm	4.6mb	CEY	153.29 338 e(PKP)
NOZ	17.31 187 eP	16 32.90 -0.5		CN2	82.34 323 iPd	24 22.90 0.1	LPF	153.40 3 ePKP	31 53.80 8.4X
NGZ	18.26 193 P	16 42.40 0.0			1.0s	20.00nm	4.6mb	OHR	154.08 324 ePKP
MNG	19.67 192 P	16 53.50 -1.7		TNP	82.97 45 P	24 26.00 -0.4		i	32 12.20
WDW	20.39 193 P	17 00.20 -1.5		SVW	84.41 11 eP	24 32.30 -0.5		i	34 22.10
	e	17 12.70 55kmX		SLKM	84.96 14 P	24 33.00 -2.4	LOR	154.09 355 ePKP	31 55.40 9.0X
WEL	20.46 193 P	17 02.00 -0.3		8JI	85.76 316 eP	24 40.00 0.4		0.8s	6.05nm
	S	20 10.00			1.4s	29.00nm	4.8mb	SSF	154.32 356 ePKP
THZ	21.35 196 P	17 09.70 -0.8		GYA	86.13 300 P	24 43.50 1.6	LBF	154.36 355 ePKP	31 56.00 9.3X
	e	17 21.90 51kmX		PMR	86.17 14 eP	24 40.60 -0.5	MFF	154.86 2 ePKP	31 55.90 9.1X
KHZ	21.81 195 P	17 13.20 -1.3		TIY	87.06 312 Pd	24 45.30 -0.7		0.8s	5.35nm
LTZ	22.47 197 P	17 19.00 -1.6		BALM	87.37 17 P	24 44.00 -3.0X		S.D. = 1.0	on 74 of 120 obs.
	e	17 32.50 57kmX		NVL	87.74 184 ePd	24 49.00 0.4		* JUN 16, 1991 09h 02m 05.93±3.21s	
MSZ	25.52 202 eP	17 48.00 0.7		XAN	87.80 308 P	24 50.00 0.5		39.018 N ±24.9km 23.361 E ±17.5km	
TLC	25.60 199 P	17 48.30 0.0		PNT	88.04 34 ePd	24 51.00 0.8		DEPTH = 18.8 ± 6.6 km	
BRS	26.17 251 iPc	17 54.00 0.7			0.9s	25.00nm	5.0mb	AEGEAN SEA (365)	
	0.6s	10.00nm	4.6mb	IMA	89.34 10 ePd	24 55.80 -0.1	AGG	0.80 271 ePc	02 21.12 0.0
RMQ	29.67 254 iPd	18 24.60 1.2		FBA	89.37 13 P	24 54.90 -1.1		iS	02 33.48
CNB	30.79 236 iPc	18 34.60 1.8			e	27 09.20 626km			
TOO	34.45 234 iPd	19 05.00 1.7		SES	93.27 37 eP	25 13.00 -1.2	PAIG	0.94 15 ePc	02 23.56 0.2
PMG	34.48 285 iPd	19 03.10 -0.6		INK	95.45 15 eP	25 22.50 -1.1		eS	02 36.08
				YKA	97.81 25 eP	25 33.70 -0.7	LIT	1.27 328 iPc	02 28.77 0.0

16d 09h

OUR 1.40 20 ePc 02 30.52 0.1
 THE 1.64 349 ePc 02 34.48 0.5
 SOH 1.80 360 iPd 02 36.64 0.3
 GRG 2.07 339 ePc 02 40.00 -0.3
 SRS 2.10 5 ePc 02 40.36 -0.4
 KNT 2.17 351 ePd 02 42.16 0.5
 OHR 2.87 318 ePn 02 57.40 5.8X
 S.D. = 0.4 on 9 of 10 obs.

JUN 16, 1991 09h 51m 09.02± 0.30s
 15.177 N ± 4.7km 120.355 E ± 6.1km
 DEPTH = 15.0km (2 depth phases)
 5.0mb (26 obs.) 4.4Msz (5 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

QVP 0.83 131 P 51 27.00 2.3
 TGY 1.21 152 P 51 32.30 1.3
 BAG 1.25 10 iPc+ 51 30.00 -1.8
 SZP 2.36 2 P 51 52.50 4.7X
 CVP 2.88 29 P 51 57.00 1.9
 MAP 5.98 143 P 52 45.50 6.4X
 HKC 9.19 321 eP 53 23.00 -1.0
 DAV 9.53 147 eP 53 17.00 -11.7X
 QZH 9.86 351 Pd 53 34.50 1.4

0.9s 45.00nm 5.9mb
 Z 16s 2.10um 3.9MszX
 N 16s 1.25um

GZH 10.28 321 eP 53 38.00 -1.0
 Z 16s 1.80um
 N 12s 1.30um
 E 12s 1.50um

SSE 15.86 3 P 54 54.50 1.2
 1.5s 120.00nm 4.8mb
 Z 20s 0.90um 4.0MszX
 N 16s 1.50um
 E 16s 1.00um

WHN 16.26 341 eP 55 02.20 3.8X
 4.0s 600.00nm 5.1mb X
 Z 20s 0.60um 4.4Msz
 N 14s 1.00um
 E 13s 1.00um

NJ2 16.85 356 Pd 55 08.50 2.6
 Z 18s 0.90um

GYA 17.01 313 P 55 10.60 2.6
 Z 16s 1.10um
 N 10s 0.60um
 E 11s 0.80um

KMI 19.25 304 eP 55 39.00 3.0
 NST 19.50 274 eP 55 41.00 2.3
 NNT 20.18 265 eP 55 45.80 -0.1
 MKS 20.28 183 iPc 55 48.80 1.8
 BDT 20.61 279 eP -55 59.80 9.5X
 TIA 21.15 353 P 55 55.90 0.1
 Z 20s 0.70um 4.0Msz
 N 16s 0.60um

KGM 21.30 234 eP 56 04.00 6.6X
 XAN 21.43 333 iPd 55 59.50 0.8
 1.2s 100.00nm 5.1mb
 N 15s 1.70um
 E 15s 1.60um

IPM 21.74 243 ePc 56 10.10 8.2X
 1.1s 50.10nm 4.8mb
 CD2 21.83 319 P 56 04.00 1.2
 1.0s 100.00nm 5.2mb
 E 12s 1.45um

TIY 23.52 344 iPd 56 20.40 1.0
 1.3s 76.00nm 5.1mb
 Z 24s 1.30um 4.3MszX
 E 15s 0.87um

TRT 23.99 199 ePc 56 24.00 0.1
 0.7s 86.30nm 5.4mb
 PSI 24.50 242 ePd 56 36.70 7.7X
 BJI 25.04 352 eP 56 34.50 0.6

1.5s 180.00nm 5.5mb
 Z 20s 0.60um 4.1Msz

LZH 25.52 328 eP 56 40.00 1.3
 1.5s 88.00nm 5.2mb
 Z 17s 1.51um 4.6MszX
 N 13s 0.65um
 E 14s 1.09um

pP 56 48.00 28kmX
 sP 56 53.00
 PP 57 24.00
 eS 01 12.50

MAT 26.57 34 eP 56 46.00 -2.3
 eS 01 34.00

HHC 26.70 345 P 56 50.30 0.8
 1.4s 45.00nm 4.9mb
 Z 18s 0.90um 4.4Msz
 N 15s 0.30um
 E 11s 0.20um

SNY 26.70 5 Pd 56 48.60 -0.8
 1.0s 21.00nm 4.8mb
 Z 16s 0.70um 4.3MszX

BTO 26.88 342 eP 56 51.00 -0.2
 N 17s 0.90um
 E 14s 0.50um

CN2 28.86 8 eP 57 11.50 2.6
 Z 18s 1.80um 4.7Msz
 N 13s 0.30um
 E 13s 0.50um

epP 57 16.00 16km
 GTA 30.12 327 P 57 20.80 0.3
 1.4s 20.00nm 4.8mb
 Z 18s 1.50um 4.7Msz
 N 15s 0.70um

pP 57 25.00 14km
 sP 57 29.00
 PcP 00 21.00
 S 02 20.00

MDJ 30.37 13 eP 57 18.50 -4.0X
 GUN 34.35 297 P 57 58.02 0.1
 0.7s 33.00nm 5.3mb

PKI 34.68 297 P 57 58.52 -2.1
 KKN 34.84 297 P 58 01.34 -0.6
 DMN 34.95 297 P 58 02.50 -0.6
 GKN 35.44 297 P 58 06.42 -0.6

PMG 36.08 131 eP 58 09.00 -3.3X
 WB2 37.52 158 eP 58 12.80 -11.5X
 0.6s 20.60nm

IRK 39.15 344 eP 58 37.00 -0.7
 WMO 39.83 322 P 58 44.00 0.5
 1.5s 10.00nm 4.3mb
 Z 15s 0.80um 4.7MszX
 N 18s 2.10um

PcS 04 43.00
 eScS 08 48.50
 HYB 40.13 279 eP 58 47.00 0.8
 ASPA 40.81 161 eP 58 49.50 -2.2

1.1s 15.80nm 4.6mb
 GBA 41.56 273 Pc 58 58.20 0.3
 0.8s 11.30nm 4.6mb

WARB 41.56 171 eP 58 55.50 -2.3
 0.5s 10.00nm 4.8mb
 QUE 51.06 297 eP 00 12.90 -0.3

BWA 56.09 152 eP 00 51.40 1.4
 CAN 57.10 152 eP 00 57.70 0.5
 MAIO 57.78 303 eP 01 02.00 -0.2

DZM 58.40 128 iPd 01 06.50 -0.1
 OBN 74.14 324 eP 02 45.00 -1.4
 1.5s *****nm 8.5mb X

IMA 74.62 25 eP 02 49.00 -0.2
 PMR 77.04 29 eP 03 01.70 -1.0
 KEV 77.04 339 eP 03 04.00 1.3

FBA 77.17 26 eP 03 02.70 -0.8
 HRI 77.41 301 eP 03 05.80 0.2
 SOD 77.55 337 eP 03 05.00 -0.5

DSI 78.01 300 eP 03 09.30 0.5
 TOA 78.34 29 eP 03 10.80 0.7
 MBH 78.77 298 eP 03 13.20 0.1

NUR 79.71 330 eP 03 16.70 -0.7
 0.7s 6.50nm 4.7mb
 VRI 81.76 315 eP 03 28.00 -0.6

INK 81.85 21 eP 03 27.50 -1.1
 MBC 82.18 12 eP 03 29.50 -0.7
 0.9s 6.00nm 4.7mb

MLR 82.38 315 eP 03 32.00 0.0
 HFS 85.03 331 eP 03 43.60 -1.4
 1.6s 89.30nm 5.7mb

KRA 85.04 320 iPc 03 45.00 -0.2

1.3s 48.00nm 5.6mb
 e 03 55.80 34km

SPC 85.12 320 eP 03 44.90 -1.0
 PSZ 85.72 318 eP 03 48.50 -0.3
 VAY 85.84 312 eP 03 48.40 -1.0

NAO 86.06 332 P 03 48.60 -1.5
 1.3s 25.80nm 5.3mb
 SKO 86.46 312 eP 03 51.80 -0.7

SRO 86.77 319 eP 03 53.40 -0.4
 KSP 86.99 322 eP 03 54.80 -0.1
 OHR 87.18 312 eP 03 53.90 -2.2

ZST 87.41 319 eP 03 56.60 -0.3
 PRU 88.35 322 eP 04 02.00 0.6
 1.7s 22.40nm 5.2mb

BRG 88.37 323 eP 04 01.60 0.1
 1.4s 19.00nm 5.2mb
 CLL 88.75 323 eP 04 03.00 -0.3

1.8s 23.00nm 5.2mb
 KHC 89.25 321 P 04 05.50 -0.3
 MOX 89.82 323 eP 04 07.00 -1.4

YKA 91.55 22 eP 04 14.80 -1.3
 0.9s 5.50nm 4.9mb
 ZOBO 171.76 99 PKP 11 20.00 0.7

Z 24s 0.14um
 S.D. = 1.2 on 76 of 87 obs.

JUN 16, 1991 10h 16m 28.53± 0.89s
 46.738 N ± 5.2km 7.313 E ± 12.2km
 DEPTH = 10.0km (geophysicist)
 SWITZERLAND (544)
 ML 2.8 (LDG). MD 2.3 (STR).

LOMF 0.70 332 Pg 16 44.01 1.6
 Sg 16 53.28

MOF 1.12 354 Pg 16 49.75 0.2
 Sg 17 04.97

BSF 1.15 342 Pg 16 50.50 0.4
 Sg 17 06.00

RSL 1.15 205 Pn 16 50.81 0.6
 FEL 1.23 22 Pn 16 50.18 -1.4
 Sg 17 07.28

LPL 1.29 199 Pg 16 53.10 0.5
 Sg 17 10.80

LPG 1.30 198 Pg 16 53.20 0.4
 Sg 17 10.90

HAU 1.43 333 Pg 16 55.70 1.2
 Sg 17 14.50

ECH- 1.48 356 Pn 16 55.84 0.6
 Sg 17 15.79

CDF 1.68 359 Pn 16 57.67 -0.4
 Sg 17 21.75

WLS 1.68 1 Pn 16 56.81 -1.3
 Sg 17 21.70

VITF 1.73 329 Pn 16 59.97 1.2
 LBF 2.30 277 Pg 17 12.40 5.2X
 Sg 17 41.00

SMF 2.39 269 Pn 17 07.30 -1.1
 Pg 17 14.10

Sg 17 44.00
 LOR 2.42 284 Pg 17 14.30 5.5X
 Sg 17 45.40

SSF 2.63 278 Pg 17 18.60 6.8X
 Sg 17 50.50

AVF 2.72 273 Pn 17 10.60 -2.5
 S.D. = 1.3 on 14 of 17 obs.

JUN 16, 1991 11h 07m 10.69± 0.39s
 39.984 N ± 7.4km 42.875 E ± 5.1km
 DEPTH = 25.6km (2 depth phases)
 4.6mb (19 obs.) 4.5Msz (1 obs.)
 TURKEY (366)

At least 33 houses were damaged
 at Kogizmon.

TAB 3.30 124 eP 08 09.00 7.0X
 i 08 11.00

KVT 5.32 284 ePn 08 35.50 5.0X
 KAS 7.06 284 eP 09 02.50 7.4X
 BHL 8.38 226 P 09 12.00 -1.5

16d 11h

OBN	15.69	347 eP	10 47.00	-4.5X
	1.5s	100.00nm		4.8mb
SKO	16.31	284 eP	11 02.50	3.0X
OHR	16.82	281 eP	11 06.90	0.9
	1.6s	96.00nm		4.7mb
PSZ	18.30	303 eP	11 24.90	0.5
SPC	18.50	307 eP	11 22.20	-4.8X
		e	11 26.30	
KRA	19.01	310 eP	11 29.50	-3.5X
	1.1s	36.00nm		4.5mb
		i	11 37.60	31km
SRO	19.30	302 iP	11 35.80	-0.6
ZST	20.18	303 eP	11 44.60	-1.3
TDS	20.37	278 P	11 46.90	-1.0
CSI	20.38	278 P	11 47.60	-0.6
PTJ	20.52	296 e(P)	11 48.50	-1.1
CZI	20.60	277 P	11 48.70	-1.6
MGR	20.89	279 P	11 52.00	-1.3
SGO	21.01	281 P	11 53.80	-0.8
KSP	21.47	309 eP	11 57.70	-1.5
		e	12 10.00	51kmX
LJU	21.52	296 eP	12 00.00	0.3
QUE	21.93	109 eP	12 05.00	0.8
VOY	21.97	296 eP	12 04.80	0.5
SDI	22.01	284 P	12 06.70	2.0
AQU	22.26	286 P	12 09.20	2.0
PRU	22.27	306 eP	12 07.50	0.3
	1.5s	22.30nm		4.4mb
		e	12 31.50	116kmX
		eS	16 16.00	
KHC	22.67	303 iP	12 06.00	-5.1X
	1.3s	18.00nm		4.4mb
Z	10s	0.50um		4.2MszX
E	12s	0.50um		
		e	12 23.50	78kmX
		S	16 22.00	
FVI	22.79	297 P	12 16.40	4.2X
MNS	22.80	286 P	12 13.70	1.3
BRG	22.89	308 eP	12 15.00	1.8
	1.4s	19.00nm		4.4mb
SFI	23.33	290 P	12 19.80	2.3
NUR	23.47	337 eP	12 20.10	1.4
	0.8s	12.80nm		4.5mb
CTI	23.52	295 P	12 19.60	0.0
CLL	23.59	309 eP	12 21.00	1.0
	1.7s	57.00nm		4.8mb
MOX	24.26	306 iP	12 27.10	0.6
	1.6s	26.00nm		4.5mb
GRF	24.29	304 iPc	12 27.70	0.8
	1.6s	93.00nm		5.1mb
MDI	24.86	294 P	12 32.80	0.4
BOB	25.04	292 P	12 36.80	2.6X
LPG	26.94	294 eP	12 51.20	-0.9
	1.4s	30.50nm		4.7mb
LPL	26.95	294 eP	12 51.70	-0.4
	1.4s	17.45nm		4.5mb
HFS	27.15	328 eP	12 50.50	-2.9
	1.2s	28.50nm		4.8mb
Z	16s	0.22um		3.8MszX
		LR	22 00.00	
NAO	28.71	327 P	13 04.20	-3.4X
	0.6s	2.00nm		4.0mb
WMO	33.27	68 P	13 49.00	1.0
	1.5s	16.00nm		4.7mb
Z	16s	0.34um		4.2MszX
		pP	13 55.00	21km
EKA	33.90	312 Pc	13 52.60	-0.6
	0.8s	5.10nm		4.5mb
HYB	38.16	116 eP	14 31.00	1.2
GBA	40.11	121 Pc	14 46.60	0.6
	0.7s	4.20nm		4.3mb
LZH	47.36	74 eP	15 41.00	-3.6X
	2.0s	39.00nm		5.1mb
Z	20s	0.49um		4.5Msz
N	10s	0.24um		
XAN	52.00	74 P	16 20.50	0.5
TIY	52.94	69 eP	16 27.30	0.3
LIC	54.48	245 P	16 36.20	-2.3
MBC	63.49	355 eP	17 40.00	-0.3
MAT	71.22	58 (P)	18 30.00	0.5
INK	72.00	359 eP	18 32.00	-1.5
IMA	73.51	7 eP	18 42.10	-0.5
FBA	75.12	5 eP	18 52.10	0.3
YKA	76.27	349 eP	18 56.60	-1.7
	1.2s	4.30nm		4.4mb
TOA	78.00	4 eP	19 09.60	1.6
SES	87.13	344 eP	19 55.00	-0.4

S.D. = 1.3 on 51 of 63 obs.

& JUN 16, 1991 11h 46m 23.00s
32.390 N 115.340 W
DEPTH = 6.0km (geophysicist)
CALIFORNIA-MEXICO BORDER REGION (45)
<PAS-P>. ML 3.3 (PAS).

IKP 0.70 292 iPd 46 36.20 -0.8
eS 46 45.50
GLA 0.79 33 eP 46 36.80 -2.0
BAR 1.16 285 iPc 46 44.30 -0.8
eS 46 59.00
CPE 1.56 289 iPc 46 51.10 -0.3
PLM 1.60 307 eP 46 49.40 -2.7
5 obs. associated

JUN 16, 1991 12h 51m 49.42 ± 0.50s
40.951 N ± 4.6km 19.790 E ± 4.6km
DEPTH = 5.8 ± 3.4 km
ALBANIA (391)
ML 2.6 (TTG).

TIR 0.40 8 iPg 51 57.70 0.2
LACI 0.69 355 ePg 52 03.00 -0.2
OHR 0.78 78 iPg 52 03.50 -1.5
iSg 52 14.00
SDA 1.09 348 ePn 52 10.90 0.7
ULC 1.09 338 ePg 52 10.07 -0.2
eSg 52 26.40
FNA 1.21 97 ePc 52 11.32 -1.1
eS 52 30.92
IGT 1.48 163 ePd 52 18.40 1.8
eS 52 39.32
BDV 1.51 332 iPc 52 17.46 0.4
iSg 52 38.23
LCI 1.53 247 P 52 15.70 -1.6
eSn 52 31.50
TTG 1.53 345 iPg 52 17.60 0.3
iSg 52 38.75
SKO 1.61 50 ePn 52 17.70 -0.7
0.9s 95.00nm
eSn 52 39.00
Lg 52 41.20
PVY 1.65 5 iPnc 52 19.45 0.3
iSn 52 41.68
HCY 1.78 328 iPnd 52 20.48 -0.5
iSn 52 43.86
IVA 1.92 2 iPnc 52 23.70 0.7
iSn 52 49.35
NKY 1.95 343 iPnc 52 23.26 -0.3
iSn 52 48.65
BRT 1.96 269 P 52 27.50 3.9X
GRG 1.98 89 ePc 52 24.12 0.3
BRY 2.16 335 iPnc 52 26.26 -0.3
iSn 52 53.16
LIT 2.23 112 iPc 52 29.00 1.5
KNT 2.36 84 ePc 52 28.52 -0.8
eS 52 58.20
PLE 2.39 353 iPnc 52 29.80 -0.1
CZI 3.30 240 P 52 42.20 -0.4

S.D. = 0.9 on 21 of 22 obs.

JUN 16, 1991 13h 26m 44.09 ± 0.35s
15.030 N ± 5.4km 120.223 E ± 6.0km
DEPTH = 12.6km (2 depth phases)
5.0mb (21 obs.) 4.4Msz (4 obs.)
LUZON, PHILIPPINE ISLANDS (249)

OVP 0.86 118 P 27 02.50 2.2
TGY 1.15 143 P 27 06.60 1.2
BAG 1.42 14 eP 27 07.60 -2.1
SZP 2.52 5 P 27 28.20 2.9
CVP 3.07 30 P 27 34.50 1.3
PPR 5.42 196 P 28 15.00 8.4X
MAP 5.94 141 P 28 20.10 6.2X
HKC 9.23 323 eP 28 58.50 -1.4
OZH 9.98 351 Pd 29 11.50 1.3
0.7s 38.00nm 5.9mb
Z 16s 1.50um 3.9MszX
N 14s 0.68um
QIZ 10.69 293 eP 29 18.40 -1.7
N 15s 1.10um
E 17s 1.50um
SSE 16.02 3 Pd 30 31.50 0.8
1.1s 29.00nm 4.3mb
Z 18s 0.90um 4.0MszX

WHN	16.36	342 eP	30 40.50	5.5X
	4.0s	400.00nm		4.9mb X
Z	20s	0.60um		4.4Msz
N	14s	0.70um		
E	14s	0.70um		
NJ2	16.99	356 Pd	30 45.00	2.0
Z	19s	0.60um		
GYA	17.01	314 P	30 49.20	5.6X
KMI	19.23	304 Pc	31 15.00	3.9X
	6.0s	600.00nm		5.0mb X
Z	20s	1.00um		5.3Msz
NNT	20.04	266 eP	31 21.30	1.4
BDT	20.50	279 eP	31 23.80	-0.9
CHG	20.70	283 eP	31 28.60	1.8
	1.2s	15.63nm		4.2mb
TIA	21.27	353 P	31 32.80	0.3
XAN	21.51	334 P	31 36.00	1.1
N	15s	1.30um		
		S	35 34.00	
IPM	21.56	243 ePd	31 46.20	10.7X
CD2	21.85	319 P	31 40.00	1.5
	0.8s	100.00nm		5.3mb
Z	16s	0.90um		4.3MszX
TIY	23.62	344 eP	31 56.00	0.2
Z	20s	0.75um		4.2Msz
E	15s	0.54um		
TRT	23.81	199 ePd	31 59.20	1.6
BJI	25.17	353 eP	32 10.00	-0.6
	1.5s	88.00nm		5.2mb
Z	20s	0.48um		4.0Msz
LZH	25.58	328 eP	32 15.50	0.8
	1.5s	80.00nm		5.2mb
Z	17s	1.22um		4.5MszX
N	15s	0.75um		
		pP	32 25.00	34kmX
		sP	32 27.00	
HHC	26.81	345 P	32 27.00	1.0
	1.3s	270.00nm		5.8mb
Z	16s	0.60um		4.2MszX
E	11s	0.20um		
BTO	26.98	343 eP	32 27.00	-0.6
N	14s	0.30um		
E	14s	0.60um		
CN2	29.02	8 eP	32 45.00	-0.9
GTA	30.17	327 Pd	32 56.50	0.1
	1.5s	20.00nm		4.7mb
Z	18s	1.50um		4.7Msz
		PcP	35 56.80	
		S	38 00.00	
GUN	34.31	298 P	33 33.24	0.3
	0.8s	36.00nm		5.4mb
KKN	34.79	297 P	33 37.10	0.1
	0.8s	25.00nm		5.2mb
DMN	34.90	297 P	33 37.96	0.0
	0.6s	15.00nm		5.1mb
GKN	35.40	297 P	33 40.50	-1.6
	0.7s	17.00nm		5.1mb
PMG	36.08	131 eP	33 46.50	-1.3
WRA	37.42	158 P	34 12.00	13.0X
	0.9s	5.90nm		
WB2	37.43	158 iPd	33 48.70	-10.3X
	0.5s	15.80nm		
IRK	39.26	345 eP	34 13.30	-0.7
		ePP	35 49.10	
WMO	39.87	323 P	34 20.50	1.2
	0.7s	10.00nm		4.6mb
N	15s	0.80um		
		pP	34 25.00	15km
		sP	34 29.00	
HYB	40.03	279 eP	34 22.00	1.1
ASPA	40.72	161 eP	34 25.50	-0.9
	1.0s	11.80nm		4.6mb
GBA	41.44	274 Pd	34 33.80	1.4
	0.9s	12.30nm		4.6mb
YAK	47.41	6 eP	35 17.20	-2.6
		e	44 24.00	
STK	50.95	156 eP	35 40.20	-7.2X
	0.9s	0.80nm		3.7mb X
QUE	51.01	297 eP	35 48.10	-0.2
MAIO	57.76	304 iPc	36 38.00	0.5
DZM	58.41	128 iPc	36 41.00	-1.2
OBN	74.18	324 eP	38 21.00	-1.2
	2.0s	110.00nm		5.5mb
IMA	74.81	25 eP	38 25.30	-0.5
FBA	77.36	26 eP	38 38.40	-1.6
SOD	77.63	337 eP	38 42.00	0.5
TOA	78.53	29 eP	38 47.60	1.0

16d 13h

NUR 79.77 330 eP 38 55.00 1.8
 INK 82.03 21 eP 39 04.00 -1.0
 MBC 82.35 12 eP 39 05.50 -1.1
 1.0s 12.00nm 5.0mb
 MLR 82.39 315 eP 39 08.00 0.4
 KRA 85.08 320 iPd 39 21.00 0.1
 HFS 85.09 331 eP 39 18.90 -1.9
 1.8s 90.60nm 5.7mb
 VAY 85.84 312 eP 39 24.00 -0.9
 NAO 86.13 332 P 39 24.60 -1.4
 1.2s 17.70nm 5.1mb
 SKO 86.46 312 eP 39 27.50 -0.5
 KSP 87.03 322 eP 39 30.60 0.0
 OHR 87.18 312 eP 39 37.40 5.8X
 BRG 88.41 323 eP 39 37.30 0.1
 1.6s 14.00nm 5.0mb
 GRF 90.48 322 eP 39 47.50 0.5
 e 39 50.70 10km
 YKA 91.73 22 eP 39 52.10 -0.4
 0.7s 2.20nm 4.6mb
 KIC 121.47 287 PKP 45 39.00 -0.9
 TIC 121.62 288 PKP 45 39.00 -1.2
 LIC 121.78 287 PKP 45 39.30 -1.2
 Z 20s 0.14um 6Msz
 S.D. = 1.2 an 59 of 69 obs.

? JUN 16, 1991 15h 11m 17.44 ± 1.24s
 39.686 N ± 16.7km 118.391 E ± 8.9km
 DEPTH = 10.0km (geophysicist)
 NORTHEASTERN CHINA (658)
 ML 3.3 (BJI).

BJI 1.74 282 ePn 11 48.00 0.1
 Pg 11 49.50
 Sg 12 10.50
 DL2 2.63 106 Pn 12 00.60 0.0
 Pg 12 05.80
 Sg 12 35.20
 TIA 3.61 196 ePn 12 14.70 0.1
 Pg 12 22.50
 Sn 12 54.20
 Sg 13 09.40
 SNY 4.48 60 ePg 12 41.00 14.1X
 Sg 13 37.60
 TIY 5.06 249 Pnd 12 35.00 -0.2
 eSg 13 50.00
 HHC 5.35 285 ePg 12 56.00 16.6X
 Sg 14 07.80
 CN2 6.69 50 ePg 13 20.40 22.3X
 eSg 14 58.00
 S.D. = 0.3 an 4 of 7 obs.

& JUN 16, 1991 15h 51m 13.81s
 63.113 N 150.513 W
 DEPTH = 116.1km
 CENTRAL ALASKA (1)
 <AEIC>.

TRF 0.35 17 iP 51 30.50 -0.5
 eS 51 43.64
 HUR 0.42 108 eP 51 30.82 -0.3
 S 51 44.16
 CUT 0.72 171 eP 51 33.04 -0.1
 RND 0.81 68 eP 51 33.41 -0.6
 MCK 0.94 48 eP 51 34.85 -0.4
 BWN 1.16 23 eP 51 37.38 -0.1
 SKT 1.23 203 iP 51 37.64 -0.6
 S 51 56.88
 PWA 1.50 168 eP 51 41.22 -0.1
 GHO 1.54 151 eP 51 41.69 -0.2
 S 52 03.63
 SML 1.66 141 eP 51 42.70 -0.6
 PLRM 1.66 156 eP 51 42.35 -0.9
 SUA 1.66 184 eP 51 44.29 0.9
 WRH 1.74 37 eP 51 42.85 -1.4
 NCG 1.88 205 eP 51 45.53 -0.6
 PMS 1.93 166 eP 51 46.13 -0.5
 CGLM 1.94 202 eP 51 46.46 -0.5
 CCB 1.95 37 eP 51 45.41 -1.5
 KNK 1.96 150 eP 51 46.71 -0.4
 SCM 1.96 130 eP 51 46.06 -1.1
 CRP 2.01 203 eP 51 47.26 -0.5
 RDS 2.01 30 eP 51 45.99 -1.7
 SPU 2.07 201 eP 51 48.03 -0.5
 CKL 2.11 205 eP 51 48.72 -0.3
 MDM 2.11 27 eP 51 47.13 -1.8
 TOA 2.25 115 eP 51 50.44 -0.4

PAX 2.30 91 eP 51 50.90 -0.6
 SDG 2.36 102 eP 51 51.54 -0.6
 KLU 2.69 125 eP 51 55.14 -1.5
 RDT 2.70 200 eP 51 56.49 -0.3
 GLI 2.76 143 eP 51 55.93 -1.6
 DOT 2.95 77 eP 51 58.54 -1.5
 SEW 3.06 170 eP 52 00.27 -1.2
 KNIM 3.07 153 eP 51 59.57 -2.1
 LTI 3.34 156 eP 52 03.24 -1.9
 GLB 3.55 115 eP 52 06.81 -1.4
 35 obs. associated

? JUN 16, 1991 16h 16m 54.70 ± 5.07s
 16.057 N ± 21.0km 60.936 W ± 37.4km
 DEPTH = 26.6 ± 14.1 km
 LEEWARD ISLANDS (92)
 ML 2.3 (FDF).

DEG 0.28 335 ePc 17 01.59 -0.1
 S 17 07.00
 MGG 0.39 249 ePd 17 03.31 0.1
 S 17 10.90
 SEG 0.65 302 ePd 17 07.44 0.1
 S 17 17.80
 PAG 0.72 268 eP 17 08.40 -0.2
 S 17 19.30
 BPA 1.32 318 eP 17 17.53 0.0
 S.D. = 0.2 an 5 of 5 obs.

& JUN 16, 1991 16h 31m 59.03s
 59.429 N 153.712 W
 DEPTH = 130.4km
 SOUTHERN ALASKA (2)
 <AEIC>.

AUH 0.15 115 ePd 32 16.45 0.9
 AUI 0.17 123 iPd 32 16.40 0.9
 eS 32 29.59
 AUE 0.19 112 iPd 32 16.47 0.9
 MCNL 0.40 233 iPd 32 17.04 -0.9
 eS 32 30.20
 PDB 0.44 326 iPd 32 17.07 -1.0
 S 32 30.89
 CDD 0.50 176 iPc 32 17.46 -1.0
 XLV 1.02 88 iPc 32 21.44 -1.0
 eS 32 38.80
 SYI 1.07 140 iPc 32 21.65 -1.2
 S 32 38.81
 HOM 1.08 77 ePc 32 22.36 -0.6
 eS 32 40.10
 RED 1.10 25 iPd 32 22.23 -1.1
 eS 32 40.09
 RS2 1.14 24 iPd 32 22.92 -1.0
 RSO 1.14 25 iPd 32 22.85 -1.0
 RDW 1.15 23 iPd 32 22.91 -1.0
 REF 1.18 25 iPd 32 23.18 -1.1
 RDN 1.19 23 iPd 32 23.26 -1.0
 NCT 1.20 19 iPd 32 23.32 -1.1
 eS 32 42.16

CNPM 1.27 85 iPc 32 23.86 -1.1
 DFR 1.28 23 iPd 32 24.09 -1.1
 RDT 1.32 29 iPd 32 24.46 -1.2
 eS 32 43.80
 >NNL 1.37 62 iPc 32 25.78 -0.3
 KDC 1.80 159 ePc 32 28.65 -2.4
 S 32 51.70
 NKA 1.81 42 ePc 32 31.52 0.4
 CKL 1.90 20 iPd 32 31.37 -1.0
 SVW 1.94 331 iPd 32 31.68 -1.0
 SPU 1.94 24 iPd 32 31.52 -1.3
 BGL 1.95 19 iPd 32 32.19 -0.8
 CRP 2.00 22 ePd 32 32.69 -0.9
 SLKM 2.06 57 eP 32 32.68 -1.6
 CGLM 2.07 23 iPd 32 33.24 -1.1
 NCG 2.13 21 ePd 32 34.15 -1.0
 SEW 2.26 71 ePc 32 34.85 -1.8
 SUA 2.52 35 ePd 32 38.89 -1.2
 PMS 2.75 47 ePc 32 41.52 -1.6
 SKT 2.78 22 eP 32 42.61 -0.7
 PWA 2.93 39 ePc 32 44.54 -0.7
 LTI 3.03 76 iPc 32 44.85 -1.8
 MTU 3.12 77 ePc 32 46.14 -1.7
 PLRM 3.14 44 eP 32 45.49 -2.6
 KNIM 3.15 70 iPc 32 45.92 -2.3
 KNK 3.28 50 ePc 32 47.39 -2.6
 GHO 3.33 43 ePc 32 48.55 -2.2
 CUT 3.43 28 eP 32 50.37 -1.5

SML 3.57 46 eP 32 51.21 -2.6
 GLI 3.61 63 ePc 32 51.14 -3.3
 MID 3.77 87 ePc 32 54.02 -2.4
 SCM 3.96 50 eP 32 57.46 -1.7
 VLZ 4.05 62 ePc 32 57.96 -2.3
 S 33 42.46
 HUR 4.07 27 eP 32 59.60 -0.9
 TRF 4.36 21 eP 33 02.76 -1.8
 KLU 4.38 58 ePc 33 02.22 -2.5
 TOA 4.57 51 eP 33 05.93 -1.4
 RND 4.62 28 eP 33 05.77 -2.3
 TZL 4.84 54 eP 33 09.00 -1.9
 SDG 5.05 49 eP 33 12.35 -1.4
 GLB 5.30 63 ePc 33 14.73 -2.5
 PAX 5.34 45 eP 33 15.82 -1.9
 CROM 5.46 71 ePc 33 17.18 -2.2
 TGL 5.61 72 ePc 33 19.08 -2.3
 WRH 5.71 25 ePd 33 19.41 -3.3
 BALM 5.89 69 iPc 33 22.88 -2.4
 CCB 5.93 25 eP 33 22.34 -3.3
 MDM 6.11 22 ePd 33 24.59 -3.7
 CTGM 6.36 71 eP 33 30.17 -1.6
 PNL 7.28 82 ePc 33 41.43 -2.7
 64 obs. associated

* JUN 16, 1991 16h 35m 05.66 ± 0.44s
 6.257 N ± 7.8km 125.219 E ± 15.1km
 DEPTH = 33.0km (normal)
 4.6mb (5 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

MTN 19.87 163 eP 39 37.00 -0.1
 WB2 27.54 161 eP 40 42.00 -9.6X
 0.7s 9.30nm 4.6mb
 ASPA 30.93 164 iPd 41 20.70 -1.2
 0.5s 8.10nm 4.8mb
 WARB 32.28 178 eP 41 33.00 -0.7
 STK 41.02 159 iPd 42 47.50 0.0
 0.9s 4.40nm 4.2mb
 e 44 44.70
 e 46 04.70
 BWA 46.02 153 eP 43 29.40 1.4
 CAN 47.03 153 eP 43 36.60 0.6
 GBA 47.56 283 Pc 43 40.90 0.5
 0.5s 3.60nm 4.6mb
 YAK 55.74 3 iPd 44 40.90 -0.3
 e 45 08.00
 QUE- 59.54 301 eP 45 08.90 0.0
 IMA 80.70 24 eP 47 17.90 1.0
 PMR 82.46 29 eP 47 25.70 -0.2
 FBA 83.10 25 eP 47 28.80 -0.4
 TOA 83.86 28 eP 47 34.50 1.3
 INK 88.38 21 eP 47 54.00 -1.2
 YKA 97.82 24 eP 48 38.00 -0.8
 0.8s 1.50nm 4.6mb
 S.D. = 0.9 an 15 of 16 obs.

& JUN 16, 1991 16h 46m 53.00s
 47.000 N 76.700 W
 DEPTH = 18.0km (geophysicist)
 4.5mb (2 obs.)
 SOUTHERN QUEBEC (447)
 <OTT>P>. mblg 4.2 (OTT). Felt
 (IV) at Le Domaine.

WVLY 4.72 197 eP 48 04.30 -0.8
 ELF 5.02 222 P 48 08.20 -0.9
 LDN 5.08 220 P 48 09.00 -1.0
 DLA 5.40 222 P 48 12.20 -2.3
 LVNJ 6.34 167 eP 48 26.00 -1.9
 PNJ 6.36 162 ePn 48 31.30 3.2
 eSn 50 10.10
 GMTN 6.38 163 ePn 48 32.20 3.8
 eSn 50 10.20
 SCH 10.01 35 P 49 14.00 -4.9
 0.4s 8.50nm 5.5mb
 YKA 26.30 320 eP 52 29.00 0.1
 0.6s 0.70nm 3.5mb
 9 obs. associated

JUN 16, 1991 17h 21m 04.44 ± 0.29s
 38.429 N ± 3.4km 21.804 E ± 2.2km
 DEPTH = 10.0km (geophysicist)
 4.6mb (24 obs.)
 GREECE (364)
 ML 4.9 (ROM), 4.6 (TTG), 4.3
 (ATH).

AGG	0.72	35	iPc	21	18.50	-0.1	JMB	5.44	41	eP	22	26.00	-1.4	LPG	13.23	307	Pn	24	14.30	-0.9
			eS	21	28.30		SGO	5.46	295	Pd	22	28.80	1.1				Sn	26	26.60	
VLS	0.99	256	ePb	21	23.00	-0.2	PVL	5.48	28	iPc	22	26.00	-2.0	LPL	13.25	307	Pn	24	14.40	-1.0
ATH	1.57	106	ePb	21	33.00	0.6	ARG	5.50	112	ePn	22	31.00	2.6				Sn	26	27.20	
IGT	1.59	314	iPd	21	35.10	2.4	MEU	5.61	258	P	22	27.80	-2.2	GRA2	13.49	330	e(Pn)	24	17.60	-0.6
LIT	1.75	17	iPc	21	36.38	1.3	MNO	5.62	267	P	22	31.30	1.0	Z	17s		0.90um			
			iS	22	00.82		CTT	5.78	60	ePn	22	33.00	0.7				e	24	29.00	
KZN	1.88	359	ePn	21	39.00	2.1	KHL	6.07	89	eP	22	37.30	0.9	FEL	13.78	318	P	24	20.84	-1.4
VLI	1.93	152	ePb	21	38.00	0.4	GIB	6.14	268	P	22	37.70	0.2	LOMF	14.12	314	P	24	25.97	-0.7
KEK	2.02	310	ePb	21	41.50	2.6	ISK	6.18	63	eP	22	34.00	-3.9X	MOX	14.19	333	eP	24	28.00	0.5
PAIG	2.09	44	iPd	21	40.14	0.2	HVAR	6.25	321	iPn	22	37.40	-1.4	Z	17s		0.70um			
			eS	22	06.38					iSn	23	50.00		N	16s		0.50um			
TPE	2.32	324	iPnd	21	45.00	1.7	DUI	6.49	302	P	22	43.30	0.8	E	16s		0.40um			
FNA	2.37	352	ePc	21	46.54	2.5	ALT	6.52	82	iP	22	43.00	0.1	MOF	14.24	316	P	24	26.78	-1.4
THE	2.38	22	ePc	21	43.34	-0.7	HRT	6.52	66	eP	22	41.00	-1.9	HQL	14.29	126	eP	24	28.00	-0.8
OUR	2.54	41	iPd	21	46.62	0.3	FAI	6.53	262	P	22	44.50	1.5	CLL	14.30	337	eP	24	33.00	4.2X
GRG	2.57	10	iPd	21	47.85	1.1	ELL	6.65	102	eP	22	48.30	3.6X		1.1s		33.00nm			4.9mb
SOH	2.67	26	ePd	21	49.42	1.1	RFI	6.66	298	P	22	45.79	1.0				i	24	39.30	
OHR	2.79	344	iPnd	21	53.40	3.4X	USI	6.77	275	P	22	45.40	-0.8	BSF	14.42	315	Pn	24	28.20	-2.3
	1.5s	4464	0.00nm				EYL	6.80	69	eP	22	46.00	-0.9				Sn	26	56.80	
			iSn	22	30.90		SDI	6.95	301	P	22	49.40	0.6	ECH	14.44	317	P	24	30.38	-0.4
KNT	2.86	17	iPc	21	51.98	1.1	PSN	7.12	41	iPd	22	52.00	0.8	WLS	14.46	318	P	24	30.05	-1.0
			eS	22	27.06		CMP	7.25	18	ePc	22	58.00	5.1X	CDF	14.50	318	P	24	29.96	-1.7
VAY	2.95	11	iPn	21	52.70	0.6	TNR	7.45	13	ePd	23	00.00	4.3X	GWf	14.68	320	P	24	32.10	-1.8
	1.2s	1050	0.00nm				DEV	7.49	6	ePc	22	58.00	1.7	HAU	14.76	315	Pn	24	33.40	-1.5
			iSn	22	29.60		AQU	7.51	304	P	22	57.00	0.3				Sn	27	06.50	
			i	22	30.00		MLR	7.70	22	eP	23	00.00	0.6	VITF	15.08	316	P	24	37.97	-1.1
			i	22	41.50		RDP	7.72	298	P	23	00.00	0.4	SMF	15.56	308	Pn	24	44.60	-0.7
			Lg	22	43.00		RMP	7.75	299	P	23	00.40	0.4	LBF	15.62	309	Pn	24	45.40	-0.8
SRS	3.02	27	iPc	21	53.86	0.7	MNS	8.00	302	P	23	04.60	1.0				Sn	27	25.00	
			iS	22	31.10		CVO	8.07	22	eP	23	07.00	2.6	LOR	15.82	310	Pn	24	48.80	0.0
TIR	3.27	334	iPnc	21	59.00	2.2	BRD	8.09	27	eP	23	23.00	18.4X				Sn	27	29.40	
LCI	3.54	304	P	22	00.30	-0.2	CFR	8.25	33	eP	23	09.00	2.2	AVF	15.92	308	eP	24	55.00	5.0X
SKO	3.55	356	ePn	22	02.50	1.8	VRI	8.28	25	ePd	23	08.00	0.6		0.9s		32.75nm			4.5mb
	1.1s	837	0.00nm				ASS	8.34	307	P	23	09.00	0.6	SSF	15.94	309	eP	24	55.20	4.9X
			i	22	03.90		ARV	8.40	310	P	23	07.60	-1.5		1.0s		49.00nm			4.6mb
KKB	3.57	16	iPd	22	01.00	0.0	ZAG	8.55	332	eP	23	11.20	0.1	BGF	16.14	306	Pn	24	51.00	-1.9
PRK	3.58	75	ePn	22	01.00	-0.2	VBY	8.59	328	ePn	23	09.70	-1.9	MAF	16.19	305	eP	24	57.70	4.2X
EZN	3.78	67	ePn	22	23.70	19.7X				iSn	24	46.30			1.1s		12.20nm			3.9mb
RZN	3.95	34	iPd	22	06.00	-0.5	PTJ	8.63	332	iPc	23	09.00	-3.3X	ENN	16.69	323	eP	25	01.00	1.3
RDO	3.95	45	ePn	22	05.30	-1.1	RIY	8.85	324	iPnc	23	12.90	-2.3		1.0s		17.00nm			4.1mb
ULC	4.04	332	iPnc	22	08.63	1.1	CRE	9.08	308	P	23	18.00	-0.5	MFF	18.08	304	eP	25	19.00	1.8
			iSn	22	57.50		CEY	9.13	325	eP	23	17.00	-2.1		0.8s		18.80nm			4.3mb
ALN	4.10	52	ePc	22	07.62	-0.8				eS	25	00.40		LDF	18.81	310	eP	25	26.70	0.6
ROI	4.24	287	P	22	12.50	2.0	PPCY	9.18	109	e(P)	23	21.50	1.7		0.6s		7.20nm			4.1mb
			eSn	22	56.80		SFI	9.29	309	P	23	21.10	-0.3	FLN	19.10	310	eP	25	29.70	0.1
KDZ	4.25	40	iPc	22	10.00	-0.6	LJU	9.32	327	eP	23	20.00	-1.8		0.6s		8.10nm			4.1mb
IZM	4.29	89	ePn	22	10.80	-0.5				eS	25	03.80		-Z	20s		0.10um			5.5Msz
PLD	4.29	30	eP	22	12.00	0.8				LR	27	30.00		LPF	19.15	307	eP	25	29.30	-1.0
VTs	4.29	14	iPc	22	12.00	0.6	TRI	9.41	323	iPnc	23	20.00	-3.0X		0.6s		7.20nm			4.1mb
BRT	4.31	306	P	22	12.50	0.9				iSn	24	58.70		GRR	19.17	309	eP	25	30.10	-0.5
			eSn	23	02.10					iSgSg	25	58.60			0.6s		10.80nm			4.3mb
PVY	4.39	342	iPnc	22	15.10	2.4	PSZ	9.59	352	iP	23	25.70	0.2	OBN	19.44	26	iPc	25	32.00	-1.8
			iSn	23	09.13		VOY	9.59	325	ePc	23	23.80	-1.8	Z	11s		0.50um			
NPS	4.39	135	ePn	22	13.00	0.3				eS	25	11.20		N	11s		0.50um			
TDS	4.43	288	P	22	14.70	1.5	SRO	9.72	346	eP	23	27.70	0.5	E	11s		0.30um			
TTG	4.44	335	iPnc	22	14.33	1.0	CSS	9.88	107	e(P)	23	33.00	3.5X				i	25	39.00	
			iSn	23	07.90		PII	10.02	305	P	23	32.90	1.5				e	26	13.00	
ORI	4.47	293	P	22	13.80	0.1	BDI	10.14	307	P	23	32.70	-0.5	TOL	20.08	282	eP	25	40.50	-0.3
			eSn	23	04.80		VVI	10.26	320	P	23	32.74	-2.0	UPP	21.61	354	iP	25	55.00	-1.3
BDV	4.47	330	iPnc	22	14.18	0.4	ZST	10.34	342	eP	23	36.10	0.3	NUR	22.17	4	iP	26	00.90	-1.0
			iSn	23	07.00		FVI	10.53	324	P	23	36.90	-1.4		0.5s		17.30nm			4.8mb
PGB	4.49	23	eP	22	15.00	0.9	PGF	10.58	297	Pn	23	40.10	0.8	IFR	22.30	266	iPc	26	05.00	1.3
CSI	4.50	289	P	22	15.40	1.2	VKA	10.61	340	e(P)	23	38.00	-1.4	HFS	22.33	349	eP	26	01.70	-1.8
			eSn	23	05.20		CTI	10.70	319	P	23	40.00	-0.8		0.5s		15.20nm			4.7mb
CZI	4.50	282	P	22	15.10	1.0	SPC	10.81	355	eP	23	46.10	3.7X	Z	16s		0.11um			3.4MszX
			eSn	23	01.20		SAL	11.03	314	P	23	43.50	-1.7				LR	34	20.00	
DIM	4.61	37	eP	22	15.00	-0.7	KMR	11.12	332	e(P)	23	58.00	11.5X	NAO	23.45	346	P	26	13.70	-0.8
BAI	4.66	307	P	22	16.00	-0.4	BOB	11.20	308	P	23	48.10	0.4		0.5s		10.40nm			4.6mb
IVA	4.67	343	iPnc	22	18.60	1.9	SCE	11.35	322	iPnc	23	47.70	-2.1	EKA	23.82	323	Pc	26	15.20	-2.9
			iSn	23	16.25		MDI	11.59	313	P	23	52.00	-0.9		0.9s		36.70nm			5.0mb
KGT	4.71	63	ePn	22	17.00	-0.2	VAI	12.19	312	P	24	00.10	-0.8	DCN	24.92	316	eP	26	26.00	-2.7
Hcy	4.74	329	iPnd	22	17.11	-0.5	KHC	12.23	334	eP	24	01.50	0.0	DMU	24.96	318	eP	26	29.00	-0.2
			iSn	23	13.36									TIO	24.98	261	iP	26	33.00	3.3X
MFT	4.84	59	ePn	22	18.50	-0.7								SOD	29.12	4	iP	27	05.80	-1.3
NKY	4.87	335	iPnd	22	20.60	1.0	Z	16s		2.00um				TIC	39.88	224	P	28	39.66	-0.4
			iSn	23	18.20					e	24	09.50		KIC	39.96	224	P	28	40.26	-0.5
ATN	5.00	269	P	22	21.90	0.7	FRF	12.54	299	Pn	24	06.30	0.6		0.9s		12.00nm			4.6mb
EDC	5.07	66	ePn	22	13.00	-9.3X	LMR	12.57	298	Pn										

16d 17h

MBC 62.96 350 eP 31 32.00 -0.9
0.6s 3.00nm 4.7mb
YAK 64.41 30 eP 31 39.80 -2.8
CD2 65.74 69 eP 31 50.30 -1.4
TIY 68.27 59 eP 32 05.80 -1.9
INK 71.99 351 eP 32 28.00 -1.6
SNY 73.05 50 Pc 32 34.40 -2.0
1.0s 10.00nm 4.9mb
YKA 73.50 340 eP 32 37.40 -1.2
0.9s 3.80nm 4.5mb
IMA 75.78 358 ePd 32 52.90 1.1
FBA 76.68 355 eP 32 57.90 1.1
TOA 79.34 354 eP 33 12.40 0.9
PMR 80.06 356 eP 33 16.00 0.8
SVW 80.79 359 eP 33 20.90 1.7
MAT 85.09 46 iPc 33 40.60 -1.1
PNT 86.20 336 eP 33 48.00 0.9
0.6s 5.00nm 4.9mb
TUL 86.21 314 eP 33 47.80 0.5
0.8s 22.00nm 5.4mb
LRM 86.61 330 eP 33 50.10 0.6
WRA 119.54 93 PKP 39 53.00 -3.3X
1.0s 0.70nm
ASPA 121.20 97 ePKP 40 01.70 2.3
1.3s 5.20nm
DZM 145.63 72 iPKPc 40 45.70 0.7
S.D. = 1.3 on 174 of 194 obs.

JUN 16, 1991 18h 25m 32.30 ± 0.47s
45.015 N ± 2.7km 8.170 E ± 4.6km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.3 (LDG).

PCP 0.54 150 P 25 43.05 -0.1
S 25 50.03
CKI 0.60 172 P 25 44.10 -0.1
eSg 25 52.00
ORX 0.63 348 P 25 46.44 1.5
S 25 55.46
RSP 0.66 282 P 25 46.03 0.5
S 25 54.64
BHB 0.67 255 P 25 46.38 0.7
S 25 56.53
ROB 0.75 197 P 25 46.95 -0.5
S 25 57.61
FIN 0.81 178 P 25 48.18 -0.3
S 25 58.84
LSD 0.84 302 P 25 48.59 -0.6
S 26 00.69
PZZ 0.92 237 P 25 49.76 -0.6
S 26 00.59
ENR 0.95 214 P 25 51.10 0.1
RRL 0.99 265 P 25 51.36 -0.3
LPG 1.11 296 Pn 25 53.60 -0.2
IMI 1.12 190 P 25 54.13 0.3
LPL 1.13 297 Pn 25 54.00 -0.1
FRF 1.82 217 Pg 26 04.50 0.0
Sg 26 26.60
LRG 2.03 220 Pg 26 09.20 1.7
BSF 2.97 342 Pn 26 20.80 -0.3
HAU 3.25 338 Pn 26 24.50 -0.4
SMF 3.44 300 Pn 26 27.60 0.0
LBF 3.52 305 Pn 26 28.90 0.0
Sn 27 09.70
LOR 3.75 308 Pn 26 31.90 -0.2
Sn 27 15.60
AVF 3.80 300 Pn 26 32.50 -0.3
SSF 3.84 304 Pn 26 33.10 -0.2
BGF 4.03 294 Pn 26 35.60 -0.4
S.D. = 0.6 on 24 of 24 obs.

? JUN 16, 1991 18h 29m 43.78 ± 0.91s
50.180 N ± 17.5km 4.186 W ± 19.9km
DEPTH = 10.0km (geophysicist)
UNITED KINGDOM (533)
ML 2.8 (LDG).

ECP 2.43 326 eP 30 24.00 0.0
eS 30 57.80
ECB 2.73 324 eP 30 28.30 0.0
eS 31 07.40
FLN 2.80 119 Pn 30 31.30 1.9
Pg 30 38.30
Sg 31 14.80
GRR 2.82 128 Pn 30 32.20 2.6
Pg 30 38.90

LPF 2.98 135 Pg 30 41.60 9.7X
LDF 3.09 119 Pn 30 35.80 2.4
Pg 30 43.00
DMU 4.09 337 eP 30 47.60 0.1
MFF 4.48 142 Pn 30 54.40 1.3
LSF 5.48 134 Pn 31 07.00 -0.4
Pg 31 25.40
Sn 32 03.20
TCF 5.78 130 Pn 31 10.60 -0.9
Sn 32 10.40
BGF 5.92 125 Pn 31 13.00 -0.5
SSF 5.98 119 Pn 31 13.00 -1.3
Sn 32 17.00
AVF 6.05 121 Pn 31 14.40 -0.9
LOR 6.07 116 Pn 31 14.60 -1.0
Sn 32 18.80
RJF 6.21 140 Pn 31 16.60 -1.0
LFF 6.21 146 Pn 31 17.50 -0.1
LBF 6.29 117 Pn 31 17.30 -1.5
CAF 6.75 139 Pn 31 24.40 -0.8
S.D. = 1.4 on 17 of 18 obs.

? JUN 16, 1991 19h 27m 18.80 ± 1.21s
51.703 N ± 17.5km 173.537 E ± 16.3km
DEPTH = 33.0km (normal)
4.1mb (3 obs.)

NEAR ISLANDS, ALEUTIAN ISLANDS (5)

SMY 1.09 18 iPc 27 36.30 -1.4
ADK 6.07 84 eP 28 48.00 -0.6
IMA 21.86 36 eP 32 13.70 3.6X
FBA 23.76 41 eP 32 30.60 2.0
YAK 25.58 311 iPd 32 49.50 3.5X
NAO 66.97 351 P 38 10.30 0.6
0.7s 1.10nm 4.1mb
HFS 67.34 349 eP 38 12.00 -0.1
0.5s 1.70nm 4.4mb
WRA 79.15 217 P 39 21.00 -0.5
0.7s 1.20nm 4.0mb
S.D. = 1.5 on 6 of 8 obs.

JUN 16, 1991 20h 36m 53.35 ± 0.26s
15.234 N ± 3.8km 120.291 E ± 5.1km
DEPTH = 10.0km (geophysicist)
5.0mb (27 obs.)

LUZON, PHILIPPINE ISLANDS (249)

OVP 0.92 131 P 37 11.40 0.5
BAG 1.20 133 iPc+ 37 14.80 -1.1
TGY 1.29 151 P 37 17.50 0.3
SZP 2.31 4 P 37 35.70 3.7X
CVP 2.86 31 P 37 41.20 1.3
PPR 5.63 196 P 38 21.00 1.8
MAP 6.06 143 P 38 29.50 4.3X
HKC 9.11 321 eP 39 05.90 -1.9
DAV 9.61 147 eP 39 20.00 5.2X
e 39 45.50
OZH 9.79 351 P 39 19.50 2.3
0.7s 35.00nm 5.9mb
OIZ 10.68 292 eP 39 29.00 -0.5
N 13s 14.20um
E 16s 14.20um
TSM 11.16 192 eP 39 35.50 -0.5
SSE 15.81 3 P 40 39.00 1.4
NJ2 16.79 356 Pc 40 54.00 3.8X
8.0s 1500.00nm 5.2mb X
Z 20s 10.00um 5.0msz
E 15s 8.30um
GYA 16.92 313 eP 40 52.00 0.0
Z 14s 6.10um
N 14s 13.40um
E 14s 7.10um
KMI 19.17 304 eP 41 22.00 2.0
3.0s 240.00nm 4.9mb
Z 18s 9.90um 4.3msz
N 10s 0.90um
E 10s 1.00um
PP 41 40.00
NST 19.44 274 eP 41 30.00 7.0X
NNT 20.13 265 eP 41 31.00 0.6
MKS 20.34 182 iPc 41 33.00 0.4
BDT 20.54 279 eP 41 34.00 -0.7
1.0s 49.70nm 4.8mb
CHG 20.72 283 eP 41 38.00 1.4
1.0s 18.75nm 4.4mb
e 42 02.40
eS 46 04.00

TIA 21.08 353 eP 41 40.90 0.7
KGM 21.28 233 eP 41 43.00 0.6
e 45 30.00
XAN 21.35 333 P 41 43.00 0.0
0.9s 46.00nm 4.9mb
N 14s 14.20um
E 14s 19.90um
PP 42 10.00
SS 46 10.00
IPM 21.71 243 ePd 41 54.90 8.2X
e 45 42.00
CD2 21.74 319 eP 41 47.60 0.6
1.0s 100.00nm 5.2mb
Z 14s 7.60um 5.3mszX
E 12s 23.10um
TIY 23.45 344 eP 42 05.40 1.6
Z 18s 8.88um 5.3msz
N 13s 5.00um
E 14s 6.40um
TRT 24.02 199 ePd 42 09.40 0.0
0.8s 67.70nm 5.3mb
BJI 24.97 353 eP 42 18.50 0.1
1.5s 88.00nm 5.2mb
LZH 25.44 328 eP 42 24.00 0.9
1.5s 99.00nm 5.3mb
HHC 26.63 345 eP 42 35.00 1.0
1.2s 30.00nm 4.9mb
Z 15s 10.60um 5.5mszX
N 14s 6.70um
E 13s 4.10um
BTO 26.81 342 eP 42 34.40 -1.3
SHL 28.48 296 eP 42 50.50 -0.6
eS 46 38.00
GTA 30.04 327 iPc 43 05.00 0.1
1.2s 10.00nm 4.5mb
Z 16s 15.40um 5.7mszX
N 16s 11.40um
SS 48 16.00
LSA 30.43 303 Pd 43 09.30 0.5
N 17s 3.19um
E 17s 2.29um
GUN 34.27 297 P 43 42.46 0.1
0.8s 87.00nm 5.7mb
PKI 34.60 297 P 43 43.98 -1.1
0.9s 43.00nm 5.3mb
KKN 34.76 297 P 43 46.12 -0.2
0.9s 48.00nm 5.4mb
DMN- 34.87 297 P 43 46.60 -0.7
1.0s 53.00nm 5.4mb
GKN 35.36 297 P 43 50.90 -0.5
0.9s 49.00nm 5.4mb
PMC 36.17 131 eP 43 55.50 -2.6
IRK 39.08 344 eP 44 22.20 0.0
e 45 13.10
ePPP 46 25.00
eS 50 30.00
e 50 52.00
e 51 19.00
e 52 13.00
eSSS 54 06.00
e 54 38.00
WMO 39.75 322 P 44 30.50 2.5
Z 18s 10.30um 5.7mszX
N 14s 13.60um
E 14s 9.70um
PP 46 06.50
HYB 40.06 279 eP 44 31.50 0.7
GBA 41.49 273 Pc 44 43.10 0.6
0.9s 12.20nm 4.6mb
WARB 41.63 171 eP 44 40.00 -3.5X
e 45 08.00
KOD 42.01 268 eP 44 50.00 2.8X
POO 44.47 281 eP 45 05.00 -1.8
QUE 50.97 297 eP 45 57.90 0.2
STK 51.11 157 eP 45 55.30 -3.0X
0.8s 1.50nm 4.0mb X
i 46 22.20
MAIO 57.70 303 iPd 46 47.20 0.4
0.9s 11.51nm 4.9mb
i 47 15.00
eS 55 19.00
DZM 58.48 128 iPd 46 54.30 1.9
KMSA 71.78 287 eP 48 20.00 1.5
OBN 74.06 324 eP 48 31.00 -0.1
1.0s *****nm 8.0mb X
KEV 76.97 339 eP 48 47.00 -0.5
e 49 18.00

FBA 77.15 26 P 48 52.50 3.9X
 HRI 77.33 301 eP 48 51.30 0.9
 SOD 77.47 337 eP 48 50.00 -0.3
 ZNT 78.10 300 eP 48 54.80 0.3
 HOL 78.64 297 eP 48 48.00 -9.5X
 RMN 78.76 299 eP 48 58.90 0.6
 CSS 78.99 303 eP 49 00.30 1.0
 EYL 80.36 309 eP 49 07.30 0.6
 HRT 80.67 310 eP 49 10.00 1.7
 ELL 81.35 306 eP 49 11.00 -1.0
 VRI 81.67 315 ePc 49 13.50 0.2
 INK 81.82 21 eP 49 13.00 -0.6
 MBC 82.14 12 eP 49 14.50 -0.7
 0.8s 6.00nm 4.7mb
 MLR 82.29 315 eP 49 17.00 0.3
 53 04.00
 01 04.00
 DIM 83.42 312 eP 49 25.00 2.6X
 RZN 84.10 311 eP 49 25.00 -1.2
 PGB 84.27 312 eP 49 27.00 0.2
 MMB 84.84 312 eP 49 29.00 -0.7
 VTS 84.94 313 iP 49 30.00 -0.3
 HFS 84.95 331 ePKP 49 28.40 -1.4
 0.5s 1.80nm 4.6mb
 KRA 84.96 320 eP 49 30.20 0.2
 49 58.40
 OUR 84.99 310 ePc 49 29.74 -0.6
 DAG 85.06 351 eP 49 30.30 0.2
 SRS 85.07 311 ePc 49 30.38 -0.4
 KKB 85.23 312 eP 49 31.00 -0.6
 SOH 85.32 311 ePc 49 31.50 -0.6
 PAIG 85.33 310 ePc 49 30.38 -1.7
 KNT 85.56 311 iPc 49 32.58 -0.7
 PSZ 85.64 318 eP 49 28.80 -4.8X
 VAY 85.75 312 iP 49 34.00 -0.2
 50 01.30
 GRG 85.98 311 ePc 49 33.14 -2.2
 NAO 85.98 332 P 49 33.10 -1.9
 0.8s 6.70nm 4.9mb
 LIT 86.16 310 ePd 49 35.66 -0.6
 SKO 86.38 312 eP 49 36.50 -0.8
 50 04.70
 53 27.50
 AGG 86.58 309 ePd 49 37.90 -0.5
 SRO 86.68 319 e(P) 49 38.60 0.0
 50 06.40
 53 26.00
 FNA 86.77 311 ePd 49 39.30 0.0
 KSP 86.91 322 ePc 49 40.00 0.3
 50 08.30
 53 27.20
 OHR 87.09 312 eP 49 39.40 -1.5
 ZST 87.32 319 eP 49 42.20 0.5
 50 13.00
 53 39.80
 PRU 88.26 322 eP 49 46.50 0.3
 50 15.00
 50 17.70
 BRG 88.29 323 eP 49 52.10 5.8X
 1.8s 52.00nm 5.5mb
 50 14.40
 50 15.40
 51 26.70
 53 37.10
 CLL 88.67 323 eP 49 51.00 2.9X
 1.9s 46.00nm 5.4mb
 50 20.00
 KHC 89.17 321 eP 49 51.00 0.4
 50 18.00
 GRF 90.36 322 iPc 49 56.60 0.5
 YKA 91.52 22 eP 50 00.70 -0.5
 0.9s 3.60nm 4.7mb
 CDF 93.25 322 eP 50 09.40 -0.2
 1.0s 4.00nm 4.8mb
 LPG 94.91 320 eP 50 17.70 0.2
 0.8s 4.05nm 4.9mb
 LPL 94.91 320 eP 50 15.60 -1.9
 0.8s 5.35nm 5.0mb
 KIC 121.47 287 PKP 55 51.00 1.4
 S.D. = 1.0 on 90 of 105 obs.

JUN 16, 1991 20h 37m 20.31 ± 0.41s
 15.080 N ± 6.4km 120.585 E ± 9.7km
 DEPTH = 10.0km (geophysicist)
 5.5mb (13 obs.) 5.0Msz (2 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

OVP 0.61 138 P 37 40.00 7.4X
 CVP 2.87 24 P 38 07.50 0.6
 MAP 5.77 145 P 38 57.50 9.4X
 QZH 9.99 350 P 39 47.00 0.1
 0.7s 77.00nm 6.3mb
 Z 14s 26.40um
 N 14s 13.50um
 ANP 10.09 5 eP 39 48.00 -0.4
 SSE 15.95 2 Pc 41 05.00 -1.4
 7.0s 1600.00nm 5.3mb X
 Z 17s 19.50um 4.6Msz
 N 17s 10.10um
 E 15s 7.40um
 WHN 16.42 341 Pc 41 12.00 -0.4
 1.5s 100.00nm 4.7mb
 Z 16s 10.70um 4.1Msz X
 N 16s 5.80um
 E 16s 19.90um
 TIA 21.27 352 eP 42 09.20 0.1
 3.0s 1000.00nm 5.7mb
 Z 14s 8.10um 5.3Msz X
 N 15s 7.30um
 S 46 03.00
 GUMO 23.57 91 eP 42 38.00 6.0X
 PJG 23.57 91 eP 42 39.00 7.0X
 eTT 05 31.70
 DL2 23.75 2 Pc 42 33.00 -0.5
 1.8s 620.00nm 5.9mb
 Z 16s 8.00um 5.3Msz X
 E 14s 9.00um
 S 46 42.00
 PSI 24.65 242 ePc 42 49.50 7.0X
 BJI 25.16 352 eP 42 49.50 2.3
 1.5s 300.00nm 5.8mb
 Z 22s 7.68um 5.2Msz
 N 14s 4.70um
 LZH 25.72 327 eP 42 52.50 -0.2
 1.5s 230.00nm 5.6mb
 Z 16s 17.70um 5.7Msz X
 N 13s 13.90um
 MAT 26.53 33 eP 43 12.00 12.0X
 1.2s 25.00nm
 Z 20s 3.55um 4.9Msz
 eS 47 30.00
 SNY 26.78 5 Pc 43 02.00 -0.2
 1.0s 100.00nm 5.5mb
 Z 17s 10.80um 5.5Msz X
 N 14s 6.70um
 E 14s 2.50um
 PP 43 43.00
 BTO 27.04 342 P 43 05.00 0.2
 N 15s 6.60um
 E 12s 4.10um
 MDJ 30.42 13 eP 43 33.00 -2.0
 1.2s 23.00nm 4.9mb
 N 18s 4.70um
 E 14s 3.40um
 sP 43 45.00
 sS 48 43.00
 RAB 36.68 119 e(P) 44 36.00 6.5X
 HYB 40.36 279 eP 44 58.50 -1.8
 GBA 41.78 274 Pd 45 11.40 -0.4
 1.2s 49.70nm 5.1mb
 KSH 45.88 311 eP 45 46.00 1.1
 N 13s 4.10um
 E 12s 4.30um
 S 52 28.00
 RMO 49.57 146 eP 46 13.00 -0.7
 QUE 51.30 297 eP 46 25.80 -1.3
 eS 53 45.60
 BWA 55.90 152 eP 47 01.40 0.6
 CAN 56.91 152 eP 47 06.90 -1.1
 CNB 57.07 152 eP 47 09.00 -0.2
 e 50 29.00
 DZM 58.17 128 iPc 47 17.30 0.2
 TAB 60.55 305 iP 48 25.00 -0.7
 e 51 44.00
 ABHA 74.10 285 eP 49 00.00 0.6
 OBN 74.35 324 iPd 48 58.00 -1.8
 1.0s *****nm 8.4mb X
 Z 17s 2.40um 5.6Msz X
 N 17s 1.20um
 E 17s 1.70um
 e 52 15.00
 e 58 28.00
 FBA 77.16 26 P 49 16.20 0.6
 NUR 79.91 330 iP 49 29.80 -0.8

0.8s 22.00nm 5.2mb
 i 49 34.60
 CFR 81.15 314 eP 49 37.00 -0.6
 PSN 81.46 313 eP 49 40.00 0.8
 INK 81.86 21 eP 49 40.50 -0.3
 MBC 82.23 12 eP 49 42.50 -0.1
 1.0s 20.00nm 5.2mb
 KDZ 83.92 311 eP 49 52.00 0.0
 VKA 88.09 320 e(P) 50 16.00 3.6X
 2.0s 119.00nm 5.9mb
 PTJ 89.16 317 eP 50 20.40 2.7
 KMR 89.53 320 iP+ 50 21.20 1.9
 VBY 89.76 317 eP 50 22.50 2.1
 MOX 90.03 323 eP 50 22.00 0.4
 1.9s 37.00nm 5.3mb
 GRF 90.65 322 iPc 50 24.80 0.3
 e 50 28.80
 BAO 168.97 266 e(PKP) 57 28.00 -1.5
 LPB 171.52 101 PKP 57 33.00 1.8
 S.D. = 1.2 on 38 of 46 obs.
 JUN 16, 1991 20h 39m 04.56 ± 0.48s
 43.126 N ± 7.2km 146.508 E ± 8.1km
 DEPTH = 44.4km (2 depth phases)
 4.6mb (9 obs.)
 KURIL ISLANDS (221)
 KUSJ 1.32 269 iPd 39 25.90 -0.9
 eS 39 39.80
 HOOJ 2.49 254 eP 39 44.70 1.3
 eS 40 13.00
 ASAJ 2.98 291 iPd 39 51.50 1.1
 MRRJ 4.06 262 P 40 06.40 0.6
 eS 40 48.30
 AOMJ 5.25 243 eP 40 23.50 1.0
 OFUJ 5.45 224 P 40 25.50 0.1
 S 41 24.20
 YAMJ 6.98 227 P 40 46.20 -0.6
 eS 42 02.40
 NIJJ 8.22 227 eP 41 03.70 -0.3
 KAKJ 8.46 217 eP 41 06.80 -0.6
 eS 42 32.20
 CHJJ 9.14 222 eP 41 15.70 -1.1
 eS 42 51.50
 MAT 9.16 227 eP 41 16.00 -1.1
 0.7s 11.64nm 5.1mb X
 eS 43 04.00
 MTMJ 9.35 229 eP 41 19.30 -0.4
 IIDJ 10.13 224 eP 41 30.80 0.4
 TSRJ 11.12 231 eP 41 44.80 0.9
 YAK 21.37 338 eP 43 47.00 -2.9
 e 45 26.00
 i 45 57.00
 e 49 14.00
 e 52 44.00
 IMA 39.46 34 eP 46 32.80 0.9
 FBA 41.88 36 P 46 53.00 1.4
 e 47 05.80 48km
 TOA 42.79 40 eP 46 52.10 -7.1X
 INK 47.18 30 eP 47 33.50 -0.5
 MBC 49.55 18 eP 47 51.00 -1.4
 YKA 56.58 33 eP 48 43.80 -0.9
 0.6s 1.20nm 4.1mb
 TNP 69.19 57 P 50 10.00 1.2
 pP 50 22.20 41km
 EKA 78.58 343 Pd 51 02.60 0.0
 0.5s 2.80nm 4.5mb
 LBF 84.34 335 eP 51 32.80 -0.2
 0.6s 2.70nm 4.5mb
 SSF 84.41 336 eP 51 33.20 -0.1
 0.6s 2.70nm 4.5mb
 SMF 84.69 335 eP 51 34.60 -0.1
 0.8s 6.70nm 4.8mb
 AVF 84.70 336 eP 51 34.80 0.1
 0.4s 2.00nm 4.6mb
 MAF 85.45 336 eP 51 39.20 0.6
 0.6s 3.60nm 4.7mb
 LSF 85.73 336 eP 51 40.30 0.3
 0.6s 4.50nm 4.9mb
 CAF 86.78 336 eP 51 46.20 1.1
 0.8s 6.05nm 4.9mb
 S.D. = 1.0 on 29 of 30 obs.
 JUN 16, 1991 20h 40m 40.57 ± 0.35s
 15.170 N ± 5.2km 120.323 E ± 6.6km
 DEPTH = 10.0km (geophysicist)
 5.2mb (20 obs.)

16d 20h

LUZON, PHILIPPINE ISLANDS (249)

QVP	0.85	129 P	40	57.50	0.5
TGY	1.21	151 P	41	05.00	1.8
SZP	2.37	3 P	41	24.30	4.2X
CVP	2.90	30 P	41	26.00	-1.6
MAP	5.99	143 P	42	17.50	6.0X
OZH	9.86	351 P	43	06.80	1.4
	0.7s	70.00nm			6.2mb
QIZ	10.73	292 eP	43	15.10	-2.3
N	10s	4.90um			
E	14s	5.90um			
		S	45	13.10	
TSM	11.10	192 eP	43	22.50	0.0
SSE	15.87	3 P	44	26.70	1.0
	1.4s	100.00nm			4.8mb
WHN	16.25	341 P	44	37.00	6.4X
	1.2s	100.00nm			4.8mb
MKS	20.27	182 iPc	45	20.00	0.8
CHTO	20.76	283 P	45	24.60	0.3
KHT	21.00	272 iPd	45	29.20	2.5
TIA	21.15	353 P	45	27.90	-0.2
XAN	21.43	333 P	45	33.00	2.0
CD2	21.81	319 P	45	35.80	0.9
	1.0s	160.00nm			5.4mb
TIY	23.52	344 eP	45	53.00	1.3
	1.6s	160.00nm			5.3mb
DL2	23.67	3 P	45	53.00	-0.1
	1.6s	380.00nm			5.7mb
TRT	23.97	199 ePd	45	56.10	0.0
	0.6s	89.60nm			5.5mb
LZH	25.51	328 eP	46	11.00	0.0
	2.0s	180.00nm			5.4mb
Z	13s	0.53um			4.2MszX
N	13s	6.06um			
		pP	46	20.00	32kmX
		sP	46	25.00	
HHC	26.70	345 eP	46	24.20	2.3
	1.2s	38.00nm			5.0mb
MDJ	30.39	13 eP	46	54.20	-0.8
GUN	34.33	297 P	47	29.20	-0.9
	0.8s	86.00nm			5.7mb
PKI	34.65	297 P	47	31.40	-1.4
KKN	34.82	297 P	47	32.60	-1.5
	0.8s	47.00nm			5.4mb
DMN	34.92	297 P	47	33.60	-1.4
	0.8s	44.00nm			5.4mb
PMG	36.10	131 eP	47	43.00	-1.8
HYB	40.10	279 eP	48	18.50	0.1
	1.2s	60.60nm			5.1mb
ASPA	40.82	161 eP	48	19.00	-5.1X
	0.7s	18.30nm			4.9mb
		i	48	59.50	
GBA	41.52	273 Pd	48	30.00	0.0
	1.0s	26.90nm			4.9mb
QUE	51.03	297 eP	49	44.60	-0.8
	1.1s	44.30nm			5.3mb
MAIO	57.76	303 iPd	50	34.50	0.1
DZM	58.42	128 iPc	50	37.30	-1.9
KEV	77.04	339 eP	52	35.00	-0.1
FBA	77.19	26 P	52	36.80	0.8
HRI	77.39	301 iPc	52	38.50	0.6
SOD	77.54	337 eP	52	38.00	0.1
KAS	77.59	310 iPc	52	38.70	-0.1
DSI	77.99	300 iPc	52	41.80	0.7
MBH	78.75	298 iPc	52	45.90	0.5
NUR	79.70	330 iP	52	51.00	1.2
	0.7s	11.40nm			5.0mb
INK	81.87	21 eP	53	01.00	-0.1
CVO	82.12	315 eP	53	03.00	0.0
MBC	82.19	12 ePc	53	01.60	-1.1
	1.0s	12.00nm			5.0mb
HFS	85.02	331 eP	53	16.50	-0.8
	1.1s	23.90nm			5.3mb
KRA	85.03	320 eP	53	16.90	-0.7
		i	53	20.20	
NAO	86.05	332 P	53	20.50	-2.0
	0.8s	10.60nm			5.1mb
KHC	89.24	321 P	53	38.50	0.3
	Z	20s			5.6Msz
	N	14s			0.80um
	E	20s			1.90um
		S.D. = 1.2	on 44 of 48 obs.		
%	JUN 16, 1991	20h	47m	04.67±0.86s	
	40.687°N ± 7.3km		23.363°E ± 7.0km		
	DEPTH = 10.0km		(geophysicist)		

GREECE (364)

SOH	0.13	357 iPd	47	08.21	0.3
THE	0.31	260 ePc	47	11.18	0.1
		eS	47	15.30	
SRS	0.46	22 ePc	47	14.10	0.0
		eS	47	19.18	
OUR	0.59	127 ePd	47	16.50	-0.1
KNT	0.59	324 ePc	47	16.29	-0.3
		eS	47	24.42	
	S.D. = 0.3	on 5 of 5 obs.			
	JUN 16, 1991	20h	49m	01.66±0.21s	
	39.540°N ± 4.0km		144.699°E ± 3.3km		
	DEPTH = 30.9km		(8 depth phases)		
	5.2mb (53 obs.)		5.4Msz (7 obs.)		
	OFF EAST COAST OF HONSHU, JAPAN (229)				
OFUJ	2.40	260 iPd	49	39.50	-0.1
		S	50	07.00	
HOOJ	3.04	340 P	49	46.60	-2.0
		eS	50	20.80	
ADMJ	3.47	288 iP+	49	55.10	0.2
		S	50	34.30	
KUSJ	3.55	0 P	49	52.10	-3.9X
		eS	50	30.90	
YAMJ	3.89	251 iPd	50	00.50	-0.2
		S	50	44.30	
MRRJ	3.98	318 eP	50	00.50	-1.5
		eS	50	43.80	
ASAJ	4.83	342 eP	50	11.80	-2.2
		eS	51	07.40	
KAKJ	4.89	228 iPd	50	12.30	-2.6
		eS	51	05.40	
NIIJ	5.03	245 P	50	16.30	-0.7
		eS	51	13.30	
CHJJ	5.71	234 P	50	24.50	-2.0
		S	51	25.80	
MAT	5.93	242 iPd	50	29.30	-0.4
	0.7s	107.53nm			5.6mb
		iS	51	36.20	
MTMJ	6.19	244 eP	50	32.70	-0.7
IIDJ	6.75	235 P	50	40.80	-0.4
		S	51	54.80	
TSRJ	7.99	243 P	50	59.00	0.4
		eS	52	29.60	
MDJ	12.31	299 eP	51	56.00	-1.7
	1.5s	89.00nm			5.7mb
SNY	16.18	285 eP	52	46.80	-1.5
	1.4s	30.00nm			4.2mb
SSE	20.91	254 Pd	53	44.00	0.1
	1.3s	41.00nm			4.7mb
BJI	21.89	280 eP	53	53.50	-0.2
	1.5s	88.00nm			5.0mb
		S	57	49.00	
TIA	21.99	270 eP	53	53.20	-1.6
NJ2	22.21	258 P	53	57.00	0.1
YAK	24.29	343 iPd	54	15.30	-1.7
		e	54	29.00	57kmX
		e	58	34.00	
TIY	25.20	276 Pd	54	27.20	1.1
	1.1s	49.00nm			5.0mb
WHN	26.32	259 Pd	54	37.00	0.6
	0.7s	30.00nm			5.0mb
		pP	54	44.00	25km
BTO	26.46	284 P	54	38.50	0.7
IRK	30.44	308 ePc	55	13.60	0.2
		e	55	20.20	23km
		e	55	36.00	
		e	56	03.20	
GYA	34.21	259 P	55	47.00	0.3
CD2	34.30	268 P	55	47.00	-0.3
	0.8s	15.00nm			5.0mb
GTA	34.37	284 iPd	55	48.80	0.8
	1.0s	20.00nm			5.0mb
		sP	56	03.60	
KMI	37.91	261 P	56	19.00	0.9
WMO	42.07	295 P	56	52.50	0.3
	1.5s	16.00nm			4.5mb
IMA	43.21	32 eP	57	01.40	0.1
CHG	44.41	256 eP	57	07.50	-3.9X
CHTO	44.41	256 P	57	12.40	1.0
LSA	44.58	274 P	57	14.60	1.4
PMR	45.07	38 eP	57	15.40	-0.7
FBA	45.60	33 eP	57	20.10	-0.2
TOA	46.44	37 eP	57	27.60	0.5
GUN	49.49	275 P	57	52.00	0.4

		0.9s	96.00nm			5.8mb
KKN		50.01	275 P	57	56.00	0.5
		0.7s	96.00nm			5.9mb
PKI		50.02	275 P	57	55.72	0.0
DMN		50.24	275 P	57	57.50	0.3
		1.0s	44.00nm			5.4mb
GKN		50.40	276 P	57	58.64	0.3
INK		50.97	28 ePd	58	01.30	-0.6
			pP	58	12.00	37km
MBC		53.38	17 ePd	58	19.00	-0.9
		0.9s	5.00nm			4.5mb
NDI		55.74	281 iPd	58	36.00	-1.8
KBS		58.64	350 eP	58	57.50	-0.2
WRA		59.96	191 P	59	08.00	0.6
		0.6s	7.80nm			5.0mb
YKA		60.33	32 eP	59	07.60	-1.9
		0.7s	2.80nm			4.5mb
HYB		60.84	269 eP	59	13.00	-0.6
KEV		62.01	340 eP	59	20.00	-0.8
Z		16s	2.00um			5.4MsZ X
			LR	27	20.00	
QUE		62.66	288 eP	59	25.50	-0.4
DAG		63.50	356 iPc	59	29.50	-1.0
		0.9s	10.08nm			4.9mb
SOD		63.65	338 iP	59	30.90	-0.7
ASPA		63.68	191 iPd	59	31.10	-1.2
		0.9s	17.80nm			5.2mb
			e	59	41.30	33km
GBA		63.97	266 P	59	34.30	-0.1
		0.8s	27.80nm			5.4mb
DZM		64.57	158 iPc	59	38.90	0.7
PNT		64.58	46 eP	59	37.00	-1.0
MAIO		64.79	297 eP	59	39.00	-0.7
RMO		65.79	176 iPc	59	46.00	0.1
WDC		67.51	55 eP	00	13.80	16.9X
WARB		67.52	198 eP	59	57.00	0.1
OBN		67.62	324 iPd	59	57.00	-0.2
		1.0s	*****nm			8.5mb X
ORV		68.74	56 eP	00	13.90	9.3X
NUR		68.94	333 iP	00	04.60	-0.7
		0.8s	27.90nm			5.4mb
Z		16s	3.00um			5.6MsZ X
			LR	27	22.00	
BRK		69.20	58 eP	00	16.20	8.9X
FFC		70.19	34 eP	00	12.00	-1.1
		0.7s	8.00nm			4.9mb
CMB		70.32	57 eP	00	14.00	-0.3
LRM		70.55	46 ePd	00	15.10	-0.7
PRS		70.66	59 eP	00	16.30	0.0
FRI		71.37	57 eP	00	19.20	-1.3
UPP		71.81	335 iP	00	22.10	-0.7
ISA		72.95	58 eP	00	31.00	0.9
CLC		73.43	57 eP	00	32.00	-0.9
FRB		73.72	15 eP	00	33.00	-0.9
SBB		73.96	58 eP	00	35.00	-1.0
GSC		74.26	57 eP	00	37.00	-0.7
TPC		75.48	58 eP	00	44.00	-0.7
BAR		75.94	59 eP	00	47.00	-0.3
GLA		76.93	58 eP	00	53.00	0.1
KRA		78.43	327 iP	01	01.40	0.7
			e	01	11.80	33km
			e	01	20.40	
KSP		79.29	330 iPd	01	06.20	0.8
		1.0s	27.00nm			5.2mb
CLL		80.17	332 iPd	01	10.50	0.4
		1.2s	41.00nm			5.3mb
			iP	01	20.30	31km
BRG		80.17	331 iP	01	10.40	0.3
		1.0s	20.00nm			5.1mb
			i	01	20.20	31km
PRU		80.65	330 Pd	01	13.50	0.8
		1.0s	17.40nm			5.0mb
			e	01	24.30	35km
			e	01	31.50	
SRO		80.84	327 iP	01	14.10	0.4
ALO		81.01	52 eP	01	15.00	-0.1
		1.0s	6.50nm			4.6mb
Z		20s	0.53um			4.9MsZ
ZST		81.05	328 eP	01	15.10	0.3
WIT		81.09	336 eP	01	17.00	2.1
MOX		81.22	332 iP	01	16.40	0.7
		1.5s	19.00nm			4.9mb
Z		15s	1.50um			5.5MsZ X
N		19s	2.30um			
E		20s	1.10um			
EKA		81.59	342 Pd	01	18.00	0.5
		0.8s	8.80nm			4.8mb

WTS 81.74 335 eP 01 19.00 0.7
0.9s 18.00nm 5.1mb
GRF 82.15 332 eP 01 21.30 0.8
1.1s 36.00nm 5.3mb
Z 19s 1.80um 5.5msz
HRI 82.20 307 eP 01 22.40 1.2
ENN 83.08 335 eP 01 26.00 0.7
1.0s 33.00nm 5.4mb
DSI 83.57 306 eP 01 29.50 1.3
DMU 83.77 344 eP 01 29.90 1.1
SOH 83.82 319 ePc 01 29.30 -0.1
VAY 83.84 320 iP 01 29.70 0.3
GWF 84.04 333 P 01 30.80 0.5
PAIG 84.32 319 ePc 01 44.65 12.8X
DCN 84.37 344 eP 01 32.40 0.6
WLS 84.61 333 P 01 33.76 0.6
CDF 84.64 333 P 01 33.78 0.4
PRNI 84.64 305 eP 01 35.10 1.5
LIT 84.80 319 ePd 01 34.14 -0.1
FEL 84.83 332 P 01 34.67 0.3
FNA 84.84 320 ePc 01 34.82 0.3
ECH 84.85 333 P 01 34.73 0.4
OHR 84.87 321 eP 01 34.90 0.3
MOF 85.17 333 P 01 36.31 0.3
VITF 85.25 334 P 01 36.69 0.3
BSF 85.30 333 eP 01 36.80 0.0
0.8s 6.70nm 4.9mb
HAU 85.31 333 eP 01 37.10 0.4
0.8s 14.80nm 5.3mb
Z 20s 1.90um 5.5msz
BBS 85.36 332 P 01 37.41 0.4
TUL 86.50 45 eP 01 41.60 -1.2
0.6s 4.70nm 4.9mb
Z 22s 0.62um 5.0msz
LOR 86.79 334 eP 01 44.30 0.3
0.8s 28.90nm 5.6mb
Z 20s 1.77um 5.5msz
FLN 86.83 338 eP 01 44.30 0.2
0.8s 14.80nm 5.3mb
Z 20s 2.28um 5.6msz
LDF 86.87 337 eP 01 45.10 0.7
0.7s 5.50nm 4.9mb
LBF 87.00 334 eP 01 45.30 0.2
0.8s 20.15nm 5.4mb
SSF 87.09 335 eP 01 45.90 0.5
1.0s 33.00nm 5.5mb
GRR 87.27 338 eP 01 46.50 0.2
0.8s 13.45nm 5.2mb
LPL 87.30 332 eP 01 48.00 1.2
0.9s 13.10nm 5.2mb
LPG 87.31 332 eP 01 48.20 1.3
1.0s 19.00nm 5.3mb
SMF 87.34 334 eP 01 47.10 0.4
1.0s 41.00nm 5.6mb
AVF 87.38 335 eP 01 47.40 0.6
LPF 87.65 338 eP 01 49.00 0.9
0.8s 14.00nm 5.3mb
BGF 87.75 335 eP 01 49.00 0.4
0.8s 12.10nm 5.2mb
MAF 88.14 335 eP 01 51.30 0.8
1.0s 34.00nm 5.6mb
TCF 88.20 335 eP 01 51.50 0.7
0.8s 9.40nm 5.2mb
LSF 88.45 335 eP 01 52.60 0.6
0.8s 30.90nm 5.7mb
MFF 88.66 337 eP 01 53.50 0.5
0.8s 10.75nm 5.2mb
RJF 89.29 335 eP 01 56.70 0.7
0.6s 7.20nm 5.2mb
Z 20s 1.42um 5.4msz
CAF 89.45 334 eP 01 57.90 1.1
0.8s 19.50nm 5.5mb
LFF 89.87 335 eP 01 59.80 1.1
0.6s 12.65nm 5.4mb
LPO 89.95 335 eP 02 00.00 0.9
0.6s 9.00nm 5.2mb
ZOB0 143.19 60 PKP 08 21.00 -14.4X
CNCB 143.67 61 PKP 08 33.70 -2.5
CCH 145.31 59 PKP 08 39.50 0.8
SIV 147.50 51 PKPd 08 41.60 -0.3
S.D. = 0.9 on 132 of 139 obs.

* JUN 16, 1991 21h 20m 35.34 ± 2.00s
5.456 N ± 14.3km 94.537 E ± 12.4km
DEPTH = 147.4 ± 20.8 km
4.4mb (6 obs.)

NORTHERN SUMATERA (706)

IPM 6.52 97 ePd 22 10.20 0.1
0.5s 15.00nm 4.6mb
CHTO 13.96 18 ePc 23 48.00 0.0
GBA 18.70 297 Pc 24 44.80 -0.2
0.7s 11.00nm 4.3mb
HYB 19.64 309 eP 24 54.50 -0.4
QUE 35.78 317 eP 27 23.20 0.9
BJI 39.56 26 eP 27 53.00 -0.5
WB2 46.58 124 iPd 28 43.40 -7.0X
0.5s 14.00nm 4.9mb
ASPA 48.09 129 iPc 29 03.20 1.1
0.4s 15.00nm 5.1mb
STK 58.17 133 eP 30 15.00 -1.2
1.9s 1.70nm 3.7mb
HFS 80.73 330 eP 32 33.50 0.3
0.7s 1.10nm 3.7mb
S.D. = 0.9 on 9 of 10 obs.

& JUN 17, 1991 00h 09m 37.00s
63.478 N 149.510 W
DEPTH = 111.4km
CENTRAL ALASKA (1)
<AEIC>.

RND 0.30 103 iPd 09 52.99 1.5
eS 10 05.18
TRF 0.35 266 iPd 09 53.29 -0.3
eS 10 05.73
MCK 0.36 45 iPd 09 53.37 -0.1
eS 10 05.20
HUR 0.51 187 ePd 09 53.78 -0.5
eS 10 06.24
BWN 0.70 2 iPd 09 55.73 0.0
eS 10 09.53
NEA 1.12 10 ePd 09 59.08 -0.8
eS 10 15.76
CUT 1.13 198 ePc 09 59.55 -0.4
eS 10 16.97
WRH 1.18 31 iPd 10 00.11 -0.4
eS 10 16.97
CCB 1.39 32 iPd 10 02.43 -0.5
eS 10 21.23
RDS 1.48 23 ePc 10 03.55 -0.5
eS 10 23.19
MDM 1.59 20 iPc 10 04.89 -0.5
FBA 1.61 27 eP 10 03.00 -2.6
0.9s 35.42nm
GHO 1.73 171 iPc 10 07.04 -0.2
SML 1.76 162 iPc 10 07.13 -0.4
SKT 1.77 213 iPc 10 06.44 -1.2
eS 10 28.50
GLM 1.78 31 ePc 10 07.21 -0.5
PWA 1.84 185 ePc 10 08.59 0.1
eS 10 33.11
PAX 1.90 104 eP 10 09.80 0.5
S 10 34.44
PLRM 1.90 175 ePc 10 08.39 -0.8
SCM 1.93 148 ePc 10 09.07 -0.7
SDG 2.05 116 ePd 10 11.18 0.8
TOA 2.06 130 eP 10 11.92 0.5
SUA 2.10 196 eP 10 12.17 0.2
KNK 2.13 166 eP 10 11.28 -1.0
PMS 2.24 181 eP 10 13.59 -0.1
DOT 2.44 84 eP 10 16.13 -0.2
SPU 2.59 208 ePc 10 18.37 0.0
BGL 2.60 212 eP 10 17.83 -0.6
KLU 2.60 138 eP 10 17.76 -0.7
GLI 2.84 155 eP 10 20.09 -1.6
RDT 3.22 206 ePc 10 26.47 -0.3
KNIM 3.25 164 ePc 10 25.75 -1.4
SEW 3.39 179 eP 10 27.76 -1.2
LTI 3.54 166 eP 10 29.13 -1.9
BALM 4.15 123 eP 10 38.00 -1.5
35 obs. associated

JUN 17, 1991 00h 26m 26.26 ± 1.13s
34.704 N ± 8.4km 24.407 E ± 6.1km
DEPTH = 27.8 ± 7.6 km
3.9mb (13 obs.)

CRETE (370)

ML 4.3 (ATH).
NPS 1.14 60 ePb 26 45.00 -1.4
VLI 2.34 330 ePn 27 04.00 0.4

ATH 3.31 351 ePn 27 19.50 2.2
ARG 3.39 63 ePn 27 20.00 1.5
YER 3.97 51 ePn 27 28.10 1.2
IZM 4.34 31 ePn 27 33.00 0.9
AGG 4.62 339 ePc 27 35.58 -0.5
iS 28 28.70
ELL 4.92 64 iPn 27 43.30 3.0
PAIG 5.25 354 ePc 27 43.86 -1.0
eS 28 42.34
EZN 5.34 16 ePn 27 41.00 -5.1X
KHL 5.48 47 ePn 27 50.00 1.8
LIT 5.60 345 ePd 27 48.86 -1.0
iS 28 54.50
OUR 5.63 357 ePc 27 48.90 -1.3
eS 28 52.22
IGT 5.81 327 ePd 27 54.74 1.9
eS 28 58.34
KZN 5.97 340 ePn 27 56.00 0.8
THE 6.03 349 ePc 27 56.10 0.3
eS 29 03.66
SOH 6.16 353 ePd 27 58.10 0.3
KGT 6.18 21 eP 27 54.00 -4.0X
KEK 6.21 325 ePn 27 58.00 -0.4
SRS 6.43 354 ePc 28 01.38 -0.2
eS 29 11.38
GRG 6.44 346 ePd 28 01.10 -0.6
FNA 6.53 339 ePc 28 02.34 -0.6
eS 29 15.10
KNT 6.56 350 ePd 28 03.74 0.4
VAY 6.76 348 iP 28 06.40 0.2
MMB 6.89 356 iPd 28 08.00 -0.1
RZN 6.98 2 eP 28 09.00 -0.4
KDZ 6.98 6 eP 28 09.00 -0.3
OHR 7.00 337 ePn 28 07.90 -1.7
KKB 7.23 352 eP 28 13.00 0.3
CSS 7.34 85 e(P) 28 17.50 3.1X
DIM 7.39 7 eP 28 19.00 4.1X
PLD 7.39 2 iPc 28 16.00 1.0
SKO 7.62 343 ePn 28 16.50 -1.7
VTS 7.93 354 iP 28 21.00 -1.7
JMB 7.94 12 eP 28 20.00 -2.6
CZI 8.01 307 P 28 22.70 -0.9
eSn 29 43.30
TDS 8.12 310 P 28 27.10 1.9
CSI 8.22 310 P 28 30.50 3.9X
ORI 8.29 313 P 28 30.90 3.3X
BRT 8.39 319 P 28 29.10 0.1
PVL 8.53 5 eP 28 29.00 -1.9
ZNT 9.21 103 eP 28 39.00 -1.3
SGO 9.28 312 P 28 43.30 2.1
JVI 9.57 104 eP 28 42.80 -2.5
PRNI 9.94 113 eP 28 49.00 -1.4
HQL 10.53 118 eP 29 00.00 1.5
S 30 52.00
SFI 13.37 317 P 29 35.70 -0.9
KHC 16.49 334 P 30 20.50 3.4X
1.0s 7.00nm 3.7mb
PRU 16.90 338 eP 30 24.00 1.8
GRF 17.84 331 iPc 30 35.00 1.1
1.1s 24.00nm 4.2mb
BRG 17.86 338 e(P) 30 35.00 0.8
CLL 18.54 337 eP 30 43.00 0.5
BSF 18.58 320 eP 30 45.00 1.8
0.6s 3.60nm 3.7mb
HAU 18.92 320 eP 30 46.70 -0.6
0.8s 5.35nm 3.8mb
Z 22s 0.05um 5.3mszX
SMF 19.57 314 eP 30 55.90 1.0
0.8s 5.35nm 3.9mb
LBF 19.66 315 eP 30 55.10 -0.8
0.8s 6.05nm 3.9mb
LOR 19.88 315 eP 30 56.30 -1.9
0.6s 1.80nm 3.6mb
Z 22s 0.05um 5.8msz
SSF 19.98 314 eP 30 57.50 -1.7
0.6s 2.70nm 3.8mb
BGF 20.13 313 eP 30 59.70 -1.0
0.8s 5.35nm 3.9mb
ENN 20.93 326 eP 31 16.00 7.1X
0.8s 10.00nm 4.3mb
WTS 21.41 329 eP 31 15.00 1.2
HFS 26.39 348 eP 32 00.60 -1.2
0.6s 2.70nm 4.0mb
NAO 27.57 346 P 32 10.50 -2.1
0.9s 3.40nm 4.0mb
EKA 28.06 326 P 32 24.00 6.9X
0.7s 2.20nm 4.0mb

17d 00h

KIC 38.96 230 P 33 57.10 5.3X
 YKA 77.69 342 eP 38 22.90 1.4
 IMA 79.54 359 eP 38 34.80 3.1X
 FBA 80.54 357 P 38 39.20 2.3
 S.D. = 1.4 on 57 of 68 obs.

% JUN 17, 1991 02h 01m 14.85 ± 0.55s
 43.073 N ± 6.2km 0.619 W ± 3.8km
 DEPTH = 5.0km (geophysicist)
 PYRENEES (378)
 MD 1.0 (STR).

ESCF 0.03 80 Pg 01 16.21 0.1
 Sg 01 17.27
 ATE 0.06 282 Pg 01 16.47 -0.1
 Sg 01 17.82
 ISSF 0.14 251 Pg 01 17.88 0.1
 Sg 01 20.41
 OGE 0.14 48 Pg 01 17.84 0.0
 Sg 01 20.50
 LHE 0.16 181 Pg 01 18.16 0.0
 MADF 0.16 297 Pg 01 18.21 -0.1
 Sg 01 20.74
 JAU 0.19 101 Pg 01 18.66 -0.1
 Sg 01 21.70
 S.D. = 0.1 on 7 of 7 obs.

% JUN 17, 1991 02h 15m 43.58s
 46.931 N 120.335 W
 DEPTH = 5.2km
 WASHINGTON (29)
 <SEA> MD 2.7 (SEA).

EBG 0.16 263 Pd 15 47.11 0.1
 VTG 0.24 83 P 15 48.89 0.4
 TBM 0.30 323 Pc 15 50.49 0.8
 S 15 56.49
 BVW 0.33 111 Pc 15 50.98 0.7
 S 15 57.09
 MXC 0.36 175 P 15 51.17 0.4
 NAC 0.39 240 Pd 15 52.49 1.1
 S 15 59.90
 YAKW 0.43 198 ePd 15 53.18 0.9
 BRVW 0.50 152 P 15 54.41 0.7
 MDW 0.51 129 Pd 15 54.36 0.6
 WAH2 0.56 108 Pc 15 54.94 0.2
 RC1 0.62 89 Pc 15 55.89 -0.1
 LOCW 0.66 109 Pc 15 56.92 0.2
 CRF 0.66 99 ePc 15 56.73 0.0
 EPH 0.66 50 Pc 15 56.23 -0.5
 ETW 0.67 0 Pc 15 56.53 -0.5
 RSW 0.75 136 P 15 58.62 0.1
 MJ2 0.77 119 P 15 58.98 0.1
 OT2 0.78 105 P 15 59.47 0.2
 WTV 0.81 19 P 15 59.22 -0.6
 WRD 0.82 87 P 15 59.37 -0.5
 PRW 0.85 148 P 16 00.75 0.3
 WPW 0.86 255 P 16 00.23 -0.5
 WIW 0.88 124 P 16 00.92 0.1
 CBSW 0.90 13 P 16 00.77 -0.5
 FMW 0.92 271 P 16 01.18 -0.5
 GLK 0.95 248 P 16 02.39 0.2
 SAW 1.00 39 P 16 02.57 -0.4
 ET3 1.02 110 P 16 03.05 -0.3
 GL2 1.03 199 P 16 04.06 0.5
 LON 1.03 260 P 16 03.73 0.2
 RVC 1.12 271 P 16 04.55 -0.6
 DHW2 1.12 20 P 16 04.69 -0.4
 PATW 1.12 159 P 16 05.93 0.9
 RMW 1.13 298 P 16 05.23 -0.1
 NLW 1.15 360 P 16 05.02 -0.6
 ASR 1.17 228 P 16 06.41 0.5
 OD2 1.20 67 P 16 05.75 -0.7
 KOSW 1.36 250 P 16 09.03 -0.2
 WG3 1.36 131 P 16 09.05 -0.1
 LMW 1.37 260 P 16 09.92 0.5
 CDFW 1.44 236 P 16 10.93 0.6
 VGB 1.45 192 P 16 10.49 0.0
 ESD 1.45 240 P 16 11.64 1.0
 JBO 1.51 167 P 16 11.43 0.1
 ERK 1.52 246 P 16 12.32 0.8
 MTMW 1.58 236 P 16 12.83 0.4
 JCW 1.66 320 P 16 13.93 0.4
 RPW 1.71 333 P 16 14.50 0.2
 DPW 1.73 56 P 16 13.21 -1.3
 VTHM 1.76 185 P 16 15.27 0.4
 LNOR 1.77 126 P 16 16.74 1.6

PGW 1.78 301 P 16 16.23 1.1
 GMW 1.78 291 P 16 15.94 0.7
 CROR 2.00 193 P 16 19.21 0.7
 VBEM 2.06 205 P 16 20.04 0.6
 SMW 2.09 282 P 16 21.42 1.7
 56 obs. associated

* JUN 17, 1991 03h 02m 39.87 ± 0.61s
 15.322 N ± 5.4km 120.817 E ± 15.0km
 DEPTH = 10.0km (geophysicist)
 4.1mb (3 obs.)

LUZON, PHILIPPINE ISLANDS (249)

QVP 0.72 165 P 02 53.20 -0.8
 OCP 0.73 160 eP 02 55.00 0.9
 BAG 1.11 348 eP 03 01.00 0.2
 TGY 1.22 175 P 03 02.50 0.0
 CVP 2.56 22 P 03 21.80 -0.2
 WB2 37.49 159 eP 09 48.50 -7.2X
 0.6s 1.80nm 4.0mb
 GBA 41.99 273 Pc 10 33.10 0.0
 0.6s 2.20nm 4.1mb
 NAO 86.14 333 P 15 22.20 -0.1
 0.7s 0.90nm 4.1mb
 S.D. = 0.6 on 7 of 8 obs.

* JUN 17, 1991 03h 04m 45.51 ± 0.65s
 42.252 N ± 13.5km 44.222 E ± 7.7km
 DEPTH = 10.0km (geophysicist)
 4.4mb (5 obs.) 4.5Msz (1 obs.)
 WESTERN CAUCASUS (362)

TAB 4.48 158 eP 06 06.00 10.9X
 KVT 6.23 262 ePn 06 17.50 -2.3
 KAS 7.86 267 eP 06 40.50 -2.2
 MAIO 13.23 112 eP 07 56.00 -0.1
 OBN 13.80 341 eP 08 02.00 -1.2
 Z 12s 0.50um
 N 12s 0.60um

SKO 16.90 277 eP 08 45.00 1.4
 OHR 17.53 274 ePn 08 53.10 1.6
 ZST 19.95 297 eP 09 22.80 2.5
 KSP 20.94 304 eP 09 31.40 0.7
 e 09 41.80
 NUR 21.83 334 iP 09 40.80 1.3
 0.6s 11.70nm 4.5mb

PRU 21.87 301 P 09 43.50 3.4X
 DUI 22.10 279 P 09 43.80 1.3
 KHC 22.38 298 P 09 45.50 0.3
 e 09 53.50

BRG 22.40 303 e(P) 09 48.20 2.9X
 ARV 22.89 284 P 09 51.30 1.0
 CLL 23.07 304 eP 09 54.00 2.1
 1.5s 22.00nm 4.5mb

GRF 23.97 299 eP 10 00.30 -0.3
 e 10 02.10
 MME 24.41 286 P 10 06.50 1.2
 VAI 25.60 290 P 10 15.20 -1.1
 HFS 25.84 324 eP 10 16.10 -2.2
 0.9s 7.30nm 4.4mb

NAO 27.41 324 P 10 30.40 -2.4
 1.1s 4.40nm 4.1mb
 WMO 31.55 72 eP 11 10.00 0.0
 Z 15s 0.60um 4.4MszX

LZH 45.82 77 eP 13 13.00 3.6X
 1.5s 17.00nm 4.8mb
 Z 16s 0.24um 4.2MszX

HHC 49.20 68 eP 13 39.00 3.3X
 XAN 50.45 77 P 13 47.00 1.7
 TIY 51.20 71 eP 13 55.00 4.0X
 Z 20s 0.50um 4.5Msz
 N 20s 0.68um

CHG 51.62 99 eP 13 55.00 1.5
 NNT 56.25 105 eP 14 27.80 -0.6
 MTD 59.88 194 iPd 14 52.30 -1.5
 FBA 72.77 5 P 16 14.70 -0.7
 YKA 74.22 350 eP 16 21.90 -1.9
 S.D. = 1.6 on 25 of 31 obs.

JUN 17, 1991 03h 10m 40.32 ± 1.91s
 5.382 N ± 7.0km 126.097 E ± 11.2km
 DEPTH = 151.8 ± 19.1 km

4.5mb (8 obs.)
 MINDANAO, PHILIPPINE ISLANDS (259)

TSM 8.08 262 eP 12 38.00 2.1
 AAI 9.25 167 eP 12 50.10 -1.4
 OIZ 20.86 312 eP 15 13.00 1.2
 KNA 21.16 173 eP 15 15.00 0.2
 ASPA 29.86 166 eP 16 33.00 -2.6

0.3s 2.80nm 4.5mb
 WARB 31.38 179 eP 16 50.00 1.1
 BJI 35.64 347 eP 17 23.50 -1.8
 1.0s 7.00nm 4.3mb

MRWA 35.74 195 eP 17 26.30 0.0
 FORR 36.08 177 eP 17 29.40 0.4
 SNY 36.36 357 iPd 17 31.40 0.1
 0.8s 20.00nm 4.9mb

BAL 36.90 194 eP 17 36.00 0.0
 CN2 38.27 359 eP 17 46.50 -0.8
 MUN 38.33 194 eP 17 48.00 0.1
 MDJ 39.20 4 eP 17 55.00 0.0
 STK 39.89 159 iPc 18 01.60 0.8
 0.9s 3.60nm 4.1mb

GTA 41.37 329 Pc 18 12.00 -1.0
 0.4s 10.00nm 4.8mb
 pP 18 21.00 30kmX
 GUN 44.26 305 P 18 36.00 -0.6
 0.5s 44.00nm 5.3mb

PKI 44.51 304 P 18 38.38 -0.6
 KKN 44.70 305 P 18 39.84 -0.5
 DMN 44.78 304 P 18 40.68 -0.3
 GKN 45.31 305 P 18 43.60 -1.4
 GBA 48.61 283 Pd 19 11.10 0.4

0.6s 3.00nm 4.2mb
 YAK 56.57 2 iPc 20 08.50 -0.5
 e 20 37.00
 i 21 14.00
 i 23 17.00
 e 27 51.00
 e 29 44.00

IMA 81.14 24 ePc 22 41.10 1.1
 PMR 82.81 29 eP 22 49.10 0.7
 FBA 83.51 25 eP 22 51.90 -0.1
 TOA 84.22 28 eP 22 58.00 2.3
 INK 88.87 21 eP 23 19.00 0.9

MBC 90.49 13 eP 23 27.00 1.4
 NAO 97.30 333 P 23 55.40 -1.6
 0.7s 1.10nm 4.4mb
 YKA 98.26 24 eP 24 01.70 0.4
 S.D. = 1.2 on 31 of 31 obs.

JUN 17, 1991 03h 25m 35.05 ± 0.94s
 48.619 N ± 9.3km 5.812 E ± 4.5km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

ML 3.0 (LDG). MD 2.5 (STR).

VITF 0.42 164 Pg 25 44.51 0.9
 Sg 25 48.70
 HAU 0.71 150 Pg 25 49.00 -0.1
 Sg 25 55.70
 Sn 25 57.90

ECH 0.98 114 Pg 25 53.46 -0.3
 Sg 26 04.37
 CDF 1.00 101 Pg 25 53.80 -0.2
 Sg 26 05.05

BSF 1.02 140 Pg 25 54.50 0.0
 Sg 26 05.00
 WLS 1.05 101 Pg 25 54.47 -0.3
 Sg 26 06.63

MOF 1.17 130 Pg 25 56.98 0.0
 Sg 26 09.66
 GWF 1.25 73 Pg 25 59.60 1.3
 Sg 26 14.60

LOMF 1.44 151 Pg 26 01.98 0.7
 FEL 1.65 116 Pn 26 02.60 -1.7
 Sg 26 24.95
 LOR 1.88 225 Pn 26 08.50 0.9
 Pg 26 13.90
 Sn 26 30.90
 Sg 26 36.00

LBF 2.05 218 Pn 26 10.30 0.3
 Pg 26 16.80
 Sg 26 41.80
 SSF 2.20 226 Pn 26 12.70 0.5
 Pg 26 19.80
 Sg 26 46.10

SMF 2.38 215 Pn 26 14.40 -0.4
Pg 26 22.90
Sg 26 51.00
AVF 2.47 223 Pn 26 15.80 -0.2
Pg 26 24.60
Sg 26 55.00
BGF 2.88 225 Pn 26 20.10 -1.7
Sg 27 06.40

S.D. = 0.9 on 16 of 16 obs.

? JUN 17, 1991 03h 50m 09.05± 1.97s
40.770 N ±17.3km 29.976 E ±14.4km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.6 (ISK).

HRT 0.24 283 iPg 50 14.80 0.6
iSg 50 18.80
EYL 0.25 146 iPg 50 14.40 0.1
IZI 0.58 222 iPg 50 20.70 -0.1
CTT 1.23 288 iPn 50 31.40 -0.5

S.D. = 0.8 on 4 of 4 obs.

* JUN 17, 1991 03h 54m 46.57± 0.94s
22.541 S ± 9.8km 68.783 W ±11.0km
DEPTH = 93.9 ± 14.9 km

NORTHERN CHILE (123)

ANT 1.90 232 iPc 55 18.20 0.1
iS 55 39.50
CNCB 5.75 8 P 56 17.00 5.4X
i 56 51.20
LPB 6.01 6 P 56 22.00 6.9X
1.0s 70.00nm 4.9mb X

ZOBO 6.27 6 P 56 19.20 0.4
i 56 42.00
ARE 6.56 337 eP 56 22.00 -0.6
iS 57 35.00

SIV 9.77 50 P 57 06.00 -0.1
VAO 20.12 96 eP 59 14.80 -0.6
e 59 19.60
BAO 20.80 74 e(P) 59 23.00 0.5
YKA 92.20 341 eP 07 46.50 0.1

S.D. = 0.6 on 7 of 9 obs.

% JUN 17, 1991 04h 08m 16.94± 2.56s
37.867 N ±16.5km 27.278 E ±27.8km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.3 (ISK).

IZM 0.53 359 iPg 08 26.50 -1.2
eSg 08 34.00
YER 1.08 132 iPn 08 37.00 -0.3
KHL 1.83 75 ePn 08 49.00 0.3
KGT 2.58 0 ePn 09 00.00 0.6
MFT 2.92 0 ePn 09 05.00 0.7

S.D. = 1.1 on 5 of 5 obs.

% JUN 17, 1991 04h 28m 06.34± 1.24s
38.431 N ± 9.2km 27.081 E ±13.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.3 (ISK).

IZM 0.15 103 iPg 28 09.00 -0.8
EZM 1.51 337 ePn 28 33.00 -0.4
YER 1.61 143 ePn 28 35.00 0.1
KHL 1.92 92 ePn 28 40.00 0.5
EDC 2.01 17 ePn 28 41.00 0.4
KGT 2.03 5 ePn 28 40.90 0.0
BNT 2.03 18 ePn 28 41.30 0.3
MFT 2.36 4 ePn 28 45.50 -0.3

S.D. = 0.5 on 8 of 8 obs.

JUN 17, 1991 04h 37m 00.17± 0.63s
36.493 N ±10.6km 71.788 E ± 7.4km
DEPTH = 33.0km (normal)
4.5mb (3 obs.)

AFGHANISTAN-USSR BORDER REGION (717)

QUE 7.48 214 eP 38 49.00 -0.9
eS 40 07.20
NDI 9.03 148 ePn 39 13.00 1.7
eSn 40 50.00
MAIO 9.91 273 eP 39 24.00 0.5

eS 41 04.00
GKN 13.77 124 P 40 16.02 0.6
0.5s 80.00nm 5.7mb X
KKN 14.34 123 P 40 22.70 -0.3
0.4s 42.00nm 5.3mb X
DMN 14.34 124 P 40 22.96 -0.1
0.4s 31.00nm 5.3mb X
PKI 14.57 124 P 40 26.08 0.0
0.4s 51.00nm 5.3mb X
GUN 14.67 122 P 40 26.24 -1.2
0.3s 23.00nm 5.0mb
NAO 44.94 323 P 45 13.20 -0.2
0.6s 0.90nm 3.8mb
YKA 81.22 3 eP 49 14.10 0.5
WB2 81.46 122 eP 49 15.10 -0.5
0.4s 2.30nm 4.5mb

S.D. = 0.9 on 11 of 11 obs.

? JUN 17, 1991 04h 58m 24.99± 7.54s
38.858 N ±29.0km 25.958 E ±63.1km
DEPTH = 10.0km (geophysicist)

AEGEAN SEA (365)
MD 3.5 (ISK).

EZN 1.01 16 iPg 58 44.00 0.0
eSg 58 58.20
IZM 1.12 114 ePn 58 46.00 0.0
KGT 1.90 33 iPn 58 57.60 -0.1
EDC 2.09 44 ePn 59 00.60 0.1
BNT 2.13 45 ePn 59 01.10 0.0
MFT 2.18 27 ePn 59 02.00 0.1
CTT 2.97 39 ePn 59 12.90 -0.1

S.D. = 0.1 on 7 of 7 obs.

JUN 17, 1991 05h 09m 52.56± 0.21s
0.516 N ± 4.3km 122.460 E ± 6.0km
DEPTH = 97.0km (5 depth phases)
5.3mb (28 obs.)

MINAHASSA PENINSULA (265)

BKB2 5.84 252 ePc 11 10.00 -8.2X
MKS 6.43 208 iPc 11 35.30 8.9X
KKM 8.31 312 ePd 11 51.70 -0.5
0.4s 436.50nm 6.5mb X

KUPT 10.66 174 eP 12 29.70 5.8X
KUG 10.67 174 eP 12 29.70 5.7X
TRT 12.75 230 ePd 12 53.80 2.2
MTN 15.82 147 eP 13 32.20 1.2

0.4s 33.00nm 4.9mb
KNA 17.32 159 iPd 13 51.10 1.4
KGM 19.19 275 ePd 14 11.20 -0.3
0.9s 182.30nm 5.4mb

IPM 21.79 281 ePd 14 44.90 6.9X
0.7s 38.80nm 4.9mb
QIZ 22.17 327 Pc 14 42.40 0.7
1.2s 50.00nm 4.7mb

PP 15 09.00
S 18 39.00
SNG 22.76 287 eP 14 49.70 2.2
WB2 23.44 151 eP 14 54.40 0.4
0.7s 18.10nm 4.6mb

NANU 23.91 196 iPc 14 59.00 0.4
LAT 25.50 107 ePc 15 16.30 2.6
NNT 25.53 299 iPd 15 13.00 -0.9
GUMO 25.71 59 eP 15 27.50 11.9X

ASPA 26.48 156 eP 15 22.40 -0.3
0.4s 11.30nm 4.8mb
iPcP 18 45.10
eS 19 46.40

PMG 26.49 112 eP 15 29.00 6.2X
NST 26.69 305 eP 15 26.00 1.4
WARB 26.85 172 eP 15 25.50 -0.5
0.3s 22.00nm 5.2mb

BDT 28.45 307 eP 15 39.30 -1.2
CHG 29.38 310 ePc 15 49.70 0.8
0.9s 23.11nm 4.8mb
GYA 29.94 331 Pc 15 59.20 5.3X
0.8s 200.00nm 5.9mb

MRWA 30.20 191 eP 15 54.80 -1.2
KMI 31.01 324 eP 16 07.00 3.6X
COOL 31.25 182 eP 16 03.50 -1.7
BAL 31.43 190 iPc 16 05.70 -1.1
0.4s 45.00nm 5.6mb

FORR 31.65 171 eP 16 07.90 -0.7
0.4s 18.00nm 5.2mb
KLB 32.24 188 eP 16 12.40 -1.4
0.4s 42.00nm 5.6mb

MUN 32.85 190 eP 16 18.00 -1.1
NWA0 33.63 188 eP 16 24.50 -1.3
0.7s 45.00nm 5.4mb
CD2 35.05 331 P 16 39.10 1.0
0.9s 20.00nm 5.0mb
RKG 35.27 188 eP 16 40.10 0.2
XAN 35.68 341 P 16 44.00 0.6
TIA 35.86 353 eP 16 44.80 0.0
STK 36.96 152 iPc 16 54.40 0.3
0.4s 12.40nm 5.2mb

e 17 18.90 105km
ePcP 19 12.70
eS 22 30.80

TIY 38.15 347 eP 17 04.00 -0.2
ADE 38.43 158 iPd 17 07.50 1.0
0.9s 60.50nm 5.5mb
MAT 38.71 20 eP 17 07.00 -1.7
0.7s 4.11nm 4.4mb

eS 23 12.00
LZH 39.39 336 eP 17 15.00 0.4
1.5s 37.00nm 5.0mb
Z 20s 0.25um 4.0msz

pP 17 33.50 76kmX
PcP 19 19.00
BJI 39.75 352 eP 17 16.50 -0.8
pP 17 45.00 126kmX

BTO 41.47 346 eP 17 34.00 2.5
LSA 41.61 317 P 17 35.00 1.8
BFD 41.86 156 eP 17 34.00 -0.6
TOO 43.47 153 eP 17 49.50 1.8
e 19 35.00 600kmX

GTA 43.90 335 Pc 17 52.00 0.7
1.0s 40.00nm 5.2mb
pP 18 14.00 92km
sP 18 24.00
PcP 19 35.40

MDJ 44.37 7 eP 17 54.50 -0.4
0.8s 21.00nm 5.0mb
GUN 44.37 311 P 17 56.38 0.7
0.4s 140.00nm 6.1mb

PKI 44.56 310 P 17 57.16 0.1
KKN 44.77 311 P 17 58.84 0.2
0.4s 37.00nm 5.6mb
DMN 44.81 310 Pd 17 59.74 0.7
GKN 45.36 310 P 18 03.50 0.2
0.5s 97.00nm 5.9mb

KOD 45.76 284 eP 18 07.00 0.3
HYB 46.33 294 ePc 18 10.70 -0.2
1.0s 140.00nm 5.8mb
e 18 34.50 100km

GBA 46.43 288 Pd 18 11.60 0.0
0.6s 58.00nm 5.6mb
DZM 48.39 121 iPc 18 27.80 0.8
NDI 51.47 307 iPd 18 48.00 -2.4
eSn 31 58.00

WMO 53.07 329 Pd 19 02.00 -0.1
1.0s 30.00nm 5.3mb
sP 19 35.00

QUE 60.35 305 iPc 19 52.80 -1.3
1.0s 83.50nm 5.8mb
YAK 61.59 4 eP 19 59.90 -1.8
e 20 24.00 96km

MAIO 68.13 309 iPc 20 44.00 -0.6
1.1s 24.74nm 5.0mb
HRI 68.97 303 eP 22 28.80 0.2
IMA 67.03 24 eP 22 28.30 0.1
OBN 67.20 325 iPc 22 27.50 -1.5
1.4s *****nm 8.4mb X

i 23 03.00
e 23 03.00
MML 67.23 302 eP 22 30.30 0.6
PRNI 67.55 300 eP 22 31.50 0.2

INK 94.69 21 eP 23 03.50 -0.2
YKA 104.15 24 ePd diff 23 46.70 0.4
TNP 113.14 48 PKP 28 20.50 -0.4
FFC 114.01 26 ePKPd 28 21.30 -0.5
0.9s 11.00nm

BW06 116.56 40 PKP 28 26.60 -0.8
RSSD 119.31 37 PKP 28 32.00 -0.6
GOL 120.81 42 PKP 28 35.60 0.0
ANMO 122.33 47 PKP 28 38.50 0.0

ALO 122.33 47 ePKP 28 38.20 -0.4
SCH 124.33 6 ePKP 28 41.00 -0.6
KIC 126.87 278 PKP 28 47.00 -0.6
TIC 127.11 279 PKP 28 47.50 -0.7

TUL 129.22 40 ePKPc 28 50.10 -1.4
0.8s 10.50nm

17d 05h

BLA 136.90 27 PKP 29 04.80 -1.4
 LNV 144.28 160 ePKP 29 18.00 -1.3
 PCH 144.89 161 iPKPd 29 20.20 -0.3
 JACH 145.72 160 ePKPd 29 20.00 -2.0
 NNA 157.71 121 ePKP 29 40.50 0.7
 0.9s 9.24nm
 CNCB 160.82 148 PKP 29 45.00 1.3
 LPB 160.98 147 PKP 29 45.00 1.3
 ZOBO 161.19 147 PKP 29 45.00 0.9
 1.1s 12.18nm
 CCH 161.22 154 PKP 29 45.80 2.0
 BAO 162.26 212 ePKPd 29 44.80 0.2
 SIV 164.23 167 PKP 29 46.60 0.2
 S.D. = 1.1 on 82 of 91 obs.

% JUN 17, 1991 05h 24m 01.34 ± 1.09s
 38.984 N ± 7.4km 26.878 E ± 15.0km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 MD 3.3 (ISK).

IZM 0.66 153 iPg 24 14.50 0.0
 eSg 24 25.00
 EZN 0.94 333 iPn 24 19.20 -0.1
 KGT 1.50 12 ePn 24 28.80 0.5
 EDC 1.56 29 ePn 24 29.00 -0.1
 BNT 1.59 30 ePn 24 29.40 -0.2
 MFT 1.83 10 ePn 24 33.00 -0.1
 S.D. = 0.3 on 6 of 6 obs.

% JUN 17, 1991 05h 27m 23.02 ± 1.73s
 23.130 N ± 10.8km 121.500 E ± 13.6km
 DEPTH = 10.0km (geophysicist)
 TAIWAN (244)

TWF1 0.29 320 iPd 27 29.50 0.4
 eS 27 33.50
 TWG 0.50 232 iPc 27 33.30 0.1
 eS 27 40.40
 TWK 0.94 279 iPd 27 40.60 -0.4
 eS 27 53.60
 TWD 0.95 5 eP 27 40.60 -0.5
 TWC 1.51 12 eP 27 50.40 0.4
 S.D. = 0.6 on 5 of 5 obs.

JUN 17, 1991 06h 12m 05.07 ± 0.66s
 38.522 N ± 6.9km 25.737 E ± 5.1km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 MD 3.5 (ISK).

PRK 0.83 30 ePb 12 22.00 0.8
 IZM 1.20 95 iPn 12 28.30 0.8
 EZN 1.38 19 iPn 12 30.70 0.4
 PAIG 2.13 312 iPd 12 41.56 0.5
 eS 13 13.52
 OUR 2.26 324 ePd 12 43.24 0.2
 KGT 2.28 32 ePn 12 43.00 -0.3
 YER 2.45 124 ePn 12 47.00 1.3
 EDC 2.46 41 ePn 12 44.00 -1.8
 BNT 2.49 42 iPn 12 44.80 -1.5
 MFT 2.56 27 ePn 12 47.10 -0.2
 RDO 2.63 357 ePn 12 48.00 -0.2
 AGG 2.71 282 ePc 12 49.60 0.1
 eS 13 39.56
 VLI 2.86 232 ePn 12 50.00 -1.6
 LIT 2.97 303 ePc 12 53.08 -0.1
 KNT 3.42 321 ePc 13 01.04 1.5
 S.D. = 1.1 on 15 of 15 obs.

JUN 17, 1991 06h 55m 15.59 ± 0.32s
 35.793 N ± 5.5km 84.872 E ± 5.3km
 DEPTH = 22.6km (2 depth phases)
 4.9mb (26 obs.) 4.7MsZ (5 obs.)
 TIBET (306)

GKN 7.77 182 P 57 10.80 0.5
 0.9s 78.00nm 5.9mb
 GUN 7.91 174 P 57 13.12 0.8
 0.8s 153.00nm 6.3mb X
 KSH 7.95 300 eP 57 11.00 -1.7
 KKN 7.99 177 P 57 13.84 0.5
 0.6s 74.00nm 6.1mb X
 LSA 8.05 137 P 57 21.00 6.5X
 N 10s 10.30um
 E 10s 4.83um
 S 58 45.00

DMN 8.16 179 P 57 16.48 0.6
 0.7s 74.00nm 6.0mb X
 PKI 8.21 177 P 57 17.14 0.6
 0.9s 130.00nm 6.2mb X
 WMO 8.31 14 P 57 13.40 -4.3X
 Z 17s 12.30um
 S 58 52.00
 NDI 9.60 225 eP 57 36.00 0.5
 eS 00 30.00
 GTA 12.39 69 eP 58 11.20 -2.4
 1.6s 30.00nm 5.2mb
 N 11s 14.10um
 sP 58 31.60
 S 00 28.00
 LZH 15.37 83 eP 58 51.00 -1.9
 1.5s 70.00nm 4.7mb
 Z 12s 1.78um 5.3MsZ
 N 11s 4.69um

pP 59 00.00
 eS 01 46.00
 sS 02 00.00
 QUE 16.04 255 eP 58 58.70 -2.8
 CD2 16.51 102 eP 59 09.00 1.7
 sS 02 28.50
 KMI 18.69 120 Pd 59 34.00 -0.6
 4.0s 500.00nm 5.1mb X
 Z 12s 1.80um 5.7MsZ
 pP 59 41.00
 PP 59 51.20
 S 03 06.50

HYB 19.14 199 ePd 59 40.00 -0.1
 1.0s 70.00nm 4.9mb
 eS 05 46.00
 XAN 19.79 88 eP 59 44.50 -2.8
 N 12s 2.70um
 E 10s 2.40um
 S 03 31.00

BTO 20.31 69 eP 59 53.00 0.2
 N 12s 2.00um
 E 12s 1.50um
 MAIO 20.51 279 eP 59 53.00 -1.9
 eS 03 46.00
 GYA 20.81 110 P 59 57.20 -0.8
 Z 12s 1.20um 4.5MsZ
 N 10s 1.00um
 S 03 50.00

IRK 21.49 34 eP 00 06.30 1.7
 HHC 21.50 68 eP 00 04.30 -0.7
 Z 19s 3.10um 4.7MsZ
 pP 00 12.00 28km
 TIY 22.14 77 Pc 00 12.70 1.4
 Z 13s 2.80um 4.9MsZ
 N 19s 15.60um

GBA 23.09 199 Pc 00 19.20 -1.5
 0.7s 7.70nm 4.3mb
 BJI 24.99 71 eP 00 43.00 4.1X
 Z 20s 2.39um 4.7MsZ
 N 12s 2.04um
 eS 05 04.00

TIA 26.04 80 eP 00 52.30 3.5X
 Z 16s 1.90um 4.7MsZ
 N 15s 8.60um
 SSE 30.55 88 eP 01 36.50 6.9X
 Z 20s 1.80um 4.7MsZ
 N 14s 1.40um
 E 14s 0.70um

SN2 31.93 63 eP 01 44.00 2.4
 Z 16s 3.80um 5.2MsZ
 N 12s 1.60um
 E 12s 1.40um
 eP 01 49.00 17km
 eS 06 56.00

OBN 38.05 316 eP 02 36.00 2.3
 Z 12s 1.00um 4.8MsZ
 N 12s 1.00um
 E 12s 0.90um
 e 04 03.00 471kmX
 LO 13 40.00

MLR 44.85 301 eP 03 31.00 1.1
 NAO 51.89 323 P 04 21.20 -3.0
 0.9s 3.20nm 4.3mb
 CLL 52.26 311 eP 04 28.00 0.9
 MOX 53.26 310 eP 04 32.50 -2.0
 2.0s 24.00nm 4.8mb
 Z 17s 0.80um 4.8MsZ
 N 19s 0.80um

E 17s 0.40um
 GRF 53.74 309 e(P) 04 38.40 0.3
 Z 21s 0.50um 4.5MsZ
 e 04 40.00 5kmX
 CDF 56.60 309 eP 04 59.50 0.6
 1.0s 8.00nm 4.7mb
 BSF 57.09 308 eP 05 03.00 0.6
 1.0s 12.00nm 4.9mb
 LPG 57.89 306 eP 05 09.30 1.0
 0.8s 12.10nm 5.0mb
 LPL 57.89 306 eP 05 09.20 0.9
 0.8s 15.45nm 5.1mb
 SBF 58.00 304 eP 05 09.50 0.7
 0.6s 12.65nm 5.1mb
 LOR 59.15 308 eP 05 16.80 0.1
 0.8s 6.70nm 4.8mb
 Z 20s 0.17um 4.2MsZ
 LBF 59.17 308 eP 05 16.90 0.0
 0.8s 6.70nm 4.8mb
 SMF 59.38 308 eP 05 18.50 0.2
 0.8s 8.05nm 4.9mb
 SSF 59.44 308 eP 05 19.00 0.2
 0.8s 7.40nm 4.9mb
 AVF 59.64 308 eP 05 20.50 0.4
 0.9s 9.85nm 4.9mb
 EKA 60.41 319 P 05 31.00 5.8X
 1.4s 16.10nm 5.0mb
 TCF 60.56 308 eP 05 27.20 0.8
 0.8s 8.05nm 4.9mb
 LSF 61.01 308 eP 05 29.70 0.2
 0.8s 5.35nm 4.7mb
 LDF 61.15 311 eP 05 30.60 0.2
 0.9s 9.85nm 4.9mb
 CAF 61.18 306 eP 05 31.70 1.0
 1.0s 9.00nm 4.9mb
 GRR 61.68 311 eP 05 34.20 0.2
 0.7s 8.80nm 5.0mb
 MBC 67.18 6 eP 06 07.00 -2.3
 1.0s 9.00nm 4.9mb
 IMA 68.99 22 eP 06 23.10 2.1
 IFR 71.34 298 iP 06 38.00 2.1
 FBA 71.56 21 eP 06 35.40 -1.0
 INK 72.33 14 eP 06 42.00 1.1
 MTD 72.63 234 eP 06 42.00 -1.5
 KRI 73.97 235 eP 06 52.00 0.6
 ASPA 75.15 134 eP 06 59.40 1.5
 0.9s 6.70nm 4.7mb
 BUL 77.00 233 eP 07 07.30 -1.3
 YKA 80.80 9 eP 07 26.00 -2.4
 FFC 89.65 4 eP 08 14.00 1.3
 1.0s 11.00nm 5.1mb
 SIV 143.83 294 PKP 14 50.80 -0.3
 S.D. = 1.4 on 55 of 61 obs.

& JUN 17, 1991 06h 56m 57.56s
 61.531 N 149.873 W
 DEPTH = 33.9km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.9 (AEIC).

PWA 0.12 359 iPd 57 04.00 0.4
 PMS 0.32 152 iPd 57 05.56 -0.2
 PLRM 0.36 80 iPc 57 05.51 -0.6
 eS 57 12.43
 PMR 0.36 80 iPc 57 06.10 -0.1
 0.5s 750.00nm
 SUA 0.42 261 iPd 57 06.69 -0.5
 eS 57 14.62
 GHO 0.51 61 iPc 57 07.61 -0.8
 eS 57 16.36
 KNK 0.69 99 iPc 57 10.09 -0.8
 eS 57 19.91
 SML 0.79 69 iPc 57 11.02 -1.2
 eS 57 22.33
 CUT 0.90 348 ePc 57 12.89 -0.9
 eS 57 24.83
 SKT 0.91 301 iPd 57 12.83 -1.1
 iS 57 25.57
 NKA 1.03 221 ePc 57 16.12 0.4
 SLKM 1.04 190 ePc 57 14.33 -1.6
 eS 57 28.97
 CGLM 1.05 259 iPc 57 15.29 -0.8
 eS 57 28.13
 NCG 1.10 264 iPc 57 16.13 -0.8
 eS 57 30.82
 SPU 1.11 253 iPc 57 15.88 -1.0
 eS 57 30.85

CRP	1.13	257	ePc	57	16.46	-0.9
			eS	57	31.94	
CKL	1.23	255	iPc	57	17.79	-1.0
BGL	1.24	259	ePc	57	17.90	-1.0
			eS	57	34.98	
SCM	1.25	75	iPc	57	18.15	-0.8
			eS	57	35.03	
SEW	1.45	172	eP	57	20.90	-0.8
HUR	1.46	4	ePc	57	21.41	-0.5
			S	57	40.07	
GLI	1.50	115	iPd	57	20.96	-1.5
			eS	57	40.04	
RDT	1.56	233	iPc	57	22.14	-1.3
			eS	57	42.37	
KNIM	1.58	138	ePd	57	21.07	-2.6
NNL	1.65	206	iPc	57	24.21	-0.4
DFR	1.66	237	iPc	57	23.65	-1.3
VZW	1.67	105	eP	57	23.43	-1.6
REF	1.73	234	iPc	57	24.65	-1.3
RDN	1.74	235	iPc	57	24.51	-1.6
VLZ	1.75	102	ePc	57	24.49	-1.6
			eS	57	46.31	
RS2	1.77	234	ePc	57	25.24	-1.3
RSO	1.77	234	ePc	57	25.25	-1.3
RDW	1.78	235	ePc	57	25.33	-1.3
NCT	1.78	238	iPc	57	25.44	-1.2
LT1	1.79	146	eP	57	24.02	-2.7
RED	1.80	233	ePc	57	25.69	-1.2
			eS	57	47.98	
TOA	1.85	70	ePc	57	28.00	0.4
KLU	1.90	89	ePc	57	26.48	-1.8
TRF	1.94	354	ePd	57	28.19	-0.7
RND	1.94	14	ePd	57	28.22	-0.7
CNPM	2.12	199	eP	57	29.55	-1.8
TZL	2.18	74	eP	57	31.62	-0.5
SDG	2.27	62	eP	57	33.30	-0.3
PAX	2.52	53	ePc	57	37.07	0.0
BWN	2.66	4	eP	57	37.19	-1.8
PDB	2.75	232	eP	57	38.40	-1.9
SVW	2.80	264	iPd	57	40.00	-1.1
	0.4s	17.24nm				
GLB	2.91	89	eP	57	42.19	-0.4
WRH	3.06	15	eP	57	42.54	-2.2
CDD	3.22	217	eP	57	45.75	-1.2
FBA	3.51	15	ePc	57	50.20	-0.9
	0.9s	39.58nm				
MDM	3.52	11	eP	57	49.45	-1.8
GLM	3.65	17	eP	57	51.58	-1.5
IMA	4.86	341	eP	58	09.50	-0.8
	54 obs.	associated				

& JUN 17, 1991 07h 32m 12.10s
36.153 N 120.757 W
DEPTH = 9.0km
CENTRAL CALIFORNIA (39)
<BRK>. ML 2.6 (BRK).

PRI	0.08	99	iPc	32	14.44	-0.1
PHAM	0.43	137	iP	32	20.70	-0.1
LLA	0.49	342	iPd	32	21.88	-0.1
PRS	0.53	290	iPc	32	22.07	-0.7
PKEM	0.53	100	eP	32	22.50	-0.4
SAO	0.83	318	iP	32	27.18	-1.0
BCH	1.11	150	eP	32	32.50	-0.6
FRI	1.19	45	iPc	32	33.05	-1.3
			iS	32	48.00	
GCC	1.33	312	ePd	32	36.48	-0.2
			iS	32	55.39	
ARN	1.35	333	eP	32	35.70	-1.3
MHC	1.38	329	eP	32	37.80	0.1
ABL	1.81	136	eP	32	42.10	-1.7
PCC	1.87	316	eP	32	44.50	0.0
CMB	1.90	9	ePc	32	44.34	-0.7
BKS	2.09	326	eP	32	45.00	-2.7
	15 obs.	associated				

? JUN 17, 1991 07h 35m 18.86±1.11s
43.231 N ± 9.0km 11.013 E ± 12.6km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

PII	0.61	324	eP	35	32.20	1.1
			eSg	35	41.90	
CRE	0.79	60	P	35	34.60	0.3
			eSg	35	44.00	
MAO	0.82	173	P	35	34.60	-0.1
			eSg	35	45.20	

BDI 0.88 340 P 35 34.60 -1.3
eSg 35 47.70
S.D. = 1.7 on 4 of 4 obs.

% JUN 17, 1991 07h 46m 03.82±1.30s
40.789 N ± 11.3km 28.092 E ± 14.5km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.7 (ISK).

CTT	0.44	35	iPg	46	12.80	0.0
			iSg	46	19.80	
BNT	0.45	197	iPg	46	13.00	0.0
			iSg	46	19.80	
EDC	0.47	202	iPg	46	13.50	0.0
			iSg	46	20.40	
ISK	0.78	69	ePg	46	19.00	0.0
			eSg	46	30.00	
HRT	1.20	88	iPn	46	26.20	0.0
	S.D. = 0.1	on	5 of 5 obs.			

& JUN 17, 1991 08h 10m 19.24s
59.899 N 153.538 W

DEPTH = 133.7km
SOUTHERN ALASKA (2)
<AEIC>.

PDB	0.35	252	iP	10	37.40	0.8
			eS	10	51.04	
AUH	0.54	175	eP	10	39.56	0.3
AUE	0.55	171	iP	10	38.36	-0.9
AUI	0.57	174	eP	10	38.74	-0.6
RED	0.65	36	iP	10	39.11	-0.9
RS2	0.69	34	eP	10	39.54	-0.9
RSO	0.69	34	eP	10	39.55	-0.9
RDW	0.69	32	eP	10	39.49	-0.9
REF	0.72	35	eP	10	39.81	-0.9
RDN	0.73	32	iP	10	39.87	-0.8
NCT	0.73	24	iP	10	39.86	-0.8
DFR	0.81	31	eP	10	40.39	-0.9
MCNL	0.82	100	eP	10	40.25	-1.0
RDT	0.88	39	iP	10	40.87	-0.9
CDD	0.97	183	iP	10	41.41	-1.2
HOM	0.99	103	eP	10	41.79	-0.8
			eS	10	58.39	
NNL	1.14	82	eP	10	43.96	-0.1
CNPM	1.23	107	eP	10	43.45	-1.6
			S	11	01.51	
SYI	1.42	155	eP	10	45.50	-1.5
			S	11	05.97	
NKA	1.42	53	eP	10	47.69	0.6
CKL	1.43	24	iP	10	46.78	-0.5
SPU	1.48	29	eP	10	46.97	-0.8
			eS	11	08.98	
BGL	1.48	22	eP	10	47.57	-0.3
CRP	1.53	26	eP	10	48.09	-0.4
CGLM	1.60	27	eP	10	48.67	-0.5
NCG	1.66	24	eP	10	49.61	-0.2
SLKM	1.77	68	eP	10	49.67	-1.4
SEW	2.06	83	eP	10	52.91	-1.7
			eS	11	19.00	
PMS	2.38	54	eP	10	57.15	-1.5
PLRM	2.75	50	eP	11	01.22	-2.1
LT1	2.86	85	eP	11	03.01	-1.8
KNK	2.93	57	eP	11	04.50	-1.2
KNIM	2.94	79	eP	11	03.52	-2.3
MTU	2.96	86	eP	11	04.65	-1.5
CUT	2.97	31	eP	11	04.32	-1.9
VLZ	3.77	68	eP	11	14.73	-2.0
TRF	3.89	22	eP	11	17.35	-1.2
	37 obs.	associated				

BGL	1.48	22	eP	10	47.57	-0.3
CRP	1.53	26	eP	10	48.09	-0.4
CGLM	1.60	27	eP	10	48.67	-0.5
NCG	1.66	24	eP	10	49.61	-0.2
SLKM	1.77	68	eP	10	49.67	-1.4
SEW	2.06	83	eP	10	52.91	-1.7
			eS	11	19.00	

PMS	2.38	54	eP	10	57.15	-1.5
PLRM	2.75	50	eP	11	01.22	-2.1
LT1	2.86	85	eP	11	03.01	-1.8
KNK	2.93	57	eP	11	04.50	-1.2
KNIM	2.94	79	eP	11	03.52	-2.3
MTU	2.96	86	eP	11	04.65	-1.5
CUT	2.97	31	eP	11	04.32	-1.9
VLZ	3.77	68	eP	11	14.73	-2.0
TRF	3.89	22	eP	11	17.35	-1.2
	37 obs.	associated				

JUN 17, 1991 08h 53m 16.74±0.32s
42.630 N ± 2.7km 74.678 W ± 5.3km
DEPTH = 5.0km (geophysicist)
4.0mb (1 obs.)

NEW YORK (472)
mbLg 4.0 (GS), 4.0 (OTT), 4.1

(BLA). Felt (V) at Carlisle, Charlottesville, Cobleskill, Fly Creek, Fultonham, Herkimer, Hoves Cove, Ilion, Morris, New Kingston, New York Mills, Portlandville, Rensselaerville, Seward and Worcester. Felt throughout much of New York from Rochester to Rockland and

Westchester Counties. Also felt in northern New Jersey, western Connecticut, western Massachusetts and in parts of New Hampshire, Pennsylvania and Vermont.

INY	1.35	263	P	53	42.30	0.2
TXNY	1.50	166	iP	53	45.20	0.9
PNJ	1.77	167	Pn	53	48.40	0.3
			Sn	54	12.30	
GMTN	1.79	168	Pn	53	48.30	-0.1
			Sn	54	12.40	
LVNJ	1.82	182	P	53	49.00	0.1
PRIN	2.26	181	P	53	55.00	-0.3
WBO	2.41	350	P	53	57.86	0.5
OTT	2.86	345	P	54	03.91	0.0
WVLY	2.88	268	P	54	04.80	0.6
BWD	2.91	194	iP	54	03.60	-0.9
			eS	54	38.20	
BVD	2.92	193	iP	54	04.50	-0.2
			eS	54	40.00	
MNT	2.97	14	P	54	05.81	0.4
BNH	3.16	51	P	54	07.80	-0.4
TRQ	3.59	1	P	54	14.35	0.1
CKO	3.91	330	P	54	17.56	-1.1
GRQ	4.06	348	P	54	20.69	-0.2
DPO	4.27	18	P	54	23.99	0.2
LDN	4.80	277	P	54	29.90	-1.5X
CBN	4.88	206	eP	54	31.00	-1.5X
			e	55	26.00	
ELF	4.91	279	P	54	31.00	-1.9X
NA2	5.07	209	P	54	33.20	-2.0X
DLA	5.08	275	P	54	31.70	-3.7X
EEO	5.09	323	P	54	45.12	9.6X
CVL	5.47	213	P	54	39.00	-1.9X
BLA	6.98	221	P	55	01.60	-0.6X
LMN	7.79	62	P	55	12.14	-1.3X
MNO	8.89	25	P	55	26.21	-2.5X
JAO	11.20	357	P	55	55.35	-5.1X
SCH	13.25	20	P	56	24.00	-4.0X
	0.7s	10.90nm				5.1mb X
FFC	21.55	314	eP	58	07.00	-1.8X
	0.8s	6.00nm				4.0mb
YKA	30.64	324	eP	59	36.30	2.6X
	S.D. = 0.6	on	17 of 31 obs.			

JUN 17, 1991 09h 20m 01.62±0.57s
5.511 S ± 6.0km 147.091 E ± 5.0km
DEPTH = 200.7 ± 5.0 km
5.4mb (9 obs.)

EAST PAPUA NEW GUINEA REGION (207)

LAT	1.14	185	iPc	20	32.60	-0.1
YYYY	1.33	237	iPc	20	34.70	0.3
MNDI	3.48	259	eP	20	58.20	0.5
PMG	3.87	179	iPd	21	00.60	-1.8
			eS	21	46.00	
SVO	13.13	107	P	23	03.00	1.2
HNR	13.33	108	eP	23	04.00	-0.3
MTN	17.35	244	eP	23	52.00	-1.1
	0.3s	248.00nm				6.1mb
WB2	18.96	220	iPc	24	09.60	-0.4
	0.2s	262.00nm				6.4mb
			iS	27	33.60	
KNA	20.66	239	iPc	24	29.60	2.4
	0.6s	123.00nm				5.6mb
RMO	20.92	176	iPd	24	31.50	1.8
	0.8s	96.00nm				5.4mb
ASPA	22.07	214	iPd	24	42.50	1.5
	0.4s	195.60nm				6.0mb
			eS	28	31.60	
BRS	22.42	167	iPc	24	45.00	0.6
	1.0s	15.00nm				4.5mb
DZM	24.93	133	iPc	25	07.10	-1.1
COO	25.34	170	iPd	25	12.40	0.5
	0.4s	36.00nm				5.4mb
STK	26.74	190	eP	25	23.60	-0.9
	0.6s	3.60nm				4.3mb
			i	25	35.10	
			e	28	23.00	
WARB	28.36	221	iPc	25	39.80	0.6
			e	25	46.00	
BWA	28.80	178	eP	25	43.00	0.0
CAN	29.72	177	eP	25	51.20	0.1
FORR	30.89	213	eP	26	01.50	0.2
BFD	31.79	187	iPd	26	08.20	-0.9

17d 09h

0.5s	43.00nm	5.4mb	CUT	0.48	293	iPc	51	24.58	-0.4	VHO	2.27	261	(P)	17	35.50	0.7	
NANU	34.87	238	eP	26	35.60	-0.2	GHO	0.49	158	ePc	51	24.60	-0.6	(S)	18	03.00	
COOL	35.09	221	eP	26	37.00	-0.5			eS	51	33.27		IISM	3.22	299	iP	
MRWA	37.68	228	eP	26	59.40	0.1	SML	0.62	132	eP	51	26.02	-0.8	(S)	18	20.00	
KLB	37.79	223	iPc	26	59.70	-0.4	PWA	0.63	205	iPd	51	26.63	-0.3	IIT	4.03	293	(P)
		e	27	07.00		PLRM	0.64	172	iPc	51	26.22	-0.8	PPM	4.33	292	iP	
BAL	37.94	225	eP	27	01.00	-0.4			eS	51	36.35		(S)	18	47.50		
MUN	39.08	224	eP	27	10.00	-0.8	PMR	0.64	172	eP	51	26.10	-0.9	III	4.92	281	eP
PUZ	43.04	143	P	27	43.30	0.1	HUR	0.77	349	iPc	51	28.21	-0.7	MRX	6.83	290	(P)
TCW	43.06	150	P	27	43.50	0.3			eS	51	38.94		S.D. = 1.7	on	6	of	
MNG	43.24	148	eP	27	44.30	-0.4	KNK	0.91	153	iPc	51	30.16	-0.6			8	obs.
NOZ	43.27	144	eP	27	45.30	0.3			eS	51	43.09		% JUN 17, 1991	12h	59m	30.34± 0.50s	
CAW	43.38	149	P	27	46.40	0.6	PMS	0.99	187	ePc	51	31.38	-0.5		44.401 N ± 4.4km		7.362 E ± 5.1km
WDW	43.46	149	eP	27	46.20	-0.2	SCM	1.01	112	iPc	51	31.24	-1.0		DEPTH = 10.0km	(geophysicist)	
KHZ	43.61	151	eP	27	47.60	0.0			eS	51	45.92			NORTHERN ITALY	(545)		
MTW	43.64	149	P	27	47.50	-0.4	SUA	1.02	222	ePc	51	32.07	-0.3		ML 2.0 (GEN).		
YAK	68.65	351	eP	30	44.10	-0.6	SKT	1.07	258	iPc	51	32.06	-0.9				
		eS	39	32.00		RND	1.21	10	ePd	51	33.97	-1.0	STV	0.16	190	P	
FBA	84.70	23	P	32	12.50	-1.2			eS	51	48.94		S	59	34.50	0.4	
	1.0s	3.80nm	4.1mb X			TRF	1.31	341	iPc	51	35.73	-0.8	ENR	0.18	166	P	
INK	91.17	21	eP	32	44.00	-0.4			S	51	52.41		S	59	37.57	-0.5	
PNT	96.29	41	eP	33	10.00	1.7	TOA	1.48	93	ePc	51	38.73	-0.1	PZZ	0.21	299	P
TNP	97.84	52	(P)	33	16.80	1.0	MCK	1.53	6	eP	51	38.89	-0.5	S	59	39.62	0.8
NEW	97.94	42	P	33	16.40	0.6	CGLM	1.58	236	eP	51	39.74	-0.5	ROB	0.38	106	P
	1.0s	7.00nm	5.0mb			NCG	1.58	240	eP	51	39.42	-0.9	S	59	38.39	0.2	
YKA	98.70	28	eP	33	18.60	-0.3	CRP	1.66	236	eP	51	41.45	0.0	BHB	0.45	351	P
BW06	103.52	47	Pdiff	33	40.80	-0.4	SPU	1.67	233	eP	51	41.21	-0.3	S	59	39.83	0.4
	1.1s	6.55nm	5.4mb					eS	52	03.18		IMI	0.62	142	P		
SIV	144.88	128	iPKPc	39	15.60	-1.6	GLI	1.72	141	iPc	51	41.33	-0.8	S	59	42.60	-0.3
VAO	148.51	155	ePKP	39	27.00	4.0X	NKA	1.75	213	eP	51	44.25	1.7	FIN	0.64	107	P
BAO	154.22	145	ePKPc	39	39.90	8.4X	BGL	1.75	238	eP	51	42.46	-0.2	S	59	52.03	-0.4
S.D. = 0.9	on	43	of	45	obs.	VZW	1.76	130	ePc	51	41.74	-1.0	RRL	0.66	322	P	
? JUN 17, 1991	09h	34m	32.28± 3.98s			KLU	1.77	113	iPc	51	42.14	-0.8	S	59	42.90	-0.8	
	41.301 N ±25.1km		24.002 E ±17.0km			CKL	1.77	236	eP	51	42.74	-0.2	RSP	0.75	354	P	
DEPTH = 5.0km	(geophysicist)					SLKM	1.78	195	eP	51	42.76	-0.2	S	59	44.54	-0.6	
GREECE-BULGARIA BORDER REGION	(363)					SDG	1.78	78	ePc	51	42.89	-0.2	PCP	0.86	80	P	
						VLZ	1.79	126	iPc	51	41.91	-1.2	S.D. = 0.6	on	10	of	
SRS	0.36	239	ePc	34	39.96	0.4			eS	52	04.54				10	obs.	
			eS	34	45.00		TZL	1.84	94	eP	51	43.95	0.2	JUN 17, 1991	13h	19m	11.02± 0.44s
SOH	0.69	226	ePc	34	45.60	-0.4	PAX	1.93	65	ePc	51	45.03	-0.2		1.554 N ± 7.3km		123.278 E ±10.4km
KNT	0.84	261	ePd	34	49.01	-0.1			eS	52	09.42			DEPTH = 32.9km	(4 depth phases)		
			eS	35	01.68		BWN	1.96	358	eP	51	44.86	-0.7		4.8mb (10 obs.)	4.4Msz (6 obs.)	
OUR	0.97	181	ePd	34	51.44	0.3	THY	2.03	52	eP	51	46.10	-0.4	MINAHASSA PENINSULA	(265)		
PAIG	1.39	190	iPd	34	58.05	-0.3	KNIM	2.03	157	ePc	51	44.97	-1.5	TSM	5.84	297	eP
S.D. = 0.5	on	5	of	5	obs.	SEW	2.13	182	eP	51	47.81	-0.1	DAV	5.95	23	eP	
% JUN 17, 1991	09h	39m	32.23± 1.15s			RDT	2.22	223	ePd	51	48.57	-0.8		1.2s	562.50nm	6.1mb X	
	16.487 N ± 8.5km		61.354 W ± 9.1km			LTI	2.30	161	ePc	51	48.43	-1.9	MKS	7.73	209	iPc	
DEPTH = 28.3 ± 14.7 km						DFR	2.30	226	eP	51	48.31	-2.2	BAG	15.00	350	eP	
LEEWARD ISLANDS	(92)					WRH	2.32	13	eP	51	49.22	-1.5	KGM	19.95	272	eP	
ML 2.3 (FDF).						MTU	2.38	159	eP	51	50.30	-1.2	IPM	22.42	278	ePd	
						REF	2.38	225	eP	51	50.95	-0.8	SNG	23.27	285	eP	
SEG	0.17	240	iPd	39	38.15	0.2	RDN	2.39	226	ePc	51	50.96	-0.8	WB2	23.97	154	eP
			S	39	40.80		NCT	2.41	228	eP	51	52.02	0.0		0.7s	32.30nm	5.0mb
DEG	0.33	121	iPc	39	39.86	-0.2	RSO	2.42	225	eP	51	51.87	-0.4	LAT	25.04	109	eP
			S	39	44.30		RS2	2.42	225	eP	51	52.11	-0.2	ASPA	27.12	158	iPd
PAG	0.55	215	eP	39	42.90	-0.6	RDW	2.43	226	eP	51	51.78	-0.6		1.9s	15.70nm	4.3mb
			S	39	49.80		RED	2.46	224	eP	51	49.65	-3.1	SSE	29.45	356	eP
MGG	0.57	176	ePd	39	43.78	0.1			eS	52	21.41		Z	20s	0.60um	4.2Msz	
			S	39	51.80		CCB	2.53	15	eP	51	51.50	-2.1	N	14s	0.60um	
BPA	0.74	319	ePc	39	46.37	-0.1	GLB	2.73	104	ePc	51	54.88	-1.7			esP	25
			S	39	56.40		FBA	2.77	14	eP	51	55.20	-2.0			S	30
MGH	0.86	286	eP	39	48.40	0.1	MDM	2.79	10	eP	51	55.89	-1.6	KMI	30.69	321	eP
			S	39	59.60		DOT	2.80	57	eP	51	56.87	-0.7		2.0s	50.00nm	5.0mb
BBL	0.97	187	ePd	39	50.18	0.3	CNPM	2.86	200	eP	51	58.36	-0.1	Z	18s	0.70um	4.4Msz
			S	40	02.40		TTA	3.18	286	eP	52	01.19	-1.8			pP	25
S.D. = 0.4	on	7	of	7	obs.	SVW	3.21	252	P	52	02.50	-0.9	XAN	35.00	339	P	
						CROM	3.31	114	eP	52	03.23	-1.6	E	15s	0.80um	0.2	
? JUN 17, 1991	11h	28m	55.00± 1.60s			TGL	3.44	112	eP	52	04.53	-2.1			S	31	
	39.123 N ± 8.6km		27.800 E ±18.4km			AUE	3.49	217	eP	52	06.55	-0.7	RMQ	37.17	140	eP	
DEPTH = 10.0km	(geophysicist)					BALM	3.53	107	eP	52	05.92	-2.1	TIY	37.34	346	eP	
TURKEY	(366)					CDD	3.93	215	eP	52	11.78	-1.8			S	26	
						CTGM	4.02	105	eP	52	13.26	-1.6	Z	19s	1.20um	4.7Msz	
IZM	0.84	210	ePg	29	11.20	0.0	IMA	4.31	336	eP	52	16.66	-2.3	N	16s	0.72um	
			eSg	29	23.10										sP	26	
BNT	1.24	4	ePn	29	18.00	0.0	? JUN 17, 1991	12h	16m	56.43± 9.35s			MAT	37.45	20	(P)	
EZN	1.34	302	ePn	29	19.70	0.0		17.457 N ±20.3km		94.391 W ±80.1km					eS	32	
KGT	1.38	344	ePn	292													

1.5s 18.00nm 4.6mb
Z 20s 0.30um 4.1MsZ
eS 32 32.00
SNY 40.09 0 eP 26 44.30 -0.8
Z 18s 0.80um 4.6MsZ
N 12s 0.50um
BRS 40.42 138 i(PKP) 26 46.60 -1.5
LSA 41.42 316 eP 26 57.90 1.1
BWA 42.87 149 eP 27 09.80 1.7
GTA 43.33 333 eP 27 13.00 1.1
1.4s 30.00nm 4.9mb
Z 16s 0.90um 4.8MsZ
N 15s 0.50um
pP 27 20.00 23km
sP 27 28.00
S 33 40.00
sS 33 50.00
CAN 43.87 149 eP 27 16.80 0.6
GUN 44.33 310 P 27 17.78 -2.7
PKI 44.53 309 P 27 16.94 -5.1X
KKN 44.73 309 P 27 17.96 -5.6X
DMN 44.78 309 P 27 15.96 -8.0X
GKN 45.33 309 P 27 19.90 -8.4X
HYB 46.68 293 eP 27 45.10 6.2X
WMO 52.62 328 P 28 24.50 0.3
1.7s 10.00nm 4.5mb
Z 16s 0.60um 4.7MsZ
N 13s 0.40um
pCP 29 29.00
S 35 52.00
IRK 52.97 346 eP 28 38.10 11.5X
e 29 08.70 131kmX
YAK 60.51 3 eP 29 17.40 -2.5
i 29 37.00 76kmX
e 37 29.00
MAIO 68.12 309 eP 30 10.00 -0.3
MAW 80.54 200 eP 31 20.60 -0.6
1.0s 14.00nm 4.9mb
FBA 88.15 25 (P) 32 10.50 10.9X
INK 93.43 21 eP 32 32.00 7.9X
BUL 94.91 250 iPC 32 31.00 -1.0
1.0s 7.50nm 5.1mb
ipP 32 41.00 31km
ANMO 121.02 47 PKP 38 03.50 0.9
pP 38 14.00
ALO 121.03 47 ePKP 38 03.50 0.8
CNCB 161.22 144 ePKP 39 13.00 2.3
i 39 57.00
LPB 161.37 144 ePKP 39 10.00 -0.7
ZOBO 161.56 143 PKP 39 23.00 11.9X
i 39 58.00

S.D. = 1.5 on 32 of 44 obs.

* JUN. 17, 1991 14h 07m 35.31 ± 0.93s
49.077 N ± 7.7km 6.860 E ± 12.5km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
MD 2.3 (STR).

CDF 0.72 157 Pg 07 48.78 -0.8
WLS 0.74 154 Pg 07 49.10 -0.8
ECH 0.88 167 Pg 07 52.91 0.6
VITF 1.04 214 Pg 07 54.70 -0.2
Sg 08 08.45
MOF 1.24 171 Pg 07 58.93 0.5
Sg 08 16.41
FEL 1.43 147 Pg 08 02.07 0.7
Sg 08 21.69
ENN 1.80 341 eP 08 06.50 0.0
0.8s 11.00nm
eS 08 29.00

S.D. = 0.8 on 7 of 7 obs.

JUN 17, 1991 14h 46m 36.05 ± 0.64s
43.011 N ± 6.5km 22.892 E ± 6.7km
DEPTH = 11.3 ± 4.8 km
YUGOSLAVIA (383)
Felt (III) in the western part
of Bulgaria.

SKO 1.49 226 ePn 47 02.50 -0.3
1.0s 244.00nm
iPg 47 04.00
i 47 20.00
i 47 22.20
i 47 23.50
iSn 47 24.60

iSg 47 26.00
Lg 47 30.00
VAY 1.71 188 iPn 47 06.40 0.6
0.4s 289.00nm
iSn 47 30.00
iSg 47 33.20
Lg 47 36.00
KNT 1.85 180 iPC 47 08.46 0.6
eS 47 33.20
DRA 1.94 30 ePd 47 11.00 1.8
SRS 1.96 164 ePd 47 11.00 1.5
eS 47 38.08
GRG 2.09 190 ePd 47 15.44 4.1X
eS 47 43.16
SOH 2.21 171 iPd 47 13.89 0.6
PHP 2.25 235 ePn 47 12.70 -0.9
THE 2.38 179 ePC 47 20.68 5.2X
eS 47 52.12
OHR 2.46 220 iPn 47 16.70 0.8
SDA 2.70 250 ePn 47 22.00 1.9
LACI 2.73 241 ePn 47 21.90 1.4
OUR 2.80 163 iPd 47 21.64 0.2
LIT 2.92 186 ePC 47 31.16 7.9X
PAIG 3.14 169 ePd 47 25.96 -0.3
MLR 3.31 40 ePd 47 30.00 1.1
MFT 3.96 123 iPn 47 38.20 0.2
EZN 4.10 140 ePn 47 37.00 -2.9
KGT 4.18 126 iPn 47 41.70 0.7
CTT 4.52 112 ePn 47 45.20 -0.8
PSZ 5.34 338 eP 47 55.70 -1.9
PTJ 5.74 303 eP 48 00.50 -2.8
ZST 6.58 324 eP 48 16.60 1.5

S.D. = 1.5 on 20 of 23 obs.

JUN 17, 1991 15h 33m 01.70 ± 0.44s
15.211 N ± 6.5km 120.340 E ± 7.4km
DEPTH = 10.0km (geophysicist)
4.8mb (20 obs.) 4.5MsZ (1 obs.)
LUZON, PHILIPPINE ISLANDS (249)

QVP 0.87 132 P 33 20.90 2.5
BAG 1.21 11 ePC+ 33 24.00 -0.4
TGY 1.24 152 P 33 26.00 1.2
CVP 2.86 30 P 33 51.30 3.2X
HKC 9.16 321 eP 35 16.60 -0.2
QIZ 10.73 292 eP 35 36.70 -1.8
N 12s 1.40um
SSE 15.83 3 eP 36 45.00 -1.3
1.4s 56.00nm 4.6mb
Z 20s 1.40um 4.1MsZ
N 18s 1.30um
E 16s 0.90um
pP 36 50.00
PP 36 59.00
WHN 16.22 341 eP 36 56.00 4.7X

Z 20s 0.60um
E 12s 0.90um
NJ2 16.82 356 P 37 04.00 5.1X
Z 22s 0.90um
KMI 19.22 304 Pd 37 30.50 1.5
2.5s 280.00nm 5.1mb
Z 16s 0.60um 3.9MsZ
sP 37 42.50
NNT 20.17 265 eP 37 40.80 1.5
BDT 20.59 279 eP 37 42.80 -0.8
CHG 20.77 283 eP 37 47.00 1.5
1.2s 31.25nm 4.5mb
SNG 20.92 250 eP 37 47.00 0.0
TIA 21.11 353 eP 37 49.70 0.8

Z 18s 1.00um 4.2MsZ
N 15s 1.00um
KGM 21.30 234 eP 37 52.00 1.0
XAN 21.40 333 P 37 53.50 1.7
N 16s 1.50um
E 16s 1.50um
S 41 53.00
IPM 21.74 243 ePC 38 04.20 8.8X
CD2 21.79 319 P 37 57.20 1.3
1.0s 100.00nm 5.2mb
E 12s 2.10um

TIY 23.48 344 eP 38 14.60 2.1
Z 16s 0.95um 4.3MsZ
N 16s 0.95um
BJI 25.00 352 eP 38 30.00 2.9X
1.5s 70.00nm 5.1mb
Z 20s 0.60um 4.1MsZ
eS 42 52.00

LZH 25.48 328 Pc 38 33.50 1.6
2.0s 140.00nm 5.3mb
Z 16s 0.68um 4.3MsZ
N 11s 0.87um
MAT 26.55 34 (P) 38 45.00 3.4X
eS 43 30.00
HHC 26.66 345 eP 38 44.50 1.8
Z 16s 1.20um 4.5MsZ
N 14s 0.50um
E 13s 0.60um
SNY 26.67 5 Pd 38 42.00 -0.6
1.0s 20.00nm 4.8mb
Z 24s 0.90um 4.2MsZ
E 14s 0.50um
BTO 26.84 342 eP 38 44.00 -0.4
N 15s 0.90um
E 15s 0.80um
CN2 28.83 8 eP 39 01.00 -1.1
Z 16s 1.70um 4.7MsZ
N 13s 0.40um
E 13s 0.30um
esP 39 11.00
eS 43 49.00
GTA 30.08 327 eP 39 14.20 0.5
1.2s 10.00nm 4.5mb
Z 16s 0.90um 4.5MsZ
E 14s 0.60um
pP 39 23.00 30kmX

LSA 30.48 303 P 39 18.50 0.8
GUN 34.33 297 P 39 48.58 -2.6
PKI 34.65 297 P 39 51.96 -1.9
0.8s 18.00nm 5.0mb
KKN 34.81 297 P 39 53.50 -1.7
0.9s 27.00nm 5.1mb
DMN 34.92 297 P 39 55.22 -0.9
0.8s 8.00nm 4.6mb
GKN 35.41 297 P 39 58.38 -1.9
1.0s 17.00nm 4.9mb
WB2 37.55 158 iPd 40 15.20 -2.9X
0.6s 43.80nm 5.4mb
IRK 39.12 344 eP 40 31.20 0.3
WMO 39.80 322 P 40 39.60 2.9X
1.0s 7.00nm 4.3mb
Z 18s 0.60um 4.5MsZ
N 13s 0.80um
E 14s 0.70um

HYB 40.11 279 eP 40 40.60 1.0
ASPA 40.85 161 iPd 40 43.60 -1.9
0.5s 8.20nm 4.7mb
GBA 41.54 273 P 40 53.00 1.8
1.0s 15.20nm 4.7mb
WARB 41.60 171 eP 40 49.00 -2.6
YAK 47.22 6 eP 41 35.20 -1.1
e 42 11.00
eS 48 31.00

QUE 51.03 297 eP 42 07.50 1.0
MAIO 57.75 303 iPC 42 56.70 1.2
DZM 58.43 128 iPC 42 58.70 -1.7
IMA 74.59 25 eP 44 42.70 0.1
KEV 77.00 339 eP 44 58.00 2.0
SOD 77.51 337 eP 45 02.00 3.1X
TOA 78.32 29 eP 45 06.00 2.5
NUR 79.68 330 iP 45 10.50 -0.3
0.5s 2.70nm 4.5mb

INK 81.82 21 eP 45 21.00 -1.0
MBC 82.15 12 eP 45 23.00 -0.6
0.5s 4.00nm 4.8mb
HFS 84.99 331 eP 45 37.70 -0.6
0.4s 1.80nm 4.7mb
VAY 85.80 312 eP 45 42.00 -0.8
NAO 86.03 332 P 45 41.90 -1.6
1.3s 14.60nm 5.0mb

SKO 86.43 312 eP 45 44.00 -1.9
YKA 91.52 22 eP 46 09.30 -0.3
S.D. = 1.5 on 48 of 57 obs.

JUN 17, 1991 15h 41m 12.46 ± 0.51s
38.511 N ± 4.4km 27.219 E ± 5.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 3.5 (ISK).

IZM 0.12 163 iPn 41 15.30 -0.2
PRK 1.04 315 ePb 41 32.00 -0.1
eSb 41 46.00
EZN 1.49 332 ePn 41 39.70 0.5
YER 1.61 148 iPn 41 41.30 0.2

17d 15h.

KHL 1.82 95 ePn 41 44.30 0.2
 EDC 1.90 15 iPn 41 45.00 -0.2
 BNT 1.92 16 ePn 41 45.70 0.2
 KGT 1.94 2 iPn 41 46.20 0.4
 MFT 2.27 1 ePn 41 50.20 -0.5
 ALT 2.32 76 ePn 41 51.00 -0.5
 CTT 2.79 19 ePn 41 58.00 0.0
 RDO 2.93 334 ePn 41 59.50 -0.4
 HRT 2.98 39 ePn 42 01.00 0.3
 S.D. = 0.4 on 13 of 13 obs.

? JUN 17, 1991 16h 21m 14.44 ± 3.72s
 16.834 N ± 24.7km 61.129 W ± 33.3km
 DEPTH = 33.0km (normol)
 LEEWARD ISLANDS (92)
 ML 2.6 (FDF).

DEG 0.52 173 iPc 21 25.42 0.0
 S 21 32.80
 SFG 0.58 186 eP 21 25.80 -0.4
 BPA 0.73 287 eP 21 28.31 0.0
 S 21 37.60
 PAG 0.96 214 eP 21 31.40 -0.2
 S 21 42.40
 BBL 1.35 194 eP 21 37.71 0.6
 S 21 54.70
 S.D. = 0.5 on 5 of 5 obs.

* JUN 17, 1991 16h 37m 52.82 ± 0.57s
 15.193 N ± 8.3km 120.250 E ± 10.2km
 DEPTH = 10.0km (geophysicist)
 4.6mb (12 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

OVP 0.92 128 P 38 12.00 1.6
 BAG 1.25 15 ePc+ 38 14.10 -2.1
 TGY 1.27 148 P 38 18.00 1.6
 CVP 2.92 31 P 38 40.30 0.2
 TIA 21.12 353 eP 42 41.30 1.2
 XAN 21.37 333 P 42 44.00 1.3
 CD2 21.75 319 eP 42 48.20 1.7
 0.8s 20.00nm 4.6mb
 BJI 25.01 353 eP 43 20.50 2.3
 1.0s 7.00nm 4.3mb
 LZH 25.45 328 eP 43 22.50 -0.2
 2.0s 32.00nm 4.7mb
 Z 16s 0.39um 4.0mszx
 N 15s 0.44um

GUN 34.26 297 P 44 41.44 -0.2
 0.8s 20.00nm 5.1mb
 PKI 34.58 297 P 44 44.24 -0.2
 0.8s 8.00nm 4.7mb
 KKN 34.74 297 P 44 45.76 0.1
 0.8s 15.00nm 4.9mb
 DMN 34.85 297 P 44 46.54 -0.1
 GKN 35.35 297 P 44 50.38 -0.4
 0.9s 17.00nm 4.9mb
 WB2 37.57 158 eP 45 06.80 -2.5
 0.6s 8.00nm 4.7mb
 ASPA 40.86 161 eP 45 34.90 -1.8
 0.5s 5.50nm 4.5mb
 GBA 41.45 273 Pc 45 42.90 1.2
 0.8s 3.60nm 4.2mb
 STK 51.08 157 eP 46 47.10 -10.5X
 0.4s 1.30nm
 HFS 84.96 331 eP 50 27 50 -1.8
 0.4s 1.20nm 4.5mb
 NAO 86.00 332 P 50 32.60 -1.9
 0.7s 2.10nm 4.4mb
 YKA 91.57 22 eP 51 01.00 0.1
 S.D. = 1.5 on 20 of 21 obs.

JUN 17, 1991 17h 03m 09.44 ± 0.51s
 18.922 N ± 6.1km 63.107 W ± 5.6km
 DEPTH = 10.0km (geophysicist)
 4.6mb (3 obs.)
 LEEWARD ISLANDS (92)
 MD 4.2 (TRN).

CPB 1.76 136 eP 03 41.24 1.1
 eS 04 04.97
 NEV 1.85 164 eP 03 41.87 0.4
 eS 04 07.11
 BPA 2.21 147 eP 03 47.54 0.8
 eS 04 15.44
 MGH 2.35 159 eP 03 49.53 0.8
 eS 04 18.28

LPR 2.69 257 P 03 52.90 -0.7
 S 04 24.90
 CPD 2.81 252 P 03 55.10 -0.1
 SJG 3.00 255 iP 03 58.90 1.0
 CLLP 3.40 256 P 04 04.70 1.1
 PORP 3.46 256 P 04 05.00 0.6
 LRS 3.60 261 P 04 03.00 -3.5X
 S 04 50.00
 MGP 3.89 257 P 04 10.30 -0.2
 FDF 4.57 155 eP 04 21.08 0.8
 0.3s 0.95nm
 S 05 10.80

BIM 4.79 156 eP 04 23.51 0.0
 MVM 4.83 154 eP 04 23.87 -0.1
 TCE 8.28 171 eP 05 11.14 -1.4
 TRN 8.39 168 eP 05 13.51 -0.5
 TPP 8.70 169 eP 05 16.92 -1.4
 TUL 33.38 307 eP 09 49.80 -0.4
 0.8s 11.90nm 4.9mb
 BAO 37.42 156 ePc 10 23.50 -1.4
 ALQ 41.47 302 eP 10 59.00 0.5
 0.8s 2.43nm 4.0mb
 ANMO 41.47 302 (P) 10 57.20 -1.3
 YKA 56.01 334 eP 12 49.50 -0.8
 MBC 63.97 347 eP 13 46.00 1.3
 0.9s 5.00nm 4.7mb
 INK 65.34 337 eP 13 53.50 -0.2
 S.D. = 0.9 on 23 of 24 obs.

? JUN 17, 1991 17h 14m 42.38 ± 1.08s
 15.615 N ± 15.6km 120.479 E ± 55.9km
 DEPTH = 10.0km (geophysicist)
 4.4mb (2 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

OVP 1.11 153 (P) 15 12.70 9.5X
 TGY 1.57 164 P 15 10.30 0.0
 INK 81.40 21 eP 27 01.00 0.5
 MBC 81.73 12 eP 27 02.50 0.4
 0.6s 3.00nm 4.5mb
 NAO 85.73 332 P 27 22.70 0.0
 0.9s 2.00nm 4.3mb
 YKA 91.10 22 eP 27 47.40 -0.9
 S.D. = 0.8 on 5 of 6 obs.

* JUN 17, 1991 17h 16m 37.45 ± 1.20s
 23.835 S ± 12.4km 66.576 W ± 14.3km
 DEPTH = 200.0km (geophysicist)
 JUJUY PROVINCE, ARGENTINA (128)

SLA 1.33 132 iPd 17 11.10 0.9
 S 17 36.20
 ANT 3.52 271 iPc 17 32.70 -1.1
 iS 18 13.50
 CCH 6.43 4 P 18 11.00 -0.4
 CNCB 7.11 349 P 18 22.00 1.5
 LPB 7.40 349 P 18 25.00 0.7
 ZOBO 7.67 349 Pc 18 28.00 0.1
 SIV 9.36 35 P 18 47.60 -1.8
 S.D. = 1.4 on 7 of 7 obs.

* JUN 17, 1991 17h 32m 47.99 ± 0.73s
 42.127 N ± 5.4km 19.276 E ± 6.1km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 1.7 (TTG).

ULC 0.16 187 iPg 32 51.97 0.2
 iSg 32 55.05
 TTG 0.30 358 iPg 32 54.84 0.5
 iSg 33 00.42
 BDV 0.37 295 iPg 32 55.84 0.3
 iSg 33 02.45
 HCY 0.66 299 iPg 33 00.44 -0.7
 iSg 33 11.80
 PVY 0.70 48 iPg 33 01.32 -0.5
 iSg 33 12.54
 NKY 0.72 343 iPg 33 02.17 0.0
 iSg 33 14.19
 IVA 0.88 32 iPg 33 05.14 0.3
 iSg 33 19.32
 PLE 1.21 4 iPg 33 10.45 -0.1
 S.D. = 0.5 on 8 of 8 obs.

JUN 17, 1991 20h 15m 11.75 ± 0.80s
 39.119 N ± 5.9km 27.433 E ± 11.0km
 DEPTH = 10.0km (geophysicist)

TURKEY 366)

MD 2.8 (ISK).

Izm 0.73 191 iPg 15 26.20 0.0
 iSg 15 36.70
 EZN 1.11 310 ePn 15 32.30 -0.3
 EDC 1.27 15 iPn 15 35.00 -0.3
 BNT 1.29 17 iPn 15 35.50 -0.2
 KGT 1.33 356 iPn 15 36.80 0.5
 MFT 1.67 356 ePn 15 41.50 0.3
 CTT 2.16 20 ePn 15 48.30 0.0
 S.D. = 0.4 on 7 of 7 obs.

JUN 17, 1991 20h 25m 40.49 ± 0.98s
 38.359 N ± 8.4km 22.064 E ± 9.2km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 MD 3.2 (ATH).

AGG 0.69 17 ePc 25 52.36 -1.9
 eS 26 03.72
 VLS 1.17 262 ePn 25 59.80 -2.6
 LIT 1.77 11 ePc 26 11.20 -0.2
 eS 26 34.64
 VLI 1.78 157 ePn 26 12.50 1.0
 IGT 1.79 312 iPc 26 13.56 1.9
 iS 26 40.80
 KZN 1.96 353 ePn 26 14.00 -0.2
 KEK 2.22 308 ePb 26 18.30 0.4
 OUR 2.47 36 ePc 26 20.92 -0.5
 FNA 2.48 348 ePd 26 21.61 0.0
 iS 26 51.88
 GRG 2.61 6 ePc 26 22.84 -0.6
 SOH 2.65 22 iPc 26 24.00 -0.1
 eS 26 58.68
 KNT 2.87 13 iPc 26 27.40 0.2
 OHR 2.92 341 ePn 26 30.20 2.4
 VAY 2.98 7 ePn 26 28.70 0.0
 SKO 3.64 353 ePn 26 48.00 9.9X
 S.D. = 1.4 on 14 of 15 obs.

? JUN 17, 1991 20h 46m 00.48 ± 1.74s
 7.797 N ± 29.1km 58.480 E ± 19.6km
 DEPTH = 10.0km (geophysicist)
 4.3mb (3 obs.) 4.6msz (2 obs.)
 CARLSBERG RIDGE (421)

GBA 19.49 71 P 50 37.00 6.2X
 1.1s 10.00nm 4.0mb
 HYB 21.78 62 eP 50 56.00 1.4
 QUE 23.65 19 eP 51 15.20 2.1
 MAIO 28.39 2 iPd 51 56.90 -0.3
 KER 28.43 340 eP 51 58.00 0.4
 VRI 46.76 330 ePd 54 33.50 1.8
 OBN 50.30 344 eP 55 00.00 0.9
 Z 18s 0.40um 4.5msz
 E 18s 0.40um
 e 55 45.00
 e 56 19.00
 e 02 18.00
 LR 12 30.00

ZST 53.30 327 eP 55 21.60 -0.2
 KSP 55.27 329 eP 55 36.00 -0.2
 CLL 57.25 328 eP 55 49.00 -1.4
 1.8s 26.00nm 5.0mb
 IRK 57.95 31 eP 55 53.20 -2.1
 BJI 60.47 48 eP 56 11.00 -1.9
 Z 22s 0.68um 4.7msz
 eS 04 28.00
 YAK 74.39 28 eP 57 38.20 -1.9
 ASPA 79.93 116 eP 58 13.20 1.4
 1.5s 4.70nm 4.2mb
 S.D. = 1.6 on 13 of 14 obs.

JUN 17, 1991 21h 35m 09.71 ± 0.22s
 42.087 N ± 2.5km 19.201 E ± 2.2km
 DEPTH = 14.7 ± 1.9 km
 YUGOSLAVIA (383)
 ML 3.9 (ZAG), 3.8 (ROM). MD 3.8
 (TTG). Felt (VI) at Bor, (V) at
 Ulcinj and (IV) at Titograd.
 Also felt at Shkoder, Albania.

ULC 0.13 164 iPg 35 13.88 0.4
 iSg 35 16.80
 SDA 0.23 108 iPg 35 12.60 -2.4
 BDV 0.34 305 iPg 35 17.73 0.8

TTG	0.34	7	iSg	35	23.88		RIY	4.77	315	ePn	36	24.40	1.7	AFI	9.08	44	iPc	39	04.50	-0.7
			iPgc	35	16.53	-0.5	ARV	4.82	289	P	36	23.70	0.3				e(S)	39	10.00	
LACI	0.59	140	iSg	35	21.58		MNS	4.85	276	P	36	24.80	0.9	DZM	14.34	261	iPd	40	02.70	3.1
HCY	0.63	305	iPgc	35	20.40	-0.8	RMP	4.85	269	P	36	25.30	1.4				iS	42	40.20	
			iSg	35	22.35	0.4	ATN	4.86	217	P	36	22.00	-2.0	NOZ	18.24	189	eP	40	38.90	1.1
BCI	0.70	66	iPgd	35	33.17		ASS	4.93	284	P	36	26.00	1.0				e	40	51.70	
NKY	0.74	348	iPgc	35	23.32	-0.8	CEY	5.02	318	ePn	36	27.50	1.2	THZ	22.38	198	P	41	16.90	0.2
			iSg	35	23.93	-0.5				eSn	37	25.50		LTZ	23.51	198	P	41	25.10	-1.8
PVY	0.77	48	iPgd	35	34.93		LJU	5.19	321	ePn	36	29.00	1.2	AFR	27.07	88	iP	41	58.50	-0.1
			iSg	35	23.03	-1.3				eSn	37	29.50			0.8s	110.00nm			5.5mb	
TIR	0.89	146	ePg	35	34.10		ALN	5.28	101	ePd	36	30.10	0.2	BRS	27.28	250	iPc	42	02.00	1.5
IVA	0.94	33	iPgd	35	25.00	-1.4	TRI	5.34	315	ePn	36	30.00	-0.8	TVO	27.51	89	eP	42	02.00	-0.7
			iSg	35	26.28	-0.9				iSn	37	30.60			0.8s	60.00nm			5.2mb	
BRY	0.95	329	iSg	35	40.50					iSg	38	02.50		PMO	29.40	84	iP	42	18.90	-0.1
			iPgc	35	28.00	0.6				iSgSg	38	04.50			0.8s	50.00nm			5.1mb	
PHP	1.01	113	iSg	35	42.92		VOY	5.49	318	iPnc	36	33.10	0.1	VAH	29.59	85	iP	42	20.20	-0.4
PLE	1.25	6	iPgc	35	27.00	-1.3				eSn	37	37.20			0.8s	45.00nm			5.1mb	
			iSg	35	32.48	0.0	CRE	5.55	289	P	36	34.30	0.5	TPT	29.67	84	iP	42	21.20	-0.1
OHR	1.55	129	iPnc	35	31.72		SFI	5.69	291	P	36	36.80	1.1		0.8s	50.00nm			5.1mb	
	0.9s	879	iPnc	35	37.00	0.2	SRO	5.76	354	iP	36	36.60	0.0	RUV	29.83	85	iP	42	22.40	-0.3
			iSg	36	00.60					i	37	45.80			0.8s	75.00nm			5.3mb	
SKO	1.67	93	ePn	35	36.00		PSZ	5.85	5	eP	36	37.00	-1.0	RMO	30.75	253	iPd	42	32.00	1.4
	0.5s	912	ePn	35	39.00	0.4	MLR	5.95	53	eP	36	41.00	1.5	PMG	35.14	283	iPd	43	12.90	5.4X
			iPg	35	39.60					e	55	44.00			1.0s	104.00nm			5.3mb	
			iSg	36	01.60		MFT	6.21	99	eP	36	43.00	-0.1	TOO	35.65	234	iPc	43	13.20	1.6
			Lg	36	07.20		VVI	6.25	311	P	36	42.60	-0.9	STK	37.54	244	eP	43	28.30	1.2
TPE	1.89	161	ePn	35	41.50	-0.3	ZST	6.29	347	eP	36	45.40	1.3		0.7s	5.90nm			4.3mb	
BRT	1.93	232	P	35	43.20	0.9				i	37	54.50		ASPA	44.27	257	iPd	44	21.30	0.0
LCI	1.99	289	eSn	35	42.20	-0.9	KGT	6.32	102	eP	36	44.10	-0.5		1.1s	126.10nm			5.4mb	
			Pd	35	44.00		FVI	6.44	317	P	36	47.00	0.8				iS	50	14.10	
BAI	2.00	242	eSn	36	06.30		VKA	6.50	343	e(Pn)	36	43.00	-4.2X	WB2	44.34	262	iPc	44	21.30	-0.5
FNA	2.09	128	ePd	35	45.78	1.1				i	37	05.30			0.7s	91.60nm			5.4mb	
			eS	36	12.80		KBA	6.51	322	i(Pn)	38	01.40		MTN	48.93	271	eP	44	55.50	-1.4
HVAR	2.31	299	iPnd	35	48.80	1.1				iSn	38	01.90			0.6s	146.00nm			5.6mb	
			iSn	36	17.70		PII	6.58	287	P	36	47.00	-1.2	FORR	49.00	247	eP	44	56.50	-0.7
KEK	2.42	169	eP	35	49.00	-0.3	BDI	6.60	290	P	36	48.00	-0.7	GUMO	49.69	310	eP	45	02.10	-0.4
KZN	2.63	132	eP	35	53.50	1.0	VRI	6.61	53	ePd	36	51.00	2.2		0.6s	139.17nm			5.6mb	
VAY	2.64	106	iPn	35	53.00	0.6	CTI	6.73	309	P	36	49.00	-1.4	PJG	49.69	310	eP	45	02.10	-0.4
	0.8s	271	iPn	35	56.80		WTTA	7.47	316	iPnc	37	00.00	-0.9	KNA	50.40	266	iPd	45	07.00	-0.7
			iPg	35	56.80					i	37	18.60		COOL	54.97	246	eP	45	39.00	-1.5
			iSg	36	25.00					iSn	38	22.20		KLB	57.79	245	eP	45	59.00	-1.0
			i	36	32.40		PGF	7.58	277	Pn	37	02.20	-0.1	NWAO	58.11	243	eP	46	01.00	-1.1
			Lg	36	43.40		MDI	7.78	302	P	37	02.70	-2.3	RKG	58.16	241	eP	46	02.00	-0.4
GRG	2.66	114	iPc	35	53.93	1.2	KHC	8.07	333	P	37	10.00	0.9	BAL	58.00	246	eP	46	05.50	-1.3
			eS	36	27.85					e	37	14.50		MUN	59.07	244	eP	46	08.00	-0.6
IGT	2.69	161	ePd	35	53.61	0.3				e	37	40.00		MRWA	59.59	248	eP	46	11.30	-0.8
			eS	36	26.30		VAI	8.42	300	P	37	11.80	-2.1	NANU	61.14	255	iPd	46	22.00	-0.4
ORI	2.90	227	P	35	56.50	0.3	PRU	8.54	339	eP	37	18.20	2.6X	CHJJ	69.36	324	P	47	12.70	-0.8
KNT	2.92	107	iPc	35	57.25	0.8				e	38	27.00		SPA	69.52	180	iPd	47	14.50	0.2
			eS	36	32.78					e	39	27.00			1.0s	14.50nm			4.5mb	
LIT	3.18	128	ePd	36	00.42	0.2	SBF	8.81	286	Pn	37	18.00	-1.4	MAT	70.15	324	iPd	47	17.00	-1.2
THE	3.18	116	ePc	36	01.14	1.0	KSP	8.98	348	eP	37	35.70	14.0X		0.6s	11.33nm			4.6mb	
			eS	36	38.78		FRF	9.34	283	Pn	37	26.00	-0.8	OFUJ	70.23	328	P	47	17.70	-0.8
CSI	3.19	225	P	35	59.70	-0.7	GRF	9.42	327	e(Pn)	37	27.70	0.0	YAMJ	70.37	326	P	47	19.20	-0.2
			eSn	36	39.20		LMR	9.43	282	Pn	37	29.30	1.4	MTMJ	70.41	324	P	47	19.10	-0.7
ROI	3.21	219	P	35	58.20	-2.4	LRG	9.54	283	Pn	37	30.40	0.9	TSRJ	70.70	322	P	47	20.80	-0.5
			eSn	36	36.00		LPG	9.63	295	Pn	37	30.10	-0.9	KUSJ	71.97	332	eP	47	27.40	-1.1
TDS	3.26	223	P	36	01.10	-0.1				Sn	39	10.50		ASAJ	73.69	332	eP	47	39.10	0.7
SGO	3.31	244	P	36	02.10	0.2	LPL	9.64	295	Pn	37	30.20	-0.9	SYF	77.91	46	eP	48	03.00	1.0
SOH	3.37	111	iPd	36	03.46	0.6	MOX	10.03	331	eP	37	42.00	5.8X	PRS	78.05	44	eP	48	03.20	0.6
			iS	36	44.74		BSF	10.50	307	Pn	37	41.40	-1.3	GCC	78.07	43	ePc	48	03.20	0.6
MGR	3.37	236	P	36	03.35	0.5				Sn	39	33.00		PCC	78.11	42	eP	48	03.20	0.4
SRS	3.43	105	ePc	36	04.61	0.9	CDF	10.51	311	Pn	37	40.90	-2.0	SAO	78.26	43	eP	48	03.70	0.0
			eS	36	45.10		HAU	10.84	307	Pn	37	44.60	-2.8	PRI	78.40	44	ePc	48	05.20	0.6
DUI	3.57	265	P	36	07.00	1.3				Sn	39	39.30		BRK	78.42	42	eP	48	05.00	0.6
CZI	3.70	220	P	36	07.80	0.3	SMF	11.90	298	Pn	37	58.20	-3.5X	BKS	78.43	42	iPd	48	05.50	1.0
AGG	3.88	141	ePd	36	10.21	0.1	LBF	11.91	299	Pn	37	58.60	-3.3X		0.6s	32.00nm			4.9mb	
			eS	36	55.93					Sn	40	03.60		MHC	78.48	43	ePc	48	05.60	0.6
GRI	3.89	214	P	36	09.32	-1.0	LOR	12.08	301	Pn	37	59.70	-4.5X	MWC	79.05	47	eP	48	08.00	-0.1
RFI	3.98	200	P	36	13.09	1.6				Sn	40	03.60		BAR	79.16	49	eP	48	09.00	0.5
OUR	4.01	114	ePc	36	11.89	0.0	HFS	18.39	351	eP	39	23.20	-2.2	RVR	79.39	48	eP	48	09.00	-0.6
			eS	36	59.53					Sn	40	08.10		PLM	79.39	48	eP	48	10.00	0.1
PAIG	4.02	121	ePd	36	11.97	0.0				Sn	39	23.20		SBB	79.47	47	eP	48	10.00	-0.1
			iS	36	58.14					LR	46	39.00		FRJ	79.52	44	ePc	48	10.20	0.0
SDI	4.04	266	P	36	13.40	1.1				LR	46	39.00		ISA	79.58	46	eP	48	11.00	0.3
AQU	4.31	275	P	36	17.60	1.3	NAO	19.44	348	P	39	33.60	-4.7X	CMB	79.70	43	ePc	48	11.30	0.1
ZAG	4.39	329	ePn	36	18.70	1.4				Sn	39	33.60		NJZ	79.76	310	Pd	48	13.00	1.4
			iSn	37	05.80					Sn	39	33.60		KGM	79.89	276	ePd	48	12.90	0.2
			iSg	37	25.00					Sn	39	33.60		WDC	79.90	40	iPc	48	12.70	0.5

TNP	81.77	44	ePc	48	21.90	-0.2			0.5s	9.60nm				0.9s	4.20nm		4.2mb									
SNY	82.14	320	Pc	48	23.00	-0.5				iPp	56	06.00		ASPA	40.83	161	ePd	17	41.90	-4.5X						
	0.8s	20.00nm							HAU	152.41	353	ePKP	55	53.60	6.4X		0.6s	4.10nm		4.3mb						
CN2	82.24	323	Pd	48	23.60	-0.4			BSF	152.53	353	ePKP	55	53.80	6.3X	NAO	86.06	332	P	22	43.40	-1.4				
	1.0s	20.00nm								0.7s	4.40nm						0.8s	1.50nm		4.2mb						
WHN	82.32	307	Pd	48	25.20	0.5			LPF	152.54	4	ePKP	55	53.90	6.6X	YKA	91.51	22	eP	23	20.10	9.4X				
IPM	82.95	278	ePd	48	34.90	6.6X				0.6s	9.00nm					S.D. = 1.6 on 6 of 10 obs.										
	0.8s	71.40nm							VAY	152.83	324	ePKP	55	53.70	5.8X											
BJI	85.80	316	eP	48	41.00	-0.6				i	56	09.00														
	1.0s	13.00nm							LOR	153.35	357	ePKP	55	56.00	7.5X											
GYA	86.50	300	P	48	46.00	0.5			SSF	153.57	357	ePKP	55	56.50	7.7X											
PNT	86.87	34	ePc	48	47.00	0.4				0.8s	4.70nm															
	0.7s	8.00nm							LBF	153.62	357	ePKP	55	57.80	8.9X											
TIY	87.17	312	eP	48	48.00	-0.4				0.7s	2.20nm															
ALO	87.65	51	eP	48	50.00	-0.9			FNA	153.85	325	ePKPd	55	56.25	6.8X	KDC	0.32	270	iP	35	47.69	0.3				
	1.1s	6.65nm							TCF	154.38	359	ePKP	55	58.20	8.3X					35	53.27					
XAN	88.01	307	iPd	48	52.40	0.0			S.D. = 1.0 on 99 of 131 obs.				SYI	0.90	343	eP	35	58.36	-0.6							
NVL	88.60	183	ePc	48	53.50	-1.0											36	11.95								
MHC	89.26	314	eP	48	58.60	0.5							CDD	1.50	323	eP	36	07.15	-2.1							
BDT	89.43	289	eP	48	58.20	-0.9											36	28.35								
CHG	90.06	290	ePd	49	02.60	0.6							XLV	1.71	3	iP	36	10.69	-1.6							
	0.8s	35.82nm											AUI	1.78	334	eP	36	11.45	-1.8							
BT0	90.18	314	eP	49	02.40	0.1							AUE	1.79	335	eP	36	11.71	-1.7							
CD2	90.65	303	P	49	05.30	0.7							AUH	1.81	334	eP	36	12.28	-1.5							
SES	92.09	36	eP	49	09.00	-1.8							CNPM	1.82	11	eP	36	11.62	-2.2							
LZH	92.64	308	Pd	49	14.20	0.4							HOM	1.92	4	eP	36	13.06	-2.2							
	1.0s	28.00nm											MCNL	1.93	319	eP	36	12.83	-2.6							
QUE	121.01	293	ePKP	54	50.80	-1.1							NNL	2.32	7	eP	36	19.66	-1.4							
SOD	130.65	348	ePKP	55	07.00	-2.0							RSO	2.76	351	iP	36	24.78	-2.7							
NUR	136.97	344	iPKP	55	19.10	-2.1							RS2	2.76	351	eP	36	24.43	-3.1							
	0.4s	4.90nm							PVY	0.68	46	iPgd	39	55.82	-0.2	REF	2.78	352	iP	36	25.06	-2.7				
NAO	139.31	353	PKP	55	13.80	-11.7X								40	06.62		RDW	2.78	351	eP	36	24.89	-3.0			
	0.6s	2.10nm							HCY	0.69	298	iPgd	39	55.52	-0.6	RDN	2.81	351	eP	36	25.33	-2.8				
HFS	139.60	351	ePKP	55	15.90	-10.1X								40	06.70		RDT	2.85	355	eP	36	25.64	-3.0			
	0.4s	3.60nm							NKY	0.73	341	iPgd	39	56.62	-0.3	NCT	2.87	350	eP	36	26.25	-2.8				
EKA	145.13	5	PKP	55	35.00	-0.7								40	08.40		DFR	2.88	352	eP	36	26.83	-2.3			
	0.7s	4.10nm							IVA	0.86	30	iPgc	39	59.05	-0.1	SLKM	2.90	17	eP	36	27.64	-1.7				
KAS	145.91	315	ePKP	55	38.50	0.9								40	12.60		KNIM	3.38	38	eP	36	31.92	-4.2			
DMU	146.11	9	ePKP	55	38.00	0.7							BRY	0.96	324	iPgd	40	01.12	0.2	SPU	3.45	359	eP	36	34.54	-2.6
DCN	146.59	10	ePKP	55	39.30	1.2								40	16.33		CKL	3.47	356	eP	36	34.38	-3.1			
BHL	147.24	301	PKP	55	41.00	1.1							S.D. = 0.5 on 8 of 8 obs.				CRP	3.53	358	eP	36	34.68	-3.7			
KRA	147.26	338	ePKPd	55	41.20	1.9											24 obs. associated									
		e	55	45.10													% JUN 18, 1991 00h 21m 01.42±1.36s									
VR1	147.52	327	ePKPc	55	42.00	2.1											17.673 S ±16.9km 122.441 E ±13.0km									
WIT	147.62	354	ePKP	55	43.00	3.2X											DEPTH = 33.0km (normal)									
KSP	147.72	343	iPKPd	55	43.00	2.9X											WESTERN AUSTRALIA (590)									
	0.7s	29.00nm															KNA 6.36 73 eP 22 36.20 0.9									
		i	55	47.40													eS 23 43.00									
ADI	147.79	300	ePKP	55	43.30	2.5											NANU 8.11 232 eP 22 59.00 -0.9									
SPC	147.88	337	ePKP	55	42.80	2.2											eS 23 43.00									
JVI	147.95	298	ePKP	55	44.20	3.1X											WARB 9.32 156 eP 23 17.10 0.5									
CLL	148.11	347	iPKP	55	43.40	2.8X											0.2s 5.00nm 5.4mb X									
	0.8s	40.00nm															eS 24 54.00									
		i	55	48.00													MTN 9.66 61 eP 23 21.40 0.1									
		pPKP	57	52.00													0.3s 73.00nm 6.5mb X									
WTS	148.42	354	iPKPd	55	44.30	3.2X											eS 25 04.00									
	0.9s	31.00nm															WB2 11.50 103 eP 23 44.90 -1.6									
MBH	148.75	294	ePKP	55	46.20	3.8X											MRWA 12.92 206 eP 24 06.30 0.9									
PRU	148.97	344	PKPd	55	45.80	3.8X											eS 26 14.00									
	1.1s	16.80nm															S.D. = 1.3 on 6 of 6 obs.									
		e	55	52.00													JUN 18, 1991 00h 48m 07.57±0.49s									
MOX	149.02	348	ePKP	55	41.20	-0.9											42.334 N ±4.1km 19.969 E ±4.3km									
	1.5s	27.00nm															DEPTH = 10.0km (geophysicist)									
ENN	149.72	355	iPKPd	55	47.60	4.5X											YUGOSLAVIA (383)									
	0.7s	12.00nm															ML 2.2 (TTG).									
SRO	149.73	338	ePKP	55	46.30	3.1X																				
		i	55	53.30																						
ZST	149.82	339	ePKP	55	47.80	4.5X																				
		i	55	56.30																						
		e	11	32.70																						
KHC	150.00	344	PKP	55	41.50	-2.2																				
	1.0s	10.70nm																								
		e	55	48.20																						
		e	55	57.00																						
GRF	150.01	340	ePKP	55	49.10	5.5X																				
MFT	150.40	318	ePKP	55	49.00	4.4X																				
KGT	150.58	318	ePKP	55	48.60	3.9X																				
EZN	151.55	318	ePKP	55	51.10	4.9X																				
FLN	151.85	3	ePKP	55	52.20	5.9X																				
CDF	151.90	352	ePKP	55	52.60	6.1X																				
	0.7s	4.40nm																								
LDF	152.03	3	ePKP	55	52.50	5.9X																				
	0.8s	6.70nm																								
GRR	152.20	4	ePKP	55	53.30	6.5X																				
	0.6s	5.40nm																								
WITA	152.22	345	iPKPd	55	53.00	5.8X																				
		e	55	53.00																						
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SKO 1.15 108 iSg 48 45.72
ePg 48 36.50 1.4
eSg 48 46.20
BRY 1.19 299 iPg 48 30.40 0.5
iSg 48 48.65
OHR 1.37 153 ePn 48 34.00 1.2
S.D. = 1.0 on 15 of 15 obs.

* JUN 18, 1991 02h 31m 54.71±1.40s
8.485 S ± 9.0km 76.065 W ± 11.6km
DEPTH = 53.2 ± 15.8 km
4.8mb (3 obs.)

PERU (116)

NNA 3.56 192 eP 32 48.50 -0.4
0.7s 27.40nm
i 32 50.60
eS 33 32.50
PT10 3.68 194 eP 32 50.00 -0.5
i 32 54.00
eS 33 40.00
ARE 9.10 151 eP 34 09.00 2.5
ZOBO 10.95 136 P 34 31.20 -0.9
S 37 44.00
SIV 16.43 118 iPc 35 42.00 -1.4
SDV 18.08 18 eP 36 04.80 0.7
TOV 19.20 19 eP 36 17.80 0.5
TUL 47.91 338 eP 40 28.30 -1.4
1.0s 13.50nm 4.9mb
MEO 48.02 335 e(P) 40 28.50 -2.1
ALO 51.87 328 eP 40 46.00 -14.3X
1.0s 2.50nm
ANMO 51.87 328 P 41 00.80 0.5
GOL 55.09 333 P 41 25.50 1.5
TNP 60.15 323 P 41 59.00 -0.6
PNT 69.00 331 eP 42 58.00 1.4
0.6s 4.00nm 4.5mb
TIC 72.40 80 P 43 17.40 -0.4
YKA 76.74 343 eP 43 40.80 -1.0
INK 86.46 342 eP 44 33.00 0.5
MBC 88.28 351 eP 44 41.00 -0.1
0.7s 5.00nm 4.9mb
WB2 138.83 226 ePKP 51 18.50 0.7
WRA 138.84 226 PKP 51 18.00 0.2
1.0s 1.90nm
S.D. = 1.2 on 19 of 20 obs.

* JUN 18, 1991 02h 53m 07.86s
60.988 N 150.828 W
DEPTH = 10.3km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.7 (AEIC).

NKA 0.32 219 iPc 53 16.47 2.0
SUA 0.48 5 iPd 53 18.01 0.4
iS 53 25.62
SLKM 0.57 148 iPd 53 18.54 -0.8
SPU 0.63 289 iPd 53 19.77 -0.7
iS 53 28.29
CGLM 0.66 300 ePd 53 20.46 -0.5
PMS 0.67 67 ePc 53 20.58 -0.6
eS 53 29.56
CRP 0.70 294 iPd 53 21.31 -0.5
iS 53 30.88
CKL 0.76 287 iPd 53 22.01 -0.8
NCG 0.77 304 ePd 53 22.18 -0.7
BGL 0.81 291 eP 53 22.84 -0.7
PWA 0.81 34 ePc 53 23.39 -0.1
RDT 0.88 242 iPc 53 23.79 -1.0
eS 53 35.00
NNL 0.98 194 ePd 53 26.56 0.2
DFR 0.99 247 eP 53 25.71 -1.0
iS 53 38.65
PLRM 1.02 53 ePc 53 25.72 -1.4
REF 1.05 242 iPc 53 26.70 -1.0
eS 53 40.60
SKT 1.05 342 iPd 53 27.21 -0.5
S 53 41.22
RDN 1.06 244 iPc 53 26.56 -1.4
eS 53 40.16
RSO 1.08 242 iPc 53 27.29 -1.1
eS 53 41.15
RS2 1.08 242 iPc 53 27.27 -1.1
eS 53 41.06
RDW 1.10 243 iPc 53 27.43 -1.1
eS 53 40.88
RED 1.11 240 eP 53 27.52 -1.3

NCT 1.12 248 ePc 53 27.66 -1.2
eS 53 41.76
SEW 1.12 142 eP 53 27.74 -1.0
S 53 41.97
GHO 1.21 49 eP 53 29.05 -1.3
eS 53 45.61
KNK 1.23 69 eP 53 30.28 -0.4
S 53 46.49
HOM 1.39 197 eP 53 32.64 -0.6
eS 53 50.50
CUT 1.45 10 eP 53 33.88 -0.1
eS 53 52.56
SML 1.46 54 eP 53 33.85 -0.3
CNPM 1.48 188 ePc 53 33.63 -0.9
eS 53 52.04
KNIM 1.65 111 ePc 53 36.23 -0.7
S 53 58.44
LTI 1.75 122 eP 53 38.03 -0.4
GLI 1.83 92 iPc 53 39.05 -0.5
eS 54 02.93
MTU 1.87 121 eP 53 39.22 -0.9
VZW 2.08 86 ePc 53 43.06 -0.2
VLZ 2.19 84 ePc 53 44.53 -0.2
SVW 2.34 275 eP 53 45.84 -1.1
KLU 2.43 76 eP 53 48.08 -0.1
TRF 2.49 6 eP 53 50.66 1.5
TOA 2.49 61 eP 53 49.58 0.4
GLB 3.43 79 eP 54 01.51 -0.9
41 obs. associated

JUN 18, 1991 03h 20m 25.31±0.40s
15.219 N ± 5.8km 120.322 E ± 7.6km
DEPTH = 10.0km (geophysicist)
4.9mb (19 obs.) 4.4MsZ (4 obs.)
LUZON, PHILIPPINE ISLANDS (249)

QVP 0.89 132 P 20 45.00 2.7
QCP 0.93 128 eP 20 28.90 -14.2X
BAG 1.21 12 iPc+ 20 46.10 -1.9
TGY 1.26 152 P 20 50.00 1.3
SZP 2.32 3 P 21 07.50 3.3X
CVP 2.86 30 P 21 13.30 1.5
QZH 9.81 351 Pc 22 51.50 2.1
0.7s 31.00nm 5.8mb
Z 18s 2.40um 4.1MsZ
N 16s 1.40um
E 16s 1.30um
S 24 45.00
OIZ 10.71 292 eP 23 01.30 -0.6
N 13s 1.70um
SSE 15.82 3 eP 24 09.00 -0.8
Z 20s 1.80um
N 16s 1.00um
E 15s 0.70um

WHN 16.21 341 eP 24 18.00 3.3X
1.5s 100.00nm 4.7mb
Z 20s 0.70um 3.9MsZ
E 16s 1.60um

KMI 19.20 304 Pc 24 55.50 3.2X
Z 14s 0.40um
eS 28 30.00
NNT 20.15 265 eP 24 57.20 -5.5X
BDT 20.57 279 eP 25 07.40 0.4
CHG 20.75 283 eP 25 10.00 1.1
TIA 21.10 353 P 25 12.90 0.5
1.6s 34.00nm 4.5mb
Z 24s 0.90um 4.1MsZ
E 15s 0.40um

KGM 21.29 234 eP 25 16.00 1.5
XAN 21.38 333 eP 25 15.50 0.2
N 14s 1.10um
E 14s 1.40um

IPM 21.73 243 ePd 25 28.20 9.3X
CD2 21.78 319 P 25 20.00 0.7
0.8s 49.00nm 5.0mb
E 12s 1.64um

TIY 23.47 344 eP 25 36.40 0.4
Z 20s 1.00um 4.3MsZ
N 16s 1.10um

TRT 24.02 199 ePc 25 42.50 1.2

BJI 24.99 352 eP 25 50.50 -0.1
1.5s 110.00nm 5.3mb
Z 22s 0.80um 4.2MsZ
eS 30 18.00
LZH 25.47 328 eP 25 57.00 1.7
2.0s 100.00nm 5.2mb
N 11s 0.87um
E 12s 0.92um

HHC 26.65 345 eP 26 05.50 30kmX
1.4s 20.00nm 4.6mb /
Z 18s 1.20um 4.5MsZ
N 13s 0.50um
E 13s 0.50um

SNY 26.66 5 eP 26 03.40 -2.7
Z 24s 1.00um 4.3MsZ
BTO 26.83 342 eP 26 10.00 2.2
N 16s 0.60um
E 16s 0.50um

SHL 28.52 296 iP 26 22.00 -1.4
GTA 30.07 327 eP 26 38.00 0.9
1.0s 10.00nm 4.6mb
Z 18s 1.20um 4.6MsZ
N 18s 1.40um

PcP 29 39.00
S 31 38.00
GUN 34.31 297 P 27 13.80 -0.8
0.8s 46.00nm 5.4mb

PKI 34.63 297 P 27 15.80 -1.6
1.0s 43.00nm 5.3mb
KKN 34.79 297 P 27 17.92 -0.7
0.9s 31.00nm 5.2mb

DMN 34.90 297 P 27 18.66 -0.9
1.0s 36.00nm 5.2mb
GKN 35.40 297 P 27 22.48 -1.2
0.9s 33.00nm 5.2mb

WB2 37.57 158 iPc 27 39.40 -2.4
e 34 46.40
WMO 39.78 322 eP 28 02.20 2.0
Z 14s 0.90um 4.8MsZ
N 16s 1.27um
E 16s 1.10um

PP 29 34.50
HYB 40.09 279 eP 27 59.50 -3.5X
ASPA 40.86 161 iPc 28 07.10 -2.1
0.7s 15.30nm 4.8mb

GBA 41.52 273 Pc 28 15.30 0.6
0.9s 11.10nm 4.6mb
WARB 41.61 171 eP 28 13.50 -1.8
STK 51.08 157 eP 29 23.10 -7.0X
0.3s 1.10nm 4.3mb

MAIO 57.73 303 iPc 30 19.00 0.0
OBN 74.09 324 eP 32 02.00 -1.3
0.9s *****nm 8.0mb X
Z 16s 0.40um 4.8MsZ

KEV 76.99 339 eP 32 20.00 0.4
FBA 77.15 26 P 32 19.20 -1.3
SOD 77.50 337 eP 32 21.00 -1.4
GLH 77.52 301 eP 32 24.80 1.5

DSI 77.96 300 eP 32 27.00 1.3
PRNI 78.51 298 eP 32 29.50 0.7
NUR 79.66 330 eP 32 34.00 -0.3
INK 81.82 21 eP 32 44.00 -1.6
MBC 82.15 12 eP 32 48.50 1.3

1.0s 7.00nm 4.7mb
MLR 82.32 315 eP 32 50.00 1.1
HFS 84.97 331 ePKP 33 00.30 -1.6
0.5s 2.40nm 4.7mb

KRA 84.99 320 eP 33 01.30 -0.8
VAY 85.78 312 eP 33 05.30 -1.0
NAO 86.01 332 P 33 02.60 -4.5X
0.8s 7.90nm 4.9mb

SKO 86.41 312 eP 33 01.00 -0.4X
KSP 86.94 322 eP 33 11.40 -0.4
YKA 91.52 22 eP 33 32.70 -0.5
KIC 121.50 287 PKP 39 21.00 -0.6

S.D. = 1.4 on 50 of 60 obs.
* JUN 18, 1991 03h 38m 26.43±0.35s
38.938 N ± 3.4km 29.249 E ± 4.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 3.6 (ISK).

KHL	0.65	161	iPg	38 38.80	-0.7	INK	14.54	29 P	18 31.00	-3.1	FBA	83.46	21 ePc	29 33.00	-1.1
			iSg	38 48.50			0.9s	1.10nm		3.4mb	BALM	83.67	26 P	29 35.00	-0.3
ALT	0.68	80	iPg	38 40.00	0.0	YKA	19.96	57 eP	19 39.90	-1.1	BRW	84.67	14 eP	29 40.60	0.6
			iSg	38 49.60		PNT	21.18	96 eP	19 57.00	3.3	INK	90.06	21 ePc	30 05.60	-0.5
Izm	1.65	251	iPn	38 56.30	0.8		1.0s	12.00nm		4.2mb	MBC	96.04	14 eP	30 33.00	-0.5
BNT	1.75	324	iPn	38 56.60	-0.4	MBC	23.04	20 eP	20 11.50	-0.3		1.0s	7.00nm		5.1mb
EDC	1.77	323	iPn	38 57.00	-0.2		0.6s	22.00nm		4.8mb	YKA	96.68	28 eP	30 35.20	-1.3
EYL	1.77	23	iPn	38 57.00	-0.4	KEV	53.79	0 eP	24 37.00	7.1	PPM	107.93	72 iPKP	35 44.30	8.5X
BCK	1.81	144	iPn	38 58.50	0.5	SOD	56.19	0 eP	24 53.00	5.6	ZOBO	131.45	119 PKP	36 22.00	1.2
GBZT	1.85	5	ePn	39 09.40	10.9X	NAO	62.07	9 P	25 23.30	-4.9	BMA	144.86	149 (PKP)	36 45.00	0.5
HRT	1.91	10	ePn	38 59.50	0.2		0.7s	1.60nm		4.3mb	BAO	147.89	135 ePKPd	36 51.30	1.6
YER	1.96	203	ePn	39 00.10	0.1	HFS	62.97	7 eP	25 31.60	-2.6		S.D.	= 0.9	on 36 of 40 obs.	
ISK	2.13	356	ePn	39 03.00	0.5		0.4s	0.90nm		4.3mb					
KGT	2.13	316	iPn	39 02.50	0.0	NUR	63.06	1 eP	25 33.00	-1.7					
ELL	2.25	166	ePn	39 04.20	-0.2		66 obs.	associated			% JUN 18, 1991 08h 14m 02.50± 0.53s				
CTT	2.29	344	iPn	39 05.50	0.6						40.978 N ± 6.9km				
MFT	2.39	321	ePn	39 06.00	-0.3						DEPTH = 10.0km (geophysicist)				
EZN	2.43	292	ePn	39 06.10	-0.7	* JUN 18, 1991 06h 28m 18.99± 3.93s					TURKEY (366)				
	S.D.	= 0.5	on 15 of 16 obs.			45.542 N ± 32.2km					MD 3.1 (ISK).				
						DEPTH = 10.0km (geophysicist)									
& JUN 18, 1991 06h 15m 09.32s						YUGOSLAVIA (383)									
56.754 N						MD 2.1 (LJU). ML 2.0 (ZAG).					ISK	0.09	359 iPg	14 05.50	0.5
152.899 W											GBZT	0.35	123 ePg	14 10.80	1.1
DEPTH = 34.6km						ZAG	0.31	28 iPg	28 26.00	0.5			iSg	14 15.80	
4.3mb (5 obs.)								iSg	28 31.00		HRT	0.49	109 iPg	14 11.50	-0.9
KODIAK ISLAND REGION (13)						VBY	0.36	264 iPgd	28 26.10	-0.4	CTT	0.51	290 iPg	14 12.50	-0.3
<AEIC>. ML 4.4 (AEIC). Felt								iSg	28 30.50		EYL	0.93	116 iPg	14 19.80	-0.5
(III) at Chiniok.						PTJ	0.38	20 iPgd	28 26.20	-0.6	BNT	1.07	235 iPn	14 22.70	0.1
								eSg	28 31.90		EDC	1.11	236 iPn	14 23.40	0.1
KDC	1.02	12	iPc	15 26.70	-0.6	CEY	0.96	282 e(Pg)	28 37.80	0.5	GPA	1.17	126 iPn	14 24.50	0.1
SYI	1.88	8	ePc	15 38.43	-1.2			eSg	28 49.20		MFT	1.36	263 iPn	14 27.30	-0.3
			eS	16 02.45		LJU	1.00	300 ePg	28 38.00	0.0	KGT	1.44	249 iPn	14 28.70	0.1
CDD	2.22	350	ePc	15 43.18	-1.4			eSg	28 49.10			S.D.	= 0.6	on 10 of 10 obs.	
MCNL	2.56	343	eP	15 47.45	-1.8		S.D.	= 0.7	on 5 of 5 obs.		% JUN 18, 1991 08h 19m 13.14± 1.59s				
AUI	2.60	354	eP	15 48.83	-1.1		JUN 18, 1991 07h 17m 15.69± 1.17s				39.144 N ± 8.6km				
			S	16 18.30			7.304 S ± 7.8km				DEPTH = 10.0km (geophysicist)				
AUE	2.62	355	eP	15 49.52	-0.7		DEPTH = 91.4 ± 11.6 km				TURKEY (366)				
AUH	2.63	354	ePc	15 49.43	-1.0		4.8mb (9 obs.)				MD 2.9 (ISK).				
XLV	2.78	12	eP	15 51.21	-1.3	SOLOMON ISLANDS (193)									
CNPM	2.92	17	iPc	15 53.03	-1.4						Izm	0.88	213 iPg	19 30.10	0.0
HOM	2.99	12	ePc	15 54.27	-1.1								iSg	19 42.70	
PDB	3.12	348	ePc	15 55.18	-2.1	RAB	4.08	319 e(P)	18 28.00	11.0X	EDC	1.20	360 ePn	19 35.40	-0.1
NNL	3.40	14	ePc	15 59.91	-1.4			eS	19 20.00		BNT	1.21	2 iPn	19 35.50	-0.2
RED	3.68	1	eP	16 02.80	-2.5	SVO	5.25	111 eP	18 35.00	1.7	EZN	1.37	300 ePn	19 38.10	-0.2
RSO	3.72	1	ePc	16 03.84	-2.1			eS	19 53.00		KGT	1.38	342 iPn	19 38.60	0.3
RS2	3.72	1	ePc	16 04.11	-1.9	HNR	5.47	113 eP	18 35.00	-1.4	MFT	1.70	345 iPn	19 43.30	0.2
RDW	3.74	1	ePc	16 04.21	-2.1			eS	19 54.00			S.D.	= 0.3	on 6 of 6 obs.	
REF	3.75	1	ePc	16 04.12	-2.3	PMG	7.89	254 iPd	19 09.80	0.1					
RDN	3.77	1	eP	16 04.68	-2.0			eS	20 44.00		? JUN 18, 1991 08h 46m 21.42± 1.67s				
SEW	3.82	27	ePc	16 04.11	-3.1	DZM	18.46	144 iPd	21 28.00	0.8	37.889 N ± 29.7km				
NCT	3.82	360	ePc	16 05.01	-2.3	RMQ	19.94	196 iPc	21 42.00	-0.9	DEPTH = 10.0km (geophysicist)				
RDT	3.84	4	ePc	16 05.14	-2.5	WB2	23.51	236 iPd	22 18.60	0.2	4.2mb (2 obs.)				
DFR	3.85	2	eP	16 05.90	-1.9	WRA	23.52	236 P	22 18.00	-0.5	AZORES ISLANDS (405)				
SLKM	4.02	19	eP	16 07.28	-2.8		0.9s	15.50nm		4.4mb	Felt (III) at Mosteiros.				
NKA	4.09	12	eP	16 10.95	-0.1	ASPA	25.86	229 iPd	22 40.00	-0.6					
LTI	4.23	37	ePc	16 09.71	-3.4		0.8s	11.10nm		4.4mb	PDA	0.61	103 iPd	46 33.50	-0.2
SPU	4.46	5	ePc	16 13.50	-2.9	STK	27.40	205 eP	22 53.20	-1.3			iS	46 41.50	
CKL	4.47	3	ePc	16 13.65	-2.9		1.1s	4.20nm		3.9mb	ADH	1.00	320 iPd	46 40.10	-0.3
SDN	4.49	255	eP	16 15.20	-1.5			e	23 11.60				iS	46 52.70	
BGL	4.53	3	eP	16 15.28	-2.1	WARB	32.76	232 eP	23 42.00	-0.1	PICO	1.70	292 iPd	46 51.70	0.4
CRP	4.54	5	eP	16 15.50	-2.1	TIY	59.74	322 eP	27 20.00	6.6X			iS	47 13.20	
SVW	4.59	343	ePc	16 15.60	-2.6	XAN	59.82	316 P	27 13.00	-1.0	TCF	22.75	59 eP	51 27.60	2.8X
CGLM	4.59	5	eP	16 15.69	-2.5	CHG	60.90	296 eP	27 24.10	2.6X	AVF	23.62	58 eP	51 35.30	2.1
PMS	4.82	20	ePc	16 18.34	-3.2	CD2	61.90	311 P	27 28.20	0.1		1.0s	6.00nm		4.1mb
SUA	4.85	12	eP	16 18.73	-3.3		0.9s	35.00nm		5.4mb	SMF	23.92	59 eP	51 34.60	-1.5
GLI	5.12	34	eP	16 21.92	-3.7	LZH	64.43	316 eP	27 45.50	0.7		1.0s	10.00nm		4.4mb
PWA	5.15	16	eP	16 23.39	-2.7		1.4s	38.00nm		5.1mb	YKA	56.41	326 eP	56 04.50	-0.5
KNK	5.20	24	eP	16 23.20	-3.7			pP	27 53.00	24kmX		S.D.	= 1.6	on 6 of 7 obs.	
PLRM	5.23	20	eP	16 23.59	-3.5			sP	27 57.50						
PMR	5.23	20	eP	16 27.30	0.2	GTA	68.86	317 iPc	28 13.00	1.1	? JUN 18, 1991 10h 01m 17.32± 6.01s				
SKT	5.29	7	eP	16 24.87	-3.2		1.2s	20.00nm		4.9mb	49.010 N ± 44.7km				
VZW	5.43	35	ePc	16 26.56	-3.4			pP	28 21.00	23kmX	DEPTH = 10.0km (geophysicist)				
GHO	5.43	20	ePc	16 26.49	-3.6			sP	28 25.60		GERMANY (543)				
VLZ	5.55	35	ePc	16 28.45	-3.2	GUN	75.15	301 P	28 51.08	0.5	MD 2.5 (STR).				
SML	5.58	23	eP	16 28.50	-3.7		0.7s	32.00nm		5.3mb	CDF	0.66	154 Pg	01 30.06	-0.5
SCM	5.84	27	eP	16 32.67	-3.2	PKI	75.45	301 P	28 52.24	0.0			Sg	01 43.82	
KLU	5.96	34	eP	16 34.39	-3.1	KKK	75.62	301 P	28 53.28	0.2	WLS	0.69	150 Pg	01 30.36	-0.6
TOA	6.37	30	eP	16 41.30	-2.0	DMN	75.72	301 P	28 55.08	1.4	ECH	0.82	165 Pg	01 33.22	0.0
TTA	6.39	347	eP	16 40.10	-3.5	GKN	76.23	301 P	28 56.70	0.3			Sg	01 48.27	
TGL	6.60	48	eP	16 43.76	-2.8	SVW	78.33	22 eP	29 07.60	0.4	VITF	0.98	216 Pg	01 35.58	-0.3
GLB	6.63	41	ePc	16 43.22	-3.7	WMO	78.95	317 P	29 11.50	0.5			Sg	01 51.06	
TRF	6.84	10	eP	16 46.42	-3.6		1.0s	7.00nm		4.5mb	MOF	1.18	170 Pg	01 40.18	0.8
SDG	6.88	30	eP	16 46.39	-4.1	RSO	79.04	24 P	29 09.50	-1.8	FEL	1.38	145 Pg	01 43.25	0.6
BALM	6.95	47	eP	16 48.13	-3.3	TTA	79.36	21 eP	29 13.00	0.2	LOWF	1.66	180 Pg	01 49.50	2.8X
MCK	7.27	14	eP	16 53.06	-2.8	SLKM	80.08	24 P	29 15.50	-1.1		S.D.	= 0.8	on 6 of 7 obs.	
PNL	7.70	62	eP	16 59.44	-2.5	PMR	81.13	24 eP	29 21.40	-0.6	% JUN 18, 1991 10h 28m 45.26± 0.92s				
FBA	8.54	15	eP	17 09.40	-4.1	IMA	82.14	19 ePc	29 27.50	0.0					
IMA	9.36	358	eP	17 22.30	-2.6	TOA	82.59	24 eP	29 30.40	0.6					

41.102 N \pm 12.8km 28.673 E \pm 4.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.7 (ISK).

CTT	0.19	284	iPg	28	49.50	0.0
ISK	0.29	97	iPg	28	51.00	-0.4
BNT	0.94	218	ePn	29	03.00	-0.2
MFT	1.10	254	iPn	29	06.10	0.1
KGT	1.23	238	ePn	29	08.00	-0.1
EYL	1.25	115	ePn	29	09.00	0.5

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

* JUN 18, 1991 10h 39m 12.37 \pm 0.58s
 16.749 S \pm 19.5km 175.341 E \pm 11.9km
 DEPTH = 33.0km (normol)
 4.5mb (4 obs.)

FIJI ISLANDS REGION (181)

MBU	3.24	94	eP	40	01.00	-1.2
DZM	9.92	236	iPd	41	36.00	0.1
COO	25.44	233	eP	44	40.00	1.0
RMO	26.50	244	iPd	44	49.50	0.7
STK	34.08	238	eP	45	55.60	-0.4

0.8s 4.20nm 4.4mb

WB2	38.97	259	iPc	46	35.60	-1.9
			i	46	35.30	

MAT 63.55 327 eP 49 41.00 -1.0

0.8s 5.97nm 4.8mb

TNP 83.45 47 (P) 51 40.00 1.6

FBA 86.11 15 P 51 50.80 0.0

1.0s 2.70nm 4.4mb

ALO 90.13 54 eP 52 12.00 1.0

1.2s 3.91nm 4.6mb

YKA 95.85 26 eP 52 44.00 7.6X

KHC 144.46 339 PKP 58 46.00 -1.0

e 59 03.50

GRF 144.71 342 iPKPc 58 47.70 0.4

CDF 146.94 345 ePKP 58 52.60 1.4

0.8s 8.05nm

LPF 148.66 355 ePKP 58 51.50 -2.3

LOR 148.76 349 ePKP 58 57.40 3.3X

SSF 149.03 349 ePKP 58 58.40 4.0X

0.9s 6.55nm

TCF 150.00 350 ePKP 58 57.60 1.6

MFF 150.00 354 ePKP 58 50.50 -5.4X

MAF 150.00 350 ePKP 59 00.50 4.5X

S.D. = 1.4 on 15 of 20 obs.

JUN 18, 1991 11h 33m 18.32 \pm 0.11s

0.130 N \pm 2.5km 149.285 E \pm 3.0km

DEPTH = 37.5km (10 depth phases)

5.7mb (64 obs.) 5.3Msz (20 obs.)

CAROLINE ISLANDS REGION (614)

Ms 5.8 (BRK). Mo=1.6*10**18 Nm

(PPT).

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 22S, 54C

Centroid Location:

Origin Time 11:33:24.0 0.2

Lat 0.69N 0.03 Lon 149.48E 0.03

Dep 15.0 FIX Half-duration 3.2

Moment Tensor; Scale 10**17 Nm

Mrr=-3.37 0.11 Mtt=-2.82 0.14

Mff= 6.18 0.15 Mrt= 1.95 0.34

Mrf= 1.86 0.44 Mtf= 3.96 0.11

Principal Axes:

T Val= 8.20 Plg=12 Azm=292

N -2.94 49 36

P -5.26 39 192

Best Double Couple: Mo=6.7*10**17

NP1:Strike=340 Dip=54 Slip=-158

NP2: 236 73 -38

RAB 5.17 146 iPc+ 34 33.00 -2.4

0.5s 1746.48nm 6.7mb X

LAT 7.11 199 ePd 35 04.90 2.2

YYYY 7.14 208 eP 35 06.30 3.0X

MNDI 8.40 222 eP 35 24.00 3.2X

PMG 9.71 193 iPd 35 38.80 0.1

VSG 13.95 132 eP 36 35.00 -0.8

SVO 13.96 132 eP 36 35.00 -0.9

eS 39 44.00

GUMO 14.07 342 eP 36 35.10 -2.2

1.7s 1024.39nm 6.2mb

eS 39 10.80

HNR 14.24 132 eP 36 38.00 -1.6

eS 39 18.00

AAI 21.42 260 ePc 38 06.20 0.9

eS 46 35.70

MTN 22.14 234 eP 38 11.00 -1.6

MNI 24.48 273 eP 38 36.00 0.6

DAV 24.64 287 eP 38 37.60 0.7

WB2 24.74 215 iPd 38 38.70 0.8

KNA 25.68 231 iPd 38 46.70 -0.1

0.8s 122.00nm 5.5mb

PVC 25.80 134 iPc 38 49.00 1.1

RMO 26.47 181 iPd 38 53.50 -0.5

0.8s 397.00nm 6.1mb

BRS 27.57 173 iPc 39 04.00 0.0

i (pP) 39 20.00 68kmX

i (PP) 39 58.00

iS 43 45.00

DZM 27.69 144 iPc 39 04.60 -0.7

COO 30.64 176 iPc 39 31.90 0.4

0.9s 174.00nm 5.8mb

QCP 31.40 299 eP 39 54.00 17kmX

TSM 31.45 278 ePd 39 41.80 3.0X

CMS 31.61 186 iPd 39 38.70 -1.3

1.0s 52.00nm 5.3mb

e 42 17.00

BAG 32.60 301 ePc+ 39 47.80 -1.2

1.6s 486.67nm 6.1mb

eS 45 02.00

STK 32.66 192 iPc 39 46.40 -2.8

0.6s 8.70nm 4.8mb

e 46 32.10

MBU 33.61 122 eP 39 58.50 -0.8

WARB 34.07 218 iPd 40 01.50 -0.1

0.4s 44.00nm 5.7mb

BWA 34.38 181 iPd 40 03.60 -0.5

CNB 35.26 180 iPc 40 11.40 -0.3

0.8s 225.00nm 6.1mb

i 40 22.80 41km

CAN 35.27 180 iPd 40 11.10 -0.6

KAGJ 35.47 332 eP 40 12.70 -0.7

ADE 36.29 195 iPd 40 19.40 -0.9

0.8s 101.49nm 5.8mb

ANP 36.61 315 eP 40 22.00 -1.2

KUMJ 36.63 333 eP 40 22.00 -1.2

FORR 36.80 211 eP 40 23.00 -1.5

0.4s 65.00nm 5.9mb

CHJJ 36.99 346 P 40 23.80 -2.4

TSRJ 37.34 342 P 40 27.20 -1.9

SHK 37.59 337 eP 40 30.00 -1.2

bfd 37.64 189 iPd 40 29.80 -1.8

1.0s 133.00nm 5.8mb

MAT 37.66 345 eP 40 28.00 -3.8X

0.9s 36.13nm 5.3mb

Z 20s 4.61um 5.3Msz

eS 46 09.00

TOO 37.68 185 iPd 40 32.40 0.5

1.0s 324.00nm 6.2mb

OZH 38.59 312 P 40 39.20 -0.6

1.0s 48.00nm 5.3mb

N 16s 1.70um

PP 42 08.00

NANU 39.85 233 eP 40 50.00 -0.3

HKC 40.68 305 iP 40 59.20 2.2

eS 47 08.00

SSE 40.72 322 Pc 40 57.00 -0.3

1.4s 130.00nm 5.5mb

Z 20s 3.20um 5.2Msz

N 15s 1.70um

pP 41 13.00 63kmX

PcP 42 58.00

S 47 05.00

SS 50 04.00

COOL 40.80 218 iPd 40 57.20 -0.8

0.5s 46.00nm 5.5mb

GZH 41.72 306 Pc 41 08.00 2.4

Z 34s 5.10um 5.2MszX

E 15s 2.30um

S 47 20.00

NJ2 42.83 321 Pc 41 15.50 1.0

Z 19s 1.40um 4.9Msz

E 11s 1.20um

pP 41 27.00 41km

S 47 35.00

TAU 42.88 182 iPd 41 15.50 0.7

e 43 06.00 652kmX

QIZ 43.00 298 eP 41 18.10 1.9

0.8s 30.00nm 5.1mb

N 15s 1.70um

PP 43 03.00

S 47 43.00

MRWA 43.15 225 eP 41 17.30 0.1

KLB 43.43 220 eP 41 18.60 -0.8

BAL 43.50 222 eP 41 19.60 -0.4

NWAO 44.63 219 eP 41 23.00 -6.2X

0.8s 25.00nm 5.1mb

e 43 13.50 640kmX

MUN 44.69 221 eP 41 28.80 -0.9

0.7s 50.00nm 5.5mb

WHN 44.89 316 P 41 32.50 1.2

1.5s 100.00nm 5.5mb

Z 22s 2.60um 5.1Msz

E 13s 1.10um

pP 41 43.00 36km

S 48 08.00

KGM 45.99 273 eP 41 40.00 -0.3

e 42 05.50 109kmX

DL2 46.17 330 eP 41 41.00 -0.2

Z 20s 1.90um 5.0Msz

N 16s 2.60um

E 18s 3.50um

pP 41 50.00 30km

sP 41 56.00

TIA 46.69 324 Pc 41 45.00 -0.4

1.6s 100.00nm 5.5mb

Z 20s 1.60um 5.0Msz

N 14s 1.40um

S 48 31.00

NOZ 46.73 149 P 41 45.60 -0.1

TCW 46.97 154 P 41 48.00 0.4

MRW 47.18 154 eP 41 48.70 -0.5

CAW 47.24 153 P 41 49.40 -0.3

WDW 47.33 154 P 41 50.00 -0.4

LTZ 47.45 157 eP 41 51.20 -0.2

SNY 47.55 334 Pc 41 51.00 -1.1

0.8s 38.00nm 5.5mb

Z 23s 5.20um 5.4MszX

N 13s 1.90um

E 14s 0.80um

S 48 39.00

MDJ 47.62 341 eP 41 52.00 -0.7

0.8s 64.00nm 5.7mb

Z 24s 4.50um 5.4MszX

N 13s 0.89um

E 13s 1.49um

PP 43 45.00

eS 48 45.00

CN2 48.40 337 Pc 41 57.60 -1.2

1.2s 100.00nm 5.7mb

Z 20s 8.90um 5.7Msz

18d 11h

NNT	50.67	286	eP	42	17.80	1.3	KKN	0.9s	211.00nm	6.2mb	GSC	93.12	55	eP	46	30.00	-0.2		
NST	50.90	290	eP	42	20.30	2.0		67.09	300 P	44	10.62	-0.2	PLM	93.15	57	eP	46	30.00	-0.5
KMI	51.36	303	Pc	42	23.00	1.0	DMN	0.9s	262.00nm	6.3mb	TPC	93.80	56	eP	46	32.00	-1.3		
	1.5s	200.00nm			5.9mb		67.20	300 P	44	11.48	-0.1	GLA	94.87	57	eP	46	39.00	0.8	
Z	30s	3.70um			5.2mszX		0.9s	304.00nm		6.4mb		LRM	95.68	44	ePc	46	42.10	0.2	
		pP	42	33.50	36km		GKN	67.69	300 P	44	14.26	-0.3	SES	96.07	39	eP	46	42.00	-1.4
		S	49	43.00				0.9s	292.00nm	6.3mb	IR4	96.78	305	eP	46	47.00	0.0		
KHT	52.17	289	iPc	42	28.30	0.4	SDN	68.44	28 ePc	44	17.80	-0.7	IR1	96.94	306	eP	46	48.00	0.3
BDT	52.32	292	eP	42	27.50	-1.5	WMO	69.76	317 Pc	44	27.50	0.5	IR7	96.98	306	eP	46	48.00	0.1
CHG	52.75	294	iPc	42	33.20	0.9		1.5s	70.00nm	5.5mb	BW06	98.10	47 P		46	52.30	-0.6		
	1.3s	98.08nm			5.6mb		Z	28s	1.60um	5.1mszX		0.9s	7.63nm				5.2mb		
		eS	50	08.00			N	17s	1.30um			FFC	100.63	34	ePdiff47	05.00	1.2		
CD2	52.89	310	iPd	42	32.60	-0.6			iS	53	36.00			0.7s	6.00nm		5.3mb		
	0.8s	200.00nm			6.1mb				sS	53	56.00		ALO	101.60	54	ePdiff47	08.20	-0.6	
Z	18s	2.70um			5.3msz				SKS	54	21.80			1.0s	3.25nm		4.9mb		
N	12s	1.30um					HYB	71.60	288 ePc	44	38.20	-0.3	Z	18s	1.55um		5.6msz		
		S	50	01.00				1.0s	80.00nm		5.7mb		RSSD	101.84	45	Pdiff	47	09.70	0.0
		SS	53	36.00			CSY	71.74	195 iPc	44	38.70	0.3		0.7s	9.08nm		5.5mb		
HHC	53.02	324	P	42	34.00	0.0		0.7s	53.20nm		5.6mb		OBN	102.70	327	ePdiff47	10.00	-2.9X	
	1.4s	150.00nm			5.8mb		KOD	72.09	281 eP	44	42.40	0.6	Z	12s	0.30um		5.0mszX		
Z	24s	2.80um			5.2mszX		ANM	72.21	19 ePc	44	42.10	0.9		e		47	31.00		
N	15s	0.90um					GBA	72.34	284 Pc	44	42.70	-0.1	NAO	111.39	340	Pdiff	47	55.00	3.5X
E	15s	0.60um						0.9s	13.10nm		4.9mb			0.7s	1.10nm				
		pP	42	45.00	38km		PDB	73.68	26 P	44	49.00	-0.9	KRA	114.01	327	ePKP	51	56.00	0.8
		PP	44	34.00			SVW	73.75	25 ePd	44	50.90	0.5	CIR	115.80	247	iPKPd	52	01.90	2.3
		S	50	03.00			NDI	74.24	300 iPd	44	52.90	-0.9	MTD	116.49	251	iPKPc	52	00.50	-0.5
		ScS	52	17.00				1.0s	45.00nm		5.4mb		ZST	116.59	326	ePKP	52	01.40	1.2
BTO	53.77	323	iPc	42	39.00	-0.5			eS	57	25.00			e		53	23.60		
N	16s	1.30um					TTA	74.55	23 eP	44	55.50	0.5	CLL	116.87	331	ePKP	52	01.00	0.4
E	16s	0.80um					POO	76.15	289 iPd	45	05.50	0.6	Z	18s	0.50um		5.2msz		
		PP	44	41.00			PMR	76.73	26 eP	45	06.70	-0.6		e		52	05.00		
		iS	50	13.00			IMA	77.05	21 ePc	45	10.00	0.8		e		53	14.00		
LZH	55.27	315	Pc	42	50.80	0.1	KSH	77.07	310 eP	45	09.50	-0.3	OHR	117.95	318	ePKP	52	03.00	-0.1
	1.5s	200.00nm			5.9mb		E	16s	2.50um			MOX	117.96	331	ePKP	52	03.00	0.2	
Z	25s	2.07um			5.1mszX				pP	45	23.00	47km		Z	26s	0.80um		5.2mszX	
E	11s	0.83um					KLU	78.09	26 P	45	14.20	-0.7	N	22s	1.30um				
		PcP	43	48.00			TOA	78.22	26 eP	45	16.70	1.1	E	24s	1.10um				
		PP	45	00.00			FBA	78.68	23 ePd	45	16.90	-1.1			SKS	02	49.00		
		ScP	47	40.00			BRW	78.94	15 ePc	45	20.30	1.0	KRI	118.34	251	iPKPd	52	04.50	-0.1
		PcS	47	42.50			SIT	81.97	32 P	45	35.10	-0.4	BUL	118.69	247	iPKPc	52	04.90	-0.3
		eS	50	30.00				0.9s	23.33nm		5.2mb			0.8s	14.55nm				
		ScS	52	30.00			INK	85.15	21 eP	45	50.00	-1.6		iPp		52	14.30		
SMY	56.37	18	ePc	42	58.40	0.3		1.1s	61.00nm		5.7mb		GRF	118.78	330	e(PKP)	52	03.70	-0.7
ADK	58.97	24	ePc	43	16.00	-0.4	PGC	88.09	42 eP	46	07.00	0.7	Z	20s	0.80um		5.3msz		
GTA	59.68	317	Pd	43	21.60	-0.1	GMW	88.50	43 P	46	09.20	0.8	VBY	119.15	325	e(PKP)	52	05.80	0.6
	1.2s	140.00nm			6.0mb		WDC	88.53	50 iPc	46	09.21	0.6	WTTA	120.11	328	iPKPc	52	07.20	0.0
Z	28s	2.00um			5.1mszX		BRK	88.70	52 ePc	46	09.80	0.3		1.0s	18.90nm				
N	14s	1.20um					BKS	88.72	52 eP	46	12.90	3.3X		i		52	16.60		
		pP	43	34.00	44km			0.9s	41.00nm		5.8mb		MEM	120.60	334	PKPc	52	08.70	1.0
		S	51	30.00					e	56	39.00		BLA	120.99	45	PKP	52	08.20	-0.8
		sS	51	50.00					eLO	09	26.00			0.7s	9.72nm				
LSA	62.59	304	P	43	42.40	0.5			eLR	13	01.00		CVL	122.00	44	PKP	52	10.00	-0.8
		S	52	05.00			MAW	88.75	202 iPc	46	10.20	1.1	BSF	122.20	331	ePKP	52	11.00	0.0
		ScS	53	10.00				1.0s	26.00nm		5.5mb			0.8s	13.45nm				
PPN	62.76	110	eP	43	44.00	1.4	GCC	88.90	53 eP	46	11.16	0.7	HAU	122.29	331	ePKP	52	11.40	0.3
	1.0s	70.00nm			5.7mb		LBFM	89.03	49 P	46	11.80	0.5		0.7s	7.70nm				
TVO	62.97	110	eP	43	45.00	0.9	MHC	89.18	53 eP	46	12.40	0.4	Z	22s	0.70um		5.3msz		
	1.0s	115.00nm			6.0mb		MIN	89.24	50 iPc	46	12.06	-0.2	DMU	122.66	344	ePKP	52	12.00	0.5
YAK	63.49	350	iPc	43	46.40	-0.3	ARN	89.27	53 P	46	12.40	0.1	LPL	123.82	329	ePKP	52	14.90	0.4
		ePcP	44	34.00			ORV	89.31	51 iPc	46	12.79	0.4		0.7s	5.50nm				
		ePP	45	58.00			PRS	89.39	54 iPc	46	13.23	0.4	LOR	123.99	332	ePKP	52	14.70	0.2
		ePPP	47	36.00			LLA	89.74	54 eP	46	15.12	0.6		0.8s	12.10nm				
		eS	52	16.00			MAIO	89.75	306 iPd	46	15.60	0.9	Z	22s	0.60um		5.2msz		
		eScS	53	29.00					eS	56	50.00		LBF	124.15	332	ePKP	52	14.80	0.0
		ePS	53	36.00					eP	46	16.57	0.9		0.9s	10.65nm				
		eSS	56	00.00			SPA	90.13	180 iPd	46	16.10	0.3	SSF	124.31	332	ePKP	52	15.40	0.4
		eSSS	59	08.00				1.0s	87.50nm		6.0mb			0.8s	15.45nm				
TBI	63.82	116	eP	43	51.00	1.4		Z	20s	2.16um		5.6msz	SMF	124.46	332	ePKP	52	15.70	0.3
	0.9s	85.00nm			5.8mb				i	46	44.40	107kmX		1.0s	16.00nm				
PMO	63.84	107	eP	43	51.00	1.2	CMB	90.18	52 P	46	16.00	-0.5	AVF	124.58	332	ePKP	52	15.40	-0.1
	1.0s	110.00nm			5.9mb			1.1s	23.53nm		5.4mb			0.9s	8.20nm				
TPT	64.10	107	eP	43	54.00	2.5	BCH	90.44	55 P	46	18.40	0.5	LDF	124.74	336	ePKP	52	16.00	0.2
	1.0s	75.00nm			5.7mb		PNT	90.62	41 eP	46	18.00	-0.3		1.0s	16.00nm				
IRK	64.12	331	ePc	43	51.00	-0.1		0.7s	13.00nm		5.4mb		FLN	124.75	336	ePKP	52	16.00	0.2
		e	43	55.90	16kmX		FRI	90.73	53 iPc	46	19.11	0.1		0.9s	29.50nm				
		e	44	04.80			ABL	91.15	55 P	46	21.00	-0.3	Z	22s	1.17um		5.5msz		
		e	44	16.00			ISA	91.75	54 eP	46	23.00	-0.8	BGF	124.99	332	ePKP	52	16.90	0.6
		ePP	46	21.00			BONR	91.83	52 P	46	24.70	0.3		0.7s	11.00nm				
		eS	52	26.00			PAS	92.04	56 eP	46	24.00	-1.1	FRF	125.19	327	ePKP	52	17.10	0.3
		ePS	52	49.00			MWC	92.13	56 eP	46	25.00	-0.8		1.1s	29.30nm				
		e	53	25.00			NEW	92.30	42 P	46	26.40	0.3	GRR	125.20	336	ePKP	52	17.10	0.4
RUV	64.36	107	eP	43	55.00	1.9		0.9s	24.67nm		5.6mb			0.8s	16.10nm				
	1.0s	75.00nm			5.7mb		SBB	92.31	55 eP	46	26.00	-0.4	MAF	125.37	332	ePKP	52	17.70	0.6
GUN	66.60	300	P	44	07.98	0.1	TNP	92.68	52 P	46	27.00	-0.4	LRG	125.41	327	ePKP	52	17.80	0.6
	0.9s	371.00nm			6.5mb		RVR	92.70	56 eP	46	28.00	-0.2		1.0s	36.00nm				
PKI	66.93	300	P	44	09.68	-0.3	YKA												

LMR 125.41 327 ePKP 52 17.30 0.0
 TCF 125.48 332 ePKP 52 17.60 0.2
 0.8s 9.40nm
 LPF 125.56 336 ePKP 52 18.00 0.6
 0.9s 39.30nm
 LSF 125.82 333 ePKP 52 18.20 0.2
 MFF 126.30 334 ePKP 52 19.50 0.6
 0.9s 9.85nm
 LPO 127.16 332 ePKP 52 21.30 0.7
 1.0s 14.00nm
 NNA 132.73 106 ePKP 52 20.00 -12.1X
 1.1s 17.72nm
 TOL 133.33 332 ePKP 52 32.50 0.5
 ePP 55 10.00
 iPKS 55 55.00
 ePS 04 50.20
 eSS 12 40.00
 SDV 139.25 76 ePKP 52 35.90 -8.7X
 LPB 139.71 116 PKP 52 46.80 1.2
 ZOBO 139.78 115 PKPc 52 39.20 -6.7X
 1.0s 37.50nm
 SKS 58 20.00
 LR 39 08.00
 TOV 139.89 75 ePKP 52 41.40 -4.2X
 CCH 141.15 118 PKP 52 30.00 -18.0X
 TIO 141.92 326 iPKP 52 44.50 -4.4X
 i 52 54.50
 BPA 144.89 59 ePKP 52 50.50 -3.6X
 PAG 145.48 61 ePKP 52 53.00 -2.2
 BBL 145.87 61 ePKP 52 55.00 -0.8
 DEG 145.90 60 ePKP 52 54.00 -1.9
 SIV 146.15 119 PKP 52 57.00 0.7
 VAO 152.31 146 ePKP 53 07.50 1.8
 e 53 14.10
 KIC 153.29 284 PKPc 53 15.44 8.2X
 0.9s 36.50nm
 TIC 153.49 285 PKPc 53 15.70 8.2X
 LIC 153.60 284 PKPc 53 15.92 8.3X
 0.9s 30.50nm
 Z 21s 0.73um 5.5msz
 BMA 154.04 151 ePKP 53 09.00 1.7
 BAO 157.01 133 ePKPc 53 13.50 1.2
 S.D. = 0.9 on 204 of 225 obs.

JUN 18, 1991 12h 43m 32.01±0.23s
 1.290 N ± 4.1km 122.904 E ± 5.7km
 DEPTH = 37.8km (3 depth phases)
 4.8mb (13 obs.) 4.5msz (4 obs.)
 MINAHASSA PENINSULA (265)

MNI 1.94 85 iPd 44 02.50 -0.7
 iS 44 18.50
 TSM 5.64 301 iPd 44 55.00 -0.6
 0.2s 86.50nm 5.9mb X
 MKS 7.32 208 iPC 45 23.00 3.8X
 KKM 8.18 305 ePc 45 31.50 0.2
 BAG 15.20 351 eP 47 04.30 -1.6
 MTN 16.24 150 eP 47 19.00 -0.2
 KNA 17.89 161 iPC 47 41.20 1.4
 0.8s 54.00nm 4.7mb
 KGM 19.59 272 eP 48 01.00 0.9
 OIZ 21.79 325 eP 48 23.00 0.3
 N 15s 1.30um
 eS 52 19.00
 IPM 22.09 279 ePd 48 31.90 6.1X
 SNG 22.97 285 eP 48 35.10 0.7
 WB2 23.90 153 iPd 48 43.00 -0.5
 0.7s 104.50nm 5.5mb
 eS 53 17.10
 NANU 24.77 196 eP 48 51.00 -0.8
 PMG 26.39 114 eP 49 06.00 -1.0
 WAB 27.55 173 eP 49 17.00 -0.5
 0.6s 13.00nm 4.8mb
 CHG 29.24 308 eP 49 52.00 19.1X
 SSE 29.69 357 eP 49 37.00 0.3
 Z 18s 0.90um 4.4msz
 E 14s 0.40um
 S 54 24.00
 WHN 30.20 345 eP 49 42.50 1.2
 Z 16s 0.70um 4.4mszX
 E 10s 0.30um
 pP 49 54.00 43km
 KMI 30.67 322 eP 49 46.50 0.8
 Z 16s 0.40um 4.2mszX
 MRWA 31.05 192 iPd 49 47.20 -1.5
 BAL 32.26 190 eP 49 57.50 -1.9

FORR 32.34 172 eP 49 58.00 -2.0
 KLB 33.06 188 eP 50 04.60 -1.7
 NWA0 34.45 188 eP 50 17.30 -1.0
 CD2 34.60 330 P 50 19.50 -0.2
 S 55 47.00
 XAN 35.11 340 P 50 23.50 -0.5
 N 16s 1.00um
 S 55 54.00
 TIA 35.16 352 eP 50 23.80 -0.5
 RMO 37.21 140 eP 50 42.00 0.2
 STK 37.45 153 iPC 50 43.60 -0.1
 0.9s 9.00nm 4.7mb
 TIY 37.51 346 eP 50 43.50 -0.7
 Z 20s 1.10um 4.7msz
 N 20s 1.59um
 S 56 35.00
 sS 56 48.00
 MAT 37.83 20 eP 50 44.00 -2.9
 1.4s 25.58nm 4.9mb
 eS 56 48.00
 ADE 38.99 159 iPC 50 57.40 0.8
 0.9s 146.22nm 5.8mb
 BJI 39.05 352 eP 50 57.00 0.0
 1.0s 13.00nm 4.7mb
 Z 22s 0.61um 4.4msz
 eS 56 56.00
 CMS 39.19 148 eP 50 59.00 0.7
 YAMJ 39.94 21 P 51 04.20 -0.2
 SNY 40.36 1 eP 51 07.60 -0.2
 1.6s 40.00nm 4.9mb
 BRS 40.48 137 iPC 51 09.00 -0.1
 HHC 40.70 347 eP 51 11.60 0.8
 1.2s 13.00nm 4.6mb
 Z 16s 0.80um 4.7mszX
 BTO 40.84 345 eP 51 11.80 -0.1
 OFUJ 41.34 22 P 51 16.00 0.1
 COO 42.02 141 e(P) 51 21.00 -0.7
 BFD 42.39 157 eP 51 24.00 -0.5
 i 51 35.20 40km
 BWA 42.84 148 iPC 51 30.60 2.3
 GTA 43.40 334 iPC 51 34.20 1.3
 0.8s 20.00nm 4.9mb
 Z 20s 4.07um 5.3msz
 pP 51 39.40 17kmX
 sP 51 44.00
 CAN 43.83 149 eP 51 37.60 1.2
 TOO 43.96 154 iPd 51 38.90 1.6
 GUN 44.21 310 P 51 40.32 0.4
 PKI 44.40 309 P 51 41.74 0.2
 KKN 44.61 310 P 51 42.08 -0.9
 DMN 44.66 309 P 51 44.00 0.6
 HOJ 44.82 21 eP 51 56.60 12.5X
 GKN 45.21 309 P 51 47.78 0.0
 KUSJ 45.96 22 eP 52 04.70 11.5X
 KOD 46.02 283 eP 51 58.50 4.1X
 ASAJ 46.11 20 eP 51 54.10 -0.3
 HYB 46.43 293 eP 52 08.00 10.6X
 GBA 46.61 287 P 51 57.90 -0.8
 0.8s 3.90nm 4.4mb
 DZM 48.40 121 iPd 52 13.90 1.0
 WMO 52.65 328 eP 52 45.10 0.2
 pP 52 51.50 21kmX
 IRK 53.14 346 eP 52 51.00 2.8X
 YAK 60.79 4 eP 53 40.40 -1.9
 e 00 11.00
 IR4 74.59 306 eP 55 16.00 6.4X
 IR1 74.79 306 eP 55 17.00 6.3X
 IR7 74.90 307 eP 55 17.00 5.7X
 MAW 80.17 200 eP 55 39.00 0.0
 1.0s 16.00nm 5.0mb
 SBA 82.48 171 iP 55 53.10 1.5
 IMA 86.15 24 eP 56 12.50 2.0
 OBN 86.83 325 eP 56 15.00 1.3
 GLH 86.99 303 eP 56 26.30 11.2X
 ATZ 87.32 303 eP 56 27.50 10.8X
 MBH 87.65 300 eP 56 29.10 10.7X
 FBA 88.54 25 (P) 56 23.00 1.1
 MTD 91.63 253 iPC 56 38.00 0.7
 i 57 18.80 161kmX
 i 57 24.00
 KRI 93.52 253 iPC 56 55.00 9.0X
 INK 93.81 21 eP 56 46.00 -0.2
 BUL 94.47 250 iPd 56 49.40 -0.9
 0.9s 9.24nm 5.2mb
 iPC 56 59.30 31km
 YKA 103.27 24 ePd iF57 38.30 9.4X
 MDZ 146.69 162 e(PKP)03 12.70 2.3

S.D. = 1.1 on 62 of 78 obs.
 & JUN 18, 1991 13h 50m 05.49s
 63.250 N 150.517 W
 DEPTH = 132.5km
 CENTRAL ALASKA (1)
 <AEIC>
 TRF 0.23 27 iP 50 23.83 1.4
 eS 50 37.32
 HUR 0.48 124 eP 50 24.50 -0.5
 S 50 39.42
 RND 0.77 77 iP 50 26.54 -0.5
 eS 50 42.25
 CUT 0.86 172 iP 50 27.28 -0.3
 eS 50 44.37
 MCK 0.86 55 eP 50 27.26 -0.4
 BWN 1.04 26 eP 50 28.23 -1.0
 SKT 1.36 201 eP 50 31.92 -0.6
 eS 50 52.63
 WRH 1.63 40 eP 50 34.59 -1.0
 PWA 1.63 169 eP 50 35.41 -0.2
 GHO 1.66 153 iP 50 35.57 -0.4
 SML 1.77 144 iP 50 36.29 -1.0
 PLRM 1.78 158 eP 50 36.37 -1.0
 eS 51 00.79
 SUA 1.80 183 eP 50 37.53 -0.2
 CCB 1.84 39 eP 50 36.80 -1.3
 MDM 1.99 29 iP 50 38.66 -1.2
 NCG 2.01 203 eP 50 39.89 -0.3
 PMS 2.06 167 eP 50 40.30 -0.5
 CGLM 2.07 200 eP 50 41.74 0.8
 KNK 2.08 152 eP 50 40.43 -0.6
 SPU 2.20 200 eP 50 42.94 0.4
 CKL 2.23 203 eP 50 43.32 0.3
 PAX 2.31 95 eP 50 43.33 -0.7
 SDG 2.39 105 eP 50 44.36 -0.6
 SLKM 2.76 177 eP 50 48.84 -0.8
 KLU 2.77 127 eP 50 48.41 -1.5
 RDT 2.83 199 eP 50 51.26 0.6
 GLI 2.87 144 eP 50 49.54 -1.6
 VLZ 2.89 135 eP 50 49.28 -2.1
 28 obs. associated

% JUN 18, 1991 14h 33m 15.46±0.67s
 16.294 N ± 6.1km 61.383 W ± 5.5km
 DEPTH = 10.0km (geophysicist)
 LEEWARD ISLANDS (92)
 ML 1.9 (FDF).

SEG 0.16 313 ePd 33 19.82 0.7
 S 33 22.50
 SFG 0.18 103 eP 33 19.85 0.3
 S 33 23.00
 DEG 0.31 86 ePc 33 21.70 -0.3
 S 33 26.00
 MGG 0.38 170 eP 33 23.30 0.1
 PAG 0.39 227 eP 33 23.20 -0.2
 S 33 29.00
 BPA 0.88 329 eP 33 31.70 -0.6
 S.D. = 0.6 on 6 of 6 obs.

JUN 18, 1991 14h 38m 21.56±0.35s
 39.247 N ± 3.1km 29.431 E ± 3.5km
 DEPTH = 10.0km (geophysicist)
 3.6mb (1 obs.)
 TURKEY (366)
 MD 3.9 (ISK).

ALT 0.56 110 iPn 38 32.00 -1.0
 GPA 1.24 33 iPn 38 45.30 0.7
 EYL 1.43 23 iPn 38 48.00 0.3
 HRT 1.58 7 iPn 38 50.50 0.8
 BNT 1.61 314 iPn 38 51.00 0.9
 EDC 1.63 313 iPn 38 51.50 1.1
 ISK 1.84 351 ePn 38 54.30 0.9
 ITU 1.88 350 ePn 38 57.00 3.0X
 iSg 39 23.00
 IZM 1.89 244 ePn 38 55.00 0.7
 CIN 1.95 213 ePn 38 54.00 -1.1
 BCK 2.00 153 iPn 38 56.40 0.5
 KGT 2.03 307 iPn 38 57.20 1.0
 CTT 2.05 338 iPn 38 56.50 0.1
 MFT 2.26 314 iPn 38 59.50 -0.1
 YER 2.30 204 iPn 39 00.40 0.3
 EZN 2.47 285 iPn 39 03.20 0.7
 ELL 2.52 171 iPn 39 04.20 0.8

ALN	3.08	303	eP	39 11.40	0.3		0.6s	60.00nm	5.8mb		N 11s	0.20um	
JMB	3.87	327	iPg	39 23.00	0.6			eS	43 23.50		E 11s	0.30um	
			eS	40 29.00		WMO	11.99	64 Pd	41 29.00	-2.6		eP	46 16.50 47kmX
KDZ	3.89	309	iP	39 23.00	0.3	Z	11s	1.20um			SSE	40.00 87 Pc	46 13.00 1.2
			eS	40 08.00				eS	43 45.00			1.0s 17.00nm	4.9mb
KAS	3.94	56	eP	39 35.50	12.1X	GKN	15.08	136 P	42 07.48	-4.9X		pP	46 20.70 26kmX
DIM	4.08	315	eP	39 25.00	-0.3		0.5s	84.00nm	5.2mb		ZST	40.31 301 eP	46 15.10 1.0
OUR	4.34	286	iPd	39 28.66	-0.3	KKN	15.60	134 P	42 13.88	-5.2X	KSP	40.48 306 eP	46 15.50 0.0
RZN	4.34	306	iPg	39 29.00	-0.3		0.6s	129.00nm	5.3mb			e	47 48.00
			eSg	40 22.00		DMN	15.65	135 P	42 14.06	-4.8X	SNG	40.73 135 eP	46 18.60 0.7
PAIG	4.50	281	ePc	39 31.14	-0.1		0.5s	94.00nm	5.2mb		YAK	40.78 37 iPc	46 16.10 -1.7
PLD	4.59	310	iPd	39 32.00	-0.6	PKI	15.85	135 P	42 17.10	-5.2X		eS	52 39.00
SRS	4.85	295	iPd	39 35.94	-0.3		0.6s	230.00nm	5.5mb		HFS	41.66 320 eP	46 24.50 -0.5
			eS	40 55.35		GUN	15.85	133 P	42 17.24	-5.1X		0.5s 40.20nm	5.4mb
SOH	4.92	291	ePc	39 36.96	-0.4		0.5s	58.00nm	5.0mb		Z	16s 0.26um	4.2MszX
MMB	4.94	300	iPd	39 37.00	-0.6	IR4	17.88	263 ePc	42 48.50	1.1		LR	02 57.00
			eS	41 00.00		IR7	17.95	265 ePc	42 48.00	-0.3	PRU	41.70 304 eP	46 26.00 0.5
PVL	5.03	323	iPc	39 39.00	0.3	LSA	17.97	117 P	42 48.00	-0.9		e	47 46.00
PGB	5.18	311	iPg	39 40.00	-1.0	IR1	17.98	264 eP	42 49.00	0.3	VBV	42.06 298 eP	46 29.30 0.8
			eS	40 48.00		IR5	18.13	263 eP	42 51.00	0.5	LJU	42.43 299 e(P)	46 32.50 0.9
KNT	5.35	293	ePc	39 43.44	0.0	TAB	20.64	275 eP	43 19.00	0.7	KHC	42.46 303 iPc	46 32.00 0.2
			eS	41 09.32		GTA	20.87	81 iPc	43 21.00	0.4		1.0s 7.00nm	4.4mb
LIT	5.42	281	ePd	39 44.12	-0.3		1.0s	130.00nm	5.2mb			e	46 35.00
KKB	5.50	300	eP	39 37.00	-8.5X	Z	14s	0.80um	4.2MszX		CLL	42.48 307 iPc	-0.4
			eS	41 16.00		E	10s	0.60um				0.9s 10.00nm	4.6mb
VAY	5.64	294	eP	39 47.80	0.3	POO	20.87	177 iPc	43 20.70	0.1	VOY	42.87 299 eP	46 35.10 -0.2
GRG	5.65	290	ePd	39 48.48	0.8			iS	51 20.00		MMN	43.06 289 P	46 39.00 2.3
VTS	5.78	307	eP	39 49.00	-0.5	KER	21.11	264 eP	43 23.00	-0.1	NAO	43.09 321 P	46 35.40 -1.4
			eS	40 55.00		SHL	21.20	125 iP	43 22.20	-1.8		0.7s 7.20nm	4.5mb
FNA	6.37	286	ePd	39 57.92	0.1	HYB	22.53	165 eP	43 37.50	0.3	IPM	43.12 136 ePc	46 44.40 7.0X
SKO	6.66	297	ePn	40 10.50	8.6X		1.2s	75.70nm	5.0mb			0.8s 30.20nm	5.1mb
MLR	6.75	339	eP	40 03.00	-0.2	LZH	24.73	88 eP	44 00.10	1.5	CZI	43.17 289 P	46 38.40 0.8
CMP	6.84	333	ePc	40 03.00	-1.4		1.2s	42.00nm	4.8mb		MGR	43.29 290 Pd	46 39.30 0.7
VRI	6.91	344	ePc	40 05.00	-0.4	Z	10s	0.53um	4.3MszX		SGO	43.34 291 P	46 39.90 0.9
NAO	24.51	338	P	43 39.40	-2.4	N	12s	0.51um			MOX	43.45 306 ePd	46 40.00 0.2
	0.8s			1.30nm	3.6mb			pP	44 07.50	26kmX		1.3s 13.00nm	4.5mb
S.D. = 0.8 on 39 of 43 obs.								sP	44 10.00		GRF	43.87 305 iPc	46 44.20 1.0
? JUN 18, 1991 14h 40m 28.69± 5.41s						IRK	25.21	49 eP	44 03.00	0.3	Z	1.3s 21.00nm	4.7mb
43.921 N ± 38.6km 7.609 E ± 8.8km								e	44 06.80			20s 0.10um	3.7Msz
DEPTH = 10.0km (geophysicist)						GBA	26.08	170 Pc	44 10.00	-1.0	ATN	44.02 287 Pd	46 44.50 0.0
NEAR SOUTH COAST OF FRANCE (379)							0.8s	18.60nm	4.7mb		WTTA	44.11 301 iPd	46 45.10 -0.3
ML 2.1 (GEN).						CD2	26.63	99 P	44 17.80	1.7		0.6s 9.70nm	4.7mb
							1.0s	24.00nm	4.7mb			i	46 53.10
ENR	0.34	336	P	40 35.84	0.2	BTO	28.42	76 eP	44 32.00	-0.2		i	48 28.00
			S	40 41.38		N	10s	0.40um				i	48 33.40
STV	0.38	328	P	40 36.65	0.1	E	13s	0.60um			SFI	44.81 296 P	46 51.90 1.1
			S	40 42.51		OBN	28.69	315 eP	44 33.00	-1.4	PGD	44.91 296 P	46 53.40 1.5
ROB	0.42	27	P	40 37.27	0.0		1.1s	*****nm	8.0mb X		BOB	46.22 298 P	47 03.00 0.9
			S	40 43.42		Z	14s	0.70um	4.4MszX		VAI	46.37 300 P	47 02.10 -1.0
PZZ	0.69	328	P	40 42.40	0.0			e	44 53.00		KGM	46.50 136 eP	47 05.50 1.1
			S	40 52.96				e	45 20.00		CDF	46.69 304 eP	47 05.30 -0.4
PCP	0.92	47	P	40 46.29	0.1			e	45 37.00			0.8s 13.45nm	4.9mb
			S	40 58.61				e	45 56.00		BSF	47.15 303 eP	47 08.90 -0.5
BHB	0.95	345	P	40 46.61	-0.3			e	49 46.00			0.7s 9.90nm	4.9mb
			S	40 59.53				e	52 40.00		HAU	47.39 303 eP	47 10.70 -0.5
S.D. = 0.2 on 6 of 6 obs.						XAN	29.34	89 P	44 40.00	-0.6		0.6s 7.20nm	4.8mb
						KOD	29.40	171 eP	44 39.80	-1.7	Z	20s 0.10um	3.8Msz
% JUN 18, 1991 15h 33m 01.27± 1.02s						HHC	29.53	75 eP	44 41.80	-0.5	LPG	47.83 300 eP	47 15.30 0.2
41.135 N ± 13.1km 28.498 E ± 5.4km						KAS	29.59	286 eP	44 43.50	0.8		0.7s 17.65nm	5.2mb
DEPTH = 10.0km (geophysicist)						CHG	30.57	125 eP	44 54.00	2.5	LPL	47.84 300 eP	47 15.30 0.3
TURKEY (366)						TIY	30.89	80 eP	44 53.50	-0.7		0.5s 14.60nm	5.2mb
MD 2.7 (ISK).						Z	15s	0.47um	4.3MszX		RSL	47.86 300 P	47 14.79 -0.3
						E	15s	0.54um			SBF	47.87 298 eP	47 15.20 0.1
CTT	0.05	283	iPg	33 03.30	-0.2	GYA	31.07	104 P	44 57.00	1.0		0.8s 26.85nm	5.3mb
			eSg	33 05.10		BJI	33.14	75 eP	45 14.00	0.3	BNI	48.02 299 P	47 16.10 -0.2
BNT	0.89	210	ePg	33 18.00	-0.4	Z	16s	0.58um	4.4MszX		FRF	48.51 297 eP	47 19.60 -0.3
HRT	0.94	109	iPn	33 19.00	-0.2			e	45 22.50	0.7		0.8s 21.50nm	5.2mb
MFT	0.98	250	ePn	33 20.00	0.0	CVO	34.46	296 eP	45 27.50	2.3	LRG	48.74 297 eP	47 21.00 -0.7
KGT	1.14	233	ePn	33 23.00	0.5	MLR	34.66	296 eP	45 29.00	2.0	LOR	49.21 303 eP	47 24.20 -1.1
EYL	1.38	114	ePn	33 27.00	0.3	WHN	34.95	92 eP	45 31.20	1.7		0.7s 7.70nm	4.8mb
S.D. = 0.4 on 6 of 6 obs.						PVL	35.44	292 iPd	45 35.00	1.5	Z	21s 0.08um	3.7Msz
						RZN	36.19	289 eP	45 40.00	-0.1	LBF	49.22 303 eP	47 24.30 -1.1
JUN 18, 1991 15h 38m 41.19± 1.00s						NUR	36.31	322 iP	45 40.00	-0.6		0.6s 5.40nm	4.8mb
39.457 N ± 4.7km 72.765 E ± 2.8km							0.4s	12.80nm	5.2mb		SMF	49.42 302 eP	47 26.10 -0.8
DEPTH = 58.4 ± 9.9 km						VTS	37.09	291 iP	45 48.00	0.4		0.5s 5.10nm	4.8mb
5.0mb (55 obs.)						KKB	37.34	290 eP	45 50.00	0.5	SSF	49.51 303 eP	47 26.50 -1.1
KIRGHIZ SSR (716)						SOD	37.70	333 iP	45 51.60	-0.6		0.6s 5.40nm	4.8mb
Felt (V) at Sufi-Kurgan, (IV) at						NJ2	37.79	87 Pd	45 55.50	2.1	AVF	49.69 302 eP	47 28.30 -0.6
Osh and (III) at Fergana and								PcP	48 11.00			0.6s 17.15nm	5.3mb
Namangan.						VAY	37.85	289 eP	45 54.00	0.3	BGF	50.09 302 eP	47 31.20 -0.9
						SNY	38.18	70 eP	45 55.60	-0.9		0.6s 9.00nm	5.0mb
KSN	2.49	89	Pn	39 22.70	2.5	KRA	38.24	304 eP	45 56.30	-0.6	MAF	50.39 302 eP	47 34.00 -0.3
MAIO	10.95	257	iPd	41 12.00	-5.8X	SKO	38.51	291 eP	45 59.00	-0.3		0.6s 14.90nm	5.2mb
	0.6s			16.83nm	5.3mb	KEY	38.61	336 eP	45 58.00	-1.8	TCF	50.60 302 eP	47 35.40 -0.5
			eS	43 05.00		CN2	39.07	66 eP	46 03.80	-0.2		0.8s 10.75nm	4.9mb
NDI	11.36	160	iPc	41 20.30	-2.9	Z	16s	1.20um	4.8MszX		MAT	50.63 71 eP	47 35.00 -1.3

LSF 0.8s 14.93nm 5.1mb
 51.06 302 eP 47 38.50 -0.9
 0.6s 9.00nm 5.0mb
 CAF 51.15 301 eP 47 40.30 0.1
 0.7s 7.15nm 4.8mb
 EKA 51.17 315 P 47 40.00 -0.1
 0.8s 5.10nm 4.6mb
 YAMJ 51.30 69 P 47 41.00 -0.3
 LDF 51.35 306 eP 47 40.50 -1.1
 0.9s 21.30nm 5.2mb
 RJF 51.39 301 eP 47 41.90 0.0
 0.7s 11.00nm 5.0mb
 Z 20s 0.05um 3.5msz
 LPO 51.82 301 eP 47 44.90 -0.3
 0.6s 7.20nm 4.9mb
 GRR 51.88 306 eP 47 44.10 -1.5
 MFF 52.03 303 eP 47 44.90 -1.8
 0.8s 10.75nm 4.9mb
 LFF 52.03 301 eP 47 46.60 -0.1
 0.6s 16.25nm 5.2mb
 OFUJ 52.10 67 eP 47 46.30 -1.0
 DAG 52.33 343 iPc 47 50.00 1.4
 0.5s 21.83nm 5.4mb
 EPF 53.00 299 eP 47 53.90 -0.2
 0.5s 4.00nm 4.7mb
 MBC 64.32 3 ePc 49 11.90 -0.3
 1.0s 134.00nm 5.9mb
 MTD 67.88 223 iPc 49 35.20 -0.5
 IMA 68.88 18 ePc 49 41.00 -0.4
 KRI 68.97 225 iPd 49 42.30 -0.2
 INK 70.76 10 eP 49 52.50 -0.1
 CIR 71.41 220 iPd 50 01.00 3.0X
 BUL 72.23 223 iPd 50 02.00 -0.2
 0.8s 16.04nm 5.0mb
 FRB 72.65 343 eP 50 08.00 4.1X
 PWA 73.48 20 eP 50 08.30 -0.5
 PMR 73.72 19 eP 50 10.10 -0.1
 TOA 74.02 18 eP 50 13.10 1.1
 KDC 75.99 23 eP 50 24.80 1.5
 KIC 76.34 267 P 50 25.90 -0.1
 TIC 76.38 267 P 50 26.00 -0.2
 LIC 76.65 267 P 50 27.50 -0.2
 SLR 77.00 220 eP 50 28.00 -1.5
 SEK 79.47 219 iPd 50 43.30 0.3
 0.7s 13.70nm 5.0mb
 WRA 82.41 123 P 50 58.00 -0.4
 0.7s 12.90nm 5.0mb
 WB2 82.42 123 iPd 50 58.70 0.2
 0.9s 14.10nm 5.0mb
 FFC 86.08 357 eP 51 17.00 0.5
 0.9s 27.00nm 5.4mb
 SES 90.46 2 ePc 51 37.30 -0.2
 PNT 90.93 8 eP 51 41.00 1.3
 0.6s 8.00nm 5.3mb
 MDZ 148.50 270 i(PKP) 58 24.30 5.2X
 S.D. = 1.0 on 123 of 133 obs.
 & JUN 18, 1991 17h 29m 27.89s
 62.458 N 149.336 W
 DEPTH = 57.2km
 CENTRAL ALASKA (1)
 <AEIC>
 CUT 0.44 263 ePd 29 38.59 -0.5
 HUR 0.54 345 iPd 29 39.63 -0.6
 0.5s 29 48.48
 GH0 0.72 164 iPc 29 41.78 -0.6
 0.5s 29 52.78
 SML 0.80 144 iPc 29 42.62 -0.8
 PWA 0.85 198 iPc 29 43.53 -0.4
 0.5s 29 55.47
 PLRM 0.87 174 iPc 29 43.53 -0.7
 0.5s 29 56.38
 RND 0.98 13 iPd 29 44.92 -0.8
 0.5s 29 57.93
 TRF 1.09 337 iPc 29 46.66 -0.7
 0.5s 30 00.26
 KNK 1.13 158 iPc 29 47.40 -0.4
 0.5s 30 02.59
 SCM 1.13 123 ePc 29 46.94 -0.9
 0.5s 30 02.63
 SKT 1.13 246 iPd 29 47.10 -0.7
 0.5s 30 02.52
 SUA 1.20 214 ePd 29 48.53 -0.3
 PMS 1.22 185 eP 29 48.58 -0.5
 MCK 1.29 8 eP 29 49.44 -0.6
 0.5s 30 05.17

TOA 1.52 102 iPc 29 53.40 0.2
 NCG 1.70 233 eP 29 55.60 -0.2
 CGLM 1.71 229 eP 29 55.73 -0.2
 BWN 1.72 358 ePc 29 55.64 -0.3
 SDG 1.76 86 ePd 29 56.62 0.1
 CRP 1.79 229 eP 29 57.48 0.4
 SPU 1.82 226 eP 29 57.13 -0.2
 PAX 1.85 72 eP 29 57.74 -0.2
 0.5s 30 20.29
 TZL 1.88 101 eP 29 57.98 -0.1
 BGL 1.88 232 eP 29 58.45 0.2
 KLU 1.88 119 ePc 29 57.50 -0.8
 CKL 1.91 230 eP 29 58.90 0.3
 GLI 1.91 145 eP 29 57.61 -1.0
 VZW 1.93 135 ePc 29 57.86 -1.0
 VLZ 1.95 132 ePc 29 57.89 -1.2
 0.5s 30 22.10
 SLKM 2.00 193 eP 30 00.06 0.1
 WRH 2.10 15 ePc 29 59.74 -1.5
 KNIM 2.25 159 eP 30 02.77 -0.6
 CCB 2.30 17 ePc 30 02.40 -1.7
 SEW 2.36 181 eP 30 03.86 -1.1
 RDS 2.44 12 ePc 30 04.43 -1.6
 0.5s 30 31.96
 LTI 2.53 163 eP 30 05.62 -1.7
 FBA 2.55 15 iPc 30 06.06 -1.5
 0.5s 30 34.80
 RDN 2.55 222 eP 30 08.77 1.1
 REF 2.55 221 eP 30 08.41 0.6
 MDM 2.56 11 iPc 30 06.26 -1.5
 RDW 2.59 222 eP 30 09.36 1.0
 GLM 2.68 18 ePc 30 07.87 -1.7
 GLB 2.80 109 eP 30 09.80 -1.5
 CNPM 3.08 198 eP 30 13.93 -1.3
 TGL 3.55 116 eP 30 20.91 -0.9
 BALM 3.62 110 eP 30 21.04 -1.8
 46 obs. associated
 & JUN 18, 1991 17h 57m 09.70s
 50.575 N 114.372 W
 DEPTH = 5.0km (geophysicist)
 ALBERTA PROVINCE, CANADA (24)
 <PGC>. ML 3.4 (PGC), 3.5 (GS).
 Felt (IV) in the area five to
 ten kilometers west of Turner
 Valley and (III) at Turner
 Valley.
 SES 2.13 94 P 57 44.00 -2.5
 0.4s 63.00nm
 SLEB 2.46 285 Pn 57 51.00 -0.3
 0.5s 57 53.50
 Sg 58 25.70
 NEW 2.93 219 ePn 57 56.50 -1.3
 0.5s 58 04.40
 ePn 58 26.30
 eSg 58 40.50
 eSg 58 40.50
 MNB 2.99 304 Pn 57 58.30 -0.6
 0.5s 58 43.50
 Sg 58 09.00
 PNT 3.61 252 P 58 09.00 1.5
 0.5s 18.00nm
 DPW 3.69 224 (Pn) 58 08.70 0.0
 0.5s 58 17.00
 ePg 58 17.00
 NLW 4.63 240 P 58 34.00 11.9
 BUT 4.72 165 e(Pg) 58 25.00 1.6
 0.5s 58 37.30
 eSg 58 37.30
 LRM 4.93 164 ePn 58 25.10 -1.3
 HBMT 4.93 165 ePn 58 24.40 -2.1
 MBW 5.21 253 P 58 45.00 14.8
 LNOR 5.38 211 P 58 31.00 -1.7
 BGMT 5.57 163 ePn 58 33.80 -1.7
 RMW 5.80 240 P 58 57.00 18.5
 MCMT 5.84 169 ePn 58 36.90 -2.4
 FMW 6.05 236 P 58 43.00 0.9
 BW06 8.47 155 e(P) 59 18.00 1.8
 FFC 8.60 56 eP 59 12.00 -5.7
 0.5s 4.00nm 5.0mb X
 18 obs. associated
 JUN 18, 1991 17h 58m 18.05 ± 0.19s
 38.165 N ± 4.0km 26.220 W ± 2.4km
 DEPTH = 10.0km (geophysicist)
 4.9mb (53 obs.) 4.3msz (9 obs.)
 AZORES ISLANDS (405)
 Felt (V) at Mosteiros; (IV) at
 Candelaria, Fenaís da Ajuda,
 Feteiras, Ginetes, João Bom,

Pilar and Varzea; (III) at Angra
 da Heroísmo, Relva and Remedios;
 (II) at Capelas, Fenaís da Luz
 and Pico da Pedra.
 PDA 0.61 133 iPc 58 30.50 0.2
 ADH 0.94 302 iP 58 36.10 0.2
 0.5s 58 48.70
 ROSA 1.69 290 iPd 58 47.30 -0.4
 0.5s 59 07.50
 PICO 1.77 282 iPc 58 47.90 -1.0
 0.5s 59 08.60
 HOR 1.93 282 iPc 58 49.80 -1.4
 0.5s 59 11.90
 TBT 11.73 141 iP 01 02.40 -6.0X
 CHIE 12.50 144 iP 01 13.00 -5.8X
 GGC 13.37 135 iP 01 26.00 -4.4X
 PTO 13.90 72 eP 01 31.00 -6.2X
 EZAM 13.98 68 eP 01 32.60 -5.8X
 0.5s 06 55.70
 eTT 15 05.00
 CFTV 14.04 130 iP 01 36.00 -3.3X
 STS 14.24 65 eP 01 36.00 -5.7X
 0.5s 15 11.00
 eTT 15 11.00
 ERUA 15.16 68 eP 01 51.30 -2.5
 0.5s 08 05.50
 eTT 15 30.30
 EMON 15.24 64 eP 01 48.00 -6.8X
 0.5s 08 04.00
 eTT 15 37.50
 EVAL 15.39 86 eP 01 54.00 -2.9
 0.5s 15 37.50
 eTT 15 37.50
 EPLA 15.75 77 eP 01 48.00 -13.0X
 0.5s 15 40.00
 eTT 15 40.00
 AVE 16.02 102 iP 02 09.50 4.5X
 0.5s 02 28.00
 i 02 28.00
 EHOR 16.54 85 eP 02 08.60 -3.0
 0.5s 16 30.50
 eTT 16 30.50
 EJIF 16.60 90 eP 02 17.50 5.1X
 TIO 17.19 109 iP 02 19.40 -0.6
 0.5s 02 29.40
 i 02 29.40
 GUD 17.23 75 eP 02 23.00 2.6X
 0.5s 10 43.00
 eTT 16 23.00
 TOL 17.31 77 iPc 02 20.00 -1.3
 1.2s 46.88nm 4.5mb
 0.5s 05 30.00
 eS 05 30.00
 MAL 17.38 88 iPd 02 25.00 2.9X
 0.5s 06 02.00
 iS 06 02.00
 IFR 17.71 99 iP 02 22.00 -4.5X
 0.5s 02 28.00
 i 02 28.00
 VAL 17.75 34 P 02 32.00 5.4X
 ECOG 17.94 86 eP 02 29.00 -0.3
 EGUA 18.02 87 eP 02 31.80 1.6
 EVIA 18.59 81 eP 02 41.00 3.7X
 EHUE 18.62 84 eP 02 40.00 2.4X
 ETOR 18.83 74 eP 02 41.30 1.2
 DMU 20.56 34 eP 02 59.30 0.0
 1.0s 151.00nm 5.3mb
 EPF 20.71 68 eP 03 00.30 -0.7
 1.2s 38.70nm 4.6mb
 EBR 20.76 74 (P) 03 04.00 2.6X
 LPF 20.78 54 eP 03 01.30 -0.3
 1.0s 56.80nm 4.9mb
 MFF 20.95 58 eP 03 02.50 -0.9
 0.8s 32.25nm 4.7mb
 GRR 21.01 53 eP 03 03.70 -0.3
 1.3s 101.10nm 5.0mb
 LFF 21.22 63 eP 03 05.00 -1.1
 1.2s 65.45nm 4.9mb
 FLN 21.38 52 eP 03 08.40 0.8
 1.2s 35.70nm 4.6mb
 LPO 21.50 64 eP 03 10.40 1.5
 1.2s 53.55nm 4.8mb
 LDF 21.54 53 eP 03 09.60 0.2
 1.4s 91.50nm 5.0mb
 RJF 21.82 62 eP 03 12.20 0.0
 1.2s 29.75nm 4.6mb
 Z 20s 0.47um 3.9msz
 LSF 22.00 60 eP 03 15.10 1.1
 1.2s 98.20nm 5.1mb
 CAF 22.15 63 eP 03 16.30 0.8
 1.2s 65.45nm 5.0mb
 TCF 22.47 60 eP 03 18.60 -0.1
 1.2s 86.30nm 5.1mb
 MAF 22.70 60 eP 03 21.80 0.8
 1.0s 47.00nm 4.9mb

PYM	22.93	61 P	03 24.83	1.6		1.0s	31.00nm	5.2mb	TNP	68.46	302 ePd	09 23.00	1.5	
BGF	22.96	59 eP	03 22.60	-0.8	Z	14s	1.30um	4.6MszX		1.2s	16.94nm		5.1mb	
	0.9s	49.15nm		5.0mb	E	14s	1.70um		IMA	68.51	340 eP	09 23.90	1.5	
AGO	23.06	61 P	03 25.13	0.7			e	05 15.70	22kmX	KLU	69.36	334 P	09 26.50	-1.1
EKA	23.16	35 Pc	03 26.60	1.3	FRB	35.87	329 eP	05 22.00	2.4X	MIN	70.11	306 ePc	09 23.80	-8.8X
	0.7s	15.40nm		4.7mb	OHR	35.99	70 eP	05 21.70	0.7	PMR	70.39	335 eP	09 32.20	-1.5
GRC	23.26	58 P	03 27.75	1.4		1.1s	82.00nm	5.5mb	CMB	70.59	303 eP	09 36.60	1.1	
AVF	23.34	59 eP	03 27.30	0.1	SKO	36.30	69 eP	05 19.00	-4.5X	FR1	70.71	302 eP	09 38.50	2.3X
	1.4s	78.40nm		5.1mb			e	05 26.50	25kmX	PLM	70.77	298 P	09 38.00	1.2
PLDF	23.39	61 P	03 29.40	1.7	TIC	36.80	143 P	05 27.14	-0.8	KRI	75.71	125 iPd	10 06.20	0.4
SSF	23.50	58 eP	03 29.00	0.3		1.0s	30.00nm	5.1mb	MTD	76.95	124 iPc	10 12.70	0.0	
	1.4s	91.50nm		5.1mb	LIC	37.16	143 P	05 30.30	-0.6	BUL	77.53	128 iPc	10 16.00	0.1
SMF	23.65	59 eP	03 30.50	0.4		1.0s	24.50nm	4.9mb	YAK	78.28	11 eP	10 18.20	-1.0	
	1.2s	101.15nm		5.3mb	Z	20s	0.43um	4.2Msz	WMQ	78.86	42 P	10 24.40	1.5	
LOR	23.78	58 eP	03 31.40	0.0	KIC	37.18	143 P	05 30.36	-0.7		1.0s	10.00nm	4.8mb	
	1.4s	65.35nm		5.0mb		1.0s	25.50nm	4.9mb			pP	10 30.50	19kmX	
	Z	20s	0.28um	3.7Msz	GRG	37.21	70 ePd	05 30.86	-0.3		SKS	20 32.00		
LBF	23.80	59 eP	03 32.10	0.4	VAY	37.26	69 eP	05 31.00	-0.5	IRK	80.17	28 P	10 35.80	6.1X
	1.3s	72.20nm		5.1mb	LIT	37.46	71 ePc	05 33.10	-0.2		e	13 30.20		
SNF	24.88	50 Pc	03 43.30	1.3	KNT	37.53	70 iPc	05 37.54	3.7X	SLR	81.54	132 iPd	10 36.00	-1.4
DOU	24.94	51 P	03 42.90	0.3	SOH	37.94	70 iPd	05 37.34	0.0		0.9s	25.21nm	5.3mb	
	1.0s	55.50nm		5.2mb	SRS	38.05	69 ePd	05 38.26	0.0	SEK	83.13	134 iPc	10 45.50	-0.1
UCC	25.01	S	08 09.00		MMB	38.06	69 ePc	05 40.00	1.7	GKN	87.75	56 P	11 08.80	0.0
MBO	25.06	158 eP	03 46.00	2.0	CMP	38.37	63 ePc	05 41.00	0.1	GTA	88.29	39 eP	11 11.00	-0.1
VITF	25.37	56 P	03 46.34	-0.4	PAIG	38.39	71 ePc	05 41.18	0.1			pP	11 20.00	28kmX
LPL	25.49	63 eP	03 48.50	0.3	OUR	38.52	71 ePc	05 42.22	0.1	KKN	88.31	56 P	11 11.82	0.3
	1.2s	23.80nm		4.8mb	NUR	38.66	38 iP	05 42.40	-0.7	DMN	88.32	56 P	11 11.96	0.3
LPG	25.51	63 eP	03 48.70	0.3		0.8s	10.00nm	4.6mb	PKI	88.55	56 P	11 12.52	-0.3	
	1.2s	29.75nm		4.9mb	PLD	38.66	68 eP	05 44.00	0.6	GUN	88.62	55 P	11 13.48	0.3
HAU	25.57	57 eP	03 47.50	-1.1	RZN	38.76	68 eP	05 45.00	0.6	BTO	91.98	32 eP	11 27.60	-0.7
	1.0s	20.00nm		4.8mb	MLR	38.97	62 eP	05 47.00	1.0	WRA	155.22	48 PKP	18 13.00	0.1
	Z	20s	0.17um	3.6Msz	KDZ	39.28	68 iPc	05 49.00	0.5		0.9s	1.00nm		
LOMF	25.78	58 P	03 53.14	2.5X	VRI	39.46	61 ePd	05 44.50	-5.5X		S.D. = 0.9	on 138 of 171 obs.		
BSF	25.83	57 eP	03 49.90	-1.3	ALN	39.91	69 ePd	05 54.38	0.6					
	1.0s	28.00nm		4.9mb	JMB	39.96	67 eP	05 54.00	-0.1					
DBN	25.92	47 eP	04 01.00	9.2X	MFT	40.85	69 eP	06 01.50	-0.1					
	Z	20s	2.50um	4.7Msz	SOD	41.27	28 iP	06 04.80	0.3					
					KEV	42.17	25 eP	06 11.00	-0.9					
							e	06 19.00	27kmX					
ENN	25.95	51 eP	03 56.00	4.0X	OBN	44.72	47 iPd	06 31.70	-1.1					
	0.9s	12.00nm		4.6mb		1.0s	*****nm	8.2mb X						
MEM	25.95	51 P	03 53.80	1.7		Z	19s	2.80um						
ECH	26.14	57 P	03 54.13	0.2		N	14s	0.70um						
BBS	26.25	58 P	03 56.93	1.9				e	06 38.00	21kmX				
ODF	26.25	56 P	03 53.66	-1.4				i	06 45.00					
WLS	26.30	56 P	03 54.95	-0.5				ePP	08 28.00					
FEL	26.65	58 P	03 59.49	0.7				eS	13 10.00					
WTS	26.84	48 eP	04 00.50	0.2				iSSS	16 32.00					
	1.0s	22.00nm		4.8mb	HLW	47.77	82 eP	06 57.50	0.2					
VAI	26.95	62 P	04 06.70	5.5X	ADI	49.41	76 eP	07 09.80	-0.2					
CTI	28.96	62 Pc	04 19.50	-0.2	ZNT	49.61	77 eP	07 11.80	0.3					
WTTA	29.02	59 iPd	04 19.80	-0.5	PRNI	50.40	80 eP	07 17.90	0.3					
	1.2s	24.40nm		4.9mb	FFC	52.14	315 eP	07 31.00	0.6					
		i	04 26.40	23kmX		1.1s	21.00nm	5.0mb						
GRF	29.03	54 eP	04 19.50	-0.6	MBC	54.05	343 ePc	07 44.50	0.3					
	1.0s	18.00nm		4.8mb		0.8s	24.00nm	5.3mb						
	Z	21s	1.10um	4.4Msz	TUL	54.36	291 eP	07 47.30	0.2					
MOX	29.44	53 eP	04 24.00	0.2		0.6s	5.30nm	4.7mb						
	1.0s	38.00nm		4.9mb		Z	18s	0.20um	4.2Msz					
	Z	18s	2.10um	4.8Msz				LR	25 06.00					
	N	15s	0.80um		YKA	56.27	326 eP	07 59.70	-0.9					
	E	18s	1.20um		MEO	56.91	291 e(P)	08 07.00	1.4					
		S	09 15.00		BAO	57.28	205 ePc	08 08.20	-0.2					
CLL	30.42	52 eP	04 32.00	-0.5	SES	58.78	312 eP	08 17.00	-1.5					
	2.1s	41.00nm		4.9mb	GLD	59.48	299 iPc	08 27.00	3.3X					
KHC	30.48	56 P	04 29.50	-3.6X	GOL	59.60	299 P	08 25.00	0.3					
	1.2s	5.50nm		4.3mb	INK	61.05	336 eP	08 33.00	-0.8					
	Z	14s	1.30um	4.7MszX	BW06	61.07	303 P	08 32.70	-1.9					
	N	16s	0.80um			1.2s	7.99nm	4.7mb						
	E	12s	1.00um		ANMO	62.57	294 iPd	08 45.00	0.3					
		e	04 40.00	38kmX		1.5s	17.36nm	5.0mb						
		S	09 46.00		ALO	62.57	294 eP	08 45.00	0.2					
PRU	31.20	54 eP	04 39.50	0.1		1.5s	15.97nm	5.0mb						
	Z	14s	1.40um	4.8MszX	PV09	62.76	299 P	08 47.00	0.9					
	N	12s	1.40um		BMA	62.84	199 eP	08 46.50	0.3					
	E	13s	1.30um		SIV	63.02	218 P	08 47.20	-0.4					
		eS	09 50.00		NEW	63.29	312 iPc	08 48.80	-0.3					
VBY	31.48	63 e(P)	04 41.00	-0.9		0.9s	12.06nm	5.1mb						
PTJ	31.96	62 iP	04 44.00	-2.3	DAU	63.29	302 P	08 50.00	0.4					
NAO	32.36	33 P	04 49.30	-0.2	VAO	63.89	201 (P)	08 54.00	0.8					
	1.0s	10.70nm		4.7mb	DUG	64.44	302 P	08 56.00	-0.1					
TDS	32.93	74 P	04 54.30	-0.3	MSU	64.83	300 P	09 00.20	0.6					
HFS	33.35	36 eP	04 57.50	-0.5	MAIO	65.78	62 eP	09 06.00	0.5					
	0.5s	1.80nm		4.3mb	CCH	66.76	222 P	09 13.00	0.8					
SRO	33.56	59 iP	05 05.00	5.0X	ZOBO	66.91	224 P	09 13.00	-0.5					
UZD	33.76	61 e(P)	05 06.00	4.2X		1.1s	14.50nm	5.1mb						
KRA	34.68	55 eP	05 09.20	-0.4			LR	30 28.00						

KMC 144.78 331 iPKP 56 38.00 -1.0
1.0s 3.50nm
e 56 51.20
WTS 145.09 340 ePKP 56 39.00 -0.3
0.8s 14.00nm
GRF 145.37 334 iPKPc 56 40.90 1.0
e 56 53.10
OHR 145.58 315 ePKP 56 38.50 -2.1
PTJ 145.83 325 ePKP 56 40.90 0.0
DMU 146.01 355 ePKP 56 41.80 1.0
0.8s 79.00nm
ENN 146.43 340 ePKP 56 44.00 2.4
0.8s 12.00nm
VBY 146.46 325 e(PKP) 56 44.50 2.7X
MEM 146.54 340 PKPc 56 43.90 2.2
DCN 146.59 356 ePKP 56 43.50 1.8
WTTA 147.03 331 iPKPd 56 44.90 1.9
1.3s 25.70nm
i 56 50.50
i 57 07.10
i 57 20.80
DOU 147.43 341 PKP 56 46.70 3.5X
0.9s 70.00nm
CDF 147.95 336 ePKP 56 47.80 3.5X
1.2s 29.75nm
BSF 148.62 336 ePKP 56 49.40 4.0X
1.0s 16.00nm
HAU 148.64 337 ePKP 56 49.40 4.1X
1.0s 12.00nm
Z 20s 0.05um 4.3MsZ
FLN 150.03 346 ePKP 56 52.80 5.5X
0.8s 16.10nm
Z 20s 0.08um 4.5MsZ
LDF 150.10 345 ePKP 56 52.80 5.4X
1.0s 20.00nm
LOR 150.14 339 ePKP 56 53.40 5.8X
1.0s 20.00nm
Z 20s 0.75um 5.5MsZ
LBF 150.35 339 ePKP 56 53.70 5.8X
1.0s 10.00nm
SSF 150.44 339 ePKP 56 54.10 6.1X
1.0s 22.00nm
GRR 150.47 346 ePKP 56 53.90 5.9X
1.0s 26.00nm
LPL 150.54 334 ePKP 56 54.90 6.4X
1.0s 6.00nm
LPG 150.54 334 ePKP 56 54.80 6.2X
1.1s 13.45nm
LPF 150.84 346 ePKP 56 54.90 6.3X
0.9s 26.20nm
BGF 151.10 340 ePKP 56 55.50 6.5X
1.0s 12.00nm
MAF 151.49 340 ePKP 56 56.80 7.2X
1.0s 6.00nm
TCF 151.55 340 ePKP 56 56.60 6.8X
1.2s 14.90nm
LSF 151.79 341 ePKP 56 56.80 6.7X
1.0s 12.00nm
MFF 151.95 344 ePKP 56 57.70 7.4X
0.8s 8.05nm
RJF 152.64 340 ePKP 56 59.60 8.3X
0.8s 5.35nm
Z 20s 0.08um 4.5MsZ
CAF 152.80 339 ePKP 56 59.80 8.2X
1.0s 6.00nm
LFF 153.21 341 ePKP 57 00.60 8.5X
0.8s 5.35nm
LPO 153.30 340 ePKP 57 00.50 8.3X
1.0s 12.00nm
S.D. = 1.6 on 26 of 49 obs.
? JUN 18, 1991 18h 56m 58.76 ± 1.06s
37.934 N ± 27.3km 26.394 W ± 13.7km
DEPTH = 10.0km (geophysicist)
AZORES ISLANDS (405)
PDA 0.61 108 eP 57 11.00 0.0
eS 57 18.00
ADH 0.98 318 iP 57 17.30 0.0
iS 57 29.60
PICO 1.70 290 iPd 57 28.80 0.2
iS 57 50.10
HOR 1.86 289 iPc 57 30.70 -0.2
eS 57 53.30
S.D. = 0.2 on 4 of 4 obs.
* JUN 18, 1991 19h 05m 35.15 ± 0.73s

6.016 S ± 12.7km 151.436 E ± 21.0km
DEPTH = 33.0km (normal)
4.3mb (2 obs.)
NEW BRITAIN REGION (192)
ML 4.7 (PMG).
RAB 1.95 22 iPc 06 07.00 0.4
0.5s 619.72nm
iS 06 34.00
LAT 4.45 262 eP 06 54.80 12.6X
PMG 5.42 231 eP 06 56.00 0.2
eS 08 02.00
RMO 20.52 187 iPc 10 12.50 -0.9
WB2 21.62 229 iPc 10 24.00 -0.6
0.5s 13.00nm 4.6mb
CMS 25.88 191 eP 11 06.00 0.3
STK 27.33 198 iPc 11 20.30 1.2
0.7s 2.90nm 4.0mb
INK 90.07 21 eP 18 32.00 -0.6
S.D. = 0.9 on 7 of 8 obs.
% JUN 18, 1991 19h 06m 47.64 ± 0.60s
44.250 N ± 7.9km 9.978 E ± 4.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
BDI 0.48 113 P 06 57.50 0.0
eSg 07 04.70
MME 0.52 96 Pc 06 57.70 -0.6
eSg 07 05.00
BOB 0.64 324 P 07 00.80 0.3
PII 0.66 143 Pd 07 00.40 -0.4
eSg 07 08.30
CRE 1.56 113 P 07 16.30 0.8
PGF 1.84 203 Pn 07 20.40 0.7
Sn 07 41.80
SBF 1.87 259 Pn 07 20.50 0.4
Sn 07 42.00
FRF 2.50 255 Pn 07 28.50 -0.5
Sn 07 56.90
LMR 2.67 251 Pn 07 30.80 -0.7
S.D. = 0.7 on 9 of 9 obs.
? JUN 18, 1991 19h 07m 10.80 ± 11.16s
39.901 N ± 12.1km 26.165 E ± 94.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 3.2 (ISK).
EZN 0.14 121 iPg 07 13.90 -0.2
iSg 07 19.00
KGT 1.03 57 iPn 07 30.20 -0.1
MFT 1.23 44 ePn 07 33.30 -0.4
EDC 1.38 71 ePn 07 36.30 0.3
BNT 1.42 71 iPn 07 37.00 0.3
S.D. = 0.5 on 5 of 5 obs.
* JUN 18, 1991 19h 34m 43.83 ± 1.48s
41.963 N ± 7.7km 23.043 E ± 15.4km
DEPTH = 10.0km (geophysicist)
GREECE-BULGARIA BORDER REGION (363)
KKB 0.10 163 iPg 34 47.00 0.4
Sg 34 50.00
MMB 0.63 126 ePg 34 56.00 -0.6
eSg 35 05.00
VTS 0.64 11 eP 34 57.00 0.2
S 35 05.00
KNT 0.81 188 ePc 35 00.10 0.6
iS 35 10.30
SRS 0.94 154 ePc 35 01.65 -0.1
eS 35 14.26
PGB 1.02 55 eP 35 02.00 -1.2
SOH 1.16 168 ePd 35 02.82 -2.8
eS 35 22.26
RZN 1.28 102 iPc 35 09.00 1.3
Sg 35 25.00
OUR 1.77 156 ePd 35 16.82 2.1
S.D. = 1.6 on 9 of 9 obs.
? JUN 18, 1991 20h 04m 18.10 ± 1.66s
39.184 N ± 16.5km 29.507 E ± 11.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 2.8 (ISK).
ALT 0.49 105 iPg 04 28.00 0.0

iSg 04 35.00
EYL 1.47 20 iPn 04 44.80 0.1
HRT 1.64 4 iPn 04 47.00 -0.1
KGT 2.12 307 ePn 04 54.00 0.0
S.D. = 0.1 on 4 of 4 obs.
* JUN 18, 1991 20h 17m 48.52 ± 0.63s
15.231 N ± 8.7km 120.293 E ± 8.4km
DEPTH = 10.0km (geophysicist)
4.8mb (9 obs.) 4.3MsZ (1 obs.)
LUZON, PHILIPPINE ISLANDS (249)
OVP 0.92 131 P 18 06.80 0.8
BAG 1.21 13 eP 18 09.10 -2.0
SZP 2.31 4 P 18 32.30 5.1X
CVP 2.86 31 P 18 36.70 1.6
QZH 9.79 351 eP 20 16.00 3.6X
QIZ 10.68 292 eP 20 22.80 -1.9
N 13s 0.70um
WHN 16.19 341 eP 21 44.00 6.3X
1.2s 40.00nm 4.4mb
N 14s 0.60um
KMI 19.17 304 eP 22 22.00 6.8X
2.0s 70.00nm 4.6mb
NNT 20.13 265 eP 22 27.20 1.6
CHG 20.72 283 eP 22 33.50 1.7
TIA 21.09 353 eP 22 35.60 0.2
N 15s 1.90um
XAN 21.36 333 P 22 35.00 -3.3X
N 12s 0.70um
E 10s 0.40um
S 26 28.00
CD2 21.75 319 eP 22 43.20 1.0
TIY 23.45 344 Pc 23 00.40 1.4
Z 14s 0.95um 4.4MsZ
N 20s 4.50um
BJI 24.98 352 eP 23 13.50 -0.1
1.5s 35.00nm 4.8mb
Z 18s 0.88um 4.3MsZ
N 12s 0.64um
LZH 25.44 328 eP 23 19.80 1.5
2.0s 54.00nm 4.9mb
Z 15s 0.58um 4.2MsZ
N 12s 0.40um
pP 23 27.50 27kmX
sP 23 32.00
SNY 26.65 5 eP 23 29.80 0.6
1.0s 8.00nm 4.4mb
Z 16s 0.60um 4.2MsZ
eS 28 10.00
LSA 30.43 303 P 24 05.00 1.0
GUN 34.28 297 P 24 37.10 -0.4
0.8s 40.00nm 5.4mb
PKI 34.60 297 P 24 40.34 0.0
KKN 34.76 297 P 24 41.14 -0.4
1.0s 34.00nm 5.2mb
DMN 34.87 297 P 24 42.12 -0.4
GKN 35.36 297 P 24 46.10 -0.5
0.9s 19.00nm 5.0mb
STK 51.10 157 eP 26 51.90 -1.6
1.6s 0.80nm 3.4mb X
OBN 74.06 324 eP 29 24.00 -2.3
VRI 81.67 315 ePc 30 09.50 1.0
VAY 85.76 312 eP 30 28.50 -0.9
NAO 85.99 332 P 30 28.40 -1.7
0.8s 3.50nm 4.6mb
YKA 91.52 22 eP 30 58.80 2.4X
S.D. = 1.3 on 23 of 29 obs.
* JUN 18, 1991 20h 18m 06.29 ± 0.86s
35.805 N ± 7.7km 84.559 E ± 16.9km
DEPTH = 33.0km (normal)
4.0mb (3 obs.)
TIBET (306)
GKN 7.78 179 P 19 59.16 -1.0
GUN 7.95 172 P 20 04.18 1.4
0.8s 35.00nm 5.5mb X
KKN 8.01 175 P 20 04.48 0.9
0.5s 10.00nm 5.2mb X
DMN 8.18 177 P 20 04.92 -1.0
PKI 8.24 175 P 20 06.34 -0.5
0.9s 40.00nm 5.5mb X
LZH 15.63 83 eP 21 46.50 0.7
1.5s 31.00nm 4.3mb
Z 12s 0.77um 4.6MsZ
N 10s 0.95um

18d 20h

IRK 21.62 34 eP 21 58.50 -0.5
 e 23 30.50
 e 22 54.90
 e 23 17.30
 e 23 28.20
 e 25 15.00
 NAO 51.73 323 P 27 13.60 1.4
 0.9s 1.80nm 4.0mb
 INK 72.38 14 eP 29 29.00 -1.4
 WRA 72.77 131 P 29 39.00 5.6X
 1.2s 1.10nm 3.7mb
 S.D. = 1.3 on 9 of 10 obs.

& JUN 18, 1991 20h 39m 10.04s
 61.308 N 148.619 W
 DEPTH = 37.0km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.8 (AEIC).

KNK 0.13 37 iPd 39 15.96 -0.6
 eS 39 20.97
 PLRM 0.38 319 iPd 39 18.40 -0.6
 eS 39 24.43
 PMS 0.46 262 ePc 39 19.52 -0.6
 eS 39 27.01
 GHO 0.49 343 iPc 39 20.05 -0.6
 eS 39 27.82
 SML 0.52 15 iPd 39 20.30 -0.7
 eS 39 28.55
 PWA 0.70 300 ePd 39 22.99 -0.4
 SCM 0.81 49 iPd 39 24.44 -0.7
 GLI 0.86 119 ePd 39 24.57 -1.1
 VZW 1.03 103 ePd 39 27.58 -0.7
 SUA 1.03 280 iPd 39 27.95 -0.4
 KNIM 1.06 155 ePd 39 27.55 -1.0
 SLKM 1.12 225 ePc 39 28.98 -0.5
 eS 39 44.25
 VLZ 1.12 98 ePd 39 28.81 -0.6
 eS 39 44.32
 SEW 1.28 199 ePc 39 31.11 -0.5
 KLU 1.31 81 iPd 39 31.64 -0.6
 eS 39 48.68
 LTI 1.33 163 ePc 39 31.50 -0.9
 CUT 1.35 325 iPd 39 32.80 0.1
 NKA 1.40 247 iPd 39 35.01 1.7
 MTU 1.41 160 eP 39 33.57 0.0
 TOA 1.41 54 iPd 39 34.16 0.5
 SKT 1.54 297 iPd 39 35.65 0.1
 eS 39 55.90
 CGLM 1.63 271 ePc 39 37.33 0.4
 eS 39 58.42
 SPU 1.67 267 ePc 39 37.23 -0.2
 TZL 1.69 63 eP 39 37.71 0.0
 NCG 1.71 275 ePc 39 38.22 0.2
 CRP 1.71 270 ePc 39 38.26 0.2
 HUR 1.74 345 eP 39 38.86 0.4
 CKL 1.80 268 ePc 39 39.25 -0.1
 BGL 1.82 270 eP 39 39.47 -0.2
 >NNL 1.83 227 eP 39 40.24 0.6
 SDG 1.90 49 iPd 39 41.24 0.6
 RDT 1.99 250 eP 39 41.30 -0.7
 RND 2.11 357 eP 39 41.83 -1.8
 REF 2.16 249 eP 39 43.70 -0.8
 RDN 2.18 250 eP 39 43.86 -0.8
 RSO 2.19 249 eP 39 44.77 -0.2
 RS2 2.19 249 eP 39 43.90 -1.1
 RDW 2.21 250 eP 39 44.73 -0.5
 CNPM 2.21 217 eP 39 44.29 -0.8
 PAX 2.23 40 ePc 39 46.00 0.6
 NCT 2.23 252 eP 39 44.74 -0.7
 TRF 2.29 341 eP 39 46.76 0.4
 GLB 2.32 85 ePc 39 46.00 -0.7
 TGL 2.87 99 eP 39 54.19 -0.4
 BALM 3.05 92 eP 39 55.96 -1.2

45 obs. associated

& JUN 18, 1991 21h 15m 08.00s
 59.739 N 153.831 W
 DEPTH = 140.3km
 SOUTHERN ALASKA (2)
 <AEIC>.

PDB 0.19 285 iPd 15 26.03 0.3
 AUH 0.43 152 eP 15 27.70 -0.5
 AUE 0.45 148 eP 15 27.22 -1.0
 AUI 0.45 153 eP 15 27.27 -1.0
 MCNL 0.61 205 eP 15 28.01 -1.1

CDD 0.82 173 iPd 15 29.57 -1.1
 eS 15 46.51
 RS2 0.90 36 eP 15 31.27 -0.3
 eS 15 48.28
 RSO 0.90 36 eP 15 30.98 -0.6
 RDW 0.90 34 eP 15 30.78 -0.8
 REF 0.94 36 eP 15 30.79 -1.1
 eS 15 49.66
 RDN 0.94 34 eP 15 31.29 -0.5
 RDT 1.10 40 eP 15 31.87 -1.3
 XLV 1.11 104 eP 15 31.90 -1.3
 eS 15 50.56
 HOM 1.11 93 eP 15 32.25 -0.9
 eS 15 49.99
 >NNL 1.31 76 eP 15 35.08 -0.1
 CNPM 1.34 98 eP 15 34.03 -1.4
 eS 15 53.86
 SYI 1.35 146 eP 15 34.30 -1.3
 eS 15 53.86
 CKL 1.64 26 eP 15 37.87 -1.0
 eS 16 01.15
 NKA 1.64 51 eP 15 39.23 0.5
 BGL 1.69 24 eP 15 38.80 -0.6
 SPU 1.69 31 eP 15 38.18 -1.2
 CRP 1.74 28 eP 15 39.11 -1.0
 CGLM 1.81 29 eP 15 39.78 -1.1
 NCG 1.86 26 eP 15 40.82 -0.6
 SLKM 1.96 65 eP 15 40.81 -1.8
 SEW 2.24 79 eP 15 44.09 -1.7
 SUA 2.31 40 iPd 15 45.60 -1.2
 eS 16 14.47
 SKT 2.52 26 eP 15 48.21 -1.1
 PMS 2.60 53 eP 15 48.71 -1.7
 PWA 2.73 44 eP 15 51.51 -0.5
 PLRM 2.97 49 eP 15 54.21 -0.9
 LTI 3.03 82 eP 15 54.23 -1.7
 KNIM 3.12 76 eP 15 54.75 -2.3
 KNK 3.14 55 eP 15 54.51 -2.9
 GHO 3.16 48 eP 15 54.93 -2.7
 CUT 3.19 31 eP 15 56.52 -1.4
 SML 3.40 50 eP 15 57.94 -2.9
 GLI 3.54 68 eP 16 00.06 -2.6
 SCM 3.82 54 eP 16 03.64 -2.7
 VZW 3.85 67 eP 16 04.38 -2.3
 VLZ 3.97 66 eP 16 05.82 -2.5
 TRF 4.09 23 eP 16 08.32 -1.8
 KLU 4.28 62 eP 16 09.56 -2.9
 GLB 5.23 67 eP 16 23.16 -2.1
 NEA 5.34 23 eP 16 23.70 -3.0
 WRH 5.46 27 eP 16 25.31 -3.0
 CCB 5.67 27 eP 16 27.99 -3.2
 BALM 5.84 72 eP 16 31.54 -2.0
 MDM 5.85 24 eP 16 30.76 -2.8
 GLM 6.06 27 eP 16 33.25 -3.2

50 obs. associated

? JUN 18, 1991 22h 04m 21.95 ± 6.35s
 48.213 N ± 34.8km 8.511 E ± 43.9km
 DEPTH = 10.0km (geophysicist)

GERMANY (543)
 ML 2.6 (LDG).

SLE 0.45 181 eP 04 30.90 -0.2
 ZLA 0.74 186 eP 04 36.30 -0.1
 CDF 0.85 284 Pg 04 37.30 -1.1
 Sg 04 52.10
 BSF 1.21 252 Pn 04 44.20 -0.4
 Pg 04 46.50
 Sg 05 06.70
 HAU 1.46 263 Pg 04 50.20 1.8
 Sg 05 13.80
 MDX 3.17 39 ePg 05 29.00 16.2X
 eSg 05 42.00
 LOR 3.28 255 Pg 05 24.30 9.9X
 LBF 3.30 250 Pg 05 25.10 10.3X
 SMF 3.54 245 Pg 05 29.10 11.1X
 SSF 3.57 253 Pg 05 30.10 11.5X

S.D. = 1.5 on 5 of 10 obs.

JUN 18, 1991 22h 10m 05.64 ± 0.80s
 38.087 N ± 7.2km 22.052 E ± 7.2km
 DEPTH = 33.0km (normal)

GREECE (364)
 ML 3.1 (ATH).

AGG 0.96 13 iPd 10 23.29 0.5
 eS 10 36.26

VLS 1.16 275 ePn 10 25.60 0.0
 ATH 1.32 94 ePn 10 28.50 0.6
 VLI 1.54 152 ePn 10 31.20 0.1
 IGT 1.97 318 iPd 10 36.50 -0.9
 LIT 2.04 9 ePc 10 37.82 -0.5
 eS 11 03.14
 KZN 2.23 354 ePn 10 42.00 1.0
 PAIG 2.23 34 ePc 10 40.02 -1.0
 eS 11 05.98
 KEK 2.39 313 ePn 10 41.80 -1.6
 OUR 2.70 33 iPd 10 46.70 -0.9
 FNA 2.74 349 iPd 10 50.57 2.3
 GRG 2.88 5 iPd 10 51.42 1.2
 eS 11 24.14
 SOH 2.91 20 ePc 10 50.10 -0.6
 KNT 3.14 12 iPd 10 53.62 -0.3
 eS 11 29.54
 OHR 3.17 343 ePn 10 56.00 1.6
 SRS 3.25 21 ePc 10 55.46 0.0
 eS 11 32.26
 VAY 3.25 7 ePn 10 54.00 -1.5
 SKO 3.91 353 eP 11 09.50 4.7X
 S.D. = 1.2 on 17 of 18 obs.

JUN 18, 1991 23h 01m 35.49 ± 0.14s
 82.166 N ± 2.8km 119.003 E ± 2.3km
 DEPTH = 26.2km (17 depth phases)
 5.0mb (59 obs.)

NORTH OF SEVERNAYA ZEMLYA (651)

KBS 15.41 316 eP 05 18.50 6.2X
 MBC 19.17 38 eP 05 58.50 -0.6
 1.0s 48.00nm 4.7mb
 BRW 19.60 73 eP 06 05.00 1.0
 DAG 19.86 333 iPd 06 05.30 -1.4
 0.6s 9.33nm 4.3mb
 YAK 20.44 165 iPd 06 10.80 -2.1
 e 06 34.00 124kmX
 i 07 29.00
 KEV 22.04 292 iPd 06 27.10 -1.9
 0.7s 49.40nm 5.1mb
 i 06 38.00 43kmX
 TRO 23.15 299 eP 06 41.00 1.0
 SOD 24.33 290 iPd 06 51.30 -0.1
 ANM 24.75 88 eP 06 58.40 2.9X
 IMA 24.91 75 ePc 06 59.00 1.8
 FBA 26.79 71 eP 07 19.40 4.9X
 TTA 27.59 80 eP 07 26.60 4.7X
 SVW 29.40 80 eP 07 39.80 1.6
 IRK 30.34 198 ePc 07 46.20 -0.4
 e 07 53.00 23km
 e 08 56.80
 AKU 30.68 326 eP 07 51.00 1.6
 1.2s 31.25nm 5.0mb
 NUR 31.17 288 eP 07 48.00 -5.8X
 BALM 31.22 68 P 07 56.00 1.7
 NAO 32.59 300 P 08 04.50 -1.7
 0.9s 17.80nm 5.0mb
 HFS 32.92 297 eP 08 08.20 -0.9
 0.5s 1.10nm 4.0mb
 OBN 34.81 274 iPd 08 25.00 -0.4
 1.3s *****nm 8.5mb X
 Z 14s 0.50um 4.4MsZ X
 N 16s 0.40um
 i 08 32.00 24km
 i 08 46.00
 i 09 40.00
 iPPP 10 13.00
 eS 14 04.00
 eSS 16 56.00
 eSSS 17 24.00
 MDJ 37.85 168 P 08 52.50 1.4
 1.5s 65.00nm 5.2mb
 CN2 38.56 173 eP 08 56.40 -0.7
 1.0s 10.00nm 4.5mb
 EKA 39.54 311 P 09 05.60 0.4
 0.8s 17.60nm 4.8mb
 WMO 39.80 216 Pd 09 08.20 0.7
 1.0s 30.00nm 5.0mb
 Z 22s 0.70um 4.5MsZ
 pP 09 15.50 25km
 sP 09 24.50
 PP 10 37.50
 PpS 15 02.40
 SNY 40.51 175 P 09 13.40 0.2
 1.2s 26.00nm 4.8mb
 DMU 41.34 313 eP 09 20.20 0.2

CLL	41.64	295	iPd	09 21.90	-0.5	1.5s	71.00nm	5.4mb	BW06	52.88	44	P	10 50.00	-1.0			
	1.5s	51.00nm			5.0mb	Z	18s	0.29um	WDC	53.70	56	ePc	10 57.10	0.4			
				09 31.10	31km	E	11s	0.28um					11 04.90	26km			
				09 44.40				pP	10 10.50	25km	KER	53.73	257	eP	10 58.00	0.9	
FFC	41.69	35	eP	09 21.00	-1.8			sP	10 15.00		MIN	54.04	55	ePc	11 00.00	0.6	
	0.8s	6.00nm			4.4mb	LPF	46.52	307	iPd	10 01.40	-0.4	ORV	54.83	55	e(P)	11 05.00	-0.1
WTS	41.72	301	eP	09 16.00	-7.0X			10.75nm	4.9mb	TOL	54.90	308	eP	11 05.00	-0.6		
	0.8s	11.00nm			4.6mb	OSS	46.54	296	ePc	10 03.30	1.1	GUN	55.74	216	P	11 11.82	-0.4
BTO	41.82	190	eP	09 24.00	-0.1	LJU	46.62	292	eP	10 03.00	0.4		1.1s	126.00nm		5.8mb	
	N 10s	0.40um				ZAG	46.66	290	eP	10 03.50	0.6	GKN	55.75	217	P	11 11.26	-0.8
	E 10s	0.30um				NEW	46.70	50	P	10 03.50	0.2	KKN	55.91	216	P	11 12.76	-0.5
		pP		09 33.00	30km			42.50nm	5.4mb	DMN	56.10	217	P	11 14.12	-0.6		
DCN	41.92	314	eP	09 25.00	0.3	VOY	46.71	292	eP	10 03.10	-0.4	PKI	56.12	216	P	11 13.78	-1.1
KRA	41.98	288	iPc	09 25.90	0.6	LOR	46.72	302	iPd	10 02.90	-0.5	GLD	56.28	40	P	11 16.00	0.2
	0.7s	38.00nm			5.2mb			13.45nm	5.0mb	GOL	56.32	40	P	11 16.50	0.3		
		e		09 34.70	30km	Z	20s	0.28um	4.2Msz		1.3s	23.44nm		5.1mb			
		e		09 42.30		GRC	46.78	303	P	10 03.72	-0.1	HRI	56.34	268	eP	11 15.90	-0.2
BJI	42.27	183	eP	09 29.00	1.3	VDL	46.82	297	ePc	10 05.70	1.3	CMB	56.46	55	eP	11 17.30	0.4
	1.5s	120.00nm			5.4mb	CEY	46.93	292	eP	10 05.00	-0.1			e		11 24.60	24km
		pP		09 36.00	24km	SSF	46.96	302	iPd	10 04.90	-0.4	TNP	56.76	52	P	11 20.00	0.7
MOX	42.46	296	iPd	09 29.70	0.5			17.45nm	5.1mb		1.0s	15.00nm		5.0mb			
	1.4s	49.00nm			5.0mb	CTI	46.98	295	P	10 05.80	0.2	MHC	57.00	56	eP	11 20.70	-0.2
HOF	42.75	296	iPc	09 32.40	0.7	LBF	46.98	302	iPd	10 05.00	-0.5	PV09	57.17	44	P	11 21.50	-0.8
SPC	42.79	287	eP	09 32.70	0.5			20.15nm	5.2mb	KMI	57.48	198	Pd	11 23.50	-0.9		
ENN	43.03	301	eP	09 34.00	0.2	TRI	47.05	293	iPc	10 06.00	0.0		1.5s	60.00nm		5.4mb	
	1.0s	19.00nm			4.8mb	VBY	47.06	291	eP	10 06.50	0.4			pP		11 31.00	24km
MEM	43.17	301	P	09 35.40	0.4	PSN	47.13	278	iP	10 07.00	0.3	FRI	57.56	54	ePc	11 25.10	0.5
		e		09 44.30	30km	AVF	47.25	302	eP	10 07.20	-0.3	DSI	58.06	268	eP	11 27.70	-0.5
SCH	43.22	5	eP	09 34.00	-1.3			22.30nm	5.1mb	CLC	58.96	52	eP	11 35.00	0.5		
GTA	43.39	202	eP	09 38.00	1.0	SMF	47.33	302	eP	10 07.80	-0.5	ISA	59.01	53	eP	11 35.00	0.1
	1.0s	10.00nm			4.5mb			11.00nm	4.8mb	GSC	59.55	52	eP	11 39.00	0.3		
	N 11s	0.30um				MMK	47.43	298	ePc	10 10.40	1.1	CBN	59.58	15	eP	11 38.00	-0.7
		pP		09 45.80	26km	DIX	47.47	299	ePc	10 10.70	1.0			e		11 46.00	26km
		sP		09 55.80		VAI	47.51	297	P	10 09.60	0.0	MBH	59.90	269	eP	11 40.20	-0.9
GRF	43.45	296	iPd	09 38.20	0.9	BGF	47.53	303	iPd	10 09.50	-0.3	SBB	60.05	53	eP	11 42.00	0.0
	1.2s	33.00nm			5.0mb			18.80nm	5.2mb	MWC	60.48	53	eP	11 46.00	0.8		
	Z 22s	0.20um			4.0Msz	TCF	47.87	303	iPd	10 12.00	-0.5	RVR	60.78	52	eP	11 46.00	-1.0
		e		09 47.50	31km			14.00nm	4.9mb	TPC	60.82	51	eP	11 48.00	0.8		
SNF	43.47	303	Pc	09 37.90	0.5	MAF	47.90	303	eP	10 12.40	-0.3	TUL	60.86	32	eP	11 44.40	-3.1X
VAL	43.60	316	eP	09 39.00	0.6			5.35nm	4.6mb		0.8s	9.90nm		5.0mb			
WET	43.78	294	eP	09 41.00	1.0	PVL	47.98	281	iPc	10 13.00	-0.3			LR	35	25.00	
	1.0s	19.00nm			4.9mb	LSF	47.99	304	iPd	10 12.80	-0.6	ANMO	60.94	42	P	11 45.50	-2.7
DOU	43.84	302	Pc	09 40.50	0.1			16.40nm	5.1mb	ALO	60.94	42	ePd	11 47.00	-1.3		
PSZ	44.08	287	iP	09 43.10	0.6	AGO	48.00	303	P	10 13.26	-0.3		0.8s	10.63nm		5.0mb	
ZST	44.17	290	eP	09 44.80	1.7	LPL	48.10	299	eP	10 15.10	0.5		1.0s	16.25nm		5.1mb	
SRO	44.39	289	eP	09 45.40	0.5			9.40nm	4.9mb	PLM	61.47	52	eP	11 51.00	-0.9		
GWF	44.59	299	P	09 46.65	0.1	LPG	48.12	299	iPd	10 15.30	0.5	MEQ	61.77	35	iPc	11 52.50	-1.2
TIY	44.65	187	iPc	09 47.70	0.6			10.05nm	4.9mb	GLA-	61.99	50	eP	11 55.00	-0.2		
WLS	45.18	299	P	09 51.46	0.2	PYM	48.31	303	P	10 15.70	-0.3	BAR	62.16	52	eP	12 04.00	7.7X
VRI	45.18	280	ePd	09 51.00	-0.3	XAN	48.39	191	Pd	10 16.00	-0.6	CHG	63.92	201	eP	12 06.80	-1.2
CDP	45.19	299	P	09 51.46	0.1	JMB	48.55	279	eP	10 17.00	-0.7	HYB	66.77	222	eP	12 24.50	-1.9
SES	45.20	44	eP	09 51.00	-0.4	VTS	48.88	283	iPc	10 19.00	-1.5	GBA	70.65	223	Pc	12 48.50	-1.8
CVO	45.31	281	eP	09 53.00	0.7	RJF	48.92	304	eP	10 20.80	0.2		0.8s	29.50nm		5.5mb	
ECH	45.39	299	P	09 53.06	0.1			13.45nm	5.0mb	KIC	88.09	304	P	14 25.10	0.6		
VITF	45.53	300	P	09 54.20	0.2	Z	20s	0.25um	4.2Msz	LIC	88.26	304	P	14 26.00	0.7		
UZD	45.56	288	e(P)	09 55.00	0.8	PGD	49.11	294	P	10 23.10	0.8	WRA	102.20	165	Pdiff	15 31.00	2.2
FEL	45.62	298	P	09 54.64	-0.3	PLD	49.15	281	eP	10 22.00	-0.4		0.7s	0.70nm		4.4mb	
PGC	45.63	55	eP	09 55.00	0.3	CAF	49.23	303	eP	10 23.00	0.0	MAW	152.33	223	ePKP	21 29.00	7.9X
MLR	45.66	281	eP	09 59.00	3.8X			12.00nm	4.9mb		0.8s	13.00nm					
CFR	45.66	279	eP	09 55.00	0.0	CRE	49.32	294	P	10 24.70	0.9		S.D. = 0.8 on 168 of 179 obs.				
SLE	45.67	298	ePc	09 55.30	0.1	ARV	49.32	293	P	10 23.70	-0.1		JUN 18, 1991 23h 49m 52.80±0.18s				
HAU	45.70	300	eP	09 55.70	0.3	LFF	49.37	304	eP	10 24.20	0.2		44.304 N ± 1.6km 7.267 E ± 2.2km				
	1.0s	20.00nm			5.0mb			12.00nm	4.9mb			DEPTH = 9.0 ± 2.0 km					
	Z 20s	0.22um			4.1Msz	RZN	49.56	281	eP	10 25.00	-0.8		NORTHERN ITALY (545)				
FLN	45.73	306	iPd	09 55.00	-0.6	LPO	49.57	304	eP	10 25.70	0.1		ML 3.2 (GEN), 2.9 (LDG).				
	0.7s	13.25nm			5.0mb			18.80nm	5.2mb	STV	0.07	145	Pd	49 55.27	0.1		
	Z 20s	0.15um			3.9Msz	LRM	49.59	46	eP	10 25.10	-1.0			S	49 57.31		
KBA	45.75	293	iPd	09 57.10	1.1	KKB	49.61	283	eP	10 25.00	-0.9	ENR	0.13	125	Pc	49 56.27	0.3
	1.2s	46.70nm			5.3mb	SKO	49.72	284	eP	10 26.30	-0.5			S	50 59.27		
		i		10 04.60	25km	MM8	49.79	282	iPc	10 27.00	-0.4	DOI	0.20	356	Pd	49 57.50	0.3
MOF	45.75	299	P	09 55.57	-0.3	TAB	50.17	259	eP	10 32.00	1.5			eSg	50 00.20		
WTTA	45.78	295	iPd	09 56.70	0.5	MAIO	50.20	245	iPd	10 32.00	1.4	PZZ	0.23	329	Pd	49 57.77	0.0
	1.6s	50.40nm			5.2mb			13.00nm	4.9mb					S	50 01.11		
		i		10 03.50	23km	VAY	50.21	283	eP	10 29.40	-1.1	TOUF	0.29	183	Pg	49 58.93	0.0
BSF	45.81	300	eP	09 56.20	-0.2	NJ2	50.24	180	Pc	10 31.00	0.3			Sg	50 02.40		
	0.8s	10.75nm			4.8mb	AOU	50.39	292	P	10 32.80	0.8	AUTN	0.33	159	Pg	49 59.88	0.2
LDF	45.86	306	iPd	09 56.10	-0.5	OHR	50.65	285	eP	10 33.00	-1.0			Sg	50 04.24		
	0.8s	8.05nm			4.7mb	SSE	51.19	178	eP	10 37.00	-1.0	AURF	0.42	174	Pg	50 01.29	-0.1
ZLA	45.97	298	ePc	09 57.90	0.4	EPF	51.30	304	eP	10 38.20	-0.7	ROB	0.43	91	P	50 02.01	0.4
CMP	46.00	282	iPd	10 01.00	3.2X			10.75nm	4.8mb					S	50 07.34		
TIA	46.09	182	eP	09 58.60	0.1	CD2	51.68	197	P	10 42.00	0.2	SBF	0.46	165	Pg	50 02.10	0.0
GRR	46.14	307	iPd	09 58.20	-0.6			20.00nm	5.0mb					Sg	50 06.60		
	0.8s	10.75nm			4.8mb	WHN	51.77	185	eP	10 42.50	0.1	BHB	0.54	360	Pd	50 03.00	-0.7
MAT	46.25	158	eP	10 00.00	0.2	RSSD	52.05	39	P	10 45.00	0.2			S	50 09.42		
LLS	46.50	297	ePc	10 02.50	0.6			27.42nm	5.2mb	REV	0.57	173	Pg	50 04.28	0.0		
LZH	46.52	197	eP	10 03.00	0.9	TDS	52.67	289	P	10 49.50							

18d 23h

IMI	0.60	131	Pd	50	04.73	-0.1
			S	50	12.42	
CALN	0.62	266	Pg	50	04.93	-0.3
FIN	0.68	98	Pc	50	06.40	-0.1
			S	50	15.76	
RRL	0.71	331	P	50	06.03	-1.0
			S	50	14.96	
CKI	0.74	80	P	50	07.30	-0.1
			eSg	50	18.20	
RSP	0.85	360	P	50	07.80	-1.5
			S	50	18.30	
BNI	0.86	331	P	50	08.90	-0.6
FRF	0.87	211	Pg	50	09.30	-0.3
			Sg	50	20.00	
PCP	0.95	75	Pc	50	11.45	0.5
			S	50	23.96	
LRG	1.07	218	Pg	50	13.00	-0.1
			Sg	50	26.50	
LMR	1.11	210	Pg	50	13.80	0.0
			Sg	50	27.80	
LSD	1.16	356	P	50	13.53	-1.2
			S	50	28.69	
LPG	1.25	343	Pn	50	16.30	0.0
CDR	1.25	240	ePg	50	16.00	-0.2
			eSg	50	30.20	
LPL	1.27	343	Pn	50	16.40	-0.2
BOB	1.63	73	P	50	22.20	0.4
PGF	2.16	144	Pn	50	28.20	-1.4
			Sn	50	53.80	
SMF	3.36	315	Pn	50	47.10	0.6
			Sn	51	26.80	
LBF	3.54	320	Pn	50	49.70	0.7
BSF	3.54	355	Pn	50	49.70	0.5
AVF	3.71	313	Pn	50	51.90	0.4
HAU	3.76	351	Pn	50	52.80	0.6
			Sn	51	35.40	
CAF	3.77	281	Pn	50	52.10	-0.3
LOR	3.80	322	Pn	50	53.30	0.4
SSF	3.81	318	Pn	50	53.50	0.5
BGF	3.84	307	Pn	50	53.70	0.3
TCF	4.08	301	Pn	50	57.30	0.5

S.D. = 0.6 on 38 of 38 obs.

? JUN 19, 1991 00h 33m 33.28±5.08s
 72.805 N ±38.6km 8.030 E ±26.9km
 DEPTH = 10.0km (geophysicist)
 3.6msz (1 obs.)
 NORWEGIAN SEA (642)
 MD 3.2 (BER).

TRO	4.75	127	iP	34	46.58	0.1
LOF	5.05	156	eP	34	50.65	0.0
			eSn	35	47.76	
KTK1	6.26	120	iP	35	08.82	0.9
ARA0	6.52	112	P	35	10.60	-1.0
MOR7	6.95	157	eP	35	17.88	0.3
			eSn	36	34.12	
NSS	8.44	168	eP	35	37.63	-0.7
OBN	21.34	131	eP	38	16.00	-6.2X
			Z 22s	0.30um	3.6msz	
			e	38	23.00	
CLL	21.68	172	e(P)	38	26.00	0.3
MOX	22.30	174	e(P)	38	21.00	-10.8X

S.D. = 0.8 on 7 of 9 obs.

* JUN 19, 1991 00h 46m 40.69±1.16s
 0.519 S ±7.8km 121.962 E ±10.5km
 DEPTH = 28.2 ± 10.1 km
 4.8mb (4 obs.)
 MINAHASSA PENINSULA (265)

MNI	3.48	56	eP	47	34.50	0.3
MKS	5.29	208	iPd	47	59.50	-0.4
TSM	6.11	321	eP	48	11.50	0.1
WB2	22.80	149	iPc	51	42.00	-0.5
			0.5s	7.60nm	4.5mb	
ASPA	25.76	154	eP	52	10.00	-1.0
			1.4s	5.00nm	3.9mb	
QIS	26.35	140	iPc	52	18.30	1.9
CHG	29.67	312	eP	52	47.00	0.5
MAT	39.84	21	eP	54	12.00	-1.5
GUN	44.68	312	P	54	54.18	0.6
			0.7s	58.00nm	5.6mb	
PKI	44.85	311	P	54	55.00	0.1
			0.6s	20.00nm	5.2mb	
KKN	45.07	312	P	54	56.42	-0.1
DMN	45.10	311	P	54	57.00	0.2

GKN 45.66 311 P 55 00.98 -0.2
 S.D. = 0.9 on 13 of 13 obs.

? JUN 19, 1991 00h 55m 08.99±5.75s
 17.655 N ±47.2km 61.652 W ±19.0km
 DEPTH = 25.3 ± 10.7 km
 LEEWARD ISLANDS (92)
 ML 3.3 (FDF).

BPA	0.64	198	iPd	55	21.36	-0.1
			S	55	30.46	
NEV	1.02	240	eP	55	27.60	0.0
			S	55	41.90	
SEG	1.25	174	eP	55	31.15	0.2
DEG	1.45	157	eP	55	33.60	-0.2
PAG	1.62	181	eP	55	37.00	0.8
			S	55	58.60	
MGG	1.76	169	ePd	55	38.96	0.8
BBL	2.13	175	eP	55	42.10	-1.5

S.D. = 1.1 on 7 of 7 obs.

* JUN 19, 1991 02h 47m 30.36±1.22s
 47.691 N ±23.6km 152.715 E ±16.5km
 DEPTH = 110.0km (geophysicist)
 4.5mb (26 obs.)
 KURIL ISLANDS (221)

FBA	35.60	39	P	54	18.00	-0.5
YKA	50.33	37	eP	56	16.80	-0.4
CHG	52.08	256	eP	56	31.30	0.3
GUN	54.66	274	P	56	49.80	-0.5
			0.3s	13.00nm	5.4mb	
KKN	55.14	274	P	56	53.44	-0.2
			0.5s	15.00nm	5.3mb	
PKI	55.19	274	P	56	53.82	-0.3
			0.4s	9.00nm	5.1mb	
DMN	55.37	274	P	56	55.50	0.1
			0.5s	19.00nm	5.4mb	
GKN	55.43	275	P	56	55.50	-0.2
			0.4s	24.00nm	5.6mb X	
NAO	67.53	341	P	58	12.60	-3.5X
			0.8s	1.70nm	4.0mb	
CLL	75.50	335	iP	59	02.50	-1.1
			1.1s	14.00nm	4.7mb	
PRU	76.22	334	eP	59	07.30	-0.5
KHC	77.27	334	eP	59	13.00	-0.7
ENN	77.85	339	eP	59	16.50	-0.2
			0.6s	7.00nm	4.6mb	
MEM	77.97	339	Pc	59	16.80	-0.6
WTTA	79.52	334	iPc	59	26.20	0.0
			0.5s	10.60nm	4.9mb	
CDF	79.68	337	eP	59	26.30	-0.6
			0.7s	5.50nm	4.5mb	
HAU	80.30	338	eP	59	29.70	-0.4
			0.6s	3.60nm	4.4mb	
BSF	80.34	337	eP	59	29.70	-0.7
			0.6s	3.60nm	4.4mb	
LOR	81.60	339	eP	59	36.80	-0.1
			0.6s	4.95nm	4.5mb	
LBF	81.84	339	eP	59	38.60	0.4
			0.8s	4.05nm	4.3mb	
SSF	81.88	339	eP	59	38.40	0.1
			0.8s	4.05nm	4.3mb	
AVF	82.17	339	eP	59	39.90	0.1
			0.6s	3.60nm	4.4mb	
SMF	82.19	339	eP	59	40.00	0.1
			0.8s	6.70nm	4.5mb	
LPL	82.50	337	eP	59	42.30	0.4
			0.6s	2.70nm	4.3mb	
BGF	82.51	340	eP	59	41.70	0.1
			0.6s	4.50nm	4.5mb	
LPG	82.51	337	eP	59	42.50	0.5
			0.6s	3.60nm	4.4mb	
MAF	82.89	340	eP	59	43.80	0.2
			0.6s	7.20nm	4.7mb	
TCF	82.91	340	eP	59	44.20	0.5
			0.8s	5.35nm	4.5mb	
LSF	83.10	340	eP	59	45.20	0.5
			0.7s	3.30nm	4.4mb	
MFF	83.14	342	eP	59	45.50	0.7
			0.6s	3.60nm	4.5mb	
CAF	84.23	340	eP	59	51.40	1.0
			0.6s	3.60nm	4.5mb	
LFF	84.52	340	eP	59	52.80	1.0
			0.6s	3.60nm	4.5mb	
LPO	84.66	340	eP	59	53.40	0.9
			0.6s	4.50nm	4.6mb	

S.D. = 0.5 on 32 of 33 obs.

JUN 19, 1991 02h 48m 11.36±0.92s
 37.754 N ±8.1km 26.710 E ±7.7km
 DEPTH = 10.0km (geophysicist)
 DODECANESE ISLANDS (369)
 MD 3.8 (ATH), 3.7 (ISK).

IZM	0.78	34	iPg	48	25.30	-1.2
CIN	1.10	98	iPg	48	32.00	-0.1
			iSg	48	48.00	
YER	1.40	116	iPn	48	37.70	0.8
EZN	2.09	352	ePn	48	48.40	1.6
NPS	2.64	200	ePn	49	02.00	7.3X
KGT	2.73	10	iPn	48	56.50	0.4
BNT	2.76	20	iPn	48	57.50	1.0
ALT	2.97	63	ePn	48	59.00	-0.5
MFT	3.06	8	ePn	49	02.00	1.3
VLI	3.18	252	ePn	49	02.00	-0.4
RDO	3.51	345	ePg	49	05.00	-2.0
CTT	3.64	21	ePn	49	09.00	0.1
EYL	3.88	43	ePn	49	11.50	-1.0

S.D. = 1.2 on 12 of 13 obs.

% JUN 19, 1991 02h 55m 12.74±1.09s
 42.751 N ±6.5km 12.543 E ±14.2km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

ASS	0.33	15	P	55	18.70	-0.9
			eSg	55	23.50	
MNS	0.38	164	P	55	20.30	-0.3
			eSg	55	26.70	
AQU	0.75	122	P	55	27.70	0.2
			eSg	55	38.40	
ARV	0.80	21	P	55	29.00	0.7
			eSg	55	39.10	
CRE	0.98	334	P	55	31.60	0.2
			eSg	55	45.50	

S.D. = 0.9 on 5 of 5 obs.

? JUN 19, 1991 03h 06m 42.85±0.88s
 15.001 N ±10.0km 120.034 E ±14.1km
 DEPTH = 10.0km (geophysicist)
 4.4mb (3 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

OVP-	1.01	112	P	07	02.30	0.3
OCP	1.07	110	eP	06	45.80	-17.2X
BAG	1.50	20	eP	07	09.40	-0.5
SZP	2.57	9	ePd	07	31.00	5.8X
CVP	3.19	32	eP	07	37.50	3.5X
			0.8s	93.00nm		
PIP	3.35	10	iPd	07	42.00	5.7X
WB2	37.47	158	eP	13	57.80	-0.7
			0.5s	3.80nm	4.4mb	
ASPA	40.75	160	eP	14	25.90	0.1
			1.0s	3.50nm	4.0mb	
NAO	86.07	332	P	19	25.40	0.5
			0.8s	3.20nm	4.5mb	
YKA	91.83	22	eP	19	52.50	0.4

S.D. = 0.7 on 6 of 10 obs.

? JUN 19, 1991 03h 16m 47.29±2.19s
 19.962 N ±22.7km 108.846 W ±16.7km
 DEPTH = 10.0km (geophysicist)
 4.2mb (4 obs.)
 REVILLA GIGEDO ISLANDS REGION (53)

GLA	14.09	339	eP	20	09.00	-0.1
BAR	14.47	333	eP	20	13.00	-1.1
ALO	15.07	8	eP	20	23.00	0.8
			1.2s	11.72nm	4.2mb	
ANMO	15.08	8	ePd	20	22.30	0.1
			0.6s	5.33nm	4.1mb	
PLM	15.13	333	eP	20	25.00	2.1

TUL 19.60 33 e(P) 21 16.60 -2.1
 GOL 19.90 8 ePd 21 23.00 0.9
 1.0s 9.00nm 4.0mb
 GLD 19.97 8 ePc 21 25.00 2.2
 CMB 20.61 333 e(P) 21 26.30 -3.0
 RSSD 24.42 8 ePd 22 10.00 2.7X
 YKA 42.68 356 eP 24 43.70 -1.9
 MBC 56.57 357 eP 26 31.00 -1.0
 0.7s 3.00nm 4.4mb
 WRA 120.95 258 PKP 35 44.00 1.7
 0.5s 0.80nm
 S.D. = 1.7 on 19 of 24 obs.

% JUN 19, 1991 03h 26m 36.09±0.84s
 43.015 N ±12.1km 17.687 E ±6.3km
 DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)
 ML 2.4 (TTG).

BRY 0.64 100 iPg 26 48.17 -0.8
 iSg 26 59.03
 HCY 0.82 133 iPg 26 51.77 -0.3
 iSg 27 05.20
 HVAR 0.92 281 iPg 26 53.70 0.0
 iSg 27 06.00
 NKY 0.98 101 iPg 26 55.47 0.6
 iSg 27 10.60
 BDV 1.11 131 iPg 26 57.13 0.1
 iSg 27 15.50
 PLE 1.29 75 iPg 27 00.10 0.0
 iSg 27 20.35
 TTG 1.30 116 iPg 27 00.40 0.3
 iSg 27 20.95
 S.D. = 0.6 on 7 of 7 obs.

? JUN 19, 1991 03h 42m 42.47±0.94s
 40.804 N ±20.8km 29.142 E ±7.1km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 MD 2.7 (ISK).

HRT 0.40 87 iPg 42 51.30 0.6
 eSg 42 58.00
 CTT 0.64 303 iPg 42 55.00 -0.3
 iSg 43 04.50
 EYL 0.81 107 ePg 42 57.50 -0.7
 KGT 1.44 257 ePn 43 09.00 0.4
 S.D. = 1.1 on 4 of 4 obs.

* JUN 19, 1991 03h 55m 41.90±0.79s
 13.484 N ±13.7km 89.690 W ±6.8km
 DEPTH = 69.3 ±4.9 km
 4.8mb (6 obs.)

EL SALVADOR (73)
 Felt (11) at San Salvador.

CUSS 0.49 329 iPc 55 52.50 -2.3
 VSS 0.51 59 iPd 55 55.50 0.5
 SJAS 0.54 70 iPd 55 55.40 0.0
 LFU 0.62 65 iPd 55 57.40 1.3
 TME 0.62 31 iPd 55 57.90 1.8
 QZA 0.68 87 iPd 55 56.50 -0.2
 VSM 1.38 92 iPd 56 06.20 0.3
 TPX 2.87 300 iP 56 24.00 -2.2
 iS 56 56.70
 PBJ 6.26 299 iP 57 05.50 -8.2X
 (S) 58 12.00
 OXX 7.67 299 iP 57 37.00 3.5X
 (S) 59 00.00
 IISM 9.19 308 (P) 57 53.20 -0.9
 PPM 10.22 304 iP 58 09.00 0.3
 TPM 10.53 303 (P) 58 12.00 -0.6
 III 10.59 299 iP 58 13.30 -0.1
 CRX 11.25 303 (P) 58 23.00 0.6
 MRX 12.64 301 iP 58 41.20 0.7
 MEO 22.68 341 iPc 00 37.50 -0.9
 TUL 23.00 347 eP 00 40.60 -0.8
 0.8s 14.00nm 4.4mb
 Z 20s 0.13um 3.4msz
 LR 08 25.00
 ALO 26.19 328 eP 01 13.00 0.9
 1.0s 2.50nm 3.7mb X
 GOL 29.54 335 P 01 39.50 -2.9
 GLA 30.07 315 eP 01 47.00 0.1
 BAR 31.17 312 eP 01 58.00 1.4
 TPC 31.51 315 eP 02 01.00 1.4
 PLM 31.66 313 eP 02 02.00 0.9

GSC 32.70 316 eP 02 11.00 1.1
 MWC 32.97 314 eP 02 13.00 0.6
 SBB 33.05 315 eP 02 13.00 0.0
 CLC 33.52 316 eP 02 17.00 -0.1
 ISA 34.03 316 eP 02 23.00 1.5
 TNP 34.61 320 P 02 27.20 0.6
 FRI 35.59 317 ePd 02 34.60 0.0
 LLA 36.23 315 ePd 02 40.40 0.3
 CMB 36.61 317 ePd 02 44.10 0.8
 MHC 37.08 316 eP 02 47.80 0.4
 LRM 37.54 334 eP 02 51.70 0.4
 BKS 37.76 316 eP 02 54.00 1.1

1.2s 75.00nm 5.5mb
 BRK 37.78 316 eP 02 53.50 0.5
 ORV 38.18 319 ePd 02 57.70 1.3
 MIN 38.69 320 eP 03 01.30 0.4
 FHC 40.46 319 e(P) 03 14.20 -1.1
 SES 40.72 339 eP 03 17.00 -0.4
 SIL 40.72 135 P 03 16.00 -1.7
 FFC 42.26 349 iPd 03 30.10 0.2
 0.8s 11.00nm 4.7mb
 SCH 44.96 19 ePc 03 51.00 -0.8
 0.5s 19.00nm 5.2mb
 YKA 52.06 346 eP 04 44.00 -2.5
 MBC 64.71 352 ePd 06 12.90 -1.5
 1.0s 12.00nm 4.8mb
 CLL 87.35 38 eP 08 21.00 -1.5
 1.1s 8.00nm 4.8mb
 WRA 137.44 255 PKP 15 00.00 -0.3
 0.8s 2.70nm
 CHG 146.80 345 ePKP 15 18.00 1.3
 GBA 150.22 26 PKPc 15 24.70 2.7X
 0.7s 8.70nm
 S.D. = 1.2 on 47 of 50 obs.

& JUN 19, 1991 04h 14m 02.91s
 62.656 N 151.703 W

DEPTH = 12.1km
 CENTRAL ALASKA (1)
 <AEIC>. ML 2.6 (AEIC).

SKT 0.68 173 iP 14 16.21 -0.1
 CUT 0.71 110 iP 14 16.71 0.0
 HUR 1.00 70 eP 14 22.26 0.5
 TRF 1.03 38 eP 14 21.59 -0.6
 NCG 1.28 190 eP 14 26.00 -0.5
 SUA 1.28 159 eP 14 26.47 -0.1
 eS 14 45.29
 PWA 1.32 139 eP 14 27.04 -0.1
 CGLM 1.36 186 eP 14 27.85 0.1
 eS 14 45.96
 CRP 1.41 189 eP 14 28.81 0.3
 eS 14 46.78
 BGL 1.43 193 eP 14 28.89 0.1
 SPU 1.49 187 eP 14 30.07 0.6
 CKL 1.50 192 eP 14 29.47 -0.2
 RND 1.50 59 eP 14 29.93 0.2
 eS 14 49.41
 GHO 1.58 123 eP 14 30.85 0.1
 PLRM 1.61 130 eP 14 31.02 -0.2
 PMS 1.74 143 eP 14 33.85 0.7
 SML 1.79 117 eP 14 34.45 0.6
 BWN 1.82 32 eP 14 34.21 -0.1
 KNK 1.97 128 eP 14 36.73 0.2
 TTA 2.00 280 eP 14 38.59 1.7
 RDT 2.12 189 eP 14 39.91 1.3
 TOA 2.64 100 eP 14 46.61 0.6
 KLU 2.96 111 eP 14 51.27 0.7
 23 obs. associated

% JUN 19, 1991 04h 17m 44.63±0.98s
 16.873 N ±9.4km 99.115 W ±7.3km
 DEPTH = 33.0km (normal)
 NEAR COAST OF GUERRERO, MEXICO (58)

ACX 0.71 270 iPc 17 58.20 0.0
 iS 18 07.02
 III 1.53 347 iP 18 09.69 -0.5
 iS 18 29.20
 TPM 2.10 -1 (P) 18 19.00 0.7
 (S) 18 46.00
 PPM 2.23 12 iP 18 20.48 0.0
 (S) 18 52.50
 IIT 2.27 20 iP 18 21.89 1.1
 OXX 2.30 84 (P) 18 21.75 0.6
 IIA 2.31 11 eP 18 20.77 -0.3
 IISM 2.68 38 iP 18 25.01 -1.3

iS 18 58.36
 MRX 3.44 325 (P) 18 41.24 4.1X
 PBJ 3.58 96 (P) 18 39.00 -0.2
 S.D. = 0.8 on 9 of 10 obs.

& JUN 19, 1991 06h 15m 06.70s
 34.010 N 117.590 W
 DEPTH = 4.0km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.0 (PAS). Felt
 (11) at Guasti and Ontario.
 Also felt at Montclair.

PCF 0.17 285 iPc 15 10.25 0.0
 S 15 12.99
 VPD 0.24 217 iPd 15 11.25 -0.3
 S 15 15.74
 PEM 0.28 304 iPc 15 12.35 0.0
 PEC 0.38 108 iPc 15 13.90 -0.3
 MWC 0.44 299 iPc 15 15.20 -0.4
 PAS 0.50 286 eP 15 16.11 -0.6
 SBB 0.70 344 iPd 15 19.90 -0.9
 PVPS 0.71 252 eP 15 19.98 -0.9
 SCY 0.72 278 eP 15 19.85 -1.3
 PLM 0.89 137 ePc 15 23.00 -1.5
 CIS 0.91 229 eP 15 23.60 -1.0
 CIW 0.97 236 eP 15 24.55 -1.1
 S 15 38.01
 CPE 1.20 160 eP 15 27.90 -1.7
 TPC 1.28 85 iPc 15 30.20 -0.9
 BAR 1.53 150 iPd 15 33.50 -1.4
 CLC 1.80 360 iPd 15 37.90 -0.9
 ISA 1.80 336 iPc 15 38.10 -0.7
 BCH 2.37 300 e(P) 15 46.00 -1.1
 BLP 2.39 284 e(P) 15 45.50 -1.8
 GLA 2.50 112 eP 15 46.50 -2.3
 TNP 4.07 4 e(P) 16 13.50 2.1
 21 obs. associated

& JUN 19, 1991 06h 26m 09.50s
 34.010 N 117.590 W
 DEPTH = 4.0km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 2.8 (PAS). Felt at
 Ontario.

PEC 0.38 108 iPc 26 16.70 -0.3
 MWC- 0.44 299 iPc 26 18.00 -0.4
 eS 26 24.50
 SBB 0.70 344 iPd 26 22.70 -0.9
 PLM 0.89 137 ePc 26 25.80 -1.5
 CPE 1.20 160 iPd 26 30.60 -1.8
 TPC 1.28 85 iPc 26 33.10 -0.8
 GSC 1.44 26 iPd 26 36.00 -0.5
 BAR 1.53 150 iPd 26 36.30 -1.4
 8 obs. associated

JUN 19, 1991 06h 40m 28.95±0.39s
 40.282 N ±10.7km 42.971 E ±5.6km
 DEPTH = 33.0km (normal)
 4.6mb (9 obs.)

TURKEY (366)

TAB 3.42 129 eP 41 26.00 4.6X
 GAZ 5.47 237 ePn 41 56.00 5.8X
 KAS 7.07 282 eP 42 13.00 0.2
 IR7 7.57 125 eP 42 22.00 2.2
 IR5 7.87 128 eP 42 25.00 0.9
 IR4 8.05 126 eP 42 26.00 -0.6
 BHL 8.64 225 P 42 30.00 -4.7X
 S 44 59.00
 ELL 10.83 255 eP 43 05.00 0.2
 MLR 13.52 298 eP 43 49.00 8.1X
 MAIO 13.57 102 eP 43 41.00 -0.6
 OBN 15.42 346 eP 44 05.00 -0.5
 1.4s *****nm 7.7mb X
 Z 14s 52.00um 5.3msz X
 e 44 27.00
 VAY 15.49 280 eP 44 16.50 10.0X
 SKO 16.31 283 eP 44 18.80 1.8
 OHR 16.83 280 eP 44 24.00 0.3
 1.5s 80.00nm 4.6mb
 KRA 18.88 309 eP 44 48.00 -0.9
 ZST 20.08 302 eP 45 02.70 0.4
 MMN 20.62 278 P 45 06.50 -1.4
 CZI 20.64 276 P 45 05.70 -2.4
 GAR 21.07 85 iP 45 13.10 0.4

19d 06h

CLL 23.46 308 eP 45 37.00 0.9
1.5s 20.00nm 4.4mb
CLL 23.46 308 eP 45 37.00 0.9
1.5s 20.00nm 4.4mb
WTTA 23.57 298 iPc 45 36.70 -0.7
0.9s 19.00nm 4.6mb
id 45 37.80
EKA 33.75 312 P 47 11.00 1.7
1.0s 7.00nm 4.5mb
GKN 36.28 97 P 47 31.06 -0.3
0.8s 17.00nm 5.0mb
DMN 36.84 97 P 47 35.96 -0.2
KKN 36.88 96 P 47 36.18 -0.3
0.8s 11.00nm 4.8mb
PKI 37.09 97 P 47 38.48 0.1
GUN 37.27 96 P 47 40.24 0.3
0.9s 38.00nm 5.2mb
GBA 40.20 122 Pc 48 01.70 -2.3
0.9s 4.80nm 4.3mb
LIC 54.67 245 (P) 49 52.60 -4.5X
FRB 63.13 332 eP 50 55.00 -0.2
S.D. = 1.2 on 25 of 31 obs.

% JUN 19, 1991 06h 57m 03.13±0.61s
40.447 N ± 4.6km 23.103 E ± 4.9km
DEPTH = 5.0km (geophysicist)
GREECE (364)

THE 0.21 330 iPd 57 07.09 -0.4
iS 57 10.25
SOH 0.42 27 iPd 57 11.74 0.2
iS 57 18.66
LIT 0.58 234 ePc 57 14.98 0.2
OUR 0.68 99 ePc 57 17.06 0.3
eS 57 28.18
PAIG 0.68 139 ePd 57 16.26 -0.5
eS 57 27.90
KNT 0.73 348 iPd 57 16.94 -0.8
GRG 0.74 314 ePd 57 18.46 0.6
SRS 0.77 29 ePc 57 18.90 0.4
S.D. = 0.6 on 8 of 8 obs.

& JUN 19, 1991 07h 18m 58.09s
46.074 N 122.097 W
DEPTH = 12.3km
WASHINGTON (29)
<SEA>. MD 2.6 (SEA).

CDFW 0.05 39 Pc 19 00.54 -0.2
HSR 0.12 329 Pc 19 01.46 0.0
ESD 0.13 343 Pc 19 01.55 -0.1
REM W 0.14 334 Pc 19 01.79 -0.1
SHW 0.15 321 Pc 19 01.89 -0.1
S 19 04.19
SOSW 0.17 350 Pc 19 02.01 -0.2
STD 0.19 332 Pc 19 02.26 -0.3
FL2 0.21 305 Pc 19 02.70 -0.3
LVP 0.22 269 Pc 19 02.55 -0.5
ERK 0.29 324 Pc 19 03.73 -0.6
S 19 07.99
TDL 0.29 343 Pc 19 03.87 -0.5
S 19 08.33
ASR 0.36 77 Pd 19 05.02 -0.6
S 19 10.19
GULW 0.38 113 Pd 19 05.37 -0.7
S 19 11.04
KOSW 0.39 351 Pd 19 05.57 -0.7
APM 0.45 139 Pc 19 06.51 -0.8
RVW 0.46 280 Pd 19 06.60 -0.9
S 19 13.04
CZM 0.46 322 Pc 19 06.69 -0.9
S 19 13.21
VLMM 0.54 176 P 19 08.24 -0.7
GLK 0.60 34 Pd 19 09.10 -0.9
LMW 0.61 347 P 19 09.66 -0.6
PGO 0.66 202 P 19 10.24 -0.7
VLL 0.68 154 P 19 10.70 -0.7
LON 0.70 16 Pd 19 10.81 -1.0
WPW 0.73 31 Pd 19 11.38 -0.9
RVC 0.87 6 Pd 19 13.89 -0.8
VFP 0.88 149 P 19 15.06 0.2
BMW 0.88 297 Pd 19 13.85 -1.0
GL2 0.90 97 Pd 19 14.53 -0.6
FMW 0.91 19 Pd 19 14.26 -1.1
GT2 0.93 188 Pd 19 14.65 -1.0
NLO 0.94 271 Pd 19 15.42 -0.5
GHW 0.98 353 P 19 15.69 -0.7

KMOR 1.07 246 Pd 19 16.75 -1.3
VBEM 1.08 160 P 19 17.83 -0.4
VGB 1.08 121 P 19 17.83 -0.4
NAC 1.10 53 P 19 18.18 -0.4
GSM 1.15 10 Pd 19 18.48 -1.0
CPW 1.15 322 P 19 18.57 -0.9
YAKW 1.18 67 P 19 20.06 0.2
CROR 1.34 144 P 19 22.78 0.2
EBG 1.35 51 P 19 22.76 0.1
MXC 1.35 67 P 19 22.45 -0.2
VTHM 1.40 129 P 19 23.24 -0.2
RMW 1.40 8 P 19 22.84 -0.6
TBM 1.51 43 P 19 25.46 0.5
SMW 1.51 326 P 19 24.69 -0.3
BRVW 1.52 74 P 19 25.07 0.0
GMW 1.55 342 P 19 24.86 -0.6
PATW 1.64 96 P 19 26.77 0.0
JBO 1.70 110 P 19 26.97 -0.7
BVW 1.70 64 P 19 28.32 0.6
MDW 1.71 71 P 19 28.08 0.3
RSW 1.77 79 P 19 29.03 0.3
VIPM 1.88 146 P 19 30.23 -0.2
WAH2 1.88 68 P 19 30.02 -0.3
GBL 1.90 73 P 19 30.65 0.1
BLN 2.02 343 P 19 32.51 0.1
JCW 2.12 3 P 19 34.59 0.8
EPH 2.14 52 P 19 35.80 1.7
HBO 2.24 184 P 19 36.42 0.8
HSO 2.64 196 P 19 42.41 1.1

61 obs. associated

JUN 19, 1991 07h 34m 36.63±0.26s
60.976 N ± 6.8km 166.639 E ± 4.1km
DEPTH = 19.0km (4 depth phases)
4.8mb (35 obs.) 4.5msz (8 obs.)
EASTERN SIBERIA (671)

YAK 17.50 290 eP 38 44.60 3.8X
iPP 38 53.00
iPPP 39 59.00
eS 42 02.00
iPcP 42 25.00
iSS 42 35.00
TTA 17.51 67 eP 38 43.30 2.3
BRW 17.71 39 eP 38 44.40 1.1
SDN 18.09 93 P 38 49.00 0.9
1.2s 166.67nm 5.1mb
IMA 18.16 57 ePc 38 49.90 0.8
FBA 20.73 59 ePc 39 17.80 -0.3
KDC 20.83 81 eP 39 21.40 2.3
PMR 20.96 69 eP 39 21.20 0.8
TOA 22.13 66 ePc 39 32.40 0.1
KLU 22.45 68 P 39 36.00 0.5
MDJ 27.24 250 eP 40 26.00 5.0X
N 15s 1.30um
E 15s 1.70um
MBC 28.38 29 eP 40 31.00 0.0
0.9s 6.00nm 4.3mb
NIIJ 29.44 229 P 40 40.20 -0.7
CN2 29.79 254 eP 40 44.00 0.0
1.0s 10.00nm 4.6mb
Z 15s 3.50um 5.1mszX
N 14s 1.00um
E 14s 0.80um
epP 40 50.00 21km
MAT 30.35 229 iPc 40 48.00 -1.1
1.1s 58.23nm 5.3mb
Z 20s 0.71um 4.3msz
eS 45 40.00
MTMJ 30.47 230 eP 40 49.40 -0.8
CHJJ 30.51 228 P 40 49.50 -0.9
TSRJ 32.08 232 P 41 03.40 -0.8
SNY 32.19 253 eP 41 04.40 -0.7
IRK 34.12 284 eP 41 29.30 7.5X
YKA 35.18 52 eP 41 29.80 -0.9
BJI 37.08 259 eP 41 48.50 1.5
Z 14s 0.88um 4.7mszX
N 12s 0.70um
HHC 38.68 264 P 42 00.40 -0.2
Z 16s 0.70um 4.6mszX
N 14s 0.70um
E 13s 0.90um
BTO 39.63 266 eP 42 09.50 1.0
N 12s 0.50um
E 11s 0.50um
esP 42 17.50
eS 48 14.50

TIA 39.69 254 eP 42 11.20 2.3
Z 18s 0.80um 4.6msz
N 14s 0.80um
E 14s 0.70um
TIY 40.71 260 eP 42 20.00 2.6
Z 14s 0.95um 4.8mszX
N 15s 0.91um
PNT 41.46 72 eP 42 23.00 -0.3
0.7s 13.00nm 4.8mb
NJ2 42.33 249 Pc 42 31.00 0.5
Z 20s 0.60um 4.5msz
E 17s 2.20um
NEW 43.36 71 P 42 38.80 -0.1
1.0s 13.75nm 4.7mb
SES 44.56 65 eP 42 48.00 -0.6
FFC 45.23 55 eP 42 53.00 -0.8
0.9s 17.00nm 5.0mb
GTA 45.52 273 eP 42 57.00 0.5
0.8s 20.00nm 5.1mb
Z 16s 1.16um 4.9mszX
E 11s 0.95um
pP 43 02.40 18km
sP 43 07.00
LZH 46.17 267 eP 43 02.60 0.9
1.0s 14.00nm 4.9mb
Z 20s 0.89um 4.7msz
N 15s 1.33um
E 14s 1.44um
pP 43 09.00 21km
sP 43 11.60
eS 49 48.00
KEV 46.44 342 eP 43 09.00 5.8X
WDC 46.55 82 e(P) 43 06.40 2.0
MIN 47.18 82 e(P) 43 07.50 -2.1
LRM 47.32 70 eP 43 14.10 3.3X
WMQ 47.93 287 P 43 16.10 0.7
1.0s 10.00nm 4.8mb
Z 16s 0.60um 4.7mszX
pP 43 29.50 50kmX
sS 53 03.50
SOD 48.67 341 eP 43 20.00 -0.6
FRB 48.84 29 eP 43 21.00 -1.0
CMB 49.58 83 e(P) 43 28.00 -0.1
CD2 50.41 263 P 43 34.60 0.1
E 13s 1.40um
eS 50 39.00
FRI 50.73 83 eP 43 37.60 0.8
BW06 50.99 70 P 43 37.90 -1.1
0.8s 8.87nm 4.7mb
TNP 51.07 80 P 43 38.50 -1.2
0.8s 5.39nm 4.5mb
RSSD 52.43 65 P 43 47.80 -2.1
0.8s 15.02nm 5.0mb
CLC 52.69 82 eP 43 49.00 -2.8
GSC 53.49 82 eP 44 01.00 3.3X
SBB 53.49 83 eP 44 01.00 3.3X
MWC 53.75 84 eP 44 13.00 13.3X
TPC 54.82 82 eP 44 09.00 1.6
PLM 55.04 83 eP 44 11.00 1.8
NUR 55.35 338 eP 44 10.00 -0.8
BAR 55.68 84 eP 44 25.00 11.4X
KMI 55.73 260 eP 44 14.00 -0.3
GLA 56.27 82 eP 44 20.00 2.1
OBN 57.72 329 eP 44 27.00 -0.8
Z 16s 0.50um 4.7mszX
ALO 58.71 74 eP 44 37.00 1.7
0.9s 5.88nm 4.7mb
GAR 59.65 296 eP 44 41.10 -0.6
TUL 62.77 65 eP 45 00.70 -1.9
0.8s 8.00nm 4.9mb
Z 20s 2.20um 5.3msz
LR 09 47.00
CHG 62.92 260 eP 45 03.80 0.0
FVM 63.33 60 P 45 04.50 -1.8
EKA 63.76 354 Pc 45 09.20 0.4
0.7s 6.20nm 4.9mb
ELC 64.43 59 P 45 11.10 -2.4
CLL 66.09 342 iPc 45 23.80 -0.1
1.2s 13.00nm 5.0mb
SPC 66.90 337 eP 45 30.20 0.8
PRU 67.13 341 eP 45 31.00 0.4
ZST 68.43 339 eP 45 44.60 5.8X
e 06 17.50
i 17 59.00
MLR 69.20 332 eP 45 45.00 1.3
e 55 09.00
CMP 69.62 332 ePc 45 50.00 3.9X

FLN	70.12	351	eP	45	48.50	-0.6	NCG	1.29	12	ePd	36	32.51	-0.8	MMB	1.10	173	iPg	25	44.00	2.2
	1.0s	20.00nm			5.2mb				eS		36	51.52				Sg		25	59.00	
Z	20s	0.20um			4.4msz		CDD	1.31	202	iPd	36	31.81	-1.5	RZN	1.32	139	iPd	25	44.00	-1.6
HAU	70.21	346	eP	45	49.50	-0.2	SYI	1.55	174	iPd	36	35.25	-1.1			iPg		25	47.00	
	0.8s	5.35nm			4.7mb				eS		36	55.95				iS		26	02.00	
Z	20s	0.20um			4.4msz		SEW	1.63	90	eP	36	35.64	-1.8			iSg		26	04.00	
LDF	70.26	351	eP	45	49.40	-0.5	SUA	1.64	35	iPd	36	37.18	-0.5	PVL	1.41	67	iP	25	47.00	0.2
	1.0s	12.00nm			5.0mb				eS		36	58.46		KDZ	1.73	126	iP	25	46.00	-5.4X
GRR	70.52	351	eP	45	51.10	-0.4	SVW	1.73	305	iPc	36	37.40	-1.4			iS		26	17.00	
	1.0s	16.00nm			5.1mb		PMS	1.90	53	iPd	36	40.32	-0.8	S.D. = 1.7 on 6 of 7 obs.						
LPF	70.89	351	eP	45	53.60	-0.1	SKT	1.93	17	iPd	36	40.20	-1.2	* JUN 19, 1991 08h 28m 54.67±1.66s						
	0.8s	10.75nm			5.0mb		PWA	2.05	41	eP	36	42.50	-0.5	34.008 N ±16.6km 24.972 E ±13.3km						
LOR	71.21	348	eP	45	55.30	-0.5	PLRM	2.28	49	ePc	36	44.17	-1.8	DEPTH = 33.0km (normol)						
	0.8s	10.05nm			5.0mb		PMR	2.28	49	eP	36	44.70	-1.3	3.8mb (2 obs.)						
Z	22s	0.22um			4.4msz		KDC	2.41	177	ePd	36	45.30	-2.5	CRETE (370)						
SSF	71.45	348	eP	45	57.10	-0.1	LTI	2.44	90	ePc	36	45.75	-2.4							
	1.0s	8.00nm			4.8mb		KNK	2.45	57	iPc	36	46.32	-2.0	YER	4.12	40	iPn	29	57.50	0.5
LBF	71.48	348	eP	45	56.70	-0.7	GHO	2.47	47	ePd	36	46.97	-1.7	CIN	4.39	34	eP	30	01.00	0.3
	1.0s	8.00nm			4.8mb		KNIM	2.49	83	eP	36	45.97	-3.0	ELL	4.87	54	iPn	30	08.70	1.0
AVF	71.74	348	eP	45	58.60	-0.3	MTU	2.54	91	ePc	36	47.51	-2.1	AGG	5.44	338	ePc	30	17.70	2.2
	0.8s	8.05nm			4.8mb		CUT	2.56	26	eP	36	48.89	-0.9			eS		31	17.58	
SMF	71.83	348	eP	45	59.10	-0.4	SML	2.71	50	iPc	36	50.01	-2.0	PAIG	6.00	350	ePc	30	21.58	-1.8
	0.8s	5.35nm			4.7mb		GLI	2.87	73	eP	36	50.48	-3.7	CSS	6.97	80	eP	30	35.50	-1.6
TCF	72.35	349	eP	46	02.40	-0.2	SCM	3.12	55	ePd	36	55.56	-2.1	HOL	9.80	116	ePc	31	17.00	0.6
	0.8s	6.05nm			4.7mb		VZW	3.17	71	ePc	36	54.91	-3.4			S		32	57.00	
MAF	72.38	348	eP	46	02.80	0.1	HUR	3.20	26	eP	36	57.12	-1.6	NAO	28.35	345	P	34	45.70	-1.7
	1.0s	8.00nm			4.7mb		TTA	3.21	332	eP	36	57.10	-1.8		0.4s	0.80nm			3.8mb	
LPL	72.62	345	eP	46	04.60	0.2	VLZ	3.30	70	ePc	36	56.90	-3.0	EKA	28.90	326	Pd	34	58.00	5.6X
	0.8s	5.35nm			4.6mb				eS		37	33.33			0.6s	1.70nm			3.9mb	
LPG	72.63	345	eP	46	05.10	0.5	MID	3.30	100	eP	36	58.29	-1.7	SCH	63.94	320	eP	39	27.00	0.5
	1.0s	10.00nm			4.8mb		TRF	3.51	18	ePd	37	01.93	-1.2	S.D. = 1.6 on 9 of 10 obs.						
MMB	73.41	332	eP	45	59.00	-9.8X	KLU	3.59	65	iPc	37	01.18	-3.0	? JUN 19, 1991 09h 13m 57.24±11.12s						
		i			46 04.00	16km	TOA	3.73	55	iPd	37	05.00	-1.1	39.120 N ±78.0km 27.571 E ±32.4km						
CAF	73.71	349	eP	46	11.00	0.5	RND	3.75	28	eP	37	04.95	-1.4	DEPTH = 10.0km (geophysicist)						
	0.8s	6.70nm			4.7mb		TZL	4.02	59	eP	37	07.49	-2.5	TURKEY (366)						
LPO	74.03	349	eP	46	12.60	0.2	SDG	4.20	52	eP	37	10.09	-2.4	MD 2.8 (ISK).						
	0.8s	8.05nm			4.8mb		PAX	4.48	48	eP	37	14.32	-2.1	EZN	1.19	307	iPn	14	19.90	0.4
TOL	79.21	353	eP	46	47.00	5.6X	GLB	4.55	70	ePc	37	13.79	-3.6	EDC	1.25	10	iPn	14	20.50	0.1
WB2	84.73	210	iPc	47	09.60	-0.6	NEA	4.76	19	eP	37	18.12	-2.1	BNT	1.26	12	ePn	14	21.50	0.8
	0.8s	11.90nm			5.2mb		CROM	4.78	78	eP	37	18.44	-2.3	KGT	1.35	351	iPn	14	22.80	0.8
WRA	84.73	210	P	47	09.00	-1.2	WRH	4.85	24	ePd	37	19.09	-2.4	MFT	1.68	352	ePn	14	27.30	0.4
	0.9s	12.90nm			5.2mb		TGL	4.93	79	eP	37	20.07	-2.7	S.D. = 0.4 on 5 of 5 obs.						
MAW	148.30	225	ePKP	54	21.00	3.3X	CCB	5.06	25	eP	37	21.84	-2.6	% JUN 19, 1991 09h 43m 52.91±0.84s						
	0.9s	8.00nm					RDS	5.15	22	eP	37	23.28	-2.5	44.439 N ±6.5km 7.409 E ±8.0km						
SPA	150.81	180	iPKPd	54	26.50	4.7X	BALM	5.19	76	ePc	37	23.23	-3.1	DEPTH = 10.0km (geophysicist)						
	1.0s	13.00nm					MDM	5.26	21	eP	37	24.18	-3.0	NORTHERN ITALY (545)						
S.D. = 1.1 on 77 of 92 obs.							FBA	5.29	23	ePc	37	25.60	-2.0	ML 1.9 (GEN).						
* JUN 19, 1991 07h 36m 09.55s							GLM	5.45	25	eP	37	27.16	-2.7	STV	0.20	197	P	43	57.37	-0.1
60.144 N 152.712 W							CTGM	5.67	77	eP	37	30.76	-2.3			S		43	59.93	
SOUTHERN ALASKA (2)							IMA	5.96	356	ePc	37	35.30	-1.8	ENR	0.21	178	P	43	57.06	-0.5
<AEIC>.							PNL	6.72	88	eP	37	43.84	-3.5			S		43	59.63	
							SIT	9.58	101	eP	38	23.40	-3.0	PZZ	0.23	287	P	43	58.60	0.7
							71 obs. associated								S		44	02.50		
RSO	0.32	356	iPc	36	23.11	-0.6	? JUN 19, 1991 08h 05m 43.25±2.17s							ROB	0.36	113	P	44	00.86	0.5
RS2	0.32	356	iPc	36	23.10	-0.6	36.285 N ±13.8km 140.177 E ±21.2km									S		44	06.70	
RDW	0.34	352	iPc	36	23.08	-0.7	DEPTH = 100.3 ± 18.6 km							BHB	0.42	346	P	44	00.86	-0.6
REF	0.35	1	iPc	36	23.26	-0.6	4.3mb (5 obs.)									S		44	08.75	
RDN	0.37	356	iPc	36	23.33	-0.6	NEAR EAST COAST OF HONSHU, JAPAN(228)							S.D. = 0.8 on 5 of 5 obs.						
			eS	36	34.35		MAT	1.61	280	iPd	06	11.30	0.0	JUN 19, 1991 10h 10m 42.72±0.92s						
NCT	0.43	346	iPc	36	23.54	-0.7			iS		06	34.60		9.053 S ±8.9km 74.845 W ±7.8km						
			eS	36	34.23		GUN	46.24	276	P	14	00.00	-0.5	DEPTH = 146.4 ± 12.6 km						
DFR	0.45	2	iPc	36	23.63	-0.7	FBA	50.26	32	P	14	31.20	0.5	4.5mb (6 obs.)						
RDT	0.46	19	iPc	36	23.73	-0.7			0.8s	3.80nm		4.5mb		(116)						
			eS	36	34.84		WB2	56.19	187	eP	15	16.10	1.2							
NNL	0.72	98	iPc	36	26.68	0.1			0.5s	1.70nm		4.3mb								
HOM	0.73	132	iPc	36	26.33	-0.3	WRA	56.19	187	P	15	14.00	-1.0							
			eS	36	39.61				0.7s	1.00nm		4.0mb								
PDB	0.83	245	iPd	36	26.64	-1.0			64.95	30	eP	16	12.80	-1.1						
			eS	36	40.21		YKA	70.14	332	eP	16	46.60	0.3							
XLV	0.85	144	ePc	36	27.07	-0.9	NUR		0.3s	2.80nm		4.6mb								
			eS	36	41.18		NAO	74.77	337	P	17	14.20	0.6							
AUE	0.86	203	iPd	36	26.99	-1.0			0.6s	1.50nm		4.0mb								
AUH	0.87	206	ePd	36	27.38	-0.8	S.D. = 1.0 on 8 of 8 obs.							PT10	3.66	215	eP	11	39.50	0.4
NKA	0.95	50	iPc	36	30.02	1.1	% JUN 19, 1991 08h 25m 21.13±1.49s								eS		12	20.00		
CNPM	0.97	129	iPc	36	28.43	-0.9	42.682 N ±13.9km 23.554 E ±8.4km						ZOBO	9.72	138	P	13	01.00	0.3	
			eS	36	43.81		DEPTH = 10.0km (geophysicist)						CNCB	10.21	140	P	13	07.00	-0.2	
CKL	1.07	10	iPd	36	29.87	-0.7	BULGARIA (359)						SIV	15.10	119	iPd	14	09.60	-0.3	
SPU	1.09	17	iPd	36	29.94	-0.8							SIV	18.31	13	e(P)	14	49.00	0.4	
			eS	36	46.10								UPA	18.51	345	eP	14	51.20	0.6	
BGL	1.13	8	iPd	36	30.77	-0.5							TOV	19.38	15	e(P)	14	59.40	-0.3	
CRP	1.16	13	ePd	36	31.07	-0.6							TUL	48.89	337	eP	19	14.60	-0.9	
			eS	36	47.84									0.8s	10.60nm</					

19d 10h

TNP 61.33 323 P 20 45.20 -0.2
 SES 67.04 336 ePd 21 21.30 -0.7
 FFC 67.51 343 eP 21 24.40 -0.4
 1.0s 12.00nm 4.7mb
 PNT 70.08 331 eP 21 42.00 1.3
 0.8s 6.00nm 4.5mb
 YKA 77.64 342 eP 22 23.60 -0.4
 MBC 89.04 350 ePc 23 23.50 1.8
 1.0s 12.00nm 4.9mb
 WRA 139.31 225 PKP 29 55.00 0.0
 0.7s 2.10nm
 S.D. = 0.8 on 18 of 18 obs.

? JUN 19, 1991 10h 16m 19.07±0.68s
 18.128 N ±35.9km 147.720 E ±62.9km
 DEPTH = 33.0km (normal)
 4.6mb (3 obs.)

MARIANA ISLANDS REGION (215)

PJG 5.28 212 e(P) 17 38.80 1.0
 GUMD 5.28 212 e(P) 17 36.50 -1.3
 GUA 5.30 211 e(P) 17 39.20 1.1
 0.8s 3.90nm 4.2mb
 WB2 40.04 200 iPc 23 52.40 -0.6
 0.3s 3.50nm 4.6mb
 ASPA 43.68 198 eP 24 22.00 -0.7
 0.8s 3.90nm 4.2mb
 MBC 73.22 14 eP 27 47.50 -0.7
 YKA 77.59 28 eP 28 12.60 -0.6
 SES 83.17 39 eP 28 44.00 0.7
 FFC 86.53 33 eP 29 01.00 1.1
 0.7s 4.00nm 4.8mb
 ZOBO 145.74 92 PKP 36 04.00 6.6X
 S.D. = 1.1 on 9 of 10 obs.

? JUN 19, 1991 10h 49m 51.69±7.31s
 39.508 N ±58.2km 29.530 E ±30.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.7 (ISK).

EYL 1.16 24 ePn 50 13.50 0.0
 HRT 1.32 5 iPn 50 16.00 0.0
 BNT 1.50 305 ePn 50 19.00 0.3
 EDC 1.53 304 ePn 50 19.00 -0.1
 KGT 1.95 300 ePn 50 25.00 -0.2
 S.D. = 0.3 on 5 of 5 obs.

& JUN 19, 1991 10h 59m 39.48s
 60.664 N 151.656 W
 DEPTH = 71.3km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>.

NKA 0.22 69 iPc 59 51.89 1.4
 RDT 0.38 257 iPd 59 50.83 -0.8
 0.8s 0.04.9
 DFR 0.51 262 eP 59 52.11 -0.7
 REF 0.55 252 iPc 59 52.61 -0.6
 0.8s 0.03.51
 SPU 0.55 340 ePd 59 52.18 -1.0
 RDN 0.57 255 iPc 59 52.57 -0.8
 0.8s 0.03.05
 RSO 0.58 250 ePc 59 52.94 -0.7
 0.8s 0.03.78
 RS2 0.58 250 ePc 59 52.97 -0.7
 0.8s 0.03.80
 RDW 0.60 253 ePc 59 53.10 -0.7
 0.8s 0.04.06
 CKL 0.63 328 iPd 59 53.29 -0.8
 0.8s 0.05.09
 NCT 0.64 261 eP 59 53.24 -0.9
 0.8s 0.04.88
 >NNL 0.65 164 iPd 59 54.71 0.6
 CRP 0.65 338 ePd 59 53.89 -0.5
 0.8s 0.05.33
 CGLM 0.67 345 eP 59 53.69 -0.7
 BGL 0.70 330 ePd 59 54.11 -0.7
 SLKM 0.73 102 eP 59 54.56 -0.5
 NCG 0.78 342 ePc 59 55.10 -0.7
 0.8s 0.07.49
 SUA 0.92 29 iPc 59 56.92 -0.5
 0.8s 0.10.23
 CNPM 1.16 169 iPd 59 59.81 -0.6
 0.8s 0.15.18
 PMS 1.18 59 ePc 00 00.26 -0.4
 0.8s 0.16.16

SEW 1.23 116 eP 00 00.47 -0.8
 S 00 16.61
 PWA 1.31 40 ePc 00 02.45 0.1
 eS 00 19.97
 SKT 1.32 3 iPd 00 01.67 -0.9
 eS 00 19.03
 PLRM 1.54 52 ePc 00 04.17 -1.2
 PDB 1.54 236 eP 00 03.71 -1.7
 eS 00 22.00
 GHD 1.73 49 ePc 00 06.08 -1.2
 KNK 1.73 63 iPc 00 06.05 -1.2
 eS 00 27.48
 CUT 1.87 20 eP 00 08.47 -1.4
 KNIM 1.97 98 ePc 00 08.61 -2.6
 eS 00 32.53
 SML 1.98 53 eP 00 09.08 -1.6
 LTI 1.99 107 eP 00 09.58 -2.0
 CDD 2.01 211 eP 00 11.19 -0.7
 VZW 2.53 79 eP 00 16.39 -2.7
 VLZ 2.64 77 ePc 00 18.23 -2.4
 KLU 2.91 71 iPc 00 22.08 -2.4
 TOA 3.01 59 eP 00 24.70 -1.1
 GLB 3.89 75 eP 00 35.11 -3.1
 BALM 4.57 81 eP 00 44.64 -3.1
 MDM 4.59 19 eP 00 45.26 -2.7
 39 obs. associated

? JUN 19, 1991 11h 11m 23.42±1.80s
 17.497 S ±56.3km 177.847 W ±39.8km
 DEPTH = 329.2 ± 27.4 km
 4.6mb (5 obs.)

FIJI ISLANDS REGION (181)

AFI 6.85 59 iPd 13 04.00 -0.3
 DZM 15.47 250 iPc 14 49.70 2.9
 BRS 28.82 245 iP 16 54.00 -0.2
 CAN 34.38 232 eP 17 41.20 -0.8
 CMS 35.69 240 eP 17 52.80 -0.3
 STK 39.30 241 iPc 18 23.10 0.2
 0.4s 6.60nm 4.3mb
 WB2 45.22 259 iPd 19 10.10 -0.6
 0.6s 18.20nm 4.5mb
 WRA 45.23 259 P 19 09.00 -1.8
 0.4s 10.20nm 4.4mb
 ASPA 45.42 254 iPc 19 12.00 -0.3
 0.5s 95.50nm 5.3mb
 iS 25 23.90
 WARB 51.92 250 iPc 20 00.90 -0.7
 0.5s 28.00nm 4.9mb
 FBA 85.29 12 (P) 23 23.50 -0.8
 CLL 145.18 348 e(PKP) 30 26.00 2.8
 CDF 148.88 353 ePKP 30 36.80 7.4X
 0.6s 3.60nm
 LDF 148.93 3 ePKP 30 36.80 7.4X
 0.4s 2.30nm
 GRR 149.09 4 ePKP 30 37.40 7.8X
 0.4s 2.85nm
 HAU 149.38 354 ePKP 30 37.90 7.8X
 0.6s 3.60nm
 LPF 149.43 4 ePKP 30 38.20 8.1X
 0.4s 2.85nm
 BSF 149.51 354 ePKP 30 38.10 7.7X
 0.6s 2.70nm
 LOR 150.28 358 ePKP 30 40.20 8.7X
 0.6s 6.30nm
 SSF 150.50 358 ePKP 30 40.80 9.0X
 0.4s 2.60nm
 S.D. = 1.6 on 12 of 20 obs.

? JUN 19, 1991 11h 23m 40.12±1.11s
 40.259 N ±8.0km 23.493 E ±11.4km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

PAIG 0.36 157 ePd 23 47.56 0.0
 eS 23 53.52
 OUR 0.38 78 ePc 23 47.84 -0.1
 iS 23 53.72
 SOH 0.57 349 iPc 23 50.66 -1.1
 eS 23 59.46
 SRS 0.86 5 ePc 23 57.48 0.8
 eS 24 09.48
 KNT 1.01 334 ePd 23 59.60 0.4
 S.D. = 1.0 on 5 of 5 obs.

* JUN 19, 1991 11h 26m 58.32±1.66s
 42.848 N ±14.6km 24.078 E ±11.3km

DEPTH = 10.0km (geophysicist)
 BULGARIA (359)

PLD 0.87 148 iP 27 14.00 -1.1
 i 27 15.00
 eSg 27 25.00
 i 27 26.00
 PVL 0.99 68 iPc 27 17.00 -0.1
 Pg 27 18.00
 iS 27 22.00
 iSg 27 34.00
 KKB 1.23 217 iP 27 20.00 -1.1
 iPg 27 21.00
 eS 27 35.00
 iSg 27 39.00
 MMB 1.28 192 eP 27 23.00 0.8
 DIM 1.34 126 ePg 27 25.00 2.0X
 KDZ 1.56 140 iP 27 27.00 0.9
 iS 27 47.00
 VAY 1.89 217 ePn 27 31.60 0.6
 S.D. = 1.2 on 6 of 7 obs.

* JUN 19, 1991 11h 38m 23.39±0.38s
 20.134 S ±6.5km 133.952 E ±6.4km
 DEPTH = 10.0km (geophysicist)
 5.2mb (21 obs.)

NORTHERN TERRITORY, AUSTRALIA (591)

WB2 0.42 64 iPd 38 32.40 0.4
 0.7s 669.00nm
 ASPA 3.52 181 iPc 39 26.60 7.4X
 0.3s 1379.20nm
 S 40 00.90
 QIS 5.32 96 eP 39 45.00 0.1
 KNA 6.58 311 iPd 40 00.70 -2.0
 MTN 7.73 339 iPd 40 14.40 -4.4X
 WARB 9.02 227 iPc 40 40.00 3.3X
 CTAO 11.56 92 iPc 41 09.20 -2.4
 e(PP) 41 42.10
 eS 42 35.00
 e 44 03.00
 FORR 11.90 205 eP 41 18.10 2.0
 eS 43 28.00
 STK 13.56 151 eP 41 37.10 -1.1
 0.4s 104.10nm 6.2mb
 iS 44 04.50
 ADE 15.36 165 eP 42 01.00 -0.9
 0.8s 208.96nm 5.5mb
 e 42 10.00
 CMS 15.55 139 eP 42 03.20 -1.1
 i 42 10.80
 eS 44 48.30
 COOL 15.74 225 iPc 42 05.00 -1.8
 0.3s 35.00nm 5.1mb
 eS 44 54.00
 NANU 17.33 259 eP 42 26.00 -1.0
 KLB 18.48 229 eP 42 39.70 -1.6
 0.3s 28.00nm 4.9mb
 eS 45 57.00
 MRWA 18.64 237 eP 42 41.70 -1.6
 0.3s 30.00nm 5.0mb
 eS 45 53.70
 BRS 18.67 116 iPd 42 41.50 -2.2
 i(S) 46 40.00
 BAL 18.73 233 eP 42 42.30 -2.0
 0.3s 25.00nm 4.9mb
 eS 46 05.00
 BWA 19.15 141 iPc 42 54.10 4.6X
 NWA0 19.61 226 eP 42 54.00 -1.0
 0.3s 27.00nm 5.0mb
 eS 46 22.00
 MUN 19.80 230 eP 42 56.40 -0.5
 0.4s 339.00nm 6.0mb
 eS 46 27.70
 TOO 20.07 152 iPc 43 03.30 3.5X
 eS 46 33.00
 CAN 20.12 142 eP 43 02.70 2.4
 CNB 20.33 141 eP 43 04.00 1.5
 eS 46 53.00
 RIV 20.48 135 eP 43 07.00 2.9X
 RKG 20.77 223 eP 43 10.00 2.9X
 0.3s 28.00nm 5.1mb
 eS 46 50.00
 CSY 48.58 192 eP 47 11.80 3.2X
 0.3s 15.10nm 5.5mb
 CHG 51.73 316 ePc 47 34.10 0.8
 0.9s 13.03nm 4.9mb

CHJJ 56.08 5 P 48 02.20 -2.8
 KAKJ 56.34 6 eP 48 05.30 -1.5
 MAT 56.51 4 iPc 48 05.50 -2.6
 0.9s 7.56nm 4.7mb
 NIJJ 57.26 5 P 48 11.90 -1.5
 TIA 58.26 344 eP 48 19.20 -1.2
 YAMJ 58.28 6 P 48 19.50 -1.0
 CD2 58.46 330 P 48 22.00 0.0
 0.7s 37.00nm 5.6mb
 OFUJ 59.34 7 eP 48 26.60 -1.3
 TIY 61.00 341 eP 48 37.40 -2.0
 LZH 62.76 333 eP 48 52.50 1.2
 1.0s 14.00nm 5.1mb
 KOD 63.24 293 eP 48 56.50 1.4
 HHC 64.14 341 eP 48 58.20 -2.1
 LSA 64.46 319 P 49 04.20 1.2
 GBA 64.91 296 Pd 49 06.80 1.2
 0.6s 5.00nm 4.9mb
 GUN 66.65 314 P 49 18.20 1.2
 0.4s 43.00nm 5.9mb
 PKI 66.75 314 P 49 18.58 0.9
 KKN 66.98 314 P 49 20.16 1.2
 0.6s 47.00nm 5.8mb
 DMN 66.98 313 P 49 20.16 1.1
 0.6s 24.00nm 5.6mb
 GTA 67.28 332 iPc 49 21.80 1.3
 1.0s 10.00nm 5.0mb
 GKN 67.55 313 P 49 23.48 1.0
 SPA 69.99 180 iPd 49 39.50 2.5
 1.0s 17.00nm 5.1mb
 WMO 76.46 327 Pc 50 16.50 1.4
 1.0s 35.00nm 5.4mb
 TNP 116.71 57 PKP 57 12.20 2.1
 YKA 117.55 29 ePKP 57 10.80 0.2
 GOL 125.98 55 PKP 57 30.00 2.0
 0.9s 7.58nm
 WTTA 126.35 314 iPKPc 57 28.80 0.5
 0.6s 12.10nm
 id 57 29.70
 BSF 129.44 316 ePKP 57 35.40 1.3
 0.8s 5.35nm
 LOR 131.50 316 ePKP 57 39.80 1.9
 0.6s 3.60nm
 SSF 131.79 316 ePKP 57 40.60 2.2
 0.4s 3.45nm
 LPF 134.39 318 ePKP 57 45.60 2.3
 0.4s 5.15nm
 UPA 145.82 104 ePKP 58 07.40 2.6X
 S.D. = 1.6 on 49 of 58 obs.
 JUN 19, 1991 12h 13m 56.86±0.85s
 42.628 N ± 8.1km 24.173 E ± 4.7km
 DEPTH = 10.0km (geophysicist)
 BULGARIA (359)
 PGB 0.08 184 iPg 13 58.00 -1.4
 PLD 0.65 143 iPg 14 09.00 -0.9
 iSg 14 15.00
 i 14 18.00
 VTS 0.71 267 iPg 14 10.00 -1.0
 iSg 14 19.00
 RZN 1.02 157 iPc 14 15.00 -1.3
 iPg 14 18.00
 iSg 14 29.00
 PVL 1.04 55 iPd 14 16.00 -0.4
 iSg 14 28.00
 i 14 33.00
 MMB 1.09 198 ePg 14 17.00 -0.4
 eSg 14 32.00
 i 14 34.00
 KKB 1.11 227 iP 14 16.00 -1.7
 DIM 1.16 119 eP 14 20.00 1.4
 iS 14 37.00
 KDZ 1.35 136 iPg 14 22.00 0.4
 iSg 14 39.00
 SRS 1.57 196 ePd 14 25.36 0.5
 iS 14 47.80
 KNT 1.75 213 ePc 14 28.28 0.9
 eS 14 52.28
 VAY 1.77 223 ePn 14 28.80 1.1
 SOH 1.91 199 ePd 14 30.60 0.9
 eS 14 58.64
 SKO 2.13 253 ePn 14 36.50 3.5X
 GRG 2.13 219 iPc 14 33.68 0.7
 THE 2.19 205 ePc 14 37.28 3.5X
 ALN 2.23 140 ePc 14 38.76 4.4X
 eS 15 07.76

OUR 2.30 184 ePd 14 39.36 4.0X
 eS 15 11.04
 FNA 2.79 230 ePc 14 43.76 1.3
 OHR 2.94 240 ePn 14 57.00 12.5X
 MFT 2.97 127 ePn 14 45.00 0.1
 KGT 3.20 132 ePn 14 48.00 -0.2
 S.D. = 1.1 on 17 of 22 obs.
 ? JUN 19, 1991 14h 34m 37.43±7.81s
 43.531 N ± 52.8km 5.748 E ± 38.3km
 DEPTH = 10.0km (geophysicist)
 NEAR SOUTH COAST OF FRANCE (379)
 ML 3.3 (LDG). MD 2.7 (STR).
 CDR 0.14 5 ePg 34 39.10 -1.7
 CALN 0.86 75 Pg 34 54.37 0.3
 MVIF 1.08 70 Pn 34 57.95 0.1
 Sg 35 17.80
 TOUF 1.19 66 Pn 34 59.70 0.0
 Sg 35 20.14
 REVF 1.19 79 Pg 35 00.50 0.8
 AURF 1.20 72 Pn 34 59.44 -0.4
 Sg 35 21.24
 AUTN 1.30 69 Pn 35 01.91 0.2
 Sg 35 24.38
 SAOF 1.39 70 Pn 35 01.91 -0.9
 DOI 1.45 48 P 35 03.90 0.1
 eSg 35 26.70
 BNI 1.66 23 P 35 08.50 1.7
 eSg 35 31.20
 CKI 2.03 63 P 35 12.00 -0.1
 eSg 35 36.70
 S.D. = 1.0 on 11 of 11 obs.
 JUN 19, 1991 15h 07m 44.87±0.60s
 41.758 N ± 5.9km 142.826 E ± 7.8km
 DEPTH = 63.0 ± 6.5 km
 4.6mb (10 obs.)
 HOKKAIDO, JAPAN REGION (224)
 HOOJ 0.71 29 iP+ 07 59.00 -0.6
 eS 08 08.90
 MRRJ 1.47 298 P 08 09.60 0.1
 eS 08 28.20
 KUSJ 1.93 46 iPd 08 15.40 -0.6
 eS 08 38.00
 AOMJ 2.20 238 P 08 21.20 1.4
 eS 08 50.80
 ASAJ 2.36 357 iP+ 08 22.90 0.9
 OFUJ 2.82 199 P 08 28.40 0.7
 S 09 02.90
 YAMJ 4.17 212 P 08 48.20 0.7
 NIJJ 5.39 214 P 09 04.90 0.2
 KAKJ 5.92 201 P 09 09.80 -2.2
 MAT 6.32 216 iPc 09 17.70 0.0
 0.6s 10.67nm 4.5mb
 eS 10 31.00
 CHJJ 6.44 209 P 09 18.20 -1.0
 MTMJ 6.47 219 P 09 20.50 0.7
 IIDJ 7.35 213 P 09 32.50 0.5
 S 10 58.60
 TSRJ 8.20 223 P 09 45.70 2.1
 MDJ 10.08 291 eP 10 12.60 3.2X
 CN2 12.93 285 eP 10 47.00 -0.5
 Z 16s 0.30um
 eS 13 13.00
 BJI 20.20 274 eP 12 14.00 -2.8
 1.0s 7.00nm 3.9mb
 TIA 20.70 263 eP 12 19.90 -2.1
 YAK 21.76 343 eP 12 28.90 -3.5X
 TIY 23.66 270 eP 12 49.00 -2.3
 WHN 25.46 253 Pc 13 09.50 1.1
 XAN 27.71 265 eP 13 28.50 -0.6
 GTA 32.50 280 P 14 12.20 0.6
 WMO 39.88 292 P 15 14.50 0.5
 1.0s 8.00nm 4.6mb
 GUN 47.93 272 P 16 20.08 0.8
 PKI 48.46 272 P 16 23.58 0.2
 DMN 48.67 272 P 16 25.46 0.6
 0.7s 23.00nm 5.3mb
 GKN 48.81 273 P 16 26.28 0.5
 0.4s 12.00nm 5.2mb
 YKA 59.20 32 eP 17 40.90 -0.4
 WRA 61.89 189 P 17 59.00 -0.9
 1.1s 1.90nm 4.1mb
 FFC 69.17 34 eP 18 46.00 -0.3
 0.8s 9.00nm 4.8mb

NAO 70.54 337 P 18 54.20 -0.4
 0.8s 4.50nm 4.5mb
 TNP 72.22 55 P 19 06.20 0.9
 AVF 84.76 333 eP 20 14.20 1.1
 0.6s 2.70nm 4.5mb
 MAF 85.52 334 eP 20 28.40 11.4X
 0.8s 5.35nm
 CAF 86.83 333 eP 20 25.30 1.8
 0.8s 6.70nm 4.9mb
 S.D. = 1.2 on 33 of 36 obs.
 % JUN 19, 1991 15h 27m 27.04±0.74s
 40.687 N ± 6.4km 27.534 E ± 5.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.6 (ISK).
 MFT 0.22 297 iPg 27 31.60 -0.2
 KGT 0.29 217 iPg 27 33.50 0.3
 eSg 27 38.50
 EDC 0.42 143 iPg 27 35.50 -0.2
 iSg 27 42.00
 BNT 0.44 138 iPg 27 36.00 -0.1
 iSg 27 43.00
 CTT 0.82 56 iPg 27 43.10 0.2
 iSg 27 55.00
 EZN 1.26 227 ePn 27 50.40 -0.1
 S.D. = 0.3 on 6 of 6 obs.
 JUN 19, 1991 16h 25m 55.16±0.25s
 2.399 S ± 3.8km 134.406 E ± 5.8km
 DEPTH = 20.1km (3 depth phases)
 5.4mb (25 obs.)
 WEST IRIAN REGION (196)
 CENTROID, MOMENT TENSOR (HRV)
 Dato Used: GDSN
 L.P.B.: 15S, 28C
 Centroid Location:
 Origin Time 16:25:57.3 1.0
 Lot 2.54S 0.16 Lon 134.16E 0.10
 Dep 17.7 5.8 Half-duration 3.0
 Moment Tensor: Scale 10**16 Nm
 Mrr=-6.00 0.63 Mtt= 0.38 0.49
 Mff= 5.62 0.71 Mrt= 1.88 1.79
 Mrf= 1.16 1.74 Mtf= 3.02 0.58
 Principal Axes:
 T Vol= 7.25 Plg= 8 Azm=296
 N -0.73 12 27
 P -6.52 75 173
 Best Double Couple: Mo=6.9*10**16
 NP1: Strike= 12 Dip=38 Slip=-110
 NP2: 216 54 -75
 MNDI 9.95 112 eP 28 19.00 -1.4
 MNI 10.30 292 ePc 28 27.50 2.5
 MTN 10.87 197 eP 28 31.00 -1.8
 eS 30 30.00
 DAV 12.90 317 eP 29 00.20 0.0
 KNA 14.38 202 iPc 29 17.60 -2.1
 0.8s 149.00nm 5.6mb
 CGP 14.49 318 eP 29 26.00 4.8X
 1.5s 11.20nm 4.2mb X
 MAP 16.35 321 iPd 29 49.00 3.7X
 PLP 16.42 325 ePd 29 48.50 2.4
 WB2 17.44 180 iPc 29 56.70 -2.3
 1.0s 82.40nm 4.8mb
 eS 33 02.50
 TSM 17.60 292 eP 30 07.00 6.0X
 RAB 17.82 96 e(P) 30 04.00 0.2
 eS 33 40.00
 OIS 18.75 165 eP 30 13.00 -2.2
 iS 33 35.00
 PPR 19.75 308 ePd 30 27.00 0.1
 PGP 20.68 320 ePc 30 38.00 1.4
 ASPA 21.15 181 iPd 30 41.10 -0.4
 1.0s 394.60nm 5.8mb
 eS 34 33.60
 OCP 21.47 322 eP 30 56.20 11.5X
 BAG 23.15 324 eP 31 02.00 0.4
 1.6s 853.33nm 6.0mb
 e 35 16.00
 WARB 24.80 197 iPd 31 19.90 2.6
 0.4s 19.00nm 5.1mb
 BRS 30.44 146 iPd 32 09.00 0.2
 e 42 18.00
 CMS 30.87 161 eP 32 13.20 0.7
 COOL 30.98 203 eP 32 13.30 -0.2

19d 16h

KGM	31.39	278	eP	32	17.00	-0.3			eS	41	25.00		SNF	2.14	311	iP	42	56.20	4.9X
MRWA	31.91	211	iPc	32	22.00	0.4			sS	41	45.00			S.D. = 0.6 on 8 of 10 obs.					
OIZ	32.20	312	P	32	23.40	-0.9				34	33.00	-0.5							
N	14s	0.80um																	
		eS		37	30.00														
		SS		39	21.00														
ADE	32.65	173	eP	32	28.30	0.2													
BAL	32.68	209	eP	32	29.30	1.0													
	0.6s	72.00nm				5.8mb													
KLB	33.01	207	eP	32	31.00	-0.2													
MUN	34.05	208	eP	32	41.00	0.8													
IPM	34.07	282	ePc	32	47.70	7.1X													
	1.0s	58.20nm				5.5mb													
NWAO	34.38	206	eP	32	43.00	-0.1													
Z	20s	0.70um				4.4Msz													
BWA	34.44	159	eP	32	42.50	-1.1													
SNG	35.04	286	eP	32	49.00	0.1													
		eS		38	20.50														
CAN	35.45	159	eP	32	53.80	1.5													
SSE	35.61	340	Pc	32	53.00	-0.5													
	1.4s	51.00nm				5.2mb													
Z	20s	0.70um				4.4Msz													
N	14s	0.40um																	
		ePP		34	17.00														
		eS		38	26.00														
RKG	35.88	205	eP	32	57.00														
TOO	36.45	165	e(P)	32	56.00	-4.7X													
		e		33	02.00	20km													
NJ2	37.31	338	Pc	33	09.60	1.8													
		S		38	46.00														
TSRJ	37.77	2	P	33	11.20	-0.4													
WHN	37.94	331	Pd	33	15.00	1.9													
	1.5s	100.00nm				5.4mb													
		pP		33	21.00	20km													
NST	38.36	299	eP	33	18.50	1.6													
MTMJ	38.91	4	P	33	19.80	-1.6													
GYA	39.26	319	P	33	25.00	0.5													
Z	30s	1.10um				4.5MszX													
KHT	39.36	297	eP	33	25.90	0.6													
NIIJ	39.67	6	P	33	27.20	-0.3													
BDT	40.00	301	eP	33	28.40	-2.2													
YAMJ	40.70	7	eP	33	36.00	-0.1													
CHG	40.75	303	ePd	33	36.80	0.0													
	1.0s	34.75nm				5.0mb													
KMI	41.12	314	Pd	33	39.50	-0.5													
	2.5s	160.00nm				5.3mb													
Z	24s	0.90um				4.6MszX													
		pP		33	50.00	36kmX													
		eS		39	44.00														
TIA	41.66	339	eP	33	43.60	-0.4													
DL2	42.76	345	eP	33	52.50	-0.4													
Z	20s	0.60um				4.5Msz													
E	14s	0.70um																	
		eSP		34	08.00														
		eS		40	10.00														
XAN	43.47	329	Pd	33	58.50	-0.3													
CD2	44.15	321	eP	34	02.60	-1.8													
	1.4s	48.00nm				5.1mb													
		eS		40	32.00														
TIY	44.81	335	Pd	34	06.40	-3.2X													
Z	22s	0.78um				4.6Msz													
E	11s	0.25um																	
MRRJ	45.02	7	eP	34	10.70	-0.5													
SNY	45.10	349	iPd	34	10.00	-1.8													
	6.0s	500.00nm				5.6mb X													
Z	26s	0.70um				4.5MszX													
		S		40	46.00														
HOOJ	45.29	9	eP	34	13.00	-0.3													
BJI	45.42	340	eP	34	13.50	-0.9													
	1.5s	88.00nm				5.5mb													
Z	24s	0.64um				4.5MszX													
		eS		40	50.00														
		eSS		44	04.00														
KUSJ	46.23	10	eP	34	20.40	-0.3													
CN2	46.69	351	eP	34	23.00	-1.4													
Z	22s	0.60um				4.5Msz													
		ePP		34	29.00	20km													
		eS		41	05.00														
ASAJ	46.89	8	eP	34	25.70	-0.3													
MDJ	47.00	355	eP	34	26.50	-0.3													
	1.0s	16.00nm				5.0mb													
LZH	47.74	326	eP	34	33.00	0.0													
	2.0s	160.00nm				5.7mb													
Z	22s	0.54um				4.5Msz													
		pP		34	46.00	48kmX													
		PcP		35	58.50														
		PP		36	24.00														

19d 20h

T Vol= 6.12 Plg=55 Azm=301
 N 0.68 9 197
 P -6.80 33 101
 Best Double Couple: Mo=6.5*10**17
 NP1: Strike=159 Dip=14 Slip= 51
 NP2: 19 79 99

AIA 19.67 233 eP 18 46.70 0.3
 NVL 19.76 144 ePc 18 46.00 -1.3
 e 18 54.00
 e 19 03.00
 ePP 19 06.00
 ePPP 19 22.00
 e 19 44.00
 e 20 17.00
 e 20 36.00
 e 20 40.00
 e 22 36.00
 e 22 38.00
 ePcP 22 49.00
 eSS 23 06.00
 SPA 31.98 180 iPd 20 42.40 -0.2
 1.3s 37.50nm 5.1mb
 Z 20s 4.50um 5.2Msz
 MAW 37.66 141 eP 21 31.00 0.2
 1.0s 37.00nm 5.2mb
 BMA 38.10 330 eP 21 35.40 0.4
 e 21 38.20
 VAO 38.59 326 eP 21 40.90 1.7
 e 21 42.20
 e 21 52.60
 ITB7 39.05 315 e(P) 21 43.50 0.6
 PGH 39.08 289 Pd 21 42.00 -1.2
 LNV 39.27 287 eP 21 45.00 0.4
 TACH 39.27 288 eP 21 44.00 -0.7
 ITB 39.36 315 e(P) 21 45.50 0.0
 PEL 39.55 289 iPd 21 46.50 -0.6
 0.5s 70.42nm 5.7mb
 ITB1 39.56 315 e(P) 21 45.00 -2.1
 PPD 40.87 321 eP 21 57.40 -0.5
 i 21 59.00
 e 22 05.40
 SBA 44.02 184 iP 22 24.50 1.5
 S 29 02.00
 KIM 44.99 71 iPc 22 31.00 -0.6
 0.9s 33.61nm 5.2mb
 CRZF 45.82 110 eP 22 45.00 7.2X
 eS 29 35.00
 BAO 45.87 328 ePc 22 39.80 1.2
 SLR 49.23 72 iPc 23 02.50 -2.3
 1.5s 111.11nm 5.7mb
 Z 20s 6.38um 5.6Msz
 CNCB 52.13 304 P 23 27.20 -0.3
 LPB 52.43 304 P 23 24.00 -5.5X
 Z 18s 2.20um 5.2Msz
 ZOBO 52.67 304 P 23 29.00 -2.5
 1.0s 45.50nm 5.4mb
 Z 20s 1.66um 5.1Msz
 i 23 31.00
 S 31 18.00
 LR 41 28.00
 ARE 54.01 300 eP 23 41.00 0.0
 BUL 54.08 69 iPc 23 40.80 -0.5
 1.0s 20.00nm 5.1mb
 i 23 48.80
 CIR 54.83 72 iPc 23 48.20 1.5
 i 23 55.90
 KRI 57.39 68 iPc 24 04.70 -0.6
 i 24 12.00
 MTD 58.40 70 iPc 24 11.50 -0.8
 i 24 20.00
 LIC 66.17 22 P 25 05.32 1.4
 Z 20s 1.50um 5.2Msz
 KIC 66.36 22 P 25 06.44 1.3
 0.9s 39.50nm 5.5mb
 TIC 66.58 22 P 25 07.86 1.3
 BOG 73.93 308 eP 25 50.00 -1.6
 eS 35 38.00
 NAI 74.32 66 eP 26 08.00 14.3X
 eS 35 44.00
 BBL 79.40 324 eP 26 22.00 0.3
 MGG 79.72 324 eP 26 24.00 0.6
 PAG 79.94 324 eP 26 26.00 1.3
 DEG 80.01 325 eP 26 25.00 0.0
 UPA 80.17 305 iPd 26 26.50 0.6
 Z 22s 1.04um 5.1Msz

BPA 80.95 324 eP 26 29.00 -0.9
 TOO 84.25 172 eP 26 47.00 0.1
 MUN 84.43 148 eP 26 47.50 -0.3
 ADE 86.17 167 eP 26 57.70 1.2
 CAN 86.69 175 eP 26 59.20 0.1
 BWA 87.56 174 eP 27 04.50 1.2
 STK 89.55 168 iPc 27 13.30 0.5
 0.9s 5.30nm 4.8mb
 TIO 90.00 15 iP 27 19.50 4.8X
 i 27 39.90
 BRS 94.72 178 iP 27 52.80 16.1X
 ASPA 96.54 160 iPc 27 44.80 -0.3
 1.0s 10.70nm 5.3mb
 TOL 99.25 16 eP 28 02.00 5.4X
 ePP 32 18.00
 ePP 34 30.00
 eS 39 40.00
 ePS 40 40.00
 eSS 46 45.00
 ALO 114.85 296 ePKP 32 57.00 0.8
 Z 20s 0.92um 5.4Msz
 SCH 117.63 334 ePKP 33 01.00 0.4
 NAO 121.91 20 PKP 33 08.60 0.1
 0.9s 3.20nm
 TNP 122.57 291 PKP 33 12.00 1.2
 PRI 122.79 287 ePKP 33 08.30 -2.8
 FRI 122.97 288 e(PKP) 33 13.60 2.4X
 PRS 123.30 286 ePKP 33 10.20 -1.7
 CHG 123.42 109 ePKP 33 12.00 -0.7
 DMN 123.46 91 PKP 33 11.98 -0.9
 0.8s 25.00nm
 GKN 123.52 90 PKP 33 11.56 -1.3
 PKI 123.59 91 PKP 33 12.34 -0.9
 0.7s 32.00nm
 KKN 123.69 91 PKP 33 12.24 -1.1
 GUN 124.11 91 PKP 33 14.28 0.0
 0.7s 26.00nm
 CMB 124.12 288 ePKP 33 14.40 0.8
 MHC 124.22 287 e(PKP) 33 12.30 -1.6
 NUR 124.54 27 ePKP 33 13.50 0.0
 0.8s 11.90nm
 BKS 124.93 287 ePKP 33 09.90 -5.2X
 e 33 17.20
 SHL 125.39 98 ePKP 33 16.40 -0.2
 ORV 125.84 289 e(PKP) 33 18.80 2.0
 FRB 126.12 338 ePKP 33 16.50 -0.1
 KAF 126.33 27 ePKP 33 17.10 0.1
 0.7s 9.30nm
 MIN 126.49 289 ePKPd 33 20.70 2.4X
 WDC 127.14 289 ePKP 33 20.00 0.7
 LSA 128.32 95 PKP 33 23.00 0.5
 FFC 128.51 314 ePKP 33 22.00 0.6
 1.3s 17.00nm
 SOD 130.88 24 ePKP 33 25.20 -0.3
 PNT 132.09 299 ePKP 33 30.00 1.6
 0.8s 11.00nm
 KEV 132.95 22 ePKP 33 30.00 0.6
 CD2 135.85 105 ePKP 33 38.60 2.4X
 WMO 137.07 79 ePKP 33 39.40 1.2
 Z 22s 0.70um 5.3Msz
 YKA 138.62 315 ePKP 33 29.90 -10.4X
 LZH 139.95 101 PKP 33 45.00 1.2
 Z 22s 0.98um 5.5Msz
 N 15s 0.44um
 PP 36 45.00
 PKS 37 16.00
 SKKS 43 30.00
 GTA 140.32 93 ePKP 33 39.00 -5.3X
 Z 20s 0.60um 5.3Msz
 XAN 140.97 108 ePKP 33 44.50 -1.0
 NJ2 144.13 121 PKPc 33 51.00 0.1
 Z 19s 0.50um 5.3Msz
 SSE 144.36 125 PKPc 33 48.00 -3.4X
 Z 20s 1.40um 5.7Msz
 N 18s 0.70um
 ePP 37 13.00
 TIY 145.61 108 ePKP 33 52.00 -1.4
 Z 20s 0.50um 5.3Msz
 SKKS 44 02.00
 MBC 146.47 334 ePKP 33 54.00 0.4
 1.0s 59.00nm
 BTO 146.54 102 PKP 33 56.50 1.6
 TIA 146.74 115 PKPd 33 56.90 1.7
 HMC 147.52 103 ePKP 33 56.00 -0.5
 BJI 149.27 109 ePKP 34 04.00 4.9X
 Z 20s 0.84um 5.5Msz
 IRK 151.00 79 ePKP 34 06.90 5.6X

DL2 151.04 117 ePKP 34 08.00 6.2X
 SNY 154.26 116 ePKP 34 04.00 -2.2
 Z 20s 1.10um 5.7Msz
 SKKS 44 50.00
 MAT 155.62 145 ePKP 34 15.00 6.7X
 CN2 156.65 115 ePKP 34 10.00 0.6
 Z 18s 1.50um 5.9Msz
 S.D. = 1.1 on 78 of 95 obs.

* JUN 19, 1991 20h 54m 39.25±0.35s
 58.159 S ± 7.9km 24.912 W ± 10.6km
 DEPTH = 33.0km (normal)
 4.8mb (5 obs.)

SOUTH SANDWICH ISLANDS REGION (153)

AIA 19.66 233 eP 59 07.80 -0.1
 NVL 19.82 144 (P) 59 08.00 -1.4
 e 59 14.00
 e 59 24.00
 e 59 42.00
 (S) 03 10.00
 SPA 32.01 180 iPd 01 04.00 -0.5
 1.0s 20.50nm 5.0mb
 i 05 52.30
 MAW 37.72 141 eP 01 54.00 1.2
 1.0s 11.00nm 4.7mb
 VAO 38.54 326 eP 01 58.40 -1.9
 e 02 02.10
 PPD 40.82 321 eP 02 19.90 0.8
 SBA 44.05 184 iPc 02 46.50 1.7
 KIM 45.02 71 eP 03 12.00 18.6X
 BAO 45.82 328 ePc 03 01.00 1.3
 SEK 46.81 74 eP 03 13.70 6.2X
 SIV 49.92 312 P 03 30.30 -1.3
 CNCB 52.07 304 P 03 48.00 -0.6
 LPB 52.37 304 P 03 44.00 -6.7X
 BUL 54.10 69 eP 04 11.80 8.7X
 i 08 52.30
 KRI 57.41 68 eP 04 38.00 11.0X
 i 09 16.30
 MTD 58.42 70 eP 04 33.00 -1.0
 i 05 02.60
 i 09 21.90
 LIC 66.15 22 P 05 25.90 0.6
 KIC 66.34 22 Pc 05 26.80 0.2
 TIC 66.56 22 P 05 28.40 0.4
 STK 89.59 169 eP 07 33.80 -0.7
 0.8s 3.40nm 4.7mb
 ASPA 96.59 161 eP 08 07.00 0.1
 0.7s 6.50nm 5.2mb
 i 08 19.40
 WRA 100.30 160 Pdiff 08 23.00 -0.5
 1.0s 0.80nm 4.2mb
 TNP 122.52 291 (PKP) 13 33.00 0.8
 DMN 123.50 91 PKP 13 35.24 0.7
 GKN 123.56 90 PKP 13 33.18 -1.3
 PKI 123.63 91 PKP 13 35.12 0.2
 0.8s 16.00nm
 KKN 123.74 91 PKP 13 35.44 0.5
 GUN 124.15 91 PKP 13 36.30 0.4
 YKA 138.56 315 ePKP 13 52.70 -9.0X
 SSE 144.41 125 PKP 14 12.00 -1.0
 0.8s 10.00nm
 MBC 146.42 334 ePKP 14 16.50 1.4
 1.0s 24.00nm
 BJI 149.32 109 ePKP 14 26.50 5.8X
 0.5s 8.00nm
 IRK 151.04 79 ePKP 14 28.80 5.8X
 e 14 48.00
 S.D. = 1.0 on 25 of 33 obs.

JUN 19, 1991 20h 59m 28.08±0.27s
 58.222 S ± 8.3km 24.885 W ± 9.5km
 DEPTH = 33.0km (normal)
 5.3mb (8 obs.) 4.9Msz (2 obs.)

SOUTH SANDWICH ISLANDS REGION (153)

AIA 19.64 233 eP 03 56.90 0.5
 MAW 37.66 141 eP 06 42.00 0.9
 0.9s 16.00nm 4.9mb
 VAO 38.60 326 iPd 06 52.00 2.4
 ITB7 39.05 315 Pc 06 54.00 0.7
 ITB 39.36 315 e(P) 06 55.90 0.0
 ITB1 39.56 315 Pc 06 56.80 -0.7
 PPD 40.87 321 iPd 07 08.90 0.5
 e 07 14.30
 KIM 45.03 71 eP 07 47.00 4.7X

19d 21h

BAO	45.88	328	ePc	07	48.60	-0.4
SLR	49.27	72	eP	08	16.00	0.5
	1.5s	100.00nm			5.6mb	
SIV	49.98	312	Pc	08	19.60	-1.3
CNCB	52.12	304	P	08	37.70	-0.1
		i		09	49.00	
LPB	52.42	304	P	08	34.00	-5.8X
LIC	66.21	22	P	10	14.60	0.1
	0.7s	24.00nm			5.4mb	
	20s	0.20um			4.3msz	
KIC	66.40	22	P	10	15.72	0.0
	0.8s	31.00nm			5.5mb	
TIC	66.62	22	P	10	17.02	-0.1
	0.7s	30.00nm			5.5mb	
LKO	69.34	20	Pc	10	33.96	-0.2
	0.8s	28.50nm			5.4mb	
BBL	79.40	324	eP	11	32.00	-0.1
PAG	79.94	324	eP	11	35.00	-0.1
TOO	84.23	172	eP	11	57.00	-0.2
MUN	84.42	148	eP	11	57.90	-0.2
CAN	86.67	175	eP	12	09.60	0.2
BWA	87.53	174	eP	12	13.80	0.2
STK	89.53	169	iPd	12	23.40	0.3
	0.9s	2.90nm			4.6mb	
ASPA	96.53	160	eP	12	54.10	-1.3
	1.0s	6.30nm			5.1mb	
NAO	121.95	20	PKP	18	18.30	-0.7
	1.0s	4.40nm				
CHTO	123.44	109	PKP	18	21.50	-1.6
DMN	123.48	91	PKP	18	22.78	-0.5
GKN	123.55	90	PKP	18	22.44	-0.9
PKI	123.61	91	PKP	18	22.80	-0.9
KKN	123.72	91	PKP	18	22.94	-0.8
GUN	124.13	91	PKP	18	23.68	-1.0
KAF	126.36	27	ePKP	18	27.00	-0.5
	0.9s	11.60nm				
LSA	128.34	95	PKP	18	33.40	0.5
FFC	128.50	314	ePKP	18	31.00	-0.8
	0.8s	6.00nm				
CD2	135.87	105	ePKP	18	47.80	1.2
WMO	137.10	79	PKP	18	50.40	1.8
YKA	138.62	315	ePKP	18	42.50	-8.2X
XAN	140.98	108	ePKP	18	58.50	2.6
NJ2	144.14	121	PKPc	19	01.00	-0.4
SSE	144.36	125	PKP	19	00.00	-1.8
TIY	145.63	108	iPKPd	19	02.80	-1.1
	20s	0.63um			5.4msz	
	N 20s	1.10um				
		pPKP	19	14.00		
MBC	146.48	334	ePKP	19	03.00	-1.0
	1.0s	37.00nm				
BTO	146.56	102	PKP	19	05.60	0.3
TIA	146.76	115	ePKP	19	07.40	1.8
HMC	147.54	103	ePKP	19	09.00	2.1
	23s	1.20um			5.6mszX	
BJI	149.28	109	ePKP	19	13.00	3.5X
IRK	151.03	80	ePKPc	19	17.10	5.3X
DL2	151.06	117	ePKP	19	17.50	5.3X
	24s	0.50um			5.2mszX	
CN2	156.66	115	ePKP	19	14.00	-5.8X
	S.D. = 1.0	on 43 of 50 obs.				
JUN 19, 1991 22h 21m 27.26 ± 0.45s						
40.796 N ± 4.2km 22.331 E ± 3.6km						
DEPTH = 10.0km (geophysicist)						
GREECE (364)						
ML 1.5 (SKO).						
GRG	0.17	18	iPc	21	31.58	0.4
		eS		21	34.38	
THE	0.51	108	ePc	21	37.66	0.1
		eS		21	45.46	
VAY	0.56	19	iPg	21	37.60	-0.9
		iSg		21	45.00	
KNT	0.56	49	iPd	21	38.50	-0.2
		eS		21	46.30	
LIT	0.70	170	ePd	21	40.90	-0.3
FNA	0.72	269	iPd	21	41.10	-0.5
SOH	0.78	88	iPc	21	42.29	-0.1
SRS	1.01	71	iPc	21	46.34	0.0
OHR	1.20	286	ePn	21	50.00	0.3
OUR	1.34	110	ePd	21	52.42	0.5
PAIG	1.35	130	ePc	21	52.14	0.1
		eS		22	12.14	
SKO	1.35	331	ePn	21	52.80	0.7
	S.D. = 0.5	on 12 of 12 obs.				

JUN 19, 1991 22h 34m 25.92 ± 0.74s						
43.199 N ± 7.1km 26.131 E ± 6.9km						
DEPTH = 10.0km (geophysicist)						
BULGARIA (359)						
PVL	0.58	272	iPg	34	36.00	-1.7
		iSg		34	46.00	
JMB	0.80	155	iPd	34	41.00	-0.5
		iPg		34	42.00	
		iSg		34	53.00	
DIM	1.23	201	ePg	34	49.00	0.2
		eS		35	02.00	
		eSg		35	05.00	
PSN	1.57	71	eP	34	53.00	-0.9
		e		35	15.00	
PGB	1.58	246	iPc	34	54.00	-0.1
		iS		35	14.00	
		iSg		35	15.00	
KDZ	1.64	199	iP	34	55.00	0.2
		iS		35	17.00	
VT5	2.23	255	eP	35	04.00	0.4
		Sg		35	33.00	
MLR	2.30	357	eP	35	06.00	1.5
ALN	2.30	182	ePd	35	06.20	1.7
		eS		35	39.64	
MMB	2.40	229	iP	35	10.00	4.1X
		iSg		35	44.00	
KKB	2.62	240	eP	35	13.00	4.0X
		iSg		35	46.00	
CTT	2.67	139	ePn	35	09.00	-0.7
VAY	3.24	236	ePn	35	26.60	8.8X
	S.D. = 1.2	on 10 of 13 obs.				
JUN 19, 1991 22h 44m 21.60 ± 1.36s						
44.724 N ± 5.7km 6.720 E ± 12.3km						
DEPTH = 10.0km (geophysicist)						
FRANCE (538)						
ML 2.3 (GEN).						
RRL	0.20	13	P	44	25.96	-0.2
		S		44	29.44	
BNI	0.33	354	P	44	29.20	0.7
		eSg		44	32.60	
PZZ	0.35	129	P	44	29.00	0.1
		S		44	34.47	
BH8	0.40	73	P	44	29.77	-0.1
		S		44	35.92	
DOI	0.43	120	P	44	31.70	1.2
		eSg		44	36.90	
RSP	0.57	42	P	44	33.24	-0.1
		S		44	40.92	
STV	0.65	138	P	44	33.85	-0.7
		S		44	43.80	
ENR	0.71	135	P	44	35.41	-0.2
		S		44	45.66	
LSD	0.80	23	P	44	36.72	-0.5
		S		44	47.72	
ROB	0.93	117	P	44	39.13	-0.2
	S.D. = 0.6	on 10 of 10 obs.				
JUN 19, 1991 23h 17m 12.99 ± 0.75s						
33.703 N ± 13.5km 47.037 E ± 6.1km						
DEPTH = 10.0km (geophysicist)						
4.6mb (4 obs.)						
WESTERN IRAN (347)						
Feit at Islamabad.						
KER	0.65	5	iP	17	23.00	-3.1
IR5	3.29	62	eP	18	07.00	1.2
IR1	3.46	59	eP	18	10.00	1.8
IR4	3.54	63	eP	18	10.50	1.2
IR7	3.55	55	eP	18	10.50	1.0
TEH	4.12	59	eP	18	20.00	2.6X
TAB	4.39	353	eP	18	34.00	12.6X
MLR	20.00	312	eP	21	51.00	2.4X
SKO	21.78	300	eP	22	08.00	1.3
CZI	25.38	291	P	22	42.70	0.9
SBF	32.22	300	eP	23	42.50	-1.0
	0.8s	37.60nm			5.4mb	
GKN	32.65	90	P	23	46.04	-1.5
LPG	32.87	303	eP	23	49.60	0.2
	0.8s	6.70nm			4.6mb	
BNI	32.88	302	P	23	49.70	0.4
LPL	32.89	303	eP	23	48.80	-0.7
	0.8s	5.35nm			4.5mb	
DMN	33.17	90	P	23	51.94	-0.2
KKN	33.26	90	P	23	51.70	-1.2

PKI	33.44	90	P	23	53.66	-0.9
GUN	33.72	89	P	23	55.98	-1.0
EKA	40.70	318	P	24	54.00	-1.0
	1.0s	5.60nm			4.2mb	
DLF	42.36	314	eP	25	09.50	0.8
DMU	42.65	315	eP	25	11.60	0.6
DCN	42.81	314	eP	25	13.60	1.2
YKA	83.01	352	eP	29	39.00	-0.3
	S.D. = 1.3	on 21 of 24 obs.				

? JUN 20, 1991	00h 13m 34.21± 1.98s					
36.766 N ±23.3km	29.113 E ± 9.7km					
DEPTH = 10.0km	(geophysicist)					
TURKEY						(366)
MD 3.5 (ISK).						
ELL	0.64	91	iPg	13	46.70	-0.4
			eSg	13	56.20	
YER	0.76	299	ePn	13	49.20	0.1
BCK	1.37	59	iPn	14	00.20	0.8
KHL	1.59	12	ePn	14	02.00	-0.5
	S.D. = 1.1	on 4 of 4 obs.				

% JUN 20, 1991	00h 20m 05.04± 1.10s					
17.095 N ±11.1km	99.780 W ±16.8km					
DEPTH = 33.0km	(normol)					
GUERRERO, MEXICO						(59)
ACX	0.24	198	iPc	20	11.91	-0.1
			iS	20	18.43	
III	1.31	13	iP	20	25.48	-1.8
			(S)	20	42.36	
TPM	2.00	20	(P)	20	37.00	-0.3
			(S)	21	00.00	
PPM	2.25	29	(P)	20	41.54	0.4
IIA	2.30	27	iP	20	41.95	0.5
IIIT	2.37	36	(P)	20	43.38	0.7
MRX	2.92	333	iP	20	50.92	0.7
			iS	21	24.04	
OXX	2.92	90	(P)	21	06.30	15.8X
IIISM	2.96	50	(P)	20	19.77	-31.0X
	S.D. = 1.1	on 7 of 9 obs.				

JUN 20, 1991	00h 24m 19.30± 0.66s					
42.751 N ± 5.1km	12.620 E ±10.1km					
DEPTH = 10.0km	(geophysicist)					
CENTRAL ITALY						(381)
ASS	0.32	5	P	24	26.20	0.2
			eSg	24	30.00	
MNS	0.37	173	P	24	26.90	0.0
			eSg	24	33.10	
AQU	0.70	124	P	24	32.90	-0.3
			eSg	24	45.10	
ARV	0.78	17	P	24	34.50	-0.1
			eSg	24	46.00	
CRE	1.00	331	P	24	38.30	-0.1
			eSg	24	52.20	
SFI	1.30	335	P	24	43.20	-0.1
			eSg	24	59.10	
SDI	1.37	139	P	24	44.80	0.3
			eSg	25	01.70	
	S.D. = 0.3	on 7 of 7 obs.				

? JUN 20, 1991	00h 58m 49.16± 3.80s					
14.484 S ±23.9km	167.238 E ±16.3km					
DEPTH = 189.5 ± 33.9 km						
4.7mb (4 obs.)						
VANUATU ISLANDS						(186)
DZM	7.58	186	iPc	00	38.00	-0.1
			iS	02	01.00	
QLP	24.63	237	iPd	03	55.00	1.2
CMS	25.90	226	iPc	04	06.00	0.6
BWA	26.14	217	eP	04	06.50	-1.1
CAN	26.45	215	eP	04	10.40	0.0
STK	29.13	229	iPc	04	35.30	0.8
	0.4s	18.70nm			5.2mb	
		e		05	22.90	
		i		07	37.00	
WB2	31.84	256	iPc	04	57.60	-0.8
	0.4s	4.20nm			4.5mb	
WRA	31.85	256	P	05	02.00	3.5X
	0.3s	1.50nm			4.1mb	
ASPA	32.73	249	iPc	05	05.00	-1.1
	0.4s	11.40nm			4.9mb	
		eS		10	06.10	

MAW 82.10 202 iPd 10 49.60 0.3
 PKI 89.55 299 P 11 27.40 0.4
 KKN 89.73 299 P 11 28.00 0.3
 DMN 89.82 298 P 11 28.80 0.6
 NAO 130.66 345 PKP 17 39.00 0.4
 0.7s 1.60nm
 ARV 143.67 328 PKP 18 01.60 -1.6
 VAI 143.84 334 PKP 18 01.60 -1.7
 SFI 143.92 329 PKP 18 03.20 -0.3
 CRE 144.08 329 PKP 18 02.90 -1.1
 CSI 144.19 320 PKP 18 03.20 -1.0
 MME 144.27 331 PKP 18 04.20 -0.3
 SGO 144.31 322 PKP 18 02.90 -1.4
 FLN 144.35 346 ePKP 18 02.70 -1.4
 0.8s 13.45nm
 BOB 144.41 332 PKP 18 04.00 -0.5
 LDF 144.42 346 ePKP 18 03.10 -1.1
 0.6s 5.40nm
 LOR 144.50 340 ePKP 18 04.10 -0.3
 0.8s 9.40nm
 CZI 144.61 320 PKP 18 03.60 -1.2
 LBF 144.71 340 iPKPc 18 04.60 -0.2
 0.8s 12.10nm
 GRR 144.79 346 iPKPc 18 04.50 -0.4
 0.6s 16.25nm
 SSF 144.79 341 iPKPc 18 05.10 0.2
 0.8s 34.90nm
 LSD 144.84 335 PKP 18 05.56 0.2
 LPL 144.96 336 iPKPc 18 06.20 0.6
 0.8s 20.15nm
 LPG 144.97 336 iPKPc 18 06.20 0.5
 0.8s 24.20nm
 PCP 144.99 333 PKP 18 04.64 -0.8
 RSP 145.05 335 PKP 18 05.05 -0.5
 SMF 145.05 340 iPKPc 18 05.60 0.2
 1.0s 28.00nm
 AVF 145.08 341 iPKPc 18 05.60 0.2
 0.8s 12.75nm
 LPF 145.17 346 iPKPc 18 05.90 0.4
 0.6s 18.05nm
 BHB 145.30 335 PKP 18 03.20 -2.7
 BNI 145.36 335 PKP 18 08.30 2.2
 FIN 145.40 333 PKP 18 05.77 -0.3
 RRL 145.43 335 PKP 18 07.30 0.9
 BGF 145.45 341 ePKP 18 07.00 0.9
 0.8s 22.85nm
 ROB 145.48 333 PKP 18 06.07 -0.2
 PZZ 145.64 334 PKP 18 05.05 -1.6
 ENR 145.73 334 PKP 18 05.56 -1.2
 STV 145.75 334 PKP 18 05.66 -1.1
 IMI 145.78 333 PKP 18 07.10 0.3
 MAF 145.84 341 ePKP 18 08.20 1.5
 0.8s 9.40nm
 TCF 145.89 341 ePKP 18 08.40 1.6
 0.8s 8.05nm
 SBF 146.01 333 iPKPc 18 08.40 1.2
 0.8s 40.30nm
 LSF 146.13 342 iPKPc 18 09.00 1.8
 0.9s 14.75nm
 MFF 146.28 344 iPKPc 18 09.50 2.1
 0.9s 18.00nm
 PGF 146.33 330 ePKP 18 09.80 2.0
 0.8s 18.80nm
 FRF 146.59 334 ePKP 18 10.20 2.2
 0.8s 21.50nm
 LRG 146.80 334 ePKP 18 11.10 2.8X
 0.8s 10.75nm
 LMR 146.84 334 iPKPc 18 11.00 2.6X
 1.0s 28.00nm

S.D. = 1.1 on 53 of 56 obs.

JUN 20, 1991 01h 10m 40.02 ± 0.18s
 19.708 S ± 5.2km 177.792 W ± 4.9km
 DEPTH = 431.7km (10 depth phases)
 5.0mb (23 obs.)

FIJI ISLANDS REGION (181)

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 26C

Centroid Location:

Origin Time 01:10:50.4 0.8

Lat 19.33S 0.08 Lon 177.93W 0.04

Dep 452.9 2.2 Half-duration 2.2

Moment Tensor: Scale 10¹⁷ Nm

Mrr= 0.93 0.05 Mtt=-0.97 0.09

Mff= 0.05 0.09 Mrt=-2.01 0.08

Mrf=-0.50 0.08 Mtf=-0.47 0.07

Principal Axes:

T Val= 2.21 Plg=58 Azm=171

N 0.21 4 75

P -2.42 32 342

Best Double Couple: Mo=2.3*10¹⁷

NP1: Strike= 59 Dip=14 Slip= 73

NP2: 256 77 94

NDF 4.91 293 eP 11 51.30 -12.0X

eS 13 03.30

PVC 13.31 276 iPc 13 36.50 1.1

DZM 14.92 258 iPc 13 54.10 1.6

iS 16 37.20

PUZ 18.62 190 eP 14 31.00 1.5

WLZ 18.97 196 eP 14 35.60 2.8

NOZ 19.19 190 eP 14 36.10 1.1

MNG 21.62 194 eP 14 56.50 -1.8

0.2s 15.00nm 5.1mb

THZ 23.36 198 eP 15 14.20 -0.1

KHZ 23.80 196 eP 15 17.00 -1.2

HNR 23.81 292 eP 15 20.00 1.4

SVO 24.06 293 eP 15 23.00 2.2

LTZ 24.49 198 eP 15 21.90 -2.6

BRZ 28.00 249 iPc 15 56.50 0.6

CAN 33.12 235 eP 16 40.60 0.7

BWA 33.29 237 eP 16 40.10 -1.3

CMS 34.69 243 eP 16 53.70 0.6

e 17 58.80 336kmX

PMG 35.37 282 iPc 16 59.80 0.9

1.1s 227.85nm 5.5mb

OLP 35.49 252 iPd 17 01.00 1.2

STK 38.32 243 iPc 17 23.90 0.8

0.5s 17.30nm 4.7mb

i 19 26.40

e 22 45.90

QIS 39.93 261 iPc 17 36.00 -0.5

WBZ 44.90 261 iPc 18 15.10 -1.0

0.3s 92.60nm 5.7mb

e 24 20.20

ASPA 44.90 256 iPc 18 15.60 -0.5

1.1s 143.00nm 5.3mb

iS 24 19.50

iScS 27 26.50

WRA 44.91 261 P 18 15.00 -1.2

0.5s 71.50nm 5.3mb

49.36 270 eP 18 48.30 -2.0

GUA 49.39 309 eP 18 50.30 -0.2

0.8s 388.06nm 5.8mb

GUMO 49.45 309 eP 18 50.30 -0.7

0.8s 245.97nm 5.6mb

PJG 49.45 309 eP 18 50.20 -0.8

WARB 51.26 252 eP 19 03.00 -1.3

0.3s 10.00nm 4.6mb

COOL 55.73 246 eP 19 34.50 -1.9

KLB 56.56 244 eP 19 53.00 -2.9

SBA 58.67 184 iPc 19 58.00 2.1

BAL 59.56 246 eP 20 02.00 -0.6

MUN 59.85 244 eP 20 04.00 -0.5

MRWA 60.33 247 eP 20 06.00 -1.8

NANU 61.79 254 eP 20 16.70 -0.8

0.3s 17.00nm 5.1mb

CGP 63.15 291 eP 20 26.00 -0.3

1.0s 50.00nm 5.0mb

CHJJ 68.90 324 iP+ 21 01.40 -0.4

MAT 69.69 323 eP 21 05.00 -1.6

0.9s 29.41nm 4.9mb

eS 29 37.00

YAMJ 69.88 326 eP 21 07.30 -0.3

MTMJ 69.95 323 P 21 07.10 -1.1

SPA 70.41 180 iPc 21 11.10 0.4

1.0s 107.50nm 5.4mb

i 21 28.50 64kmX

KUSJ 71.38 332 eP 21 15.50 -0.8

ASAJ 73.11 331 eP 21 27.20 0.8

QZH 76.14 303 P 21 44.00 0.2

PRS 77.11 44 eP 21 49.40 0.5

GCC 77.12 43 e(P) 21 49.20 0.3

SAO 77.32 43 eP 21 49.80 -0.2

SSE 77.33 310 Pd 21 50.00 -0.2

1.0s 12.00nm 4.5mb

eS 31 00.00

PRI 77.46 44 ePc 21 52.30 1.3

MWC 78.12 47 eP 21 54.00 -0.7

RVR 78.47 48 eP 21 56.00 -0.3

PLM 78.48 48 eP 21 57.00 0.4

SBB 78.54 47 eP 21 57.00 0.3

PEC 78.56 48 ePc 21 56.50 -0.3
 FRI 78.58 44 eP 21 56.80 0.0
 e 23 32.90 430km
 ISA 78.64 46 eP 21 57.00 -0.3
 CMB 78.75 43 ePc 21 57.60 -0.2
 e 23 33.70 430km
 WDC 78.94 40 ePc 21 59.50 0.9
 e 23 35.10 427km
 ORV 78.95 41 eP 21 58.50 -0.2
 CLC 79.32 46 eP 22 01.00 0.2
 TPC 79.46 48 eP 22 02.00 0.4
 NJ2 79.53 309 Pc 22 03.00 1.1
 GSC 79.58 47 eP 22 03.00 0.8
 GLA 79.76 49 eP 22 04.00 0.8
 MDJ 79.99 325 Pc 22 05.40 1.4
 1.0s 66.00nm 5.3mb
 TNP 80.83 44 ePd 22 09.00 0.2
 0.9s 7.81nm 4.4mb
 pP 23 46.00 432km
 SNY 81.73 320 Pc 22 13.60 0.5
 CN2 81.79 322 Pd 22 13.00 -0.4
 1.0s 30.00nm 4.9mb
 pP 23 50.00 430km
 eS 31 49.00
 TIA 82.89 312 Pc 22 19.70 0.6
 BALM 85.37 16 ePd 22 30.00 -1.0
 pP 24 08.50 433km
 BJI 85.47 315 eP 22 32.00 0.3
 1.4s 59.00nm 5.2mb
 PNT 85.89 34 eP 22 34.00 0.4
 ALO 86.76 51 eP 22 38.20 -0.1
 1.0s 9.00nm 4.5mb
 epP 24 17.00 433km
 ANMO 86.76 51 ePc 22 36.90 -1.4
 1.0s 8.00nm 4.4mb
 pP 24 15.60 433km
 TIY 86.90 312 eP 22 38.50 -0.3
 FBA 87.43 12 P 22 38.00 -2.6
 pP 24 19.00 444kmX
 XAN 87.81 307 Pc 22 44.50 1.3
 LRM 87.98 39 eP 22 44.20 0.2
 BW06 88.26 43 ePc 22 43.00 -2.3
 1.2s 10.27nm 4.5mb
 pP 24 22.00 432km
 NVL 89.52 183 ePc 22 50.50 0.1
 e 23 02.00 37kmX
 CHG 90.16 290 eP 22 55.30 1.1
 CHTO 90.16 290 P 22 55.20 1.0
 SES 91.12 36 ePd 22 57.10 -0.9
 RSSD 92.45 44 iPc 23 04.50 -0.1
 0.9s 23.23nm 5.2mb
 pP 24 45.00 437km
 INK 93.46 15 eP 23 08.00 -0.4
 YKA 95.71 25 eP 23 18.00 -0.7
 0.8s 1.40nm 4.2mb
 MAIO 127.51 301 ePKP 28 57.00 0.4
 e 30 51.00
 KEV 127.73 349 ePKP 28 56.00 0.2
 OBN 136.15 332 ePKP 29 13.00 0.8
 e 32 03.00
 NUR 136.23 344 ePKP 29 08.00 -4.2X
 NAO 138.47 354 PKP 29 08.60 -7.8X
 0.9s 5.30nm
 HFS 138.79 351 ePKP 29 08.70 -8.3X
 0.4s 2.10nm
 EKA 144.20 5 PKPd 29 24.90 -1.7
 0.6s 18.80nm
 DMU 145.16 9 ePKP 29 28.00 -0.2
 KAS 145.58 316 ePKP 29 32.50 3.0X
 DCN 145.64 18 ePKP 29 29.60 0.6
 DLF 145.80 9 ePKP 29 29.80 0.5
 0.7s 51.00nm
 KRA 146.59 339 ePKP 29 33.00 2.3
 e 29 40.80
 WIT 146.78 355 ePKP 29 35.00 4.2X
 KSP 146.99 344 ePKP 29 31.50 0.2
 id 29 34.50
 VRI 147.01 328 ePKPd 29 34.50 3.0X
 BHL 147.14 302 PKP 29 35.00 2.8
 SPC 147.22 338 ePKP 29 31.90 -0.1
 e 31 20.00
 HRI 147.24 301 ePKP 29 41.00 8.6X
 CLL 147.34 347 ePKP 29 31.00 -0.8
 0.9s 43.00nm
 i 29 35.00
 pPKP 31 18.60
 iSKP 32 33.10

20d 01h

CLL	147.34	347	ePKP	29	31.00	-0.8	VAY	152.35	326	ePKP	29	46.70	7.0X	VAO	38.60	326	eP	29	10.70	2.4
	0.9s	43.00nm					SKO	152.46	328	ePKP	29	39.00	-0.9	ITB7	39.05	315	e(P)	29	12.00	-0.1
			i	29	35.00					i	31	30.50		ITB	39.36	315	e(P)	29	14.10	-0.5
			pPKP	31	18.60		LOR	152.48	358	ePKP	29	39.80	0.0	ITB1	39.56	315	e(P)	29	16.00	-0.3
			iSKP	32	33.10			0.8s	5.35nm					PPD	40.87	321	ePc	29	27.30	0.2
WTS	147.58	355	iPKPd	29	35.90	3.7X	SSF	152.70	358	ePKP	29	40.40	0.3				e	29	30.00	9kmX
	0.9s	29.00nm						0.8s	4.05nm								e	29	32.90	
			e	31	22.00		LBF	152.76	357	ePKP	29	40.40	0.2	SBA	44.02	184	iPc	29	54.00	1.8
MLR	147.66	328	ePKP	29	35.00	2.2		1.0s	5.00nm					FRS	44.44	72	iPc	29	55.00	-1.1
JVI	147.91	299	ePKP	29	43.00	9.5X	MFF	153.11	4	ePKP	29	40.40	-0.2		1.2s	23.44nm			4.9mb	
PRU	148.23	345	PKPc	29	37.50	4.2X		1.0s	16.00nm					KIM	44.98	71	eP	30	03.00	2.4
	0.9s	19.60nm					TCF	153.49	360	ePKP	29	41.30	0.1	BAO	45.87	328	ePc	30	08.00	0.3
			e	31	23.00			0.8s	5.35nm					SEK	46.77	74	eP	30	15.20	0.4
MOX	148.24	349	ePKP	29	33.00	-0.3	LSF	153.52	1	ePKP	29	41.80	0.6	SLR	49.22	72	iPc	30	32.00	-1.9
CMP	148.27	329	ePKPc	29	38.00	4.4X		1.0s	7.00nm						0.8s	14.93nm			5.1mb	
EYL	148.34	317	iPKP	29	38.50	4.5X	RJF	154.47	1	ePKP	29	42.70	0.2	SIV	49.98	312	iPc	30	37.80	-1.9
MBH	148.78	295	iPKPd	29	44.90	10.0X		0.8s	5.35nm					CNCB	52.14	304	P	30	57.00	0.4
ENN	148.87	355	iPKPd	29	39.10	4.9X	CAF	154.85	0	ePKP	29	42.50	-0.6	LPB	52.43	304	P	30	52.00	-6.7X
	0.9s	15.00nm						0.8s	4.05nm				ZOBO	52.68	304	iPc	30	59.00	-1.7	
			e	31	29.00		LIC	164.86	151	PKP	29	54.80	0.0		1.0s	22.50nm			5.1mb	
MEM	149.02	355	PKP	29	39.20	4.7X	KIC	165.11	152	PKP	29	55.00	0.0	Z	20s	0.50um			4.6Msz	
			e	31	24.80		TIC	165.24	151	PKP	29	55.20	0.1			S	38	46.00		
SRO	149.06	339	iPKP	29	38.90	4.3X	LKO	167.40	142	PKP	29	56.12	-0.7			LR	47	46.00		
			e	31	23.00			0.8s	17.50nm					ARE	54.02	300	eP	31	11.00	0.8
BUD	149.10	338	PKP	29	39.80	5.1X	S.D. = 1.1 on 123 of 170 obs.							KRI	57.38	68	iPc	31	33.50	-0.8
ZST	149.13	340	iPKP	29	41.50	6.7X									i	31	48.90	57kmX		
			e	31	28.60		% JUN 20, 1991 01h 26m 57.15 ± 0.59s						MTD	58.39	70	iPc	31	40.50	-0.8	
SNF	149.22	357	PKP	29	40.40	5.6X	43.169 N ± 4.3km	12.859 E ± 7.2km							i	31	54.80	52kmX		
KHC	149.26	345	iPKP	29	35.00	0.0	DEPTH = 10.0km (geophysicist)						LIC	66.17	22	P	32	33.32	0.3	
	1.0s	23.00nm					CENTRAL ITALY	(381)						0.9s	21.50nm			5.2mb		
			i	29	40.50		ASS	0.18	236	P	27	01.20	0.1	Z	20s	0.46um		4.7Msz		
			i	31	25.50				eSg	27	04.30		KIC	66.35	22	P	32	34.50	0.3	
VKA	149.31	341	iPKPc	29	40.40	5.3X	ARV	0.33	10	P	27	03.70	-0.4		1.0s	24.00nm		5.2mb		
	0.8s	29.90nm							eSg	27	09.20		KIC	66.35	22	P	32	35.88	1.7	
JMB	149.37	323	iPKP	29	40.00	4.7X			eSg	27	12.20	-0.4		0.9s	15.00nm			5.1mb		
			i	31	28.00		MNS	0.79	190	P	27	12.20		LKO	69.30	20	P	32	53.04	0.4
PVL	149.56	325	iPKPd	29	42.00	6.5X			eSg	27	24.00			0.7s	12.00nm			5.1mb		
KHL	149.93	314	ePKP	29	41.80	5.4X	CRE	0.81	305	P	27	12.30	-0.5	PAG	79.94	324	eP	33	54.00	0.2
WLF	149.95	355	iPKPd	29	42.33	6.4X			eSg	27	22.60		CAN	86.70	175	eP	34	29.30	1.1	
MFT	150.01	320	ePKP	29	41.50	5.1X	RSM	0.81	339	P	27	13.10	0.2	BWA	87.56	174	eP	34	31.70	-0.7
KGT	150.20	319	ePKP	29	43.00	6.4X			eSg	27	24.70		STK	89.55	168	eP	34	42.50	0.6	
DIM	150.23	324	iPKP	29	43.00	6.4X	AQU	0.91	154	P	27	14.90	0.3		1.3s	3.10nm		4.4mb		
ELL	150.42	311	iPKP	29	43.20	6.0X			eSg	27	27.00				e	35	10.40	105kmX		
GWf	150.48	353	PKP	29	43.04	6.2X	SFI	1.05	316	P	27	17.60	0.7	TIO	89.99	15	iP	34	48.00	4.2X
KDZ	150.56	323	iPKP	29	43.00	5.8X			eSg	27	33.00		ASPA	96.54	160	eP	35	13.70	-0.5	
PGB	150.64	326	ePKP	29	43.00	5.7X	SDI	1.62	154	P	27	26.00	0.1		1.1s	8.60nm		5.2mb		
			i	31	28.00				eSg	27	46.20		FRI	122.98	288	ePKP	40	39.10	-1.3	
FLN	150.93	4	ePKP	29	37.80	0.4							DMN	123.45	91	PKP	40	42.00	0.0	
	1.0s	24.00nm					S.D. = 0.5 on 8 of 8 obs.							GKN	123.51	90	PKP	40	41.80	-0.2
WLS	151.06	353	PKP	29	44.10	6.4X							PKI	123.58	91	PKP	40	41.60	-0.7	
CDF	151.07	353	PKP	29	44.27	6.5X	JUN 20, 1991 03h 21m 46.82 ± 0.27s							0.9s	18.00nm			-0.2		
VTS	151.11	327	iPKP	29	44.00	5.9X	58.193 S ± 7.1km	24.816 W ± 7.2km					KKN	123.68	91	PKP	40	42.20	-0.2	
LDF	151.12	3	ePKP	29	37.40	-0.3	DEPTH = 33.0km (normal)							0.6s	8.00nm					
	1.0s	10.00nm					5.1mb (10 obs.) 5.1Msz (5 obs.)						GUN	124.10	91	PKP	40	43.40	0.0	
EZN	151.17	319	ePKP	29	43.80	5.7X	SOUTH SANDWICH ISLANDS REGION	(153)					CMB	124.13	288	ePKP	40	42.20	-0.5	
KBA	151.22	344	iPKPd	29	44.30	6.1X	CENTROID, MOMENT TENSOR	(HRV)					FRB	126.12	338	ePKP	40	46.00	0.3	
	0.8s	27.80nm					Data Used: GDSN						LRM	126.23	300	ePKP	40	47.70	0.8	
			i	31	28.60		L.P.B.: 11S, 17C						MIN	126.50	289	ePKP	40	58.80	11.4X	
			i	31	38.30		Centroid Location:						FFC	128.51	314	ePKP	40	50.00	-0.5	
ECH	151.28	353	PKP	29	44.10	6.1X	Origin Time	03:21:51.2 0.9						1.2s	11.00nm					
GRR	151.28	4	ePKP	29	37.60	-0.4	Lat 58.18S 0.12 Lan 25.63W 0.22						PNT	132.10	298	ePKP	41	07.00	9.4X	
	1.0s	14.00nm					Dep 15.0 FIX Half-duration 1.8						YKA	138.62	315	ePKP	40	58.20	-11.2X	
VITF	151.40	355	PKP	29	44.98	6.8X	Moment Tensor: Scale 10**16 Nm							0.8s	1.00nm					
WTTA	151.46	346	iPKPc	29	44.50	6.0X	Mrr= 6.55 0.75 Mtt=-1.84 0.84						GTA	140.31	93	ePKP	41	13.00	-0.4	
	0.7s	43.30nm					Mff=-4.71 0.78 Mrt=-7.57 1.65						XAN	140.96	108	ePKP	41	13.00	-1.6	
			i	29	50.80		Mrf= 9.80 1.69 Mtf= 3.96 0.81						NJ2	144.12	121	PKPc	41	19.00	-1.1	
			i	31	30.40		Principal Axes:						SSE	144.35	125	PKPc	41	19.00	-1.5	
FEL	151.51	352	PKP	29	44.89	6.4X	T Val= 13.77 Plg=60 Azm=230						Z	20s	0.50um			5.3Msz		
PTJ	151.52	340	ePKP	29	39.00	0.5	N	0.93 2 323							ePKP	41	36.50			
MMB	151.54	325	ePKP	29	46.00	7.4X	P	-14.70 30 54					TIY	145.60	108	PKPc	41	21.40	-1.2	
ZAG	151.59	340	ePKP	29	45.20	6.7X	Best Double Couple: Mo=1.4*10**17						Z	20s	0.63um			5.4Msz		
LPF	151.62	5	ePKP	29	39.10	0.6	NP1: Strike=149 Dip=15 Slip= 96								PKP	41	30.00			
	0.8s	10.75nm					NP2: 322 75 88						MBC	146.47	334	ePKPc	41	24.00	1.3	
MOF	151.64	353	PKP	29	45.14	6.5X								1.0s	45.00nm					
KKB	151.69	326	iPKPc	29	45.00	6.2X	AIA	19.68	233	eP	26	15.40	-0.3	BTO	146.53	102	ePKP	41	25.00	1.0
			i	31	34.00		NVL	19.76	144	ePc	26	16.00	-0.4			PKP	41	33.00		
BSF	151.70	353	ePKP	29	38.40	-0.4			e	26	19.00	12kmX								
	1.0s	8.00nm							e	26	24.00		TIA	146.74	115	PKPc	41	26.70	2.3	
LJU	151.84	342	ePKP	29	39.00	0.1			ePPP	26	49.00		HHC	147.51	103	PKPd	41	29.00	3.4X	
			e	29	46.00				eS	30	00.00		INK	148.27	318	ePKPc	41	28.90	3.1X	
			i	31	25.00				e	30	06.00			0.8s	37.00nm					
VOY	152.04	342	ePKP	29	39.20	-0.1														

e 41 51.90
S.D. = 1.1 on 48 of 60 obs.
JUN 20, 1991 03h 51m 21.73± 0.74s
40.052 N ± 6.6km 21.891 E ± 6.0km
DEPTH = 10.0km (geophysicist)
GREECE (364)

LIT	0.46	84	iPd	51	30.56	-0.6
			eS	51	38.76	
FNA	0.83	332	ePc	51	36.44	-1.4
			eS	51	48.92	
GRG	0.98	23	ePc	51	40.13	-0.3
			eS	51	56.24	
THE	1.00	54	ePd	51	38.92	-1.8
			eS	51	57.20	
AGG	1.08	162	ePd	51	42.20	0.1
			eS	51	59.20	
IGT	1.31	247	iPc	51	45.84	-0.1
OHR	1.35	322	ePn	51	46.00	-0.5
KNT	1.35	34	iPd	51	47.45	0.9
			eS	52	07.80	
SOH	1.36	55	ePd	51	47.00	0.3
			eS	52	07.92	
VAY	1.37	22	ePn	51	45.60	-1.2
PAIG	1.38	95	ePc	51	46.64	-0.3
			eS	52	07.92	
OUR	1.63	79	iPd	51	51.45	1.0
			eS	52	13.90	
SRS	1.68	50	ePd	51	52.28	1.0
SKO	1.95	350	ePn	51	58.00	2.8

S.D. = 1.3 on 14 of 14 obs.

* JUN 20, 1991 04h 56m 39.74± 0.51s
8.888 N ± 7.9km 127.343 E ± 9.8km
DEPTH = 33.0km (normol)
4.3mb (4 obs.)
PHILIPPINE ISLANDS REGION (248)

DAV	2.50	225	eP	57	20.00	1.0
PLP	3.25	314	ePd	57	29.50	0.0
			eS	57	40.00	
MAP	3.61	294	eP	57	34.00	-0.7
WB2	29.47	167	iPd	02	41.30	-1.8
	0.7s		4.90nm			4.4mb
WARB	34.87	181	eP	03	30.00	-0.2
STK	42.77	162	iPd	04	35.50	-0.4
	1.1s		3.20nm			4.0mb
BWA	47.48	156	eP	05	14.80	1.2
CAN	48.49	156	eP	05	21.70	0.2
FBA	79.83	26	P	08	45.70	-0.5
INK	85.17	22	eP	09	14.00	0.3
MBC	86.82	13	ePc	09	22.80	1.1
	0.8s		9.00nm			5.1mb
YKA	94.58	24	eP	09	58.00	-0.2
	0.8s		1.10nm			4.3mb

S.D. = 0.9 on 12 of 12 obs.

JUN 20, 1991 05h 14m 56.63± 0.62s
3.200 N ± 6.5km 78.657 W ± 11.3km
DEPTH = 33.0km (normol)
4.0mb (2 obs.)
SOUTH OF PANAMA (83)

PSO	2.40	146	iPc	15	34.50	-0.3
YANA	3.29	179	eP	15	48.20	0.6
			S	16	25.80	
OUR	3.35	178	eP	15	49.40	1.0
GGP	3.35	179	P	15	49.30	0.8
			S	16	20.00	
ANGL	3.74	163	P	15	58.00	4.2X
BOG	4.79	73	eP	16	09.00	0.3
			eS	17	06.00	
UPA	5.81	351	eP	16	23.10	0.3
BMG	6.76	55	eP	16	37.50	1.2
NNA	15.19	173	eP	18	36.20	5.6X
	0.7s		8.90nm			4.1mb
ZOBO	21.97	152	P	19	49.20	-1.0
SIV	25.81	138	P	20	25.00	-1.7
ALO	40.78	324	e(P)	22	36.00	-0.8
GOL	43.67	330	(P)	23	02.50	2.1
YKA	64.89	342	eP	25	32.70	-2.0
	0.5s		0.60nm			3.9mb
INK	74.63	342	eP	26	33.50	-0.6

S.D. = 1.3 on 13 of 15 obs.

JUN 20, 1991 05h 18m 52.51± 0.11s

1.196 N ± 2.7km 122.787 E ± 3.3km
DEPTH = 31.4km (geophysicist)
6.2mb (84 obs.) 7.0msz (31 obs.)
MINAHASSA PENINSULA (265)

Ms 7.2 (BRK). At least 1,500 houses were damaged (VI) in the Gorontolo area. Felt (IV) in the Monodo area and (II) at Poso. Depth from broadband displacement seismograms. FAULT PLANE SOLUTION: P-Waves NP1: Strike=275 Dip=75 Slip= 90 NP2: 95 15 90 Principal Axes: T Plg=60 Azm=185 P 30 5

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

RADIATED ENERGY
No. of sto: 9 Focal mech. M Energy 3.0±0.5*10**14 Nm

MOMENT TENSOR SOLUTION
Dep 32 No. of sto: 10
Moment Tensor; Scale 10**20 Nm
Mrr= 0.87 Mtt=-0.72
Mff=-0.15 Mrt=-1.35
Mrf= 0.20 Mtf= 0.07

Principal axes:
T Vol= 1.65 Plg=60 Azm=189
N -0.14 0 98
P -1.51 30 8

Best Double Couple: Mo=1.6*10**20
NP1: Strike= 96 Dip=15 Slip= 88
NP2: 278 75 90

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 73C M.W.: 20S, 55C
Centroid Location:
Origin Time 05:19: 0.7 0.2

Lat 1.04N 0.01 Lon 123.23E 0.01
Dep 15.0 FIX Half-duration 17.7
Moment Tensor; Scale 10**20 Nm
Mrr= 0.55 0.01 Mtt=-0.54 0.00
Mff=-0.01 0.01 Mrt=-2.23 0.04
Mrf= 0.24 0.04 Mtf= 0.12 0.00

Principal Axes:
T Vol= 2.30 Plg=52 Azm=185
N 0.01 2 276
P -2.32 38 8
Best Double Couple: Mo=2.3*10**20
NP1: Strike=109 Dip= 7 Slip= 102
NP2: 276 83 88

TSM	5.59	303	iPc	20	17.00	1.4
			e	21	00.50	
			S	21	18.00	
BKB2	6.38	248	iPc	20	32.50	5.7X
			iS	21	52.70	
DAV	6.48	25	eP+	20	27.00	-1.2
MKS	7.18	207	iPd	20	40.00	1.9
			iS	22	04.50	
AAI	7.26	132	eP	20	41.00	1.8
			eS	22	05.40	
KKM	8.14	306	iPd	20	51.20	-0.3
			iS	21	27.00	
MAP	9.14	7	iPc	21	04.00	-1.4
			eS	21	55.00	
PPR	9.43	335	eP	21	05.00	-4.3X
			eS	22	45.00	
PLP	10.14	12	ePd	21	17.50	-1.6
			eS	21	43.00	
PGP	12.36	352	iPc	21	51.00	1.7
			eS	22	30.00	
TRT	13.44	229	iPd	22	05.00	1.4
	1.3s		1228.70nm			6.7mb
OCP	13.46	353	eP	22	06.20	2.3
BAG	15.27	352	ePd-	22	28.00	0.2
	2.2s		4307.69nm			6.3mb
MTN	16.22	150	eP	22	40.00	0.2
SZP	16.41	352	eP	22	45.00	2.7X
CVP	16.43	357	iPd	22	44.00	1.5
			eS	23	43.00	
PIP	17.16	353	iPd	22	53.00	1.4
			iS	23	37.00	

KNA	17.84	161	iPc	23	02.50	2.3
KGM	19.48	273	ePc	23	20.20	0.2
	0.9s		410.70nm			5.7mb
			e	23	29.40	35kmX
			e	23	50.20	
KLM	21.21	275	ePd	23	39.80	1.8
QIZ	21.80	325	iPd	23	43.50	-0.4
	1.0s		400.00nm			5.8mb
E	15s		155.00um			
IPM	21.99	279	ePc	23	53.10	7.2X
	1.8s		2665.50nm			6.4mb
			e	25	09.00	
			e	26	07.50	
MNDI	22.08	110	e(P)	23	48.00	1.0
HKC	22.59	339	iP	23	52.00	0.2
			iS	28	02.00	
MCO	22.66	337	eP	23	54.70	2.3
SNG	22.89	286	iPc	23	56.90	2.2
	1.0s		1164.00nm			6.3mb
			eS	27	22.10	
GZH	23.61	338	Pd	24	03.00	1.3
N	16s		127.00um			
E	17s		116.00um			
			iS	28	07.00	
MDG	23.84	106	eP	24	05.40	1.4
WB2	23.88	152	iPd	24	03.50	-0.8
	0.7s		648.30nm			6.3mb
ANP	23.88	357	iPd	24	02.00	-2.4
OZH	23.95	351	iPd	24	05.00	0.0
	2.0s		4000.00nm			6.6mb
N	15s		156.00um			
			pP	24	15.20	38kmX
			sP	24	18.50	
			PP	24	43.00	
			S	28	16.00	
TSI	24.31	276	ePc	24	13.00	4.4X
NANU	24.65	196	eP	24	10.80	-1.0
GUMO	25.08	60	eP	24	17.80	1.8
	1.3s		1869.28nm			6.5mb
			e	24	53.80	181kmX
PJG	25.08	60	eP	24	17.80	1.8
GUA	25.10	60	eP	24	17.80	1.6
	1.3s		1476.92nm			6.4mb
			eS	28	28.00	
NNT	25.50	297	iPd	24	21.30	1.4
PMG	26.46	114	iPc+	24	28.30	-0.5
	1.6s		2933.33nm			6.6mb
NST	26.58	304	eP	24	32.60	2.7X
ASPA	26.97	157	iPc	24	32.50	-1.0
	1.7s		933.10nm			6.1mb
			iP	25	01.10	135kmX
			eS	29	30.90	
QIS	27.18	144	iPc	24	34.60	-0.8
			i	30	01.40	
KHT	27.45	301	iPc	24	39.20	1.3
WARB	27.47	172	iPc	24	37.30	-0.7
BDT	28.31	306	iPd	24	45.40	-0.2
	1.0s		77.00nm			5.4mb
CHG	29.21	308	eP	24	54.40	0.6
	1.2s		101.56nm			5.4mb
			eS	29	32.00	
GVA	29.52	330	Pd	24	57.00	0.4
N	18s		160.00um			
E	12s		60.90um			
			PP	25	54.00	
			S	29	50.00	
SSE	29.78	357	Pd	24	58.50	-0.1
	2.5s		960.00nm			6.1mb
N	20s		347.00um			
E	19s		156.00um			
			PP	26	00.00	
			S	29	54.00	
			SS	31	24.00	
WHN	30.27	345	ePc	25	04.00	1.0
	2.5s		600.00nm			6.0mb
Z	20s		228.00um			6.8msz
N	16s		162.00um			
E	20s		238.00um			
			pP	25	13.50	33kmX
			iS	30	04.00	
KMI	30.67	322	eP	25	08.41	1.5
	2.5s		1470.00nm			6.3mb
Z	22s		112.00um			6.5msz
N	19s		36.30um			
E	19s		136.00um			
			ePd	25	18.18	34kmX
			sP	25	24.00	

20d 05h

NJ2	30.91 7.0s Z 22s N 18s E 20s	353 *****nm 153.00um 132.00um 187.00um	eS 30 16.52 eSS 32 10.46 iPd 25 09.00	0.3 6.7mb X 6.6Msz
			iS 30 08.00	
			iPc 25 07.10	-1.8
			iPc 25 16.00	-1.8
			eP 25 17.00	-2.6
MRWA	30.93	192	iPc 25 07.10	-1.8
COOL	31.94	183	P 25 16.00	-1.8
BAL	32.15	190	eP 25 17.00	-2.6
FORR	32.27	171	iPd 25 18.70	-1.9
KLB	32.96	188	eP 25 24.50	-2.1
MUN	33.58	190	eP 25 30.00	-2.0
NWA0	34.34 1.0s Z 30s N 18s E 16s	188 498.00nm ePc 25 36.82 ed 25 56.13 ePd 25 37.70 iPc 25 40.00 1361.00nm	30 08.00	
			25 36.82	-1.8
			25 56.13	82kmX
			25 37.70	-1.6
			25 40.00	-0.1
SHK	34.43	15	ePd 25 37.70	-1.6
QLP	34.51	145	iPc 25 40.00	-0.1
CD2	34.62 1.0s Z 19s E 13s	330 600.00nm 167.00um 86.20um	30 08.00	
			25 41.00	-0.1
			25 54.00	393kmX
			25 41.00	-0.1
			25 41.00	-0.1
XAN	35.16	340	iPd 25 45.20	-0.4
TIA	35.23 2.0s N 15s E 18s	352 2700.00nm 189.00um 37.00um	31 10.00	
			25 45.20	-0.4
			25 57.40	45kmX
			26 02.00	
			27 04.00	
RKG	35.99	188	eP 25 53.00	0.4
STK	37.42	153	iPc 26 04.20	-0.4
DL2	37.54 1.4s N 21s E 18s	359 1900.00nm 297.00um 63.20um	31 17.00	
			25 53.00	0.4
			26 04.20	-0.4
			27 28.10	
			31 51.60	
TIY	37.57	346	iPd 26 04.70	-1.2
MAJO	37.96 2.0s N 18s E 16s	20 1570.00nm 152.00um 115.00um	31 48.00	
			26 04.70	-1.2
			31 50.00	
			34 26.00	
			26 07.24	-1.9
MAT	37.96	20	ePd 26 16.35	31kmX
SVO	38.29 1.3s Z 18s E 16s	106 86.00nm 152.00um 115.00um	26 16.35	31kmX
			26 24.90	
			32 15.67	
			34 28.10	
			26 07.00	-2.2
HNR	38.48	107	eP 26 14.00	0.2
LZH	38.91	335	ePd 26 18.39	1.0
ADE	38.94 1.3s Z 18s E 16s	159 86.00nm 152.00um 115.00um	31 50.00	
			26 11.00	-1.2
			26 14.00	0.2
			26 18.39	1.0
			26 07.00	-2.2
BJI	39.13	352	eP 26 18.22	-0.6
CMS	39.17 1.2s Z 19s N 18s E 16s	148 400.00nm 199.00um 79.60um 96.00nm	26 27.77	32kmX
			26 30.00	
			26 40.46	
			26 48.46	
			27 52.00	
BRS	40.49	137	iPd 26 30.00	-0.4
HHC	40.76	347	iPd 26 33.00	0.5
BTO	40.90 6.0s N 18s E 17s	345 6300.00nm 204.00um 117.00um	26 29.00	-0.8
			26 29.00	-0.8
			26 29.00	-0.8
			26 29.00	-0.8
			26 29.00	-0.8
LSA	41.34	316	P 26 40.00	2.2
CN2	42.49	3	Pd 26 45.00	-1.5
BWA	42.82	148	iPc 26 51.70	2.3
GTA	43.43	334	iPd 26 56.40	2.0
MDJ	43.65 1.5s Z 35s N 16s E 16s	7 450.00nm 303.00um 70.60um 69.60um	26 56.00	
			26 56.00	
			26 56.00	
			26 56.00	
			26 56.00	
RIV	43.88	145	iP+ 27 00.00	2.1
GUN	44.18	310	P 27 01.96	1.0
PKI	44.37	310	P 27 03.06	0.6
KKN	44.58	310	P 27 04.80	0.8
DMN	44.62	309	P 27 05.34	0.9
SAP	44.86	19	eP 27 07.00	1.3
GKN	45.18	310	P 27 09.36	0.6
KOD	45.92	283	iPc 27 15.40	0.5
HYB	46.36	293	iPc 27 19.00	0.9
HIA	47.96	357	iS 34 06.50	
DZM	48.45	121	iPc 27 35.00	0.5
BKM	48.52	115	iPc 27 36.70	1.8
PVC	48.60	115	iPc 27 36.00	0.5
YSS	48.83	18	iPd 27 36.00	-0.9
TAU	49.14	156	iPc 27 39.11	-0.2
POO	50.98	293	iPc 27 52.50	-1.3
NDI	51.33	307	iPc 27 55.00	-1.3
BOM	52.01	293	eP 28 01.80	0.2
WMO	52.67 2.0s Z 19s N 17s	328 700.00nm 91.30um 180.00um	28 06.96	0.7
			28 06.96	0.7
			28 06.96	0.7
			28 06.96	0.7
			28 06.96	0.7
IRK	53.20	346	iP- 28 10.00	0.1
NDF	56.99	112	eP 28 25.90	-12.1X
KSH	57.12	318	Pc 28 40.00	1.3
TLG	58.20	322	iPd 28 47.40	1.2
PET	59.60	24	iPd 28 56.00	0.4
FRU	59.70	321	iPc 28 57.00	0.4
QUE	60.23	304	iP 29 00.00	-0.6
MSZ	60.74	145	eP 29 04.30	0.8
YAK	60.89	4	iPd- 29 04.00	-0.3
TLC	61.71	145	P 29 09.90	-0.4
DSH	61.74	314	iPc 29 10.00	-0.6
THZ	62.23	140	P 29 13.90	0.1
LTZ	62.34	141	P 29 14.30	-0.2
CNZ	62.80	136	P 29 18.20	0.5
RATZ	62.81	136	P 29 19.00	1.4
NGZ	62.83	136	Pd 29 18.70	0.8
KETZ	62.83	136	Pd 29 18.90	1.0
KHZ	62.97	140	P 29 18.10	-0.4
KIW	63.13	138	P 29 18.90	-0.7
MRW	63.16	138	P 29 18.80	-1.0
WEL	63.23	138	Pd+ 29 19.80	-0.5
CAW	63.34	138	P 29 19.70	-1.4
WDW	63.37	138	P 29 19.60	-1.6
MNG	63.40	137	P 29 20.10	-1.3
MOW	63.61	138	P 29 21.80	-1.1
BLW	63.74	138	P 29 22.90	-0.8
PGZ	63.93	137	P 29 24.20	-0.7
HBZ	64.09	133	P 29 26.30	0.3
PUZ	64.24	134	P 29 26.00	-1.1
AFI	66.51	106	iPc 29 42.58	0.5
SMY	66.64	31	P 29 42.70	0.6

Z	20s	70.00um		6.9Msz	KAS	88.48	311	eP	31	44.00	0.6				iPP	35	56.63					
PAF	67.56	214	iPc	29	56.00	8.0X	COL	88.68	25	iPc	31	42.50	-1.3		S	43	21.50					
			ePP	32	24.00				epPd	31	52.43	31kmX		DIM	94.60	312	eP	32	11.00	-0.7		
			eS	39	48.00		FBA	88.68	25	P	31	42.10	-1.7		CMP	94.62	315	ePc	32	11.00	-0.7	
			eSS	42	56.00		APA	88.69	337	iPc	31	42.00	-1.8		PVL	94.63	313	iPc	32	11.00	-0.7	
CSY	67.91	185	eP	29	49.00	-0.9	CSS	88.88	305	eP	31	44.50	-0.9		KDZ	94.73	312	eP	32	11.00	-1.3	
	0.7s	117.10nm			6.1mb		AKSR	89.31	293	eP	31	44.80	-2.8		TNR	95.11	316	ePc	32	18.00	4.0X	
MAIO	67.96	309	iPc+	29	51.00	0.0		2.0s	658.00nm			6.6mb		SEK	95.11	242	iPd	32	14.40	-0.1		
	1.2s	194.44nm			6.1mb		ASW	89.43	294	iPc	31	48.00	-0.1			1.3s	394.23nm			6.7mb		
			eS	39	20.00				eS	42	10.00			PLD	95.21	312	eP	32	14.00	-0.5		
TIK	70.44	2	iPc	30	03.60	-1.7	AGAL	89.50	293	eP	31	50.00	1.5				e	36	03.00			
ADK	71.27	35	e(P)	30	09.20	-1.5	KLU	89.58	29	P	31	47.90	-0.3		MBC	95.26	12	eP	32	14.00	-0.1	
	1.2s	219.70nm			6.1mb		AKRL	89.60	294	eP	31	45.60	-3.3X			1.0s	63.00nm			6.0mb		
DHR	73.93	297	iPc	30	27.00	0.1	PMO	89.64	105	iP	31	53.20	3.9X		SIT	95.46	32	P	32	13.80	-1.5	
			iS	39	50.00			1.6s	2025.00nm			7.2mb		Z	22s		53.76um			7.0Msz		
TEH	74.25	307	eP	30	28.00	-0.8	PPCY	89.69	305	eP	31	48.50	-0.7		PGB	95.55	313	eP	32	15.00	-1.2	
IR4	74.55	306	iPc	30	30.50	-0.1	AGMR	89.75	293	eP	31	50.20	0.5				e	36	17.00			
IR1	74.75	306	iPc	30	32.00	0.2		1.5s	390.00nm			6.5mb		MMB	95.99	312	eP	32	17.00	-1.1		
IR5	74.81	306	eP	30	32.50	0.4	VAH	89.91	105	iP	31	54.10	3.6X		DEV	96.03	316	ePc	32	19.00	0.8	
IR7	74.86	307	iPc	30	32.50	0.1		1.6s	1015.00nm			6.8mb		UZH	96.04	319	P	32	19.00	0.9		
RYD	76.95	295	iPc	30	45.50	1.2	TPT	89.91	105	iP	31	54.40	3.9X		VTS	96.25	313	eP	32	18.00	-1.5	
			iS	40	30.00			1.6s	1825.00nm			7.1mb		UPP	96.55	331	iP	32	18.30	-1.9		
KER	77.51	305	ePc	30	47.00	-0.3	RUV	90.14	105	iP	31	55.10	3.5X			1.1s	100.00nm			6.2mb		
CRZF	77.82	222	iPc	30	57.00	8.5X		1.6s	810.00nm			6.7mb					iPP	36	28.00			
			ePP	33	07.00		PUL	90.23	330	eP	31	51.00	-0.1				iSKS	42	47.00			
			eS	40	08.00				iS	42	39.00			VAY	96.89	312	iPDIF	32	19.40	-2.7		
KMSA	78.61	290	iPc	30	52.50	-1.0	HLW	90.67	300	eP+	31	53.70	-0.1		FRS	97.08	240	iPd	32	21.00	-2.2	
TAB	78.61	308	iPc	30	53.00	-0.3			eS	42	24.00				1.0s	180.00nm			6.6mb			
RAR	78.73	112	P	30	56.00	2.0	KEV	90.89	340	eP	31	53.00	-1.1		SPC	97.28	320	ePKP	32	22.70	-1.3	
MAW	80.04	200	iP	31	00.60	0.4			i	31	58.00	16kmX					e	35	40.60			
	1.0s	311.00nm			6.3mb				e	35	36.00						e	36	22.20			
Z	20s	184.00um			7.4Msz				e	40	50.00			KRA	97.32	321	eP	32	22.60	-1.3		
									e	42	00.00				1.0s	87.00nm			6.2mb			
ABHA	80.16	288	iPc	31	04.50	2.3	BCK	91.03	307	eP	31	54.60	-0.8		Z	24s	81.20um			7.1MszX		
BISH	80.37	290	iPc	31	04.00	1.0	SPA	91.19	180	iPc	31	55.00	-0.7		E	24s	87.40um					
ANM	81.18	25	ePd	31	06.90	0.5		1.0s	310.00nm			6.6mb					e	32	28.00	17kmX		
BKR	81.20	312	iPc	31	07.00	-0.1		Z	20s	45.95um			6.9Msz				e	32	31.40			
SDN	81.47	34	P	31	07.50	-0.5			i	35	31.20						i	32	35.60			
	0.9s	583.33nm			6.6mb		EYL	91.23	310	eP	31	55.50	-0.9				i	36	33.00			
SBA	82.41	171	iPc	31	13.90	1.4	MTD	91.49	253	iPd	31	57.40	-0.5				i	43	01.00			
			S	42	20.80				i	32	43.50	184kmX		SKO	97.64	312	ePDIF	32	23.00	-2.5		
AAE	83.91	279	eP	31	23.70	1.9			i	35	34.30				2.0s	161.00nm			6.2mb			
SVW	84.89	29	ePc	31	25.70	0.3			i	36	04.20			Z	21s	33.17um			6.8Msz			
	0.9s	154.17nm			6.2mb				i	36	04.20			N	21s	36.33um						
TTA	84.93	27	P	31	25.70	0.0	CIR	91.55	249	iPd	32	01.60	3.6X		E	20s	33.44um					
NAI	86.01	269	iP+	31	34.50	2.2	HRT	91.59	311	eP	31	57.00	-0.9				i	32	31.60	27kmX		
Z	20s	29.18um			6.7Msz		KHL	91.83	308	eP	31	57.80	-1.3				i	36	18.50			
			ePP	35	00.00		ITU	92.07	311	iPc	32	00.00	0.0				iPP	36	29.00			
			ePPP	36	52.00		PSN	92.52	314	eP	32	02.00	0.0				iPPP	38	14.00			
			SKS	42	00.00		KBS	92.78	350	eP	32	01.50	-1.1				iSKS	43	00.00			
CSTJ	86.06	301	Pc	31	33.05	1.1	YER	92.88	307	iP	32	03.00	-1.0				LR	43	49.00			
IMA	86.28	24	P	31	31.80	-0.6	CLI	92.93	317	eP	32	00.00	-3.9X		PSZ	97.74	319	iP	32	25.00	-0.9	
GHZJ	86.35	300	P	31	34.18	0.7	NUR	92.98	331	eP	32	03.00	-0.8		NVL	97.93	198	ePd-	32	26.50	0.3	
MDSJ	86.42	301	P	31	34.30	0.5		0.9s	43.90nm			5.9mb					e	32	50.00	86kmX		
JARJ	86.69	302	Pc	31	35.43	0.4			i	36	00.00						e	33	21.00			
QBN	86.84	325	iPc	31	34.00	-1.1			e	42	32.00						e	33	47.00			
	1.7s	2100.00nm			7.1mb				e	43	04.00						e	34	50.00			
Z	20s	60.00um			7.0Msz				e	44	18.00						ePP	36	24.00			
			eS	42	12.00				e	46	12.00						e	37	42.00			
HRI	86.88	303	iPc	31	36.10	0.1	EDC	92.99	310	eP	32	02.00	-2.3				e	37	54.00			
MASJ	86.88	302	P	31	36.58	0.6	KRI	93.38	253	iPd	32	06.00	-0.7				ePP	38	32.00			
GLH	86.94	303	iPc	31	36.90	0.7			i	33	31.00						eSKS	43	10.00			
MKRJ	86.95	301	Pc	31	37.02	0.7			i	35	56.20						eSKKS	43	17.00			
BHL	86.96	304	Pc	31	36.00	-0.3			i	42	38.00						eS	43	35.00			
			SKS	42	08.00				i	32	05.50	-0.5					e	43	50.00			
LISJ	87.08	301	Pc	31	37.60	0.9	VRI	93.38	316	ePc	32	03.00	-3.3X				e	44	16.00			
JVI	87.20	302	iPc	31	37.70	0.2	MFT	93.40	311	eP	32	00.00	-1.1				e	44	46.00			
ATZ	87.27	303	iPc	31	38.30	0.5	KGT	93.41	310	eP	32	03.00	-3.2X				ePS	44	54.00			
HOL	87.45	299	iPc	31	39.00	0.4	PTT	93.51	317	eP	32	07.00	0.4				ePPS	45	41.00			
SLKM	87.48	30	ePd	31	37.10	-1.1	ISR	93.57	315	ePc	32	08.00	1.0				e	46	16.00			
PRNI	87.49	300	iPc	31	39.40	0.5	TRO	93.69	340	eP	32	06.00	-0.9				e	46	16.00			
MBH	87.59	300	iPc	31	39.70	0.3	JMB	93.78	313	eP	32	07.00	-0.9									
RMN	87.81	300	iPc	31	40.70	0.2			e	36	02.00			OHR	98.24	312	ePDIF	32	25.50	-2.8		
PMR	88.04	29	eP	31	38.50	-2.2			e	32	07.00	-1.1			1.2s	72.00nm			6.1mb			
	0.8s	62.07nm			6.0mb		INK	93.94	21	eP	32	07.00	-1.1				ePP	36	05.80			
Z	22s	56.99um			6.9Msz			1.2s	162.00nm			6.3mb						e	32	26.10	-2.3	
			eS	42	05.50		MLR	93.96	316	ePc	32	06.00	-2.8		HFS	98.38	331	eP	32	26.10	-2.3	
PAE	88.10	108	iP	31	45.80	3.9X	BUC1	94.01	314	ePd	32	10.00	1.1			1.3s	60.10nm			6.0mb		
	1.6s	280.00nm			6.3mb		EZN	94.21	310	eP	32	08.30	-1.6		Z	21s	71.58um			7.1Msz		
PPT	88.10	108	iP	31	45.90	4.0X	BUL	94.33	250	iPc	32	09.90	-1.1				LR	09	03.00			
	1.6s	380.00nm			6.5mb				i	32	47.00	145kmX					eP	32	26.80	-2.2		
PPN																						

BSD	99.17	326	iPc	32	32.30	0.2		Z	20s	70.92um		7.2Msz		iPS	47	18.35					
	0.9s	153.00nm				6.5mb				S	43	32.00		PRI	110.46	51	ePKP	37	26.10	2.1	
		i		32	38.00	18kmX		FEL	105.47	321	PKP	37	29.62	15.4X	FRI	110.93	49	ePKP	37	27.90	3.2X
DAG	99.22	352	iPd+	32	31.30	-0.7				ePdiff	33	01.00	0.0				ePKKP	48	26.30		
	1.0s	93.00nm				6.3mb		Z	20s	54.90um		7.1Msz		DMU	111.18	331	ePKP	37	27.00	2.4	
	24s	102.33um				7.2MszX				ePP	37	04.00					e	48	26.00		
KSP	99.44	322	eP	32	33.70	0.2				eSKS	43	40.00		SES	111.21	34	ePdiff	33	26.00	0.0	
	1.0s	45.00nm				6.0mb				eS	45	00.00		SES	111.21	34	ePKP	37	25.00	0.1	
		i		32	41.00	23kmX				ePS	46	34.00			1.8s	246.00nm					
NAO	99.50	333	P	32	31.50	-2.1				eSS	52	39.00		SBC	111.71	52	ePdiff	33	32.56	4.1X	
	1.3s	81.10nm				6.1mb				eSSS	56	23.00					ed	33	39.19		
ZST	99.52	319	e(PKP)	32	33.70	-0.2		LIBD	105.64	321	PKP	37	30.61	16.3X			ePP	38	10.47		
	Z	15s	51.20um			7.1MszX		WLS	105.70	321	PKP	37	29.39	14.8X			eHPP	38	13.62		
		e		36	14.90			ENN	105.72	324	ePdiff	33	08.00	6.6X			eSKS	44	09.39		
		i		36	47.40				1.1s	14.00nm		5.9mb				e	45	12.96			
VKA	100.02	319	ePdiff	32	36.00	-0.2				ePP	37	30.00					eSDIF	45	53.12		
		i		32	40.10					ePKKP	48	38.00		ISA	112.30	51	ePKP	37	32.00	4.5X	
		iPP		36	46.50			MEM	105.73	324	Pdiff	33	06.70	5.2X	ISA	112.30	51	ePdiff	33	32.35	1.1
		iSKS		43	15.00			CDF	105.75	321	PKP	37	29.17	14.5X			iPP	38	13.29		
		iS		44	10.00			ECH	105.89	321	PKP	37	30.42	15.5X			eHPP	38	17.76		
COP	100.36	327	iPdiff	32	39.00	1.5		BBS	105.93	320	PKP	37	33.16	18.1X			eSKS	44	12.21		
	Z	19s	56.25um			7.1Msz		COR	105.97	43	ePdiff	33	05.45	2.8X			eSDIF	45	55.11		
		i		37	01.00					epPd	33	13.45					ePS	47	29.20		
		i		43	16.00					esPd	33	17.87		LRM	112.57	38	ePdiff	33	31.90	-0.5	
PTJ	100.80	317	iPdiff	32	39.50	-0.3				ePP	37	24.93		BTH	112.61	318	Pdiff	33	40.00	7.7X	
ZAG	100.80	317	ePdiff	32	41.00	1.3				iSKS	43	45.39					PP	38	20.00		
BRG	100.87	322	ePdiff	32	39.40	-0.5				eSDIF	44	55.57		CLC	112.92	50	ePKP	37	31.00	2.3	
	1.8s	150.00nm				6.2mb		MOF	106.03	321	PKP	37	33.47	18.2X	PAS	113.01	52	ePKP	37	30.00	1.2
	Z	18s	46.00um			7.0Msz		LON	106.25	40	ePdiff	33	05.31	1.3	PAS	113.01	52	iPdiff	33	37.01	2.7X
	N	20s	37.00um							esPd	33	16.63					ed	33	44.74		
	E	20s	18.50um					UCC	106.62	324	Pdiff	33	11.00	5.6X			iSKS	44	15.22		
		i		32	46.40					PP	37	44.00					iSDIF	45	58.76		
		i		33	02.40					SKS	43	43.00		EBR	113.07	316	ePdiff	33	36.00	1.6	
		i		36	05.20					S	45	10.00					ePP	38	09.00		
		i		39	27.80					SP	46	46.00					e	38	25.00		
		iSKS		43	12.00			PNT	106.70	37	ePdiff	33	07.00	1.1	MWC	113.08	52	ePKP	37	32.00	2.8X
		iS		44	16.00			SNF	106.78	324	Pdiff	33	09.90	3.7X	SBB	113.11	51	ePKP	37	30.00	0.9
		ePKKP		49	03.40			LPG	107.09	319	ePdiff	33	08.50	0.4	FFC	113.26	26	ePKP	37	28.00	-0.6
		eP*P*		56	58.80				1.2s	20.85nm		6.1mb			0.9s	31.00nm					
BRN	100.89	324	ePdiff	32	41.00	1.1		DOI	107.10	318	PKP	37	34.50	17.1X	RVR	113.69	52	ePKP	37	30.00	-0.1
CLL	101.32	323	ePdiff	32	42.00	0.1		LPL	107.10	319	ePdiff	33	08.60	0.5	GSC	113.70	50	ePKP	37	26.00	-4.3X
	Z	19s	61.50um			7.1Msz			1.2s	17.85nm		6.0mb		GSC	113.70	50	ePdiff	33	40.28	2.8X	
		e		32	52.00					ePdiff	33	12.70	2.0				ePP	38	26.57		
		eSKS		43	14.00			WDC	107.73	47	ePdiff	33	21.90	3.3X			eSKS	44	20.69		
		eS		44	18.00			WDC	107.73	47	ePKP	37	21.90	3.3X			iSDIF	46	06.91		
		PKKP		49	17.00					ePKKP	48	33.60					ePS	47	50.51		
VBY	101.36	317	ePdiff	32	41.50	-0.7		LOR	108.31	321	ePdiff	33	06.20	-6.9X	-						
KMR	101.49	320	iPdiff	32	24.30	-18.4X			1.0s	10.00nm		5.9mb		VAL	113.96	330	Pdiff	33	40.00	1.9	
		i		32	42.40			Z	21s	90.00um		7.3Msz		PLM	114.30	52	ePKP	37	33.00	1.4	
		iPP		37	04.00			LBF	108.35	321	ePdiff	33	04.80	-8.5X	BAR	114.67	53	ePKP	37	33.00	0.9
KHC	101.56	321	iPdiff	32	42.50	-0.6			1.2s	10.40nm		5.9mb		TPC	114.69	51	ePKP	37	33.00	0.8	
	1.5s	22.30nm				5.5mb		MIN	108.48	47	ePKP	37	23.40	3.2X	DUG	114.79	44	PKP	37	32.40	0.1
		PP		37	05.00					ePKKP	48	34.40		BW06	115.83	40	PKP	37	33.00	-1.3	
LJU	101.73	318	ePdiff	32	43.00	-0.8		SSF	108.61	321	ePdiff	33	07.20	-7.3X	AIA	115.88	177	e(PKP)	37	38.00	4.7X
CSI	101.86	311	Pdiff	32	48.00	3.4X			1.0s	4.00nm		5.6mb		MSU	115.94	46	PKP	37	32.70	-1.9	
CEY	101.87	317	ePdiff	32	43.40	-1.1		NEW	108.64	38	ePdiff	33	14.00	-0.6	GLA	116.01	52	ePKP	37	35.00	0.3
MMN	102.07	311	Pdiff	32	44.50	-0.9			Z	20s	50.00um		7.1Msz		TOL	116.61	316	iPKP+	37	39.00	3.4X
CZI	102.09	310	Pdiff	32	51.00	5.4X				ePP	37	22.50					iPP	38	48.00		
VOY	102.16	318	ePdiff	32	45.30	-0.6		BRK	108.73	49	ePdiff	33	16.00	0.8				ePPP	40	59.00	
BER	102.18	333	ePdiff	32	52.00	6.6X				ePP	37	52.00					eSKS	44	10.00		
KBA	102.26	319	ePdiff	32	45.50	-0.9				e	41	40.00					iPS	48	20.00		
TRI	102.33	317	ePdiff	32	50.90	4.4X				eS	47	10.00					IPPS	49	48.00		
		iPP		37	03.00					eSPSPS	53	00.00		MVO	118.02	319	ePKP	37	55.00	16.7X	
		eSKS		43	26.50			PCC	108.75	50	ePKP	37	24.30	3.7X	PV09	118.10	44	ePKP	37	39.00	0.2
		iSP		45	56.00			BKS	108.75	49	ePdiff	33	16.00	0.7				ePKKP	47	59.00	
		iSPP		46	56.00					ePP	37	58.00									
		iSS		51	40.00					eS	43	56.00		MAL	118.25	313	iPKPd	37	41.80	3.1X	
		iSSS		55	00.00					ePS	47	00.00		RSSD	118.58	37	PKP	37	37.90	-1.5	
		iLR		06	56.00					eSS	52	06.00		MTE	118.73	318	ePKP	37	42.00	2.4	
MOX	102.35	323	ePdiff	32	46.00	-0.5				eSSS	56	42.00					i	39	12.50		
	2.1s	160.00nm				6.3mb				eLR	03	24.00		LIJA	118.90	314	ePKP	37	39.50	-0.6	
WTTA	103.33	319	ePdiff	32	49.00	-2.2				eLR	09	06.00		PTO	119.06	320	ePKP	37	42.80	2.7X	
	1.6s	105.00nm				6.3mb		ORV	108.80	47	ePKP	37	23.10	2.5	GOL	120.09	42	ePKPc	37	41.50	-1.0
		id		32	50.50			MHC	109.36	50	ePdiff	33	21.00	2.8X				PKKP	47	50.70	
		e		36	13.00					ePP	37	56.00					e	50	59.00		
		iPP		37	13.90					iPS	47	13.00		IFR	120.12	310	iPKP	37	42.00	-0.7	
YKA	103.40	24	ePdiff	32	50.90	0.0				iSS	53	37.00					i	37	43.50		
	1.0s	5.60nm				5.3mb				eLR	09	21.00		GLD	120.16	42	ePKPc	37	42.00	-0.6	
SOTA	103.62	319	iPdiff	32	51.80	-0.6		PRS	109.86	51	ePKP	37	25.80	3.0X	Z	22s	100.81um			7.4Msz	
SFI	104.11	316	Pdiff	32	57.80	3.4X		CMB	110.10	49	e(Pdiff)	33	27.60	6.3X	MOE	120.20	317	ePKP	37	43.00	0.6
CRE	104.12	316	Pdiff	32	58.80	4.1X		CMB	110.10	49	ePKP	37	23.90	0.7	FIG	120.52	315	ePKP	37	45.00	1.9
WIT	104.52	326	ePdiff	33	02.00	6.0X						37	40.20		MTH	120.59	318	ePKP	37	43.50	0.4
WTS	104.74	325	ePdiff	33	01.00	4.0X				ePKKP	48	28.90		LIS	120.65	317	ePKP	37	45.00	1.8	
		ePP		37	22.00			CMB	110.10	49	ePdiff	33	30.92	9.6X							

Z 20s 67.38um 7.3Msz				NNA 157.77 120 iPKPc 38 48.80 0.6				KLU 2.94 56 eP 41 05.95 -0.6			
AVE 121.95 311 iPKP 37 47.50 1.6				1.4s 139.53nm 7.2Msz				31 obs. associated			
TIO 122.83 308 iPKP 37 48.50 0.7				LRS 158.44 26 PKP 38 48.00 -0.8				JUN 20, 1991 06h 27m 24.18±0.16s			
SCH 123.62 7 ePKPd 37 48.30 -0.2				PPD 158.51 195 ePKP 38 49.50 0.7				1.173 N ± 3.1km 122.882 E ± 3.9km			
KIC 127.09 279 PKP 37 56.34 0.0				GGP 158.59 87 PKP 38 52.60 2.7X				DEPTH = 20.7km (5 depth phases)			
TIC 127.33 279 PKP 37 56.62 -0.2				YANA 158.62 87 ePKP 38 50.50 0.8				5.6mb (58 obs.) 5.4Msz (1 obs.)			
LIC 127.39 279 PKP 37 56.82 -0.1				QUR 158.66 87 ePKP 38 51.40 1.7				MINAHASSA PENINSULA (265)			
LKO 127.50 283 PKP 37 55.62 -1.6				PORP 158.74 25 PKP 38 49.00 -0.1				TSM 5.68 302 iPd 28 51.30 1.7			
TUL 128.49 40 iPKPd 37 56.60 -1.8				CLLP 158.74 25 PKP 38 48.00 -1.0				BKB2 6.45 248 iPc 29 12.30 11.8X			
Z 22s 75.51um 7.3Msz				CAI 159.29 255 iPKPc 38 48.10 -1.7				DAV 6.46 24 ePd 28 59.50 -1.1			
FVM 130.41 35 ePKPc 38 00.80 -1.2				ARE 159.31 138 ePKP 38 52.00 1.9				AAI 7.18 132 eP 29 12.00 1.4			
PDA 131.51 326 iPKPd 38 11.40 7.3X				ANGL 159.66 88 ePKP 38 51.40 0.6				MKS 7.20 208 iPc 29 16.70 5.7X			
MRX 132.14 62 (PKP) 38 05.50 -0.2				PSO 159.75 83 ePKP 38 51.50 0.6				KKM 8.23 306 ePc 29 25.30 -0.1			
CRX 133.57 62 (PKP) 38 09.00 0.1				LPB 161.37 145 PKPc 38 48.50 -3.9X				MAP 9.16 7 iPd 29 38.00 -0.2			
TAC 134.00 61 (PKP) 38 10.00 0.3				ZOBO 161.56 145 ePKPc 38 53.52 0.7				PLP 10.14 12 ePd 29 49.50 -2.3			
III 134.13 63 (PKP) 38 11.50 1.6				BMG 162.17 62 iPKPd 38 51.50 -1.4				PGP 12.40 351 eP 30 23.00 0.6			
SCP 134.17 22 ePKPc 38 07.20 -1.9				BOG 162.20 71 iPKPc 38 56.00 2.7X				TRT 13.50 229 ePc 30 38.10 1.0			
TPM 134.27 62 (PKP) 38 02.00 -8.1X				SDV 163.29 53 iPKPd 38 54.50 0.4				BAG 15.31 352 eP 31 00.50 -0.5			
ACX 134.28 65 (PKP) 38 08.70 -1.2				TOV 163.39 49 ePKP 38 54.50 0.5				MTN 16.15 150 eP 31 13.00 1.2			
HRV 134.61 15 ePd i f 35 13.74 3.5X				FDF 163.70 14 ePKP 38 55.00 0.7				KGM 19.57 273 ePc 31 55.00 1.0			
PPM 134.62 62 (PKP) 38 04.50 -6.7X				SIV 164.81 166 iPKPc 38 55.80 0.5				KLM 21.31 275 eP 32 13.30 1.3			
IIT 134.92 61 (PKP) 38 16.50 5.1X				CAR 164.88 40 ePKP 38 55.30 -0.2				QIZ 21.87 325 P 32 18.00 0.3			
TXNY 135.09 18 iPKP 38 11.20 0.4				CEOS 164.97 47 iPKP 38 54.90 -0.7				N 13s 8.10um S 36 17.00			
TBR 135.11 18 ePKPc 38 12.00 1.2				TRN 167.52 19 ePKP 38 57.35 -0.1				MNDI 21.98 110 eP 32 20.00 0.9			
LVNJ 135.24 19 PKP 38 12.20 1.1				TPP 167.81 20 ePKP 38 59.01 1.4				IPM 22.09 279 ePc 32 27.00 7.1X			
PNJ 135.35 18 PKP 38 12.50 1.2				S.D. = 1.2 on 367 of 460 obs.				SNG 22.98 286 iPc 32 30.10 1.4			
GMTN 135.36 18 iPKP 38 07.30 -4.0X				& JUN 20, 1991 05h 40m 19.78s				GZH 23.67 338 Pc 32 36.60 1.3			
IISM 135.75 61 (PKP) 38 06.80 -5.8X				59.936 N 150.977 W				Z 18s 12.10um 5.4Msz			
BLA 136.15 27 ePKPc 38 11.30 -1.7				KENAI PENINSULA, ALASKA (14)				N 14s 15.50um			
CBN 136.60 23 PKPd 38 05.00 -8.7X				<AEIC>. ML 2.5 (AEIC).				E 17s 11.90um			
OXX 137.03 63 (PKP) 38 14.70 -0.7				NNL 0.19 304 iP 40 25.93 1.3				MDG 23.74 106 eP 32 38.40 2.3			
JSC 138.11 30 ePKP 38 07.00 -9.7X				CNPM 0.43 198 iP 40 28.40 -0.2				W82- 23.81 152 iPc 32 36.80 0.1			
PBJ 138.44 63 (PKP) 38 17.00 -0.8				XLV 0.61 218 eP 40 31.08 -0.6				QZH 23.99 350 eP 32 39.60 1.2			
TPX 141.81 64 (PKP) 38 26.20 2.3				SLKM 0.69 33 eP 40 32.11 -0.8				TSI 24.41 276 ePc 32 44.50 2.0			
LNV 144.80 159 ePKP 38 28.00 -0.5				SEW 0.79 77 eP 40 33.86 -0.7				NANU 24.66 196 eP 32 44.60 -0.3			
TACH 145.24 160 iPKPc 38 24.00 -5.3X				NKA 0.82 351 eP 40 36.13 1.0				GUMO 25.01 59 eP 32 51.00 2.6			
PCH 145.42 160 ePKPc 38 29.50 -0.2				RDT 0.96 313 eP 40 36.59 -1.0				GUA 25.03 60 eP 32 50.20 1.7			
IHA 145.56 158 ePKP 38 29.50 -0.3				REF 1.02 304 iP 40 37.79 -1.0				LAT 25.30 108 eP 32 52.10 1.0			
PEL 145.79 160 iPKPc 38 31.00 0.7				RSO 1.03 302 eP 40 37.89 -1.1				NNT 25.59 297 iPd 32 54.90 1.0			
LPA 146.45 179 PKPc+ 38 32.00 0.8				RS2 1.03 302 eP 40 37.97 -1.0				PMG 26.36 114 iPc 33 00.50 -0.5			
Z 20s 106.38um 7.6Msz				RDN 1.06 304 iP 40 38.10 -1.3				ASPA 26.91 157 iPd 33 04.70 -1.3			
MDZ 146.63 162 iPKP 38 31.80 0.1				RDW 1.07 302 eP 40 38.35 -1.2				QIS 27.10 144 iPc 33 07.40 -0.4			
RTCB 147.94 161 ePKPd 38 35.20 1.3				DFR 1.08 308 iP 40 38.35 -1.3				WARB 27.44 173 eP 33 10.50 -0.3			
RTLL 148.19 162 e(PKP) 38 36.00 1.8				NCT 1.16 304 iP 40 39.60 -1.5				KHT 27.54 301 eP 33 13.20 1.4			
GCM 148.73 48 ePKP 38 36.80 1.5				SPU 1.36 337 iP 40 42.73 -1.3				CHG 29.30 308 ePc 33 28.00 0.3			
SPJ 152.34 45 ePKP 38 47.06 6.2X				AUI 1.38 245 eP 40 42.79 -1.5				GYA 29.59 330 P 33 31.00 0.7			
STH 152.82 44 ePKP 38 48.14 6.7X				CKL 1.43 333 iP 40 43.99 -1.1				SSE 29.80 357 Pc 33 33.00 1.0			
HOJ 152.91 44 ePKP 38 54.91 13.4X				CRP 1.46 337 eP 40 44.69 -0.8				KMI 30.74 322 eP 33 41.80 1.1			
YHJ 153.17 44 ePKP 38 42.06 0.2				CGLM 1.47 340 eP 40 44.78 -0.8				MRWA 30.93 192 eP 33 40.90 -1.1			
RDJ 154.51 211 iPKPd 38 46.80 3.2X				PMS 1.49 27 eP 40 46.19 0.4				NJ2 30.95 353 Pc 33 43.00 0.9			
BMA 155.14 210 ePKP 38 46.20 1.7				BGL 1.50 333 eP 40 44.86 -1.2				CTAO 31.17 134 iPc 33 44.00 -0.2			
ECO 155.27 64 (PKP) 38 54.30 9.4X				SUA 1.54 4 eP 40 45.88 -0.7				COOL 31.92 183 eP 33 48.00 -2.7			
SLA 155.27 162 ePKP 38 46.00 1.2				LTI 1.57 85 eP 40 45.67 -1.3				BAL 32.14 190 eP 33 51.00 -1.6			
UPA 155.57 65 ePKPc+38 44.50 -0.8				NCG 1.58 339 eP 40 46.51 -0.8				KLB 32.95 188 eP 33 58.00 -1.6			
Z 20s 34.40um 7.2Msz				MTU 1.67 87 eP 40 47.56 -0.9				MUN 33.57 190 eP 34 03.00 -2.0			
ITB7 156.03 187 e(PKP) 38 55.00 9.3X				KNIM 1.67 74 eP 40 47.30 -1.2				NWA0 34.33 188 eP 34 10.40 -1.2			
VAO 156.15 204 ePKP 38 47.20 1.2				KNK 1.93 39 eP 40 51.03 -1.2				QLP 34.43 145 eP 34 12.00 -0.5			
ITB 156.36 187 e(PKP) 38 33.80 -12.3X				SKT 2.07 353 eP 40 53.97 -0.3							
ITB1 156.53 186 ePKP 38 48.00 1.7				GHO 2.10 28 eP 40 53.74 -1.0							
PT10 157.62 120 e(PKP) 38 50.00 2.1				VZW 2.46 61 eP 40 58.37 -1.5							

[illegible]

S.D. = 1.4 on 17 of 20 obs.

% JUN 20, 1991 07h 09m 06.24 ± 0.63s
 42.602 N ± 5.5km 19.779 E ± 5.3km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 1.8 (TTG).

PVY	0.14	93	iPgc	09 09.55	-0.2
			iSg	09 12.22	
IVA	0.28	18	iPgc	09 12.44	0.2
			iSg	09 17.05	
TTG	0.42	246	iPgd	09 14.94	0.1
			iSg	09 22.25	
NKY	0.61	290	iPgd	09 18.57	-0.1
			iSg	09 28.19	
ULC	0.75	212	iPgd	09 21.05	0.1
			iSg	09 32.87	
BDV	0.77	246	iPgc	09 21.32	0.0
			iSg	09 34.17	
PLE	0.78	339	iPgd	09 21.45	-0.1
			iSg	09 33.94	
HCY	0.96	261	iPgd	09 24.34	-0.2
			iSg	09 40.69	

S.D. = 0.2 on 8 of 8 obs.

JUN 20, 1991 07h 14m 01.11 ± 0.42s
 1.188 N ± 6.8km 122.682 E ± 10.3km
 DEPTH = 33.0km (normal)
 4.6mb (3 obs.)
 MINAHASSA PENINSULA (265)

CGP	7.49	15	eP	15 51.00	0.1
WB2	23.92	152	iPd	19 13.30	0.2
	0.6s	33.40nm		5.0mb	
NANU	24.61	196	eP	19 20.00	0.2
ASPA	27.01	157	eP	19 42.70	0.5
	0.6s	7.20nm		4.5mb	
QIS	27.24	143	eP	19 44.00	-0.3
WARB	27.48	172	eP	19 46.00	-0.5
STK	37.46	153	eP	21 13.20	-0.1
	0.5s	3.30nm		4.5mb	
			e	21 29.70	
CAN	43.86	148	eP	22 12.00	5.8X
GUN	44.11	310	P	22 09.16	0.5
PKI	44.30	310	P	22 10.40	0.2
KNK	44.50	310	P	22 11.90	0.1
DMN	44.55	310	P	22 12.40	0.2
GKN	45.10	310	P	22 14.96	-1.6
GBA	46.43	288	Pd	22 27.40	0.5

S.D. = 0.6 on 13 of 14 obs.

& JUN 20, 1991 07h 20m 53.29s
 63.414 N 151.558 W
 DEPTH = 14.6km

CENTRAL ALASKA (1)
 <AEIC>. ML 3.5 (AEIC).

TRF	0.57	86	iPd	21 04.47	-0.2
HUR	0.98	116	iPd	21 11.00	-0.4
			eS	21 24.81	
CUT	1.17	149	iPd	21 14.67	-0.1
BWN	1.20	50	eP	21 15.05	-0.2
			eS	21 31.39	
MCK	1.22	74	ePc	21 15.62	0.1
			eS	21 32.05	
RND	1.22	89	ePd	21 15.53	0.0
			eS	21 31.38	
SKT	1.44	179	iPc	21 18.49	-0.3
			eS	21 36.22	
NEA	1.60	42	ePc	21 20.47	-0.6
WRH	1.86	54	ePc	21 24.12	-0.8
PWA	1.93	156	ePc	21 25.76	-0.2
			iS	21 51.26	
SUA	1.99	169	ePc	21 26.94	0.0
NCG	2.04	188	eP	21 26.97	-0.6
			S	21 53.89	
GHO	2.05	142	ePd	21 27.32	-0.4
RDS	2.06	45	ePc	21 27.01	-0.8
			eS	21 53.24	
CCB	2.06	51	iPc	21 26.91	-0.9
TTA	2.08	258	eP	21 28.34	0.2
			S	21 55.53	
CGLM	2.12	186	eP	21 28.41	-0.4
MDM	2.13	42	ePc	21 28.01	-0.8
			S	21 55.35	
PLRM	2.15	147	iPd	21 28.87	-0.2

CRP	2.17	188	eP	21 28.98	-0.6
BGL	2.19	191	eP	21 30.30	0.5
			eS	21 59.06	
SML	2.20	136	iPd	21 29.44	-0.4
FBA	2.22	46	ePc	21 29.21	-0.9
SPU	2.25	186	ePd	21 30.38	-0.2
CKL	2.26	190	eP	21 30.83	0.1
PMS	2.37	156	eP	21 31.90	-0.3
GLM	2.41	47	ePc	21 31.95	-0.9
KNK	2.47	143	eP	21 34.04	0.3
			eS	22 04.20	
SCM	2.52	127	eP	21 34.05	-0.3
THY	2.61	87	eP	21 35.67	0.0
NKA	2.69	177	eP	21 38.61	1.9
PAX	2.80	96	eP	21 38.65	0.3
TOA	2.80	116	eP	21 38.63	0.2
IMA	2.82	342	eP	21 38.97	0.3
			eS	22 12.63	
RDT	2.88	188	eP	21 40.32	0.8
DFR	2.88	191	eP	21 39.88	0.3
SDG	2.89	105	eP	21 39.57	0.0
NCT	2.94	193	eP	21 39.96	-0.4
RDN	2.97	192	eP	21 41.24	0.5
REF	2.99	191	eP	21 41.98	0.9
SLKM	2.98	167	eP	21 40.77	-0.2
RDW	3.00	192	eP	21 42.91	1.6
RS2	3.02	191	eP	21 43.00	1.5
RSO	3.02	191	eP	21 42.77	1.2
TZL	3.14	113	eP	21 44.33	1.2
KLU	3.25	124	eP	21 45.37	0.5
			eS	22 26.59	
GLI	3.29	139	eP	21 45.43	0.1
VZW	3.33	133	eP	21 46.26	0.4
			eS	22 26.51	
VLZ	3.35	131	ePc	21 45.74	-0.3
			S	22 26.57	
NNL	3.39	178	eP	21 49.24	2.6
SEW	3.47	162	eP	21 49.79	2.0
KNIM	3.57	148	eP	21 48.18	-1.1
LTJ	3.82	151	eP	21 51.13	-1.6
CNPM	3.91	178	eP	21 54.62	0.6
MTU	3.91	150	eP	21 53.31	-0.7
GLB	4.11	115	ePd	21 57.59	0.7
			S	22 46.28	
TGL	4.89	119	eP	22 07.30	-0.8
BALM	4.93	115	eP	22 08.17	-0.4
INK	8.85	48	P	23 01.00	-2.4
	0.6s	1.20nm		4.4mb	
YKA	16.68	76	eP	24 49.70	2.0
	0.6s	0.80nm		3.0mb	
	60 obs.	associated			

JUN 20, 1991 08h 01m 13.66 ± 0.57s
 40.720 N ± 5.6km 27.657 E ± 5.9km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 MD 3.2 (ISK).

KGT	0.38	225	iPg	01 21.00	-0.5
EDC	0.40	157	iPg	01 22.60	0.7
			eSg	01 29.50	
BNT	0.42	151	iPg	01 22.80	0.7
			iSg	01 29.90	
ISK	1.12	72	ePn	01 34.60	0.0
EZN	1.35	229	iPn	01 36.80	-1.7
HRT	1.53	86	ePn	01 40.40	-0.7
JMB	1.92	336	iPc	01 47.00	0.3
			eS	02 07.00	
			Sg	02 10.00	
KDZ	1.93	300	iP	01 46.00	-0.8
			iS	02 09.00	
DIM	2.08	310	eP	01 48.00	-1.0
			Sg	02 13.00	
PLD	2.62	303	ePg	01 58.00	1.3
PVL	3.04	326	eP	02 02.00	-0.6
			eS	02 50.00	
MMB	3.09	288	iPd	02 06.00	2.6
			eS	02 47.00	
PCB	3.19	306	eP	02 08.00	3.1X
			eS	02 48.00	
KKB	3.63	290	eP	02 16.00	4.9X
			eS	03 25.00	
VTS	3.82	301	eP	02 18.00	4.0X
			eS	03 10.00	
MLR	4.93	346	eP	02 29.50	-0.1

S.D. = 1.2 on 13 of 16 obs.

* JUN 20, 1991 08h 06m 18.55 ± 0.74s
 1.288 N ± 9.1km 123.005 E ± 13.4km
 DEPTH = 33.0km (normal)
 4.8mb (5 obs.)
 MINAHASSA PENINSULA (265)

TSM	5.72	301	iPd	07 41.50	-2.0
	0.2s	101.20nm		6.1mb X	
CGP	7.32	13	eP	08 07.00	1.2
			eS	08 31.00	
MKS	7.36	209	iPc	08 09.00	2.5
SNG	23.07	285	eP	11 23.00	0.6
WB2	23.86	153	iPc	11 30.00	0.0
	0.6s	47.20nm		5.2mb	
NANU	24.80	197	eP	11 37.10	-2.0
	0.5s	43.00nm		5.3mb	
ASPA	26.97	158	eP	11 59.40	0.1
	0.5s	8.40nm		4.6mb	
WARB	27.54	173	eP	12 03.00	-1.4
STK	37.40	153	iPc	13 30.50	0.2
	1.4s	4.10nm		4.1mb	
BJI	39.07	352	eP	13 43.50	-0.7
HYB	46.53	293	eP	14 46.50	1.3
GBA	46.71	287	Pd	14 46.70	0.2
	0.8s	5.60nm		4.6mb	

S.D. = 1.5 on 12 of 12 obs.

JUN 20, 1991 08h 14m 41.42 ± 0.89s
 36.988 N ± 9.2km 29.400 E ± 6.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.7 (ISK).

ELL	0.47	120	iPg	14 50.90	-0.2
			eSg	14 57.50	
YER	0.91	280	iPn	14 59.60	0.8
BCK	1.06	63	iPn	15 01.50	0.1
CIN	1.21	301	ePg	15 03.00	-1.0
			iSg	15 20.00	
KHL	1.34	4	ePn	15 06.20	0.1
ALT	2.14	15	ePn	15 17.90	0.2

S.D. = 0.7 on 6 of 6 obs.

% JUN 20, 1991 08h 14m 43.37 ± 0.77s
 40.390 N ± 6.4km 23.281 E ± 7.0km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

SOH	0.43	7	ePd	14 51.80	-0.4
OUR	0.54	96	ePc	14 54.56	0.3
PAIG	0.55	146	ePd	14 54.41	-0.2
LIT	0.67	245	ePc	14 56.72	0.0
KNT	0.82	339	ePc	14 59.69	0.4
			eS	15 10.52	

S.D. = 0.5 on 5 of 5 obs.

JUN 20, 1991 08h 23m 24.02 ± 0.40s
 18.425 N ± 3.0km 120.637 E ± 4.8km
 DEPTH = 43.5 ± 3.6 km
 5.2mb (41 obs.)
 LUZON, PHILIPPINE ISLANDS (249)
 Felt (IRF) at Posuquin.

PIP	0.10	190	iPd	23 32.50
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PLP	8.35	149	eP	25	32.00	6.6X			e	30	38.10		CLL	86.33	323	iPd	36	03.00	0.3	
MAP	8.68	158	eP	25	23.00	-7.0X			e	31	48.20			1.7s	24.00nm			5.1mb		
QIZ	10.25	275	Pd	25	46.40	-5.1X	WMQ	37.49	320	P	30	37.00	1.6			e	36	45.00		
	0.6s	100.00nm			6.2mb				pP	30	46.80	33kmX	NPA	86.78	253	e(P)	35	53.60	-11.9X	
N	14s	1.70um					PMG	38.08	134	eP	30	34.00	-6.5X	KHC	86.91	321	P	36	06.00	0.4
E	19s	6.30um					HYB	39.99	275	eP	30	57.00	0.5			e	36	16.50		
CGP	10.67	158	eP	26	03.00	5.7X	WRA	40.43	160	P	31	09.00	9.0X	VBY	87.35	317	e(P)	36	09.00	1.2
	1.8s	193.00nm			6.0mb			0.6s	8.10nm			4.7mb	MOX	87.41	323	eP	36	09.00	1.0	
SSE	12.63	2	P	26	22.00	-1.6	WB2	40.44	160	iPc	30	57.90	-2.1		2.2s	43.00nm			5.3mb	
	0.8s	10.00nm			4.9mb			0.5s	30.70nm			5.3mb	LJU	87.59	318	e(P)	36	09.00	0.0	
WHN	13.35	336	Pc	26	30.20	-2.9	NANU	41.04	187	eP	31	04.20	-0.7	CEY	87.79	318	eP	36	09.50	-0.4
	5.0s	1200.00nm			6.0mb X		GBA	41.73	270	Pd	31	11.20	0.5	VOY	88.00	318	eP	36	11.00	0.0
Z	28s	3.00um			4.6Msz			1.0s	13.30nm			4.6mb	YKA	88.46	22	eP	36	13.10	0.3	
N	17s	7.50um					KOD	42.53	265	eP	31	18.60	0.9		0.9s	18.10nm			5.4mb	
E	17s	5.60um					QIS	42.97	153	eP	31	20.00	-0.8	WTTA	88.88	320	eP	36	14.50	-0.9
									e	33	12.00			0.5s	7.00nm			5.2mb		
NJ2	13.66	354	Pd	26	36.00	-1.2			e	34	28.00		EKA	92.52	332	P	36	15.20		
Z	16s	0.90um					ASPA	43.79	162	iPc	31	26.50	-1.0		0.7s	3.10nm			4.8mb	
E	17s	5.40um						0.4s	22.10nm			5.3mb	LPG	92.70	320	eP	36	33.30	0.1	
TSM	14.34	190	eP	26	47.00	0.8			iPcP	33	13.40			0.8s	8.05nm			5.2mb		
GYA	15.18	304	P	26	56.00	-1.3	YAK	44.01	6	iPd	31	29.30	0.6	LPL	92.70	320	eP	36	33.30	0.2
KUMJ	16.78	31	eP	27	17.00	0.3			e	33	14.00			0.6s	8.10nm			5.3mb		
KMI	17.90	295	Pd	27	31.50	-0.3	WARB	44.72	172	eP	31	34.00	-0.9	PNT	94.05	35	eP	36	41.00	2.0
	2.5s	530.00nm			5.2mb			0.4s	17.00nm			5.2mb		1.0s	19.00nm			5.5mb		
TIA	17.99	351	Pd	27	49.00		CTA	45.79	145	iPc	31	43.00	-0.4	FRB	97.78	4	eP	36	55.00	-0.6
	4.0s	1000.00nm			5.3mb X			2.0s	352.94nm			5.9mb	FFC	98.59	23	eP	36	54.00	-5.5X	
N	18s	4.30um					CTAO	45.79	145	iPc	33	41.00			0.7s	4.00nm			5.1mb	
E	16s	1.40um							i	33	21.00		ANMO	110.60	40	ePKPc	41			

	0.7s	6.16nm	4.7mb	e	38 03.90	SBA	82.47	171 iP	17 12.90	2.0				
MTMJ	54.04	332 P	38 11.50	-0.9	GUN	43.64	310 PKP	38 55.64	6.7X	FBA	88.56	25 P	17 42.60	1.2
NIIJ	54.05	334 P	38 21.00	8.7X	PKI	43.83	309 PKP	38 54.78	4.3X	INK	93.83	21 eP	18 05.50	-0.2
SSE	59.73	316 Pd	39 01.50	8.6X	KKN	44.04	309 P	38 51.62	-0.4	BUL	94.44	250 iPc	18 09.30	-0.3
	1.0s	25.00nm	5.3mb		DMN	44.09	309 PKP	38 54.16	1.7		0.8s	9.33nm	5.3mb	
MDJ	64.20	332 eP	39 30.50	7.9X	GKN	44.64	309 PKP	38 55.54	-1.3		iP	18 19.40	31kmX	
	1.0s	25.00nm	5.3mb		HYB	45.99	292 eP	39 12.50	5.0X	ANMO	121.50	47 PKP	23 43.50	0.2
WHN	64.28	312 eP	39 31.50	8.1X	S.D. = 1.1 on 7 of 14 obs.					ALQ	121.50	47 ePKP	23 42.00	-1.4
DL2	64.35	323 eP	39 31.00	7.4X	* JUN 20, 1991 08h 54m 01.73± 2.09s					S.D. = 1.2 on 35 of 37 obs.				
TIA	65.49	318 eP	39 38.70	7.6X	37.397 N ±14.8km 71.940 E ± 8.1km					JUN 20, 1991 09h 12m 48.33± 0.39s				
GYA	68.33	304 P	39 57.00	7.6X	DEPTH = 70.9 ± 25.1 km					15.087 N ± 5.8km 120.241 E ± 7.8km				
BJI	68.35	321 eP	39 56.50	7.4X	4.3mb (5 obs.)					DEPTH = 10.0km (geophysicist)				
	1.2s	12.00nm	4.9mb		AFGHANISTAN-USSR BORDER REGION (717)					4.8mb (10 obs.) 4.4Msz (2 obs.)				
KMI	71.04	301 Pc	40 06.50	0.3	QUE 8.30 211 eP 56 03.00 1.1					LUZON, PHILIPPINE ISLANDS (249)				
	2.5s	100.00nm	5.5mb		NDI 9.75 152 iPd 56 22.80 1.3					OVP 0.87 122 P 13 06.00 1.0				
HHC	71.71	320 eP	40 19.00	9.2X	MAIO 10.04 267 iPc 56 24.30 -1.2					OCP 0.92 119 iP 13 07.00 1.0				
CHG	72.16	294 eP	40 20.00	7.3X	GKN 14.20 128 P 57 20.60 -0.2					BAG 1.36 14 eP 13 09.50 -3.9X				
CD2	72.50	307 P	40 22.20	7.6X	KKN 14.76 127 P 57 27.06 -1.1					PGP 1.72 156 iPc 13 20.00 1.5				
	1.2s	62.00nm	5.5mb		DMN 14.77 128 P 57 28.62 0.3					SZP 2.46 5 ePd 13 31.00 1.9				
BTO	72.56	319 eP	40 23.00	8.2X	PKI 14.99 127 P 57 31.22 0.0					CVP 3.01 30 eP 13 36.00 -0.9				
LZH	74.65	312 eP	40 36.00	8.9X	GUN 15.06 125 P 57 31.86 -0.3					PIP 3.24 6 eP 13 40.00 -0.2				
	1.5s	57.00nm	5.4mb		GBA 24.20 167 Pd 59 11.70 -1.0					PPR 5.48 196 ePd 14 13.00 1.0				
SVW	77.95	18 P	40 45.00	0.0	HFS 42.83 321 eP 01 54.10 0.2					PLP 6.04 130 eP 14 25.00 5.1X				
	1.0s	23.00nm	5.2mb		NAO 44.30 322 P 02 05.80 0.0					QZH 9.93 351 Pc 15 14.50 0.4				
RSD	78.36	20 ePd	40 47.50	0.0	MBC 66.41 3 eP 04 45.50 0.8					Z 0.7s 23.00nm 5.7mb				
BALM	82.46	23 ePd	41 09.00	-0.2	YKA 80.31 3 eP 06 05.60 -0.3					N 16s 1.90um 3.9Msz				
GCC	82.69	50 eP	41 10.70	0.0	S.D. = 0.9 on 14 of 14 obs.					QIZ 10.69 293 P 15 22.70 -1.9				
BRK	82.77	49 eP	41 11.40	0.3	JUN 20, 1991 09h 04m 50.83± 0.34s					SSE 15.96 3 P 16 35.50 1.0				
					1.280 N ± 6.2km 122.878 E ± 8.6km					Z 16s 1.80um				
BKS	82.79	49 eP	41 12.20	1.0	DEPTH = 33.0km (normal)					N 14s 0.70um				
PRS	82.94	51 ePd	41 12.70	0.7	MINAHASSA PENINSULA (265)					WHN 16.31 342 eP 16 43.50 4.5X				
FBA	83.16	18 P	41 12.30	-0.3	TSM 5.62 301 iPd 06 14.60 0.3					N 14s 0.80um				
PRI	83.42	51 ePd	41 15.40	0.8	MKS 7.35 14 eP 06 37.00 -1.7					E 14s 0.90um				
WDC	83.49	47 ePd	41 15.40	0.6	CGP 1.0s 92.00nm 5.7mb					NJ2 16.94 356 eP 16 53.00 6.1X				
					KGM 19.56 272 eP 09 20.00 0.9					GYA 16.99 314 P 16 53.00 5.2X				
ORV	83.90	48 ePd	41 16.70	-0.1	WB2 23.91 152 iPc 10 02.70 -0.1					KMI 19.21 304 Pd 17 19.00 3.5X				
MIN	84.08	47 eP	41 17.80	-0.2	NANU 24.76 196 eP 10 09.00 -1.9					MKS 20.19 182 iPc 17 28.00 1.9				
CMB	84.23	50 ePd	41 18.70	0.1	NNT 25.54 297 eP 10 21.00 2.6					CHG 20.70 283 eP 17 33.00 1.5				
					ASPA 27.01 157 eP 10 31.40 -0.6					TIA 21.22 353 Pd 17 35.80 -0.8				
FRI	84.41	51 eP	41 19.80	0.3	OIS 27.19 144 eP 10 34.00 0.4					XAN 21.46 334 P 17 40.50 1.4				
					WARB 27.54 173 eP 10 36.00 -0.8					N 14s 0.70um				
MAW	84.88	202 eP	41 23.00	1.7	BAL 32.25 190 eP 11 16.30 -2.3					E 14s 1.40um				
	1.0s	18.00nm	5.2mb		KLB 33.05 188 eP 11 24.00 -1.5					S 21 37.00				
ISA	84.97	52 eP	41 23.00	0.6	CD2 34.59 330 P 11 38.40 -0.5					CD2 21.82 319 P 17 43.70 0.9				
SBB	85.19	53 eP	41 24.00	0.5	STK 37.45 153 eP 12 02.90 -0.1					1.0s 53.00nm 4.9mb				
RVR	85.35	54 eP	41 25.00	0.8	LIY 37.51 346 Pc 12 02.80 -0.7					23.57 344 eP 17 59.00 -1.0				
PEC	85.50	54 ePd	41 23.50	-1.5	BJI 39.06 352 eP 12 16.00 -0.4					Z 20s 1.25um 4.4Msz				
PLM	85.59	55 eP	41 27.00	1.3	CMS 39.20 148 eP 12 18.80 1.1					N 16s 0.60um				
CLC	85.69	52 eP	41 26.00	0.0	SNY 40.37 1 Pc 12 27.00 -0.2					BJI 25.11 353 eP 18 15.00 0.3				
GSC	86.17	53 eP	41 29.00	0.6	BRS 40.49 137 i(PKP) 12 28.50 0.0					1.2s 30.00nm 4.9mb				
TNP	86.63	50 ePd	41 31.20	0.4	BWA 42.85 148 eP 12 50.10 2.4					LZH 25.54 328 eP 18 21.50 2.5				
PNT	88.36	39 eP	41 39.00	0.4	GTA 43.39 334 iPc 12 53.60 1.4					1.8s 61.00nm 5.0mb				
INK	89.74	19 eP	41 43.00	-1.7	CAN 43.84 149 iPc 12 57.10 1.4					Z 21s 1.21um 4.4Msz				
LRM	92.06	44 eP	41 56.40	0.2	GUN 44.20 310 P 12 59.08 -0.1					N 11s 0.82um				
BW06	93.44	47 P	42 01.00	-1.6	PKI 44.39 309 P 13 02.46 0.2					E 13s 0.50um				
	1.0s	1.67nm	4.4mb		DMN 44.60 310 P 13 02.54 -0.1					CD2 21.82 319 P 17 43.70 0.9				
SES	93.99	40 eP	42 04.00	-0.7	GKN 45.20 310 P 13 06.80 -0.2					1.0s 53.00nm 4.9mb				
NVL	96.63	188 (P)	42 09.00	-7.5X	HYB 46.41 293 eP 13 16.70 0.1					23.57 344 eP 17 59.00 -1.0				
					GBA 46.59 288 Pd 13 17.60 -0.3					Z 20s 1.25um 4.4Msz				
FFC	100.09	36 ePd	42 31.00	-1.3	MAW 80.15 200 eP 16 59.00 0.1					N 11s 0.82um				
	1.1s	10.00nm	5.3mb							CD2 21.82 319 P 17 43.70 0.9				
ZOBO	120.27	116 PKP	47 37.00	-2.9						1.0s 53.00nm 4.9mb				
										23.57 344 eP 17 59.00 -1.0				
SIV	126.52	119 PKP	47 50.70	-0.6						Z 20s 1.25um 4.4Msz				
PPD	131.10	132 ePKP	48 00.60	0.8						N 16s 0.60um				
S.D. = 1.1 on 49 of 65 obs.														
? JUN 20, 1991 08h 30m 45.13± 1.07s														
1.919 N ±22.7km 122.678 E ±30.3km														
DEPTH = 33.0km (normal)														
4.8mb (3 obs.)														
MINAHASSA PENINSULA (265)														
TSM	5.14	297 ePd	32 13.70	11.9X										
CGP	6.80	17 eP	32 40.00	14.9X										
MKS	7.78	204 iPc	32 44.40	5.5X										
WB2	24.56	153 iPd	36 03.80	0.4										
	0.6s	64.50nm	5.4mb											
NANU	25.31	196 eP	36 10.50	0.0										
ASPA	27.68	157 eP	36 32.00	-0.3										
	0.6s	10.50nm	4.7mb											
OIS	27.82	144 iPc	36 33.60	0.0										
STK	38.11	153 eP	37 59.40	-3.4X										
	0.7s	5.00nm	4.5mb											

20d 09h

CLI 81.21 316 eP 25 01.00 -4.9X
 VRI 81.74 315 ePc 25 09.50 0.8
 INK 81.97 21 eP 25 08.00 -1.4
 ISR 82.03 315 iPd 25 23.50 13.2X
 MBC 82.29 12 eP 25 09.00 -2.0
 1.0s 6.00nm 4.7mb
 MLR 82.36 315 eP 25 14.50 2.4
 HFS 85.05 331 eP 25 25.20 -0.1
 0.4s 1.90nm 4.7mb
 NAO 86.09 332 P 25 30.10 -0.4
 0.7s 3.60nm 4.7mb
 SKO 86.44 312 eP 25 32.00 -0.6
 KSP 87.00 322 eP 25 38.50 3.4X
 YKA 91.67 22 eP 25 55.50 -1.4
 1.1s 3.40nm 4.6mb
 S.D. = 1.5 on 40 of 52 obs.

% JUN 20, 1991 09h 28m 47.80±0.52s
 42.771 N ± 4.6km 19.203 E ± 3.7km
 DEPTH = 5.0km (geophysicist)

YUGOSLAVIA (383)
 ML 1.3 (TTG).

NKY 0.16 285 iPg 28 51.35 0.3
 iSg 28 53.42
 TTG 0.34 173 iPg 28 55.20 0.5
 iSg 28 59.87
 BRY 0.50 285 iPg 28 57.92 0.0
 iSg 29 05.73
 IVA 0.52 79 iPg 28 58.05 -0.2
 iSg 29 05.75
 BDV 0.56 210 iPg 28 58.57 -0.5
 iSg 29 07.05
 PLE 0.58 14 iPg 28 59.30 0.0
 iSg 29 07.45
 PVY 0.59 107 iPg 28 59.80 0.1
 HCY 0.61 238 ePg 28 59.92 -0.1
 iSg 29 08.32
 S.D. = 0.3 on 8 of 8 obs.

JUN 20, 1991 11h 32m 18.28±0.50s
 40.866 N ± 4.6km 15.550 E ± 5.5km
 DEPTH = 10.0km (geophysicist)

SOUTHERN ITALY (390)

SGO 0.36 211 Pd 32 23.60 -2.0
 eSg 32 30.20
 MGR 0.73 180 P 32 30.20 -2.4
 eSg 32 41.00
 BAI 1.03 75 P 32 37.20 -0.5
 eSg 32 55.50
 MMN 1.03 161 P 32 38.40 0.7
 eSg 32 58.20
 ORI 1.05 139 P 32 38.00 -0.2
 DUI 1.14 314 P 32 42.40 2.7
 CSI 1.23 152 P 32 42.30 1.2
 BRT 1.25 89 P 32 40.90 -0.7
 eSg 33 00.30
 TDS 1.35 153 P 32 43.70 0.6
 ROI 1.51 149 P 32 48.00 2.6
 SDI 1.55 303 P 32 46.00 -0.1
 CZI 1.71 165 P 32 48.30 0.1
 MNS 2.63 306 P 33 01.50 -0.1
 ASS 3.08 317 P 33 08.00 0.1
 PHP 3.78 76 ePn 33 19.00 1.2
 SKO 4.56 74 ePn 33 28.00 -1.0
 VBY 4.64 357 ePn 33 31.10 1.1
 e(Sn) 34 33.60
 PTJ 5.04 3 eP 33 34.00 -1.8
 LJU 5.23 352 eP 33 37.50 -0.8
 e(Sn) 34 39.50
 LIT 5.35 96 ePd 33 40.80 0.7
 MLR 8.89 55 ePc 34 29.50 -0.3
 VRI 9.55 55 eP 34 37.50 -1.3
 S.D. = 1.4 on 22 of 22 obs.

* JUN 20, 1991 11h 45m 11.97±0.81s
 1.270 N ± 10.8km 123.073 E ± 15.2km
 DEPTH = 33.0km (normal)
 4.8mb (3 obs.)

MINAHASSA PENINSULA (265)

TSM 5.79 301 ePd 46 36.70 -1.2
 CGP 7.32 13 eP 47 01.00 1.7
 MKS 7.38 209 iPd 47 02.50 2.3
 IPM 22.26 279 ePc 50 17.30 9.5X
 ASPA 26.93 158 eP 50 51.40 -1.0

0.6s 9.50nm 4.6mb
 51 14.90
 QIS 27.07 144 eP 50 53.00 -0.6
 CHG 29.39 308 eP 51 14.00 -0.7
 STK 37.35 154 eP 52 22.80 -0.5
 0.5s 5674.10nm 7.7mb X
 CAN 43.73 149 iPc 53 27.20 11.2X
 GUN 44.35 310 P 53 23.02 1.4
 PKI 44.55 309 P 53 21.46 -1.7
 KKN 44.75 310 P 53 23.92 -0.7
 0.9s 18.00nm 4.9mb
 DMN 44.80 309 P 53 23.82 -1.3
 GKN 45.35 309 P 53 31.52 2.2
 GBA 46.78 287 Pd 53 48.00 7.5X
 1.4s 15.00nm 4.8mb
 S.D. = 1.6 on 12 of 15 obs.

? JUN 20, 1991 13h 49m 04.14±0.95s
 13.391 S ± 34.5km 74.191 W ± 19.8km
 DEPTH = 33.0km (normal)

PERU (116)

NNA 2.94 298 iPc 49 49.80 0.1
 0.4s 296.61nm
 PT10 3.01 295 iP 49 50.60 0.0
 eS 50 25.50
 ARE 4.02 140 eP 50 04.00 -1.2
 iS 50 50.00
 ZOBO 6.53 117 iPc 50 42.00 1.1
 0.7s 35.88nm 5.3mb X
 i 51 58.50
 LPB 6.66 119 P 50 45.00 2.3X
 CNCB 6.89 120 P 50 47.80 1.7
 SIV 12.95 103 P 52 07.00 -1.7
 S.D. = 1.7 on 6 of 7 obs.

? JUN 20, 1991 14h 22m 23.56±0.34s
 41.191 N ± 97.7km 28.466 E ± 21.2km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 2.5 (ISK).

CTT 0.05 212 iPg 22 25.40 -0.4
 eSg 22 28.40
 ISK 0.47 105 ePg 22 32.70 -0.3
 HRT 0.98 112 ePg 22 42.50 0.3
 KGT 1.15 230 ePn 22 45.00 -0.1
 S.D. = 0.5 on 4 of 4 obs.

* JUN 20, 1991 15h 26m 11.80±0.60s
 1.181 N ± 8.4km 122.735 E ± 13.7km
 DEPTH = 33.0km (normal)
 4.6mb (4 obs.)

MINAHASSA PENINSULA (265)

TSM 5.55 303 eP 27 35.00 0.7
 MKS 7.14 207 iPd 28 04.50 7.8X
 CGP 7.48 15 eP 28 02.00 0.5
 1.0s 31.00nm 5.3mb
 WB2 23.89 152 iPc 31 23.80 0.3
 0.5s 21.50nm 4.9mb
 NANU 24.62 196 eP 31 30.00 -0.6
 ASPA 26.98 157 eP 31 52.50 -0.1
 1.1s 4.90nm 4.0mb
 QIS 27.20 143 eP 31 54.00 -0.6
 STK 37.43 153 iPc 33 23.80 0.0
 1.1s 4.00nm 4.2mb
 e 34 47.50
 BJI 39.14 352 eP 33 36.50 -1.5
 CAN 43.83 148 eP 34 18.00 1.4
 S.D. = 1.0 on 9 of 10 obs.

* JUN 20, 1991 15h 36m 01.22±0.96s
 54.358 N ± 15.5km 160.874 W ± 10.8km
 DEPTH = 33.0km (normal)
 4.8mb (6 obs.)

ALASKA PENINSULA (12)

SDN 1.01 12 iP 36 21.30 2.3
 SVW 7.33 20 eP 37 47.73 -0.9
 RSO 7.52 32 P 37 54.00 2.5
 CKL 8.23 30 eP 38 03.16 1.9
 NKA 8.23 35 eP 38 02.76 1.6
 SPU 8.30 31 eP 38 03.35 1.1

CRP 8.34 30 iP 38 04.85 2.0
 CGLM 8.41 31 eP 38 04.39 0.6
 SLKM 8.42 39 eP 38 04.56 0.7
 NCG 8.45 30 eP 38 06.23 1.9
 SEW 8.45 42 eP 38 03.65 -0.6
 SUA 8.92 33 eP 38 10.22 -0.7
 ITA 8.96 14 eP 38 09.23 -2.1
 LTI 9.07 46 eP 38 12.71 0.0
 SKT 9.09 29 eP 38 14.13 1.1
 MTU 9.12 46 eP 38 13.44 -0.1
 PMS 9.16 37 eP 38 13.39 -0.7
 KNIM 9.29 44 eP 38 15.84 0.1
 KKN 9.67 38 eP 38 20.40 -0.6
 GHO 9.75 36 eP 38 20.91 -1.3
 GLI 9.85 43 eP 38 22.78 -0.8
 VZW 10.17 43 eP 38 27.66 -0.3
 VLZ 10.30 43 eP 38 29.18 -0.5
 SCM 10.35 38 eP 38 29.59 -0.9
 ANM 10.49 349 eP 38 29.53 -2.7X
 KLU 10.67 42 eP 38 33.83 -1.0
 eS 40 26.00

TOA 10.95 39 eP 38 37.95 -0.6
 RND 10.98 29 eP 38 36.78 -2.2
 SDG 11.44 38 eP 38 44.44 -0.8
 GLB 11.50 45 eP 38 45.43 -0.6
 TGL 11.59 49 eP 38 47.87 0.5
 PAX 11.75 37 eP 38 48.58 -0.9
 BALM 11.93 48 eP 38 52.19 0.3
 eS 41 00.00

INK 18.92 32 eP 40 20.50 -0.8
 YKA 25.05 52 eP 41 26.10 2.7
 0.4s 1.10nm 3.8mb
 FRB 44.30 40 eP 44 09.00 0.0
 MAT 44.78 272 eP 44 14.00 0.7
 NAO 64.98 4 P 46 37.80 -1.6
 0.5s 1.10nm 4.2mb
 NUR 65.40 357 eP 46 40.00 -2.0
 HFS 65.78 3 eP 46 42.50 -2.0
 0.4s 6.00nm 5.0mb

EKA 69.15 13 Pd 47 06.20 0.5
 0.7s 4.80nm 4.7mb

KHC 76.78 4 eP 47 50.00 -0.7

GUN 80.03 304 P 48 09.70 0.5

KKN 80.42 305 P 48 11.50 0.4

0.5s 14.00nm 5.2mb

PKI 80.54 305 P 48 11.94 0.1

0.7s 18.00nm 5.2mb

GKN 80.55 305 P 48 11.80 0.1

DMN 80.66 305 P 48 13.04 0.6

BUL 145.08 344 iPKPd 55 37.10 0.3

0.7s 5.14nm

S.D. = 1.2 on 47 of 48 obs.

% JUN 20, 1991 15h 39m 15.04±1.54s
 11.331 N ± 8.6km 62.022 W ± 20.4km
 DEPTH = 100.0km (geophysicist)

WINDWARD ISLANDS (95)

MD 3.4 (TRN).

TCE 0.68 157 iPc 39 32.55 0.0

eS 39 44.58

TRN 0.91 138 iPd 39 34.81 0.1

eS 39 48.49

TPP 1.15 151 eP 39 37.47 0.0

eS 39 54.41

PIG 1.17 98 eP 39 37.97 0.3

eS 39 56.98

TBH 1.26 132 eP 39 38.56 -0.2

eS 39 58.02

BOT 1.29 97 eP 39 38.84 -0.2

eS 39 58.09

SVV 2.13 22 eP 39 49.78 0.0

eS 40 19.56

S.D. = 0.2 on 7 of 7 obs.

& JUN 20, 1991 16h 05m 00.00s
 33.619 N 106.475 W
 DEPTH = 0.0km

NEW MEXICO (496)

<EXPLQ>. ML 3.5 (GS). 33' 37'

08.01" N., 106' 28' 30.50" W.,

Surface explosion of 2,500 tons

of ammonium nitrate. White Sands

Missile Range (Dept. of

Defense).

CRNM 0.40 327 Pc 05 08.50 0.6

SMNM 0.48 289 Pc 05 10.15 0.5
 BNM 0.54 346 Pc 05 10.95 0.2
 WTX 0.60 319 Pc 05 12.15 0.2
 SBM 0.69 301 Pc 05 14.10 0.4
 LPM 0.70 349 Pc 05 13.95 -0.1
 BMNM 0.92 315 Pc 05 18.30 -0.1
 BDNM 0.94 337 Pc 05 19.40 0.6
 LAZ 0.96 325 Pc 05 18.90 -0.3
 ALO 1.32 1 iPc 05 25.10 -0.4
 ANMO 1.32 1 iPc 05 25.30 -0.2
 CLN4 2.41 121 Pc 05 42.50 1.0
 CLN6 2.44 116 P 05 44.40 2.5
 CLNB 2.57 121 Pc 05 44.60 0.9
 PV09 5.32 337 eP 06 26.00 3.0
 GOL 6.13 8 e(P) 06 33.00 -1.4
 MEO 6.64 78 e(P) 06 41.10 -0.2
 MSU 6.72 318 e(P) 06 42.40 -0.2
 GLA 7.01 268 e(P) 06 44.30 -2.3
 DAU 7.78 332 e(P) 06 53.80 -3.8
 BW06 9.46 346 eP 07 24.00 3.2

21 obs. associated

* JUN 20, 1991 16h 26m 28.92±1.44s
 15.391 S ±13.2km 167.377 E ±10.4km
 DEPTH = 141.4 ± 12.9 km
 4.6mb (3 obs.)

VANUATU ISLANDS (186)

BKM 2.41 160 iPc 27 09.10 0.1
 PVC 2.50 159 iP 27 10.00 -0.1
 DZM 6.70 187 iPd 28 06.50 0.3
 PMG 20.62 284 eP 30 59.00 0.2
 CMS 25.37 227 eP 31 45.70 1.1
 MNG 26.11 166 P 31 50.30 -1.0
 LTZ 27.62 172 P 32 05.00 0.0
 STK 28.65 231 eP 32 15.40 1.0
 0.4s 4.50nm 4.5mb

WB2 31.76 257 iPc 32 40.70 -1.1
 0.9s 6.30nm 4.4mb
 ASPA 32.54 250 eP 32 47.40 -1.3
 0.4s 20.20nm 5.3mb

FLN 145.26 346 ePKP 45 49.60 -1.6
 0.4s 17.20nm
 LDF 145.33 345 ePKP 45 49.80 -1.6
 0.5s 11.65nm

LOR 145.39 340 ePKP 45 50.60 -1.0
 0.7s 8.80nm
 LBF 145.60 340 ePKP 45 51.50 -0.5
 0.8s 16.10nm

SSF 145.69 340 ePKP 45 51.70 -0.3
 0.7s 15.45nm
 GRR 145.70 346 ePKP 45 51.20 -0.8
 0.6s 14.45nm

LPL 145.84 335 ePKP 45 52.90 0.3
 0.8s 6.05nm
 LPG 145.84 335 ePKP 45 53.00 0.3
 0.7s 7.70nm

SMF 145.94 340 ePKP 45 52.10 -0.4
 0.8s 6.70nm
 AVF 145.98 340 ePKP 45 52.90 0.4
 0.6s 5.40nm

LPF 146.08 346 ePKP 45 52.60 0.0
 0.6s 12.65nm
 BGF 146.35 341 ePKP 45 53.40 0.3
 0.5s 11.65nm

MAF 146.73 341 ePKP 45 54.80 1.0
 0.6s 4.50nm
 TCF 146.79 341 ePKP 45 54.80 0.9
 0.6s 4.50nm

LSF 147.03 342 ePKP 45 55.10 0.9
 0.6s 15.80nm
 MFF 147.18 344 ePKP 45 55.70 1.2
 0.5s 11.65nm

FRF 147.46 334 ePKP 45 56.80 1.8
 0.6s 3.60nm
 S.D. = 1.0 on 27 of 27 obs.

* JUN 20, 1991 17h 01m 13.52±0.86s
 37.039 N ± 9.7km 29.385 E ± 6.3km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD 3.6 (ISK).

ELL 0.51 125 iPg 01 23.60 -0.3
 iSg 01 31.20
 YER 0.89 277 ePn 01 31.10 0.5
 BCK 1.05 66 ePn 01 33.80 0.4
 CIN 1.18 299 eP 01 35.00 -0.5
 KHL 1.29 5 ePn 01 37.20 -0.2
 S.D. = 0.6 on 5 of 5 obs.

? JUN 20, 1991 17h 38m 14.27±4.31s
 39.454 N ±13.8km 24.022 E ±23.2km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)

EZN 1.82 77 ePn 38 46.20 0.4
 MMB 2.14 354 iPc 38 50.00 -0.6
 VAY 2.17 330 ePn 38 58.80 7.9X
 KDZ 2.44 25 iP 38 55.00 0.3
 iS 39 21.00

KKB 2.51 344 eP 38 56.00 0.2
 S 39 30.00
 PLD 2.70 11 eP 38 59.00 0.5
 eS 39 44.00

KGT 2.71 67 ePn 38 58.00 -0.7
 PGB 3.09 2 eP 39 13.00 8.9X
 S 39 45.00
 PVL 3.89 14 eP 39 15.00 -0.3
 S.D. = 0.6 on 7 of 9 obs.

* JUN 20, 1991 17h 39m 41.48±1.88s
 8.991 S ±10.9km 112.118 E ±15.9km
 DEPTH = 60.9 ± 18.4 km
 4.3mb (4 obs.)

JAVA (277)

TRT 1.38 22 iPd 40 05.10 0.3
 eS 40 40.60
 NANU 13.89 167 eP 42 55.50 -1.3
 eS 45 20.00

MRWA 20.45 170 eP 44 23.50 7.0X
 eS 47 59.00
 WB2 24.09 119 iPc 44 52.80 0.2
 0.6s 12.10nm 4.6mb

ASPA 25.44 128 eP 45 05.80 0.4
 1.0s 7.10nm 4.1mb
 STK 35.59 134 iPc 46 36.70 1.6
 0.4s 6.40nm 4.9mb

GBA 41.10 303 Pc 47 22.90 1.7
 0.7s 2.00nm 4.0mb
 PKI 44.61 325 P 47 49.92 -0.2
 GUN 44.61 326 P 47 50.26 0.1

DMN 44.81 325 P 47 51.66 0.1
 KKN 44.85 325 P 47 51.48 -0.4
 GKN 45.38 325 P 47 55.96 0.0
 MAT 51.50 27 eP 48 39.00 -4.1X

YAK 72.11 9 eP 50 58.80 -2.1
 YKA 116.87 22 ePKP 58 20.20 -0.2
 0.6s 0.60nm
 SOB1 147.61 237 ePKP 59 25.00 6.2X
 S.D. = 1.2 on 13 of 16 obs.

JUN 20, 1991 19h 24m 27.83±0.73s
 40.144 N ± 4.5km 8.815 W ± 7.4km
 DEPTH = 20.2 ± 5.3 km

PORTUGAL (376)
 mbLg 3.5 (MDD). Felt (1) at
 Porto.

COI 0.31 78 iPg 24 36.00 1.3
 iSg 24 40.00
 PTO 1.01 9 iPd 24 46.40 0.0
 iSn 24 59.60

MTE 1.01 75 eP 24 47.60 1.0
 iS 25 02.00
 MTH 1.28 193 eP 24 51.50 0.9
 iS 25 08.50

LIS 1.45 190 eP 24 53.70 0.7
 iS 25 12.70
 MOE 1.66 167 eP 24 56.50 0.5
 iS 25 18.20

MVO 1.70 53 ePn 24 57.00 0.3
 iPg 24 59.30
 iSn 25 19.00
 iSg 25 23.00

EZAM 2.01 3 iPn 25 00.60 -0.5
 eSn 25 24.00

EPLA 2.10 91 ePn 25 02.70 0.0
 eSn 25 28.00
 ERUA 2.58 29 ePn 25 11.00 8
 eSn 25 40.00
 STS 2.75 4 ePn 25 11.00 -0.6
 eSn 25 45.00

EVAL 3.02 147 ePn 25 15.00 -0.5
 eSn 25 48.00
 EMON 3.47 18 ePn 25 20.60 -1.3
 eSn 26 02.00

GUD 3.59 81 ePn 25 23.00 -0.8
 eSn 26 04.00
 EHOR 3.62 129 ePn 25 23.00 -1.0
 eSn 26 04.50

TOL 3.67 93 ePn 25 27.50 2.7
 iPg 25 43.00
 iSn 26 05.50
 iSg 26 24.00

EBAN 4.38 115 ePn 25 33.40 -1.4
 eSn 26 22.50
 ECOG 5.00 123 ePn 25 43.50 -0.3
 eSn 26 38.50

AFC 5.03 123 ePn 25 43.30 -0.9
 eSn 26 38.00
 EVIA 5.12 105 ePn 25 44.80 -0.5
 eSn 26 39.50

ETOR 5.20 80 ePn 25 45.50 -1.0
 eSn 26 43.00
 EGUA 5.28 127 ePn 25 47.30 -0.3
 ECRI 5.34 61 ePg 26 09.70 21.1X
 eSg 27 09.00

S.D. = 1.1 on 22 of 23 obs.

? JUN 20, 1991 20h 51m 47.01±1.49s
 11.010 N ±15.0km 125.840 E ±23.0km
 DEPTH = 33.0km (normal)

SAMAR, PHILIPPINE ISLANDS (251)

PLP 0.86 280 iPc 52 01.00 -1.7
 eS 52 11.00
 MAP 1.95 250 eP 52 23.00 4.6X
 eS 52 55.00

CGP 2.78 204 iPd 52 32.00 1.9
 iS 53 09.00
 ASPA 35.35 167 iPc 58 41.60 -0.1
 0.3s 4.40nm 4.9mb

GUN 41.03 300 P 59 30.50 1.0
 PKI 41.34 299 P 59 32.20 0.2
 KKN 41.51 300 P 59 34.00 0.8
 GKN 42.11 300 P 59 38.40 0.3

KLB 43.06 190 eP 59 44.00 -1.6
 NWA0 44.45 190 eP 59 56.00 -0.8
 S.D. = 1.4 on 9 of 10 obs.

* JUN 20, 1991 21h 10m 15.74±1.17s
 40.099 N ±11.9km 27.379 E ± 7.7km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 MD 3.0 (ISK).

KGT 0.36 351 iPg 10 23.00 -0.1
 EDC 0.45 56 ePg 10 25.00 0.2
 eSg 10 31.50

BNT 0.49 58 iPg 10 25.30 -0.3
 iSg 10 32.50
 EZN 0.86 252 iPg 10 32.20 0.0
 eSg 10 43.70

CTT 1.32 37 iPn 10 40.30 0.2
 S.D. = 0.3 on 5 of 5 obs.

* JUN 20, 1991 21h 15m 08.46±1.60s
 10.933 N ± 8.9km 125.912 E ±16.1km
 DEPTH = 66.4 ± 12.6 km
 4.4mb (7 obs.)

LEYTE, PHILIPPINE ISLANDS (256)

PLP 0.94 284 eP 15 25.00 -1.3
 eS 15 39.00
 MAP 1.99 252 iPc 15 42.00 1.5
 iS 16 20.00

CGP 2.74 206 ePd 15 51.00 0.0
 eS 16 27.00
 SSE 20.54 348 P 19 44.50 0.7
 1.2s 8.00nm 3.9mb

WHN 22.28 333 eP 20 05.70 4.5X
 TIA 26.39 344 Pd 20 40.70 0.2

20d 21h

XAN 27.76 329 Pd 20 52.50 -0.5
WRA 31.78 165 P 21 45.00 16.1X
0.6s 1.40nm
ASPA 35.26 167 eP 21 58.60 -0.3
0.7s 5.30nm 4.6mb
GTA 36.64 325 P 22 11.00 0.5
0.8s 10.00nm 4.8mb
pP 22 21.00 34kmX
LSA 37.36 305 P 22 17.90 0.9
GUN 41.13 300 P 22 48.06 -0.2
PKI 41.44 299 P 22 50.16 -0.6
0.8s 13.00nm 4.8mb
KKN 41.61 300 P 22 51.56 -0.5
DMN 41.71 299 P 22 52.46 -0.4
GKN 42.21 300 P 22 56.16 -0.8
STK 45.14 161 eP 23 20.30 0.1
0.8s 1.70nm 3.9mb
WMO 46.49 322 P 23 32.40 1.5
1.2s 5.00nm 4.3mb
Z 24s 0.25um 4.1mszX
NAO 92.28 334 P 28 11.60 -0.7
0.7s 1.20nm 4.4mb
S.D. = 0.9 on 17 of 19 obs.

JUN 20, 1991 21h 55m 59.25 ± 0.58s
46.406 N ± 7.2km 13.541 E ± 7.2km
DEPTH = 10.0km (geophysicist)
AUSTRIA (546)
MD 2.6 (LJU), 2.3 (TRI), ML 2.2 (VIE).

VOY 0.45 147 iPgd 56 07.50 -0.9
eSg 56 14.80
FVI 0.56 290 P 56 09.40 -1.1
eSg 56 20.10
KBA 0.69 349 iPgc 56 11.50 -1.5
iSg 56 20.70
TRI 0.71 167 iPgd 56 12.00 -1.3
iSg 56 23.90
LJU 0.78 117 ePg 56 13.50 -0.9
eSg 56 25.40
CEY 0.91 137 e(Pg) 56 15.50 -1.2
eSg 56 31.50
RIY 1.21 151 ePn 56 23.50 1.7
iSn 56 43.90
CTI 1.36 255 P 56 25.60 1.3
eSg 56 45.00
SCE 1.41 297 ePg 56 25.30 0.2
e(Pn) 56 26.80 0.6
VBY 1.50 126 e(Pn) 56 26.80 0.6
iSg 56 49.80
WTTA 1.56 304 iPgc 56 28.00 0.7
iSg 56 49.50
PTJ 1.75 106 e(Pn) 56 31.80 1.8
eSn 56 55.70
KHC 2.73 1 Pn 56 44.50 0.6
e 56 54.70
eSn 57 27.00
S.D. = 1.3 on 13 of 13 obs.

? JUN 20, 1991 22h 18m 52.68 ± 2.78s
36.996 N ± 8.9km 13.572 W ± 26.6km
DEPTH = 10.0km (geophysicist)
NORTH ATLANTIC OCEAN (402)
mbLg 3.2 (MDD).

MOE 4.41 68 eP 20 02.00 0.8
iS 20 47.50
EVAL 5.47 82 ePn 20 18.60 2.3X
MTE 5.82 52 eP 20 21.00 -0.1
eS 21 22.50
MVO 6.57 49 eP 20 31.00 -0.8
eS 21 39.00
EPLA 6.62 60 ePn 20 32.50 0.0
EHOR 6.68 80 ePn 20 33.20 0.0
STS 7.03 32 ePn 20 38.00 -0.2
eSn 21 48.00
TIO 8.01 137 iPn 20 51.90 -0.1
iSn 22 15.00
EMON 8.01 35 ePn 20 52.60 0.7
eSn 22 11.30
GUD 8.20 61 ePn 20 54.30 -0.4
S.D. = 0.6 on 9 of 10 obs.

* JUN 21, 1991 01h 07m 05.56s
45.108 N 122.630 W
DEPTH = 24.6km
WASHINGTON-OREGON BORDER REGION (28)

<SEA>. MD 2.6 (SEA).

GT2 0.26 79 Pc 07 11.93 -0.1
S 07 17.24
PGO 0.38 19 Pd 07 14.14 0.4
S 07 20.35
VLMM 0.60 44 Pc 07 17.59 0.1
S 07 26.62
VBEM 0.74 93 Pc 07 19.54 -0.3
VLL 0.76 62 Pd 07 20.35 0.2
KMOR 0.80 311 Pd 07 20.57 -0.3
VFP 0.85 75 P 07 21.38 -0.3
APM 0.92 46 P 07 22.80 0.0
LVP 0.97 9 P 07 23.29 -0.4
RVW 1.04 356 Pd 07 24.38 -0.3
CDFW 1.09 22 Pd 07 25.20 -0.1
GULW 1.09 41 P 07 25.28 -0.2
FL2 1.11 10 Pd 07 25.56 -0.1
HSR 1.11 16 P 07 26.09 0.3
SHW 1.12 14 Pd 07 25.91 0.1
REMW 1.14 16 P 07 26.06 -0.1
NLO 1.14 330 P 07 26.44 0.4
ESD 1.14 17 P 07 26.19 0.0
STD 1.17 14 P 07 26.45 0.0
CROR 1.17 96 P 07 27.04 0.5
SOSW 1.18 17 Pd 07 26.61 -0.1
ERK 1.21 9 P 07 27.07 -0.1
ASR 1.27 35 Pd 07 28.32 0.4
TDL 1.28 13 Pd 07 28.16 0.1
HBO 1.28 170 Pd 07 27.35 -0.8
CZM 1.33 4 P 07 29.24 0.6
GMO 1.37 119 P 07 29.33 0.0
VGB 1.37 72 P 07 30.33 1.1
KOSW 1.39 13 Pd 07 29.97 0.4
BMW 1.43 343 P 07 30.16 0.0
VTHM 1.47 86 P 07 32.34 1.7
GL2 1.53 56 P 07 32.90 1.3
VIPM 1.55 112 P 07 32.05 0.0
S 07 53.13
LMW 1.58 8 Pd 07 33.48 1.1
HSO 1.62 192 ePc 07 32.23 -0.7
GLK 1.62 26 P 07 34.29 1.3
LON 1.74 19 P 07 35.76 1.1
WFW 1.76 25 P 07 36.50 1.5
RVC 1.89 14 P 07 38.42 1.6
CPW 1.90 349 P 07 37.65 0.7
FMW 1.94 20 Pd 07 39.22 1.5
JBO 2.00 79 P 07 39.50 1.0
DBO 2.04 193 P 07 39.59 0.6
NAC 2.06 37 P 07 40.25 1.0
GSM 2.17 15 P 07 42.67 1.7
MXC 2.20 47 P 07 42.41 1.2
SMW 2.27 348 P 07 44.14 1.9
BRVW 2.30 52 P 07 44.06 1.3
EBG 2.30 38 P 07 44.02 1.3
OBH 2.38 339 P 07 47.14 3.4
GMW 2.44 358 P 07 46.42 1.7
RSW 2.49 58 P 07 46.19 0.8
TBM 2.50 34 P 07 47.02 1.4
MDW 2.51 52 P 07 45.09 -0.5
GBL 2.67 55 P 07 48.89 1.0
WAH2 2.70 51 P 07 49.31 1.0
WG3 2.81 70 P 07 49.71 -0.1
OT2 2.87 55 P 07 51.97 1.3
RC1 2.89 49 P 07 51.96 1.0
BLN 2.91 355 P 07 54.27 3.0
EPH 3.08 42 P 07 54.30 0.6
JCW 3.12 9 P 07 56.15 1.8

62 obs. associated

? JUN 21, 1991 01h 19m 31.40 ± 1.01s
35.916 N ± 65.1km 53.441 E ± 12.3km
DEPTH = 33.0km (normal)
IRAN (348)

TEH 1.68 265 eP 19 58.00 -1.0
IR4 2.18 253 iPd 20 06.50 0.3
IR1 2.30 258 eP 20 08.00 0.1
IR7 2.31 266 eP 20 09.00 0.9
IR5 2.44 254 eP 20 09.50 -0.4
MAIO 4.92 84 ePn 20 45.00 0.0
eSn 21 40.00
S.D. = 0.9 on 6 of 6 obs.

* JUN 21, 1991 01h 28m 05.67 ± 0.80s
81.842 N ± 13.0km 121.651 E ± 12.2km
DEPTH = 10.0km (geophysicist)

4.1mb (3 obs.)
EAST OF SEVERNAYA ZEMLYA (654)

MBC 19.19 40 eP 32 32.00 0.5
YAK 20.04 169 iPc 32 41.30 0.2
INK 25.15 58 eP 33 31.00 -0.7
YKA 32.89 45 eP 34 44.70 3.5X
1.1s 1.20nm 3.7mb
NAO 33.08 303 P 34 43.20 0.3
1.1s 3.30nm 4.2mb
OBN 35.21 277 eP 35 01.00 -0.3
CLL 42.11 298 ePd 36 01.00 2.2X
BRG 42.42 297 e(P) 36 03.60 2.2X
KHC 44.18 296 P 36 19.00 3.3X
e 36 26.00
GBA 70.68 226 P 39 20.00 -3.1X
0.3s 0.80nm 4.3mb
S.D. = 0.7 on 5 of 10 obs.

% JUN 21, 1991 01h 45m 20.04 ± 0.67s
42.830 N ± 5.6km 11.578 E ± 6.3km
DEPTH = 10.0km (geophysicist)
CENTRAL ITALY (381)

MAO 0.52 217 P 45 30.60 0.0
eSg 45 37.50
ASS 0.83 73 P 45 36.20 0.1
eSg 45 47.50
CRE 0.84 19 P 45 35.90 -0.5
MNS 0.93 118 P 45 37.50 -0.3
eSg 45 52.00
SFI 1.11 10 P 45 40.70 -0.1
eSg 45 57.20
ARV 1.20 56 P 45 43.00 0.6
BDI 1.42 330 P 45 46.20 0.2
S.D. = 0.4 on 7 of 7 obs.

JUN 21, 1991 01h 49m 07.31 ± 1.04s
10.927 N ± 4.1km 126.059 E ± 6.7km
DEPTH = 59.5 ± 9.9 km
4.9mb (16 obs.) 4.3msz (9 obs.)
PHILIPPINE ISLANDS REGION (248)

MAP 2.13 254 iPc 49 42.00 0.9
iS 50 06.00
CGP 2.80 209 iPc 49 50.00 -0.6
eS 50 27.00
DAV- 3.84 187 eP 50 08.00 2.7X
PGP 5.61 298 iPc 50 31.50 1.4
1.0s 69.00nm 4.9mb
CVP 7.89 329 eP 51 00.00 -1.9
QIZ 17.60 299 eP 53 10.60 0.4
E 18s 1.50um
GUMO 18.57 80 eP 53 21.00 -1.0
SSE 20.57 348 eP 53 43.00 -0.6
0.8s 10.00nm 4.2mb
Z 20s 0.50um 3.9msz
E 10s 0.30um
eS 53 52.00
eS 57 28.00
sS 57 36.00
NJ2 22.05 344 Pc 53 53.00 -5.5X
E 11s 0.40um
WHN 22.35 333 eP 54 03.00 1.6
Z 20s 0.40um 3.8msz
E 12s 0.20um
GYA 23.95 313 P 54 17.80 0.6
Z 25s 0.90um 4.1mszX
N 13s 0.50um
E 13s 0.70um

MTN 24.15 168 eP 54 20.00 1.0
KGM 24.25 250 eP 54 21.50 1.5
SNG 25.39 264 eP 54 32.80 1.9
eS 59 11.20
IPM 25.58 258 ePd 54 42.40 9.7X
0.8s 26.60nm 4.8mb
KMI 26.22 306 eP 54 38.00 -0.9
TIA 26.44 344 eP 54 40.60 0.2
KNA 26.64 174 eP 54 42.00 -0.4
XAN 27.84 328 P 54 52.50 -0.7
DL2 28.14 353 eP 54 57.40 1.6
eP 55 06.50 32kmX
sP 55 10.00
eS 59 39.00
eScS 05 40.00
TIY 29.35 338 eP 55 05.50 -1.3
Z 20s 0.50um 4.1msz

N 13s 0.29um S 00 01.50 0.0
 BJI 30.29 345 eP 55 15.00 0.0
 Z 16s 0.29um 4.0MszX
 eS 00 12.00
 eScS 05 52.00
 SNY 30.86 356 eP 55 20.10 0.1
 1.2s 40.00nm 5.0mb
 Z 18s 0.50um 4.2Msz
 S 00 20.50
 LZH 32.12 325 eP 55 31.50 0.1
 2.0s 40.00nm 4.9mb
 Z 17s 0.78um 4.5MszX
 E 13s 0.53um
 pP 55 38.00 23kmX
 sP 55 43.00
 HHC 32.43 339 eP 55 34.00 0.0
 Z 20s 0.60um 4.3Msz
 N 12s 0.20um
 E 10s 0.20um
 CN2 32.76 359 eP 55 40.00 3.4X
 Z 18s 0.60um 4.3Msz
 epP 55 47.00 24kmX
 eS 00 50.00
 BTO 32.78 337 eP 55 37.00 0.1
 N 17s 0.40um
 E 17s 0.40um
 eS 00 51.50
 MDJ 33.71 5 eP 55 46.00 1.2
 OIS 34.01 157 eP 55 45.70 -2.0
 i 55 48.10
 i 55 53.60
 ASPA 35.23 167 eP 55 57.30 -0.8
 1.0s 93.60nm 5.7mb
 eS 01 26.10
 GTA 36.73 325 Pc 56 11.40 0.6
 1.2s 20.00nm 4.9mb
 Z 22s 0.70um 4.4Msz
 N 19s 0.90um
 pP 56 22.00 37kmX
 sP 56 24.00
 S 01 54.00
 ScP 02 18.00
 ScS 06 22.40
 WARB 36.89 179 eP 56 12.00 -0.1
 0.6s 17.00nm 5.2mb
 MRWA 41.07 193 eP 56 45.90 -0.9
 GUN 41.26 300 P 56 48.02 -0.8
 0.7s 40.00nm 5.3mb
 PKI 41.57 299 P 56 49.90 -1.5
 0.7s 29.00nm 5.1mb
 FORR 41.58 177 iPc 56 51.40 0.5
 KKN 41.74 300 P 56 51.08 -1.5
 DMN 41.84 299 P 56 52.26 -1.2
 GKN 42.34 300 P 56 55.96 -1.6
 KLB 43.02 190 iPd 57 02.20 -0.5
 0.4s 26.00nm 5.4mb
 NWA0 44.41 191 eP 57 13.90 -0.1
 STK 45.09 161 eP 57 18.90 -0.5
 0.6s 3.90nm 4.4mb
 RKG 46.05 190 iPd 57 27.40 0.4
 0.4s 26.00nm 5.5mb
 WMO 46.58 322 P 57 31.20 0.0
 Z 18s 0.60um 4.6Msz
 N 19s 1.30um
 pP 57 43.50
 ScP 59 05.50
 S 04 17.40
 sS 04 33.00
 BWA 49.85 156 eP 57 58.20 1.6
 CAN 50.86 156 eP 58 04.80 0.5
 YAK 51.07 2 eP 58 05.60 0.2
 e 58 50.00
 e 07 50.00
 DZM 51.42 130 iPc 58 09.40 0.6
 MAIO 64.75 305 eP 59 41.00 -1.0
 OBN 80.83 324 eP 01 13.00 -3.0X
 Z 19s 0.20um 4.5Msz
 KEV 82.95 340 eP 01 15.00 -11.8X
 SOD 83.60 337 iP 01 31.00 0.8
 INK 83.75 22 eP 01 31.00 0.1
 MBC 85.12 13 eP 01 39.00 1.4
 0.8s 4.00nm 4.6mb
 NUR 86.13 331 eP 01 43.00 0.1
 NAO 92.35 334 P 02 11.30 -1.0
 0.7s 1.10nm 4.4mb
 YKA 93.24 24 eP 02 17.50 1.1

1.1s 2.00nm 4.5mb
 ZOBO 165.23 113 PKP 08 58.20 -9.2X
 i 10 08.60
 S.D. = 1.0 on 51 of 58 obs.

? JUN 21, 1991 02h 38m 49.51±4.64s
 10.580 N ±33.1km 125.765 E ±46.4km
 DEPTH = 110.0 ± 32.1 km
 4.1mb (2 obs.)

LEYTE, PHILIPPINE ISLANDS (256)

MAP 1.77 262 iPc 39 19.80 -0.3
 eS 39 43.80
 CGP 2.36 207 ePd 39 28.00 0.3
 eS 40 04.00

SSE 20.85 349 eP 43 22.70 -1.6X
 ASPA 34.95 167 eP 45 32.70 -0.3
 1.0s 51.70nm 5.4mb X

GUN 41.18 300 P 46 25.80 0.5
 PKI 41.49 300 P 46 27.98 0.2
 KKN 41.66 300 P 46 29.16 0.1

DMN 41.76 300 P 46 29.06 -0.8
 GKN 42.26 300 P 46 33.98 0.1
 STK 44.86 161 eP 46 59.20 4.7X

0.8s 2.50nm 4.1mb
 NAO 92.53 334 P 51 49.40 0.1
 0.8s 0.90nm 4.1mb

S.D. = 0.5 on 9 of 11 obs.

& JUN 21, 1991 03h 06m 40.73s
 58.214 N 142.736 W
 DEPTH = 10.0km (geophysicist)

GULF OF ALASKA (15)
 <AEIC>. ML 2.8 (AEIC).

YKU 2.06 48 eP 07 11.04 -4.7
 MID 2.23 305 eP 07 13.69 -4.6
 WAX 2.24 359 eP 07 13.35 -5.2

PNL 2.26 48 iP 07 13.15 -5.6
 HMT 2.27 340 eP 07 13.39 -5.5
 RAGM 2.40 336 eP 07 15.74 -4.9

TGL 2.55 359 iP 07 17.77 -5.1
 eS 07 45.97
 CROM 2.56 356 eP 07 17.78 -5.3

SGAM 2.62 332 eP 07 19.20 -4.6
 S 07 49.66
 CVA 2.80 328 eP 07 20.28 -6.1

BALM 2.84 4 eP 07 21.89 -5.1
 S 07 53.76
 CTGM 2.85 14 eP 07 22.01 -5.2

S 07 54.12
 HIN 2.92 320 eP 07 23.16 -4.9
 MTU 3.10 307 eP 07 25.24 -5.3

LTI 3.21 307 iP 07 26.62 -5.6
 GLB 3.28 351 eP 07 27.80 -5.5
 eS 08 04.36

KNIM 3.34 312 eP 07 28.20 -5.9
 VLZ 3.45 330 eP 07 29.79 -5.7
 VZW 3.45 327 eP 07 29.85 -5.8

GLI 3.47 322 eP 07 29.98 -5.9
 KLU 3.66 335 eP 07 33.25 -5.4
 SIT 4.15 103 eP 07 37.19 -8.2

TOA 4.26 338 eP 07 41.93 -5.3
 KNK 4.32 320 eP 07 42.52 -5.4
 SLKM 4.47 304 eP 07 44.15 -5.9

PMS 4.60 314 eP 07 45.76 -6.2
 CNPM 4.60 290 eP 07 46.83 -5.1
 PLRM 4.67 319 eP 07 46.03 -6.9

GHO 4.73 322 eP 07 48.80 -5.1
 RDT 5.48 300 eP 07 57.93 -6.5
 NCG 5.73 308 eP 08 02.11 -5.9

31 obs. associated

* JUN 21, 1991 03h 50m 13.04±2.58s
 10.745 N ±16.1km 125.797 E ±22.6km
 DEPTH = 91.4 ± 19.4 km
 4.5mb (2 obs.)

LEYTE, PHILIPPINE ISLANDS (256)

MAP 1.83 257 ePc 50 44.00 0.4
 iS 51 08.00

CGP 2.52 206 eP 50 52.50 -0.4
 iS 51 35.00

ASPA 35.11 167 eP 56 59.20 -0.4
 1.0s 43.90nm 5.3mb

GUN 41.13 300 P 57 50.60 0.3
 PKI 41.43 300 P 57 52.00 -0.7

KKN 41.60 300 P 57 54.20 0.2
 DMN 41.70 300 P 57 55.20 0.3
 GKN 42.21 300 P 57 58.20 -0.7
 KLB 42.79 190 eP 58 04.10 0.8
 YKA 93.51 24 eP 03 19.80 0.3
 0.9s 0.30nm 3.7mb
 S.D. = 0.6 on 10 of 10 obs.

* JUN 21, 1991 03h 57m 46.32±2.68s
 2.394 N ± 9.1km 126.696 E ±13.8km
 DEPTH = 104.9 ± 25.8 km
 4.7mb (6 obs.)

MOLUCCA PASSAGE (266)

TSM 8.80 282 ePd 59 53.20 0.8
 WB2 23.44 162 eP 02 45.70 -1.4
 0.3s 33.00nm 5.2mb

eS 06 52.90
 OIS 26.09 152 eP 03 11.00 -1.0
 ASPA 26.84 165 eP 03 19.60 0.7

1.0s 62.50nm 5.1mb
 WARB 28.41 180 iPd 03 34.00 1.0
 0.3s 4.00nm 4.5mb

WHN 30.34 339 eP 03 46.50 -3.6X
 CHG 31.70 303 eP 03 47.00 -15.3X
 FORR 33.09 178 iPd 04 13.20 -0.9

MAT 35.60 16 eP 04 35.00 -0.7
 CD2 35.70 325 eP 04 36.20 -0.4
 STK 36.91 159 eP 04 45.90 -0.7

0.7s 6.00nm 4.6mb
 e 06 09.50

TIY 37.51 341 eP 04 50.70 -1.0
 BJI 38.67 347 eP 05 02.00 0.7
 1.0s 13.00nm 4.7mb

BWA 41.93 153 eP 05 29.80 1.5
 MDJ 42.12 3 eP 05 32.00 2.4X
 CAN 42.94 153 eP 05 37.10 0.6

GUN 46.49 307 P 06 05.32 0.0
 PKI 46.72 306 P 06 06.54 -0.6
 KKN 46.92 307 P 06 08.24 -0.3

DMN 46.98 306 P 06 08.76 -0.4
 GKN 47.52 307 P 06 12.86 -0.4
 GBA 49.93 286 Pc 06 31.10 -0.6

0.9s 5.70nm 4.6mb
 YAK 59.52 2 iPd 07 41.20 0.7
 QUE 62.83 303 eP 08 03.20 -0.4

OBN 88.11 325 eP 10 29.00 2.8
 S.D. = 1.1 on 22 of 25 obs.

? JUN 21, 1991 04h 07m 37.24±2.26s
 17.726 S ±55.4km 67.420 W ±12.9km
 DEPTH = 260.5 ± 10.5 km
 3.5mb (1 obs.)

BOLIVIA (120)

CCH 1.27 75 P 08 16.50 0.9
 S 08 45.30

LPB 1.35 331 iPc 08 16.70 0.4
 0.9s 389.92nm
 iS 08 46.00

ZOBO 1.60 335 iPc 08 18.20 -0.1
 S 08 47.90
 ARE 4.09 287 iPd 08 42.60 -0.8

iS 09 32.50
 SIV 6.32 75 P 09 09.20 -1.0
 YKA 88.12 340 eP 19 59.80 0.6

0.5s 0.40nm 3.5mb
 S.D. = 1.2 on 6 of 6 obs.

JUN 21, 1991 04h 33m 07.07±0.60s
 39.068 N ± 5.1km 22.423 E ± 7.2km
 DEPTH = 10.0km (geophysicist)

GREECE (364)

MD 3.4 (ATH).

AGG 0.09 238 iPd 33 10.06 0.4
 LIT 1.03 3 ePd 33 27.38 0.8

eS 33 42.58
 PAIG 1.30 48 ePd 33 31.33 0.3
 eS 33 48.78

KZN 1.34 338 ePb 33 31.50 -0.2
 THE 1.62 15 iPd 33 35.69 0.0
 eS 33 56.82

VLS 1.69 239 ePn 33 38.00 1.2
 GRG 1.89 359 ePc 33 38.54 -1.1
 SOH 1.89 22 iPc 33 40.46 0.7

eS 34 05.14

21d 04h

FNA	1.89	335	ePc	33	39.18	-0.6	Z	20s	2.13um	4.7msz	LIC	83.14	85 P	03	21.00	1.5	
			eS	34	03.70		GLD	29.95	335 P	57 03.00	0.0	Z	21s	0.57um	4.9msz		
KNT	2.12	10	iPc	33	43.30	0.2	Z	20s	2.50um	4.8msz	KIC	83.38	85 P	03	21.00	0.3	
			eS	34	09.10		GOL	29.97	335 P	57 01.50	-1.8	NAO	83.55	29 P	03	20.60	-0.1
SRS	2.23	23	ePc	33	44.82	0.1		0.9s	16.29nm	4.8mb		0.8s	2.20nm			4.2mb	
			eS	34	11.98		Z	20s	2.25um	4.8msz	UPP	87.06	29 eP	03	37.00	-1.1	
VAY	2.25	3	ePn	33	45.40	0.5	GLA	30.52	315 eP	57 08.00	0.1	CLL	87.44	38 eP	03	50.00	9.9X
VLI	2.38	170	ePn	33	45.60	-1.1	PV09	30.74	329 P	57 10.50	0.4		e		04	44.00	
OHR	2.39	329	ePn	33	45.80	-1.1	TBR	30.88	23 P	57 10.50	-0.4	BRG	88.14	38 eP	03	54.20	10.7X
S.D. = 0.8 on 14 of 14 obs.																	
JUN 21, 1991 04h 50m 58.04± 0.56s																	
13.145 N ± 5.2km 89.388 W ± 4.4km																	
DEPTH = 59.9 ± 5.1 km																	
4.9mb (18 obs.)																	
EL SALVADOR (73)																	
Mo=3.0*10**17 Nm (PPT). Felt																	
(111) at San Salvador. Also felt																	
lightly at Guatemala City,																	
Guatemala.																	
YUP	1.12	339	P	51	16.80	-1.2											
LPS	1.16	11	iPd	51	20.50	2.0											
OZG	1.48	0	P	51	23.50	0.5											
TER	1.71	313	P	51	22.00	-4.0X	ARE	34.33	148 eP	57 43.00	1.5	HHC	122.88	341 ePKP	09	49.80	0.5
SLP	1.81	331	P	51	26.50	-1.0	ISA	34.48	316 eP	57 43.00	0.6	WMQ	123.25	3 ePKP	09	50.50	0.6
GCG	1.81	322	P	51	27.00	-0.6	TNP	35.05	320 P	57 48.00	0.5	Z	26s	1.30um	5.5mszX		
FUG	1.92	313	P	51	25.20	-3.8X		1.0s	18.75nm	5.0mb		TIY	125.42	339 ePKP	09	53.20	-1.1
MRL	1.93	351	P	51	29.10	-0.1	ZOBO	36.00	144 iPc	57 55.20	-0.8	GTA	127.02	351 ePKP	09	57.20	-0.3
BVA	1.94	321	P	51	30.80	1.4		1.0s	23.75nm	5.1mb		Z	24s	1.10um	5.5mszX		
RDG	2.13	331	P	51	27.40	-4.7X	Z	24s	4.13um	5.1mszX		N	20s	1.10um			
JAT	2.48	298	P	51	34.00	-2.7X		S		03 48.00		LZH	129.46	346 ePKP	10	12.00	9.7X
SOG2	2.63	307	P	51	35.00	-4.1X	FRI	36.04	317 ePd	57 55.30	-0.2	Z	24s	1.58um	5.6mszX		
SBG	3.25	308	P	51	46.50	-1.6		e		04 11.30		E	15s	0.65um			
TPX	3.29	302	iP	51	48.30	0.0	LPB	36.22	144 P	57 57.40	-0.3		sPKP		10	25.50	
SCX	4.75	319	(P)	52	13.00	4.2X	Z	20s	5.67um	5.3msz			ePP		13	12.00	
PBJ	6.68	300	(P)	52	29.00	-6.8X		LR		09 14.00		QUE	131.26	28 ePKP	10	16.80	10.9X
OXX	8.09	300	(P)	52	54.89	-0.7	PRI	36.24	315 e(P)	57 57.00	-0.3	WB2	137.62	255 ePKP	10	18.20	0.2
			iS	54	36.33		PRS	36.82	314 e(P)	58 02.70	0.6		0.6s	3.30nm			
VHO	8.09	300	(P)	52	55.00	-0.6	CMB	37.06	318 eP	58 03.70	-0.5	WRA	137.63	255 PKP	10	18.00	0.0
IISM	9.63	308	(P)	53	15.62	-0.9		e		04 14.30			1.4s	3.00nm			
GCM	9.82	50	eP	53	21.40	2.3	SAO	37.09	315 e(P)	58 05.60	1.2	GKN	138.69	8 PKP	10	21.16	1.2
IIT	10.37	305	eP	53	29.05	2.1	MHC	37.53	316 eP	58 09.00	0.8	GUN	138.93	6 PKP	10	21.50	0.9
UPA	10.52	112	iPc+	53	29.00	0.3		eLR		11 46.00		KKN	138.98	7 PKP	10	20.46	-0.1
Z	20s	12.06um					LRM	37.97	334 eP	58 11.70	-0.3	DMN	139.14	7 PKP	10	21.04	0.2
			i	53	34.20		CCH	38.04	142 P	58 13.50	0.7	PKI	139.21	7 PKP	10	20.56	-0.6
PPM	10.65	305	(P)	53	22.46	-8.5X	BKS	38.21	316 eP	58 24.00	10.3X	CHG	147.20	345 ePKPc	10	36.40	1.8
			(S)	56	07.00			8.0s	696.00nm				0.9s	10.92nm			
IIA	10.72	305	iP	53	33.24	1.9	Z	20s	7.00um	5.5msz		HYB-	147.38	22 ePKPd	10	36.00	1.0
ACX	10.77	291	iP	53	29.79	-2.3		eS		04 10.00		BDT	148.69	344 ePKP	10	39.00	2.0
			(S)	56	13.94			eLQ		09 44.00		NST	149.86	341 ePKP	10	45.70	6.9X
TPM	10.96	303	(P)	53	35.50	0.7	BRK	38.22	316 ePd	58 24.00	10.2X	GBA	150.39	27 PKPc	10	44.30	4.7X
III	11.01	299	eP	53	35.75	0.2		eLR		11 54.00			0.9s	16.70nm			
TAC	11.28	305	(P)	53	24.00	-15.3X	ORV	38.63	319 eP	58 18.30	1.0	KHT	151.15	344 iPKPd	10	48.00	7.2X
MRX	13.06	301	iP	54	05.30	2.6X	MIN	39.14	320 eP	58 22.00	0.3	KOD	153.36	30 ePKP	10	51.00	6.6X
CGX	14.99	298	(P)	54	33.00	5.0X	WDC	39.86	319 eP	58 25.80	-1.7	S.D. = 1.1 on 100 of 132 obs.					
PSO	16.84	134	eP	54	53.00	1.2		ePP		00 33.00		& JUN 21, 1991 05h 10m 21.46s					
YANA	16.99	140	eP	54	55.80	2.1	SIV	40.27	135 iPc	58 31.00	-0.1	59.836 N 153.158 W					
GCP	17.02	140	P	54	57.00	2.8X	FHC	40.90	319 ePd	58 37.10	1.1	DEPTH = 112.4km					
QUR	17.06	140	eP	54	57.50	3.0X	SES	41.14	339 eP	58 37.00	-0.9	3.9mb (2 obs.)					
BMG	17.15	109	iPc	54	55.00	-0.3	NEW	41.90	332 P	58 44.00	-0.2	SOUTHERN ALASKA					
FUD	17.21	115	eP	54	55.50	-0.9		Z	18s	4.89um	5.4msz	<AEIC>.					
BOG	17.33	118	iPc	55	02.00	4.1X	FFC	42.65	349 iPc	58 49.40	-0.7	AUE	0.49	193 iPd	10	37.97	-0.7
			iS	58	20.00			0.6s	9.00nm		4.7mb	AUH	0.50	197 iPd	10	38.22	-0.6
SDV	18.89	101	iPc	55	15.70	-1.0	PNT	43.81	332 eP	59 00.00	0.4	AUI	0.52	195 iPd	10	38.16	-0.8
TOV	19.49	98	eP	55	21.80	-1.4		0.7s	12.00nm		4.8mb		eS		10	50.67	
CEOS	21.06	99	iP	55	37.00	-2.5	SCH	45.19	18 eP	59 09.00	-1.7	PDB	0.53	265 ePd	10	38.08	-0.9
LLAV	22.26	94	iP	55	37.00	-14.5X	MDZ	49.80	157 i(P)	59 47.10	0.2		eS		10	50.79	
JSC	22.30	18	P	55	53.00	1.4	BAO	49.94	124 ePc	59 47.00	-1.4	RS2	0.66	17 iPc	10	39.52	-0.7
MEO	23.10	340	iPd	55	59.00	-0.5	PPD	51.15	133 eP	59 55.70	-1.6	RSO	0.66	18 iPc	10	39.49	-0.7
TUL	23.39	347	iP	56	01.50	-0.7	YKA	52.46	346 eP	00 04.60	-2.0	RDW	0.67	15 iPc	10	39.51	-0.8
	0.6s	9.50nm						0.8s	20.00nm		5.2mb	REF	0.69	19 iPc	10	39.73	-0.8
FVM	24.75	358	P	56	15.00	-0.4	FRB	52.61	11 eP	00 05.00	-2.7X	RDN	0.71	16 iPc	10	39.79	-0.7
	0.7s	34.01nm						0.5s	21.00nm		5.4mb		eS		10	53.51	
BLA	25.27	17	P	56	20.00	-0.4	SOB1	53.03	112 eP	00 10.50	-1.0	NCT	0.74	9 iPc	10	39.96	-0.8
	1.0s	50.00nm						e		00 25.20			eS		10	54.12	
ALO	26.64	327	eP	56	32.00	-1.2	VAO	54.91	131 eP	00 24.40	-0.9	HOM	0.79	102 iPc	10	40.59	-0.4
	1.7s	24.04nm						e		00 45.20			eS		10	55.49	
Z	19s	3.65um					BMA	56.85	128 (P)	00 46.00	6.8X	DFR	0.79	17 iPc	10	40.48	-0.8
ANMO	26.64	327	P	56	35.00	1.8	INK	61.98	343 eP	01 12.00	-1.9	XLV	0.82	117 ePc	10	40.47	-0.9
	1.3s	20.67nm					PMR	64.33	333 P	01 40.00	10.6X		eS		10	55.33	
Z	20s	4.47um						Z	18s	2.67um	5.5msz	RDT	0.83	27 iPc	10	40.73	-0.8
CBN	27.15	21	eP	56	39.00	1.5	MBC	65.08	352 ePc	01 31.90	-2.1		iS		10	55.24	
			e	56	50.00			0.9s	32.00nm		5.3mb	MCNL	0.89	223 iPd	10	40.99	-1.0
NNA	27.90	153	eP	56	52.00	7.4X	LKO	81.89	82 P	03 12.36	-0.7		eS		10	55.72	
	1.2s	34.38nm						0.6s	12.00nm		5.1mb	CDD	0.94	195 iPd	10	41.55	-1.0

NNL	0.96	77	iPc	10	42.93	0.2
CNPM	1.02	107	iPc	10	42.48	-0.9
			eS	10	58.64	
SYI	1.29	162	ePd	10	45.43	-0.9
			eS	11	04.03	
NKA	1.32	46	iPc	10	47.51	0.9
CKL	1.42	16	iPd	10	47.44	-0.6
SPU	1.46	22	iPc	10	47.83	-0.5
			eS	11	08.14	
BGL	1.48	14	eP	10	48.30	-0.4
CRP	1.52	19	ePd	10	48.70	-0.5
			eS	11	09.81	
CGLM	1.58	21	ePd	10	49.34	-0.5
SLKM	1.62	64	eP	10	48.90	-1.3
			eS	11	09.56	
NCG	1.65	17	ePd	10	50.23	-0.5
SVW	1.77	317	ePd	10	50.84	-1.3
SEW	1.88	80	ePc	10	52.05	-1.5
SUA	2.02	35	iPd	10	54.89	-0.5
			eS	11	19.79	
KDC	2.12	170	ePd	10	54.36	-2.2
			eS	11	20.40	
PMS	2.27	50	ePd	10	57.64	-1.0
SKT	2.29	20	ePd	10	57.92	-1.0
			S	11	26.12	
PWA	2.43	40	ePc	10	59.79	-0.8
PLRM	2.65	47	ePc	11	01.48	-2.0
PMR	2.65	47	P	11	03.40	-0.1
LTI	2.68	83	iPc	11	02.31	-1.6
KNIM	2.76	77	iPc	11	02.70	-2.4
MTU	2.78	84	eP	11	04.18	-1.4
KNK	2.81	54	eP	11	03.32	-2.3
GHO	2.84	45	ePd	11	04.13	-2.1
CUT	2.93	27	eP	11	06.01	-1.3
SML	3.08	48	iPd	11	07.19	-2.2
GLI	3.19	68	eP	11	07.79	-3.0
TTA	3.39	337	ePd	11	11.95	-1.7
MID	3.49	94	eP	11	13.24	-1.5
SCM	3.49	52	ePc	11	12.75	-2.1
VZW	3.49	67	eP	11	13.03	-1.9
HUR	3.58	27	eP	11	15.00	-1.1
VLZ	3.62	66	eP	11	14.20	-2.3
			S	11	54.03	
KLU	3.93	62	ePc	11	18.53	-2.4
TOA	4.09	53	ePc	11	21.10	-2.0
RND	4.13	28	ePd	11	21.84	-1.8
MCK	4.39	25	eP	11	25.40	-1.8
SDG	4.57	51	eP	11	27.30	-2.2
BWN	4.69	20	eP	11	28.92	-2.2
PAX	4.85	46	eP	11	31.24	-2.2
GLB	4.88	67	eP	11	30.29	-3.5
NEA	5.13	20	ePd	11	34.72	-2.5
TGL	5.22	75	ePc	11	36.68	-1.9
WRH	5.22	25	ePd	11	35.77	-2.7
LCB	5.44	25	ePd	11	38.44	-3.0
BALM	5.49	73	eP	11	40.71	-1.6
RDS	5.53	23	eP	11	39.50	-3.2
QJM	5.63	22	ePc	11	41.25	-2.8
A	5.66	24	eP	11	41.62	-2.9
A	5.82	25	ePd	11	43.70	-3.1
GM	5.97	74	eP	11	47.95	-1.0
	6.26	358	eP	11	51.17	-1.7
L	6.96	85	ePc	11	59.68	-2.6
YKA	18.59	65	eP	14	29.30	-2.9
	0.3s		2.50nm		4.0mb	
MBC	20.20	23	eP	14	50.00	1.2
	1.0s		6.00nm		3.9mb	
72 obs. associated						

? JUN 21, 1991 05h 16m 32.72±2.75s
8.254 S ±21.7km 129.448 E ±27.8km
DEPTH = 189.8 ±25.0 km
4.0mb (1 obs.)

TIMOR SEA (290)

MTN	4.85	160	iPc	17	46.00	0.3
			eS	18	34.00	
KNA	7.48	185	iPc	18	20.00	-0.2
			eS	19	49.00	
WB2	12.55	158	eP	19	25.40	-0.6
	0.2s		25.30nm		5.3mb X	
			eS	21	45.30	
QIS	15.68	142	eP	20	05.00	-0.1
			iS	22	58.30	
ASPA	15.91	165	eP	20	08.20	0.4
	1.0s		159.20nm		5.4mb X	
			eS	23	08.50	

STK	26.08	156	eP	21	50.80	0.2
	0.5s		1.50nm		4.0mb	
YKA	109.11	26	ePd	30	37.50	0.0
	0.4s		0.10nm			
S.D. = 0.5 on 7 of 7 obs.						

* JUN 21, 1991 05h 25m 02.51±1.28s
6.514 S ±10.1km 155.598 E ±11.0km
DEPTH = 219.9 ±13.9 km
5.0mb (4 obs.)

SOLOMON ISLANDS (193)

RA8	4.12	304	eP	26	07.00	0.0
PMG	8.84	250	eP	27	15.00	7.4X
DZM	18.68	147	iPd	29	06.90	0.2
WB2	24.57	235	iPc	30	04.50	0.4
	0.3s		34.30nm		5.4mb	
WRA	24.58	235	P	30	04.00	-0.2
	0.3s		17.60nm		5.1mb	
WARB	33.83	231	iPd	31	26.10	0.0
	0.4s		10.00nm		4.8mb	
FORR	35.36	223	iPc	31	38.70	-0.2
MNG	38.34	155	P	32	03.50	-0.2
INK	89.06	21	ePd	37	33.50	0.1
YKA	95.63	28	eP	38	03.70	0.0
	0.5s		0.80nm		4.2mb	
S.D. = 0.3 on 9 of 10 obs.						

* JUN 21, 1991 05h 39m 10.29±4.40s
18.277 S ±17.6km 178.125 W ±16.6km
DEPTH = 498.6 ±52.4 km
4.5mb (6 obs.)

FUJI ISLANDS REGION (181)

DZM	14.97	253	iPc	42	20.60	-0.1
MNG	22.94	193	P	43	35.80	-0.9
THZ	24.63	196	eP	43	52.10	0.0
KHZ	25.09	195	P	43	55.00	-1.0
LTZ	25.75	196	P	44	01.30	-0.7
MHZ	28.70	199	P	44	28.20	0.3
MSZ	28.79	201	eP	44	29.90	1.4
TLC	28.88	199	P	44	30.00	0.5
COO	29.82	240	iPc	44	39.00	1.3
CTAO	33.65	261	iPd	45	10.50	0.3
	0.9s		17.30nm		4.6mb	
STK	38.69	242	iPd	45	53.10	1.3
	0.7s		4.50nm		4.1mb	
			e	46	39.40	
			e	49	34.40	
WB2	44.82	260	iPc	46	39.70	-1.1
	0.5s		18.80nm		4.9mb	
WRA	44.83	260	P	46	40.00	-0.9
	0.6s		10.50nm		4.5mb	
ASPA	44.95	255	iPd	46	41.50	-0.3
	1.0s		72.50nm		5.2mb	
			i	52	40.00	
WARB	51.42	251	eP	47	30.10	-0.4
INK	92.17	15	eP	51	26.00	-0.3
YKA	94.55	25	eP	51	37.90	0.6
	0.9s		0.90nm		3.9mb	
KSP	145.54	344	ePKP	57	55.00	2.7X
CLL	145.88	348	iPKPc	57	55.60	2.8X
	0.8s		17.00nm			
BRG	146.09	346	iPKP	57	56.60	3.5X
	0.8s		12.00nm			
FLN	149.53	3	ePKP	58	05.70	7.1X
	1.0s		16.00nm			
CDF	149.62	353	ePKP	58	05.10	6.2X
	0.8s		5.35nm			
LDF	149.72	3	ePKP	58	05.40	6.5X
	0.8s		6.70nm			
GRR	149.88	4	ePKP	58	06.00	6.9X
	0.5s		4.35nm			
HAU	150.12	354	ePKP	58	06.40	6.8X
	0.8s		5.35nm			
LPF	150.23	4	ePKP	58	06.80	7.2X
	0.8s		10.75nm			
BSF	150.25	353	ePKP	58	06.60	6.7X
	0.6s		3.60nm			
LOR	151.04	357	ePKP	58	08.70	7.7X
	0.8s		5.35nm			
SSF	151.26	358	ePKP	58	09.30	8.0X
	0.6s		4.05nm			
LBF	151.32	357	ePKP	58	09.30	7.9X
	0.8s		4.05nm			
MFF	151.70	3	ePKP	58	10.20	8.3X
	0.6s		4.50nm			

S.D. = 0.9 on 17 of 31 obs.

JUN 21, 1991 06h 08m 59.77±0.87s
2.442 N ±3.5km 126.829 E ±5.1km
DEPTH = 65.8 ±8.4 km
5.3mb (36 obs.)

MOLUCCA PASSAGE (266)

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 26C

Centroid Location:

Origin Time 06:09: 2.2 0.8

Lot 2.74N 0.13 Lon 126.64E 0.17

Dep 38.5 6.1 Half-duration 1.8

Moment Tensor; Scale 10**17 Nm

Mrr= 0.94 0.12 Mtt= 0.29 0.10

Mff=-1.23 0.19 Mrt=-0.15 0.17

Mrf=-0.62 0.18 Mtf=-0.64 0.12

Principal Axes:

T Vol= 1.10 Plg=75 Azm= 84

N 0.52 6 198

P -1.62 14 289

Best Double Couple:Mo=1.4*10**17

NP1:Strike= 28 Dip=32 Slip= 102

NP2: 194 59 83

DAV	4.78	345	eP	10	10.00	-1.0
AAI	6.24	167	eP	10	33.00	1.6
CGP	6.34	341	iPd	10	33.00	0.2
	1.0s	92.00nm			5.2mb	
MAP	8.32	340	eP	11	02.00	1.8
	0.5s	30.00nm			5.4mb	
TSM	8.92	282	eP	11	10.00	1.6
KKM	11.17	289	ePc	11	39.50	0.3
	0.9s	85.10nm			5.7mb	
CVP	15.94	342	ePc	12	42.00	0.5
	1.0s	646.00nm			5.7mb	
KNA	18.18	174	eP	13	09.00	-0.3
GUM0	20.99	57	eP	13	37.70	-2.2
	1.0s	200.00nm			5.4mb	
PJG	20.99	57	eP	13	37.80	-2.1
GUA	21.00	57	eP	13	38.80	-1.3
	0.8s	167.16nm			5.4mb	
		e		13	50.70	
QIZ	23.41	316	eP	13	59.00	-4.8X
N	13s	0.40um				
E	14s	0.50um				
PMG	23.42	120	eP	14	05.00	1.1
WB2	23.44	162	iPd	14	03.50	-0.6
	0.5s	71.70nm			5.4mb	
		eS		18	14.90	
KGM	23.50	269	eP	14	05.50	0.8
GZH	24.33	329	iPd	14	13.00	0.3
		S		18	26.00	
IPM	25.84	275	ePd	14	32.90	5.9X
	1.6s	42.20nm			4.7mb	
QIS	26.06	152	iPc	14	28.20	-0.8
	0.5s	45.00nm			5.3mb	
		e		19	04.00	
ASPA	26.85	166	iPc	14	34.90	-1.3
	1.0s	219.90nm			5.7mb	
		eS		19	09.60	
PSI	27.88	271	eP	14	51.00	5.4X
WARB	28.46	180	eP	14	50.50	-0.2
	0.3s	13.00nm			5.0mb	
SSE	28.99	350	Pc	14	56.50	1.1
	1.2s	34.00nm			4.9mb	
Z	20s	0.50um			4.1msz	
		eS		19	44.00	
NST	29.40	298	eP	15	00.00	0.7
CTAO	29.41	140	iPc	14	58.50	-0.8
	1.0s	20.00nm			4.7mb	
		i		15	18.00	
WHN	30.34	338	eP	15	08.00	0.5
NJ2	30.39	347	Pc	15	09.00	1.1
KHT	30.44	295	eP	15	07.80	-0.7
BDT	31.04	300	iPc	15	11.00	-2.7
	0.8s	93.40nm			5.6mb	
CHG	31.78	303	ePd	15	19.00	-1.3
	0.9s	47.48nm			5.3mb	
KMI	32.36	316	Pc	15	25.00	-0.5
	1.5s	100.00nm			5.4mb	
		pP		15	33.50	29kmX
FORR	33.13	178	iPd	15	30.50	-1.3
MRWA	33.15	197	eP	15	31.30	-0.7
QLP	33.40	151	eP	15	33.00	-1.2
TSRJ	34.01	13	P	15	38.60	-0.8

BAL	34.25	196 eP	15 41.30	-0.3
TIA	34.78	346 eP	15 45.20	-0.8
FLB	34.93	194 eP	15 47.00	-0.3
CHJJ	35.29	17 P	15 48.60	-1.7
MTMJ	35.45	15 P	15 51.40	-0.5
MAT	35.52	16 eP	15 51.00	-1.4
	1.0s	40.00nm	5.3mb	
XAN	35.61	334 P	15 52.00	-1.1
CD2	35.74	325 iPd	15 53.40	-0.9
NIIJ	36.40	16 P	15 58.80	-0.9
DL2	36.60	353 iPd	16 03.50	-2.2
	1.0s	100.00nm	5.7mb	
	eS	21 38.00		
STK	36.90	159 iPc	16 03.40	-0.6
	0.2s	3246.60nm	7.9mb X	
	ePP	17 26.50		
	iPcP	18 25.00		
	eS	21 39.20		
TIY	37.51	341 eP	16 08.00	-1.1
	0.18s	30.00nm	5.3mb	
Z	30s	1.20um	4.5MsZx	
N	27s	2.30um		
	S	21 48.00		
YAMJ	37.56	17 eP	16 10.10	0.6
CMS	38.27	153 eP	16 15.00	-0.5
BJI	38.65	347 eP	16 19.00	0.4
	1.0s	47.00nm	5.3mb	
Z	24s	0.57um	4.3MsZx	
	eS	22 11.00		
BRS	38.79	142 iPc	16 14.40	-5.5X
ADE	38.85	164 iPd	16 21.00	0.7
	0.8s	104.48nm	5.8mb	
OBUJ	38.90	19 P	16 21.40	0.8
SNY	39.32	356 Pc	16 24.60	0.5
	0.8s	60.00nm	5.5mb	
Z	26s	0.70um	4.4MsZx	
	S	22 23.00		
LZH	39.66	330 Pc	16 27.50	0.3
	1.5s	99.00nm	5.5mb	
Z	28s	1.18um	4.6MsZx	
E	16s	0.48um		
	pP	16 37.00	32kmX	
	sP	16 43.00		
	PP	18 07.00		
COO	40.61	146 iPd	16 35.60	0.6
HHC	40.64	342 P	16 35.80	0.6
Z	30s	1.90um	4.8MsZx	
	eS	22 41.00		
CN2	41.20	358 eP	16 40.20	0.7
BWA	41.91	153 eP	16 47.20	1.6
BFD	42.04	161 iPd	16 46.00	-0.5
MDJ	42.07	3 eP	16 47.60	1.0
	1.0s	40.00nm	5.2mb	
HOIJ	42.41	18 P	16 51.70	2.3
CAN	42.92	153 eP	16 54.40	0.6
LSA	43.37	312 P	16 58.20	0.2
KUSJ	43.51	19 P	16 59.20	0.8
ASAJ	43.80	16 eP	17 01.60	0.8
GTA	44.25	330 iPc	17 04.60	0.0
	0.8s	20.00nm	5.0mb	
Z	32s	1.60um	4.7MsZx	
N	18s	0.80um		
	PcP	18 49.40		
	ScP	22 37.40		
	S	23 30.40		
	ScS	26 58.40		
DZM	45.72	124 iPc	17 16.90	0.3
GUN	46.57	307 Pc	17 22.60	-0.9
	0.8s	121.00nm	5.9mb	
PKI	46.80	306 Pc	17 23.98	-1.3
	0.8s	43.00nm	5.4mb	
KKN	46.99	307 Pc	17 25.52	-1.2
	0.8s	69.00nm	5.7mb	
DMN	47.06	306 Pc	17 26.20	-1.1
	1.0s	99.00nm	5.7mb	
KOD	49.61	281 eP	17 46.00	-1.3
HYB	49.65	291 ePc	17 46.00	-1.2
	1.2s	933.30nm	6.7mb X	
GBA	50.05	286 Pd	17 48.90	-1.3
	0.8s	11.80nm	5.0mb	
IRK	53.09	343 eP	18 13.00	0.4
	e	18 35.70		
WMO	53.83	326 P	18 18.20	0.0
	0.7s	10.00nm	5.0mb	
NDI	53.91	304 iPd	18 18.00	-1.0
	0.8s	22.39nm	5.2mb	
YAK	59.47	2 iPc	18 57.70	-0.2
	iP	19 24.00	107kmX	
	iPcP	19 40.00		
	e			

PNJ	30.56	23	iP	33	50.50	2.1	CCH	38.38	142	P	34	56.40	0.5	TTA	67.48	333	P	38	27.90	-1.8
TBR	30.74	23	ePc	33	50.50	0.5	MIN	38.80	320	iPc	34	59.72	0.6		1.0s	42.00nm				5.3mb
			PcP	36	45.60					i	35	19.63		SDN	68.22	324	P	38	34.70	0.5
TXNY	30.78	23	iP	33	51.00	0.7				ePcP	37	09.80			0.8s	124.14nm				5.9mb
IKP	30.86	313	eP	33	53.20	1.9				eScP	40	48.80		AKU	70.28	25	iP	38	48.20	1.5
BAR	31.28	312	eP	33	56.30	1.4	WDC	39.52	319	iPc	35	03.90	-1.0		0.9s	30.25nm				5.2mb
TPC	31.62	315	eP	33	59.50	1.6				i	35	16.09		DAG	72.69	13	iPd	39	00.90	0.0
CPE	31.69	312	eP	34	00.00	1.5				ePcP	37	11.70			0.4s	42.37nm				5.7mb
PLM	31.77	313	iPc	33	59.80	0.4				eScP	41	01.50		Z	22s	5.63um				5.8Msz
			PcP	36	50.00		FOX	40.42	318	ePc	35	14.18	1.9	DCN	74.81	38	eP	39	12.00	-1.6
MSU	32.02	325	P	34	03.00	1.4	FHC	40.56	319	ePc	35	15.17	1.7	DMU	75.01	37	eP	39	13.40	-1.4
PEC	32.27	314	ePc	34	03.80	0.3				ePcP	37	17.00		DLF	75.26	38	eP	39	13.00	-3.2X
			PcP	36	50.80					eScP	41	07.50		ERUA	75.58	49	eP	39	20.00	1.7
			ScP	40	34.70		SIV	40.61	135	iPc	35	14.30	0.2	AVE	76.33	59	iP	39	21.50	-1.2
RVR	32.47	314	iP+	34	05.00	-0.3	SES	40.82	339	eP	35	15.00	-0.5			i	39	36.00		
GSC	32.81	316	iP+	34	09.00	0.8				1.0s	111.00nm	5.7mb	EPLA	76.60	52	eP	39	25.50	1.4	
RSSD	33.01	341	ePc	34	09.80	-0.3	NEW	41.58	332	eP	35	20.50	-1.2	EHOR	77.51	54	eP	39	28.50	-0.6
	0.8s	36.06nm			5.3mb				1.0s	27.50nm	5.0mb	EJIF	77.51	55	eP	39	29.50	0.3		
Z	20s	5.65um			5.3Msz				Z	18s	1.04um	4.7Msz	ADK	77.79	321	ePc	39	30.60	0.3	
		iPcP	36	52.60						iPcP	37	17.70		GUD	78.00	51	iPc	39	32.00	0.1
MWC	33.08	314	iP+	34	11.00	0.3				ScP	41	08.70		IFR	78.19	58	iP	39	34.50	1.3
MWC	33.08	314	eP	34	12.40	1.7	FFC	42.35	349	iPc	35	28.50	0.5	MAL	78.32	55	iPd	39	34.00	0.4
SBB	33.16	315	iP+	34	12.00	0.7				0.7s	51.00nm	5.5mb			iS	49	28.00			
DUG	33.57	327	P	34	16.00	1.1	LON	42.82	327	P	35	31.70	-0.2	EBAN	78.61	53	eP	39	34.50	-0.7
	1.1s	23.03nm			5.0mb		PNT	43.48	332	ePc	35	37.00	-0.2	ECOG	78.91	54	eP	39	37.00	0.0
CLC	33.63	316	iP+	34	15.00	-0.4				1.0s	82.00nm	5.5mb	AFC	78.93	54	eP	39	37.00	-0.2	
BW06	33.97	333	eP	34	17.20	-1.2	PGC	44.89	328	eP	35	49.00	0.5	ECRI	78.96	49	eP	39	36.50	-0.5
	1.0s	27.17nm			5.1mb		SCH	45.02	19	iPc	35	49.90	0.4	EGUA	78.98	55	eP	39	38.00	0.8
		iPcP	36	54.80					0.7s	356.00nm	6.3mb	LPF	79.23	43	eP	39	36.80	-1.5		
		eScP	40	39.50			PEL	49.69	159	iPc	36	25.00	-1.2		1.1s	41.50nm				5.3mb
		e(ScS)	44	18.60					0.8s	19.40nm	5.2mb	GRR	79.30	43	eP	39	37.40	-1.3		
ISA	34.14	316	iP+	34	20.00	0.3	TACH	50.06	160	ePc	36	28.00	-1.0		0.8s	34.90nm				5.3mb
SYF	34.59	313	iP+	34	24.00	0.2	MDZ	50.12	157	i(P)	36	30.10	0.6	FLN	79.49	42	eP	39	38.20	-1.5
ARE	34.66	148	iPc	34	25.50	0.9	PCH	50.18	159	iPc	36	29.50	-0.5		0.9s	36.05nm				5.3mb
	2.0s	294.12nm			5.9mb		BAO	50.27	124	ePc	36	30.60	-0.4	Z	20s	4.25um				5.8Msz
		e	46	40.00			PPD	51.49	133	eP	36	38.80	-1.3	EVIA	79.54	53	eP	39	42.00	1.6
TNP	34.72	320	iPc	34	25.00	0.2				e	36	41.60		ETOR	79.55	50	eP	39	40.00	-0.3
	0.8s	88.24nm			5.7mb				e	36	44.40		LDF	79.75	42	eP	39	39.00	-1.3	
		iPcP	36	58.00			YKA	52.16	346	eP	36	42.90	-1.6		0.8s	25.50nm				5.2mb
		ScP	40	45.10					1.1s	82.60nm	5.7mb	MFF	80.04	44	eP	39	41.20	-1.5		
BONR	35.32	319	P	34	31.20	1.1				0.8s	10.75nm	4.8mb		0.8s	10.75nm				4.8mb	
FRI	35.70	317	ePc	34	33.03	0.1	FRB	52.40	12	eP	36	45.00	-1.3	EGRA	80.63	49	eP	39	50.00	4.2X
		iPcP	37	01.70					0.5s	125.00nm	6.2mb	LFF	80.92	46	eP	39	46.60	-0.8		
		eScP	40	47.10			SOB1	53.33	112	eP	36	52.10	-1.8		1.2s	65.45nm				5.4mb
KVN	35.85	321	P	34	35.50	1.0				e	36	53.70		EPF	80.96	48	eP	39	46.90	-0.8
PRI	35.90	315	ePc	34	35.58	0.8				i	36	58.00			0.9s	14.75nm				4.9mb
		ePcP	37	03.20			VAO	55.25	131	eP	37	07.00	-0.9	LSF	81.24	45	eP	39	47.60	-1.4
		eScP	40	49.20					e	37	19.90			0.8s	12.75nm					4.9mb
LLA	36.34	315	ePc	34	38.20	-0.1				e	38	12.00		LPO	81.28	46	eP	39	48.10	-1.2
		ePcP	37	03.40			BMA	57.18	128	eP	37	14.00	-7.7X		1.1s	34.20nm				5.2mb
		eScP	40	50.30					e	37	23.90		RJF	81.40	46	eP	39	48.60	-1.3	
ZOBO	36.34	144	iPc	34	39.20	0.1	RDJ	58.01	128	eP	37	29.20	1.9		1.0s	24.00nm				5.1mb
		S	40	28.00			BALM	60.79	334	iPc	37	45.80	-0.4	Z	20s	2.25um				5.5Msz
		LR	46	02.00			INK	61.68	343	eP	37	51.00	-0.9	TCF	81.70	44	eP	39	50.10	-1.4
PRS	36.48	314	ePc	34	40.21	0.7				0.9s	81.00nm	5.8mb		0.8s	12.10nm				4.9mb	
		ePcP	37	03.70			KLU	62.54	333	P	37	57.40	-0.5	CAF	81.85	46	eP	39	51.10	-1.2
LPB	36.56	144	P	34	41.20	0.4	RUV	63.82	246	iP	38	05.80	-1.0		1.2s	20.85nm				4.9mb
Z	20s	9.57um			5.6Msz				1.2s	130.00nm	5.8mb	MAF	81.95	44	eP	39	51.60	-1.2		
		S	40	30.00			TPT	63.95	246	iP	38	06.80	-0.8		0.8s	17.45nm				5.0mb
		LR	46	04.00					1.2s	90.00nm	5.6mb	BGF	82.08	44	eP	39	51.90	-1.5		
CMB	36.72	318	ePc	34	42.46	0.9	PMR	64.00	333	P	38	06.50	-0.8		1.0s	40.00nm				5.3mb
		ePcP	37	03.70					1.0s	34.75nm	5.2mb	LKO	82.08	82	P	39	53.26	-0.7		
		eScP	40	51.40			Z	20s	3.50um	5.5Msz			0.8s	76.00nm					5.7mb	
SAO	36.76	315	eP	34	42.00	0.2	VAH	64.06	246	iP	38	07.40	-0.9	AVF	82.38	44	eP	39	53.30	-1.6
		ePcP	37	05.30					1.2s	135.00nm	5.8mb		0.9s	13.10nm					4.9mb	
MHC	37.19	316	ePc	34	47.80	2.2	SLKM	64.12	331	eP	38	07.40	-0.8	SSF	82.43	44	eP	39	53.60	-1.6
		ePcP	37	08.30					PcP	38	42.70			0.8s	14.80nm					5.0mb
GCC	37.27	315	eP	34	46.70	0.6	PMO	64.20	246	iP	38	08.40	-0.9	DOU	82.52	40	P	39	55.60	0.0
LRM	37.65	334	ePc	34	49.90	0.4				1.2s	55.00nm	5.4mb		0.7s	13.30nm				5.0mb	
		e	37	08.00			FBA	64.71	336	iPc	38	10.30	-1.6			S	50	14.00		
BKS	37.87	316	eP	34	52.00	0.8				e	38	26.70		LOR	82.62	43	eP	39	55.00	-1.2
	1.0s	296.00nm			6.2mb				PcP	38	44.30			1.0s	49.00nm					5.4mb
Z	20s	8.00um			5.5Msz		MBC	64.80	352	iPc	38	11.30	-1.0	Z	20s	4.00um				5.8Msz
		e	34	56.40					0.9s	160.00nm	5.9mb	SMF	82.74	44	eP	39	55.30	-1.5		
		eS	40	10.00			PDB	65.00	330	P	38	17.70	-1.2		0.8s	16.10nm				5.0mb
		eLQ	46	16.00			TVO	66.49	244	iP	38	22.90	-1.2	LBF	82.76	44	eP	39	55.40	-1.6
		eLR	48	12.00					1.2s	90.00nm	5.6mb		0.8s	7.40nm					4.7mb	
		e	59	18.00			PPN	66.55	244	iP	38	23.20	-1.2	ENN	83.21	40	eP	39	58.50	-0.6
BRK	37.88	316	eP	34	52.60	1.3				1.2s	55.00nm	5.4mb		0.8s	31.00nm				5.3mb	
Z	20s	9.00um			5.6Msz		PPT	66.69	244	iP	38	24.20	-1.1	TIC	83.25	85	P	39	59.66	-0.4
		iPcP	37	09.00					1.2s	55.00nm	5.4mb		0.9s	58.50nm					5.5mb	

21d 06h

KIC	1.0s	52.00nm	5.5mb	FRS	118.07	117	iPKPd	46	20.70	0.5	KHT	0.9s	28.20nm				
	83.59	85 P	40 01.50	-0.2		0.6s	113.33nm					150.84	344	iPKPd	47 22.60	2.5X	
	0.8s	76.00nm	5.8mb	PRY	119.96	113	iPKPc	46	24.50	0.4	MRWA	151.51	232	ePKP	47 21.00	0.2	
VITF	83.82	42 P	40 01.39	-0.9		1.0s	25.00nm				NNT	152.57	340	ePKP	47 22.00	-0.7	
HAU	84.11	42 eP	40 02.80	-1.0	SEK	120.09	115	iPKPd	46	25.30	1.0	KOD	153.25	29	iPKPc	47 32.50	8.4X
	0.8s	22.85nm	5.2mb			0.7s	23.97nm					0.8s	146.27nm				
Z	20s	3.50um	5.7MsZ	BUL	120.75	106	iPKPd	46	26.90	1.2	KGM	160.02	319	ePKPc	47 34.20	2.0	
BSF	84.44	42 eP	40 04.30	-1.2		0.7s	15.41nm						e	47 39.30			
	1.0s	24.00nm	5.2mb	KRI	121.43	102	iPKPc	46	27.80	0.7			e	47 54.90			
LOMF	84.57	43 P	40 05.40	-0.8			iPKP	46	46.70		PSI	161.90	331	ePKP	47 42.00	8.0X	
ECH	84.58	42 P	40 05.37	-0.8			iPKP	46	40.00			S.D. = 1.1	on 249 of 302 obs.				
CDP	84.61	42 P	40 05.25	-1.1	HHC	122.57	341	PKP	46	30.10	1.5						
MOF	84.66	42 P	40 05.50	-1.1	Z	24s	1.90um			5.7MsZ							
WLS	84.66	42 P	40 05.63	-1.0	MAIO	122.61	29	ePKP	46	30.00	1.2		JUN 21, 1991	06h 45m 36.62± 0.15s			
GW	84.70	41 P	40 06.07	-0.6	MAW	122.92	168	ePKP	46	29.00	0.8		6.001 S ± 3.6km	104.872 E ± 3.3km			
RSL	84.83	44 P	40 07.05	-0.6		0.9s	14.00nm						DEPTH = 53.3km	(8 depth phases)			
LPL	84.95	45 eP	40 07.90	-0.4	WMO	123.01	2	PKP	46	30.00	0.7		5.6mb (48 obs.)				
	1.0s	12.00nm	4.9mb	CAN	123.16	237	ePKP	46	29.80	0.0		SUNDA STRAIT		(276)			
LPG	84.97	45 eP	40 08.20	-0.3	BTO	123.27	342	ePKP	46	30.50	0.6		CENTROID, MOMENT TENSOR	(HRV)			
	1.1s	22.00nm	5.1mb	MTD	123.30	101	iPKPc	46	31.50	0.9		Data Used: GDSN					
FEL	85.22	42 P	40 06.67	-2.8X			iPKP	46	43.50			L.P.B.: 20S, 44C					
LMR	85.32	47 eP	40 09.10	-0.8			iPP	47	50.00			Centroid Location:					
	1.0s	16.00nm	5.0mb	BWA	123.74	237	ePKP	46	30.90	-0.1		Origin Time	06:45:40.1 0.7				
FRF	85.36	46 eP	40 09.30	-0.8	TIA	124.57	334	PKPd	46	33.50	1.0		Lat 6.80S 0.06E	Lon 104.31E	0.13		
	1.0s	32.00nm	5.3mb	TIY	125.10	339	PKPd	46	33.00	-0.5		Dep 38.7 6.2	Half-duration 1.9				
COP	85.72	34 iPd	40 12.40	0.8	Z	23s	1.30um			5.5MsZ			Moment Tensor:	Scale 10**17 Nm			
SBF	85.84	46 eP	40 11.60	-1.0	N	25s	3.50um						Mrr= 1.35 0.25	Mtt=-1.56 0.17			
	1.2s	68.75nm	5.6mb	CMS	126.24	241	iPKPd	46	37.00	1.1			Mff= 0.22 0.39	Mrt= 0.12 0.33			
KEV	86.33	18 iP	40 14.70	0.3	CTAO	126.28	255	iPKP	46	37.00	0.7		Mrf=-0.05 0.20	Mtf=-0.15 0.19			
	0.8s	24.90nm	5.3mb			1.0s	25.00nm						Principal Axes:				
MOX	86.74	39 eP	40 17.00	0.2	GTA	126.73	351	iPKPc	46	37.80	1.0		T Val= 1.35	Pig=86	Azm= 51		
	1.3s	44.00nm	5.4mb		Z	16s	0.30um			5.1MsZ			N	0.23	3	265	
Z	18s	2.20um	5.6MsZ	SSE	126.78	327	PKPc	46	38.00	1.1			P	-1.58	2	175	
N	16s	0.20um			Z	20s	0.50um			5.2MsZ							
E	18s	1.10um		E	15s	0.40um											
	S	50 42.00		NJ2	127.21	329	PKPd	46	38.50	0.8	TRT	7.89	103	ePd	47 30.20	-1.2	
UPP	86.95	29 iP	40 17.30	-0.2	OLP	128.06	247	ePKP	46	41.00	1.5			eS	49 39.50		
PGF	87.28	47 eP	40 18.30	-1.4	LZH	129.16	346	PKPc	46	42.50	1.0	BKB2	12.89	69	iPd	48 58.50	19.2X
	0.8s	24.20nm	5.4mb	XAN	129.63	340	PKPc	46	42.70	0.4	MKS	14.55	88	iPd	49 06.00	4.9X	
CLL	87.38	38 iP	40 19.40	-0.4	STK	129.77	240	iPKPc	46	43.20	0.6	KKM	16.47	44	ePc	49 30.80	5.0X
	1.1s	57.00nm	5.6mb			0.8s	15.00nm					0.9s	106.90nm	5.0mb			
Z	19s	1.00um	5.2MsZ			e	50 09.90				NNT	19.16	345	eP	49 56.00	-2.8	
	e	40 55.00		NPA	130.50	98	ePKP	46	37.80	-6.6X	KHT	21.57	343	iPc	50 23.00	-0.7	
SOD	87.38	20 iP	40 19.20	-0.3	WHN	130.60	333	PKPc	46	44.00	-0.1	AAI	23.35	85	ePd	50 41.50	0.3
WTTA	87.75	42 i(P)	40 18.90	-3.0X	Z	20s	0.60um			5.3MsZ		CGP	24.43	54	eP	50 40.00	-11.7X
BRG	88.08	38 iP	40 23.10	-0.1	E	12s	0.60um						1.0s	85.00nm			
	1.1s	41.00nm	5.5mb	CD2	134.11	344	ePKP	46	52.00	1.1	MAP-	25.00	50	iPd	51 01.00	3.8X	
	i	40 35.30		Z	28s	1.10um				5.4MsZ			0.8s	93.00nm	5.4mb		
KHC	88.41	40 iPc	40 24.50	-0.4	E	17s	1.50um					PGP	25.11	39	iPc	51 01.00	2.9X
	1.1s	18.00nm	5.1mb	LSA	137.15	359	PKP	46	52.00	-5.3X	CHTO	25.34	347	iP	50 59.00	-1.3	
Z	20s	2.70um	5.7MsZ	GZH	137.34	328	PKPc	47	00.00	2.9X		1.0s	40.00nm	4.9mb			
N	20s	0.30um		WB2	137.47	255	ePKP	46	46.30	-11.2X	QIZ	25.35	11	eP	51 01.40	1.0	
E	20s	2.20um			0.9s	4.90nm					N	17s	3.30um				
	e	40 51.50				i	46 58.80						eS	55 24.00			
PRU	88.73	39 P	40 27.00	0.7	WRA	137.48	255	PKP	46	46.00	-11.6X	KNA	25.36	114	iPd	51 01.40	0.9
	1.1s	13.80nm	5.1mb	GKN	138.47	8	PKP	46	52.40	-7.0X	WARB	28.89	136	eP	51 30.50	-2.2	
Z	19s	2.30um	5.6MsZ	GUN	138.71	6	PKP	46	52.80	-7.3X	KMI	31.01	356	eP	51 52.50	0.8	
N	19s	0.40um		KKN	138.76	7	PKP	46	53.30	-6.7X		1.0s	130.00nm	5.6mb			
E	19s	2.10um		DMN	138.92	7	PKP	46	54.80	-5.5X	KOD	31.70	300	iPc	51 59.30	1.3	
TRI	89.63	43 eP	40 30.00	-0.6	PKI	138.99	7	PKP	46	54.80	-5.8X		0.8s	114.93nm	5.7mb		
	e	51 40.00		CGP	139.60	301	ePKP	46	44.50	-17.0X	WRA	31.81	119	P	52 06.70	8.1X	
	e	03 56.00			1.0s	81.00nm					WB2	31.82	119	iPd	51 57.70	-1.0	
NUR	89.87	27 iP	40 31.20	-0.3	KMI	139.86	342	ePKP	46	57.00	-5.0X		0.9s	110.20nm	5.7mb		
	0.8s	19.10nm	5.4mb	QIZ	142.50	329	ePKP	47	03.00	-3.6X	GYA	32.31	3	P	52 03.40	0.4	
ZST	90.93	40 iP	40 38.40	1.8	N	14s	0.80um				ASPA	32.99	125	iPc	52 08.00	-0.8	
	e	44 40.20		WARB	143.72	244	iPKPd	47	06.00	-2.5		1.0s	69.80nm	5.4mb			
PTJ	91.01	42 eP	40 36.30	-0.8	POO	144.33	28	iPKPd	47	07.80	-1.9		i	54 50.50			
SPC	92.47	38 eP	40 26.00	-17.9X		0.8s	31.34nm				GBA	33.49	306	Pd	52 13.40	0.2	
	e	40 44.60		COOL	146.77	233	iPKPc	47	14.50	1.0		0.7s	43.60nm	5.4mb			
OBN	98.17	28 eP	41 09.00	-0.5		0.9s	100.00nm				SHL	33.82	339	iP	52 14.00	-2.2	
	1.0s	*****nm	8.8mb X	HYB	147.23	21	ePKPd	47	15.10	0.5			eS	54 54.50			
Z	20s	1.50um	5.5MsZ			0.8s	192.90nm				HYB	34.89	312	iPc	52 25.00	-0.3	
N	16s	0.40um		TSM	147.41	301											

	0.6s	94.00nm		5.9mb			1.0s	100.00nm		5.7mb	PPCY	79.26	307	eP	57	35.00	-3.1X
GUN	38.38	332 P	52	53.92	-1.1		Z	15s	0.60um	4.7MsZx	KAS	79.98	314	iPc	57	41.70	-0.2
	0.6s	362.00nm		6.4mb					PcP	55 32.50	BCK	81.29	309	iP	57	48.60	-0.3
DMN	38.49	331 P	52	54.42	-1.4	TKSJ	48.41	33 P	54 16.30	0.8	ELL	81.64	308	iP	57	50.60	-0.3
	0.9s	168.00nm		5.9mb		YONJ	49.02	31 eP	54 20.30	0.1	OBN	82.72	327	iPc	57	56.00	0.1
KKN	38.56	332 P	52	54.88	-1.4	BWA	49.13	131 eP	54 22.60	1.5		N	18s	0.50um			
	0.7s	258.00nm		6.2mb		WKYJ	49.43	34 eP	54 24.10	0.7		E	19s	0.50um			
GKN	39.04	331 P	52	59.06	-1.2	CAN	49.94	132 eP	54 27.30	-0.1				i	58	13.00	61km
POO	39.12	309 iPc	53	02.00	1.1	BRS	50.18	121 iPd	54 29.40	0.1				i	58	21.00	
XAN	40.01	5 Pc	53	08.00	0.0			i (pP)	54 37.00	25kmX				i	58	26.00	
	1.0s	100.00nm		5.6mb				eS	57 57.00					e	58	32.00	
		S	59	10.00		COO	50.41	125 iPc	54 32.30	1.3				eS	08	07.00	
SSE	40.05	22 Pc	53	10.50	2.2		1.0s	100.00nm	5.8mb					e	08	34.00	
	Z	20s				SNY	50.57	18 Pc	54 30.40	-1.5				ePS	08	55.00	
	N	16s		1.10um			1.4s	100.00nm	5.7mb		HRT	82.81	312	iP	57	56.80	0.1
NJ2	40.12	19 Pc	53	10.50	1.6	QUE	51.14	317 iPc	54 36.10	-0.6	ARG	82.92	308	eP	57	57.60	0.3
	Z	18s		0.80um		WMQ	51.96	344 P	54 42.10	-0.5	ISK	83.32	312	eP	57	59.00	-0.3
		PcP	55	13.00			0.7s	200.00nm	6.3mb		CTT	83.80	312	iP	58	01.70	0.0
LZH	41.87	359 Pc	53	23.00	-0.5		Z	20s	2.50um	5.2MsZ	BNT	83.99	312	iP	58	03.20	0.5
	N	20s		2.01um			N	20s	2.80um		SPA	84.04	180	eP	58	04.00	1.3
	E	22s		2.39um		MTMJ	52.39	34 eP	54 44.90	-1.0		Z	20s	10.50nm	4.8mb		
		pP	53	33.50	36kmX	TAU	52.44	141 iPc	54 46.10	0.0			4.19um	5.8MsZ			
		sP	53	41.50		KSH	52.52	332 P	54 46.00	-0.9	PSN	84.57	315	ePc	58	05.00	-0.5
PMG	42.02	97 iPc	53	24.00	-0.8			S	02 10.00		NPS	84.72	306	iPc	58	07.50	1.0
	1.3s	576.92nm		6.2mb				sS	02 29.00		PRK	85.00	310	iPc	58	08.20	0.5
ADE	42.46	137 eP	53	28.00	-0.2	MAT	52.58	34 iPc	54 46.10	-1.1	JMB	85.44	313	iPc	58	10.00	0.1
	1.0s	116.00nm		5.6mb			0.6s	40.00nm	5.6mb		RDO	85.93	312	iPc	58	12.70	0.4
CTAO	42.53	113 iPc	53	29.50	0.5			eS	02 47.00		ISR	86.04	316	ePc	58	15.00	2.1
		i	53	34.50	17kmX	CN2	52.94	19 iPc	54 49.30	-0.5	VR1	86.08	317 eP	58	13.00	0.0	
		i	53	45.00			1.0s	100.00nm	5.8mb		DIM	86.12	313 eP	58	14.00	0.8	
		i	55	17.00			Z	18s	1.80um	5.2MsZ	KDZ	86.12	312 iPc	58	13.00	-0.3	
		i	55	47.00			N	18s	0.70um		PVL	86.49	314 iPc	58	16.00	0.9	
OLP	42.71	123 iPc	53	31.20	0.9		E	18s	0.20um		PTT	86.54	318 eP	58	06.50	-8.7X	
	0.9s	417.00nm		6.2mb				ePp	55 02.00	45km	PLD	86.73	313 eP	58	15.00	-1.3	
STK	42.88	132 iPc	53	31.30	-0.3			PcP	55 57.60		VLI	87.12	307 eP	58	18.00	-0.3	
	0.9s	91.80nm		5.5mb				S	02 14.00		PGB	87.21	313 iPc	58	18.00	-0.6	
		e	53	49.70	75kmX			ScS	04 31.00		MMB	87.35	312 iPc	58	19.00	-0.3	
		iPP	55	21.10		SVO	54.51	97 eP	55 07.00	5.2X	KKB	87.88	312 iPd	58	21.00	-0.8	
		eS	59	51.20		HNR	54.64	97 eP	55 02.00	-0.7	VTs	87.91	313 iPc	58	22.00	-0.1	
		e	02	44.90		YAMJ	54.77	34 P	55 03.00	-0.3	SKO	89.10	312 iPc	58	27.20	-0.5	
STK	42.88	132 iPc	53	31.30	-0.3	MDJ	55.07	21 Pc	55 05.60	0.2			i	58	38.70	37kmX	
	0.9s	91.80nm		5.5mb			0.9s	40.00nm	5.4mb				iPcP	59	30.80		
		e	53	49.70	75kmX	OFUJ	56.31	34 P	55 13.50	-0.9			iS	06	26.00		
		iPP	55	21.10		AOMJ	56.66	32 eP	55 18.30	1.5	OHR	89.45	311 iP	58	29.10	-0.3	
		eS	59	51.20		IRK	58.05	360 eP+	55 25.00	-1.4		1.0s	141.00nm	6.2mb			
		e	02	44.90				e	56 17.10	231kmX			i	58	42.50	45km	
TIA	43.53	14 P	53	36.90	0.1			e	56 39.80				i	58	49.10		
TIY	44.05	9 Pd	53	41.30	0.2	MRRJ	58.37	31 eP	55 28.30	-0.5	KEK	90.01	310 iPc	58	32.20	0.2	
	1.0s	30.00nm		5.0mb		HO0J	59.49	32 P	55 37.00	0.4	NUR	90.38	331 eP	58	33.00	-0.1	
	Z	21s		2.00um	5.0MsZ	MAIO	59.79	318 iPc	55 37.50	-1.4		0.8s	24.90nm	5.6mb			
	N	22s		2.40um			0.7s	24.46nm	5.4mb		SPC	90.99	319 eP	58	37.00	0.5	
		PP	55	29.50				eS	05 55.00				e	58	54.40	61km	
GUMO	44.22	64 eP	53	41.40	-1.3	ASAJ	60.38	30 P	55 42.30	-0.3			e	02	12.80		
	0.6s	215.49nm		6.1mb		KUSJ	60.74	33 P	55 44.80	-0.3	SOD	90.99	338 iP	58	36.00	0.1	
PJG	44.22	64 eP	53	41.40	-1.3	DZM	61.45	112 iPc	55 49.90	-0.5	KEV	91.41	340 eP	58	37.00	-0.8	
GUA	44.24	64 eP	53	41.50	-1.3	DHR	61.98	304 iPc	55 55.40	1.5	SRO	92.09	318 eP	58	40.90	-0.4	
	0.6s	245.33nm		6.1mb		RYD	64.37	301 iPc	56 09.50	-0.2	ZST	92.94	318 eP	58	46.30	1.1	
KAGJ	44.56	32 P	53	45.30	0.1	NPA	64.95	256 eP	56 01.50	-12.0X	PTJ	93.51	316 eP	58	47.50	-0.5	
GTA	45.42	354 iPc	53	52.40	0.3	IR4	65.21	313 iPc	56 16.50	1.4	KSP	93.71	321 eP	58	49.00	0.3	
	0.6s	80.00nm		5.8mb		IR5	65.43	313 P	56 17.00	0.5	UPP	93.76	330 iP	58	48.60	-0.1	
	Z	27s		1.40um	4.8MsZx	IR1	65.45	313 iPc	56 16.70	0.1	VBY	93.96	315 e(P)c	58	50.50	0.5	
	N	20s		1.60um		IR7	65.64	314 iPc	56 18.00	0.2	PRU	94.76	320 P	58	54.00	0.4	
		PcP	55	31.40		ABHA	65.82	293 iPc	56 21.30	2.0		1.0s	7.20nm	5.1mb			
		ScP	59	18.00		BISH	66.43	295 iPc	56 25.30	2.3			e	59	09.50	53km	
		sS	00	53.00		MAW	67.72	196 eP	56 29.00	-1.3			e	02	30.50		
KUMJ	45.59	31 P	53	54.10	0.8		0.8s	8.00nm	4.8mb		PRU	94.76	320 P	58	54.00	0.4	
CMS	45.92	129 iPc	53	56.10	0.1	TAB	69.76	314 iPc	56 43.40	-0.2		1.0s	7.20nm	5.1mb			
	0.9s	58.00nm		5.5mb		MTD	72.32	254 iPd	56 57.20	-2.1			e	59	09.50	53km	
BFD	46.27	138 iPd	53	58.70	0.0			i	57 12.00	53km			e	02	30.50		
	0.9s	132.00nm		5.9mb		KRI	74.20	254 iPd	57 08.40	-1.9	BRG	95.19	320 iP	58	56.00	0.4	
		i	54	08.60	33kmX			i	57 37.00			0.8s	14.00nm	5.5mb			
BTO	46.61	5 P	54	03.00	1.6			i	57 24.00	56km	ANM	95.27	26 P	58	57.00	1.4	
	N	16s		0.60um		SLR	75.35	245 eP	57 12.50	-4.3X	KHC	95.34	319 P	58	56.50	0.2	
	E	14s		0.30um		HQL	75.57	302 iPc	57 18.60	0.8	KHC	95.34	319 P	58	56.50	0.2	
		ePp	54	14.50	41kmX	MBH	75.84	303 iPc	57 19.60	0.1	CLL	95.81	321 eP	58	58.00	-0.4	
BJI	46.98	12 eP	54	04.00	-0.2	DSI	75.92	304 iPc	57 20.10	0.4	MOX	96.66	320 e(P)	59	03.00	0.7	
	0.8s	42.00nm		5.4mb		SEK	75.96	242 iPc	57 19.60	-0.7	MOX	96.66	320 e(P)	59	03.00	0.7	
	Z	22s		0.92um	4.7MsZ		0.7s	6.85nm	4.7mb		NAO	97.17	330 P	59	03.20	-1.1	
		ePcP	55	36.00				eP	57 22.00	0.2		0.9s	4.80nm	5.0mb			
		eScP	59	23.00		RMN	76.25	303 eP	57 22.00	-0.3	SLKM	102.52	29 Pdiff	59	28.00	-0.4	
SHNJ	46.99	30 eP	54	04.80	0.4	BHL	76.36	307 P	57 22.00	-0.3	FBA	102.73	25 Pdiff	59	30.00	0.8	
SHNJ	46.99	30 P	54	05.30	0.9	FRS	77.99	241 eP	57 29.20	-2.1	MBC	105.75	10 ePdiff	59	45.00	2.6X	
HHC	47.02	7 eP	54	05.60	0.9		1.0s	10.00nm	4.8mb			0.6s	3.00nm	5.5mb			
	1.2s	60.00nm		5.4mb		KVT	78.25	314 eP	57 33.00	0.4	INK	106.87	19 ePdiff	59	47.00	-0.5	
	N	17s		0.62um		SBA	78.42	169 P	57 33.10	0.3	INK	106.87	19 ePKP	03	56.00	-1.3	
	E	12s		0.36um		CSS	78.50	307 e(P)	57 34.00	0.0	YKA	116.64	19 ePdiff	00	35.00	3.9X	
DL2	47.30	18 eP	54	07.50	0.7	HLW	78.84	302 ePc	57 36.00	0.0		0.6s	0.30nm				

21d 07h

YKA	116.64	19	ePKP	04	15.10	-1.0
	1.0s		4.00nm			
PNT	122.88	33	ePKP	04	29.00	0.6
	0.8s		16.00nm			
FHC	124.36	44	ePKPc	04	32.70	1.1
NEW	124.83	33	PKP	04	21.30	-11.0X
WDC	125.45	43	ePKPc	04	33.70	0.0
			ePP	06	11.90	
MIN	126.19	43	ePKPc	04	35.10	-0.3
SES	126.54	28	ePKP	04	34.00	-1.6
ORV	126.61	44	ePKPc	04	36.00	0.0
MHC	127.46	47	ePKP	04	38.20	0.3
CMB	128.07	45	ePKPc	04	39.00	0.1
			ePP	06	27.10	
PRS	128.08	48	ePKP	04	39.90	1.0
PRI	128.67	48	ePKP	04	41.10	0.9
LRM	128.85	33	ePKP	04	40.60	0.2
FRI	129.01	46	ePKPc	04	41.00	0.4
TNP	130.26	44	e(PKP)	04	30.70	-12.6X
			i	08	02.00	
ISA	130.49	47	ePKP	04	45.00	1.4
CLC	131.06	47	ePKP	04	46.00	1.4
PAS	131.37	49	ePKP	04	46.00	0.8
SBB	131.39	48	ePKP	04	47.00	1.7
GSC	131.86	47	ePKP	04	47.00	0.8
PEC	132.23	49	PKP	04	39.00	-7.9X
BW06	132.40	34	e(PKP)	04	37.00	-10.2X
			i	08	08.60	
TPC	132.96	48	ePKP	04	50.00	1.7
BAR	133.13	50	ePKP	04	49.00	0.4
GLA	134.35	49	ePKP	04	54.00	3.0X
RSSD	134.36	29	ePKP	04	39.50	-11.4X
			i	08	14.90	
GOL	136.80	35	e(PKP)	04	45.50	-10.2X
			i	08	23.50	
ANMO	139.21	41	e(PKP)	04	48.50	-11.7X
			i	08	30.80	
ALO	139.21	41	ePKP	04	48.50	-11.7X
			i	08	31.00	
VAO	140.14	223	ePKP	05	02.70	0.6
SOB1	142.69	246	ePKP	05	02.10	-4.6X
			e	05	18.50	
MEO	144.09	34	iPKPc	05	06.20	-2.4X
TUL	144.70	30	ePKP	05	07.50	-2.0
	0.8s		244.60nm			
TXNY	144.96	359	iPKP	05	09.20	-0.6
TBR	145.00	359	iPKPc	05	08.50	-1.4
FVM	145.26	21	PKP	05	10.00	-0.4
GMTN	145.26	359	iPKP	05	10.20	-0.1
BAO	145.58	231	ePKPc	05	11.70	0.0
CBN	147.88	3	ePKP	05	15.00	0.4
			e	05	36.00	
BLA	148.56	8	PKP	05	15.50	-0.4
MRX	151.23	59	iPKP	05	28.20	7.9X
JSC	151.29	11	ePKPc	05	19.80	-0.2
			i	05	25.70	
PPM	153.69	58	ePKP	05	24.50	0.0
SIV	154.10	212	PKP	05	24.80	0.3
CCH	155.13	201	PKP	05	28.00	1.8
LPB	156.56	197	PKP	05	29.00	0.7
ZOBO	156.81	197	iPKPc	05	28.00	-0.8
	1.1s		20.88nm			
UPA	174.72	56	ePKPc	05	41.60	-0.5
			S.D. = 0.9		on 190 of 216 obs.	
* JUN 21, 1991 07h 57m 43.50±0.87s						
42.459 N ± 6.8km 18.536 E ± 6.7km						
DEPTH = 10.0km (geophysicist)						
YUGOSLAVIA (383)						
ML 1.1 (ITG).						
HCY	0.03	248	iPg	57	45.61	0.1
			iSg	57	47.21	
BDV	0.28	129	iPg	57	49.11	-0.2
			iSg	57	53.49	
BRY	0.44	1	iPg	57	52.36	-0.2
			iSg	57	59.39	
NKY	0.49	44	iPg	57	53.59	0.1
			iSg	58	00.43	
TTG	0.54	93	iPg	57	54.56	0.2
			iSg	58	02.01	
			S.D. = 0.3		on 5 of 5 obs.	
* JUN 21, 1991 08h 10m 36.33±1.42s						
10.765 N ± 7.2km 125.827 E ± 13.3km						
DEPTH = 85.7 ± 12.8 km						
4.3mb (5 obs.)						

LEYTE, PHILIPPINE ISLANDS (256)						
MAP	1.87	257	iPd	11	07.00	-0.1
			iS	11	31.00	
CGP	2.55	206	iPd	11	15.50	-1.0
			iS	11	53.00	
PGP	5.49	300	ePc	11	57.00	-0.3
CVP	7.92	331	eP	12	32.50	1.8
SSE	20.68	349	Pc	15	12.00	0.5
	1.5s		30.00nm			4.4mb
Z	20s		0.50um			3.9msz
			i	15	17.50	
WB2	31.65	165	eP	16	51.90	-1.7
	0.6s		4.90nm			4.4mb
ASPA	35.12	167	eP	17	23.20	-0.4
	1.0s		291.20nm			6.2mb X
WARB	36.73	179	eP	17	38.00	0.9
MRWA	40.86	193	eP	18	11.30	-0.1
GUN	41.14	300	P	18	14.00	-0.2
FORR	41.43	177	eP	18	16.50	0.5
PKI	41.45	300	P	18	16.00	-0.7
KKN	41.62	300	P	18	17.00	-1.0
GKN	42.22	300	P	18	21.00	-1.9
KLB	42.82	190	eP	18	28.00	0.6
NWAO	44.21	190	eP	18	39.80	1.1
STK	45.01	161	eP	18	45.50	0.4
	0.5s		2.90nm			4.4mb
			e	20	40.40	
GBA	47.33	279	P	19	06.00	2.4
	0.5s		1.50nm			4.1mb
BWA	49.79	155	eP	19	24.00	1.6
CAN	50.81	155	eP	19	33.20	3.1X
DZM	51.50	129	iPc	19	34.90	-0.7
INK	83.99	22	eP	22	57.00	-1.0
MBC	85.33	13	eP	23	04.50	-0.1
YKA	93.48	24	eP	23	43.00	-0.4
	1.0s		1.10nm			4.2mb
			S.D. = 1.2		on 23 of 24 obs.	
JUN 21, 1991 08h 35m 22.51±0.74s						
40.659 N ± 11.6km 29.097 E ± 5.3km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
MD 2.8 (ISK).						
GBZT	0.29	64	ePg	35	31.20	2.5X
			iSg	35	36.00	
HRT	0.46	69	ePg	35	31.30	-0.6
			iSg	35	38.30	
CTT	0.70	314	iPg	35	36.70	0.3
			iSg	35	44.80	
BNT	0.95	252	iPg	35	40.20	-0.4
			iSg	35	53.60	
EDC	0.99	252	ePg	35	40.50	-0.8
GPA	1.00	111	iPn	35	42.00	0.6
KGT	1.38	262	ePn	35	48.70	0.9
			S.D. = 0.9		on 6 of 7 obs.	
* JUN 21, 1991 08h 55m 11.90±1.13s						
16.874 N ± 7.1km 27.628 E ± 14.2km						
DEPTH = 33.0km (normal)						
LEEWARD ISLANDS (92)						
ML 3.3 (FDF).						
BPA	0.30	305	iP	04	14.31	0.3
			eS	04	19.53	
MGH	0.61	256	iPd	04	18.17	-0.2
			S	04	25.90	
CPB	0.79	344	iP	04	20.71	-0.2
			eS	04	30.13	
PAG	0.84	185	eP	04	21.84	0.1
			S	04	33.00	
NEV	0.97	286	eP	04	23.45	0.0

BBL	1.35	175	iPc	eS	04	36.11	
			S		04	28.78	-0.1
						04	45.60
	S.D. = 0.3			on		6 of 6 obs.	
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* JUN 21, 1991 09h 48m 48.27± 0.63s							
39.105 N ±10.0km 75.466 E ± 9.9km							
DEPTH = 33.0km (normal)							
4.2mb (3 obs.)							
SOUTHERN XINJIANG, CHINA (321)							
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QUE	11.32	221	eP		51	30.70	-0.2
			e		53	40.00	
MAIO	12.96	263	eP		51	53.00	0.2
GKN	13.45	143	P		52	00.00	0.7
NAO	44.69	321	P		56	55.60	-3.9X
	0.8s		2.80nm				4.2mb
MBC	64.54	4	eP		59	23.50	-0.1
	1.0s		7.00nm				4.7mb
INK	70.73	11	eP		00	03.00	0.6
MTN	73.19	123	eP		00	16.80	-1.0
YKA	78.42	5	eP		00	46.60	-0.1
	0.9s		1.60nm				4.0mb
	S.D. = 0.7			on		7 of 8 obs.	
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* JUN 21, 1991 11h 54m 18.06± 1.70s							
22.264 S ±15.5km 69.247 W ±15.7km							
DEPTH = 33.0km (normal)							
3.7mb (1 obs.)							
NORTHERN CHILE (123)							
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CNCB	5.56	13	P		55	41.00	-0.1
CCH	5.67	32	P		55	43.00	0.5
LPB	5.80	11	P		55	45.00	0.5
ZOBO	6.06	10	P		55	47.70	-0.6
ARE	6.15	339	eP		55	49.00	-0.3
			iS		56	48.00	
PPD	16.62	93	eP		58	17.90	7.7X
SOB1	30.15	69	(P)		00	27.00	-0.5
YKA	91.80	341	eP		07	23.80	0.5
	0.6s		0.20nm				3.7mb
	S.D. = 0.6			on		7 of 8 obs.	
<hr/>							
% JUN 21, 1991 11h 54m 39.29± 0.76s							
39.268 N ± 8.1km 29.153 E ± 9.1km							
DEPTH = 10.0km (geophysicist)							
TURKEY (366)							
- MD 2.8 (ISK).							
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ALT	0.77	106	iPg		54	54.00	-0.5
			eSg		55	06.50	
KHL	0.99	163	iPn		54	58.40	0.3
GPA	1.35	41	iPn		55	04.40	0.2
BNT	1.44	319	ePn		55	05.00	-0.5
EDC	1.47	318	ePn		55	05.50	-0.2
CTT	1.96	344	ePn		55	13.50	0.6
	S.D. = 0.6			on		6 of 6 obs.	
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JUN 21, 1991 12h 14m 16.66± 0.20s							
1.277 N ± 3.6km 122.819 E ± 5.0km							
DEPTH = 26.9km (10 depth phases)							
5.2mb (28 obs.) 4.6msz (9 obs.)							
MINAHASSA PENINSULA (265)							
CENTROID, MOMENT TENSOR (HRV)							
Data Used: GDSN							
L.P.B.: 21S, 45C							
Centroid Location:							
Origin Time 12:14:18.6 0.4							
Lat 1.56N 0.04 Lon 122.74E 0.04							
Dep 15.0 FIX Half-duration 1.8							
Moment Tensor: Scale 10**17 Nm							
Mrr= 0.60 0.06 Mtt=-1.45 0.05							
Mff= 0.85 0.08 Mrt= 0.21 0.23							
Mrf= 0.90 0.15 Mtf= 0.55 0.05							
Principal Axes:							
T Val= 1.73 Plg=39 Azm=283							
N -0.15 51 103							
P -1.57 0 193							
Best Double Couple:Mo=1.6*10**17							
NP1:Strike=321 Dip=63 Slip= 150							
NP2: 65 64 30							
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TSM	5.57	302	iPd		15	41.00	1.0
	0.2s		279.10nm				6.5mb X
			e		20	32.00	
DAV	6.39	25	ePc		15	52.00	0.4
	1.4s		5246.51nm				7.2mb X

ID	Time	Freq	Type	Lat	Long	Alt
BK2	6.44	247	iPd	15 46.50	-5.7X	0.8 s
MKS	7.27	207	iPc	16 06.50	2.7	6.60nm
			iS	17 36.50		4.5mb
AAI	7.29	133	eP	16 08.70	4.5X	23 03.00 510kmX
CGP	7.37	15	iPd	16 03.00	-2.3	e 29 20.20
KKM	8.11	306	ePc	16 14.50	-1.3	21 30.00 -0.1
	0.6 s	93.20nm				1.0 s 40.00nm 5.2mb
						Z 16 s 1.10um 4.8MsZ
						N 16 s 1.00um
MAP	9.06	7	iPd	16 29.00	0.2	S 27 19.00
	1.0 s	110.00nm				21 31.00 -2.2
PGP	12.29	351	eP	17 15.00	2.2	1.4 s 60.47nm 5.2mb
OCP	13.39	353	eP	17 44.00	16.5X	eS 27 25.00
BAG	15.20	352	eP	17 46.00	-5.4X	21 43.00 1.4
MTN	16.28	150	eP	18 06.00	0.9	1.6 s 64.00nm 5.1mb
CVP	16.35	357	ePd	18 11.00	4.9X	Z 20 s 1.18um 4.7MsZ
	1.2 s	338.00nm				E 15 s 0.89um
KNA	17.91	161	eP	18 28.00	2.4	pP 21 54.00 39kmX
KGM	19.51	272	iPd	18 45.30	0.3	sP 22 00.00
KLM	21.24	275	eP	19 03.00	0.0	PP 23 13.00
OIZ	21.75	325	P	19 09.20	1.0	S 27 38.00
	1.0 s	100.00nm				eS 28 00.00
	N 15 s	1.60um				eSS 30 25.00
IPM	22.01	279	ePd	19 17.60	6.8X	ADE 39.01 159 eP 21 43.00 0.2
MNDI	22.08	110	e(P)	19 16.00	4.3X	1.0 s 170.00nm 5.7mb
SNG	22.90	285	eP	19 10.00	-9.5X	BJI 39.05 352 eP 21 43.00 0.0
						1.2 s 50.00nm 5.1mb
GZH	23.55	338	Pd	19 27.00	1.2	Z 20 s 0.60um 4.4MsZ
	Z 14 s	1.40um				ePP 23 16.00
	N 13 s	1.10um				eS 27 40.00
	E 12 s	1.20um				eSS 30 25.00
PSI	23.92	274	ePc	19 37.20	7.7X	CMS 39.23 148 eP 21 45.00 0.4
WB2	23.93	152	iPd	19 28.30	-1.3	YAMJ 39.98 21 eP 21 50.30 -0.4
	0.5 s	26.10nm				SNY 40.37 1 iPc 21 53.30 -0.6
TSI	24.33	276	ePd	19 37.00	3.5X	1.5 s 100.00nm 5.3mb
GUMO	25.01	60	eP	19 41.00	0.9	Z 16 s 0.90um 4.7MsZ
NNT	25.49	297	eP	19 40.00	-4.6X	S 28 00.00
PMG	26.46	114	eP	19 53.00	-0.6	HHC 40.69 347 P 21 57.40 0.7
NST	26.56	304	eP	19 57.00	2.6	1.1 s 100.00nm 5.5mb
ASPA	27.03	157	iPd	19 58.40	-0.4	Z 16 s 1.20um 4.8MsZ
	0.3 s	8.90nm				N 15 s 0.60um
QIS	27.22	144	iPd	19 59.80	-0.7	BTO 40.83 345 eP 21 58.00 0.2
						N 16 s 0.60um
WARB	27.55	173	eP	20 01.30	-2.1	E 16 s 0.50um
BDT	28.29	305	eP	20 09.00	-1.2	pP 22 04.50 22km
CHG	29.18	308	eP	20 19.00	0.7	ePP 23 38.00
	1.0 s	12.50nm				S 28 09.00
GYA	29.47	330	P	20 20.20	-0.7	eSS 31 06.50
	1.0 s	100.00nm				OFUJ 41.38 22 eP 22 02.40 0.2
	Z 14 s	0.50um				COO 42.06 141 eP 22 10.00 2.0
	N 13 s	0.40um				e 24 12.00
	E 13 s	0.50um				CN2 42.40 3 eP 22 09.80 -0.7
SSE	29.70	357	Pc	20 23.70	1.0	Z 15 s 1.00um 4.8MsZ
	1.5 s	61.00nm				N 15 s 0.30um
	Z 18 s	1.30um				E 15 s 0.10um
	N 14 s	1.40um				eP 22 18.00 28km
WHN	30.20	345	eP	20 29.00	1.9	8FD 42.41 156 eP 22 16.00 5.3X
	Z 16 s	0.70um				BWA 42.87

21d 14h

JUN 21, 1991 14h 43m 08.17±0.46s
 15.277 N ± 6.9km 120.362 E ± 9.1km
 DEPTH = 10.0km (geophysicist)
 4.7mb (9 obs.) 4.0Msz (3 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

OCP	0.94	133	iP	43	45.00	18.9X
BAG	1.15	11	iPc+	43	27.00	-2.7X
PGP	1.85	162	ePc	43	40.50	0.2
			iS	44	08.00	
SZP	2.26	2	iPd	43	50.50	4.3X
			iS	44	22.00	
CVP	2.79	30	ePc	43	54.00	0.3
			eS	44	49.00	
CGP	8.00	148	eP	45	10.00	2.8X
OIZ	10.72	292	eP	45	44.00	-0.9
	N 12s		0.36um			
	E 15s		0.75um			
			eS	47	39.80	
SSE	15.76	3	eP	46	54.00	2.1
	Z 18s		1.20um			
	N 15s		0.80um			
			pP	47	02.50	
			PP	47	09.00	
NJ2	16.76	356	Pc	47	07.00	2.5X
	Z 18s		0.60um			
BDT	20.60	278	eP	47	49.00	-1.1
CHG	20.77	283	eP	47	53.90	1.9
TIA	21.05	353	eP	47	53.00	-1.7
XAN	21.35	333	P	47	57.50	-0.3
CD2	21.76	319	P	48	03.50	1.5
	E 12s		0.70um			
TIY	23.43	344	eP	48	17.20	-1.2
	Z 22s		0.52um			3.9Msz
	E 15s		0.65um			
BJI	24.94	352	eP	48	31.50	-1.4
	Z 1.2s		30.00nm			4.9mb
	Z 18s		0.41um			4.0Msz
LZH	25.44	328	eP	48	40.00	2.1
	Z 1.2s		35.00nm			4.9mb
	Z 17s		0.44um			4.0MszX
	N 11s		0.51um			
	E 11s		0.46um			
			ePP	49	14.00	
			eS	52	56.00	
SNY	26.60	5	eP	48	46.40	-2.0
HHC	26.60	345	eP	48	50.00	1.4
	Z 20s		0.70um			4.2Msz
	N 12s		0.20um			
BTO	26.79	342	eP	48	53.00	2.7X
	N 15s		0.40um			
	E 12s		0.30um			
			eS	53	18.00	
CN2	28.76	8	eP	49	12.00	4.0X
	Z 14s		1.00um			4.6MszX
GTA	30.04	327	eP	49	20.00	0.2
	Z 14s		0.40um			4.2MszX
	N 21s		1.30um			
WB2	37.61	158	iPd	50	23.50	-1.5
	0.7s		13.60nm			4.8mb
HYB	40.12	279	eP	50	46.00	-0.1
ASPA	40.91	161	iPc	50	52.00	-0.4
	0.6s		9.50nm			4.7mb
GBA	41.56	273	Pd	50	57.40	-0.4
CTA	43.39	143	iP	51	14.00	-1.2
	1.0s		15.00nm			4.7mb
CTAO	43.39	143	iP	51	14.00	1.2
	1.0s		15.00nm			4.7mb
YAK	47.15	6	eP	51	39.60	-2.7X
BRS	52.80	143	iP	52	26.00	-0.1
MAIO	57.73	303	eP	53	03.00	1.1
SOD	77.46	337	eP	55	09.00	3.9X
NUR	79.63	330	eP	55	27.00	10.0X
VRI	81.69	315	ePd	55	29.50	1.2
INK	81.75	21	eP	55	31.00	2.9X
MBC	82.08	12	eP	55	30.00	0.3
	1.0s		5.00nm			4.6mb
MLR	82.31	315	ePc	55	30.50	-1.2
KRA	84.97	320	eP	55	49.10	4.2X
VAY	85.78	312	eP	55	58.00	8.9X
NAO	85.98	332	P	55	46.80	-2.9X
	0.8s		2.70nm			4.5mb
KSP	86.92	322	eP	55	52.50	-2.1
YKA	91.45	22	eP	56	15.30	-0.4
	0.7s		1.10nm			4.3mb
			S.D. = 1.3	on 28	of 42	obs.

* JUN 21, 1991 15h 34m 34.51±1.70s
 18.262 S ± 26.7km 69.475 W ± 9.9km
 DEPTH = 158.1 ± 13.5 km
 4.3mb (3 obs.)
 NORTHERN CHILE (123)

CNCB	2.03	45	iPd	35	11.80	0.3
LPB	2.16	38	iPd	35	13.00	0.1
	1.0s		700.00nm			
ZOBO	2.37	33	iPd	35	15.30	-0.1
ARE	2.63	313	iPc	35	19.00	0.6
			iS	35	50.50	
CCH	3.29	75	P	35	26.50	-0.3
NNA	9.46	310	eP	36	47.50	-0.9
	0.5s		4.23nm			4.3mb
			eS	38	35.00	
PPD	17.46	105	eP	38	30.10	0.1
BAO	20.72	86	e(P)	39	03.00	-1.1
KIC	68.36	75	(P)	45	21.40	0.2
LKO	68.82	72	P	45	25.18	1.1
	0.6s		10.50nm			4.8mb
YKA	87.97	341	eP	47	11.10	3.9X
	0.5s		0.80nm			4.0mb
			S.D. = 0.8	on 10	of 11	obs.

? JUN 21, 1991 16h 03m 44.60±2.42s						
6.987 S ± 21.9km 147.664 E ± 24.2km						
DEPTH = 33.0km (normal)						
4.4mb (3 obs.)						
EAST PAPUA NEW GUINEA REGION (207)						
YYYY	1.84	294	eP	04	14.00	-0.6
			eS	04	39.00	
PMG	2.46	192	iPd	04	29.20	5.9X
MDG	2.55	313	iPc	05	10.10	45.6X
MNDI	4.06	281	eP	04	47.00	0.7
QIS	15.59	209	iPc	07	27.70	4.1X
			e	08	20.00	
WB2	18.24	224	iPd	07	57.00	0.0
	0.3s		10.40nm			4.5mb
BRS	20.87	167	i(PKP)	08	27.00	0.6
ASPA	21.21	217	iPd	08	30.00	0.1
	0.4s		10.90nm			4.6mb
STK	25.41	192	eP	09	10.00	-0.8
	0.5s		2.20nm			4.0mb
			S.D. = 0.8	on 6	of 9	obs.

JUN 21, 1991 16h 17m 29.95±0.17s						
1.093 N ± 2.9km 123.045 E ± 4.2km						
DEPTH = 30.0km (17 depth phases)						
5.5mb (44 obs.) 4.7Msz (11 obs.)						
MINAHASSA PENINSULA (265)						
CENTROID, MOMENT TENSOR (HRV)						
Data Used: GDSN						
L.P.B.: 23S, 47C						
Centroid Location:						
Origin Time 16:17:32.9 0.3						
Lat 1.40N 0.03 Lon 123.22E 0.04						
Dep 50.4 3.6 Half-duration 1.9						
Moment Tensor: Scale 10**17 Nm						
Mrr= 1.00 0.06 Mtt=-1.21 0.06						
Mff= 0.21 0.11 Mrt=-0.73 0.09						
Mrf= 0.35 0.07 Mtr=-0.05 0.05						
Principal Axes:						
T Vol= 1.33 Plg=66 Azm=228						
N 0.10 16 97						
P -1.43 17 2						
Best Double Couple: Mo=1.4*10**17						
NP1:Strike= 69 Dip=31 Slip= 58						
NP2: 285 64 108						
TSM	5.86	302	iPd	18	58.90	1.8
	0.6s		753.50nm			6.5mb
			e	20	01.80	
			e	24	03.00	
DAV	6.47	23	ePc+	19	06.00	0.4
	1.1s		5762.02nm			7.3mb X
BKB2	6.58	249	iPc	19	13.50	6.3X
MKS	7.21	210	iPc	19	20.00	3.9X
			iS	20	46.00	
CGP	7.49	13	iPd	19	18.00	-2.0
	1.0s		50.00nm			5.5mb
KKM	8.40	306	ePc	19	32.50	-0.3
	0.6s		91.80nm			6.1mb
			e	19	46.50	
MAP	9.22	6	eP	19	43.00	-0.9
	1.0s		207.00nm			6.3mb X

PGP	12.50	351	iPc	20	30.50	1.8
	1.0s		55.00nm			5.7mb
TRT	13.57	230	iPd	20	44.50	1.6
	1.0s		1385.00nm			6.8mb X
BAG	15.41	351	eP-	21	05.50	-1.7
MTN	16.01	150	eP	21	15.00	0.3
CVP	16.55	356	eP	21	23.00	1.4
	1.6s		3103.00nm			6.2mb
PIP	17.29	352	eP	21	32.00	1.1
KNA	17.66	162	iPd	21	37.80	2.2
KGM	19.74	273	iPc	22	01.00	0.5
	1.1s		628.10nm			5.8mb
KLM	21.48	276	ePd	22	19.50	1.1
MNDI	21.80	110	eP	22	24.00	2.1
OIZ	22.03	325	P	22	24.60	0.7
	N 16s		1.30um			
	E 16s		1.20um			
			S	26	22.00	
IPM	22.26	279	ePc	22	33.10	6.9X
	1.3s		323.10nm			5.6mb
			e	23	45.30	
HKC	22.78	338	eP	22	34.00	2.7X
			eS	26	40.00	
SNG	23.16	286	eP	22	36.00	1.0
	1.1s		356.96nm			5.8mb
			eS	26	52.00	
WB2	23.67	153	iPc	22	40.10	0.2
	0.5s		105.30nm			5.6mb
GZH	23.81	337	P	22	42.40	1.2
	N 14s		1.30um			
			S	26	55.00	
PSI	24.16	274	ePc	22	53.60	8.9X
	1.0s		120.80nm			5.4mb
GUMO	24.91	59	eP	22	35.00	-17.0X
NNT	25.77	297	eP	23	00.00	-0.1
PMG	26.18	114	eP	23	03.00	-0.9
ASPA	26.78	157	iPc	23	09.00	-0.4
	1.0s		31.10nm			4.9mb
NST	26.85	304	eP	23	13.00	3.0X
QIS	26.94	144	iPc	23	10.40	-0.5
			i	23	23.00	50kmX
WARB	27.34	173	eP	23	14.00	-0.4
KHT	27.72	301	iPd	23	19.60	1.6
BDT	2					

N	15s		0.70um			S	32	04.00	JVI	87.47	302 eP	30	15.00	-1.4				
RKG	35.92	189	iPd	24	20.00	-9.7X	sS	32	16.00	HQL	87.72	299 ePc	30	18.00	0.4			
STK	37.21	153	iPc	24	40.70	0.2	ScS	35	27.00	PRNI	87.77	300 eP	30	16.00	-1.8			
	0.6s		26.00nm		5.3mb				PMO	89.37	105 iP	30	29.40	3.8				
			i	25	26.30	213kmX	MDJ	43.72	7 eP		1.3s	105.00nm		6.0mb				
			e	26	59.10			1.0s	30.00nm									
DL2	37.65	358	eP	24	45.00	0.9	MRRJ	44.22	19 eP		VAH	89.63	105 iP	30	30.40	3.6		
Z	14s		0.60um		4.5MsZ		GUN	44.44	310 P			1.3s	90.00nm		5.9mb			
			sP	24	53.60			0.8s	163.00nm		TPT	89.64	105 iP	30	30.60	3.7X		
			eS	30	35.00				6.0mb			1.3s	115.00nm		6.0mb			
TIY	37.73	346	eP	24	45.00	0.1	PKI	44.64	310 P		RUV	89.87	105 iP	30	31.40	3.4X		
Z	20s		1.50um		4.8MsZ		KKN	44.84	310 P			1.3s	60.00nm		5.7mb			
N	20s		1.80um				DMN	44.89	309 P		BALM	91.29	29 eP	30	35.00	1.1		
			PP	26	13.00		HOIJ	44.95	21 eP		MTD	91.71	253 iPc	30	35.00	-1.6		
CHJJ	37.80	21	P	24	43.40	-2.0	GKN	45.44	310 P				i	30	47.00	39km		
MTMJ	37.87	20	eP	24	44.90	-1.2	KUSJ	46.09	22 eP		KRI	93.60	253 iPc	30	44.00	-1.3		
MAT	37.96	20	iPd	24	44.90	-2.0	KOD	46.20	283 eP				i	30	55.20	36km		
	1.2s		56.25nm		5.3mb		ASAJ	46.25	20 eP		INK	93.94	21 eP	30	44.00	-1.8		
			eS	30	33.00		HYB	46.64	293 iPc		MLR	94.21	316 eP	30	46.50	-1.2		
KAKJ	38.38	23	eP	24	50.80	0.5		1.2s	227.30nm		BUL	94.54	250 iPc	30	48.30	-1.3		
SHL	38.66	312	iP	24	48.00	-5.0X			e	26	11.80	51kmX		5.9mb				
			iS	30	46.00				eS	32	46.00							
ADE	38.75	159	iPc	24	54.20	0.7	GBA	46.80	288 Pd		SEK	95.29	242 iPd	30	52.70	-0.3		
	1.0s		386.00nm		6.1mb			1.3s	104.70nm			0.9s	16.81nm		5.5mb			
			e	25	08.00	53kmX	DZM	48.18	121 iPc		MBC	95.30	12 eP	30	51.50	-0.4		
NIJ	38.87	20	eP	24	52.50	-1.9	POO	51.25	293 iPd			1.0s	6.00nm		5.0mb			
CMS	38.95	148	eP	24	56.00	0.8	NDI	51.60	306 iPc		PRY	95.46	243 iPd	30	53.00	-0.8		
LZH	39.11	335	Pd	24	58.40	1.7		1.4s	93.02nm		FRS	97.25	240 iPd	31	00.20	-1.4		
	2.0s		88.00nm		5.2mb		WMQ	52.89	328 P			0.7s	20.55nm		5.8mb			
Z	20s		1.23um		4.7MsZ			4.0s	400.00nm		SPC	97.53	320 eP	31	02.20	-0.6		
E	14s		0.68um						pP	26	56.50	38km	KRA	97.56	321 eP	31	01.60	-1.0
			pP	25	07.50	31km			sP	27	03.00				e	31	12.10	33km
			sP	25	13.00				PcP	27	50.00		KIM	97.77	241 eP	30	59.00	-5.2X
			PP	26	32.00				PP	28	44.50		NVL	97.92	198 ePc	31	05.00	1.2
			eS	30	55.00				PcS	31	48.50				e	31	15.00	31km
			sS	31	08.00				S	34	15.00				e	32	24.00	
			SS	33	40.00		IRK	53.36	346 ePc				e	33	14.00			
BJI	39.27	352	eP	24	58.50	0.9			e	26	57.10	27km	DAG	99.36	352 eP	31	09.00	-1.3
	1.7s		74.00nm		5.2mb				e	27	22.80		NAO	99.71	333 P	31	09.70	-2.5
Z	22s		0.92um		4.6MsZ				e	27	34.00			1.1s	5.70nm		5.0mb	
			epP	25	07.50	30km			e	27	43.20		BRG	101.10	322 ePd iff 31	17.00	-0.8	
			ePP	26	30.00				e	28	33.90			1.2s	85.00nm		6.2mb	
YAMJ	40.07	21	eP	25	04.30	0.0			e	29	35.00				e	31	27.00	
BRS	40.24	137	iPc	25	06.00	0.0			eS	34	19.00		CLL	101.55	323 iPd iff 31	33.00	13.2X	
SNY	40.55	1	Pc	25	08.20	0.0	QUE	60.50	304 iPc		YKA	103.39	24 ePd iff 31	34.40	5.9X			
	1.4s		100.00nm		5.4mb				e(S)	35	57.00			0.8s	0.80nm		4.5mb X	
Z	18s		1.70um		4.9MsZ		YAK	60.98	4 iPc				ALQ	121.51	47 ePKP	36	23.00	0.1
N	18s		1.30um						iPp	27	48.00	23km	KIC	127.36	279 PKP	36	34.10	-0.5
			pP	25	15.50	25km			ePcP	28	20.00		LIC	127.66	279 PKP	36	34.60	-0.5
			S	31	14.00				ePP	30	08.00		LKO	127.78	283 PKP	36	34.06	-1.3
HHC	40.92	347	eP	25	12.60	1.2			ePPP	31	31.00		TACH	145.06	159 ePKP	37	06.00	-0.7
	1.0s		20.00nm		4.8mb				eS	35	50.00		PCH	145.23	160 ePKPc	37	07.00	-0.1
Z	18s		1.50um		4.9MsZ				ePS	36	27.00		PEL	145.61	159 iPKPc	37	08.00	0.3
N	13s		0.30um						eScS	37	27.00			1.5s	166.67nm			
E	16s		0.70um				CSY	67.83	185 eP		JACH	146.06	159 ePKP	37	07.50	-1.0		
			PP	26	52.00			0.7s	22.50nm		MDZ	146.46	162 ePKP	37	11.50	2.4		
			S	31	23.00		MAIO	68.23	309 iPc		CNCB	160.98	146 PKP	37	36.00	6.2X		
			SS	34	21.00			1.1s	29.45nm				i	38	17.00			
			ScS	35	15.00				eS	37	36.00		LPB	161.14	145 ePKP	37	41.00	11.2X
BTO	41.06	345	eP	25	13.00	0.4				37	36.00				i	38	16.00	
N	17s		1.00um				DHR	74.21	297 iPc				ZOBO	161.33	144 iPKPc	37	31.90	1.7
E	17s		0.70um				IR4	74.82	306 iPc			1.1s	35.38nm					
			pP	25	20.00	24km	IR1	75.02	306 iPc						i	38	15.90	
			PP	26	51.00		IR5	75.07	306 eP									
			S	31	24.00		IR7	75.13	307 iPc									
OFUJ	41.47	22	eP	25	15.30	-0.5	RYD	77.22	295 iPc									
LSA	41.59	316	Pc	25	19.20	1.7	TAB	78.88	308 eP									
			S	31	34.00		KMSA	78.88	290 iPc									
COO	41.78	141	eP	25	20.00	1.4	MAW	80.03	200 iP									
BFD	42.15	157	iPc	25	22.00	0.6		1.1s	80.00nm									
CN2	42.58	3	eP	25	25.50	0.7	ABHA	80.44	288 ePc									
	1.0s		10.00nm		4.5mb X		BISH	80.65	290 ePc									
			1.70um		4.9MsZ		SBA	82.27	172 iPc									
			0.30um				NPA	84.29	255 iPc									
			0.10um				SVW	84.85	29 eP									
			epP	25	32.00	22km		1.0s	10.00nm									
			ScS	35	23.00		RSO	86.19	30 eP									
BWA	42.60	148	eP	25	27.50	2.3	OBN	87.07	325 iPd									
			ePP	27	07.90			1.5s	*****nm									
CAN	43.59	149	iPc	25	34.70	1.4		Z	24s	0.20um								
			e	25	41.10	21km				i	30	23.00	4.4MsZ					
			ePP	27	21.20					i	30	42.00	31km					
GTA	43.63	334	iPc	25	34.90	1.2				eS	40	47.00						
	1.2s		70.00nm		5.3mb					e	41	06.00						
Z	22s		1.20um		4.8MsZ					eSSS	50	12.00						
N	18s		1.00um				HRI	87.15	303 eP									
			pP	25	45.00	34km	SLKM	87.44	30 eP									

21d 17h

CLC	1.28	64	iPd	42 05.50	0.4
MWC	1.30	143	iPd	42 05.30	-0.1
PRI	1.61	304	ePc	42 09.00	-0.9
			iS	42 29.47	
FRI	1.82	342	ePc	42 12.50	-0.3
			iS	42 35.21	
PEC	2.05	131	eP	42 15.20	-1.0
PRS	2.20	300	ePd	42 16.50	-1.7
SAO	2.48	308	ePd	42 21.32	-1.0
			iS	42 50.19	
PLM	2.60	136	eP	42 23.10	-1.1
BONR	2.75	12	eP	42 30.00	3.6
CMB	2.98	339	e(P)	42 30.72	1.3
			iS	43 06.02	
TNP	3.16	27	eP	42 46.50	14.3
	13 obs. associated				

? JUN 21, 1991 19h 21m 42.29±4.74s
14.807°N ±40.3km 60.715°W ±53.4km
DEPTH = 50.0km (geophysicist)

WINDWARD ISLANDS (95)

CRM	0.20	255	iPc	21 50.77	0.1
			S	21 59.30	
MVM	0.31	215	iPc	21 51.45	-0.1
			S	22 00.50	
FDF	0.43	260	iPc	21 52.73	-0.1
	0.1s		1.10nm		
			S	22 02.70	
BIM	0.45	230	iPc	21 53.14	0.1
			S	22 03.20	
	S.D. = 0.2 on 4 of 4 obs.				

? JUN 21, 1991 19h 27m 01.88±3.48s
6.960°S ±19.3km 130.761°E ±21.9km
DEPTH = 69.5 ±35.1 km
4.2mb (1 obs.)

BANDA SEA (280)

MTN	5.86	176	eP	28 29.00	0.8
	0.3s		98.00nm		5.6mb X
			eS	29 28.00	
KNA	8.95	192	iPd	29 10.10	-0.8
			eS	30 53.00	
WB2	13.37	165	eP	30 07.20	-3.0X
	0.2s		11.00nm		5.2mb X
			iS	32 27.40	
OIS	16.00	148	eP	30 44.00	-0.2
			eS	33 29.00	
ASPA	16.88	170	iPd	30 54.90	-0.3
	0.6s		10.70nm		4.2mb
			eS	33 49.90	
WARB	19.52	191	eP	31 27.00	0.5
GUN	55.50	311	P	36 33.00	0.3
PKI	55.68	310	P	36 33.00	-0.1
KKN	55.89	310	P	36 34.80	-0.5
GKN	56.48	310	P	36 39.80	0.3
	S.D. = 0.7 on 9 of 10 obs.				

* JUN 21, 1991 19h 33m 47.10±0.96s
2.502°N ±16.6km 66.550°E ±9.4km
DEPTH = 10.0km (geophysicist)
4.9mb (4 obs.)

CARLSBERG RIDGE (421)

HYB	18.94	38	eP	38 09.50	-1.2
QUE	27.54	1	eP	39 39.50	3.2X
DMN	30.63	34	P	40 04.80	0.6
GKN	30.68	33	P	40 05.20	0.7
	1.0s		24.00nm		5.0mb
PKI	30.77	34	P	40 05.30	-0.2
KKN	30.87	34	P	40 06.60	0.4
GUN	31.30	34	P	40 10.80	0.7
CHTO	35.61	61	eP	40 46.80	-0.5
	2.0s		32.56nm		4.9mb
VAY	55.25	320	eP	43 23.40	0.6
SKO	56.31	321	iP	43 30.70	0.2
			i	43 36.80	
PRU	64.53	326	eP	44 26.00	-0.4
KHC	64.67	325	P	44 26.50	-0.9
CLL	66.02	326	eP	44 36.00	0.0
	1.4s		16.00nm		5.0mb
WRA	70.09	112	P	45 02.00	0.0
	1.0s		2.70nm		4.3mb
	S.D. = 0.7 on 13 of 14 obs.				

? JUN 21, 1991 19h 53m 55.67±1.00s

38.544°N ±9.1km 23.302°E ±12.5km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 2.7 (ATH).

ATH	0.66	150	ePb	54 09.50	0.7
			eSb	54 21.00	
VLI	1.85	189	ePn	54 27.00	-0.6
KZN	2.12	327	ePn	54 32.00	0.3
PRK	2.42	72	ePn	54 35.50	-0.4
RDO	3.12	33	ePb	54 50.50	4.8X
	S.D. = 1.1 on 4 of 5 obs.				

* JUN 21, 1991 19h 55m 23.49±1.56s
30.200°S ±6.3km 178.166°W ±45.6km
DEPTH = 369.6 ±25.6 km
4.0mb (2 obs.)

KERMADEC ISLANDS (178)

PUZ	8.39	200	eP	57 23.90	0.6
			eS	58 57.20	
NOZ	8.96	199	eP	57 31.10	1.1
			eS	59 10.50	
WLZ	9.21	213	eP	57 37.10	4.1X
TTH	10.18	202	eP	57 46.10	1.6
NGZ	10.32	208	eP	57 48.10	1.8
PGZ	11.34	202	eP	58 00.00	1.7
MNG	11.61	205	P	58 00.00	-1.6
			eS	00 04.90	
KIW	12.04	206	eP	58 05.20	-1.4
MTW	12.08	203	eP	58 05.60	-1.5
CAW	12.19	205	eP	58 07.00	-1.4
WDW	12.36	205	P	58 10.30	-0.1
DIW	12.38	209	eP	58 10.30	-0.4
MOW	12.40	204	eP	58 11.10	0.2
SVA	12.42	345	eP	58 11.60	0.5
MRW	12.43	206	eP	58 10.10	-1.2
			eS	00 21.40	
WEL	12.46	205	eP	58 13.10	1.6
VUN	12.52	345	eP	58 12.00	-0.4
TCW	12.58	207	P	58 13.20	0.2
OVA	12.76	347	eP	58 16.50	1.2
KRO	13.02	350	eP	58 18.20	-0.1
SGE	13.05	343	eP	58 16.50	-2.3
MBU	13.47	347	eP	58 23.90	0.7
THZ	13.61	210	eP	58 22.70	-1.9
			S	00 47.00	
KHZ	13.90	206	P	58 27.30	-0.3
			eS	00 54.80	
LTZ	14.71	209	eP	58 36.40	-0.1
			iS	01 09.20	
DZM	16.00	297	iPc	58 49.20	-1.1
WB2	43.93	272	iPd	02 58.90	1.9
	0.5s		6.70nm		4.2mb
			e	03 37.70	
WRA	43.94	272	P	02 58.00	0.9
	0.6s		3.80nm		3.8mb
NUR	146.08	340	ePKP	14 30.00	10.4X
NAO	148.79	351	PKP	14 37.70	13.8X
	0.7s		3.10nm		
	S.D. = 1.3 on 27 of 30 obs.				

? JUN 21, 1991 20h 27m 30.94±0.79s
40.122°N ±6.3km 23.602°E ±7.3km
DEPTH = 10.0km (geophysicist)

GREECE (364)

PAIG	0.20	163	iPd	27 35.50	0.1
			eS	27 38.92	
OUR	0.36	54	ePc	27 38.16	-0.2
THE	0.70	316	ePc	27 54.02	9.2X
LIT	0.85	269	iPc	27 47.25	-0.2
SRS	0.99	360	ePc	27 49.96	0.2
			eS	28 03.28	
KNT	1.17	333	iPd	27 52.82	0.1
			iS	28 21.85	
	S.D. = 0.2 on 5 of 6 obs.				

? JUN 21, 1991 20h 36m 27.41±9.50s
43.100°N ±32.4km 1.759°W ±61.0km
DEPTH = 10.0km (geophysicist)

PYRENEES (378)

MD 1.4 (STR). Felt (III) at

Irouleguy, France.

BOH	0.55	90	Pg	36 38.56	0.0
			Sg	36 42.99	

ELYF	0.57	83	Pg	36 39.00	0.1
			Sg	36 43.92	
MADF	0.69	86	Pg	36 41.23	0.1
			Sg	36 47.51	
ISSF	0.71	96	Pg	36 41.42	-0.1
			Sg	36 48.14	
ATE	0.78	91	Pg	36 42.70	0.2
			Sg	36 49.96	
LHE	0.86	102	Pg	36 43.98	0.0
			Sg	36 51.76	
ESCF	0.87	91	Pg	36 44.18	0.0
			Sg	36 52.58	
JAU	1.02	93	Pg	36 46.93	0.1
BTH	1.14	88	e(Pg)	36 48.20	-0.5
	S.D. = 0.2 on 9 of 9 obs.				

* JUN 21, 1991 20h 46m 08.11±1.26s
6.893°S ±11.9km 130.059°E ±23.7km
DEPTH = 112.0 ±13.3 km
5.1mb (5 obs.)

BANDA SEA (280)

AAI	3.69	330	eP	47 05.20	1.0
MTN	6.01	170	eP	47 36.00	0.0
KNA	8.89	188	iPd	48 14.60	-0.7
			eS	49 48.00	
WB2	13.63	163	iPd	49 16.10	-1.9
	0.5s		58.20nm		5.2mb X
			eS	51 39.50	
OIS	16.43	147	iPc	49 53.40	-0.1
	0.3s		9.00nm		4.5mb
			iS	52 45.40	
ASPA	17.08	168	eP	50 01.30	-0.2
	0.4s		39.20nm		5.0mb
			eS	53 00.40	
WARB	19.46	189	eP	50 30.50	1.9
			eS	53 56.00	
CTAO	20.47	131	eP	50 45.00	6.0X
			e(S)	54 21.00	
STK	27.09	158	eP	51 44.30	2.1
	0.4s		1.30nm		3.8mb X
			i	52 07.90	
			e	53 57.10	
			eS	56 56.70	
CHG	39.92	310	eP	53 33.40	0.4
LZH	49.34	332	eP	54 47.50	-0.6
	1.5s		31.00nm		5.0mb
GUN	54.93	311	P	55 29.80	-0.4
	0.4s		15.00nm		5.3mb
PKI	55.10	310	P	55 31.20	-0.2
KKN	55.31	311	P	55 32.00	-0.8
DMN	55.35	310	P	55 33.10	0.0
GKN	55.91	310	P	55 36.60	-0.4
	0.4s		11.00nm		5.2mb
	S.D. = 1.1 on 15 of 16 obs.				

* JUN 21, 1991 21h 15m 42.77±1.77s
14.645°N ±9.1km 146.934°E ±11.6km
DEPTH = 40.2 ±14.3 km
4.6mb (6 obs.)

MARIANA ISLANDS (216)

GUA	2.25	241	eP	16 18.80	0.4
			eS	16 46.60	
GUMO	2.26	243	eP	16 18.50	-0.1
			eS	16 46.80	
MAT	23.16	342	(P)	20 45.00	-1.6
			eS	25 22.00	
WB2	36.53	200	eP	22 45.90	-0.7
	0.7s		3.40nm		4.4mb
BJI	36.91	319	eP	22 49.50	-0.1
	1.5s		18.00nm		4.7mb
TIY	38.22	313	eP	23 00.40	-0.3
XAN	39.35	306	eP	23 10.20	0.0
HHC	40.32	317	eP	23 19.40	1.2
BTO	41.23	316	P	23 26.20	0.6
CD2	42.68	300	eP	23 37.80	0.2
LZH	43.95	307	Pc	23 49.00	1.0
	1.5s		43.00nm		5.0mb
			pP	23 54.00	17kmX
			sP	23 57.00	
GTA	48.00	310	eP	24 20.50	0.4
	1.4s		10.00nm		4.7mb
			sP	24 33.60	
YAK	48.88	349	eP	24 24.30	-2.0

1.4s 10.00nm 4.7mb
 GUN 57.89 294 P 25 33.00 0.0
 PKI 58.31 294 P 25 36.06 -0.7
 KKN 58.42 294 P 25 37.36 0.0
 DMN 58.58 294 P 25 37.76 -0.8
 GKN 58.99 294 P 25 40.56 -0.7
 HYB 65.47 283 ePd 26 24.00 -0.5
 INK 72.63 23 eP 27 08.00 0.3
 MBC 76.76 14 eP 27 32.00 0.6
 YKA 81.00 28 eP 27 55.00 1.3

1.0s 1.30nm 3.9mb
 KIC 145.01 305 PKP 35 18.10 -0.3
 TIC 145.06 305 PKP 35 18.30 -0.2
 LIC 145.32 305 PKP 35 19.10 0.2
 ZOBO 146.20 97 PKP 35 25.00 4.0X
 LPB 146.23 98 ePKP 35 21.00 0.1
 CNCB 146.35 98 PKP 35 26.00 4.7X

S.D. = 0.8 on 28 of 30 obs.

% JUN 21, 1991 21h 24m 00.67±0.79s
 37.096 N ± 5.9km 3.503 W ± 8.2km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)
 mbLg 2.6 (MDD).

AFC 0.16 348 iPgc 24 03.50 -1.0
 ECOG 0.19 344 iPgd 24 04.00 -0.9
 EGUA 0.27 191 iPgd 24 05.30 -1.0
 MAL 0.82 243 eSg 24 10.00
 ENIJ 1.04 96 iPgd 24 21.00 0.6
 EBAN 1.09 348 ePg 24 22.00 0.8
 EHOR 1.57 298 ePg 24 29.50 0.9
 EJIF 1.70 248 ePg 24 36.00 5.4X
 EVIA 1.73 27 ePg 24 33.50 2.4X
 24 57.00 eSg

S.D. = 1.1 on 7 of 9 obs.

JUN 21, 1991 22h 05m 02.17±0.73s
 42.812 N ± 7.2km 18.016 E ± 5.5km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 2.2 (TTG).

BRY 0.40 77 iPgd 05 10.33 0.0
 HCY 0.51 135 iPgd 05 12.05 -0.4
 NKY 0.72 90 iPgc 05 15.95 -0.5
 BDV 0.80 131 iPgd 05 17.35 -0.4
 TTG 1.00 112 iPgc 05 21.32 0.3
 PLE 1.14 62 iPgd 05 22.90 -0.6
 HVAR 1.21 288 iPg 05 24.60 0.0
 ULC 1.25 132 iPgd 05 25.57 0.2
 IVA 1.39 87 iPgd 05 28.50 0.9
 PVY 1.46 98 iPnc 05 29.27 0.6

S.D. = 0.6 on 10 of 10 obs.

* JUN 21, 1991 22h 44m 51.29s
 59.903 N 153.316 W
 DEPTH = 122.1km
 SOUTHERN ALASKA (2)
 <AEIC>.

PDB 0.46 256 iP 45 08.50 -1.0
 AUI 0.57 186 eP 45 09.69 -0.5
 RS2 0.63 26 iP 45 10.06 -0.8
 RSO 0.63 26 iP 45 10.03 -0.8
 RDW 0.63 23 iP 45 10.04 -0.8
 REF 0.66 27 iP 45 10.29 -0.8
 RDN 0.67 24 iP 45 10.34 -0.7
 NCT 0.69 16 iP 45 10.36 -0.8
 DFR 0.76 24 iP 45 10.85 -0.9

RDT 0.81 34 iP 45 11.34 -0.8
 MCNL 0.89 216 iP 45 11.83 -0.9
 XLV 0.93 118 eP 45 12.28 -0.8
 NNL 1.03 81 eP 45 14.26 0.2
 CNPM 1.12 109 iP 45 14.28 -0.8
 NKA 1.33 50 eP 45 18.08 0.8
 SYI 1.38 159 eP 45 16.90 -0.9
 CKL 1.39 20 iP 45 17.28 -0.7
 SPU 1.43 25 iP 45 17.46 -1.0
 BGL 1.44 18 eP 45 18.06 -0.6
 CRP 1.48 22 iP 45 18.57 -0.6
 CGLM 1.55 24 eP 45 19.10 -0.8
 NCG 1.61 20 eP 45 20.00 -0.6
 SLKM 1.66 67 eP 45 19.89 -1.3
 SEW 1.95 82 eP 45 23.43 -1.2
 SUA 2.01 38 eP 45 24.75 -0.9
 SKT 2.26 22 eP 45 27.56 -1.1
 PMS 2.29 52 eP 45 27.50 -1.6
 PLRM 2.66 49 eP 45 31.91 -1.9
 LTI 2.75 85 eP 45 33.46 -1.5
 KNIM 2.83 78 eP 45 33.37 -2.7
 KNK 2.83 56 eP 45 33.95 -2.1
 MTU 2.85 86 eP 45 35.16 -1.2
 GHO 2.85 47 eP 45 35.00 -1.4
 SML 3.10 50 eP 45 37.98 -1.7
 VZW 3.54 68 eP 45 43.20 -2.4
 VLZ 3.67 67 eP 45 44.59 -2.6
 KLU 3.97 63 eP 45 48.33 -3.1
 RND 4.11 29 eP 45 51.09 -2.2
 GLB 4.92 68 eP 46 00.98 -3.3
 WRH 5.20 26 eP 46 05.10 -2.8
 BALM 5.55 73 eP 46 11.02 -1.8
 MDM 5.60 23 eP 46 10.64 -2.8

42 obs. associated

JUN 21, 1991 22h 50m 51.26±0.41s
 12.979 N ± 7.6km 58.062 E ± 6.7km
 DEPTH = 30.3km (4 depth phases)
 4.6mb (18 obs.)
 ARABIAN SEA (417)

GBA 18.87 86 Pc 55 10.40 -1.2
 QUE 1.0s 5.70nm 3.7mb
 HYB 19.00 24 eP 55 15.70 2.3
 MAIO 20.26 75 eP 55 28.00 0.8
 23.26 3 eP 56 02.00 4.8X
 00 19.00 eS
 MTD 39.48 222 iPc 58 21.50 0.4
 KRI 40.83 224 iPc 58 30.00 29km
 VRI 42.15 327 eP 58 30.00 0.7
 MLR 42.32 326 ePd 58 33.00 4.3X
 SKO 42.94 319 iP 58 44.10 39km
 BUL 43.85 222 iPc 58 45.50 2.9X
 58 48.50 4.3X
 58 49.70 0.6
 58 58.00 1.1
 59 06.00 27km
 SPC 47.65 327 eP 59 36.00 9.1X
 SRO 47.93 325 eP 59 32.00 3.2X
 KRA 48.32 328 eP 59 32.10 0.3
 VBY 48.58 320 e(P) 59 34.50 0.6
 ZST 48.82 324 eP 59 37.00 1.3
 LJU 49.28 321 eP 59 40.00 0.7
 KSP 50.69 327 eP 59 50.50 0.5
 PRU 51.19 325 P 59 53.60 -0.2
 KHC 51.31 324 P 59 54.50 -0.3

1.0s 3.50nm 4.3mb
 WTTA 51.61 321 i(P) 59 02.50 27km
 59 56.90 -0.3
 1.0s 9.80nm 4.7mb
 CLL 52.70 326 eP 00 06.00 0.8
 1.5s 15.00nm 4.7mb
 LPG 54.04 317 eP 00 14.70 -0.8
 0.8s 8.75nm 4.8mb
 LPL 54.06 317 eP 00 14.90 -0.6
 0.8s 9.40nm 4.9mb
 CDF 54.76 321 eP 00 19.70 -0.8
 0.8s 8.05nm 4.8mb
 BSF 54.84 320 eP 00 20.00 -1.1
 1.0s 8.00nm 4.7mb
 LBF 56.35 318 eP 00 31.20 -0.7
 0.8s 4.05nm 4.5mb
 LOR 56.52 319 eP 00 32.30 -0.8

0.8s 5.35nm 4.0mb
 SSF 56.68 318 eP 00 33.60 -0.6
 0.8s 5.35nm 4.6mb
 BGF 56.96 317 eP 00 35.60 -0.7
 0.8s 6.70nm 4.7mb
 MAF 57.04 317 eP 00 36.10 -0.8
 0.8s 4.05nm 4.5mb
 TCF 57.30 317 eP 00 38.10 -0.6
 0.8s 2.70nm 4.3mb
 NAO 58.74 335 P 00 48.20 -0.3
 1.1s 4.10nm 4.5mb
 LKO 62.39 274 P 01 14.78 0.7
 1.0s 24.00nm 5.3mb
 WRA 81.85 113 P 03 09.00 -0.5
 0.6s 3.10nm 4.5mb
 ASPA 82.56 116 eP 03 12.40 -0.8
 1.1s 6.20nm 4.6mb

S.D. = 0.9 on 30 of 35 obs.

JUN 22, 1991 00h 30m 26.48±0.25s
 23.915 N ± 4.4km 108.549 W ± 4.0km
 DEPTH = 10.0km (geophysicist)
 5.5mb (63 obs.) 6.1Msz (25 obs.)
 GULF OF CALIFORNIA (49)
 Ms 6.0 (BRK). Mo=3.0+10+18 Nm
 (PPT).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 43C
 Centroid Location:
 Origin Time 00:30:30.1 0.2
 Lat 23.64N 0.02 Lon 108.45W 0.02
 Dep 15.0 Fix Half-duration 4.7
 Moment Tensor: Scale 10+18 Nm
 Mrr=0.01 0.03 Mtt=-1.85 0.03
 Mff=1.85 0.04 Mrt=-0.13 0.11
 Mrf=0.45 0.09 Mtf=-0.59 0.03
 Principal Axes:
 T Vol=2.04 Plg=13 Azm=261
 N -0.10 77 89
 P -1.95 2 351
 Best Double Couple: Mo=2.0+10+18
 NP1: Strike=37 Dip=80 Slip=8
 NP2: 305 82 170

GUM2 5.84 123 (P) 31 55.50 0.2
 CGX 6.32 131 (P) 32 09.50 7.3X
 VNM- 7.47 73 (P) 32 33.00 14.8X
 MRX 8.02 120 (P) 32 35.00 9.2X
 TAC 9.79 116 (P) 32 51.00 0.4
 UNM 9.83 116 (P) 32 55.00 3.8X
 III 10.11 121 (P) 32 54.50 -0.4
 PPM 10.42 116 (P) 33 01.00 1.5
 GLA 10.64 330 eP 33 03.00 0.9
 IIT 10.71 115 (P) 33 05.50 2.3
 ACX 10.75 129 (P) 33 02.50 -1.0
 IKP 10.95 324 eP 33 08.70 2.3
 ALO 11.14 9 ePd- 33 09.00 0.0
 eS 35 20.00
 ANMO 11.14 9 ePd 33 08.80 -0.2
 i 48 10.00
 BAR 11.28 322 iPd 33 11.00 0.2
 BAR 11.28 322 eP 33 12.60 1.8
 IISM 11.50 113 (P) 33 14.50 0.7
 PLM 11.90 324 iPd 33 19.30 0.0
 TPC 12.08 329 iPd 33 23.00 1.3
 PEC 12.47 325 P 33 27.40 0.5
 RVR 12.66 324 eP 33 30.00 0.6
 MWC 13.21 323 eP 33 37.00 0.2
 GSC 13.42 330 eP 33 41.00 1.5
 SBB 13.43 325 eP 33 41.00 1.3
 MEO 13.87 36 iPd 33 45.10 -0.4
 CLC 14.21 329 eP 33 50.00 0.1
 ABL 14.32 322 P 33 51.10 -0.4
 PBJ 14.40 119 (P) 33 51.00 -1.5
 ISA 14.52 326 eP 33 54.00 0.0
 SYP 14.53 319 iPd 33 54.00 -0.1
 MSU 14.88 349 P 34 00.60 1.8
 PHAM 15.69 322 P 34 09.20 0.0
 TNP 15.94 334 iPd 34 14.00 1.3
 (S) 37 21.00
 GOL 15.97 9 P 34 14.10 1.1
 GLD 16.04 9 P 34 15.70 1.9
 1.8s 1025.64nm 5.7mb
 PRI 16.06 322 ePc 34 13.70 -0.4
 FRI 16.18 326 ePc 34 15.40 -0.1
 TUL 16.27 40 eP 34 13.70 -2.9X

	1.2s	234.70nm		5.2mb	PAG	44.58	91 eP	38 41.00	0.1				eScS	53 24.00		
Z	18s	39.75um		4.6Msz	BBL	44.92	92 eP	38 42.00	-1.6				ePS	54 10.00		
		eS	37 17.00		KLU	45.36	336 P	38 46.10	-0.5				eSS	58 58.00		
		LR	38 17.00		HON	45.55	277 P	38 49.00	0.6				eSSS	03 12.00		
		eLg	39 09.00		SLKM	46.48	333 eP	38 54.60	-0.8			MTE	82.72	49 eP	42 53.50	1.5
BONR	16.29	331 P	34 18.70	1.5	PMR	46.65	335 ePd	38 55.80	-0.8				i	43 09.00		
LLA	16.56	323 eP	34 19.80	-0.5		1.3s	156.60nm		5.9mb			MVO	82.74	48 eP	42 54.10	2.0
PRS	16.60	321 eP	34 19.70	-1.1			PcP	40 30.00				SOD	83.08	16 ePKP	42 53.00	-0.3
DAU	16.61	353 P	34 22.20	1.0	TRN	46.70	98 eP	38 53.60	-4.0X				eSKP	46 11.00		
DUG	16.63	349 P	34 22.90	1.6	INK	46.95	348 eP	38 57.30	-1.6			GRR	83.39	40 eP	42 55.30	0.1
SAO	16.95	322 eP	34 23.70	-1.5		1.0s	82.00nm		5.8mb				1.4s	156.85nm		6.0mb
CMB	17.33	327 ePc	34 29.70	-0.3	PT10	47.25	136 e(P)	39 03.00	1.1			FLN	83.43	39 eP	42 55.60	0.2
ARN	17.41	323 P	34 31.10	0.0	NNA	47.26	136 eP	39 02.00	-0.1				1.5s	370.85nm		6.4mb
GCC	17.44	322 eP	34 28.90	-2.5		1.1s	18.99nm		5.1mb			Z 18s	23.25um		6.6Msz	
MHC	17.47	323 ePc	34 30.60	-1.3	Z 20s	5.32um			5.5Msz			LPF	83.45	40 eP	42 55.80	0.3
PCC	17.99	322 ePc	34 39.20	1.0		eS		45 56.00					1.5s	208.95nm		6.1mb
BKS	18.18	323 ePc	34 40.45	-0.1	RSO	47.53	332 eP	39 02.70	-1.1			LDF	83.72	39 eP	42 57.10	0.2
	1.8s	839.00nm		5.6mb	FRB	47.72	23 eP	39 04.00	-1.0				1.6s	273.65nm		6.2mb
Z 20s		30.00um		4.7Msz		1.3s	248.00nm		6.1mb			EPLA	83.87	49 eP	42 58.12	0.2
N 20s		28.00um			PDB	47.83	331 P	39 04.40	-1.6			HFS	84.00	25 ePKP	42 59.20	1.1
E 20s		66.00um			FBA	48.17	339 P	39 07.30	-1.3				1.0s	24.00nm		5.4mb
		ec	35 16.90		SVW	49.07	332 ePd	39 13.80	-1.8			EEAL	84.48	51 eP	43 02.87	1.9
		e	35 32.25			1.0s	150.00nm		6.0mb			APA	84.51	14 ePc	43 01.80	1.3
		eS	38 12.45		IMA	50.85	338 P	39 27.20	-2.0			MFF	84.68	41 eP	43 02.00	0.2
		eLQ	38 51.85			1.2s	39.77nm		5.2mb				1.6s	99.50nm		5.8mb
		eLR	39 57.30		MBC	52.66	357 eP	39 41.00	-1.6			DBN	84.83	35 eP	43 04.00	1.7
BRK	18.19	323 ePc	34 39.70	-1.0		0.7s	77.00nm		5.7mb			Z 20s	7.50um		6.1Msz	
OLY	18.77	48 P	34 45.00	-2.8X	RKT	53.34	211 iP	39 51.40	3.2X				eS	53 36.00		
BLW06	18.83	358 iPd	34 47.10	-1.7		1.2s	55.00nm		5.4mb				e	59 00.00		
	1.8s	665.51nm		5.6mb	ARE	54.04	134 eP	39 49.00	-4.8X			GUD	84.93	48 iPc	43 06.43	3.1X
ORV	19.06	328 eP	34 50.70	-0.6		e		47 34.00				UCC	85.10	36 P+	43 10.00	6.3X
MIN	19.73	329 eP	34 58.50	-0.9		e		53 44.00					S	53 38.00		
WDC	20.35	328 eP	35 03.10	-2.6X	LPB	56.36	132 P	40 06.00	-4.9X			ECRI	85.11	45 iPc	43 05.78	1.7
RSSD	20.49	9 eP	35 06.40	-1.0	Z 20s	9.22um			5.9Msz			KUSJ	85.33	315 eP	43 01.20	-3.9X
		S	39 17.00			LR	54 06.00					TOL	85.35	48 iP+	43 02.00	-3.3X
		i	41 19.00		CNCB	56.63	132 P	40 09.00	-4.0X				ePP	46 29.00		
LPS	20.65	114 iPc	35 07.00	-2.1	PPN	57.35	228 iP	40 18.00	0.6				iS	53 39.00		
		iS	39 04.50			1.2s	60.00nm		5.5mb				ePS	54 30.00		
LBFM	20.65	330 P	35 08.10	-1.0	TVO	57.41	228 iP	40 18.70	0.8				iS	59 09.00		
FVM	20.88	44 eP	35 10.00	-1.2		1.2s	70.00nm		5.6mb			EHOR	85.45	51 eP	43 08.15	2.4
	1.3s	192.98nm		5.3mb	PAE	57.54	228 iP	40 19.60	0.9			DOU	85.60	36 P	43 07.10	0.8
		i	41 27.70			1.2s	55.00nm		5.5mb				1.0s	22.20nm		5.3mb
FHC	21.24	326 eP	35 13.90	-1.0	ADK	58.16	317 P	40 19.50	-3.1X			Z 20s	11.90um		6.3Msz	
ELC	21.26	47 P	35 14.40	-0.7		1.0s	110.00nm		5.9mb				e	43 13.00		
LRM	22.08	353 ePd	35 23.80	0.2	CCH	58.29	131 P	40 21.00	-3.4X				S	53 41.00		
GBTN	24.08	55 P	35 41.50	-1.5	SMY	63.78	319 P	41 10.00	9.3X				e	57 50.00		
TKL	24.41	56 P	35 44.30	-1.9	Z 20s	3.00um			5.5Msz			UPP	85.68	24 iP	43 06.70	0.2
LON	25.15	338 P	35 52.30	-1.0	DAG	66.85	15 eP	41 19.00	-1.3				iS	53 31.00		
NEW	25.23	346 ePd	35 53.20	-0.8		1.0s	19.00nm		5.2mb			WTS	85.73	34 eP	43 09.00	2.1
	1.8s	592.11nm		6.0mb	PEL	67.24	146 iP	41 19.00	-4.3X				1.1s	28.00nm		5.4mb
		ePP	36 46.50			1.4s	65.12nm		5.6mb			EPRU	85.84	51 eP	43 11.39	3.6X
RMW	25.77	339 P	35 58.00	-1.1	MDZ	68.00	145 eP	41 26.70	-1.4			AVE	85.86	55 eP	43 14.00	6.1X
SES	26.50	356 ePd	36 05.00	-0.8	AKU	68.65	26 iP	41 34.40	2.7X			LSF	85.86	41 eP	43 06.60	-1.1
	1.9s	1171.00nm		6.2mb		1.3s	53.85nm		5.6mb				1.0s	18.00nm		5.2mb
PNT	26.80	344 ePc	36 09.00	0.5	BAO	71.01	117 ePd	41 43.00	-4.0X			EJIF	85.90	52 iPd	43 12.69	4.6X
NAV	27.25	54 P	36 11.00	-1.8	PPD	71.99	125 eP	41 49.80	-2.9X			ENN	85.95	35 eP	43 08.50	0.5
PGC	27.35	338 eP	36 13.00	-0.5	KBS	72.20	10 eP	41 55.00	2.0				1.4s	109.00nm		5.8mb
BLA	27.49	55 eP	36 15.50	0.5	SOB1	73.77	108 eP	42 01.90	-1.4			LFF	86.04	42 eP	43 07.90	-0.7
	0.9s	52.89nm		5.3mb		e	42 10.20						1.0s	20.00nm		5.2mb
CLE	28.53	46 iP	36 24.50	0.2		e	42 19.70					MEM	86.08	36 P	43 09.70	1.1
DLA	29.20	43 P	36 33.00	2.7X	LPA	75.67	139 eP+	42 16.00	2.3			ASAJ	86.15	317 eP	43 08.40	-0.8
ELF	29.54	43 P	36 34.90	1.6	Z 20s	5.67um			5.9Msz			TCF	86.24	41 eP	43 08.30	-1.3
LDN	29.54	43 P	36 34.90	1.6	CAI	75.86	104 eP	42 13.40	-1.8				1.0s	20.00nm		5.3mb
WVLY	30.94	46 P	36 45.10	-0.7	DMU	77.55	36 eP	42 27.00	3.0X			RJF	86.33	42 eP	43 09.00	-1.0
FFC	31.16	7 eP	36 46.00	-1.5	DLF	77.99	37 eP	42 27.00	0.6				1.0s	20.00nm		5.3mb
	1.6s	163.00nm		5.7mb	EKA	78.93	34 P	42 33.00	1.4			Z 18s	18.75um		6.5Msz	
UPA	31.45	113 eP+	36 48.40	-2.0		1.3s	23.50nm		5.1mb			LPO	86.44	42 eP	43 09.60	-1.0
Z 18s		29.55um		6.0Msz	STS	80.99	47 eP	42 43.66	0.8				1.1s	22.00nm		5.3mb
LVNJ	32.88	51 P	37 00.20	-2.6	KEV	81.35	14 iPKP	42 46.00	1.8			BGF	86.48	40 eP	43 09.50	-1.3
GMTN	33.32	51 iP	37 05.90	-0.7		1.1s	43.20nm		5.4mb				1.0s	22.00nm		5.3mb
TXNY	33.42	51 iP	37 06.60	-0.8	Z 22s	8.20um			6.0Msz			MAF	86.49	40 eP	43 09.70	-1.1
BNH	36.66	46 P	37 35.00	-0.1		eSKP	46 11.00						1.0s	21.00nm		5.3mb
PSO	37.74	122 eP	37 44.00	-1.0		e	52 56.00					MAL	86.54	51 eP	43 11.50	0.3
BMG	37.91	110 iPc	37 47.00	1.0		e	58 08.00						iS	53 40.00		
FUO	38.17	113 eP	37 44.00	-4.5X		LR	16 12.00					SSF	86.60	39 eP	43 10.30	-1.0
BOG	38.35	115 iPc	37 51.00	1.5	EMON	81.58	46 iPd	42 48.08	2.1				1.2s	55.05nm		5.6mb
		iS	43 53.00		PTO	81.68	49 eP	42 48.70	2.2			AVF	86.66	40 eP	43 10.00	-1.6
SIT	38.37	337 P	37 50.00	0.8		e(S)	53 00.00						1.3s	39.70nm		5.5mb
	1.1s	62.50nm		5.3mb	ERUA	82.14	47 eP	42 50.35	1.4			LOR	86.70	39 eP	43 10.80	-1.0
Z 20s		15.00um		5.8Msz	LIS	82.29	51 eP	42 48.00	-1.7				1.3s	61.35nm		5.7mb
SDV	39.17	106 iPd	37 54.70	-2.0	NAO	82.45	26 P	42 49.00	-1.1			Z 18s	25.00um		6.7Msz	
TOV	39.51	104 eP	37 57.20	-2.2		1.2s	44.70nm		5.5mb			EGRA	86.73	45 eP	43 16.36	4.3X
CAR	41.77	101 eP	38 15.30	-2.7X	YAK	82.62	336 iPd	42 49.20	-1.8			EPF	86.74	44 eP	43 11.20	-1.0
SCH	43.63	34 eP	38 32.00	-0.6			ePcP	42 54.00					1.1s	12.20nm		5.0mb
	1.2s	107.00nm		5.5mb			ePP	46 00.00				CAF	86.86	42 eP	43 11.30	-1.4
BALM	43.75	337 eP	38 33.20	-0.5			ePPP	48 10.00					1.3s	27.10nm		5.3mb
BPA	44.12	90 eP	38 37.00	0.0			eS	53 10.00				ECOG	86.88	51 eP	43 13.77	0.7

AFC	86.91	51 eP	43 15.49	2.3	MDJ	93.60	323 eP	43 44.50	0.3		1.2s	45.00nm		
LBF	86.92	39 eP	43 11.60	-1.3	Z	22s	1.90um		5.5msz		GKN	126.84	345 PKP	49 32.00 -0.8
	1.1s	41.50nm		5.6mb	N	14s	1.70um				1.2s	39.00nm		
EVIA	86.99	49 eP	43 15.03	1.5	E	14s	0.87um				KKN	126.89	345 PKP	49 31.00 -2.0
TIO	87.01	58 iP	43 15.50	1.7	MNK	93.75	24 eP	43 42.00	-2.7X		1.2s	39.00nm		
SMF	87.02	40 eP	43 11.80	-1.6			eSKS	54 18.00			PKI	127.07	344 PKP	49 30.40 -3.1X
	1.1s	23.20nm		5.3mb	ARV	94.09	38 P	43 47.00	0.5		1.3s	43.00nm		
EGUA	87.09	51 eP	43 18.84	4.9X	VBY	94.10	36 e(P)	43 48.00	1.5		DMN	127.11	345 PKP	49 31.00 -2.5
EHUE	87.31	50 iPd	43 17.00	1.9	SPC	94.13	31 eP	43 46.10	-0.7		NDI	127.41	354 ePKP	49 34.00 0.3
NUR	87.69	21 ePKP	43 18.00	1.7	SRO	94.14	33 eP	43 46.70	0.1		CHG	129.77	325 ePKPd	49 39.00 0.6
	1.0s	34.00nm		5.6mb			e	48 07.60			1.1s	13.61nm		
Z	18s	6.90um		6.1msz	ASS	94.20	39 P	43 47.40	0.3		MAW	135.98	175 ePKP	49 50.00 1.3
		i	44 13.60		ZAG	94.28	35 eP	43 49.00	1.7		FRS	138.64	108 ePKP	49 48.00 -6.9X
		eSKP	46 42.00		DZM	94.40	248 iPc	43 49.80	1.6		1.3s	38.46nm		
		e	53 44.00		MNS	94.63	39 P	43 50.30	1.2		BUL	140.22	93 iPKPc	50 10.70 12.5X
		e	59 44.00		TSRJ	95.03	312 P	43 47.80	-3.1X		1.0s	11.00nm		
		LR	19 40.00		LVV	95.40	29 eP	44 00.00	7.6X			iPKP	50 26.00	
HAU	87.71	38 eP	43 15.40	-1.3			eSKS	54 29.00			KRI	140.26	88 iPKPc	50 03.00 4.7X
	1.3s	36.10nm		5.5mb	UZH	95.48	30 eP	43 53.00	0.3		SEK	140.56	106 ePKP	49 49.20 -9.4X
Z	18s	27.50um		6.7msz	SDI	95.72	39 P	43 54.40	0.3		1.0s	20.00nm		
EROQ	87.89	46 eP	43 19.28	1.6	DBN	95.84	19 eP	43 55.00	0.7		SLR	140.90	102 iPKPc	49 46.00 -13.3X
EBR	87.94	46 (P)	43 16.00	-1.9							1.5s	50.00nm		
		eS	54 04.00		Z	22s	9.90um		6.2msz		Z	20s	3.55um	6.1msz
CDF	88.00	37 eP	43 16.80	-1.3	N	20s	6.90um				MTD	142.05	87 iPKPd	50 00.00 -1.5
BSF	88.06	38 eP	43 16.90	-1.6	E	20s	3.80um					iPKP	50 26.00	
	1.4s	34.85nm		5.5mb			e	44 03.00				i	51 10.00	
ETER	88.71	44 eP	43 23.05	1.5			ePP	47 57.00			GBA	142.26	350 PKPc	49 59.80 -1.9
MOX	88.96	33 eP	43 23.30	0.7			iSKS	54 30.00			0.9s	5.60nm		
	1.9s	68.00nm		5.6mb			eS	55 04.00			S.D. = 1.3 on 223 of 273 obs.			
Z	21s	13.00um		6.3msz			ePS	56 30.00						
N	18s	8.30um					eSS	01 38.00						
RSL	89.16	39 P	43 23.80	-0.1			iSSS	05 26.00						
CLL	89.24	32 eP	43 22.00	-1.9			eSSS	09 00.00						
	1.7s	44.00nm		5.4mb			LR	19 00.00						
Z	18s	5.50um		6.0msz	CN2	96.40	324 eP	43 58.00	0.9					
		eS	54 19.00		Z	20s	4.70um		6.0msz					
LPL	89.32	39 eP	43 24.00	-0.7	N	15s	1.70um				UPA	3.50	104 iP	54 27.00 0.7
LPG	89.34	39 eP	43 24.30	-0.6	E	15s	0.60um					S	55 07.00	
	1.7s	113.95nm		5.9mb			ePP	44 05.00	22kmX		SDV	12.22	93 eP	56 27.80 -0.2
BNI	89.55	40 P	43 27.50	1.8			ePP	47 52.00			TOV	13.00	89 eP	56 37.70 -0.6
CDR	89.77	41 eP	43 28.70	2.1			SKS	54 30.00			PBJ	13.76	300 (P)	56 47.50 -0.8
BRG	89.98	32 iP	43 28.10	0.7			eS	55 10.00			PPM	17.70	303 (P)	57 41.00 1.4
	1.3s	23.00nm		5.2mb	TDS	98.50	40 P	44 08.20	1.6		JSC	24.39	3 eP	58 52.10 1.9
		e	43 48.60		SNY	98.75	323 Pd	44 07.00	-0.6		BLA	27.36	4 eP	59 23.00 5.0X
ESEL	90.06	46 eP	43 30.36	2.4			S	55 38.00			1.0s	8.00nm		4.4mb
DOI	90.19	40 P	43 31.50	2.9							TUL	28.46	338 eP	59 27.20 -0.7
SBF	90.67	41 eP	43 29.10	-1.7							1.6s	34.30nm		4.9mb
	1.6s	68.40nm		5.7mb	MLR	99.48	31 ePd	44 08.00	-3.1X		MEO	28.65	333 e(P)	59 31.00 1.3
PRU	90.84	33 eP	43 31.00	-0.4	VRI	99.55	30 ePc	44 12.00	0.7		FVM	28.83	348 eP	59 30.20 -1.0
	1.7s	27.90nm		5.3mb	SKO	99.79	35 eP	44 05.70	-6.7X		1.0s	12.00nm		4.6mb
Z	19s	11.70um		6.3msz							ANMO	32.94	323 eP	00 08.00 0.2
N	18s	5.80um									SIV	33.59	140 iP	00 12.80 -0.7
E	18s	8.30um									GOL	35.82	330 iP	00 31.50 -1.1
		e	43 36.00				iPcP	44 11.60			1.0s	15.00nm		4.8mb
		e	43 54.00				i	52 10.00			RSSD	38.74	336 iP	00 57.20 0.1
		PP	47 25.00				i	52 30.00			1.0s	13.56nm		4.6mb
		S	54 04.00				i	53 39.00			BW06	40.21	329 iP	01 10.00 0.7
KHC	90.90	34 P	43 30.00	-1.7			iS	54 49.00			1.0s	6.25nm		4.2mb
	1.5s	8.90nm		4.9mb			iPS	55 47.00			TNP	41.66	318 eP	01 22.50 1.2
Z	17s	9.30um		6.3mszX			i	57 15.00			0.9s	1.76nm		3.8mb
N	20s	7.80um					i	58 11.00			ORV	45.28	317 eP	01 51.40 1.0
E	22s	8.30um					iSS	00 35.00			FFC	47.26	345 eP	02 05.00 -0.8
		e	43 39.50				i	01 55.00			0.9s	12.00nm		5.0mb
		S	54 05.00				i	05 17.00			NEW	47.84	330 eP	02 09.50 -1.0
KSP	91.13	31 eP	43 33.00	0.3			LR	22 47.00			1.0s	2.75nm		4.3mb
NIJ	92.06	312 P	43 37.10	-0.1	OHR	100.04	36 ePd	44 13.20	-0.4		PNT	49.78	329 eP	02 25.00 -0.4
MME	92.39	39 P	43 40.50	1.6	WMQ	110.97	347 PKP	48 58.00	-3.8X		0.8s	10.00nm		4.9mb
CHJJ	92.70	311 P	43 41.60	1.4							YKA	57.33	343 eP	03 18.70 -2.3
MAT	92.97	312 eP	43 40.00	-1.5			PP	49 36.50			1.0s	3.00nm		4.3mb
	1.2s	67.19nm		5.9mb	NRN	114.85	356 iPKP	49 09.00	-0.7		INK	67.03	342 eP	04 25.00 -0.7
Z	20s	3.55um		5.8msz			iS	59 49.00			MBC	69.24	351 eP	04 38.00 -1.4
		eS	54 45.00				ePKP	49 07.00	-6.2X		1.0s	6.00nm		4.7mb
VOY	93.03	36 e(P)	43 46.00	4.3X							EKA	76.20	35 Pd	05 22.90 2.1
TRI	93.16	36 eP	43 47.10	5.0X			ePP	50 20.00			1.2s	8.60nm		4.7mb
		eSKS	54 16.00		CD2	117.31	329 ePKP	49 14.00	-0.3		NAO	83.36	29 P	05 59.10 0.0
		eLR	18 20.00								1.0s	3.70nm		4.5mb
SFI	93.21	39 P	43 43.40	1.0							CLL	86.13	39 eP	06 16.00 2.8X
MTMJ	93.22	312 P	43 43.50	0.8			ePKPab	50 15.50			KHC	86.91	41 P	06 20.00 2.8X
ZST	93.29	33 e(P)	43 52.00	9.3X	MAIO	119.06	11 ePKP	49 18.00	0.5		GKN	140.53	17 PKP	13 05.00 2.0
		e	47 12.80				eS	00 31.00			KKN	140.92	17 PKP	13 03.00 -0.8
LJU	93.37	36 eP	43 44.00	0.9							0.9s	20.00nm		
KRA	93.38	30 eP	43 43.00	0.0	WB2	121.93	261 ePKP	49 18.70	-4.6X		GUN	140.97	16 PKP	13 00.40 -3.7X
	1.9s	10.60um		6.3msz	WRA	121.94	261 PKP	49 22.00	-1.3		PKI	141.16	17 PKP	12 59.80 -4.6X
Z	19s	11.40um									ASPA	142.22	244 ePKP	12 59.40 -6.6X
E	19s										1.0s	5.50nm		
		e	54 18.00											
CRE	93.45	39 P	43 45.50	1.8	QUE	126.03	5 ePKP	49 30.50	-0.8		WB2	142.62	250 ePKP	12 54.90 -11.8X
CEY	93.50	36 e(P)	43 45.20	1.4	GUN	126.63	344 PKP	49 32.40	-0.3		WRA	142.63	250 PKP	13 07.00 0.3

22d 02h

0.9s 2.50nm
GBA 149.68 40 PKPd 13 17.80 -0.5
0.7s 2.70nm
S.D. = 1.2 on 28 of 35 obs.

& JUN 22, 1991 02h 34m 11.87s
60.436 N 152.315 W
DEPTH = 106.8km
4.0mb (8 obs.)
SOUTHERN ALASKA
<AEIC>.

RDT	0.15	342	iPd	34	26.33	0.9
			eS	34	37.85	
REF	0.20	286	iPc	34	26.60	0.9
RSO	0.22	277	iPc	34	26.63	0.8
RDN	0.24	290	ePd	34	26.51	0.7
DFR	0.24	311	iPd	34	26.55	0.8
RDW	0.25	281	ePd	34	26.43	0.5
NCT	0.33	293	ePd	34	26.69	-1.1
			eS	34	39.06	
NKA	0.61	59	iPc	34	30.73	1.3
NNL	0.64	127	iPc	34	30.07	0.4
SPU	0.76	10	iPd	34	29.98	-0.8
			eS	34	44.11	
CKL	0.76	359	iPd	34	30.09	-0.8
BGL	0.83	357	iPd	34	30.88	-0.6
CRP	0.84	5	iPd	34	30.97	-0.7
HOM	0.85	156	iPd	34	31.26	-0.3
CGLM	0.89	10	iPd	34	31.30	-0.7
NCG	0.97	4	iPd	34	32.14	-0.8
BRLLK	0.98	133	ePc	34	32.01	-0.9
XLV	1.03	163	iPd	34	32.31	-1.1
			eS	34	48.25	
SLKM	1.04	85	iPc	34	32.59	-1.0
CNPM	1.06	149	iPc	34	32.99	-0.8
			iS	34	49.11	
PDB	1.14	236	iPc	34	33.42	-1.2
			eS	34	49.89	
AUE	1.20	207	iPd	34	34.17	-1.2
AUH	1.22	208	iPd	34	34.65	-0.9
AUI	1.24	207	iPd	34	34.58	-1.2
			eS	34	52.13	
SUA	1.29	36	iPd	34	36.01	-0.4
			iS	34	55.37	
SEW	1.47	102	iPc	34	37.12	-1.3
PMS	1.57	58	iPc	34	38.90	-0.9
SKT	1.60	13	iPd	34	39.00	-1.1
			eS	34	59.99	
MCNL	1.62	220	iPd	34	38.91	-1.4
			eS	34	59.15	
CDD	1.65	205	iPd	34	39.13	-1.7
PWA	1.70	43	iPd	34	40.48	-0.9
SVW	1.76	294	iPc	34	40.37	-1.8
			eS	35	02.33	
SYI	1.83	181	iPd	34	41.72	-1.3
PLRM	1.94	52	iPd	34	42.55	-1.8
PMR	1.94	52	P	34	42.60	-1.7
GHO	2.12	49	iPd	34	45.21	-1.7
			eS	35	12.13	
KNK	2.12	61	iPc	34	44.99	-1.9
CUT	2.21	26	ePd	34	46.76	-1.1
LTJ	2.26	98	iPc	34	46.19	-2.4
KNIM	2.28	90	iPc	34	45.83	-3.0
SML	2.37	53	ePd	34	48.25	-1.9
GLI	2.61	78	iPc	34	49.80	-3.5
KDC	2.70	182	iPd	34	51.33	-3.1
SCM	2.80	58	ePc	34	53.87	-2.0
HUR	2.85	25	ePd	34	55.00	-1.5
HIN	2.88	88	ePc	34	53.75	-3.2
			S	35	27.51	
VZW	2.90	75	iPc	34	54.18	-3.0
VLZ	3.02	74	ePc	34	55.97	-2.7
			S	35	30.91	
TTA	3.06	326	iPd	34	57.94	-1.5
MID	3.17	106	ePc	34	59.19	-1.6
CVA	3.25	85	ePc	34	58.53	-3.3
			eS	35	37.23	
KLU	3.29	68	iPc	35	00.04	-2.5
RND	3.40	27	eP	35	01.78	-2.2
TOA	3.41	58	ePc	35	02.53	-1.6
SGAM	3.52	86	ePc	35	02.04	-3.5
MCK	3.67	24	ePd	35	06.65	-1.0
TZL	3.70	61	eP	35	07.68	-0.4
RAGM	3.79	87	ePc	35	05.49	-3.8
SDG	3.87	54	eP	35	08.60	-1.7
BWN	3.98	18	eP	35	10.61	-1.2

HMT	4.00	88	eP	35	09.49	-2.7
PAX	4.13	49	ePd	35	12.34	-1.7
GLB	4.27	73	iPc	35	13.01	-2.9
THY	4.31	43	eP	35	12.93	-3.4
NEA	4.42	18	eP	35	14.88	-3.0
WRH	4.50	24	ePd	35	16.07	-2.9
CROM	4.54	82	eP	35	17.92	-1.7
TGL	4.69	82	eP	35	19.66	-2.0
WAX	4.69	86	eP	35	17.86	-3.8
CCB	4.71	24	eP	35	18.98	-2.9
RDS	4.81	22	ePd	35	20.80	-2.4
MDM	4.91	21	ePd	35	21.49	-3.2
BALM	4.93	79	iPc	35	21.77	-3.2
FBA	4.94	23	ePd	35	21.94	-3.1
GLM	5.10	24	ePd	35	24.24	-3.0
CTGM	5.42	80	ePc	35	30.06	-1.8
IMA	5.69	354	ePd	35	32.47	-3.0
SIT	9.45	104	P	36	23.30	-3.2
INK	11.28	38	P	36	47.00	-3.9
	0.4s	2.20nm			4.3mb	
YKA	17.96	67	eP	38	13.00	-2.7
	0.5s	4.30nm			3.9mb	
MBC	19.49	23	eP	38	28.50	-3.8
	0.5s	10.00nm			4.4mb	
MCW	20.55	112	eP	38	43.50	0.0
PNT	21.61	106	eP	38	54.00	0.0
	0.6s	5.00nm			4.0mb	
BMW	22.01	116	eP	38	58.50	0.4
NEW	23.53	105	eP	39	12.50	-0.3
	0.9s	4.93nm			3.9mb	
SES	25.07	95	eP	39	26.00	-1.5
RSSD	32.85	98	eP	40	35.50	-1.6
MSU	33.29	113	eP	40	40.30	-0.8
ANMO	38.84	110	eP	41	26.70	-1.2
	1.1s	7.91nm			4.5mb	
ALO	38.84	110	eP	41	27.00	-1.0
	0.8s	0.93nm			3.7mb	
FVM	44.21	92	eP	42	09.10	-2.4
NAO	58.37	10	P	43	52.70	-4.8
	0.7s	0.50nm			3.7mb	
	92 obs.	associated				

* JUN 22, 1991 04h 12m 56.37±0.91s
60.759 N ±21.7km 166.393 E ±7.2km
DEPTH = 33.0km (normal)
4.3mb (8 obs.)
EASTERN SIBERIA (671)

YAK	17.46	290	iPc	17	00.00	1.4
			ePp	17	30.00	
			ePP	18	12.00	
			eS	22	16.00	
			e	22	38.00	
			iS	22	59.00	
			eSS	24	06.00	
			e	24	56.00	
SVW	18.29	72	eP	17	10.00	1.1
RSO	19.83	73	eP	17	28.10	1.1
FBA	20.95	59	eP	17	36.80	-1.5
	1.2s	15.15nm			4.3mb	
SLKM	21.00	72	eP	17	37.70	-1.2
BALM	24.42	67	eP	18	13.50	0.8
INK	25.88	48	eP	18	21.50	-4.7X
			pP	18	52.00	147kmX
MBC	28.63	29	eP	18	51.00	-0.2
YKA	35.41	52	eP	19	46.00	-4.6X
	0.8s	1.90nm			4.1mb	
BJI	36.93	259	eP	20	02.50	-1.0
PNT	41.64	71	eP	20	43.00	0.4
	0.4s	3.00nm			4.4mb	
SES	44.76	64	eP	21	08.00	-0.1
FFC	45.45	54	eP	21	13.00	-0.4
	0.7s	10.00nm			4.8mb	
TNP	51.23	80	eP	21	59.00	0.3
	1.0s	2.00nm			4.0mb	
RSSD	52.63	65	eP	22	09.10	-0.1
	1.0s	4.88nm			4.4mb	
NAO	57.29	346	P	22	41.60	-1.0
	0.7s	1.60nm			4.2mb	
HFS	57.60	344	eP	22	45.10	0.4
	0.7s	2.80nm			4.4mb	
	S.D. = 1.0	on 15 of 17 obs.				

? JUN 22, 1991 04h 19m 27.46±2.77s
22.483 S ±21.9km 148.266 E ±22.6km
DEPTH = 10.0km (geophysicist)
QUEENSLAND, AUSTRALIA (594)

ML 3.4 (RMO).

RMO	4.01	174	iPn	20	31.20	0.9
			ePg	20	41.80	
			iSn	21	18.50	
			iSg	21	32.00	
OLP	5.49	221	ePn	20	53.00	1.7
			iPg	21	12.30	
			eS	22	19.00	
OIS	8.29	282	ePn	21	30.00	-0.6
			ePg	22	00.00	
			iSn	23	01.00	
			iSg	23	55.70	
COO	8.69	159	e(P)	21	36.00	-0.2
			e	22	39.00	
			i	24	13.50	
CMS	9.23	193	ePn	21	43.00	-0.5
			ePg	22	41.00	
			eSn	23	32.00	
			eSg	24	14.00	
STK	11.08	211	eP	22	07.10	-1.9
	0.7s	2.00nm			4.6mb X	
WB2	13.22	278	eP	22	38.50	0.6
			eS	26	07.90	
	S.D. = 1.5	on 7 of 7 obs.				
& JUN 22, 1991 04h 28m 16.94s						
59.345 N 152.135 W						
DEPTH = 73.2km						
SOUTHERN ALASKA						(2)
<AEIC>.						
XLV	0.24	62	iPc	28	27.60	-0.7
			eS	28	36.16	
HOM	0.40	38	iPc	28	29.05	-0.3
			iS	28	38.50	
CNPM	0.49	68	iPc	28	29.67	-0.5
			eS	28	39.27	
AUE	0.63	272	iPc	28	30.98	-0.6
AUI	0.66	270	iPc	28	31.21	-0.7
			eS	28	41.54	
AUH	0.67	272	iPc	28	31.42	-0.6
			iS	28	42.95	
SYI	0.75	190	iPd	28	32.16	-0.6
			eS	28	43.72	
BRLLK	0.76	56	ePc	28	32.29	-0.7
			eS	28	43.86	
NNL	0.82	31	iPc	28	33.94	0.3
CDD	0.88	242	ePc	28	33.44	-1.0
PDB	1.14	294	iPc	28	36.20	-1.4
			eS	28	51.21	
MCNL	1.14	263	iPc	28	36.16	-1.5
			eS	28	51.50	
RSO	1.16	345	iPc	28	37.58	-0.7
RS2	1.16	345	iPd	28	37.46	-0.7
REF	1.18	346	iPd	28	37.67	-0.7
RDW	1.19	344	iPd	28	37.72	-0.8
RDN	1.21	345	iPd	28	38.03	-0.7
			eS	28	53.57	
RDT	1.24	354	iPd	28	38.10	-0.9
			eS	28	54.42	
DFR	1.28	348	iPd	28	38.78	-0.8
NCT	1.28	342	iPd	28	38.82	-0.8
			eS	28	55.91	
NKA	1.47	17	iPd	28	43.03	1.0
SLKM	1.51	39	ePc	28	42.00	-0.6
SEW	1.56	60	ePc	28	41.95	-1.2</

0.5s	192.15nm			MSU	15.07	349 P	21	50.60	-0.1	COO	24.43	225 iPd	04	46.80	0.3		
KNK	2.76	40 ePd	28	58.54	-1.3	GOL	16.14	9 P	22	04.40	-0.2	CTA	24.94	253 iPc	04	51.00	0.0
GHO	2.91	32 ePd	29	00.37	-1.5		1.2s	20.08nm		4.1mb			0.8s	26.12nm		4.9mb	
GLI	2.96	56 iPc	29	00.06	-2.4	TNP	16.14	334 P	22	04.70	0.1	CTAO	24.94	253 iPc	04	51.00	0.0
MID	2.97	86 eP	29	01.11	-1.5	GLD	16.21	9 P	22	06.50	1.1		0.8s	26.34nm		4.9mb	
HIN	3.03	67 ePc	29	01.73	-1.8		1.4s	52.70nm		4.5mb		NGZ	25.17	173 P	04	52.60	-0.4
SML	3.10	36 eP	29	03.06	-1.5	PRI	16.25	322 ePd	22	04.50	-1.4	CNZ	25.18	173 P	04	52.80	-0.3
CUT	3.20	16 eP	29	04.75	-1.2	TUL	16.36	39 eP	22	03.80	-3.4X	MNG	26.58	173 P	05	02.30	-2.8X
VZW	3.27	56 ePc	29	04.81	-2.2		1.6s	60.20nm		4.5mb			0.3s	27.00nm		5.4mb	
VLZ	3.40	56 eP	29	06.88	-1.8	Z	20s	0.87um		4.1MsZx		DIW	26.62	176 P	05	04.70	-0.8X
		eS	29	44.57				LR	26	46.00		KIW	26.76	174 P	05	04.10	-2.6X
CVA	3.43	67 eP	29	06.83	-2.3	FRI	16.38	326 ePd	22	09.10	1.8	CAW	27.02	174 P	05	06.50	-2.4X
SCM	3.44	41 ePc	29	08.21	-1.2	BONR	16.49	332 P	22	12.20	3.2X	TCW	27.06	176 P	05	07.70	-1.5X
SGAM	3.68	69 ePc	29	10.26	-2.3	PRS	16.79	321 eP	22	13.60	1.1	MRW	27.11	175 P	05	07.60	-2.0X
KLU	3.76	52 eP	29	12.03	-1.8	DAU	16.80	353 P	22	12.50	-0.5	MTW	27.11	174 eP	05	07.00	-2.7X
HUR	3.84	17 eP	29	14.11	-0.8	DUG	16.82	348 P	22	13.80	0.7	BLW	27.32	174 eP	05	09.20	-2.3X
RACM	3.90	71 eP	29	13.90	-1.9	CMB	17.52	327 ePd	22	21.60	-0.2	MOW	27.35	174 eP	05	09.20	-2.6X
TOA	4.03	44 ePc	29	16.70	-0.9	BW06	19.02	358 P	22	38.70	-1.8	THZ	27.53	178 P	05	12.90	-0.5X
HMT	4.10	73 eP	29	16.59	-1.9		1.4s	28.27nm		4.3mb		KHZ	28.21	177 P	05	16.80	-2.3X
		S	30	00.67		ORV	19.25	328 eP	22	42.20	-0.9		0.3s	84.00nm		5.8mb	
TZL	4.27	48 eP	29	19.64	-1.2	MIN	19.92	329 eP	22	47.50	-3.2X	OLP	28.43	240 iPc	05	21.10	-0.1
RND	4.37	20 ePc	29	20.74	-1.7	WDC	20.55	328 eP	22	59.40	2.3		0.2s	154.00nm		6.3mb	X
SDG	4.53	42 eP	29	22.79	-1.8	RSSD	20.66	9 P	22	55.00	-3.6X	LTZ	28.53	179 P	05	20.20	-1.7X
GLB	4.63	59 ePc	29	23.59	-2.5		1.2s	17.86nm		4.3mb		BWA	29.11	222 eP	05	25.60	-1.4
MCK	4.66	18 eP	29	25.03	-1.4	LBFM	20.85	331 P	22	59.30	-1.2	CMS	29.26	230 iPc	05	28.40	0.1
CROM	4.73	69 eP	29	25.21	-2.3	FHC	21.43	326 eP	23	08.50	2.3		0.4s	48.00nm		5.5mb	
WAX	4.80	73 eP	29	26.00	-2.5	LRM	22.28	353 eP	23	14.10	-0.8	CAN	29.30	220 eP	05	28.90	0.3
PAX	4.86	39 ePd	29	26.90	-2.4	GBTN	24.13	55 P	23	33.50	0.7	MSZ	30.58	185 eP	05	39.40	0.3
TGL	4.87	69 eP	29	27.07	-2.4	TKL	24.46	55 P	23	36.60	0.6	QIS	31.18	254 iPc	05	44.30	-0.3
BALM	5.17	67 eP	29	30.76	-2.9	PRM	25.01	60 P	23	42.20	0.8		0.5s	43.00nm		5.3mb	
WRH	5.49	19 eP	29	35.24	-2.7	NEW	25.43	346 P	23	43.90	-1.3	STK	32.63	232 iPc	05	57.30	0.6
CTGM	5.63	69 eP	29	38.28	-1.8		1.2s	24.62nm		4.8mb			0.4s	70.80nm		5.6mb	
CCB	5.70	19 eP	29	37.71	-3.1	JSC	25.95	60 P	23	52.00	1.9		i		06	05.50	
RDS	5.81	17 eP	29	39.89	-2.5	LHS	26.36	60 P	23	50.80	-3.1X		i		11	11.10	
MDM	5.92	16 eP	29	41.29	-2.7	SES	26.70	356 eP	23	55.00	-1.9	BFD	34.58	223 iPc	06	13.00	0.3
FBA	5.93	18 iPc	29	41.50	-2.6	NAV	27.31	54 P	24	02.80	0.2	TAU	35.48	211 eP	06	21.00	1.1
GLM	6.08	19 eP	29	43.42	-2.8	FFC	31.33	7 eP	24	37.00	-1.4	WB2	36.05	256 iPc	06	24.10	-0.9
PNL	6.49	82 iPc	29	49.32	-2.6	YKA	38.97	355 eP	25	40.80	-2.8X		eS		11	20.20	
	74 obs. associated						1.1s	6.80nm		4.2mb		ASPA	36.83	249 iPc	06	31.10	-0.3
						INK	47.15	348 eP	26	47.50	-2.3X		0.4s	142.90nm		5.9mb	
						MBC	52.85	357 ePc	27	31.00	-2.4X		e		11	24.40	
							1.1s	23.00nm		5.0mb			eS		11	31.00	
						ZOBO	55.98	131 P	27	57.00	-0.7	PAE	37.42	101 iP	06	35.80	-0.4
						SIV	60.85	126 iPd	28	30.10	-1.0		0.8s	15.00nm		4.6mb	
						YAK	82.82	336 eP	30	39.00	-2.4X	PPT	37.43	100 iP	06	36.20	-0.1
						GRR	83.49	40 eP	30	51.80	6.7X		0.8s	20.00nm		4.7mb	
						FLN	83.53	39 eP	30	52.10	6.8X	PPN	37.57	100 iP	06	37.20	-0.2
							1.4s	56.65nm		5.6mb			0.8s	20.00nm		4.7mb	
						Z	21s	0.13um		4.3MsZ		TVO	37.74	101 iP	06	38.70	-0.1
						LPF	83.55	40 eP	30	52.00	6.6X		0.8s	60.00nm		5.2mb	
						LDF	83.82	39 eP	30	53.50	6.7X	PMO	39.14	96 iP	06	50.50	0.3
							1.4s	43.55nm		5.5mb			0.8s	45.00nm		5.0mb	
						TCF	86.34	41 eP	31	05.50	6.0X	MTN	39.37	267 iPd	06	52.00	0.0
						SSF	86.70	39 eP	31	06.40	5.2X		0.4s	46.00nm		5.3mb	
							0.9s	4.90nm		4.7mb		VAH	39.38	97 iP	06	52.10	0.0
						LOR	86.80	39 eP	31	07.00	5.3X		0.8s	40.00nm		5.0mb	
							1.0s	10.00nm		5.0mb		TPT	39.41	96 iP	06	52.50	0.2
						Z	19s	0.15um		4.4MsZ			0.8s	30.00nm		4.9mb	
						LBF	87.02	39 eP	31	07.80	5.0X	RUV	39.62	97 iP	06	54.10	0.1
							1.0s	8.00nm		4.9mb			0.8s	60.00nm		5.1mb	
							S.D. = 1.2	on 30 of 55 obs.				WARB	43.69	247 iPc	07	26.60	0.7
													0.3s	38.00nm		5.3mb	
						? JUN 22, 1991 07h 24m 41.84± 6.40s						COOL	49.10	241 eP	08	05.50	-1.3
						36.824 N ±89.5km 50.022 E ±93.7km						RKT	51.14	108 iP	08	20.80	-1.0
						DEPTH = 33.0km (normal)							1.1s	40.00nm		4.7mb	
						IRAN (348)						KLB	52.06	241 iPc	08	32.20	3.9X
													0.5s	28.00nm		4.9mb	
						IR7	1.22	157 iPc	25	02.00	-0.7	NWAO	52.67	239 iPc	08	31.90	-0.7
						IR1	1.51	159 iPc	25	06.70	-0.2	BAL	52.86	242 eP	08	33.10	-0.9
						IR5	1.67	164 eP	25	09.50	0.2	MRWA	53.37	244 eP	08	36.70	-0.9
						IR4	1.74	155 iPc	25	11.00	0.7		0.3s	6.00nm		4.4mb	
						TAB	3.19	294 eP	25	31.00	0.0	MUN	53.42	241 eP	08	37.40	-0.5
							S.D. = 0.8	on 5 of 5 obs.				CHTO	78.72	293 iP	11	14.10	0.9
													0.9s	6.39nm		4.1mb	
						JUN 22, 1991 08h 00m 12.60± 0.50s						PCC	80.41	47 ePd	11	21.30	-0.3
						14.156 S ± 5.1km 171.629 E ± 3.3km						GCC	80.48	48 eP	11	21.70	-0.2
						DEPTH = 629.1 ± 7.3 km						PRS	80.64	49 ePd	11	23.00	0.2
						5.0mb (24 obs.)						BRK	80.66	47 e(P)	11	22.60	-0.2
						VANUATU ISLANDS REGION (185)						BKS	80.68	47 e(P)	11	22.80	-0.2
													0.9s	56.00nm		5.1mb	
						DZM	9.29	211 iPc	02	27.10	1.7	SAO	80.77	48 e(P)	11	23.00	-0.4
								iS	04	17.30		FHC	80.78	44 e(P)	11	23.60	0.1
						HNR	12.36	291 eP	02	55.00	0.2	SYF	80.92	51 eP	11	24.00	-0.4
						SVO	12.59	292 eP	02	57.00	0.0	PRI	81.07	49 ePd	11	25.60	0.4
						VSG	12.64	291 eP	02	57.00	-0.5	WDC	81.66	45 ePd	11	27.80	-0.1
						BRS	21.96	230 iPd	04	24.80	0.2	ORV	81.93	46 eP	11	28.80	-0.4
												CMB	82.07	48 ePd	11	29.80	-0.2

22d 08h

FRI 82.13 49 ePd 11 30.00 -0.2
 MIN 82.20 45 eP 11 30.20 -0.6
 ISA 82.51 50 eP 11 32.00 -0.3
 SBB 82.61 52 eP 11 33.00 0.1
 PLM 82.85 53 eP 11 34.00 -0.2
 CLC 83.22 51 eP 11 36.00 0.2
 GSC 83.62 51 eP 11 38.00 0.1
 TPC 83.76 53 eP 11 39.00 0.5
 GLA 84.33 54 eP 11 42.00 0.7
 PNT 87.35 38 eP 11 56.00 0.7
 YKA 95.12 27 eP 12 29.40 -1.2

0.4s 3.10nm 4.9mb
 MBC 98.79 13 eP 12 53.00 6.0X
 CDF 143.47 342 ePKP 18 36.70 -1.8X
 0.7s 5.50nm

HAU 144.11 343 ePKP 18 38.90 -0.6
 0.7s 6.60nm
 BSF 144.14 342 ePKP 18 38.80 -0.9
 FLN 144.88 351 ePKP 18 40.80 0.0
 0.6s 9.00nm

LDF 144.99 350 ePKP 18 41.10 0.1
 0.6s 8.10nm

GRR 145.31 351 ePKP 18 42.20 0.7
 0.6s 9.00nm

LOR 145.44 345 ePKP 18 42.80 1.0
 0.5s 4.75nm

LBF 145.68 345 ePKP 18 43.40 1.2
 0.5s 2.20nm

LPF 145.68 351 ePKP 18 43.50 1.4
 0.6s 9.00nm

SSF 145.72 346 ePKP 18 43.80 1.6
 0.6s 5.40nm

LPL 146.23 341 ePKP 18 45.70 2.3X
 BGF 146.35 346 ePKP 18 45.30 2.0X
 0.5s 4.35nm

MAF 146.74 346 ePKP 18 46.50 2.6X
 TCF 146.75 347 ePKP 18 46.40 2.5X
 0.5s 4.00nm

MFF 146.93 350 ePKP 18 46.80 2.7X
 0.5s 6.55nm

LSF 146.94 347 ePKP 18 46.60 2.4X
 0.5s 6.55nm

RJF 147.84 347 ePKP 18 49.30 3.6X
 0.7s 5.50nm

CAF 148.08 346 ePKP 18 49.70 3.6X
 LFF 148.36 348 ePKP 18 50.60 4.1X
 0.5s 2.90nm

LPO 148.51 347 ePKP 18 51.10 4.4X
 S.D. = 0.6 on 70 of 95 obs.

• JUN 22, 1991 08h 02m 16.00±0.53s
 39.004 N ±11.5km 72.240 E ±9.3km
 DEPTH = 33.0km (normol)
 3.9mb (2 obs.)

KIRGHIZ SSR (716)

MAIO 10.46 259 eP 04 47.00 0.2
 GKN 15.06 133 P 05 48.98 0.8
 KKN 15.59 132 P 05 54.84 -0.3
 DMN 15.63 133 P 05 55.54 -0.1
 PKI 15.83 132 P 05 57.66 -0.7
 GUN 15.85 130 P 05 58.86 0.2
 HFS 41.74 320 eP 10 03.00 -0.2
 0.5s 2.10nm 4.1mb

NAO 43.19 321 P 10 14.70 -0.3
 0.5s 0.60nm 3.6mb

INK 71.28 10 eP 13 34.00 0.5
 SOB1 113.70 277 (PKP) 21 13.00 19.8X
 S.D. = 0.5 on 9 of 10 obs.

& JUN 22, 1991 08h 31m 58.78s
 46.938 N 120.341 W
 DEPTH = 4.4km
 WASHINGTON (29)
 <SEA>. MD 2.9 (SEA).

EBG 0.16 260 P 32 02.29 0.2
 VTC 0.24 85 P 32 03.72 0.0
 TBM 0.29 323 Pc 32 05.75 1.1
 S 32 11.61

BVW 0.34 112 Pc 32 06.32 0.7
 S 32 12.87

MXC 0.36 175 P 32 06.13 0.1
 S 32 13.69

NAC 0.39 239 Pd 32 07.71 1.1
 TWW 0.41 299 P 32 08.28 1.2
 YAKW 0.44 197 P 32 08.42 0.9

BRVW 0.51 152 Pd 32 09.68 0.6
 MDW 0.51 129 Pc 32 09.55 0.5
 S 32 19.87

WAH2 0.56 108 Pc 32 10.27 0.2
 EPH 0.66 50 Pc 32 11.55 -0.4
 LOCW 0.66 109 Pc 32 12.25 0.2

CRF 0.66 99 ePc 32 11.97 -0.1
 ETW 0.67 1 Pc 32 11.80 -0.3
 GBL 0.69 119 Pc 32 12.90 0.2

RSW 0.75 136 P 32 13.86 0.0
 MJ2 0.77 119 P 32 14.21 0.0
 OT2 0.79 106 P 32 14.39 -0.2

WTV 0.81 19 P 32 14.56 -0.3
 WRD 0.82 87 P 32 14.62 -0.5
 PRW 0.85 148 P 32 15.82 0.0

WPW 0.86 254 P 32 15.24 -0.7
 WIW 0.88 125 P 32 16.04 -0.2
 CBSW 0.89 13 P 32 16.04 -0.4

FMW 0.91 270 P 32 16.22 -0.7
 GLK 0.95 247 P 32 17.31 -0.2
 SAW 1.00 40 P 32 17.56 -0.7

LON 1.03 260 P 32 18.18 -0.6
 GSM 1.03 285 P 32 18.72 -0.1
 ET3 1.03 110 P 32 18.42 -0.4

GL2 1.03 199 P 32 18.72 -0.2
 DHW2 1.12 20 P 32 19.81 -0.5
 RVC 1.12 271 P 32 19.79 -0.5

RMW 1.13 298 P 32 20.06 -0.4
 PATW 1.13 159 P 32 21.14 0.7
 NLW 1.14 0 P 32 20.19 -0.6

ASR 1.17 228 P 32 21.64 0.4
 OD2 1.20 67 P 32 20.87 -0.8
 HTW 1.30 312 P 32 23.16 -0.3

GULW 1.33 221 P 32 24.42 0.4
 KOSW 1.36 250 P 32 24.16 -0.3
 LMW 1.37 259 P 32 24.76 0.1

WG3 1.37 131 P 32 22.67 -1.9
 TDL 1.42 246 P 32 25.30 -0.2
 SOSW 1.42 241 P 32 25.99 0.5

CDFW 1.44 236 P 32 25.85 0.2
 SPW 1.44 296 P 32 26.29 0.7
 ESD 1.45 240 P 32 26.54 0.6

VGB 1.45 192 P 32 25.37 -0.5
 BLH 1.46 309 P 32 26.42 0.6
 STD 1.47 242 P 32 26.57 0.4

HSR 1.48 240 P 32 27.19 0.8
 ERK 1.52 246 P 32 26.91 0.1
 JBO 1.52 166 P 32 26.53 -0.2

FL2 1.57 243 P 32 28.18 0.6
 JCW 1.65 320 P 32 28.99 0.3
 LVP 1.67 239 P 32 29.32 0.3

RPW 1.71 333 P 32 29.72 0.3
 DPW 1.73 56 P 32 28.45 -1.3
 VLL 1.74 213 P 32 30.44 0.4

VTHM 1.76 185 P 32 29.60 -0.7
 PGW 1.77 301 P 32 31.41 1.1
 GMW 1.77 291 P 32 31.03 0.6

LNOR 1.78 126 P 32 30.65 0.1
 VFP 1.80 206 P 32 31.20 0.3
 VLMM 1.83 221 P 32 32.12 0.8

CPW 1.92 272 P 32 33.84 1.3
 CROR 2.01 193 P 32 33.53 -0.3
 BMW 2.04 258 P 32 35.76 1.4

VBEM 2.07 205 P 32 35.37 0.6
 BLN 2.08 302 P 32 35.71 0.8
 SMW 2.08 282 P 32 36.36 1.4

MBW 2.12 331 P 32 37.14 1.5
 74 obs. associated

JUN 22, 1991 10h 06m 14.83±0.67s
 22.537 N ±6.7km 121.285 E ±10.2km
 DEPTH = 75.0 ±7.1 km
 4.2mb (7 obs.)

TAIWAN REGION (243)

TWG 0.34 325 iPd 06 25.90 -1.1
 eS 06 32.90

TWF1 0.81 1 ePd 06 30.60 -1.0
 eS 06 42.70

TWD 1.56 10 eP 06 41.20 0.0
 eS 07 01.70

TWO 1.78 347 ePd 06 44.20 0.0
 QZH 3.44 315 iP 07 04.30 -2.8X

CVP 4.83 174 eP 07 29.00 2.3
 GZH 7.35 276 eP 08 06.00 4.4X

SSE 8.53 359 eP 08 19.50 1.8
 NJ2 9.72 348 Pd 08 31.00 -3.1X

OIZ 11.26 254 eP 08 54.00 -0.9
 XAN 15.79 319 P 09 57.80 3.7X
 CD2 17.72 302 eP 10 19.20 1.0

MAT 20.24 43 eP 10 47.00 0.6
 0.7s 6.16nm 4.0mb
 LZH 20.29 316 eP 10 47.50 0.4

1.5s 43.00nm 4.6mb
 CHG 21.22 264 eP 11 00.00 3.5X
 GTA 24.84 318 eP 11 32.20 0.5

WRA 44.10 162 P 14 21.00 3.5X
 0.9s 1.70nm 3.9mb
 WB2 44.11 162 eP 14 16.80 -0.7

ASPA 47.54 164 eP 14 43.10 -1.6
 0.4s 4.10nm 4.7mb
 WARB 48.71 174 iPc 14 54.20 0.5

0.3s 8.00nm 5.2mb
 INK 74.71 22 eP 17 47.00 -0.8
 NAO 79.99 332 P 18 16.60 -0.5

0.5s 0.60nm 3.8mb
 YKA 84.45 23 eP 18 39.40 -0.7
 0.6s 1.10nm 4.1mb

S.D. = 1.2 on 17 of 23 obs.

& JUN 22, 1991 10h 11m 31.79s
 46.934 N 120.340 W
 DEPTH = 4.3km

WASHINGTON (29)
 <SEA>. MD 2.6 (SEA).

EBG 0.16 261 Pd 11 35.31 0.2
 VTC 0.24 84 P 11 37.15 0.5
 TBM 0.29 323 Pc 11 38.76 1.0

BVW 0.34 111 Pc 11 39.37 0.8
 MXC 0.36 175 P 11 39.32 0.3
 NAC 0.39 239 Pd 11 40.75 1.2

S 11 48.05
 YAKW 0.43 198 P 11 41.50 1.0
 BRVW 0.51 152 Pd 11 42.72 0.7

MDW 0.51 129 Pc 11 42.61 0.6
 S 11 51.63
 WAH2 0.56 108 Pc 11 43.31 0.3

S 11 52.21
 RC1 0.62 89 P 11 44.24 0.0
 EPH 0.66 50 Pc 11 44.61 -0.4

LOCW 0.66 109 Pc 11 45.30 0.3
 CRF 0.66 99 Pc 11 45.09 0.1
 S 11 55.93

ETW 0.67 1 Pc 11 44.84 -0.4
 S 11 57.14
 GBL 0.69 119 P 11 45.92 0.3

S 11 56.84
 RSW 0.75 136 P 11 46.98 0.2
 MJ2 0.77 119 P 11 47.34 0.2

S 11 59.06
 WTV 0.81 19 P 11 47.71 -0.2
 WRD 0.82 87 P 11 47.68 -0.5

PRW 0.85 148 P 11 48.96 0.2
 WPW 0.86 255 P 11 48.57 -0.4
 WIW 0.88 124 P 11 49.31 0.1

CBSW 0.89 13 P 11 49.06 -0.5
 FMW 0.91 270 P 11 49.48 -0.4
 GLK 0.95 247 P 11 50.30 -0.2

SAW 1.00 39 P 11 50.58 -0.7
 LON 1.03 260 P 11 51.15 -0.6
 ET3 1.03 110 P 11 51.51 -0.2

GL2 1.03 199 P 11 51.96 0.1
 GSM 1.03 286 P 11 51.70 -0.2
 RVC 1.12 271 P 11 52.87 -0.5

DHW2 1.12 20 P 11 52.92 -0.5
 PATW 1.13 159 P 11 54.35 0.9
 RMW 1.13 298 P 11 53.23 -0.3

NLW 1.14 0 P 11 53.65 -0.2
 ASR 1.17 228 P 11 54.67 0.5
 OD2 1.20 67 P 11 54.10 -0.6

HTW 1.30 312 P 11 56.28 -0.2
 KOSW 1.36 250 P 11 57.34 -0.1
 LMW 1.37 259 P 11 58.10 0.4

WG3 1.37 131 P 11 56.60 -1.0
 TDL 1.42 246 P 11 58.55 0.1
 SOSW 1.42 241 P 11 59.11 0.6

CDFW 1.43 236 P 11 59.02 0.4
 VGB 1.45 192 P 11 58.65 -0.2
 JBO 1.51 166 P 11 59.68 0.0

ERK 1.52 246 P 12 00.67 0.9
 JCW 1.66 320 P 12 02.13 0.4
 RPW 1.71 333 P 12 03.48 0.9

DPW 1.73 56 P 12 01.50 -1.3

VLL 1.74 213 P 12 03.79 0.8
 VTHM 1.76 185 P 12 03.11 -0.2
 PGW 1.77 301 P 12 04.59 1.2
 GMW 1.78 291 P 12 04.24 0.8
 LNR 1.78 126 P 12 04.00 0.5
 VFP 1.80 206 P 12 04.36 0.5
 CROR 2.00 193 P 12 06.62 -0.2
 BMW 2.04 258 P 12 08.98 1.6
 VBEM 2.07 205 P 12 09.02 1.2
 BLN 2.08 302 P 12 08.72 0.8
 SMW 2.09 282 P 12 09.72 1.7
 VIPM 2.43 185 P 12 14.45 1.3
 63 obs. associated

JUN 22, 1991 11h 04m 57.25 \pm 0.51s
 10.653 N \pm 7.3km 62.557 W \pm 5.9km
 DEPTH = 129.7 \pm 10.2 km
 3.6mb (1 obs.)
 NEAR COAST OF VENEZUELA (97)
 MD 3.6 (TRN).

TCE 0.79 87 eP 05 17.69 -0.9
 TRN 1.13 90 eP 05 21.51 -0.2
 TPP 1.14 107 eP 05 22.37 0.6
 TBH 1.47 96 eP 05 25.68 0.3
 PIG 1.76 73 eP 05 28.88 0.2
 TPR 1.83 73 eP 05 29.47 -0.1
 BOT 1.88 74 eP 05 30.02 -0.1
 FCV 2.80 27 eP 05 41.41 -0.5
 SVV 2.96 26 eP 05 43.66 -0.3
 GUAM 3.12 257 iP 05 47.50 1.3
 BIM 4.11 21 eP 05 59.28 0.0
 MVM 4.20 23 iPc 06 00.77 0.2
 OLLA 4.23 262 iP 06 01.20 0.2
 FDF 4.28 19 iPc 06 01.74 0.1
 CRM 4.38 21 iPc 06 03.54 0.6
 CEOS 5.92 255 iP 06 23.30 -0.6
 V 8.15 258 eP 06 53.50 -0.9
 YKA 63.68 336 eP 15 16.70 0.1
 0.4s 0.30nm 3.6mb
 S.D. = 0.6 on 18 of 18 obs.

% JUN 22, 1991 11h 23m 46.55 \pm 3.15s
 45.588 N \pm 12.0km 26.561 E \pm 11.2km
 DEPTH = 124.1 \pm 31.2 km
 ROMANIA (358)

VRI 0.30 22 iPc 24 03.50 -0.1
 BRD 0.35 102 iPc 24 05.20 0.8
 CVO 0.36 311 iPc 24 03.50 -1.0
 ISR 0.45 182 iPc 24 05.00 0.0
 PPE 0.97 49 ePd 24 10.00 1.1
 CLI 1.09 27 ePc 24 09.50 -0.6
 CMP 1.12 254 ePc 24 11.00 0.5
 CFR 1.19 109 iPc 24 10.80 -0.3
 BUC1 1.30 197 ePc 24 25.50 13.2X
 PTT 1.35 355 eP 24 31.50 18.6X
 TLR 1.44 133 ePc 24 13.50 -0.4
 S.D. = 0.9 on 9 of 11 obs.

% JUN 22, 1991 12h 26m 19.48 \pm 1.86s
 37.448 N \pm 10.3km 2.252 W \pm 14.9km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)

ENIJ 0.48 176 iP 26 29.50 0.3
 AFC 1.05 260 eP 26 40.50 1.1
 ECOG 1.06 261 eP 26 40.00 0.4
 EGUA 1.22 240 eP 26 40.50 -1.6
 TOL 2.81 330 ePg 27 05.00 -0.2
 iSg 27 22.00
 S.D. = 1.5 on 5 of 5 obs.

& JUN 22, 1991 16h 23m 11.09s
 55.742 N 161.809 W
 DEPTH = 127.5km
 ALASKA PENINSULA (12)
 <PAL>. MD 3.1 (PAL).

SDN 0.85 118 eP 23 32.00 -0.6
 1 obs. associated

? JUN 22, 1991 18h 18m 37.81 \pm 1.04s
 5.157 S \pm 44.8km 107.429 E \pm 38.3km
 DEPTH = 310.0km (geophysicist)
 4.2mb (3 obs.)

JAVA (277)

WB2 30.04 122 eP 24 19.30 -1.6
 0.4s 8.20nm 4.6mb
 ASPA 31.45 128 eP 24 32.90 -0.3
 1.5s 6.10nm 3.9mb
 PKI 38.87 328 P 25 38.20 2.3X
 GUN 38.90 329 P 25 38.40 2.3X
 DMN 39.06 328 P 25 37.20 -0.1
 KKN 39.11 328 P 25 38.00 0.3
 PMG 39.61 98 e(P) 25 42.00 0.3
 GKN 39.63 328 P 25 41.00 -0.8
 STK 41.58 134 iPd 25 53.40 -4.2X
 0.5s 7.10nm 4.2mb
 BRS 48.45 122 iPd 26 53.00 1.2
 QUE 52.32 315 eP 27 19.40 -1.4
 MAIO 60.89 317 eP 28 20.00 -0.7
 OBN 83.40 327 eP 30 33.00 1.4
 0.9s *****nm 7.8mb X
 e 30 35.00
 e 30 43.00
 NVL 87.02 199 ePc 31 18.00 28.8X
 MLR 87.69 316 ePd 30 55.00 1.9
 SIV 156.10 208 PKP 38 04.50 7.2X
 S.D. = 1.3 on 11 of 16 obs.

% JUN 22, 1991 18h 34m 16.53 \pm 0.70s
 44.762 N \pm 4.8km 6.752 E \pm 19.7km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)

LPG 0.74 360 Pg 34 31.10 -0.1
 Sg 34 42.00
 LPL 0.75 359 Pg 34 31.50 0.0
 SBF 1.02 151 Pg 34 36.10 0.2
 Sg 34 49.30
 FRF 1.20 184 Pg 34 38.10 -0.8
 Sg 34 54.20
 LRG 1.34 192 Pg 34 41.70 0.5
 Sg 34 58.20
 LMR 1.44 187 Pg 34 42.80 0.2
 Sg 35 01.60
 S.D. = 0.6 on 6 of 6 obs.

& JUN 22, 1991 18h 50m 32.54s
 54.746 N 160.496 W
 DEPTH = 33.0km (normal)
 ALASKA PENINSULA (12)
 <PAL>. MD 3.0 (PAL).

SDN 0.60 360 iP 50 43.80 -0.7
 1 obs. associated

& JUN 22, 1991 19h 55m 59.90s
 58.896 N 153.954 W
 DEPTH = 97.7km
 KODIAK ISLAND REGION (13)
 <AEIC>.

CDD 0.16 78 iPc 56 13.12 0.7
 eS 56 23.44
 MCNL 0.35 326 iPc 56 13.91 -0.8
 eS 56 23.75
 AUI 0.52 31 iPd 56 15.07 -0.7
 eS 56 26.34
 AUH 0.54 29 iPd 56 15.44 -0.6
 AUE 0.55 33 iPd 56 15.57 -0.5
 SYI 0.86 109 ePc 56 18.14 -0.8
 eS 56 31.76
 PDB 0.90 352 ePc 56 18.28 -1.1
 eS 56 32.55
 XLV 1.28 63 ePd 56 22.59 -1.1
 S 56 40.83
 KDC 1.39 146 ePc 56 23.72 -1.2

HOM 1.41 56 ePd 56 24.64 -0.6
 eS 56 43.92
 CNPM 1.53 65 ePd 56 25.56 -1.3
 eS 56 45.49
 RS2 1.69 21 iPd 56 28.11 -0.9
 RSO 1.69 21 iPd 56 28.11 -0.9
 RDW 1.69 20 iPd 56 28.14 -1.0
 REF 1.72 21 iPd 56 28.45 -1.0
 RDN 1.73 20 iPd 56 28.69 -0.8
 NCT 1.75 17 iPd 56 28.81 -0.9
 eS 56 49.80
 >NNL 1.78 49 iPc 56 29.75 -0.2
 DFR 1.82 20 iPd 56 29.63 -1.0
 S 56 51.84

RDT 1.86 24 iPd 56 29.74 -1.3
 NKA 2.31 35 eP 56 37.21 0.3
 CKL 2.45 19 iPd 56 37.85 -1.1
 SPU 2.48 22 ePd 56 38.05 -1.4
 SLKM 2.49 48 eP 56 37.45 -2.0
 BGL 2.50 18 ePd 56 38.77 -0.9
 CRP 2.54 20 eP 56 39.28 -1.1
 SEW 2.60 60 eP 56 38.38 -2.5
 eS 57 07.63
 CGLM 2.61 21 ePd 56 39.82 -1.3
 NCG 2.67 19 ePd 56 40.86 -1.2
 SUA 3.03 31 ePd 56 45.82 -1.1
 eS 57 21.28

PMS 3.22 41 ePd 56 47.67 -1.8
 LTI 3.32 67 eP 56 48.21 -2.5
 SKT 3.32 20 ePd 56 48.94 -1.8
 eS 57 27.79
 PWA 3.43 35 ePc 56 50.55 -1.7
 KNIM 3.48 63 ePc 56 49.55 -3.4
 PLRM 3.62 40 eP 56 51.96 -2.8
 GHO 3.82 39 eP 56 54.90 -2.8
 CUT 3.96 26 eP 56 57.83 -1.7
 GLI 3.99 57 ePc 56 56.24 -3.7
 SML 4.04 41 ePc 56 57.85 -2.8
 VZW 4.30 57 ePd 57 01.40 -2.9
 SCM 4.42 45 ePc 57 03.22 -2.7
 VLZ 4.43 56 ePd 57 03.10 -2.9
 KLU 4.78 54 iPd 57 07.70 -3.2
 TOA 5.01 47 eP 57 11.28 -2.9
 SDG 5.50 45 eP 57 18.51 -2.4
 PAX 5.81 42 eP 57 21.90 -3.3
 BALM 6.21 65 eP 57 27.44 -3.3
 WRH 6.25 24 eP 57 27.16 -4.0
 CCB 6.46 24 eP 57 29.95 -4.1
 50 obs. associated

% JUN 22, 1991 21h 10m 18.57 \pm 0.79s
 42.971 N \pm 6.4km 13.023 E \pm 10.0km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

ASS 0.28 291 P 10 24.10 -0.4
 eSg 10 28.50
 ARV 0.53 354 P 10 28.20 -1.1
 eSg 10 37.00
 MNS 0.64 203 P 10 30.50 -0.9
 eSg 10 41.40
 AQU 0.68 155 P 10 31.80 -0.2
 eSg 10 44.90
 CRE 1.02 310 P 10 38.50 0.5
 eSg 10 54.00
 SFI 1.28 318 P 10 42.50 0.3
 PGD 1.31 314 P 10 43.80 0.9
 SDI 1.39 155 P 10 45.10 1.0
 eSn 11 04.60
 S.D. = 0.9 on 8 of 8 obs.

? JUN 22, 1991 21h 19m 24.80 \pm 1.02s
 41.543 N \pm 11.9km 14.349 E \pm 9.7km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN ITALY (390)

DUI 0.14 35 P 19 28.00 -0.2
 eSg 19 31.20
 SDI 0.43 292 P 19 32.80 -0.8
 eSg 19 41.80
 SGO 1.22 143 P 19 47.50 0.0
 MNS 1.50 305 P 19 52.90 1.1
 S.D. = 1.4 on 4 of 4 obs.

% JUN 23, 1991 00h 19m 14.41 \pm 2.02s
 60.890 N \pm 6.1km 3.694 E \pm 16.9km
 DEPTH = 10.0km (geophysicist)

23d 00h

NORTH SEA (534)
MD 2.0 (BER).

SUE	0.55	72	iPd	19 24.88	-0.6
			iS	19 31.26	
ASK	0.84	118	iPd	19 31.05	0.4
			eS	19 41.84	
BER	0.95	121	eP	19 33.09	0.5
			eS	19 45.22	
FOO	0.97	42	eP	19 32.75	0.0
			eS	19 43.33	
EGD	0.98	129	eP	19 33.10	0.1
			eS	19 46.63	
FRO	1.04	33	eP	19 33.52	-0.5
			eS	19 46.55	
HYA	1.24	76	iPc	19 36.70	-0.8
			eS	19 52.40	
KMY	1.85	154	iP	19 45.46	-1.0
			eSg	20 13.32	
MOL	2.49	46	ePg	19 57.02	1.4
			eSg	20 27.74	

S.D. = 0.9 on 9 of 9 obs.

& JUN 23, 1991 01h 47m 24.99s
60.084 N 152.985 W
DEPTH = 107.2km
SOUTHERN ALASKA (2)
<AEIC>.

RS2	0.40	17	iP	47 40.77	-0.6
			eS	47 53.72	
RSO	0.40	17	iP	47 40.76	-0.6
			eS	47 52.48	
RDW	0.41	12	eP	47 40.68	-0.8
			eS	47 53.51	
REF	0.43	19	iP	47 40.88	-0.7
RDN	0.45	14	eP	47 40.96	-0.6
			eS	47 53.14	
NCT	0.48	3	iP	47 41.17	-0.6
			eS	47 53.50	
DFR	0.53	16	iP	47 41.29	-0.8
RDT	0.57	30	iP	47 41.60	-0.8
			eS	47 55.22	
PDB	0.68	244	iP	47 42.24	-0.9
			eS	47 55.66	
AUE	0.75	195	eP	47 42.60	-1.2
			eS	47 55.29	
AUH	0.76	198	eP	47 44.03	0.1
			eS	47 56.34	
HOM	0.80	122	eP	47 43.32	-0.9
			eS	47 59.09	
NNL	0.85	92	iP	47 45.08	0.4
XLV	0.90	134	eP	47 44.47	-0.7
			eS	47 59.84	
CNPM	1.05	122	eP	47 45.96	-0.8
			eS	48 02.50	
NKA	1.09	52	eP	47 48.06	0.9
MCNL	1.13	218	eP	47 46.54	-1.2
CKL	1.16	16	iP	47 47.55	-0.6
			eS	48 04.83	
SPU	1.19	22	eP	47 47.83	-0.6
			eS	48 04.98	
CDD	1.21	196	iP	47 47.56	-1.0
BGL	1.22	14	eP	47 48.40	-0.4
CRP	1.26	19	eP	47 48.81	-0.5
			eS	48 06.86	
CGLM	1.32	21	eP	47 48.83	-1.1
NCG	1.39	17	eP	47 50.14	-0.6
SLKM	1.44	72	eP	47 50.64	-0.7
SYI	1.51	168	iP	47 51.28	-0.8
SVW	1.66	309	iP	47 52.43	-1.6
SUA	1.77	37	eP	47 55.08	-0.4
SKT	2.03	20	eP	47 57.87	-0.9
PMS	2.05	54	eP	47 58.32	-0.7
PWA	2.19	43	eP	48 00.70	0.0
PLRM	2.42	50	eP	48 02.50	-1.3
LTJ	2.57	89	eP	48 03.97	-1.9
KNK	2.59	57	eP	48 04.25	-1.9
GHO	2.61	48	eP	48 04.75	-1.7
KNIM	2.63	82	eP	48 03.85	-2.9
CUT	2.67	28	eP	48 07.11	-0.1
MTU	2.68	90	eP	48 05.80	-1.5
SML	2.85	51	eP	48 07.84	-1.9

39 obs. associated

JUN 23, 1991 01h 55m 59.42±0.91s
42.718 N ± 5.6km 18.274 E ± 7.1km

DEPTH = 10.0km (geophysicist)
YUGOSLAVIA (383)
ML 2.5 (TTG).

BRY	0.27	47	iPg	56 04.74	-0.4
			iSg	56 13.20	
HCY	0.32	148	iPg	56 05.80	-0.2
			iSg	56 15.29	
NKY	0.54	80	iPg	56 10.57	0.2
			iSg	56 23.90	
BDV	0.60	136	iPg	56 11.09	-0.4
			iSg	56 24.89	
TTG	0.78	111	iPg	56 15.20	0.5
			iSg	56 32.40	
PLE	1.02	53	iPg	56 18.05	-0.8
			iSg	56 37.57	
ULC	1.05	136	iPg	56 19.22	0.1
			iSg	56 39.44	
IVA	1.21	82	iPg	56 22.64	0.7
			iSg	56 46.10	
PVY	1.26	95	iPnd	56 24.10	1.2
			iSn	56 47.92	
HVAR	1.42	290	ePg	56 15.80	-9.4X
			iSg	56 32.90	
SKO	2.46	107	ePn	56 39.00	-1.2
OHR	2.48	130	ePn	56 45.00	4.5X
VBY	3.53	323	e(Pn)	57 02.70	7.3X
			e(Sn)	57 38.80	
PTJ	3.59	333	eP	56 50.50	-5.8X
RIY	3.84	314	eP	57 00.20	0.4
LJU	4.27	322	eP	57 13.00	7.1X
			e(Sn)	57 49.00	
VOY	4.56	318	ePn	57 03.70	-6.5X
			e(Sn)	57 55.00	
			eSg	58 13.80	

S.D. = 0.8 on 11 of 17 obs.

& JUN 23, 1991 02h 00m 05.54s
59.019 N 154.184 W
DEPTH = 111.4km
SOUTHERN ALASKA (2)
<AEIC>.

MCNL	0.18	335	iPc	00 20.67	0.9
			eS	00 32.22	
CDD	0.29	107	iPc	00 20.85	0.7
			eS	00 32.97	
AUI	0.50	51	ePc	00 22.01	-0.8
			eS	00 34.76	
AUH	0.51	47	ePc	00 22.31	-0.7
AUE	0.54	50	eP	00 22.35	-0.7
BGM	0.66	305	eP	00 21.89	-2.1
PDB	0.77	360	iPd	00 23.95	-0.9
			eS	00 38.28	
SYI	1.02	113	iPc	00 26.20	-1.1
XLV	1.34	70	eP	00 29.84	-1.0
HOM	1.45	63	eP	00 31.41	-0.8
			eS	00 51.16	
KDC	1.56	144	eP	00 31.77	-1.7
			eS	00 51.67	
CNPM	1.60	70	eP	00 32.48	-1.5
			eS	00 52.85	
RS2	1.62	26	iPd	00 33.32	-1.2
			eS	00 55.81	
RSO	1.62	26	iPd	00 33.27	-1.2
RDW	1.62	25	iPd	00 33.34	-1.2
REF	1.65	26	iPd	00 33.63	-1.3
RDN	1.66	25	iPd	00 33.78	-1.2
			eS	00 55.86	
NCT	1.67	22	iPd	00 33.78	-1.3
DFR	1.75	25	iPd	00 34.67	-1.3
NNL	1.79	54	ePc	00 35.72	-0.7
RDT	1.80	29	ePd	00 34.88	-1.7
BRLK	1.85	65	eP	00 35.72	-1.4
SVW	2.22	342	iPd	00 40.79	-1.1
			eS	01 08.34	
NKA	2.28	39	eP	00 42.31	-0.4
CKL	2.37	22	iPd	00 42.62	-1.4
SPU	2.42	25	ePd	00 42.75	-1.8
BGL	2.42	21	iPd	00 43.48	-1.2
CRP	2.47	23	eP	00 43.96	-1.5
SLKM	2.50	52	ePc	00 43.48	-2.2
CGLM	2.54	24	ePd	00 44.58	-1.7
NCG	2.60	22	eP	00 45.60	-1.4
SEW	2.64	64	eP	00 45.56	-1.9
SUA	2.99	33	eP	00 50.36	-2.0
			eS	01 25.49	

PMS	3.21	44	ePc	00 52.81	-2.4
SKT	3.25	23	eP	00 53.52	-2.1
LTJ	3.38	70	eP	00 55.02	-2.4
PWA	3.40	37	eP	00 55.26	-2.4
MTU	3.47	71	eP	00 56.35	-2.3
KNIM	3.53	65	ePc	00 55.92	-3.5
PLRM	3.60	42	ePc	00 57.05	-3.4
KNK	3.73	48	eP	00 58.72	-3.5
GHO	3.80	41	eP	00 59.65	-3.5
GLI	4.02	59	eP	01 01.79	-4.4
SML	4.03	44	eP	01 02.43	-3.9
VZW	4.34	59	eP	01 07.07	-3.4
SCM	4.42	47	ePc	01 08.09	-3.5
VLZ	4.47	58	eP	01 08.86	-3.3
KLU	4.81	55	iPc	01 13.49	-3.4
TOA	5.02	49	iPc	01 16.79	-3.1
SDG	5.50	47	eP	01 24.10	-2.4
GLB	5.71	60	ePc	01 26.10	-3.2
PAX	5.80	43	eP	01 28.20	-2.4
BALM	6.27	66	eP	01 33.68	-3.4
CCB	6.40	25	eP	01 33.82	-4.9
MDM	6.59	23	eP	01 37.03	-4.3
FBA	6.62	24	eP	01 37.51	-4.3

56 obs. associated

JUN 23, 1991 02h 45m 41.20±0.36s
32.306 N ± 7.2km 76.716 E ± 5.3km
DEPTH = 33.0km (normol)
4.6mb (17 obs.)

KASHMIR-INDIA BORDER REGION (303)

NDI	3.64	173	iPn	46 38.00	1.5
			ePg	46 43.00	
			eSn	47 19.50	
			eSg	47 35.00	
KSH	7.16	355	Pn	47 29.20	2.8X
			Sn	48 50.70	
GKN	8.09	120	P	47 38.66	-0.7
			0.4s 119.00nm	6.4mb X	
GAR	8.47	324	eP	47 42.70	-1.9
			eS	49 27.00	
QUE	8.62	258	P	47 44.90	-2.0
DMN	8.65	121	P	47 45.66	-1.7
			0.4s 116.00nm	6.3mb X	
KKN	8.68	119	P	47 46.16	-1.5
			0.6s 227.00nm	6.5mb X	
PKI	8.89	120	P	47 49.36	-1.4
GUN	9.06	117	P	47 50.70	-2.4
			0.3s 80.00nm	6.3mb X	
BOM	13.81	196	eP	48 58.00	1.2
			eS	52 05.00	
POO	13.96	191	iPc	49 02.00	3.1X
			1.0s 100.00nm	5.5mb	
			iS	54 10.00	
WMO	14.37	34	Pd	49 02.40	-1.8
			Z 17s 0.80um		
			N 20s 2.80um		
MAIO	14.78	290	eP	49 11.00	1.3
			eS	51 57.00	
HYB	14.92	173	eP	49 06.50	-5.0X
			eS	51 44.50	
GBA	18.63	178	Pd	49 54.50	-3.7X
			0.6s 6.70nm	4.0mb	
GTA	19.99	63	P	50 14.00	0.2
			1.0s 10.00nm	4.1mb	
			Z 18s 0.90um	4.0msz	
			E 12s 0.50um		
			pP	50 19.00	19kmX
IR4	21.64	285	ePd	50 33.00	2.2
IR1	21.82	285	ePc	50 34.50	2.0
IR7	21.89	286	eP	50 36.00	2.8X
IR5	21.90	285	eP	50 35.00	1.6
KOD	21.98	178	eP	50 36.00	1.6
			eS	56 59.00	
LZH	22.72	73	P	50 42.00	0.4
			1.5s 91.00nm	5.0mb	
			Z 15s 0.34um	3.9mszX	
			N 10s 0.43um		
			pP	50 54.00	48kmX
			PP	51 17.00	
CD2	23.05	86	eP	50 46.00	1.3
BDT	25.11	121	eP	51 04.00	-0.5
CYA	26.69	95	P	51 24.40	5.1X
XAN	26.96	77	P	51 22.50	0.9
BTO	27.91	63	eP	51 31.0	

TIY	29.63	69	eP	51	46.50	0.7
Z	14s		1.00um			4.6mszX
E	14s		0.73um			
			S	56	38.00	
			sS	56	53.50	
BJI	32.57	65	eP	52	12.00	0.6
CN2	39.53	59	eP	53	11.00	0.4
VRI	40.46	304	ePc	53	19.00	0.8
MLR	41.00	304	ePd	53	25.00	2.2
MDJ	42.50	57	eP	53	36.90	2.0
YAK	44.82	32	eP	53	54.00	0.6
BRG	48.93	312	eP	54	27.00	1.1
HFS	49.25	324	eP	54	28.50	0.2
	0.5s		3.40nm			4.6mb
PGF	53.44	302	eP	54	58.20	-2.1
BSF	53.92	308	eP	55	03.30	-0.4
	0.6s		3.60nm			4.6mb
SBF	54.27	304	eP	55	04.70	-1.6
	0.6s		3.60nm			4.6mb
LPG	54.40	306	eP	55	06.20	-1.3
	0.6s		2.70nm			4.5mb
LPL	54.41	306	eP	55	06.40	-1.1
	0.6s		4.50nm			4.7mb
FRF	54.90	303	eP	55	08.80	-2.0
SMF	56.13	308	eP	55	17.70	-2.0
	0.6s		1.80nm			4.3mb
SSF	56.26	308	eP	55	19.40	-1.2
TCF	57.31	307	eP	55	26.60	-1.5
	0.6s		1.80nm			4.3mb
CAF	57.75	306	eP	55	29.40	-1.8
	0.7s		2.20nm			4.3mb
LSF	57.78	308	eP	55	29.40	-1.9
MBC	71.24	4	eP	56	59.50	1.1
	0.9s		15.00nm			5.0mb
WRA	75.75	125	P	57	26.00	0.4
	0.7s		3.20nm			4.4mb
WB2	75.75	125	eP	57	22.50	-3.1X
FBA	77.09	18	iPd	57	34.00	1.6
	1.0s		25.00nm			5.2mb
INK	77.19	11	eP	57	34.00	1.1
SLKM	79.86	22	eP	57	49.00	1.3
YKA	85.09	5	eP	58	15.10	0.5
	0.6s		7.50nm			5.1mb
FFC	93.32	359	iPc	58	55.20	1.5
	1.0s		16.00nm			5.4mb

S.D. = 1.5 on 48 of 55 obs.

JUN 23, 1991 03h 35m 03.94±0.55s
 45.919 N ± 8.2km 5.144 E ± 4.9km
 DEPTH = 10.0km (geophysicist)

FRANCE (538)
 ML 2.6 (LDG).

RSL	1.06	102	Pg	35	24.04	0.0
			Sg	35	37.78	
SMF	1.16	309	Pn	35	26.00	0.4
			Pg	35	27.20	
			Sg	35	44.70	
LPL	1.18	109	Pg	35	26.10	-0.1
			Sg	35	40.00	
LPG	1.20	110	Pg	35	26.30	-0.3
			Sg	35	40.90	
LBF	1.34	323	Pn	35	29.00	0.4
			Pg	35	31.00	
			Sn	35	47.60	
			Sg	35	51.30	
AVF	1.52	306	Pn	35	30.60	-0.5
			Sg	35	55.20	
SSF	1.61	316	Pn	35	32.80	0.3
			Sg	35	58.60	
LOR	1.61	327	Pn	35	32.60	0.0
			Sg	35	59.40	
BGF	1.72	293	Pn	35	33.80	-0.3
			Pg	35	36.40	
			Sg	35	57.50	
TCF	2.07	281	Pn	35	37.40	-1.8
			Pg	35	41.90	
			Sg	36	07.70	
BSF	2.22	30	Pn	35	41.80	0.3
			Pg	35	48.60	
			Sg	36	20.20	
HAU	2.24	21	Pg	35	49.70	8.0X
			Sg	36	21.80	
CAF	2.38	246	Pg	35	45.20	1.5
			Sg	36	10.50	
LSF	2.54	279	Pg	35	49.70	3.9X
			Sg	36	21.70	

S.D. = 0.9 on 12 of 14 obs.

? JUN 23, 1991 03h 43m 13.54±2.14s
 16.163 S ± 20.7km 178.184 E ± 17.1km
 DEPTH = 25.7 ± 9.4 km
 4.0mb (2 obs.)

FIJI ISLANDS (182)

MBU	0.96	147	iPc	43	31.10	-0.2
			iS	43	43.60	
SGE	1.44	190	iPc	43	37.70	-0.5
			eS	44	54.50	
KRO	1.63	135	iPc	43	40.60	-0.3
			eS	44	02.00	
VUN	1.85	172	iPc	43	44.50	0.4
			eS	44	05.70	
SVA	1.96	172	iPc	43	45.60	-0.1
			eS	44	06.30	
WRA	41.77	258	P	51	10.00	7.3X
	0.9s		2.00nm			3.8mb
ASPA	42.17	252	eP	51	06.00	0.0
	1.4s		7.40nm			4.2mb

S.D. = 0.5 on 6 of 7 obs.

* JUN 23, 1991 04h 54m 33.68±0.53s
 12.644 N ± 5.7km 144.852 E ± 26.4km
 DEPTH = 33.0km (normol)
 4.7mb (3 obs.)

SOUTH OF MARIANA ISLANDS (210)

GUA	0.89	4	iPd	54	50.30	0.5
			eS	55	00.80	
GUMO	0.94	1	iPd	54	50.20	-0.3
			eS	55	00.70	
PJG	0.94	1	iP	54	50.30	-0.2
MAT	24.53	347	(P)	00	00.00	8.5X
	1.3s		13.46nm			4.4mb
WB2	33.99	198	iPc	01	16.60	0.0
ASPA	37.64	197	eP	01	47.50	-0.1
	0.6s		8.80nm			4.8mb
DZM	40.48	148	iPc	02	11.50	0.2
WARB	42.47	205	iPd	02	28.00	0.5
STK	44.38	184	iPd	02	42.30	-0.6
	0.4s		5.60nm			4.8mb

S.D. = 0.5 on 8 of 9 obs.

JUN 23, 1991 05h 03m 15.43±0.18s
 7.829 S ± 3.7km 159.060 E ± 4.6km
 DEPTH = 60.9km (3 depth phases)
 5.3mb (28 obs.)

SOLOMON ISLANDS (193)

HNR	1.82	151	iPc	03	44.50	-0.4
			iS	04	04.00	
DZM	15.85	154	iPc	06	55.70	-0.6
CTAO	17.39	224	iPd	07	18.50	3.0X
	1.0s		50.00nm			4.6mb
			eP	07	32.00	
BRS	20.35	196	iPc	07	49.80	0.4
RMO	20.98	207	iPc	07	57.00	1.1
			i	08	19.20	11kmX
OIS	22.68	234	iPc	08	14.30	1.5
			i	08	28.00	58km
QLP	23.37	215	eP	08	20.50	1.1
COO	23.61	196	iPc	08	23.20	1.5
	0.9s		51.00nm			5.0mb
GUA	25.46	326	e(P)	08	39.50	0.0
	0.8s		179.10nm			5.6mb
GUMO	25.52	326	eP	08	34.10	-6.0X
	0.9s		177.32nm			5.6mb
			e	08	41.60	27kmX
PJG	25.52	326	eP	08	34.50	-5.6X
CMS	26.58	206	eP	08	49.00	-0.7
WB2	26.79	241	iPc	08	51.30	-0.5
			e	09	05.60	59km
			e	13	18.10	
WRA	26.80	241	P	08	51.00	-0.9
	0.6s		42.20nm			5.2mb
BWA	28.23	199	eP	09	03.40	-1.3
ASPA	28.80	234	iPd	09	08.80	-1.2
	0.5s		24.70nm			5.1mb
			eS	13	52.70	
CAN	28.88	197	eP	09	10.30	-0.3
			i	09	15.90	20kmX
STK	28.94	212	iPd	09	10.50	-0.6
	0.3s		6.80nm			4.8mb
WARB	35.81	235	iPd	10	11.00	-0.1

	0.3s		9.00nm			5.2mb
COOL	42.17	232	eP	11	03.50	-0.4
CHJJ	47.55	338	P	11	47.00	0.2
MAT	48.28	337	iPd	11	51.20	-1.3
	0.7s		17.81nm			5.2mb
MTMJ	48.48	337	P	11	53.60	-0.5
OZH	51.13	311	Pc	12	15.50	1.1
SSE	53.03	319	P	12	28.30	-0.2
	1.0s		25.00nm			5.2mb
NJ2	55.17	318	Pc	12	44.50	0.3
WHN	57.38	314	Pd	13	00.50	0.5
	1.0s		30.00nm			5.3mb
DL2	58.05	326	eP	13	04.00	-0.5
	1.0s		50.00nm			5.6mb
CN2	59.73	332	Pd	13	15.60	-0.5
	1.0s		40.00nm			5.5mb
GYA	61.18	306	P	13	27.40	0.9
BJI	61.92	324	eP	13	30.50	-0.6
TIY	62.79	320	Pc	13	35.70	-1.3
XAN	63.13	314	Pd	13	38.50	-0.8
CHG	64.90	295	ePd	13	51.20	0.1
	1.2s		53.91nm			5.4mb
HHC	65.19	322	P	13	53.00	0.3
	1.0s		40.00nm			5.4mb
CD2	65.44	309	eP	13	54.40	0.0
	1.0s		20.00nm			5.1mb
BTO	65.99	321	P	13	58.00	0.2
LZH	67.76	314	iPd	14	09.80	0.6
	1.5s		68.00nm			5.4mb
GTA	72.12	316	Pd	14	36.40	0.7
	0.9s		30.00nm			5.2mb
SHL	73.20	300	iP	14	42.60	0.3
YAK	73.26	346	iPd	14	41.30	-0.4
IRK	75.84	329	ePc	14	56.20	-0.6
			e	15	14.30	66km
SVW	77.29	21	eP	15	04.40	-0.3
SLKM	78.88	23	eP	15	12.60	-0.9
GUN	79.01	300	Pd	15	16.26	1.0
	0.8s		127.00nm			5.9mb
PKI	79.32	300	Pd	15	17.54	0.6
	1.0s		130.00nm			5.8mb
KKN	79.49	300	Pd	15	18.48	0.8
	0.8s		101.00nm			5.8mb
DMN	79.59	300	Pd	15	19.34	1.0
	1.0s		166.00nm			5.9mb
PMR	79.97	22	eP	15	18.10	-1.1
GKN	80.09	300	Pd	15	21.44	0.6
	0.9s		201.00nm			6.0mb
WMO	82.19	316	P	15	32.00	0.6
	1.2s		20.00nm			5.0mb
FBA	82.47	20	iP	15	30.70	-1.6
	1.0s		37.50nm			5.3mb
HYB	83.35	289	eP	15	38.00	0.2
GBA	83.76	285	Pd	15	40.20	0.4
	0.9s		14.90nm			5.0mb
FHC	85.31	48	eP	15	47.30	0.1
PRS	86.27	53	eP	15	51.60	-0.5
WDC	86.33	48	ePd	15	51.90	-0.3
PRI	86.79	53	ePd	15	55.80	1.1
ORV	86.87	50	ePd	15	54.90	0.0
MIN	86.97	49	eP	15	55.30	-0.2
CMB	87.40	51	eP	15	57.70	0.2
FRI	87.72	52	ePd	15	59.10	0.1
MWC	88.51	55	eP	16	04.00	0.9
RVR	89.03	56	eP	16	06.00	0.6
INK	89.09	20	eP	16	05.00	0.1
CLC	89.17	54	eP	16	07.00	0.9
PLM	89.34	56	eP	16	08.00	0.9
GSC	89.72	54	eP	16	09.00	0.3
TNP	89.86	52	iP	16	10.00	0.5
	1.1s		3.90nm			4.6mb
TPC	90.13	56	eP	16	12.00	1.4
PNT	90.26	40	eP	16	11.00	0.2
GLA	90.98	57	eP	16	16.00	1.5
YKA	95.19	28	eP	16	31.70	-1.4
	0.8s		6.30nm			5.1mb
PV09	96.22	52	eP	16	40.20	1.4
HFS	121.68	340	ePKP	22	01.50	-2.1
	0.6s		1.30nm			
NAO	122.05	342	PKP	22	03.60	-0.7
	0.7s		1.00nm			
SPC	126.25	328	ePKP	22	12.50	-0.6
KSP	127.21	331	ePKP	22	14.50	-0.1
BRG	128.29	333	ePKP	22	15.20	-1.4
	1.2s		10.00nm			
CLL	128.41	333	ePKP	22	17.00	0.2
KHC	129.66	331	PKP	22	20.00	0.0

23d 05h

1.4s 7.30nm
 PPD 137.96 136 (PKP) 22 32.00 -3.9X
 BAO 144.48 131 ePKPc 22 45.60 -2.1
 IFR 150.55 332 ePKP 23 04.00 7.0X
 SOB1 153.89 130 ePKP 23 06.80 4.7X
 S.D. = 0.9 on 79 of 85 obs.

% JUN 23, 1991 05h 14m 42.65 ± 0.92s
 37.682 N ± 7.2km 15.188 E ± 8.2km
 DEPTH = 10.0km (geophysicist)
 SICILY (398)

MNO 0.46 303 P 14 51.80 -0.3
 eSg 14 59.80
 ATN 0.52 24 P 14 53.90 0.6
 eSg 15 04.00
 MEU 0.62 200 P 14 55.00 -0.1
 eSg 15 05.60
 GIB 0.97 289 P 15 01.90 0.8
 CZI 1.70 26 P 15 13.00 0.5
 eSg 15 36.40
 TDS 2.17 24 P 15 20.70 1.4X
 eSn 15 45.60
 CSI 2.26 22 P 15 23.60 2.9X
 MMN 2.29 16 P 15 25.20 4.2X
 eSn 15 58.60
 MGR 2.47 7 P 15 22.50 -1.0
 SGO 2.87 2 P 15 28.90 -0.4
 S.D. = 0.8 on 7 of 10 obs.

% JUN 23, 1991 05h 46m 43.78 ± 0.81s
 44.084 N ± 6.9km 7.980 E ± 5.8km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.7 (GEN).

IMI 0.19 201 P 46 48.13 0.2
 S 46 50.69
 FIN 0.21 53 P 46 48.18 -0.1
 S 46 50.69
 ROB 0.23 339 P 46 49.16 0.5
 S 46 52.13
 ENR 0.43 290 P 46 52.78 0.2
 S 46 59.03
 STV 0.50 289 P 46 53.26 -0.7
 S 47 00.51
 PCP 0.61 41 P 46 56.02 -0.1
 S 47 03.41
 S.D. = 0.5 on 6 of 6 obs.

& JUN 23, 1991 06h 18m 59.02s
 63.428 N 150.887 W
 DEPTH = 24.6km
 CENTRAL ALASKA (1)
 <AEIC>. ML 2.5 (AEIC).

HUR 0.73 128 eP 19 11.94 -1.0
 RND 0.92 90 eP 19 15.03 -1.2
 eS 19 27.56
 MCK 0.93 70 eP 19 14.81 -1.5
 eS 19 27.54
 BWN 0.98 40 eP 19 16.25 -0.8
 eS 19 29.60
 CUT 1.07 164 eP 19 17.62 -0.7
 NEA 1.40 34 eP 19 22.45 -0.7
 eS 19 40.72
 SKT 1.48 192 eP 19 23.67 -0.7
 eS 19 43.30
 WRH 1.62 48 eP 19 27.14 0.8
 CCB 1.83 47 eP 19 27.33 -2.0
 PWA 1.84 165 eP 19 29.90 0.4
 RDS 1.85 39 eP 19 29.99 0.3
 GHO 1.89 150 eP 19 30.30 -0.1
 MDM 1.93 36 eP 19 29.19 -1.6
 SUA 1.97 178 eP 19 30.86 -0.7
 FBA 2.01 41 eP 19 29.97 -1.9
 SML 2.01 143 eP 19 31.53 -0.5
 PLRM 2.01 155 eP 19 31.63 -0.4
 NCG 2.12 197 eP 19 31.98 -1.6
 CGLM 2.19 194 eP 19 33.95 -0.7
 CRP 2.25 196 eP 19 35.18 -0.3
 PMS 2.28 164 eP 19 36.43 0.6
 KNK 2.32 150 eP 19 37.36 1.0
 SPU 2.32 194 eP 19 35.45 -1.0
 CKL 2.34 197 eP 19 36.72 0.0
 TTA 2.38 260 eP 19 37.48 0.2
 PAX 2.50 98 eP 19 39.64 0.6

TOA 2.54 119 eP 19 40.55 0.9
 SDG 2.60 108 eP 19 40.81 0.4
 RDT 2.95 195 iP 19 45.73 0.3
 KLU 3.02 128 eP 19 46.89 0.6
 RDW 3.09 198 eP 19 48.42 0.9
 VLZ 3.14 135 eP 19 48.32 0.4
 GLB 3.85 118 eP 19 59.45 1.4
 33 obs. associated

& JUN 23, 1991 06h 50m 46.50s
 39.950 N 120.729 W
 DEPTH = 0.0km
 NORTHERN CALIFORNIA (36)
 <GM-P>. MD 3.0 (GM).

ORV 0.71 237 iPc 51 00.50 -0.2
 LTCM 1.10 284 eP 51 07.40 -0.7
 LBFM 1.65 328 eP 51 16.00 -1.1
 CMB 1.93 172 e(P) 51 20.00 -1.0
 KVN 2.22 113 eP 51 23.00 -2.4
 5 obs. associated

* JUN 23, 1991 07h 39m 35.48 ± 0.71s
 1.337 N ± 10.4km 122.954 E ± 11.5km
 DEPTH = 33.0km (normal)
 4.3mb (2 obs.)
 MINAHASSA PENINSULA (265)

MNI 1.89 87 eP 40 06.50 0.5
 eS 40 24.50
 TSM 5.66 301 eP 41 01.00 1.5
 CGP 7.28 14 iP 41 22.00 -0.3
 1.0s 41.00nm 5.4mb X
 W82 23.92 153 iPc 44 46.90 -0.6
 ASPA 27.04 157 eP 45 17.30 0.4
 0.6s 4.50nm 4.3mb
 QIS 27.19 144 eP 45 18.00 -0.3
 STK 37.46 153 eP 46 47.40 -0.4
 0.6s 3.30nm 4.4mb
 CAN 43.85 149 eP 47 41.70 1.2
 DHR 74.02 297 ePd 51 08.00 -2.2
 S.D. = 1.3 on 9 of 9 obs.

JUN 23, 1991 08h 19m 33.53 ± 0.76s
 11.004 S ± 3.4km 166.198 E ± 3.2km
 DEPTH = 162.2 ± 7.0 km
 5.1mb (46 obs.)
 SANTA CRUZ ISLANDS (184)

HNR 6.35 284 eP 21 06.00 0.1
 eS 22 24.00
 SVO 6.55 286 eP 21 09.00 0.4
 eS 22 29.00
 VSG 6.62 285 eP 21 10.00 0.4
 eS 22 30.00
 DZM 11.01 179 iPd 22 08.30 0.6
 iS 24 03.00
 PMG 18.81 273 eP 23 43.00 -0.3
 CTAO 21.21 242 iPd 24 09.00 1.3
 1.0s 40.00nm 4.8mb
 i 24 26.50
 eS 27 59.00
 RMO 22.54 224 iPc 24 22.30 1.7
 i 24 46.00
 COO 23.58 212 eP 24 33.00 2.4
 QIS 27.26 246 eP 25 04.00 -0.7
 CMS 27.76 220 iPc 25 09.70 0.7
 i 25 43.00
 WHH 29.25 163 eP 25 21.70 -0.7
 NGZ 29.28 165 eP 25 22.40 -0.4
 NOZ 29.46 161 eP 25 22.00 -2.2
 TTH 29.95 163 P 25 27.50 -0.9
 MNG 30.62 166 P 25 32.30 -2.0
 STK 30.78 224 iPc 25 36.60 0.7
 0.9s 6.20nm 4.3mb
 PGZ 30.81 165 P 25 34.40 -1.6
 THZ 31.20 170 eP 25 38.30 -1.2
 WB2 31.90 250 eP 25 31.00 -14.8X
 i 25 45.50
 i 30 46.00
 LTZ 32.10 172 P 25 46.00 -1.3
 ASPA 33.21 243 iPd 25 56.30 -0.8
 1.2s 13.00nm 4.5mb
 ePcP 28 34.60
 eS 31 04.60
 WARB 40.23 242 eP 26 57.00 1.0
 PMO 44.84 100 iP 27 33.00 -0.4

1.0s 35.00nm 4.9mb
 VAH 45.10 101 iP 27 35.00 -0.4
 1.0s 15.00nm 4.5mb
 TPT 45.11 100 iP 27 35.20 -0.4
 1.0s 25.00nm 4.7mb
 RUV 45.34 100 iP 27 37.00 -0.3
 1.0s 40.00nm 5.0mb
 COOL 46.12 238 eP 27 43.00 -0.4
 KAKJ 52.98 334 eP 28 34.40 -1.0
 CHJJ 53.37 333 P 28 36.90 -1.5
 MAT 54.14 332 iPc 28 42.30 -1.8
 1.0s 25.00nm 5.0mb
 MTMJ 54.36 332 P 28 44.40 -1.4
 NIJJ 54.36 333 P 28 44.40 -1.2
 TSRJ 54.39 330 P 28 45.00 -0.8
 SSE 60.13 316 Pc 29 25.50 -0.7
 1.0s 27.00nm 5.1mb
 NJ2 62.30 315 Pc 29 40.00 -0.7
 0.8s 100.00nm 5.8mb
 SMY 63.84 5 P 29 50.40 0.0
 0.9s 83.33nm 5.6mb
 KGM 63.85 278 eP 29 51.50 0.2
 ADK 64.35 12 P 29 53.40 -0.4
 1.1s 62.50nm 5.4mb
 MDJ 64.52 332 eP 29 54.50 -0.5
 1.0s 40.00nm 5.3mb
 WHN 64.70 311 Pc 29 55.50 -0.9
 DL2 64.71 323 eP 29 55.50 -0.9
 1.0s 100.00nm 5.7mb
 CN2 65.93 329 Pc 30 03.40 -0.7
 0.8s 40.00nm 5.4mb
 eS 38 28.00
 SBA 66.84 180 iPc 30 10.00 0.7
 BJI 68.73 321 eP 30 21.00 -0.6
 1.0s 20.00nm 4.9mb
 GYA 68.76 304 P 30 22.20 -0.1
 TIY 69.83 317 Pc 30 27.40 -1.2
 0.9s 30.00nm 5.1mb
 XAN 70.42 312 Pc 30 32.00 -0.2
 1.0s 100.00nm 5.6mb
 HHC 72.09 319 eP 30 42.00 -0.1
 1.2s 40.00nm 5.0mb
 CHG 72.61 294 ePc 30 46.00 0.6
 1.0s 17.00nm 4.7mb
 CD2 72.93 307 iPd 30 47.80 0.7
 1.0s 50.00nm 5.2mb
 BTO 72.95 319 eP 30 47.60 0.5
 LZH 75.06 312 P 30 59.50 0.1
 1.5s 100.00nm 5.3mb
 Z 25s 0.27um 4.4mszx
 YAK 78.16 343 iPc 31 15.90 0.0
 TTA 79.26 17 P 31 21.90 -0.1
 1.0s 50.50nm 5.2mb
 GTA 79.35 314 iPc 31 24.20 1.2
 1.0s 40.00nm 5.1mb
 PMR 80.36 20 P 31 27.20 -0.5
 1.0s 37.50nm 5.1mb
 SHL 80.89 298 iP 31 31.50 0.0
 KLU 81.40 21 P 31 33.40 0.1
 FOX 82.21 46 iPc 31 38.96 1.2
 NWRM 82.26 48 P 31 38.70 0.6
 PCC 82.31 50 iPc 31 38.70 0.4
 FHC 82.31 46 iPc 31 39.12 0.7
 IMA 82.35 15 P 31 38.30 0.1
 1.0s 14.25nm 4.7mb
 GCC 82.44 50 iPc 31 39.12 0.1
 BKS 82.55 49 iPc 31 40.00 0.4
 1.0s 104.00nm 5.6mb
 ZSP 82.55 49 iP 31 39.97 0.4
 PRS 82.68 51 iPc 31 40.98 0.7
 SAO 82.76 50 iP 31 40.99 0.2
 MHC 82.81 50 ePc 31 41.65 0.5
 BLP 82.85 53 P 31 44.30 3.1X
 ARN 82.89 50 P 31 42.50 1.1
 LLA 83.10 51 eP 31 43.18 0.7
 FBA 83.14 18 P 31 41.20 -0.9
 0.8s 92.07nm 5.6mb
 PRI 83.15 51 iPc 31 44.00 1.1
 SYP 83.17 53 eP 31 44.00 0.9
 WDC 83.26 47 iPc 31 43.54 0.4
 BCH 83.30 52 P 31 44.70 1.1
 LTCM 83.43 47 P 31 44.70 0.7
 ORV 83.66 48 iPc 31 45.42 0.2
 MIN 83.85 47 iPc 31 46.06 -0.3
 CMB 83.98 50 iPc 31 47.25 0.3
 LBFM 83.99 46 P 31 47.40 0.3
 FRI 84.15 51 iPc 31 48.21 0.5

PAS	84.48	54 eP	31	50.00	0.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</
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23d 09h

ARE 2.27 291 iPc 22 05.30 0.0
 IS 22 36.20
 CCH 3.00 92 iP 22 14.50 0.5
 PPD 17.57 108 (P) 25 19.00 -0.6
 KIC 67.94 76 P 32 06.30 0.3
 S.D. = 0.6 on 6 of 6 obs.

JUN 23, 1991 09h 42m 25.02± 0.69s
 45.505 N ± 6.2km 14.288 E ± 5.3km
 DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)
 MD 2.4 (TRI), 2.4 (LJU).

RIY 0.17 157 iPgd 42 28.20 -0.8
 ISg 42 30.80
 CEY 0.25 23 iPgd 42 29.90 -0.5
 ISg 42 33.50
 TRI 0.42 299 ePg 42 33.30 -0.3
 ISg 42 40.80
 LJU 0.57 18 ePg 42 36.00 -0.5
 eSg 42 44.90
 VOY 0.59 332 ePg 42 37.30 0.2
 eSg 42 46.30
 VBY 0.68 90 ePg 42 39.40 0.9
 eSg 42 46.60
 PTJ 1.24 71 iPgd 42 48.30 0.3
 eSg 43 05.40
 CTI 1.92 287 P 42 59.00 0.8
 eSg 43 25.00
 S.D. = 0.7 on 8 of 8 obs.

JUN 23, 1991 10h 04m 00.33± 0.11s
 26.637 N ± 2.8km 93.187 E ± 1.9km
 DEPTH = 33.2km (32 depth phases)
 5.3mb (94 obs.) 4.4Msz (7 obs.)

EASTERN INDIA (317)
 Felt at Gauhati.

LSA 3.54 330 Pn 05 00.10 5.3X
 Pg 05 09.00
 Sg 05 55.00
 GUN 6.63 283 P 05 38.98 0.7
 PKI 6.99 279 P 05 43.32 -0.1
 0.4s 622.00nm 6.9mb X
 KKN 7.13 281 P 05 45.34 0.1
 DMN 7.27 279 P 05 47.22 0.1
 0.4s 389.00nm 6.8mb X
 GKN 7.73 282 P 05 53.14 -0.4
 KMI 8.73 98 Pc 06 08.50 0.9
 Z 18s 3.10um
 sP 06 20.50
 S 07 50.00
 CHG 9.42 145 ePn 06 17.00 0.1
 CD2 10.20 63 iPd 06 28.00 0.4
 Z 15s 3.50um
 eS 08 18.00
 BDT 10.79 149 eP 06 32.00 -3.6X
 GYA 12.07 88 Pc 06 52.00 -1.1
 LZH 13.09 41 P 07 06.80 0.1
 1.5s 120.00nm 5.7mb
 Z 10s 1.12um 4.4Msz
 pP 07 11.00
 GTA 13.89 22 P 07 17.00 -0.2
 0.8s 10.00nm 4.6mb
 Z 16s 3.90um 5.2Msz
 N 12s 2.90um
 sP 07 25.00
 NDI 14.30 282 iPd 07 18.50 -4.0X
 0.5s 52.82nm 5.4mb
 IS 09 47.00
 NNT 15.27 155 eP 07 33.20 -1.9
 XAN 15.45 58 Pd 07 35.30 -2.2
 1.2s 80.00nm 4.8mb
 HYB 16.37 239 eP 07 46.30 -3.0X
 1.0s 70.00nm 4.7mb
 e 07 53.50
 IS 10 36.70
 QIZ 17.11 113 eP 07 57.70 -0.9
 0.8s 40.00nm 4.6mb
 WMO 17.71 347 eP 08 08.50 2.4
 N 14s 1.30um
 E 19s 1.70um
 pP 08 19.50
 S 11 23.00
 SS 11 46.00
 WHN 18.98 73 ePd 08 22.00 0.4
 1.0s 100.00nm 5.0mb

Z 16s 2.00um 4.6Msz
 E 14s 2.50um
 sP 08 36.00
 KSH 19.23 316 P 08 28.00 3.3X
 S 12 02.00
 sS 12 16.00
 POO 19.58 250 iPd 08 34.00 5.4X
 1.0s 120.00nm 5.1mb
 IS 14 44.00
 GBA 19.64 232 Pc 08 28.90 -0.4
 0.7s 35.60nm 4.8mb
 TIY 19.64 51 Pc 08 26.90 -2.4
 1.0s 60.00nm 4.8mb
 Z 18s 2.10um 4.5MszX
 pP 08 35.00 32km
 S 12 02.00
 BTO 19.71 41 eP 08 28.50 -1.5
 N 12s 0.90um
 E 12s 0.90um
 pP 08 37.00 33km
 S 12 06.00
 SS 12 34.50
 BOM 20.29 252 iPc 08 36.20 0.2
 eS 12 15.00
 SNG 20.60 159 eP 08 39.00 -0.3
 0.8s 198.51nm 5.5mb
 eS 12 28.10
 HHC 20.78 42 eP 08 40.80 -0.4
 1.4s 100.00nm 5.0mb
 Z 18s 2.40um 4.6Msz
 KOD 22.06 225 eP 08 56.00 1.6
 eS 12 56.00
 TIA 22.50 59 Pc 08 59.20 0.9
 N 12s 0.50um
 eS 13 03.00
 GAR 22.76 308 eP 09 01.60 0.6
 IS 13 09.00
 QZH 22.93 89 eP 09 02.80 0.3
 NJ2 22.99 70 Pc 09 03.50 0.4
 1.0s 100.00nm 5.3mb
 Z 18s 0.90um 4.3Msz
 sP 09 19.50
 IPM 23.18 160 ePc 09 11.90 6.8X
 0.9s 66.80nm 5.1mb
 BJI 23.32 49 eP 09 08.00 1.8
 0.8s 38.00nm 5.0mb
 Z 18s 0.94um 4.3Msz
 QUE 23.33 285 eP 09 08.30 1.6
 KLM 24.77 159 ePd 09 21.50 1.1
 SSE 24.89 73 Pc 09 22.20 0.7
 0.8s 45.00nm 5.1mb
 Z 20s 2.10um 4.6Msz
 E 15s 1.70um
 sP 09 37.80
 sS 13 52.00
 KGM 26.34 157 ePc 09 35.10 -0.1
 DL2 26.75 56 Pc 09 39.50 0.8
 1.2s 100.00nm 5.3mb
 Z 10s 0.60um 4.4MszX
 pP 09 49.50 36km
 eS 14 14.00
 IRK 26.94 15 eP 09 42.10 1.7
 e 09 55.80 56kmX
 e 10 11.20
 eS 14 31.00
 e 14 52.00
 PGP 29.09 111 iPc 09 59.50 -0.6
 MA10 30.18 297 iPc 10 11.00 1.1
 0.9s 21.31nm 4.9mb
 eS 15 20.00
 CN2 31.17 48 Pc 10 18.80 0.4
 0.8s 50.00nm 5.4mb
 Z 16s 1.50um 4.8MszX
 N 10s 0.20um
 E 10s 0.30um
 epP 10 29.00 37km
 eS 15 22.00
 TSM 32.60 129 ePd 10 29.20 -1.9
 MDJ 34.25 49 eP 10 43.00 -2.2
 1.0s 60.00nm 5.5mb
 CGP 34.91 115 eP 10 50.50 -0.6
 IR4 37.04 294 iPc 11 10.50 1.3
 IR1 37.22 294 iPc 11 12.50 1.8
 IR7 37.30 295 iPc 11 13.00 1.7
 IR5 37.31 294 eP 11 13.00 1.6
 TSRJ 37.47 66 P 11 13.50 1.0
 DHR 38.40 279 iPc 11 22.00 1.5

MTMJ 38.97 64 P 11 25.70 0.4
 TRT 39.00 148 iPc 11 25.10 -0.4
 0.8s 125.00nm 5.7mb
 MAT 39.30 64 iPc 11 27.90 0.0
 0.7s 73.29nm 5.6mb
 MNI 39.39 124 eP 11 30.00 1.2
 CHJJ 39.93 65 eP 11 34.90 1.8
 NIJJ 39.95 63 P 11 32.70 -0.6
 YAMJ 40.81 62 P 11 40.60 0.3
 TAB 40.81 298 eP 11 43.00 2.5X
 KAKJ 40.88 65 P 11 40.00 -0.9
 RYD 41.84 278 iPc 11 50.00 1.0
 OFUJ 42.12 60 eP 11 49.70 -1.3
 YAK 42.91 24 iPc+ 11 58.00 0.9
 ASAJ 43.25 53 P 12 01.50 1.3
 HOOJ 43.54 56 P 12 05.80 3.2X
 KUSJ 44.64 55 eP 12 11.30 -0.2
 AAI 45.32 126 eP 12 26.10 8.9X
 BISH 46.68 273 iPc 12 29.60 1.6
 OBN 49.59 321 iPc 12 51.00 0.9
 Z 20s 0.40um 4.4Msz
 e 13 01.00 34km
 e 14 11.00
 BHL 49.67 293 P 12 50.00 -1.1
 HRI 49.69 292 iPc 12 52.60 1.3
 DSI 50.26 290 iPc 12 56.50 1.0
 KAS 50.48 303 iPc 12 58.20 1.0
 RMN 51.09 289 iPc 13 02.50 0.5
 BCK 53.28 298 eP 13 17.20 -1.1
 ALT 53.46 300 iP 13 20.50 0.9
 HRT 53.61 302 iP 13 20.00 -0.6
 ELL 53.92 297 iP 13 23.10 0.1
 HLW 54.00 289 ePc 13 23.00 -0.5
 KHL 54.01 299 iP 13 23.20 -0.4
 ISK 54.05 303 eP 13 24.00 0.3
 AMAN 54.11 281 iPc 13 25.00 0.6
 AKSR 54.12 281 iPc 13 25.00 0.5
 0.5s 135.00nm 6.2mb
 AGAL 54.35 281 iPc 13 27.50 1.3
 CFR 54.38 308 ePc 13 27.00 0.9
 AKRL 54.38 281 iPc 13 26.00 -0.4
 PSN 54.46 306 eP 13 23.00 -3.7X
 KNA 54.50 137 iPd 13 26.10 -1.2
 AGMR 54.57 281 iPc 13 28.50 0.7
 1.0s 827.00nm 6.7mb X
 BNT 54.98 302 iP 13 30.00 -0.7
 EDC 55.03 302 iP 13 31.00 0.0
 YER 55.15 298 eP 13 31.50 -0.5
 VRI 55.34 309 iPc 13 34.00 0.9
 KGT 55.44 302 eP 13 34.20 0.3
 JMB 55.74 305 iPc 13 36.00 -0.1
 MLR 55.91 308 ePc 13 39.00 1.6
 ALN 56.33 303 ePc 13 40.50 0.2
 PRK 56.39 301 iPd 13 40.50 -0.3
 PVL 56.57 306 iPd 13 43.00 1.0
 NUR 56.66 327 iP 13 42.20 -0.2
 0.8s 46.90nm 5.6mb
 i 13 53.20 37km
 RDO 56.68 303 iPd 13 42.90 0.1
 KDZ 56.70 304 iPc 13 43.00 0.0
 SOD 56.70 335 iP 13 43.00 0.3
 KEV 57.05 338 iP 13 45.80 0.7
 0.7s 64.10nm 5.8mb
 TNR 57.06 309 ePc 13 45.00 -0.6
 PLD 57.17 305 iPc 13 46.00 -0.3
 RZN 57.22 304 iPc 13 46.00 -0.9
 PGB 57.50 305 iPc 13 49.00 0.3
 MMB 57.96 304 eP 13 52.00 0.1
 SRS 58.14 304 ePc 13 41.01 -12.1X
 VTS 58.20 305 iPc 13 53.00 -0.7
 SOH 58.36 303 ePc 13 54.00 -0.7
 KKB 58.40 304 iP 13 54.00 -0.9
 KNT 58.65 304 ePc 13 51.62 -5.0X
 VAY 58.86 304 iP 13 57.30 -0.8
 GRG 59.05 303 ePc 13 59.14 -0.4
 LIT 59.13 303 ePc 13 59.10 -1.0
 SPC 59.42 313 eP 14 03.40 1.3
 i 14 13.10 32km
 VLI 59.44 299 eP 14 00.20 -2.0
 AGG 59.45 301 ePd 14 00.74 -1.6
 KRA 59.52 314 eP 14 02.20 -0.4
 1.0s 37.00nm 5.5mb
 e 14 43.00 175kmX
 SKO 59.59 305 ePc 14 02.00 -1.2
 i 14 12.90 37km
 KZN 59.64 303 iPd 14 03.00 -0.6
 MRWA 59.69 157 eP 14 03.00 -0.9

PZS	59.80	312	iP	14	04.90	-0.3				e	14	48.00	34km	LRG	70.02	309	iPc	15	10.90	-0.1
TRO	59.82	337	iPd	14	04.30	-0.1	DUI	64.76	306	P	14	37.00	-0.9		0.8s	26.85nm			5.4mb	
FNA	59.85	303	iPc	14	14.14	9.1X	FVI	64.80	311	Pc	14	37.00	-0.9	Z	22s	0.28um			4.5MsZ	
UPP	60.16	326	iPc	14	06.60	-0.2	ATN	64.89	302	Pc	14	38.30	-0.3	LOR	70.51	314	iPc	15	13.20	-0.6
	0.6s	100.00nm			6.1mb		OIS	65.00	131	iPc	14	39.00	-0.5		0.9s	19.65nm			5.2mb	
BUD	60.44	311	e(P)	14	16.70	33km	VVI	65.18	311	P	14	39.10	-1.3	LBF	70.52	313	iPc	15	13.40	-0.5
PVY	60.56	306	iPc	14	09.87	0.0	SDI	65.22	306	P	14	39.40	-1.4	SMF	70.72	313	iPc	15	14.60	-0.4
IYA	60.56	306	iPc	14	09.92	0.0	AQU	65.36	307	P	14	41.80	0.2		0.8s	36.25nm			5.5mb	
PLE	60.84	307	iPc	14	12.24	0.4	ARV	65.40	308	Pc	14	41.80	-0.1	SSF	70.80	314	iPc	15	15.40	-0.1
UZD	60.87	310	iP	14	12.10	0.3	WTTA	65.41	312	iPc	14	41.30	-0.8		0.8s	45.00nm			5.6mb	
NAI	60.95	252	iPc	14	13.00	-0.1		0.9s	57.40nm			5.7mb	AVF	70.99	313	iPc	15	16.30	-0.3	
	1.5s	2861.11nm			7.2mb	X			i	14	51.60	33km		0.9s	38.50nm			5.5mb		
TTG	61.10	306	iPc	14	12.85	-0.6	CTI	65.69	311	P	14	43.11	-0.7	BRW	71.15	19	P	15	18.20	1.0
WRA	61.13	135	P	14	13.00	-0.9		0.7s	24.70nm			5.4mb	BGF	71.39	313	iPc	15	18.90	-0.2	
	0.6s	127.00nm			6.2mb		ASS	65.71	308	P	14	43.60	-0.3		0.9s	19.65nm			5.1mb	
WB2	61.14	135	iPd	14	13.20	-0.8	MNS	65.87	307	P	14	43.80	-1.1	MAF	71.69	313	iPc	15	21.10	0.2
		e		14	23.60	34km	OGA	65.91	312	iPc	14	44.50	-0.8		0.9s	27.85nm			5.3mb	
		e		14	53.30			1.0s	43.00nm			5.5mb	TCF	71.90	313	iPc	15	22.40	0.2	
ULC	61.20	305	iPc	14	13.09	-1.1	RDP	66.00	306	P	14	44.60	-1.2		0.8s	38.95nm			5.5mb	
NKY	61.22	306	iPc	14	14.17	-0.3	SFI	66.07	309	Pc	14	46.90	0.9	EKA	71.98	323	Pc	15	22.70	0.3
BDV	61.45	306	iPc	14	14.79	-1.1	CRE	66.07	308	P	14	46.30	0.0		1.1s	44.60nm			5.4mb	
BRY	61.53	306	iPc	14	16.19	-0.4	PGD	66.17	309	P	14	47.77	0.8	QLP	72.22	133	iPc	15	25.40	1.2
ZST	61.61	312	iP	14	16.70	-0.2	MME	66.80	309	P	14	51.60	0.5		0.6s	220.00nm			6.3mb	
		i		14	26.20	31km	BDI	66.91	309	P	14	50.90	-0.7	LSF	72.36	313	iPc	15	24.60	-0.2
WARB	61.62	146	iPc	14	17.00	-0.2	PII	67.05	309	P	14	51.10	-1.2		1.0s	15.00nm			4.9mb	
	0.4s	9.00nm			5.3mb		MDI	67.06	311	P	14	51.50	-0.9	CAF	72.46	312	iPc	15		

23d 10h

0.6s 14.00nm 5.1mb
pP 16 14.00 32km
COO 79.91 132 iPd 16 09.60 2.0
EPLA 79.91 310 eP 16 08.50 1.0
BWA 80.15 136 iPc 16 10.20 1.4
KLU 80.17 25 P 16 00.00 -8.5X
EHOR 80.31 307 eP 16 10.00 0.3
EPRU 80.67 307 eP 16 11.00 -0.7
CAN 81.10 137 eP 16 14.40 0.6
SLR 81.38 236 iPc 16 14.50 -1.1
0.9s 79.83nm 5.7mb
i 16 25.50 35km

EVAL 81.48 308 eP 16 16.70 0.9
IFR 82.13 303 iPc 16 21.00 1.5
PRY 82.66 235 eP 16 12.50 -9.7X
0.5s 9.73nm 5.1mb
i 16 22.50 32km

SEK 83.34 234 iPc 16 26.50 0.8
1.2s 54.69nm 5.5mb
AVE 83.93 304 iPc 16 29.00 0.5
BLF 84.82 234 iPc 16 33.00 -0.1
1.0s 120.00nm 6.0mb

FRS 85.81 234 iPc 16 38.40 0.6
0.8s 18.66nm 5.4mb
DZM 85.84 117 iPc 16 39.70 1.4
HVD 86.15 233 eP 16 51.70 12.0X
1.2s 31.25nm

YKA 88.44 13 eP 16 50.40 0.3
0.9s 7.00nm 5.0mb
FRB 88.78 352 eP 16 52.00 0.3
KIC 94.22 279 P 17 18.60 0.8
TIC 94.34 280 P 17 19.00 0.7
LIC 94.54 279 P 17 19.90 0.7
FFC 97.93 9 eP 17 34.00 0.0
1.0s 11.00nm 5.3mb

TNP 109.59 25 PKP 22 30.70 1.1
0.7s 1.00nm
ALO 116.00 18 ePKP 22 42.50 0.5
BAO 142.31 279 ePKPc 23 28.00 -4.1X
VAO 143.75 267 ePKP 23 33.00 -1.3
PPD 147.40 270 ePKP 23 41.20 0.9
e 23 43.70
e 23 53.20
e 23 57.30

SIV 153.84 289 PKPc 23 49.00 -1.1
i 23 57.70
ZOBO 159.80 297 PKP 23 58.70 0.5
LPB 159.93 296 PKP 23 59.00 0.9
MDZ 163.21 244 ePKP 24 02.60 2.0
S.D. = 0.9 on 304 of 326 obs.

JUN 23, 1991 10h 05m 52.55±1.24s
41.914 N ±10.2km 19.326 E ±5.3km
DEPTH = 10.0km (geophysicist)

ALBANIA (391)
ML 2.0 (TTG).

ULC 0.07 311 iPg 05 55.20 0.2
iSg 05 57.25
TTG 0.52 355 iPg 06 02.61 -0.4
iSg 06 11.03
BDV 0.52 315 iPg 06 03.05 -0.1
iSg 06 11.53
HCY 0.81 311 iPg 06 07.98 -0.3
iSg 06 21.28
PVY 0.83 35 iPg 06 08.71 0.0
iSg 06 21.70
NKY 0.93 345 iPg 06 10.28 -0.1
iSg 06 24.85
IVA 1.05 24 iPg 06 12.45 0.1
iSg 06 28.81
BRY 1.14 330 iPg 06 14.41 0.4
iSg 06 32.21
PLE 1.42 2 iPg 06 18.81 0.4
iSg 06 20.50
SKO 1.58 87 ePn 06 20.50 -0.1
S.D. = 0.3 on 10 of 10 obs.

JUN 23, 1991 10h 44m 02.31±0.18s
39.481 N ±4.1km 29.862 W ±2.2km
DEPTH = 10.0km (geophysicist)

5.1mb (72 obs.) 4.5MsZ (8 obs.)
AZORES ISLANDS (405)
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 10:44: 5.1 0.7

Lot 39.57N FIX; Lon 29.92W FIX
Dep 15.0 FIX Half-duration 1.7
Moment Tensor; Scale 10**16 Nm

Mrr=-2.70 0.95 Mtt=-5.07 1.68
Mff= 7.76 1.17 Mrt= 0.00 0.00
Mrf= 0.00 0.00 Mtr= 2.81 0.82

Principal Axes:
T Vol= 8.35 Plg= 0 Azm=102
N -2.70 90 180
P -5.66 0 12

Best Double Couple: Mo=7.0*10**16
NP1: Strike=147 Dip=90 Slip=-180
NP2: 237 90 0

HOR 1.35 134 iPc 44 25.20 -1.9
iS 44 41.40
PICO 1.49 131 iPc 44 27.50 -1.6
eS 44 45.40

ADH 2.21 111 iPc 44 36.60 -2.9
PDA 3.72 116 iPc 44 58.20 -2.8
MTH 16.04 86 eP 47 49.20 -0.3
LIS 16.10 86 eP 47 49.00 -1.2
PTO 16.30 77 eP 47 50.50 -2.3
COI 16.49 81 eP 47 56.00 0.9
MOE 16.75 86 eP 48 06.00 7.5X
MTE 17.14 80 iPd 48 05.50 2.0
i 48 18.00

EMON 17.33 70 iPc 48 09.42 3.6X
FIG 17.46 91 eP 48 06.00 -1.4
MVO 17.49 77 iPd 48 08.80 1.0
i 48 23.00

EVAL 18.18 89 eP 48 17.94 1.6
EPLA 18.28 81 eP 48 18.37 0.7
AVE 19.08 102 iP 48 26.50 -0.8
EHOR 19.28 87 eP 48 29.64 -0.3
EJIF 19.45 91 eP 48 32.41 0.4
EPRU 19.50 90 eP 48 32.41 -0.1
GUD 19.70 78 iPc 48 34.68 -0.1
TOL 19.86 81 iP+ 48 35.00 -1.3
iPP 48 48.00
iS 52 20.00

TIO 20.31 108 iP 48 42.00 0.8
i 49 07.00
EBAN 20.34 85 eP 49 02.01 0.6
ECOG 20.71 88 eP 48 45.79 0.4
IFR 20.73 99 iP 48 44.00 -1.6
i 48 45.50
i 48 48.50

DCN 20.73 41 eP 48 45.60 0.4
AFC 20.73 88 eP 48 46.09 0.4
EGUA 20.82 89 eP 48 47.20 0.8
ECRI 20.83 73 eP 48 46.58 0.1
DLF 21.08 41 eP 48 52.80 4.0X
1.3s 185.00nm 5.3mb
DMU 21.22 40 eP 48 50.50 0.3
1.3s 287.00nm 5.5mb

EVIA 21.24 84 iPd 48 51.12 0.4
ETOR 21.27 77 eP 48 51.04 0.0
EHUE 21.34 86 eP 48 51.40 -0.3
ECHE 22.25 80 eP 49 04.50 3.7X
LPF 22.40 58 eP 49 01.60 -0.5
1.5s 141.00nm 5.2mb

EGRA 22.47 74 eP 49 08.88 6.0X
BTH 22.52 71 ePc 49 10.50 7.1X
(sP) 49 25.00
ePP 49 44.00
ePcP 52 21.00
eS 53 13.00

GRR 22.59 57 eP 49 03.00 -1.1
1.5s 135.80nm 5.2mb
MFF 22.76 62 eP 49 05.30 -0.5
0.9s 44.20nm 5.0mb

ACU 22.87 83 eP 49 09.14 2.2
EPF 22.92 71 eP 49 07.50 0.1
1.4s 91.50nm 5.1mb
FLN 22.92 56 eP 49 07.40 0.1
1.3s 93.85nm 5.2mb
Z 18s 0.68um 4.1MsZ

LDF 23.12 57 eP 49 09.10 -0.1
1.4s 108.90nm 5.2mb
EROO 23.13 77 eP 49 10.43 1.1
EBR 23.19 77 eP 49 11.00 1.0
eS 53 24.00

LFF 23.23 66 eP 49 09.80 -0.5
1.2s 62.50nm 5.0mb
LPO 23.54 67 eP 49 12.90 -0.4
1.3s 50.55nm 4.9mb

RJF 23.80 66 eP 49 16.00 0.1
1.0s 16.00nm 4.6mb
Z 22s 1.35um 4.4MsZ

EKA 23.83 39 P 49 17.00 1.0
1.4s 80.40nm 5.1mb
LSF 23.88 63 eP 49 16.30 -0.3
1.5s 135.80nm 5.3mb

CAF 24.17 67 eP 49 19.10 -0.4
1.1s 30.50nm 4.8mb
TCF 24.35 63 eP 49 21.60 0.4
0.9s 36.05nm 5.0mb

MAF 24.59 63 eP 49 23.60 0.0
1.3s 81.25nm 5.2mb
BGF 24.81 63 eP 49 25.60 -0.1
1.0s 72.00nm 5.3mb

ETER 24.81 73 eP 49 29.06 3.4X
PYM 24.87 65 P 49 26.81 0.5
AGO 24.97 64 P 49 28.46 1.2
LBL 25.02 66 P 49 27.00 -0.7
GRC 25.03 61 P 49 27.92 0.2
AVF 25.18 62 eP 49 28.60 -0.5
1.2s 40.15nm 5.0mb

SSF 25.30 62 eP 49 30.50 0.1
1.1s 35.40nm 5.0mb
PLDF 25.31 64 P 49 30.78 0.3
SMF 25.50 63 eP 49 31.80 -0.4
1.2s 66.95nm 5.2mb

LOR 25.56 61 eP 49 32.80 0.0
1.5s 86.20nm 5.2mb
Z 20s 0.98um 4.3MsZ

LBf 25.62 62 eP 49 33.20 -0.2
1.1s 26.85nm 4.8mb
SNF 26.32 54 P 49 39.80 0.1
UCC 26.42 53 P+ 49 41.00 0.3
DOU 26.43 55 P 49 40.90 0.1
0.8s 20.00nm 4.9mb
Z 14s 1.00um 4.5MsZ

S 54 16.00
GRN 26.78 66 P 49 50.99 6.8X
VITF 27.08 59 P 49 46.28 -0.5
AKU 27.11 11 eP 49 49.90 3.1X
1.1s 45.57nm 5.1mb

HAU 27.31 60 eP 49 47.90 -0.9
1.0s 24.00nm 4.9mb
Z 19s 0.90um 4.4MsZ

ENN 27.39 54 eP 49 50.00 0.5
0.9s 37.00nm 5.1mb
MEM 27.42 54 P 49 49.80 0.1
BNI 27.44 66 P 49 53.70 3.4X
MBO 27.45 152 eP 49 56.00 5.7X
LPL 27.48 65 eP 49 51.00 0.3
1.2s 22.30nm 4.8mb

LPG 27.49 65 eP 49 50.90 0.0
1.2s 26.80nm 4.9mb
FRF 27.49 70 eP 49 50.10 -0.5
1.1s 29.30nm 4.9mb

LOMF 27.58 61 P 49 52.41 1.0
BSF 27.59 60 eP 49 50.40 -1.1
1.1s 31.75nm 5.0mb

MOF 27.82 60 P 49 54.05 0.4
ECH 27.86 60 P 49 53.45 -0.5
DOI 27.87 67 P 49 55.10 1.0
CDF 27.96 59 P 49 54.20 -0.6
WLS 28.01 59 P 49 54.77 -0.5
SBF 28.04 69 eP 49 56.20 0.6
1.0s 38.00nm 5.1mb

WTS 28.17 51 eP 49 58.00 1.4
1.0s 13.00nm 4.7mb
GWF 28.23 58 P 49 56.92 -0.3
FEL 28.41 60 P 49 58.28 -0.7
VAI 28.90 65 P 50 01.30 -1.9
SCH 29.01 314 eP 50 03.00 -1.2
PGF 29.31 71 eP 50 07.00 -0.1
1.1s 12.20nm 4.6mb

BOB 29.42 67 P 50 09.40 1.3
MDI 29.56 65 P 50 09.00 -0.1
MME 30.36 68 P 50 17.50 0.9
OGA 30.44 62 eP 50 18.00 0.7
WTTA 30.85 62 iPc 50 20.30 -0.5
1.1s 26.70nm 5.0mb

ic 50 21.30
CTI 30.90 64 P 50 20.10 -1.1
MOX 30.96 55 eP 50 21.50 -0.1
1.8s 50.00nm 5.1mb
Z 16s 9.50um 5.5MsZ

N 14s 1.20um
E 17s 4.30um

23d 11h

IIDJ	7.19	209	P	41 15.10	0.8	GBA	62.24	263	Pc	48 46.50	-0.7	SKO	80.87	319	eP	50 38.80	0.8
			eS	40 16.20			0.8s	32.00nm		5.5mb					e	50 59.50	
TSRJ	7.95	219	P	41 42.00		BMW	63.97	50	P	48 59.10	0.7	V8Y	80.94	325	e(P)	50 38.90	0.6
			eS	40 27.60	1.8	RMW	64.22	49	P	49 00.60	0.6	WTTA	80.99	328	iPc	50 39.40	0.6
MDJ	9.56	291	Pc	41 59.70		PNT	64.36	46	eP	49 00.00	-0.8		0.6s		9.90nm		4.9mb
	1.2s	100.00nm		40 50.00	2.1		0.9s	18.00nm		5.0mb				i		50 43.90	
CN2	12.40	285	eP		5.6mb	KOD	64.41	261	eP	49 02.00	0.1			i		51 04.00	
KUMJ	12.95	228	eP	41 26.80	0.7	LON	64.62	49	P	49 02.40	-0.2	ANMO	81.07	51	P	50 40.10	0.7
SNY	13.84	276	eP	41 36.80	3.5X	ASPA	65.65	188	iPc	49 08.60	-0.6		1.2s		36.13nm		5.2mb
KAGJ	13.97	224	P	41 47.60	2.7X		1.1s	6.20nm		4.5mb		ALO	81.07	51	eP	50 40.30	0.9
DL2	15.90	266	P	41 45.90	-0.7	NUR	65.96	331	iP	49 09.60	-1.2		1.0s		5.50nm		4.4mb
	1.0s	200.00nm		42 12.40	1.0		0.7s	24.00nm		5.2mb				eP		51 01.00	77kmX
BJI	19.67	273	eP		5.2mb	NEW	66.32	46	P	49 13.10	-0.3	VOY	81.09	326	eP	50 38.40	-0.8
	1.0s	60.00nm		42 53.50	-2.9X		0.8s	8.23nm		4.7mb		CEY	81.10	326	e(P)	50 39.00	-0.2
Z	24s	0.44um			4.8mb	WDC	67.78	55	ePc	49 23.00	0.3	OGA	81.56	328	iPc	50 42.50	0.7
SSE	19.94	244	P	42 56.00	-3.2X	SES	68.12	41	ePc	49 23.50	-1.3		0.9s		13.00nm		4.9mb
	0.7s	10.00nm			4.2mb	RMQ	68.29	174	eP	49 32.20	6.3X	CDF	81.67	331	iPc	50 42.50	0.3
		pP		43 14.00	93kmX			e	49 45.30			0.9s		13.10nm		4.9mb	
NJ2	20.97	250	Pd	43 07.50	-2.3	MIN	68.49	55	ePc	49 27.10	-0.3	OHR	81.83	319	eP	50 43.50	0.4
YAK	21.50	344	iPc	43 10.80	-4.1X			e	49 45.30		CTI	81.98	328	Pc	50 43.30	-0.6	
		iPP		43 30.00	90kmX	ORV	69.04	55	eP	49 30.20	-0.3	BSF	82.33	331	iPc	50 45.50	-0.2
		iPP		43 38.00				e	49 49.40			0.7s		4.40nm		4.5mb	
		iPPP		43 46.00		FFC	69.36	34	iPc	49 32.10	-0.1	HAU	82.34	332	eP	50 45.80	0.2
		eS		46 58.00			0.8s	28.00nm		5.2mb			0.8s		6.70nm		4.6mb
		iPcP		47 12.00		HFS	69.92	335	eP	49 34.60	-0.9	Z	21s		0.08um		4.0Msz
		eSS		47 32.00			0.8s	25.10nm		5.2mb		VAI	83.26	329	P	50 50.30	0.0
HHC	22.92	278	eP	43 27.00	-2.2	NAO	70.24	337	P	49 36.40	-1.1	ARV	83.53	325	P	50 52.30	0.5
Z	3Bs	0.80um			4.0MszX		0.8s	21.50nm		5.1mb		SFI	83.64	326	P	50 53.60	1.3
TIY	23.14	270	Pd	43 27.80	-3.5X	LRM	70.33	46	eP	49 38.80	0.2	PGD	83.74	326	P	50 54.40	1.4
BTO	24.12	278	eP	43 39.00	-1.8	CMB	70.66	56	P	49 59.70	19.2X	LOR	83.84	333	iPc	50 53.50	0.2
WHN	25.00	252	eP	43 48.00	-1.1		0.9s	12.54nm					0.8s		21.50nm		5.2mb
	1.0s	30.00nm			4.7mb	PRS	71.09	58	ePc	49 43.30	0.2	Z	22s		0.13um		4.2Msz
XAN	27.21	264	P	44 07.70	-1.8			e	50 02.40		CRE	83.84	326	P	50 54.40	0.9	
IRK	27.49	305	ePc	44 10.70	-1.1	FRI	71.73	57	e(P)	49 46.70	-0.1	MME	83.89	327	P	50 55.10	1.2
		e		44 27.50		FRB	71.94	14	eP	49 46.00	-1.6	FLN	83.92	336	iPc	50 53.80	0.2
LZH	30.14	272	Pc	44 33.00	-3.0	BONR	71.99	55	P	49 49.30	0.5		0.7s		7.70nm		4.8mb
	1.5s	33.00nm			4.8mb	TNP	72.57	54	P	49 52.10	0.0	LDF	83.96	336	eP	50 54.00	0.2
GTA	31.98	280	P	44 51.00	-1.0		0.8s	4.66nm		4.5mb			0.7s		7.70nm		4.8mb
	1.0s	10.00nm			4.6mb	STK	73.39	180	eP	50 16.70	20.3X	L8F	84.05	333	iPc	50 54.50	0.2
Z	20s	0.50um			4.2Msz		1.5s	1.60nm					0.8s		15.45nm		5.1mb
E	10s	0.20um				BW06	73.90	47	P	49 59.90	0.1	SSF	84.14	333	iPc	50 55.30	0.5
CD2	32.53	263	iPd	44 54.80	-1.9		0.9s	10.52nm		4.8mb		LSD	84.21	330	P	50 56.33	0.8
	0.5s	20.00nm			5.2mb	MSU	75.29	51	P	50 08.70	0.8	LPL	84.32	330	iPc	50 56.80	0.8
GYA	32.87	253	P	44 53.40	-6.4X	KRA	75.41	326	iPc	50 08.30	0.3		0.7s		9.90nm		5.0mb
WMO	39.36	292	Pc	45 55.00	0.4		0.8s	47.00nm		5.5mb		LPG	84.33	330	iPc	50 57.00	0.9
	1.0s	40.00nm			5.3mb	RSSD	75.88	43	P	50 10.70	-0.3		0.6s		13.10nm		5.1mb
IMA	42.28	33	P	46 10.50	61kmX		0.8s	9.01nm		4.8mb		GRR	84.37	336	eP	50 56.40	0.5
	0.7s	4.14nm		46 17.20	-1.2	SPC	75.94	325	eP	50 11.90	0.7		0.7s		12.15nm		5.0mb
LSA	42.54	270	P	46 22.60	1.3	KSP	76.29	328	iPc	50 13.30	0.3	SMF	84.39	333	iPc	50 56.50	0.5
CHTO	43.20	251	iP	46 26.10	-0.1		1.0s	31.00nm		5.2mb			0.7s		11.00nm		5.0mb
	0.9s	18.12nm			4.9mb	BRG	77.18	329	iPc	50 17.80	-0.1	AVF	84.43	333	iPc	50 56.80	0.6
KDC	43.27	45	P	46 25.80	-0.4		1.0s	12.00nm		4.8mb			0.7s		25.35nm		5.4mb
	0.7s	5.81nm			4.5mb	CLL	77.18	330	iPc	50 17.70	-0.2	RSP	84.44	330	P	50 55.41	-1.0
BDT	44.21	250	eP	46 33.00	-1.3		1.0s	29.00nm		5.2mb		PCP	84.46	329	P	50 56.02	-0.4
SHL	44.22	265	eP	46 34.50	-0.1	PRU	77.66	328	Pc	50 21.20	0.7	MNS	84.55	325	P	50 56.60	-0.3
PMR	44.47	40	P	46 34.80	-1.2		0.9s	14.00nm		4.9mb		SDI	84.61	324	P	50 57.10	-0.2
	0.9s	27.08nm			5.1mb			e	50 37.00		CKI	84.66	329	P	50 57.20	-0.2	
FBA	44.76	35	P	46 38.30	0.1		0.9s	14.00nm		4.9mb		BHB	84.70	330	P	50 56.34	-1.3
	0.8s	39.66nm			5.3mb	SRO	77.82	325	iP	50 22.00	0.6	BNI	84.74	330	Pc	50 58.70	0.7
KLU	46.01	39	P	46 48.50	0.2	JMB	77.94	317	eP	50 22.00	-0.2	LPF	84.74	336	iPc	50 58.60	0.9
GUN	47.41	272	P	47 00.14	0.1	ZST	78.03	326	eP	50 23.30	0.7		0.7s		11.00nm		5.0mb
KKN	47.92	272	P	47 03.88	0.0	MOX	78.24	330	iPc	50 24.00	0.3	BGF	84.80	333	iPc	50 58.50	0.4
	0.9s	213.00nm			6.1mb X		1.3s	14.00nm		4.7mb			0.8s		10.05nm		4.9mb
PKI	47.94	272	P	47 04.20	0.0	KHC	78.72	328	iPc	50 27.00	0.6	RRL	84.81	330	P	50 58.89	0.4
DMN	48.15	272	P	47 05.82	0.1		0.9s	9.00nm		4.7mb		FIN	84.87	329	P	50 57.56	-0.9
	0.8s	95.00nm			5.8mb			e	50 46.50		ROB	84.93	329	P	50 57.87	-0.9	
GKN	48.29	273	P	47 06.56	-0.1	EKA	78.76	341	Pc	50 26.30	-0.2	DOI	84.99	329	P	50 49.10	-10.1X
	0.7s	81.00nm			5.8mb		0.7s	7.30nm		4.7mb		PZZ	85.04	329	P	50 57.97	-1.5
INK	49.86	29	eP	47 17.00	-0.9	WTS	78.80	334	eP	50 27.00	0.3	ROI	85.06	321	P	51 00.20	0.7
SNG	50.40	239	eP	47 24.40	1.7		0.9s	29.00nm		5.2mb		ENR	85.16	329	P	50 58.18	-1.8
MBC	51.74	18	eP	47 31.00	-1.2	WET	78.98	329	eP	50 28.50	0.7	STV	85.18	329	P	50 58.18	-1.9
KGM	52.79	232	ePc	47 41.00	0.3			e	50 49.00		MAF	85.19	333	iPc	51 01.10	1.1	
GAR	53.25	292	eP	47 42.70	-1.3			e	50 56.00			0.9s		27.85nm		5.3mb	
NDI	53.44	278	iPc	47 46.00	0.6			e	50 56.00		IMI	85.24	329	P	51 00.12	-0.3	
	0.6s	23.33nm			5.4mb			e	50 56.00		TCF	85.25	333	iPc	51 01.10	0.7	
HYB	59.00	266	eP	48 25.00	-0.3			e	50 56.00			0.7s		4.95nm		4.7mb	
KEV	59.14	338	iP	48 24.20	-1.3	KGT	79.02	315	eP	50 28.00	-0.2	LSF	85.51	334	iPc	51 02.40	0.8
	0.7s	10.70nm			5.1mb	PLD	79.16	318	eP	50 30.00	1.2		0.9s		26.20nm		5.3mb
YKA	59.37	32	eP	48 25.80	-1.5	RZN	79.46	317	iPc	50 31.00	0.3	CZI	85.54	321	P	51 00.90	-1.0
	0.8s	5.50nm			4.7mb	MMB	80.03	318	iPc	50 34.00	0.4	MFF	85.74	335	iPc	51 03.80	1.0
QUE	60.13	285	eP	48 32.60	-0.5			i	50 56.00			0.8s		18.80nm		5.2mb	
SOD	60.74	336	iP	48 35.50	-1.0	ENN	80.14	334	eP	50 34.50	0.6	FRF	86.02	329	eP	51 04.40	0.2
WRA	61.92	188	P	48 43.00	-2.0		0.7s	14.00nm		5.0mb		TUL	86.19	44	ePc	51 05.20	0.0
	1.7s	4.70nm			4.3mb	KKB	80.57	16	eP	50 34.00	-0.2		0.6s		3.50nm		4.6mb
MAIO	62.02	295	eP	48 45.00	-0.7	SCH	80.80	318	eP	50 39.50							

LMR 0.9s 13.10nm 5.0mb
86.26 329 iPc 51 05.70 0.3
0.9s 13.10nm 5.0mb
RJF 86.35 333 iPc 51 06.80 1.0
0.7s 8.80nm 4.9mb
Z 22s 0.10um 4.2msz
CAF 86.49 333 iPc 51 08.10 1.5
0.8s 24.20nm 5.3mb
LFF 86.93 334 iPc 51 10.00 1.4
0.8s 18.80nm 5.3mb
LPO 87.01 333 iPc 51 10.20 1.2
0.8s 17.45nm 5.2mb
ZOBO 143.58 55 PKP 57 58.00 -1.7
i 58 17.20
CCH 145.64 53 PKP 58 04.80 1.9
SOB1 147.36 6 ePKP 58 06.80 1.4
SIV 147.38 45 PKPc 58 07.00 1.7
i 58 28.30
S.D. = 0.9 on 166 of 178 obs.

JUN 23, 1991 13h 02m 22.27 ± 0.72s
31.312 N ± 5.6km 126.060 E ± 7.2km
DEPTH = 10.0km (geophysicist)
DEAD SEA REGION (373)

LISJ 0.10 222 Pc 02 23.75 -1.1
MKRJ 0.25 17 Pc 02 27.86 0.2
QTRJ 0.92 32 Pd 02 30.38 0.1
MASJ 0.44 18 Pc 02 31.34 0.1
KFNJ 0.56 11 Pd 02 33.49 -0.1
MDSJ 0.67 62 Pd 02 35.60 -0.1
CSTJ 0.97 101 Pd 02 40.25 -0.6
HQL 2.08 192 eP 02 59.00 1.4
eS 03 29.00
S.D. = 0.8 on 8 of 8 obs.

* JUN 23, 1991 13h 26m 35.99 ± 1.09s
0.968 N ± 8.0km 126.060 E ± 11.5km
DEPTH = 83.2 ± 11.0 km
5.0mb (8 obs.)
MOLUCCA PASSAGE (266)

MNI 1.31 291 ePd 26 58.50 -0.8
eS 27 17.50
AAI 5.09 155 eP 27 50.00 -1.4
eS 28 55.00
TSM 8.61 292 ePc 28 42.50 2.5
MAP 9.52 348 eP 28 53.00 0.6
MTN 14.62 160 eP 29 57.00 -2.9X
WB2 22.32 159 iPc 31 27.00 -0.8
0.5s 31.60nm 5.0mb
QIS 25.17 149 iPc 31 55.80 0.5
ASPA 25.65 163 iPc 32 01.70 2.0
0.3s 30.50nm 5.3mb
WARB 27.00 179 eP 32 13.00 0.9
BDT 31.15 303 eP 32 47.10 -2.1
GYA 31.47 325 P 32 52.00 -0.1
CHG 31.96 305 eP 32 56.10 -0.3
XAN 36.61 336 P 33 35.00 -1.0
MAT 37.14 16 eP 33 39.00 -1.4
0.9s 5.88nm 4.5mb
DL2 37.97 354 eP 33 47.50 0.2
1.0s 50.00nm 5.4mb
LZH 40.57 332 eP 34 10.00 0.9
1.2s 19.00nm 4.8mb
CN2 42.65 359 eP 34 27.00 1.2
MDJ 43.57 4 eP 34 34.50 1.2
1.0s 30.00nm 5.1mb
GUN 46.85 309 P 34 59.96 -0.2
PKI 47.07 308 P 35 01.64 -0.2
KKN 47.27 308 P 35 02.32 -1.0
GKN 47.87 308 P 35 09.18 1.3
HYB 49.47 292 eP 35 19.50 -0.7
WMO 54.62 327 P 35 58.00 -0.4
1.0s 10.00nm 4.8mb
YAK 60.96 2 iPd 36 42.50 0.2
GAR 63.32 314 eP 36 57.60 -1.1
YKA 102.27 24 ePd 36 32.80 9.8X
0.7s 8.60nm 5.6mb
S.D. = 1.2 on 25 of 27 obs.

? JUN 23, 1991 13h 31m 34.72 ± 2.51s
13.516 N ± 16.7km 88.380 W ± 22.6km
DEPTH = 141.8 ± 23.7 km
4.3mb (2 obs.)
EL SALVADOR (73)

TPX 4.01 291 iP 32 37.00 1.4
iS 33 18.50
PBJ 7.38 294 iP 33 19.00 -2.2
TUL 23.28 345 eP 36 31.70 1.2
0.8s 20.80nm 4.6mb
ALO 26.87 326 e(P) 37 04.00 -0.3
LRM 38.09 332 eP 38 42.80 1.3
SIV 39.86 136 iPd 38 56.40 0.3
PNT 43.96 331 eP 39 30.00 0.8
SCH 44.53 18 eP 39 34.00 0.2
INK 61.92 343 eP 41 40.30 -0.8
MBC 64.84 352 eP 41 59.00 -1.1
EKA 76.30 36 P 43 08.00 -1.3
0.9s 2.70nm 4.0mb
WB2 138.67 255 ePKP 50 47.30 0.9
0.6s 10.50nm
WRA 138.68 255 PKP 50 46.00 -0.4
0.6s 7.70nm
S.D. = 1.3 on 13 of 13 obs.

? JUN 23, 1991 14h 47m 44.11 ± 1.63s
40.250 N ± 16.7km 21.955 E ± 11.5km
DEPTH = 10.0km (geophysicist)
GREECE (364)

LIT 0.44 110 iPc 47 52.98 0.0
eS 48 00.78
FNA 0.69 321 iPd 47 57.01 -0.8
eS 48 07.90
GRG 0.78 26 ePc 47 59.50 0.1
eS 48 13.70
OHR 1.23 315 ePg 48 07.80 0.8
eSg 48 25.50
S.D. = 1.1 on 4 of 4 obs.

* JUN 23, 1991 14h 52m 50.07 ± 0.88s
6.304 S ± 13.8km 12.909 W ± 17.3km
DEPTH = 10.0km (geophysicist)
4.7mb (8 obs.) 4.7msz (2 obs.)
ASCENSION ISLAND REGION (408)

LIC 14.72 32 P 56 21.26 1.0
KIC 14.99 33 P 56 24.16 0.3
0.8s 6.50nm 4.1mb
TIC 15.08 32 P 56 23.04 -2.0
SOB1 27.87 262 eP 58 34.50 -7.8X
e 58 46.30
TIO 37.41 8 iP 00 17.40 12.1X
IFR 40.28 10 iP 00 29.00 -0.3
i 00 42.00
FRS 42.87 128 iPc 00 56.40 6.0X
1.4s 81.40nm 5.3mb
HVD 43.38 129 eP 01 04.00 9.3X
0.9s 25.21nm 5.0mb
SLR 43.80 121 iPd 01 42.50 44.3X
1.5s 97.22nm
SEK 44.15 125 eP 01 00.60 -0.4
1.0s 15.00nm 4.8mb
TOL 46.68 9 eP 01 20.00 -0.8
eP 03 35.00
eS 08 33.00
LPB 54.89 254 eP 02 29.00 4.9X
Z 16s 1.01um 5.0msz
ZOBO 54.90 255 P 02 24.00 -0.3
Z 22s 0.82um 4.8msz
S 09 44.00
LR 19 08.00
SKO 57.36 30 eP 02 36.50 -4.4X
e 02 47.00
e 02 54.60
WTTA 57.59 20 eP 02 36.00 -6.6X
1.0s 23.50nm 5.2mb
i 02 38.40
i 02 55.90
MEM 59.00 14 P 03 06.60 14.5X
KHC 59.86 20 P 03 03.00 4.8X
1.3s 7.20nm 4.6mb
Z 20s 0.60um 4.7msz
E 20s 0.50um
e 03 12.00
S 11 36.00
ZST 60.34 23 eP 02 57.80 -3.7X
e 03 15.10
SRO 60.50 24 e(P) 03 10.80 8.3X
MOX 60.55 18 eP 03 16.00 13.1X
1.4s 17.00nm

PRU 60.92 20 eP 03 14.00 8.6X
Z 17s 0.40um 4.6msz
BRG 61.48 19 eP 03 12.70 3.5X
CLL 61.56 18 eP 03 25.00 15.3X
MLR 62.16 30 eP 03 10.00 -4.0X
VRI 62.82 30 ePc 03 19.00 0.8
NAO 69.46 12 P 03 54.50 -5.9X
1.1s 2.10nm 4.2mb
HFS 69.49 14 eP 04 01.70 1.2
0.4s 0.80nm 4.2mb
MAIO 79.72 51 eP 04 55.00 -5.1X
QUE 84.44 59 eP 05 21.00 -3.8X
GAR 88.68 51 eP 05 45.80 0.5
WRA 138.55 130 PKP 12 20.00 1.1X
0.9s 1.30nm
PMG 154.73 128 e(PKP) 12 41.00 -4.1X
4.5mb (2 obs.)
S.D. = 1.1 on 10 of 32 obs.

* JUN 23, 1991 15h 19m 41.21 ± 1.64s
5.957 S ± 14.4km 130.406 E ± 18.1km
DEPTH = 96.9 ± 21.1 km
4.5mb (2 obs.)
BANDA SEA (280)

AAI 3.15 316 ePc 20 29.50 -0.3
MTN 6.88 174 eP 21 22.40 1.1
KUPT 7.92 238 eP 21 36.00 0.6
KNA 9.86 189 iPd 22 10.90 9.0X
eS 23 47.00
WB2 14.42 165 iPd 22 59.60 -2.4
0.6s 51.40nm 4.9mb X
eS 25 33.30
QIS 17.04 149 eP 23 35.00 0.1
eS 26 32.00
ASPA 17.93 170 iPd 23 46.40 0.6
0.3s 167.50nm 5.7mb X
eS 26 59.30
WARB 20.43 190 iPd 24 12.80 -0.2
0.3s 10.00nm 4.6mb
FORR 24.86 185 iPd 24 55.00 -1.2
STK 27.83 159 iPd 25 23.00 -0.4
0.5s 5.20nm 4.4mb
i 25 28.30
BWA 32.87 152 eP 26 09.50 1.6
CAN 33.87 152 eP 26 17.20 0.6
S.D. = 1.3 on 11 of 12 obs.

* JUN 23, 1991 16h 09m 30.21 ± 2.34s
11.319 N ± 11.2km 126.057 E ± 18.2km
DEPTH = 52.7 ± 19.7 km
4.4mb (4 obs.)
PHILIPPINE ISLANDS REGION (248)

PLP 1.07 262 iPd 09 49.50 0.4
iS 09 57.50
MAP 2.27 244 iPc 10 05.50 -0.4
iS 10 28.00
SSE 20.19 348 eP 14 03.00 -0.2
i 14 14.00
WB2 32.12 165 eP 15 55.10 0.2
0.6s 2.60nm 4.2mb
ASPA 35.61 168 eP 16 24.50 -0.4
0.7s 5.10nm 4.6mb
PKI 41.38 299 P 17 13.40 0.0
KKN 41.54 299 P 17 14.80 0.1
1.0s 26.00nm 4.9mb
GKN 42.15 299 P 17 19.60 0.1
STK 45.46 161 eP 17 46.30 0.4
1.0s 1.60nm 3.8mb
S.D. = 0.4 on 9 of 9 obs.

* JUN 23, 1991 16h 34m 16.61s
54.483 N 159.004 W
DEPTH = 25.0km
SOUTH OF ALASKA (17)
<PAL>. MD 3.0 (PAL).

SDN 1.22 316 eP 34 36.70 -1.4
eS 34 52.00
1 obs. associated

JUN 23, 1991 17h 22m 34.72 ± 1.07s
28.120 N ± 7.4km 139.617 E ± 7.0km
DEPTH = 474.1 ± 13.0 km
4.2mb (15 obs.)
BONIN ISLANDS REGION (212)

MAT	8.48	352	eP	24	36.00	-1.0	N	10s	0.50um	eS	11	24.54
	0.8s	4.48nm			3.8mb				pP	05	15.50	
		eS		26	14.00		WHN	9.35	325	eP	05	30.00
YAMJ	10.03	2	P	24	53.30	-0.3			pP	05	33.50	0.6
OFUJ	11.06	8	P	25	04.40	-0.3			eS	07	11.00	
AOMJ	12.43	3	P	25	19.70	0.5	GYA	13.10	288	P	06	23.00
KUSJ	15.50	14	eP	25	51.40	0.3	XAN	15.02	320	eP	06	46.80
ASAJ	16.15	8	eP	25	58.30	0.7	TIY	16.25	336	P	07	05.40
SNY	18.92	320	Pc	26	25.80	1.0		N	11s	0.47um		
CN2	19.36	328	eP	26	30.00	1.0		E	13s	0.79um		
XAN	26.88	290	Pd	27	37.50	-0.4	BJI	17.39	349	eP	07	21.00
GYA	29.29	275	P	27	59.60	0.6		Z	16s	0.29um		5.0X
LZH	31.19	294	eP	28	13.20	-2.3	LZH	19.51	316	eP	07	45.00
	1.5s	34.00nm			4.6mb				1.5s	23.00nm		2.7X
CD2	31.25	284	iPd	28	15.50	-0.3		Z	12s	0.47um		4.2mb
	0.6s	30.00nm			4.9mb		CHG	20.63	262	eP	07	56.20
GTA	34.70	299	eP	28	44.90	0.0	CHTO	20.63	262	eP	07	55.50
	0.8s	10.00nm			4.3mb				0.9s	2.34nm		1.5
CHG	38.29	265	eP	29	15.40	0.7	CN2	21.13	10	eP	07	56.00
CHTO	38.29	265	iP	29	14.80	0.2	WB2	44.75	161	iPc	11	24.90
	0.9s	6.39nm			4.1mb				0.6s	5.20nm		-2.4X
GUN	47.10	283	P	30	25.60	0.8	ASPA	48.16	164	eP	11	52.70
PKI	47.59	283	P	30	28.64	0.2			1.2s	6.90nm		-1.5
KKN	47.65	283	P	30	29.06	0.3	STK	58.16	159	eP	13	05.40
DMN	47.84	283	P	30	30.42	0.1			1.0s	1.50nm		-2.7X
WB2	48.05	187	iPc	30	31.90	0.4						4.0mb
	0.4s	9.80nm			4.6mb							
WRA	48.05	187	P	30	30.00	-1.5						
	0.4s	6.50nm			4.4mb							
GKN	48.15	284	P	30	32.64	0.1						
	0.4s	13.00nm			4.7mb							
ASPA	51.78	187	eP	30	59.30	0.1						
	0.6s	9.10nm			4.3mb							
FBA	57.53	29	iP	31	39.70	0.3						
	1.0s	12.50nm			4.2mb							
STK	59.70	178	eP	31	55.10	0.9						
	1.0s	1.30nm			3.3mb							
YKA	72.32	28	eP	33	11.60	-0.7						
	0.4s	2.30nm			4.1mb							
PNT	75.73	42	eP	33	33.00	1.2						
NEW	77.68	42	eP	33	42.20	-0.3						
	1.0s	3.00nm			3.8mb							
SES	80.04	38	eP	33	55.00	0.1						
HFS	81.57	336	eP	34	01.00	-1.6						
	0.4s	0.90nm			3.7mb							
NAO	82.09	337	P	34	04.40	-0.8						
	0.7s	1.60nm			3.7mb							
	S.D. = 0.9	an	31	of	31	abs.						
% JUN 23, 1991 17h 46m 22.63±0.65s												
43.970 N ± 7.9km 10.899 E ± 4.9km												
DEPTH = 10.0km (geophysicist)												
CENTRAL ITALY (381)												
BDI	0.24	293	P	46	27.70	0.0						
		eSg		46	31.40							
MME	0.27	327	P	46	28.40	0.1						
		eSg		46	32.30							
PII	0.37	228	P	46	30.10	-0.1						
		eSg		46	34.50							
PGD	0.60	99	P	46	34.40	-0.5						
		eSg		46	43.20							
SFI	0.69	94	P	46	36.30	0.0						
		eSg		46	45.00							
CRE	0.84	114	P	46	39.30	0.5						
	S.D. = 0.4	an	6	of	6	abs.						
* JUN 23, 1991 18h 03m 11.74±0.98s												
23.000 N ± 9.5km 120.578 E ± 8.5km												
DEPTH = 10.0km (geophysicist)												
4.3mb (5 obs.)												
TAIWAN (244)												
TWK	0.28	343	iPc	03	16.30	-1.3						
		eS		03	19.20							
TWG	0.49	111	iPd	03	25.40	3.7X						
		eS		03	34.30							
TWF1	0.75	62	iPd	03	27.30	0.9						
TWO	1.29	11	iPc	03	34.00	-1.7						
		eS		03	49.90							
TWD	1.42	41	iPc	03	37.90	0.3						
		eS		03	56.50							
OZH	2.65	317	ePn	03	51.20	-4.1X						
		Sn		04	29.70							
GZH	6.66	272	eP	04	51.20	-0.9						
SSE	8.08	4	eP	05	13.00	1.1						
	Z	12s		1.10um								

[illegible]

BAR	77.92	316	iPd	33	30.00	-0.8	SBC	80.99	316	ePd	33	59.14	12.5X			eP*P*	00	18.70		
RUV	78.09	259	iP	33	32.90	0.9				iS	43	22.67		EMEL	84.08	46	eP	34	02.21	0.1
	1.2s	360.00nm				5.7mb				eS	46	58.28		EHOR	84.25	43	iPd	34	02.64	-0.3
VAH	78.28	259	iP	33	33.90	0.9	DUG	80.99	324	P	33	47.30	0.5	PTO	84.51	38	iPKPd	34	04.00	-0.1
	1.2s	720.00nm				6.0mb	ISA	81.03	317	ePd	33	48.09	1.1			iPKPob34	12.20			
CPE	78.32	316	eP	33	35.90	3.0X				epPc	35	47.27	553kmX			iSKKS	43	45.00		
TPT	78.38	259	iP	33	34.70	1.2				iS	43	13.98		MTE	84.61	39	iPd	34	04.50	-0.2
	1.2s	630.00nm				5.9mb	ISA	81.03	317	iPd	33	57.36	10.4X			i	34	11.50	22kmX	
PLM	78.50	317	ePd	33	34.10	0.1				epPc	35	57.87	561kmX			i	36	10.00		
			iPcP	33	36.80					iS	43	24.32		PCC	84.61	317	ePd	34	04.33	-0.3
			epP	35	40.50	602kmX				esS	47	02.83				epP	36	08.70	576kmX	
			esP	36	40.50		SYP	81.21	316	eP	33	48.00	0.0			ePKKP	52	10.90		
			S	42	49.70		BW06	81.26	327	iPd	33	47.30	-0.9	EGUA	84.65	44	iPd	34	03.67	-1.3
			(PKKP)	52	25.00	-2.0				S	43	13.50		BKS	84.76	317	ePd	34	05.90	0.5
			P*P*	00	09.00		SCH	81.33	358	iPd	33	47.70	-0.3		0.8s	494.00nm			6.2mb	
			e	03	05.50		IFR	81.56	46	iPd	33	50.00	0.1			iPcP	34	16.60		
TIO	78.51	47	iPd	33	34.60	0.5				i	34	01.00	35kmX			epP	36	13.20	593kmX	
			i	33	45.00	33kmX	BCH	81.70	316	P	33	51.00	0.5			eSKS	43	34.00		
			i	35	37.50		TNP	81.93	320	iPd	33	51.50	-0.2			eSP	45	14.00		
TPC	78.52	318	iPd	33	34.00	0.1				iP	35	57.50	591kmX			esS	48	52.00		
SEK	78.56	116	iPd	33	34.60	0.0				S	43	16.00				esSS	52	26.00		
PMO	78.61	259	iP	33	35.70	1.0				P*P*	00	17.10				e	54	40.00		
	1.2s	450.00nm				5.8mb				e	02	35.00				eLQ	56	42.00		
TVO	78.64	256	iP	33	35.40	0.4	FAR	82.09	42	eP	33	53.00	0.8			e	57	12.00		
PPN	78.90	256	iP	33	37.90	1.7				i	34	04.00	35kmX			e	05	24.00		
PAE	78.97	256	iP	33	37.10	0.5	FIG	82.23	42	iPd	33	53.50	0.6	BRK	84.78	317	eP	34	05.10	-0.4
PPT	79.01	256	iP	33	37.40	0.6				i	34	04.00	33kmX			ePKKP	52	10.80		
PRY	79.01	115	iPc	33	35.00	-2.0	BONR	82.47	319	P	33	55.00	0.5	LRM	84.92	328	iPd	34	06.60	0.3
	1.0s	860.00nm				6.1mb	LIS	82.55												

FFC	87.72	339	iPd	34	19.00	-0.2	THZ	94.24	219	eP	34	50.50	0.8				PKKP	51	40.50	
	1.1s	1275.00nm				6.6mb				e	34	58.40	25kmX				e	51	46.90	
ECHE	87.97	43	iPd	34	20.40	-0.3				e	36	53.60					e	53	58.10	
NEW	88.89	327	iPd	34	22.90	-1.9	BGF	94.34	39	iPd	34	49.30	-0.5	SNF	97.36	37	iPd	35	02.70	-0.5
	0.8s	458.33nm				6.4mb	CDR	94.44	43	iPd	34	50.40	0.1				i	35	13.70	35kmX
			PKKP	50	50.00					i	35	00.80	32kmX				PKKP	51	40.40	
			P'P'	00	09.80					e	44	41.70		EDU	97.38	29	ePd	35	02.30	-0.9
ECRI	88.91	40	iPd	34	25.25	0.3				e	44	42.30		PII	97.40	45	P	35	03.60	0.0
DPW	89.15	327	P	34	25.90	-0.1	CDR	94.44	43	ePd	34	55.90	5.6X	VAI	97.42	42	P	35	02.50	-1.1
			pP	36	32.00	578kmX	LRG	94.68	43	iPd	34	51.70	0.4	MOF	97.49	40	P	35	03.53	-0.5
EROO	89.55	43	iPd	34	27.84	0.0								UCC	97.55	36	P-	35	04.00	-0.1
EBR	89.60	43	iP	34	28.00	-0.1											i+	35	14.00	
			iS	44	12.00		LMR	94.71	43	iPd	34	51.60	0.1				pP	37	11.00	581kmX
COR	89.65	322	eP	34	28.78	0.5	AVF	94.76	39	iPd	34	51.10	-0.5				e	37	18.00	
			ipPc	36	30.62	553kmX	FRF	94.92	43	iPd	34	52.60	0.2				PP	39	10.00	
			eS	44	32.27		PTS	94.93	51	P	34	54.60	2.0				SKS	44	49.00	
			esS	48	14.09		SMF	94.95	40	iPd	34	52.20	-0.3				i	44	58.00	
COR	89.65	322	iPd	34	38.38	10.1X	SSF	95.00	39	iPd	34	52.00	-0.7	BDI	97.62	44	P	35	03.60	-1.1
			epPc	36	41.54	561kmX	CALN	95.17	43	P	34	54.16	0.4	ECH	97.70	40	P	35	04.47	-0.5
			eS	44	41.79		LBF	95.22	39	iPd	34	53.20	-0.6	MME	97.75	44	P	35	05.10	-0.5
			esS	48	24.02		GRN	95.28	42	P	34	54.47	0.3	RDP	97.85	47	P	35	07.60	1.8
EGRA	89.94	41	iPd	34	31.29	1.7	LOR	95.31	39	iPd	34	53.50	-0.6	RMP	97.86	47	P	35	07.20	1.4
BOH	90.08	40	P	34	31.03	0.6								CDF	97.87	39	P	35	05.07	-0.7
ELYF	90.13	40	P	34	30.75	0.2								YKA	97.90	339	eP	35	03.60	-1.9
ISSF	90.16	41	P	34	31.25	0.4	REVF	95.45	43	P	34	55.07	0.2		0.7s	165.40nm			6.5mb	
LHE	90.19	41	P	34	31.46	0.5	AURF	95.51	43	P	34	55.53	0.3	WLF	97.90	38	iPd	35	05.74	0.0
MADF	90.22	40	P	34	33.00	2.0	SURF	95.51	43	P	34	55.82	0.5				i	35	16.43	33kmX
LON	90.24	324	eP	34	30.72	-0.3	TOUF	95.53	43	P	34	55.68	0.3	WLS	97.91	39	P	35	05.32	-0.6
LON	90.24	324	iPd	34	39.99	9.0X	SBF	95.56	43	iPd	34	55.50	0.1	LIBD	97.92	40	P	35	05.83	0.0
ATE	90.25	41	P	34	31.38	0.3	AUTN	95.63	43	P	34	56.09	0.2	MDI	97.94	43	P	35	04.80	-1.2
ESCF	90.32	41	P	34	31.79	0.4	STV	95.70	43	P	34	56.27	0.3	FEL	98.01	40	P	35	06.00	-0.5
FRB	90.33	358	eP	34	29.00	-1.9	PZZ	95.70	43	P	34	56.58	0.5	MNS	98.13	47	P	35	06.40	-0.6
	1.3s	661.00nm				6.4mb	SAOF	95.70	43	P	34	56.24	0.3	PGD	98.23	45	P	35	06.40	-1.3
JAU	90.42	41	P	34	31.40	-0.6	RRL	95.73	42	P	34	56.58	0.2	CRE	98.26	45	P	35	06.10	-1.6
OGE	90.43	41	P	34	32.22	0.3	BNI	95.73	42	P	34	57.70	1.5	MEM	98.33	37	P	35	07.20	-0.4
ESEL	90.47	45	iPd	34	32.26	0.1	ENR	95.74	43	P	34	56.78	0.5				iPKKP	51	37.50	
BTH	90.56	41	iPc	34	32.50	0.0	LVI	95.75	50	P	34	59.40	3.1X				e	51	46.60	
ENSF	90.69	41	P	34	34.28	1.0	DOI	95.78	43	P	34	56.80	0.4				e	54	29.70	
BMW	90.81	323	P	34	33.60	0.0	PGF	95.85	45	P	34	55.83	-0.9	SFI	98.34	45	P	35	07.00	-0.9
PNT	90.82	327	ePd	34	33.00	-0.6	IMI	95.86	43	P	34	56.37	-0.4	SAL	98.35	43	P	35	07.90	0.0
	0.9s	431.00nm				6.5mb	CVT	95.92	51	P	35	01.13	4.1X	GWF	98.36	39	P	35	07.37	-0.5
EPF	90.83	41	iPd	34	34.00	0.2	ERC	95.95	50	P	35	01.30	4.0X	ENN	98.37	37	ePd	35	07.50	-0.3
	0.8s	83.95nm				5.8mb	BHB	95.98	42	P	34	56.68	-0.5		1.0s	266.00nm			6.5mb	
VAL	91.15	30	PKP	34	34.00	-0.9	LPL	96.02	42	iPd	34	58.10	0.5				epP	35	16.00	
SALF	91.17	42	P	34	36.41	1.0	LPG	96.02	42	iPd	34	58.20	0.5				ePP	39	16.00	
MLS	91.22	41	P	34	35.89	0.3											ePPP	39	26.00	
LESF	91.38	42	P	34	36.80	0.5	GDH	96.04	4	ePd	34	58.13	1.3				ePKKP	51	34.50	
TRGS	91.48	42	P	34	37.57	0.6	RSL	96.05	41	P	34	57.79	0.1				epPKKP	51	44.00	
BST	91.67	35	P	34	37.37	-0.1	ROB	96.06	43	P	34	57.19	-0.4	ASS	98.44	46	P	35	08.20	-0.3
LSPF	91.70	42	P	34	38.08	0.3	RSP	96.14	42	P	34	58.22	0.2	RFI	98.47	48	P	35	11.22	2.7X
VDCF	91.77	42	P	34	38.78	0.7	FIN	96.22	43	P	34	57.70	-0.6	NAI	98.49	96	ePKP-	35	10.00	0.4
ETER	91.90	43	iPd	34	38.47	-0.2	LSO	96.24	42	P	34	59.04	0.4	AKU	98.49	17	iP	35	09.60	1.5
MCW	92.01	325	P	34	39.10	0.0	MENF	96.26	36	P	34	57.32	-0.9		1.4s	344.19nm			6.5mb	
			pP	36	48.80	596kmX	REY	96.27	17	iP	35	00.40	2.4X				i	35	20.20	33kmX
PERF	92.02	43	P	34	39.37	0.1	CKI	96.37	43	P	34	58.50	-0.4				i	39	30.10	
MTHF	92.08	42	P	34	39.55	0.0	ESK	96.53	30	ePd	34	58.00	-1.3	SDI	98.54	48	P	35	08.70	-0.3
LFF	92.20	40	iPd	34	39.90	0.0								AQU	98.58	47	P	35	09.40	0.3
LPO	92.30	40	iPd	34	40.40	-0.1	EKA	96.56	30	Pd	34	58.20	-1.3	DBN	98.69	35	iP-	35	10.00	0.8
PGC	92.31	325	ePc	34	40.50	0.2														
	1.3s	992.00nm				6.7mb	EAB	96.58	29	ePd	34	58.20	-1.3				i	35	20.20	33kmX
MFF	92.69	38	iPd	34	42.00	-0.2											i	39	30.10	
RJF	92.86	40	iPd	34	42.60	-0.4	PCP	96.60	43	P	35	00.16	0.1				e	38	28.00	
						6.5msz	USI	96.68	50	P	35	01.80	1.4				e(PP)	39	08.00	
CAF	92.95	40	iPd	34	43.40	-0.1	EBL	96.88	30	ePd	34	59.80	-1.1				e(SKS)	45	04.00	
LPF	93.08	37	iPd	34	43.10	-0.8	DOMF	96.92	37	P	35	00.57	-0.6	STB	98.77	37	iPd	35	09.50	-0.2
GRR	93.39	36	iPd	34	44.60	-0.8	EBH	96.98	29	ePd	35	00.40	-1.0				id	35	20.20	33kmX
LSF	93.42	39	iPd	34	45.20	-0.4								ARV	98.83	46	P	35	09.10	-1.0
DCN	93.43	30	eP	34	44.30	-1.1	ELO	97.03	29	ePd	35	00.70	-0.9	BGG	98.84	38	iPc	35	12.40	2.5X
KHZ	93.45	218	P	34	46.40	0.4	VITF	97.03	39	P	35	01.32	-0.5	DUI	98.95	48	P	35	11.20	0.4
			e	34	54.70	26kmX	LOMF	97.05	40	P	35	01.75	-0.3	CZI	98.96	51	P	35	10.50	-0.2
PAF	93.64	152	iPd	34	56.00	9.2X	PZI	97.09	52	P	35	03.64	1.2	GRJ	98.97	51	P	35	10.61	-0.3
DLF	93.73	30	iPd	34	45.70	-1.1	HAU	97.13	39	iPd	35	01.70	-0.6	MGR	98.98	50	P	35	10.10	-0.7
	0.7s	318.00nm				6.6mb								SGO	99.01	49	P	35	10.60	-0.3
FLN	93.82	36	iPd	34	46.60	-0.7								STU	99.15	40	iPd-	35	11.00	-0.4
	1.2s	441.65nm				6.5mb														
						6.6msz	MAO	97.15	46	P	35	03.60	1.1		0.9s	184.87nm			6.5mb	
TCF	93.82	39	iPd	34	46.90	-0.6	ESY	97.16	30	ePd	35	01.20	-1.0	MMN	99.16	50	P	35	12.40	0.0
LTZ	93.90	218	P	34	49.40	1.2								CTI	99.25	43	P	35	11.80	-0.2
LDF	93.90	36	iPd	34	47.00	-0.7	BOB	97.27	43	P	35	03.10	0.0	OGA	99.27	42	iPd	35	12.00	-0.2
DMU	93.96	30	iPd	34	46.40	-1.4	BSF	97.29	40	P	35	02.60	-0.5	TDS	99.30	50	P			

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FBA	111.64	333	iPKP	40	01.30	0.4				S	50	10.00		ASAJ	152.84	316	ePKP	41	16.30	0.3
			PKKP	50	56.20					SKKP	54	01.70		IRK	152.92	17	iPKP-	41	16.00	0.1
NUR	111.98	32	ePdiff	36	10.00	1.8	CTAO	125.26	215	iPKPd	40	26.00	-2.4				e	41	26.00	
	Z	24s		11.80um		6.4MsZ											e	41	35.50	
			e	36	19.00					i(pP)	40	34.50					e	41	45.70	
			i	40	00.20					iScP	46	42.00					e	42	03.00	
			i	40	10.00					iS	48	28.00								
			e	45	48.00					i(ScS)	50	10.00		HOOJ	153.27	312	ePKP	41	18.00	1.4
			e	49	28.00					ePKP	40	11.00	-19.6X	IPM	153.33	143	ePKPd	41	23.90	6.3X
			e	53	00.00					e	40	18.00			1.0s	433.50nm				
			LR	19	18.00					e	40	21.00					e	41	32.00	
ABHA	112.03	80	ePdiff	36	24.00	14.3X				e	40	23.50					e	43	44.20	
BWA	112.07	208	ePKP	40	02.90	0.2				e	40	29.00		MNI	153.59	199	ePKPc	41	12.50	-5.4X
			e	40	12.20					iPKP	40	30.80	-1.1	SAP	154.20	315	ePKP	41	20.00	2.1
			e	40	51.30		ASPA	127.13	200	ePKP	40	30.80	-1.1	MRRJ	154.69	314	ePKP	41	20.00	1.5
							WRA	130.47	202	PKP	40	39.00	0.7	SNG	155.24	139	ePKP	41	19.20	-0.9
TRO	112.21	22	ePdiff	36	14.00	5.0X									1.1s	303.80nm				
BISH	112.55	78	ePdiff	36	22.00	10.2X											eS	45	27.20	
RSO	112.64	328	ePdiff	36	12.90	1.5	PMG	133.40	224	ePKP+	40	32.00	-12.0X	OFUJ	155.78	307	ePKP	41	20.60	0.4
RSO	112.64	328	PKP	40	03.70	0.4	QUE	136.46	73	ePdiff	37	58.70	0.8	AOMJ	156.05	311	ePKP	41	20.70	0.2
			e	40	11.20					e	40	38.10		YAMJ	157.31	306	ePKP	41	22.40	0.3
KBS	113.33	12	ePdiff	36	16.00	2.2								LSA	157.36	77	PKPd	41	23.80	0.7
SIM	113.47	50	ePdiff	36	18.00	2.8X	MNDI	138.08	223	e(PKP)	40	43.00	-10.2X				PKPab	41	59.00	
SIM	113.47	50	ePKP	40	00.00	-5.1X	DSH	138.45	61	ePKP	40	42.00	-10.9X				PP	45	40.00	
SVW	114.16	328	ePdiff	36	12.10	-5.8X	BOM	139.01	92	ePKP	40	52.70	-1.6				SKKS	51	32.00	
SVW	114.16	328	PKP	40	06.60	0.6											ePKPd	41	21.42	-0.5
			ePP	41	00.00												ePKPab41	57.83		
IMA	114.30	333	Pdiff	36	20.80	2.2											e	42	06.44	
KMSA	114.34	79	ePdiff	36	30.00	10.3X											epPKPc43	33.51		
SOD	114.42																			

LZH	165.69	47	iPKPd 41 31.93 ePKPab42 35.83 epP'df43 45.02 epP'df43 52.97 ePP 46 20.43 eHPP 46 26.06	1.2	PJG 27.36 60 eP 43 29.50 0.4 GUA 27.38 60 eP 43 29.20 0.0 1.7s 4523.08nm 6.9mb SVW 86.76 29 PKP 50 49.40 22.8X KEV 91.13 340 iP 50 46.00 -1.0 SOD 91.42 337 iP 50 55.00 6.6X NUR 92.85 330 iP 50 56.00 0.9 0.8s 35.20nm 5.8mb S.D. = 0.7 on 7 of 10 obs.	LPB 11.28 336 P 17 18.10 0.4 0.8s 522.39nm 5.8mb S 19 19.00 ZOBO 11.53 336 iPd 17 30.20 9.8X PPD 11.93 68 iPc 17 24.20 0.5 ARE 12.92 322 iPc 17 35.50 1.7 iS 19 59.00 VAO 15.30 79 iPc 17 58.30 1.4 i 18 08.40 i 18 20.70 i 20 35.10	
PGP	166.17	198	ePKPd 41 33.00	1.6	JUN 23, 1991 22h 59m 20.94±0.89s 8.528 S ± 6.9km 127.675 E ± 9.5km DEPTH = 102.0 ± 11.3 km 4.8mb (7 obs.) TIMOR (289)	BAO 18.12 55 iPd 18 04.90 -19.4X BDF 18.17 55 P 18 25.00 0.3 NNA 19.59 317 iPd 18 37.30 -0.6 1.0s 68.00nm 5.2mb eS 21 43.00	
KUMJ	166.42	298	PKP 41 30.80	-0.4			
BJI	166.79	2	ePKPd 41 30.49 ePKPab42 36.37 eHP'ab42 37.69 ipP'df43 42.59 ipP'df43 51.52	-0.7			
DL2	167.23	342	PKPab 42 44.00 pP'ab 43 47.00 iPKPd 41 32.85 eHP'ab42 41.22 ePKPab42 43.04 epP'df43 45.94 epP'df43 53.56	-0.1	AAI 4.84 6 eP 00 32.00 -0.7 MTN 5.47 142 eP 00 43.00 1.5 KNA 7.26 172 iPd 00 54.90 -11.1X eS 02 30.00 WB2 13.06 151 iPd 02 22.10 -1.7 0.4s 76.00nm 5.6mb X iS 04 42.40 ASPA 16.19 159 eP 03 03.00 -0.9 0.6s 41.30nm 4.8mb eS 05 56.50 QIS 16.61 137 iPc 03 10.00 1.0 iS 06 07.00 WARB 17.59 183 eP 03 21.00 -0.1 0.4s 15.00nm 4.6mb MRWA 23.33 207 eP 04 24.70 3.9X OLP 23.86 141 eP 04 34.00 8.0X STK 26.60 153 eP 04 57.70 6.2X 1.0s 13.20nm 4.4mb eS 10 02.10 CHG 39.26 314 eP 06 41.90 0.5 XAN 45.92 338 P 07 35.50 0.3 LZH 49.72 335 eP 08 17.50 12.6X 2.0s 53.00nm sP 08 27.50 LSA 51.76 319 P 08 21.80 0.9 GTA 54.25 334 eP 08 39.30 0.6 1.0s 10.00nm 4.8mb sP 08 52.40 GUN 54.27 313 P 08 39.06 -0.2 PKI 54.41 313 P 08 39.76 -0.6 0.6s 7.00nm 4.9mb KKN 54.63 313 P 08 41.48 -0.3 DMN 54.65 313 P 08 41.80 -0.2 GKN 55.22 313 P 08 45.56 -0.4 0.4s 13.00nm 5.3mb WMO 63.45 329 P 09 47.60 5.4X 0.6s 10.00nm 4.9mb S.D. = 0.9 on 16 of 22 obs.	PT10 19.60 316 e(P) 18 36.50 -1.4 SOB1 27.55 54 ePc 19 48.10 -0.8 ANGL 29.75 330 eP 20 13.00 4.6X QTO 30.36 329 P 20 15.20 1.7 OUR 30.39 329 eP 20 15.00 1.2 GGP 30.42 329 P 20 15.40 1.1 YANA 30.46 329 Pd 20 15.60 1.1 PSO 31.07 332 eP 20 20.50 1.0 CAI 32.09 55 iPc 20 24.00 -3.7X BOG 33.07 340 iP 20 36.00 -0.2 BMG 35.12 343 iPd 20 52.00 -1.0 CEOS 36.09 351 iP 20 59.20 -1.7 SDV 36.32 348 iPd 21 01.00 -1.9 eS 26 05.50 GUAN 36.75 356 eP 21 06.20 -0.2 OLLA 36.90 354 eP 21 06.40 -1.2 TOV 37.05 349 eP 21 07.00 -1.8 eS 26 08.10 LLAV 37.35 354 iP 21 10.20 -1.1 MORO 37.90 352 eP 21 14.50 -1.3 PIG 37.94 4 eP 21 15.88 -0.1 BOT 37.96 4 eP 21 13.67 -2.4X TPR 37.97 4 eP 21 15.78 -0.5 AIA 38.32 181 eP 21 20.50 1.9 UPA 39.04 334 iPd 21 25.70 0.8 0.8s 350.75nm 6.0mb i 23 20.50 i 26 16.00 FCV 39.90 3 eP 21 31.18 -0.7 BIM 41.26 3 eP 21 41.49 -1.2 MYM 41.31 3 eP 21 41.80 -1.3 FDF 41.47 3 eP 21 43.10 -1.3 0.3s 3.70nm 4.3mb X CRM 41.50 3 eP 21 43.70 -0.9 BBL 42.24 3 eP 21 48.30 -2.1 MGG 42.64 3 eP 21 52.70 -0.8 PAG 42.74 2 eP 21 51.30 -3.1X S 23 24.00 DEG 43.05 3 eP 21 54.51 -2.3 MGH 43.41 1 eP 21 57.90 -1.7 BPA 43.74 2 eP 21 58.70 -3.5X NEV 43.82 1 eP 22 01.50 -1.2 CPB 44.33 2 eP 22 03.99 -2.7X GCM 49.20 337 P 22 42.65 -0.9 TPX 50.23 322 (P) 22 51.50 0.3 PBJ 53.22 320 (P) 23 12.50 -0.4 OXH 54.49 320 (P) 23 22.00 0.0 ACX 56.19 317 (P) 23 34.50 0.9 IISM 56.38 320 (P) 23 35.50 0.7 IIT 56.94 320 (P) 23 39.50 0.6 III 57.12 318 (P) 23 40.50 0.4 PPM 57.16 319 (P) 23 41.50 0.7 TPM 57.35 319 (P) 23 42.00 0.4 UNM 57.69 319 (P) 23 45.00 0.9 MRX 59.17 318 (P) 23 54.50 0.9 MBO 60.91 53 eP 24 04.00 -1.1 HBF 61.72 344 P 24 10.00 -0.1 SPA 63.22 180 iPd 24 18.50 -1.2 1.0s 131.50nm 5.3mb i 32 06.50 JSC 63.23 343 P 24 19.20 -0.5 LHS 63.30 344 P 24 19.60 -0.6 PRM 63.33 342 P 24 19.80 -0.6 TKL 65.20 342 P 24 30.80 -1.4 LIC 65.26 69 P 24 31.86 -1.1 0.5s 41.50nm 5.1mb GBTN 65.33 341 P 24 31.40 -1.6 TIC 65.49 68 P 24 33.36 -1.1 KIC 65.57 69 Pd 24 34.00 -0.9 0.5s 119.50nm 5.6mb	
KMI	167.37	95	iPKPd 41 32.85 eHP'ab42 41.22 ePKPab42 43.04 epP'df43 45.94 epP'df43 53.56	0.4			
KMI	167.37	95	iPKPd 41 40.80 ePKPab42 50.99	8.4X			
CD2	167.98	67	iPKPd 41 32.10 ePKPab42 41.50 iPP 46 36.00 iPKPd 41 31.00 PKPab 42 43.00 SS 06 38.50 ePKP- 41 33.00 e 43 46.00 e 48 32.00 e 51 13.00	-0.3			
TIY	168.55	17	iPKPd 41 31.00 PKPab 42 43.00 SS 06 38.50 ePKP- 41 33.00 e 43 46.00 e 48 32.00 e 51 13.00	-1.6			
BAG	169.03	200	ePKP- 41 33.00 e 43 46.00 e 48 32.00 e 51 13.00	-0.5			
CVP	169.76	209	ePKPd 41 35.60	1.9			
QIZ	170.04	140	PKPd 41 34.40 PKPab 42 53.40 PKPd 41 33.60 PKPab 42 53.50 SKKS 52 43.00 PKPd 41 34.20 PKPab 42 56.50 PP 46 44.50	0.6			
XAN	170.18	41	PKPd 41 33.60 PKPab 42 53.50 SKKS 52 43.00 PKPd 41 34.20 PKPab 42 56.50 PP 46 44.50	0.0			
TIA	170.61	358	PKPd 41 34.20 PKPab 42 56.50 PP 46 44.50	0.5			
PIP	170.80	204	ePKPd 41 36.00	1.8			
GYA	171.06	90	PKP 41 34.00 PKPab 42 55.00 PP 46 53.00	-0.3			
SSE	174.16	318	PKPd 41 36.00 pPKP 43 48.00 PP 47 06.00 SKS 47 48.00 SKKS 52 55.00 SS 07 33.00	0.8			
NJ2	174.43	340	iPKPd 41 35.00 iPKPab43 14.00 iPP 47 05.00	-0.3			
MKC	174.99	153	ePKP 41 36.30	0.6			
GZH	175.24	140	iPKPd 41 36.00 pPKP 43 49.00	0.3			
ANP	175.33	251	iPKPd 41 38.00	2.2			
WHN	175.76	28	iPKPd 41 36.00 PKPab 43 19.00 PP 47 15.00 SKKS 53 10.00	0.4			
QZH	177.45	224	ePKP 41 36.60 PKPab 43 24.00 pP'ab 43 48.00 PP 47 21.00 SKKS 53 13.00	0.6			
S.D. = 1.0 on 578 of 706 obs.							
JUN 23, 1991 21h 37m 44.67±0.99s 0.183 N ±15.2km 120.732 E ±15.8km DEPTH = 33.0km (normal) MINAHASSA PENINSULA (265)							
WRA	24.04	147 P	42 58.00	0.1	SLA 2.98 317 iPd 16 03.90 0.4 RTLL 6.31 225 iPd 16 28.40 -0.6 ZON 6.59 225 iPc 16 32.00 0.5 eS 17 52.00 RTCB 6.62 226 iPc 16 32.00 0.1 MDZ 7.65 218 iP 16 41.60 0.1 iS 18 06.70 PEL 8.91 224 iPc 16 53.00 -0.8 SAN 9.11 223 iPc 16 54.50 -1.2 iS 18 40.50 PCH 9.14 221 iPc 16 55.20 -0.8 iS 18 45.00 LPA 9.17 151 iPd- 16 56.10 -0.1 0.7s 4493.15nm 6.7mb X iS 18 42.00 TACH 9.41 223 iPc 16 57.00 -1.7 iS 18 45.20 IHA 9.46 228 iPd 16 57.70 -1.3 iS 18 45.00 CCH 9.87 344 iPd 17 03.60 0.0 LNV 9.91 223 iPc 17 01.50 -2.0 CNCB 10.98 336 iPd 17 15.80 0.9 SIV 11.00 11 iPc 17 15.60 0.3		JSC 63.23 343 P 24 19.20 -0.5 LHS 63.30 344 P 24 19.60 -0.6 PRM 63.33 342 P 24 19.80 -0.6 TKL 65.20 342 P 24 30.80 -1.4 LIC 65.26 69 P 24 31.86 -1.1 0.5s 41.50nm 5.1mb GBTN 65.33 341 P 24 31.40 -1.6 TIC 65.49 68 P 24 33.36 -1.1 KIC 65.57 69 Pd 24 34.00 -0.9 0.5s 119.50nm 5.6mb

	S	32 33.80			iP	26 17.00	19kmX	LON	90.39 324 P	26 45.80 -0.
BLA	65.81 345 P	24 35.60 -0.4		FRI	iSKS	36 40.50		FRB	90.47 358 eP	26 45.00 -1.4
	0.7s 138.89nm	5.5mb			ePd	26 10.78 0.1		ESEL	90.52 45 eP	26 48.13 0.9
CBN	66.14 348 eP	24 37.00 -0.9		PRI	ePKKP	44 31.20		EPF	90.88 41 iPd	26 49.40 0.5
GVTN	68.23 351 iP	24 50.70 0.1			iPd	26 11.80 0.8			1.7s 154.40nm	5.7mb
LVNJ	68.24 351 P	24 50.00 -0.7			eP	28 16.50 582km		BMW	90.96 323 P	26 49.00 -0.2
PNJ	68.25 351 iP	24 50.50 -0.2		MOE	eP	26 13.00 1.7		PNT	90.97 327 eP	26 50.00 0.9
TBR	68.49 351 P	24 52.00 -0.2		KVN	P	26 13.80 0.7			0.7s 53.00nm	5.7mb
FVM	69.42 337 P	24 56.40 -1.4			pP	28 18.00 578km		SALF	91.22 42 P	26 51.71 1.2
	0.8s 689.39nm	6.2mb		EVAL	iPd	26 13.15 0.3		MLS	91.28 41 P	26 51.40 0.8
TUL	69.64 332 ePc	24 57.10 -2.0		EJIF	iPd	26 13.98 0.9		LESF	91.44 41 P	26 53.40 2.0
	0.8s 246.60nm	5.8mb		LLA	iPd	26 13.98 0.8		BST	91.74 35 P	26 52.75 0.2
MEQ	69.90 330 iPd	24 59.50 -1.2		PRS	ePd	26 14.38 0.8		VDCF	91.83 42 P	26 54.03 0.8
WVLY	70.49 348 P	25 04.00 0.0		SAO	iPd	26 15.94 0.7		ETER	91.96 43 eP	26 53.90 0.2
EMM	71.43 357 P	25 10.00 0.7		EPRU	eP	26 16.08 0.6		PERF	92.07 43 P	26 56.63 2.3
DLA	71.47 346 P	25 08.55 -1.1		CMB	iPd	26 16.54 0.4		MTHF	92.13 42 P	26 56.74 2.1
BNH	71.55 354 P	25 11.20 1.1			ePcP	26 36.80		MCW	92.16 325 P	26 54.50 -0.1
LDN	71.56 346 P	25 09.25 -0.9			eP	28 21.10 579km		LFf	92.26 40 iPd	26 55.40 0.3
ELF	71.73 346 P	25 10.20 -1.0			ePKKP	44 27.30			1.2s 178.50nm	6.0mb
WIN	71.94 107 iPd	25 12.50 -0.7		MAL	iPd	26 18.00 0.9		LPO	92.36 40 iPd	26 55.80 0.2
	0.8s 63.43nm	5.2mb		ARN	P	26 18.00 0.7			1.4s 143.75nm	5.8mb
ALO	73.87 324 iPd	25 24.00 0.2		MHC	eP	26 17.20 -0.6		PGC	92.46 325 eP	26 56.00 0.2
	1.0s 212.50nm	5.6mb		GCC	ePd	26 18.75 1.1		MFF	92.76 38 iPd	26 57.50 0.2
	eP	27 26.00 587km		EHOR	iPd	26 17.95 -0.1			1.1s 90.35nm	5.7mb
ANMO	73.87 324 P	25 24.00 0.2		PTO	iPd	26 19.00 -0.2		RJF	92.92 40 iPd	26 58.00 -0.1
	1.0s 170.00nm	5.5mb			e(S)	35 56.00			1.4s 113.25nm	5.7mb
KIM	75.98 115 iPc	25 34.00 -1.6		MTE	iPd	26 20.00 0.1		CAF	93.01 40 iPd	26 58.80 0.2
	1.0s 340.00nm	5.8mb			i	27 02.50 171kmX			1.2s 77.35nm	5.7mb
FRS	76.02 116 iPd	25 35.50 -0.1		EGUA	eP	26 19.14 -0.9		LPF	93.14 36 iPd	26 58.50 -0.5
	0.9s 121.85nm	5.4mb		PCC	ePd	26 20.80 0.6			1.4s 122.00nm	5.8mb
GLD	77.00 328 P	25 41.50 0.7		BKS	ePd	26 21.80 0.8		GRR	93.46 36 iPd	26 59.90 -0.6
	1.3s 224.14nm	5.4mb			1.3s 324.00nm	5.8mb			0.7s 30.85nm	5.5mb
GOL	77.04 328 P	25 41.40 0.3			eSP	36 46.00		LSF	93.48 39 iPd	27 00.60 -0.1
GLA	77.20 318 eP	25 41.00 -0.9			e	42 00.00			1.4s 150.30nm	5.9mb
MAW	77.62 162 iPd	25 43.00 -0.5			e	43 14.00		DCN	93.51 30 eP	27 00.50 -0.1
	0.9s 187.00nm	5.5mb		BRK	ePd	26 21.30 0.3		DLF	93.81 30 eP	27 01.50 -0.5
BAR	78.07 316 eP	25 46.00 -0.5		ZSP	eP	26 22.69 1.5		FLN	93.89 36 iPd	27 01.90 -0.5
RUV	78.13 259 iP	25 48.80 1.7		AFC	eP	26 21.27 -0.3			1.1s 56.15nm	5.7mb
	1.1s 50.00nm	4.9mb		ECOG	eP	26 21.53 0.0		TCF	93.89 39 iPd	27 02.60 0.0
VAH	78.32 259 iP	25 49.70 1.6		KRI	iPd	26 23.00 0.7			1.1s 57.40nm	5.7mb
	1.1s 55.00nm	4.9mb			iP	26 40.50 62kmX		LDF	93.97 36 iPd	27 02.40 -0.4
TPT	78.42 259 iP	25 50.60 2.0			iPP	28 25.00			1.1s 80.60nm	5.8mb
	1.1s 95.00nm	5.1mb			iSKS	35 55.40		DMU	94.05 30 eP	27 02.40 -0.6
SEK	78.44 116 iPd	25 49.40 0.5		LRM	iPd	26 22.20 0.3		MAF	94.05 39 eP	27 03.50 0.2
	0.9s 239.50nm	5.6mb		EZAM	eP	26 22.37 0.0			1.2s 59.50nm	5.7mb
PLM	78.64 317 iPd	25 50.00 0.3		EPLA	iPd	26 22.75 0.0		COLF	94.29 40 P	27 05.02 0.6
PMO	78.65 259 iP	25 51.50 1.7		EBAN	eP	26 23.79 0.4		BGF	94.40 39 iPd	27 04.70 -0.1
	1.1s 75.00nm	5.0mb		MVO	iPd	26 23.00 -0.7			1.2s 98.20nm	5.9mb
TPC	78.66 318 eP	25 50.00 0.4		ORV	iPd	26 24.79 0.8		CDR	94.49 43 ePd	27 05.60 0.3
PRY	78.89 115 iPd	25 50.00 -1.2			eP	28 29.80 578km		LRG	94.74 43 iPd	27 07.10 0.7
	1.0s 235.00nm	5.6mb		ENIJ	eP	26 24.52 0.0			0.9s 89.60nm	6.0mb
PPT	79.04 256 eP	25 53.00 1.1		STS	eP	26 25.45 0.4		LMR	94.76 43 iPd	27 07.10 0.6
	1.1s 110.00nm	5.2mb		EHUE	eP	26 25.13 -0.8			1.2s 92.25nm	5.9mb
PEC	79.19 317 P	25 52.60 0.3		MIN	ePd	26 26.27 -0.7		AVF	94.82 39 iPd	27 06.60 -0.1
	0.7s 61.54nm	5.1mb			e	26 56.15 115kmX			1.4s 137.25nm	6.0mb
RVR	79.39 317 iPd	25 53.00 -0.3		ERUA	eP	26 27.50 0.3		FRF	94.97 43 iPd	27 08.00 0.5
MSU	79.58 323 P	25 55.10 0.6		TOL	eP	26 28.00 0.1			1.3s 86.65nm	5.8mb
GSC	79.93 318 iPd	25 57.00 0.8		EVIA	iPd	26 28.20 -0.5		SMF	95.01 40 iPd	27 07.70 0.1
RSSD	79.96 331 P	25 56.20 -0.1		MTD	iPd	26 31.00 0.6		SSF	95.06 39 iPd	27 07.80 0.0
	0.7s 122.84nm	5.4mb			iP	26 41.90 35kmX			1.1s 84.25nm	5.9mb
MWC	79.96 317 eP	25 57.00 0.4			iPP	28 35.80		LBF	95.28 39 iPd	27 08.60 -0.3
PAS	79.98 316 eP	25 57.00 0.6			iSKS	36 21.00			1.1s 68.35nm	5.8mb
AVE	80.01 45 iP	25 54.00 -2.6X		GUD	eP	26 29.93 -0.1		GRN	95.34 41 P	27 10.11 0.9
	i	26 15.50 80kmX		WDC	ePd	26 29.26 -0.8		LOR	95.38 39 iPd	27 09.10 -0.1
SBB	80.13 317 eP	25 56.00 -1.3			i	26 57.96			1.1s 80.60nm	5.9mb
DAU	80.49 325 P	26 00.40 1.1			eP	28 33.20 570km		SURF	95.56 43 P	27 11.33 0.9
CLC	80.76 318 eP	26 01.00 0.5			ePKKP	44 21.60		STV	95.75 43 P	27 11.50 0.4
ABL	81.10 316 P	26 02.20 -0.2		EMON	eP	26 29.28 -0.8		PZZ	95.75 43 P	27 11.91 0.8
DUG	81.14 324 P	26 03.00 0.6		LBFM	P	26 31.00 0.1		BNI	95.79 42 P	27 16.20 4.9X
ISA	81.18 317 iPd	26 03.00 0.4			pP	28 36.50 579km		ENR	95.80 43 P	27 11.09 -0.2
SYF	81.35 316 eP	26 04.00 0.4		CSY	iPc	26 31.00 0.6		PGF	95.90 45 eP	27 12.20 0.4
BW06	81.41 327 P	26 03.60 -0.3			0.8s 85.80nm	5.5mb		IMI	95.92 43 P	27 11.81 0.0
	0.7s 71.15nm	5.3mb			e	28 35.00 570km		BHB	96.03 42 P	27 11.81 -0.4
SCH	81.47 358 ePd	26 03.30 -0.3		FOX	ePd	26 35.29 1.4		LPL	96.07 42 iPd	27 13.70 1.0
	0.8s 178.00nm	5.6mb		ACU	eP	26 34.41 0.1			0.9s 37.65nm	5.6mb
IFR	81.61 46 iPd	26 06.00 1.0		FHC	ePd	26 35.91 1.1		LPG	96.07 42 iPd	27 13.70 0.9
BCH	81.85 316 P	26 06.80 0.7		SES	ePd	26 33.70 -1.0			0.9s 54.05nm	5.8mb
TNP	82.08 320 P	26 07.80 0.5			0.7s 168.00nm	6.0mb		ROB	96.11 43 P	27 12.32 -0.3
	0.5s 39.23nm	5.2mb		FFC	iPd	26 34.70 0.0		RSP	96.19 42 P	27 13.65 0.6
	pP	28 12.50 583km			0.9s 128.00nm	5.7mb		FIN	96.27 43 P	27 13.14 -0.2
FIG	82.29 42 eP	26 12.00 3.9X		ETOR	iPd	26 36.73 0.5		LSD	96.29 42 P	27 14.47 0.8
LIS	82.61 40 iPc	26 11.50 1.9		ECRI	eP	26 40.74 0.6		EKA	96.64 30 Pc	27 14.20 -0.4
BONR	82.62 319 P	26 10.60 0.5		NEW	89.05 327 P	26 39.30 -1.0			1.1s 33.50nm	5.5mb
NKM	82.67 44 iP	26 11.00 1.0		DPW	89.30 327 P	26 41.40 -0.1		PCP	96.65 43 P	27 13.65 -1.4
	i	26 13.00 6kmX		EROQ	89.60 43 eP	26 43.33 0.4		VITF	97.10 39 P	27 16.82 -0.1
MTH	82.71 40 iPc	26 11.80 1.7		EBR	89.65 43 eP	26 45.00 1.9		LOMF	97.11 40 P	27 16.09 -1.1
BUL	82.72 109 iPd	26 11.00 0.2		EGRA	89.99 41 iPd	26 47.00 2.3		HAU	97.19 39 iPd	27 17.20 -0.2

23d 23h

BOB	0.9s	37.65nm	5.7mb	WRA	130.37	202 PKP	32	34.00	-18.8X	QIZ	169.89	140 PKP	33	50.30	1.9
BSF	97.32	43 P	27 18.50 -0.3	MAIO	0.4s	3.10nm						pPKP	36	05.50	
DOU	97.35	40 iPd	27 18.00 -0.3		0.8s	23.43nm	32	36.00	-17.6X	XAN	170.23	42 PKPd	33	48.60	0.4
SNF	1.0s	36.00nm	5.7mb									PKPab	35	09.00	
VAI	97.36	37 Pc	27 18.10 0.0				32	54.00		GYA	170.99	91 PKP	33	49.20	0.3
MOF	97.42	37 P	27 18.50 0.2	QUE	136.43	74 PKP	32	52.40	-11.9X	SSE	174.31	318 PKP	33	50.80	1.0
BDI	97.47	42 P	27 17.90 -0.8	GAR	139.64	61 ePKP	33	01.60	-8.2X			PKPab	35	27.50	
ECH	97.55	40 P	27 18.91 -0.3	POO	139.73	93 ePKP	33	09.00	-1.4			PP	39	20.00	
CDF	97.67	39 P	27 19.61 -0.4	GBA	140.99	102 PKPc	33	05.70	-6.9X			SKKS	45	10.00	
WLF	97.93	39 P	27 20.59 -0.3	HYB	0.5s	12.50nm						PKPc	33	50.50	0.6
WLS	97.97	38 iPd	27 21.05 0.2		143.52	97 iPKPd	33	15.00	-2.0	NJ2	174.58	341 iPP	39	18.50	
MDI	97.99	43 P	27 20.69 -0.3		0.8s	714.30nm				WHN	175.85	30 ePKPc	33	51.00	0.8
YKA	98.06	339 eP	27 20.70 -0.3	YAK	143.87	350 iPKPd	33	15.00	-0.6			PKPab	35	34.00	
FEL	0.6s	24.70nm	5.7mb			eP	33	30.00				PP	39	29.00	
PGD	98.07	40 P	27 21.28 -0.3			ePP	33	36.00		S.D. = 0.9 on 332 of 358 obs.					
MEM	98.28	45 P	27 24.50 1.8			ePPP	33	45.00		% JUN 23, 1991 23h 31m 25.58±0.65s					
GW	98.40	37 iPc	27 22.90 0.2			eS	36	35.00		43.320 N ± 6.0km 12.502 E ± 6.9km					
ARV	98.42	39 P	27 22.73 -0.3			eSS	36	41.00		DEPTH = 10.0km (geophysicist)					
SGO	98.87	46 P	27 26.10 1.0			eSSS	36	54.00		CENTRAL ITALY (381)					
CTI	99.04	49 P	27 29.30 3.4X	KSH	143.98	59 PKPd	33	16.00	-1.3	ASS	0.28	155 Pc	31	31.00	-0.4
WTS	99.30	43 P	27 27.60 0.5	NDI	145.12	78 iPKPd	33	18.50	-0.9	ARV	0.37	61 Pc	31	33.20	0.1
WTIA	99.56	36 eP	27 28.00 0.1	PSI	0.5s	436.62nm				CRE	0.51	308 P	31	35.70	-0.2
	0.8s	17.00nm	5.5mb	GUA	150.47	249 ePKP	33	33.20	5.1X			eSg	31	38.10	
	1.1s	22.80nm	5.5mb	GUMO	150.53	249 ePKP	33	33.40	5.2X	SFI	0.76	322 P	31	40.40	-0.1
FVI	100.25	43 Pd	27 31.10 -0.1		1.0s	584.00nm				PGD	0.79	315 P	31	41.30	0.2
MOX	101.50	39 ePd	27 37.00 0.3	PJG	150.53	249 ePKP	33	33.50	5.3X	MNS	0.94	172 P	31	44.00	0.4
KHC	2.1s	44.00nm	5.6mb	WMO	151.15	47 PKPd	33	28.50	0.1			eSg	31	54.50	
	101.91	41 Pd	27 38.00 -0.6	GKN	151.55	80 PKP	33	29.52	0.0			eSg	31	57.00	
	1.4s	7.00nm	5.0mb		0.8s	639.00nm				S.D. = 0.4 on 6 of 6 obs.					
CLL	102.58	39 ePd	27 42.00 0.5	DMN	151.92	81 PKP	33	30.18	-0.1	* JUN 24, 1991 01h 26m 49.87±0.85s					
	1.7s	31.00nm	5.7mb	KGM	152.08	150 ePKP	33	30.50	0.0	16.619 N ± 13.3km 86.381 W ± 6.7km					
PRU	102.86	40 ePd	27 43.20 0.4			e	33	50.90		DEPTH = 10.0km (geophysicist)					
		e	27 46.40	KKN	152.09	81 PKP	33	30.38	0.0	4.5mb (10 obs.)					
BRG	102.91	39 ePd	27 45.40 2.4X	PKI	152.19	81 PKP	33	30.46	-0.3	CARIBBEAN SEA (94)					
	1.7s	22.00nm	5.5mb	GUN	152.63	81 PKP	33	31.46	0.1	GCM	5.45	60 P	28	12.15	-1.0
NAO	105.84	29 Pd	27 55.20 -0.6	IPM	153.18	143 ePKPc	33	39.00	7.0X			S	29	11.20	
HFS	106.82	31 ePd	27 59.90 -0.2	MNI	153.48	198 ePKP	33	33.00	0.6	TPX	5.91	254 (P)	28	46.50	26.9X
	0.5s	0.70nm	4.8mb	LSA	157.33	77 PKP	33	38.70	1.1	SCX	5.99	272 (P)	28	21.50	0.7
HFS	106.82	31 ePKP	32 04.50 -2.0			PKPab	34	13.00		PBJ	8.66	270 (P)	28	54.50	-3.7X
	0.5s	2.40nm				PP	37	55.00		OXX	9.91	274 (P)	29	15.50	-0.2
INK	107.83	338 ePd	28 06.00 1.6	NNT	158.60	129 ePKP	33	38.40	-0.4	VHO	9.92	274 (P)	29	14.00	-1.8
MLR	108.16	48 ePKPc	32 09.00 -0.7	MAT	159.41	303 ePKP	33	38.00	-1.1	UPA	10.11	138 eP	29	14.10	-4.0X
MBC	108.56	348 ePd	28 08.00 0.5		1.8s	90.91nm				IISM	10.74	284 (P)	29	24.50	-2.3
	0.8s	8.00nm	5.7mb	MDJ	159.55	333 ePKP	33	39.00	0.0	IIT	11.61	284 (P)	29	39.00	0.1
MBC	108.56	348 ePKP	32 09.00 -0.4	BDT	160.97	117 ePKP	33	39.20	-1.9	PPM	11.91	284 (P)	29	43.50	0.2
	0.5s	9.00nm		GTA	161.19	44 iPKPd	33	41.60	0.6	TPM	12.30	283 (P)	29	49.50	1.2
VRI	108.80	48 ePKPc	32 05.00 -5.8X			PKPab	34	29.60		III	12.61	280 (P)	29	51.00	-1.4
NUR	112.06	32 ePKP	32 15.00 -1.4			PP'ab	35	58.00		MRX	14.41	285 (P)	30	16.50	0.6
	0.7s	22.70nm				PP	38	16.50		JSC	18.18	14 P	31	00.00	-4.0X
IMA	114.46	333 PKP	32 21.20 0.1	CHG	161.74	113 ePKP	33	42.50	0.3	TUL	20.96	338 eP	31	35.40	-0.1
SOD	114.51	25 iPKP	32 20.60 -0.4	CN2	161.75	339 PKP	33	40.00	-1.2		0.8s	78.50nm	31	39.60	5.1mb
KEV	115.08	23 ePKP	32 32.10 10.1X			PKPab	34	30.00				e	31	41.60	
STK	116.89	204 ePKP	32 25.70 -0.9			epPKP	35	53.00				e	31	47.80	
	1.0s	10.30nm				PP	38	33.00				e	35	15.50	
OBN	117.18	40 iPKPd	32 25.20 -1.2	SNY	164.12	341 PKPc	33	41.70	-1.9	MEO	21.13	331 iPd	31	38.10	0.8
	1.0s	*****nm		BTO	165.29	21 iPKPd	33	45.50	0.7	BLA	21.18	13 P	31	38.00	0.2
		e	33 46.00			PKPab	34	48.00		FVM	21.58	351 ePd	31	40.50	-1.3
TAB	120.87	60 ePKP	32 35.00 0.8			PP	38	33.00		ALO	25.60	319 eP	32	23.00	1.8
IR7	123.78	64 ePKP	32 39.00 -0.9	HHC	165.48	16 iPKPd	33	46.00	1.0		1.2s	18.75nm	32	23.00	4.7mb
IR1	123.79	64 ePKP	32 39.50 -0.4			PKPab	34	48.50		ANMO	25.60	319 P	32	23.00	1.8
IR4	123.92	64 ePKP	32 40.00 -0.2			PP'ab	36	02.00			1.0s	8.75nm	32	45.00	4.4mb
MRWA	124.16	179 ePKP	32 39.40 -1.2			PP	38	36.00		GOL	28.33	328 P	32	45.00	-1.2
ADK	124.99	316 PKP	32 39.80 -1.7	LZH	165.73	47 PKPd	33	45.50	0.1		0.9s	4.17nm	33	18.00	4.2mb
CTA	125.19	215 iPKPd	32 42.50 -0.4			PKPab	34	49.00		RSSD	31.22	335 P	33	18.00	6.1X
	0.7s	44.52nm				PP'ab	36	01.50			1.5s	14.40nm	33	28.00	4.7mb
WARB	126.33	191 ePKP	32 36.00 -9.0X			sP'ab	36	55.00		BW06	32.72	328 P	33	28.00	2.9X
		e	32 44.00			ePP	38	38.00			1.0s	4.17nm	33	28.00	4.3mb
		e	35 07.00			SKKS	44	26.00		TNP	34.49	314 iPd	33	42.50	2.0
ASPA	127.03	200 iPKP	32 45.10 -1.3			eSS	58	25.00			1.2s	18.15nm	34	01.60	4.9mb
		iPP	35 04.60	BJI	166.92	2 ePKP	33	46.50	0.6	FRI	35.74	311 eP	34	01.60	10.8X
		iSKS	38 55.80			ePKPab	34	50.00		LRM	36.35	329 eP	34	05.40	9.2X
		iSKKS	40 44.60			epPKP	36	03.00		CMB	36.68	312 ePc	34	10.20	11.4X
		ePKK	42 15.90			ePP	38	40.00		PRS	36.69	309 ePc	34	09.70	10.9X
		iSPP	45 56.20	DL2	167.38	342 ePKP	33	47.00	0.7	MHC	37.29	311 ePc	34	16.10	12.1X
QIS	127.84	207 iPKPd	32 47.00 -1.0	CD2	167.97	68 ePKP	33	47.20	0.2	GCC	37.42	310 e(P)	34	18.70	13.7X
	0.5s	28.00nm		TIY	168.66	18 iPKPd	33	46.00	-1.2	ORV	38.13	314 ePc	34	22.90	11.9X
		iS	35 12.80			PKPab	34	58.00		SES	39.10	335 eP	34	28.00	9.0X

24d 02h

RZN 1.25 104 eS 18 08.00
 THE 1.37 184 iPc 17 51.00 -0.1
 KDZ 1.76 101 eS 18 08.00
 PVL 2.05 53 iS 17 53.82 1.0
 18 10.92
 17 59.00 0.4
 18 22.00
 18 02.00 -0.7
 18 04.00
 18 30.00
 S.D. = 0.6 on 13 of 13 obs.

JUN 24, 1991 03h 09m 50.19 ± 0.34s
 10.435 S ± 5.2km 123.928 E ± 7.6km
 DEPTH = 28.4km (3 depth phases)
 5.4mb (25 obs.)

TIMOR (289)

KUPT 0.42 312 ePd 09 58.00 -1.3
 MKS 6.81 319 iPc 11 36.00 5.2X
 KNA 7.08 139 eP 11 35.20 0.6
 MTN 7.45 109 iPd 12 53.20
 WB2 13.80 134 eP 11 40.80 1.0
 0.3s 25.40nm 13 02.10 -4.2X
 5.5mb
 TSM 15.69 338 eP 15 32.50
 WARB 15.87 171 eP 13 36.00 5.0X
 0.4s 15.00nm 13 34.00 0.6
 ASPA 16.24 145 iPc 13 37.40 -0.6
 0.6s 68.60nm 5.0mb
 DAV 17.48 5 eP 16 32.90
 KKM 18.08 335 ePc 13 55.10 1.4
 1.2s 101.50nm 14 04.00 2.7X
 4.8mb
 QIS 18.14 126 iPc 14 00.80 -1.0
 14 12.50
 17 13.90
 CGP 18.78 2 iPc 14 11.50 1.8
 1.0s 96.00nm 5.0mb
 MRWA 20.11 201 eP 14 26.50 1.9
 COOL 20.51 187 eP 14 27.60 -1.3
 MAP 20.62 0 ePd 14 30.50 0.5
 1.2s 263.00nm 5.5mb
 PPR 20.73 345 iP 14 33.00 1.8
 15 17.00
 BAL 21.17 197 eP 14 35.00 -0.5
 14 38.10 11kmX
 PLP 21.48 3 ePd 14 34.00 -4.8X
 1.3s 173.00nm 5.3mb
 KLB 21.82 194 eP 14 45.00 2.9X
 MUN 22.60 197 eP 14 54.00 4.2X
 PMG 22.90 89 eP 15 01.00 8.1X
 NWA0 23.22 194 eP 15 04.50 8.6X
 CTA0 23.55 117 iPd 15 04.50 5.2X
 15 31.00 129kmX
 19 18.00
 KGM 23.95 300 ePc 15 04.20 1.0
 PGP 23.96 353 iPd 15 04.80 1.6
 1.0s 138.00nm 5.4mb
 QLP 25.01 133 eP 15 18.50 5.2X
 15 27.60 32km
 19 55.00
 ADE 27.89 153 e(P) 15 45.20 5.3X
 0.8s 89.55nm 5.5mb
 CMS 29.16 139 eP 15 55.40 4.1X
 16 13.00 75kmX
 BFD 31.48 151 eP 16 14.50 2.8X
 BWA 32.73 141 eP 16 29.00 6.3X
 CAN 33.68 141 eP 16 40.30 9.3X
 CHTO 38.10 320 eP 17 08.90 0.3
 1.0s 162.50nm 5.8mb
 GYA 40.33 336 Pd 17 28.40 1.2
 1.3s 40.00nm 5.0mb
 KMI 40.94 330 Pd 17 34.60 2.3
 SSE 41.38 356 Pc 17 35.50 0.0
 1.2s 17.00nm 4.7mb
 WHN 41.77 348 Pc 17 40.00 1.2
 1.2s 40.00nm 5.0mb
 17 55.50 61kmX
 NJ2 42.52 354 Pd 17 45.00 0.1
 CD2 45.44 335 eP 18 08.10 -0.5
 1.2s 60.00nm 5.4mb
 XAN 46.47 343 P 18 15.60 -1.1
 TIA 46.84 352 eP 18 18.30 -1.2
 TSRJ 47.12 13 P 18 22.20 0.5
 SHL 47.48 319 eP 18 25.00 0.0

CHJJ 48.37 16 P 18 31.10 -0.4
 MTMJ 48.56 15 P 18 32.30 -0.8
 MAT 48.62 15 iPc 18 33.10 -0.4
 1.0s 40.00nm 5.4mb
 KAKJ 48.85 17 P 18 34.50 -0.7
 TIY 49.09 348 eP 18 35.00 -2.1
 Z 25s 0.56um 4.5mszX
 DL2 49.13 358 eP 18 36.50 -0.8
 1.3s 50.00nm 5.4mb
 NIIJ 49.49 16 P 18 40.10 0.0
 LZH 50.00 339 Pc 18 45.00 0.7
 1.3s 95.00nm 5.7mb
 KOD 50.56 293 eP 18 53.00 27km
 BJI 50.73 352 eP 18 54.10 5.0X
 1.5s 53.00nm 5.3mb
 LSA 50.88 323 P 18 52.40 0.9
 SNY 52.00 360 eP 18 56.90 -2.2
 HHC 52.29 348 P 19 01.00 -0.5
 0.9s 10.00nm 4.8mb
 BTO 52.38 347 eP 19 01.00 -1.2
 HYB 52.69 301 eP 19 04.50 -0.3
 GUN 53.00 317 P 19 06.36 -1.0
 0.9s 123.00nm 5.9mb
 PKI 53.10 316 P 19 06.74 -1.3
 KKN 53.33 316 P 19 08.58 -1.0
 1.1s 157.00nm 5.9mb
 DMN 53.33 316 P 19 08.58 -1.1
 1.0s 88.00nm 5.7mb
 GKN 53.90 316 P 19 12.54 -1.2
 1.0s 87.00nm 5.7mb
 CN2 53.99 1 eP 19 12.00 -1.8
 GTA 54.42 337 P 19 17.80 0.5
 1.4s 40.00nm 5.3mb
 MDJ 55.03 5 iPc 19 25.80 26km
 WMO 63.25 331 Pc 19 22.00 0.5
 1.0s 40.00nm 5.5mb
 QUE 68.03 308 eP 20 49.90 0.2
 MAIO 76.30 311 eP 21 41.00 2.5
 OBN 96.94 325 eP 23 22.00 2.0
 1.1s *****nm 8.8mb X
 PNT 115.01 40 ePKP 28 35.00 4.7X
 ALO 128.16 54 ePKP 29 00.50 4.3X
 VAO 145.59 195 ePKP 29 33.40 5.0X
 29 37.90
 PNJ 145.70 25 iPKP 29 31.90 4.0X
 GMTN 145.71 25 iPKP 29 31.90 4.0X
 CBN 146.39 31 ePKP 29 34.00 4.9X
 PPD 147.40 188 ePKP 29 37.70 6.5X
 ARE 149.23 150 e(PKP) 29 47.00 12.4X
 NNA 149.63 137 ePKP 29 45.00 10.0X
 1.0s 15.00nm
 CCH 150.62 160 ePKP 29 47.00 10.3X
 LPB 150.68 156 PKP 29 48.00 11.1X
 ZOBO 150.91 156 PKP 29 43.00 5.5X
 1.2s 34.46nm
 BAO 152.89 197 e(PKP) 29 48.10
 SIV 153.28 169 PKP 29 52.00 12.2X
 S.D. = 1.2 on 52 of 83 obs.
 JUN 24, 1991 04h 32m 07.33 ± 0.68s
 44.971 N ± 3.5km 6.672 E ± 7.5km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.1 (GEN).
 BNI 0.08 2 P 32 09.90 -0.1
 eSg 32 11.90
 RRL 0.09 122 P 32 10.29 0.1
 S 32 13.06
 BHB 0.44 107 P 32 16.76 0.5
 S 32 23.40
 RSP 0.45 66 P 32 17.37 0.8
 S 32 24.03
 LPG 0.53 6 Pg 32 17.70 -0.4
 Sg 32 25.90
 LPL 0.55 4 Pg 32 17.90 -0.6
 Sg 32 26.40
 PZZ 0.56 147 P 32 17.98 -0.8
 S 32 26.29
 LSD 0.59 35 P 32 19.83 0.3
 S 32 27.52
 STV 0.86 147 P 32 22.85 -1.2
 S 32 34.80
 ENR 0.92 144 P 32 23.40 -1.5

S 32 35.96
 SBF 1.24 153 Pg 32 30.90 0.6
 Sg 32 46.80
 PCP 1.40 107 P 32 33.36 0.4
 FRF 1.41 181 Pg 32 34.00 1.0
 Sg 32 51.00
 LMR 1.64 184 Pg 32 37.20 0.9
 Sg 32 58.30

S.D. = 0.8 on 14 of 14 obs.

& JUN 24, 1991 04h 59m 04.30s
 58.318 N 137.008 W
 DEPTH = 10.0km (geophysicist)
 5.6mb (87 obs.) 5.5msz (24 obs.)
 SOUTHEASTERN ALASKA (19)

<PGC>. Ms 5.7 (BRK).

Mo=4.0*10**17 Nm (PPT). Felt (V)

at Gustavus and Skagway; (IV) at

Juneau and Pelican; (III) at

Elfin Cove. Also felt at Haines.

Sitka and Yakutat, Alaska.

Pleasant Camp, British Columbia

and Whitehorse, Yukon Territory.

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 16S, 39C

Centroid Location:

Origin Time 04:59:10.5 0.7

Lat 58.97N 0.14 Lon 136.99W 0.19

Dep 15.0 FIX Half-duration 2.7

Moment Tensor: Scale 10**17 Nm

Mrr=-0.76 0.52 Mtt=-1.90 0.70

Mff= 2.66 0.28 Mrt= 0.56 0.84

Mrf= 0.07 1.16 Mtf= 1.86 0.36

Principal Axes:

T Val= 3.34 Plg= 4 Azm=290

N -0.65 75 33

P -2.69 15 199

Best Double Couple: Ma=3.0*10**17

NP1: Strike=335 Dip=77 Slip=-172

NP2: 244 82 -13

PLBC 1.19 16 iPgD 59 25.50 -1.0
 SIT 1.55 144 iPc 59 31.50 -0.5
 PNL 1.83 319 eP 59 35.23 -0.9
 YKU 1.88 312 iPc 59 37.20 0.5
 HYT 2.53 354 Pd 59 45.00 -1.2
 WHC 2.61 21 Pd 59 46.70 -0.6
 TCBC 3.06 95 P 59 52.60 -1.1
 CTGM 3.45 322 iP 59 58.88 -0.3
 DLB 3.66 85 Pc 00 01.00 -1.3
 FKBC 3.77 111 P 00 02.50 -1.3
 BALM 3.84 317 eP 00 03.52 -1.3
 TGL 3.84 312 eP 00 03.01 -1.8
 RAGM 4.44 301 eP 00 10.77 -2.4
 GLB 4.64 315 eP 00 14.64 -1.5
 01 08.30
 SGAM 4.73 301 eP 00 15.48 -1.8
 MID 4.97 287 iPc 00 19.70 -0.9
 CVA 4.99 300 eP 00 18.66 -2.3
 HIN 5.29 297 eP 00 22.53 -2.7
 VLZ 5.50 305 eP 00 26.05 -2.1
 KLU 5.50 309 eP 00 25.94 -2.3
 VZW 5.56 304 eP 00 27.01 -2.1
 TZL 5.62 315 eP 00 29.17 -0.7
 MTU 5.73 292 eP 00 29.54 -1.9
 GLI 5.73 301 eP 00 28.78 -2.7
 TMW 5.81 332 eP 00 30.75 -1.8
 LTI 5.84 292 eP 00 30.42 -2.5
 KNIM 5.86 295 eP 00 30.64 -2.5
 DWY 5.87 350 Pd 00 31.70 -1.7
 MUB 5.91 79 Pc 00 32.40 -1.7
 TOA 5.94 314 iPc 00 33.50 -0.9
 SDG 5.97 319 eP 00 33.33 -1.5
 PAX 6.25 322 eP 00 36.78 -2.0
 SCM 6.25 309 eP 00 37.20 -1.7
 KNK 6.55 303 eP 00 41.10 -1.9
 SEW 6.63 291 eP 00 41.32 -2.8
 THY 6.66 324 eP 00 45.06 0.5
 SML 6.66 306 eP 00 42.39 -2.2
 GHO 6.90 305 eP 00 45.61 -2.3
 PLRM 6.91 303 eP 00 45.99 -2.1
 PMR 6.91 303 ePc 00 46.00 -2.1
 PMS 6.98 300 eP 00 46.66 -2.4
 SLKM 7.09 294 eP 00 47.30 -3.3
 PWA 7.27 303 eP 00 50.60 -2.4
 CNPM 7.46 285 eP 00 52.34 -3.5

NML	7.54	289	eP	00	54.84	-2.0				iS	08	24.00			GMTN	42.56	86	iP	07	01.80	0.3	
SUA	7.59	300	eP	00	53.97	-3.7				eLR	10	12.00			PRM	43.34	100	eP	07	08.00	0.1	
NKA	7.63	295	eP	00	56.19	-1.9	PCC	22.92	149	eP	04	11.57	2.4		JSC	43.77	98	ePc	07	11.50	0.2	
HOM	7.68	286	eP	00	57.65	-1.1	CMB	23.00	145	iPd	04	12.48	2.5		LHS	43.85	98	eP	07	12.30	0.3	
RND	7.70	316	eP	00	58.37	-0.9				eS	08	36.00			MRX	46.54	131	(P)	07	36.50	3.0	
XLV	7.71	285	eP	00	56.15	-3.1				eLR	10	45.00			AKU	48.12	29	iPc	07	46.90	1.4	
CUT	7.74	308	eP	00	58.22	-1.4	BW06	23.13	120	iPc	04	12.90	1.4			1.3s	53.85nm				5.5mb	
HUR	7.76	312	eP	00	58.51	-1.5				2.0s	815.14nm		5.9mb	PPM	48.16	128	(P)	07	49.50	2.5		
MCK	7.93	318	eP	01	01.28	-1.1	MHC	23.28	148	ePd	04	15.40	2.6		11T	48.33	128	(P)	07	50.00	2.0	
SYI	8.07	279	eP	01	02.11	-2.2				eS	08	42.00			11I	48.43	129	(P)	07	48.50	-0.2	
SKT	8.12	303	eP	01	01.61	-3.3	ARN	23.30	147	eP	04	15.30	2.4		11SM	48.75	127	(P)	07	53.00	2.1	
SPU	8.12	297	eP	01	01.32	-3.7	ADK	23.32	271	eP	04	14.10	1.2		OXX	50.73	127	(P)	08	09.00	2.7	
CGLM	8.13	298	eP	01	01.89	-3.3				1.2s	149.50nm		5.4mb	TRO	51.18	11	eP	08	08.00	-0.9		
WRH	8.14	324	eP	01	03.75	-1.4	GCC	23.47	149	iPd	04	17.72	3.3		KEV	51.71	7	iP	08	11.00	-1.9	
RDT	8.16	293	eP	01	02.36	-3.3	80NR	23.74	141	eP	04	20.00	2.5			0.7s	20.00nm				5.2mb	
CCB	8.18	325	eP	01	03.01	-2.7	DUG	23.82	129	eP	04	19.80	1.7		Z	16s	1.70um				5.2MsZx	
CRP	8.19	298	eP	01	02.66	-3.4	SAO	23.87	148	ePd	04	21.12	2.7				LR	46	32.00			
NCG	8.22	298	eP	01	03.17	-3.4	TNP	23.99	139	ePc	04	22.00	2.2		PBJ	51.86	126	(P)	08	15.00	0.3	
KDC	8.24	273	iPc	01	03.40	-3.2				0.9s	119.14nm		5.5mb	GTK1	52.17	9	iPc	08	14.45	-2.0		
CKL	8.26	297	eP	01	03.19	-3.8	LLA	24.15	147	eP	04	24.52	3.4		SOD	54.04	8	iP	08	28.80	-1.4	
REF	8.30	292	eP	01	04.17	-3.4	FRI	24.17	144	iPd	04	24.05	2.8		MDJ	55.10	300	iPc	08	37.50	-0.9	
BGL	8.30	297	eP	01	04.66	-2.9	DAU	24.29	126	eP	04	24.60	1.7			1.0s	20.00nm				5.1mb	
DFR	8.30	293	eP	01	03.99	-3.6	PRS	24.30	148	ePd	04	25.54	3.0		Z	32s	1.80um				4.9MsZx	
GLM	8.31	328	eP	01	04.47	-3.2	PRI	24.67	147	iPd	04	29.88	3.5		N	15s	1.60um					
RSD	8.32	292	eP	01	04.69	-3.2	RSSD	24.75	111	ePc	04	28.00	0.9		E	15s	1.90um					
RS2	8.32	292	eP	01	04.91	-3.1				1.0s	271.15nm		5.9mb			S	16	17.00				
RDN	8.33	292	eP	01	04.62	-3.4	Z	19s	17.96um			5.6MsZ				sS	16	28.00				
RDW	8.35	292	eP	01	05.08	-3.3	PKEM	24.91	146	eP	04	31.50	3.0		NSS	55.23	16	iPc	08	37.29	-1.7	
FBA	8.36	327	ePc	01	05.30	-3.0	MSU	25.51	130	eP	04	36.20	1.7		N11J	56.23	287	iP+	08	46.30	-0.3	
RDS	8.41	326	eP	01	07.10	-1.9	ISA	25.78	143	iPd	04	38.00	1.3		KAKJ	56.44	286	P	08	47.80	-0.3	
NCT	8.42	292	iP	01	06.27	-3.0	CLC	25.92	142	iPd	04	40.00	2.0		LPS	56.51	120	eP	08	49.50	0.5	
NEA	8.52	322	eP	01	08.64	-1.9	SYF	26.38	147	eP	04	45.00	2.6			1.4s	127.91nm				5.8mb	
MDM	8.53	326	eP	01	07.81	-2.9	GSC	26.65	141	iPd	04	47.00	2.2		CHJJ	57.16	286	iP+	08	53.10	-0.2	
AUE	8.55	284	eP	01	09.99	-1.0	PV09	26.79	126	ePc	04	46.50	0.1		MAT	57.17	287	iPc	08	52.80	-0.6	
AUI	8.58	284	eP	01	10.72	-0.6	SBB	26.88	143	iPd	04	48.00	1.1			1.1s	67.09nm				5.6mb	
AUH	8.59	284	eP	01	10.24	-1.3	MWC	27.24	144	eP	04	51.00	0.7				eS	16	44.00			
CDD	8.70	281	eP	01	10.22	-2.9	PAS	27.27	144	iP	04	52.00	1.6		MTMJ	57.34	288	eP	08	54.70	0.0	
PDB	8.98	287	eP	01	14.59	-2.2				epP	05	42.00	258kmX		CN2	57.61	302	Pc	08	55.20	-1.1	
MCNL	9.05	283	eP	01	17.37	-0.5				ePP	06	52.00				1.0s	100.00nm				5.8mb	
SVW	9.80	294	iPc	01	23.50	-4.8				ePcP	07	29.00			Z	20s	4.70um				5.6MsZ	
INK	10.15	7	P	01	28.50	-4.4				eS	10	49.00			N	15s	3.00um					
										ePcS	11	03.00			E	15s	1.80um					
TTA	10.40	304	iPc	01	33.20	-3.3				eLg	11	44.00					eS	16	51.00			
	1.1s	1210.80nm				7.2mb X				eLR	12	48.00					eSS	20	48.00			
IMA	10.96	322	iPc	01	42.00	-2.2				eSSS	13	38.00			NAO	58.57	18	P	09	00.90	-1.9	
	0.8s	424.90nm				6.8mb X				eScS	15	53.00				1.0s	44.60nm				5.5mb	
YKA	11.81	60	eP	01	53.10	-2.5	GOL	27.49	119	eP	04	53.50	0.8		TSRJ	59.07	288	P	09	06.50	-0.1	
	1.0s	95.00nm				6.0mb				1.0s	47.50nm		5.2mb	KONO	59.47	19	eP	09	09.00	-0.1		
PGC	12.58	134	eP	02	08.00	2.1	Z	18s	12.13um			5.5MsZ		SNY	60.01	302	iPc	09	12.00	-1.0		
	1.2s	157.00nm				6.1mb						1.1			1.4s	80.00nm				5.7mb		
MCW	12.79	133	eP	02	10.60	1.8	GLD	27.52	118	eP	04	54.00	1.1		Z	14s	3.40um				5.6MsZx	
SDN	13.18	267	eP	02	12.30	-1.6	RVR	27.66	143	iPd	04	55.00	1.0		N	13s	1.50um					
	1.1s	814.30nm				6.8mb X	SMY	27.71	280	P	05	00.00	5.8		E	13s	3.00um					
PNT	13.63	124	P	02	21.50	1.6	Z	20s	5.00um			5.1MsZ				pP	09	17.60	18kmX			
GMW	13.74	136	eP	02	23.90	2.5	PEC	27.82	143	ePd	04	56.90	1.4				S	17	24.00			
RMW	14.19	133	eP	02	30.10	2.8	TPC	27.99	141	iPd	04	59.00	2.0		UPP	60.49	14	iPc	09	14.40	-1.6	
EDM	14.22	101	P	02	27.87	0.2	PLM	28.42	143	iPd	05	02.00	1.0			1.0s	100.00nm				5.9mb	
BMW	14.50	139	eP	02	32.50	1.1	BAR	29.10	143	eP	05	09.00	2.1		NUR	60.64	10	iP	09	15.50	-1.6	
LON	14.78	135	eP	02	37.40	2.4	GLA	29.37	140	eP	05	11.00	1.6			0.8s	68.90nm				5.8mb	
ANM	14.84	307	eP	02	33.98	-1.6	ANMO	30.94	126	ePc	05	23.90	0.4		EKA	60.78	28	Pc	09	17.20	-0.9	
BRW	15.38	336	eP	02	42.50	0.0				1.5s	229.17nm		5.8mb		1.0s	34.40nm					5.4mb	
NEW	15.52	122	eP	02	46.20	1.6	ALO	30.94	126	ePc	05	23.80	0.3		DMU	61.09	31	eP	09	19.10	-1.1	
	1.0s	575.00nm				5.8mb				1.6s	255.03nm		5.9mb	DCN	61.48	32	eP	09	22.00	-0.8		
SES	17.00	107	ePc	03	01.50	-1.9	FR8	32.12	51	P	05	33.00	-0.3		DLF	61.73	31	eP	09	24.50	0.0	
	1.1s	614.00nm				5.6mb				2.1s	57.20nm		5.1mb	DL2	63.25	301	P	09	34.00	-0.8		
MBC	19.08	13	ePc	03	27.00	-1.9	ME0	34.65	116	iPc	05	55.90	0.3			1.3s	200.00nm				6.1mb	
	0.6s	255.00nm				5.6mb	SWO	34.97	84	P	05	58.14	0.0		Z	18s	2.20um				5.4MsZ	
FHC	19.40	149	eP	03	35.00	1.9	FVM	36.18	104	ePc	06	07.40	-1.1		N	15s	2.20um					
	0.9s	200.00nm				5.4mb				1.1s	170.73nm		5.8mb	E	15s	4.30um						
LRM	19.46	119	iPc	03	33.70	-0.4	ELF	37.17	89	P	06	18.00	1.2				S	18	05.00			
LBFM	19.51	144	eP	03	36.00	1.5	SCH	37.25	64	eP	06	17.00	-0.4		COP	63.73	19	iPc	09	37.00	-0.7	
FFC	19.51	85	eP	03	30.50	-3.8	DLA	37.27	90	P	06	19.50	1.9			0.9s	43.70nm				5.6mb	
	1.1s	234.00nm				5.4mb	LDN	37.35	89	P	06	19.40	1.1		BSD	64.68	17	iPc	09	44.00	0.0	
FOX	19.66	149	ePd	03	38.19	2.2	OLY	37.56	107	eP	06	18.60	-1.6			0.9s	40.00nm				5.6mb	
WDC	20.01	146	iPd	03	41.90	2.2	CLE	38.25	91	iP	06	27.50	1.6		BJI	64.72	306	eP	09	44.00	-0.4	
MIN	20.51	145	iPd	03	47.00	1.9	WVLY	39.12	88	eP	06	33.80	0.6			1.5s	77.00nm				5.7mb	
ORV	21.27	145	ePd	03	54.09	1.4	DAG	39.73	19	iPd	06	37.40	-0.4		Z	24s						

24d 05h

UCC	0.7s	14.00nm	5.3mb	1.1s	100.00nm	5.9mb	XAN	72.87	307	Pc	10	34.00	-1.0		
BTO	66.75	26 P	10 01.00	3.8	Z 20s	1.90um	5.3MsZ	N 13s	1.80um						
	66.81	310 P	09 57.00	-1.0	E 15s	2.30um		E 14s	2.40um						
	3.0s	800.00nm	6.4mb		S	19 33.00			S	20 00.00					
N	16s	3.20um			KHC	70.22	20 iPc	10 25.50	6.7	EPF	72.97	31 iPc	10 35.60	0.2	
E	19s	4.70um				1.3s	33.00nm		5.3mb		1.1s	12.20nm		4.9mb	
		pP	10 08.00	36kmX	Z	18s	2.00um		5.4MsZ	MTE	73.01	38 eP	10 35.50	-0.2	
		PP	12 27.00		N	18s	1.00um				i	11 15.50			
		S	18 50.00		E	18s	1.50um			BHB	73.02	26 P	10 36.30	0.7	
OBN	66.82	4 iPc	09 52.00	-5.6		e	10 29.00			LZH	73.15	312 iPc	10 36.50	-0.2	
Z	15s	2.00um	5.5MsZ		S	19 36.00					2.0s	190.00nm		5.8mb	
E	15s	0.50um				S	10 18.00	-0.1		Z	24s	8.16um		5.9MsZ	
		ePcP	10 07.00		LBF	70.22	27 iPc	10 18.00	-0.1	N	20s	4.51um			
		e	10 41.00			1.0s	14.00nm		5.0mb	E	21s	8.86um			
		eS	18 50.00		AVF	70.25	28 iPc	10 18.90	-0.1			pP	10 42.00	18kmX	
		eScS	19 53.00			1.3s	63.20nm		5.6mb			sP	10 47.00		
		eSS	23 31.00		LSF	70.30	29 iPc	10 19.20	-0.1			PcP	10 54.50		
ENN	67.13	25 ePc	09 59.50	-0.1	FEL	70.31	24 P	10 18.97	-0.6			PP	13 16.50		
	1.0s	56.00nm	5.7mb		KRA	70.34	16 eP	10 18.70	-0.8			sS	20 05.00		
		e	10 37.50			1.0s	50.00nm		5.6mb	BMR	73.15	14 ePd	10 45.00	8.7	
MEM	67.29	25 iPc	09 59.60	-1.1	Z	20s	2.10um		5.4MsZ	SURF	73.25	26 P	10 38.36	1.1	
FLN	67.45	30 iPc	10 01.40	-0.3	E	22s	2.20um			VOY	73.26	21 ePc	10 36.50	-0.6	
	Z	20s	3.25um	5.5MsZ			e	10 23.10		PZZ	73.30	26 P	10 38.56	1.1	
DOU	67.46	26 P	10 01.50	-0.3	BGF	70.35	28 iPc	10 19.50	-0.1		LJU	73.37	20 e(P)	10 37.50	-0.1
	Z	18s	1.60um	5.3MsZ		0.9s	37.65nm		5.5mb	WHN	73.50	302 Pc	10 38.50	-0.1	
		e	10 05.00		TCF	70.44	29 iPc	10 20.20	0.0		Z	18s	1.80um		5.4MsZ
		S	19 04.00			1.0s	29.00nm		5.4mb	E	14s	2.80um			
TIA	67.49	303 eP	10 02.00	-0.2	BMG	70.49	109 iPc	10 23.50	2.5			eS	20 08.00		
Z	18s	3.40um	5.6MsZ		SMF	70.51	27 iPc	10 20.30	-0.3	PSO	73.51	116 eP	10 40.00	0.7	
N	13s	1.50um				1.0s	22.00nm		5.2mb	TRI	73.55	21 iPc	10 38.00	-0.6	
E	13s	1.90um			LOMF	70.54	25 P	10 20.58	-0.3			eSP	20 44.00		
		S	18 56.00		MAF	70.59	29 iPc	10 21.10	0.0			eSS	25 06.00		
GRR	67.70	30 iPc	10 03.30	0.0		0.9s	16.40nm		5.2mb			eSSS	28 48.00		
	1.1s	24.40nm	5.3mb		CAR	70.69	102 iP	10 22.00	-0.2	TPT	73.56	191 iP	10 39.90	1.0	
LDF	67.70	29 iPc	10 03.00	-0.3	RJF	71.17	30 iPc	10 24.50	-0.1		1.2s	75.00nm		5.6mb	
LPF	67.98	30 iPc	10 05.30	0.3		1.1s	26.85nm		5.3mb	EGRA	73.56	32 eP	10 41.00	2.3	
CLL	68.02	20 iPc	10 04.60	-0.7	Z	19s	5.00um		5.8MsZ	BOB	73.57	24 P	10 39.70	0.8	
TIY	68.26	307 Pc	10 05.00	-2.1	SPC	71.24	16 iP	10 25.20	0.0	PCP	73.59	25 P	10 38.97	0.0	
	Z	16s	3.40um	5.7MsZ	LFF	71.31	30 iPc	10 26.00	0.6	STV	73.60	26 P	10 38.56	-0.5	
	N	16s	4.00um			1.1s	34.20nm		5.4mb	PMO	73.60	191 iP	10 40.30	1.1	
		S	19 08.50		ERUA	71.34	37 eP	10 20.50	-5.2		1.2s	40.00nm		5.3mb	
		sS	19 09.00		KMR	71.35	20 eP	10 26.00	0.3	ENR	73.63	26 P	10 38.77	-0.5	
MOX	68.40	21 iPc	10 07.60	-0.1		i	10 28.20			CEY	73.64	20 eP	10 38.50	-0.8	
	1.3s	62.00nm	5.6mb		WTTA	71.64	22 iPc	10 28.20	0.5	CKI	73.64	25 P	10 39.20	0.0	
Z	16s	1.80um	5.4MsZ			1.5s	109.00nm		5.7mb	ROB	73.67	25 P	10 39.48	0.0	
N	20s	1.70um					i	10 31.90		RUV	73.73	190 iP	10 41.10	1.1	
E	20s	0.80um					i	10 39.80			1.2s	100.00nm		5.7mb	
		eS	19 16.00		LPO	71.66	30 iPc	10 27.90	0.3	CDR	73.77	27 ePc	10 40.80	0.8	
BRG	68.60	19 iP	10 08.60	-0.3		0.9s	22.95nm		5.3mb	EPLA	73.79	37 eP	10 40.00	-0.2	
	1.4s	60.00nm	5.6mb		CAF	71.67	29 iPc	10 27.90	0.2	VAH	73.81	191 iP	10 41.50	1.1	
		i	11 24.30			1.1s	29.30nm		5.3mb		1.2s	100.00nm		5.7mb	
KSP	69.03	18 iPc	10 11.50	0.0	WMQ	71.67	328 Pc	10 27.70	0.0	FIN	73.83	25 P	10 39.89	-0.5	
GW	69.18	24 P	10 11.99	-0.5		1.5s	100.00nm		5.7mb	GUD	73.86	36 eP	10 40.00	-0.7	
MFF	69.53	30 iPc	10 15.10	0.5	Z	18s	2.60um		5.5MsZ	SBF	73.98	26 eP	10 41.90	0.6	
	1.1s	34.20nm	5.4mb		N	15s	2.50um				1.2s	68.45nm		5.6mb	
VITF	69.54	25 P	10 14.45	-0.2			sP	10 38.00		VBY	74.02	20 eP	10 41.50	0.1	
PRU	69.56	19 eP	10 14.50	-0.3			PcP	10 47.00		IMI	74.04	26 P	10 41.53	-0.1	
	2.5s	156.90nm	5.7mb				PP	13 09.00		IAS	74.08	11 ePc	10 42.00	0.3	
		e	10 38.80				S	19 48.00		FRF	74.08	27 iPc	10 42.50	0.7	
		e	11 39.20				sS	19 57.00			1.1s	36.65nm		5.3mb	
CDF	69.64	25 P	10 14.96	-0.5			ScS	20 28.00		LMR	74.27	27 iPc	10 43.60	0.8	
WLS	69.66	24 P	10 15.39	-0.1	ZST	71.73	18 iP	10 27.90	0.0		1.1s	36.65nm		5.3mb	
ECH	69.80	25 P	10 16.12	-0.2	GTA	71.74	317 Pc	10 28.40	0.1	ETER	74.32	30 eP	10 44.00	0.8	
HAU	69.82	25 iPc	10 16.40	0.0		1.6s	150.00nm		5.8mb	ETOR	74.33	34 eP	10 44.50	1.1	
	0.9s	18.00nm	5.2mb		Z	16s	4.60um		5.8MsZ	MME	74.39	24 P	10 44.97	1.1	
	Z	20s	3.25um	5.6MsZ	N	14s	2.30um			BDI	74.49	24 P	10 45.15	0.9	
SSE	69.89	297 Pc	10 17.50	0.5			PP	13 12.00			0.3s	37.90nm		5.9mb	
	1.5s	91.00nm	5.7mb				S	19 50.50		TIM	74.75	16 ePc	10 51.00	5.4	
	Z	20s	1.60um	5.3MsZ			S	10 29.70	0.4	PII	74.80	24 P	10 45.70	-0.2	
	N	16s	0.90um		OGA	71.90	22 eP	10 29.70	0.4	SFI	74.89	23 P	10 47.90	1.5	
	E	15s	2.60um			72.00	38 eP	10 29.70	0.1	PGD	74.91	23 P	10 47.72	0.9	
		eSP	10 28.00			72.07	26 P	10 30.80	0.6	RSM	75.00	22 P	10 48.60	1.5	
		S	19 30.00		BOG	72.10	111 eP	10 32.00	1.0	CRE	75.19	23 P	10 48.80	0.5	
		SKS	20 14.00		LPL	72.26	26 iPc	10 32.40	1.0	VRI	75.31	12 ePc	10 48.50	-0.3	
LOR	69.93	27 iPc	10 17.20	0.1		1.0s	21.00nm		5.2mb	ARV	75.51	22 P	10 50.90	0.8	
	1.1s	34.20nm	5.4mb		LPG	72.28	26 iPc	10 32.70	1.1	PGF	75.59	25 iPc	10 51.20	0.6	
	Z	21s	5.25um	5.8MsZ		1.2s	41.65nm		5.4mb	MLR	75.59	12 ePd	10 52.00	1.3	
LIBD	69.96	24 P	10 17.25	0.0	GRN	72.28	27 P	10 31.37	0.0	CMP	75.71	13 ePc	10 54.00	2.8	
SSF	70.04	28 iPc	10 17.90	0.2	SRO	72.29	17 iP	10 30.70	-0.6	EVAL	75.82	39 eP	10 53.00	1.1	
	1.1s	58.60nm	5.6mb		VAI	72.38	24 P	10 32.50	0.7	ASS	75.87	22 P	10 52.50	0.3	
WET	70.07	21 iPc	10 18.30	0.3	LSO	72.41	26 P	10 33.43	1.1	ISR	76.01	12 ePc	10 53.00	0.1	
	1.4s	72.00nm	5.6mb		FVI	72.51	21 P	10 32.50	0.0	EHOR	76.09	37 eP	10 54.50	1.1	
BSF	70.08	25 iPc	10 18.20	0.1	MDI	72.67	24 P	10 33.40	-0.1	MAO	76.18	24 P	10 54.60	0.7	
	1.3s	43.30nm	5.4mb		BNI	72.68	26 P	10 34.80	1.0	EVIA	76.21	35 eP	10 55.50	1.3	
MOF	70.14	25 P	10 18.28	-0.2	RSP	72.72	26 P	10 34.87	0.8	EBAN	76.25	36 eP	10 55.70	1.4	
SDV	70.16	106 iP	10 19.40	0.3	CTI	72.81	22 P	10 34.00	-0.5	MNS	76.53	23 P	10 55.50	-0.4	
NJ2	70.18	299 Pc	10 18.00	-0.8	RRL	72.83	26								

EHUE	76.94	36	eP	11	03.60	5.4	LPB	93.33	116	P	12	20.00	-0.8	ITB1	8.48	76	iPc	05	49.00	0.0
ECOG	77.13	36	eP	11	01.00	1.6	TSM	94.21	285	eP	12	24.50	0.0	ITB7	8.53	79	Pc	05	49.60	0.0
AFC	77.16	36	eP	11	01.00	1.4	CCH	94.99	115	eP	12	29.00	0.7	ITB	8.59	77	Pc	05	50.20	0.0
EJIF	77.28	38	eP	11	01.20	1.2	SIV	96.27	110	iPd	12	34.00	0.1	PEL	8.75	224	iPc	05	51.50	-0.3
MAL	77.36	37	iPd	11	03.00	2.5	HYB	99.05	326	eP	12	49.00	2.4		0.5s	21.13nm			4.6mb	
SDI	77.41	22	P	11	01.20	0.4	POO	99.29	330	eP	12	51.00	3.3	SAN	8.95	223	eP	05	53.50	-0.2
EGUA	77.54	37	eP	11	03.30	1.8	WRA	106.04	258	PKP	17	36.00	6.2	PCH	8.98	221	eP	05	54.20	0.1
DUI	77.58	22	P	11	02.30	0.6		1.5s	1.80nm					TACH	9.25	223	iPc	05	55.80	-0.9
CD2	77.72	310	P	11	02.80	0.1	KSR	145.63	26	iPKPc	18	42.50	-1.7	LNK	9.75	223	iP	06	00.60	-0.9
Z	18s	2.30um			5.5msz			1.2s	100.00nm				SIV	11.21	12	iP	06	15.70	-0.6	
E	14s	2.90um					BFT	146.13	21	iPKPc	18	47.00	1.9	ZOBO	11.57	337	P	06	20.00	-0.4
		S		20	55.00			1.0s	55.00nm				PPD	12.09	68	ePc	06	24.70	-0.4	
RFI	77.84	22	P	11	04.50	1.5	PRY	146.79	26	iPKPd	18	45.00	-1.0		e		06	28.60		
	1.6s	841.50nm			6.6mb			1.0s	40.00nm					e		08	37.60			
SKO	78.47	16	iP	11	07.20	0.7	KIM	147.85	31	iPKPc	18	51.00	3.3	ARE	12.91	323	eP	06	35.00	1.4
KSH	78.76	335	P	11	09.00	0.7		0.9s	37.82nm						eS		09	00.00		
E	16s	7.40um					SPA	148.14	180	iPKPd	18	48.20	1.3	VAO	15.45	79	iPc	06	59.10	0.9
		PP		14	08.00			1.0s	115.00nm						e		07	00.50		
		S		21	06.00		Z	20s	2.25um		6.0msz		BAO	18.29	55	ePd	07	26.00	0.3	
SGO	78.81	21	P	11	08.70	0.4			i	20	32.50		LIC	65.42	69	Pd	13	32.70	-1.4	
OHR	79.22	17	iP	11	10.80	0.1	SPA	148.14	180	iPKPd	18	50.00	3.1	KIC	65.73	69	Pd	13	34.60	-1.4
	1.2s	91.00nm			5.7mb		SEK	148.16	26	iPKPd	18	52.30	4.1	BUL	82.82	109	iPc	15	12.00	0.5
MGR	79.26	21	P	11	10.90	0.0		1.0s	30.00nm				KRI	85.13	106	iPc	15	23.80	0.9	
VAY	79.27	16	iP	11	11.60	0.7	BLF	148.56	29	iPKPc	18	54.00	5.2	MTD	86.84	107	iPc	15	32.00	1.0
MMN	79.59	21	P	11	10.20	-2.4		1.0s	60.00nm				DUI	99.15	48	P	16	20.10	-6.6X	
CSI	79.75	21	P	11	14.00	0.5	FRS	148.94	31	iPKPc	18	53.20	4.0	GKN	151.70	81	PKP	22	36.54	6.5X
RDO	79.83	13	iPc	11	14.40	0.5		0.7s	61.64nm				DMN	152.07	82	PKP	22	37.92	7.2X	
TDS	79.88	21	P	11	14.60	0.4	CSY	149.14	227	ePKP	18	52.70	4.4	KKN	152.24	81	PKP	22	37.78	6.9X
ROI	80.00	20	P	11	15.60	0.7		0.3s	8.00nm				PKI	152.33	82	PKP	22	38.16	7.0X	
IFR	80.07	39	iP	11	18.00	2.5		411 obs. associated					GUN	152.78	81	PKP	22	39.16	7.3X	
KZN	80.15	16	eP	11	15.50	-0.2								S.D. = 0.8	on 22 of 28 obs.					
CZI	80.26	21	P	11	15.10	-1.1														
GAR	80.39	339	eP	11	17.00	-0.1														
		e		11	40.00															
		ePP		14	22.00															
		ePPP		16	02.00															
		eS		21	20.00															
		eScS		21	37.00															
		ePS		22	08.00															
		ePPS		22	26.00															
		eSS		26	50.00															
		eSSS		30	22.00															
GYA	80.41	305	Pd	11	18.20	0.8														
	1.2s	50.00nm			5.4mb															
Z	20s	1.20um			5.2msz															
		pP		11	21.60	11kmX														
		S		21	24.00															
KEK	80.43	18	eP	11	18.00	0.9														
GRI	80.71	21	P	11	18.71	0.1														
	0.8s	30.40nm			5.4mb															
KGT	80.72	12	eP	11	19.00	0.3														
GMB	81.23	21	P	11	30.54	9.0														
	0.3s	353.10nm			6.9mb X															
VLS	82.05	18	eP	11	26.00	0.3														
LSA	83.55	319	P	11	36.00	1.9														
	N	20s			2.60um															
	E	19s			2.80um															
		PP		14	51.70															
VLI	83.84	16	eP	11	34.50	-0.4														
MAIO	84.73	347	eP	11	40.00	0.5														
		eS		22	14.00															
ARG	85.00	12	eP	11	40.50	-0.2														
NNA	85.32	122	iPd	11	43.00	0.5														
	1.0s	24.00nm			5.4mb															
Z	18s	1.55um			5.4msz															
GUN	86.95	323	P	11	51.82	0.9														
	1.3s	338.00nm			6.4mb															
SHL	87.07	317	eP	11	51.50	0.1														
		eS		22	39.00															
KKN	87.25	323	P	11	53.08	0.8														
GKN	87.25	324	P	11	52.54	0.4														
	1.4s	350.00nm			6.4mb															
DMN	87.47	323	P	11	54.20	0.8														
	1.4s	338.00nm			6.4mb															
HRI	88.56	6	eP	11	59.00	0.7														
NDI	88.73	330	iPd	12	00.00	0.9														
		eS		22	26.00															
MML	89.37	6	eP	12	02.00	-0.1														
QUE	89.58	339	eP	12	04.60	1.3														
		e(S)		22	37.50															
PRNI	91.42	7	eP	12	13.00	1.4														
HLW	91.62	10	eP	12	15.80	3.3														
ARE	91.68	119	eP	12	15.00	1.9														
DZM	92.72	231	iPc	12	25.40	7.9														
ZOBO	93.09	116	Pd	12	19.30	-0.6														
Z	22s	0.79um			5.1msz															
		LR		44	08.00															

24d 06h

BRG	39.52 318 eP	17 40.90	4.7X
WTTA	39.97 312 iP	17 39.20	-1.1
	0.6s 14.20nm		4.9mb
	i	17 44.20	
MME	40.04 307 P	17 46.70	5.7X
CLL	40.22 318 eP	17 43.00	1.0X
	1.6s 29.00nm		4.8mb
MDI	40.98 309 P	17 52.80	4.5X
BOB	41.01 307 P	17 54.40	5.7X
LPG	43.00 308 eP	18 04.80	-0.5
	1.0s 11.00nm		4.5mb
BNI	43.00 307 P	18 09.70	4.6X
LPL	43.02 308 eP	18 05.00	-0.3
	0.9s 13.90nm		4.7mb
BSF	43.30 311 eP	18 06.90	-0.5
	0.8s 8.05nm		4.5mb
SOD	43.60 344 eP	18 11.00	1.5
HAU	43.62 312 eP	18 09.30	-0.6
NAO	45.03 330 P	18 19.30	-1.8
	0.9s 3.80nm		4.3mb
LBF	45.08 310 eP	18 21.70	-0.1
	0.7s 7.70nm		4.7mb
SMF	45.14 309 eP	18 21.90	-0.3
	0.9s 21.30nm		5.0mb
LOR	45.19 310 eP	18 22.10	-0.5
	1.0s 19.00nm		5.0mb
KEV	45.38 346 eP	18 23.00	-0.7
BTO	45.41 59 eP	18 23.40	-1.1
SSF	45.41 310 eP	18 24.10	-0.2
	0.6s 12.15nm		5.0mb
AVF	45.49 309 eP	18 24.60	-0.3
	0.7s 5.50nm		4.6mb
BGF	45.81 309 eP	18 27.40	-0.1
	0.6s 11.25nm		5.0mb
MAF	45.98 309 eP	18 29.10	0.3
	0.9s 8.20nm		4.7mb
TCF	46.23 309 eP	18 30.80	0.0
	0.8s 10.75nm		4.8mb
CAF	46.25 307 eP	18 31.40	0.4
	1.0s 12.00nm		4.8mb
HHC	46.57 59 eP	18 33.00	-0.7
RJF	46.66 307 eP	18 34.70	0.5
	0.9s 16.40nm		5.0mb
LFF	47.19 307 eP	18 38.80	0.4
	0.9s 16.40nm		5.0mb
TIY	47.43 63 eP	18 38.30	-2.2
LDF	47.98 312 eP	18 43.70	-0.8
	0.9s 16.40nm		5.1mb
FLN	48.23 312 eP	18 45.80	-0.7
	1.0s 16.00nm		5.0mb
GRR	48.45 311 eP	18 47.70	-0.5
LPF	48.56 311 eP	18 48.40	-0.6
EKA	50.56 320 Pc	19 10.40	6.2X
	0.7s 2.70nm		4.3mb
MBC	76.23 359 eP	21 52.00	-1.3
	0.8s 5.00nm		4.6mb
WRA	88.87 113 P	23 00.00	0.4
	0.7s 3.90nm		4.8mb
WB2	88.88 113 eP	23 05.30	5.7X
	0.8s 6.20nm		5.0mb
	e	24 21.80	
YKA	89.80 356 eP	23 06.60	3.3X
	0.9s 1.50nm		4.3mb
ASPA	90.38 117 eP	23 12.20	5.6X
	0.8s 4.40nm		4.8mb
	S.D. = 1.1 on 52 of 72 obs.		
	JUN 24, 1991 07h 07m 40.87±0.61s		
	40.646 N ± 5.0km 23.099 E ± 5.5km		
	DEPTH = 10.0km (geophysicist)		
	GREECE (364)		
THE	0.10 262 iPc	07 44.44	0.8
	iS	07 45.72	
SOH	0.26 48 iPc	07 46.90	0.5
	eS	07 50.08	
KNT	0.54 344 iPd	07 51.58	-0.2
	eS	07 57.68	
SRS	0.60 38 ePc	07 52.40	-0.6
	eS	07 59.68	
GRG	0.61 301 ePd	07 53.04	-0.2
	eS	08 01.48	
LIT	0.72 221 ePc	07 54.30	-0.7
VAY	0.78 329 ePn	07 56.30	0.2
PAIG	0.84 148 iPd	07 57.33	0.2
	iS	08 11.36	
	S.D. = 0.6 on 8 of 8 obs.		

	JUN 24, 1991 08h 12m 43.50±1.50s		
	22.944 S ± 9.6km 171.199 E ± 8.3km		
	DEPTH = 62.1 ± 12.6 km		
	5.0mb (14 obs.)		
	LOYALTY ISLANDS REGION (189)		
DZM	4.48 280 iPd	13 47.90	-2.6
	iS	14 40.10	
PVC	5.84 332 iPc	14 10.50	1.0
BKM	5.94 332 iP	14 12.00	1.1
COO	18.83 242 eP	17 02.50	1.4
CAN	22.92 233 iPd	17 44.70	1.7
BWA	22.97 235 iPd	17 42.80	-0.7
CTAO	23.37 272 iPc	17 49.50	2.1
	1.5s 53.76nm		4.8mb
CMS	24.07 244 iPc	17 55.00	0.9
	1.0s 68.00nm		5.1mb
	i	17 59.60	
ASPA	34.20 261 iPd	19 24.20	-1.1
	0.8s 21.20nm		5.1mb
	iS	24 35.60	
WB2	34.37 268 iPc	19 24.90	-1.8
	0.5s 9.40nm		5.0mb
WRA	34.38 268 P	19 24.00	-2.8X
	0.6s 6.80nm		4.8mb
PMO	39.38 86 iP	20 08.60	-0.3
	1.2s 40.00nm		5.2mb
VAH	39.55 86 iP	20 10.00	-0.3
	1.2s 25.00nm		5.0mb
TPT	39.64 86 iP	20 11.10	0.1
	1.2s 35.00nm		5.1mb
RUV	39.79 86 iP	20 12.10	-0.2
	1.2s 50.00nm		5.3mb
SBA	55.01 181 P	22 10.00	-0.3
CGP	55.18 299 eP	22 12.00	-0.3
	1.0s 27.00nm		5.2mb
MAT	66.86 332 (P)	23 28.00	-3.1X
KGM	70.53 281 ePc	23 58.90	-4.7X
MAW	75.70 202 eP	24 23.00	-0.6
DL2	77.06 322 eP	24 30.50	-1.0
	1.0s 30.00nm		5.2mb
TIA	77.91 318 eP	24 34.80	-1.5
CN2	78.56 328 eP	24 38.00	-1.7
BJI	80.95 320 eP	24 52.00	-0.6
TIY	81.78 317 eP	24 54.40	-2.7X
CHTO	81.84 294 eP	25 01.00	3.3X
	1.1s 17.67nm		4.9mb
XAN	81.94 312 P	24 58.00	0.0
HHC	84.21 319 P	25 09.90	0.4
LZH	86.55 312 eP	25 23.50	2.2
	2.0s 25.00nm		5.0mb
FBA	93.09 16 eP	25 51.70	0.6
	0.9s 3.33nm		4.8mb
BMR	144.32 322 ePKPd	32 20.00	6.0X
TNR	144.89 318 ePKPc	32 14.00	-1.1
SPC	145.21 326 ePKP	32 14.50	-1.2
KSP	146.00 331 iPKPd	32 16.50	-0.2
BRG	146.98 333 iPKP	32 17.00	-1.3
	1.1s 25.00nm		
	i	32 23.60	
	i	32 31.50	
CLL	147.03 335 iPKPc	32 19.00	0.6
	1.1s 18.00nm		
	i	32 24.50	
SRO	147.07 326 iPKP	32 19.40	0.9
EKA	147.38 354 PKPd	32 19.00	0.2
	0.7s 1.90nm		
PRU	147.39 332 PKPc	32 20.50	1.5
	0.8s 13.80nm		
	e	32 25.20	
ZST	147.44 327 ePKP	32 20.20	1.1
VAY	147.97 312 ePKP	32 21.40	1.2
MOX	148.09 335 ePKP	32 22.60	2.5X
	e	32 38.00	
SKO	148.44 314 ePKP	32 24.30	3.4X
KHC	148.45 331 iPKPc	32 29.50	8.7X
	1.0s 8.90nm		
	e	32 33.20	
OHR	149.26 313 ePKP	32 25.90	3.6X
PTJ	149.54 325 ePKP	32 26.00	3.4X
MEM	150.06 341 PKPc	32 30.90	7.8X
VBY	150.17 325 ePKP	32 28.00	4.5X
LJU	150.19 326 e(PKP)	32 27.50	4.0X
CEY	150.45 326 ePKP	32 28.00	4.1X
VOY	150.52 327 ePKP	32 28.00	3.9X

FVI	150.67 329 PKP	32 33.00	8.9X
WTTA	150.71 331 iPKPc	32 28.90	4.4X
	1.2s 49.60nm		
	i	32 29.00	
	i	32 33.90	
	i	32 46.70	
TRI	150.81 327 iPKPc	32 28.70	4.3X
DOU	150.93 342 PKP	32 31.80	7.4X
HVAR	150.95 320 iPKPd	32 29.30	4.6X
CTI	151.61 329 PKP	32 31.00	5.2X
ARV	152.74 324 PKP	32 34.30	7.0X
SFI	153.03 326 PKP	32 34.80	7.2X
CRE	153.18 325 PKP	32 47.40	19.3X
	S.D. = 1.2 on 35 of 60 obs.		
	JUN 24, 1991 08h 33m 37.59s		
	60.190 N 152.558 W		
	DEPTH = 89.3km		
	SOUTHERN ALASKA (2)		
	<AEIC>		
RSO	0.29 340 iPd	33 50.66	-0.7
	iS	34 01.08	
RS2	0.29 340 iPd	33 50.68	-0.7
	S	34 00.84	
REF	0.31 347 iPd	33 50.81	-0.6
	iS	34 01.03	
RDW	0.32 337 iPd	33 50.71	-0.8
	S	34 00.71	
RDN	0.34 343 iPd	33 50.88	-0.7
	eS	34 00.87	
RDT	0.39 11 iPd	33 50.97	-0.8
	iS	34 01.40	
DFR	0.41 351 ePd	33 51.21	-0.7
	eS	34 01.65	
NCT	0.42 334 iPd	33 51.13	-0.9
NNL	0.65 103 ePc	33 53.64	-0.1
HOM	0.70 139 iPc	33 53.77	-0.5
	iS	34 06.92	
XLV	0.85 150 iPc	33 54.94	-0.9
	eS	34 08.52	
NKA	0.86 49 iPc	33 56.83	0.9
PDB	0.92 245 eP	33 55.67	-0.9
CNPM	0.94 134 ePc	33 55.73	-1.2
	eS	34 10.19	
CKL	1.02 6 iPd	33 57.26	-0.6
SPU	1.03 14 iPd	33 57.29	-0.6
	eS	34 12.09	
BGL	1.08 4 iPd	33 58.21	-0.4
CRP	1.10 10 iPd	33 58.50	-0.4
	eS	34 14.29	
CGLM	1.15 13 iPd	33 59.04	-0.4
	eS	34 14.29	
SLKM	1.20 74 eP	33 58.92	-1.1
NCG	1.23 9 ePd	33 59.97	-0.5
SUA	1.56 34 ePd	34 04.22	-0.4
SEW	1.56 92 eP	34 03.95	-0.5
SVW	1.77 303 iPd	34 06.30	-1.0
PMS	1.81 53 eP	34 07.05	-0.8
	eS	34 28.62	
SKT	1.86 15 ePd	34 07.71	-0.8
PWA	1.97 41 eP	34 10.40	0.6
PLRM	2.19 48 eP	34 11.30	-1.5
PMR	2.19 48 iPd	34 11.50	-1.3
KNK	2.36 57 eP	34 13.61	-1.5
LTI	2.36 92 ePc	34 12.51	-2.6
GHO	2.38 47 ePc	34 14.02	-1.5
KNIM	2.41 84 iPc	34 12.55	-3.3
CUT	2.48 25 eP	34 17.25	0.5
SML	2.62 50 eP	34 16.83	-2.0
TRF	3.45 17 eP	34 28.60	-1.6
KLU	3.50 65 eP	34 28.03	-2.9
TOA	3.64 55 iPc	34 31.20	-1.7
	38 obs. associated		
	JUN 24, 1991 08h 55m 49.86±1.69s		
	39.222 N ± 14.9km 20.635 E ± 8.6km		
	DEPTH = 10.0km (geophysicist)		
	GREECE-ALBANIA BORDER REGION (392)		
	MD 3.2 (ATH).		
KEK	0.81 307 iPbd	56 05.50	-0.1
VLS	1.04 182 ePb	56 18.50	8

LIT	1.68	58	eS	56 43.50	
			iPc	56 19.61	0.2
			eS	56 46.38	
OHR	1.89	4	ePn	56 22.60	0.1
GRG	2.20	37	iPc	56 27.93	0.9
			eS	56 58.62	
PAIG	2.46	72	ePd	56 29.85	-0.7
VAY	2.57	35	ePn	56 30.40	-1.7
KNT	2.60	41	iPc	56 32.30	-0.4
SOH	2.63	52	ePd	56 32.58	-0.5
SKO	2.81	12	ePn	56 28.50	-7.2X
HVAR	5.06	323	iPn	57 03.30	-4.2X

S.D. = 0.9 on 11 of 14 obs.

? JUN 24, 1991 09h 17m 14.23±1.70s
43.373 N ± 8.6km 12.927 E ± 15.3km
DEPTH = 10.0km (geophysicist)

CENTRAL ITALY (381)

ARV	0.13	5	P	17 17.40	0.1
			eSg	17 21.40	
ASS	0.36	213	P	17 21.60	0.0
			eSg	17 28.10	
CRE	0.75	290	P	17 29.40	0.3
SFI	0.95	305	P	17 32.00	-0.4
			eSg	17 44.40	

S.D. = 0.5 on 4 of 4 obs.

% JUN 24, 1991 09h 42m 15.47±1.24s
40.626 N ± 11.6km 28.478 E ± 12.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

MD	3.1	(ISK)			
BNT	0.50	238	iPn	42 25.60	-0.1
CTT	0.52	356	ePn	42 26.00	0.0
EDC	0.55	239	ePn	42 26.50	0.0
ISK	0.62	45	ePn	42 28.00	0.0
KGT	0.91	259	ePn	42 33.00	0.1

S.D. = 0.1 on 5 of 5 obs.

? JUN 24, 1991 10h 26m 50.32±3.50s
33.404 S ± 15.7km 72.866 W ± 27.6km
DEPTH = 10.0km (geophysicist)

OFF COAST OF CENTRAL CHILE (134)

IHA	1.09	70	iPc	27 09.80	-1.1
			iS	27 19.50	
LNV	1.33	115	iPc	27 15.50	0.6
			iS	27 30.00	
TACH	1.63	99	iPd	27 18.70	-0.5
			iS	27 35.50	
SAN	1.84	92	iPc	27 21.80	-0.5
			iS	27 42.00	
PEL	1.85	83	iPc	27 22.00	-0.3
			i(S)	27 42.00	
PCH	1.98	97	iPc	27 24.20	-0.1
			iS	27 47.00	
RTCB	3.93	62	e(P)	27 53.10	1.0
			(S)	28 43.90	
RTLL	4.26	62	eP	27 58.00	1.3
SIV	20.35	34	P	31 29.10	-0.6

S.D. = 0.9 on 9 of 9 obs.

JUN 24, 1991 10h 33m 28.84±0.54s
44.962 N ± 4.3km 14.761 E ± 4.8km
DEPTH = 5.0km (geophysicist)

ADRIATIC SEA (382)

MD 2.9 (LJU), 2.9 (TRI). Felt at Senj, Yugoslavia.

RIY	0.46	325	iPg	33 37.60	-0.6
			iSg	33 45.10	
VBV	0.65	33	ePg	33 40.20	-1.5
			iSg	33 49.50	
CEY	0.81	343	ePg	33 44.00	-1.1
			iSg	33 55.80	
TRI	1.03	317	iPg	33 49.30	0.6
			iSg	34 03.90	
LJU	1.09	352	ePg	33 49.80	0.0
			eSg	34 06.20	
ZAG	1.21	45	i(Pg)	33 53.30	1.4
			iSg	34 09.00	
VOY	1.23	331	ePnc	33 52.90	0.6
			eSn	34 10.50	
PTJ	1.26	42	iPg	33 52.60	-0.2
			eSg	34 10.00	

VVI	1.94	303	P	34 02.80	0.1
			eSn	34 29.20	
ARV	1.96	222	P	34 03.10	0.0
FVI	2.14	320	P	34 06.90	1.3
			eSn	34 34.50	
HVAR	2.16	145	ePn	34 06.10	0.2
			iSn	34 35.80	
SFI	2.33	244	P	34 08.40	0.0
			eSn	34 36.80	
CRE	2.42	238	P	34 10.00	0.2
PGD	2.43	245	P	34 09.10	-1.0
			eSn	34 41.40	
CTI	2.44	297	P	34 09.20	-0.9
			eSn	34 39.50	
WTTA	3.17	318	iPnc	34 21.30	0.9
			iPg	34 31.40	
			iSg	35 11.40	

S.D. = 0.9 on 17 of 17 obs.

JUN 24, 1991 11h 16m 22.95±0.83s
32.447 S ± 5.1km 71.702 W ± 10.6km
DEPTH = 72.4 ± 7.2 km
4.6mb (2 obs.)

NEAR COAST OF CENTRAL CHILE (135)

Felt (11) in the Santiago area.

PEL	1.10	129	iPd	16 43.10	-0.1
SAN	1.33	139	iPc	16 46.60	0.4
			iS	17 08.20	
			i	17 10.00	
TACH	1.36	152	ePd	16 46.50	-0.1
LNV	1.52	171	iPc	16 48.10	-0.6
			i	16 51.00	
			iS	17 13.50	
PCH	1.54	140	iPc	16 49.50	0.5
MDZ	2.44	101	eP	17 04.40	2.9X
			iS	17 41.90	
RTCB	2.65	70	iPc	17 04.20	-0.1
ZON	2.72	72	eP	17 06.00	0.7
RTLL	2.97	69	ePd	17 07.80	-0.9
CCH	15.82	20	eP	19 59.00	-4.0X
ARE	15.92	1	iPd	20 04.50	0.3
			1.5s	61.11nm	4.5mb
CNCB	15.93	13	P	20 05.00	0.4
LPB	16.18	12	P	20 07.20	-0.4
SIV	19.01	33	P	20 35.60	-6.3X
PPD	20.85	65	eP	20 53.10	-7.9X
BAO	27.27	58	e(P)	21 59.00	-3.6X
LIC	74.02	72	P	27 52.74	-0.1
			0.5s	4.50nm	4.7mb
TIC	74.27	71	P	27 54.04	-0.3
KIC	74.33	72	P	27 54.52	-0.2
KRI	90.30	110	iPd	29 21.10	3.5X
WRA	122.25	209	PKP	35 11.00	-0.5
			1.5s	1.70nm	
GBA	146.15	116	PKPd	35 56.90	1.0
			0.9s	11.80nm	
GAR	148.64	67	ePKP	36 03.50	4.1X
IPM	151.45	165	ePKPd	36 17.90	13.7X

S.D. = 0.6 on 16 of 24 obs.

* JUN 24, 1991 11h 23m 54.67±2.34s
32.352 S ± 11.9km 71.667 W ± 20.2km
DEPTH = 10.0km (geophysicist)

NEAR COAST OF CENTRAL CHILE (135)

IHA	0.67	178	iPc	24 08.50	0.5
			iS	24 21.20	
PEL	1.14	134	iPd	24 16.00	-0.1
			iS	24 34.50	
SAN	1.39	143	iP	24 19.70	-0.4
			iS	24 41.60	
TACH	1.43	155	iPc	24 21.00	0.3
			iS	24 44.00	
PCH	1.59	143	iPd	24 23.40	0.3
			iS	24 48.50	
LNV	1.61	172	iPd	24 22.50	-0.7
			i	24 24.00	
			iS	24 47.50	
MDZ	2.44	103	eP	24 39.80	4.6X
			iS	25 13.10	
RTCB	2.59	71	ePc	24 37.30	-0.1
			(S)	25 15.50	
ZON	2.66	73	eP	24 41.00	2.5X
			eS	25 19.00	
RTLL	2.91	70	eP	24 42.00	0.1
			S	25 24.70	

S.D. = 0.5 on 8 of 10 obs.

* JUN 24, 1991 11h 52m 19.06±1.41s
52.582 N ± 17.2km 173.151 W ± 19.2km
DEPTH = 139.8 ± 9.4 km
4.2mb (7 obs.)

ANDREANOF ISLANDS, ALEUTIAN IS. (7)

ADK	2.28	254	iPc	52 57.20	-0.2
IMA	16.66	28	eP	56 06.20	0.8
INK	24.47	35	eP	57 25.00	-0.8
			pP	57 53.00	136kmX
MBC	31.19	22	ePc	58 26.40	0.2
			0.5s	2.00nm	4.1mb
PNT	33.24	74	eP	59 14.00	29.6X
MAT	37.40	264	eP	59 20.00	0.3
			0.9s	8.40nm	4.5mb
LDF	79.03	5	eP	04 08.00	-0.4
CDP	79.38	360	eP	04 09.70	-0.7
BSF	79.97	0	eP	04 12.80	-0.8
LOR	80.50	2	eP	04 16.40	0.1
SSF	80.69	2	eP	04 17.60	0.3
LBF	80.78	2	eP	04 17.80	0.0
			0.6s	3.15nm	4.2mb
MFF	81.01	5	eP	04 19.20	0.3
SMF	81.12	2	eP	04 19.60	0.1
LSF	81.44	4	eP	04 21.30	0.1
MAF	81.51	3	eP	04 22.00	0.4
W82	85.36	228	eP	04 41.40	0.0
			0.8s	3.10nm	4.2mb
WRA	85.37	228	P	04 41.00	-0.4
			0.8s	1.80nm	4.0mb
WRA	85.37	228	P	04 44.00	2.6X
			0.7s	0.50nm	3.5mb
ASPA	88.80	227	iPd	04 58.60	0.6
			0.9s	10.40nm	4.9mb
S8A	130.76	186	PKP	11 10.70	-2.5X

S.D. = 0.5 on 18 of 21 obs.

% JUN 24, 1991 12h 23m 17.67±0.77s
44.251 N ± 11.3km 4.509 E ± 10.9km
DEPTH = 10.0km (geophysicist)

FRANCE (538)

ML 2.7 (LDG).

LRG	1.56	120	Pg	23 44.80	-0.6
FRF	1.69	113	Pg	23 47.80	0.4
			Sg	24 11.00	
LMR	1.71	122	Pg	23 48.10	0.4
CAF	1.87	292	Pg	23 49.10	-1.0
			Sg	24 14.60	
MAF	2.40	326	Pg	23 58.80	1.2
			Sg	24 25.80	
SMF	2.44	349	Pg	23 57.80	-0.4
			Sg	24 24.60	
BGF	2.59	334	Pg	24 00.70	0.4
			Sg	24 31.00	
TCF	2.60	322	Pg	24 01.40	0.9
			Sg	24 31.80	
AVF	2.67	343	Pg	24 00.90	-0.5
			Sg	24 31.60	
LBF	2.76	352	Pg	24 02.00	-0.8
			Sg	24 35.50	

S.D. = 0.8 on 10 of 10 obs.

JUN 24, 1991 14h 05m 13.04±0.55s
41.804 N ± 6.5km 20.266 E ± 6.1km
DEPTH = 10.0km (geophysicist)

ALBANIA (391)

ML 2.6 (TTG).

ULC	0.78	282	iPg	05 27.63	-0.5
			iSg	05 39.65	
OHR	0.80	150	iPg	05 29.00	0.4
			iSg	05 41.30	
PVY	0.82	345	iPg	05 28.62	-0.4
			iSg	05 41.52	
SKO	0.89	79	ePg	05 34.00	3.8X
			iSg	05 45.00	
YTG	0.97	310	iPg	05 31.10	-0.4
			iSg	05 46.30	
IVA	1.10	346	iPg	05 33.75	0.0
			iSg	05 50.77	
BDV	1.17	295	iPg	05 34.85	-0.1
			iSg	05 52.63	
NKY	1.38	317	iPg	05 38.23	-0.2
			iSg	05 59.50	

24d 14h

HCY 1.46 297 iPg 05 39.75 0.3
 iSg 06 01.58
 PLE 1.66 337 iPg 05 43.17 0.8
 iSn 06 06.37
 BRY 1.68 311 iPd 05 43.38 0.6
 iSn 06 06.88
 VAY 1.80 105 ePn 05 43.70 -0.6
 S.D. = 0.5 on 11 of 12 obs.

JUN 24, 1991 14h 14m 20.99 ± 0.74s
 42.321 N ± 5.3km 18.755 E ± 5.4km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 1.7 (TTG).

BDV 0.07 125 Pg 14 23.20 -0.1
 iSg 14 24.27
 HCY 0.23 304 iPg 14 25.99 0.1
 iSg 14 29.75
 TTG 0.39 74 iPg 14 29.10 0.1
 iSg 14 35.34
 ULC 0.51 134 iPg 14 31.35 -0.1
 iSg 14 39.39
 NKY 0.52 20 iPg 14 31.22 -0.4
 iSg 14 39.87
 BRY 0.60 345 iPg 14 33.12 -0.1
 iSg 14 42.17
 PVY 0.94 73 iPg 14 39.14 0.1
 iSg 14 54.00
 IVA 1.01 57 iPg 14 40.12 0.0
 iSg 14 56.47
 PLE 1.11 25 iPg 14 42.22 0.3
 S.D. = 0.2 on 9 of 9 obs.

JUN 24, 1991 16h 01m 52.55 ± 0.78s
 14.646 N ± 5.5km 120.293 E ± 12.2km
 DEPTH = 53.8 ± 10.3 km
 4.6mb (5 obs.) 3.8Msz (1 obs.)
 LUZON, PHILIPPINE ISLANDS (249)

PGP 1.31 151 iPg 02 15.00 0.3
 iS 02 30.00
 SZP 2.89 3 iPd 02 38.00 0.8
 iS 03 17.00
 CVP 3.38 26 eP 02 43.00 -1.0
 eS 03 00.00
 PIP 3.67 5 iPg 02 48.50 0.3
 iS 03 35.00
 PPR 5.08 198 iPd 03 07.50 -0.5
 iS 04 05.00
 CHTO 20.86 284 eP 06 32.20 -0.2
 1.0s 5.50nm 3.8mb
 LZH 25.94 328 eP 07 22.00 0.2
 2.0s 42.00nm 4.6mb
 Z 18s 0.25um 3.8Msz
 pP 07 28.50 23kmX
 WB2 37.05 158 eP 08 57.90 -1.4
 0.6s 4.80nm 4.6mb
 ASPA 40.34 161 iPg 09 27.70 1.0
 0.9s 6.20nm 4.4mb
 WARB 41.05 171 eP 09 33.50 1.0
 GAR 50.02 309 eP 10 43.50 -0.4
 MAIO 58.02 304 eP 11 43.00 0.4
 NAO 86.50 332 P 14 30.10 -0.6
 0.7s 5.10nm 4.8mb
 S.D. = 0.9 on 13 of 13 obs.

? JUN 24, 1991 16h 29m 35.73 ± 20.81s
 43.693 N ± 176 km 11.118 E ± 29.9km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

MDI 2.31 335 P 30 13.60 -0.8
 eSg 30 28.30
 CTI 2.38 9 P 30 16.30 0.7
 eSg 30 31.60
 VAI 2.74 323 P 30 21.00 0.5
 eSg 30 39.00
 FVI 3.13 22 P 30 25.50 -0.4
 eSg 30 45.50
 S.D. = 1.3 on 4 of 4 obs.

* JUN 24, 1991 17h 13m 01.13s
 57.597 N 142.457 W
 DEPTH = 10.0km (geophysicist)
 GULF OF ALASKA (15)
 <AEIC>. ML 2.5 (AEIC).

PNL 2.62 36 eP 13 38.88 -5.4
 eS 14 09.00
 HON 2.64 44 eP 13 39.17 -5.4
 S 14 09.10
 BCPM 2.78 31 eP 13 39.50 -7.0
 S 14 11.12

3 obs. associated

JUN 24, 1991 17h 46m 22.74 ± 0.92s
 24.308 N ± 5.0km 122.242 E ± 7.3km
 DEPTH = 35.2 ± 8.0 km
 4.4mb (10 obs.)

TAIWAN REGION (243)

TWC 0.47 310 iPd 46 32.20 -0.6
 eS 46 38.00
 TWD 0.63 249 iPg 46 34.60 -0.6
 eS 46 42.40
 TWO 1.28 269 iPg 46 46.30 1.7
 OZH 3.38 282 Pn 47 13.10 -1.3
 Sn 47 51.50
 CVP 6.58 183 eP 48 00.00 0.3
 eS 49 14.00
 SSE 6.83 352 Pd 48 02.20 -0.8
 0.6s 48.00nm 5.5mb X
 Z 20s 1.40um 4.6Msz
 N 11s 1.20um
 eS 49 17.80
 NJ2 8.27 340 Pd 48 22.40 -0.9
 0.7s 70.00nm 5.9mb X
 Z 14s 0.80um 3.8Msz
 pP 48 28.40
 WHN 9.36 313 eP 48 35.60 -2.8X
 Z 12s 1.20um
 pP 48 42.00
 PGP 10.82 187 iPg 48 40.00 -18.3X
 1.0s 97.00nm
 TIA 12.66 341 eP 49 28.50 5.4X
 Z 16s 0.90um
 GYA 14.24 282 P 49 43.00 -1.2
 XAN 15.13 313 eP 49 55.00 -0.7
 S 52 42.00
 TIY 15.77 330 eP 50 04.40 0.5
 Z 14s 0.83um
 E 16s 1.20um
 BJI 16.50 343 eP 50 16.50 3.5X
 1.5s 28.00nm 4.2mb
 Z 12s 0.54um 4.3Msz
 eS 53 20.00
 SNY 17.51 3 Pc 50 29.80 4.1X
 Z 14s 1.10um
 N 13s 0.70um

pP 50 36.20
 eS 53 46.00
 CD2 17.64 296 eP 50 27.10 -0.5
 HHC 18.76 334 Pd 50 43.00 1.7
 Z 16s 0.70um
 BTO 19.21 331 eP 50 47.00 0.4
 N 12s 0.60um
 E 11s 0.30um
 eS 54 25.00
 CN2 19.62 7 eP 50 51.00 -0.2
 Z 15s 1.80um
 N 13s 0.40um
 E 13s 0.20um
 epP 50 59.00 31kmX
 eS 54 30.00
 LZH 19.73 311 eP 50 53.00 0.4
 2.0s 85.00nm 4.7mb
 Z 16s 0.85um 4.6Msz
 sP 51 05.00
 PP 51 12.50
 eS 54 29.00
 MDJ 21.13 15 eP 51 11.00 4.2X
 Z 15s 0.89um 4.3MszX
 CHTO 22.33 260 iPg 51 20.10 1.1
 1.0s 8.75nm 4.2mb
 GTA 24.19 314 P 51 39.00 1.9
 1.0s 10.00nm 4.3mb
 Z 16s 0.60um 4.2MszX
 E 10s 0.30um

SHL 27.53 279 eP 52 07.50 -1.0
 GUN 32.77 284 P 52 55.64 0.4
 PKI 33.20 284 P 52 57.88 -1.1
 KKN 33.31 284 P 52 58.84 -0.9
 DMN 33.47 284 P 53 00.28 -0.9
 GKN 33.87 284 P 53 05.48 1.0

WMO 34.27 313 P 53 08.00 0.3
 1.0s 10.00nm 4.7mb
 Z 11s 0.30um 4.3MszX
 pP 53 18.00 35kmX
 eS 58 31.00
 ScS 03 25.00

WB2 45.54 164 eP 54 40.90 -0.1
 0.7s 6.90nm 4.7mb

ASPA 49.01 166 eP 55 07.60 -0.6
 1.0s 5.10nm 4.5mb
 QUE 49.11 290 eP 55 09.40 0.2
 MAIO 54.64 298 eP 55 51.00 0.5
 STK 58.86 161 eP 56 20.40 0.1
 0.7s 1.00nm 4.0mb
 SOD 69.95 336 eP 57 30.00 -2.1X
 INK 72.75 22 eP 57 48.50 -0.4
 NUR 72.78 329 eP 57 56.00 6.8X
 NAO 78.84 332 P 58 22.30 -1.2
 0.8s 1.60nm 4.1mb
 KSP 80.93 322 eP 58 23.00 -11.9X
 FFC 92.63 24 eP 59 32.00 0.0
 0.9s 10.00nm 5.2mb
 S.D. = 0.9 on 32 of 41 obs.

* JUN 24, 1991 18h 43m 48.76 ± 1.48s
 24.716 N ± 7.4km 121.986 E ± 13.6km
 DEPTH = 20.3 ± 10.6 km
 4.3mb (7 obs.)

TAIWAN (244)

TWC 0.16 230 iPd 43 54.30 0.8
 eS 43 59.20
 TWD 0.73 209 iPg 43 56.90 -5.7X
 eS 44 04.30
 TWO 1.14 247 iPg 44 08.40 -1.1
 eS 44 24.50
 OZH 3.09 275 Pn 44 35.30 -2.1
 Sn 45 12.40
 SSE 6.39 354 Pc 45 24.20 0.0
 1.2s 12.00nm 4.6mb
 Z 20s 0.90um 3.9Msz
 S 46 39.00
 NJ2 7.81 340 Pd 45 43.50 -0.5
 Z 14s 0.60um
 S 47 13.00
 WHN 8.92 312 ePg 46 03.80 4.4X
 pP 46 07.00
 S 47 40.00
 DL2 14.15 359 eP 47 16.00 5.9X
 XAN 14.69 312 eP 47 17.50 0.3
 S 50 04.00
 TIY 15.30 330 eP 47 25.00 -0.3
 Z 16s 0.48um
 E 18s 0.68um
 BJI 16.04 344 eP 47 40.50 5.8X
 Z 14s 0.29um
 SNY 17.12 4 eP 47 47.00 -1.3
 Z 14s 0.60um
 CD2 17.26 295 eP 47 52.00 1.8
 HHC 18.30 334 P 48 05.40 2.3
 BTO 18.74 331 eP 48 09.00 0.4
 N 13s 0.30um
 E 14s 0.60um
 CN2 19.25 8 eP 48 13.80 -0.8
 Z 14s 0.70um
 epP 48 22.50 33kmX
 eS 51 50.00
 LZH 19.29 310 eP 48 18.50 3.1X
 1.5s 34.00nm 4.4mb
 Z 17s 0.49um 4.7Msz
 sP 48 27.00
 PP 48 35.00
 CHTO 22.18 259 eP 48 43.00 -2.3
 1.0s 5.25nm 3.9mb
 GTA 23.74 313 eP 49 01.00 0.4
 1.0s 10.00nm 4.3mb
 pP 49 12.40 44kmX
 WRA 45.99 164 P 52 13.00 0.4
 1.0s 2.80nm 4.2mb
 WB2 45.99 164 eP 52 01.90 -10.7X
 0.6s 1.70nm
 ASPA 49.46 166 eP 52 41.20 1.5
 1.0s 9.80nm 4.8mb
 STK 59.32 161 iPg 53 50.30 -1.3
 0.7s 1.40nm 4.2mb
 S.D. = 1.4 on 17 of 23 obs.

7 JUN 24, 1991 19h 02m 52.46±8.58s
42.979 N ±24.7km 1.765 W ±57.5km
DEPTH = 10.0km (geophysicist)

PYRENEES (378)

BOH	0.57	77	Pg	03 04.03	0.0
			Sg	03 06.86	
ELYF	0.60	71	Pg	03 04.50	-0.1
			Sg	03 07.77	
ISSF	0.71	86	Pg	03 06.58	0.0
			Sg	03 11.70	
MADF	0.71	76	Pg	03 06.50	0.0
			Sg	03 10.76	
ATE	0.79	82	Pg	03 07.49	-0.3
			Sg	03 13.43	
LHE	0.84	94	Pg	03 08.92	0.1
ESCF	0.88	83	Pg	03 09.27	-0.1
			Sg	03 16.00	
OGE	0.97	78	Pg	03 11.33	0.5
JAU	1.03	86	Pg	03 11.83	-0.1
EPF	1.55	87	Pn	03 20.10	0.0
			Pg	03 21.70	
			Sn	03 36.70	
			Sg	03 39.00	

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

* JUN 24, 1991 19h 38m 05.10s
37.528 N 118.975 W

DEPTH = 1.0km

CALIFORNIA-NEVADA BORDER REGION (40)

<BRK>. ML 3.0 (BRK).

BONR	0.68	51	iP	38 17.80	-0.9
FRI	0.79	228	ePd	38 19.78	-1.2
			iS	38 30.30	
CMB	1.23	295	ePc	38 27.44	-1.4
			iS	38 43.80	
TNP	1.50	68	eP	38 32.50	-0.9
KVN	1.67	24	eP	38 36.00	0.2
PKEM	1.72	212	eP	38 36.00	-0.4
LLA	1.82	241	ePc	38 38.00	0.3
			iS	39 02.60	
PRI	1.94	225	ePd	38 40.42	0.8
			iS	39 07.01	
ARN	2.04	266	eP	38 40.90	-0.2
SAO	2.12	250	iP	38 42.59	0.5
			eS	39 09.52	
MHC	2.13	266	ePd	38 42.80	0.4
PRS	2.26	239	iPc	38 44.66	0.5
			eS	39 12.06	
BCH	2.50	201	eP	38 47.20	-0.6
BKS	2.61	279	ePc	38 49.20	0.1
ABL	2.68	184	eP	38 50.00	-0.4
PCC	2.71	270	ePc	38 50.72	0.2
ORV	2.83	316	eP	38 53.64	1.3
			eS	39 33.25	
MIN	3.48	325	ePd	39 13.23	11.6

18 obs. associated

JUN 24, 1991 19h 48m 08.02±0.34s
14.961 N ±4.7km 120.443 E ±7.1km

DEPTH = 10.0km (geophysicist)

4.9mb (15 obs.) 4.0Msz (3 obs.)

LUZON, PHILIPPINE ISLANDS (249)

Felt in Zamboles Province and at

Manila.

QCP	0.69	118	eP	48 47.50	25.8X
BAG	1.45	5	iPc	48 30.00	-4.4X
PGP	1.53	161	iPd	48 35.80	0.4
			iS	49 03.00	
SZP	2.58	0	iPd	48 51.00	0.5
			iS	49 32.00	
CVP	3.03	26	eP	48 57.00	0.1
			eS	49 24.00	
PIP	3.35	3	iPc	49 01.80	0.3
			iS	49 57.00	
PPR	5.42	198	iPd	49 32.00	1.2
			iS	50 36.50	
MAP	5.76	143	eP	49 41.00	5.4X
QZH	10.08	350	eP	50 35.50	-0.4
			Z 16s	1.70um	
QIZ	10.92	293	eP	50 40.40	-7.0X
			eS	52 43.00	
WHN	16.49	341	eP	52 05.00	4.0X
			E 15s	1.10um	

NJ2	17.08	355	eP	52 07.00	-1.4
			Z 20s	0.70um	
CHTO	20.92	284	eP	52 52.80	-0.6
			1.0s	10.50nm	4.2mb
TIA	21.37	353	eP	52 57.70	-0.1
			Z 18s	0.60um	4.0Msz
XAN	21.66	333	P	53 00.50	-0.3
IPM	21.72	244	ePd	53 12.90	11.4X
CD2	22.05	319	eP	53 04.30	-0.4
			1.1s	100.00nm	5.2mb
			E 11s	1.20um	
TIY	23.75	344	eP	53 21.70	0.3
			N 20s	1.30um	
			SS	58 26.00	
DL2	23.88	2	eP	53 24.50	2.0
BJI	25.26	352	eP	53 36.50	0.7
			1.5s	35.00nm	4.8mb
			Z 20s	0.36um	3.9Msz
LZH	25.75	328	P	53 41.00	0.3
			2.0s	120.00nm	5.2mb
			Z 14s	0.65um	4.3Msz
			N 13s	0.77um	
			E 13s	0.70um	
			sP	53 54.00	
SNY	26.91	5	eP	53 51.60	0.5
			Z 20s	0.60um	4.2Msz
HHC	26.93	345	eP	53 50.00	-1.4
			Z 12s	0.60um	4.4Msz
			E 12s	0.20um	
BTO	27.11	342	eP	53 53.50	0.4
			N 13s	0.20um	
			E 13s	0.30um	
			esP	54 05.00	
SHL	28.73	296	eP	54 09.50	1.4
CN2	29.06	7	eP	54 15.00	4.4X
GTA	30.35	327	eP	54 21.00	-1.3
			1.2s	10.00nm	4.5mb
			Z 17s	0.70um	4.4Msz
			E 13s	0.40um	
LSA	30.70	304	P	54 26.10	0.2
GUN	34.53	298	P	54 59.20	0.0
			0.9s	75.00nm	5.6mb
PKI	34.85	297	P	55 01.18	-0.8
KKN	35.01	297	P	55 02.28	-0.9
			0.9s	41.00nm	5.3mb
DMN	35.12	297	P	55 03.54	-0.6
GKN	35.62	297	P	55 07.34	-0.9
WB2	37.29	158	eP	55 20.30	-1.8
			0.6s	17.40nm	5.0mb
WMO	40.06	323	P	55 46.50	1.3
			2.0s	10.00nm	4.1mb
			Z 16s	0.60um	4.5Msz
			N 15s	1.00um	
HYB	40.25	279	eP	55 48.00	1.0
ASPA	40.58	161	iPc	55 49.20	-0.4
			0.7s	8.00nm	4.5mb
WARB	41.34	172	eP	55 54.50	-1.3
GBA	41.65	274	Pc	56 00.50	2.0
			1.1s	18.70nm	4.7mb
CTA	43.09	143	iP	56 11.00	0.8
CTAO	43.09	143	iP	56 11.00	0.8
			1.3s	39.43nm	5.0mb
QUE	51.23	297	eP	57 13.70	-0.6
MAIO	57.97	304	iPd	58 03.50	0.1
			0.8s	7.32nm	4.8mb
SOD	77.78	337	eP	00 07.00	0.3
NUR	79.94	330	eP	00 19.00	0.5
VRI	81.97	315	iPc	00 29.50	0.0
CVO	82.35	315	ePc	00 33.50	1.9
MBC	82.37	12	eP	00 32.00	0.9
KRA	85.26	321	eP	00 47.40	1.2
VAY	86.04	312	eP	00 48.70	-1.6
NAO	86.29	332	P	00 48.30	-2.9X
			0.7s	5.00nm	4.8mb
SKO	86.67	312	eP	00 51.00	-2.4
KSP	87.21	322	eP	00 55.50	-0.4
LBFM	99.73	43	eP	01 34.00	-20.1X
ORV	100.88	44	ePdiff01	43.80	-15.2X
FFC	101.83	24	ePdiff02	09.00	6.2X
			0.8s	8.00nm	5.4mb
ARN	101.94	46	ePdiff01	55.00	-8.8X
CMB	102.39	45	ePdiff01	57.20	-8.6X
LRM	102.97	35	ePdiff02	00.20	-8.2X
BONR	103.85	44	ePdiff02	08.50	-4.1X
TNP	104.50	44	ePdiff02	13.00	-2.4
PTI	104.81	37	Pdiff02	15.00	-1.6
ISA	104.92	46	ePdiff02	18.00	0.9

CLC	105.45	46	ePdiff02	22.00	2.6X
SBB	105.88	47	iPdiff02	27.00	5.6X
MWC	105.95	47	ePdiff02	28.00	6.1X
DUG	106.14	40	Pdiff02	24.20	1.7
GSC	106.27	46	iPdiff02	28.00	4.9X
BW06	106.49	36	ePdiff02	27.00	3.6X
DAU	106.96	39	Pdiff02	31.60	5.2X
PLM	107.25	48	ePdiff02	38.00	10.3X
TPC	107.43	46	ePdiff02	38.00	9.7X
MSU	107.53	41	ePdiff02	35.50	6.6X
BAR	107.74	48	ePdiff02	42.00	12.3X
RSSD	108.59	32	Pdiff02	46.20	12.8X
GLA	108.86	47	ePdiff02	49.00	14.3X

S.D. = 1.1 on 49 of 76 obs.

JUN 24, 1991 19h 54m 04.10±0.20s
51.219 N ±4.9km 178.620 W ±3.2km
DEPTH = 33.0km (normal)
5.3mb (69 obs.) 4.7Msz (18 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS. (7)
ML 5.3 (PMR). Felt (IV) on Adak.

ADK	1.38	60	iPd	54 29.00	1.8
SMY	4.75	291	eP	55 19.30	4.2X
SDN	11.60	62	eP	56 50.60	0.4
ANM	15.07	22	eP	57 40.50	4.5X
SVW	16.10	43	eP	57 52.00	2.7
			0.9s	72.70nm	4.8mb
KDC	16.46	56	eP	57 53.70	-0.1
TTA	16.87	37	eP	58 01.30	2.2
PWA	18.84	45	eP	58 24.40	1.1
PMR	19.16	46	eP	58 27.90	0.8
IMA	19.53	31	iPd	58 31.10	-0.4
			0.8s	5.70nm	3.9mb
KLU	20.00	47	P	58 42.00	-0.7
TOA	20.65	46	P	58 45.30	2.1
INK	27.53	35	eP	59 48.00	-1.1
KAKJ	32.87	259	eP	00 36.40	-0.4
NIJ	32.94	262	P	00 37.80	0.4
CHJJ	33.70	260	eP	00 44.00	0.0
MAT	33.87	261	iPd	00 45.70	0.1
			0.9s	32.77nm	5.3mb
MTMJ	34.10	262	eP	00 48.00	0.4
MDJ	34.71	280	eP	00 53.60	0.9
			0.9s	100.00nm	

		pP	02	51.70	27kmX	KRA	77.87	348 eP	06	01.60	2.1	0.8s	12.10nm	5.0r			
BTO	48.93	287 eP	09	44.00		Z	20s	0.90um			5.1msz	AVF	82.36	359 eP	06	23.00	-0
TIY	49.25	282 eP	02	49.00	0.2	E	20s	1.00um					1.0s	26.00nm			5.2mb
	Z	28s		0.60um	4.4MsZ X	MOX	78.14	353 eP	06	01.00	0.0	PTJ	82.45	350 iPc	06	24.00	-0.2
GOL	50.62	73 P	03	05.00	3.0X	i			06	03.50		SMF	82.49	358 eP	06	23.60	-0.7
WHN	52.78	274 eP	03	17.50	-0.6	ENN	78.32	357 eP	06	02.00	0.1		0.8s	32.90nm			5.4mb
ANMO	53.02	78 eP	03	19.20	-0.8	UCC	78.33	358 Pd	06	05.10	3.1X	VOY	82.53	351 eP	06	24.00	-0.6
	1.2s	23.44nm		5.0mb		MEM	78.47	357 iPd	06	05.56	2.8	RMO	82.54	209 iPd	06	25.70	1.1
ALQ	53.02	78 eP	03	19.00	-1.1	PRU	78.55	351 eP	06	03.00	-0.3	MFF	82.55	1 eP	06	24.20	-0.3
	1.0s	12.50nm		4.8mb		Z	18s	0.50um			4.9Msz		0.8s	29.55nm			5.4mb
XAN	53.80	281 P	03	24.70	-0.9	N	18s	0.30um				BGF	82.60	359 eP	06	24.20	-0.6
LZH	55.54	286 Pd	03	38.00	-0.4	E	18s	0.30um					1.0s	23.00nm			5.2mb
	1.8s	140.00nm		5.7mb		PRU	78.55	351 eP	06	05.50		CTI	82.71	353 P	06	24.30	-1.2
	Z	25s		0.85um	4.7MsZ X	Z	18s	0.50um			4.9Msz	CEY	82.77	351 eP	06	24.80	-1.0
	N	15s		0.71um		N	18s	0.30um				TRI	82.86	351 eP	06	25.70	-0.1
		pP	03	45.00	23kmX	E	18s	0.30um				TCF	82.87	359 eP	06	25.60	-0.7
		sP	03	51.00				e	06	05.50			0.8s	12.75nm			5.1mb
		PP	05	39.00		SNF	78.62	358 P	06	06.49	2.9X	VBY	82.91	360 eP	06	26.00	-0.4
GTA	55.73	292 iPd	03	39.50	-0.2	SPC	78.68	348 eP	06	07.00	2.7		0.6s	25.70nm			5.5mb
	1.2s	50.00nm		5.4mb		DOU	79.03	358 P	06	06.10	0.2	MAF	82.94	359 eP	06	26.30	-0.3
	Z	20s		1.20um	5.0MsZ			i	06	09.00			0.8s	24.85nm			5.4mb
	N	16s		0.90um		MAIO	79.05	316 eP	06	09.00	2.6	VAI	83.09	355 P	06	26.80	-0.5
		S	11	23.20		KHC	79.49	352 iPc	06	08.50	0.0	AGO	83.10	359 P	06	27.96	0.5
KEV	57.90	350 eP	03	55.00	0.5		1.0s	10.70nm			4.8mb	PLDF	83.17	358 P	06	28.48	0.6
MEO	57.92	73 iPd	03	54.50	-0.7	Z	20s	0.50um			4.9Msz	PYM	83.40	359 P	06	29.38	0.3
TUL	58.82	70 eP	03	59.90	-1.5	N	20s	0.20um				LPL	83.54	356 eP	06	30.20	0.3
	0.8s	39.20nm		5.6mb		E	20s	0.50um					0.5s	2.55nm			4.6mb
	Z	20s		0.16um	4.1MsZ			e	06	11.00		LPG	83.55	356 eP	06	30.40	0.3
		LR	25	16.00		GWF	80.04	356 P	06	11.31	-0.1		0.9s	13.90nm			5.1mb
CD2	59.12	282 eP	04	02.10	-1.5	ZST	80.05	349 eP	06	12							

LMR 85.72 356 eP 06 40.30 -0.3
0.7s 23.15nm 5.5mb
EPF 86.13 1 eP 06 41.90 -0.8
0.8s 15.45nm 5.3mb
AQU 86.22 351 P 06 43.70 0.5
POO 86.22 295 eP 06 47.60 4.0X
MNS 86.26 352 P 06 42.80 -0.6
PGF 86.38 354 eP 06 43.40 -0.7
0.7s 63.95nm 6.0mb
DUI 86.80 350 P 06 48.50 2.4
SDI 86.82 351 P 06 45.40 -0.8
RFI 87.21 351 P 06 49.63 1.7
1.4s 332.70nm 6.4mb X
GBA 88.03 289 Pc 06 51.50 -0.7
0.8s 11.30nm 5.2mb
ORI 88.15 348 P 06 53.00 0.5
MGR 88.18 349 P 06 51.60 -1.1
TDS 88.56 349 P 06 54.10 -0.4
GRI 89.38 348 P 06 57.77 -0.7
0.6s 37.70nm 5.9mb
STK 89.86 213 iPd 07 01.40 1.0
0.6s 15.90nm 5.5mb
e 07 20.80
BWA 90.07 207 eP 07 02.10 0.7
HRI 90.60 332 eP 07 07.00 2.7
CAN 90.75 206 eP 07 05.30 0.8
GLH 91.15 332 eP 07 09.00 2.3
DSI 92.29 331 eP 07 14.00 2.0
TIC 122.11 8 PKP 12 56.14 -0.8
KIC 122.41 7 PKP 12 56.70 -0.8
0.6s 6.50nm
LIC 122.52 8 PKP 12 56.90 -0.8
KRI 138.97 316 iPKPc 13 30.50 1.4
SPA 141.03 180 ePKP 13 25.00 -6.3X
0.8s 8.33nm
BFT 146.42 309 iPKPd 13 44.00 2.1
1.0s 75.00nm
MAW 146.42 218 ePKP 13 42.00 1.7
1.0s 35.00nm
KSR 148.07 313 iPKPd 13 42.50 -2.0
1.0s 25.00nm
PRY 148.70 311 iPKPc 13 47.00 1.5
0.7s 15.00nm
SEK 149.80 309 iPKPd 13 54.00 6.9X
0.8s 14.93nm
BLF 151.14 310 iPKPc 13 54.00 4.9X
FRS 152.09 311 iPKPc 14 00.30 10.1X
0.8s 14.93nm
S.D. = 1.0 on 211 of 231 obs.
? JUN 24, 1991 20h 44m 01.17 ± 2.63s
4.978 S ± 27.1km 134.744 E ± 21.2km
DEPTH = 33.0km (normol)
4.1mb (3 obs.)
WEST IRIAN REGION (196)
AAI 6.66 281 eP 45 39.00 -0.2
MTN 8.59 204 iPd 46 10.50 4.2X
eS 47 50.00
KNA 12.21 208 eP 46 56.60 0.9
eS 49 14.20
WB2 14.88 181 eP 47 31.00 0.0
0.6s 2.70nm 3.8mb
eS 50 10.20
OIS 16.19 163 e(P) 47 46.00 -1.9
eS 50 46.00
ASPA 18.60 182 eP 48 22.70 4.7X
0.7s 10.10nm 4.1mb
i 48 46.60
eS 51 42.20
CTAO 18.74 144 iPc 48 21.00 1.3
1.0s 20.00nm 4.3mb
S.D. = 1.8 on 5 of 7 obs.
JUN 24, 1991 20h 47m 10.82 ± 0.70s
31.547 N ± 3.7km 35.557 E ± 8.2km
DEPTH = 10.0km (geophysicist)
DEAD SEA REGION (373)
MASJ 0.23 37 Pd 47 16.63 0.9
LISJ 0.31 192 Pd 47 18.30 1.0
KFNJ 0.33 18 Pc 47 17.96 0.3
QTRJ 0.46 122 Pd 47 20.26 0.1
SALJ 0.47 13 Pd 47 20.39 -0.1
MDSJ 0.60 82 Pd 47 22.79 -0.2
BURJ 0.72 17 Pd 47 24.69 -0.4
JARJ 0.76 26 Pd 47 25.40 -0.4

GHZJ 1.17 145 Pc 47 32.46 -0.2
HQL 2.31 191 eP 47 48.60 -0.9
iS 48 23.00
S.D. = 0.7 on 10 of 10 obs.
* JUN 24, 1991 21h 39m 46.61 ± 1.13s
26.303 S ± 9.8km 28.433 E ± 17.6km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
mbLg 3.7 (BUL).
PRY 1.06 234 eP 40 07.50 0.3
1.0s 580.00nm
S 40 20.00
KSR 1.45 287 eP 40 13.00 -0.7
0.6s 164.29nm
S 40 28.50
BFT 1.57 67 iPd 40 22.50 7.0X
S 40 44.50
SEK 2.14 199 iPc 40 30.30 6.7X
0.6s 216.67nm
S 40 57.30
BLF 3.43 215 iPd 40 43.00 1.0
S 41 33.00
FRS 4.40 218 iPd 40 56.60 1.0
0.7s 126.71nm
HVD 5.00 210 e(P) 41 02.30 -2.0
(S) 42 05.00
BUL 6.13 2 iPn 41 21.20 1.0
iSn 42 29.00
iSg 42 55.00
KRI 9.49 7 iPn 42 07.00 -0.1
eSn 43 49.00
iSg 44 42.50
MTD 9.92 18 iPn 42 12.50 -0.5
eSn 43 53.80
iSg 44 57.40
S.D. = 1.3 on 8 of 10 obs.
* JUN 24, 1991 21h 58m 46.34 ± 1.53s
31.828 S ± 6.6km 68.456 W ± 15.0km
DEPTH = 10.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)
ZON 0.34 326 iPd 58 54.00 0.6
RTCB 0.45 319 iPd 58 55.80 0.3
RTLL 0.50 359 iPc 58 56.00 -0.4
RTBS 0.87 281 eP 59 02.30 -0.7
MDZ 1.10 197 eP 59 07.30 0.2
iS 59 20.10
S.D. = 0.8 on 5 of 5 obs.
JUN 24, 1991 22h 04m 09.74 ± 0.35s
10.297 N ± 4.7km 125.210 E ± 7.9km
DEPTH = 21.6km (5 depth phases)
4.7mb (10 obs.) 4.1MsZ (6 obs.)
LEYTE, PHILIPPINE ISLANDS (256)
PLP 0.89 345 iPd 04 26.00 -0.4
eS 04 33.00
MAP 1.21 271 iPc 04 30.00 -1.4
iS 04 46.00
CGP 1.90 196 iPd 04 41.00 -0.3
iS 05 04.00
DAV 3.21 174 eP 05 04.50 4.5X
QCP 5.91 317 eP 06 22.00 43.8X
BAG 7.56 324 eP 06 01.60 -0.1
CVP 8.06 336 eP 06 12.00 3.5X
GUMO 19.51 78 eP 08 45.00 6.3X
SSE 21.03 350 P 08 54.30 -0.2
1.0s 12.00nm 4.3mb
Z 20s 0.60um 4.0MsZ
E 12s 0.60um
pP 09 01.00 25km
NJ2 22.43 346 eP 09 10.00 1.4
Z 18s 0.50um 4.0MsZ
WHN 22.54 335 eP 09 08.50 -1.1
Z 16s 0.60um 4.1MsZ
E 13s 0.60um
pP 09 16.00 27km
eS 13 14.00
IPM 24.63 258 ePc 09 37.40 7.2X
0.6s 15.10nm 4.8mb
XAN 27.95 330 P 09 59.80 -1.0
CD2 28.60 319 eP 10 09.40 2.7X
0.9s 20.00nm 4.9mb
DL2 28.67 354 eP 10 08.00 0.9

Z 18s 0.50um 4.2MsZ
TIY 29.62 339 eP 10 15.00 -0.8
Z 30s 0.78um 4.2MsZ
N 20s 1.10um
BJI 30.69 346 eP 10 24.50 -0.7
Z 20s 0.30um 3.9MsZ
WB2 31.37 163 iPc 10 30.30 -1.1
0.5s 10.10nm 5.0mb
SNY 31.44 358 Pc 10 31.80 0.1
Z 20s 0.50um 4.2MsZ
eS 15 32.00
LZH 32.17 326 eP 10 40.00 1.6
2.0s 50.00nm 5.1mb
Z 25s 0.64um 4.2MsZ
N 15s 0.90um
E 16s 0.90um
pP 10 47.50 26km
HHC 32.74 341 P 10 47.20 4.0X
Z 14s 0.60um 4.4MsZ
N 10s 0.20um
BTO 33.04 339 eP 10 44.50 -1.4
N 12s 0.30um
E 12s 0.30um
CN2 33.38 0 eP 10 48.00 -0.6
OIS 33.77 155 iPc 10 51.70 -0.6
MDJ 34.40 6 eP 10 57.00 -0.5
ASPA 34.81 166 iPc 11 00.90 -0.3
0.6s 18.20nm 5.2mb
WARB 36.29 178 iPd 11 14.30 0.6
GTA 36.77 326 eP 11 17.80 -0.1
1.4s 10.00nm 4.5mb
Z 24s 0.90um 4.5MsZ
N 20s 1.10um
pP 11 23.00 17km
LSA 37.17 306 P 11 23.00 1.3
GUN 40.86 301 P 11 53.72 1.4
PKI 41.16 300 P 11 55.84 1.1
KKN 41.33 301 P 11 57.48 1.4
DMN 41.42 300 P 11 59.70 2.8X
GKN 41.93 301 P 12 00.82 -0.1
STK 44.77 160 eP 12 23.90 0.2
0.8s 3.80nm 4.4mb
WMO 46.56 323 P 12 42.00 4.1X
1.3s 10.00nm 4.7mb
Z 19s 0.60um 4.6MsZ
N 22s 1.70um
pP 12 46.00 13km
PP 14 28.00
GBA 46.80 279 Pd 12 39.70 -0.3
0.9s 6.30nm 4.6mb
BWA 49.63 155 eP 13 04.20 2.4X
CAN 50.64 155 eP 13 13.90 4.4X
DZM 51.67 129 iPd 13 19.00 1.4
QUE 57.51 299 eP 14 03.70 3.3X
MAIO 64.43 305 eP 14 47.00 0.0
INK 84.64 21 eP 16 43.00 0.3
MBC 85.91 13 eP 16 48.50 -0.4
S.D. = 0.9 on 32 of 44 obs.
JUN 24, 1991 23h 56m 21.65 ± 0.30s
44.084 N ± 2.0km 7.205 E ± 2.7km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.1 (LDG), 2.0 (GEN).
TOUF 0.08 156 Pg 56 23.30 -0.3
STV 0.18 28 P 56 25.79 0.4
S 56 27.43
AUTN 0.18 119 Pg 56 26.08 0.6
ENR 0.21 47 P 56 26.20 0.2
S 56 28.05
AURF 0.22 156 Pg 56 25.86 -0.2
Sg 56 29.33
SAOF 0.27 111 Pg 56 27.31 0.2
Sg 56 30.80
SBF 0.28 143 Pg 56 27.40 0.1
Sg 56 31.10
REVF 0.36 161 Pg 56 28.79 -0.2
PZZ 0.43 350 P 56 30.61 0.4
S 56 35.33
IMI 0.52 109 P 56 32.25 0.1
S 56 38.47
ROB 0.52 66 P 56 31.95 -0.2
S 56 37.79
FRF 0.66 218 Pg 56 34.50 -0.4
Sg 56 45.10
FIN 0.73 80 P 56 35.95 -0.3

24d 23h

BHB	0.76	3	P	56 43.94	-0.9
			S	56 35.99	
			S	56 46.14	
LRG	0.88	224	Pg	56 39.30	0.3
			Sg	56 51.30	
RRL	0.89	340	P	56 39.15	-0.2
			S	56 50.09	
LMR	0.90	214	Pg	56 39.80	0.4
			Sg	56 52.50	
PCP	1.06	64	P	56 41.99	-0.2
			S	56 54.27	
RSP	1.07	2	P	56 42.61	0.3
S.D. = 0.4 on 19 of 19 obs.					

JUN 25, 1991 00h 24m 28.58±0.35s
 12.086 N ± 7.3km 141.191 E ± 5.5km
 DEPTH = 33.0km (normal)
 4.6mb (9 obs.) 4.2Msz (1 obs.)

SOUTH OF MARIANA ISLANDS (210)

GUMO	3.88	67	eP	25 27.30	-0.1
			eS	26 33.60	
PJG	3.88	67	eP	25 28.00	0.6
GUA	3.91	68	eP	25 28.10	0.3
SSE	26.45	319	eP	30 11.00	6.6X
	1.0s		12.00nm		4.5mb
WB2	32.53	192	iPc	30 59.20	0.3
BJI	35.53	326	eP	31 25.00	0.5
TIY	36.22	320	eP	31 29.00	-1.5
	Z 20s		0.38um		4.2Msz
	N 14s		0.35um		
ASPA	36.24	191	eP	31 30.70	0.0
	1.1s		6.30nm		4.4mb
XAN	36.61	312	eP	31 34.00	0.2
CD2	39.30	304	eP	31 57.00	0.6
BTO	39.46	322	eP	31 58.00	0.4
CHG	41.19	285	eP	32 13.70	1.7
LZH	41.25	312	eP	32 18.50	6.0X
	1.5s		22.00nm		4.7mb
			pP	32 27.00	29kmX
DZM	42.02	144	iPc	32 19.90	1.0
STK	43.72	180	iPc	32 32.90	0.5
	0.8s		2.70nm		4.1mb
GTA	45.56	314	eP	32 48.00	0.6
	1.0s		10.00nm		4.7mb
			pP	32 56.40	28kmX
GUN	53.88	296	P	33 51.62	0.1
	0.8s		69.00nm		5.7mb X
PKI	54.26	295	P	33 53.86	-0.5
KKN	54.40	296	P	33 54.86	-0.4
	0.9s		42.00nm		5.5mb
DMN	54.54	295	P	33 55.88	-0.4
GKN	54.98	296	P	33 58.94	-0.5
WMO	55.62	315	Pc	34 04.00	0.3
	1.3s		10.00nm		4.7mb
			PP	34 13.50	
			SP	34 20.00	
HYB	60.59	283	eP	34 49.00	10.2X
QUE	70.48	298	eP	35 42.40	-0.1
MAIO	76.31	305	eP	36 17.00	0.6
INK	77.12	22	eP	36 21.00	0.9
MBC	80.59	14	eP	36 38.00	-0.8
	1.0s		7.00nm		4.6mb
NAO	97.41	338	P	37 59.90	-0.1
	0.7s		0.60nm		4.2mb
PCH	144.00	132	ePKP	44 01.00	-2.0
PEL	144.10	131	ePKP	44 01.00	-2.2
LPB	151.29	102	ePKP	44 31.00	15.5X
S.D. = 0.9 on 27 of 31 obs.					

% JUN 25, 1991 00h 35m 31.67±1.25s
 43.071 N ± 6.6km 12.882 E ± 11.7km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

ASS	0.16	270	P	35 35.60	0.2
			eSg	35 37.40	
ARV	0.43	6	P	35 40.60	0.2
			eSg	35 46.80	
MNS	0.70	192	P	35 45.50	-0.1
			eSg	35 59.00	
CRE	0.88	310	P	35 48.90	0.3
			eSg	35 58.40	
SFI	1.13	319	P	35 52.30	-0.6
			eSg	36 06.50	
S.D. = 0.5 on 5 of 5 obs.					

% JUN 25, 1991 00h 54m 26.99±0.66s
 43.856 N ± 7.5km 12.095 E ± 4.8km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

SFI	0.19	290	P	54 31.50	0.4
			eSg	54 34.50	
CRE	0.25	205	P	54 31.20	-1.2
			eSg	54 35.90	
RSM	0.27	74	P	54 31.30	-1.3
			eSg	54 36.40	
PGD	0.27	274	P	54 32.50	-0.3
			eSg	54 36.40	
ARV	0.71	120	P	54 42.20	1.2
			eSg	54 52.50	
ASS	0.89	152	P	54 45.00	1.0
			eSg	54 57.80	
MME	1.06	289	P	54 47.80	0.6
			eSg	55 01.90	
BDI	1.10	281	P	54 48.20	0.5
			eSg	55 03.80	
PII	1.15	264	P	54 47.80	-0.6
MNS	1.53	164	P	54 54.20	-0.2
			eSn	55 16.00	
S.D. = 1.0 on 10 of 10 obs.					

? JUN 25, 1991 00h 56m 28.79±0.90s
 43.776 N ± 10.3km 11.983 E ± 10.1km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

CRE	0.15	189	P	56 32.30	0.0
			eSg	56 35.20	
SFI	0.17	327	P	56 32.60	-0.1
			eSg	56 35.60	
PGD	0.21	298	P	56 33.60	0.1
			eSg	56 37.40	
ARV	0.75	111	P	56 43.50	0.0
S.D. = 0.1 on 4 of 4 obs.					

? JUN 25, 1991 01h 12m 13.68±5.94s
 38.922 N ± 37.8km 23.922 E ± 38.9km
 DEPTH = 33.0km (normal)
 GREECE (364)

PAIG	1.02	349	ePc	12 31.64	0.0
			eS	12 42.36	
AGG	1.24	275	iPd	12 34.88	0.0
			iS	12 50.16	
LIT	1.62	317	ePd	12 39.96	-0.3
			iS	12 55.52	
SOH	1.95	347	ePc	12 44.80	-0.3
			eS	13 07.40	
SRS	2.21	354	iPc	12 48.62	-0.1
			eS	13 12.22	
GRG	2.34	331	iPc	12 50.85	0.1
KNT	2.37	341	iPd	12 51.33	0.2
			iS	13 15.89	
OHR	3.25	313	eP	13 56.10	52.6X
S.D. = 0.2 on 7 of 8 obs.					

JUN 25, 1991 01h 25m 21.86±0.74s
 40.266 N ± 5.7km 21.089 E ± 7.5km
 DEPTH = 5.0km (geophysicist)
 GREECE (364)

FNA	0.56	23	ePc	25 32.58	-0.5
			iS	25 41.88	
OHR	0.87	345	ePg	25 38.60	-0.5
			iSg	25 50.30	
IGT	0.94	219	ePc	25 40.68	0.5
			eS	25 54.72	
LIT	1.09	98	iPc	25 43.62	0.9
GRG	1.21	55	ePc	25 45.52	0.6
VAY	1.54	46	ePn	25 50.40	0.4
AGG	1.57	142	ePd	25 49.28	-1.2
KNT	1.64	56	ePd	25 50.52	-0.9
			iS	26 10.62	
SKO	1.72	9	ePn	25 53.50	0.8
S.D. = 0.9 on 9 of 9 obs.					

* JUN 25, 1991 01h 30m 18.95±1.15s
 10.305 N ± 12.3km 125.118 E ± 15.6km
 DEPTH = 31.5 ± 10.2 km
 4.2mb (2 obs.)
 LEYTE, PHILIPPINE ISLANDS (256)

PLP	0.87	351	eP	30 34.70	-0.1
			eS	30 46.50	
MAP	1.12	271	iPc	30 38.50	0.0
			iS	30 57.00	
WB2	31.40	163	eP	36 35.40	-4.2X
ASPA	34.84	166	eP	37 09.20	-0.2
	0.9s		5.80nm		4.5mb
GUN	40.78	301	P	38 00.00	0.5
STK	44.81	160	eP	38 31.00	-0.9
	0.9s		1.90nm		4.0mb
DZM	51.75	129	iPc	39 27.30	1.3
INK	84.67	21	eP	42 50.00	-0.6
S.D. = 1.0 on 7 of 8 obs.					

& JUN 25, 1991 01h 39m 42.60s
 60.032 N 151.989 W
 DEPTH = 63.2km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>

NNL	0.35	88	iPc	39 54.35	0.8
HOM	0.41	155	eP	39 54.20	0.1
RSO	0.58	319	iPd	39 55.53	-0.5
			eS	40 05.73	
RS2	0.58	319	iPd	39 55.53	-0.5
REF	0.58	323	iPd	39 55.50	-0.6
			eS	40 05.99	
RDT	0.58	339	iPd	39 55.25	-0.7
			eS	40 06.00	
XLV	0.59	167	ePd	39 55.20	-0.8
			eS	40 05.92	
RDW	0.61	318	iPd	39 55.79	-0.6
			eS	40 06.31	
RDN	0.62	322	iPd	39 55.72	-0.7
			eS	40 05.99	
CNPM	0.63	143	iPc	39 56.06	-0.4
			eS	40 06.88	
DFR	0.66	329	ePd	39 56.13	-0.8
			S	40 06.95	
NCT	0.71	319	iPd	39 56.79	-0.7
			eS	40 08.29	
NKA	0.81	27	ePd	39 59.81	1.3
AUE	0.97	227	ePc	39 59.87	-0.8
AUH	1.00	228	ePc	40 00.32	-0.7
SLKM	1.00	61	eP	40 00.56	-0.5
AUI	1.01	227	eP	40 00.42	-0.7
			eS	40 14.07	
PDB	1.14	259	ePc	40 01.32	-1.5
			eS	40 16.06	
SPU	1.15	358	iPd	40 02.52	-0.6
CKL	1.18	352	iPd	40 03.07	-0.5
CRP	1.24	356	iPd	40 04.17	-0.3
BGL	1.25	351	eP	40 03.95	-0.5
SEW	1.28	86	eP	40 05.02	0.3
CGLM	1.28	360	iPd	40 04.50	-0.4
NCC	1.38	357	iPd	40 05.89	-0.3
CDD	1.39	218	ePc	40 05.20	-1.1
SUA	1.56	23	ePd	40 08.51	-0.2
PMS	1.71	43	ePc	40 10.57	-0.1
PWA	1.93	32	eP	40 14.34	0.7
SKT	1.97	6	ePd	40 13.52	-0.8
			S	40 38.21	
LTI	2.08	88	eP	40 13.61	-2.1
PLRM	2.10	41	ePc	40 14.83	-1.2
KNIM	2.15	80	ePc	40 14.05	-2.7
MTU	2.18	89	eP	40 15.37	-1.8
KNK	2.22	50	eP	40 16.27	-1.6
GHO	2.30	39	ePc	40 17.67	-1.3
CUT	2.52	19	eP	40 21.05	-0.9
VZW	2.88	67	eP	40 24.32	-2.7
VLZ	3.00	66	eP	40 26.16	-2.6
KLU	3.32	61	ePc	40 30.92	-2.4
TRF	3.53	13	eP	40 35.33	-1.0
KTH	3.57	8	eP	40 36.93	0.1
GLB	4.26	67	eP	40 43.14	-3.3
43 obs. associated					

? JUN 25, 1991 02h 39m 05.55±2.39s
 21.299 S ± 22.2km 71.807 W ± 20.2km
 DEPTH = 33.0km (normal)
 OFF COAST OF NORTHERN CHILE (121)

ARE	4.82	4	iPd	40 17.00	-1.0
			iS	41 09.50	
LPB	5.90	37	P	40 43.50	10.1X
ZOBO	6.10	36	eP	40 37.00	0.7
NNA	10.44	332	eP	41 36.50	0.4

0.6s 6.67nm 5.1mb
 SIV 11.46 64 eP 41 45.00 -5.1X
 PPD 19.06 96 eP 43 27.30 -0.7
 BAO 23.27 80 e(P) 44 12.00 0.6
 S.D. = 1.1 on 5 of 7 obs.

% JUN 25, 1991 02h 53m 14.06 ± 1.23s
 40.427 N ± 13.4km 28.648 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.0 (ISK).

BNT 0.56 263 iPg 53 25.70 0.3
 EDC 0.60 263 iPg 53 25.50 -0.8
 ISK 0.71 26 iPg 53 27.80 -0.2
 CTT 0.74 347 iPg 53 28.60 0.1
 HRT 0.87 63 iPg 53 31.00 0.2
 KGT 1.03 272 iPn 53 34.00 0.5
 S.D. = 0.6 on 6 of 6 obs.

* JUN 25, 1991 03h 21m 14.89 ± 0.59s
 6.848 N ± 7.7km 73.123 W ± 9.7km
 DEPTH = 163.3 ± 6.7 km
 4.1mb (3 obs.)
 NORTHERN COLOMBIA (99)

BMG 0.23 12 iPc 21 37.00 -1.4
 BOG 2.40 203 iPd 21 57.50 1.2
 SDV 3.19 50 iPnd 22 06.80 0.9
 TOV 4.40 48 iPnc 22 22.20 0.7
 UPA 6.69 289 eP 22 50.10 -1.8
 PSO 7.01 217 eP 22 58.00 1.5
 TCE 11.87 70 eP 24 08.01 7.8X
 TPP 12.04 73 eP 24 10.71 8.3X
 TRN 12.18 71 eP 24 11.09 6.9X
 ZOBO 23.50 168 P 26 12.00 0.2
 LPB 23.76 168 P 26 14.00 -0.1
 SIV 25.64 152 P 26 29.50 -1.7
 SCH 48.10 5 eP 29 40.00 0.3
 FRB 56.89 2 eP 30 44.00 -0.5
 YKA 63.24 340 eP 31 27.50 -0.2
 0.5s 2.50nm 4.4mb
 LIC 67.60 86 P 31 55.40 -1.1
 KIC 67.87 86 P 31 57.10 -1.1
 INK 73.00 340 eP 32 29.00 1.0
 MBC 73.78 350 eP 32 33.50 1.1
 0.5s 2.00nm 4.1mb
 NAO 81.11 30 P 33 14.20 1.2
 0.5s 0.60nm 3.6mb
 WB2 150.34 241 iPKPd 40 49.40 5.9X
 i 41 09.30
 WRA 150.35 241 PKP 40 49.00 5.4X
 0.5s 2.50nm
 S.D. = 1.2 on 17 of 22 obs.

* JUN 25, 1991 03h 30m 05.05 ± 0.70s
 9.077 S ± 9.5km 118.453 E ± 9.7km
 DEPTH = 33.0km (normal)
 4.3mb (2 obs.)
 SUMBAWA ISLAND REGION (285)

MKS 3.96 15 iPd 31 04.60 -0.5
 TRT 5.92 203 ePc 31 33.60 0.9
 KNA 12.06 124 iPd 32 59.30 1.7
 eS 35 16.00
 MTN 13.00 108 eP 33 10.50 0.4
 eS 35 27.50
 WARB 18.71 156 iPc 34 24.80 1.7
 0.5s 0.00nm 4.2mb
 eS 37 53.00
 WB2 18.79 127 eP 34 22.10 -2.1
 i 34 29.00
 eS 37 42.30
 MRWA 20.17 186 eP 34 38.90 -0.7
 e 34 54.00
 eS 38 17.00
 ASPA 20.71 136 eP 34 45.60 0.3
 0.5s 9.70nm 4.4mb
 eS 38 28.00
 BAL 21.48 184 eP 34 52.70 -0.3
 eS 38 49.00

COOL 21.84 174 eP 34 55.70 -1.0
 KLB 22.41 182 eP 35 01.90 -0.4
 eS 39 07.00
 S.D. = 1.3 on 11 of 11 obs.

JUN 25, 1991 03h 49m 18.49 ± 0.70s
 36.602 N ± 4.8km 140.883 E ± 4.5km
 DEPTH = 61.9 ± 5.5 km
 5.0mb (58 obs.)
 NEAR EAST COAST OF HONSHU, JAPAN(228)
 Felt (IV JMA) at Mito. Also felt
 at Tokyo.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 15C
 Centroid Location:
 Origin Time 03:49:20.8 0.6
 Lat 36.91N 0.07 Lon 140.53E 0.06
 Dep 74.0 6.9 Half-duration 1.8
 Moment Tensor: Scale 10**17 Nm
 Mrr= 0.73 0.06 Mtt= 0.39 0.10
 Mff=-1.13 0.10 Mrt= 0.08 0.10
 Mrf= 0.72 0.10 Mtf=-0.31 0.10
 Principal Axes:
 T Val= 0.98 Plg=71 Azm=262
 N 0.45 6 9
 P -1.43 19 100
 Best Double Couple: Mo=1.2*10**17
 NP1: Strike=200 Dip=27 Slip= 103
 NP2: 6 64 84

KAKJ 0.70 236 iPd 49 32.30 -0.6
 S 49 42.30
 CHJJ 1.62 251 P 49 45.50 0.3
 NIJJ 1.64 293 iPd 49 46.00 0.6
 S 50 08.50
 YAMJ 1.71 337 iPd 49 46.10 -0.3
 S 50 07.80
 MAT 2.15 269 P 49 55.00 2.3
 MTMJ 2.48 271 P 49 58.50 1.2
 OFUJ 2.55 14 iPd 49 55.90 -2.3
 S 50 25.00
 IIDJ 2.66 246 P 50 01.90 2.2
 AOMJ 3.97 354 eP 50 17.70 -0.5
 S 51 06.50
 SHK 7.00 255 eP 51 02.20 1.6
 MDJ 11.73 317 Pc 52 08.60 3.4X
 0.7s 60.00nm 5.7mb
 Z 25s 3.00um 5.3mszX
 N 15s 1.40um
 E 15s 2.00um
 S 52 21.00
 S 54 16.00
 CN2 13.80 306 eP 52 34.00 1.4
 Z 15s 4.60um
 N 14s 0.90um
 E 14s 0.90um
 SNY 14.39 297 Pc 52 40.00 -0.2
 0.8s 40.00nm 4.9mb
 Z 20s 3.50um 5.2msz
 N 12s 1.20um
 E 15s 1.50um
 PP 52 52.20
 DL2 15.41 284 eP 52 55.00 1.7
 1.0s 100.00nm 5.0mb
 Z 18s 2.70um 4.3msz
 N 13s 1.30um
 E 14s 2.60um
 S 53 10.00
 S 55 45.00
 SSE 17.25 257 Pc 53 15.00 -1.6
 7.0s 400.00nm 4.7mb X
 Z 20s 3.20um 4.3msz
 E 14s 1.10um
 S 56 51.00
 NJ2 18.74 262 Pc 53 33.00 -1.8
 Z 18s 1.50um
 E 17s 1.70um
 TIA 19.12 276 Pd 53 36.00 -2.5
 Z 22s 2.40um
 N 17s 1.80um
 E 18s 2.50um
 BJI 19.67 288 eP 53 43.00 -2.0
 N 12s 0.64um
 S 57 14.00
 TIY 22.67 281 eP 54 11.00 -3.6X
 Z 18s 3.00um 4.8msz

WNN 14s 2.00um
 22.88 262 ePc 54 16.80 -0.6
 1.0s 30.00nm 4.7mb
 Z 18s 1.80um 4.6msz
 N 18s 2.00um
 E 17s 3.10um
 PP 54 33.00
 eS 58 20.00
 HHC 23.21 290 eP 54 19.60 -1.1
 Z 18s 1.90um 4.6msz
 N 14s 0.50um
 E 17s 1.30um
 S 58 30.00
 BTO 24.38 289 eP 54 30.00 -2.1
 N 13s 0.50um
 E 17s 1.10um
 XAN 26.14 274 P 54 40.00 -0.6
 N 13s 0.80um
 E 16s 1.00um
 S 59 18.00
 YAK 26.38 348 eP 54 36.60 -13.8X
 e 54 48.00
 eP 55 06.00 140kmX
 ePPP 55 35.00
 ePPP 55 53.00
 eS 59 19.00
 iPS 59 27.00
 esS 00 01.00
 esS 00 21.00
 esSS 00 42.00
 LZH 29.72 280 eP 55 21.00 -0.1
 1.0s 31.00nm 5.0mb
 Z 18s 2.84um 4.9msz
 E 16s 2.01um
 PP 56 19.00
 eS 00 08.00
 GYA 30.73 261 P 55 27.20 -2.8
 Z 25s 1.00um 4.4mszX
 CD2 31.25 270 eP 55 32.50 -1.9
 Z 19s 1.74um 4.7msz
 N 13s 1.16um
 GTA 32.29 288 eP 55 42.50 -1.0
 0.6s 10.00nm 4.8mb
 Z 25s 1.30um 4.5mszX
 N 13s 0.50um
 PP 56 50.00
 PCP 58 31.00
 S 00 52.00
 KMI 34.48 262 eP 56 01.50 -1.2
 Z 24s 2.00um 4.8mszX
 WMO 40.66 297 P 56 55.50 1.4
 0.8s 60.00nm 5.5mb
 Z 24s 1.00um 4.6mszX
 N 13s 0.60um
 PP 57 10.50
 PP 58 32.90
 PCS 02 43.00
 S 03 03.00
 sS 03 30.50
 CHG 40.77 256 ePc 56 55.20 0.0
 1.0s 17.75nm 4.8mb
 BDT 41.63 254 eP 57 01.00 -1.2
 1.0s 34.50nm 5.1mb
 LSA 41.83 275 P 57 05.80 1.5
 SHL 42.98 269 eP 57 14.00 0.6
 iS 03 34.00
 MKS 46.17 210 iPd 57 41.00 2.2
 GUN 46.78 276 P 57 44.56 0.6
 1.0s 217.00nm 6.1mb X
 PDB 46.79 39 P 57 42.90 -0.4
 SNG 46.92 241 eP 57 46.00 1.2
 IMA 47.28 30 P 57 48.70 1.5
 0.9s 5.21nm 4.5mb
 PKI 47.30 276 P 57 48.20 0.1
 0.9s 74.00nm 5.6mb
 KKN 47.31 276 P 57 48.48 0.5
 0.9s 175.00nm 6.0mb
 RSO 47.50 38 P 57 49.60 0.5
 DMN 47.52 276 P 57 50.10 0.3
 1.0s 48.00nm 5.4mb
 GKN 47.73 277 P 57 51.54 0.3
 1.0s 247.00nm 6.1mb X
 KGM 48.84 234 ePd 58 01.00 1.3
 PMR 49.23 36 P 58 01.10 -1.0
 0.9s 13.54nm 5.0mb
 FBA 49.69 32 P 58 05.00 -0.7
 0.6s 22.17nm 5.4mb

25d 03h

KLU	50.77	36	P	58	20.00	57kmX	1.1s	39.00nm	5.3mb	Z	21s	0.38um	4.8msz		
PSI	51.28	239	ePc	58	25.50	7.1X	81.49	305 eP	01 31.20 0.6	LMR	90.27	329 eP	02 12.60 -1.0		
NDI	53.34	281	iPc	58	33.00	-0.6	81.57	325 iP	01 31.60 1.0		0.9s	9.85nm	5.1mb		
INK	54.97	27	iPc	58	43.70	-1.3	81.63	328 eP	01 31.00 0.1	RJF	90.60	333 eP	02 15.10 0.0		
	0.7s	17.00nm				5.2mb	0.9s	16.80nm	5.0mb		0.8s	5.35nm	4.9mb		
WB2	56.58	187	iPd	58	55.70	-1.4	Z	18s	0.60um	5.0msz	Z	22s	0.35um	4.8msz	
WRA	56.58	187	P	58	55.00	-2.1		e	01 42.50		TUL	90.70	43 eP	02 28.90 13.2X	
	0.5s	28.90nm				5.6mb		e	01 48.50			0.8s	10.50nm		
OIS	56.86	181	eP	58	58.00	-1.1	ZST	81.85	326 eP	01 33.40 1.4	CAF	90.71	332 eP	02 16.00 0.3	
MBC	57.06	16	eP	58	59.00	-1.0	KDZ	82.31	317 eP	01 36.00 1.4		0.8s	5.35nm	4.9mb	
	0.9s	10.00nm				4.9mb	MOX	82.33	330 eP	01 35.60 1.1	LFF	91.19	333 eP	02 18.00 0.2	
HYB	57.77	268	ePc	59	05.50	-0.2		1.0s	12.00nm	4.8mb	LPO	91.25	333 eP	02 18.10 0.0	
	1.0s	50.00nm				5.6mb	GOL	82.66	45 P	01 38.30 1.5	EPF	92.98	332 eP	02 25.60 -0.6	
ASPA	60.30	187	iPd	59	22.50	-0.5		0.8s	5.21nm	4.6mb	ZOBO	147.27	59 PKP	08 57.00 1.9X	
	0.6s	27.70nm				5.6mb	RZN	82.67	317 eP	01 38.00 1.3		i	09 12.00		
QUE	60.67	287	eP	59	25.60	-0.2	KHC	82.69	328 iP	01 36.50 0.0		LR	59 18.00		
GBA	60.76	265	Pc	59	25.90	-0.4		0.9s	10.80nm	4.8mb	LPB	147.47	60 ePKP	08 58.00 2.8X	
	1.0s	35.10nm				5.4mb	Z	18s	0.50um	4.9msz		e	09 14.00		
POO	60.96	272	iPd	59	31.80	4.1X	N	16s	0.20um		SIV	151.69	49 PKP	09 02.90 1.7X	
KOD	62.66	262	eP	59	38.60	-0.8	E	16s	0.50um			i	09 07.40		
DZM	63.15	153	iPc	59	57.70	15.5X		e	01 55.00			i	09 23.40		
MAIO	63.43	297	eP	59	44.00	0.0		S	12 10.00		S.D. = 1.1 on 147 of 168 obs.				
KEV	63.69	339	iP	59	44.50	-0.6	VTs	82.86	319 eP	01 38.00 0.4	* JUN 25, 1991 04h 03m 29.41±1.22s				
	0.5s	8.40nm				5.0mb	WTS	83.08	333 eP	01 39.00 0.7	36.605 N ± 9.7km 141.264 E ± 11.1km				
WARB	63.87	194	iPd	59	47.10	0.3		0.9s	9.00nm	4.8mb	DEPTH = 46.7 ± 9.9 km				
	0.5s	17.00nm				5.3mb	MMB	83.28	318 eP	01 40.00 0.4	4.4mb (2 obs.)				
YKA	64.39	30	eP	59	48.40	-1.4	EKA	83.40	340 Pd	01 41.00 1.1	NEAR EAST COAST OF HONSHU, JAPAN(228)				
	1.0s	3.50nm				4.3mb		0.8s	5.40nm	4.6mb	Felt (11 JMA) at Mito.				
SOD	65.20	337	iP	59	54.00	-0.9	KKB	83.43	318 iPc	01 41.00 0.6	KAKJ	0.97	246 iPd	03 46.20 -0.6	
FORR	68.16	192	iPc	00	13.40	-0.6	PRNI	83.80	303 eP	01 43.40 0.9		S	03 56.40		
NUR	70.13	332	eP	00	25.00	-0.8	PTJ	84.08	325 eP	01 44.60 0.9	YAMJ	1.85	328 P	03 59.70 0.5	
	0.7s	30.70nm				5.3mb	VAY	84.09	318 iP	01 44.40 0.7		S	04 20.60		
BAL	70.60	202	eP	00	28.70	-0.3	SKO	84.23	319 iP	01 46.00 1.6	CHJJ	1.91	254 P	03 59.40 -0.8	
FHC	70.62	53	eP	00	32.20	2.9	MBH	84.24	303 eP	01 45.30 0.5		S	04 18.00		
NEW	70.74	44	P	00	27.90	-1.9	ENN	84.40	333 eP	01 45.50 0.4	NIIJ	1.92	290 P	03 59.80 -0.4	
	1.0s	11.88nm				4.8mb		0.7s	10.00nm	5.0mb		S	04 21.90		
							MEM	84.50	333 P	01 46.40 0.9	OFUJ	2.49	7 iP+	04 09.40 1.0	
LBFM	71.67	52	P	00	37.50	1.7	VBY	84.70	325 e(P)	01 47.30 0.6		S	04 39.30		
WDC	71.67	53	eP	00	37.00	1.5	CEY	84.90	326 e(P)	01 46.50 -1.2	MTMJ	2.78	271 P	04 12.70 0.0	
							OHR	85.18	319 eP	01 49.30 0.1	IIDJ	2.94	249 P	04 16.10 1.3	
								0.9s	51.00nm	5.6mb		S	04 47.00		
MIN	72.40	53	eP	00	55.40	15.4X	ANMO	85.19	50 P	01 49.60 0.0	TSRJ	4.41	258 P	04 36.90 1.4	
SES	72.76	40	eP	00	41.00	-0.8		1.0s	47.50nm	5.5mb	HOOJ	5.98	15 eP	04 58.20 0.6	
UPP	73.15	334	iP	00	43.10	-0.7	ALO	85.19	50 eP	01 51.00 1.4		S	06 02.40		
FFC	74.30	32	eP	00	50.00	-0.6			1.0s	14.25nm	5.0mb	KUSJ	7.01	21 eP	05 10.20 -1.7
	0.9s	12.00nm				4.8mb			e	02 06.50			S	06 25.50	
CMB	74.47	54	P	00	53.00	1.0	CDF	85.82	331 eP	01 51.90 -0.4	ASAJ	7.58	8 eP	05 18.40 -1.6	
	1.0s	26.67nm				5.1mb		0.8s	13.45nm	5.1mb	GUN	47.08	276 P	11 58.60 -0.4	
							SCH	85.89	16 eP	01 53.00 0.5	PKI	47.60	276 P	12 02.30 -0.8	
NAO	74.71	337	P	00	52.20	-0.7	BSF	86.48	331 eP	01 54.80 -0.8	KKN	47.61	276 P	12 02.80 -0.2	
	0.6s	17.70nm				5.2mb	HAU	86.51	331 eP	01 55.00 -0.7	GKN	48.03	277 P	12 05.50 -0.7	
LRM	74.75	44	eP	00	54.00	0.3		Z	21s	0.32um	4.7msz	WB2	56.62	188 eP	13 09.80 -0.2
KVN	75.36	52	P	01	12.60	15.3X	ARV	87.30	325 P	02 00.20 0.6	WRA	56.62	188 P	13 09.00 -1.0	
TNP	76.49	53	P	01	02.60	-1.0	SFI	87.47	326 P	02 01.70 1.4		0.6s	3.60nm	4.6mb	
	0.8s	9.80nm				4.8mb	PGD	87.56	326 P	02 01.80 0.8	LRM	74.54	44 eP	15 07.80 2.6	
							CRE	87.65	326 P	02 01.80 0.4		e	15 20.90		
ISA	77.08	55	eP	01	07.00	0.2	MME	87.77	327 P	02 03.80 1.7	NAO	74.82	337 P	15 06.40 0.1	
FRB	77.29	13	eP	01	07.00	-0.3	LOR	88.07	332 eP	02 02.40 -0.8		0.6s	1.80nm	4.2mb	
CLC	77.57	55	eP	01	24.00	14.5X		1.0s	12.00nm	5.0mb	CLL	81.41	330 eP	15 43.00 0.6	
SBB	78.08	56	eP	01	27.00	14.7X	Z	19s	0.30um	4.7msz	ALO	84.96	50 e(P)	16 17.00 15.8X	
BW06	78.27	45	P	01	13.50	0.1			0.8s	4.70nm	4.8mb	SIV	151.45	50 iPKP	23 21.50 7.7X
	0.7s	4.73nm				4.6mb	LBF	88.26	332 eP	02 03.50 -0.7	S.D. = 1.1 on 20 of 22 obs.				
GSC	78.39	55	eP	01	31.00	16.9X	SDI	88.27	323 P	02 03.80 -0.5	* JUN 25, 1991 04h 34m 36.80±1.39s				
DAU	78.76	48	P	01	17.10	0.8	LDF	88.35	335 eP	02 04.00 -0.5	38.158 N ± 10.2km 26.570 E ± 12.0km				
VRI	78.78	319	ePc	01	16.50	0.7	SSF	88.37	332 eP	02 04.40 -0.2	DEPTH = 33.0km (normol)				
CVO	79.10	320	ePc	01	12.50	-5.1X		0.8s	4.70nm	4.8mb	AEGEAN SEA (365)				
KRA	79.21	326	eP	01	18.50	0.4	LPL	88.39	330 eP	02 04.50 -0.6	MD 3.5 (ISK), 3.3 (ATH).				
	0.9s	38.00nm				5.3mb	LPG	88.40	330 eP	02 04.70 -0.5	IWM	0.60	66 iPg	34 48.90 0.1	
Z	16s	1.00um				5.2mszX		0.5s	4.35nm	4.9mb		eSg	34 57.00		
E	16s	1.30um					TDS	88.56	321 P	02 06.50 0.8	PRK	1.11	348 ePb	34 55.50 -0.6	
							MGR	88.60	321 P	02 05.20 -0.6		eSb	35 09.50		
ISR	79.36	319	ePc	01	21.20	2.1	AVF	88.66	332 eP	02 05.80 -0.2	EZN	1.68	354 ePn	35 05.00 0.8	
MLR	79.44	320	ePc	01	16.50	-3.1X		0.7s	8.80nm	5.1mb	YER	1.70	126 ePn	35 05.00 0.4	
PLM	79.52	56	eP	01	36.00	15.7X	GRR	88.78	336 eP	02 06.20 -0.3	KHL	2.33	85 ePn	35 13.00 -0.7	
TPC	79.61	55	eP	01	27.00	6.4X	BGF	89.04	333 eP	02 07.50 -0.3	KGT	2.36	14 iPn	35 14.00 0.0	
SPC	79.69	325	eP	01	21.30	0.4		0.9s	8.20nm	5.0mb	EDC	2.41	24 iPn	35 14.80 0.1	
BAR	80.05	57	eP	01	38.00	15.0X	LPF	89.15	336 eP	02 08.10 -0.2	BNT	2.43	25 ePn	35 15.00 -0.1	
KSP	80.24	328	iP	01	24.50	0.9		0.8s	8.05nm	5.1mb	RDO	3.09	345 ePn		

DEPTH = 568.3 ± 59.4 km
SANTIAGO DEL ESTERO PROV., ARG. (132)

MDZ	7.33	218	i(P)	58	00.60	0.9
PEL	8.61	225	iPd	58	12.00	-0.1
	0.6s	46.67nm			4.8mb	X
SAN	8.80	223	eP	58	08.00	-6.0X
PCH	8.83	222	iPc	58	15.00	0.7
TACH	9.11	223	ePd	58	16.10	-0.9
LNV	9.60	224	iP	58	21.00	-0.8
SIV	11.39	12	iPd	58	39.60	-0.3
			i	58	55.30	
LPB	11.48	337	P	58	41.00	-0.2
ZOBO	11.74	337	iPd	58	43.20	-0.7
ARE	13.05	323	eP	58	58.00	1.2
			eS	01	25.00	
BAO	18.41	54	ePc	59	49.00	0.2
	S.D. = 0.9	on 10 of 11 obs.				

? JUN 25, 1991 06h 08m 10.23 ± 2.31s
23.263 N ± 32.4km 94.478 E ± 27.3km
DEPTH = 104.1 ± 23.0 km
4.0mb (1 obs.)

BURMA-INDIA BORDER REGION (294)

SHL	3.29	315	eP	09	01.00	0.0
			iS	09	35.50	
GUN	9.04	303	P	10	20.10	0.2
PKI	9.25	299	P	10	23.00	0.2
KKN	9.45	300	P	10	25.00	-0.4
DMN	9.51	299	P	10	25.80	-0.4
GKN	10.05	300	P	10	33.80	0.4
WRA	57.93	135	P	17	54.00	0.0
	0.5s	0.80nm			4.0mb	
UPP	63.60	327	iP	18	31.80	0.0
	S.D. = 0.4	on 8 of 8 obs.				

* JUN 25, 1991 06h 46m 45.63 ± 0.65s
45.963 N ± 14.1km 151.445 E ± 12.7km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)

KURIL ISLANDS (221)

KUSJ	5.60	242	P	48	06.90	-1.8
			S	49	09.80	
ASAJ	6.50	257	eP	48	27.10	5.6X
HOJ	6.87	242	eP	48	26.10	-0.5
			eS	49	44.60	
MRRJ	8.25	248	eP	48	47.20	1.3
OFUJ	9.96	230	P	49	04.70	-4.8X
			S	50	50.00	
YAMJ	11.50	231	eP	49	26.40	-4.1X
BJI	26.32	270	eP	52	23.00	3.1X
GUMO	32.75	192	eP	53	17.50	0.0
PJG	32.75	192	eP	53	18.00	0.5
INK	42.93	32	eP	54	43.00	0.6
CHG	50.81	256	eP	55	45.90	1.0
YKA	52.24	36	eP	55	54.50	-0.8
	0.7s	1.90nm			4.2mb	
PNT	56.61	52	eP	56	27.00	-0.5
WRA	67.40	197	P	57	36.00	-3.8X
	1.0s	3.80nm			4.4mb	
NAO	68.87	341	P	57	48.60	0.1
	0.8s	0.90nm			3.9mb	
	S.D. = 1.1	on 10 of 15 obs.				

* JUN 25, 1991 07h 25m 27.88 ± 0.57s
3.111 N ± 7.3km 79.465 W ± 12.9km
DEPTH = 33.0km (normal)
4.3mb (4 obs.) 3.3msz (1 obs.)

SOUTH OF PANAMA (83)

PSO	2.86	132	eP	26	13.00	0.4
YANA	3.33	164	eP	26	18.20	-1.1
GGP	3.38	165	P+	26	19.50	-0.7
			S	26	56.50	
OUR	3.39	164	eP	26	19.50	-0.7
			S	26	58.40	
OTO	3.43	164	eP	26	21.00	0.3
ANGL	3.97	151	eP	26	25.10	-3.4X
BOG	5.59	74	eP	26	52.00	0.7
UPA	5.83	359	iPc	26	52.10	-2.3
NNA	15.22	170	iP	29	08.80	6.5X
	1.0s	18.00nm			4.3mb	
ARE	20.98	158	eP	30	14.00	2.7X
ZOBO	22.28	150	iPc	30	25.20	0.6
	Z 20s	0.12um			3.3msz	

LR	38	32.00	
LPB	22.52	150	P
SIV	26.29	137	iPc
ALO	40.38	325	eP
	1.0s	6.50nm	
ANMO	40.39	325	P
RSSD	46.26	336	P
	0.7s	6.06nm	
DUG	47.66	325	P
NEW	55.36	330	P
LON	56.86	326	P
YKA	64.73	343	eP
	0.7s	0.90nm	
	S.D. = 1.3	on 15 of 20 obs.	

JUN 25, 1991 08h 08m 01.20 ± 0.39s
44.296 N ± 3.3km 7.466 E ± 3.1km
DEPTH = 5.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.5 (LDG), 2.0 (GEN).

ENR	0.08	205	P	08	02.60	-0.5
			S	08	03.46	
STV	0.11	243	P	08	03.40	-0.3
			S	08	04.94	
ROB	0.29	90	P	08	08.02	0.9
			S	08	11.71	
PZZ	0.33	309	P	08	07.91	-0.1
			S	08	11.60	
SBF	0.43	183	Pg	08	09.80	-0.1
			Sg	08	16.30	
IMI	0.49	142	P	08	10.37	-0.7
			S	08	16.94	
FIN	0.54	99	P	08	11.81	-0.2
			S	08	18.78	
BHB	0.56	345	P	08	12.25	-0.3
			S	08	19.51	
RRL	0.79	322	P	08	17.18	0.0
			S	08	27.09	
PCP	0.81	72	P	08	17.31	-0.1
			S	08	25.96	
FRF	0.94	219	Pg	08	20.30	0.6
			Sg	08	34.30	
LRG	1.16	224	Pg	08	23.90	0.6
			Sg	08	39.20	
LMR	1.19	216	Pg	08	23.90	0.1
			Sg	08	39.20	
	S.D. = 0.5	on 13 of 13 obs.				

? JUN 25, 1991 08h 16m 16.28 ± 5.84s
16.063 N ± 14.0km 60.987 W ± 37.8km
DEPTH = 78.2 ± 42.8 km
LEEWARD ISLANDS (92)

DEG	0.26	344	ePc	16	28.29	0.0
			S	16	35.80	
MGG	0.35	246	ePc	16	28.80	0.0
			S	16	36.40	
SEG	0.60	304	eP	16	31.10	0.1
			S	16	41.00	
PAG	0.67	267	eP	16	31.60	-0.1
			S	16	41.30	
BBL	0.71	221	ePc	16	32.23	0.0
			S	16	42.20	
BPA	1.29	320	eP	16	39.10	0.0
			S	16	54.30	
	S.D. = 0.1	on 6 of 6 obs.				

JUN 25, 1991 09h 26m 57.39 ± 0.77s
38.456 N ± 7.3km 12.106 E ± 7.1km
DEPTH = 21.9 ± 8.1 km
SICILY (398)

LVI	0.50	159	P	27	07.10	-0.4
			eSg	27	15.80	
ERC	0.57	138	P	27	08.60	0.0
			eSg	27	17.80	
USI	0.88	73	P	27	12.90	-0.9
			eSg	27	28.60	
CVT	0.95	145	P	27	16.70	1.7
			eSg	27	30.10	
GIB	1.58	107	P	27	24.20	-0.3
PTS	1.65	183	P	27	25.40	0.1
MNO	2.11	104	P	27	31.40	-0.8
ZGN	2.61	218	iP+	27	38.50	-0.8
MEU	2.61	120	P	27	39.20	-0.1
			eSn	28	09.50	

ATN	2.66	95	P	27	40.40	0.6
SOI	3.13	96	P	27	47.00	0.5
CZI	3.24	75	P	27	46.20	-1.8
SGO	3.25	49	P	27	49.20	1.1
			eSn	28	25.20	
CSI	3.51	67	P	27	52.50	0.5
MAO	4.02	350	P	27	59.50	0.4
	S.D. = 1.0	on 15 of 15 obs.				

JUN 25, 1991 09h 29m 24.57 ± 0.72s
38.911 N ± 6.1km 20.297 E ± 5.2km
DEPTH = 5.0km (geophysicist)
4.1mb (1 obs.)

GREECE (364)
ML 3.9 (ATH).

IGT	0.62	3	iPd	29	36.21	-0.8
VLS	0.77	163	ePg	29	40.30	0.3
KEK	0.89	334	ePb	29	43.50	1.4
AGG	1.59	85	ePc	29	53.46	0.0
			eS	30	17.64	
KZN	1.80	39	iPbc	29	58.00	1.5
FNA	2.05	24	ePc	30	01.66	1.6
			iS	30	28.17	
LIT	2.07	54	iPc	30	00.01	-0.4
			eS	30	29.73	
OHR	2.23	10	iPn	30	04.40	1.6
			iSg	30	31.40	
LCI	2.30	309	P	30	11.00	7.3X
			eSn	30	37.90	
GRG	2.61	38	iPd	30	08.64	0.6
PAIG	2.81	68	iPd	30	10.69	-0.3
			eS	30	50.76	
ATH	2.84	108	ePb	30	15.00	3.5X
VAY	2.97	35	iPn	30	12.30	-0.9
KNT	3.01	41	iPd	30	14.53	0.8
			iS	30	50.17	
VLI	3.03	136	ePg	30	21.50	7.5X
SOH	3.03	50	iPd	30	14.85	0.7
			eS	30	51.89	
TDS	3.16	285	P	30	25.00	9.1X
SRS	3.35	48	ePd	30	19.10	0.4
			iS	30	58.98	
SOI	3.43	257	P	30	26.80	7.0X
			eSn	31	06.60	
MMN	3.48	288	P	30	29.20	8.8X
KKB	3.64	35	eP	30	22.00	-0.7
ATN	3.86	260	P	30	32.80	6.8X
			eSn	31	17.80	
SGO	4.18	295	P	30	37.40	7.0X
			eSn	31	23.30	
VTS	4.29	30	eP	30	32.00	-0.1
RZN	4.37	49	eP	30	32.00	-1.3
RDO	4.60	59	ePn	30	35.50	-0.9
HVAR	5.16	327	iPn	30	44.50	0.2
KGT	5.62	72	eP	30	50.50	-0.3
PVL	5.74	40	eP	30	50.00	-2.5X
VBY	7.57	332	e(P)	31	17.00	-1.2
MLR	7.80	31	ePc	31	12.50	-9.0X
CEY	8.09	329	e(P)	31	24.50	-1.0
VRI	8.42	32	ePd	31	29.50	-0.6
VOY	8.54	328	e(P)	31	30.70	-1.2
EKA	22.73	324	Pd	34	29.30	0.9
	0.9s	5.70nm			4.1mb	
	S.D. = 1.0	on 25 of 35 obs.				

* JUN 25, 1991 09h 41m 00.16 ± 1.70s
24.733 N ± 18.3km 122.715 E ± 11.7km
DEPTH = 10.0km (geophysicist)
4.3mb (1 obs.)

TAIWAN REGION (243)

TWC	0.80	261	iPd	41	14.40	-1.2
			eS	41	23.90	
TWZ	1.09	290	ePd	41	21.20	0.5
			eS	41	34.80	
TWD	1.21	238	ePc	41	22.50	-0.2
			eS	41	37.30	
TWK	2.51	235	ePc	41	42.90	1.3
SSE	6.48	348	P	42	48.50	10.6X
Z	16s		0.40um			
			Lg	44	44.00	
WRA	45.83	165	P	49	24.00	-0.2
	1.1s		3.50nm			4.3mb
WB2	45.83	165	iPc	49	24.10	-0.1
			e	50	50.90	
S.D. = 1.1 on 6 of 7 obs.						

* JUN 25, 1991 10h 18m 39.40±0.88s 32.162 S ±15.2km 69.636 W ±15.6km DEPTH = 100.0km (geophysicist) MENDOZA PROVINCE, ARGENTINA (139)					MAF 43.61 299 eP 31 57.20 0.1 0.8s 5.35nm 4.4mb TCF 43.83 299 eP 31 59.00 0.1 1.0s 7.00nm 4.4mb EKA 45.28 313 P 32 10.00 -0.4 0.8s 4.10nm 4.4mb MBC 63.84 1 eP 34 25.00 -0.2 YKA 77.65 359 eP 35 48.50 -0.1 0.8s 2.30nm 4.3mb WRA 89.20 117 P 36 48.00 -0.2 0.9s 1.80nm 4.4mb WB2 89.20 117 iPd 36 48.80 0.6 0.6s 3.60nm 4.9mb S.D. = 0.7 on 28 of 30 obs.					DFR 2.86 266 ePc 35 15.33 -2.5 REF 2.89 264 iPc 35 15.97 -2.3 RDN 2.91 265 iPc 35 15.97 -2.6 RSO 2.92 264 iPc 35 16.40 -2.3 RS2 2.92 264 iPc 35 16.49 -2.3 RDW 2.94 264 ePc 35 16.66 -2.4 NCT 2.99 266 eP 35 17.35 -2.3 MCK 3.00 342 eP 35 19.32 -0.4 TRF 3.02 330 ePc 35 19.22 -0.9 TMW 3.04 35 eP 35 19.46 -0.9 KTH 3.26 326 eP 35 22.51 -1.0 BWN 3.49 341 eP 35 25.18 -1.6 AUE 3.59 247 eP 35 25.59 -2.6 SYI 3.61 233 eP 35 26.13 -2.3 AUH 3.62 248 eP 35 26.73 -1.9 WRH 3.63 352 eP 35 26.91 -1.8 AUI 3.63 247 eP 35 26.21 -2.5 CCB 3.78 354 ePc 35 28.71 -2.1 PDB 3.80 256 ePc 35 28.15 -2.9 NEA 3.83 346 eP 35 29.70 -1.7 CDD 3.93 243 ePc 35 30.51 -2.5 FBA 4.04 355 eP 35 32.40 -2.0 GLM 4.11 357 ePd 35 33.07 -2.5 MDM 4.12 352 eP 35 33.25 -2.4 SVW 4.26 277 iPc 35 33.50 -4.1 KDC 4.27 225 iPd 35 34.80 -2.9 TTA 4.77 299 eP 35 41.40 -3.5 IMA 6.01 333 eP 35 59.50 -2.9 SIT 7.11 118 eP 36 13.00 -4.7 INK 9.37 32 P 36 47.00 -2.2 1.2s 1.60nm 4.2mb X YKA 15.31 70 eP 38 09.60 1.0 0.7s 2.50nm 3.6mb 80 obs. associated									
MDZ 0.98 138 iP 19 00.10 0.1 iS 19 12.90 RTCB 0.98 47 iPc 19 00.50 0.5 RTLL 1.29 50 iPc 19 03.00 -0.6 PEL 1.32 222 iPd 19 04.50 0.6 iS 19 23.90 SAN 1.55 214 iPd 19 06.50 -0.2 iS 19 28.30 TACH 1.85 216 iPd 19 10.00 -0.5 iS 19 34.00 S.D. = 0.7 on 6 of 6 obs.					& JUN 25, 1991 12h 34m 32.44s 60.900 N 146.891 W DEPTH = 21.1km 3.6mb (1 obs.) SOUTHERN ALASKA (2) <AEIC>. ML 3.8 (AEIC), 3.6 (PMR). Feit (III) at Valdez.					GLI 0.10 258 iPc 34 36.69 0.1 VZW 0.23 46 iPd 34 38.10 -0.1 VLZ 0.36 49 iPd 34 39.52 -0.6 eS 34 45.27 HIN 0.54 159 iPd 34 42.56 -0.6 iS 34 51.32 CVA 0.66 122 iPc 34 44.43 -0.8 S 34 54.54 KNIM 0.69 217 iPc 34 44.43 -1.3 eS 34 54.33 KLU 0.76 38 iPd 34 45.45 -1.5 eS 34 55.59 KNK 0.92 305 iPc 34 48.44 -1.1 SGAM 0.92 115 iPc 34 48.39 -1.2 SCM 0.96 348 iPd 34 48.79 -1.6 LTI 0.99 209 iPd 34 49.31 -1.4 MTU 0.99 203 ePd 34 48.72 -2.1 SML 1.15 323 ePc 34 51.92 -1.4 RAGM 1.21 114 ePc 34 52.74 -1.4 eS 35 08.50 TOA 1.26 16 iPc 34 53.90 -1.0 PLRM 1.29 304 iPc 34 53.84 -1.4 eS 35 10.58 PMR 1.29 304 iPc 34 53.90 -1.3 GHO 1.31 313 ePc 34 54.49 -1.2 eS 35 12.15 PMS 1.34 286 iPc 34 55.00 -1.1 TZL 1.35 31 iPc 34 55.43 -0.7 HMT 1.41 112 eP 34 55.39 -1.7 S 35 13.50 SEW 1.50 239 iPc 34 56.72 -1.5 eS 35 15.87 MID 1.50 169 iPd 34 57.40 -0.9 GLB 1.59 69 iPc 34 58.25 -1.4 eS 35 19.13 PWA 1.63 299 iPc 34 59.40 -0.7 SLKM 1.68 258 iPc 34 59.82 -1.2 SDG 1.75 21 ePc 35 01.11 -0.9 S 35 22.62 SUA 1.95 289 iPc 35 03.80 -1.1 WAX 2.04 101 iPc 35 04.03 -2.1 eS 35 29.29 NKA 2.14 268 ePc 35 07.36 -0.1 PAX 2.18 17 ePc 35 07.55 -0.7 CUT 2.21 315 eP 35 08.08 -0.4 BALM 2.22 84 iPc 35 06.99 -1.8 eS 35 34.20 NNL 2.35 250 ePc 35 09.24 -1.2 HUR 2.46 329 eP 35 11.53 -0.5 SKT 2.48 298 iPc 35 10.78 -1.6 S 35 11.46 CGLM 2.52 282 iPc 35 11.27 -1.7 SPU 2.53 279 iPc 35 11.08 -2.0 CNPM 2.57 239 iPc 35 11.67 -2.0 THY 2.58 11 eP 35 13.06 -0.8 CRP 2.58 280 ePc 35 12.23 -1.8 NCG 2.60 283 ePc 35 12.43 -1.8 CKL 2.67 279 iPc 35 13.06 -2.1 HOM 2.67 244 ePc 35 13.31 -1.8 RND 2.68 341 ePd 35 14.68 -0.6 BGL 2.70 280 ePc 35 13.84 -1.7 CTGM 2.71 86 ePc 35 14.02 -1.8 RDT 2.73 266 iPc 35 13.56 -2.4 XLV 2.82 241 ePc 35 14.65 -2.5									
? JUN 25, 1991 11h 03m 14.89±1.02s 37.025 N ±10.1km 29.406 E ±7.6km DEPTH = 10.0km (geophysicist) TURKEY (366) MD 3.3 (ISK).					JUN 25, 1991 13h 24m 17.10±0.56s 46.313 N ±8.2km 12.920 E ±6.5km DEPTH = 5.0km (geophysicist) NORTHERN ITALY (545) ML 2.6 (VIE). MD 2.5 (TRI).					FVI 0.30 341 P 24 23.10 0.0 eSg 24 28.40 VOY 0.73 112 ePn 24 30.20 -1.6 eSn 24 42.40 TRI 0.84 135 ePg 24 34.40 0.5 iSg 24 47.60 CTI 0.92 254 P 24 34.80 -0.5 eSg 24 47.30 SCE 1.10 311 ePg 24 38.00 -0.4 CEY 1.20 118 e(Pn) 24 40.50 0.6 eSn 24 58.90 WTTA 1.30 318 iPgc 24 41.70 0.0 iSg 24 59.80 SOTA 1.49 308 iPgc 24 45.30 0.7 iSg 25 06.80 VBY 1.82 116 e(Pn) 24 49.90 0.6 e(Sn) 25 16.50 S.D. = 0.8 on 9 of 9 obs.									
? JUN 25, 1991 11h 52m 09.67±1.03s 16.571 N ±8.3km 61.618 W ±13.2km DEPTH = 10.0km (geophysicist) LEEWARD ISLANDS (92) ML 2.6 (FDF).					? JUN 25, 1991 13h 36m 29.07±1.13s 8.979 S ±31.5km 106.449 E ±15.7km DEPTH = 33.0km (normal) 4.4mb (4 obs.) SOUTH OF JAVA (282)					* JUN 25, 1991 14h 50m 47.54±3.95s 49.169 N ±27.6km 6.839 E ±12.3km DEPTH = 10.0km (geophysicist) GERMANY (543) MD 2.1 (STR).									
BPA 0.52 334 eP 52 20.25 -0.1 S 52 33.00 PAG 0.54 186 eP 52 21.20 0.5 S 52 36.50 DEG 0.59 116 eP 52 22.20 0.5 MGG 0.71 156 eP 52 22.70 -1.0 S.D. = 1.2 on 4 of 4 obs.					JUN 25, 1991 12h 23m 54.42±0.29s 40.189 N ±8.3km 63.119 E ±5.8km DEPTH = 33.0km (normal) 4.4mb (15 obs.) UZBEK SSR (339)					TRT 6.25 79 ePc 38 01.60 0.2 WB2 29.08 115 iPd 42 28.70 -0.3 0.8s 3.70nm 4.1mb ASPA 30.04 122 eP 42 37.70 0.1 1.7s 8.40nm 4.3mb KOD 34.59 303 eP 43 19.30 1.7 GBA 36.51 308 Pc 43 31.80 -1.7 0.6s 4.80nm 4.6mb STK 39.76 130 iPd 44 04.30 3.7X 0.8s 8.50nm 4.6mb e 44 14.10 S.D. = 1.7 on 5 of 6 obs.					GWf 0.55 110 Pg 50 58.63 0.0 CDF 0.81 159 Pg 51 02.85 -0.5				
MAIO 4.82 217 ePn 25 06.00 -0.6 0.8s 44.29nm eSn 25 59.00 QUE 10.46 161 e(P) 26 07.40 -17.9X GKN 21.51 118 P 28 42.30 -0.4 0.6s 18.00nm 4.7mb DMN 22.08 118 P 28 49.90 1.4 KKN 22.08 117 P 28 48.80 0.3 PKI 22.31 117 P 28 50.10 -0.8 0.7s 15.00nm 4.6mb GUN 22.41 116 P 28 51.60 -0.3 OBN 23.08 319 eP 28 54.00 -3.8X i 29 00.00 LR 39 40.00 VRI 27.04 294 ePd 29 36.50 1.1 MLR 27.60 293 Pc 29 42.50 1.9 KRA 31.62 303 eP 30 16.60 0.3 PRU 35.11 303 eP 30 47.00 0.6 BRG 35.45 304 eP 30 49.70 0.3 1.1s 10.00nm 4.7mb KHC 35.79 301 eP 30 52.50 0.2 CLL 36.03 305 eP 30 54.00 -0.2 NAO 37.82 321 P 31 08.00 -1.2 0.8s 4.40nm 4.4mb BSF 40.43 300 eP 31 30.60 -0.6 0.7s 5.50nm 4.4mb HAU 40.70 301 eP 31 32.60 -0.7 LPG 40.95 297 eP 31 36.60 1.0 0.7s 4.40nm 4.3mb LBF 42.48 300 eP 31 47.10 -0.8 1.0s 5.00nm 4.2mb SMF 42.65 299 eP 31 48.80 -0.5 SSF 42.78 300 eP 31 49.70 -0.6 1.0s 5.00nm 4.2mb AVF 42.94 299 eP 31 51.20 -0.4 1.0s 7.00nm 4.3mb					JUN 25, 1991 12h 23m 54.42±0.29s 40.189 N ±8.3km 63.119 E ±5.8km DEPTH = 33.0km (normal) 4.4mb (15 obs.) UZBEK SSR (339)					TRT 6.25 79 ePc 38 01.60 0.2 WB2 29.08 115 iPd 42 28.70 -0.3 0.8s 3.70nm 4.1mb ASPA 30.04 122 eP 42 37.70 0.1 1.7s 8.40nm 4.3mb KOD 34.59 303 eP 43 19.30 1.7 GBA 36.51 308 Pc 43 31.80 -1.7 0.6s 4.80nm 4.6mb STK 39.76 130 iPd 44 04.30 3.7X 0.8s 8.50nm 4.6mb e 44 14.10 S.D. = 1.7 on 5 of 6 obs.					* JUN 25, 1991 14h 50m 47.54±3.95s 49.169 N ±27.6km 6.839 E ±12.3km DEPTH = 10.0km (geophysicist) GERMANY (543) MD 2.1 (STR).				

WLS 0.83 156 Sg 51 13.78
Pg 51 02.80 -0.8
Sg 51 15.39
ECH 0.98 167 Pg 51 06.69 0.6
Sg 51 18.74
VITF 1.11 211 Pg 51 07.99 -0.3
Sg 51 23.14
MOF 1.33 171 Pg 51 12.93 0.7
FEL 1.51 148 Pn 51 15.23 0.5
S.D. = 0.7 on 7 of 7 obs.

& JUN 25, 1991 15h 16m 30.83s
63.001 N 150.670 W
DEPTH = 108.9km
CENTRAL ALASKA (1)
<AEIC>

HUR 0.47 92 iPc 16 47.26 -0.4
eS 16 59.66
TRF 0.48 21 iPc 16 47.58 -0.3
eS 17 00.06
KTH 0.57 349 iPc 16 48.09 -0.3
eS 17 00.93
CUT 0.63 163 iPc 16 48.60 -0.1
RND 0.92 63 iPc 16 51.02 -0.5
eS 17 05.94
MCK 1.07 46 ePc 16 52.59 -0.4
eS 17 09.17
SKT 1.10 202 iPd 16 53.03 -0.3
eS 17 09.72
BWN 1.29 24 ePd 16 55.45 0.0
PWA 1.40 164 iPc 16 56.40 -0.4
GHO 1.48 146 iPc 16 57.58 -0.2
eS 17 18.42
SUA 1.54 181 ePc 16 58.37 -0.2
PMR 1.59 152 iPc 16 58.20 -0.8
PLRM 1.59 152 ePc 16 58.20 -0.8
SML 1.62 137 iPc 16 58.82 -0.6
NEA 1.73 23 iPd 16 59.92 -0.9
NCG 1.75 204 ePd 17 00.52 -0.6
CGLM 1.81 201 ePd 17 01.29 -0.6
PMS 1.84 163 ePc 17 01.62 -0.6
WRH 1.87 37 iPd 17 01.79 -0.8
CRP 1.88 203 ePd 17 02.44 -0.4
KNK 1.90 146 ePc 17 02.11 -0.9
BGL 1.92 206 eP 17 03.50 0.1
SPU 1.94 200 eP 17 03.02 -0.5
SCM 1.95 126 ePc 17 02.55 -1.1
eS 17 27.76
CKL 1.97 204 ePc 17 03.79 -0.2
CCB 2.08 36 iPd 17 04.38 -0.9
MDM 2.24 28 iPd 17 06.48 -0.9
THY 2.27 77 eP 17 07.59 -0.2
TOA 2.27 111 iPc 17 07.50 -0.3
NKA 2.28 187 eP 17 09.73 1.8
FBA 2.29 32 iPd 17 07.50 -0.5
0.4s 68.10nm
PAX 2.37 88 ePd 17 08.73 -0.5
eS 17 37.09
SDG 2.41 99 ePc 17 09.18 -0.4
TTA 2.44 271 iPd 17 09.30 -0.8
GLM 2.46 34 iPd 17 09.52 -0.9
SLKM 2.51 175 eP 17 10.75 -0.3
RDT 2.57 199 ePd 17 11.62 -0.2
DFR 2.60 203 eP 17 11.27 -1.0
TZL 2.62 109 eP 17 12.04 -0.3
NCT 2.67 205 eP 17 13.00 -0.2
RDN 2.69 203 eP 17 12.73 -0.7
KLU 2.69 122 ePc 17 11.50 -1.9
REF 2.70 202 eP 17 13.14 -0.5
GLI 2.72 140 ePc 17 11.95 -1.8
RDW 2.72 203 eP 17 13.73 -0.3
RS2 2.73 202 eP 17 13.83 -0.3
RSO 2.73 202 eP 17 14.05 -0.1
VZW 2.75 133 ePc 17 12.21 -2.0
VLZ 2.77 131 ePc 17 12.17 -2.2
SEW 2.97 168 eP 17 16.04 -1.0
NNL 2.98 186 eP 17 18.39 1.1
KNIM 3.01 151 ePc 17 15.33 -2.3
SVW 3.01 233 iPc 17 17.10 -0.6
LTI 3.26 154 iPc 17 18.88 -2.2
IMA 3.34 338 iPd 17 21.00 -1.3
MTU 3.35 153 eP 17 20.33 -2.0
HOM 3.39 188 eP 17 22.78 0.0
CNPM 3.50 185 ePd 17 23.65 -0.6
GLB 3.57 113 ePc 17 23.75 -1.6
XLV 3.60 189 eP 17 24.52 -1.1

CDD 4.33 201 eP 17 34.28 -1.4
TGL 4.34 118 eP 17 34.28 -1.6
BALM 4.39 113 iPc 17 34.00 -2.5
SYI 4.49 192 eP 17 36.74 -1.0
KDC 5.35 191 eP 17 47.20 -2.3
INK 8.84 46 eP 18 35.00 -2.1
66 obs. associated

* JUN 25, 1991 17h 53m 25.85±2.08s
6.431 S ±10.8km 129.968 E ±11.7km
DEPTH = 129.8 ± 22.5 km
4.9mb (9 obs.)

BANDA SEA (280)

MTN 6.48 170 iPc 55 01.00 0.9
KNA 9.34 187 eP 55 38.50 -0.1
iS 57 19.00
WB2 14.09 163 iPd 56 38.40 -2.5
0.4s 155.60nm 5.6mb X
eS 59 06.80
QIS 16.87 147 eP 57 15.00 -0.6
iS 57 17.00
iS 00 12.80
PMG 17.28 101 eP 57 21.00 0.4
ASPA 17.55 168 iPd 57 24.20 0.2
0.5s 122.40nm 5.4mb X
iS 57 51.40
eS 59 59.00
eS 00 30.60
eS 00 51.50
WARB 19.90 189 eP 57 51.50 2.1
0.4s 14.00nm 4.7mb
CTAO 20.84 132 iPd 58 01.00 2.0
1.0s 15.00nm 4.3mb
iS 59 34.00
e(S) 01 36.00
KLB 27.51 203 eP 59 03.00 0.9
STK 27.55 158 eP 59 00.10 -2.3
1.0s 1.60nm 3.6mb X
eS 59 26.60
eS 04 18.10
PSI 32.29 285 ePc 59 52.20 7.6X
CHG 39.55 310 ePc 00 46.80 0.8
0.9s 19.33nm 4.9mb
XAN 44.91 335 P 01 28.70 -0.6
LSA 51.77 316 P 02 23.60 0.7
GTA 53.46 331 eP 02 35.00 0.2
1.0s 10.00nm 4.7mb
GUN 54.56 311 Pc 02 43.24 -0.2
0.5s 29.00nm 5.5mb
PKI 54.73 310 Pc 02 44.04 -0.6
0.7s 15.00nm 5.0mb
KKN 54.95 310 Pc 02 45.64 -0.4
DMN 54.98 310 Pc 02 45.96 -0.4
GKN 55.54 310 Pc 02 49.84 -0.4
0.4s 15.00nm 5.3mb
GBA 55.82 291 Pc 02 50.70 -1.5
0.5s 8.10nm 4.9mb
WMO 62.90 327 Pd 03 41.50 1.0
0.6s 10.00nm 4.9mb
PP 04 13.30
YAK 68.24 360 iPc 04 14.00 -0.1
MAIO 78.30 309 eP 05 15.00 1.6
MLR 104.39 315 ePd i f 07 16.50 -0.8
CNCB 150.87 143 ePKP 13 03.00 2.8X
i 13 08.80
LPB 151.02 142 ePKP 13 08.00 -0.2
ZOBO 151.20 142 PKP 13 08.90 8.2X
S.D. = 1.2 on 25 of 28 obs.

* JUN 25, 1991 18h 03m 57.52±0.92s
40.726 N ± 8.1km 27.906 E ± 9.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 2.7 (ISK).

BNT 0.37 178 ePg 04 05.00 -0.1
EDC 0.38 185 ePg 04 05.50 0.2
iSg 04 11.50
KGT 0.54 239 iPg 04 08.30 0.0
CTT 0.58 43 iPn 04 09.30 0.1
ISK 0.94 68 ePn 04 15.30 -0.1
S.D. = 0.2 on 5 of 5 obs.

* JUN 25, 1991 18h 14m 23.55±0.57s
3.860 S ±11.4km 134.765 E ±11.7km
DEPTH = 33.0km (normal)

5.2mb (4 obs.)
WEST IRIAN REGION (196)

LAT 12.49 103 e(P) 17 21.70 -0.2
PMG 13.48 115 e(P) 17 41.00 6.0X
WB2 15.99 181 eP 18 07.80 0.0
0.8s 5.30nm 3.7mb X
eS 20 57.10
QIS 17.25 165 eP 18 28.00 4.3X
iS 21 23.00
CTAO 19.64 146 iPc 18 58.00 5.4X
i 20 41.50
e 21 05.00
ASPA 19.71 182 iPc 18 57.70 4.3X
0.7s 153.50nm 5.4mb
i 19 13.20
iPcP 21 30.60
eS 24 47.10
RMO 26.19 151 e(P) 20 22.00 24.9X
i 21 45.70
DZM 35.65 123 iPc 21 34.10 13.2X
BJI 46.91 340 eP 22 52.50 -0.2
GUN 56.67 307 P 24 06.58 -0.2
0.8s 24.00nm 5.3mb
PKI 56.90 306 P 24 07.48 -1.0
KKN 57.09 307 P 24 09.40 -0.3
0.9s 21.00nm 5.2mb
DMN 57.16 306 P 24 09.96 -0.2
0.9s 22.00nm 5.2mb
GKN 57.70 307 P 24 13.66 -0.2
YAK 65.80 357 eP 25 07.80 0.4
MAIO 80.47 308 eP 26 36.00 1.9
CNCB 149.56 133 PKP 34 17.90 9.8X
LPB 149.65 132 PKP 34 21.00 12.9X
ZOBO 149.80 132 iPKPc 34 19.00 10.5X
S.D. = 0.8 on 10 of 19 obs.

* JUN 25, 1991 18h 15m 08.43±0.85s
6.933 S ±13.1km 124.068 E ±19.3km
DEPTH = 33.0km (normal)

BANDA SEA (280)

KNA 9.90 153 eP 17 31.30 -0.2
e 19 53.00
PPR 17.43 342 iPc 19 10.00 -0.8
GUA 29.02 46 eP 21 12.50 4.8X
1.0s 248.00nm 5.9mb X
GUMO 29.02 45 e(P) 21 08.10 0.4
PJG 29.02 45 eP 21 13.10 5.4X
BRS 33.99 130 e(P) 21 44.00 -7.4X
SHL 44.97 317 eP 23 23.50 0.7
QUE 66.00 307 eP 25 54.40 0.0
S.D. = 0.8 on 5 of 8 obs.

JUN 25, 1991 18h 16m 44.76±0.85s
4.408 S ± 5.3km 152.932 E ± 6.2km
DEPTH = 53.3 ± 7.4 km
5.1mb (13 obs.) 4.4Msz (1 obs.)
NEW BRITAIN REGION (192)

RAB 0.79 286 iPc 17 00.00 0.1
PMG 7.59 229 eP 18 37.00 1.6
SVO 8.30 125 eP 18 45.00 -0.2
eS 20 16.00
HNR 8.57 126 eP 18 49.00 0.1
eS 20 24.00
GUMO 19.59 336 eP 21 12.80 1.3
1.0s 224.00nm 5.4mb
eS 25 18.00
WB2 23.79 228 iPc 21 54.40 0.7
0.5s 74.90nm 5.4mb
e 26 07.00
COO 26.05 182 e(P) 22 14.00 -1.0
KNA 26.29 243 iPd 22 20.20 2.9X
ASPA 26.53 222 eP 22 18.70 -0.8
1.2s 20.00nm 4.6mb
STK 29.33 200 eP 22 42.70 -2.0
0.7s 2.00nm 3.9mb X
i 22 52.30
WARB 33.20 227 eP 23 18.30 -0.5
FORR 35.20 219 iPc 23 34.80 -1.1
YAMJ 44.02 345 P 24 48.80 -0.1
OFUJ 44.50 347 P 24 52.40 -0.4
SSE 46.52 322 Pd 25 10.00 1.2
1.2s 30.00nm 5.1mb
sP 25 27.00
NJ2 48.63 321 Pd 25 25.00 -0.3

25d 18h

ASAJ	49.18	350	eP	25	29.70	0.3
WHN	50.67	316	ePd	25	42.50	1.5
			PP	25	52.50	
TIA	52.48	323	eP	25	54.50	-0.1
MDJ	53.10	339	eP	25	58.50	-0.6
	1.0s	30.00nm			5.3mb	
CN2	54.00	336	Pc	26	04.80	-0.8
	1.0s	20.00nm			5.1mb	
BJI	55.64	326	eP	26	16.50	-1.2
	1.0s	7.00nm			4.6mb	
TIY	56.30	322	eP	26	21.00	-1.6
XAN	56.43	316	P	26	23.10	-0.5
CD2	58.58	310	eP	26	39.20	0.4
HHC	58.81	324	P	26	40.30	0.1
BTO	59.57	323	eP	26	44.00	-1.5
LZH	61.04	316	eP	26	55.00	-0.7
	1.3s	50.00nm			5.5mb	
Z	20s	0.25um			4.4msz	
		PP		27	07.50	
		sP		27	11.50	
GTA	65.46	317	eP	27	25.60	0.9
	1.2s	20.00nm			5.0mb	
		PcP		27	56.60	
SHL	66.22	300	eP	27	29.50	-0.4
YAK	68.60	348	iPc	27	43.20	-0.7
GUN	72.03	301	P	28	06.06	0.1
PKI	72.35	301	P	28	06.24	-1.5
KKN	72.51	301	P	28	08.68	0.1
DMN	72.62	301	P	28	08.52	-0.7
GKN	73.12	301	P	28	11.98	-0.1
	0.5s	16.00nm			5.2mb	
WMO	75.54	317	eP	28	26.40	0.8
	1.2s	10.00nm			4.6mb	
FBA	81.47	22	eP	28	55.50	-1.9
	1.1s	21.88nm			5.0mb	
INK	88.04	21	eP	29	29.00	-1.2
QUE	88.72	300	eP	29	34.70	0.2
MBC	93.70	14	eP	29	56.00	-0.4
	1.4s	13.00nm			5.2mb	
HFS	116.36	339	ePKP	35	22.00	-1.8
	0.6s	1.10nm				
NAO	116.88	340	PKP	35	23.90	-0.9
	0.6s	1.10nm				
BRG	122.39	331	ePKP	35	36.70	1.1
	1.1s	10.00nm				
		i		35	47.40	
CLL	122.57	331	ePKP	35	36.00	0.1
		i		35	47.10	
PRU	122.65	329	ePKP	35	36.50	0.4
KHC	123.68	329	PKP	35	38.00	-0.2
	1.2s	5.00nm				
		e		35	49.50	
EKA	125.70	343	PKP	35	43.00	1.1
	0.6s	2.30nm				
WTTA	125.86	328	ePKP	35	42.00	-0.7
	1.0s	17.90nm				
		i		35	53.10	
CDF	127.26	332	ePKP	35	45.30	0.1
BSF	127.90	332	ePKP	35	46.60	0.1
HAU	127.99	332	ePKP	35	46.80	0.3
LPL	129.56	330	ePKP	35	50.50	0.6
LPG	129.56	329	ePKP	35	50.60	0.6
LOR	129.67	333	ePKP	35	50.50	0.7
LBF	129.83	333	ePKP	35	50.70	0.6
SSF	129.99	333	ePKP	35	51.20	0.9
	1.4s	17.45nm				
SMF	130.14	332	ePKP	35	51.20	0.5
	1.2s	14.90nm				
LDF	130.33	337	ePKP	35	51.40	0.5
FLN	130.33	337	ePKP	35	51.20	0.3
BGF	130.66	333	ePKP	35	52.40	0.8
GRR	130.78	337	ePKP	35	52.40	0.6
	1.5s	57.45nm				
MAF	131.05	333	ePKP	35	53.30	0.9
LPF	131.15	337	ePKP	35	53.40	0.9
	1.0s	16.00nm				
TCF	131.16	333	ePKP	35	53.50	0.9
MFF	131.93	335	ePKP	35	54.80	0.8
SIV	140.72	122	ePKP	36	04.00	-7.4X
IFR	144.55	327	iPKPd	36	16.80	-0.9
PPD	144.60	139	ePKP	36	16.90	-1.0
		e		36	36.10	
VAO	146.54	145	ePKP	36	23.40	2.2
		e		36	33.80	
TIO	147.69	327	iPKP	36	26.50	3.6X
		i		36	37.50	
BAO	151.27	134	ePKPd	36	30.00	1.2

S.D. = 0.9 on 69 of 72 obs.

% JUN 25, 1991 18h 33m 34.48 ± 0.79s
40.701 N ± 8.7km 28.109 E ± 9.2km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.7 (ISK).

BNT	0.37	203	ePg	33	42.00	-0.2
EDC	0.40	208	ePg	33	42.50	-0.2
CTT	0.51	28	iPg	33	44.50	-0.3
			eSg	33	52.80	
KGT	0.66	248	iPg	33	48.00	0.3
HRT	1.19	84	ePn	33	57.00	0.3

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

? JUN 25, 1991 19h 04m 10.21 ± 13.96s
8.667 S ± 116.0km 128.058 E ± 47.4km
DEPTH = 191.6 ± 43.4 km
4.7mb (3 obs.)

TIMOR SEA (290)

MTN	5.13	144	iPd	05	27.20	0.4
			eS	06	28.00	
KNA	7.07	174	iPc	05	51.70	-0.5
			iS	07	17.70	
WB2	12.76	152	eP	07	04.60	-1.4
	0.9s	27.90nm			4.7mb	
		i		07	11.90	
		iS		09	29.70	

ASPA	15.93	160	iPc	07	46.90	1.4
	0.5s	107.00nm			5.5mb X	
		eS		10	44.50	

QIS	16.25	138	iPc	07	49.80	0.4
	0.5s	18.00nm			4.7mb	
		eS		10	50.00	

WARB	17.47	184	eP	08	04.00	0.4
STK	26.30	153	eP	09	29.30	-0.6
	0.4s	3.30nm			4.4mb	

S.D. = 1.3 on 7 of 7 obs.

* JUN 25, 1991 20h 26m 55.95 ± 1.20s
43.181 N ± 13.1km 147.317 E ± 14.4km
DEPTH = 33.0km (normal)
4.5mb (3 obs.)

KURIL ISLANDS (221)

KUSJ	1.91	268	iPd	27	24.70	-2.1
			eS	27	46.60	
HOOJ	3.07	256	eP	27	44.80	1.5
			eS	28	20.80	
ASAJ	3.52	287	eP	27	50.50	0.8
MRRJ	4.66	263	eP	28	05.70	0.0
			eS	28	56.80	

AOMJ	5.81	246	P	28	22.00	0.0
OFUJ	5.91	228	P	28	22.30	-1.2
			eS	29	24.40	

YAMJ	7.46	230	eP	28	45.40	0.2
			eS	30	02.90	
PIP	33.50	231	iPc	33	35.50	1.1

WRA	63.94	194	P	37	44.00	16.1X
	1.2s	1.50nm				
HFS	70.26	337	eP	38	06.90	-0.5
	0.3s	1.70nm			4.6mb	

NAO	70.46	339	P	38	09.00	0.4
	0.8s	4.10nm			4.5mb	
CLL	77.87	333	eP	38	52.00	0.5

EKA	78.70	343	Pc	38	55.20	-0.8
	0.4s	1.60nm			4.4mb	

S.D. = 1.1 on 12 of 13 obs.

JUN 25, 1991 20h 34m 57.90 ± 0.56s
21.531 N ± 3.6km 94.020 E ± 3.4km
DEPTH = 55.0 ± 5.3 km
5.0mb (53 obs.) 3.9msz (3 obs.)

BURMA (296)

SHL	4.47	334	iP	36	06.00	1.1
			iS	36	54.50	
CHG	5.36	119	iPn	36	18.30	1.0
			eSg	37	42.00	
BDT	6.35	131	ePg	36	30.00	-1.1
KHT	7.99	146	eP	36	54.70	0.7
LSA	8.54	343	Pd	37	02.70	0.8
			S	38	37.50	

KMI	8.77	64	Pc	37	10.00	5.0X
	1.5s	50.00nm			5.2mb	

Z	10s	1.10um			4.6msz	
GUN	9.75	312	P	37	17.52	-1.0
PKI	9.88	309	P	37	18.64	-1.6
KKN	10.10	310	P	37	21.86	-1.3
DMN	10.12	308	P	37	22.30	-1.2
NNT	10.43	148	eP	37	28.00	0.5
			e	39	24.60	
GKN	10.68	309	P	37	29.68	-1.4
GYA	12.55	65	P	38	00.00	3.9X
			PP	38	10.00	
CD2	12.78	41	eP	38	00.70	1.6
E	13s	1.20um				
QIZ	15.05	97	P	38	29.60	0.8
HYB	15.15	257	eP	38	29.00	-1.0
			eS	41	05.00	
SNG	15.63	155	eP	38	40.90	4.7X
NDI	16.79	298	eP	38	51.00	0.1
			eS	41	39.00	
LZH	16.85	28	eP	38	51.00	-0.7
	1.2s	27.00nm			4.3mb	
XAN	18.11	43	P	39	05.60	-1.6
			S	42	28.00	
IPM	18.17	157	ePc	39	15.20	7.2X
	0.9s	26.70nm			4.4mb	
GTA	18.50	14	eP	39	12.20	0.2
Z	14s	0.40um				
N	11s	0.30um				
		PP		39	18.00	
		S		42	36.00	
		sS		42	45.00	
		ScS		50	49.00	
POO	19.18	265	eP	39	27.50	7.4X
PSI	19.32	165	ePd	39	29.50	7.9X
KOD	19.46	237	eP	39	34.60	11.1X
WHN	20.33	60	Pd	39	33.50	1.4
			PP	39	42.50	
			eS	43	12.00	
KGM	21.41	154	ePc	39	45.00	1.8
TIY	22.65	41	eP	39	53.00	-2.5
Z	24s	0.50um			3.9msz X	
N	12s	0.30um				
		S		43	58.00	
WMO	22.84	348	Pd	39	58.50	1.2
	1.0s	30.00nm			4.7mb	
Z	16s	0.30um			3.8msz X	
N	10s	0.30um				
		S		44	03.50	
		sS		44	14.50	
		SS		44	45.00	
BTO	23.36	32	eP	40	03.00	0.7
	13s	0.60um				
E	13s	0.20um				
		eS		44	03.00	
KSH	23.60	323	Pd	40	07.00	2.3
			PP	40	17.00	
HHC	24.33	34	P	40	15.40	3.6X
NJ2	24.47					

2.6s 17.90nm 4.7mb
 WB2 57.04 133 iPc 44 40.00 -0.9
 0.3s 20.70nm 5.7mb
 ELL 57.05 301 iP 44 41.10 0.1
 HRT 57.08 305 eP 44 41.00 0.0
 MUN 57.29 158 iPd 44 41.60 -0.8
 KLB 57.51 156 eP 44 43.00 -0.9
 COOL 58.26 153 eP 44 48.00 -1.2
 NWA0 58.52 157 eP 44 50.00 -0.9
 ISR 59.32 311 iPc 44 57.00 0.4
 ASPA 59.37 137 iPd 44 56.60 -0.5
 0.6s 13.30nm 5.2mb
 MLR 59.74 311 iP 45 00.00 0.4
 PVL 60.24 308 eP 45 03.00 0.2
 KDZ 60.26 307 eP 45 03.00 0.0
 PLD 60.76 307 iPd 45 06.00 -0.4
 RZN 60.78 307 iPd 45 06.00 -0.8
 QIS 61.10 130 iPc 45 08.70 -0.2
 0.3s 5.00nm 5.1mb
 NUR 61.35 328 iP 45 09.40 -0.7
 0.7s 14.70nm 5.2mb
 MMB 61.52 307 eP 45 10.00 -1.7
 SOD 61.64 336 iP 45 11.70 -0.3
 VTS 61.84 308 iPd 45 14.00 0.1
 KKB 61.98 307 iPc 45 13.00 -1.7
 KEV 62.06 339 iP 45 14.00 -0.7
 VAY 62.41 306 eP 45 16.80 -0.7
 SKO 63.20 307 iP 45 22.00 -0.7
 1.0s 39.00nm 5.5mb
 SPC 63.51 315 eP 45 24.70 -0.2
 KRA 63.67 316 eP 45 25.00 -0.6
 OHR 63.76 306 eP 45 25.00 -1.5
 1.2s 72.00nm 5.6mb
 UZD 64.81 312 e(P) 45 33.00 -0.1
 UPP 64.82 327 iP 45 31.50 -1.4
 SRO 64.88 314 iP 45 32.50 -1.1
 ZST 65.66 314 eP 45 38.20 -0.4
 HFS 66.78 328 eP 45 44.20 -1.3
 0.6s 11.40nm 5.1mb
 Z 19s 0.05um 3.7msz
 LR 14 24.00
 PRU 67.14 316 Pd 45 49.20 1.2
 1.1s 10.70nm 4.8mb
 e 46 09.00
 VBY 67.23 312 eP 45 49.00 0.3
 TDS 67.34 305 P 45 49.60 0.2
 BRG 67.42 317 iPd 45 49.60 -0.1
 1.1s 20.00nm 5.0mb
 CZI 67.57 305 P 45 51.00 0.1
 CEY 67.78 312 ePd 45 52.00 -0.1
 SOI 67.84 304 P 45 52.90 0.4
 KHC 67.87 316 iPd 45 52.50 -0.2
 1.2s 7.50nm 4.6mb
 CLL 67.96 318 iPd 45 52.70 -0.4
 1.3s 19.00nm 4.9mb
 VOY 68.10 312 ePd 45 54.00 -0.2
 NAO 68.15 328 P 45 52.50 -1.6
 0.9s 10.70nm 4.8mb
 BHG 68.53 314 eP 45 56.60 -0.2
 MOX 68.92 317 iP 45 59.30 0.2
 1.3s 20.00nm 4.9mb
 ARV 69.19 310 P 46 01.10 0.2
 WTTA 69.44 314 iPd 46 01.70 -0.8
 0.4s 7.50nm 5.0mb
 CTI 69.64 313 P 46 03.30 -0.4
 CRE 69.87 310 P 46 05.50 0.4
 SFI 69.89 310 P 46 05.40 0.4
 STK 69.96 138 iPc 46 05.60 0.0
 0.6s 3.50nm 4.5mb
 PGD 69.99 310 P 46 07.40 1.5
 MME 70.65 311 P 46 10.80 0.7
 PII 70.87 310 P 46 10.20 -0.8
 MTD 72.06 243 iPd 46 18.50 -0.2
 PCP 72.09 311 P 46 17.58 -0.9
 CDF 72.10 316 iPd 46 18.20 -0.3
 1.1s 19.55nm 4.9mb
 PGF 72.21 309 iPd 46 19.40 0.1
 1.1s 39.05nm 5.3mb
 FIN 72.40 311 P 46 19.11 -1.1
 MEM 72.44 318 P 46 20.70 0.5
 BSF 72.55 315 iPd 46 20.60 -0.5
 1.1s 12.20nm 4.7mb
 ROB 72.61 311 P 46 20.86 -0.7
 IMI 72.69 311 P 46 21.68 -0.3
 HAU 72.80 315 iPd 46 22.10 -0.4
 1.0s 14.00nm 4.8mb
 LSD 72.84 313 P 46 23.22 0.1

RSP 72.84 312 P 46 21.78 -1.2
 BHB 72.91 312 P 46 22.19 -1.0
 ENR 72.94 311 P 46 22.40 -1.1
 STV 73.01 311 P 46 22.40 -1.5
 SBF 73.02 311 iPd 46 23.90 0.0
 1.1s 24.40nm 5.0mb
 PZZ 73.10 312 P 46 23.73 -0.8
 LPG 73.11 313 iPd 46 24.90 0.2
 0.9s 15.55nm 4.9mb
 LPL 73.12 313 iPd 46 25.00 0.3
 0.9s 30.30nm 5.2mb
 RRL 73.22 312 P 46 24.55 -0.8
 BNI 73.27 312 P 46 25.50 0.1
 FRF 73.65 311 iPd 46 27.70 0.2
 1.1s 29.30nm 5.1mb
 KRI 73.73 244 iPd 46 28.40 -0.1
 LMR 73.80 311 iPd 46 28.60 0.2
 1.1s 24.40nm 5.0mb
 LRG 73.87 311 iPd 46 29.40 0.6
 1.1s 36.65nm 5.2mb
 LBF 74.61 315 iPd 46 32.80 -0.2
 0.9s 17.20nm 5.0mb
 LOR 74.61 315 iPd 46 32.80 -0.2
 1.2s 14.90nm 4.8mb
 SMF 74.78 314 iPd 46 33.90 -0.1
 0.9s 27.85nm 5.2mb
 SSF 74.90 315 iPd 46 34.70 0.0
 0.9s 24.55nm 5.1mb
 AVF 75.07 315 iPd 46 35.50 -0.1
 1.1s 32.95nm 5.2mb
 BGF 75.47 315 iPd 46 37.90 0.0
 0.7s 6.60nm 4.7mb
 MAF 75.75 314 iPd 46 40.00 0.4
 1.0s 20.00nm 5.0mb
 TCF 75.97 314 iPd 46 41.20 0.4
 0.9s 20.45nm 5.1mb
 BUL 76.16 242 iPd 46 43.10 0.7
 LSF 76.43 315 iPd 46 43.40 0.0
 CAF 76.45 313 iPd 46 44.10 0.5
 1.1s 15.85nm 4.9mb
 EKA 76.53 324 Pd 46 43.80 0.1
 1.1s 9.10nm 4.7mb
 RJF 76.71 314 iPd 46 45.70 0.7
 1.1s 22.00nm 5.1mb
 LDF 76.81 317 iPd 46 45.40 0.0
 1.1s 17.10nm 5.0mb
 CAN 76.88 137 eP 46 46.50 0.5
 FLN 76.98 317 eP 46 46.20 -0.2
 LPO 77.12 313 iPd 46 47.80 0.6
 0.7s 13.25nm 5.1mb
 GRR 77.34 317 iPd 46 48.40 0.1
 1.1s 14.65nm 4.9mb
 LFF 77.35 313 iPd 46 49.10 0.6
 1.0s 24.00nm 5.2mb
 MFF 77.43 315 iPd 46 49.00 0.1
 1.1s 12.20nm 4.8mb
 LPF 77.56 317 iPd 46 49.90 0.3
 1.1s 19.55nm 5.0mb
 BFT 77.80 236 iPd 46 53.00 1.5
 0.5s 11.97nm 5.2mb
 SLR 79.19 237 iPd 46 59.90 0.9
 MBC 80.32 8 ePd 47 03.60 -0.4
 0.8s 6.00nm 4.6mb
 KSR 80.34 237 eP 47 05.50 0.3
 0.8s 18.75nm 5.1mb
 SEK 81.00 235 e(P) 47 10.20 1.6
 0.7s 6.85nm 4.7mb
 FBA 81.81 22 eP 47 11.70 -0.3
 1.0s 15.00nm 4.9mb
 BLF 82.48 235 iPd 47 16.00 -0.3
 WIN 86.82 244 iPc 47 40.00 1.8
 0.9s 21.01nm 5.3mb
 PPD 147.84 263 ePKP 54 39.90 4.0X
 ZOBO 162.32 284 PKP 54 56.80 1.2
 S.D. = 1.0 on 152 of 162 obs.
 & JUN 25, 1991 21h 02m 13.63s
 37.209 N 110.358 W
 DEPTH = 1.3km
 UTAH (478)
 <SLC-P>. MD 3.0 (SLC).
 MSU 1.94 313 eP 02 46.30 -2.0
 1 obs. associated
 ? JUN 25, 1991 21h 29m 19.08±2.61s
 44.642 N ±10.2km 6.741 E ±21.0km

DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 1.6 (GEN).
 RRL 0.28 6 P 29 25.13 0.1
 S 29 28.33
 PZZ 0.29 118 P 29 25.64 0.4
 S 29 29.68
 BHB 0.42 62 P 29 27.56 -0.2
 S 29 32.05
 ENR 0.64 130 P 29 31.67 -0.3
 S 29 40.32
 S.D. = 0.5 on 4 of 4 obs.
 ? JUN 25, 1991 22h 12m 50.44±4.63s
 16.935 N ±18.3km 60.217 W ±33.6km
 DEPTH = 10.0km (geophysicist)
 LEEWARD ISLANDS (92)
 ML 2.8 (FDF).
 DEG 1.02 233 eP 13 09.84 0.1
 S 13 18.90
 SFG 1.16 234 eP 13 11.70 -0.4
 SEG 1.34 247 eP 13 15.40 0.2
 MGG 1.46 226 eP 13 16.99 0.2
 S 13 31.60
 BPA 1.57 274 eP 13 18.40 -0.1
 PAG 1.67 238 eP 13 19.90 0.0
 S 13 36.40
 BBL 1.85 221 eP 13 22.50 -0.1
 S.D. = 0.2 on 7 of 7 obs.
 ? JUN 25, 1991 22h 34m 59.54±1.10s
 42.490 N ±8.9km 13.281 E ±10.9km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)
 AQU 0.16 146 P 35 03.20 -0.1
 eSg 35 06.70
 MNS 0.46 257 P 35 09.20 0.3
 eSg 35 17.30
 ASS 0.74 322 P 35 13.00 -1.1
 eSg 35 25.20
 ARV 1.04 346 P 35 20.00 0.8
 eSg 35 36.30
 S.D. = 1.4 on 4 of 4 obs.
 JUN 25, 1991 23h 01m 03.35±0.61s
 42.838 N ±4.6km 111.232 W ±4.6km
 DEPTH = 5.0km (geophysicist)
 EASTERN IDAHO (457)
 ML 3.2 (GS).
 ALPW 0.36 29 ePc 01 11.10 0.5
 CHOI 0.47 2 eP 01 12.59 -0.3
 S 01 18.99
 REDW 0.59 28 ePd 01 15.49 0.2
 BEAW 0.61 48 ePc 01 16.10 0.4
 S 01 24.46
 PINI 0.67 353 eP 01 16.15 -0.7
 TPAW 0.68 17 eP 01 16.55 -0.5
 SNOW 0.71 29 eP 01 17.76 0.1
 MUDI 0.79 8 ePd 01 18.69 -0.6
 AVOW 0.83 21 P 01 19.00 -1.1
 PTI 0.84 273 eP 01 20.00 -0.1
 LOHW 0.90 30 ePd 01 20.88 -0.3
 S 01 22.91
 TARW 0.94 11 eP 01 21.18 -0.7
 BW06 1.24 92 eP 01 28.00 1.0
 HPI 1.62 303 eP 01 33.50 0.6
 LTMT 1.80 340 ePn 01 35.60 0.0
 MCMT 2.31 330 ePn 01 44.20 1.3
 DAU 2.42 180 eP 01 43.50 -1.1
 BGMT 2.46 347 ePn 01 46.20 1.1
 LRM 3.11 344 ePn 01 57.30 3.1X
 HBMT 3.11 342 ePn 01 57.50 3.2X
 S.D. = 0.8 on 18 of 20 obs.
 JUN 25, 1991 23h 06m 57.21±0.88s
 5.244 N ±3.1km 72.912 W ±3.0km
 DEPTH = 13.5 ±5.5 km
 5.1mb (52 obs.) 4.8msz (10 obs.)
 COLOMBIA (103)
 Felt at Bogoto, Villavicencio,
 Bucaramanga and in northeastern
 Colombia.
 CENTROID, MOMENT TENSOR (HRV)

25d 23h

Data Used: GDSN
 L.P.B.: 13S, 23C
 Centroid Location:
 Origin Time 23:07:11.7 2.1
 Lat 5.76N 0.15 Lon 72.90W 0.20
 Dep 15.0 FIX Half-duration 1.8
 Moment Tensor: Scale 10**16 Nm
 Mrr= 0.64 0.53 Mlt= 7.34 0.51
 Mff=-7.98 0.82 Mrt= 0.00 0.00
 Mrf= 0.00 0.00 Mtf=-0.40 0.52
 Principal Axes:
 T Val= 7.35 Plg= 0 Azm=182
 N 0.64 90 180
 P -7.99 0 92
 Best Double Couple: Ma=7.7*10**16
 NP1: Strike=227 Dip=90 Slip=-180
 NP2: 317 90 0

FUO 0.85 285 iP 07 12.50 -1.0
 BOG 1.30 242 iPc 07 22.50 1.2
 BMG 1.82 355 iS 07 39.50
 HOBG 3.33 255 iPc 07 32.00 3.5X
 HUBC 3.59 248 P 07 50.98 0.9
 UAV 3.59 248 P 07 54.82 1.0
 3.78 28 iPnd 08 01.30 4.8X
 iSn 08 46.80
 CLMC 3.88 250 iPc 07 58.62 0.6
 HOOC 4.11 245 P 08 01.10 -0.1
 SILC 4.26 234 iPc 08 03.97 0.4
 SDV 4.27 32 iPnd 08 06.50 3.0X
 iSn 09 18.50
 ANCC 4.30 247 iPd 08 04.16 0.3
 PURC 4.50 230 iPc 08 07.59 0.5
 TOV 5.47 34 ePn 08 22.40 2.0
 iSn 09 27.80
 CEOS 5.90 50 iP 08 27.50 1.1
 PSO 5.97 228 eP 08 27.50 -0.2
 CUMC 6.53 229 iPc 08 35.89 0.1
 MORO 7.21 39 iP 08 46.10 1.2
 ANGL 7.26 220 eP 09 02.50 16.5X
 UPA 7.55 300 ePc 08 48.80 -0.7
 i 08 54.10
 i 10 31.50
 OLLA 7.69 52 iP 08 52.00 0.3
 iS 10 19.70
 YANA 7.76 227 eP 08 55.00 2.0
 QUR 7.77 226 eP 08 55.20 2.1
 GGP 7.82 227 P 08 55.80 1.8
 CAR 7.90 48 iP 08 55.90 1.2
 iS 10 21.60
 LLAV 7.97 49 iP 08 55.80 0.2
 eS 10 20.80
 GUAN 8.59 57 iP 09 04.00 -0.2
 TCE 12.31 63 eP 09 53.31 -1.7
 TPP 12.42 65 eP 09 57.07 0.5
 TRN 12.60 64 eP 09 57.66 -1.2
 TBH 12.83 65 eP 10 01.37 -0.7
 PCJ 13.10 342 iP 10 12.00 6.4X
 HOJ 13.22 344 eP 10 14.09 6.9X
 STH 13.31 344 eP 10 15.73 7.3X
 eS 12 56.73
 SPJ 13.46 341 eP 10 15.67 5.2X
 eS 12 55.67
 MGP 13.90 24 P 10 16.00 -0.2
 PORP 14.13 25 P 10 18.00 -1.2
 LRS 14.26 24 P 10 19.00 -1.9
 SJG 14.40 27 e(P) 10 20.00 -2.7X
 CPD 14.44 28 P 10 21.00 -2.3
 FDF 14.93 50 eP 10 29.20 -0.5
 BBL 15.18 47 eP 10 30.00 -3.0X
 PAG 15.38 45 eP 10 40.00 4.4X
 DEG 16.00 46 eP 10 41.00 -2.7X
 GCM 16.22 330 eP 10 58.58 12.2X
 NNA 17.56 193 eP 11 02.00 -1.4
 1.0s 29.00nm 4.4mb
 eS 14 30.00
 PT10 17.67 193 e(P) 11 04.50 -0.2
 ARE 21.61 176 eP 11 48.00 -1.4
 ZOBO 21.89 168 Pc 11 50.80 -1.7
 Z 24s 2.77um 4.6MszX
 S 16 00.00
 LR 18 10.00
 LPB 22.15 168 P 11 55.20 0.2
 1.1s 612.66nm 6.0mb
 Z 17s 7.62um 5.2MszX
 S 16 00.00
 LR 20 02.00

CNCB 22.45 168 iPc 11 58.50 0.5
 SIV 24.13 151 Pc 12 13.20 -0.7
 JSC 29.91 346 ePd 13 11.00 4.1X
 LHS 30.00 347 P 13 09.80 2.1
 PRM 30.01 344 P 13 09.70 1.9
 BAO 32.24 130 ePc 13 27.50 -0.3
 BLA 32.55 349 ePc 13 34.00 3.8X
 CBN 33.06 354 eP 13 41.00 6.5X
 e 13 57.00
 PPD 34.38 143 (P) 13 50.00 3.8X
 GMTN 35.50 358 iP 13 56.30 0.8
 FVM 36.28 336 ePd 14 01.50 -0.7
 0.9s 105.93nm 5.7mb
 TUL 37.07 328 eP 14 11.70 2.8X
 0.6s 9.80nm 4.8mb
 Z 22s 0.40um 4.2Msz
 LR 25 51.00
 VAO 37.83 139 eP 14 14.50 -0.9
 e 14 25.70
 MDZ 38.11 174 i(P) 14 17.20 -0.5
 PEL 38.23 177 eP 14 17.50 -1.2
 LNV 39.01 178 eP 14 24.00 -1.1
 ALQ 42.81 318 eP 14 56.00 -0.7
 1.3s 24.04nm 4.8mb
 Z 20s 0.53um 4.4Msz
 ANMO 42.81 318 ePd 14 57.50 0.8
 1.7s 70.19nm 5.1mb
 GLD 45.03 324 P 15 13.80 -0.8
 GOL 45.09 324 ePc 15 14.50 -0.6
 1.0s 57.50nm 5.5mb
 GLA 47.80 311 eP 15 36.00 -0.5
 BAR 49.05 309 eP 15 45.00 -1.1
 TPC 49.18 311 eP 15 53.00 5.9X
 PLM 49.47 310 eP 15 56.00 6.5X
 PLM 49.47 310 ePd 15 50.00 0.5
 BW06 49.48 325 P 15 50.00 0.5
 1.0s 14.17nm 4.9mb
 SCH 49.67 5 eP 15 50.00 -0.5
 GSC 50.26 312 eP 15 55.00 -0.4
 SBB 50.76 311 eP 16 04.00 4.8X
 CLC 51.07 313 eP 15 54.00 -7.5X
 TNP 51.82 315 ePd 16 05.50 -1.8
 LRM 52.99 326 eP 16 15.30 -0.8
 PRI 53.47 312 e(P) 16 23.20 3.7X
 LLA 53.86 312 eP 16 22.20 -0.1
 CMB 54.04 314 eP 16 27.30 3.7X
 PRS 54.07 312 eP 16 23.50 -0.3
 FFC 54.63 340 eP 16 27.00 -0.6
 0.5s 7.00nm 4.9mb
 SES 55.17 331 eP 16 31.00 -0.7
 1.5s 102.00nm 5.6mb
 BRK 55.32 313 eP 16 23.40 -9.6X
 ORV 55.47 315 eP 16 33.00 -1.0
 WDC 56.62 316 eP 16 37.80 -4.5X
 NEW 57.01 326 iPd 16 46.50 1.5
 1.0s 9.50nm 4.8mb
 FRB 58.47 2 eP 16 56.00 1.2
 PNT 58.96 326 eP 17 04.00 5.4X
 0.8s 19.00nm 5.3mb
 YKA 64.81 340 eP 17 35.50 -2.1
 0.6s 11.00nm 5.2mb
 TIO 66.47 59 iP 17 54.50 5.5X
 LKO 66.82 82 P 17 51.70 0.4
 0.9s 22.00nm 5.3mb
 TIC 67.50 85 P 17 55.64 0.0
 LIC 67.51 85 P 17 55.92 0.2
 Z 20s 0.24um 4.4Msz
 KIC 67.79 85 P 17 57.90 0.4
 0.9s 19.50nm 5.3mb
 IFR 68.63 56 iPd 18 04.50 1.9
 i 18 08.00
 EJIF 68.79 53 eP 18 05.00 1.7
 EPLA 68.97 49 eP 18 14.00 9.6X
 EHOR 69.20 52 eP 18 13.00 7.2X
 MAL 69.68 53 eP 18 12.00 3.3X
 EGUA 70.37 53 eP 18 16.80 3.8X
 EBAN 70.39 51 eP 18 18.50 5.4X
 ECOG 70.43 52 eP 18 16.50 3.0X
 AFC 70.44 52 eP 18 15.00 1.4
 GUD 70.52 49 eP 18 21.30 7.3X
 AIA 70.60 176 eP 18 13.50 -0.2
 EHUE 71.27 52 eP 18 21.70 3.1X
 EVIA 71.46 51 eP 18 24.30 4.6X
 ENIJ 71.46 53 eP 18 21.50 1.9
 ETOR 72.12 49 eP 18 32.00 8.4X
 BTH 73.82 47 eP 18 24.00 -9.4X
 EROO 73.98 49 eP 18 39.50 5.2X

LPF 74.02 42 eP 18 34.20 -0.2
 0.8s 16.10nm 5.1mb
 EBR 74.04 49 (P) 18 41.00 6.4X
 GRR 74.20 41 eP 18 35.50 0.1
 0.8s 18.80nm 5.2mb
 EPF 74.21 47 eP 18 36.20 0.5
 0.7s 16.00nm 5.2mb
 EKA 74.25 34 P 18 43.00 7.4X
 0.8s 4.70nm 4.6mb
 MFF 74.38 43 eP 18 36.90 0.4
 0.7s 14.35nm 5.1mb
 FLN 74.51 41 eP 18 37.30 0.1
 0.8s 21.50nm 5.2mb
 Z 21s 0.88um 5.0Msz
 INK 74.57 340 eP 18 36.00 -1.2
 1.0s 28.00nm 5.2mb
 LDF 74.72 41 eP 18 38.30 -0.2
 0.8s 10.75nm 4.9mb
 LFF 74.75 45 eP 18 38.80 0.1
 0.8s 10.75nm 4.9mb
 LPO 75.03 45 eP 18 40.20 -0.1
 0.9s 16.40nm 5.1mb
 RJF 75.35 45 eP 18 41.90 -0.2
 0.7s 11.00nm 5.0mb
 Z 20s 0.90um 5.1Msz
 MBC 75.38 350 eP 18 41.50 -0.3
 0.7s 45.00nm 5.6mb
 LSF 75.48 44 eP 18 42.70 -0.2
 0.7s 11.00nm 5.0mb
 CAF 75.68 45 eP 18 44.10 0.0
 0.9s 17.20nm 5.1mb
 ESEL 75.76 50 eP 18 55.00 10.4X
 TCF 75.95 44 eP 18 45.30 -0.3
 1.1s 9.75nm 4.8mb
 MAF 76.19 44 eP 18 46.70 -0.2
 0.8s 7.40nm 4.8mb
 BGF 76.42 43 eP 18 47.90 -0.3
 0.7s 17.10nm 5.2mb
 AVF 76.80 43 eP 18 50.20 -0.1
 0.9s 11.45nm 5.0mb
 SSF 76.93 43 eP 18 50.70 -0.3
 1.0s 10.00nm 4.8mb
 SMF 77.11 43 eP 18 51.70 -0.4
 0.9s 13.10nm 5.0mb
 LOR 77.19 43 eP 18 52.10 -0.4
 1.1s 18.30nm 5.1mb
 Z 20s 0.43um 4.8Msz
 LBF 77.24 43 eP 18 52.20 -0.6
 1.0s 10.00nm 4.8mb
 DOU 77.98 40 Pc 19 07.60 10.9X
 0.8s 11.70nm 4.8mb
 Z 20s 0.50um 4.8Msz
 S 28 55.00
 LRG 78.63 47 eP 19 01.20 0.8
 0.8s 10.75nm 4.9mb
 Z 20s 0.73um 5.0Msz
 LMR 78.73 47 eP 19 01.20 0.2
 1.0s 16.00nm 5.0mb
 FRF 78.84 47 eP 19 02.00 0.4
 0.7s 11.00nm 5.0mb
 PMR 78.86 332 P 19 00.30 -1.0
 0.5s 12.40nm 5.2mb
 FBA 78.88 335 P 19 01.60 0.2
 0.8s 17.24nm 5.1mb
 ENN 78.90 39 eP 19 02.00 0.3
 0.7s 16.00nm 5.2mb
 e 19 12.00
 MEM 78.93 40 P 19 14.80 12.9X
 BNI 78.95 45 P 19 14.50 12.1X
 LPL 79.02 45 eP 19 03.90 1.0
 0.9s 18.00nm 5.1mb
 LPG 79.03 45 eP 19 03.90 0.9
 1.1s 23.20nm 5.1mb
 SLKM 79.21 331 P 19 02.60 -0.7
 BSF 79.22 42 eP 19 04.10 0.4
 0.8s 13.45nm 5.0mb
 SBF 79.43 47 eP 19 05.10 0.2
 0.8s 21.50nm 5.2mb
 WTS 79.56 38 eP 19 07.00 1.7
 0.7s 16.00nm 5.1mb
 e 19 16.00
 CDF 79.59 42 eP 19 05.40 -0.3
 1.1s 19.55nm 5.0mb
 RSO 80.45 330 ePc 19 08.50 -1.7
 BOB 80.91 46 P 19 24.90 12.1X
 SVW 81.91 331 P 19 16.90 -0.7
 NAO 82.40 29 P 19 21.60 1.5

WTTA	0.9s	8.10nm	4.8mb	
	82.48	43 e(P)	19 31.50	10.5X
	1.5s	35.00nm		
CTI	82.48	44 P	19 32.40	11.4X
MOX	82.50	40 e(P)	19 34.00	13.1X
PGD	82.53	47 P	19 28.90	7.6X
SFI	82.62	47 P	19 24.90	3.3X
FVI	83.26	44 P	19 31.60	6.8X
CLL	83.38	39 eP	19 37.00	11.6X
KHC	83.77	41 P	19 28.00	0.5
	1.4s	11.00nm	4.9mb	
Z	20s	0.50um	4.9msz	
E	20s	0.50um		
		e	19 40.00	
		e	19 49.50	
HFS	83.79	30 eP	19 29.20	1.9
	0.5s	0.70nm	4.1mb	
BRG	83.98	40 eP	19 40.40	12.0X
SDI	84.10	49 P	19 30.60	1.3
PRU	84.38	40 eP	19 40.50	10.0X
Z	20s	0.60um	5.0msz	
DUI	84.59	49 P	19 43.40	11.6X
SGO	85.28	50 P	19 43.10	8.0X
KSP	85.47	39 eP	19 47.50	11.6X
MGR	85.49	50 P	19 37.60	1.4
VKA	85.61	42 e(P)	19 45.00	8.3X
TDS	86.11	51 P	19 43.90	4.6X
SRO	86.98	42 eP	19 47.30	3.9X
KRA	87.85	40 eP	19 51.10	3.6X
		e	20 12.00	
SPC	88.14	41 eP	20 02.40	13.2X
KEV	88.54	20 eP	19 57.00	6.5X
SOD	88.86	22 eP	19 59.00	6.9X
NUR	89.20	29 eP	20 06.00	12.3X
OHR	89.38	49 eP	20 03.70	8.6X
SKO	89.76	48 eP	19 57.00	0.2
VAY	90.68	49 eP	20 02.40	1.3
NVL	93.18	161 ePc	20 16.00	4.1X
QUE	127.86	45 ePKP	26 05.70	0.6
WMO	128.12	18 ePKP	26 10.50	5.4X
SNY	130.80	34 ePKP	26 17.00	6.9X
HHC	133.95	355 ePKP	26 17.40	1.1
BJI	134.17	350 ePKP	26 16.00	-0.5
GTA	135.06	8 ePKP	26 25.00	6.5X
TIY	136.98	354 ePKP	26 23.00	0.9
Z	30s	0.63um	5.2msz	
N	15s	0.40um		
TIA	137.70	348 ePKP	26 24.70	1.3
STK	138.24	226 ePKP	26 23.10	-1.4
	1.0s	1.80nm		
LZH	138.78	4 ePKP	26 30.50	4.9X
XAN	140.89	358 ePKP	26 27.40	-1.9
NJ2	141.26	344 PKPc	26 30.00	0.1
SSE	141.44	340 ePKP	26 30.50	0.2
WHN	143.74	349 PKPc	26 30.50	-3.8X
CD2	143.91	5 ePKP	26 33.20	-1.4
QIS	144.95	241 iPKPc	26 33.60	-3.0X
		i	26 43.00	
GBA	145.11	57 PKPd	26 35.80	-1.2
	0.5s	8.10nm		
SHL	146.00	25 ePKP	26 38.00	-0.5
KOD	146.73	62 ePKP	26 43.50	3.4X
ASPA	148.34	232 ePKP	26 41.30	-0.8
	0.7s	31.10nm		
GYA	148.48	1 PKP	26 46.00	3.6X
KMI	149.52	8 ePKP	26 47.00	2.8X
WB2	149.72	239 iPKPc	26 42.80	-1.5
	0.4s	27.90nm		
		e	26 47.10	
WRA	149.73	239 PKP	26 42.00	-2.3
	0.7s	37.30nm		
S.D. = 1.0 on 134 of 212 obs.				
JUN 25, 1991 23h 43m 44.52 ± 0.90s				
32.781 S ± 10.5km 66.815 W ± 13.1km				
DEPTH = 173.8 ± 12.2 km				
4.2mb (1 obs.)				
SAN LUIS PROVINCE, ARGENTINA (140)				
MDZ	1.72	266 iP	44 20.00	1.5
		i(S)	44 42.50	
ZON	2.00	307 iPc	44 21.50	-0.1
		eS	44 47.50	
RTLL	2.02	315 iPd	44 21.10	-0.7
RTCB	2.12	307 iPc	44 23.00	0.0
PEL	3.27	263 iPd	44 37.10	0.3

LNV	4.02	252 ePc	45 17.50	-1.3
		iS	45 31.50	
LPB	16.22	356 Pc	47 25.20	0.7
	1.0s	160.00nm	5.4mb X	
ZOBO	16.48	356 iPc	47 27.70	-0.2
PPD	17.42	56 eP	47 37.70	-0.7
VAO	20.04	66 (P)	47 56.00	-9.9X
		e	48 06.60	
NNA	22.65	334 eP	48 31.50	-0.1
	0.7s	6.16nm	4.2mb	
BAO	24.14	49 eP	48 46.00	0.0
LIC	70.25	69 P	54 41.20	0.4
KIC	70.56	69 P	54 43.00	0.3
S.D. = 0.8 on 13 of 14 obs.				
JUN 26, 1991 00h 09m 31.45 ± 1.03s				
0.449 N ± 13.2km 122.310 E ± 46.4km				
DEPTH = 33.0km (normal)				
5.1mb (4 obs.)				
MINAHASSA PENINSULA (265)				
PGP	13.04	354 iPd	12 37.00	-0.1
	1.0s	69.00nm	5.7mb X	
MTN	15.84	147 iPc	13 19.50	5.7X
		e	14 54.00	
KNA	17.31	159 iPc	13 31.90	-0.5
	0.3s	101.00nm	5.4mb	
WB2	23.45	150 iPc	14 35.20	-3.8X
WARB	26.81	171 eP	15 11.50	0.8
	0.3s	11.00nm	5.0mb	
QIS	26.88	142 iPc	15 11.80	0.4
	0.4s	25.00nm	5.2mb	
FORR	31.61	170 eP	15 53.00	-0.5
STK	36.98	152 iPc	16 39.40	-0.2
	0.7s	8.40nm	4.7mb	
		e	17 59.60	
		e	20 13.40	
S.D. = 0.7 on 6 of 8 obs.				
JUN 26, 1991 00h 50m 00.43 ± 0.78s				
37.399 N ± 5.7km 12.213 E ± 5.0km				
DEPTH = 10.1 ± 4.2 km				
SICILY (398)				
ML 3.4 (ROM).				
CVT	0.54	59 P	50 11.70	0.4
		eSg	50 17.80	
LVI	0.59	10 P	50 12.40	0.0
		eSg	50 22.40	
PTS	0.62	197 P	50 13.50	0.7
		eSg	50 24.20	
ERC	0.70	25 P	50 14.30	0.0
		eSg	50 25.20	
USI	1.51	30 P	50 28.20	0.7
GIB	1.55	67 P	50 27.70	-0.5
MNO	2.04	74 P	50 36.30	0.9
MEU	2.19	97 P	50 36.00	-1.4
		eSn	51 02.30	
PZI	2.19	99 P	50 37.58	0.2
ATN	2.68	73 P	50 45.00	0.5
SOI	3.12	76 P	50 50.80	0.3
CZI	3.58	58 P	50 55.40	-1.7
GRI	3.61	66 P	50 57.09	-0.5
MGR	3.78	43 P	51 00.20	0.2
TDS	3.94	54 P	51 03.10	0.8
SGO	3.97	36 P	51 02.10	-0.5
SDI	4.48	16 P	51 10.30	0.5
MAO	5.08	351 P	51 19.20	0.9
PGF	5.70	335 Pn	51 28.90	1.6
		Sn	52 28.70	
ARV	6.12	5 P	51 32.60	-0.4
LMR	7.35	325 Pn	51 49.50	-0.9
SBF	7.41	332 Pn	51 50.00	-1.2
		Sn	53 05.00	
FRF	7.47	327 Pn	51 51.00	-1.0
LRG	7.52	325 Pn	51 51.10	-1.5
LPG	9.07	335 Pn	52 16.60	2.1
S.D. = 1.0 on 25 of 25 obs.				
JUN 26, 1991 02h 06m 02.36 ± 0.96s				
38.107 N ± 9.0km 22.072 E ± 11.2km				
DEPTH = 10.0km (geophysicist)				
GREECE (364)				
ML 3.1 (ATH).				
VLS	1.17	274 ePb	06 24.20	0.0

ATH	1.31	95	ePb	06 35.00	8.1
VLI	1.55	153	ePb	06 30.00	0.6
KZN	2.21	354	ePn	06 47.50	8.1
KEK	2.39	313	ePg	06 51.30	1X
OHR	3.16	342	ePn	06 53.20	0.1
VAY	3.23	7	ePn	06 54.00	-0.1
SKO	3.89	353	ePn	07 08.00	4.5X
S.D. = 0.2 on 4 of 8 obs.					
JUN 26, 1991 02h 23m 28.57± 0.65s					
38.232 N ± 6.1km 22.187 E ± 5.1km					
DEPTH = 10.0km (geophysicist)					
GREECE (364)					
ML 3.0 (ATH).					
AGG	0.80	8	iPd	23 43.78	-0.3
ATH	1.23	102	ePb	23 52.50	1.0
VLS	1.26	268	ePb	23 50.00	-2.0
VLI	1.62	158	ePb	23 57.50	0.2
LIT	1.88	7	ePd	24 00.92	-0.1
IGT	1.94	312	ePc	24 06.36	4.4X
			eS	24 31.24	
PAIG	2.05	34	iPc	24 02.41	-1.1
KZN	2.10	351	ePn	24 04.50	0.3
KEK	2.38	309	ePg	24 10.50	2.3X
GRG	2.73	3	iPd	24 13.48	0.3
SOH	2.74	19	ePc	24 12.60	-0.8
			eS	24 45.56	
KNT	2.98	10	ePd	24 15.84	-0.9
OHR	3.07	340	ePn	24 19.20	1.2
SRS	3.08	20	ePc	24 19.84	1.7
VAY	3.10	5	ePn	24 18.00	-0.4
MMB	3.56	19	eP	24 24.00	-1.0
KKB	3.70	10	eP	24 28.00	1.1
SKO	3.78	352	ePn	24 29.00	0.9
			eS	24 32.50	
RZN	3.96	29	eP	24 29.00	-1.8
BRT	4.67	306	P	24 41.70	0.9
TDS	4.78	289	P	24 45.20	2.9X
CZI	4.84	284	P	24 42.60	-0.5
MGR	5.49	292	P	24 51.60	-0.8
SGO	5.81	296	P	24 58.50	1.7
SDI	7.30	301	P	25 18.60	0.7
S.D. = 1.1 on 22 of 25 obs.					
JUN 26, 1991 04h 14m 16.44± 0.83s					
42.642 N ± 6.2km 12.909 E ± 9.5km					
DEPTH = 10.0km (geophysicist)					
CENTRAL ITALY (381)					
MNS	0.31	213	P	14 22.60	-0.3
			eSg	14 27.80	
AQU	0.47	128	P	14 26.10	0.2
			eSg	14 34.20	
ASS	0.47	337	P	14 25.40	-0.5
			eSg	14 33.00	
ARV	0.86	2	P	14 32.60	-0.4
			eSg	14 46.00	
CRE	1.21	325	P	14 40.00	1.0
S.D. = 0.8 on 5 of 5 obs.					
JUN 26, 1991 04h 52m 24.58± 3.64s					
44.079 N ± 15.0km 8.654 E ± 22.1km					
DEPTH = 10.0km (geophysicist)					
NORTHERN ITALY (545)					
ML 2.1 (GEN).					
FIN	0.35	292	P	52 31.71	0.0
			S	52 35.81	
PCP	0.47	350	P	52 34.07	-0.1
			S	52 39.71	
IMI	0.58	253	P	52 36.22	-0.1
			S	52 43.19	
ROB	0.60	291	P	52 36.12	-0.7
			S	52 43.19	
ENR	0.90	280	P	52 41.92	0.0
			S	52 52.53	
STV	0.97	280	P	52 43.58	0.5
			S	52 55.10	
PZZ	1.19	291	P	52 46.76	-0.2
BHB	1.25	308	P	52 48.30	0.4
S.D. = 0.4 on 8 of 8 obs.					
JUN 26, 1991 04h 58m 43.49± 0.76s					
38.244 N ± 6.9km 22.073 E ± 7.4km					
DEPTH = 10.0km (geophysicist)					
GREECE (364)					

26d 04h

ML 3.0 (ATH).

AGG	0.80	14	iPc	58	58.09	-1.0
			e	59	09.82	
VLS	1.17	267	ePb	59	05.00	-0.4
ATH	1.32	101	ePb	59	08.00	0.1
VLI	1.67	155	ePb	59	13.00	0.1
IGT	1.87	314	eP	59	25.50	9.7X
LIT	1.88	10	eP	59	18.62	2.6X
KZN	2.07	354	ePn	59	20.00	1.2
PAIG	2.10	36	iPc	59	18.58	-0.5
KEK	2.30	310	ePb	59	25.00	3.0X
GRG	2.72	5	iPd	59	32.78	4.7X
SOH	2.76	21	ePc	59	29.06	0.5
OHR	3.03	341	eP	59	36.00	3.6X
VAY	3.10	7	eP	59	35.70	2.4X
SKO	3.76	353	ePn	59	38.00	-4.7X

S.D. = 0.9 on 7 of 14 obs.

JUN 26, 1991 05h 46m 57.03±0.75s
38.247 N ± 6.9km 22.127 E ± 7.1km
DEPTH = 5.0km (geophysicist)

GREECE (364)

ML 3.1 (ATH).

AGG	0.79	12	ePd	47	11.80	-1.1
			eS	47	23.64	
VLS	1.21	267	ePg	47	18.50	-1.6
ATH	1.28	102	ePb	47	21.00	0.5
VLI	1.66	157	ePb	47	27.00	0.1
LIT	1.87	9	iPd	47	30.72	0.7
PAIG	2.07	35	iPd	47	31.12	-1.7
KZN	2.07	352	ePn	47	34.50	1.5
KEK	2.33	310	ePg	47	39.50	2.9X
FNA	2.60	347	ePd	47	41.00	0.5
KNT	2.97	11	iPd	47	45.32	-0.4
OHR	3.04	341	ePn	47	40.40	-6.3X
VAY	3.09	6	ePn	47	47.50	0.2
SKO	3.76	352	ePn	47	54.00	-2.9X
CZI	4.79	284	P	48	12.60	1.1

S.D. = 1.2 on 11 of 14 obs.

? JUN 26, 1991 06h 09m 32.46±0.94s
38.254 N ± 9.0km 22.066 E ± 10.1km
DEPTH = 5.0km (geophysicist)

GREECE (364)

MD 3.0 (ATH).

AGG	0.79	15	ePd	09	47.82	-0.6
			eS	09	59.98	
VLS	1.17	267	ePb	09	54.80	0.1
VLI	1.68	155	ePb	10	02.50	-0.2
LIT	1.87	10	ePc	10	09.42	4.0X
			eS	10	36.54	
PAIG	2.09	36	iPc	10	09.17	0.6
KEK	2.29	310	ePn	10	15.00	3.5X
KNT	2.97	12	ePd	10	26.61	5.4X
OHR	3.02	341	e(Pn)	10	30.10	8.3X

S.D. = 0.9 on 4 of 8 obs.

? JUN 26, 1991 06h 22m 18.00±3.15s
16.807 N ± 22.4km 100.227 W ± 21.6km
DEPTH = 52.7 ± 26.4 km

NEAR COAST OF GUERRERO, MEXICO (58)

ACX	0.36	80	iP	22	28.00	0.0
			iS	22	31.50	
III	1.72	25	iP	22	46.50	0.3
			iS	23	06.50	
TPM	2.43	27	(P)	22	57.50	1.3
			(S)	23	28.00	
CRX	2.64	11	(P)	23	00.00	0.7
UNM	2.70	21	iP	23	04.00	3.9X
			(S)	23	38.50	
PPM	2.72	34	iP	23	00.00	-0.6
			(S)	23	39.00	
TAC	2.76	21	(P)	23	09.00	7.9X
			(S)	23	42.50	
IIT	2.86	39	(P)	23	01.00	-1.5
			(S)	23	40.00	
MRX	3.02	343	iP	23	04.00	-0.5
			(S)	23	38.00	
OXX	3.36	85	(P)	23	16.50	6.9X
			(S)	23	54.00	
PBJ	4.64	94	iP	23	27.50	0.3
			(S)	24	38.00	

S.D. = 1.1 on 8 of 11 obs.

& JUN 26, 1991 06h 30m 59.85s

62.069 N 150.391 W

DEPTH = 53.1km

CENTRAL ALASKA (1)

<AEIC>. ML 2.6 (AEIC).

CUT	0.34	10	ePc	31	09.06	-0.6
PWA	0.48	150	ePc	31	11.16	0.0
			eS	31	19.65	
SKT	0.54	261	iPd	31	11.27	-0.7
			eS	31	20.54	
SUA	0.63	196	iPd	31	12.76	-0.3
			eS	31	23.21	
GHO	0.76	113	iPc	31	14.05	-0.6
			eS	31	25.68	
PLRM	0.77	128	iPc	31	13.92	-0.7
PMS	0.92	154	ePc	31	16.31	-0.4
			eS	31	29.43	
HUR	0.98	21	ePd	31	16.70	-0.8
			eS	31	29.71	
SML	1.01	104	ePc	31	17.22	-0.8
NCG	1.07	232	eP	31	18.37	-0.6
CGLM	1.08	226	eP	31	18.34	-0.7
KNK	1.13	125	eP	31	19.21	-0.5
CRP	1.16	227	eP	31	19.48	-0.8
SPU	1.19	222	ePc	31	19.72	-0.8
BGL	1.25	231	eP	31	21.82	0.4
CKL	1.28	228	eP	31	21.19	-0.6
SCM	1.47	98	ePd	31	23.95	-0.4
			eS	31	42.94	
RND	1.52	27	eP	31	24.22	-0.9
SLKM	1.57	177	eP	31	25.51	-0.3
RDT	1.79	214	ePd	31	28.56	-0.3
			eS	31	50.92	
MCK	1.80	21	eP	31	28.08	-0.9
DFR	1.85	218	eP	31	29.34	-0.4
RDN	1.94	217	eP	31	30.52	-0.5
			eS	31	54.80	
REF	1.94	216	eP	31	31.21	0.1
NCT	1.95	220	eP	31	30.92	-0.2
RDW	1.97	217	eP	31	31.49	-0.1
RSO	1.98	216	eP	31	30.87	-0.8
GLI	1.98	126	eP	31	30.38	-1.2
TOA	1.99	87	eP	31	30.73	-0.9
SEW	2.02	167	eP	31	32.17	0.1
VZW	2.10	117	eP	31	32.82	-0.4
KNJM	2.15	142	eP	31	32.44	-1.5
BWN	2.15	11	eP	31	32.91	-1.0
VLZ	2.16	114	eP	31	33.04	-0.9
KLU	2.20	103	ePc	31	33.41	-1.3
SDG	2.31	76	eP	31	35.85	-0.4
TZL	2.34	88	eP	31	36.50	-0.1
LTJ	2.38	148	eP	31	36.66	-0.5
PAX	2.46	66	eP	31	37.69	-0.6
WRH	2.63	22	eP	31	38.71	-1.9
CCB	2.84	23	ePc	31	41.65	-2.0
RDS	2.95	19	ePc	31	43.13	-2.1
MDM	3.06	18	ePd	31	44.69	-2.2
FBA	3.07	21	ePd	31	44.86	-2.2
GLB	3.19	98	eP	31	46.84	-1.9
GLM	3.22	23	ePd	31	47.12	-2.1

46 obs. associated

* JUN 26, 1991 07h 51m 04.11±0.61s

2.155 S ± 9.7km 127.459 E ± 22.5km

DEPTH = 10.0km (geophysicist)

5.0mb (3 obs.) 4.2MsZ (1 obs.)

CERAM SEA (270)

AAI	1.69	154	iPc	51	33.50	-0.3
			iS	51	48.00	
MTN	11.23	161	eP	53	48.00	0.3
			eS	55	52.00	
PLP	13.46	349	eP	54	18.00	0.3
KNA	13.57	175	eP	54	18.70	-0.5
OIS	21.80	148	iPd	55	58.20	-0.1
	0.5s	33.00nm			5.0mb	
ASPA	22.28	164	iPc	56	03.10	-0.1
	0.4s	37.50nm			5.2mb	
			iS	59	58.80	
WARB	23.90	182	eP	56	20.00	1.0
STK	32.43	157	iPc	57	36.60	0.0
	0.4s	3.60nm			4.7mb	
			e	58	27.10	
LZH	43.97	332	eP	59	28.50	15.1X
	2.0s	35.00nm				

Z 18s 0.25um 4.2MsZ

E 13s 0.64um

GUN 49.90 310 P 00 00.00 -0.5

S.D. = 0.5 on 9 of 10 obs.

& JUN 26, 1991 10h 52m 39.00s

36.570 N 89.600 W

DEPTH = 5.7km

NEW MADRID, MISSOURI REGION (486)

<SLM>. MD 2.7 (SLM).

NMMO	0.04	65	iPd	52	40.79	0.3
			S	52	41.61	
NRMS	0.08	173	iPc	52	41.15	0.2
			S	52	42.19	
LST	0.12	246	iPd	52	41.74	0.2
			S	52	43.36	
OGTN	0.18	148	ePc	52	42.78	0.1
DWM	0.25	21	eP	52	44.13	0.0
			S	52	47.61	
CBD	0.26	189	iPc	52	44.25	0.0
			S	52	47.66	
ACTN	0.32	134	iPc	52	45.52	0.0
			S	52	49.76	
OHTN	0.42	171	iPc	52	47.31	-0.2
			S	52	53.26	
MFTN	0.44	158	iPc	52	47.65	-0.2
DON	0.66	336	ePc	52	51.34	-0.9
			S	53	00.27	
ELC	0.77	23	eP	52	53.27	-1.2
			S	53	03.59	
WGAR	0.86	214	eP	52	55.54	-0.4

12 obs. associated

JUN 26, 1991 11h 00m 36.95±0.30s
39.595 N ± 3.1km 27.816 E ± 3.3km
DEPTH = 11.0 ± 2.3 km

TURKEY (366)

ML 4.2 (ATH). MD 4.0 (ISK).

EDC	0.75	3	iPg	00	52.00	0.4
			eSg	01	03.50	

CMP 6.03 341 ePc 02 10.00 1.8
MLR 6.05 347 ePd 02 08.50 -0.1
VRI 6.32 353 ePc 02 12.50 0.2
TNR 6.59 338 ePc 02 18.00 1.9

S.D. = 0.9 on 38 of 46 obs.

* JUN 26, 1991 11h 42m 57.99 ± 1.20s
38.164 N ± 12.1km 21.123 E ± 7.4km
DEPTH = 10.0km (geophysicist)

GREECE (364)

VLS 0.42 272 iPg 43 06.40 -0.2
KEK 1.86 327 ePg 43 31.00 0.9
VLI 2.04 134 ePg 43 37.50 4.7X
ATH 2.06 95 ePn 43 33.00 0.0
KZN 2.20 13 ePb 43 35.50 0.4
OHR 2.95 355 eP 43 44.70 -1.1
VAY 3.34 19 iP 43 51.40 0.1
SKO 3.81 4 iP 44 01.50 3.5X

S.D. = 0.9 on 6 of 8 obs.

JUN 26, 1991 11h 43m 35.75 ± 0.35s
38.435 N ± 3.3km 21.098 E ± 1.9km
DEPTH = 39.5 ± 3.7 km

5.0mb (53 obs.) 5.1MsZ (1 obs.)

GREECE (364)

MD 4.9 (ATH). Felt on Ithaki.

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 17S, 29C

Centroid Location:

Origin Time 11:43:44.4 0.7

Lat 38.42N FIX; Lon 21.17E FIX

Dep 31.0 FIX Half-duration 1.6

Moment Tensor: Scale 10¹⁶ Nm

Mrr = -9.23 0.54 Mtt = 9.05 0.84

Mff = 0.18 0.82 Mrt = -0.08 1.57

Mrf = -0.95 1.38 Mtf = -4.34 0.62

Principal Axes:

T Vol = 10.82 Plg = 1 Azm = 22

N -1.49 7 112

P -9.34 83 285

Best Double Couple: Mo = 1.0 × 10¹⁷

NP1: Strike = 105 Dip = 45 Slip = 100

NP2: 299 46 -81

VLS 0.48 237 eP 43 40.50 -5.7X
AGG 1.13 58 ePd 43 57.02 1.7

KEK 1.63 322 eP 43 57.50 -4.9X
SRN 1.68 330 iPn 44 02.40 -0.6
LSK 1.76 347 iPn 44 06.00 1.7

KZN 1.94 15 eP 44 10.00 3.0X
LIT 1.98 33 ePc 44 10.54 3.0X
ATH 2.11 102 eP 44 09.50 0.1

VLI 2.25 139 eP 44 10.00 -1.4
PAIG 2.50 53 eP 44 16.30 1.4
THE 2.63 33 eP 44 19.00 2.3

OHR 2.68 355 iPn 44 19.60 2.1
GRG 2.71 21 eP 44 20.10 2.2
OUR 2.93 49 ePc 44 23.04 2.1

SOH 2.95 35 ePc 44 24.08 2.8X
TIR 3.06 342 ePn 44 24.00 1.3
LCI 3.09 309 P 44 22.20 -1.0

VAY 3.10 21 iPn 44 25.20 1.9
SRS 3.30 35 ePc 44 28.84 2.6X
SKO 3.54 4 iPn 44 31.70 2.0

ROI 3.71 289 P 44 32.40 0.3
MMB 3.74 32 iP 44 33.00 0.5
KKB 3.75 23 iP 44 34.00 1.4

SDA 3.78 342 iPnc 44 33.50 0.5
ULC 3.80 339 ePn 44 33.69 0.4
BRT 3.87 310 P 44 35.40 1.0

TDS 3.90 290 P 44 34.50 -0.3
CZI 3.96 283 P 44 36.50 1.0
ORI 3.96 296 P 44 36.60 1.0

CSI 3.97 291 P 44 36.30 0.4
PRK 4.12 77 eP 44 37.50 -0.4
GMB 4.13 268 P 44 36.56 -1.6

BDV 4.22 336 iPnd 44 38.53 -0.7
BAI 4.22 311 P 44 38.00 -1.2
MMN 4.23 292 P 44 41.40 2.0

TTG 4.23 341 iPnd 44 39.17 -0.2
PVY 4.24 349 ePn 44 40.32 0.6
RZN 4.27 39 iPd 44 47.00 6.8X

EZN 4.30 70 eP 44 39.60 -0.7
RDO 4.36 50 eP 44 42.00 0.7
ATN 4.44 268 Pd 44 41.20 -1.3

VTG 4.45 21 iPc 44 43.00 0.3
HCY 4.47 334 iPnd 44 41.50 -1.4
IVA 4.52 349 iPnd 44 44.60 0.9

ALN 4.54 56 ePc 44 44.60 0.7
PLD 4.59 36 iP 44 46.00 1.5
KDZ 4.61 45 iPd 44 44.00 -0.9

MGR 4.62 293 P 44 45.30 0.2
NKY 4.66 341 ePn 44 44.78 -0.8
NPS 4.81 130 eP 44 49.00 1.3

ISn 45 24.22
P 44 38.00 -1.2
P 44 41.40 2.0

iPnd 44 39.17 -0.2
ISn 45 25.87
ePn 44 40.32 0.6
ISn 45 27.70

iPd 44 47.00 6.8X
eP 44 39.60 -0.7
eP 44 42.00 0.7
Pd 44 41.20 -1.3

iPc 44 43.00 0.3
iPnd 44 41.50 -1.4
ISn 45 28.68
ISn 45 36.63

iPnd 44 44.60 0.9
ISn 45 36.63
ePc 44 44.60 0.7
iP 44 46.00 1.5

iPd 44 44.00 -0.9
P 44 45.30 0.2
ePn 44 44.78 -0.8
ISn 45 35.71

eP 44 49.00 1.3
iP 44 48.20 0.1
ePn 44 47.52 -1.0
ISn 45 40.83

iP 44 50.00 0.4
eP 44 50.50 0.8
ePn 44 51.50 0.3
eSn 45 46.50

iP 44 47.30 -4.0X
P 44 49.80 -1.7
P 44 46.63 -5.1X
eP 44 52.00 -6.5X

eP 44 57.50 -1.2
iPc 44 59.00 -1.9
iP 45 00.00 -1.7
iP 45 01.90 -0.3

iPnd 45 00.50 -2.6X
ISn 46 09.20
P 45 05.10 0.2
P 45 06.98 0.1

P 45 05.20 -2.2
eP 45 17.00 8.9X
P 45 10.70 -0.4
P 45 08.35 -4.4X

eP 45 15.00 1.8
ePd 45 22.00 8.2X
eP 45 13.00 -0.8
P 45 16.50 -0.7

ePc 45 22.00 4.0X
eP 45 17.00 -1.9
ePc 45 20.00 0.9
P 45 19.70 0.4

iP 45 20.50 1.0
iP 45 25.10 3.8X
P 45 23.02 1.3
P 45 22.90 0.8

iPc 45 32.00 9.5X
iP 45 24.50 0.8
iPc 45 25.00 0.5
eP 45 24.00 -1.3

P 45 25.50 -0.5
eP 45 28.00 1.6
ePc 45 30.00 3.4X
ePc 45 32.00 1.9

ePn 45 31.30 0.2
ePc 45 03.50 -27.9X
P 45 30.90 -1.2
ePc 45 39.80 3.5X

ePn 45 33.90 -2.5
ISn 47 01.80
e(Pn) 45 33.50 -2.9X
ISn 46 58.00

ePn 45 29.50 -6.9X
i(Sn) 46 58.50
ISg 47 50.50
e(Pn) 45 35.00 -2.3

ePn 45 32.70 -4.9X
ISn 47 00.50
eP 45 29.50 -8.1X
P 45 38.00 -1.5

ePc 45 06.50 -33.0X
ePn 45 37.40 -2.2
ISn 47 12.70
ePc 45 45.00 5.0X

P 45 40.70 0.5
CRE 8.64 310 P 45 41.00
CEY 8.82 328 eP 45 40.50 -0.1

eS 47 18.80
SFI 8.86 311 P 45 44.00 -0.3
PGD 8.92 311 P 45 45.20 0.0

LJU 9.02 329 iPnc 45 43.90 -2.6X
i 45 49.50
i 46 00.20
iSn 47 22.80

i 47 43.50
TRI 9.08 325 P 45 44.10 -3.2X
BUD 9.17 351 e(Pn) 45 47.00 -1.5
VOY 9.28 327 eP 45 47.20 -2.9X

eS 47 29.00
PTT 9.34 23 eP 45 55.00 4.1X
BMR 9.40 10 ePd 46 00.00 14.4X
PII 9.57 307 P 45 53.90 -0.1

SRO 9.59 349 eP 46 00.80 6.5X
i 46 39.50
i 47 54.10
BDI 9.70 309 P 45 56.90 1.0

PPCY 9.70 108 e(P) 46 03.00 7.1X
MME 9.71 310 P 45 55.70 -0.5
VVI 9.91 322 P 45 56.50 -2.2
PGF 10.09 298 P 46 00.00 -1.3

KAS 10.17 69 eP 46 12.50 10.2X
ZST 10.18 345 eP 46 01.20 -1.1
2.8s 0.60nm 3.3mb X
FVI 10.20 326 P 46 01.30 -1.3

CTI 10.33 320 P 46 01.90 -2.7
KBA 10.34 329 iPd 46 02.80 -2.0
ic 46 03.30
iS 48 00.40

CSS 10.41 106 e(P) 46 04.00 -1.6
VKA 10.42 342 iPc 46 19.40 13.8X
Z 10s 13.40um
i 46 20.70
iS 48 21.20

LR 50 58.00
SAL 10.63 316 P 46 07.00 -1.5
SPC 10.77 357 eP 46 08.40 -2.2

BOB 10.77 310 P 46 10.70 0.2
KMR 10.87 334 iP+ 46 09.80 -2.0
i 48 28.30

MDI 11.19 315 P 46 13.40 -2.7X
PCP 11.21 307 P 46 16.66 0.1
WTTA 11.22 325 iPd 46 15.70 -1.0

iS 48 17.70
FIN 11.27 305 P 46 17.38 0.0
WATA 11.30 325 iPd 46 15.90 -1.9

i 46 23.60
CKI 11.33 306 P 46 18.40 0.4
IMI 11.35 303 P 46 19.33 0.9
SQTa 11.38 324 iPd 46 17.60 -1.3

ROB 11.53 305 P 46 21.69 0.9
KRA 11.65 356 eP 46 28.00 5.7X
Z 14s 13.20um
E 16s 8.40um

e 46 36.00
e 48 35.00
VAI 11.77 313 P 46 22.60 -1.4

ENR 11.79 304 P 46 25.48 1.1
TOUF 11.82 303 P 46 28.00 3.1X
STV 11.86 304 P 46 25.79 0.4

CALN 11.96 301 P 46 30.00 3.3X
KHC 11.99 336 P 46 23.50 -3.4X
1.0s 26.80nm 5.3mb

i 46 31.00
e 46 37.00
S 49 04.00

DOI 12.02 305 P 46 28.50 1.0
HLW 12.04 132 eP 46 25.20 -2.5X
eS 48 26.50

FRF 12.06 300 eP 46 28.40 0.5
1.2s 59.50nm 5.6mb
LMR 12.07 299 eP 46 27.70 -0.4

1.0s 44.00nm 5.5mb
PZZ 12.12 304 P 46 30.20 1.4
BMB 12.16 306 P 46 31.22 1.9

LRG 12.22 299 eP 46 30.20 0.2
1.5s 146.25nm 5.9mb
Z 18s 6.75um

RSP 12.31 307 P 46 33.38 2.0
PRU 12.46 340 eP 46 31.00 -2.2
1.3s 46.90nm 5.4mb

PTJ 8.38 335 ePn 45 32.70 -4.9X
PTJ 8.38 335 eP 45 29.50 -8.1X
RSM 8.52 313 P 45 38.00 -1.5

VRI 8.52 28 ePc 45 06.50 -33.0X
RIY 8.52 326 ePn 45 37.40 -2.2
ISn 47 12.70
CFR 8.55 36 ePc 45 45.00 5.0X

MAO 8.56 301 P 45 40.70 0.5
ZAG 8.30 334 e(Pn) 45 33.50 -2.9X
ZAG 8.30 334 i(Sn) 46 58.00

i(Sn) 46 58.50
ISg 47 50.50
e(Pn) 45 35.00 -2.3
ePn 45 32.70 -4.9X

ISn 47 00.50
eP 45 29.50 -8.1X
P 45 38.00 -1.5
ePc 45 06.50 -33.0X

ePn 45 37.40 -2.2
ISn 47 12.70
ePc 45 45.00 5.0X
P 45 40.70 0.5

DOI 12.02 305 P 46 28.50 1.0
HLW 12.04 132 eP 46 25.20 -2.5X
eS 48 26.50
FRF 12.06 300 eP 46 28.40 0.5

1.2s 59.50nm 5.6mb
LMR 12.07 299 eP 46 27.70 -0.4
1.0s 44.00nm 5.5mb

PZZ 12.12 304 P 46 30.20 1.4
BMB 12.16 306 P 46 31.22 1.9
LRG 12.22 299 eP 46 30.20 0.2

1.5s 146.25nm 5.9mb
Z 18s 6.75um
RSP 12.31 307 P 46 33.38 2.0

PRU 12.46 340 eP 46 31.00 -2.2
1.3s 46.90nm 5.4mb

26d 11h															
Z	20s	0.20um	4.8Msz	Z	20s	2.50um		S	53	48.00		SOD	29.15	4	iP
E	20s	0.20um				eS	51 10.00								
		e	46 34.60	MFF	17.62	304 eP	47 39.50 -0.3					MAIO	30.45	82	eP
		e	46 38.50		1.4s	174.25nm	5.0mb								
		eS	49 40.00	LDF	18.38	310 eP	47 49.00 -0.1					KEV	31.54	4	eP
RRL	12.50	306 P	46 36.66 2.6X		1.2s	65.45nm	4.7mb								
LSD	12.52	309 P	46 35.74 1.5	ECRI	18.41	291 eP	47 50.28 0.7					Z	16s	4.00um	5.2MszX
CDR	12.70	299 ePc	46 41.80 5.4X	EVIA	18.46	278 eP	47 51.26 1.0								
KSP	12.87	346 eP	46 38.50 0.0	ENIJ	18.49	273 eP	47 51.08 0.4								
	1.1s	28.00nm	5.2mb	EHUE	18.64	275 eP	47 54.95 2.4					AKU	35.37	333 e(P)	50 32.20 3.1X
		i	46 48.00	FLN	18.67	311 eP	47 52.50 -0.1								
		e	51 00.00		0.7s	22.05nm	4.5mb					REY	36.08	329 iP	50 45.50 10.4X
HR1	12.94	109 eP	46 40.20 0.4		Z	19s	1.10um	5.4Msz				LKO	37.43	227 P	50 46.72 -0.4
FEL	13.41	319 P	46 49.37 3.5X	LPF	18.71	308 eP	47 52.10 -1.0								
BBS	13.42	317 P	46 49.88 4.0X		1.2s	59.50nm	4.7mb					TIC	39.50	223 P	51 05.30 1.0
BRG	13.43	340 iP	46 48.60 2.6X	GRR	18.74	309 eP	47 52.50 -1.0					KIC	39.59	223 P	51 03.44 -1.6
	2.3s	46.00nm	5.0mb		1.0s	56.00nm	4.7mb								
		e	48 00.00	AFC	19.49	274 eP	48 03.23 0.7					LIC	39.85	223 P	51 05.72 -1.5
		e	48 50.80	ECOG	19.50	274 eP	48 04.40 1.8								
		e	49 49.40	EBAN	19.52	277 eP	48 03.59 0.9					NDI	47.14	84 eP	52 03.00 -3.0X
		e	50 25.70	GUD	19.58	284 eP	48 05.69 2.2					POO	49.72	98 eP	52 25.50 -0.7
RMN	13.67	121 eP	46 43.40 -6.0X	EGUA	19.59	273 eP	48 03.68 0.2					GKN	53.23	81 P	52 49.02 -3.8X
LOMF	13.72	315 P	46 49.50 -0.5	TAB	19.80	83 eP	48 04.00 -1.9					DMN	53.79	81 P	52 52.80 -4.1X
MOF	13.86	317 P	46 50.68 -1.0	MAL	20.27	273 eP	48 13.00 2.4					KKN	53.83	81 P	52 52.42 -4.8X
MOX	13.94	334 iP	46 52.20 -0.5			i	48 22.50					PKI	54.04	81 P	52 54.94 -4.0X
	1.1s	69.00nm	5.3mb			eS	51 48.00					GUN	54.24	81 P	52 56.70 -3.7X
	Z	15s	6.20um	EHOR	20.72	277 eP	48 15.51 0.4					FRB	56.18	328 eP	53 13.00 -0.5
	N	16s	8.30um	EPRU	20.87	274 eP	48 18.34 1.6					IRK	56.95	47 eP	53 16.20 -3.0X
	E	11s	3.10um	EPLA	21.08	283 eP	48 21.45 2.5X					KOD	57.49	104 eP	53 32.90 9.0X
		eS	49 44.00	EJIF	21.16	273 eP	48 21.93 2.2					SCH	58.56	317 eP	53 29.00 -1.5
BSF	14.03	317 P	46 54.03 0.1	KER	21.30	93 eP	48 33.00 11.7X					SHL	60.06	80 eP	53 37.00 -4.4X
ECH	14.07	318 P	46 53.28 -1.1	NKM	21.37	270 eP	48 26.00 4.2X					WIN	60.79	184 iPd	53 45.00 -1.3
CLL	14.08	339 iP	46 58.60 4.1X			i	48 31.00					MBC	62.86	350 eP	54 00.50 1.1
	1.4s	180.00nm	5.6mb	PLAT	21.47	272 eP	48 26.00 3.1X								
WLS	14.09	319 P	46 54.56 -0.2	UPP	21.56	355 iP	48 21.60 -1.8					LZH	63.68	64 eP	54 01.00 -4.6X
CDF	14.13	319 P	46 53.81 -1.5		1.0s	400.00nm	5.8mb								
MBH	14.31	123 eP	46 51.20 -6.5X			iS	52 18.00					Z	24s	1.06um	4.9MszX
GWF	14.33	322 P	47 02.19 4.4X	CNIL	21.64	273 eP	48 29.00 4.5X					SLR	64.19	173 eP	54 13.50 4.7X
HAU	14.37	316 eP	46 58.60 0.2	IFR	21.75	265 eP	48 25.00 -0.9					KSR	64.19	174 eP	54 07.00 -1.8
	0.7s	45.20nm	5.1mb			i	48 26.50					BFT	64.33	171 eP	54 12.50 2.7X
	Z	19s	2.03um			i	48 43.00					YAK	64.69	30 eP	54 17.70 6.2X
VITF	14.69	317 P	47 02.21 -0.3	ERUA	21.82	289 eP	48 29.31 3.0X								
HQL	14.75	124 eP	46 59.00 -4.3X	EVAL	21.93	276 eP	48 30.30 2.9X					BNH	65.79	308 P	54 19.20 0.3
BRN	15.03	341 eP	47 14.00 7.2X	EMON	21.99	292 eP	48 29.76 1.7					SEK	66.69	174 eP	54 20.10 -4.7X
SMF	15.11	308 eP	47 07.20 -0.9	NUR	22.21	5 eP	48 28.00 -1.9					FRS	67.95	176 eP	54 27.20 -5.3X
	1.2s	72.90nm	4.8mb		1.3s	194.80nm	5.4mb					CHG	69.20	82 eP	54 37.00 -3.7X
LBF	15.19	310 eP	47 08.30 -0.8		Z	14s	4.70um	5.1MszX				TBR	69.47	307 P	54 50.00 8.0X
	1.2s	89.25nm	4.9mb			i	48 36.80					BJI	69.92	55 eP	54 47.00 2.3
LQR	15.39	311 eP	47 10.60 -1.1			e	52 32.00					Z	20s	1.07um	5.1Msz
	1.4s	104.55nm	4.9mb	HFS	22.22	350 eP	48 28.70 -1.4								
AVF	15.48	308 eP	47 12.60 -0.2		0.6s	27.30nm	4.9mb					LVNJ	69.99	307 P	54 50.00 4.8X
	1.4s	74.05nm	4.7mb		Z	16s	5.15um	5.0MszX				WVLY	71.40	310 P	54 53.00 -0.8
SSF	15.51	309 eP	47 14.20 1.0			LR	56 10.00					CER	71.45	182 eP	55 06.70 12.8X
	1.2s	90.75nm	4.8mb	KONO	22.47	345 eP	48 33.50 1.0					INK	71.89	350 eP	54 56.00 -0.1
CAF	15.61	301 eP	47 15.00 0.4	COI	22.86	284 eP	48 40.00 3.5X					YKA	73.30	340 eP	55 12.30 7.7X
	1.2s	44.65nm	4.5mb	NAO	23.32	347 P	48 40.10 -0.7								
BGF	15.70	307 eP	47 15.70 0.1		0.8s	33.60nm	4.9mb					FFC	75.19	330 eP	55 15.00 -0.6
	1.1s	46.40nm	4.6mb	EKA	23.48	324 P	48 43.00 0.5								
EBR	16.05	285 eP	47 28.00 7.9X		0.8s	56.00nm	5.1mb					IMA	75.75	358 P	55 19.10 0.3
		eS	50 20.00	ESK	23.50	324 eP	48 42.50 -0.1								
RJF	16.10	301 eP	47 20.90 0.1		1.0s	320.00nm	5.8mb					FBA	76.63	355 e(P)	55 23.00 -0.6
	1.2s	38.70nm	4.4mb	ECP	23.53	315 eP	49 00.50 17.6X								
	Z	22s	2.17um		1.3s	205.00nm						JSC	78.00	304 eP	55 32.90 1.2
LPO	16.14	299 eP	47 22.10 0.8	ESY	23.59	326 eP	48 44.60 1.1					KLU	79.86	354 P	55 42.00 0.6
	1.1s	26.85nm	4.3mb		1.3s	175.00nm	5.4mb					BALM	79.96	352 e(P)	55 42.40 0.4
MEM	16.21	324 P	47 27.10 5.1X	AVE	23.62	266 iP	48 44.00 0.0					PMR	80.01	355 e(P)	55 44.10 2.1
ENN	16.35	324 ePc	47 29.00 5.2X			i	49 16.00								
	2.5s	334.00nm	5.0mb	IR7	23.66	87 eP	48 43.00 -1.5					SVW	80.77	358 e(P)	55 47.70 1.5
		e	47 36.00	ETA	23.66	316 eP	48 54.70 10.5X								
		e	53 20.00		1.4s	238.00nm						SLKM	81.15	356 e(P)	55 48.80 0.6
LFF	16.52	300 eP	47 26.60 0.6	EBL	23.69	325 eP	48 45.90 1.4					FVM	81.27	312 e(P)	55 40.00 -9.2X
	1.3s	72.20nm	4.6mb		1.1s	165.00nm	5.5mb					RSO	81.33	357 e(P)	55 49.60 0.3
DOU	16.56	320 Pc	47 30.20 3.7X	IR5	23.77	89 eP	48 45.00 -0.6					RSSD	84.03	324 P	56 00.00 -3.6X
	1.0s	163.90nm	5.1mb	IR1	23.80	88 eP	48 44.00 -1.9					MAT	85.48	46 eP	56 10.00 -0.7
	Z	10s	2.80um	ECB	23.84	315 eP	48 56.10 10.2X					TUL	85.81	313 eP	56 14.20 1.9
		i	47 39.00		1.1s	116.00nm									
WTS	16.84	328 eP	47 34.00 4.0X	IR4	24.02	88 eP	48 46.00 -2.0					Z	22s	36.46um	6.7MszX
	1.0s	47.00nm	4.6mb	DLF	24.11	317 eP	48 49.80 1.3								
		i	47 43.00	EDU	24.15	326 eP	48 50.10 1.2					PNT	85.97	335 eP	56 13.00 0.1
UCC	17.12	322 P	47 31.00 -2.5X	EBH	24.19	325 eP	48 49.40 0.1					NEW	86.03	333 P	56 13.80 0.5
		e	47 45.00		0.9s	133.00nm	5.5mb					LRM	86.32	329 eP	56 15.50 0.4
BSD	17.20	348 iPd	47 40.00 5.6X	ASK	24.24	341 eP	48 50.00 0.3					DPW	86.74	334 P	56 17.60 0.8
	0.6s	75.00nm	5.0mb	TIO	24.43	261 iP	48 53.00 1.0					BW06	87.58	326 eP	56 21.20 0.0
ASW	17.48	142 eP	47 38.00 -0.2			i	48 59.50								
DBN	17.62	326 eP	47 44.00 4.4X	HYA	24.58	343 eP	48 54.40 1.4					GOL	88.07	322 eP	56 29.00 5.4X
				VAL	25.66	312 P	49 13.00 9.7X					MEO	88.20	314 e(P)	56 27.30 3.3X
												DAU	90.24	326 P	56 36.60 2.6X

PV09 90.82 323 e(P) 56 35.00 -1.6
 DUG 91.10 327 P 56 38.40 0.7
 MSU 92.20 325 P 56 43.20 0.3
 ANMO 92.31 319 e(P) 56 45.00 1.6
 ALO 92.31 319 eP 56 44.00 0.6
 1.0s 2.50nm 4.6mb
 SIV 93.82 253 eP 56 54.00 3.8X
 WRA 120.10 92 PKP 02 23.00 -1.2
 0.4s 0.50nm
 WB2 120.11 92 ePKP 02 22.10 -2.1
 DZM 146.15 71 iPKPc 03 14.00 1.3
 S.D. = 1.2 on 222 of 323 obs.

& JUN 26, 1991 12h 07m 31.77s

63.499 N 150.789 W

DEPTH = 10.3km

CENTRAL ALASKA

<AEIC>. ML 2.9 (AEIC).

KTH 0.08 312 iP 07 34.05 -0.3
 TRF 0.23 102 iP 07 36.99 0.2
 HUR 0.74 135 iP 07 45.90 -0.3
 S 07 56.35
 MCK 0.86 73 eP 07 47.86 -0.5
 eS 08 00.46
 RND 0.87 95 iP 07 48.07 -0.5
 eS 07 59.85
 BWN 0.89 40 eP 07 49.38 0.5
 CUT 1.12 168 iP 07 52.83 0.0
 NEA 1.32 34 eP 07 55.67 -0.4
 eS 08 13.32
 WRH 1.54 49 eP 07 58.94 -0.3
 eS 08 19.88
 SKT 1.56 193 eP 07 59.13 -0.5
 eS 08 20.02
 CCB 1.75 47 eP 08 00.08 -2.1
 RDS 1.77 40 eP 08 00.48 -2.1
 MDM 1.84 36 eP 08 01.47 -2.2
 eS 08 26.58
 FBA 1.92 42 eP 08 02.20 -2.6
 GH0 1.94 153 eP 08 04.30 -0.8
 eS 08 28.66
 SML 2.04 145 eP 08 05.56 -1.0
 SUA 2.04 179 eP 08 06.47 -0.2
 eS 08 34.04
 PLRM 2.06 157 eP 08 06.21 -0.6
 PMR 2.06 157 eP 08 06.00 -0.8
 GLM 2.11 43 eP 08 05.37 -2.2
 NCG 2.20 197 eP 08 08.61 -0.3
 CGLM 2.27 195 eP 08 10.24 0.3
 SCM 2.31 135 eP 08 09.14 -1.4
 CRP 2.33 196 eP 08 11.56 0.7
 PMS 2.33 165 eP 08 11.68 0.9
 KNK 2.36 152 eP 08 11.50 0.4
 BGL 2.36 199 eP 08 12.60 1.3
 SPU 2.40 195 eP 08 11.86 0.1
 CKL 2.42 198 eP 08 13.16 1.1
 TTA 2.43 259 eP 08 14.60 2.4
 PAX 2.47 100 eP 08 12.68 0.0
 TOA 2.54 121 eP 08 13.83 0.1
 SDG 2.58 110 eP 08 14.51 0.2
 IMA 2.86 336 eP 08 15.50 -2.9
 TZL 2.87 118 eP 08 19.84 1.5
 SLKM 3.01 175 eP 08 20.76 0.4
 KLU 3.03 130 eP 08 21.18 0.6
 RDT 3.03 195 eP 08 21.18 0.5
 DFR 3.05 198 eP 08 22.12 1.2
 NCT 3.12 200 eP 08 22.48 0.6
 RDN 3.14 198 eP 08 23.69 1.5
 GLI 3.15 145 eP 08 22.33 0.1
 VZW 3.15 139 eP 08 22.57 0.3
 REF 3.15 197 eP 08 23.99 1.5
 VLZ 3.16 137 eP 08 22.45 0.1
 RDW 3.17 198 eP 08 23.98 1.2
 RS2 3.19 198 eP 08 24.63 1.6
 RSO 3.19 198 eP 08 23.88 0.9
 SVW 3.29 225 P 08 29.20 4.8
 KNIM 3.48 154 eP 08 25.76 -1.2
 LTI 3.74 157 eP 08 29.32 -1.4
 MTU 3.83 156 eP 08 30.89 -1.0
 GLB 3.84 119 eP 08 32.80 0.6
 CNPM 3.99 183 eP 08 36.02 1.7
 BALM 4.65 118 eP 08 42.43 -1.4

55 obs. associated

% JUN 26, 1991 12h 34m 53.96 ± 1.06s
 37.940 N ± 9.1km 6.315 W ± 9.3km

DEPTH = 10.0km (geophysicist)
 SPAIN (377)
 mbLg 2.7 (MDD).

EVAL 0.49 224 iP 35 03.00 -1.0
 eS 35 09.80
 EH0R 0.85 98 eP 35 09.60 -0.8
 eS 35 22.20
 EPRU 1.30 138 eP 35 18.50 0.5
 eS 35 36.30
 EJIF 1.63 155 eP 35 24.30 1.5
 eS 35 46.00
 EPLA 2.13 5 eP 35 31.00 0.9
 eS 35 59.40
 EVIA 3.08 76 eP 35 42.50 -1.1
 S.D. = 1.4 on 6 of 6 obs.

? JUN 26, 1991 12h 36m 41.59 ± 2.82s
 38.254 N ± 29.9km 21.015 E ± 11.7km
 DEPTH = 10.0km (geophysicist)

GREECE (364)

AGG 1.28 53 ePd 37 04.74 -0.7
 eS 37 19.74
 LIT 2.17 31 iPd 37 18.66 0.4
 eS 37 48.98
 OHR 2.86 357 ePn 37 27.20 -0.9
 SOH 3.14 34 ePd 37 32.14 0.1
 eS 38 08.58
 VAY 3.29 21 ePn 37 35.00 0.9
 SKO 3.73 5 ePn 37 27.40 -13.0X
 i 37 34.30
 i 37 49.60
 CZI 3.94 286 P 37 43.40 0.1
 eSn 38 23.40
 S.D. = 0.8 on 6 of 7 obs.

& JUN 26, 1991 13h 02m 06.93s
 59.018 N 152.557 W

DEPTH = 59.7km

SOUTHERN ALASKA

<AEIC>.

SYI 0.42 168 iPc 02 17.39 -0.7
 eS 02 25.31
 AUE 0.54 310 iPc 02 19.11 -0.3
 eS 02 29.29
 AUI 0.55 306 ePd 02 18.93 -0.6
 eS 02 28.28
 CDD 0.57 262 iPd 02 19.00 -0.8
 eS 02 28.36
 AUH 0.57 308 ePc 02 19.24 -0.6
 XLV 0.61 44 ePc 02 19.53 -0.7
 eS 02 29.38
 HOM 0.79 36 iPd 02 22.07 -0.4
 eS 02 32.65
 CNPM 0.85 53 iPd 02 22.64 -0.5
 MCNL 0.93 281 ePd 02 23.37 -0.9
 PDB 1.14 313 ePc 02 25.84 -1.1
 eS 02 40.25
 >NNL 1.21 31 iPd 02 28.16 0.2
 KDC 1.27 178 eP 02 28.50 -0.3
 RSO 1.45 356 iPd 02 30.52 -1.0
 eS 02 49.82
 RS2 1.45 356 ePd 02 30.58 -0.9
 RDW 1.48 355 ePd 02 30.75 -1.0
 REF 1.48 357 ePd 02 30.92 -0.9
 RDN 1.50 356 iPd 02 31.25 -0.9
 eS 02 50.37
 NCT 1.56 353 ePd 02 31.96 -0.9
 eS 02 51.59
 RDT 1.56 3 iPd 02 31.89 -1.0
 iS 02 51.51
 DFR 1.58 358 iPd 02 32.29 -0.9
 eS 02 52.09
 NKA 1.85 20 eP 02 37.81 1.0
 SLKM 1.91 37 ePc 02 36.16 -1.5
 SEW 1.92 54 eP 02 35.58 -2.2
 SPU 2.19 6 iPd 02 40.95 -0.6
 CKL 2.19 3 ePd 02 41.09 -0.6
 eS 03 08.03
 BGL 2.25 2 ePc 02 42.33 -0.2
 CRP 2.27 5 ePc 02 41.79 -1.0
 CGLM 2.31 7 ePc 02 42.89 -0.5
 NCG 2.40 5 ePc 02 44.32 -0.3
 SVW 2.60 325 iPd 02 47.30 -0.1
 0.3s 28.36nm

LTI 2.61 65 ePc 02 45.60 -1.8
 SUA 2.62 19 ePc 02 46.82 -0.8
 MTU 2.68 67 ePc 02 46.79 -1.7
 PMS 2.69 33 ePd 02 47.40 -1.3
 KNIM 2.79 59 eP 02 47.32 -2.7
 PWA 2.96 26 eP 02 51.65 -0.8
 SKT 3.02 9 eP 02 52.43 -0.9
 PLRM 3.09 32 ePd 02 52.26 -2.1
 PMR 3.09 32 eP 02 52.00 -2.3
 KNK 3.16 39 ePc 02 53.25 -2.0
 GH0 3.30 32 ePc 02 55.38 -2.0
 GLI 3.32 53 ePd 02 54.18 -3.4
 SML 3.50 35 ePc 02 58.03 -2.0
 CUT 3.58 17 ePc 03 00.12 -1.0
 VZW 3.64 53 eP 02 59.26 -2.8
 VLZ 3.77 53 eP 03 01.44 -2.4
 SCM 3.83 40 ePc 03 02.69 -2.1
 KLU 4.13 50 eP 03 06.32 -2.7
 HUR 4.22 18 eP 03 09.29 -0.9
 TOA 4.42 43 eP 03 10.64 -2.4
 TRF 4.58 13 eP 03 14.08 -1.3
 KTH 4.62 9 eP 03 14.91 -0.9
 TZL 4.65 46 eP 03 12.05 -4.1
 RND 4.75 21 eP 03 15.75 -2.0
 GLB 4.99 57 eP 03 18.06 -3.0
 TGL 5.20 66 eP 03 21.13 -2.9
 BALM 5.51 64 eP 03 24.84 -3.5
 MDM 6.30 17 eP 03 36.39 -3.0
 FBA 6.31 19 P 03 36.30 -3.2

59 obs. associated

* JUN 26, 1991 13h 27m 00.85 ± 1.35s
 27.017 S ± 9.1km 63.171 W ± 26.6km
 DEPTH = 566.8 ± 18.2 km
 4.4mb (1 obs.)

SANTIAGO DEL ESTERO PROV., ARG. (132)

PEL 8.92 225 iPc 29 09.00 0.1
 0.8s 22.39nm 4.4mb
 TACH 9.42 224 eP 29 14.00 0.2
 LNV 9.91 224 iP 29 18.50 -0.2
 CNCB 11.09 335 iPd 29 31.20 -0.1
 i 31 31.00
 SIV 11.14 11 Pd 29 31.40 0.2
 LPB 11.39 335 P 29 34.20 0.1
 e 31 43.00
 ZOBO 11.64 336 Pd 29 36.00 -0.8
 i 31 40.00
 ARE 13.03 322 eP 29 51.00 0.6
 eS 32 15.00
 YAK 143.96 350 iPKPc 45 32.70 0.0
 S.D. = 0.5 on 9 of 9 obs.

* JUN 26, 1991 14h 28m 25.55 ± 0.98s
 24.131 N ± 12.5km 108.246 W ± 13.1km
 DEPTH = 10.0km (geophysicist)
 4.3mb (5 obs.) 4.1msz (1 obs.)

GULF OF CALIFORNIA (49)

GLA 10.60 328 eP 31 02.00 1.4
 ALO 10.89 8 eP 31 06.00 1.4
 2.0s 58.82nm 5.6mb X
 ANMO 10.89 8 eP 31 06.00 2.1
 2.0s 51.47nm 5.5mb X
 BAR 11.29 321 eP 31 13.00 3.0X
 PLM 11.89 323 eP 31 19.00 0.7
 TPC 12.05 327 eP 31 13.00 -7.3X
 GSC 13.38 328 eP 31 36.00 -2.1
 SBB 13.42 324 eP 31 53.00 14.4X
 MEO 13.54 36 e(P) 31 38.00 -2.1
 CLC 14.18 327 eP 31 47.00 -1.5
 ISA 14.50 325 eP 31 57.00 4.1X
 SYP 14.55 318 eP 31 56.00 2.5
 GOL 15.71 8 eP 32 12.00 3.2X
 1.0s 15.00nm 4.2mb
 TNP 15.87 333 iP 32 10.20 -0.6
 2.0s 91.07nm 4.6mb
 TUL 15.92 40 e(P) 32 18.20 6.9X
 1.0s 18.30nm 4.2mb
 Z 20s 0.84um 4.3msz
 LR 37 03.00
 FRI 16.16 325 eP 32 15.10 0.8
 e 32 21.50
 PRS 16.61 320 eP 32 19.50 -0.5
 e 32 26.00
 CMB 17.30 326 eP 32 28.00 -0.8
 e 32 34.30

26d 14h

BW06 18.63 357 iP 32 45.10 -0.3
 1.0s 7.50nm 3.8mb
 ORV 19.02 327 eP 32 48.00 -2.0
 LRM 21.91 352 eP 33 11.60 -9.3X
 NEW 25.09 346 eP 33 51.00 -0.7
 INK 46.80 347 eP 37 02.00 5.3X
 MBC 52.46 357 eP 37 41.50 1.3
 0.8s 5.00nm 4.5mb
 ZOBO 56.09 132 P 38 12.00 3.8X
 Z 20s 0.18um 4.1msz
 LR 52 48.00
 LPB 56.30 132 eP 38 09.00 -0.5
 CNCB 56.57 132 P 38 13.00 1.4
 SIV 60.92 126 Pc 38 40.60 -0.6
 38 49.40
 WRA 122.25 261 PKP 47 26.00 3.1X
 1.0s 0.90nm
 S.D. = 1.5 on 19 of 29 obs.

* JUN 26, 1991 14h 34m 43.06±0.86s
 8.323 N ±12.4km 94.165 E ±8.6km
 DEPTH = 33.0km (normal)
 4.9mb (5 obs.)
 NICOBAR ISLANDS REGION (704)

SNG 6.49 100 eP 36 18.00 -0.8
 eS 38 40.40
 NNT 6.93 52 eP 36 25.20 0.3
 PSI 7.33 139 ePd 35 34.00 -56.5X
 IPM 7.77 118 ePd 36 42.70 6.0X
 0.3s 11.10nm 5.4mb
 e 36 54.70
 CHG 11.41 24 eP 37 28.00 1.1
 HYB 17.69 302 eP 38 49.00 0.3
 KMI 18.60 25 Pd 39 05.00 4.9X
 Z 14s 0.50um
 eS 42 36.00
 PKI 20.86 338 P 39 24.08 -1.1
 GUN 21.00 339 P 39 25.98 -0.6
 DMN 21.01 337 P 39 26.58 0.0
 KKN 21.11 338 P 39 26.42 -1.1
 GKN 21.54 337 P 39 31.18 -0.7
 NDI 25.79 324 eP 40 13.00 0.2
 LZH 29.01 16 eP 40 46.50 4.2X
 2.0s 35.00nm 4.7mb
 Z 16s 0.29um 4.0mszx
 E 12s 0.26um
 BJI 37.20 28 eP 42 01.50 8.5X
 WB2 48.51 126 eP 43 25.20 0.0
 YAK 59.56 19 eP 44 51.60 6.0X
 ZST 75.22 318 eP 46 36.00 11.7X
 HFS 78.08 330 eP 46 40.50 0.5
 1.4s 29.00nm 5.1mb
 NAO 79.53 330 P 46 49.90 2.0
 0.8s 2.70nm 4.3mb
 EKA 87.37 325 P 47 33.00 5.0X
 0.9s 7.20nm 4.9mb
 S.D. = 1.0 on 13 of 21 obs.

? JUN 26, 1991 14h 41m 36.62±0.93s
 38.426 N ±7.7km 20.810 E ±14.1km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 MD 3.0 (ATH).

VLS 0.30 215 ePb 41 43.00 0.1
 KEK 1.51 329 ePb 42 08.50 4.8X
 KZN 2.02 21 ePn 42 14.50 3.3X
 VLI 2.40 135 ePn 42 16.50 -0.1
 OHR 2.68 360 ePn 42 19.90 -0.7
 VAY 3.19 25 ePn 42 34.00 6.2X
 SKO 3.57 8 ePn 42 34.00 0.8
 S.D. = 1.1 on 4 of 7 obs.

? JUN 26, 1991 14h 57m 38.80±17.05s
 34.535 S ±142.4km 71.052 W ±19.4km
 DEPTH = 33.0km (normal)
 NEAR COAST OF CENTRAL CHILE (135)
 Felt (11) at Santiago.

LNV 0.65 333 iPc 57 51.50 0.0
 TACH 0.89 6 iPd 57 55.00 0.1
 PCH 1.02 26 iPd 57 56.90 0.1
 iS 58 15.50
 SAN 1.13 17 iPd 57 58.30 -0.1
 iS 58 18.00
 PEL 1.42 13 iPd 58 02.50 -0.1

iS 58 25.50
 S.D. = 0.1 on 5 of 5 obs.
 JUN 26, 1991 15h 18m 34.71±0.74s
 21.056 S ±4.7km 69.561 W ±6.1km
 DEPTH = 114.3 ±6.8 km
 4.7mb (15 obs.)
 NORTHERN CHILE (123)
 Felt (V) at Arico and (IV) at
 Iquique.

CNCB 4.48 20 P 19 43.00 0.8
 LPB 4.71 17 P 19 46.50 1.3
 1.0s 2020.00nm
 eS 20 44.00

ARE 4.92 338 iP 19 42.00 -6.0X
 iS 20 36.50
 ZOBO 4.95 16 Pc 19 48.00 -0.6
 i 20 12.00
 SIV 9.50 59 Pc 20 46.00 -4.0X
 ZON 10.48 176 e(P) 21 04.00 0.9
 NNA 11.40 321 eP 21 13.70 -1.7
 0.5s 7.75nm 4.7mb
 eS 23 05.50
 MDZ 11.80 177 eP 21 16.40 -4.1X
 PEL 12.08 185 eP 21 23.00 -1.2
 LNV 12.95 187 eP 21 40.00 4.4X
 ITB1 14.44 107 e(P) 21 55.00 0.2
 ITB 14.62 108 e(P) 21 52.00 -5.2X
 ITB7 14.72 109 e(P) 21 59.50 1.0
 VAO 21.03 99 eP 23 09.20 -1.9
 e 23 12.80
 i 23 28.60
 e 23 48.00

SDV 29.77 358 eP 24 31.50 -1.4
 SOB1 30.01 71 eP 24 34.50 -0.4
 e 24 37.10
 e 24 56.60

TOV 30.65 360 eP 24 39.40 -1.1
 JSC 56.14 348 iP 28 04.10 -0.5
 BLA 58.85 350 eP 28 23.60 0.0
 TUL 61.86 336 iPc 28 42.40 -1.6
 1.0s 3.30nm 4.3mb
 e 28 57.40

FVM 61.92 341 iP 28 43.20 -1.1
 1.0s 65.00nm 5.6mb
 62.03 356 iP 28 45.20 0.2
 ALO 65.79 327 eP 29 09.00 -0.9
 0.9s 6.93nm 4.6mb
 e 29 24.80

ANMO 65.80 327 iP 29 09.70 -0.2
 1.2s 12.11nm 4.7mb
 e 29 24.80
 LIC 68.85 74 P 29 29.40 0.2
 GLA 69.01 320 eP 29 45.00 15.1X
 TIC 69.03 74 P 29 30.70 0.3
 GOL 69.07 331 iP 29 30.00 -0.5
 1.0s 19.00nm 4.9mb
 e 29 45.00

SPA 69.07 180 iPc 29 29.30 -0.7
 1.0s 22.00nm 4.9mb
 KIC 69.16 74 P 29 31.30 0.1
 LKO 69.79 71 P 29 35.02 0.0
 0.5s 12.50nm 5.0mb

BAR 69.87 319 eP 29 36.00 0.8
 PLM 70.44 319 iP 29 37.90 -1.0
 i 30 01.00
 TPC 70.47 320 eP 29 40.00 1.2
 e 29 54.00

RVR 71.19 319 eP 29 44.00 0.9
 GSC 71.75 321 eP 29 47.00 0.5
 SBB 71.94 320 eP 29 48.00 0.4
 e 30 03.00

CLC 72.57 321 eP 29 52.00 0.7
 ISA 72.99 320 eP 29 54.00 0.2
 e 30 09.00

BW06 73.43 330 iP 29 56.10 -0.3
 1.0s 5.00nm 4.3mb
 e 30 11.00

TNP 73.91 323 iP 30 00.50 1.2
 1.0s 7.25nm 4.4mb
 i 30 15.20

LLA 75.11 319 eP 30 05.60 -0.4
 PRS 75.19 319 eP 30 07.00 0.6
 SCH 75.60 2 eP 30 09.00 0.7
 CMB 75.71 321 eP 30 17.30 7.9X
 GCC 76.02 319 eP 30 12.20 1.1

SBA 76.15 190 P 30 12.10 0.9
 LRM 77.10 331 eP 30 18.00 0.8
 e 30 33.30

ORV 77.37 321 eP 30 19.90 1.4
 CER 77.81 121 iPd 30 20.40 -0.9
 0.7s 7.50nm 4.6mb
 WDC 78.64 322 eP 30 24.50 -1.0
 FFC 80.42 342 eP 30 35.00 0.3
 0.8s 8.00nm 4.6mb

NEW 81.06 330 eP 30 38.20 0.0
 PNT 82.97 330 eP 30 49.00 0.9
 0.8s 16.00nm 5.0mb
 MAW 84.93 164 eP 30 58.00 0.3
 SEK 86.24 119 iPd 31 07.90 2.7X
 0.7s 6.85nm 4.7mb

YKA 90.57 341 eP 31 25.00 0.4
 0.8s 8.20nm 4.9mb
 WB2 133.01 211 iPKPc 37 38.90 -0.1
 WRA 133.02 211 PKP 37 38.00 -1.0
 0.6s 4.80nm

YAK 136.95 347 ePKP 37 44.10 -1.0
 KOD 146.55 104 ePKP 38 07.10 3.3X
 GBA 147.68 98 PKPc 38 05.90 0.8
 0.8s 10.40nm

IRK 148.48 7 ePKPc 38 10.30 4.9X
 e 38 26.30
 HYB 149.70 91 ePKP 38 14.50 6.2X
 e 38 20.30
 e 38 31.00

MAT 151.32 309 ePKP 38 16.00 5.8X
 0.8s 8.21nm
 GKN 155.56 68 PKP 38 00.00 -16.6X
 BJI 160.45 347 ePKP 38 40.00 18.3X
 S.D. = 0.9 on 53 of 67 obs.

* JUN 26, 1991 15h 27m 32.61±0.79s
 45.871 N ±10.5km 21.064 E ±10.1km
 DEPTH = 33.0km (normal)
 ROMANIA (358)

TIM 0.17 141 ePc 27 38.00 -1.0
 UZD 1.87 294 e(Pn) 28 03.30 0.5
 BMR 2.46 42 ePd 29 02.00 50.8X
 SRO 2.71 317 eP 28 55.00 40.3X
 CMP 2.86 101 ePc 28 22.00 5.1X
 SPC 3.37 351 eP 28 39.70 15.4X
 e 29 40.30

MLR 3.44 95 ePd 28 26.00 0.7
 e 33 31.00
 PTJ 3.57 272 eP 28 35.70 8.7X
 ZST 3.57 312 eP 28 26.50 -0.5
 SKO 3.91 176 ePn 28 22.00 -9.8X
 VAY 4.68 166 ePn 28 42.30 -0.4
 OHR 4.76 182 ePn 28 44.70 0.7
 S.D. = 0.9 on 6 of 12 obs.

? JUN 26, 1991 15h 42m 41.73±2.09s
 17.106 N ±13.5km 147.739 E ±39.9km
 DEPTH = 33.0km (normal)
 MARIANA ISLANDS REGION (215)

PJG 4.46 219 eP 43 48.50 -0.4
 GUMO 4.46 219 eP 43 49.10 0.2
 eS 44 49.00
 GUA 4.47 218 eP 43 49.20 0.1
 MAT 21.12 338 (P) 47 26.00 0.0
 WB2 39.10 200 eP 50 07.80 0.0

S.D. = 0.3 on 5 of 5 obs.

* JUN 26, 1991 15h 48m 05.81±1.70s
 8.246 N ±21.4km 94.240 E ±12.6km
 DEPTH = 33.0km (normal)
 4.1mb (3 obs.)
 NICOBAR ISLANDS REGION (704)

SNG 6.41 99 eP 49 40.40 0.0
 eS 52 03.60
 NNT 6.92 51 eP 49 47.00 -0.5
 IPM 7.66 118 ePd 50 03.90 5.9X
 e 51 30.10

CHG 11.45 23 eP 50 56.00 5.8X
 CHTO 11.45 23 eP 50 51.00 0.8
 0.9s 2.34nm 4.4mb

KMI 18.64 25 eP 52 26.50 3.2X
 PKI 20.96 338 P 52 49.62 0.7
 GUN 21.09 339 P 52 48.60 -1.7
 DMN 21.11 337 P 52 51.84 1.5

GKN 21.20 338 P 52 51.60 0.3
 GKN 21.64 336 P 52 53.94 -1.7
 BJI 37.23 28 eP 55 25.00 9.0X
 WB2 48.41 126 eP 56 53.40 6.3X
 HFS 78.19 330 eP 00 03.90 0.6
 0.5s 1.00nm 4.1mb
 NAO 79.64 330 P 00 16.10 4.8X
 0.7s 1.10nm 4.0mb
 S.D. = 1.3 on 9 of 15 obs.

* JUN 26, 1991 16h 14m 06.10 ± 2.79s
 16.625 N ± 20.4km 98.957 W ± 11.0km
 DEPTH = 115.0 ± 35.3 km
 NEAR COAST OF GUERRERO, MEXICO (58)
 Felt along the coast of Guerrero
 from Acapulco to Coyuca.

ACX 0.90 286 iP 14 27.50 0.5
 IS 14 38.00
 III 1.81 344 iP 14 36.50 -1.1
 IS 14 59.00
 VHO 2.18 78 (P) 14 42.00 -0.3
 (S) 15 15.00
 OXX 2.19 78 eP 14 47.50 5.1X
 IS 15 17.00
 TPM 2.35 358 iP 14 44.50 0.0
 (S) 15 10.00
 PPM 2.45 7 iP 14 46.00 -0.1
 IS 15 17.00
 IIT 2.46 14 iP 14 46.50 0.4
 IS 15 18.00
 UNM 2.70 355 eP 14 51.00 1.8
 (S) 15 23.50
 TAC 2.77 355 (P) 14 48.00 -2.2
 (S) 15 11.00
 IISM 2.79 32 iP 14 51.50 1.4
 CGX 5.26 306 eP 15 24.00 0.1
 S.D. = 1.4 on 10 of 11 obs.

* JUN 26, 1991 16h 17m 24.23 ± 1.20s
 2.749 S ± 8.1km 119.655 E ± 12.8km
 DEPTH = 53.7 ± 14.9 km
 4.2mb (5 obs.)

SULAWESI (268)
 MKS 2.46 184 iPd 18 03.30 0.6
 IS 18 48.50
 BKB2 3.13 298 iPc 18 01.40 -10.8X
 7.0s 483.50nm
 MNI 6.65 51 ePc 19 02.00 0.3
 TSM 7.10 347 ePd 19 07.00 -1.1
 KM 9.39 339 ePc 19 42.20 2.5X
 GP 12.21 24 iPd 20 30.00 12.1X
 IPM 19.99 291 ePd 22 03.90 8.7X
 WB2 22.32 141 iPd 22 16.00 -2.7X
 ASPA 24.95 148 eP 22 39.40 -4.8X
 1.2s 4.00nm 3.8mb
 Z 23s 0.30um 3.7MszX
 STK 35.58 147 eP 24 17.30 -1.3
 0.6s 1.30nm 4.0mb
 BJI 42.70 356 eP 25 19.00 1.5
 GUN 44.55 315 P 25 33.16 -0.1
 0.6s 21.00nm 5.1mb
 PKI 44.68 315 P 25 34.38 0.1
 0.7s 6.00nm 4.5mb
 KKN 44.90 315 P 25 35.94 0.1
 GBA 44.92 292 Pd 25 35.60 -0.2
 0.4s 1.10nm 4.0mb
 DMN 44.92 315 P 25 36.86 0.8
 GKN 45.49 315 P 25 39.60 -0.8
 YAK 65.05 5 eP 27 42.40 -18.4X
 S.D. = 1.0 on 11 of 18 obs.

* JUN 26, 1991 16h 27m 19.75 ± 2.97s
 17.714 N ± 24.5km 61.618 W ± 15.9km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)
 ML 3.8 (FDF).

CPB 0.21 250 eP 27 26.18 -0.3
 eS 27 32.66
 BPA 0.70 199 iPd 27 32.34 -0.9
 S 27 42.00
 NEV 1.08 238 ePd 27 39.06 0.5
 S 27 55.90
 MGH 1.14 210 ePd 27 39.66 0.2
 S 27 57.40

DEG 1.49 159 ePd 27 44.39 -0.2
 PAG 1.68 182 eP 27 47.20 0.0
 S 28 11.00
 MGG 1.81 171 eP 27 49.60 0.5
 BBL 2.18 176 eP 27 54.70 0.2
 S.D. = 0.5 on 8 of 8 obs.

* JUN 26, 1991 16h 51m 59.66 ± 1.43s
 24.567 N ± 7.9km 122.537 E ± 16.4km
 DEPTH = 29.8 ± 11.1 km
 4.2mb (1 obs.)

TAIWAN REGION (243)

TWC 0.63 274 iPd 52 12.30 0.2
 eS 52 19.50
 TWD 0.99 241 iPc 52 16.90 -0.5
 TWZ 1.02 301 iPd 52 18.10 0.2
 ANP 1.11 304 eP 52 19.50 0.2
 TWK 2.28 236 ePc 52 36.10 0.1
 eS 53 01.50
 SSE 6.61 350 Pnc 53 37.00 -0.3
 0.6s 23.00nm 5.2mb X
 eSn 55 06.50
 WRA 45.71 164 P 00 20.00 0.0
 0.9s 3.00nm 4.2mb
 WB2 45.71 164 iPc 00 20.20 0.2
 S.D. = 0.4 on 8 of 8 obs.

? JUN 26, 1991 17h 03m 46.77 ± 0.87s
 12.054 N ± 32.4km 143.917 E ± 60.4km
 DEPTH = 33.0km (normal)
 4.5mb (2 obs.)

SOUTH OF MARIANA ISLANDS (210)

GUA 1.77 33 eP 04 15.90 0.4
 GUMO 1.78 31 eP 04 15.30 -0.5
 eS 04 37.00
 PJG 1.78 31 eP 04 15.70 -0.1
 MKS 29.76 236 iPc 09 23.50 -29.2X
 WB2 33.16 197 eP 10 22.40 -0.1
 INK 76.13 22 eP 15 32.00 -0.8
 MBC 79.98 14 eP 15 54.00 0.2
 0.6s 5.00nm 4.7mb
 YKA 84.64 27 eP 16 18.90 0.8
 0.4s 1.00nm 4.4mb
 S.D. = 0.6 on 7 of 8 obs.

? JUN 26, 1991 17h 25m 49.57 ± 0.95s
 16.735 N ± 14.2km 143.401 E ± 32.2km
 DEPTH = 33.0km (normal)
 4.1mb (1 obs.)

MARIANA ISLANDS REGION (215)

GUMO 3.43 155 eP 26 42.00 -0.1
 eS 27 28.30
 PJG 3.43 155 eP 26 42.00 -0.1
 GUA 3.50 155 e(P) 26 43.20 0.2
 0.4s 54.24nm
 MAT 20.26 348 eP 30 25.00 0.0
 1.0s 9.00nm 4.1mb
 WB2 37.52 194 iPc 33 02.40 0.0
 i 33 13.40
 WRA 37.52 194 P 33 16.00 13.6X
 0.8s 2.40nm
 S.D. = 0.2 on 5 of 6 obs.

* JUN 26, 1991 17h 35m 52.42 ± 0.94s
 0.110 N ± 14.5km 135.628 E ± 13.3km
 DEPTH = 33.0km (normal)
 3.1mb (1 obs.)

WEST IRIAN REGION (196)

YYYY 12.09 122 iPc 38 45.70 0.1
 LAT 13.19 121 e(P) 38 51.30 -0.7X
 PMC 14.87 130 eP 39 22.00 -0.1
 PLP 15.25 316 eP 39 37.00 9.9X
 MAP 15.40 312 eP 39 29.00 0.0
 WB2 19.97 184 eP 40 25.00 0.0
 WRA 19.97 184 P 40 25.00 0.0
 1.1s 1.00nm 3.1mb
 S.D. = 0.1 on 5 of 7 obs.

? JUN 26, 1991 19h 41m 45.92 ± 9.82s
 18.971 N ± 34.7km 67.677 W ± 70.3km
 DEPTH = 10.0km (geophysicist)

MONA PASSAGE (89)

LRS 1.04 130 P 42 05.40 -0.1
 S 42 24.40
 MGP 1.11 150 P 42 06.00 -0.7
 PORP 1.34 133 P 42 10.70 0.0
 CLLP 1.37 130 P 42 11.20 0.2
 SJG 1.68 120 iP 42 16.70 1.1
 LPR 1.84 111 P 42 16.20 -1.6
 CPD 1.91 119 P 42 19.00 0.1
 S.D. = 1.0 on 7 of 7 obs.

JUN 26, 1991 19h 56m 47.12 ± 0.76s
 10.357 N ± 4.4km 125.151 E ± 6.7km
 DEPTH = 37.4 ± 7.5 km
 5.0mb (14 obs.) 4.5Msz (4 obs.)
 LEYTE, PHILIPPINE ISLANDS (256)

PLP 0.82 348 iPd 57 02.00 -0.3
 MAP 1.15 268 iPc 57 04.00 -3.0X
 IS 57 21.00
 CGP 1.94 193 iPc 57 16.00 -2.3
 IS 57 41.00
 DAV 3.28 173 eP 57 38.00 0.7
 PGP 5.16 308 iPc 58 04.00 0.0
 1.0s 83.00nm 5.1mb
 QCP 5.82 317 eP 58 44.00 30.6X
 PPR 6.35 265 eP 58 21.00 0.2
 eS 59 18.00
 BAG 7.48 324 eP 58 36.00 -0.8
 CVP 7.99 337 eP 58 45.50 1.8
 0.8s 52.00nm 5.6mb
 MNI 8.86 182 ePd 58 59.00 3.2X
 TSM 9.30 230 eP 59 13.00 11.2X
 ANP 15.15 347 eP 00 20.00 -0.2
 HKC 15.87 320 eP 00 31.00 1.6
 GUMO 19.55 79 e(P) 01 16.40 1.6
 GUA 19.59 79 e(P) 01 21.00 5.7X
 eS 05 03.00
 SSE 20.96 350 Pc 01 29.50 0.1
 1.2s 34.00nm 4.6mb
 Z 20s 2.30um 4.6Msz
 E 13s 1.30um

S 05 20.00
 sS 05 28.00
 SS 06 03.00
 KGM 23.22 251 ePc 01 52.40 0.5
 MTN 23.80 165 eP 01 58.60 1.0
 IPM 24.59 258 ePc 02 12.90 7.6X
 0.9s 54.70nm 5.1mb
 KMI 25.85 308 Pd 02 18.50 1.1
 1.7s 30.00nm 4.6mb
 Z 16s 1.60um 4.6MszX
 sP 02 28.50
 eS 06 20.00
 CHG 26.69 291 eP 02 25.00 0.1
 eS 07 06.00
 MAT 28.62 22 (P) 02 40.00 -2.3X
 0.9s 5.04nm 4.2mb
 Z 19s 1.04um 4.5Msz
 BJI 30.62 346 eP 02 58.50 -1.5
 1.2s 20.00nm 4.8mb
 Z 20s 1.19um 4.5Msz
 eS 07 40.00
 WB2 31.44 163 eP 03 06.10 -1.4
 e 05 13.00
 e 06 00.40
 LZH 32.09 326 iPc 03 13.00 -0.1
 2.0s 85.00nm 5.3mb
 Z 24s 1.75um 4.7MszX
 N 20s 3.01um

pP 03 23.50 38kmX
 PP 04 27.50
 eS 08 24.00
 QIS 33.85 155 iPd 03 27.30 -1.1
 ASPA 34.88 166 eP 03 35.60 -1.7
 1.0s 19.00nm 5.0mb
 Z 20s 1.20um 4.6Msz
 eS 09 06.30
 SHL 34.94 300 iP 03 37.50 -0.6
 iS 09 12.00
 WARB 36.35 178 eP 03 50.00 0.3
 GUN 40.78 301 P 04 27.60 0.5
 FORR 41.07 176 eP 04 29.00 0.2
 PKI 41.08 300 P 04 29.36 -0.1
 KKN 41.25 301 P 04 30.78 0.0
 DMN 41.34 300 P 04 31.50 -0.1
 GKN 41.85 301 P 04 35.56 -0.1
 STK 44.85 160 iPc 05 00.50 0.8

26d 20h

	0.8s		8.00nm		4.6mb	MMN	2.82	253 P	02	17.40	2.0				Sn	06	17.80		
		e	06	45.10		KKB	2.91	67 iPc	02	17.00	0.4	CDF	11.56	315 Pn	04	15.40	-2		
IRK	45.09	342 eP	05	00.00	-1.4	SOH	2.93	88 ePd	02	17.16	0.2	HAU	11.84	312 Pn	04	18.30	-2		
		e	05	22.00				eS	02	47.36					Sn	06	25.20		
		e	11	54.00		CZI	3.02	240 P	02	19.20	1.1	LBF	12.78	304 Pn	04	30.20	-3.		
		e	12	20.00		MGR	3.07	259 P	02	20.10	1.2	LOR	12.97	305 Pn	04	36.00	-0.4		
HYB	45.69	284 eP	05	06.70	0.1	GRI	3.08	231 P	02	18.60	-0.4	HFS	19.70	351 eP	06	06.00	4.4		
GBA	46.73	279 Pd	05	15.30	0.5	SRS	3.12	83 ePd	02	19.64	0.0		0.5s	1.00nm			3.4mb		
ADE	46.87	165 eP	05	15.60	-0.1	SGO	3.19	267 P	02	21.40	0.9	NAO	20.75	348 P	06	13.00	0.4		
	0.8s	82.09nm			5.8mb	HVAR	3.29	317 iPnd	02	22.10	0.1		0.6s	1.00nm			3.4mb		
BWA	49.71	155 eP	05	39.40	1.6	MMB	3.29	75 iPc	02	22.00	-0.1	EKA	20.86	322 Pd	06	12.50	-1.2		
CAN	50.72	155 eP	05	47.50	2.1	VTS	3.31	56 iPc	02	23.00	0.5		0.7s	3.90nm			3.9mb		
YAK	51.67	3 iPc	05	50.60	-1.6	PAIG	3.31	104 ePd	02	21.72	-0.6	S.D. = 1.2 on 89 of 102 obs.							
		i	06	02.00				iS	03	00.72		% JUN 26, 1991 20h 15m 31.07± 1.61s							
		e	06	46.00		OUR	3.45	96 ePc	02	24.28	0.0	43.777 N ± 7.2km 13.130 E ± 13.1km							
		eS	12	54.00		SOI	3.80	226 P	02	28.00	-1.3	DEPTH = 10.0km (geophysicist)							
DZM	51.76	129 iPc	05	53.10	-0.5	DUI	3.89	285 P	02	32.20	1.5	CENTRAL ITALY (381)							
INK	84.61	21 eP	09	17.00	-0.7	RZN	4.04	75 iPc	02	32.00	-0.8	ARV	0.31	206 P	15	37.70	0.2		
MBC	85.87	13 eP	09	23.50	-0.4	ATN	4.08	231 P	02	34.30	1.1			eSg	15	42.70			
	1.0s	12.00nm			5.1mb	PLD	4.13	70 iPc	02	34.00	0.1	RSM	0.51	287 P	15	42.50	1.0		
YKA	94.12	24 eP	10	02.40	-0.5	RFI	4.20	279 P	02	36.24	1.4	ASS	0.78	206 P	15	46.10	-0.3		
	1.0s	3.50nm			4.7mb	ATH	4.32	129 ePn	02	35.00	-1.6			eSg	15	57.20			
UPA	148.81	53 ePKP	16	32.20	2.9X	SDI	4.38	284 P	02	38.60	1.1	CRE	0.87	261 P	15	48.30	0.5		
ZOBO	165.81	116 PKP	16	51.00	0.5	KDZ	4.55	77 iPd	02	38.00	-1.9			eSg	15	56.90			
		LR	14	16.00		RDO	4.59	84 iPnd	02	39.80	-0.7	SFI	0.94	279 P	15	47.30	-1.6		
SIV	171.75	133 PKP	16	53.80	0.3	MNO	4.69	234 P	02	40.40	-1.7	PGD	1.02	276 P	15	50.50	-0.1		
S.D. = 1.0 on 42 of 50 obs.							DIM	4.71	73 eP	02	42.00	-0.2	MNS	1.43	193 P	15	57.30	0.2	
JUN 26, 1991 20h 01m 29.42± 0.22s						VLI	4.88	145 ePn	02	44.00	-0.6			eSg	16	15.10			
40.792 N ± 3.0km 19.492 E ± 2.0km						ALN	4.97	87 ePd	02	45.20	-0.6	CTI	2.50	336 P	16	12.60	0.1		
DEPTH = 10.0km (geophysicist)						PVL	4.98	59 iPd	02	44.00	-2.0	S.D. = 0.9 on 8 of 8 obs.							
3.5mb (3 obs.)						MEU	5.12	225 P	02	46.20	-1.9	? JUN 26, 1991 20h 37m 25.90± 0.89s							
ALBANIA						PZI	5.18	225 P	02	45.70	-3.2X	38.766 N ± 8.5km 27.681 E ± 9.3km							
ML 3.7 (TTG).						EZN	5.31	98 ePn	02	48.50	-2.2	DEPTH = 10.0km (geophysicist)							
						MNS	5.35	290 P	02	51.70	0.4	TURKEY (366)							
						ARV	5.57	301 P	02	53.00	-0.6	MD 2.9 (ISK).							
OHR	1.04	72 iPgd	01	48.90	-0.2	JMB	5.57	70 iPc	02	53.00	-1.4	IZM	0.49	222 iPg	37	36.00	0.1		
		iSg	02	04.50		ASS	5.58	296 P	02	55.00	0.4			iSg	37	44.00			
KEK	1.10	168 ePb	01	50.70	0.6	ZAG	5.64	334 ePn	02	54.60	-0.6	EZN	1.49	316 iPn	37	52.50	-0.2		
ULC	1.18	351 iPgc	01	52.15	0.6	VBY	5.64	328 ePn	02	55.40	0.2	KHL	1.51	106 ePn	37	53.00	-0.1		
		iSg	02	09.58				eSn	03	57.70		BNT	1.60	7 ePn	37	54.50	0.2		
LCI	1.26	249 P	01	52.50	-0.3	PTJ	5.72	334 ePn	02	55.20	-1.3	S.D. = 0.3 on 4 of 4 obs.							
		eSg	02	13.30				eSn	03	52.60		JUN 26, 1991 20h 47m 18.16± 1.16s							
IGT	1.41	153 ePc	01	57.14	2.0	RIY	5.89	322 i(Pn)	02	58.20	-0.5	38.374 N ± 11.3km 20.976 E ± 6.7km							
		eS	02	16.60		RSM	6.08	303 P	02	59.50	-2.0	DEPTH = 10.0km (geophysicist)							
FNA	1.43	90 iPc	01	56.32	0.8	CEY	6.17	325 ePn	03	02.00	-0.8	GREECE (364)							
		eS	02	16.96				eSn	04	12.50		VLS	0.36	237 iPgc	47	25.50	-0.1		
BDV	1.57	342 iPgc	01	59.28	1.9	CRE	6.27	299 P	03	04.00	-0.4	AGG	1.24	58 ePd	47	40.78	-0.5		
		iSg	02	20.62		LJU	6.37	327 ePn	03	05.00	-0.6			eS	48	01.82			
TTG	1.65	354 iPnd	02	00.48	2.1			eSn	04	17.50		IGT	1.26	337 ePc	47	42.70	1.1		
		iSn	02	23.07		TRI	6.45	322 P	03	05.20	-1.5			eS	48	05.62			
BRT	1.74	274 Pd	02	01.50	1.7	MAO	6.46	287 P	03	08.10	1.2	KEK	1.62	326 ePn	47	50.00	3.2X		
		eSn	02	31.20		SFI	6.47	301 P	03	06.70	-0.2	KZN	2.03	17 ePn	47	55.00	2.2		
KZN	1.80	105 iPnc	02	02.50	1.7	PGD	6.53	301 P	03	07.90	-0.2	LIT	2.09	34 iPd	47	54.62	1.0		
HCY	1.81	336 iPnd	02	02.12	1.2	VOY	6.64	324 ePn	03	08.40	-1.0			eS	48	28.30			
		iSn	02	26.45				eSn	04	22.80		VLI	2.27	136 ePn	47	58.50	2.2X		
PVY	1.84	11 iPnd	02	04.37	3.0X	MLR	6.66	43 ePc	03	11.20	1.4	FNA	2.43	7 ePd	47	59.34	0.8		
		iSn	02	29.53		SRO	7.07	354 eP	03	45.70	30.3X	PAIG	2.61	53 ePd	48	01.66	0.5		
SKO	1.88	51 iPgc	02	03.90	2.0			e	04	10.80		OHR	2.74	357 iPn	48	03.50	0.5		
		iSn	02	28.50				e	05	33.90		GRG	2.80	23 ePc	48	10.90	7.0X		
BAI	2.02	280 P	02	04.50	0.7	VVI	7.31	318 P	03	17.30	-1.5			eS	48	44.10			
		ePg	02	09.50		VRI	7.32	44 ePc	03	20.80	1.9	LCI	3.05	311 P	48	05.80	-1.5		
NKY	2.05	350 iPnc	02	06.17	1.7	MME	7.33	301 P	03	19.80	0.4	KNT	3.15	27 ePd	48	07.34	-1.4		
		iSn	02	32.77		BDI	7.35	299 P	03	18.50	-0.9	VAY	3.19	22 ePn	48	08.40	-0.9		
IVA	2.10	8 iPnc	02	08.20	3.1X	FVI	7.57	322 P	03	21.40	-0.9	SRS	3.40	36 ePd	48	12.22	-0.1		
		iSn	02	35.08		ZST	7.60	348 eP	04	11.30	48.5X	SKO	3.61	5 ePn	48	14.50	-0.8		
GRG	2.21	85 iPc	02	07.29	0.5			e	05	41.60				i	48	26.20			
		eS	02	35.89		CTI	7.75	315 P	03	23.00	-2.1	TDS	3.83	291 P	48	23.50	5.0X		
BRY	2.22	342 iPnd	02	07.88	0.9	BOB	8.39	302 P	03	33.10	-0.9	BRT	3.84	312 P	48	18.50	-0.1		
		iSn	02	36.95		WTIA	8.59	321 iPnd	03	35.80	-1.1	CZI	3.88	284 P	48	19.70	0.7		
VAY	2.39	76 iPn	02	09.50	0.3			i	03	36.80				eSg	49	04.20			
		iSg	02	48.30				iSn	05	08.30		SOI	3.89	267 P	48	40.10	20.9X		
		i	02	52.80		VAI	9.31	307 P	03	43.50	-3.1X	MGR	4.56	294 P	48	31.70	2.9X		
LIT	2.39	106 ePc	02	09.76	0.5	KHC	9.33	335 eP	03	43.00	-3.9X	SGO	4.90	298 P	48	34.90	1.3		
		eS	02	40.96				20s	0.20um			HVAR	5.90	326 ePn	48	44.40	-3.3		
PLE	2.54	358 iPnd	02	13.32	1.9			20s	0.20um			DUI	5.98	305 P	48	49.90	1.0		
		iSn	02	45.30				e	04	07.50		SDI	6.42	303 P	48	56.10	0.9		
ROI	2.55	242 P	02	09.00	-2.5X			e	05	31.50		MLR	8.02	26 eP	49	22.00	4.5X		
KNT	2.61	81 ePd	02	12.84	0.5	SBF	9.44	293 Pn	03	47.80	-0.7	VRI	8.62	28 ePc	49	23.00	-2.8X		
THE	2.64	92 iPd	02	13.25	0.4	PRU	9.83	341 eP	03	53.00	-0.7	MOX	13.95	335 eP	50	45.30	7.3X		
		iS	02	45.17				20s	0.40um			EKA	23.48	324 Pc	52	26.90	-1.6		
CSI	2.65	249 P	02	13.60	0.6	FRF	9.93	290 Pn	03	54.80	-0.4		1.3s	9.40nm			4.2mb		
TDS	2.67	246 P	02	14.10	0.9	LWR	9.98	289 Pn	03	56.00	0.1								
VLS	2.75	162 ePn	02	13.00	-1.3	LPG	10.43	301 Pn	03	59.40	-2.9X								
AGG	2.81	128 iPd	02	15.84	0.6			Sn	05	50.50									
		iS	02	51.36		BSF	11.49	312 Pn	04	11.80	-4.8X								

26d 20h

S.D. = 1.4 on 20 of 29 obs.
 JUN 26, 1991 21h 15m 52.46 ± 0.67s
 38.281 N ± 6.2km 22.168 E ± 5.8km
 DEPTH = 5.0km (geophysicist)
 GREECE (364)
 ML 3.0 (ATH).

AGG	0.75	10	ePd	16 05.76	-1.8
			eS	16 18.72	
VLS	1.25	266	ePg	16 13.80	-2.3
ATH	1.26	104	ePb	16 17.00	0.7
VLI	1.68	158	ePb	16 22.50	-0.1
			eSb	16 45.20	
LIT	1.83	8	ePd	16 24.68	-0.2
IGT	1.90	312	ePc	16 30.12	4.3X
			iS	16 57.78	
PAIG	2.02	35	ePc	16 26.84	-0.7
			eS	16 53.00	
KZN	2.05	351	ePb	16 29.00	1.0
KEK	2.34	308	ePb	16 33.00	0.9
FNA	2.57	346	ePd	16 35.92	0.4
GRG	2.68	4	ePc	16 38.12	1.1
SOH	2.70	19	ePd	16 37.24	-0.1
			iS	17 11.04	
KNT	2.93	11	ePc	16 40.44	-0.2
			iS	17 17.04	
OHR	3.02	340	ePn	16 43.90	2.1X
SRS	3.04	21	ePd	16 41.72	-0.4
VAY	3.05	6	ePn	16 42.00	-0.2
SKO	3.73	352	ePn	16 54.00	2.1X
CZI	4.81	283	P	17 09.80	2.5X
MGR	5.46	292	P	17 18.10	1.6
SGO	5.78	295	P	17 21.20	0.3
SDI	7.27	301	P	17 44.20	2.2X

S.D. = 1.1 on 16 of 21 obs.
 * JUN 26, 1991 21h 17m 47.45 ± 1.00s
 18.314 N ± 12.4km 101.065 W ± 9.3km
 DEPTH = 108.7 ± 12.5 km
 4.0mb (1 obs.)
 GUERRERO, MEXICO (59)

MRX	1.39	355	eP	18 12.50	-0.7
			iS	18 31.50	
III	1.52	87	iP	18 13.50	-1.5
			iS	18 35.00	
ACX	1.84	141	eP	18 17.50	-1.3
			iS	18 43.50	
TPM	2.01	70	iP	18 21.00	-0.2
			(S)	18 53.00	
UNM	2.05	60	eP	18 21.50	-0.3
			(S)	18 53.50	
TAC	2.08	58	(P)	18 15.00	-7.2X
			(S)	18 53.00	
PPM	2.43	72	iP	18 27.00	0.0
			iS	18 57.00	
CGX	2.66	302	(P)	18 31.00	1.3
IIT	2.71	75	iP	18 30.50	0.0
			iS	19 05.00	
IISM	3.56	79	iP	18 43.00	1.3
VHO	4.31	106	(P)	18 53.00	0.8
OXX	4.32	106	eP	18 53.50	1.2
HFS	85.91	27	eP	30 15.00	-1.2
	0.5s		0.80nm		4.0mb

S.D. = 1.2 on 12 of 13 obs.

% JUN 26, 1991 21h 26m 11.01 ± 0.81s
 38.702 N ± 7.4km 27.725 E ± 8.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 3.0 (ISK).

IZM	0.53	224	iPg	26 21.50	-0.2
			iSg	26 29.50	
KHL	1.48	107	ePn	26 38.00	0.2
EZN	1.51	314	iPn	26 38.50	0.5
EDC	1.57	4	ePn	26 38.50	-0.4
BNT	1.58	5	ePn	26 39.00	-0.1

S.D. = 0.5 on 5 of 5 obs.

& JUN 26, 1991 22h 19m 44.02s
 63.070 N 150.864 W
 DEPTH = 123.9km
 CENTRAL ALASKA (1)
 <AEIC>.

HUR	0.57	99	ePc	20 02.81	-0.3
			eS	20 16.49	
CUT	0.72	157	iPd	20 03.95	-0.2
			eS	20 18.00	
RND	0.97	69	eP	20 05.85	-0.6
MCK	1.09	52	ePd	20 08.04	0.4
SKT	1.14	196	iPd	20 07.53	-0.6
			eS	20 24.49	
PWA	1.50	162	ePc	20 12.07	0.1
GHO	1.58	144	ePc	20 13.08	-0.1
			eS	20 35.25	
SUA	1.61	178	eP	20 13.52	0.0
PLRM	1.69	151	iPc	20 13.72	-0.5
			eS	20 36.65	
NEA	1.71	27	eP	20 14.31	-0.2
SML	1.73	136	iPc	20 14.41	-0.4
			eS	20 37.19	
NGG	1.78	200	ePd	20 14.79	-0.7
CGLM	1.85	197	eP	20 15.73	-0.6
WRH	1.87	40	ePd	20 16.57	0.1
CRP	1.91	199	ePd	20 16.62	-0.5
PMS	1.93	161	eP	20 16.72	-0.6
			eS	20 41.51	
BGL	1.95	202	eP	20 17.78	0.2
SPU	1.98	197	eP	20 17.31	-0.6
CKL	2.00	201	ePc	20 18.05	-0.2
KNK	2.01	145	ePd	20 17.88	-0.4
SCM	2.06	125	ePd	20 18.52	-0.4
CCB	2.08	39	ePd	20 19.09	-0.1
MDM	2.22	30	ePd	20 20.87	-0.1
GLM	2.46	37	ePd	20 24.08	0.1
PAX	2.46	90	iPd	20 24.57	0.5
			eS	20 53.96	
SDG	2.50	100	ePd	20 24.91	0.3
SLKM	2.59	173	eP	20 24.95	-0.8
RDT	2.61	197	eP	20 25.39	-0.6
DFR	2.63	200	eP	20 26.12	-0.2
RDN	2.72	200	eP	20 27.01	-0.5
REF	2.73	199	eP	20 27.44	-0.3
RDW	2.76	200	eP	20 27.59	-0.5
RS2	2.77	200	eP	20 28.06	-0.1
RSO	2.77	200	eP	20 28.35	0.1
KLU	2.80	122	ePc	20 27.29	-1.2
GLI	2.83	139	eP	20 27.36	-1.4
VZW	2.86	133	eP	20 27.76	-1.5
VLZ	2.89	130	eP	20 27.90	-1.6
SEW	3.05	167	eP	20 31.00	-0.7
KNIM	3.11	150	iPc	20 30.60	-2.0
LTI	3.36	153	ePc	20 34.03	-1.9
MTU	3.45	152	ePc	20 35.50	-1.6
CNPM	3.56	183	eP	20 37.87	-0.7
GLB	3.68	113	ePc	20 39.33	-0.9

44 obs. associated

? JUN 26, 1991 22h 50m 20.63 ± 7.55s
 40.827 N ± 23.0km 29.744 E ± 51.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.8 (ISK).

HRT	0.06	265	ePg	50 22.80	-0.1
GBZT	0.23	261	ePg	50 25.50	-0.1
			iSg	50 31.30	
ISK	0.57	295	ePg	50 31.80	-0.4
			iSg	50 43.00	
CTT	1.05	288	iPn	50 40.80	0.4
DMK	1.80	304	ePn	50 51.90	0.0

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

* JUN 26, 1991 22h 53m 39.09 ± 1.28s
 41.935 N ± 9.7km 142.296 E ± 9.7km
 DEPTH = 78.9 ± 12.7 km
 4.7mb (25 obs.)
 HOKKAIDO, JAPAN REGION (224)

AOMJ	2.00	227	eP	54 11.80	0.4
			S	54 36.50	
OFUJ	2.89	190	P	54 23.30	-0.5
			eS	55 00.30	
YAMJ	4.14	206	eP	54 42.00	0.8
MAT	6.25	212	(P)	55 11.00	0.4
	0.7s		17.81nm		4.6mb
BJI	19.79	273	eP	58 02.50	-2.9
	1.0s		13.00nm		4.2mb
CHTO	43.34	251	eP	01 36.80	1.9
	0.6s		3.51nm		4.4mb
GUN	47.53	272	P	02 08.94	0.3

KKN	48.04	272	P	02 12.46	0.0
PKI	48.06	272	P	02 12.56	-0.2
DMN	48.26	272	P	02 14.50	0.2
GKN	48.40	273	P	02 15.12	-0.1
KEV	59.12	338	eP	03 23.00	-10.1X
YKA	59.26	32	eP	03 32.80	-1.3
	0.5s		1.40nm		4.3mb
SOD	60.74	336	iP	03 43.00	-1.1
WB2	62.00	188	eP	03 51.90	-1.2
			e	04 10.80	
WRA	62.00	188	P	03 52.00	-1.1
	0.6s		1.70nm		4.3mb
GBA	62.37	263	Pd	03 55.20	-0.5
	1.1s		12.90nm		4.9mb
NUR	65.97	331	eP	04 17.00	-1.5
HFS	69.92	335	eP	04 41.00	-2.1
	0.4s		4.50nm		4.7mb
LRM	70.21	46	eP	04 45.00	0.3
NAO	70.23	337	P	04 43.60	-1.4
	0.6s		3.50nm		4.5mb
KRA	75.43	326	eP	05 16.30	0.6
CLL	77.19	330	iP	05 25.40	-0.1
PRU	77.67	329	eP	05 28.80	0.6
KHC	78.73	328	P	05 34.50	0.4
	0.9s		3.00nm		4.2mb
CDF	81.67	332	eP	05 49.80	0.0
OHR	81.86	319	eP	05 51.10	0.2
BSF	82.34	332	eP	05 53.40	0.1
HAU	82.35	332	eP	05 53.00	-0.2
LOR	83.84	333	eP	06 00.90	0.0
	0.9s		8.20nm		4.7mb
FLN	83.91	336	eP	06 01.00	-0.2
LDF	83.95	336	eP	06 01.80	0.4
	0.8s		8.05nm		4.8mb
LBF	84.05	333	eP	06 01.90	-0.1
	0.6s		3.60nm		4.6mb
SSF	84.14	333	eP	06 02.50	0.1
	0.8s		4.70nm		4.6mb
LPG	84.34	330	eP	06 04.20	0.4
GRR	84.36	336	eP	06 04.20	0.8
	0.9s		11.45nm		4.9mb
SMF	84.39	333	eP	06 03.70	0.1
	0.7s		4.40nm		4.6mb
AVF	84.43	333	eP	06 04.10	0.3
	0.6s		8.10nm		4.9mb
LPF	84.73	336	eP	06 05.70	0.4
MAF	85.19	333	eP	06 08.40	0.7
	0.7s		7.70nm		4.8mb
SBF	85.47	329	eP	06 08.80	-0.4
	0.7s		4.40nm		4.6mb
LSF	85.51	334	eP	06 09.60	0.4
	0.8s		7.40nm		4.8mb
MFF	85.73	335	eP	06 11.10	0.8
	0.7s		5.50nm		4.7mb
LRG	86.22	329	eP	06 12.90	0.1
	1.1s		19.55nm		

KUSJ	46.98	21	eP	15	27.30	-0.2
DZM	47.14	121	iPc	15	29.90	0.6
ASAJ	47.18	19	eP	15	28.80	-0.3
HYB	47.58	294	eP	15	31.50	-1.1
	1.0s	140	00nm			5.7mb

GBA	47.65	289	Pd	16	10.00	123km
	1.0s		37.80nm	15	34.80	1.6
POO	52.18	294	iPd	16	11.40	3.6x
	0.8s		17.91nm			5.1mb
NDI	52.70	307	iPc	16	10.00	-1.4
	0.7s		133.56nm			6.0mb
YAK	62.11	3	iPc	17	15.60	-1.3
			i	17	37.00	84kmX
			e	19	02.00	
			eS	26	55.00	
CSY	66.72	186	iPd	17	47.20	0.5
	0.6s		32.50nm			5.4mb
			ePP	18	13.50	
			i	25	05.10	
MAIO	69.36	309	eP	18	03.00	-0.8
IR4	75.92	306	iPd	18	41.50	-1.0
IR1	76.13	306	iPd	18	42.50	-1.2
IR5	76.18	306	eP	18	43.50	-0.5
IR7	76.24	307	iPd	18	43.00	-1.3
KER	78.87	305	eP	18	55.00	-3.8X
MAW	79.11	200	eP	19	01.00	1.8
TAB	80.00	309	eP	19	04.00	-0.8
ANM	82.02	24	iP	19	17.00	2.4
SVW	85.62	29	iP	19	34.80	1.8
	1.0s		8.20nm			4.6mb
RSO	86.94	30	iP	19	39.20	-0.5
SLKM	88.20	30	iP	19	45.20	-0.2
HRI	88.22	303	eP	19	45.90	-0.3
JVI	88.52	302	eP	19	47.30	-0.3
PMR	88.78	29	iP	19	48.00	-0.1
	1.0s		51.00nm			5.6mb
RMN	89.12	300	eP	19	49.80	-0.8
SPA	89.92	180	iPc	19	54.70	1.1
	1.0s		45.00nm			5.5mb
			i	20	23.40	109km
MTD	91.87	253	iPc	20	03.00	-0.4
			i	20	17.80	50kmX
BALM	92.06	29	eP	20	03.20	-0.3
KEV	92.35	340	iP	20	02.80	-1.7
	0.7s		13.30nm			5.3mb
SOD	92.75	337	iP	20	04.40	-2.0
NUR	94.46	331	eP	20	11.00	-3.4X
BUL	94.62	250	iPc	20	16.20	0.1
			i	20	44.40	106km
SLR	94.72	244	iPd	20	16.00	-0.5
INK	94.84	21	eP	20	15.50	-0.5
	0.8s		32.00nm			5.8mb
MLR	95.40	316	ePc	20	18.00	-1.3
MBC	96.33	12	eP	20	22.50	-0.2
	0.9s		12.00nm			5.4mb
SPC	98.75	320	eP	20	33.80	-0.5
KRA	98.79	321	eP	20	33.40	-0.8
HFS	99.86	331	eP	20	35.70	-3.2X
	0.8s		7.20nm			5.3mb
NAO	100.98	333	Pdiff	20	41.40	-2.5X
	0.8s		7.30nm			5.4mb
PRU	102.20	321	ePdiff	20	48.00	-1.6
			e	20	52.50	
BRG	102.34	322	iPdiff	20	49.80	-0.4
	1.1s		14.00nm			5.6mb
CLL	102.79	323	e(Pdiff)	20	51.00	-1.1
			e	25	10.00	
KHC	103.03	321	ePdiff	20	48.00	-5.3X
			e	20	52.50	
MOX	103.82	323	ePdiff	20	56.60	-0.2
	1.3s		10.00nm			5.6mb
YKA	104.25	24	ePdiff	20	58.50	0.2
	0.7s		2.20nm			5.2mb
BSF	107.73	321	ePKP	25	21.00	-0.8
HAU	107.94	321	ePKP	25	21.50	-0.6
Z	21s		0.13um			4.4MsZ
LOR	109.78	321</				

26d 23h

MAF	111.01	320	ePKP	25	27.90	0.0
	1.2s	8.95nm				
TCF	111.21	321	ePKP	25	28.20	-0.1
	1.0s	7.00nm				
CAF	111.84	319	ePKP	25	29.70	0.1
	1.0s	9.00nm				
LPF	112.47	323	ePKP	25	30.40	-0.2
	0.9s	11.00nm				
MFF	112.56	322	ePKP	25	30.30	-0.5
FFC	114.04	27	ePKP	25	31.00	-2.5X
	0.8s	10.00nm				
BW06	116.29	41	ePKPc	25	37.90	-0.6
	1.0s	8.75nm				
PV09	118.45	45	ePKP	25	43.80	1.0
GOL	120.51	42	iPKP	25	47.20	0.6
	1.0s	7.50nm				
ANMO	121.92	48	ePKPc	25	50.50	1.2
	0.8s	13.00nm				
ALQ	121.92	48	ePKP	25	50.10	0.8
	1.0s	15.50nm				
SCH	124.79	7	ePKP	25	54.00	0.0
LKO	128.53	282	PKP	26	02.36	-0.1
TUL	128.94	41	e(PKP)	26	02.90	0.3
FVM	131.00	36	ePKP	26	06.40	0.0
	1.0s	18.00nm				
TBR	136.06	19	iPKP	26	16.00	0.1
JSC	138.80	32	ePKP	26	13.50	-7.7X
LVN	143.34	159	ePKP	26	27.50	-1.8
TACH	143.79	159	ePKPd	26	29.00	-1.1
PCH	143.96	160	ePKPd	26	29.60	-0.9
SAN	144.06	160	ePKPd	26	29.80	-0.8
PEL	144.34	159	iPKPc	26	30.50	-0.6
	0.8s	111.94nm				
MDZ	145.19	162	i(PKP)	26	34.50	1.9
VAO	155.28	201	(PKP)	27	08.00	20.0X
UPA	155.36	68	ePKP	26	48.50	0.3
CNCB	159.73	146	PKP	26	54.00	-0.1
LPB	159.89	146	ePKP	26	55.00	0.9
			e	27	37.00	
ZOBO	160.08	145	PKPc	26	56.80	2.3X
	1.4s	26.70nm				
	Z 24s	0.00um				
		LR	24	12.00		
		i	27	38.00		
SOB1	161.98	239	ePKP	26	55.90	0.1
		e	27	43.40		
SIV	163.39	164	iPKP	26	58.90	1.8
		i	27	50.10		
	S.D. = 1.0	on 134	of 157 obs.			
* JUN 26, 1991 23h 20m 28.45±2.40s						
38.362 N ± 7.1km 24.011 E ± 26.3km						
DEPTH = 10.0km (geophysicist)						
AEGEAN SEA (365)						
ML 2.9 (ATH).						
ATH	0.45	211	iPbc	20	39.00	1.3
			eSb	20	45.20	
VLI	1.85	208	ePn	20	59.00	-1.5
KZN	2.61	319	ePn	21	11.00	-0.4
VLS	2.70	267	ePn	21	13.00	0.3
VAY	3.16	340	ePn	21	20.00	0.9
KEK	3.55	294	ePn	21	24.00	-0.7
OHR	3.70	319	ePn	21	26.90	0.0
SKO	4.11	332	ePn	21	25.50	-7.1X
CZI	6.21	280	P	21	57.30	-5.1X
EKA	24.93	322	P	26	01.00	8.2X
	0.9s	4.10nm				
	S.D. = 1.2	on 7	of 10 obs.			
JUN 26, 1991 23h 37m 39.95±0.82s						
38.224 N ± 6.9km 22.183 E ± 8.2km						
DEPTH = 5.0km (geophysicist)						
GREECE (364)						
ML 3.1 (ATH).						
AGG	0.81	8	ePc	37	54.88	-1.2
			eS	38	07.40	
ATH	1.24	101	ePb	38	04.00	0.6
			eSb	38	22.50	
VLS	1.26	268	ePb	38	03.00	-0.7
			eSb	38	21.00	
VLI	1.62	158	ePb	38	09.20	0.0
LIT	1.89	7	ePc	38	15.04	1.9
			eS	38	36.40	
IGT	1.95	313	ePc	38	21.32	7.3X
PAIG	2.06	34	ePd	38	14.48	-1.1

			iS	38	39.84	
KZN	2.10	351	ePn	38	17.50	1.2
KEK	2.38	309	ePg	38	28.00	7.7X
GRG	2.73	3	ePd	38	26.64	1.3
SOH	2.75	19	ePc	38	24.80	-0.7
KNT	2.99	10	ePd	38	27.84	-1.0
			eS	39	04.92	
OHR	3.07	340	ePn	38	30.90	0.8
VAY	3.11	5	ePn	38	29.00	-1.5
SKO	3.79	352	ePn	38	40.80	0.6
	S.D. = 1.2	on 13	of 15 obs.			
* JUN 27, 1991 00h 11m 04.48±0.65s						
32.474 N ± 12.2km 130.340 E ± 8.5km						
DEPTH = 33.0km (normal)						
4.5mb (8 obs.) 3.9Msz (1 obs.)						
KYUSHU, JAPAN (235)						
Felt (IV JMA) at Mt. Unzen.						
SHK	2.83	43	eP	11	48.10	-0.3
MAT	7.66	56	eP	12	57.00	0.5
	0.9s	16.81nm				
		eS	14	23.00		
SSE	7.91	262	Pn	13	01.50	1.4
	1.0s	37.00nm				
Z	14s	1.70um				
		Pg	13	36.50		
		Sn	14	40.00		
		Sg	15	20.50		
BJI	13.69	307	eP	14	19.00	0.5
	Z 14s	1.35um				
LZH	22.16	287	eP	16	03.00	3.7X
	1.5s	43.00nm				
	Z 20s	0.49um				
	N 12s	0.85um				
		sP	16	13.00		
GUN	38.49	275	P	18	26.30	0.5
PKI	38.99	275	P	18	29.76	-0.2
KKN	39.03	275	P	18	29.04	-1.1
DMN	39.24	275	P	18	30.92	-1.0
GKN	39.51	276	P	18	31.74	-2.3
WRA	52.26	175	P	20	15.00	0.2
	1.0s	2.70nm				
ASPA	55.93	176	eP	20	42.10	0.4
	1.1s	5.30nm				
INK	62.46	25	iPc	21	27.00	0.7
MBC	63.34	15	eP	21	31.00	-1.1
	1.0s	4.00nm				
OBN	66.07	321	eP	21	52.50	2.5
	Z 13s	0.50um				
	N 13s	0.50um				
	E 15s	0.50um				
YKA	72.12	26	eP	22	26.50	-0.7
	0.8s	2.30nm				
HFS	74.16	332	eP	22	33.80	-5.4X
	0.6s	0.60nm				
CLL	80.08	326	eP	23	05.00	-7.2X
	S.D. = 1.3	on 15	of 18 obs.			
? JUN 27, 1991 00h 15m 18.91±1.70s						
46.393 N ± 21.6km 1.833 E ± 8.1km						
DEPTH = 10.0km (geophysicist)						
FRANCE (538)						
ML 1.6 (LDG).						
LSF	0.25	236	Pg	15	24.30	0.0
			Sg	15	28.00	
TCF	0.28	112	Pg	15	25.10	0.3
			Sg	15	29.00	
MAF	0.54	108	Pg	15	29.50	-0.3
			Sg	15	36.00	
BGF	0.72	76	Pg	15	33.10	0.0
			Sg	15	43.10	
	S.D. = 0.4	on 4	of 4 obs.			
JUN 27, 1991 01h 49m 54.22±0.83s						
38.286 N ± 7.6km 22.047 E ± 8.9km						
DEPTH = 10.0km (geophysicist)						
GREECE (364)						
ML 3.0 (ATH).						
AGG	0.77	17	ePc	50	07.97	-1.3
			eS	50	20.56	
VLS	1.15	265	ePn	50	16.00	0.2
ATH	1.35	103	ePn	50	20.00	0.9
VLI	1.72	155	ePn	50	23.50	-0.8
LIT	1.85	11	ePd	50	26.60	0.4

KZN	2.03	354	ePn	50	31.50	2.6X
GRG	2.68	6	ePc	50	38.76	0.5
OHR	2.98	342	ePn	50	44.90	2.5X
	S.D. = 1.1	on 6	of 8 obs.			
JUN 27, 1991 01h 53m 33.33±0.59s						
40.003 N ± 6.1km 29.100 E ± 5.5km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
MD 2.7 (ISK).						
GBZT	0.83	18	ePg	53	49.00	-0.3
BNT	0.97	292	iPg	53	51.80	0.0
			eSg	54	06.00	
GPA	0.97	72	ePn	53	51.90	0.1
EDC	1.01	290	iPg	53	51.50	-0.9
ALT	1.23	140	ePn	53	56.50	0.3
CTT	1.25	336	iPn	53	56.80	0.2
KGT	1.45	289	ePn	54	00.60	1.1
KHL	1.71	169	ePn	54	03.00	-0.4
	S.D. = 0.7	on 8	of 8 obs.			
* JUN 27, 1991 03h 35m 59.64±2.09s						
43.761 N ± 7.2km 16.818 E ± 23.3km						
DEPTH = 10.0km (geophysicist)						
YUGOSLAVIA (383)						
HVAR	0.64	205	iPg	36	12.30	-0.2
			iSg	36	24.00	
VBY	2.07	328	eP	36	36.00	1.2
			i(Sn)	37	00.70	
PTJ	2.23	344	ePn	36	36.50	-0.7
			eSn	37	03.00	
ARV	2.83	266	P	36	45.00	-0.7
TRI	2.92	313	iP	37	27.10	40.2X
SDI	3.02	228	P	36	48.90	0.5
VOY	3.08	319	eP	36	49.00	-0.3
			e	37	27.50	
ASS	3.11	259	P	36	59.00	9.4X
MNS	3.33	247	P	36	53.00	0.2

27d 03h

CGLM 5.44 308 eP 44 55.03 -6.8
 SKT 5.63 315 eP 44 57.52 -7.0
 YKA 14.66 61 eP 47 09.80 2.1
 0.7s 0.50nm 3.2mb
 33 obs. associated

JUN 27, 1991 04h 10m 35.67±0.78s
 38.307 N ± 8.2km 21.032 E ± 5.1km
 DEPTH = 10.0km (geophysicist)
 3.7mb (2 obs.)

GREECE (364)
 ML 3.7 (ATH).

VLS 0.37 250 ePb 10 43.50 0.2
 AGG 1.24 55 iPd 10 57.32 -1.5
 IGT 1.34 336 ePd 11 00.92 0.6
 KEK 1.70 326 ePb 11 08.00 2.5X
 KZN 2.08 16 ePn 11 13.00 1.9
 LIT 2.12 32 iPd 11 12.33 0.7

ATH 2.14 98 ePb 11 19.50 7.6X
 VLI 2.19 136 ePn 11 14.00 1.3
 FNA 2.49 6 ePd 11 18.20 1.3

PAIG 2.62 51 ePd 11 16.45 -2.3
 OHR 2.81 356 iPn 11 20.50 -1.0
 GRG 2.85 21 ePc 11 23.88 1.8
 SOH 3.09 35 ePd 11 27.28 1.9
 LCI 3.13 311 P 11 34.00 8.1X

KNT 3.19 26 ePd 11 26.44 -0.4
 VAY 3.23 21 ePn 11 29.00 1.6
 SRS 3.43 34 ePc 11 28.96 -1.3
 SKO 3.67 5 ePn 11 32.00 -1.7

MMB 3.88 31 eP 11 34.00 -2.6X
 TDS 3.90 292 P 11 38.40 1.5

BRT 3.92 312 P 11 42.90 5.8X
 SOI 3.93 268 P 11 35.90 -1.4
 CZI 3.94 285 P 11 37.10 -0.3

ORI 3.97 298 P 11 38.60 0.7
 CSI 3.97 293 P 11 38.50 0.5

MMN 4.23 294 P 11 42.40 0.8
 ATN 4.39 270 P 11 38.60 -5.3X

RZN 4.40 39 eP 11 43.00 -1.3
 MGR 4.63 295 P 11 46.70 -0.6

SGO 4.97 299 P 11 51.80 -0.2
 MEU 4.99 258 P 12 44.00 51.6X

HVAR 5.98 326 e(Pn) 12 03.00 -3.3X
 DUI 6.06 306 P 12 06.30 -1.2

SDI 6.50 304 P 12 08.30 -5.4X
 MLR 8.06 25 eP 12 37.00 1.4

VBY 8.38 331 ePn 12 36.00 -4.0X
 eSn 14 05.10

LJU 9.11 330 eP 12 54.50 4.5X
 e(Sn) 14 34.00

NAO 23.43 347 P 15 42.20 -3.3X
 0.8s 1.50nm 3.6mb

EKA 23.56 324 P 15 44.00 -2.8X
 0.9s 3.30nm 3.9mb

S.D. = 1.3 on 26 of 39 obs.

JUN 27, 1991 04h 44m 12.18±0.32s
 45.050 N ± 3.1km 2.999 E ± 2.7km
 DEPTH = 10.0km (geophysicist)

FRANCE (538)
 MD 3.5 (STR). ML 3.4 (LDG).

LBL 0.25 44 Pg 44 17.46 -0.1
 CAF 0.67 260 Pg 44 25.70 0.1

PYM 0.70 1 Pg 44 27.71 1.6
 Sg 44 34.37

AGO 1.01 5 Pg 44 31.35 0.1
 Sg 44 44.59

PLDF 1.02 25 Pg 44 31.58 0.1
 Sg 44 44.46

RJF 1.08 284 Pn 44 32.90 0.4
 Pg 44 33.60

SSB 1.12 78 Pg 44 33.57 0.4
 Sg 44 47.75

MAF 1.21 346 Pn 44 35.10 0.4

LPO 1.34 255 Pn 44 37.30 0.4
 Pg 44 38.60

TCF 1.36 336 Pn 44 36.90 -0.2
 Pg 44 38.00

BGF 1.51 356 Pn 44 39.10 -0.2
 Sg 44 59.10

LSF 1.58 320 Pn 44 40.20 -0.1
 Pg 44 42.10

LFF 1.61 267 Pn 44 41.30 0.7
 Pg 44 42.80

SMF 1.70 20 Pn 44 41.30 -0.7
 Pg 44 43.20

AVF 1.76 8 Pn 44 42.10 -0.8
 Pg 44 45.20

SSF 2.04 10 Pn 44 46.60 -0.4
 Pg 44 50.60

LBF 2.05 19 Pn 44 46.40 -0.8
 Pg 44 50.80

LOR 2.30 15 Pn 44 50.20 -0.5
 Pg 44 55.10

RSL 2.63 75 Pn 44 55.93 0.3
 LPG 2.69 79 Pn 44 57.30 0.8

MFF 2.69 306 Pn 44 56.00 -0.3
 Pg 45 02.20

EPF 2.78 224 Pn 44 56.50 -1.2
 Pg 45 06.00

LRG 2.89 122 Pn 44 59.30 0.2
 Sn 45 30.60

FRF 3.01 118 Pn 45 01.00 0.2
 Pg 45 08.20

LMR 3.05 123 Pn 45 00.80 -0.5
 Pg 45 09.80

LPF 4.08 318 Pn 45 13.30 -2.6X
 FLN 4.41 329 Pn 45 16.10 -4.6X

S.D. = 0.6 on 25 of 27 obs.

* JUN 27, 1991 05h 21m 55.77±1.27s
 31.736 S ± 15.6km 69.092 W ± 13.1km

DEPTH = 10.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)

ZON 0.40 62 iPd 22 04.00 0.0
 eS 22 15.00

MDZ 1.16 170 iP 22 17.40 -0.1
 iS 22 36.10

PEL 1.95 223 eP 22 30.00 0.8
 iS 23 00.00

PCH 2.23 212 eP 22 34.50 1.1
 iS 23 10.90

TACH 2.46 219 iPd 22 36.40 -0.2
 eS 23 15.00

LNV 2.95 221 eP 22 42.00 -1.5
 S.D. = 1.2 on 6 of 6 obs.

JUN 27, 1991 05h 57m 26.93±0.78s
 38.233 N ± 7.1km 22.172 E ± 6.5km

DEPTH = 5.0km (geophysicist)
 GREECE (364)
 ML 2.9 (ATH).

AGG 0.80 9 ePd 57 41.80 -1.1
 ATH 1.25 102 ePb 57 51.00 0.5

VLS 1.25 268 ePb 57 48.30 -2.3
 eSb 58 06.50

VLI 1.63 158 ePb 57 57.00 0.6
 LIT 1.88 7 iPc 58 01.38 1.3

IGT 1.93 313 iPc 58 04.53 3.7X

PAIG 2.06 34 ePc 58 01.41 -1.2

KZN 2.09 352 ePb 58 05.00 1.8
 KEK 2.37 309 ePb 58 08.50 1.4

FNA 2.62 347 ePc 58 13.08 2.4X
 SOH 2.74 19 ePd 58 12.56 0.1

KNT 2.98 11 ePd 58 17.64 1.9
 eS 58 43.88

OHR 3.06 340 ePn 58 16.80 -0.1
 SRS 3.08 20 ePc 58 16.92 -0.2

VAY 3.10 6 ePn 58 13.40 -4.0X
 e 58 19.50

MMB 3.56 19 eP 58 22.00 -2.0
 KKB 3.70 11 eP 58 26.00 0.1

SKO 3.78 352 ePn 58 27.00 -0.1
 e 58 31.50

RZN 3.97 29 eP 58 28.00 -1.9
 VTS 4.43 10 eP 58 37.00 0.6

MGR 5.48 292 P 58 50.90 -0.4
 SGO 5.80 296 P 58 56.50 0.8

S.D. = 1.3 on 19 of 22 obs.

& JUN 27, 1991 06h 03m 21.90s
 38.803 N 122.457 W

DEPTH = 9.0km
 NORTHERN CALIFORNIA (36)
 <BRK>. ML 3.2 (BRK).

NWRM 0.48 224 eP 03 31.40 -0.3
 ZSP 0.87 170 iP 03 37.64 -1.1

BKS 0.94 169 iPc 03 53.25
 iS 03 53.40

BRK 0.94 170 eP 03 38.20 -1.7
 iS 03 54.50

ORV 1.06 44 iP 03 38.34 -3.6
 PCC 1.30 177 iPd 03 43.52 -2.6

MHC 1.59 156 eP 03 47.80 -2.7
 ARN 1.62 153 eP 03 48.20 -2.6

MIN 1.67 23 ePc 03 48.02 -3.6
 iS 04 10.16

WDC 1.78 358 eP 03 48.80 -4.2
 CMB 1.80 115 ePc 03 50.88 -2.5

GCC 1.81 168 iP 03 49.77 -3.6
 LBFM 2.58 10 eP 04 03.20 -1.5

PRS 2.61 160 eP 04 02.48 -2.5
 FRI 2.83 129 iPd 04 06.30 -1.8

BONR 3.37 103 eP 04 13.50 -2.6
 TNP 4.18 98 eP 04 24.00 -3.4

ISA 4.46 133 eP 04 29.00 -2.3
 e 05 30.00

CLC 4.89 126 eP 04 57.00 19.6
 19 obs. associated

% JUN 27, 1991 06h 20m 11.49±0.61s
 60.380 N ± 5.1km 5.304 E ± 7.3km

DEPTH = 10.0km (geophysicist)
 SOUTHERN NORWAY (535)
 MD 1.0 (BER).

BER 0.01 80 iPc 20 12.92 -0.5
 ASK 0.12 332 iPc 20 14.24 -0.2

EGD 0.12 200 iP 20 14.11 -0.3
 iS 20 16.09

SUE 0.73 339 eP 20 25.78 0.0
 eS 20 35.99

HYA 0.90 28 eP 20 29.11 0.4
 eSg 20 42.43

KMY 1.17 181 eP 20 33.79 0.4
 eSg 20 50.33

NRA0 3.10 81 Pn 21 01.40 0.1
 Lg 21 49.00

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

% JUN 27, 1991 08h 00m 52.99±0.56s
 44.365 N ± 5.9km 7.740 E ± 4.0km

DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.7 (GEN).

ROB 0.12 127 P 00 55.44 -0.6
 S 00 57.08

ENR 0.27 239 P 00 59.06 0.4
S 01 02.45
STV 0.32 248 P 00 59.86 0.2
FIN 0.37 115 P 01 00.46 -0.2
IMI 0.47 167 P 01 02.59 0.1
PZZ 0.48 287 P 01 02.31 -0.4
S 01 10.21
BHB 0.59 325 P 01 04.85 0.0
S 01 12.57
PCP 0.60 73 P 01 05.78 0.6
S 01 13.59

S.D. = 0.5 on 8 of 8 obs.

? JUN 27, 1991 08h 04m 30.87 ± 2.33s
18.431 S ± 14.6km 177.785 W ± 11.5km
DEPTH = 576.4 ± 30.6 km
4.4mb (11 obs.)

FIJI ISLANDS REGION (181)

DZM 15.24 254 iPc 07 43.20 1.4
HBZ 19.40 189 eP 08 22.30 1.0
PUZ 19.87 189 eP 08 26.20 0.5
NOZ 20.44 189 eP 08 31.00 0.1
MNG 22.86 193 eP 08 51.80 -1.0
THZ 24.58 197 P 09 08.40 0.2
KHZ 25.02 195 P 09 10.80 -1.2
LTZ 25.70 197 P 09 16.60 -1.4
BRS 28.49 246 iP 09 43.00 0.5
i 10 41.00

STK 38.91 242 iPc 11 10.60 1.3
0.6s 2.90nm 4.0mb

WB2 45.11 260 iPc 11 57.90 -0.5
i 13 26.70

WRA 45.12 260 P 11 58.00 -0.5
0.4s 5.80nm 4.5mb

ASPA 45.23 255 eP 11 59.20 -0.1
0.4s 14.80nm 4.9mb

iPc 13 26.70
iScP 17 36.20
iS 17 56.10

FORR 50.29 245 eP 12 36.50 -0.6
0.3s 12.00nm 4.9mb

NANU 62.15 254 eP 13 58.00 -0.8

MAT 68.68 323 eP 14 38.00 -1.0
1.0s 10.00nm 4.3mb

PLM 77.63 48 eP 15 31.00 1.0

SBB 77.67 47 eP 15 30.00 0.0

ISA 77.75 46 eP 15 31.00 0.6

CLC 78.43 46 eP 15 35.00 1.0

TPC 78.60 48 eP 15 36.00 1.1

TNP 79.91 44 ePd 15 40.00 -1.9
0.9s 6.84nm 4.1mb

SLKM 81.76 13 ePd 15 50.50 -0.1

PMR 82.97 13 ePc 15 56.00 -0.5

PNT 84.83 34 eP 16 07.00 1.0
0.8s 11.00nm 4.5mb

ALO 85.96 51 eP 16 12.00 0.0
1.0s 4.50nm 4.1mb

ANMO 85.96 51 ePc 16 13.00 1.0
1.3s 7.21nm 4.2mb

FBA 86.19 12 ePd 16 11.80 -0.4
1.0s 17.50nm 4.7mb

BW06 87.33 43 P 16 17.00 -1.4

RSSD 91.53 44 P 16 37.00 -0.7

INK 92.23 15 eP 16 39.00 -1.1

YKA 94.56 25 eP 16 49.80 -1.0
0.6s 1.40nm 4.3mb

SOB1 129.37 119 (PKP) 22 37.00 0.2

NUR 135.01 345 ePKP 22 45.00 -1.0

NAO 137.21 354 PKP 22 40.70 -9.5X
0.7s 1.00nm

EKA 142.94 5 PKPc 22 57.20 -3.3X
0.6s 2.20nm

DMU 143.90 9 ePKP 23 01.10 -1.1

DCN 144.38 10 ePKP 23 02.60 -0.4

DLF 144.55 9 ePKP 23 03.40 0.1X
1.0s 93.00nm

KRA 145.40 340 ePKPd 23 05.90 1.1

SPC 146.04 339 ePKP 23 08.50 2.3X

CLL 146.10 348 iPKPd 23 07.90 2.0X
0.8s 52.00nm

BRG 146.31 347 iPKPd 23 08.20 1.9X
0.8s 26.00nm

MOX 147.00 349 ePKP 23 07.40 0.0
1.5s 25.00nm

PRU 147.00 345 PKP 23 10.50 3.1X

1.0s 14.50nm
e 23 13.90

SRO 147.88 339 ePKP 23 13.30 4.4X

ZST 147.93 341 ePKP 23 13.50 4.5X

PRNI 147.99 298 ePKP 23 14.00 4.3X

KHC 148.03 346 PKP 23 13.50 4.3X
1.0s 8.90nm

MBH 148.22 297 ePKP 23 14.30 4.2X

FLN 149.67 4 iPKPd 23 16.80 5.2X
0.7s 19.85nm

CDF 149.81 353 ePKP 23 17.40 5.4X
0.8s 16.10nm

LDF 149.85 3 iPKPd 23 17.00 5.1X
0.6s 7.20nm

KBA 150.00 345 iPKPd 23 17.30 4.9X

GRR 150.01 4 iPKPd 23 17.60 5.5X
0.6s 10.80nm

WTTA 150.22 347 iPKPd 23 18.10 5.4X
0.6s 27.60nm

HAU 150.31 354 ePKP 23 18.40 5.8X
0.6s 9.90nm

SQTA 150.35 348 iPKPd 23 17.90 5.0
0.7s 19.70nm

LPF 150.36 4 iPKPd 23 18.50 5.9X
0.7s 23.15nm

BSF 150.44 354 ePKP 23 18.70 5.8X
0.7s 12.15nm

LJU 150.63 342 e(PKP) 23 19.50 6.3X

VOY 150.83 343 iPKP 23 19.50 5.9X

VBY 150.91 341 ePKP 23 13.00 -0.6X
e 23 20.20

CEY 150.94 342 e(PKP) 23 19.30 5.6X

LOR 151.21 358 iPKPd 23 20.60 6.6X
0.7s 15.45nm

SSF 151.43 358 iPKPd 23 21.20 6.9X
0.9s 19.65nm

LBF 151.49 357 iPKPd 23 21.20 6.8X
0.8s 12.10nm

AVF 151.70 358 ePKP 23 21.40 6.7X

SMF 151.83 358 ePKP 23 21.60 6.7X

MFF 151.84 3 iPKPd 23 21.80 6.9X
0.6s 9.00nm

BGF 151.95 359 iPKPd 23 22.10 7.0X

TCF 152.22 0 iPKPd 23 22.60 7.1X
0.7s 4.95nm

LSF 152.25 1 iPKPd 23 22.50 7.0X
0.7s 12.15nm

MAF 152.29 359 iPKPd 23 23.10 7.5X
0.7s 5.50nm

OHR 152.35 329 ePKP 23 23.20 7.3X

RJF 153.20 1 iPKPd 23 25.30 8.5X
0.6s 3.60nm

CAF 153.58 0 iPKPd 23 25.80 8.4X
0.7s 4.40nm

LPO 153.81 2 iPKPd 23 26.60 8.9X

S.D. = 1.3 on 39 of 78 obs.

JUN 27, 1991 08h 16m 26.08 ± 0.48s

41.575 N ± 8.7km 14.393 E ± 7.5km

DEPTH = 33.0km (normal)

SOUTHERN ITALY (390)

AQU 1.07 317 P 16 46.40 1.5
eSg 17 01.90

SGO 1.23 145 P 16 46.10 -0.9
eSn 17 06.10

RDP 1.27 279 P 16 48.00 0.3

RMP 1.29 281 P 16 48.30 0.4

MNS 1.51 303 P 16 51.40 0.2

MGR 1.68 148 P 16 54.30 0.7

ASS 1.97 320 P 16 56.70 -1.1

ARV 2.20 331 P 17 01.80 0.8

BRT 2.23 107 P 17 01.90 0.4

TDS 2.42 142 P 17 03.60 -0.6

CRE 2.73 320 P 17 08.00 -0.6

SFI 3.00 322 P 17 10.90 -1.5

OHR 4.84 93 eP 17 39.00 0.4

S.D. = 0.9 on 13 of 13 obs.

% JUN 27, 1991 09h 29m 43.58 ± 1.00s

44.590 N ± 8.7km 8.108 E ± 6.2km

DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

ML 1.9 (GEN).

S 29 54.45
ROB 0.34 210 P 29 50.78 0.1
S 29 55.38

FIN 0.39 169 P 29 51.49 0.0
S 29 56.72

BHB 0.65 293 P 29 56.65 0.0
STV 0.66 239 P 29 56.65 -0.1
S 30 04.84

S.D. = 0.1 on 5 of 5 obs.

% JUN 27, 1991 09h 51m 10.69 ± 0.86s

44.597 N ± 7.1km 8.103 E ± 5.1km

DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)

ML 2.0 (GEN).

PCP 0.32 100 P 51 17.50 0.1
S 51 21.91

ROB 0.35 209 P 51 17.81 0.0
S 51 22.12

FIN 0.39 169 P 51 18.73 -0.1
S 51 24.37

ENR 0.61 233 P 51 22.91 -0.2
BHB 0.65 293 P 51 23.43 -0.2
S 51 32.28

STV 0.66 238 P 51 24.70 0.8

IMI 0.70 193 P 51 24.33 -0.3
S 51 33.84

PZZ 0.72 263 P 51 24.92 -0.1

S.D. = 0.4 on 8 of 8 obs.

* JUN 27, 1991 11h 55m 15.15 ± 0.63s

56.319 S ± 23.0km 142.211 W ± 11.0km

DEPTH = 10.0km (geophysicist)

5.1mb (4 obs.) 5.1Msz (1 obs.)

SOUTH PACIFIC CORDILLERA (691)

SBA 27.65 201 P 01 08.90 4.6X
e 05 12.80

SPA 33.86 180 iPc 01 59.90 0.3
1.0s 17.50nm 4.9mb

Z 20s 3.69um 5.1Msz

DZM 50.72 291 iPc 04 21.00 4.0X

BRS 53.89 274 eP 04 41.00 0.4
e(P) 07 21.00

e(S) 12 45.00

CTA 63.30 274 eP 05 47.00 0.7
eS 14 24.00

CTAO 63.30 274 eP 05 47.00 0.7
eS 14 24.00

ASPA 67.30 261 eP 06 09.80 -2.3X
1.0s 17.20nm 5.2mb

Z 22s 2.00um 5.3MszX

LPB 67.60 86 eP 06 14.00 -0.5

ZOBO 67.80 86 eP 06 17.00 1.1
1.8s 35.35nm 5.3mb

Z 24s 0.35um 4.5MszX

i 06 22.00

LR 15 32.00

WB2 70.03 264 iPc 06 27.90 -1.1

WRA 70.04 264 P 06 28.00 -1.0
0.6s 5.70nm 4.9mb

SIV 71.95 92 eP 06 40.00 -0.6

CRZF 76.94 190 e(P) 07 27.00 18.1X
e(P) 10 24.00

e(SS) 20 05.00

INK 124.48 4 ePKP 14 21.00 6.6X

LZH 132.08 274 ePKP 14 26.00 -4.2X
Z 25s 0.33um 4.9MszX

E 16s 0.38um

QUE 146.80 230 ePKP 15 04.30 7.4X

MAIO 155.18 225 ePKP 15 23.00 14.0X

OHR 161.18 137 ePKP 15 23.00 7.2X

MLR 166.86 141 ePKPd 15 30.00 9.0X

VR1 167.46 142 ePKPd 15 30.00 8.8X

OBN 178.60 151 ePKP 15 35.00 10.0X
i 17 55.00

e 21 08.00

e 28 08.00

e 31 52.00

S.D. = 0.9 on 9 of 21 obs.

% JUN 27, 1991 12h 32m 50.59 ± 0.49s

42.766 N ± 4.4km 19.171 E ± 4.0km

DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)

ML 1.6 (TTG).

27d 12h

NKY	0.14	298	iPg	32	54.49	0.6
			iSg	32	57.17	
TTG	0.34	169	iPg	32	57.74	0.1
			iSg	33	03.20	
BRY	0.48	287	iPg	33	00.20	-0.2
			iSg	33	08.29	
BDV	0.54	208	iPg	33	01.52	-0.1
			iSg	33	09.92	
IVA	0.55	79	iPg	33	01.92	0.3
			iSg	33	10.30	
PLE	0.59	16	iPg	33	02.19	-0.4
			iSg	33	12.20	
HCY	0.59	238	iPg	33	02.40	-0.1
			iSg	33	12.14	
PVY	0.62	106	iPg	33	02.99	-0.1
			iSg	33	12.59	
ULC	0.80	176	ePg	33	06.12	-0.1
			iSg	33	19.04	

S.D. = 0.3 on 9 of 9 obs.

% JUN 27, 1991 12h 59m 56.28±0.58s
 37.443 N ± 5.1km 5.058 W ± 5.3km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)
 mbLg 2.5 (MDD).

EHOR	0.41	338	ePg	00	04.80	0.2
			eSg	00	11.80	
EPRU	0.50	196	ePg	00	06.00	-0.3
			eSg	00	13.00	
EJIF	1.04	199	ePg	00	16.30	0.3
			eSg	00	29.00	
AFC	1.22	98	ePn	00	19.30	0.2
			eSn	00	37.00	
EBAN	1.24	54	ePn	00	19.00	-0.3
			eSn	00	36.00	
EGUA	1.34	117	ePn	00	21.00	0.0
EVAL	1.35	277	ePn	00	21.00	-0.1

S.D. = 0.3 on 7 of 7 obs.

% JUN 27, 1991 13h 11m 18.92±1.31s
 39.074 N ± 7.9km 27.738 E ± 15.9km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

I2M	0.77	209	ePg	11	34.00	0.0
			eSg	11	45.90	
EDC	1.27	4	ePn	11	42.60	0.0
BNT	1.29	6	iPn	11	43.00	0.2
EZN	1.33	305	iPn	11	43.50	0.1
KGT	1.42	346	ePn	11	44.30	-0.4

S.D. = 0.3 on 5 of 5 obs.

% JUN 27, 1991 14h 01m 02.89±0.65s
 42.642 N ± 6.3km 13.107 E ± 8.6km
 DEPTH = 10.0km (geophysicist)
 CENTRAL ITALY (381)

AQU	0.36	143	P	01	08.90	-1.4
			eSg	01	14.80	
MNS	0.41	231	Pc	01	11.00	-0.2
			eSg	01	18.30	
ASS	0.54	323	P	01	13.20	-0.6
			eSg	01	22.10	
ARV	0.86	352	P	01	18.90	-0.6
			eSg	01	32.60	
SDI	1.07	150	P	01	23.70	0.6
			eSg	01	40.90	
CRE	1.30	320	P	01	27.50	0.5
			eSg	01	45.70	
DUI	1.40	134	P	01	29.70	1.1
SFI	1.57	325	P	01	31.60	0.8

S.D. = 1.0 on 8 of 8 obs.

% JUN 27, 1991 14h 07m 17.73±0.65s
 40.802 N ± 5.8km 23.261 E ± 5.4km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

SOM	0.07	74	iPc	07	19.98	-0.2
			iS	07	22.05	
THE	0.28	233	iPd	07	23.46	-0.2
SRS	0.40	38	ePd	07	26.00	0.0
KNT	0.45	323	iPc	07	27.01	0.1
			eS	07	33.44	
GRG	0.67	284	iPd	07	31.10	0.0
PAIG	0.93	160	ePc	07	35.68	0.2

S.D. = 0.2 on 6 of 6 obs.
 % JUN 27, 1991 14h 18m 41.65±0.48s
 44.385 N ± 4.6km 7.380 E ± 4.8km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.0 (GEN).

STV	0.15	196	P	18	45.36	0.2
			S	18	46.65	
ENR	0.16	170	P	18	45.27	-0.1
			S	18	46.77	
PZZ	0.23	301	P	18	46.90	0.2
			S	18	50.11	
ROB	0.36	104	P	18	49.26	0.1
			S	18	53.34	
BHB	0.46	350	P	18	50.69	-0.4
			S	18	55.30	
IMI	0.60	142	P	18	53.56	-0.3
			S	19	02.38	
FIN	0.62	106	P	18	53.87	-0.3
			S	19	02.38	
RRL	0.68	322	P	18	55.41	0.0
PCP	0.85	79	P	18	58.59	0.5

S.D. = 0.3 on 9 of 9 obs.

& JUN 27, 1991 15h 41m 37.78s
 61.378 N 150.225 W
 DEPTH = 36.3km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.8 (AEIC).

SUA	0.26	289	iPd	41	45.65	0.1
			eS	41	52.39	
PWA	0.32	31	iPc	41	45.68	-0.3
PMS	0.35	112	iPc	41	46.26	-0.1
PLRM	0.57	67	ePd	41	48.22	-1.1
			eS	41	57.81	
PMR	0.57	67	iPc	41	48.50	-0.8
GHO	0.74	57	iPc	41	50.85	-1.0
			eS	42	02.15	
NKA	0.81	218	iPc	41	53.48	0.8
KNK	0.85	87	ePd	41	52.83	-0.6
			eS	42	05.15	
CGLM	0.86	266	iPd	41	53.01	-0.6
			eS	42	05.24	
SKT	0.87	315	iPd	41	52.67	-1.0
			eS	42	04.69	
SLKM	0.87	180	iPc	41	52.56	-1.2
			S	42	06.22	
SPU	0.91	258	iPd	41	53.32	-0.9
			eS	42	05.89	
NCG	0.93	272	iPd	41	53.95	-0.7
			eS	42	06.79	
CRP	0.94	264	iPd	41	54.20	-0.6
			eS	42	07.48	
SML	1.00	64	ePc	41	54.47	-1.1
CUT	1.03	359	iPc	41	54.89	-1.0
CKL	1.04	261	iPd	41	55.28	-0.8
BGL	1.05	265	ePd	41	55.57	-0.7
SEW	1.33	163	eP	41	59.70	-0.5
RDT	1.34	234	iPc	41	59.32	-1.0
			iS	42	16.98	
DFR	1.44	238	iPc	42	00.84	-1.0
NNL	1.44	202	iPc	42	01.93	0.1
SCM	1.46	70	ePd	42	01.12	-1.1
REF	1.50	235	iPc	42	01.97	-1.0
RDN	1.51	236	iPc	42	01.77	-1.2
			eS	42	21.47	
RS2	1.54	235	eP	42	02.54	-1.0
			eS	42	22.85	
RSO	1.54	234	eP	42	02.58	-0.9
RDW	1.55	236	ePc	42	02.61	-1.0
			eS	42	23.01	
NCT	1.55	239	iPc	42	02.66	-0.9
			eS	42	22.63	
KNIM	1.60	129	ePc	42	01.67	-2.5
GLI	1.60	107	iPd	42	02.37	-1.8
MUR	1.63	9	ePc	42	04.33	-0.3
BRK	1.65	192	eP	42	03.27	-1.7
			eS	42	24.77	
LTI	1.78	138	ePc	42	04.06	-2.6
VZW	1.81	99	iPd	42	05.58	-1.6
HOM	1.86	203	eP	42	07.31	-0.6
MTU	1.88	137	eP	42	08.10	-0.1
VLZ	1.90	96	ePd	42	06.66	-1.7

CNPM	1.92	196	ePc	42	07.40	-1.4
TOA	2.06	68	ePd	42	10.17	-0.6
KLU	2.07	85	ePd	42	08.91	-2.0
TRF	2.08	359	ePc	42	10.72	-0.4
RND	2.13	17	ePc	42	11.37	-0.4
KTH	2.21	352	ePc	42	12.74	-0.1
MCK	2.44	14	eP	42	16.37	0.3
SVW	2.62	266	ePc	42	17.14	-1.6
THY	2.92	44	ePd	42	16.20	-6.7
CDD	2.99	216	eP	42	22.56	-1.4
GLB	3.09	86	eP	42	23.09	-2.2
WRH	3.26	17	eP	42	26.78	-0.9
CCB	3.46	18	eP	42	28.96	-1.6
CRQM	3.50	97	eP	42	28.59	-2.7
RDS	3.59	14	eP	42	30.58	-1.8
TGL	3.65	97	eP	42	30.83	-2.5
FBA	3.70	16	eP	42	33.50	-0.5
MDM	3.71	13	eP	42	32.70	-1.4
BALM	3.83	92	eP	42	32.94	-3.0
GLM	3.84	18	eP	42	34.76	-1.3

58 obs. associated

& JUN 27, 1991 15h 41m 58.89s
 62.744 N 147.355 W
 DEPTH = 27.1km
 CENTRAL ALASKA (1)
 <AEIC>. ML 2.6 (AEIC).

TOA	0.85	139	iP	42	14.64	-0.2
SDG	0.87	104	iP	42	14.34	-0.8
			eS	42	25.82	
PAX	0.89	74	iP	42	15.33	-0.3
			eS	42	26.41	
SCM	0.91	179	eP	42	15.09	-0.8
			eS	42	27.82	
RND	0.95	315	iP	42	15.35	-1.1
			eS	42	27.64	
THY	0.99	46	eP	42	16.21	-0.9
SML	1.04	206	eP	42	16.76	-1.0
			eS	42	30.67	
HUR	1.07	284	eP	42	18.80	0.6
			eS	42	33.67	
MCK	1.22	325	iP	42	20.38	0.1
			S	42	36.57	
KLU	1.43	151	eP	42	23.74	0.5
KNK	1.43	202	eP	42	23.62	0.3
			eS	42	41.44	
TRF	1.51	299	eP	42	25.46	0.9
			eS	42	44.85	
PWA	1.61	228	eP	42	26.45	0.6
VLZ	1.69	163	eP	42	28.27	1.3
			eS	42	50.34	
BWN	1.72	327	eP	42	28.74	1.3
			eS	42	49.34	
WRH	1.77	350	eP	42	27.30	-0.8
			eS	42	51.63	
CCB	1.92	354	eP	42	30.50	0.2
NEA	1.99	338	eP	42	32.45	1.0
SUA	2.05	233	eP	42	33.77	1.5
GLB	2.12	127	eP	42	33.22	0.0
RDS	2.12	351	eP	42	33.94	0.7
MDM	2.26	351	eP	42	36.28	1.1
SVW	4.24	251	P	42	12.50	-50.8

23 obs. associated

JUN 27, 1991 16h 06m 19.67±0.81s
 39.946 N ± 5.9km 20.583 E ± 8.7km
 DEPTH = 10.0km (geophysicist)
 GREECE-ALBANIA BORDER REGION (392)

IGT	0.46	205	ePc	06	28.89	-0.1
			eS	06	39.12	
FNA	1.03	36	ePd	06	39.04	-0.2
			eS	06	54.24	
OHR	1.18	8	ePn	06	41.50	-0.2
LIT	1.47	83	iPd	06	45.94	-0.3
			iS	07	06.37	
AGG	1.64	124	ePc	06	49.00	0.4
			iS	07	11.26	
THE	1.95	69	ePd	06	53.01	-0.1
VAY	2.04	47	ePn	06	55.30	0.8
SKO	2.13	17	ePn	06	58.00	2.3X
KNT	2.14	55	ePc	06	58.26	2.3X
PAIG	2.38	89	ePc	06	58.92	-0.4
S.D. = 0.5 on 8 of 10 obs.						

6.676 S \pm 9.8km 154.887 E \pm 8.3km
 DEPTH = 83.2 \pm 9.6 km
 4.8mb (3 obs.)

SOLOMON ISLANDS (193)

RAB	3.66	312	eP	57	17.50	0.4
			iS	58	04.00	
HNR	5.71	119	eP	57	46.00	0.4
			eS	58	52.00	
LAT	7.83	270	eP	58	14.80	-0.1
PMG	8.12	250	eP	58	18.00	-0.9
CTAO	15.75	211	iPc	00	05.00	5.1X
	1.0s	15.00nm				4.1mb
DZM	18.94	145	iPc	00	37.90	-1.2
OIS	20.24	226	iPc	00	53.00	0.3
			i	00	56.00	
RMO	20.55	196	eP	00	57.00	1.2
CHTO	60.67	296	iP	06	27.80	1.1
	1.0s	16.25nm				5.1mb
GUN	74.86	301	P	07	54.90	-0.9
PKI	75.17	301	P	07	56.34	-1.2
KKN	75.34	301	P	07	58.34	0.0
DMN	75.44	301	P	07	59.06	0.1
GKN	75.94	301	P	08	01.84	0.1
HYB	79.06	289	eP	08	18.80	-0.1
GBA	79.46	285	Pc	08	21.80	0.8
	1.1s	18.20nm				4.9mb

S.D. = 0.9 on 15 of 16 obs.

* JUN 27, 1991 16h 58m 19.39 \pm 1.19s
 41.890 N \pm 11.4km 21.749 E \pm 7.4km
 DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)
 ML 1.9 (SKO).

SKO	0.24	290	iPd	58	24.50	-0.1
			iSg	58	28.00	
VAY	0.84	132	ePn	58	34.50	-1.1
GRG	1.05	152	ePd	58	39.44	0.2
			eS	58	56.68	
OHR	1.06	223	iPg	58	39.20	-0.1
			iSg	58	53.20	
FNA	1.14	194	iPd	58	41.10	0.3
			eS	58	57.32	
SRS	1.59	119	ePd	58	48.40	0.8
LIT	1.87	162	iPc	58	57.21	5.4X

S.D. = 0.8 on 6 of 7 obs.

& JUN 27, 1991 17h 50m 23.26s

63.168 N 150.474 W

DEPTH = 114.0km

3.2mb (1 obs.)

CENTRAL ALASKA

<AEIC>.

(1)

TRF 0.30 16 iP 50 39.73 1.6

HUR 0.43 116 ePd 50 39.96 -0.4

KTH 0.44 333 iPd 50 40.30 -0.2

RND 0.77 71 iPd 50 42.39 -0.6

CUT 0.77 173 iPc 50 42.65 -0.2

MCK 0.89 50 iPd 50 43.63 -0.4

BWN 1.10 24 iPd 50 46.03 -0.1

SKT 1.29 203 iPc 50 47.65 -0.6

NEA 1.54 23 iPd 50 50.11 -1.1

PWA 1.55 169 ePc 50 51.24 0.0

GHO 1.58 152 ePc 50 51.42 -0.3

WRH 1.68 38 iPd 50 52.03 -0.9

SML 1.69 143 iPc 50 52.28 -0.8

PLRM 1.70 158 ePc 50 52.72 -0.4

SUA 1.72 184 ePc 50 53.26 -0.2

CCB 1.90 37 iPd 50 54.53 -1.0

NCG 1.94 205 iPc 50 55.54 -0.7

RDS 1.96 31 iPd 50 55.37 -1.0

PMS 1.98 167 ePc 50 56.30 -0.4

SCM 1.98 131 ePc 50 55.89 -0.9

KNK 2.00 151 eP 50 56.12 -0.8

CGLM 2.00 202 eP 50 56.25 -0.8

MDM 2.05 28 iPd 50 56.55 -1.0

CRP 2.06 203 ePc 50 57.31 -0.6

FBA 2.10 33 iPd 50 57.21 -1.0

BGL 2.11 206 eP 50 58.37 -0.1

SPU	2.13	201	iPc	50	57.89	-0.7
THY	2.15	81	eP	50	59.63	0.8
CKL	2.16	205	ePc	50	58.65	-0.5
TOA	2.26	116	iPd	50	59.96	-0.3
GLM	2.27	35	iPd	50	59.54	-1.0
PAX	2.29	93	ePd	51	00.04	-0.7
SDG	2.35	104	eP	51	00.62	-0.9
NKA	2.46	189	eP	51	05.54	2.7
TTA	2.53	267	iPc	51	03.03	-0.9
SLKM	2.67	177	eP	51	05.26	-0.5
KLU	2.71	126	eP	51	04.65	-1.6
RDT	2.76	200	eP	51	06.78	-0.1
DFR	2.79	203	ePc	51	07.26	-0.1
GLI	2.79	144	ePd	51	05.57	-1.8
VZW	2.81	137	ePc	51	06.01	-1.5
VLZ	2.82	135	eP	51	05.70	-1.9
NCT	2.86	205	eP	51	08.26	-0.1
RDN	2.88	203	eP	51	08.15	-0.4
REF	2.89	202	iPd	51	10.20	1.4
RDW	2.91	203	eP	51	08.97	-0.1
RS2	2.92	203	eP	51	09.97	0.7
RSO	2.92	203	eP	51	07.95	-1.3
KNIM	3.11	154	eP	51	09.03	-2.6
SEW	3.11	171	eP	51	10.78	-0.8
NNL	3.16	188	eP	51	13.21	1.0
SVW	3.18	232	ePd	51	11.85	-0.7
LTI	3.38	157	eP	51	13.09	-2.1
TMW	3.39	84	eP	51	13.85	-1.4
BRLK	3.42	183	eP	51	14.96	-0.8
			S	51	53.80	
MTU	3.46	156	eP	51	15.49	-0.8
GLB	3.56	116	ePc	51	16.18	-1.5
			eS	51	56.40	
HOM	3.57	190	iPd	51	17.91	0.2
CNPM	3.67	186	ePd	51	18.23	-1.0
AUE	4.07	201	eP	51	25.00	0.5
AUH	4.08	202	eP	51	24.37	-0.3
FYU	4.08	31	eP	51	23.59	-1.0
CROM	4.22	122	eP	51	25.20	-1.6
TGL	4.34	120	eP	51	27.19	-1.2
BALM	4.38	116	eP	51	26.75	-2.1
CDD	4.52	201	ePd	51	30.09	-0.7
SYI	4.67	192	eP	51	31.38	-1.3
INK	8.66	46	eP	52	25.00	-2.0
YKA	16.27	76	eP	54	04.10	-1.8

0.5s 0.70nm 3.2mb

69 obs. associated

& JUN 27, 1991 17h 59m 48.90s

62.013 N 149.724 W

DEPTH = 43.5km

CENTRAL ALASKA

<AEIC>. ML 2.6 (AEIC).

(1)

PWA 0.37 191 iP 59 58.33 0.1

GHO 0.45 122 iP 59 58.85 -0.4

CUT 0.47 327 iP 59 58.79 -0.6

PLRM 0.51 146 iP 59 59.08 -0.8

SML 0.69 107 iP 00 01.39 -1.0

SUA 0.73 222 eP 00 02.94 -0.2

PMS 0.78 174 iP 00 02.99 -0.6

KNK 0.85 134 iP 00 03.92 -0.7

SKT 0.85 269 iP 00 03.67 -1.0

HUR 0.97 2 eP 00 05.50 -0.8

SCM 1.15 98 iP 00 07.98 -0.9

CGLM 1.30 238 eP 00 11.19 0.2

NCG 1.31 243 eP 00 10.36 -0.8

CRP 1.38 238 eP 00 12.40 0.2

SPU 1.39 234 iP 00 12.38 0.1

RND 1.46 16 eP 00 12.25 -0.9

TRF 1.47 350 iP 00 12.42 -1.0

BGL 1.48 241 eP 00 13.96 0.4

CKL 1.49 238 eP 00 13.96 0.2

SLKM 1.53 189 eP 00 13.56 -0.6

KTH 1.64 341 eP 00 15.02 -0.8

TOA 1.68 85 iP 00 16.32 0.0

GLI 1.70 131 eP 00 16.04 -0.6

VZW 1.80 121 eP 00 17.39 -0.6

VLZ 1.85 117 eP 00 17.43 -1.2

KLU 1.88 104 iP 00 18.45 -0.8

SEW 1.92 176 eP 00 20.61 0.9

KNIM 1.93 149 iP 00 18.03 -1.8

RDT 1.94 223 iP 00 19.54 -0.5

DFR	2.02	226	eP	00	20.69	-0.5
SDG	2.02	73	eP	00	21.21	0.0
REF	2.10	225	eP	00	21.86	-0.6
RDN	2.10	226	eP	00	18.32	-4.1
NNL	2.12	202	eP	00	28.01	5.5
NCT	2.13	228	eP	00	22.33	-0.4
RSO	2.14	225	eP	00	20.84	-2.1
RS2	2.14	225	eP	00	24.02	1.0
RDW	2.14	226	eP	00	22.79	-0.2
LTI	2.18	154	iP	00	21.57	-1.8
PAX	2.20	62	eP	00	23.71	0.0
MTU	2.27	153	eP	00	22.98	-1.7
CNPM	2.60	197	eP	00	29.97	0.5
GLB	2.87	99	iP	00	31.82	-1.5
MDM	3.03	12	eP	00	33.54	-2.0
CROM	3.41	109	eP	00	40.55	-0.6
TGL	3.55	108	eP	00	41.32	-1.7

46 obs. associated

JUN 27, 1991 18h 15m 09.67 \pm 0.66s

5.183 S \pm 7.5km 150.618 E \pm 9.5km

DEPTH = 242.7 \pm 8.8 km

4.9mb (6 obs.)

NEW BRITAIN REGION (192)

RAB	1.83	58	iPd	15	50.00	-0.4
	0.5s	1464.79nm				
LAT	3.88	248	iPc	16	12.50	0.3
CTAO	15.41	196	iPd	18	27.50	-9.0X
	1.0s	20.00nm				4.5mb
OIS	18.66	214	iPc	19	11.80	-0.1
GUA	19.44	343	eP	19	20.20	0.3
	0.9s	100.84nm				5.3mb
GUMO	19.50	343	eP	19	20.70	0.2
MTN	20.69	247	eP	19	32.00	-0.2
RMO	21.26	185	iPd	19	38.50	0.7
	0.6s	24.00nm				4.9mb
WB2	21.58	226				

27d 19h

T Val= 2.45 Plg= 0 Azm=238				NEW	24.87 346 P	48 03.20 -2.1	SOD	82.57 16 iP	55 09.00 3.6X
N -0.39 90 180				JSC	1.8s 421.05nm	5.8mb	GRR	82.86 40 eP	55 07.70 0.5
P -2.06 0 148				LHS	25.44 61 P	48 11.00 0.2	FLN	1.3s 194.95nm	6.1mb
Best Double Couple: Mo=2.3*10**17				GMW	25.86 61 P	48 13.60 -1.0		39 eP	55 07.90 0.5
NP1: Strike=283 Dip=90 Slip=-180				SES	25.88 337 P	48 13.20 -1.5		1.3s 282.05nm	6.3mb
NP2: 13 90 0					26.08 356 eP	48 17.00 0.4	Z 18s	3.00um	5.7msz
VNM	7.08 76 (P)	45 01.00 33.6X			1.7s 687.00nm	6.1mb	LPF	82.93 40 eP	55 07.80 0.3
MRX	8.01 124 (P)	44 47.00 6.6X			pP	48 30.00 53kmx		1.3s 198.55nm	6.1mb
TAC	9.73 119 (P)	45 13.00 8.4X		PNT	26.46 343 eP	48 25.00 4.9X	LDF	83.19 39 eP	55 09.30 0.4
UNM	9.78 119 (P)	45 15.00 9.8X		NAV	26.76 55 P	48 22.00 -1.0		1.5s 271.60nm	6.2mb
TPM	10.07 120 (P)	45 09.00 0.0		BLA	27.00 55 P	48 26.50 1.3	EPLA	83.36 49 eP	55 11.52 1.5
III	10.10 124 (P)	45 13.50 3.9X			1.4s 66.67nm	5.1mb	HFS	83.47 25 ePKP	55 13.90 3.8X
GLA	10.41 328 eP	45 13.00 -0.6		PGC	27.05 337 eP	48 29.00 3.6X		1.2s 49.90nm	5.6mb
IIIT	10.65 118 (P)	45 29.00 11.9X		CLE	28.01 46 iP	48 41.00 6.7X	EVAL	83.98 52 eP	55 13.14 0.0
ALO	10.66 8 ePc+	45 20.00 2.9X		CBN	29.61 55 eP	48 49.00 0.3	MFF	84.15 41 eP	55 14.00 0.2
	eS	47 30.00		FFC	30.68 7 eP	48 58.00 0.0		1.5s 109.70nm	5.9mb
ANMO	10.66 8 P	45 20.20 3.0X			1.3s 53.00nm	5.3mb	GUD	84.42 48 eP	55 13.89 -1.6
ACX	10.81 132 (P)	45 19.00 -0.2X		PNJ	32.85 52 iP	49 18.00 0.9	UCC	84.57 36 P	55 18.00 2.2
BAR	11.12 320 eP	45 22.00 -1.3		FUO	38.08 114 eP	50 00.00 -2.4	ECRI	84.59 46 eP	55 18.39 2.2
IIISM	11.42 116 (P)	45 29.00 1.6		BOG	38.28 115 eP	50 04.00 -0.1	SNF	84.68 36 P	55 22.70 6.3X
PLM	11.72 322 eP	45 30.00 -1.6			iS	56 04.00	EHOR	84.94 51 eP	55 18.85 0.9
TPC	11.86 327 eP	45 32.00 -1.4		YKA	38.36 355 eP	50 02.30 -1.5	DOU	85.07 37 Pc	55 23.80 5.5X
PEC	12.28 323 P	45 39.60 0.5			1.1s 40.00nm	5.1mb		0.9s 20.00nm	5.3mb
RVR	12.48 322 eP	45 46.00 4.3X		SCH	43.10 34 eP	50 43.00 0.0	Z 22s	2.80um	5.6msz
OXX	12.97 122 (P)	45 54.00 5.5X		KLU	45.08 336 P	50 58.70 -0.3		SKS	05 49.00
MWC	13.03 321 eP	45 53.00 3.8X		SLKM	46.22 333 P	51 06.30 -1.7		S	06 10.00
GSC	13.19 328 eP	45 50.00 -1.2		PMR	46.38 334 P	51 07.90 -1.2	UPP	85.15 24 iP	55 19.70 1.2
SBB	13.24 323 eP	45 52.00 0.1			1.5s 172.30nm	5.9mb		iS	05 44.00
MEQ	13.35 37 iPd	45 53.40 0.2		INK	46.58 347 ePc	51 08.80 -1.8	WTS	85.20 34 eP	55 23.00 4.1X
CLC	13.99 327 eP	46 01.00 -0.7			1.4s 159.00nm	5.9mb		1.1s 37.00nm	5.5mb
PV09	14.12 357 P	46 04.40 0.8		FRB	47.19 23 eP	51 17.00 1.5	KUSJ	85.22 315 eP	55 14.30 -4.9X
ABL	14.15 320 P	46 00.40 -3.6X		RSO	47.27 332 P	51 15.00 -1.5	LSF	85.33 41 eP	55 18.80 -1.0
ISA	14.33 324 eP	46 11.00 4.9X		NNA	47.38 136 eP	51 17.30 -0.4		1.1s 25.65nm	5.3mb
SYP	14.39 317 eP	46 04.00 -3.0X			1.3s 50.00nm	5.4mb	AVE	85.37 56 iP	55 25.50 5.3X
MSU	14.50 348 P	46 08.50 -0.1		FBA	47.86 339 P	51 20.10 -0.8		i	56 44.20
BCH	14.89 319 P	46 13.80 0.2			1.4s 107.95nm	5.7mb	EJIF	85.40 52 eP	55 21.42 1.1
GOL	15.48 8 P	46 25.80 4.3X		TTA	49.83 334 P	51 33.80 -2.3X	ENN	85.42 36 eP	55 22.00 1.9
PHAM	15.53 320 P	46 26.00 4.2X			1.3s 108.49nm	5.7mb		1.1s 74.00nm	5.8mb
GLD	15.55 9 P	46 27.00 4.7X		IMA	50.54 338 P	51 39.00 -2.6X	LFF	85.52 42 eP	55 20.10 -0.6
TNP	15.68 333 P	46 24.80 0.9			1.8s 104.17nm	5.5mb		1.2s 35.70nm	5.4mb
	2.0s 1142.86nm	5.8mb		MBC	52.23 357 ePc	51 51.60 -2.5X	MEM	85.55 36 P	55 25.30 4.6X
TUL	15.74 40 eP	46 25.00 0.5			1.4s 201.00nm	5.9mb	TCF	85.72 41 eP	55 20.60 -1.1
	1.0s 62.70nm	4.8mb		ARE	54.15 135 eP	52 04.00 -5.3X		1.0s 31.00nm	5.4mb
Z 18s 18.10um		4.3mszX		ZOBO	56.24 132 P	52 17.50 -7.4X	RJF	85.81 42 eP	55 21.20 -1.0
	LR	50 28.00			1.7s 101.74nm	5.6mb		1.0s 24.00nm	5.3mb
	eS	50 38.00		Z 20s 0.91um		4.9msz	Z 22s	3.50um	5.7msz
	Lg	51 38.30			S	00 12.00	NKM	85.90 53 iP	55 28.00 5.2X
PRI	15.90 320 ePc	46 29.73 3.1X		LPB	56.44 132 P	52 21.00 -5.2X	LPO	85.92 42 eP	55 21.80 -0.9
	iP	46 34.75			Z 22s 2.22um	5.2msz		1.3s 36.10nm	5.4mb
FRI	15.98 325 eP	46 28.19 0.6			LR	12 22.00	BGF	85.96 40 eP	55 21.60 -1.3
	iP	46 36.50		CNCB	56.72 132 P	52 21.70 -6.6X		1.1s 35.40nm	5.5mb
BONR	16.04 330 P	46 28.40 -0.3			i	52 28.80	MAF	85.97 41 eP	55 21.90 -1.0
DAU	16.21 352 P	46 33.00 2.2		ADK	58.03 317 P	52 31.40 -5.0X	ASAJ	86.02 317 eP	55 24.60 1.4
DUG	16.25 347 P	46 33.00 1.8			1.4s 181.82nm	5.9mb	MAL	86.03 51 eP	55 23.00 -0.4
LLA	16.39 321 eP	46 31.29 -1.6		SIV	61.04 126 P	52 50.00 -7.7X		i	55 30.00
	iP	46 37.51			i	52 56.00		iS	05 50.00
PRS	16.44 320 ePc	46 35.75 2.2		DAG	66.35 15 iPd	53 34.70 2.9X	SSF	86.08 40 eP	55 22.30 -1.2
	iP	46 40.33			1.2s 46.88nm	5.6mb		1.1s 69.60nm	5.7mb
SAO	16.78 321 eP	46 41.50 3.7X		PEL	67.45 146 iPc	53 32.40 -7.0X	AVF	86.13 40 eP	55 22.30 -1.4
KVN	16.86 333 P	46 40.00 1.0			1.6s 166.67nm	6.0mb		1.0s 25.00nm	5.3mb
CMB	17.12 326 eP	46 40.29 -1.8		TACH	67.73 147 eP	53 40.50 -0.6X	LOR	86.17 39 eP	55 22.90 -1.0
	iP	46 47.32		LNv	67.74 147 eP	53 33.50 -7.5X		1.1s 63.50nm	5.7mb
GCC	17.28 320 ePc	46 41.44 -2.7X		PCH	67.92 147 eP	53 41.50 -0.8X	Z 18s	5.50um	6.0msz
	iP	46 46.87		AKU	68.13 26 iP	53 48.10 5.0X	EGRA	86.22 45 eP	55 31.02 6.8X
MHC	17.29 322 eP	46 44.80 0.4			1.5s 77.78nm	5.7mb	EPF	86.22 44 eP	55 23.50 -0.8
BKS	18.00 322 eP	46 53.90 0.8		MDZ	68.19 145 eP	53 37.00 -7.0X		1.2s 31.25nm	5.4mb
	1.6s 713.00nm	5.5mb		KBS	71.71 10 eP	54 10.00 5.2X	CAF	86.33 42 eP	55 23.70 -1.1
Z 20s 27.00um		4.7msz		SOB1	73.64 108 eP	54 13.20 -4.0X		1.2s 28.25nm	5.3mb
N 20s 34.00um					e	54 19.20	LBF	86.39 39 eP	55 23.80 -1.3
E 20s 21.00um								1.1s 59.85nm	5.7mb
	eS	50 23.00		DMU	77.02 37 eP	54 39.90 4.1X	AFC	86.40 51 eP	55 30.37 4.9X
	eLQ	50 57.00		DLF	77.47 37 eP	54 40.40 2.2	EVIA	86.48 49 eP	55 26.09 0.4
	eLR	51 28.00		EKA	78.40 34 Pc	54 43.90 0.5	SMF	86.49 40 eP	55 23.80 -1.7
BRK	18.02 322 eP	46 54.80 1.6			1.3s 14.50nm	4.9mb		1.2s 38.70nm	5.5mb
ZSP	18.06 322 eP	46 58.57 4.7X		TRO	78.97 17 eP	54 51.50 5.3X	TIO	86.53 58 iPc	55 31.50 5.3X
BW06	18.40 357 P	46 59.20 0.9		KEV	80.84 14 iP	55 04.70 8.4X		86.81 50 eP	55 28.63 1.3
	2.8s 1666.67nm	5.7mb			1.1s 43.20nm	5.4mb	EHUE	86.86 38 P	55 31.51 4.2X
ORV	18.84 327 eP	47 03.41 0.0		EMON	81.06 46 eP	54 56.42 -1.6	VITF	86.98 55 iP	55 33.00 4.6X
	iP	47 09.46		PTO	81.17 49 eP	55 03.10 4.6X	IFR	87.17 21 eP	55 32.00 3.5X
MIN	19.50 328 eP	47 10.94 -0.6		ERUA	81.63 47 eP	55 00.40 -0.6	NUR	87.18 38 eP	55 27.60 -1.3
	iP	47 16.50 21kmx		NB2	81.95 25 P	55 00.70 -1.6	HAU		
	iP	47 19.80 2.7X			1.3s 20.90nm	5.1mb		1.5s 41.80nm	5.5mb
RSSD	20.01 9 iP	47 19.96 1.8		KONO	82.12 27 eP	55 05.00 1.9	Z 20s	1.88um	5.5msz
WDC	20.14 327 eP	47 20.80 0.2		MTE	82.21 49 eP	55 02.50 -1.6	GWF	87.33 36 P	55 33.37 3.8X
FVM	20.36 44 P	47 23.00 -1.5		YAK	82.33 336 eP	54 59.00 -5.2X	CDF	87.47 37 eP	55 28.70 -1.6X
ELC	20.74 47 P	47 34.60 0.3			e	55 28.00	WLS	87.51 37 P	55 34.33 3.9X
LRM	21.68 352 eP				e	05 25.00	ECH	87.51 37 P	55 34.26 3.8X

BSP	87.53	38 eP	55 29.00	-1.6	GBA	141.86	351 PKP	02 22.00	6.3X	LRG	0.94	202 Pg	58 45.50	0.7	
	1.7s	51.45nm		5.5mb		0.7s	3.10nm					Sg	58 58.60		
MOF	87.71	38 P	55 35.30	3.8X	KOD	145.17	350 ePKP	02 18.60	-3.2X	FIN	0.99	97 P	58 45.69	0.1	
LOMF	87.82	38 P	55 35.85	3.8X		S.D. = 1.3	on 109 of 200 obs.					S	58 58.30		
MOX	88.43	34 iP	55 38.50	3.7X						CDR	1.02	230 ePg	58 45.90	-0.2	
	1.6s	48.00nm		5.6mb		JUN 27, 1991	20h 28m 28.00± 4.84s					e	58 46.50		
Z	19s	3.00um		5.7MsZ		31.332 S ±28.4km	68.242 W ±24.7km					e	59 00.70		
N	19s	0.80um				DEPTH = 10.0km	(geophysicist)			LMR	1.03	194 Pg	58 46.70	0.4	
E	20s	1.70um				SAN JUAN PROVINCE, ARGENTINA	(137)					Sg	59 01.20		
		eSKS	06 16.00							CKI	1.03	84 P	58 47.00	0.7	
		eS	07 31.00		RTLL	0.19	271 iPc	28 32.20	-0.1			eSg	59 01.00		
CLL	88.71	32 iPc	55 38.50	2.4	ZON	0.43	240 iPc	28 36.30	-0.5	LSL	1.15	11 P	58 48.46	0.0	
	1.5s	42.00nm		5.5mb				eS	28 49.30			S	59 03.12		
Z	18s	2.00um		5.6MsZ		RTCB	0.50	252 ePc	28 38.90	0.7	LPG	1.17	357 Pg	58 48.60	-0.3
LPL	88.80	40 eP	55 36.20	-0.7				eS	28 52.00		LPL	1.19	356 Pg	58 49.00	-0.2
	1.3s	32.50nm		5.5mb		RTBS	1.09	252 ePd	28 48.20	-0.2	PCP	1.23	80 P	58 50.10	0.3
LPG	88.82	40 eP	55 36.50	-0.6				S	29 08.80			S	59 05.48		
	1.5s	99.25nm		5.9mb		MDZ	1.63	198 eP	28 57.00	0.1	PGF	2.37	138 Pn	59 05.80	-0.7
BRG	89.45	32 eP	55 42.40	2.8X		S.D. = 0.6	on 5 of 5 obs.				S.D. = 0.5	on 27 of 27 obs.			
	1.4s	36.00nm		5.4mb											
		e	55 51.30			JUN 27, 1991	20h 52m 32.87± 3.58s								
		e	59 14.00			40.396 N ±21.7km	26.293 E ±28.4km								
PRU	90.31	33 eP	55 34.00	-9.6X		DEPTH = 10.0km	(geophysicist)								
	1.6s	22.50nm		5.2mb		TURKEY									
Z	19s	3.00um		5.7MsZ		MD 2.8 (ISK).									
N	18s	1.30um													
E	18s	1.90um													
		e	55 46.00		EZN	0.57	178 iPg	52 44.40	0.0						
		e	55 53.00					iSg	52 52.40		NNA	2.70	244 iPd	19 52.30	-0.3
KHC	90.37	34 P	55 47.00	3.0X	KGT	0.77	86 ePg	52 47.90	0.0			i	19 54.50		
	1.6s	6.60nm		4.7mb				eSg	52 58.90			eS	20 26.00		
Z	18s	1.10um		5.3MsZ		BNT	1.24	91 ePn	52 56.00	0.0	PT10	2.85	243 eP	19 54.00	-0.7
N	18s	1.00um				CTT	1.79	64 ePn	53 04.00	0.0		e(S)	20 29.50		
E	18s	2.00um					S.D. = 0.0	on 4 of 4 obs.		ARE	6.28	154 eP	21 00.00	16.4X	
		e	56 44.00							ZOBO	8.14	133 P	21 10.00	0.0	
KAKJ	91.73	311 P	55 43.70	-6.7X		JUN 27, 1991	20h 54m 06.40± 1.49s					Z	24s	0.38um	
NIJ	91.98	313 P	55 53.40	1.9		41.184 N ±13.4km	23.180 E ± 7.1km					i	21 37.00		
CHJJ	92.62	312 P	55 56.30	1.7		DEPTH = 10.0km	(geophysicist)					S	23 18.00		
ZST	92.76	33 eP	55 58.30	3.4X		GREECE-BULGARIA BORDER REGION	(363)					LR	24 12.00		
KRA	92.85	30 eP	55 59.30	4.0X	KNT	0.21	264 ePd	54 11.08	0.0	LPB	8.34	134 P	21 31.00	18.5X	
	1.8s	2.10um		5.6MsZ				eS	54 14.44			S	23 35.00		
E	18s	2.00um			SRS	0.32	102 ePd	54 13.00	0.0			LR	24 41.00		
		e	56 44.00					eS	54 17.72		CNCB	8.61	135 P	21 18.00	1.6
MAT	92.89	312 eP	55 50.00	-5.8X				eS	54 17.72			S	23 48.00		
	1.5s	19.44nm		5.3mb		SOM	0.39	160 iPc	54 14.38	0.1	SIV	13.92	113 Pc	22 23.60	-4.2X
Z	20s	0.71um		5.1MsZ				eS	54 19.88		UPA	20.32	345 eP	23 47.00	0.3
		eS	06 59.00			THE	0.58	197 ePd	54 17.97	-0.1	SOB1	32.99	90 eP	25 44.90	-0.1
MTMJ	93.14	313 P	56 02.80	5.7X			S.D. = 0.1	on 4 of 4 obs.		TUL	50.67	337 eP	28 08.90	0.0	
SRO	93.61	33 eP	56 02.40	3.5X								1.0s	17.60nm	5.0mb	
IIDJ	93.67	312 P	56 01.00	1.5		JUN 27, 1991	21h 58m 26.86± 0.30s			FVM	50.81	344 eP	28 10.10	0.2	
TSRJ	94.95	313 P	56 08.00	2.8X		44.331 N ± 2.0km	6.848 E ± 2.7km					0.8s	9.85nm	4.8mb	
OBN	95.33	19 eP	56 09.00	2.3		DEPTH = 10.0km	(geophysicist)			ALO	54.72	328 eP	28 39.00	-0.4	
	1.20um		5.5MsZ			FRANCE						0.8s	3.73nm	4.5mb	
N	16s	1.20um										62.28	331 eP	29 30.50	-1.6
E	16s	0.60um				ML 2.5 (GEN). MD 2.0 (STR).				BW06	1.0s	4.50nm		4.6mb	
		e	58 43.00		PZZ	0.25	46 P	58 32.38	0.1		TNP	63.00	323 eP	29 38.00	1.1
		e	59 20.00					S	58 36.15		SCH	65.68	5 eP	29 54.00	0.3
		e	06 42.00		DOI	0.33	59 P	58 34.00	0.2	ORV	66.51	322 eP	30 00.60	1.3	
IRK	98.56	340 ePc	56 23.10	1.7				eSg	58 39.20		SES	68.82	336 eP	30 14.00	0.3
		e	56 47.50					S	58 39.20		NEW	69.91	331 eP	30 20.20	-0.2
		e	00 26.00		STV	0.35	104 P	58 34.23	0.1	LIC	71.06	80 P	30 26.80	-1.2	
SKO	99.26	36 eP	56 28.00	3.3X				S	58 39.23		TIC	71.16	79 P	30 27.30	-1.3
Z	20s	3.09um		5.8MsZ		ENR	0.42	104 P	58 35.43	-0.1	KIC	71.37	80 P	30 28.50	-1.3
N	20s	1.91um						S	58 41.38		YKA	79.44	342 eP	31 14.50	-0.3
E	18s	2.42um						Pg	58 35.62	-0.1		0.9s	4.30nm		4.4mb
		e	59 45.00					Sg	58 41.64		INK	89.17	341 eP	32 04.00	0.2
		LR	41 49.00		AUTN	0.54	129 Pg	58 37.62	-0.1	MBC	90.83	350 eP	32 13.00	1.6	
SSE	107.35	317 PKP+	01 26.00	16.1X				Sg	58 45.23			1.0s	6.00nm		4.9mb
	6.0s	0.60nm				AURF	0.56	142 Pg	58 38.28	-0.1	WRA	138.38	223 PKP	38 36.00	0.6
Z	20s	0.50um		5.1MsZ		CALN	0.58	177 Pg	58 38.99	0.3		0.6s	2.90nm		
E	16s	0.50um				BHB	0.59	30 P	58 37.89	-0.9	BJI	149.42	344 ePKP	38 58.00	4.5X
		i	09 06.00					S	58 46.30			S.D. = 1.0	on 22 of 26 obs.		
MAIO	118.56	11 ePKP	01 33.00	1.8				P	58 38.12	-0.9					
WRA	122.29	261 PKP	01 38.00	-0.7	RRL	0.59	356 P	58 38.12	-0.9						
	0.8s	6.20nm						S	58 45.48						
KMI	122.39	326 ePKP	01 39.50	0.5	SAOF	0.62	124 Pg	58 39.17	-0.1						
Z	18s	0.70um		5.4MsZ				Sg	58 47.66						
QUE	125.57	5 ePKP	01 32.10	-12.9X	SBF	0.63	138 Pg	58 39.40	-0.2						
GUN	126.28	344 PKP	01 43.14	-3.6X				Sg	58 48.40						
	1.7s	218.00nm			BNI	0.73	350 P	58 43.00	1.7						
GKN	126.48	346 PKP	01 43.10	-3.7X				eSg	58 50.00		AGG	0.80	9 ePd	06 50.00	-1.0
	1.6s	105.00nm			ROB	0.74	92 P	58 41.61	0.3			eS	07 00.16		
KKN	126.54	345 PKP	01 43.42	-3.6X				S	58 51.33		ATH	1.25	102 ePn	07 00.00	1.3
	1.3s	70.00nm			FRF	0.78	191 Pg	58 41.40	-0.7			eSn	07 28.00		
PKI	126.72	345 PKP	01 43.48	-4.0X				Sg	58 53.10		VLS	1.25	268 ePn	06 56.70	-2.1
	1.3s	24.00nm				IMI	0.86	119 P	58 43.56	0.1		eSn	07 14.50		
DMN	126.76	345 PKP	01 43.82	-3.7X				S	58 55.02		VLI	1.63	158 ePn	07 04.50	-0.1
CHG	129.57	326 ePKP	01 52.90	0.2	RSP	0.87	19 P	58 43.53	-0.2	LIT	1.88	7 ePd	07 07.84	-0.3	
								S	58 55.02		IGT	1.93	313 ePc	07 15.72	6.8X

27d 23h

PAIG	2.06	34	iPc	07 10.02	-0.7
KZN	2.09	352	ePn	07 11.50	0.2
KEK	2.37	309	ePb	07 18.00	2.8X
FNA	2.62	347	ePd	07 20.28	1.5
GRG	2.72	4	ePd	07 22.08	1.8
SOH	2.74	19	ePd	07 20.36	-0.2
			eS	07 55.28	
KNT	2.98	11	ePc	07 23.60	-0.2
			iS	08 00.65	
OHR	3.06	340	ePn	07 29.40	4.3X
SRS	3.08	20	ePd	07 24.84	-0.4
VAY	3.10	6	ePn	07 25.40	-0.1
MMB	3.56	19	eP	07 30.00	-2.1
KKB	3.69	11	eP	07 34.00	-0.1
SKO	3.77	352	ePn	07 37.20	2.0
RZN	3.96	29	eP	07 36.00	-2.0
VTS	4.42	10	eP	07 46.00	1.5
CZI	4.82	284	P	07 51.30	1.2
MLR	7.78	20	eP	08 34.50	2.8X

S.D. = 1.4 on 19 of 23 obs.

? JUN 27, 1991 23h 34m 26.64±2.08s
18.132 N ±23.0km 67.118 W ±18.6km
DEPTH = 33.0km (normal)
MONA PASSAGE (89)

MGP	0.13	167	P	34 32.50	-0.1
LRS	0.31	58	P	34 35.00	0.5
			S	34 51.20	
PORP	0.46	100	P	34 37.00	0.3
CLLP	0.52	96	P	34 38.00	0.5
LPR	1.20	81	P	34 46.00	-1.2

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

& JUN 28, 1991 00h 06m 55.18s
58.493 N 142.710 W
DEPTH = 10.0km (geophysicist)
GULF OF ALASKA (15)
<AEIC>. ML 2.6 (AEIC).

YKU	1.87	54	iP	07 23.00	-4.5
PNL	2.08	54	iP	07 25.08	-5.4
MID	2.10	298	eP	07 26.29	-4.5
TGL	2.27	359	iP	07 28.11	-5.3
			eS	07 54.46	
CROM	2.28	355	eP	07 28.23	-5.4
BALM	2.56	4	iP	07 32.36	-5.1
			eS	08 01.03	
GLB	3.01	350	iP	07 38.24	-5.6
KNIM	3.17	308	eP	07 40.51	-5.6
VLZ	3.22	327	eP	07 40.29	-6.4
VZV	3.23	325	eP	07 40.25	-6.6
GLI	3.27	319	eP	07 40.99	-6.5
KLU	3.41	333	eP	07 43.90	-5.7
TOA	4.01	336	eP	07 52.44	-5.6

13 obs. associated

JUN 28, 1991 00h 30m 02.63±0.58s
38.255 N ±5.5km 22.255 E ±5.0km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 3.3 (ATH).

AGG	0.77	4	ePc	30 16.74	-0.9
			eS	30 28.06	
ATH	1.19	103	ePb	30 25.50	0.7
VLS	1.31	267	ePb	30 22.70	-4.2X
			eSn	30 41.30	
VLI	1.63	160	ePb	30 31.10	-0.3
LIT	1.85	6	iPd	30 34.09	-0.6
PAIG	2.00	33	ePc	30 36.30	-0.6
KZN	2.08	350	ePn	30 38.00	-0.1
KEK	2.40	308	ePb	30 44.00	1.4
FNA	2.62	345	iPd	30 48.30	2.6X
GRG	2.70	2	ePc	30 47.66	0.8
KNT	2.95	9	ePc	30 50.22	-0.1
			eS	31 28.02	
SRS	3.04	19	ePc	30 51.10	-0.5
OHR	3.07	339	ePn	30 53.30	1.3
VAY	3.07	4	ePn	30 51.70	-0.3
SKO	3.76	351	ePn	30 59.00	-3.0X
			i	31 55.00	
LCI	3.93	303	P	31 04.00	-0.3
TDS	4.82	289	P	31 16.00	-1.0
			eSn	31 59.50	
ORI	4.86	294	P	31 23.00	5.5X

CZI	4.88	283	P	31 16.00	-1.0
ATN	5.35	271	P	31 30.00	5.5X
SDI	7.34	301	P	31 53.50	1.0
			eSn	32 36.00	
MLR	7.74	20	ePc	31 58.50	0.4
VRI	8.30	22	ePc	31 09.00	-56.9X

S.D. = 0.8 on 17 of 23 obs.

? JUN 28, 1991 01h 00m 18.08±2.52s
59.134 S ±30.2km 30.338 W ±44.8km
DEPTH = 10.0km (geophysicist)
5.2mb (9 obs.) 4.5msz (1 obs.)
SOUTH SANDWICH ISLANDS REGION (153)

SPA	31.04	180	iPd	06 38.60	0.7
	0.9s	22.73nm		5.1mb	
Z	20s	1.13um		4.5msz	
		e	16 00.00		
MAW	38.71	142	eP	07 42.40	-0.7
	0.8s	26.00nm		5.0mb	
SBA	42.86	185	P	08 17.00	-0.3
HVD	46.87	78	eP	08 50.00	-0.1
	0.7s	13.70nm		5.1mb	
FRS	47.47	77	iPd	08 55.60	1.0
	1.2s	78.13nm		5.7mb	
WIN	49.51	64	iPc	09 04.50	-6.3X
	1.5s	55.56nm		5.3mb	
SEK	49.80	78	iPd	09 14.30	1.5
	0.8s	11.19nm		4.9mb	
PRY	50.86	77	eP	09 21.00	0.0
	1.0s	10.00nm		4.7mb	
KSR	51.45	76	iPd	09 24.50	-1.0
	1.2s	70.00nm		5.5mb	
SLR	52.25	77	iPd	09 28.70	-2.8X
BFT	53.18	78	eP	09 39.00	0.5
	1.3s	86.54nm		5.5mb	
BUL	57.10	73	iPc	10 06.50	-0.5
		i	10 13.00		
KRI	60.41	72	iPc	10 29.20	-0.8
		i	10 35.50		
MTD	61.42	74	iPc	10 36.40	-0.4
		i	10 42.70		

S.D. = 0.8 on 12 of 14 obs.

JUN 28, 1991 01h 10m 29.68±0.87s
37.955 N ±9.1km 19.820 E ±4.0km
DEPTH = 5.0km (geophysicist)
IONIAN SEA (399)
ML 3.7 (ATH).

VLS	0.65	70	ePg	10 42.20	-0.4
IGT	1.63	14	ePc	10 59.93	0.9
KEK	1.76	359	ePn	11 01.50	0.6
AGG	2.24	61	iPc	11 09.18	1.2
		eS	11 49.89		
VLI	2.77	115	ePn	11 16.00	0.4
LCI	2.78	329	P	11 15.60	-0.1
		eSn	11 49.00		
KZN	2.80	32	ePn	11 14.00	-2.0
LIT	2.99	43	ePc	11 20.33	1.7
ROI	3.01	303	P	11 19.00	0.0
FNA	3.07	23	ePc	11 21.81	2.0
		eS	12 14.37		
ATH	3.08	88	ePg	11 28.50	8.6X
CZI	3.15	295	P	11 20.70	-0.2
TDS	3.21	303	P	11 21.00	-0.7
		eSn	12 02.50		
OHR	3.24	13	ePn	11 21.20	-1.0
CSI	3.30	305	P	11 25.70	2.6X
ORI	3.37	310	P	11 25.00	1.0
ATN	3.45	275	P	11 24.00	-1.1
		eSg	12 06.50		
BRT	3.55	326	P	11 26.00	-0.6
		eSn	12 09.20		
MMN	3.56	304	P	11 28.20	1.6
		eSn	12 12.50		
PAIG	3.60	56	ePc	11 26.64	-0.6
		iS	12 21.97		
GRG	3.60	33	ePc	11 27.72	0.4
THE	3.62	41	ePd	11 27.85	0.3
SOH	3.96	43	ePc	11 33.89	1.4
VAY	3.98	31	ePn	11 32.40	-0.2
MEU	3.98	259	P	11 29.00	-3.8X
		eSn	12 14.50		
KNT	3.99	36	iPc	11 32.74	-0.1
SKO	4.20	17	ePn	11 36.50	0.7

SRS	4.30	42	ePd	11 36.88	-0.3
SRS	4.30	42	iPd	11 38.02	0.8
		eS	12 41.45		
KKB	4.64	32	eP	11 41.00	-1.1
MMB	4.72	38	eP	11 42.00	-1.2
RZN	5.30	44	i(P)d	11 50.00	-1.6
VTS	5.31	28	eP	11 50.00	-1.6
PTJ	8.44	341	eP	12 31.60	-4.0X

S.D. = 1.1 on 30 of 34 obs.

JUN 28, 1991 02h 40m 07.90±1.01s
6.276 S ±6.0km 151.358 E ±8.4km
DEPTH = 55.9 ±9.9 km
4.6mb (5 obs.)
NEW BRITAIN REGION (192)

RAB	2.22	21	iPd	40 43.20	0.2
	0.4s	1898.31nm			
		iS	41 13.00		
PMG	5.20	233	eP	41 24.70	-0.4
RMO	20.25	187	iPd	44 41.40	0.1
MTN	20.98	250	eP	44 48.50	-0.3
BRS	21.04	176	iPd	44 49.00	-0.4
WB2	21.39	229	iPd	44 52.50	-0.4
	0.7s	19.90nm		4.6mb	
DZM	21.42	139	iPd	44 53.10	-0.3
ASPA	24.10	222	iPc	45 20.40	0.9
	0.8s	37.20nm		4.9mb	
		eS	49 42.00		
STK	27.06	198	eP	45 48.20	1.1
	1.0s	2.40nm		3.8mb	
GUN	71.67	302	P	51 26.76	0.2
	0.5s	12.00nm		5.1mb	
PKI	71.96	302	P	51 28.12	-0.2
KKN	72.14	302	P	51 29.12	-0.1
DMN	72.23	301	P	51 30.02	0.2
GKN	72.74	302	P	51 32.64	0.0
INK	90.34	21	eP	53 03.00	-0.8
MBC	95.88	14	eP	53 30.50	1.3
YKA	97.39	28	eP	53 45.50	9.3X
	0.7s	0.90nm		4.4mb	
HFS	117.50	338	ePKP	58 47.60	-1.2
	0.8s	2.60nm			

S.D. = 0.7 on 17 of 18 obs.

? JUN 28, 1991 05h 19m 02.30±3.14s
44.116 N ±14.1km 9.729 E ±26.2km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)

PGF	1.65	199	Pn	19 31.60	0.0
SBF	1.67	262	Pn	19 32.20	0.4
		Sn	19 59.00		
FRF	2.30	257	Pn	19 40.40	-0.4
		Sn	20 12.00		
LMR	2.46	253	Pn	19 43.50	0.4
		Sn	20 16.00		
LRG	2.53	256	Pn	19 43.70	-0.3
LPL	2.55	304	Pn	19 44.60	0.0

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

* JUN 28, 1991 05h 30m 09.51±0.80s
38.104 N ±9.1km 21.994 E ±8.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 3.0 (ATH).

VLS	1.11	274	ePg	30 30.00	-0.3
ATH	1.37	95	ePb	30 34.00	-0.6
VLI	1.57	151	ePb	30 38.00	0.5
KZN	2.21	356	ePn	30 47.00	0.2
KEK	2.35	314	ePg	30 52.00	3.3X
OHR	3.14	343	ePn	31 00.20	0.2
VAY	3.24	8	ePn	30 57.30	-4.1X
SKO	3.89	354	ePn	31 21.00	10.4X

S.D. = 0.6 on 5 of 8 obs.

JUN 28, 1991 06h 48m 22.81±0.68s
37.108 N ±6.1km 3.866 W ±5.6km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.0 (MDD).

AFC	0.29	60	iPg	48 27.90	-1.1
EGUA	0.36	139	ePg	48 31.23	0.9
MAL	0.58	229	ePn	48 33.00	-1.5
		iSg	48 47.00		

EBAN	1.06	3	iPg	48 42.50	-0.2	SVW	1.83	311	iPd	58 41.43	-1.4	39.092 N ± 8.0km	27.654 E ± 17.2km
			eSg	48 57.00					eS	59 03.87		DEPTH = 10.0km	(geophysicist)
EPRU	1.10	263	ePg	48 48.67	5.1X	PMS	2.04	49	ePc	58 44.44	-1.1	TURKEY	(366)
			eSg	49 05.10		SKT	2.12	16	iPc	58 45.53	-1.1	MD 2.8 (ISK).	
EHUE	1.23	55	ePg	48 46.31	0.5				eS	59 11.08			
			eSg	49 00.20		PWA	2.21	38	eP	58 47.16	-0.6	IZM	0.76 204 ePg 02 15.70 0.0
EHOR	1.31	303	ePg	48 48.43	1.4	KDC	2.21	176	ePd	58 45.31	-2.5		eSg 02 27.20
			eSg	49 06.70					eS	59 11.09		EZN	1.26 306 ePn 02 24.40 0.1
ENIJ	1.33	95	ePg	48 47.97	0.5	PLRM	2.42	46	ePc	58 48.51	-2.1	BNT	1.28 9 ePn 02 24.80 0.2
			eSg	49 03.50					eS	59 15.84		KGT	1.38 349 ePn 02 25.80 -0.3
EJIF	1.44	244	ePn	48 52.77	3.8X	PMR	2.42	46	eP	58 48.50	-2.1	S.D. = 0.4	on 4 of 4 obs.
			eSn	49 13.60		LTI	2.46	86	iPc	58 49.11	-2.1		
EVIA	1.87	35	iPnc	48 54.78	-0.4	KNIM	2.54	79	iPc	58 49.52	-2.7	& JUN 28, 1991 09h 26m 49.70s	
			eSn	49 18.00		MTU	2.57	87	eP	58 50.73	-1.8	37.077 N	122.370 W
EVAL	2.35	283	ePn	49 29.90	27.9X	KNK	2.57	53	iPc	58 50.50	-2.2	DEPTH = 9.0km	
			eSn	49 33.20		GHO	2.62	44	iPc	58 51.26	-2.1	CENTRAL CALIFORNIA	(39)
EPLA	3.42	330	ePn	49 17.73	0.4	CUT	2.74	25	eP	58 53.52	-1.4	<BRK>. ML 3.7 (BRK).	
GUD	3.54	356	ePg	49 31.06	12.1X	SML	2.85	47	iPc	58 54.33	-2.2	Mo=4.2*10**14 Nm (BRK).	
			eS	50 11.60		GLI	2.96	69	ePc	58 54.81	-3.1		
ETOR	3.97	20	ePn	49 24.62	-0.4	HIN	3.16	79	eP	58 57.40	-3.2	GCC	0.30 99 iPc 26 55.82 -0.1
S.D. = 1.0	on 10 of 14 obs.					SCM	3.25	52	ePc	58 59.48	-2.5		iS 26 59.97
* JUN 28, 1991 07h 09m 29.98± 2.51s						VZW	3.26	67	eP	58 59.10	-3.0	PCC	0.42 359 iPd 26 58.11 -0.2
37.031 N ± 10.0km	27.754 E ± 15.0km					MID	3.29	96	eP	59 00.15	-2.3		iS 27 03.97
DEPTH = 10.0km (geophysicist)						TIA	3.37	334	ePd	59 01.94	-1.7	MHC	0.64 65 iPd 27 02.40 -0.1
TURKEY						HUR	3.39	25	eP	59 03.28	-0.5		iS 27 11.70
MD 3.5 (ISK).						VLZ	3.39	67	eP	59 00.71	-3.0	ARN	0.72 68 iPc 27 03.60 -0.4
									eS	59 39.02		SAO	0.80 113 iPc 27 04.55 -0.9
YER	0.44	76	iPg	09 38.50	-0.4	CVA	3.54	77	eP	59 02.84	-3.0	BKS	0.81 8 iPc 27 04.80 -0.6
			iSg	09 46.10		KLU	3.70	62	iPc	59 05.27	-2.8		iS 27 16.20
CIN	0.63	25	ePg	09 43.00	0.4	TRF	3.70	17	ePc	59 07.92	-0.3	ZSP	0.87 6 iPc 27 06.30 -0.2
			iSg	09 56.00		KTH	3.72	13	eP	59 07.39	-1.0		iS 27 19.41
IZM	1.42	344	ePn	09 55.60	-0.2	SGAM	3.80	78	ePc	59 06.40	-3.1	PRS	1.10 132 eP 27 11.73 1.4
ELL	1.75	99	iPn	10 01.00	0.3	TOA	3.86	53	ePc	59 08.21	-2.1		iS 27 27.77
KHL	1.91	47	iPn	10 02.70	-0.2	RND	3.93	27	ePc	59 09.72	-1.6	LLA	1.23 111 iP 27 11.43 -1.3
S.D. = 0.5	on 5 of 5 obs.					RAGM	4.06	80	eP	59 10.66	-2.4		eS 27 30.18
& JUN 28, 1991 07h 58m 11.97s						TZL	4.14	56	eP	59 11.45	-2.6	NWRM	1.44 344 eP 27 13.50 -2.4
59.951 N	152.753 W					MCK	4.20	24	eP	59 14.19	-0.8	PRI	1.66 124 eP 27 18.01 -1.2
DEPTH = 98.7km						HMT	4.26	81	eP	59 14.14	-1.7	CMB	1.84 58 iPc 27 20.96 -0.9
SOUTHERN ALASKA						SDG	4.34	50	eP	59 14.40	-2.4	PHAM	2.01 127 eP 27 21.50 -2.8
<AEC>.						PAX	4.62	46	eP	59 18.67	-2.2	FRI	2.13 91 iPc 27 24.29 -1.6
						GLB	4.64	67	iPc	59 17.78	-3.3		iS 27 50.85
RSO	0.51	360	iPc	58 27.56	-0.6	CROM	4.84	76	eP	59 21.35	-2.6	ORV	2.57 15 ePc 27 30.20 -1.9
RS2	0.51	360	iPc	58 27.60	-0.6	NEA	4.95	19	eP	59 22.96	-2.3	MIN	3.32 10 eP 27 43.01 0.1
RDW	0.53	357	iPc	58 27.61	-0.7	WAX	4.97	80	eP	59 22.24	-3.3	16 obs. associated	
REF	0.54	3	iPc	58 27.72	-0.7	TGL	4.99	76	eP	59 23.91	-2.1		
			eS	58 39.83		WRH	5.03	24	eP	59 24.26	-2.2	* JUN 28, 1991 10h 11m 05.62± 1.30s	
RDN	0.56	359	iPc	58 27.86	-0.6	CCB	5.25	24	eP	59 26.66	-2.7	15.249 N ± 20.6km	94.778 W ± 7.6km
NCT	0.62	352	iPc	58 28.16	-0.8	BALM	5.26	74	eP	59 27.22	-2.5	DEPTH = 33.0km (normol)	
			iS	58 40.74		RDS	5.34	22	eP	59 28.61	-2.1	NEAR COAST OF OAXACA, MEXICO	(66)
HOM	0.63	117	iPd	58 28.50	-0.4	MDM	5.45	21	eP	59 29.26	-2.9	Felt in the Ixhuatan-Tonalá	
			eS	58 40.85		FBA	5.47	23	eP	59 30.00	-2.5	area.	
DFR	0.64	3	iPc	58 28.36	-0.8	GLM	5.63	24	eP	59 31.81	-3.0	PBJ	1.33 333 (P) 11 22.00 -6.0X
RDT	0.65	15	iPc	58 28.25	-0.9	CTGM	5.74	75	ePc	59 34.58	-1.8		(S) 11 36.00
			eS	58 40.86		IMA	6.16	356	eP	59 40.00	-2.0	TPX	2.46 98 eP 11 44.50 0.3
AUE	0.67	208	iPd	58 28.39	-0.8	PNL	6.74	87	eP	59 47.31	-2.7		(S) 12 22.50
AUH	0.69	211	iPd	58 28.76	-0.7	79 obs. associated						SCX	2.54 54 eP 11 45.00 -0.4
AUI	0.71	209	ePd	58 28.71	-0.8	% JUN 28, 1991 08h 05m 54.94± 1.86s							iS 12 15.50
			eS	58 41.41		41.345 N ± 13.4km	29.279 E ± 12.0km					VHO	2.61 314 (P) 11 46.50 -0.1
XLV	0.72	133	iPc	58 28.74	-1.0	DEPTH = 10.0km (geophysicist)							(S) 12 13.00
			eS	58 42.18		TURKEY						OXX	2.61 315 iP 11 47.00 0.4
NNL	0.74	82	iPc	58 30.11	0.3	MD 2.9 (ISK).							iS 12 18.50
CNPM	0.88	118	iPd	58 30.53	-0.8	ISK	0.32	211	ePg	06 01.50	-0.2	IIT	5.05 319 (P) 12 31.00 9.7X
			eS	58 44.85		HRT	0.60	151	ePg	06 06.30	-0.8	ACX	5.14 289 (P) 12 21.50 -0.9
BRLK	0.96	100	iPd	58 31.51	-0.7	CTT	0.67	253	iPg	06 07.50	-0.8	PPM	5.29 316 eP 12 26.00 1.1
			eS	58 46.02					eSg	06 17.00		III	5.46 305 eP 12 27.50 0.4
NKA	1.10	43	iPc	58 34.70	1.1	IZI	1.02	172	iPg	06 15.30	1.0	MRX	7.56 307 eP 12 57.00 0.7
MCNL	1.11	227	iPd	58 32.83	-1.0	DMK	1.24	293	iPn	06 18.20	0.3	S.D. = 0.8	on 8 of 10 obs.
			eS	58 48.39		KGT	1.74	240	ePn	06 25.80	0.4		
CDD	1.12	204	iPd	58 32.73	-1.3	S.D. = 0.9	on 6 of 6 obs.					* JUN 28, 1991 11h 11m 09.93± 1.75s	
			eS	58 48.31		% JUN 28, 1991 08h 09m 52.82± 1.95s						35.840 N ± 17.0km	139.524 E ± 9.9km
CKL	1.27	9	iPc	58 35.10	-0.7	41.479 N ± 13.1km	29.303 E ± 12.0km					DEPTH = 114.7 ± 15.0 km	
SPU	1.28	15	iPc	58 35.15	-0.8	DEPTH = 10.0km (geophysicist)						4.5mb (7 obs.)	
			eS	58 53.01		TURKEY						NEAR S. COAST OF HONSHU, JAPAN	(230)
BGL	1.33	8	ePc	58 35.99	-0.5	MD 3.0 (ISK).						Felt (IV) at Yokosuka.	
CRP	1.35	12	iPc	58 36.31	-0.6	ISK	0.45	204	ePg	10 01.80	-0.2	SHK	5.76 259 eP 12 34.70 0.4
			eS	58 55.88		HRT	0.71	157	iPg	10 06.80	-0.1	SSE	16.01 258 eP 14 54.60 4.9X
SYI	1.36	172	iPd	58 35.71	-1.0	CTT	0.74	244	iPn	10 07.30	0.0		eS 15 04.00
			eS	58 54.07		IZI	1.15	174	ePn	10 14.50	0.1		eS 17 52.00
SLKM	1.38	65	ePc	58 35.73	-1.4	DMK	1.21	287	iPn	10 15.20	-0.1	BJI	18.87 290 eP 15 23.00 -0.7
CGLM	1.41	15	iPc	58 36.89	-0.6	KGT	1.83	237	ePn	10 24.80	0.3	YAK	26.92 350 iPc 16 41.40 -0.3
			eS	58 55.58		S.D. = 0.2	on 6 of 6 obs.						e 21 26.00
NCG	1.49	11	ePc	58 37.84	-0.7	? JUN 28, 1991 09h 02m 00.84± 1.37s						GUN	45.76 276 P 19 21.96 0.0
SEW	1.67	83	eP	58 39.13	-1.5							PKI	46.28 276 P 19 25.20 -0.8
			eS	58 59.74								KKN	46.29 276 P 19 25.78 -0.2
SUA	1.81	32	iPc	58 42.06	-0.6							DMN	46.51 276 P 19 27.44 -0.3

28d 11h

GKN 46.72 277 P 19 29.10 -0.2
0.9s 46.00nm 5.2mb
INK 56.14 27 ePd 20 38.80 -0.4
MBC 58.10 16 eP 20 53.50 0.6
0.9s 4.00nm 4.4mb
GBA 59.60 265 P 21 05.00 1.0
0.4s 1.50nm 4.4mb
SOD 65.47 337 iP 21 42.80 0.6
YKA 65.60 29 eP 21 43.20 0.1
0.7s 1.40nm 4.0mb
PNT 70.09 43 eP 22 11.00 -0.3
0.7s 4.00nm 4.4mb
NUR 70.28 332 eP 22 13.00 0.8
SES 74.05 39 ePd 22 34.30 -0.4
NB2 74.69 337 P 22 38.80 0.6
0.8s 8.20nm 4.6mb
FFC 75.53 32 iPd 22 42.80 -0.2
0.7s 6.00nm 4.5mb
LRM 76.06 43 eP 22 46.50 -0.1
SIV 153.01 48 PKP 30 55.00 7.0X
S.D. = 0.6 on 19 of 21 obs.

% JUN 28, 1991 12h 18m 24.54±1.22s
39.113 N ± 7.5km 27.706 E ± 15.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MD 2.8 (ISK).

IZM 0.79 206 ePn 18 40.00 0.0
iSg 18 52.70
EDC 1.24 6 ePn 18 47.50 0.0
BNT 1.25 8 ePn 18 47.80 0.0
EZN 1.28 304 iPn 18 48.30 0.0
KGT 1.37 347 ePn 18 49.80 0.1
S.D. = 0.1 on 5 of 5 obs.

* JUN 28, 1991 12h 52m 12.76±2.41s
17.123 N ± 16.8km 100.441 W ± 19.6km
DEPTH = 10.0km (geophysicist)
GUERRERO, MEXICO (59)
Felt at Morro Paponea and San Jeronimo.

ACX 0.61 114 iP 52 25.00 -0.1
iS 52 37.00
III 1.55 37 eP 52 40.50 -0.2
iS 53 05.00
UNM 2.50 28 (P) 53 01.50 7.1X
(S) 53 34.00
TAC 2.56 27 (P) 53 05.00 9.7X
(S) 53 34.00
PPM 2.59 41 eP 52 56.00 0.1
iS 53 31.50
MRX 2.66 345 eP 52 56.50 0.0
(S) 53 31.00
IIT 2.77 47 (P) 53 05.50 7.2X
(S) 53 40.50
OXX 3.56 90 eP 53 09.50 0.2
S.D. = 0.2 on 5 of 8 obs.

JUN 28, 1991 13h 54m 40.55±0.75s
6.609 S ± 4.9km 105.579 E ± 5.1km
DEPTH = 112.1 ± 6.9 km
5.3mb (29 obs.)
SUNDA STRAIT (276)

TRT 7.09 99 ePd 56 20.70 -2.5
0.5s 95.20nm 5.6mb
KGM 8.86 345 ePc 56 48.70 1.4
e 59 29.80
IPM 12.01 338 ePc 57 34.80 5.6X
NANU 18.54 150 eP 58 45.00 -6.3X
NNT 19.94 343 eP 59 04.00 -2.0
MNI 20.82 68 e(P) 59 14.00 -1.0
KHT 22.35 342 eP 59 31.50 1.3
AAI 22.71 84 eP 59 33.00 -0.6
LOE 24.16 351 eP 59 48.00 0.3
CGP 24.23 52 eP 59 53.00 4.7X
KNA 24.47 114 eP 59 50.00 -0.6
MRWA 24.54 158 eP 59 50.80 -0.4
eS 04 14.00
BDT 24.57 345 eP 59 51.00 -0.5
MTN 25.92 106 eP 00 03.00 -1.1
CHG 26.09 346 eP 00 05.90 0.2
0.9s 10.50nm 4.4mb
e 07 12.80
PLP 26.16 48 eP 00 09.50 3.2X

MUN 27.12 160 eP 00 13.00 -1.9
eS 05 19.00
WARB 27.97 136 eP 00 20.70 -2.0
0.4s 8.00nm 4.7mb
COOL 28.22 151 iPc 00 32.10 7.2X
eS 05 41.00
KMI 31.66 355 eP 00 57.50 1.9
Z 20s 0.80um 4.4MsZ
FORR 32.05 142 eP 00 58.00 -0.7
0.4s 15.00nm 5.1mb
ASPA 32.06 125 eP 00 57.90 -1.1
0.4s 55.90nm 5.7mb
Z 22s 0.70um 4.3MsZ

KOD 32.62 301 eP 01 04.40 0.3
GBA 34.41 306 Pd 01 18.80 -0.4
0.8s 16.00nm 4.9mb
JAY 35.24 85 iP 01 23.50 -2.9X
QIS 35.76 116 iPd 01 30.60 -0.1
0.3s 21.00nm 5.5mb
i 01 55.00

HYB 35.82 312 ePd 01 30.00 -1.2
1.0s 50.00nm 5.4mb
PKI 39.18 331 P 01 58.48 -1.1
GUN 39.24 332 P 01 59.40 -0.7
0.5s 67.00nm 5.7mb
DMN 39.36 331 P 02 00.56 -0.4
KKN 39.42 331 P 02 00.46 -1.0
0.6s 50.00nm 5.5mb
GKN 39.91 330 P 02 04.70 -0.7
POO 40.04 309 iP 02 10.00 3.5X
0.8s 28.36nm 5.1mb
PMG 41.25 97 iPd 02 16.60 0.2
1.1s 455.70nm 6.2mb

ADE 41.54 137 iPd 02 18.60 0.0
0.6s 253.33nm 6.2mb
CTAO 41.65 113 iPd 02 20.50 0.9
0.9s 34.60nm 5.1mb
QLP 41.79 123 iPd 02 22.30 1.6
0.5s 125.00nm 5.9mb
i 04 17.00

STK 41.95 132 iPd 02 22.40 0.5
0.4s 60.20nm 5.7mb
i 04 16.50
GUMO 43.87 63 eP 02 36.60 -1.1
0.5s 40.82nm 5.5mb
e 03 15.60
PJG 43.87 63 eP 02 36.80 -0.9
CMS 44.99 129 iPd 02 47.40 0.9
0.9s 34.00nm 5.1mb
8FD 45.35 138 iPc 02 48.50 -0.7
0.5s 47.00nm 5.5mb
RMQ 45.57 121 iPd 02 52.60 1.4
0.5s 25.00nm 5.3mb
i 04 30.30

BJI 47.43 11 eP 03 06.00 0.4
e 04 35.50
TOO 47.55 136 iPd 03 09.00 2.3
BWA 48.20 131 iPd 03 13.80 2.1
CAN 49.01 132 iPd 03 18.80 0.8
i 04 41.30
BRS 49.27 121 iPc 03 23.00 3.0X
CNB 49.28 132 iPd 03 20.90 0.8
COO 49.48 125 iPc 03 23.90 2.2
50.75 32 eP 03 31.10 0.0
TAU 51.53 141 eP 03 37.00 0.1
QUE 52.06 317 eP 03 40.10 -1.3
MTMJ 52.51 33 eP 03 44.20 -0.3
MAT 52.70 33 eP 03 45.00 -0.7
0.5s 6.34nm 4.8mb
eS 11 27.00

CHJJ 52.77 34 eP 03 45.40 -0.8
YAMJ 54.88 33 eP 04 01.40 -0.3
OFUJ 56.42 33 P 04 12.10 -0.6
DZM 60.57 112 iPd 04 42.00 0.1
MAIO 60.71 318 iPd 04 41.20 -1.4
IR4 66.14 313 iPd 05 18.70 0.4
IR5 66.36 313 eP 05 20.50 0.8
IR1 66.37 313 iPd 05 20.00 0.2
IR7 66.56 313 iPd 05 21.50 0.5
MAW 67.34 196 iPd 05 23.80 -1.3
LTZ 68.48 133 Pc 05 32.50 -0.3
THZ 68.75 132 Pd 05 34.70 0.2
KHZ 69.34 133 P 05 37.80 -0.1
MRW 70.00 131 P 05 41.40 -0.6

TAB 70.69 314 eP 05 40.00 -6.5X
i 05 47.00
YAK 70.92 12 eP 05 45.20 -2.0
HBZ 72.31 127 P 05 56.60 0.6
PUZ 72.32 128 P 05 55.80 -0.3
MTD 72.83 255 iPc 05 58.00 -1.5
e 06 58.00

BFT 74.15 245 eP 06 06.50 -0.7
0.7s 30.82nm 5.2mb
KRI 74.71 254 iPd 06 08.00 -2.4
i 06 22.40
i 06 36.70
BUL 75.54 251 iPd 06 14.00 -1.1
1.0s 35.00nm 5.1mb
i 06 32.20
i 06 42.20

SLR 75.73 245 iPd 06 13.50 -2.7X
0.9s 33.61nm 5.1mb
SEK 76.31 243 iPc 06 19.30 -0.1
1.0s 15.00nm 4.8mb
PRY 76.45 244 eP 06 19.50 -0.7
KSR 76.98 245 eP 06 07.50 -15.7X
MML 77.05 305 eP 06 07.40 -15.8X
FRS 78.31 241 iPd 06 29.00 -1.1
1.0s 15.00nm 4.8mb
SPA 83.44 180 iPd 06 56.50 -0.1
1.0s 46.00nm 5.3mb
i 07 23.30

OBN 83.61 327 eP 06 58.00 0.6
1.0s *****nm 8.2mb X
e 07 12.00
NVL 85.05 199 ePc 07 05.00 0.6
WIN 86.10 248 iPc 07 11.60 0.8
0.6s 13.33nm 5.1mb

VR1 87.00 317 iPd 07 16.50 2.1
MLR 87.45 316 ePd 07 18.20 1.4
VAY 89.09 312 eP 07 25.40 0.9
OHR 90.38 311 eP 07 31.20 0.6
NUR 91.25 331 eP 07 35.00 1.0
SOD 91.82 338 eP 07 37.00 0.4
HFS 96.62 330 eP 07 59.50 0.8
0.5s 2.70nm 5.0mb

INK 107.21 20 ePKP 12 56.00 1.5
LKO 111.88 278 PKP 13 04.86 -0.1
0.6s 8.50nm
PNT 123.00 34 ePKP 13 27.00 1.8
0.5s 3.00nm
FFC 127.16 20 ePKPc 13 34.50 1.4
0.8s 10.00nm
SCH 131.54 354 ePKP 13 43.00 1.5
SOB1 143.08 245 (PKP) 13 55.00 -8.9X
TUL 144.86 31 iPKPc 14 06.40 0.0
1.0s 73.30nm
SIV 153.94 210 PKP 14 22.00 1.2
i 14 29.50
i 14 43.00

CNCB 155.88 195 PKP 14 27.00 2.9X
ZOB0 156.43 195 PKP 14 26.00 1.1
S.D. = 1.1 on 90 of 104 obs.
JUN 28, 1991 14h 04m 08.89±0.75s
36.443 N ± 8.3km 26.553 E ± 6.4km
DEPTH = 152.7 ± 15.1 km
DODECANESE ISLANDS (369)
MD 3.6 (ISK).

ARG 1.29 100 eP 04 36.90 0.1
eS 04 56.00
NPS 1.40 213 eP 04 38.50 0.5
YER 1.55 63 iPn 04 38.00 -1.6
CIN 1.69 46 eP 04 40.00 -0.9
IZM 2.03 16 iPn 04 43.70 -1.3
ELL 2.72 83 iPn 04 54.50 1.1
VLI 2.92 276 eP 04 56.50 0.6
eS 05 30.00
KHL 3.02 51 iPn 04 58.80 1.6
EZN 3.38 357 iPn 05 02.00 0.2
BCK 3.39 71 iPn 05 04.00 2.0
CSS 5.71 103 e(P) 05 32.00 -0.6
KOT 7.86 144 ePn 06 01.50 0.1
eSn 07 22.50
ADI 7.88 113 eP 06 01.60 -0.3
JVI 8.56 119 eP 06 10.00 -0.9
CZI 8.70 292 P 06 12.20 -0.4
S.D. = 1.2 on 15 of 15 obs.

& JUN 28, 1991 14h 43m 54.50s

34.262 N 118.002 W
 DEPTH = 11.0km
 5.8mb (70 obs.) 5.1Msz (15 obs.)
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 5.4 (PAS). 5.7
 (BRK). Mo=3.0*10**17 Nm (PPT).
 One person killed at Arcadio and
 one person died from a heart
 attack at Glendole. At least 100
 people were injured although
 most involved only minor cuts
 and bruises. Damage in the
 Arcadio, Monrovia, Pasadena, San
 Marino and Sierra Madre areas
 estimated at 33.5 million
 dollars. Maximum intensity VII
 at Arcadio, Monrovia, Pasadena
 and Sierra Madre. Same
 rockslides occurred on mountain
 roads. Felt strongly throughout
 much of southern California from
 Santa Barbara to San Diego and
 east as far as the Palm Springs-
 India area. Depth 9.9 kilometers
 from broadband displacement
 seismograms.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=201 Dip=60 Slip= 33
 NP2: 93 62 145
 Principal Axes:
 T Plg=43 Azm= 56
 P 1 147
 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: 7 Focal mech. F
 Energy 1.0±0.3*10**13 Nm
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 33C
 Centroid Location:
 Origin Time 14:44: 0.0 0.5
 Lat 34.26N FIX; Lon 118.00W FIX
 Dep 20.9 3.2 Half-duration 2.6
 Moment Tensor; Scale 10**17 Nm
 Mrr= 2.72 0.14 Mtt=-2.82 0.20
 Mff= 0.10 0.19 Mrt=-0.20 0.37
 Mrf=-1.73 0.36 Mtf=-1.38 0.14
 Principal Axes:
 T Val= 3.61 Plg=62 Azm= 81
 N -0.12 27 241
 P -3.49 8 335
 Best Double Couple: Mo=3.5*10**17
 NP1:Strike= 93 Dip=43 Slip= 130
 NP2: 223 58 58

PEM 0.14 131 iPd 43 57.73 -0.3
 PAS 0.18 231 iPc 43 58.42 -0.2
 TCC 0.27 182 iPd 43 59.97 -0.2
 PCF 0.27 140 iPd 43 59.90 -0.4
 SCY 0.41 248 iPc 44 02.24 -0.6
 VPD 0.49 156 iPd 44 03.97 -0.5
 PVPS 0.58 215 iPd 44 05.51 -0.6
 FMA 0.60 203 eP 44 05.80 -0.6
 PEC 0.79 118 iPd 44 08.60 -1.2
 CIS 0.92 201 ePd 44 11.30 -0.6
 CIW 0.92 210 iPd 44 11.27 -0.6
 ABL 1.16 301 iPd 44 15.20 -1.1
 PLM 1.31 133 iPd 44 17.60 -1.2
 SCI 1.36 200 eP 44 18.00 -1.3
 SBC 1.43 278 ePd 44 20.52 0.2
 GSC 1.43 43 ePd 44 20.50 0.1
 ISA 1.45 345 ePd 44 20.71 0.0
 CPE 1.57 151 eP 44 20.70 -1.6
 CLC 1.59 12 iPd 44 22.30 -0.3
 TPC 1.63 95 ePc 44 22.50 -0.7
 BAR 1.93 144 ePd 44 26.20 -1.4
 BCH 1.95 299 iPd 44 27.50 -0.4
 BLP 2.01 279 ePd 44 27.60 -1.0
 PKEM 2.49 317 eP 44 35.00 -0.6
 PHAM 2.52 309 eP 44 34.80 -1.2
 PRI 2.88 311 eP 44 40.19 -1.0
 GLA 2.91 114 eP 44 39.70 -1.9

FRI 3.06 333 eP 44 42.94 -0.7
 LLA 3.36 315 eP 44 46.71 -1.3
 PRS 3.44 308 iP 44 46.92 -2.2
 BONR 3.69 356 eP 44 53.00 0.0
 SAO 3.76 313 eP 44 51.79 -1.9
 TNP 3.86 9 iPc 44 55.50 0.2
 ARN 4.21 318 eP 44 57.90 -2.2
 CMB 4.23 334 ePd 44 58.79 -1.6
 GCC 4.27 311 ePd 44 58.23 -2.6
 KVN 4.78 359 eP 45 08.30 0.0
 BKS 4.98 318 iPd 45 08.60 -2.3
 ORV 5.98 333 eP 45 24.49 -0.5
 MSU 6.33 46 iPd 45 30.50 0.2
 LTCM 6.78 332 eP 45 35.00 -1.4
 DUG 7.22 33 eP 45 43.40 0.7
 LBFM 7.71 338 eP 45 49.40 -0.2
 FHC 8.07 326 eP 45 54.50 0.0
 DAU 8.16 39 eP 45 58.00 2.1
 PV09 8.31 57 eP 45 57.50 -0.5
 ALO 9.54 83 iPc 46 13.80 -1.2
 ANMO 9.54 83 ePc 46 13.52 -1.5
 PTI 9.66 25 eP 46 17.50 1.0
 BW06 10.77 35 eP 46 32.70 0.9
 GOL 11.46 58 eP 46 41.00 -0.4
 GLD 11.59 58 eP 46 43.00 0.0
 LRM 12.30 19 ePc 46 56.30 3.7
 LON 12.80 348 ePd 47 00.47 1.3
 NEW 14.00 2 eP 47 17.00 2.0
 RSSD 14.62 44 eP 47 22.70 -0.5
 PGC 14.94 346 eP 47 29.00 1.9
 PNT 15.09 356 P 47 32.00 2.8
 MEO 16.02 83 iPc 47 40.20 -1.1
 SES 16.91 15 ePc 47 53.60 1.1
 1.9s 2142.00nm 6.0mb
 TUL 18.25 78 ePd 48 08.80 -0.5
 1.2s 681.20nm 5.7mb
 Z 18s 11.63um 4.2Msz
 eS 51 29.00
 LO 53 09.00
 eLg 53 31.10
 LR 53 55.00

MRX 20.80 130 (P) 48 41.00 2.7
 CCM 21.90 72 iPc 48 49.52 0.1
 e 48 51.93
 eS 52 56.58
 TAC 22.32 127 (P) 49 02.00 8.1
 FVM 22.55 73 eP 48 55.60 -0.2
 1.2s 205.88nm 5.5mb
 TPM 22.71 127 (P) 49 10.00 12.4
 ILL 22.88 129 (P) 49 01.00 1.6
 PPM 22.93 126 (P) 49 01.50 1.2
 FFC 23.33 24 iPc 49 03.20 -0.1
 1.4s 850.00nm 6.1mb
 ACX 23.76 132 (P) 49 10.00 2.3
 OXX 25.61 127 (P) 49 27.50 1.8
 SIT 25.66 338 eP 49 26.00 0.4
 1.5s 621.62nm 6.1mb
 YKA 28.33 3 eP 49 49.70 -0.3
 1.1s 38.20nm 5.1mb
 CLE 29.51 65 eP 49 59.50 -1.4
 DLA 29.57 62 P 50 00.75 -0.6
 ELF 29.78 62 P 50 01.85 -1.4
 LDN 29.87 62 P 50 02.35 -1.7
 JSC 30.26 79 eP 50 06.30 -1.3
 BLA 30.52 74 eP 50 09.30 -0.6
 1.0s 100.00nm 5.6mb
 CVL 31.99 72 eP 50 21.50 -1.3
 SCP 32.28 66 iPc 50 24.30 -1.0
 ed 50 27.70
 CBN 32.82 71 eP 50 29.00 -1.0
 1.0s 24.10nm 5.1mb
 TOA 33.08 336 P 50 33.80 1.7
 SLKM 33.52 331 P 50 36.70 0.8
 PMR 33.78 334 ePc 50 39.20 1.2
 1.5s 724.32nm 6.4mb
 Z 18s 3.81um 5.2Msz
 RSO 34.52 330 P 50 45.70 1.0
 GMTN 35.07 66 iP 50 48.40 -1.0
 PNJ 35.09 66 iP 50 49.00 -0.5
 INK 35.22 350 iPc 50 50.30 -0.1
 1.4s 438.00nm 6.1mb
 COL 35.57 339 iPc 50 53.60 0.2
 ePd 50 56.91 11kmX
 eS 56 32.59
 FBA 35.57 339 eP 50 53.70 0.3
 1.5s 540.54nm 6.2mb

SDN 36.02 319 eP 50 57.50 0.2
 1.2s 242.42nm 5.9mb
 SVW 36.05 330 P 50 58.40 0.8
 1.5s 432.43nm 6.1mb
 HRV 36.94 63 iPc 51 05.18 0.0
 ePd 51 08.74 12kmX
 ePPP 52 27.09
 ePcP 53 21.44
 eS 56 53.91
 i 57 26.52
 TTA 37.17 332 eP 51 07.00 0.0
 IMA 38.18 337 ePd 51 16.10 0.6
 1.8s 578.70nm 6.0mb
 SCH 40.78 44 ePc 51 34.80 -2.3
 1.5s 244.00nm 5.7mb
 ANM 41.61 331 P 51 44.40 0.7
 MBC 42.07 360 ePc 51 48.50 1.2
 1.5s 852.00nm 6.3mb
 FRB 42.15 30 eP 51 48.00 -0.1
 0.8s 250.00nm 6.0mb
 BRW 42.37 343 eP 51 50.00 0.1
 ADK 45.04 312 ePc 52 11.00 -0.8
 1.2s 333.33nm 6.1mb
 GDH 49.40 25 iPc 52 46.09 0.4
 ePd 52 49.56 12kmX
 ePP 54 40.96
 PSO 50.24 122 eP 52 53.00 -0.3
 BOG 50.26 116 eP 52 54.00 0.7
 eS 00 10.00
 SMY 50.63 313 eP 52 54.80 -0.5
 Z 18s 1.90um 5.2Msz
 TPT 56.51 215 iP 53 39.60 0.6
 1.2s 60.00nm 5.5mb
 RUV 56.57 215 iP 53 40.20 0.7
 1.2s 130.00nm 5.8mb
 PMO 56.65 215 iP 53 41.00 0.9
 1.2s 95.00nm 5.7mb
 VAH 56.73 215 iP 53 41.40 0.7
 1.2s 95.00nm 5.7mb
 DAG 59.02 15 iPd 53 54.60 -1.5
 1.1s 70.89nm 5.7mb
 PPN 59.57 215 eP 54 01.00 0.5
 1.2s 60.00nm 5.6mb
 PPT 59.67 215 eP 54 02.00 0.8
 1.2s 160.00nm 6.0mb
 AFR 59.74 216 eP 54 03.00 1.3
 1.2s 135.00nm 6.0mb
 PAE 59.75 215 eP 54 03.00 1.2
 1.2s 170.00nm 6.1mb
 PT10 60.35 132 e(P) 54 05.00 -1.0
 NNA 60.36 132 iPc 54 04.70 -1.4
 1.1s 162.03nm 6.1mb
 Z 20s 1.06um 5.0Msz
 AKU 63.18 27 iP 54 24.30 -0.1
 1.0s 28.00nm 5.4mb
 KBS 63.45 10 iPc 54 26.50 0.5
 ZOBO 69.11 128 iPc 55 02.00 -1.6
 1.5s 102.15nm 5.8mb
 Z 20s 0.61um 4.8Msz
 S 04 12.00
 LR 18 00.00
 LPB 69.32 128 Pc 55 04.00 -0.7
 Z 20s 1.42um 5.2Msz
 LR 19 20.00
 YAK 69.76 332 iPc+ 55 04.90 -1.3
 ePcP 55 27.00
 ePPP 57 48.00
 eS 59 41.20
 ePS 04 35.00
 eScS 05 04.00

TRO 71.75 15 iP 55 17.50 -0.7
 KUSJ 72.27 310 eP 55 18.70 -3.0
 ASAJ 73.04 312 eP 55 24.10 -2.1
 KEV 73.19 12 iP 55 25.10 -1.6
 1.0s 86.00nm 5.8mb
 SIV 73.67 123 Pc 55 28.00 -2.2
 DMU 74.02 35 iPc 55 30.70 -1.0
 0.6s 60.00nm 5.8mb X
 DMU 74.02 35 iPc 55 34.70 3.0
 1.0s 186.00nm 6.1mb
 DCN 74.17 36 iPc 55 31.50 -1.1
 DCN 74.17 36 iPc 55 35.40 2.0
 DLF 74.56 35 iPc 55 33.90 -1.0
 0.8s 71.00nm 5.7mb X
 DLF 74.56 35 iPc 55 37.90 3.0
 1.1s 210.00nm 6.1mb
 EKA 74.87 32 Pc 55 35.40 -1.2

		0.6s		57.00nm			5.9mb
				ic	58	42.00	
				e	59	56.00	
				id	00	00.00	
PRU		86.19	28	P	56	36.50	-0.4
		1.9s		90.90nm			5.6mb
	Z	15s		2.90um			5.8MszX
	N	15s		1.30um			
	E	15s		2.80um			
				e	56	40.70	
				e	57	19.60	
				PP	59	56.00	
				eS	07	18.00	
LPG		86.20	35	eP	56	37.40	-0.1
		1.4s		52.30nm			5.5mb
EROO		86.22	42	eP	56	38.00	0.7
IRK		86.23	336	eP+	56	36.00	-1.1
				e	56	40.00	
				e	57	02.10	
				e	59	27.00	
AFC		86.32	47	eP	56	38.00	0.0
NKM		86.34	49	eP	56	41.00	3.1
PERF		86.41	40	P	56	41.71	3.5
LSD		86.42	35	P	56	38.54	0.0
AVE		86.43	52	eP	56	33.00	-5.4
				i	56	38.50	
KHC		86.47	29	iPc	56	37.00	-1.4
		1.5s		22.30nm			5.1mb
	Z	16s		4.00um			5.9MszX
	N	16s		1.80um			
	E	16s		3.30um			
				i	56	42.50	
				PP	59	55.00	
EHUE		86.52	46	eP	56	33.00	-5.9
RRL		86.64	36	P	56	39.26	-0.3
RSP		86.70	35	P	56	39.46	-0.2
BHB		86.93	36	P	56	40.08	-0.6
PZZ		87.10	36	P	56	41.31	-0.3
WTTA		87.11	32	eP	56	41.00	-0.7
		1.6s		57.30nm			5.6mb
				i	56	43.40	
OGA		87.14	32	eP	56	41.80	-0.1
STV		87.40	36	P	56	40.79	-2.2
ENR		87.46	36	P	56	41.31	-2.0
ROB		87.62	36	P	56	41.00	-3.1
PCP		87.76	35	P	56	41.00	-3.7
IFR		87.76	50	iPd	56	44.80	-0.3
FIN		87.85	35	P	56	41.62	-3.5
IMI		87.92	36	P	56	42.13	-3.4
TIO		88.02	54	iP	56	45.00	-1.3
KRA		88.16	26	ePc	56	45.80	-0.7
				e	56	50.20	
GUMO		88.23	285	eP	56	48.80	1.5
		1.1s		188.46nm			.6.3mb
PJG		88.23	285	eP	56	49.20	1.9
VAO		88.26	119	(P)	56	47.00	-0.4
OBN		88.36	14	iPc	56	46.70	-0.6
	Z	16s		2.50um			5.7MszX
	N	16s		1.80um			
				e	57	20.00	
				eS	07	33.00	
ZST		88.63	28	eP	56	48.30	-0.5
				e	00	15.70	
HNR		88.75	258	P	56	49.00	-0.8
SPC		89.00	26	eP	56	50.00	-0.8
				e	00	05.30	
SRO		89.41	28	iP	56	52.90	0.4
				i	00	22.40	
PSZ		89.92	27	eP	56	54.00	-1.0
PTJ		90.02	30	eP	56	53.80	-1.7
BJI		90.75	321	ePc	56	57.23	-1.6
		2.0s		115.00nm			5.8mb
	Z	18s		0.94um			5.3Msz
				ePd	57	00	

TPC	1.62	95	ePc	01	23.70	-0.6
BCH	1.96	299	eP	01	28.50	-0.9
BLP	2.02	280	eP	01	29.00	-1.1
PKEM	2.51	317	eP	01	36.20	-0.9
PRI	2.89	312	ePc	01	42.42	-0.3
GLA	2.90	113	eP	01	40.50	-2.2

28d 17h

FRI 3.07 333 iPc 01 45.04 0.0
iPg 01 48.50
eS 02 29.93
LLA 3.37 315 eP 01 48.13 -1.3
PRS 3.46 308 eP 01 48.16 -2.4
BONR 3.71 356 eP 01 54.80 0.4
SAO 3.77 313 eP 01 53.41 -1.7
TNP 3.87 9 eP 01 56.60 -0.1
ARN 4.23 318 eP 01 59.50 -2.0
CMB 4.25 334 iPc 02 01.49 -0.3
GCC 4.28 312 eP 02 00.71 -1.6
BKS 4.99 318 iPd 02 10.20 -2.1
BRK 5.00 317 eP 02 10.50 -2.0
MSU 6.33 46 iP 02 31.60 0.1
ALQ 9.53 83 e(P) 03 14.50 -1.6
ANMO 9.53 83 eP 03 14.80 -1.3
PNT 15.10 356 eP 04 37.00 6.4
0.6s 4.00nm 4.0mb
MEO 16.01 83 iPc 04 42.20 -0.2
SES 16.92 15 eP 04 57.00 3.1
TUL 18.24 78 ePc 05 10.80 0.3
1.2s 26.40nm 4.3mb
FFC 23.34 24 eP 06 04.00 -0.6
1.0s 12.00nm 4.4mb
INK 35.24 350 eP 07 52.00 0.2
MBC 42.09 360 eP 08 50.00 1.2
1.0s 6.00nm 4.3mb
42 abs. associated

* JUN 28, 1991 17h 58m 46.63±3.68s
49.137 N ±25.9km 6.897 E ±12.0km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
MD 1.9 (STR).
GWF 0.50 108 Pg 58 56.52 -0.3
CDF 0.77 161 Pg 59 01.04 -0.6
WLS 0.79 157 Pg 59 01.35 -0.6
Sg 59 15.46
ECH 0.94 169 Pg 59 04.80 0.3
Sg 59 19.36
VITF 1.10 214 Pg 59 06.95 -0.3
MOF 1.30 173 Pg 59 11.16 0.5
FEL 1.46 149 Pg 59 14.36 1.2
S.D. = 0.8 on 7 of 7 obs.

JUN 28, 1991 18h 34m 51.92±0.99s
38.276 N ± 6.2km 81.668 W ± 8.6km
DEPTH = 5.0km (geophysicist)
WEST VIRGINIA (491)
mbLg 3.2 (BLA). Felt at
Charleston.

HWV 0.95 136 P 35 09.90 -0.5
PWV 1.06 152 P 35 13.00 0.6
NAV 1.18 144 P 35 14.20 -0.3
WMV 1.29 154 P 35 16.50 0.1
VWV 1.29 128 P 35 15.30 -1.1
BLA 1.45 137 P 35 18.30 -0.6
CVL 2.55 96 eP 35 35.00 0.4
FRV 2.83 111 P 35 40.20 1.5
NA2 3.09 92 eP 35 42.00 -0.3
TKL 3.11 213 eP 35 41.50 -1.1
CLE 3.21 2 iP 35 52.00 8.0X
LHS 3.85 169 eP 35 54.00 0.9
JSC 4.00 175 eP 35 56.00 0.8
WVLY 4.81 28 ePc 36 07.50 0.7
LVNJ 5.90 62 eP 36 21.00 -1.2
S.D. = 0.9 on 14 of 15 obs.

* JUN 28, 1991 18h 52m 58.10s
34.250 N 118.010 W
DEPTH = 11.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.2 (PAS).

MWC 0.05 237 iPc 53 00.40 -0.2
SBB 0.46 19 iPd 53 06.90 -0.7
PEC 0.79 117 iPc 53 12.40 -1.0
CIS 0.90 201 eP 53 14.90 -0.4
ABL 1.17 301 eP 53 19.00 -0.9
PLM 1.31 133 iPc 53 21.50 -0.8
GSC 1.44 43 ePd 53 24.60
CLC 1.60 12 iPd 53 26.40
BCH 1.95 299 eP 53 31.40
BLP 2.00 280 eP 53 30.90 -0.3
BONR 3.71 356 e(P) 53 55.00 -1.8

11 obs. associated
% JUN 28, 1991 18h 53m 31.55±0.85s
43.091 N ±10.1km 0.345 W ± 6.3km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
MD 1.0 (STR).
JAU 0.06 198 Pg 53 33.64 -0.3
Sg 53 35.15
BTH 0.11 72 iPc 53 34.50 0.1
iSg 53 35.80
i 53 38.50
OGE 0.12 310 Pg 53 34.39 -0.2
Sg 53 36.51
ESCF 0.17 266 Pg 53 34.85 -0.6
ATE 0.26 269 Pg 53 37.25 0.1
Sg 53 40.31
ISSF 0.34 259 Pg 53 39.18 0.6
Sg 53 43.15
S.D. = 0.5 on 6 of 6 obs.
& JUN 28, 1991 19h 41m 04.44s
59.848 N 152.663 W
DEPTH = 84.4km
SOUTHERN ALASKA (2)
<AEIC>.

HOM 0.55 110 eP 41 18.88 -0.3
eS 41 30.44
AUE 0.61 217 eP 41 19.03 -0.7
RSO 0.62 356 eP 41 19.55 -0.6
RS2 0.62 356 eP 41 19.63 -0.5
XLV 0.62 129 iP 41 19.04 -0.8
eS 41 31.32
AUH 0.63 220 iP 41 19.56 -0.5
RDW 0.64 354 eP 41 19.46 -0.8
eS 41 32.16
REF 0.64 358 eP 41 19.71 -0.6
eS 41 31.56
AUI 0.64 217 eP 41 19.48 -0.6
eS 41 30.67
RDN 0.67 356 iP 41 20.03 -0.5
NNL 0.71 74 iP 41 21.15 0.3
NCT 0.73 350 eP 41 20.42 -0.7
eS 41 32.65
RDT 0.74 10 iP 41 20.16 -1.0
eS 41 32.70
DFR 0.75 359 iP 41 20.56 -0.7
eS 41 33.12
PDB 0.78 266 iP 41 20.61 -0.8
iS 41 33.20
CNPM 0.79 113 iP 41 20.95 -0.7
eS 41 33.96
BRK 0.90 95 eP 41 22.01 -0.9
eS 41 35.97
CDD 1.05 209 iP 41 23.60 -1.0
eS 41 38.21
MCNL 1.08 233 eP 41 23.90 -1.1
NKA 1.14 38 iP 41 26.74 1.0
SYI 1.25 173 iP 41 26.70 -0.4
eS 41 44.11
CKL 1.36 7 iP 41 27.89 -0.8
eS 41 45.93
SPU 1.37 12 iP 41 27.99 -0.7
eS 41 46.09
SLKM 1.39 60 eP 41 28.26 -0.7
BGL 1.43 5 eP 41 28.82 -0.7
CRP 1.45 10 eP 41 29.19 -0.6
CGLM 1.50 12 iP 41 29.77 -0.7
NCG 1.58 9 iP 41 30.89 -0.6
SEW 1.64 80 eP 41 31.49 -0.6
S 41 50.84
SUA 1.88 29 eP 41 34.99 -0.5
eS 41 59.73
SVW 1.94 312 iP 41 34.72 -1.5
PMS 2.08 46 eP 41 37.35 -0.7
SKT 2.21 14 eP 41 38.74 -1.1
S 42 05.78
PWA 2.27 36 eP 41 40.00 -0.6
LTI 2.43 83 eP 41 41.16 -1.7
PLRM 2.46 43 eP 41 41.54 -1.8
KNIM 2.52 76 eP 41 41.40 -2.7
eS 42 09.72
MTU 2.53 85 eP 41 42.96 -1.3
KNK 2.60 51 eP 41 43.15 -2.1
GHO 2.66 42 eP 41 44.41 -1.7

CUT 2.82 23 eP 41 47.09 -1.0
SML 2.89 45 eP 41 47.39 -1.9
GLI 2.95 67 eP 41 46.56 -3.5
VZW 3.26 65 eP 41 51.50 -2.9
SCM 3.28 50 eP 41 52.81 -1.9
VLZ 3.39 65 eP 41 53.28 -2.7
S 42 30.63
KLU 3.71 61 iP 41 57.87 -2.7
TRF 3.79 16 eP 41 59.92 -1.9
TOA 3.89 52 eP 42 00.99 -2.1
RND 4.01 25 eP 42 01.46 -3.3
GLB 4.64 66 eP 42 10.12 -3.5
eS 42 59.61
BALM 5.25 72 eP 42 19.96 -2.1
CCB 5.32 23 eP 42 20.47 -2.5
MDM 5.53 20 eP 42 23.56 -2.3
FBA 5.55 22 eP 42 24.15 -2.0
PNL 6.71 86 eP 42 38.87 -3.3

56 obs. associated
& JUN 28, 1991 20h 37m 12.90s
37.632 N 118.942 W
DEPTH = 9.0km
CALIFORNIA-NEVADA BORDER REGION (40)
<BRK>. ML 3.5 (BRK). Small
precursor about 4.0 seconds
prior to the main event.

BONR 0.60 57 iP 37 20.00 -5.1
FRI 0.88 224 iP 37 28.96 -1.0
eS 37 40.78
CMB 1.21 290 iPd 37 34.82 -0.8
eS 37 51.96
CMB 1.21 290 eP 37 30.50 -5.1
KVN 1.56 25 P 37 37.70 -3.4
PKEM 1.83 211 eP 37 42.00 -2.7
LLA 1.89 238 ePc 37 46.47 0.8
eS 38 12.40
PRI 2.03 223 ePc 37 49.27 1.5
ARN 2.08 263 eP 37 46.00 -2.4
PHAM 2.14 214 eP 37 46.00 -3.3
SAO 2.18 247 eP 37 48.03 -1.8
PRS 2.34 237 ePc 37 53.12 1.0
BCH 2.61 201 eP 37 52.50 -3.6
BKS 2.62 276 iPc 37 56.90 0.8
eS 38 29.70
ZSP 2.64 278 ePc 37 57.88 1.4
ORV 2.78 315 ePd 38 00.98 2.6
ORV 2.78 315 e(P) 37 52.00 -6.4
PEC 4.00 158 e(P) 38 11.50 -4.3
PLM 4.59 158 eP 38 24.50 0.2
19 obs. associated

JUN 28, 1991 22h 48m 14.88±0.80s
38.213 N ± 7.3km 22.063 E ± 7.9km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 2.8 (ATH).

VLS 1.16 269 ePn 48 36.00 -0.6
ATH 1.33 100 ePn 48 40.00 0.7
VLI 1.65 155 ePn 48 44.00 0.1
IGT 1.89 315 ePd 48 54.50 7.1X
LIT 1.91 10 ePc 48 47.00 -0.9
KZN 2.10 354 ePn 48 51.00 0.4
PAIG 2.12 36 ePc 48 48.96 -1.9
KNT 3.02 12 ePc 49 03.76 0.2
OHR 3.06 342 ePn 49 05.00 0.9
VAY 3.13 7 ePn 49 06.30 1.2
S.D. = 1.1 on 9 of 10 obs.

JUN 28, 1991 23h 01m 28.67±0.64s
41.130 N ± 5.8km 142.936 E ± 9.7km
DEPTH = 51.4 ± 6.7 km
4.8mb (5 obs.)
HOKKAIDO, JAPAN REGION (224)

HOOJ 1.28 12 iPd 01 50.60 0.1
eS 02 07.10
MRRJ 1.90 313 P 01 58.90 -0.3
eS 02 22.80
AOMJ 2.03 255 eP 02 00.90 -0.1
eS 02 26.20
OFUJ 2.27 206 eP 02 03.90 -0.5
KUSJ 2.37 33 iPd 02 05.00 -0.8
eS 02 32.40
ASAJ 2.99 356 eP 02 15.50 0.7

AMJ	3.70	218	eP	02	25.30	0.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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29d 00h

EZN 5.08 58 eP 46 30.00 1.3
 IZM 5.30 76 eP 46 32.00 0.2
 SGO 5.36 310 P 46 32.70 0.1
 GIB 5.37 280 P 46 32.50 -0.4
 RDO 5.39 42 ePn 46 31.60 -1.4
 DUI 6.55 314 P 46 50.00 0.7
 RFI 6.61 310 P 46 50.04 0.0
 SDI 6.95 312 Pd 46 53.70 -1.2
 GZR 8.27 10 eP 47 36.00 22.9X
 ASS 8.48 316 P 47 15.10 -0.8
 ARV 8.61 319 P 47 17.20 -0.6
 CMP 8.64 21 ePc 47 17.00 -1.1
 MLR 9.11 24 ePc 47 24.00 -0.7
 VBY 9.21 335 e(Pn) 47 24.80 -1.1
 e(Sn) 49 11.70
 PTJ 9.35 339 eP 47 23.50 -4.4X
 CVO 9.48 24 ePc 47 33.50 3.8X
 VOY 10.15 332 e(Pn) 47 38.00 -0.8
 KHC 12.96 339 P 48 36.00 19.6X
 e 53 00.00
 PRU 13.49 343 eP 48 33.50 10.2X
 e 48 36.00
 BRG 14.45 343 eP 48 44.60 8.7X
 BSF 14.72 320 eP 48 46.30 6.8X
 0.6s 7.20nm 4.2mb
 CDF 14.87 323 eP 48 48.40 7.0X
 0.8s 9.40nm 4.1mb
 MOX 14.89 337 e(P) 48 49.50 7.9X
 HAU 15.06 320 eP 48 50.30 6.5X
 0.8s 10.75nm 4.1mb
 Z 20s 0.08um 5.0msz
 CLL 15.09 341 iP 48 50.70 6.6X
 1.5s 20.00nm 4.1mb
 LBF 15.75 313 eP 48 54.80 2.1
 0.8s 4.05nm 3.6mb
 LOR 15.97 314 eP 48 57.80 2.3
 0.6s 1.80nm 3.4mb
 Z 20s 0.05um 4.2msz
 SSF 16.07 313 eP 48 59.00 2.4
 0.8s 2.70nm 3.4mb
 MEM 17.00 326 Pc 49 16.40 8.1X
 BTH 17.02 297 ePc 48 55.00 -13.7X
 DOU 17.30 323 P 49 16.40 4.4X
 MFF 18.08 308 eP 49 21.90 0.2
 0.8s 4.05nm 3.6mb
 LDF 18.95 313 eP 49 31.30 -0.9
 0.8s 5.35nm 3.8mb
 LPF 19.23 311 eP 49 33.90 -1.5
 0.8s 5.35nm 3.8mb
 FLN 19.24 313 eP 49 36.50 1.1
 0.8s 8.05nm 4.0mb
 OBN 20.87 26 eP 49 51.00 -1.3
 0.8s *****nm 7.7mb X
 e 50 27.00
 e 50 42.00
 HFS 23.34 351 eP 50 16.70 0.1
 0.5s 4.60nm 4.2mb
 Z 17s 0.03um 2.8mszX
 LR 58 42.00
 NUR 23.41 5 eP 50 21.00 3.7X
 EKA 24.28 326 Pc 50 27.30 1.5
 0.8s 5.70nm 4.1mb
 NB2 24.55 349 P 50 29.20 0.7
 0.8s 5.40nm 4.1mb
 SOD 30.35 5 eP 51 22.00 0.9
 GKN 53.71 80 P 54 31.00 -0.6
 DMN 54.26 80 P 54 35.20 -0.6
 PKN 54.31 80 P 54 34.80 -1.3
 PKI 54.52 80 P 54 37.00 -0.8
 GUN 54.73 80 P 54 39.00 -0.4
 S.D. = 1.1 on 62 of 80 obs.
 * JUN 29, 1991 01h 41m 04.73±3.18s
 17.286 N ±26.3km 61.820 W ±12.0km
 DEPTH = 17.4 ± 11.0 km
 LEEWARD ISLANDS (92)
 ML 3.1 (FDF).
 BPA 0.24 188 eP 41 09.60 -0.8
 S 41 19.90
 MGH 0.68 214 eP 41 18.84 1.1
 NEV 0.73 258 eP 41 18.48 -0.2
 S 41 32.30
 SEG 0.93 161 eP 41 21.90 -0.1
 S 41 37.70
 DEG 1.21 143 eP 41 27.60 0.8
 S 41 47.70

PAG 1.26 174 eP 41 27.00 -0.5
 S 41 46.10
 MGG 1.44 160 eP 41 29.52 -0.5
 BBL 1.78 169 eP 41 35.20 0.2
 S.D. = 0.9 on 8 of 8 obs.
 & JUN 29, 1991 02h 09m 01.30s
 31.790 N 115.860 W
 DEPTH = 6.0km (geophysicist)
 BAJA CALIFORNIA (48)
 <PAS-> ML 3.6 (PAS).
 IKP 0.88 346 eP 09 17.70 -1.0
 BAR 1.12 322 iPc 09 21.90 -0.8
 eS 09 35.60
 CPE 1.51 316 eP 09 28.50 -0.4
 GLA 1.53 34 eP 09 27.70 -1.6
 PLM 1.77 332 eP 09 32.80 -0.1
 PEC 2.36 333 eP 09 41.90 0.6
 6 obs. associated
 ? JUN 29, 1991 03h 01m 47.84±3.50s
 51.243 N ±30.1km 15.932 E ±19.8km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)
 KSP 0.46 150 iP 01 57.00 -0.2
 0.3s 32.00nm
 iS 02 05.00
 BRG 1.31 254 iPg 02 11.40 -0.6
 iSg 02 30.50
 PRU 1.54 216 ePn 02 15.80 0.5
 Pg 02 17.50
 e 02 19.00
 Sn 02 34.00
 Sg 02 39.00
 CLL 1.84 273 ePg 02 20.00 0.3
 iSg 02 45.60
 KHC 2.60 216 ePn 02 38.50 7.8X
 Pg 02 42.50
 e 03 05.00
 eSn 03 15.00
 Sg 03 20.00
 MOX 2.79 259 ePg 02 39.00 5.6X
 iSg 03 17.00
 S.D. = 0.9 on 4 of 6 obs.
 JUN 29, 1991 03h 44m 15.45±0.32s
 0.393 S ± 6.4km 132.239 E ± 7.3km
 DEPTH = 33.0km (normal)
 5.2mb (20 obs.) 4.3msz (2 obs.)
 WEST IRIAN REGION (196)
 DAV 9.97 318 eP 46 35.20 -4.4X
 MTN 12.42 185 eP 47 09.00 -3.9X
 TSM 14.88 288 ePc 47 47.20 1.9
 KNA 15.64 192 eP 47 51.40 -3.7X
 0.6s 246.00nm 5.6mb X
 eS 50 40.00
 KKM 17.23 292 ePd 48 16.00 0.6
 1.0s 112.20nm 4.9mb
 PMG 17.34 122 eP 48 17.00 0.3
 BAG 20.28 326 eP 48 50.80 -0.6
 eS 52 36.00
 CVP 20.70 331 eP 48 55.50 -0.1
 TRT 20.85 249 ePc 48 57.80 0.7
 1.0s 138.50nm 5.3mb
 QIS 21.30 161 iPd 49 00.00 -1.7
 0.6s 37.00nm 5.0mb
 i 52 58.20
 CTAO 23.90 146 iPd 49 28.00 0.7
 1.0s 35.00nm 4.8mb
 i 49 41.00
 WARB 26.20 191 eP 49 50.00 0.9
 0.6s 30.00nm 5.1mb
 NANU 27.39 215 eP 49 59.00 -0.9
 QLP 28.49 157 ePd 50 08.00 -1.9
 KGM 29.01 275 ePd 50 15.90 1.1
 RMO 30.43 150 eP 50 28.00 0.7
 FORR 30.54 187 eP 50 30.50 2.3X
 IPM 31.57 279 ePc 50 45.10 7.6X
 0.8s 175.60nm 6.0mb
 STK 32.54 165 eP 50 44.50 -1.2
 0.6s 7.60nm 4.8mb
 MRWA 32.59 207 eP 50 46.30 0.1
 SSE 33.03 342 eP 51 10.00 20.1X
 Z 20s 0.60um 4.3msz

E 12s 0.50um
 S 56 05.00
 eSS 58 04.00
 BRS 33.31 145 eP 50 52.00 -0.5
 e 02 18.00
 ADE 34.92 171 eP 51 06.50 0.2
 0.8s 50.75nm 5.5mb
 KHT 36.53 296 eP 51 21.00 0.8
 CHTO 37.86 302 eP 51 31.10 -0.2
 0.9s 8.10nm 4.6mb
 KMI 38.18 314 eP 51 33.50 -0.7
 Z 16s 0.40um 4.3mszX
 eS 57 32.00
 BJI 42.83 342 eP 52 11.00 -1.0
 1.5s 8.00nm 4.2mb
 Z 20s 0.36um 4.3msz
 eS 58 28.00
 LZH 44.88 327 eP 52 29.50 0.5
 1.6s 73.00nm 5.3mb
 Z 25s 0.39um 4.2mszX
 E 12s 0.31um
 i 52 32.00
 i 52 43.00
 eS 59 05.00
 GUN 52.59 306 P 53 27.62 -1.3
 0.9s 44.00nm 5.4mb
 PKI 52.83 306 P 53 29.12 -1.6
 1.2s 37.00nm 5.2mb
 KKN 53.02 306 P 53 30.34 -1.7
 0.9s 40.00nm 5.4mb
 DMN 53.09 306 P 53 31.26 -1.3
 1.0s 35.00nm 5.3mb
 GKN 53.63 306 P 53 34.80 -1.6
 1.1s 61.00nm 5.5mb
 KOD 55.49 283 eP 53 48.50 -1.9
 HYB 55.71 291 iPd 53 50.00 -1.6
 1.0s 50.00nm 5.5mb
 GBA 56.03 287 Pd 53 52.10 -1.7
 1.0s 26.00nm 5.2mb
 IRK 57.48 340 eP 54 05.00 1.3
 e 54 27.00
 POO 60.32 292 eP 54 26.00 2.1
 YAK 62.28 359 eP 54 34.70 -1.6
 e 02 58.00
 MAIO 76.37 307 iPc 56 04.00 0.4
 SVW 81.78 28 eP 56 33.30 1.0
 MAW 81.88 201 iPd 56 34.20 1.6
 0.8s 14.00nm 5.0mb
 IR4 83.14 305 ePc 56 41.00 1.0
 IR1 83.33 306 ePc 56 42.00 1.0
 IR5 83.40 305 eP 56 42.70 1.3
 IR7 83.42 306 ePc 56 42.50 1.1
 SLKM 84.21 29 eP 56 44.10 -0.7
 PMR 84.93 28 eP 56 48.60 0.3
 FBA 86.09 25 eP 56 54.30 0.3
 0.8s 6.21nm 4.9mb
 TAB 87.01 308 eP 57 04.00 4.7X
 BALM 88.11 29 eP 57 04.10 0.1
 INK 91.94 22 eP 57 08.00 -13.6X
 MBC 94.71 13 eP 57 35.00 0.7
 UPA 147.23 74 ePKP 03 57.00 1.3
 NNA 148.62 114 ePKP 04 02.90 4.9X
 0.8s 9.70nm
 ZOBO 153.96 130 PKP 04 08.00 1.5
 1.1s 20.88nm
 i 04 30.00
 S.D. = 1.2 on 47 of 56 obs.
 * JUN 29, 1991 04h 05m 06.85±0.88s
 37.362 N ±21.2km 71.512 E ±23.6km
 DEPTH = 33.0km (normal)
 4.6mb (6 obs.)
 AFGHANISTAN-USSR BORDER REGION (717)
 NDI 9.89 149 iPc 07 30.50 0.7
 0.5s 24.65nm 5.7mb X
 iS 09 13.00
 GKN 14.45 126 P 08 31.24 0.1
 0.3s 28.00nm 5.3mb
 KKN 15.01 126 P 08 38.44 0.0
 0.5s 22.00nm 4.7mb
 DMN 15.02 126 P 08 38.88 0.2
 PKI 15.24 126 P 08 40.20 -1.4
 GUN 15.32 124 P 08 41.42 -1.3
 SHL 20.93 118 eP 09 51.00 1.7
 eS 13 34.00
 HFS 42.65 321 eP 13 00.80 -0.7

0.4s 3.10nm 4.4mb
 NB2 43.94 322 P 13 11.90 -0.2
 0.7s 5.00nm 4.4mb
 MBC 66.46 3 ePd 15 55.50 1.0
 0.6s 5.00nm 4.8mb
 YKA 80.37 3 eP 17 15.60 -0.2
 0.4s 1.50nm 4.3mb
 S.D. = 1.0 on 11 of 11 obs.

? JUN 29, 1991 05h 18m 52.02±1.33s
 15.065 N ± 9.7km 120.079 E ± 25.5km
 DEPTH = 10.0km (geophysicist)
 4.2mb (1 obs.)

LUZON, PHILIPPINE ISLANDS (249)

PGP 1.77 151 iPd 19 23.00 0.1
 iS 19 35.00
 SZP 2.50 8 ePd 19 39.00 5.7X
 eS 20 08.50
 CVP 3.11 32 eP 19 41.70 -0.3
 eS 20 20.00
 PIP 3.28 9 iPd 19 45.00 0.5
 iS 20 27.50
 NB2 85.78 332 P 31 32.40 -0.3
 0.8s 1.50nm 4.2mb
 S.D. = 0.7 on 4 of 5 obs.

? JUN 29, 1991 05h 58m 48.39±0.97s
 41.871 N ± 11.0km 13.092 E ± 6.8km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN ITALY (390)

RMP 0.30 258 P 58 54.50 -0.1
 eSg 58 58.10
 RDP 0.30 248 P 58 54.80 0.1
 eSg 59 00.00
 SDI 0.57 107 P 58 59.90 0.0
 eSg 59 09.10
 MNS 0.60 329 P 59 00.50 0.0
 eSg 59 10.20
 S.D. = 0.1 on 4 of 4 obs.

? JUN 29, 1991 06h 33m 35.44±8.68s
 36.879 N ± 11.7km 46.868 E ± 127.7km
 DEPTH = 33.0km (normal)
 NORTHWESTERN IRAN (345)

TAB 1.26 340 eP 33 57.00 0.0
 IR7 3.24 110 eP 34 24.50 -0.8
 IR1 3.42 114 eP 34 29.00 1.1
 IR5 3.44 118 eP 34 27.00 -1.1
 IR4 3.65 115 eP 34 32.00 0.8
 S.D. = 1.4 on 5 of 5 obs.

? JUN 29, 1991 07h 54m 34.28±3.22s
 33.536 S ± 24.1km 70.802 W ± 12.4km
 DEPTH = 93.6 ± 37.0 km
 CHILE-ARGENTINA BORDER REGION (127)

PCH 0.25 110 iPc 54 48.00 -0.2
 iS 54 58.70
 LNV 0.66 230 iP 54 50.80 -0.1
 iS 55 02.90
 IMA 0.87 306 eP 54 53.30 0.3
 iS 55 08.30
 MDZ 1.76 69 i(P) 55 04.70 0.7
 RTCB 2.65 40 ePd 55 16.20 0.2
 S 55 47.90
 RTLL 2.95 43 ePd 55 19.40 -0.7
 S 55 54.60
 S.D. = 0.7 on 6 of 6 obs.

JUN 29, 1991 08h 12m 30.42±0.40s
 39.164 N ± 4.8km 20.518 E ± 3.2km
 DEPTH = 10.0km (geophysicist)
 3.7mb (2 obs.)

GREECE-ALBANIA BORDER REGION (392)

ML 3.8 (ATH).

IGT 0.39 339 iPc 12 38.09 -0.4
 iS 12 45.41
 KEK 0.78 315 ePb 12 45.50 -0.1
 VLS 0.99 177 ePb 12 50.80 1.6
 AGG 1.42 95 iPc 12 55.33 -0.9
 eS 13 19.32
 KZN 1.50 40 ePb 12 57.10 -0.3
 FNA 1.75 22 iPd 13 02.25 1.3

LIT 1.79 58 iPc 13 02.22 0.7
 eS 13 28.92
 OHR 1.96 6 iPn 13 05.90 1.9
 iSn 13 32.30
 Lg 14 06.50

LCI 2.30 301 P 13 09.30 0.4
 (Sn) 13 35.20

GRG 2.30 38 iPd 13 10.16 1.2
 iS 13 43.64
 iS 13 43.82

THE 2.39 51 ePc 13 11.00 0.9
 PAIG 2.56 72 ePc 13 12.33 -0.3
 eS 13 46.32

VAY 2.67 35 iPn 13 14.50 0.3
 KNT 2.70 42 ePc 13 15.01 0.3
 SOH 2.74 52 ePc 13 16.12 0.9
 eS 13 50.98

ATH 2.78 114 ePn 13 16.00 0.3
 SKO 2.89 14 ePn 13 17.80 0.5
 iPg 13 25.00
 iSn 13 52.00
 i 13 57.00
 iSg 14 02.50
 Lg 14 06.50

SRS 3.06 49 ePd 13 19.74 0.0
 eS 13 59.84

BRT 3.07 305 P 13 21.10 1.3
 ROI 3.09 279 P 13 31.10 11.0X
 VLI 3.10 141 ePb 13 24.00 3.7X
 TDS 3.28 280 P 13 24.70 1.9
 CSI 3.33 282 P 13 35.00 11.4X
 CZI 3.41 272 P 13 25.70 1.1
 eSn 14 01.00

BAI 3.41 306 P 13 24.00 -0.7
 MMN 3.58 283 P 13 31.80 4.8X
 eSn 14 15.20

SOI 3.66 254 P 13 28.80 0.5
 (Sn) 14 08.60

MGR 3.95 286 P 13 33.00 0.6
 ATN 4.08 257 P 13 34.20 0.0
 eSn 14 17.20

SGO 4.24 291 P 13 36.00 -0.5
 RDO 4.33 61 ePn 13 36.50 -1.2
 PRK 4.47 87 ePn 13 40.50 0.8
 ALN 4.58 66 ePc 13 40.04 -1.3
 MEU 4.86 247 P 13 43.60 -1.8
 HVAR 5.05 324 iPn 13 45.60 -2.3
 KGT 5.38 74 ePn 13 51.80 -0.9
 NPS 5.63 132 ePn 13 54.50 -1.7
 SDI 5.71 299 P 13 57.70 0.3
 GZR 6.45 14 eP 14 23.00 15.3X
 ARV 7.16 310 P 14 15.30 -2.4X
 VBY 7.44 330 ePn 14 19.00 -2.5
 eSn 15 41.00

MLR 7.49 31 ePc 14 22.50 0.1
 PTJ 7.53 335 eP 14 19.40 -3.5X
 VRI 8.12 32 iPc 14 22.50 -8.6X
 VOY 8.42 327 e(Pn) 14 32.10 -3.3X
 HFS 21.43 351 eP 17 16.10 -4.4X
 1.3s 27.20nm 4.5mb X
 EKA 22.63 323 Pd 17 30.80 -1.7
 0.6s 2.30nm 3.8mb
 NB2 22.65 348 P 17 29.80 -2.9X
 0.8s 1.60nm 3.6mb
 S.D. = 1.2 on 37 of 48 obs.

? JUN 29, 1991 08h 20m 05.54±1.63s
 39.023 N ± 10.0km 27.697 E ± 23.3km
 DEPTH = 33.0km (normal)

TURKEY (366)

IZM 0.71 209 iPg 20 19.20 0.0
 eSg 20 31.40
 EDC 1.33 5 ePn 20 27.50 -0.4
 EZN 1.33 307 ePn 20 27.70 -0.2
 KGT 1.46 348 ePn 20 30.40 0.6
 S.D. = 0.8 on 4 of 4 obs.

& JUN 29, 1991 08h 42m 29.00s
 38.035 N 119.155 W
 DEPTH = 9.0km
 CALIFORNIA-NEVADA BORDER REGION (40)
 <BRK>. ML 3.5 (BRK).

BONR 0.68 96 iP 42 41.40 -1.4
 CMB 0.97 270 iPc 42 46.61 -1.0

FRI 1.13 203 iS 42 59.58
 iPd 42 49.62 -0.6
 iS 43 04.21
 KVN 1.31 39 iP 42 52.70 -0.7
 TNP 1.53 88 ePd 42 55.60 -1.1
 0.6s 148.15nm

ARN 2.01 251 eP 43 04.00 0.5
 LLA 2.01 226 ePc 43 04.31 0.8
 MHC 2.09 251 iPd 43 05.60 0.8
 SAO 2.22 236 eP 43 07.39 0.8
 PRI 2.24 213 ePc 43 08.23 1.3
 ORV 2.38 310 ePd 43 10.60 1.8
 PHAM 2.41 205 eP 43 09.50 0.2
 BKS 2.44 267 eP 43 11.20 1.6
 e(S) 43 41.30

ZSP 2.45 269 eP 43 12.32 2.5
 BRK 2.46 267 iPd 43 10.80 0.9
 GCC 2.47 247 ePd 43 10.32 0.3
 PCC 2.61 259 ePd 43 12.86 0.8
 BCH 2.94 195 eP 43 16.80 -0.1
 MIN 2.99 321 eP 43 23.40 5.8
 ABL 3.18 181 eP 43 20.00 -0.3
 20 obs. associated

& JUN 29, 1991 09h 48m 10.40s
 36.900 N 121.340 W
 DEPTH = 4.0km
 CENTRAL CALIFORNIA (39)
 <BRK>. ML 2.6 (BRK).

SAO 0.16 212 iPd 48 14.11 0.4
 LLA 0.43 131 iPd 48 18.74 -0.2
 ARN 0.47 341 iPd 48 19.50 -0.4
 MHC 0.50 331 iPd 48 19.95 -0.5
 eS 48 28.50
 GCC 0.54 284 iPd 48 20.37 -0.9
 iS 48 27.02
 PRS 0.57 182 iPd 48 21.20 -0.6
 iS 48 30.34
 PRI 0.93 144 eP 48 28.52 -0.3
 iS 48 43.74
 PCC 1.02 306 iPc 48 29.13 -1.2
 iS 48 45.02
 BKS 1.21 324 iPd 48 32.60 -0.8
 BRK 1.22 323 eP 48 32.20 -1.4
 ZSP 1.27 325 eP 48 33.48 -1.1
 PHAM 1.31 144 e(P) 48 34.50 -0.6
 FRI 1.31 86 iPd 48 33.50 -1.7
 iS 48 50.70
 CMB 1.36 34 iPd 48 34.81 -1.4
 iS 48 52.18
 BCH 1.99 149 eP 48 42.20 -3.1
 BONR 2.64 66 eP 48 54.20 -0.6
 ORV 2.65 357 iP 48 53.56 -1.2
 TNP 3.48 69 e(P) 49 10.80 4.1
 WDC 3.79 346 eP 49 02.86 -8.0
 19 obs. associated

* JUN 29, 1991 09h 57m 48.80±1.23s
 36.649 N ± 11.6km 141.612 E ± 12.1km
 DEPTH = 10.0km (geophysicist)
 4.0mb (1 obs.)
 NEAR EAST COAST OF MONSHU, JAPAN(228)

KAKJ 1.24 250 iPd 58 11.00 -0.9
 S 58 24.00
 YAMJ 1.97 321 P 58 22.20 -0.4
 eS 58 45.10
 NIJJ 2.17 287 P 58 24.70 -0.8
 S 58 49.80
 CHJJ 2.20 255 iPd 58 24.70 -1.2
 S 58 47.60
 OFUJ 2.43 1 P 58 29.60 0.5
 MAT 2.74 269 iPd 58 33.30 -0.4
 eS 59 05.00
 MTMJ 3.06 270 P 58 37.90 -0.3
 IIDJ 3.22 250 P 58 41.20 0.8
 S 59 17.70
 AOMJ 4.02 346 eP 58 53.40 1.7
 TSRJ 4.69 258 P 59 02.10 0.8
 HOOJ 5.87 12 eP 59 18.00 0.1
 eS 00 23.30
 KUSJ 6.87 19 P 59 29.70 -2.2
 eS 00 44.20
 GUN 47.35 276 P 06 27.50 2.2
 PKI 47.88 276 P 06 30.38 1.0
 KKN 47.88 276 P 06 29.08 -0.2

29d 10h

DMN 48.10 276 P 06 30.16 -0.9
 GKN 48.31 277 P 06 28.32 -4.2X
 NB2 74.60 337 P 09 34.20 4.7X
 0.8s 1.40nm 4.0mb
 ZOBO 146.74 60 PKP 17 32.00 0.1
 LPB 146.94 61 ePKP 17 48.00 15.9X
 CNCB 147.21 61 PKP 17 35.80 3.1X
 SIV 151.21 50 PKP 17 43.50 5.3X
 S.D. = 1.2 on 17 of 22 obs.

* JUN 29, 1991 10h 00m 58.67±0.68s
 49.808 N ±14.1km 155.092 E ±14.8km
 DEPTH = 33.0km (normal)
 4.5mb (19 obs.)
 KURIL ISLANDS (221)

MAT 18.04 229 iPd 05 09.70 1.4
 0.5s 14.08nm 4.4mb
 FBA 32.96 41 iP 07 32.00 0.0
 1.0s 35.50nm 5.2mb
 INK 38.37 35 eP 08 19.00 1.2
 MBC 41.27 21 eP 08 43.00 1.3
 0.5s 2.00nm 4.1mb
 YKA 47.07 39 eP 09 33.50 0.0
 0.8s 3.40nm 4.4mb
 CHG 54.12 256 ePc 10 23.10 0.4
 0.9s 18.91nm 5.1mb
 FFC 57.56 42 iPc 10 46.60 -0.4
 0.5s 4.00nm 4.7mb
 NB2 65.75 342 P 11 39.70 -2.2
 0.8s 1.50nm 4.1mb
 GBA 71.78 270 Pd 12 19.60 -0.2
 0.6s 5.10nm 4.7mb
 ASPA 75.53 200 eP 12 39.70 -1.7
 1.4s 6.30nm 4.4mb
 CDF 78.31 339 eP 12 56.20 -0.5
 0.7s 3.30nm 4.5mb
 FLN 79.58 344 eP 13 03.20 -0.3
 0.6s 3.60nm 4.5mb
 LDF 79.68 344 eP 13 03.60 -0.4
 0.5s 2.90nm 4.5mb
 GRR 80.01 344 eP 13 05.70 -0.1
 0.7s 6.60nm 4.7mb
 LOR 80.15 341 eP 13 06.40 -0.2
 0.8s 3.35nm 4.4mb
 LPF 80.39 344 eP 13 08.00 0.2
 0.4s 2.30nm 4.5mb
 BGF 81.05 341 eP 13 11.40 0.1
 0.8s 4.05nm 4.5mb
 LPL 81.15 338 eP 13 12.70 0.5
 0.6s 3.60nm 4.6mb
 LPG 81.16 338 eP 13 13.00 0.7
 0.6s 3.60nm 4.6mb
 MAF 81.42 341 eP 13 13.60 0.3
 0.5s 1.45nm 4.2mb
 S.D. = 0.9 on 20 of 20 obs.

? JUN 29, 1991 10h 32m 43.79±2.72s
 45.089 N ±27.9km 2.897 E ±21.9km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 1.9 (LDG).

CAF 0.61 255 Pg 32 55.50 -0.7
 Sg 33 04.80
 RJF 1.00 283 Pn 33 02.90 0.2
 Sg 33 03.80
 Sg 33 17.30
 LPO 1.28 252 Pg 33 08.20 0.6
 Sg 33 25.50
 SMF 1.69 23 Pg 33 13.40 -0.1
 Sg 33 34.90
 S.D. = 0.9 on 4 of 4 obs.

JUN 29, 1991 10h 33m 52.71±0.46s
 45.069 N ±4.2km 3.008 E ±3.8km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 3.1 (LDG).

LBL 0.24 46 Pg 33 57.61 -0.1
 PYM 0.68 0 Pg 34 05.82 -0.5
 Sg 34 14.95
 CAF 0.68 258 Pg 34 06.00 -0.3
 AGO 0.99 5 Pg 34 11.73 0.3
 Sg 34 24.94
 PLDF 1.00 25 Pg 34 11.96 0.3

RJF 1.08 283 Pn 34 13.10 0.1
 Pg 34 14.00
 Sg 34 27.00
 MAF 1.19 345 Pn 34 15.60 0.6
 Sg 34 30.90
 TCF 1.34 336 Pn 34 17.10 -0.3
 Pg 34 18.50
 Sg 34 34.40
 LPO 1.35 254 Pg 34 18.90 1.4
 Sg 34 35.90
 BGF 1.49 356 Pn 34 19.10 -0.5
 Sg 34 39.40
 LSF 1.57 319 Pn 34 20.60 -0.1
 Pg 34 22.50
 Sg 34 40.20
 LFF 1.61 266 Pg 34 22.90 1.6
 Sg 34 43.40
 SMF 1.68 20 Pn 34 21.80 -0.5
 Pg 34 23.60
 Sg 34 45.10
 AVF 1.74 8 Pn 34 23.00 -0.1
 Pg 34 25.10
 Sg 34 46.80
 SSF 2.02 10 Pn 34 27.50 0.3
 Pg 34 31.40
 Sg 34 55.30
 LBF 2.03 19 Pn 34 27.40 0.0
 Pg 34 31.20
 Sg 34 55.60
 LOR 2.28 15 Pn 34 31.00 0.0
 Pg 34 35.60
 Sg 35 03.30
 LPG 2.68 79 Pn 34 37.90 1.0
 Sn 35 09.80
 Sg 35 21.00
 MFF 2.69 306 Pn 34 36.40 -0.3
 Pg 34 44.20
 Sg 35 16.20
 EPF 2.80 224 Pn 34 36.70 -1.7
 Pg 34 47.00
 Sn 35 08.20
 Sg 35 21.60
 LRG 2.90 123 Pn 34 39.40 -0.3
 Sn 35 11.00
 Sg 35 25.60
 FRF 3.02 119 Pg 34 49.60 8.2X
 Sn 35 16.00
 Sg 35 28.30
 LMR 3.06 123 Pg 34 50.60 8.7X
 Sn 35 17.70
 Sg 35 29.40
 LPF 4.07 318 Pn 34 55.70 -0.6
 S.D. = 0.7 on 22 of 24 obs.

& JUN 29, 1991 12h 56m 11.90s
 40.812 N 124.622 W
 DEPTH = 17.0km
 NEAR COAST OF NORTHERN CALIF. (35)
 <BRK>. ML 3.6 (BRK).

FHC 0.48 91 iPc 56 21.30 -0.3
 eS 56 28.01
 FOX 0.56 121 iPc 56 22.94 0.1
 iS 56 25.06
 WDC 1.60 98 eP 56 37.46 -2.1
 iPg 56 44.20
 LTCM 2.00 107 eP 56 43.30 -2.0
 LBFM 2.13 75 eP 56 46.20 -1.3
 MIN 2.34 100 eP 56 47.70 -2.7
 ORV 2.70 117 iP 56 52.82 -2.5
 SAO 4.74 147 eP 57 24.03 -0.3
 8 obs. associated

JUN 29, 1991 13h 02m 48.53±0.73s
 38.200 N ±5.9km 22.051 E ±7.8km
 DEPTH = 5.0km (geophysicist)
 GREECE (364)
 ML 3.0 (ATH).

AGG 0.85 15 ePd 03 03.64 -1.8
 eS 03 16.20
 VLS 1.15 269 ePg 03 10.20 -0.3
 ATH 1.33 99 ePb 03 13.60 0.0
 VLI 1.64 154 ePb 03 18.50 0.4
 IGT 1.89 315 ePd 03 27.24 5.5X
 eS 03 54.33
 LIT 1.93 10 ePd 03 24.08 1.8

KZN 2.11 354 ePn 03 25.00 -0.1
 PAIG 2.14 36 iPc 03 24.82 -0.5
 KEK 2.32 311 ePg 03 31.70 3.8X
 FNA 2.63 349 ePd 03 34.68 2.2X
 iS 04 09.62
 SOH 2.81 21 ePd 03 36.21 1.3
 KNT 3.03 12 ePc 03 39.08 1.1
 eS 04 14.36
 OHR 3.06 342 ePn 03 47.50 9.0X
 VAY 3.14 7 ePn 03 39.30 -0.3
 SRS 3.15 22 ePc 03 38.60 -1.1
 SKO 3.80 353 ePn 03 40.00 -9.0X
 NPS 4.10 135 ePn 03 52.80 -0.4
 S.D. = 1.1 on 12 of 17 obs.

* JUN 29, 1991 13h 13m 28.23±2.04s
 16.147 N ±22.9km 99.152 W ±9.9km
 DEPTH = 10.0km (geophysicist)
 4.6mb (1 obs.)
 NEAR COAST OF GUERRERO, MEXICO (58)

ACX 0.99 317 iP 13 46.44 -0.5
 iS 14 00.75
 ILL 2.24 352 iP 14 06.23 0.2
 iS 14 34.00
 VHO 2.50 68 (P) 14 09.50 -0.2
 (S) 14 36.00
 OXX 2.51 68 iP 14 10.51 0.6
 iS 14 43.24
 PPM 2.95 10 iP 14 17.00 0.6
 iS 14 53.50
 IIT 2.97 16 (P) 14 21.50 5.0X
 (S) 15 03.30
 IIA 3.02 9 (P) 14 21.93 5.0X
 (S) 15 03.18
 UNM 3.17 359 (P) 14 27.00 7.7X
 (S) 15 03.00
 TAC 3.24 359 (P) 14 17.00 -3.4X
 (S) 15 10.00
 IISM 3.29 31 (P) 14 30.14 9.3X
 ALQ 19.83 342 eP 18 01.00 -1.3
 LRM 31.61 342 eP 19 54.40 0.7
 PNT 37.04 338 eP 20 41.00 1.0
 INK 56.53 345 eP 23 17.00 4.2X
 MBC 61.04 355 eP 23 44.00 0.0
 1.0s 5.00nm 4.6mb
 S.D. = 0.8 on 9 of 15 obs.

JUN 29, 1991 14h 38m 23.76±0.73s
 48.241 N ±4.6km 7.635 E ±5.8km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.1 (LDG). MD 1.6 (STR).

WLS 0.25 313 Pg 38 29.22 0.0
 Sg 38 33.05
 CDF 0.29 306 Pg 38 29.90 -0.1
 ECH 0.32 266 Pg 38 30.36 -0.1
 Sg 38 34.66
 FEL 0.44 145 Pg 38 32.87 0.0
 MOF 0.52 221 Pg 38 34.26 0.0
 BSF 0.70 234 Pg 38 37.50 -0.1
 Sg 38 46.80
 GWF 0.74 359 Pg 38 38.24 0.0
 HAU 0.89 255 Pg 38 41.10 0.2
 Sg 38 53.30
 LOR 2.73 250 Pg 39 15.10 6.7X
 Sg 39 49.20
 LBF 2.78 244 Pg 39 16.40 7.3X
 Sg 39 51.00
 S.D. = 0.1 on 8 of 10 obs.

* JUN 29, 1991 16h 25m 11.50±0.78s
 38.200 N ±8.2km 22.055 E ±7.8km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 2.8 (ATH).

VLS 1.16 269 ePb 25 33.00 -0.1
 ATH 1.33 99 ePb 25 36.00 0.0
 VLI 1.64 154 ePb 25 40.50 0.1
 KZN 2.11 354 ePn 25 48.00 0.6
 KEK 2.32 311 ePg 25 58.50 8.2X
 VAY 3.14 7 ePn 26 01.40 -0.5
 SKO 3.80 353 ePn 26 25.50 14.2X
 S.D. = 0.6 on 5 of 7 obs.

JUN 29, 1991 16h 26m 27.36± 0.17s
 16.873 S ± 5.5km 173.783 W ± 4.7km
 DEPTH = 33.0km (normal)
 5.2mb (26 obs.) 4.3Msz (4 obs.)
 TONGA ISLANDS (173)

DZM	19.34	251	iPc	30	53.30	0.1
NOZ	22.82	197	P	31	32.50	4.0X
PAE	23.12	96	eP	31	32.00	0.4
	1.1s	85.00nm			5.2mb	
PPT	23.13	95	eP	31	32.00	0.3
	1.1s	100.00nm			5.2mb	
PPN	23.27	95	eP	31	33.00	0.0
	1.1s	45.00nm			4.9mb	
PMO	24.95	89	iP	31	49.10	-0.3
	1.1s	75.00nm			5.2mb	
VAH	25.18	90	iP	31	50.90	-0.6
	1.1s	75.00nm			5.2mb	
TPT	25.22	89	iP	31	51.60	-0.3
	1.1s	125.00nm			5.4mb	
MNG	25.42	199	eP	31	52.90	-0.7
THZ	27.32	202	P	32	11.20	0.1
KHZ	27.67	200	eP	32	13.80	-0.4
LTZ	28.44	202	eP	32	19.40	-1.8
COO	34.11	240	iPc	33	11.80	0.4
	0.9s	51.00nm			5.5mb	
RMO	35.99	248	eP	33	27.60	0.2
CMS	39.38	241	iPc	33	56.10	0.4
	0.8s	53.00nm			5.4mb	
TOO	41.26	232	eP	34	11.40	0.2
STK	43.00	241	iPd	34	29.50	4.0X
	0.5s	17.70nm			5.0mb	
ASPA	49.32	253	iPd	35	15.00	-0.7
	0.6s	118.70nm			6.1mb	
Z	22s	0.30um			4.2MszX	
		eP	35	29.70	56kmX	
		eS	42	13.20		
WARB	55.79	250	iPd	36	03.00	-0.9
	0.5s	12.00nm			5.2mb	
CGP	65.83	288	eP	37	13.50	1.4
NANU	66.25	252	eP	37	12.50	-2.3
	0.4s	50.00nm			6.0mb	
PRS	72.45	42	eP	37	52.80	0.2
GCC	72.48	41	eP	37	52.80	0.1
PCC	72.53	41	eP	37	52.50	-0.5
BCH	72.61	44	P	37	53.70	0.0
SAO	72.67	42	eP	37	53.80	-0.1
PRI	72.80	43	eP	37	55.50	0.7
BRK	72.84	40	eP	37	55.20	0.4
MHC	72.90	41	eP	37	56.00	0.6
LLA	72.90	42	eP	37	55.20	-0.1
ABL	72.99	44	P	37	56.00	-0.1
SPA	73.23	180	iPc	37	58.80	1.8
	1.0s	13.00nm			4.9mb	
PLM	73.77	47	eP	38	00.00	-0.6
SBB	73.84	45	eP	38	00.00	-0.9
PEC	73.85	46	e(P)	38	00.40	-0.5
FRI	73.92	42	eP	38	00.70	-0.4
ISA	73.96	44	eP	38	02.00	0.5
CMB	74.11	41	e(P)	38	02.00	-0.3
	1.1s	19.61nm			5.0mb	
WDC	74.36	38	ePc	38	03.50	-0.1
CLC	74.63	44	eP	38	05.00	-0.4
TPC	74.74	47	eP	38	06.00	-0.1
MIN	74.77	39	eP	38	06.00	-0.2
GSC	74.88	45	eP	38	06.00	-0.9
GLA	75.04	48	eP	38	08.00	0.2
LBFM	75.22	38	P	38	08.90	0.0
BONR	75.39	42	P	38	10.00	0.0
KVN	76.15	41	P	38	14.40	0.2
TNP	76.16	43	iPc	38	14.00	-0.3
	1.0s	90.00nm			5.7mb	
BMW	77.76	33	P	38	23.80	1.0
MSU	79.73	45	P	38	34.60	0.6
PMR	80.63	12	iPd	38	37.20	-0.7
	1.0s	18.75nm			5.0mb	
PNT	81.45	32	ePc	38	43.00	0.5
	0.9s	21.00nm			5.2mb	
ALO	82.02	50	eP	38	46.00	0.0
	1.0s	12.00nm			4.9mb	
		e	39	07.50		
LRM	83.39	38	ePc	38	52.80	-0.2
BW06	83.61	42	iPd	38	53.60	-0.5
	1.0s	77.50nm			5.8mb	
FBA	83.90	11	iPc	38	54.30	-0.5
	0.9s	45.83nm			5.6mb	
IMA	84.06	8	P	38	55.00	-0.8

GOL	1.0s	7.50nm			4.8mb	
	84.94	46	ePc	39	01.00	0.1
	1.1s	32.05nm			5.4mb	
SES	86.61	35	ePc	39	08.40	-0.3
	1.1s	67.00nm			5.8mb	
		pP	39	28.00	71kmX	
RSSD	87.79	43	ePc	39	13.60	-1.1
	1.0s	37.96nm			5.6mb	
MEO	87.85	53	iPc	39	14.50	-0.4
INK	89.78	14	eP	39	23.00	-0.3
PEL	91.44	125	iPd	39	33.50	1.5
YKA	91.59	24	eP	39	30.70	-1.1
	1.1s	4.50nm			4.8mb	
CHG	92.83	289	eP	39	40.80	2.4X
MBC	98.44	11	eP	40	02.50	-0.3
	1.0s	5.00nm			5.0mb	
CLL	145.22	353	iPKP	46	02.10	-1.0
	1.4s	18.00nm				
BRG	145.52	351	iPKP	46	03.80	0.2
	1.3s	20.00nm				
SPC	145.81	344	ePKP	46	05.50	1.0
MOX	146.03	354	iPKPc	46	05.30	0.8
	1.3s	3.00nm				
ENN	146.19	0	ePKP	46	06.00	1.3
	0.9s	12.00nm				
PRU	146.29	350	PKPc	46	06.40	1.4
	1.5s	20.10nm				
MEM	146.35	0	PKP	46	05.40	0.4
		e	46	24.40		
VRI	146.41	334	ePKPc	46	09.00	3.7X
SNF	146.41	2	PKP	46	06.50	1.4
		e	46	26.90		
DOU	146.83	2	PKP	46	07.80	2.0
MLR	147.04	334	ePKPc	46	09.00	2.5X
KHC	147.27	351	PKP	46	06.50	-0.1
	1.1s	7.50nm				
		i	46	09.40		
		e	46	28.50		
ZST	147.51	346	ePKP	46	10.20	3.3X
SRO	147.58	345	ePKP	46	09.80	2.7X
FLN	147.73	8	iPKPc	46	09.80	2.5X
	0.8s	29.55nm				
Z	20s	0.05um			4.3Msz	
LDF	147.94	8	iPKPc	46	10.30	2.7X
	0.8s	17.45nm				
GRR	148.04	9	iPKPc	46	10.80	3.0X
	0.8s	21.50nm				
LPF	148.36	9	iPKPc	46	11.70	3.4X
	0.8s	29.55nm				
GZR	148.36	337	ePKP	46	19.00	10.5X
CDF	148.53	359	ePKP	46	12.40	3.7X
	0.9s	13.10nm				
HRI	148.82	307	ePKP	46	14.60	4.9X
HAU	148.95	360	ePKP	46	13.50	4.2X
	0.9s	13.10nm				
Z	20s	0.05um			4.3Msz	
WTTA	149.37	353	iPKPd	46	14.70	4.5X
	0.7s	10.30nm				
		i	46	33.60		
LOR	149.63	3	iPKPc	46	15.30	4.9X
	1.0s	16.00nm				
Z	20s	0.08um			4.5Msz	
DSI	149.77	304	ePKP	46	16.60	5.6X
SSF	149.81	4	iPKPc	46	15.80	5.2X
	0.9s	18.00nm				
MFF	149.89	9	ePKP	46	15.60	4.9X
	1.0s	16.00nm				
LBF	149.92	3	iPKPc	46	15.80	5.0X
	1.0s	16.00nm				
AVF	150.07	4	ePKP	46	15.90	4.9X
	0.8s	9.40nm				
LJU	150.10	348	e(PKP)	46	16.00	4.9X
SMF	150.25	3	ePKP	46	16.30	5.0X
	1.0s	10.00nm				
BGF	150.27	5	iPKPc	46	16.80	5.5X
	0.8s	18.80nm				
LSF	150.45	7	iPKPc	46	16.80	5.2X
	0.8s	25.50nm				
VBY	150.47	347	ePKP	46	17.30	5.7X
TCF	150.48	6	iPKPc	46	17.00	5.3X
	1.0s	14.00nm				
MAF	150.58	5	iPKPc	46	17.60	5.8X
	0.9s	16.40nm				
MBH	150.81	301	ePKP	46	19.10	6.4X

RJF	151.38	7	iPKPc	46	19.26	6
	0.8s	8.05nm				
Z	20s	0.05um			4.3Ms.	
LPL	151.44	359	iPKPc	46	20.50	7.1X
	0.8s	8.05nm				
LPG	151.46	359	iPKPc	46	20.70	7.2X
	1.0s	14.00nm				
LFF	151.64	8	iPKPc	46	19.80	6.4X
	1.0s	16.00nm				
CAF	151.82	6	iPKP	46	20.50	6.8X
	0.6s	7.20nm				
LPO	151.95	8	iPKPc	46	20.50	6.6X
	0.6s	7.20nm				
S.D. = 0.8 on 73 of 109 obs.						

* JUN 29, 1991 16h 53m 57.57± 3.49s						
40.194 N ± 30.1km 27.635 E ± 8.9km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
MD 2.5 (ISK).						
EDC	0.23	49	iPg	54	02.00	-0.5
		eSg	54	06.50		
BNT	0.27	53	iPg	54	02.80	-0.5
KGT	0.36	315	ePg	54	04.80	-0.2
CTT	1.13	32	iPn	54	19.30	0.6
HRT	1.67	67	ePn	54	27.30	0.2
S.D. = 0.7 on 5 of 5 obs.						

* JUN 29, 1991 17h 53m 39.60s						
34.920 N 116.540 W						
DEPTH = 6.0km (geophysicist)						
SOUTHERN CALIFORNIA (43)						
<PAS-P>. ML 3.6 (PAS).						
GSC	0.44	330	iPc	53	48.20	-0.2
TPC	0.91	153	eP	53	56.40	-1.0
SBB	1.08	258	iPc	53	59.10	-1.3
PEC	1.15	207	iPd	54	00.70	-0.8
CLC	1.24	316	ePc	54	01.50	-1.6
PLM	1.59	190	eP	54	07.00	-1.5
ABL	2.20	269	eP	54	15.00	-2.5
BCH	2.92	276	eP	54	24.80	-2.8
TNP	3.20	350	e(P)	54	35.00	3.4
FRI	3.30	310	eP	54	36.50	3.7
		eS	55	31.00		
PRI						

29d 18h

CCH 16.87 16 P 35 59.50 0.9
 ZOBO 17.59 9 P 36 06.60 -1.2
 Z 24s 0.10um
 LR 41 48.00
 SIV 19.83 29 iPd 36 29.10 -3.8X
 VAO 23.68 69 eP 37 11.30 0.1
 TUL 73.05 339 e(P) 43 28.00 -1.0
 0.8s 9.40nm 4.8mb X
 FVM 73.60 344 eP 43 31.10 -1.0
 0.8s 9.85nm 4.8mb
 LIC 73.91 71 P 43 34.00 -0.4
 TIC 74.17 71 P 43 35.60 -0.4
 KIC 74.22 71 P 43 35.90 -0.3
 0.8s 14.50nm 4.9mb
 LKO 75.50 68 P 43 43.22 -0.4
 0.9s 21.50nm 5.1mb
 ALO 75.95 331 eP 43 46.00 0.0
 0.9s 1.68nm 4.0mb
 TNP 83.35 325 iP 44 27.10 1.6
 0.9s 4.88nm 4.5mb
 BW06 83.91 333 eP 44 29.00 0.7
 ORV 86.58 323 eP 44 42.50 1.1
 YKA 102.07 341 ePd 45 51.20 -0.9
 0.5s 0.40nm 4.4mb
 GBA 145.08 117 PKPd 51 36.20 0.0
 0.7s 10.80nm
 YAK 148.75 341 ePKP 51 40.80 0.0
 S.D. = 0.9 on 25 of 27 obs.

& JUN 29, 1991 19h 40m 11.66s
 66.320 N 149.736 W
 DEPTH = 24.5km

ALASKA (676)
 <AEIC>. ML 2.5 (AEIC).

MDM 1.50 155 eP 40 36.36 -0.9
 S 40 56.01
 IMA 1.62 263 eP 40 39.14 0.1
 S 40 59.10
 FBA 1.64 150 eP 40 39.43 0.2
 eS 41 00.00
 RDS 1.64 155 eP 40 39.42 0.2
 S 40 59.42
 GLM 1.65 143 eP 40 38.91 -0.6
 eS 41 01.03
 NEA 1.77 171 eP 40 40.65 -0.5
 FYU 1.83 80 eP 40 42.02 0.1
 CCB 1.86 154 eP 40 42.24 -0.2
 WRH 1.98 159 eP 40 43.83 -0.3
 BWN 2.16 177 eP 40 46.57 -0.2
 10 obs. associated

* JUN 29, 1991 20h 50m 42.12 ± 1.26s
 0.272 S ± 11.0km 122.794 E ± 12.5km
 DEPTH = 169.7 ± 14.6 km
 4.2mb (3 obs.)

MINAHASSA PENINSULA (265)

TSM 6.50 313 ePc 52 16.50 0.1
 CGP 8.87 12 eP 52 48.00 0.0
 ASPA 25.63 156 eP 55 57.50 -0.3
 0.7s 5.50nm 4.3mb
 eP 56 30.70 163kmX
 iPcP 59 23.70
 OIS 26.01 142 iPd 56 01.10 -0.2
 CHG 30.14 310 eP 56 38.10 -0.2
 CHTO 30.14 310 eP 56 38.10 -0.2
 0.9s 4.26nm 4.2mb
 STK 36.12 152 iPd 57 30.00 0.5
 0.8s 4.50nm 4.2mb
 GUN 45.14 311 P 58 44.40 0.4
 PKI 45.32 311 P 58 45.20 -0.1
 KKN 45.53 311 P 58 46.80 -0.1
 DMN 45.57 311 P 58 47.60 0.4
 GKN 46.13 311 P 58 51.20 -0.3
 S.D. = 0.3 on 12 of 12 obs.

& JUN 29, 1991 21h 25m 04.53s
 63.441 N 150.889 W
 DEPTH = 15.7km

CENTRAL ALASKA (1)
 <AEIC>. ML 3.1 (AEIC).

HUR 0.73 129 eP 25 18.64 0.2
 S 25 29.93
 RND 0.92 91 eP 25 21.72 0.1
 eS 25 35.00

MCK 0.92 71 eP 25 21.63 -0.1
 BWN 0.97 40 eP 25 23.08 0.6
 eS 25 37.30
 CUT 1.08 164 iP 25 24.39 0.1
 eS 25 39.76
 NEA 1.39 34 eP 25 28.84 -0.4
 eS 25 47.14
 SKT 1.50 192 eP 25 30.09 -0.7
 eS 25 50.27
 WRH 1.61 49 eP 25 31.36 -1.0
 S 25 53.38
 CCB 1.82 47 eP 25 33.78 -1.6
 S 25 59.48
 RDS 1.84 40 eP 25 34.01 -1.7
 eS 26 00.30
 PWA 1.86 165 eP 25 35.64 -0.3
 GHO 1.91 151 eP 25 36.72 0.0
 MDM 1.92 36 eP 25 35.15 -1.7
 S 26 01.00
 SUA 1.99 178 eP 25 37.65 -0.3
 FBA 2.00 41 eP 25 38.88 0.9
 S 26 04.49
 PLRM 2.03 155 eP 25 38.37 0.0
 NCG 2.13 197 eP 25 38.60 -1.4
 CLM 2.18 43 eP 25 40.47 -0.2
 CGLM 2.20 194 eP 25 40.93 -0.2
 CRP 2.26 196 eP 25 40.76 -1.2
 PMS 2.29 164 eP 25 43.03 0.8
 BGL 2.30 198 eP 25 42.46 0.1
 SCM 2.30 133 eP 25 42.68 0.2
 KNK 2.33 150 eP 25 43.64 0.8
 SPU 2.33 194 eP 25 42.60 -0.3
 CKL 2.35 197 eP 25 43.52 0.3
 TTA 2.38 260 eP 25 41.33 -2.2
 PAX 2.50 98 eP 25 46.33 1.0
 S 26 18.78
 TOA 2.55 120 eP 25 46.81 0.8
 SDG 2.61 108 eP 25 47.63 0.9
 TZL 2.88 117 eP 25 52.04 1.5
 IMA 2.90 337 eP 25 48.32 -2.6
 SLKM 2.96 174 eP 25 52.13 0.4
 RDT 2.97 195 eP 25 51.21 -0.6
 DFR 2.98 197 eP 25 51.98 -0.1
 KLU 3.02 128 eP 25 53.09 0.4
 NCT 3.05 199 eP 25 53.83 0.8
 GLI 3.13 144 eP 25 54.68 0.6
 VZW 3.13 138 eP 25 55.18 0.9
 VLZ 3.15 135 eP 25 53.71 -0.6
 SVW 3.22 225 eP 25 56.49 1.0
 NNL 3.42 183 eP 25 59.59 1.4
 KNIM 3.44 153 eP 25 58.07 -0.5
 LTI 3.71 156 eP 26 02.07 -0.3
 MTU 3.79 155 eP 26 02.34 -1.2
 GLB 3.85 118 eP 26 05.82 1.4
 CNPM 3.93 183 eP 26 05.71 0.2
 BALM 4.67 117 eP 26 15.96 -0.1
 48 obs. associated

JUN 29, 1991 21h 25m 17.44 ± 0.45s
 6.774 N ± 5.7km 73.011 W ± 5.1km
 DEPTH = 157.8 ± 4.9 km
 4.6mb (7 obs.)

NORTHERN COLOMBIA (99)

BMG 0.30 348 eP 25 41.00 0.5
 FUQ 1.48 209 eP 25 46.50 -1.6
 BOG 2.38 206 iPc 26 02.00 3.7X
 iS 26 32.00
 SDV 3.16 48 iPnd 26 10.00 2.2
 iSn 26 47.10
 CEOS 5.15 64 iP 26 34.10 0.3
 iS 27 32.80
 MORO 6.17 48 iP 26 47.50 0.0
 eS 27 56.10
 UPA 6.82 289 iPd 26 54.00 -2.2
 0.4s 23.73nm 4.9mb
 S 28 04.00
 OLLA 6.94 62 iP 26 57.50 -0.4
 iS 28 17.90
 PSO 7.02 218 eP 27 00.00 0.8
 LLAV 7.15 59 iP 27 00.60 -0.1
 GUAN 7.94 66 iP 27 10.60 -0.7
 ZOBO 23.40 168 P 30 15.00 1.1
 LPB 23.66 168 P 30 17.00 0.8
 CNCB 23.95 168 P 30 20.00 0.8
 i 34 25.00
 CCH 24.94 164 eP 30 16.50 -11.7X

ELC 33.77 336 P 31 46.00 0.0
 FVM 34.86 336 iPc 31 55.70 0.4
 ALO 41.62 317 eP 32 51.50 -0.3
 1.0s 4.75nm 4.1mb
 ANMO 41.62 317 ePc 32 52.20 0.4
 1.2s 25.39nm 4.7mb
 GOL 43.80 323 iPc 33 10.10 0.5
 1.0s 20.00nm 4.7mb
 RSSD 46.03 329 iPd 33 26.50 -0.6
 MSU 47.41 318 P 33 38.90 0.8
 DAU 47.84 320 P 33 42.50 1.1
 SCH 48.17 5 eP 33 43.00 -0.3
 DUG 48.72 319 P 33 48.30 0.3
 PTI 49.91 322 P 33 57.30 0.2
 TNP 50.67 315 ePc 34 03.00 0.0
 0.9s 4.88nm 4.2mb
 BONR 51.39 314 P 34 09.40 0.9
 SES 53.79 331 ePc 34 25.50 -0.3
 LBFM 55.33 316 P 34 39.00 1.7
 PNT 57.65 326 eP 34 54.00 0.7
 0.6s 5.00nm 4.6mb
 YKA 63.34 340 eP 35 30.20 -1.4
 0.6s 6.90nm 4.7mb
 TIC 67.47 86 P 35 57.80 -1.0
 LIC 67.50 86 Pd 35 58.00 -1.0
 KIC 67.77 86 Pd 35 59.80 -0.9
 INK 73.11 340 eP 36 31.00 -0.8
 PDB 79.74 329 P 37 08.60 -0.4
 IMA 80.06 336 P 37 11.30 0.6
 SHL 144.66 24 iPKP 44 36.00 -1.8
 ASPA 149.17 234 ePKP 44 48.70 3.7X
 0.8s 10.10nm
 S.D. = 1.0 on 37 of 40 obs.

* JUN 29, 1991 21h 39m 09.32 ± 1.59s
 41.744 N ± 12.1km 22.879 E ± 9.7km
 DEPTH = 10.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 2.1 (SKO).

VAY 0.48 209 iPg 39 19.00 -0.1
 iSg 39 26.00
 KNT 0.58 179 iPd 39 20.74 -0.4
 iS 39 29.66
 SRS 0.82 139 iPc 39 25.06 -0.2
 eS 39 39.38
 SOH 0.99 159 ePc 39 28.38 0.3
 eS 39 44.22
 SKO 1.10 282 e(Pn) 39 30.00 0.0
 i 39 44.50
 THE 1.11 177 iPc 39 30.57 0.4
 eS 39 48.26
 S.D. = 0.4 on 6 of 6 obs.

JUN 29, 1991 21h 46m 34.60 ± 0.74s
 19.821 N ± 10.2km 109.113 W ± 9.1km
 DEPTH = 10.0km (geophysicist)
 4.8mb (14 obs.) 4.4msz (2 obs.)
 REVILLA GIGEDO ISLANDS REGION (53)

MRX 7.46 90 (P) 48 31.00 4.9X
 III 9.23 97 (P) 48 51.50 0.5
 ACX 9.27 107 (P) 48 52.00 0.7
 PPM 9.92 93 (P) 49 05.00 4.1X
 IIT 10.23 93 (P) 49 06.00 1.2
 OXX 12.07 101 (P) 49 32.00 2.1
 GLA 14.13 340 eP 49 56.00 -1.0
 ALO 15.25 8 eP 50 12.80 1.0
 2.0s 161.76nm 5.0mb
 ANMO 15.25 8 ePc 50 13.50 1.7
 2.0s 169.12nm 5.1mb
 TPC 15.51 338 eP 50 15.00 0.0
 MWC 16.40 333 eP 50 28.00 1.4
 SBB 16.70 334 eP 50 31.00 0.7
 GSC 16.85 338 eP 50 31.00 -1.2
 MEO 17.58 30 iPc 50 40.30 -1.0
 CLC 17.60 337 eP 50 41.00 -0.6
 ISA 17.81 334 eP 50 48.00 3.8X
 PRI 19.17 330 ePd 51 02.30 1.3
 FRI 19.46 334 eP 51 04.90 0.6
 TNP 19.51 341 eP 51 04.20 -1.1
 1.5s 68.18nm 4.7mb
 PRS 19.65 329 eP 51 08.80 2.2
 LLA 19.68 331 eP 51 08.10 1.1
 LPS 19.84 103 eP 51 09.00 0.2
 TUL 19.85 33 eP 51 08.50 -0.2
 1.2s 46.60nm 4.7mb

Z	20s	0.47um	4.5msz	NCG	5.54	27 eP	49 29.30	-1.5	LPS	3.71	94 iS	23 44.00	0.
		eS	54 54.00	SUA	5.98	32 eP	49 33.35	-3.5	OXX	4.36	305 iPc	23 36.30	-0.2
GOL	20.07	8 eP	51 09.80	LT1	6.10	51 eP	49 32.02	-6.5			iS	23 44.00	
GLD	20.14	9 e(P)	51 10.00	PMS	6.19	38 eP	49 33.81	-6.0	VHO	4.36	305 (P)	23 43.00	-2.2X
	1.3s	52.87nm	4.7mb	SKT	6.19	27 eP	49 36.57	-3.2	IISM	6.05	317 iP	24 07.00	-1.2
		e	51 14.00	KNIM	6.31	49 eP	49 34.98	-6.6	IIT	6.72	311 iP	24 17.00	-1.2
MHC	20.60	331 e(P)	51 18.00	GLI	6.87	47 eP	49 42.54	-6.9	PPM	6.99	310 iP	24 22.00	-0.1
CMB	20.62	334 ePd	51 17.30	KLU	7.69	45 eP	49 53.77	-7.1			(S)	25 49.00	
BKS	21.31	330 eP	51 25.80						ACX	6.99	290 iP	24 20.00	-1.7
	1.6s	100.00nm	5.0mb						III	7.26	302 iP	24 24.00	-1.6
Z	20s	1.60um	4.4msz						UNM	7.56	309 iP	24 29.00	-0.8
N	20s	1.50um							TAC	7.62	310 (P)	24 39.00	8.4X
E	20s	1.20um							MRX	9.34	304 iP	24 54.00	0.1
		iS	55 34.00						CGX	11.22	298 iP	25 26.00	6.4
		eLQ	56 58.00						GCM	12.03	66 eP	25 30.10	-0.1
		eLR	57 46.00						MEO	20.71	347 iPd	27 14.30	-1.9
BRK	21.32	330 eP	51 26.00	VAY	0.50	210 iPgc	27 34.00	-0.1	TUL	21.36	354 ePc	27 23.30	0.6
ORV	22.37	334 eP	51 37.20							0.8s	34.10nm	4.8mb	
BW06	22.89	359 ePc	51 39.80	KNT	0.60	180 iPc	27 35.74	-0.3	Z	20s	0.27um	3.6msz	
	2.2s	53.29nm	4.7mb	SRS	0.83	141 ePc	27 39.92	0.0			LR	31 27.00	
FVM	24.31	38 eP	51 52.80									34 03.00	
	1.2s	19.12nm	4.6mb	GRG	0.89	205 iPc	27 40.57	-0.4	HBF	21.54	30 P	27 25.40	0.9
NEW	29.10	349 e(P)	52 35.50	SOH	1.00	160 iPc	27 43.21	0.3	PRM	21.63	25 P	27 25.30	-0.2
	1.5s	32.07nm	4.9mb						SGS	21.69	29 P	27 26.90	0.9
SES	30.55	358 eP	52 51.00	SKO	1.11	282 iPn	27 44.70	-0.1	JSC	22.26	26 iPc	27 31.90	0.2
FFC	35.27	7 eP	53 31.00						TKL	22.52	20 P	27 36.30	2.0
	1.7s	59.00nm	5.2mb						LHS	22.63	27 P	27 35.50	0.3
YKA	42.81	356 eP	54 32.00	THE	1.13	178 ePc	27 45.34	0.3	ELC	22.82	8 P	27 36.10	-1.0
	1.0s	2.70nm	3.9mb						ALO	23.60	331 ePc	27 46.00	1.0
BALM	47.33	339 eP	55 09.00	FNA	1.51	230 iPd	27 51.20	0.2			0.9s	31.09nm	4.7mb
SLKM	49.91	335 eP	55 29.40						ANMO	23.60	331 ePc	27 42.10	-2.9X
		e	55 36.10	KZN	1.68	211 ePn	27 54.10	0.5			0.9s	25.84nm	4.7mb
PMR	50.15	336 e(P)	55 29.00	LIT	1.69	191 iPc	27 54.28	0.7	NAV	25.07	23 P	27 58.30	-0.6
	0.9s	14.17nm	4.9mb	OHR	1.71	248 ePn	27 53.50	-0.5	BLA	25.13	24 ePd	27 59.80	0.4
		e	55 33.70	PAIG	1.92	162 ePd	27 56.85	-0.2			1.0s	50.00nm	4.9mb
INK	50.83	349 eP	55 36.50	RDO	2.07	106 ePn	27 59.50	0.3	CVL	26.59	26 P	28 14.80	2.0
SVW	52.46	334 eP	55 48.40	DRA	3.08	18 ePc	28 25.00	11.5X	GLA	27.03	317 eP	28 18.00	1.0
	1.0s	12.00nm	4.8mb	EZN	3.24	125 ePn	28 15.00	-0.8	GOL	27.25	339 ePd	28 20.00	0.8
ZOBO	53.93	129 P	56 00.80	KGT	3.57	110 ePn	28 20.00	-0.5			1.0s	70.00nm	5.2mb
Z	22s	0.36um	4.4msz	PRK	3.59	133 ePn	28 21.00	0.2	TPC	28.48	317 eP	28 40.00	9.9X
		LR	10 06.00	CMP	3.84	23 ePd	29 03.00	38.7X	PLM	28.59	315 eP	28 33.00	1.8
LPB	54.12	129 P	56 02.00	DEV	4.12	0 ePc	28 44.00	15.7X	RVR	29.30	315 eP	28 51.00	13.6X
CNCB	54.39	129 P	56 04.00	MLR	4.34	30 ePd	28 31.00	-0.5	GSC	29.70	318 eP	28 55.00	13.9X
MBC	56.70	357 eP	56 20.50	VRI	4.95	33 ePd	28 41.00	0.9	SBB	30.01	316 eP	28 57.00	13.2X
	1.5s	36.00nm	5.2mb						CLC	30.53	318 eP	28 51.00	2.7X
ANM	58.01	335 e(P)	56 25.00						RSSD	30.88	344 iPc	28 52.00	0.5
SIV	59.13	124 P	56 35.30							0.9s	65.06nm	5.4mb	
ADK	60.85	319 e(P)	56 51.00						ISA	31.01	317 eP	29 03.00	10.4X
YAK	86.14	336 eP	59 15.80						BW06	31.48	336 iPc	28 57.30	0.5
	S.D. = 1.3	on 43 of 49 obs.								1.1s	17.86nm	4.8mb	
& JUN 29, 1991 21h 48m 04.91s													
56.580 N 157.381 W													
DEPTH = 0.0km													
ALASKA PENINSULA (12)													
<AEIC>. ML 3.4 (AEIC).													
KDC	2.91	64 eP	48 52.16	KHL	1.00	160 ePg	40 45.50	0.0	BONR	32.30	321 P	29 07.30	3.2X
		S	49 28.14			iSg	40 58.50		PRI	32.74	316 e(P)	29 12.00	4.3X
MCNL	3.08	31 eP	48 53.52	BNT	1.41	321 ePn	40 52.00	-0.1	CMB	33.65	319 eP	29 18.80	3.3X
CDD	3.09	39 eP	48 53.46	HRT	1.61	16 ePn	40 55.00	0.0	LRM	35.17	336 eP	29 30.10	1.4
		eS	49 32.42	KGT	1.81	311 ePn	40 58.00	0.1	WDC	36.50	321 eP	29 41.00	1.3
SYI	3.37	51 eP	48 58.13						LBFM	36.58	322 P	29 42.30	1.7
		eS	49 39.39						ARE	37.47	145 e(P)	29 53.00	4.7X
AUI	3.47	36 eP	49 00.13						SES	38.58	341 ePc	29 57.80	0.7
AUH	3.49	35 eP	48 59.65						ZOBO	39.30	140 P	30 07.20	3.2X
AUE	3.51	36 eP	48 59.84							Z	24s	0.26um	4.0mszX
PDB	3.63	26 iP	49 01.27									S	36 16.00
		S	49 42.51									LR	42 36.00
XLV	4.17	44 eP	49 09.36						LPB	39.52	141 eP	30 10.00	4.4X
CNSM	4.40	45 eP	49 10.80						CNCB	39.80	141 P	30 10.00	1.9
RS2	4.59	30 eP	49 15.33	GBZT	0.28	56 ePg	21 49.60	-0.3	FFC	40.63	352 eP	30 14.00	0.1
RSO	4.59	30 eP	49 15.35			iSg	21 53.90			0.5s	14.00nm	5.1mb	
RDW	4.59	30 eP	49 15.20	ISK	0.44	351 ePg	21 52.80	-0.1	PNT	40.90	333 eP	30 18.00	1.9
NCT	4.62	28 eP	49 15.48			eSg	21 59.30			0.7s	26.00nm	5.2mb	
REF	4.62	30 eP	49 15.35	HRT	0.44	65 iPg	21 53.30	0.3	CCH	41.38	139 eP	30 23.00	2.3
RDN	4.63	30 eP	49 15.79			eSg	21 59.30		SIV	43.80	133 iPc	30 40.50	0.3
SVW	4.63	11 eP	49 15.95	CTT	0.75	314 iPg	21 58.80	0.1	SCH	44.99	21 eP	30 49.00	-0.3
DFR	4.71	29 eP	49 16.61			iSg	22 08.80		YKA	50.21	347 eP	31 29.20	-0.6
NNL	4.73	40 eP	49 15.91	BNT	0.97	254 iPn	22 02.80	0.2		0.9s	41.90nm	5.5mb	
RDT	4.78	31 eP	49 17.12	EDC	1.02	254 ePn	22 03.00	-0.3	FRB	51.93	14 eP	31 42.00	-0.9
CKL	5.32	27 eP	49 25.16	DMK	1.58	319 ePn	22 12.30	0.1	SOB1	56.81	111 eP	32 19.80	0.6
SPU	5.38	29 eP	49 25.62								e	32 32.90	
CRP	5.42	28 eP	49 27.50						BALM	58.27	334 ePc	32 30.50	1.6
SLKM	5.44	41 eP	49 24.10						INK	59.58	344 ePc	32 38.00	0.3
CGLM	5.50	28 eP	49 28.13							0.6s	27.00nm	5.6mb	
									MBC	63.19	353 ePc	33 02.50	0.7
										0.9s	149.00nm	6.0mb X	
									STS	76.17	49 ePc	34 20.50	-1.1
									EMON	76.98	48 eP	34 25.00	-1.2
									EKA	78.02	36 Pd	34 30.90	-0.7
										0.8s	10.30nm	4.8mb	

29d 23h

EPLA 78.41 51 eP 34 33.20 -0.9
 AVE 78.48 58 iP 34 34.50 -0.1
 TIO 79.03 61 iP 34 36.00 -1.8
 GUD 79.76 51 iPc 34 41.00 -0.6
 LPF 80.57 43 eP 34 44.40 -1.1
 1.0s 20.00nm 5.0mb
 GRR 80.62 42 eP 34 45.00 -0.8
 0.8s 13.45nm 4.9mb
 FLN 80.79 42 eP 34 45.90 -0.8
 0.9s 16.40nm 5.0mb
 Z 20s 0.25um 4.6Msz
 AFC 80.87 54 eP 34 47.50 0.0
 LDF 81.06 42 eP 34 47.40 -0.7
 0.9s 16.40nm 5.0mb
 MFF 81.45 44 eP 34 49.30 -0.9
 0.8s 8.05nm 4.7mb
 ECHE 82.36 51 eP 34 55.50 0.4
 LFF 82.42 46 eP 34 54.70 -0.5
 0.8s 10.75nm 4.8mb
 EPF 82.57 48 eP 34 55.40 -0.7
 1.0s 6.00nm 4.5mb
 LSF 82.66 44 eP 34 55.60 -0.9
 0.9s 6.55nm 4.6mb
 LPO 82.79 46 eP 34 56.50 -0.7
 0.8s 5.35nm 4.5mb
 RJF 82.87 45 eP 34 56.80 -0.8
 0.8s 5.35nm 4.5mb
 Z 20s 1.35um 5.3Msz
 TCF 83.11 44 eP 34 57.80 -1.0
 0.8s 5.35nm 4.5mb
 CAF 83.34 45 eP 34 59.30 -0.7
 0.8s 4.05nm 4.4mb
 MAF 83.37 44 iPc 34 59.40 -0.7
 0.9s 5.75nm 4.5mb
 BGF 83.47 44 iPc 34 59.80 -0.8
 0.9s 14.75nm 5.0mb
 AVF 83.75 43 eP 35 00.90 -1.1
 0.8s 5.35nm 4.6mb
 SSF 83.79 43 iPc 35 01.40 -0.8
 0.8s 8.05nm 4.8mb
 LOR 83.97 43 iPc 35 02.50 -0.6
 0.9s 9.85nm 4.8mb
 Z 20s 0.25um 4.6Msz
 NB2 84.06 28 P 35 04.30 1.0
 1.1s 10.20nm 4.8mb
 SMF 84.12 43 eP 35 02.80 -1.1
 0.8s 5.35nm 4.6mb
 LBF 84.12 43 eP 35 02.90 -1.0
 0.8s 4.05nm 4.5mb
 LKO 85.14 81 P 35 09.84 0.3
 0.9s 65.00nm 5.7mb
 HAU 85.39 42 eP 35 09.80 -0.4
 0.8s 5.35nm 4.6mb
 Z 20s 0.25um 4.6Msz
 HFS 85.52 29 ePKP 35 10.70 0.1
 0.9s 12.80nm 5.0mb
 BSF 85.72 42 eP 35 11.40 -0.6
 0.8s 5.35nm 4.6mb
 CDF 85.86 41 eP 35 12.20 -0.5
 0.8s 5.35nm 4.6mb
 KEV 86.18 18 iP 35 15.00 1.3
 LPL 86.36 44 eP 35 14.00 -1.4
 1.0s 4.00nm 4.4mb
 LPG 86.38 44 eP 35 14.00 -1.6
 1.0s 4.00nm 4.4mb
 TIC 86.38 84 P 35 16.02 0.3
 0.7s 13.00nm 5.1mb
 LIC 86.48 85 P 35 16.50 0.3
 0.7s 20.00nm 5.3mb
 LRG 86.71 46 eP 35 16.90 0.1
 0.9s 19.65nm 5.2mb
 Z 20s 0.10um 4.2Msz
 KIC 86.72 84 P 35 17.80 0.4
 0.7s 25.50nm 5.4mb
 LMR 86.85 46 eP 35 17.50 0.0
 0.8s 9.40nm 5.0mb
 FRF 86.88 46 eP 35 17.70 0.1
 0.8s 13.45nm 5.1mb
 SOD 87.36 20 iP 35 20.20 0.7
 CLL 88.40 37 e(P) 35 24.00 -0.8
 PGF 88.83 46 eP 35 25.70 -1.5
 0.8s 10.75nm 5.1mb
 BRG 89.12 37 e(P) 35 29.80 1.6
 1.0s 10.00nm 5.0mb
 KHC 89.55 39 P 35 24.00 -6.3X
 e 35 32.50
 PRU 89.81 38 eP 35 32.00 0.6

NUR 90.24 26 eP 35 35.00 1.8
 ZST 92.07 39 e(P) 35 43.00 1.1
 ASAJ 102.69 322 ePdiff 36 23.30 -6.8X
 LZH 127.12 343 ePKP 41 42.00 4.3X
 1.0s 23.00nm
 STK 127.53 241 ePKP 41 38.70 0.3
 0.6s 1.80nm
 ASPA 134.97 251 ePKP 41 53.50 0.7
 1.3s 6.40nm
 GKN 137.57 3 PKP 41 51.00 -6.8X
 KKN 137.81 2 PKP 41 54.20 -4.1X
 DMN 137.99 3 PKP 41 53.84 -4.9X
 PKI 138.04 2 PKP 41 54.86 -4.1X
 CHG 144.77 340 ePKP 42 10.00 -0.5
 1.0s 16.00nm
 LOE 145.03 335 ePKP 42 11.00 0.0
 BDT 146.21 339 ePKP 42 12.20 -0.7
 0.8s 218.00nm
 HYB 147.09 15 ePKP 42 17.70 3.3X
 1.0s 50.00nm
 e 42 32.00
 KHT 148.63 338 iPKPc 42 22.00 5.1X
 GBA 150.40 19 PKPd 42 21.40 1.9
 1.1s 18.40nm
 S.D. = 1.0 on 102 of 127 obs.
 % JUN 29, 1991 23h 39m 03.69±0.93s
 30.604 S ±10.3km 117.108 E ±8.2km
 DEPTH = 10.0km (geophysicist)
 WESTERN AUSTRALIA (590)
 BAL 0.35 270 iPd 39 09.90 -0.9
 iS 39 13.50
 KLB 1.13 151 iPc 39 25.30 0.4
 iS 39 40.10
 MUN 1.57 209 iPd 39 32.10 0.4
 iS 39 51.70
 MRWA 1.69 325 iPc 39 34.20 0.9
 eS 39 54.80
 COOL 3.49 96 eP 39 58.30 -0.8
 eS 40 38.20
 S.D. = 1.1 on 5 of 5 obs.
 % JUN 30, 1991 00h 23m 47.75±1.14s
 39.272 N ±7.1km 27.676 E ±13.9km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 MD 2.9 (ISK).
 IZM 0.93 200 iPg 24 05.50 -0.1
 iSg 24 18.70
 EDC 1.08 8 ePn 24 08.00 -0.1
 BNT 1.10 10 ePn 24 08.80 0.4
 EZN 1.18 298 ePn 24 10.00 0.2
 KGT 1.21 346 ePn 24 09.80 -0.5
 S.D. = 0.5 on 5 of 5 obs.
 * JUN 30, 1991 00h 37m 51.33±4.20s
 43.332 N ±18.9km 18.191 E ±25.3km
 DEPTH = 5.0km (geophysicist)
 YUGOSLAVIA (383)
 ML 2.3 (TTG).
 BRY 0.50 149 iPg 38 01.37 -0.1
 iSg 38 11.03
 NKY 0.79 131 iPg 38 06.77 -0.4
 iSg 38 20.45
 PLE 0.88 90 iPg 38 08.25 -0.5
 iSg 38 22.97
 HCY 0.91 166 iPg 38 08.77 -0.5
 iSg 38 24.28
 BDV 1.15 156 iPg 38 12.98 -0.3
 iSg 38 32.37
 TTG 1.20 139 iPg 38 14.55 0.5
 iSg 38 34.37
 IVA 1.33 110 iPg 38 16.78 0.3
 iSg 38 37.93
 PVY 1.50 119 iPnc 38 19.38 0.3
 ULC 1.58 150 iPnd 38 20.67 0.7
 OHR 2.95 138 e(Pn) 38 46.00 6.3X
 S.D. = 0.5 on 9 of 10 obs.
 JUN 30, 1991 01h 44m 12.87±0.30s
 21.621 S ±6.4km 114.234 W ±7.7km
 DEPTH = 10.0km (geophysicist)
 5.3mb (19 obs.) 5.0Msz (6 obs.)
 EASTER ISLAND CORDILLERA (684)

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 25S, 42C
 Centroid Location:
 Origin Time 01:44:17.6 0.8
 Lat 21.93S 0.07 Lon 113.99W 0.06
 Dep 15.0 FIX Half-duration 2.3
 Moment Tensor; Scale 10**17 Nm
 Mrr=-0.28 0.06 Mtt=-0.91 0.07
 Mff= 1.19 0.09 Mrt= 0.14 0.24
 Mrf= 0.48 0.23 Mtf= 1.60 0.07
 Principal Axes:
 T Val= 2.15 P1g=11 Azm=298
 N -0.37 78 138
 P -1.78 4 29
 Best Double Couple: Mo=2.0*10**17
 NP1: Strike= 74 Dip=79 Slip= 5
 NP2: 343 85 169
 TVO 33.15 270 iP 51 06.80 15.0X
 1.2s 115.00nm
 PAE 33.48 270 iP 51 01.00 6.4X
 1.2s 90.00nm 5.6mb
 TACH 39.92 117 ePd 51 49.50 0.6
 PEL 40.08 116 iPd 51 51.00 0.7
 1.0s 66.00nm 5.3mb
 SAN 40.13 117 eP 51 51.50 0.8
 ANT 40.37 102 eP 51 52.00 -0.7
 ARE 40.64 90 eP 51 55.00 -0.3
 MDZ 41.60 116 i(P) 52 04.10 1.3
 LPS 43.35 37 eP 52 18.60 1.4
 1.0s 22.00nm 4.9mb
 LPB 43.78 92 P 52 22.20 1.0
 1.1s 96.20nm 5.5mb
 Z 22s 4.81um 5.4Msz
 SS 02 16.00
 LR 05 14.00
 ZOBO 43.82 91 iPc 52 21.70 0.0
 1.2s 100.00nm 5.5mb
 Z 24s 3.47um 5.2Msz
 LR 05 12.00
 CNCB 43.82 92 iPc 52 22.80 1.1
 CCH 45.39 93 P 52 35.00 0.9
 UPA 45.66 52 eP 52 36.40 0.7
 Z 18s 1.55um 5.0Msz
 i 54 13.00
 SIV 50.44 93 P 53 11.70 -1.4
 BAR 54.04 357 eP 53 41.00 1.3
 GLA 54.37 359 eP 53 44.00 1.9
 PLM 54.72 357 eP 53 46.00 1.1
 RVR 55.38 357 eP 53 50.00 0.5
 TPC 55.44 358 eP 53 50.00 0.1
 PAS 55.58 356 eP 53 53.00 2.1
 MWC 55.65 356 eP 53 52.00 0.4
 SBB 56.10 356 eP 53 55.00 0.3
 GSC 56.66 357 eP 53 59.00 0.3
 ALQ 56.73 8 ePd 53 59.00 -0.4
 1.0s 10.00nm 4.8mb
 Z 22s 1.11um 4.9Msz
 ANMO 56.74 8 e(P) 53 59.50 0.1
 1.1s 12.66nm 4.9mb
 ISA 57.11 356 eP 54 02.00 0.1
 CLC 57.21 357 eP 54 03.00 0.4
 PRI 57.77 354 ePd 54 07.50 0.9
 MEO 58.03 15 iPc 54 06.90 -1.4X
 SAO 58.47 353 eP 54 16.30 5.0X
 FRI 58.52 355 eP 54 11.30 -0.4
 GCC 58.79 353 e(P) 54 14.80 1.2
 TNP 59.45 357 iPd 54 18.80 0.4
 1.0s 15.00nm 5.1mb
 CMB 59.62 354 ePd 54 19.90 0.5
 TUL 59.82 17 ePd 54 19.70 -1.0
 0.6s 19.20nm 5.4mb
 Z 22s 1.64um 5.1Msz
 eS 02 25.00
 e 06 11.00
 e 12 23.00
 LR 13 41.00
 PV09 59.99 5 eP 54 22.80 0.6
 ORV 61.23 354 eP 54 30.80 0.5
 GOL 61.56 8 eP 54 32.30 -0.6
 1.0s 31.00nm 5.4mb
 VAO 61.73 105 eP 54 30.20 -4.0X
 e 54 33.10
 WDC 62.36 353 ePd 54 37.70 -0.2
 FVM 63.37 21 eP 54 44.00 -0.6
 1.2s 41.18nm 5.5mb

JSC	63.83	30 eP	54 46.90	-0.8		e	03 33.50	Sg	35 01.20	
BW06	64.22	4 iPd	54 49.00	-1.4		e	07 44.00	Pg	34 21.40	10.3X
	0.9s	19.07nm		5.3mb	PRU	130.99	42 ePKP	03 26.50	Sg	35 05.30
RSSD	66.08	8 iPc	55 01.70	-0.6		e	03 35.40	Tcf	3.61 26 Pg	34 23.00 10.7X
	1.0s	40.67nm		5.6mb	NUR	131.70	26 ePKP	03 35.00	Sg	35 09.40
BLA	66.63	29 e(P)	55 05.60	-0.2		ePKP	03 31.70	BGF	4.06 30 Pg	34 32.20 13.6X
	1.0s	18.00nm		5.2mb	ZST	133.11	43 ePKP	03 30.00	Sg	35 23.20
LRM	67.14	1 eP	55 07.10	-2.0		(ePKP)	03 31.80		S.D. = 0.6	on 13 of 17 obs.
CBN	68.84	30 eP	55 19.00	-0.6		e	03 40.30		JUN 30, 1991	02h 33m 15.14± 0.35s
NEW	69.61	358 iPd	55 24.00	-0.1		ePKP	03 38.10		11.961 N ± 7.9km	142.046 E ± 8.8km
	1.3s	40.09nm		5.4mb	IRK	137.41	326 ePKP	03 38.10	DEPTH = 33.0km	(normol)
CLE	69.73	26 iP	55 25.10	0.2		e	03 48.00		5.0mb (9 obs.)	
PGC	70.43	354 eP	55 30.00	1.0	OHR	137.51	52 ePKP	03 39.00	SOUTH OF MARIANA ISLANDS	(210)
PNT	70.78	356 eP	55 31.00	-0.2	CFR	141.28	44 ePKPc	03 45.00	LAT	19.14 165 eP
SOB1	71.24	93 eP	55 34.60	-0.2	LZH	143.91	302 iPKPd	03 48.50	PMG	21.83 166 e(P)
SES	71.75	2 ePd	55 37.00	-0.1		1.5s	57.00nm		MAT	24.72 353 (P)
BNH	76.70	30 eP	56 05.50	-0.3	E 20s		1.09um			0.9s 11.76nm
FFC	76.76	7 eP	56 05.00	-0.9		pP	03 54.00		OIS	32.40 184 iPc
	1.6s	61.00nm		5.4mb	KHL	144.73	54 iPKP	03 50.10	WBZ	32.60 194 eP
NVL	80.56	164 ePc	56 27.00	0.5	ALT	144.94	52 ePKP	03 46.50	BJI	36.11 325 eP
		ePcP	56 38.00		ELL	145.48	56 iPKP	03 54.60		1.2s 30.00nm
		e	56 47.00		BCK	145.80	55 iPKP	03 51.10	Z	28s 0.69um
		(S)	06 37.00		LOE	145.89	269 ePKP	03 55.00	BRS	40.48 165 iPd
YKA	83.82	360 eP	56 42.90	-0.4	KMI	145.95	283 PKPc	03 55.00	DZM	41.43 145 iPd
	1.2s	11.40nm		5.0mb		Z 24s	1.60um	5.7MsZx	STK	43.59 181 eP
BALM	85.44	347 ePd	56 51.70	0.0	PPCY	147.89	58 ePKP	04 02.20		0.6s 3.00nm
SLKM	86.89	343 eP	56 57.70	-1.0	BDT	148.39	268 ePKP	03 59.90	YAK	50.77 353 iPd
PMR	87.52	344 eP	57 01.20	-0.5	CSS	148.65	58 ePKP-	04 02.00	GUN	54.69 296 P
	1.5s	3.20nm		4.4mb	CHTO	148.77	271 iPKP	04 03.70		0.7s 36.00nm
FBA	90.03	346 eP	57 13.20	-0.4	ADI	150.67	61 iPKPd	04 07.20	PKI	55.07 295 P
	1.2s	21.21nm		5.3mb	MML	150.99	62 iPKPd	04 08.10	KKN	55.20 296 P
STK	90.07	236 eP	57 15.90	1.3	MBH	151.08	67 ePKP	04 08.50	DMN	55.34 295 P
	1.3s	1.80nm		4.1mb X	HOL	151.30	68 ePKP	04 04.00	GKN	55.79 296 P
INK	90.77	353 eP	57 16.50	-0.3	SHL	155.76	284 ePKP	04 09.00	FBA	70.86 25 eP
MBC	97.69	359 eP	57 54.00	5.7X	KKN	161.25	293 PKP	04 00.00 -15.3X	INK	76.91 22 eP
MFF	121.81	8 ePKP	03 07.70	-1.0	MAIO	164.39	19 ePKP	04 20.00	MAIO	77.06 305 eP
	1.0s	8.00nm				S.D. = 1.0	on 95 of 116 obs.	MBC	80.51 14 eP	
EPF	122.20	52 ePKP	03 08.90	-0.7	% JUN 30, 1991	02h 07m 14.44± 0.77s			1.0s 4.00nm	4.4mb
	0.8s	10.75nm				39.341 N ± 6.1km	27.833 E ± 8.9km		FHC	85.26 49 ePDIF
LSF	122.99	48 ePKP	03 09.70	-1.3	DEPTH = 10.0km	(geophysicist)			YKA	85.56 27 eP
	0.8s	5.35nm			TURKEY		(366)			1.0s 5.50nm
TCF	123.45	48 ePKP	03 10.60	-1.3	MD 3.1 (ISK).				WDC	86.38 49 ePDIFc45
	1.0s	4.00nm							PNT	86.40 40 iP
BGF	123.88	48 ePKP	03 11.50	-1.2	EDC	1.00 1 ePn	07 33.50 0.0		MIN	87.13 50 ePDIF
	0.8s	8.05nm			BNT	1.02 4 ePn	07 33.50 -0.2		ORV	87.39 50 ePDIF
AVF	124.21	47 ePKP	03 11.70	-1.6	IZM	1.04 205 ePn	07 34.00 -0.1		MHC	87.79 52 ePDIF
	0.8s	3.35nm			EZN	1.26 293 iPn	07 38.00 0.1		PRS	88.23 53 ePDIF
SSF	124.29	47 ePKP	03 12.00	-1.5	KHL	1.67 127 ePn	07 44.00 0.1		NEW	88.27 41 iP
	0.8s	4.05nm				S.D. = 0.2	on 5 of 5 obs.			1.0s 12.75nm
SNF	124.44	43 PKP	03 22.40	8.8X	JUN 30, 1991	02h 33m 15.13± 0.60s			LLA	88.50 53 ePDIF
LOR	124.52	47 ePKP	03 12.60	-1.3	43.067 N ± 7.4km	0.080 W ± 3.6km			CMB	88.59 52 ePDIFc46
	0.8s	4.05nm			DEPTH = 10.0km	(geophysicist)			PRI	88.83 53 ePDIF
Z 20s		0.28um		4.9MsZ	PYRENEES		(378)		FRI	89.37 52 ePDIF
SMF	124.56	48 ePKP	03 12.70	-1.3	ML 3.0 (LDG). Felt (IV) Lourdes,				SYF	89.77 55 eP
	0.8s	6.05nm			Asson and Argeles-Gozost,				ISA	90.67 53 eP
LBF	124.62	47 ePKP	03 12.80	-1.4	France.				TNP	91.00 51 iP
	0.9s	6.55nm			BTH	0.11 301 iPgd	33 18.40 0.4			1.0s 15.00nm
DOU	124.69	43 PKP	03 19.10	5.0X	JAU	0.21 262 Pg	33 19.93 0.1		CLC	91.32 53 eP
	0.9s	10.00nm				Sg	33 23.33		SES	91.38 38 ePd
NB2	125.64	29 PKP	03 20.00	4.2X	OGE	0.31 289 Pg	33 21.40 -0.1		MWC	91.38 55 eP
	0.8s	2.20nm				Sg	33 26.49		SBB	91.44 54 eP
BSF	126.43	46 ePKP	03 16.40	-1.4	EPF	0.31 97 Pg	33 21.80 0.2		LRM	92.05 42 eP
	1.0s	6.00nm				Sg	33 27.10		GSC	92.08 53 eP
LRG	126.58	51 ePKP	03 17.40	-0.6	ESCF	0.36 272 Pg	33 22.59 0.0		PEC	92.19 55 eP
	1.2s	23.80nm				Sg	33 27.29		GLA	94.30 55 eP
Z 20s		0.25um		4.9MsZ	LHE	0.43 249 Pg	33 23.96 0.1		FFC	94.64 32 eP
LPL	126.66	49 ePKP	03 18.40	-0.1	ATE	0.46 273 Pg	33 24.26 -0.2			1.2s 14.00nm
	0.8s	6.70nm				Sg	33 30.61		ARE	147.21 102 e(PKP)
LPG	126.68	49 ePKP	03 18.50	-0.1	ISSF	0.53 266 Pg	33 25.52 -0.3		ZOBO	150.45 102 PKP
	0.8s	10.75nm			MADF	0.55 278 Pg	33 26.34 0.1			0.9s 17.30nm
LMR	126.70	51 ePKP	03 17.40	-0.9		Sg	33 34.01		LPB	150.45 102 PKP
	1.2s	11.90nm			LPO	1.86 29 Pn	33 47.80 0.6		CNCB	150.54 103 PKP
HFS	127.11	30 ePKP	03 16.50	-2.0X		Pg	33 50.70			i 53 08.20
MOX	129.01	42 ePKP	03 23.00	0.5		Sg	34 13.30		CCH	152.22 105 PKP
		e	03 32.00		LFF	1.96 17 Pn	33 49.70 0.9			S.D. = 1.1 on 42 of 49 obs.
CLL	129.69	40 ePKP	03 24.00	0.3		Pg	33 52.90		JUN 30, 1991	03h 08m 14.27± 0.18s
	1.6s	20.00nm			CAF	2.42 39 Pn	33 54.40 -1.0		14.371 S ± 3.5km	13.562 W ± 3.7km
WTTA	129.76	46 ePKP	03 24.00	-0.2		Pg	34 01.20		DEPTH = 10.0km	(geophysicist)
	1.3s	32.80nm				Sg	34 01.20		5.3mb (61 obs.)	5.5MsZ (19 obs.)
		i	03 33.00		RJF	2.51 27 Pg	34 02.50 5.8X		SOUTH ATLANTIC RIDGE	(410)
BRG	130.38	41 ePKP	03 25.80	0.8		Sg	34 31.30		Mo=1.0*10**18 Nm (PPT).	
	1.6s	23.00nm			LSF	3.38 19 Pn	34 08.20 -0.8		CENTROID, MOMENT TENSOR	(HRV)
		e	03 34.70			Pg	34 18.50		Doto Used: GDSN	
BHG	130.49	45 ePKP	03 26.10	0.7						
KHC	130.61	43 iPKPc	03 26.20	0.6						
	1.4s	14.70nm								

FUO	62.84	284	eP	18	41.00	-2.4
BOG	62.88	283	eP	18	45.00	1.3
			eS	27	15.00	
SSF	63.04	13	iPd	18	43.70	-0.1
	1.2s		38.70nm			5.5mb
LBF	63.07	13	iPd	18	43.60	-0.4
	1.0s		12.00nm			5.0mb
LPF	63.12	9	iPd	18	44.00	-0.2
	1.2s		41.65nm			5.5mb
LOR	63.31	13	iPd	18	45.10	-0.5
	1.0s		10.00nm			5.0mb
Z	20s		3.50um			5.5MsZ
MDI	63.46	18	P	18	45.65	-0.8
	2.2s		345.40nm			6.2mb
GRR	63.49	9	iPd	18	46.30	-0.4
	1.2s		50.60nm			5.6mb
LIT	63.72	30	iPd	18	48.21	-0.2
LDF	63.81	10	eP	18	48.40	-0.4
	0.8s		10.75nm			5.1mb
HOL	63.91	47	iP	18	50.70	0.9
FLN	63.92	10	eP	18	48.90	-0.6
	1.2s		20.85nm			5.2mb
Z	20s		5.50um			5.7MsZ
LOMF	64.10	15	P	18	49.97	-0.9
PAIG	64.18	31	iPc	18	54.86	3.5X
GRG	64.34	30	ePd	18	50.60	-1.8
BBS	64.38	16	P	18	51.82	-0.8
BSF	64.53	15	eP	18	52.70	-1.0
	0.8s		8.05nm			5.0mb
HAU	64.59	15	eP	18	53.20	-0.7
	1.0s		12.00nm			5.0mb
Z	20s		4.00um			5.6MsZ
MOF	64.64	15	P	18	52.96	-1.4
SKO	64.68	28	eP	18	54.00	-0.6
Z	20s		2.47um			5.4MsZ
N	20s		2.16um			
E	20s		2.31um			
			e	28	37.00	
			e	34	46.00	
			LR	46	23.00	
VITF	64.70	14	P	18	53.88	-0.7
SOH	64.70	30	ePc	18	55.00	0.2
TRI	64.70	21	iPd	18	54.50	-0.2
			e	27	36.00	
			e	39	00.00	
VAY	64.70	29	iP	18	53.40	-1.3
KNT	64.74	30	ePd	18	55.13	0.1
FEL	64.89	16	P	18	55.07	-1.0
PSQ	64.96	278	eP	18	57.00	-0.5
ECH	64.98	15	P	18	55.67	-0.8
SRS	65.04	30	ePc	18	56.70	-0.2
FVI	65.15	20	P	18	55.50	-2.0
CDF	65.19	15	P	18	56.66	-1.3
WLS	65.21	15	P	18	57.06	-1.0
WTTA	65.38	19	iPc	18	58.90	-0.4
	1.2s		54.30nm			5.6mb
			i	19	08.00	
			i	19	39.40	
			i	21	13.30	
GWf	65.81	15	P	19	01.29	-0.5
FUR	66.07	18	eP	19	02.90	-0.6
Z	18s		4.00um			5.7MsZ
DOU	66.15	13	Pc	19	03.60	-0.3
Z	22s		2.50um			5.4MsZ
			S	27	53.00	
			e	29	10.00	
			SS	32	02.00	
			SSS	35	10.00	
BHG	66.17	19	eP	19	03.00	-1.1
SNF	66.47	12	P	19	06.00	0.1
ECP	66.56	5	eP	19	06.70	0.3
ECB	66.72	5	eP	19	08.80	1.4
UCC	66.76	12	P-	19	07.00	-0.8
			S	28	03.00	
KMR	66.87	20	iP-	1		

VKA 67.79 21 iPd 19 14.10 -0.3
4.0s 657.00nm 6.2mb X
Z 20s 1.50um 5.2MsZ
e 21 56.00
LR 48 37.00
GZR 67.97 27 iPc 19 25.00 9.4X
ZST 68.01 22 iP 19 16.00 0.3
BUD 68.12 23 eP 19 16.70 0.3
SRO 68.13 23 iP 19 16.10 -0.4
DBN 68.16 12 eP 19 17.00 0.4
Z 20s 1.90um 5.3MsZ
ePPP 23 37.00
eS 28 24.00
DMU 68.23 4 eP 19 17.10 0.1
1.0s 70.00nm 5.8mb
WTS 68.41 13 eP 19 18.00 -0.1
1.0s 30.00nm 5.4mb
BUC 68.74 29 iPc 19 23.00 2.7X
PSZ 68.82 23 iP 19 20.80 -0.1
CMP 68.89 28 ePc 19 22.00 0.7
UPA 69.42 285 eP- 19 25.20 0.2
Z 19s 4.27um 5.7MsZ
EKA 69.99 6 P 19 27.00 -0.7
1.0s 36.20nm 5.5mb
SPC 69.99 23 eP 19 28.20 0.0
BMR 70.07 26 ePc 19 30.00 1.6
VRI 70.12 29 ePd 19 28.00 -0.8
CFR 70.29 30 eP 19 30.00 0.2
MAW 71.64 157 eP 19 38.60 0.9
1.4s 110.00nm 5.8mb
COP 73.14 15 eP 19 48.00 1.4
iS 29 20.00
TAB 76.57 45 eP 20 14.00 7.1X
NB2 77.71 12 P 20 13.20 0.6
1.0s 17.40nm 5.1mb
UPP 78.14 15 iP 20 14.30 -0.6
i 30 10.00
i 35 03.00
IR1 78.37 49 ePc 20 18.00 1.1
IR7 78.44 48 ePc 20 18.00 0.7
IR4 78.44 49 ePc 20 18.00 0.7
BNH 78.61 322 eP 20 18.80 0.9
TBR 78.64 318 eP 20 18.50 0.4
CBN 79.34 314 eP 20 22.00 0.1
AKU 79.89 358 iP 20 27.50 3.2X
1.0s 20.00nm 5.0mb
JSC 80.43 309 eP 20 28.90 1.0
NUR 80.65 18 iP 20 28.80 0.3
0.8s 17.60nm 5.1mb
BLA 81.05 312 P 20 31.90 0.7
1.1s 33.75nm 5.3mb
OBN 81.08 27 iPd 20 30.80 0.0
1.0s *****nm 8.3mb X
Z 20s 2.20um 5.5MsZ
N 20s 1.20um
E 20s 1.50um
ePcP 20 41.00
e 22 44.00
ePP 23 40.00
eS 30 44.00
ePS 31 34.00
eSS 35 48.00
eSSS 39 32.00
SCH 82.26 332 eP 20 37.00 0.0
CLE 83.67 316 iP 20 45.00 0.4
MAIO 85.25 51 iPd 20 53.90 1.1
SQD 86.61 14 eP 20 59.00 0.3
SBA 87.95 180 iPc 21 07.50 2.4
FRB 88.49 339 eP 21 08.00 0.2
KEV 88.57 13 eP 21 15.00 6.9X
FVM 88.69 310 P 21 08.60 -0.7
1.2s 201.47nm 6.3mb
DAG 91.01 359 iPd 21 21.90 2.6X
0.9s 8.40nm 5.1mb
TUL 92.16 306 eP 21 24.90 -0.6
1.0s 15.20nm 5.3mb
Z 18s 1.10um 5.3MsZ
LR 51 05.00
MEO 94.06 305 iPd 21 43.50 9.2X
RSSD 100.19 313 Pd diff 22 02.00 -0.3
2.0s 30.05nm 5.5mb
ALO 100.42 303 ePd diff 22 03.60 0.1X
2.0s 35.29nm 5.6mb
Z 22s 1.67um 5.5MsZ
LZH 120.40 56 ePKP 27 05.00 -3.1X
Z 28s 3.23um 5.8MsZ
N 26s 2.36um

PP 28 38.00
i 38 26.00
i 45 54.00
YAK 125.72 20 ePKP 27 15.80 -1.5
e 28 09.00
STK 128.21 153 iPKPd 27 23.60 0.5
0.8s 2.50nm
BJI 129.32 50 ePKP 27 25.00 0.1
Z 28s 1.72um 5.6MsZ
ePP 29 44.00
PKS 30 49.00
e 41 12.00
e 42 28.00
eSS 47 20.00
WRA 133.53 136 PKP 27 33.00 -0.5
1.1s 1.60nm
PMG 149.60 140 ePKP 28 07.00 5.2X
S.D. = 0.8 on 176 of 195 obs.
* JUN 30, 1991 03h 12m 14.49±2.31s
31.666 S ±23.7km 70.025 W ±20.1km
DEPTH = 23.8 ± 8.4 km
CHILE-ARGENTINA BORDER REGION (127)
RTCB 1.06 81 eP 12 34.60 0.7
ZON 1.15 84 iPd 12 36.00 0.7
eS 12 51.00
RTLL 1.37 76 iPc 12 37.20 -1.1
S 12 54.40
MDZ 1.57 141 iP 12 40.50 -0.7
SAN 1.86 197 eP 12 46.30 0.9
iS 13 10.80
PCH 1.99 192 eP 12 47.70 0.4
iS 13 14.00
TACH 2.13 201 iPd 12 49.70 0.5
iS 13 16.00
LNV 2.56 207 iPc 12 54.00 -1.4
iS 13 25.00
S.D. = 1.2 on 8 of 8 obs.
JUN 30, 1991 03h 16m 59.70±0.72s
43.509 N ± 8.2km 18.581 E ± 7.3km
DEPTH = 10.0km (geophysicist)
YUGOSLAVIA (383)
HVAR 1.59 259 iPn 17 26.60 -1.4
iSq 17 50.90
SKO 2.61 125 ePn 17 41.50 -1.1
OHR 2.91 145 ePn 17 48.20 1.3
ZAG 2.96 322 ePn 17 48.00 0.5
PTJ 3.03 323 ePn 17 48.00 -0.7
eSn 18 35.90
VBY 3.10 311 eP 17 49.50 -0.1
i 17 52.50
i 17 55.80
VAY 3.67 125 ePn 18 01.60 3.8X
CEY 3.71 308 eP 18 02.50 4.2X
LJU 3.84 313 eP 18 03.00 2.9X
i 18 09.70
e 18 58.20
eS 27 44.00
SDI 3.95 244 P 18 01.50 -0.2
AQU 3.97 255 P 18 02.60 0.6
MGR 4.06 215 P 18 09.00 5.9X
TRI 4.08 304 eP 18 13.30 9.8X
i 19 18.00
ARV 4.10 272 P 18 14.60 10.8X
VOY 4.18 309 eP 18 04.70 -0.3
e 18 53.90
TDS 4.20 204 P 18 16.20 11.0X
ASS 4.34 266 P 18 06.90 -0.4
MNS 4.48 257 P 18 00.10 -9.0X
ZST 4.80 348 eP 18 28.40 14.7X
CRE 4.82 274 P 18 14.60 0.5
SFI 4.90 277 P 18 14.70 -0.3
BDI 5.81 278 P 18 18.00 -10.0X
BOB 6.69 284 P 18 30.80 -9.7X
MDI 6.72 293 P 18 42.60 1.8
S.D. = 1.0 on 13 of 24 obs.
* JUN 30, 1991 04h 19m 38.25±2.74s
45.128 N ±28.3km 3.011 E ±23.2km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.7 (LDG).
CAF 0.70 254 Pg 19 51.20 -0.9

Sg 20 00.70
RJF 1.07 280 Pn 19 58.60 0.2
Pg 19 59.60
Sg 20 12.60
LPO 1.37 252 Pg 20 04.20 0.8
Sg 20 20.80
SMF 1.62 21 Pn 20 06.90 -0.1
Pg 20 08.80
Sg 20 30.60
LOR 2.22 15 Pg 20 20.50 4.8X
Sg 20 48.70
EPF 2.85 223 Pg 20 28.60 4.0X
Sg 21 05.50
S.D. = 1.3 on 4 of 6 obs.
? JUN 30, 1991 04h 24m 19.91±2.65s
15.257 N ± 6.7km 60.714 W ±41.0km
DEPTH = 33.0km (normol)
LEEWARD ISLANDS (92)
ML 2.3 (FDF).
CRM 0.54 201 eP 24 31.46 0.4
S 24 41.20
FDF 0.67 219 iPc 24 32.81 -0.2
0.1s 2.80nm
S 24 43.40
BIM 0.81 205 eP 24 34.68 -0.3
S 24 46.50
MGG 0.88 319 eP 24 36.00 0.2
S 24 48.50
DEG 1.10 342 eP 24 39.00 -0.1
S.D. = 0.4 on 5 of 5 obs.
? JUN 30, 1991 04h 32m 35.88±8.12s
18.876 N ±43.5km 64.705 W ±61.0km
DEPTH = 10.0km (geophysicist)
VIRGIN ISLANDS (91)
LPR 1.24 243 P 32 59.00 0.0
CPD 1.42 234 P 33 01.90 0.2
SJC 1.57 241 iP 33 03.70 -0.1
CLLP 1.95 246 P 33 09.20 -0.1
PORP 2.01 246 P 33 10.20 0.0
LRS 2.11 254 P 33 12.00 0.3
MGP 2.42 249 P 33 15.90 -0.3
S.D. = 0.2 on 7 of 7 obs.
* JUN 30, 1991 04h 54m 42.25±0.72s
8.991 N ±13.0km 127.132 E ±15.6km
DEPTH = 33.0km (normol)
4.4mb (6 obs.)
PHILIPPINE ISLANDS REGION (248)
MAP 3.38 293 eP 55 34.50 0.5
eS 56 02.00
KGM 24.68 255 ePc 00 03.60 1.9
WB2 29.62 166 eP 00 45.80 -1.1
i 00 00.00
OIS 31.82 157 iPd 01 06.60 0.2
1.0s 34.00nm 5.2mb X
i 01 19.60
BJI 32.43 344 eP 01 11.50 0.1
ASPA 33.12 169 iPd 01 17.20 -0.5
1.1s 7.10nm 4.5mb
SHL 37.32 301 eP 01 51.50 -2.2
STK 42.93 162 eP 02 40.50 0.8
1.4s 1.90nm 3.6mb
GBA 48.88 280 Pc 03 26.60 -0.6
0.7s 4.10nm 4.6mb
MBC 86.77 13 eP 07 26.00 2.0
1.0s 5.00nm 4.7mb
HFS 93.57 333 eP 07 55.30 -0.8
0.5s 0.70nm 4.3mb
NB2 94.27 334 P 07 59.00 -0.4
0.7s 0.90nm 4.3mb
YKA 94.57 24 eP 08 14.80 14.2X
0.7s 1.00nm
S.D. = 1.3 on 12 of 13 obs.
* JUN 30, 1991 05h 20m 34.50±2.87s
33.192 S ±20.1km 68.644 W ±27.3km
DEPTH = 24.5 ± 7.9 km
MENDOZA PROVINCE, ARGENTINA (139)
MDZ 0.35 331 iP 20 42.20 -0.2
iS 20 49.70
PCH 1.62 254 iPd 21 01.20 -0.7

30d 05h

ZON	1.64	359	eP	21 23.50	-0.2
RTCB	1.71	356	ePc	21 02.00	0.8
			S	21 29.00	
SAN	1.71	261	eP	21 03.50	0.4
			e	21 27.60	
			i	21 28.90	
RTLL	1.86	5	iPd	21 05.00	-0.4
			S	21 30.70	
TACH	1.97	256	iPc	21 06.80	-0.1
			iS	21 34.00	
LNV	2.43	251	eP	21 14.00	0.6
			e	21 46.50	

S.D. = 0.7 on 8 of 8 obs.

? JUN 30, 1991 05h 40m 16.86±3.39s
17.604 S ±46.3km 179.991 W ±33.8km
DEPTH = 640.1 ± 35.6 km
4.7mb (4 obs.)

FIJI ISLANDS REGION (181)

DZM	13.51	249	iPc	43 09.90	-0.3
COO	28.64	238	iPc	45 26.80	-0.1
	0.4s	12.00nm		4.9mb	
RMQ	30.22	247	iPc	45 41.10	0.9
STK	37.47	240	iPd	46 40.50	0.4
	0.6s	9.10nm		4.5mb	
WB2	43.19	259	iPc	47 25.80	0.0
WRA	43.20	259	P	47 26.00	0.1
	0.6s	9.10nm		4.4mb	
ASPA	43.43	254	iPd	47 27.60	0.0
	0.7s	75.20nm		5.3mb	
FORR	48.75	244	eP	48 07.00	-0.7
NANU	60.36	254	eP	49 28.00	-0.6
FLN	148.92	1	ePKP	58 50.00	-0.3
LDF	149.09	0	ePKP	58 50.50	-0.1
GRR	149.29	1	ePKP	58 51.00	0.1
LPF	149.64	1	ePKP	58 51.90	0.5
	0.3s	2.15nm			
LOR	150.25	355	ePKP	58 54.00	1.6X
	0.3s	1.50nm			
SSF	150.48	355	ePKP	58 54.60	1.8X
	0.4s	1.70nm			
LBF	150.52	354	ePKP	58 54.40	1.5X
MFF	151.08	0	ePKP	58 55.30	1.6X
TCF	151.34	357	ePKP	58 55.70	1.6X
LSF	151.41	358	ePKP	58 56.00	1.8X

S.D. = 0.5 on 13 of 19 obs.

? JUN 30, 1991 05h 55m 11.71±1.26s
47.928 N ±21.4km 150.136 E ±33.1km
DEPTH = 33.0km (normal)
4.2mb (3 obs.)

KURIL ISLANDS (221)

KUSJ	6.15	220	eP	56 42.40	-0.2
			eS	57 41.70	
ASAJ	6.46	237	eP	56 56.20	9.3X
HOOJ	7.36	224	eP	56 59.70	0.2
			eS	58 13.70	
YKA	51.18	36	eP	04 13.30	0.0
	0.5s	0.90nm		4.0mb	
NB2	66.44	340	P	05 59.60	0.2
	0.7s	1.30nm		4.1mb	
HFS	66.62	338	eP	06 00.30	-0.2
	0.4s	1.60nm		4.5mb	

S.D. = 0.3 on 5 of 6 obs.

? JUN 30, 1991 06h 17m 17.43±1.34s
45.656 N ±16.9km 15.662 E ±10.1km
DEPTH = 10.0km (geophysicist)

YUGOSLAVIA (383)

ZAG	0.28	54	iPg	17 23.70	0.5
			iSg	17 28.30	
PTJ	0.32	40	iPg	17 23.60	-0.5
			eSg	17 28.90	
VBY	0.32	242	e(Pg)	17 24.00	-0.1
			iSg	17 28.50	
LJU	0.88	297	e(Pg)	17 34.50	0.2
			e(Sg)	17 48.50	

S.D. = 0.7 on 4 of 4 obs.

% JUN 30, 1991 06h 58m 09.02±1.64s
45.010 N ±12.4km 3.129 E ±14.0km
DEPTH = 10.0km (geophysicist)

FRANCE (538)

ML 2.6 (LDG).

CAF	0.76	264	Pg	58 23.00	-0.9
			Sg	58 32.60	
RJF	1.18	285	Pn	58 30.30	-0.7
			Pg	58 31.10	
			Sg	58 42.60	
MAF	1.27	342	Pg	58 35.60	2.9X
			Sg	58 52.10	
LPO	1.42	257	Pg	58 36.10	1.2
			Sg	58 52.60	
BGF	1.56	353	Pn	58 36.40	-0.4
			Pg	58 37.90	
			Sg	58 56.40	
LSF	1.67	318	Pn	58 38.00	-0.5
			Pg	58 39.60	
			Sg	58 59.10	
LFF	1.70	268	Pg	58 40.50	1.7
			Sg	59 01.00	
SMF	1.71	17	Pn	58 39.60	0.6
			Pg	58 41.40	
			Sg	59 02.40	
AVF	1.79	5	Pn	58 39.80	-0.3
			Pg	58 43.00	
			Sg	59 04.30	
LBF	2.06	16	Pg	58 47.60	3.5X
			Sg	59 12.60	
SSF	2.07	7	Pg	58 48.80	4.6X
			Sg	59 13.30	
LOR	2.31	12	Pg	58 52.80	5.0X
			Sg	59 20.60	
MFF	2.79	306	Pg	59 01.20	6.7X
			Sg	59 33.00	
EPF	2.82	226	Pn	58 53.80	-1.2
			Sg	59 38.00	

S.D. = 1.2 on 9 of 14 obs.

? JUN 30, 1991 08h 24m 22.69±1.04s
50.087 N ±18.7km 18.866 E ± 8.1km
DEPTH = 5.0km (geophysicist)

POLAND (548)

ML 2.8 (KRA).

KRA	0.69	92	iPg	24 36.00	-0.5
			iSg	24 45.30	
SPC	1.27	135	iPn	24 47.50	0.7
			iSg	25 00.30	
KSP	1.81	296	iPg	24 55.50	0.7
			iS	25 18.00	
ZST	2.22	212	e(P)	25 36.40	35.7X
VKA	2.47	223	eP	25 39.00	34.7X
			e(Sg)	25 46.00	
			i	25 48.80	
PRU	2.79	270	Pg	25 12.00	3.2X
			Sg	25 40.60	
BRG	3.24	286	ePg	25 23.00	7.8X
			iSg	26 05.00	
KHC	3.57	256	ePn	25 19.00	-0.9
			Pg	25 29.50	
			e	25 47.50	
			Sg	26 17.50	

S.D. = 1.4 on 4 of 8 obs.

JUN 30, 1991 08h 27m 34.03±1.39s
16.908 N ±13.2km 100.501 W ± 9.2km
DEPTH = 53.8 ± 9.7 km
4.4mb (10 obs.)

NEAR COAST OF GUERRERO, MEXICO (58)
Felt in Guerrero.

ACX	0.62	93	iP	27 46.00	-1.0
			iS	27 56.00	
III	1.76	34	iP	28 03.50	0.7
			iS	28 27.00	
UNM	2.72	27	iP	28 18.00	1.6
			(S)	28 56.00	
TAC	2.78	26	(P)	28 15.50	-1.8
			(S)	28 55.00	
PPM	2.79	39	iP	28 18.00	0.3
			iS	28 52.00	
MRX	2.86	347	iP	28 18.50	0.3
			iS	28 55.00	
IIT	2.96	44	iP	28 19.90	0.0
			(S)	29 08.00	
OXX	3.62	87	iP	28 30.00	0.9
			(S)	29 12.00	
CGX	3.95	315	iP	28 34.00	0.2

(S) 29 27.00

ALQ	18.73	345	eP	31 50.90	-0.3
	1.0s	7.25nm		3.8mb	
ANMO	18.74	345	eP	31 50.70	-0.5
	0.7s	3.94nm		3.7mb	
TUL	19.38	12	ePc	31 56.70	-1.7
	0.6s	5.10nm		4.0mb	
GLA	20.63	324	eP	32 18.00	6.5X
TPC	22.09	324	eP	32 20.00	-6.2X
PEC	22.58	322	eP	32 38.00	7.0X
RVR	22.78	321	eP	32 37.00	4.1X
GOL	23.10	350	eP	32 39.70	3.4X
			e	32 45.60	
GSC	23.39	325	eP	32 37.00	-1.9
CLC	24.20	324	eP	32 48.00	1.2
ISA	24.59	323	eP	32 54.00	3.4X
TNP	25.70	328	ePc	33 01.70	0.6
	1.0s	6.25nm		4.1mb	
			e	33 10.00	
BW06	26.92	345	ePd	33 12.50	0.2
	1.0s	8.33nm		4.3mb	
			e	33 19.00	
LRM	30.51	343	eP	33 45.70	1.2
			e	33 52.20	
PNT	35.86	339	eP	34 39.00	8.5X
FFC	37.76	359	eP	34 46.00	-0.3
	0.8s	6.00nm		4.6mb	
YKA	46.60	351	eP	35 57.80	-0.5
	0.8s	5.00nm		4.5mb	
INK	55.48	346	eP	37 05.00	-0.3
FBA	57.43	338	eP	37 19.60	0.3
	1.0s	9.00nm		4.8mb	
			e	37 24.80	
SVW	58.77	332	e(P)	37 35.00	6.2X
	0.6s	5.91nm		4.9mb	
MBC	60.17	355	eP	37 39.00	0.9
	1.0s	7.00nm		4.7mb	
WRA	128.07	258	PKP	46 42.00	5.5X
	0.5s	2.50nm			

S.D. = 1.0 on 22 of 31 obs.

* JUN 30, 1991 08h 38m 26.57±0.87s
14.443 N ± 9.6km 119.649 E ±20.5km
DEPTH = 10.0km (geophysicist)
4.1mb (3 obs.)

LUZON, PHILIPPINE ISLANDS (249)

PGP	1.57	126	iPd	38 56.50	1.9
			iS	39 15.00	
SZP	3.19	14	ePc	39 17.50	-0.2
			iS	39 53.50	
PIP	3.97	13	ePc	39 27.50	-1.3
	1.0s	277.00nm			
BJI	25.68	354	eP	43 58.50	0.2
LZH	25.79	330	eP	44 01.50	1.9
	16s	0.29um		3.9mszX	
WRA	37.10	157	P	45 39.00	-0.1
	0.6s	2.20nm		4.1mb	
WB2	37.11	157	eP	45 37.90	-1.3
ASPA	40.36	160	eP	46 05.20	-1.1
	1.6s	3.60nm		3.8mb	
NB2	86.14	332	P	51 09.00	0.0
	0.8s	3.30nm		4.6mb	

S.D. = 1.4 on 9 of 9 obs.

* JUN 30, 1991 08h 51m 18.40s
60.177 N 152.776 W
DEPTH = 106.7km
SOUTHERN ALASK

AUE	0.87	200	ePd	51	51.05	-0.9	CIN	1.71	250	eP	04	41.00	-0.1	GRW	13.39	71	eP	21	09.25	-0.7
AUH	0.88	203	eP	51	37.74	-0.7		S.D. = 0.6	on	5	of	5	obs.	TBH	13.59	79	eP	21	11.60	-0.9
XLV	0.90	143	ePc	51	37.44	-1.1							BOT	14.05	76	eP	21	15.28	-3.2X	
			eS	51	53.15		? JUN 30, 1991	11h	52m	20.74±	1.17s		FCV	14.08	68	eP	21	18.90	0.0	
AUI	0.91	202	eP	51	37.93	-0.7		40.693 N ±11.1km		23.093 E ± 9.5km			SVB	14.11	68	eP	21	16.12	-3.2X	
			eS	51	52.63			DEPTH = 10.0km	(geophysicist)				SVV	14.16	67	eP	21	17.68	-2.3	
NKA	0.95	53	ePc	51	40.01	1.0	GREECE			(364)		SLB	14.50	66	eP	21	21.97	-2.5		
CNPM	1.02	129	ePd	51	38.93	-0.9						FDF	14.76	62	eP	21	24.00	-3.8X		
			eS	51	55.25		THE	0.11	238	ePd	52	23.62	0.0		0.1s	1.70nm			4.3mb	
CKL	1.05	12	iPc	51	39.58	-0.7				eS	52	25.22		NNA	20.08	186	iPc	22	32.80	0.1
			eS	51	56.31		SOH	0.24	57	ePc	52	26.06	0.2		0.7s	36.30nm			4.8mb	
SPU	1.07	19	iPc	51	39.59	-0.8	KNT	0.49	343	iPc	52	30.78	0.1			e(S)	26	45.00		
BGL	1.11	10	iPc	51	40.44	-0.5				eS	52	37.46		ARE	24.61	173	iPd	23	18.00	0.2
CRP	1.14	15	iPc	51	40.73	-0.6	SRS	0.57	42	ePc	52	31.98	-0.3		0.7s	19.18nm			4.7mb	
			eS	51	58.23			S.D. = 0.4	on	4	of	4	obs.	ZOBO	25.06	165	iPd	23	22.70	0.3
CGLM	1.20	18	ePc	51	41.08	-0.8								Z	20s	0.34um			3.9Msz	
NCG	1.27	14	ePc	51	42.05	-0.7		JUN 30, 1991	12h	04m	58.31±	0.70s			LR			31	08.00	
SLKM	1.31	74	eP	51	41.79	-1.4		37.634 N ± 7.4km		20.781 E ± 4.4km			LPB	25.32	165	Pd	23	25.20	0.5	
			eS	52	00.59			DEPTH = 33.0km	(normol)					1.0s	270.00nm				5.7mb	
CDD	1.33	200	eP	51	42.11	-1.2		3.8mb (3 obs.)					CNCB	25.61	165	iPd	23	28.00	0.4	
			eS	52	01.35		IONIAN SEA			(399)		CCH	26.68	162	P	23	37.80	0.7		
SYI	1.58	173	ePd	51	45.11	-1.3	ML 3.3 (ATH).					JSC	26.75	348	eP	23	38.00	0.7		
			eS	52	05.55		VLS	0.56	344	ePg	05	10.00	0.2			e	23	51.00	52km	
SUA	1.63	37	ePc	51	46.45	-0.7	AGG	1.85	41	ePd	05	30.28	2.1	SIV	27.45	151	Pd	23	41.80	-2.0
SEW	1.67	91	ePc	51	45.70	-1.7	IGT	1.93	350	ePd	05	33.84	4.5X	ANT	31.88	173	iPc	24	22.70	-0.5
SVW	1.68	305	ePd	51	46.28	-1.5	VLI	1.95	117	ePn	05	31.00	1.3			i	24	29.40	23kmX	
SKT	1.91	18	iPc	51	49.48	-1.1	KEK	2.21	340	ePb	05	39.00	5.6X			i	24	41.20		
			eS	52	14.27		ATH	2.35	81	ePn	05	34.10	-1.3	FVM	33.00	337	iP	24	32.20	-0.6
PMS	1.91	54	ePc	51	49.60	-1.0	KZN	2.78	16	ePn	05	42.80	1.3		1.0s	35.00nm			5.1mb	
PWA	2.05	42	ePc	51	51.20	-1.1	LIT	2.80	28	iPd	05	41.98	0.2			i	24	46.20	55km	
PLRM	2.28	50	eP	51	53.14	-2.2	FNA	3.18	8	ePc	05	48.05	0.9	TUL	33.76	328	eP	24	39.90	0.5
KNK	2.45	58	ePc	51	55.63	-2.1	THE	3.44	29	iPd	05	50.69	-0.2		0.8s	7.00nm			4.6mb	
			eS	52	24.70		OHR	3.47	0	ePn	05	50.20	-1.2	MEQ	34.48	324	iPc	24	43.60	-2.1
GHO	2.47	48	eP	51	55.88	-2.1	LCI	3.48	322	P	05	51.70	0.3	SOB1	37.75	116	eP	25	13.40	-0.2
LT1	2.47	91	ePc	51	55.68	-2.2	SOH	3.76	31	iPc	05	55.46	0.1	ALO	39.56	317	eP	25	28.00	-0.7
KNIM	2.52	84	ePc	51	55.46	-3.1	SOI	3.77	278	P	05	55.10	-0.3		0.9s	6.72nm			4.5mb	
CUT	2.54	27	eP	51	57.52	-1.3	KNT	3.89	24	iPd	05	57.42	0.2			e	25	42.20	55km	
MTU	2.57	92	eP	51	57.46	-1.9	VAY	3.93	20	ePn	05	57.60	-0.2	ANMO	39.56	317	e(P)	25	28.70	0.1
SML	2.71	51	eP	51	58.44	-2.8	CZI	3.98	295	P	05	59.00	0.5		1.2s	42.97nm			5.2mb	
VZW	3.19	71	eP	52	06.51	-1.2	TDS	4.02	302	P	06	04.20	5.0X	VAO	41.09	139	eP	25	40.50	-0.7
VLZ	3.31	70	eP	52	06.27	-3.0	SRS	4.10	31	ePd	05	59.98	-0.3			e	25	46.80	21kmX	
KLU	3.61	66	eP	52	10.46	-2.9	CSI	4.11	303	P	06	03.70	3.2X	GOL	41.78	324	iPd	25	47.00	0.1
TOA	3.74	56	eP	52	13.02	-2.2	ORI	4.16	307	P	06	05.20	4.1X		1.0s	40.00nm			5.1mb	
	44 obs. associated						ATN	4.24	279	P	06	02.70	0.5	RSSD	44.00	329	iPc	26	05.10	-0.4
? JUN 30, 1991	08h	58m	24.01±12.29s				BRT	4.27	321	P	06	02.00	-0.6		0.8s	36.06nm			5.2mb	
	39.669 N ±86.5km		51.441 E ±66.4km				SKO	4.36	6	ePn	06	03.50	-0.5	GLA	44.67	310	eP	26	11.00	0.8
	DEPTH = 10.0km	(geophysicist)								i	06	53.00		MSU	45.35	318	P	26	16.30	0.5
CASPIAN SEA			(338)				MMN	4.37	303	P	06	03.80	-0.3	DAU	45.80	321	P	26	19.60	0.2
	Felt at Tollesh, Iran.						MEU	4.69	265	P	06	07.50	-1.2	BAR	45.94	308	eP	26	19.00	-1.3
							MGR	4.78	303	P	06	11.20	1.3	TPC	46.03	310	eP	26	21.00	0.0
TEH	3.92	181	eP	59	34.00	8.2X	RDO	5.09	45	ePn	06	12.00	-2.2	BW06	46.17	324	ePd	26	21.50	-0.7
IR7	4.01	190	eP	59	27.00	0.0	MLR	8.75	25	eP	07	06.00	0.4		1.0s	15.00nm			4.9mb	
IR1	4.29	188	eP	59	31.00	0.1				e	13	21.30		PLM	46.35	309	eP	26	24.00	0.3
TAB	4.30	250	iPc	59	31.00	-0.1	HFS	22.97	351	eP	09	59.20	-1.4	DUG	46.67	319	P	26	26.30	0.2
IR4	4.44	186	eP	59	33.50	0.4		0.3s	1.10nm		3.8mb			0.7s	6.33nm				4.7mb	
IR5	4.50	189	eP	59	33.00	-0.9	EKA	23.99	325	P	10	11.00	0.5	SCH	47.00	6	eP	26	29.00	0.7
KER	6.34	215	eP	00	00.00	0.1		0.9s	2.80nm		3.8mb		GSC	47.09	311	eP	26	29.00	-0.5	
	S.D. = 0.6	on	6	of	7	obs.	NB2	24.19	349	P	10	10.90	-1.6	SBB	47.61	310	eP	26	30.00	-3.5X
								0.7s	1.20nm		3.5mb		PTI	47.89	323	P	26	35.30	-0.4	
% JUN 30, 1991	10h	00m	34.21±0.74s					S.D. = 1.0	on	27	of	32	obs.	CLC	47.90	312	eP	26	35.00	-0.7
	43.965 N ± 9.0km		10.960 E ± 5.6km										ISA	48.48	311	eP	26	40.00	-0.3	
	DEPTH = 10.0km	(geophysicist)					JUN 30, 1991	13h	18m	00.52±	0.21s		TNP	48.60	315	iPc	26	41.20	-0.1	
CENTRAL ITALY			(381)					8.106 N ± 3.9km		74.629 W ± 3.6km				0.8s	29.41nm				5.4mb	
								DEPTH = 51.7km	(10 depth phases)				BONR	49.31	314	P	26	47.10	0.2	
								4.8mb (38 obs.)				LRM	49.68	326	eP	26	49.20	-0.3		
BDI	0.28	291	P	00	39.90	-0.2	NORTHERN COLOMBIA			(99)					e	27	03.20	52km		
			eSg	00	45.90		BMG	1.85	124	iPc	18	33.50	3.0X	FFC	51.37	340	iPd	27	01.00	-1.0
MME	0.30	321	P	00	40.70	0.2	BOG	3.51	171	eP	18	58.00	3.8X		0.5s	6.00nm			4.9mb	
			eSg	00	47.70					iS	19	40.00		SES	51.86	331	ePd	27	05.30	-0.5
PII	0.40	233	P	00	42.40	0.0				iS	19	11.50	-2.5X			pP	27	19.00	51km	
			eSg	00	46.20		UPA	4.93	281	iPc	19	11.50			52.25	314	eP	27	08.20	-0.7
SFI	0.65	94	P	00	46.90	-0.2		0.6s	226.67nm				LBFM	53.26	316	P	27	15.50	-1.1	
CRE	0.79	115	P	00	49.90	0.2				iS	20	04.00		NEW	53.69	326	e(P)	27	18.30	-1.1
	S.D. = 0.3	on	5	of	5	obs.	PSO	7.38	201	eP	19	49.50	0.9		1.0s	5.00nm			4.5mb	
* JUN 30, 1991	10h	04m	11.13±0.91s				PCJ	9.89	346	eP	20	20.05	-2.9X	PNT	55.65	326	ePc	27	33.00	-0.7
	38.216 N ± 7.3km		30.104 E ± 9.1km				YHJ	9.89	350	eP	20	23.71	0.7		0.9s	14.00nm			5.0mb	
	DEPTH = 10.0km	(geophysicist)								eS	22	20.47		YKA	61.55	340	eP	28	12.50	-2.0
TURKEY			(366)				HOJ	10.05	348	eP	20	27.48	2.4X		0.5s	13.40nm			5.3mb	
										eS	22	05.22		LKO	68.13	83	P	28	57.00	-0.9
	MD 3.0 (ISK).						STH	10.14	348	ePc	20	27.99	1.7		0.8s	18.00nm			5.2mb	
										eS	22	06.73		TIC	68.97	86	P	29	02.70	-0.4
KHL	0.47	283	iPg	04	20.50	-0.2	SPJ	10.24	344	ePc	20	26.85	-0.8	LIC	69.01	86	P	29	03.00	-0.3
			iSg	04	28.10					eS	22	04.41		GUD	69.96					

30d 13h

ETOR	71.56	50 eP	29 30.00	50km	WB2	149.58	244 ePKP	37 42.40	0.4	SCM	1.59	240 eP	39 23.15	0.8
MBC	72.28	350 ePd	29 22.00	0.0		0.4s	59.50nm			VLZ	1.78	211 eP	39 24.98	0.1
	0.9s	31.00nm		5.2mb			i	37 46.00				eS	39 49.06	
LPF	73.05	42 eP	29 37.00	53km			e	38 00.80		VZW	1.90	213 eP	39 26.72	0.0
BTH	73.14	47 eP	29 31.00	3.4X	WRA	149.59	244 PKP	37 41.00	-1.0			eS	39 49.62	
GRR	73.21	42 eP	29 28.40	0.5		0.5s	33.30nm			BALM	1.91	148 eP	39 27.40	0.5
	0.5s	5.85nm		4.8mb	CHG	152.51	13 ePKP	37 53.50	7.2X	TGL	2.06	158 eP	39 30.01	0.9
MFF	73.50	44 eP	29 30.40	0.8		S.D. = 1.0	on 103 of 122 obs.			RND	2.15	292 eP	39 31.07	0.7
	0.7s	7.70nm		4.7mb						GLI	2.19	216 eP	39 31.10	0.2
FLN	73.50	42 eP	29 30.30	0.7		JUN 30, 1991	13h 19m 37.78±0.48s			KNK	2.27	238 eP	39 33.08	1.0
	0.9s	9.85nm		4.7mb		39.137 N ± 5.4km	25.888 E ± 4.6km			GHO	2.29	249 eP	39 33.84	1.5
EPF	73.53	48 eP	29 31.20	1.2		DEPTH = 18.7 ± 5.3 km				PLRM	2.46	246 eP	39 35.96	1.3
	0.7s	8.80nm		4.8mb		AEGEAN SEA		(365)		CUT	2.72	267 eP	39 40.39	2.0
LDF	73.72	42 eP	29 31.50	0.6		ML 3.4 (ATH). MD 3.7 (ISK).				TRF	2.78	289 eP	39 41.61	2.1
	0.6s	4.50nm		4.6mb						KNIM	2.81	216 eP	39 41.01	1.3
LFF	73.96	46 eP	29 33.10	0.7	PRK	0.32	70 ePb	19 45.00	0.3	PMS	2.81	242 eP	39 43.10	3.4
LPO	74.26	46 eP	29 34.70	0.6	EZN	0.77	26 iPg	19 53.50	1.2	LTJ	3.11	214 eP	39 43.90	0.1
RJF	74.54	45 eP	29 36.20	0.5	IZM	1.30	124 iPn	20 03.50	2.4	SKT	3.38	261 eP	39 50.21	2.4
	0.7s	5.50nm		4.6mb	ALN	1.76	4 ePc	20 08.16	0.6					
CAF	74.90	46 eP	29 38.60	0.7	EDC	1.94	51 ePn	20 03.80	-6.4X					
	0.7s	5.50nm		4.6mb	BNT	1.98	52 ePn	20 00.00	-10.8X					
TCF	75.09	44 eP	29 39.40	0.5	RDO	2.02	352 ePn	20 11.50	0.1					
	0.8s	3.35nm		4.3mb	ATH	2.06	236 ePb	20 13.80	1.9					
MAF	75.33	44 eP	29 40.80	0.5	CIN	2.31	131 eP	20 16.00	0.5					
BGF	75.55	44 eP	29 41.90	0.4	SRS	2.65	319 iPc	20 19.53	-0.8					
	0.7s	6.60nm		4.7mb	THE	2.70	305 ePd	20 21.62	0.6					
FBA	75.58	335 e(P)	29 40.50	-0.8	YER	2.75	136 ePn	20 25.50	3.7X					
	0.8s	13.79nm		4.9mb	AGG	2.77	269 iPd	20 22.36	0.3					
AVF	75.91	44 eP	29 43.80	0.3	LIT	2.80	291 ePc	20 22.16	-0.3					
SSF	76.03	44 eP	29 44.60	0.4	CTT	2.80	43 ePn	20 17.50	-4.9X					
SMF	76.24	44 eP	29 45.60	0.2	KHL	2.96	105 ePn	20 22.00	-2.7					
LOR	76.28	43 eP	29 45.90	0.3	DMK	3.04	27 iPn	20 23.50	-2.3					
	0.8s	5.35nm		4.6mb	KNT	3.06	312 ePd	20 26.16	0.1					
LBF	76.35	44 eP	29 46.30	0.3	KNT	3.06	312 ePc	20 27.50	1.4					
DOU	76.91	41 Pc	30 04.40	15.4X			eS	21 12.24						
	0.9s	17.50nm			ISK	3.10	51 ePn	20 30.00	3.3X					
PDB	77.79	329 P	29 52.60	-1.0	GRG	3.23	305 ePc	20 28.96	0.3					
ENN	77.79	40 eP	29 59.00	5.1X	ALT	3.29	90 ePn	20 24.00	-5.5X					
	0.8s	7.00nm		4.7mb	VAY	3.35	312 ePn	20 34.30	4.1X					
FRF	78.15	47 eP	29 57.00	1.0			i	20 40.60						
IMA	78.19	336 P	29 55.70	-0.3	HRT	3.36	59 ePn	20 31.00	0.6					
	1.0s	3.75nm		4.3mb	VLI	3.36	225 ePn	20 29.50	-0.9					
LPL	78.22	45 eP	29 58.10	1.5	KZN	3.38	291 ePn	20 30.00	-0.8					
LPG	78.23	45 eP	29 58.40	1.6	GPA	3.60	70 ePn	20 34.00	0.1					
BSF	78.29	43 eP	29 57.00	0.2	NPS	3.87	183 ePn	20 37.00	-0.7					
WTS	78.39	39 eP	29 59.00	1.9	SKO	4.42	311 ePn	20 45.00	-0.4					
	0.7s	11.00nm		5.0mb	MLR	6.35	0 ePc	21 13.00	0.2					
		e	30 22.00	87kmX	VRI	6.76	5 ePc	21 14.00	-4.4X					
CDF	78.62	42 eP	29 59.10	0.5		S.D. = 1.3	an 23 of 31 obs.							
SBF	78.72	47 eP	30 00.20	1.0										
	0.9s	11.45nm		4.8mb										
NB2	80.95	29 P	30 12.30	1.5		JUN 30, 1991	14h 13m 45.34±1.93s							
	0.8s	5.00nm		4.5mb		18.078 N ±21.8km	67.093 W ±17.5km							
WTTA	81.58	43 e(P)	30 15.00	0.5		DEPTH = 33.0km (normal)								
		e	30 30.00	52km		MONA PASSAGE		(89)						
HFS	82.20	30 eP	30 17.50	0.3										
	0.5s	1.90nm		4.4mb	MGP	0.07	177 P	13 51.00	0.0					
Z	17s	0.04um		3.8mszX	LRS	0.32	48 P	13 53.50	0.1					
CLL	82.26	39 eP	30 33.00	15.3X			S	14 20.50						
	1.9s	28.00nm			PORP	0.43	93 P	13 56.00	1.0					
KHC	82.76	41 P	30 18.00	-2.5	CLLP	0.49	90 P	13 56.80	1.0					
	1.0s	3.90nm		4.4mb	SJG	0.90	88 iP	14 00.70	-0.9					
		e	30 26.50	27kmX	CPD	1.12	92 P	14 03.50	-1.3					
BRG	82.88	40 e(P)	30 22.70	1.8X	LPR	1.18	79 P	14 03.00	-2.7X					
	1.3s	11.00nm		4.7mb			S	14 40.00						
		e	30 35.00			S.D. = 1.2	on 6 of 7 obs.							
PRU	83.32	41 eP	30 25.20	1.9										
		e	30 38.90	47km		JUN 30, 1991	14h 38m 54.74s							
		e	31 18.30			62.662 N	144.429 W							
KEV	86.46	20 eP	30 54.00	15.5X		DEPTH = 17.1km								
SOD	86.88	22 iP	30 41.80	1.1		CENTRAL ALASKA		(1)						
MLR	91.62	44 eP	31 05.00	1.4		<AEIC>. ML 2.5 (AEIC).								
VRI	92.06	43 ePc	31 05.50	0.1	SDG	0.53	256 iP	39 05.56	0.3					
STK	138.87	230 ePKP	37 23.50	0.0			eS	39 13.37						
	0.7s	1.60nm			PAX	0.57	303 iP	39 05.94	0.0					
SHL	144.05	21 iPKP	37 30.50	-2.6X			iS	39 13.85						
OIS	144.69	246 iPKPd	37 32.00	-2.0	TZL	0.77	217 iP	39 09.91	0.5					
	0.8s	26.00nm					eS	39 21.55						
GBA	144.87	52 PKPc	37 34.60	0.2	TMW	0.93	44 iP	39 12.21	0.1					
	0.8s	29.40nm			THY	0.97	322 eP	39 13.83	1.1					
KOD	146.78	57 ePKP	37 40.00	1.9	TOA	0.99	236 iP	39 13.70	0.7					
ASPA	148.60	237 iPKPd	37 43.10	2.7X			eS	39 26.71						
					GLB	1.26	166 iP	39 16.71	-0.8					
							iS	39 33.19						
					KLU	1.37	212 iP	39 19.03	-0.1					
							eS	39 36.62						

OFF COAST OF NORTHERN CHILE (121)				
ARE	3.14	2 iPc	16 41.90	0.1
		iS	17 16.00	
ANT	4.22	165 iPd	16 56.80	0.0
CNCB	4.45	52 eP	17 02.00	1.3
		i	17 07.20	
LPB	4.55	48 P	17 08.00	6.1X
ZOBO	4.71	46 P	17 03.00	-1.4
		i	17 12.00	
CCH	5.66	68 eP	17 26.00	8.5X
NNA	9.09	326 eP	18 10.50	5.2X
	0.7s	4.11nm	4.7mb X	
		eS	19 46.00	
SIV	10.68	72 eP	18 27.00	-0.1
YKA	88.59	342 eP	28 54.70	11.1X
	0.8s	1.10nm		
S.D. = 1.3 on 5 of 9 obs.				
? JUN 30, 1991 15h 50m 18.48± 2.28s				
14.742 N ± 28.3km 93.073 W ± 10.1km				
DEPTH = 33.0km (normol)				
3.7mb (1 obs.)				
NEAR COAST OF CHIAPAS, MEXICO (69)				
TPX	0.80	78 iP	50 33.50	0.2
		iS	50 45.00	
SCX	2.03	12 iP	50 50.50	-0.5
		iS	51 11.50	
OXX	4.21	304 eP	51 25.00	2.8X
IISM	5.90	316 eP	51 47.00	1.1
IIT	6.57	311 (P)	52 01.50	5.9X
PPM	6.84	310 iP	52 00.00	0.4
III	7.12	301 (P)	52 02.00	-1.2
YKA	50.07	347 eP	59 21.20	9.3X
	0.8s	0.60nm	3.7mb	
S.D. = 1.3 on 5 of 8 obs.				
% JUN 30, 1991 16h 43m 29.76± 2.14s				
39.339 N ± 7.9km 16.752 E ± 19.3km				
DEPTH = 10.0km (geophysicist)				
SOUTHERN ITALY (390)				
ROI	0.27	329 P	43 36.10	0.6
TDS	0.45	315 P	43 38.50	-0.5
		eSg	43 43.00	
CZI	0.50	256 P	43 40.60	0.8
CSI	0.56	321 P	43 39.50	-1.7
ORI	0.76	342 P	43 45.80	1.2
MMN	0.81	313 P	43 48.80	3.4X
SOI	1.38	204 P	43 54.60	-0.4
S.D. = 1.4 on 6 of 7 obs.				
% JUN 30, 1991 17h 07m 10.54± 1.17s				
39.323 N ± 7.7km 16.860 E ± 8.8km				
DEPTH = 10.0km (geophysicist)				
SOUTHERN ITALY (390)				
ROI	0.34	318 P	07 17.70	0.2
TDS	0.53	310 P	07 20.20	-1.0
		eSg	07 29.80	
CZI	0.57	260 P	07 21.90	-0.2
CSI	0.63	316 P	07 21.40	-1.9
ORI	0.80	337 P	07 27.10	0.9
		eSg	07 37.90	
MMN	0.88	310 P	07 28.40	1.0
MGR	1.29	309 P	07 35.60	1.1
LCI	1.32	39 P	07 34.50	-0.3
		eSg	07 54.70	
SOI	1.40	207 P	07 36.20	0.2
S.D. = 1.1 on 9 of 9 obs.				
% JUN 30, 1991 18h 19m 20.78± 1.21s				
39.337 N ± 8.0km 16.821 E ± 9.1km				
DEPTH = 10.0km (geophysicist)				
SOUTHERN ITALY (390)				
ROI	0.31	320 P	19 27.50	0.3
TDS	0.49	311 P	19 30.10	-0.7
		eSg	19 39.70	
CZI	0.55	258 P	19 32.00	0.2
CSI	0.60	317 P	19 30.70	-2.2
ORI	0.78	339 P	19 37.30	1.3
MMN	0.85	311 P	19 40.40	3.3X
MGR	1.26	310 P	19 45.60	1.4
LCI	1.32	41 P	19 44.90	-0.3
SOI	1.40	206 P	19 46.30	0.0

SGO	1.69	317 P	19 50.40	0.0
S.D. = 1.3 on 9 of 10 obs.				
JUN 30, 1991 19h 04m 35.29± 1.28s				
39.311 N ± 8.6km 16.847 E ± 10.1km				
DEPTH = 10.0km (geophysicist)				
SOUTHERN ITALY (390)				
ROI	0.34	320 P	04 41.80	-0.5
		eSg	04 51.20	
TDS	0.53	312 P	04 44.00	-1.9
		eSg	04 55.00	
CZI	0.56	261 P	04 46.20	-0.5
		eSg	04 58.20	
ORI	0.81	338 P	04 51.50	0.5
MMN	0.88	311 P	04 54.80	2.7X
MGR	1.29	310 P	05 00.30	1.0
LCI	1.33	39 P	04 59.20	-0.6
		eSg	05 17.80	
SOI	1.38	207 P	05 00.60	0.0
SGO	1.72	317 P	05 07.30	1.9
S.D. = 1.4 on 8 of 9 obs.				
JUN 30, 1991 20h 09m 18.37± 0.33s				
42.424 N ± 8.0km 43.688 E ± 4.1km				
DEPTH = 10.0km (geophysicist)				
4.5mb (15 obs.) 3.1msz (2 obs.)				
WESTERN CAUCASUS (362)				
TAB	4.80	154 eP	10 41.00	8.5X
		i	10 49.00	
KVT	5.87	259 ePn	10 47.90	0.4
KAS	7.48	265 iPd	11 10.60	0.4
KER	8.49	160 eP	11 30.00	5.6X
VR1	12.66	292 ePc	12 19.00	-2.2
MLR	13.15	290 eP	12 27.00	-0.8
OBN	13.51	342 eP	12 32.60	0.3
	1.0s	*****nm	8.1mb X	
Z	14s	0.60um	5.3mszX	
N	10s	0.70um		
		e	12 36.00	
		eS	13 07.00	
		eSSS	15 24.00	
MA10	13.67	111 eP	12 32.00	-2.6
		e	14 17.00	
CMP	13.76	288 ePc	12 47.00	11.2X
SKO	16.49	276 eP	13 19.50	8.2X
OHR	17.12	273 eP	13 25.00	5.7X
	1.3s	72.00nm	4.6mb	
SPC	17.65	301 eP	13 25.50	-0.4
SRO	18.66	295 iP	13 44.80	6.6X
PTJ	20.15	289 eP	13 55.10	-0.4
LJU	21.15	290 e(P)	14 10.00	4.3X
NUR	21.50	334 eP	14 09.00	-0.1
		i	14 14.00	
VOY	21.59	290 e(P)	14 10.50	0.2
BHG	22.31	294 eP	14 20.50	3.2X
ARV	22.47	283 P	14 20.80	1.8
CRE	23.16	284 P	14 29.80	3.9X
SFI	23.20	285 P	14 29.20	3.2X
UPP	23.66	326 iP	14 34.80	4.5X
MME	23.98	286 P	14 37.40	3.4X
BDI	24.07	285 P	14 37.00	2.3
MDI	24.52	290 P	14 40.20	1.4
BOB	24.80	287 P	14 48.20	6.5X
HFS	25.47	324 eP	14 48.70	1.0
	0.7s	5.80nm	4.4mb	
Z	16s	0.31um	3.9mszX	
		LR	24 35.00	
PGF	25.48	282 eP	14 51.00	2.8X
	1.2s	23.80nm	4.8mb	
LPG	26.61	289 eP	14 59.30	0.4
	1.2s	20.85nm	4.7mb	
LPL	26.63	289 eP	14 59.30	0.4
	1.0s	13.00nm	4.6mb	
SOD	26.66	345 eP	14 58.00	-0.7
		i	15 16.80	
HAU	26.70	295 eP	14 59.20	-0.2
	21s	0.05um	3.0msz	
BNI	26.72	288 P	15 03.60	3.9X
FRF	26.98	285 eP	15 02.80	0.9
	0.7s	6.60nm	4.4mb	
NB2	26.98	325 P	15 00.70	-1.1
	1.2s	6.40nm	4.2mb	
LBF	28.37	293 eP	15 14.10	-0.5
	1.0s	6.00nm	4.3mb	

LOR	28.43	294	eP	15	14.40	-0.0
Z	22s		0.08um			3.2msz
SMF	28.50	292	eP	15	15.30	-0.4
SSF	28.69	293	eP	15	16.80	-0.5
AVF	28.82	293	eP	15	18.30	-0.2
	1.0s		9.00nm			4.5mb
BGF	29.19	292	eP	15	22.40	0.5
MAF	29.43	292	eP	15	24.30	0.3
CAF	29.97	289	eP	15	29.10	0.1
	0.8s		4.05nm			4.3mb
LSF	30.14	292	eP	15	30.10	-0.3
EKA	32.76	310	Pd	15	53.20	0.0
	1.6s		21.90nm			4.8mb
GKN	36.06	100	P	16	22.60	0.5
DMN	36.62	100	P	16	28.00	1.0
KKN	36.65	100	P	16	27.00	-0.1
PKI	36.87	100	P	16	29.80	0.7
GUN	37.02	99	P	16	31.60	1.2
LZH	46.16	77	eP	17	46.50	1.5
	2.0s		56.00nm			5.2mb
			pP	17	50.50	13kmX
			i	18	08.50	
YAK	51.91	37	eP	18	27.40	-1.5
CHTO	52.04	99	iP	18	30.10	-0.2
	1.0s		5.25nm			4.4mb
BJI	53.01	66	eP	18	37.50	0.2
TIC	55.76	245	P	18	57.00	-0.8
KIC	55.79	244	P	18	56.90	-1.0
LIC	56.08	244	P	18	59.00	-1.0
YKA	73.99	350	eP	20	54.80	-0.5
	0.8s		2.00nm			4.2mb
FFC	78.88	341	eP	21	23.50	0.5
	1.0s		11.00nm			4.8mb
S.D. = 1.0 on 44 of 59 obs.						

JUN 30, 1991 20h 12m 23.95± 0.76s						
40.738 N ± 8.7km 29.131 E ± 5.2km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
MD 2.4 (ISK).						
GBZT	0.24	78	ePg	12	28.30	-0.8
			iSg	12	32.40	
ISK	0.33	351	ePg	12	30.80	0.0
			eSg	12	37.30	
HRT	0.42	78	iPg	12	33.30	0.8
			iSg	12	40.30	
CTT	0.67	308	iPg	12	37.30	0.0
			iSg	12	44.00	
BNT	1.00	248	ePg	12	43.00	0.1
EDC	1.04	248	ePg	12	43.50	-0.1
S.D. = 0.7 on 6 of 6 obs.						

* JUN 30, 1991 20h 14m 48.55± 2.24s						
40.704 N ± 21.0km 29.091 E ± 8.0km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
MD 2.4 (ISK).						
GBZT	0.28	72	iPg	14	54.00	-0.5
			iSg	14	57.80	
ISK	0.36	356	ePg	14	56.00	0.0
			iSg	15	01.50	
HRT	0.45	75	iPg	14	58.30	0.5
			eSg	15	05.00	
CTT	0.67	312	iPg	15	02.30	0.5
			iSg	15	15.00	
DMK	1.50	318	iPn	15	15.00	-0.5
S.D. = 0.7 on 5 of 5 obs.						

% JUN 30, 1991 20h 24m 10.74± 1.04s						
16.490 N ± 8.3km 61.406 W ± 9.0km						
DEPTH = 10.0km (geophysicist)						
LEEWARD ISLANDS (92)						
ML 2.2 (FDF).						
DEG	0.38	118	ePd	24	19.10	0.6
			S	24	27.10	
PAG	0.53	210	eP	24	22.40	0.9
			S	24	33.00	
MGG	0.58	171	eP	24	22.50	0.1
			S	24	33.10	
BPA	0.70	322	ePd	24	24.00	-0.6
			S	24	35.20	
MGH	0.81	287	eP	24	27.10	0.6
			S	24	39.00	
BBL	0.96	184	eP	24	27.40	-1.7

30d 20h

S 24 40.40
S.D. = 1.3 on 6 of 6 obs.

JUN 30, 1991 20h 26m 12.46±0.72s
40.743 N ± 8.0km 29.135 E ± 4.8km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 2.6 (ISK).

GBZT	0.24	79	ePg	26	17.10	-0.5
			iSg	26	20.90	
ISK	0.33	350	iPg	26	19.80	0.6
			eSg	26	24.80	
HRT	0.41	79	iPg	26	21.30	0.4
			iSg	26	27.30	
CTT	0.67	307	iPg	26	25.80	0.0
			iSg	26	35.80	
BNT	1.00	248	ePn	26	32.00	0.5
EDC	1.05	248	ePg	26	32.00	-0.2
DMK	1.50	317	ePn	26	38.50	-0.9

S.D. = 0.7 on 7 of 7 obs.

* JUN 30, 1991 20h 39m 29.76±1.01s
36.965 N ± 12.8km 29.315 E ± 6.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.4 (ISK).

ELL	0.52	114	iPg	39	40.00	-0.4
			iSg	39	47.00	
YER	0.84	282	ePn	39	46.70	0.6
BCK	1.13	64	iPn	39	51.70	0.7
CIN	1.17	303	eP	39	51.00	-0.5
KHL	1.37	7	ePn	39	54.50	-0.4

S.D. = 0.9 on 5 of 5 obs.

JUN 30, 1991 20h 45m 58.29±0.72s
37.067 N ± 7.0km 29.545 E ± 5.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.0 (ISK).

ELL	0.43	137	iPg	46	07.00	-0.1
BCK	0.92	64	iPn	46	16.20	0.3
YER	1.01	274	ePn	46	17.60	0.1
KHL	1.25	359	ePn	46	21.50	-0.2
CIN	1.28	295	ePg	46	22.00	0.0
			iSg	46	37.00	
ALT	2.03	12	ePn	46	33.00	-0.1

S.D. = 0.2 on 6 of 6 obs.

* JUN 30, 1991 21h 03m 11.44±0.98s
37.673 N ± 8.4km 14.847 E ± 8.4km
DEPTH = 10.0km (geophysicist)

SICILY (398)

MNO	0.28	335	P	03	16.30	-1.2
			eSg	03	22.20	
MEU	0.57	173	P	03	22.60	-0.6
			eSg	03	32.20	
ATN	0.69	45	P	03	24.80	-0.3
GIB	0.72	296	P	03	26.90	1.2
SOI	1.04	67	P	03	31.80	0.8
			eSg	03	48.70	
CSI	2.38	28	P	03	42.40	-8.8X

S.D. = 1.4 on 5 of 6 obs.

* JUN 30, 1991 21h 15m 55.23±0.95s
37.036 N ± 9.1km 29.507 E ± 7.6km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.2 (ISK).

ELL	0.43	132	iPg	16	04.00	-0.1
			iSg	16	10.00	
BCK	0.96	64	ePn	16	13.70	0.1
YER	0.98	276	ePn	16	14.00	0.1
KHL	1.28	1	ePn	16	19.00	-0.1

S.D. = 0.2 on 4 of 4 obs.

* JUN 30, 1991 21h 17m 14.41±0.78s
37.066 N ± 8.2km 29.553 E ± 6.2km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
MD 3.2 (ISK).

ELL	0.43	138	iPg	17	23.00	-0.2
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BCK	0.92	64	iPn	17	32.20	0.2
YER	1.02	274	ePn	17	34.00	0.3
KHL	1.25	359	ePn	17	37.60	-0.2
CIN	1.28	295	eP	17	38.00	-0.2

S.D. = 0.3 on 5 of 5 obs.

* JUN 30, 1991 21h 31m 06.57±0.90s
37.061 N ± 12.0km 29.562 E ± 7.0km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

ELL	0.42	138	iPg	31	15.00	-0.1
BCK	0.91	64	iPn	31	24.20	0.1
YER	1.03	275	ePn	31	26.50	0.5
CIN	1.29	295	eP	31	30.00	-0.5

S.D. = 0.7 on 4 of 4 obs.

* JUN 30, 1991 22h 08m 12.36±2.42s
14.092 N ± 22.1km 91.346 W ± 21.7km
DEPTH = 75.5 ± 24.8 km
4.1mb (3 obs.)

GUATEMALA (70)

TPX	1.20	312	iP	08	32.50	-1.4
			iS	08	49.00	
SCX	2.91	335	iP	09	00.85	3.6X
			iS	09	36.73	
OXX	5.97	301	eP	09	36.73	-3.6X
IISM	7.56	311	eP	10	02.02	0.0
			iS	11	24.64	
IIT	8.28	307	eP	10	12.50	0.2
PPM	8.55	306	eP	10	17.22	1.0
IIA	8.63	307	eP	10	18.54	1.8
III	8.89	300	iP	10	19.50	-1.0
JSC	22.08	23	eP	13	04.80	2.5
BLA	25.00	21	eP	13	50.50	19.8X
			1.0s	15.00nm		
CMB	35.08	318	eP	15	17.20	16.9X
SIV	42.29	134	P	16	01.20	0.8
			i	16	21.80	
SCH	44.92	20	eP	16	20.00	-1.2
YKA	51.08	346	eP	17	08.10	-0.8
			0.6s	1.30nm		4.1mb
EKA	77.52	36	Pd	20	00.40	-0.9
			0.8s	3.00nm		4.3mb
HFS	85.21	29	eP	20	40.70	-0.8
			0.5s	0.90nm		4.1mb
CHG	145.77	342	ePKP	27	48.00	3.3X
GBA	150.33	22	PKPd	27	58.50	6.6X
			0.7s	3.50nm		

S.D. = 1.5 on 12 of 18 obs.

* JUN 30, 1991 22h 50m 11.89±0.63s
20.822 N ± 11.7km 96.610 E ± 11.8km
DEPTH = 33.0km (normal)
4.2mb (1 obs.)

BURMA (296)

CHG	2.97	132	ePn	50	57.90	0.1
			iPg	51	06.00	
			iSg	51	45.00	
BDT	4.22	147	ePn	51	14.00	-1.5
			ePg	51	26.00	
			eSg	51	57.80	
LOE	5.91	124	eP	51	38.50	-1.0
KHT	6.29	162	eP	51	46.60	1.7
SHL	6.42	318	iP	51	47.00	0.2
			eS	54	22.00	
KMI	7.09	52	ePg	52	17.50	21.3X
			Sg	53	42.50	
GUN	12.06	308	P	53	06.20	1.5
PKI	12.23	305	P	53	07.30	0.3
KKN	12.44	306	P	53	08.36	-1.4
DMN	12.48	305	P	53	08.70	-1.6
GKN	13.04	306	P	53	17.56	-0.1
LZH	16.48	21	e(P)	54	02.00	-0.3
			1.5s	28.00nm		4.2mb
Z	15s			0.34um		4.4msz
PNT	103.10	23	ePdiff	04	11.00	2.2

S.D. = 1.4 on 12 of 13 obs.

* JUN 30, 1991 22h 55m 19.02±1.75s
10.234 N ± 37.4km 82.844 W ± 22.2km
DEPTH = 10.0km (geophysicist)
4.7mb (2 obs.)

NORTH OF PANAMA (79)

UPA	3.49	111	iPc	56	14.30	-0.2
			iS	56	53.20	
CEOS	14.36	94	eP	58	43.70	-0.8
GUAN	16.93	89	eP	59	18.40	0.5
GOL	35.54	329	iP	02	18.00	-0.6
			1.0s	10.50nm		4.7mb
RSSD	38.43	335	eP	02	42.90	0.1
LRM	43.56	330	eP	03	25.00	-0.1
LIC	76.97	86	P	07	14.50	0.3
KIC	77.23	86	P	07	16.00	0.3
NB2	83.09	29	P	07	46.60	0.5
			1.1s	5.90nm		4.7mb
OBN	97.68	30	eP	09	05.00	9.8X
			1.0s	*****nm		8.7mb X
GBA	149.28	40	PKPc	15	09.40	3.3X
			1.1s	12.50nm		

S.D. = 0.5 on 9 of 11 obs.

JUN 30, 1991 22h 57m 22.06±0.47s
73.517 N ± 6.2km 7.749 E ± 12.7km
DEPTH = 10.0km (geophysicist)
4.3mb (15 obs.) 3.5msz (3 obs.)

GREENLAND SEA (640)

TRO	5.27	132	iP	58	39.55	-3.0X
			iSg	59	34.59	
JNE	5.51	250	eP	58	42.04	-4.1X
JNW	5.53	251	eP	58	42.21	-4.1X
JMI	5.67	251	iP	58	44.82	-3.4X
LOF	5.74	158	eP	58	45.62	-3.6X
			eSn	59	31.00	
KTk1	6.71	125	iP	58	46.51	-16.5X
KEV	7.13	112	eP	59	04.00	-4.8X
			0.6s	20.90nm		5.5mb X
SOD	8.79	125	iP	59	28.00	-4.0X
NRA0	12.92	172	Pn	00	22.50	-5.7X
HFS	13.63	167	eP	00	33.20	-4.4X
			0.3s	3.20nm		4.7mb
Z	17s			0.56um		5.4msz
			LR	04	20.00	
NUR	14.53	145	eP	00	44.00	-5.3X
			0.7s	16.00nm		4.7mb
WTS	21.61	182	e(P)	02	13.00	-0.6
			1.0s	8.00nm		4.1mb
OBN	21.88	132	iP	02	14.60	-1.7
			1.5s	*****nm		7.9mb X
Z	20s			0.40um		3.8msz
			i	02	17.00	
			e	06	24.00	
			LR	08	10.00	
CLL	22.40	171	eP	02	21.00	-0.6
			1.6s	31.00nm		4.5mb
			i	02	33.00	
ENN	22.85	183	eP	02	26.00	0.0
			0.9s	11.00nm		4.4mb
			e	02	36.00	
BRG	22.88	170	eP	02	24.80	-1.6
			1.2s	11.00nm		4.3mb
MOX	23.02	174	eP	02	27.50	-0.2

	0.9s	6.55nm	4.3mb	
WBC	27.21	335 eP	03 07.50	0.4
TCF	27.43	188 eP	03 10.40	1.0
MAF	27.48	188 eP	03 11.10	1.2
INK	36.21	337 eP	04 26.00	-0.1
YKA	38.93	321 eP	04 47.40	-1.6
	1.0s	2.70nm	3.9mb	
FBA	40.89	344 eP	05 06.80	1.7
FFC	43.55	308 eP	05 26.00	-1.0
	1.0s	13.00nm	4.7mb	
MAIO	44.95	116 eP	05 40.00	1.3
S.D. = 1.0 on 29 of 42 obs.				

JUN 30, 1991 22h 59m 09.20± 0.41s
 2.660 S ± 6.4km 138.837 E ± 7.3km
 DEPTH = 33.0km (normal)
 5.0mb (6 obs.)

WEST IRIAN (201)

JAY	1.87	86 iPd	59 37.20	-2.3
		i(S)	00 05.00	
MNDI	5.93	126 eP	00 45.00	7.7X
PMG	10.64	129 eP	01 45.00	2.5
MTN	12.67	217 eP	02 08.80	-1.2
		eS	04 27.00	
WB2	17.73	194 eP	03 15.20	-0.1
	0.7s	25.10nm	4.5mb	
		eS	06 26.90	
OIS	17.80	178 eP	03 16.00	-0.3
		eS	06 30.00	
CGP	17.91	308 eP	03 18.00	0.5
CTAO	18.78	158 eP	03 38.00	9.8X
		eS	07 06.00	
ASPA	21.42	192 iPd	03 56.40	-0.3
Z	17s	1.50um	4.5mszX	
		eS	07 57.90	
PPR	23.53	302 iP	04 17.00	-0.5
SNG	39.37	285 eP	06 37.60	-0.2
LOE	41.67	300 eP	06 57.00	0.4
CHG	44.67	300 eP	07 21.40	0.4
BJI	47.30	336 eP	07 41.50	0.0
	1.2s	10.00nm	4.7mb	
LZH	50.52	323 iPc	08 06.50	-0.2
	1.4s	44.00nm	5.3mb	
		pP	18 14.00	
SHL	53.41	305 eP	08 28.00	-0.6
GUN	59.26	305 P	09 11.00	0.3
PKI	59.53	304 P	09 12.80	0.3
KKN	59.71	304 P	09 14.00	0.4
	0.8s	34.00nm	5.5mb	
DMN	59.79	304 P	09 14.80	0.6
	1.0s	34.00nm	5.4mb	
GKN	60.32	304 P	09 17.20	-0.5
GBA	62.99	287 Pd	09 34.40	-1.1
	0.8s	5.00nm	4.7mb	
YAK	64.88	355 iPc	09 46.80	-0.3
MAIO	82.99	307 eP	11 34.00	1.1
KRA	110.27	323 ePd	13 30.00	-8.2X
SIV	152.97	134 PKP	18 59.20	1.1
S.D. = 1.0 on 23 of 26 obs.				

? JUN 30, 1991 23h 13m 00.26± 3.95s
 31.613 S ± 19.7km 66.870 W ± 63.0km
 DEPTH = 116.6 ± 59.2 km
 LA RIOJA PROVINCE, ARGENTINA (138)

RTLL	1.40	281 iPc	13 26.70	0.0
ZON	1.55	272 iPc	13 28.50	0.1
		eS	13 48.50	
RTCB	1.65	274 iPc	13 29.80	0.0
MDZ	2.10	232 iP	13 35.40	0.0
		iS	13 59.50	
RTBS	2.20	268 iPc	13 36.50	-0.1
CNCB	14.77	356 P	16 24.00	-1.1
		i	18 54.00	
ZOBO	15.32	355 eP	16 33.00	1.0
		i	18 54.00	
S.D. = 0.9 on 7 of 7 obs.				

* JUN 30, 1991 23h 57m 03.08± 0.82s
 37.077 N ± 8.5km 29.564 E ± 6.6km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

ELL	0.43	140 iPg	57 11.50	-0.4
		eSg	57 17.50	
BCK	0.90	65 iPn	57 21.10	0.7

YER	1.03	274 ePn	57 22.80	0.3
KHL	1.24	359 ePn	57 25.60	-0.7
CIN	1.29	294 eP	57 27.00	0.1
S.D. = 0.7 on 5 of 5 obs.				

X = data received for this 6-hour time period

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	
AAI	xxx	xxxxxxx	xxxxx		x	xxxxxx		xxxx	xxxxxxxxxxx		x	x					xxxx	x	xx	x	xxx		xxxxxxx		xxx	x	xxx		x	x	
ABHA			x				x		x	x		x				x	x		xx	xx			xxxxxx				x	xxx		x	
ABL	x	x	x			x		x	x	x	xx	x	x		x	xx		x	x		x		x	x			x	xx	xx	x	
ACX	xxx	x	x		xx	x	x	xx	xxxxx	x		xx	x	x	xx			xxx	x	x	xx	xx		x			xxx	x	xx	xxxx	
ADE		x	x		x	x	xx		xxx	x	x	xxxxx	x	xx	xx	x		xx	xxxxx	xxx				x	xx		x	x		x	
ADH				x	x							x				x		xxx			x		x	x							
ADI	x					x			x	xx	x				x	x		x	x									x		x	
ADK	x			x			x		x		x	x	xx	x	xx	xx	xx	x	x					x	xxx	x		x	x	x	
AFC			x				x		xx	x	x	xx	x			x	xx				x	x	xx	x	x	xx		x	xxx	x	
AFI		xxxx	x	xx		x	x	x	xx	x	xxx	xxx	x		x	xxx	xxx	x	xxx	xxx	xx	xxx	xxx		x	x	x	xxx	x		x
AFR			x		x		x		x			x	x					x						x						x	
AGG	xx	x	xx	x		x	x	xx	xxxx	x	x	xxxxxx	x	xx	x	x	xxxxxxxxxxx	x	x	x	x	x	x	x	xxx	xx	xxxxx	xxx	xxx	x	x
AGMR				x			x		x						x	x					x			x							
AGO		x					x		xx	x											xx				x				x	x	
AIA	x	xxxxx	xxxxxx	x	xxxxx			xxx	x	x	xxxxxxxx	xxxxx	xxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxx	xx	x	xxx	xxx	x	xxx	xx	xxx		x
AKSR							x		x						x	x															
AKU	x	x	x	x			x	x			x	xxx	x	xx			x	xx				x	x	xx				x	x	x	
ALN	x			xx											x	x	x	xx	x											x	
ALO	xxxxxxxxxxx	xxxxxxxxxxx	x	xx	xx			xxx	xxxxxxxxxx	xxxx		xxxxx	xx	xxxx	xxxxxxxxxxxxxxxxxxx	x	xxxx	xxx	x	xxx	x	xx	xxxx	xxx	x	xxx	x	x	xx	xxxxxx	
ALT		x	x	x	xx	x	x	x		xx		x	xxx		xxxx	x		xxx	xxx		x	xxx	x	x		x	x	x		x	xxxx
ANGL			x			x				x		x								x				x	xx	x					
ANM	x	x	xx		x	x	x		x	xxx	x	xx				x			x	x	xx	xx			xx	x		x		x	
ANMO	xxx	x	xxxx	xxxxx	xxxx	xx	x	x	xxx	xxxxxxxx	xxxxx		xx	xxx	x	x	x	xxx	xxx	xxx	xx		x	xx	xxx	x	xxx	x	x		xxxx
ANP		x		xx	x		x		x		x	x		x	xx	xxx	xx		xx		xx							xx	x		
ANT	xx	x	xx	xx	x	xx	x	x	xxx	xxx		xxx	xxx	x	xx	xxxxx	x											xx	x		
AOMJ		x	x	x	x	x	x		x	x					x	x	x					x									
AOU	x	x	xx	xx	x		x	xxxx	x	xx	x		xxxxxxxx					x	xx	x		x	x	xx	x	xxx	xx		x	x	
ARA0		x			x	xxx	xx		x		x	x	x	xx	xxxx	x		xxx	x		x				xxx	xx	x	xx	x	x	
ARE	x	xxxx	xxxxxxxx			x	xxx	xxx	xxxx	xxx	xx	xx	xx	xx	xxx			x	x	xxxxxxxx	xxxx	xxxxx		xx	x	xxx	xxxxx	x	xxxx		
ARG			xxx	x	x	xx	x	xx		x	x		x	x	x	x						x	x	xx							
ARN	x	x	x	x			x	x	x	x	x	xx	x	xx	x	xxx	x	x	x			x	xx	x			x	xxx	x	x	
ARV	x	x	xxxxxxxxxxx		x	xxx	x	xxx	x	xxxxx	x	xxx	xxxxxxxx	x	xx	xxxxxxxx	x	x	xxxx	xx	xx	xx	xx	xx	xxx	xxx	xxx	xxx	x	xx	xx
ASAJ		x	x	x	xxx	x	x		xxx		x	xx	xx	xxxxx	x	x		x	xx	xx	xx	xx	x	xxx	xx	x	x	x	xx	xx	
ASK			x	x			x	x	x	x	x	x	xx	x																	
ASPA	xxxx																														
ASS	xx	xxxxxxxx	xx	xx	xxxx	x	x	xxx	x	xxxxx	x	xxxxx	x	xxxxx	x	xx	xxxxxxxx	xx	xxxxxxxx	xxxxx	xx	xxxxx	xxxx	xx	xxxx	xxxx	x	x	xx	xx	
ATE						x		x			x	xx	x		x																
ATH	x		xx		x	x	x	xx	x		x		xx	x	x	x															
ATN	x		xx	x	x		xx	x	xxx		x	xxxxxx			x	x	xx		xx	x											
AUE	xx		xx	xx	x	x	x	xxx	x	x	xx		x	x	xxx	x		x	x	x											
AUH	xx		xx	xx	xx	x	xxx	x	xx		x	xxx		x	x	x	x	x	x	x		x	xx	x	x	x	x	xxx	x	x	
AUI	xx		xx	xx	xx	x	xx	x	xx		x	xxx		x	x	x	x	x	x	x		x	xx	xx	x	x	x	xxx	x	x	
AURF				x			x		x		xx		x	xx																	
AUTN							x		x		xx	x	x	xx																	
AVE																															
AVF		x	x	xxxxxx	xxx	x	x	xx	x	xxxx	xxx	xxxxxxxx	x	xxxxxxxxxxxxxxxxxx				xxxxx	x	x	x	xx	xxxxxx	xx	x	xxx	x	xx	xxxxxx		
BAG		x	x	x	xx	x	xx	x	xxxxx	xxxxxx	x	xx	xxxxx	x	xxxxx	xxxxxx	xxxxxxxxxxx	x	x												
BAI	x						xx	x							x	x															
BAL		x	xxx		xx	x	x	xxx	x	xxx		xxxxxx	x	xxxxxx	x	xx		x	xx	xxx	xx										
BALM	xx	x	xxxxxxxx	xx	xx	x	x	xxx	x	xx	x		xxxxxx	xxx	xx			xxx	x	xxx	xxxxx	xx	xx				x	xxxx	x	xxxxx	
BAO			xx	xx	xxxxx	xx		x	x	xxx	xxxx	xxxx		x		xxxx	xxxxx	xxxx	xxxxxx	xxx	x	xx	xxxx	x							
BAR	xx		xx		x	x		x	x	x	xx	xx	xx	x	x	xx	x	x	xxx	x	xx	xx									
BBL		x			x	xx		x	xxx	xx	x	x			x	x	xx	x	x	x	xx										
BBS							x		x		x	xx	xx	x																	
BCH	x	x	x				x	x	x		x	xx	x	x	x	xx	x	x	x	x											
BCK	x	x		xxx	xxxxx		x	x	xxxx	xxxx		xxxx	xx	x	xx			x	x	xxxxx	xx										
BDI			xxxx	xx	x	x	x	xx	x	xxx	x	xxx	x	xx	xx	xx	xx	x	x												
BDT	x		xxxxxx	x					x	x	x	xxxx	x	x	xxxx	xxxxxx	xxxx		x	x	xxx	xx	xxxx		x	x	x	x	xx	x	
BDV	x			x	x		x	x	xxx	xxx	xxx		x	x		x		xxx	x		x	x	xx	x	xx		x	x		x	
BER						x	x		x	x	x	x	xx	x																	
BFD			x	xx		x	x	x	xx	xxxxx	x	xxxxxxxx	x	xx	xx	x	xxx	xx				xx	x	xx							
BFT							x	x	x	x	x	x	xx	x	x																
BGF	xx	x	xxx	x	xxxx	xxxxx	x	xx	xxxx	xx	xxxxxxxx	x	x	xx	xxx	xxx		x	xxxx	x	x	x	xxx	xx	xxxxxx	x	x	xxx	x	xxx	
BGL	xx		xxxx	xx	xx	x	xx	xxxx	x	xx		xx	xxxxx	xx	x	xxxx	xx		xxxxxx	xx	x	xx	xx		xx	x	x	xxx	xx	xxx	
BHB	x		x	x	xxxx	x	xxx	x	x		x	xxxxx	xx	xx	xx	xx	x	x	xx	xx											
BHG							xx		x		x	xx	x	x																	
BHL		x	x	x	xxxxxx		x	x	x		x		x	xxxx	xxx			x	xxx												
BIM	xx		x			x	xx		x	x	xx	xx			x	x		x	x	x											
BISH						xxx	x		x	x	xxx																				
BJI	x	xxxxxxxx	xxx	xxxxxxxxxxxxxx	xxxxxx	xx	xxxxxxxxxx	x	xxxxxxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	
BKB2			x				x																								
BKM		xxx		x	xxxx	x	xxxx		x	x			xxxx	x	x	x		x	x	x	xx	x	x	xxxxxx		x	x		x	xx	
BKS		xx	x	x			x	xx		x	xxx	x	x	x	xxx	xx	x		x	x	x	xxx	xx	xx	x	xx	x		x	xxx	
BLA			x				x		x	xx	x			xx	x	xx															
BLF		xx					x	x	x	x	x	xx	x																		

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			
BMA				xxx				x	x	xxx		x		x	x	xx	x		xxx		xxx	x	xx										
BMG						x	xx	xx		xx		x	x	x	x					x		xx	x	x	xx	x	x		x	x	x		
BMR				x	x	x		x		x	xx	xx	x		xxxxxx	x				x	xx		xxx	x		xxx			x		x		
BMW	xx				x						xx	x	xx	x		x					x	xx		xx	x					x			
BNH								x														x								x			
BN1	xx		xx	x	xxxxx		x		x	x	xx	xx	xx	xxxx	xx	xxxxx			xx	xxx		x		x	xxx	x		x			x		
BNT	xxxxxxx	xxx	x	xxxx	xxxxx		xxx	xxx		xxxxxxx	xxxxxx	xxxx	xx		xxxxxxx		xxxxxxx	xxxxxxx	xxx	xx				x	xxx	xxx	xxxx	xxxxxx	xx	xxx	xx		
BOB		x	x	xxx	x	x	x	x		x	xxx	xx	xx	xx		xxxxxxx		x	xx		xx			x	xxx	x	x	x			x		
BOG				x		x	xxxx	xx		xx		x	xxx	x		x	x	x		x	xx	xx	x	x	xx	x	xx	x	x	xx	x		
BOM	xx							x								xx	x				xx			xx	x								
BONR	xx	x	x			xx		x	x	x	x		x	xx	xx			xxxx	xx			x	xx	xx	x	xx	x		x	x	xx	x	
BPA		x				x	xx	xx	x			xxxxx	xx	x	xx	xx	xxxx	xx	xx	x	xxx		x	xx	x		x	x	x		x	x	
BRD										x				x								x	x								x		
BRG	xx	xxxxxxxx	xxx	x							xxxxxxxx	xx	x	xxxxxxxxxxxxxx						xx	xxx	xx	xxxxxxxxxx	xxxx	xxx	xxxx	xxxxxxxx						
BRK		xx	x	x				x	x	xx		x	x	x		x	x	x	x	xxx	xx	xx		xx		x	x	x	x	xxx			
BRLK	x										x	x	x			x	xx						x	x					x	x	x		
BRN											x	xx		x							x												
BRS		xxxxx	x	xx	xx	xxxx	x		x	xx	xxxxxxxxxx	xxxxxxxxxx	xxxxxx	xxxxx	xxx	xxx	xxxxxx	xxxxx	x	xxx	xxx	x	xxx	xxx	x		x	xxxxxx	x	x	xx		
BRT	x		x	x		xx	xxxxx	x	xx	xx	xx	x	x		x	xxxx	x	x	xx	x					xx		xx	xxxx	x	xx	x		
BRW		x	x	xxxxx	x				x		xxx	x	x		xx	xxx	x		x	x	x					x	x						
BRY	x			x	x		x	x	x	xxx	xxx	xx	xx		x	x	x		xx	x	x		x	x	xx	x	xx	x	x	x	x		
BSD			xxxx			x	xxx	xx				x				x	xx				x				x	xx			x		x		
BSF	xx	xxxx	x	xxxx	x	x	x	xx	xxxx	xxx	xxxxx	xx	xxxxxxxxxxxxxxxxxx	x	xxxxx				xx	xxx	xx	xxxxxx	xx	x	x	x	xxxx	xxxxx					
BS1	xx	xx	xx		x	xx	xx	x	x		xx																				xx	x	
BTH				x		xx	x			x	x	xxx	x		x	xx	x	x	x		x			x	x	x	xxxx	x	xxxx	x	x		
BTO	x	x	xxxxx	xx	xx	x	x	x	xxxx	x	xxxxxxxx	xx	x	xxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxx									xx	xxxxxx	x		xxxx	x	x			
BUC	x																						x	xx				x	x	x			
BUC1			x		x	x		x	x	x	x	xx	x	x	xxxx	xx		xxx	x		x			xx		x			x	x	x		
BUD			xx						x	x	x	x		x	xxxxxx					x				x	x						x		
BUL	x	x	x	x	x	xx	x	xxx	x	xxx	xxxxx	x	xxx	x	xxxx	xxxx	xxxx	xx	xxxx	xxxx	xxxxx	xxxxx		x	x	x	x	xx	x	x	xxx	xx	x
BW06				x	x	x	xxx	xx		x	xx	xxxxxx	xx	xx	xx	xx	xxx		xxx	x	xxx	xx	xx		x	xx	xx	x	xxx	x	x	xxxxxx	
BWA	x	xxxx	x	xx	xxxxxx	xx		xxxx		xxx	xx	xx	x	xxxx	xxxxx	xx	xxxxxxxxxx	xxx	x	xxxxxx	xxx	x	xxxxxx	x		x	x		x		x		
BWN	xx			x	x	xx		x	x	x				x		xx	x	xx		x	x		x			x	xx	x			x		
CAF	x	x	xxx	x	x	xxx	xx	x	x	xx	x	xx	xxxxxxxx	x	x	xxxxxx	xxx		xxxxxxxx		x	xx	xx	xxxxxx	xxx	xxx	x	xx	xxxxxxxx				
CA1				x							x	x	x			x	x				xx	xx	x		x						x		
CALN					x																												
CAN	xx	xxxx	x	xx	xxxxx	xx		xxxx		xxx	xx	xx	x	xxxxxxxxxx	xx	xxxxxxxxxxxxxxxxxx	x	xxxxxxxxxxxxxxxxxx	x	xxxxxx	x			xxxxxx	x		x	x		x			
CAR			x								x	x	x			x					xx	x	x	xx		x							
CAW			x	x		x		x	x	x				x				x	x					xx		x					x		
CBN	x		x					x		x	xx	x	xx	xx	x	xx	x		x	xx	xx	xx	x	xx		x			xx	x	x		
CCB	xx		x	x	xx		x	xx		xx	x		x	x	xxx	xx		xx	x	x	x	x	xxx	x		x	xxx	x	x	x	x		
CCH	x	x	xx	xxxxxxxxxxxx	xxxx	xxxxxx				xxxxxxxxxxxxxx	xxx	xx	xxx	xxx	x	xxxx					xxx	x	xxxxxxxxxx									xx	x
CD2	x	x	xxxxxx	xxxxxxxxxx	x	xx	x	xxx	xx	xxxx	xxx	x	xxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxx						xxxxxx	xxxxx	xxx	x										
CDD	xx		xx	xx	xx	x	x	xxx	x	xx		x	xxxxx	xx	x	xxx	x	x	x	x	x		x	x	xx	x	x	xxx	x	x			
CDF	x	xxxxxxxxxx	xxxx	xx	x	x	x	xxx	xxx	xxxxx	xx	xxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxx	x	xx	xxxx	x	xx	xxx	xx	xx	xx	xx	x	x	x	xx	xxxxx	x				
CDR	x	xxxxxxxx	xxxxxxxx	xxxx		xxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxx	xxxx	x	xxxxxxxx	xxxxx	x	xxxxxxxx	xxxxx	x	xxxxxxxx	xxxxx	x	xxxxxxxx	xxxxx	xxxx	xxxxxx	xxxx	xx	xxx	xxx						xxx	
CE0S			x		x		x		x		x	x			xx					xx	xx	x	x		x						x	x	
CER			x				x																				xx		x	x	x		
CEY	x		x			x	x	x	xx	xx	x	xx		x	x	xxxxxxxx		x	x	x	xx	x	x		x	xxx	xxxxx	xxx	x		x	x	
CFR					xx	xx	x		xx	x	xx	x	x	x		xx	xx	xx	x	x	x		x	x	x		x	x			xx	x	
CGLM				xx	xx	x	xx	x	xx		xx	xxxxx	xx	x		xxxx	x	xxxxxx	xxx	x	xx	xxx	xx	x	x	xxxx	xx	xxx				x	x
CGP	xxxx		xxx	xxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx					xxxxxxxx										x	xxxxxxxxxxxxxx	x	xx	xxxx		xx	xxxxxx	xxxxxxxxxx					
CGX							x		x							x					xx	x	x		xx						x	x	
CHG	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxx	x	x	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx															xxxxxxxxxxxxxx		xx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx										
CHJ	x	x	xxx	x	x	xxxx		xxxxx	x	xx	x	x	xxxxxxxxxx	xx	x	x	x	xx	xx		xx	x	xx	xx	x	x	x	xx	x	xx	xxx		
CHT0												xx	x	x	xx	x				xx	x	x	xxxxxxxx	xx	x	xx	xxx	xx	xx	xx	xxx	x	
CIN	xxxxxxx	xxxxxxxxxxxxxxxxxxxxxx	xxx	xxx	xxxxxx	xxxxxxxxxx	xxxx		x										xxxx	xx	xxxxxxxx	xxxxxx	xxx					xxxx	xx	xxx			
CIR							xx		xxx		x				xx				xx	xxx				x									
CIS									x				x								x								xx				
CK1					x		x	x	xx	x	x	x	xx	x	xxxxx	x		x					x	xx	x		x		x	x		x	
CKL	xx	xxxx	xx	xx	x	x	xxxx	x	x	xx		xx	xxxxx	xx	x		x	xxxxx	x	xxxxxxxx	xxx	x	xx	xxx	xx	x	x	xxx	xx	xxx		x	x
CLC	xx	xxx		x	xxx		x		x	xxxxxx	xx	xx			xxxxx	x	x	x	xxx	xx	xx	xx	xx	xx	x	x	x	xx	xx	xxxx			
CLE				x																		x		xx									
CLL	xxx	xxxxxxxx	xxxx		xxxx	x	xx	x	xxxxxxxxxxxxxx	xx	xxx	xxxxxxxxxxxxxx	xxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxx	xxx				xxxxxx	x	xxxxxxxxxx	xxxxxxxxxx	xxxxxx	xxxx	xxxxxx	xxxx	xxxxxx					
CLLP						x		xx			x	xx			x	x				xx		x										x	
CMB	xxx	x	xxx	x	x	xxx	x	x	x	xxx	xx	xxx	xx	xx	x	xxx	xx	x	x	x	xxx	xxx	xxx	xx	xx	xx	xx	xx	xx	xxx	xxx	x	
CMP	x	x	x			x	x	x		xx	xxxxx	x	x	xxxxxxxxxx	xxx	xx	x	xxx			x	xx	x		xx		x	x	x	xx	xx	x	
CMS		xxxx	x	xx	xxxxx	x	x	xx	xxx	xx	xxxx	x	xx		xxx	x	xxx	xxxxxx		xx	xx		xx	xxx				x		x			
CN2	x	xxxxxxxx	xxxxxxxxxx	x	x	x	xx	xxx	xx	xxxxxxxx	x	xxxxxxxx	xx	xxxxxxxx	xx	xxxx	xxxx	xxxx	xxxx	xxxx	xxx	x	xxxxxxxxxx	x									
CNB		xxx	xxx		x	x			x				x		xxxx	xxx	x		x	xx								x				x	
CNCB	xxxxxx	xxxx		xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	x				xxxx	x	xxxxx	xx		xxxx	x	xxxxx	x	xxx	x	xxxx	xx		x	xxx	x	xx	xx	x	xxxxxxxx			
CNPM	xx	xxx	xx	xx	x	xx	xxx	x	xx		x	xxxxx	xx	x		x	xxxx	x	xxxxx	x	xx	x	xx	xx		xx	x	x	xxx	xx	xxx	x	x
CN2			x						x				x	x	xx						x												
CO1							x		xx																								

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CRE	X		XX	XXXX	XXXX	X	X	X	X	XXX	X	XX	XX	XX	XXX	XXXXXX	XX	X	XX	X	X	X	X	XXXXX	XX	XXXX	X	XX		XX	X	
CRM										X		XX		X		X	X	X	X	X	X	X	X								X	
CRP	XX		XXX	XX	XX	X	XX	XXXX	X	X	XX		XX	XXXXX		XX	X	XXXXXX	XXX	X	XX	XXX	XX	X	X	XXX	XX	XXX	X	X		
CROM	XX		X							X	X						X	X			X	X										
CRZF										X						X	X			XX		X								X	X	
CSI	XX	X	X	X	X		XX	X	X	XX	XX	X	X	XXX	X		XXXXXXXXXX	X		XXX			XX	XX		XX	X	XX	X	X	XX	
CSS	X		X	X	X		X	X	X	X	X	X	X	X	X	X	XX	X	XXX	X	X	X				X					XX	
CSTJ			X	X	X				X	X	X	X	X	X	X	X			X	X	X			XX				X				
CSY	X	XXX	X	XXX	XX	XXXX	X	X	X	X	X	X	XXX	X	X	XXX	X	XXX	XXX	XXX	XXXX	X	X	XXXXXX	X	X	X	XX	X	XX	XXX	
CTA		XXXX		X	X	X	X													X	XXXXXX	XXXXXXXXXX	XX	X	XX	XXXXX	X	X	X			
CTAO																			X	X	XXXXXX	XX	XXX	X	XX	X	XXX	X	X			
CTGM	XX	X		XX				X	XX				X	X	X	X	XX	X	X	X	X	X	X	X	X	X	X	X	X			
CTI	XX		XXXXX	X	X	X	X	X	XX		XXX	XX	XX	X	X	X	XXXXXXXX	X	X	XX		X	XX	XX	XX	XX	X	XX	XX	XX	XX	
CTT	XXXXXXXX	XXX	XX	XXXX	XXX	XX	X	XXX	XX	XXX	XXXXXXXXXX	XX	XX	XXXXXXXXXX	XXXX	X	XX	XX	XX	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
CUT	XX	X	XXXX	XX	XX	X	XXXX	X	X	X	XX	XXX		XX	X		XXXX	XX	X	XXX	X	X	XXX	XX	X	XX	X	X	X	X	XX	
CVA	XX	X		X	XX															X	X											
CVL	X		X							X								X	X			X	XX									
CVO			X	XX	X		X	X					XX	X	X	XX		X	XX		XXXX	XXX	X	XX	XX	X	XXX	X		XXXX		
CVP	X	XX		X	X	X	XXXX	XX	XXXX	XX	XXXXXXXXXXXX					XXXXXXXXXX	XXX	XXX	XXXXXXXXXXXXXX	XX	XXXXXXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X	
CZ1	XX	X	X	XXX	X		XX	X	X	XX	XX	X	XXXXXXXXXX	XX	X	XXXXXXXXXX	XX	X	X	XXXX	X		XX	XXX	XX	XXXXXX	XX	X	XX		XX	
DAG	X		XX	X	XX			X	X	XX		X	X	X	XX		XXXXX	X		XX		XX	XXX	X		X	XX	X	X	X	X	
DAU	XX		X	X		XXX	X		X	XX	X	X	X			X			X	X	X	XX	X	XX	XX	X	X	X	X	X	X	
DAV	X	X	X	X	X	XX	X	XXX	X	XXXX	X	X	XXXX	X		XX	XXX	X	X	XX	X	XXX					X				X	
DBN										X	X					X			X	X		X					X				X	
DCN		X	X	XX	XXXX			X	X	X	XX	X	X	X	X	XX	X	XXX	X	X	XX	X			X	XXX	X	X	X	X	X	
DEG		X			X	X	XX	XX	XX		X	XXXX	XXX	X	XX	XXX	XXX	XXX	XX	X	X	X	X	X	X	X	X	X	X	X	X	
DEV	X			XX	XX					X			X			XX	XX	XX	XXX		XX				X	X	XX	XX		X	X	
DFR	XX		XX	XX	XX	XX	XXXX	X	X	XX		XX	XXXX	XX	X	X	XXXX	X	XXX	X	XX	X	XX	XX	X	X	XXX	XX	XXX	X	X	
DHR		X	X			X		X		X			X			XX	XX	X	X		X	XX			X	X	X	X	X	X	X	
DIM						X		X	X				X	X	X	X	XX	XX	XXX		X	XXXXX	X		XX		X	X				
DIW					X			X		X			X			XX	XX					X	X								X	
DL2	X	XXXX	X	X	XXXX	X	X	X	XXX	X			X	X	X	XXXXXXXX	XX		X		XXXX	XXX	X	XXXXXX	XX							
DLA							X	X					X			X	X			X	X		XX		X						X	
DLF													X	X	X	X	X	X			XX	X	X	X	XXX	X	XX	X	X	X	X	
DMK	X	XX	XX	XXX	X	X																										
DMN	XX	XXXX																														
DMU		X	X	XX	XXXXX	X		X	X	X	XX	XX	X	X	X	XX	XXXXXX	X	XXX	X	XX	X	X	XXX	X	X	X	X	X	X	X	
DO1			X	X	X	X	X	X	X	X	XX	XX	X	X	X	XX	XX	X	X	XXX		X	XXX	X	X	X	X	X	X	X	X	
DOT	XX		X		X		X	X	X	X							XXX	XX														
DOU	XX	XXXXX	XX	X	XX	X	X	XXX	XX	X	XX	XX							XXXX	X		XX	XX	XXXXXX	X	X	X	XX	X	XXXXXX		
DPW	X									X	X	XX	X				X					X	X	X		X						
DRA					X			X		X		X	X			X	X	X	XX					XX		X					X	
DS1		XX			X		X	X	X	XXX	X	X		X	X	XXXXX	X		X	X		X		XX	X							
DST		XXX	XXX	XXXXXXXX	XX	XXXXXX		XXX	XXXXXX	XXXX	XXX																					
DUG	X		XXXX		X	X	XX	X	XX	X	X					X			X	X	X	XX	X	XX	X	X	X	X	X	X	X	
DUI	XX		X	XXX		XX		XX	XX	XX	X	X	X	XXX	XX	X	X		X	X		X	XX	X	X	X	X	X	X	X	X	
DZM	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
EBAN	X									XX	X	X	XX	X		XX			X	X	X	X	X	XX		X	X	X	X	X	XXX	
EBR			X	X			X	X	X	X	X	XX	XXX			XX	X		X	X	X	X	XXX	XX	X	X	X	X	XX	X	X	
ECB	X			XX			X	X	X	X						X	X	X	XX												X	
ECH	X		X	X	XX	X	X	X	XX	XX	XX	XX	X	XX	X	XXXX	XXXX	X	X	X	X		X	XX	X	X	X	X	X	X	X	
ECHE		X		XX						X						XX								X	X						XX	
ECO	XX	X	X	X	X	XX		XXX	X	XXX	XX		X			X	X	X			XX	XXX	X	X	X	XXXXXX	X	XX	X	XXXX		
ECOG	X	X		X		X	X	XX		X	X	XX	X			X	XX		X	X	X	XX	X	XX		X						
ECP	X			XX		X	X	X	X	X			X			X	X	X									X				X	
ECR1				XX			X	X	X	X	X	XX				XX					X	X	X				X				X	
EDC	XXX	XX	XXX	XX	X	XX	XX	XX	XXX	XX	XXXXXXXX	XX	XX	XXXXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
EGD			X	X		X	X	XX		X	X	X	X	X	XX	X			XX	X			XXX	X	X	X	XXX	X				
EGRA							X									XX	X				X	X	X	XX							X	
EGUA	X	X				X			XXX	X	X	XX				X	X		X	X	X	XX	X	XX		X	X	X	X	X	X	
EHOR							X		XX	X	X	XX	X			XX			X	X	X	XX	X	XX		X	XX	XX	XXX		X	
EHUE		X					X		XX	X	X					XX			XX	X		X	XX		X	X	X	XX				
EJ1F							X		XX	X	X	X				XX			X	X	X	XX	X	XX	X	XX	XX	XXX				
EKA	XX	XXXX	XX		XXXX	XXX	XX	XX	X	X	XX	XXXX	X	XXXXXXXX	XXXX	X	XXXXXX	XXXXXX	X	XXXX	XXXXXX	X	XXXXXXXXXXXX	XXXXXX	X	XX	XXXX	XXXX	XXXX	XXXX	XXXX	
ELC	XX		X				X				X	XX				X					X	X				X					X	
ELF							X	X													X											
ELL	X	X	X	XXXX	XXXX	X	X	X	XX	XXX	X	X	XXXX	XXXX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X		X	XX	X	XX	
ELYF						X				X	X		X	X		X	X				X		X									
EMON		X					X		X	X	X	XX				XX					X	X	X			X	X	X			XX	
EN1J		X		X			X		XX	X		XX	X			XX					X	X	X	X		X	X					
ENN	XX	XXXXXX	XX	X	X	XX	X	XX	XX		XX	XXXXXX	XX	XXX	XX	XXXXXX	XXXX	XXX	X	XXX	X		X	XXXXXX	XX	X		X	X	X	XXXX	
ENR																XX	XX	XX	XX	X	X	X		XX	XX	X	X	XXX	XXX	XX	X	
ENSF				X		X					X	X				XX							X	X							X	
EPF	X	XXXXX		XXX		X	X	XX	XX	XXXXX	XX	X		X	XX	X			XX	X		X	X	XX	XX	X	X	XXXX	XXXXXX	XXXXXX	XXXXXX	
EPLA				X				XX	X	XXXXX	XX			X	XX																	

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	
ETA	X			XX				X X	X	X		X			X X X												X		X	X	
ETER								X	X			XX XX			X X							X		X XX							X
ETOR				XX				X		XXX	X XX XX XX				X XX					X		X X		X XX			X		XX		X X
EVAL				X				X			X XX XX XX				X						X X	X		X XX				XX	XX XXX		X X
EVIA	X							X		X		X			X XX					X	X X	X XX		X XX			X XX		XX XXX		X
EYL	XXXXX	X XXXX	X		XXXXXXX			XXX XXX	XX XX		X XXX X		XXXXX XXXXX XXXXXXXX	X																	
EZN	X XX X	X XXXXXXX	X XXX XX					XXXXX XXXX XXXXXXXXXXXX	XX	XX XXXX XXXXXXXXXXXXXXX	XXXXX	X										X		XX XX		X X	XX XX XX XXXX				
FAI		X			X			X X	X		X				X XXX X																
FBA	XX	XXXXXXXX	XX XX X XX	XX X	XXXX	XXXXXXXXXX	XX XXXXXXXXXX	XX XXXXXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XX	XXX X		XXXXXX		XXXXXXX	XXXXXXX	XXXXXXXXXXXXXXXXXXXX			
FDF	XX	X		X	X XX		X	X	X XX		XX				X X		X X	X			XX X X X X			X			X				X X
FEL	X	X X	XX X X	X	X X		X	XX XX X X	XX	XXXX XXXX X	X X X X	X	XXXX XXXX X	X X X X	X							X	XX X	X X X					X	X X	X
FFC	XXX	XXXX	XXXX XXX	X	XX	XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX	XXXX XXX XX
FHC	X	X					X	X	X XX X	XX X					X					X		XX XX		XX XX		X					X X
FIG							XX X	X	X		X X				X X						X	X									
FIN			X XXX	X XX X	X X	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX	X XX
FLN	X	XX X	X X XXX	XXX XX	X XX	XX		XX XXXXX	XX XX	XXXXXXXXXX	X X X X	X X XX	XXX																		
FNA	X XX X	XXX	X	XXX XX	XXXX	X	X XXXXX	X XX XX	XXXX XXX	X XX XXXX	X																				
FORR		XXXX	X XX X	X XXX				XX X XXXXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX	X XX XXX
FOX								X	X		X				X																
FRB	X	X XXXXX	XX		X X XX	X	X XX XXX XX	X X	XXXXX	X	XXXXX	X	XXXX XXXX	XX X																	
FRF	XX	X XX X	XX X XXXXX	XXXX	XX X	XXX X	XXXXXXXXXX	X XXXXX	X XXX	X X X																					
FRI	X	XXX	X X X	X X	XX	X	XXXX XX XX	XXXX X X X	X X XXX	XXX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX	XX XXX XX
FRS	X	X	X				X	X	X																						
FUO		X																													
FVI	X	XX	X	X			XX	XX XX X	X X X	XXXXXXXXXX	X X X																				
FVM	XX	XX		X X X	X X	X	X XX XX	XX X	XX X						X					X X XX X											
GAR		XX	X XX																												
GAZ	X	X XX	XX X XX X XX	X X	XX	X	X XX	X	XX XX	XX	XX X																				
GBA	XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX	XXXXXX	XXXXXX	XXXX XXXXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX	XXXX XXX
GBTN	X						X		X		X				X																
GBZT		XX XX	XXXXX		XX XX		X XXX	X	XX	XX XX	X XX	X XXXX	X	XX XXX	X	X X X															
GCC			X X X	X			X	XX		XX X	X X	XXX X X	X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X	XXX X X X
GCM							X																								
GDH							X	XX X XX XX							X																
GGC							X	XX	X						X X																
GGP			X			XX	X		X	X X					X																
GHO	XX X	XXXX	X XX X	X XXXX	X X XX	XX XXXX	XX XX	XX XXX	XX X	X XXXX XX	XXXXXX	XXX X XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX	XXX XX
GIB	X	XX XXX	X	X	X XX X	X XX X	X	XX X	X	XX X	X				XX X XX	X															
GIBL				X X XX	X	X																									
GKN	XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX																													

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	
HO0J	X	X	X	XXX	X	X		XXX			X	XX	XX	XXXXX	X	X		XX	XX	X	XXX	XXXX	XX	X	X				X	X	XX
H0L	XX	XX	XXX	XX	XX	XXXX	X	X	X	XXX	XX	X			X	XXXXXXXX		X	X	XXXX	XX	X	XXX	X	XX	X	X	XX	XX	XX	XX
HRI		X	X	XX	XX	X	X	X	X		XXXX	X	X		XXXXXXXXXX	XX		X	XX	X		X	XX	XX	X	X	X			X	X
HRT	XXXXXXXX	XXXXXX	XXXX	XXX	X	XXX	XX	XXX	XX	XXXXXX	XXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXX	XXX	XX	X	X	X	X	X	X	XX	XXX	XXX	XX
HRV											X	X			X																
HUR	XX	XX		XX	X	XX	X	X	XX	XX						XXXX	XX	XXXX	X	X	X	X	X	X	X	X	X	X	X	X	X
HVAR	X			X	X	XX	X	XX	XX	XX	X	XX	X	XX	X	XXX	X	X	XX	X	X	X	X	XX	XXX	XXXXXX	XXXXXX			X	X
HVD			XX					X	X	X													XXX	X					X	X	X
HYA				X	X			X	X	X	X	X	X	X	X				X	X		XX	X	X	XX	XXX					
HYB	XX	XX	XXXXXX	XXXX			XXXX	XXXXXX	X	XXXXXXXXXXXXXX	XX	XXXXXXXXXXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
IAS																															
IFR	X	X		XX	XXXX	X	XXX	X		XX	XXXXXX	X	XXXX	X	X			X	X	XX	XX	X	X	XXXXXX	X	X	X	XX	XX	XX	XX
IGT	X		X	X			XX	XX	X	X	X	XX	XX	X	XX	XX	X	X	X	X			XX	XX	X	XX	XXX	XXXX	X	X	XX
IHA	X	X	X	X			XX	X	X	X	XXXX	X	X	X	X	XXX							X	X							
IIA																															
IIDJ	X	X	XXX				X	X		X	XXX	X	X	X	X	XXXXX	X	X	X												
III	XXX	X					X	XX	X	XX	XXXXXX	X	X	XX	X	XX		X	XXX	X	X	XX	XX	X	XXXX	XXXXX	X	XXX	XXXXXX		
IISM	XXXX	X	X	X	X	XX	X	XX	XX	XXXXXX	XXX	XX	XXXX	XX	X	XX	X	XX	XX	X	XX	XX	X	XX	XX	XXXX	XXX	X	XX	XX	XX
IIT	XXX	X	X			X	XX	X	XX	XX	XXXX	X	X	XX	X	XX	X	X	X	X	XX	XX	X	XX	XX	XXX	X	XX	XX	XX	XX
IKZ																															
IMA	XX	X	XXXXXX	XX		X	XX	X	X	X	XXX	XX	XX	XXXXXXXXXXXXXXXXXXXX	XXXX	XX	XX	XX	X	X	XXX	XX	X	XX	X	XX	X	XX	XX	XX	X
IMI																															
INK	XXX	X	XXXXXXXXXXXX	XXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
IPM	X	X	XX	X	X	XX	XX	XXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
IR1	XX	X	XXXX	X	X	XX	XX	X	X	X	XX	XX	X	XX	XX	XX	X	XX	XXXX	XXX	X	XX	XXX	XXXX	X	X	XX	X	X	XX	XX
IR4	XX	X	XXXX	X	X	XX	XX	X	X	X	XX	XX	X	XX	XX	XX	X	XX	XXXX	XXX	X	XX	XXX	XXXX	X	X	XX	X	X	XX	XX
IR5	X	X	XXXX	X	X	XX	XX	X	X	X	XX	XX	X	XX	XX	XX	X	X	XXXX	XXX	X	XX	XXX	XXXX	X	X	XX	X	X	XX	XX
IR7	XX	X	XXXX	X	X	XX	XX	X	X	X	XX	XX	X	XX	XX	XX	X	XX	XXXX	XXX	X	XX	XXX	XXXX	X	X	XX	X	X	XX	XX
IRK	XX	X	X	XX	XX	X	XX	X	X	X	XXXX	XX	XX	XX	X	XX	XXXXXX	XXX	XXX	XXXX	XXX	X	XXX	X	XXX	XXX	XXX	XX	X	X	XX
ISA	XX		XXX		X	X	X	X	X	XXXX	XX	XX	X	XX	XX	X	X	X	XXX	XX	XX	XX	X	XX	XX	X	X	X	X	XXXX	
ISK																															
ISR	XX	X	XXX		XX	X	XX	X	XX	XX	XX	XX	X	X	XXX	X	XX	XXX	X	XX	XXX	X	X	X	X	X	X	X	X	XX	XX
ISSF																															
ITB			X				X	X	X	XX	X	X	X	X	X	X															
ITB1			X				X	X	X	XX	X	X	X	X	X	X															
ITB7			X				X	X	X	XX	X	X	X	X	X	X															
ITU																															
IUA	X																														
IZ1	XXXXXX	XXX	XX	XXXXXXXX																											
IZM	XXXX	XX	XXX	XX	XXXX	XX	XX	XXX	X	XXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX	XX																		
JACH	XX	X																													
JAU																															
JAY																															
JMB																															
JMI	XX	X																													
JNE	XX	X																													
JNW	XX	X																													
JSC	X																														
JVI	X																														
KAF	XXX	XXXXXXXX	X	X	XXXX	XXXX	XXXX	XXXXXXXXXXXXXXXXXX	X																						
KAGJ																															
KAKJ	X	X	XXX	X	X	XX	X	XXX	X	XX	X	XX	X	XXXXXXXX	X	X															
KAS	X	XX	X	XX	X	XXX	X	XX	X	XX	XX	X	XX	XXXX	X	XX															
KBA	XX		XXXXXX	XXXX	XXXX	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX															
KBS																															
KDC	XX	X	XX	X	X		X	XX	XX	XX	XX	XX	XX	XXXXXX	X																
KDZ	X		XX	X	X	X	XX																								
KEK																															
KER	X	X	X		XX		X	X	XXX	XX	X	X	X	X	X	X															
KEV	XXX	XXXXXXXX	X	XXX	XX	X	XXXX	XXXX	XXXXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXX	XXXXXX	X	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
KGM																															
KGT	XXXXXXXXXXXXXXXXXXXX	X	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
KHC	XX	XXXXXXXXXXXX	XXXX	X	XX	XXXXXXXX	XXXX	XX	X	XXXXXXXX	XXXX	XX	X	XXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
KHL	XX		XXX	X	XXXX	XX	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
KHT	X	X	XX	XX	X	X	XX	X	X	X	XXXX	X	XX	XX	XXX	X															
KHZ	X	X	X	X	XX	X	X	X	X	X	X	X	X	X	X	X															
KIC	X	X	XXXX	XXXXXX	XX	XX	XXXX	XXX	XXXXXXXX	XXXX	XXXXXXXX	XXXX	X	XXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
KIM																															
KIW																															
KKB	XX		XX	XX	X	XX	X	X																							
KKM	X	XXXX	X	X	X	X	XXX	X	X	X	XX	XXX	X																		
KKN	XX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
KLB																															
KLU	XX	X	XXXX	XX	XX	X	XXXX	X	XX	X	XXXXXX	X	XXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
KMI	X	X	XXXXXX	XXX	XX	X	X	XX	XX	XXXX	XXX	X	XXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
KMR																															

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		
KNIM	XX	X	XXXX	XX	XX	X	XX	XXX	X	X	XX	X	XXXXXX	XX	X	XX	XXXX	XX	XX	XX	X	XX	XX	XX	XX	X	X	XXXX	XXXXXXXX	X	XX	
KNK	XX	X	XXXX	XX	XX	X	XX	XXXX	X	X	XX	XX	XXXXXX	XX	X	XX	XXXX	XX	XXXXXX	XXX	X	XX	XX	XX	XX	X	X	XXXX	XX	XXX	X	XX
KNT	XXXXXX	X	XXXX		X	X	X	XXXX	X	X	XXXXXX	X	XXXXXX	X	XX	XXXXXX	XXXXXXXXXX	XXX	XXXXXX	X	X	X	XXX	XX	XX	XX	XXXX	XXXXXXXXXX				
KOD	XX		X	XX			XX	X	X	XX	X	X	XX	X	X	XXXX	X	XXXX	XX	XX	XX	XXXXXX	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X	
KOT																																
KRA		X	XXXXXX	XX	XXX	XX	XX	XXX	XXXX	XXXXXXXXXX	XXXX	X	XXXXXXXXXXXX	XXXXXX	X	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
KRI	X	X	X	XX	X	XXX	XXX	XX	XXX	X	XXXX	XXX	XXXX	XXX	XXX	XXX	XXX	X	XXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
KRO																																
KSH																																
KSP	XX	XXXXXXXXXX	XXXX	XXX	X	X	X																									
KSR																																
KTK1																																
KUMJ																																
KUPT																																
KUSJ	XX	X	X	XXX	X	X	X																									
KVN	X	X	X																													
KVT																																
KZN	X																															
LAC1																																
LAT																																
LBF	XX	X	XXXXXX	XX	X	X	XX	X	X	XXXX	XXX	XXXXXXXXXX	X	XXXXXXXXXXXXXXXXXX	X	XXXXXX	X	X	XX	XXX	XX	XXXXXX	XX	XXX	X	XXXXXXXX	XX	XXX	X	XXXXXXXXXXXX	XX	XXXX
LBFM	XX																															
LBL	X																															
LCI	X																															
LDF	XX	XXXX	X	X	XXX	XXX	XX	X	XX	XX	X	XXXX	XX	XX	XXXXXX	XX	X	XXX	X	X	XX	XXX	X	XXXXXX	X	X	X	XX	XXXX	XX	XXXX	XX
LDN																																
LESF																																
LFF	X																															
LHE																																
LHS	X																															
LIC	X																															
LIJA																																
LIS																																
LIT	XX	XXXXXXXXXX		X	X	X	XX	XXXX	X	X	XXXXXX	X	XX	X	XXXXXXXXXXXXXXXXXX	XX	X	XXX	X	X	X	XXXXXX	XX	XXXXXX	XX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
LJU	X																															
LKO																																
LLA																																
LLAV																																
LMR	XX																															
LNV																																
LOF																																
LOMF	X																															
LON	XX																															

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MCO	X	X					X	X			X	X		X		X	X		X		XX								X	X		
MCW	X						X		X		X	X	X		X							X		X	XX	X						
MDG			XX		X	X	X	X	X		X	X	X	X	XX	XX		X	X	X	XX	XX		X	X	X		X	XX	X		
MDI			X		XX		X		X		XX	X	X	X	X	XXXXXXXX		X	X	X	X		X	XXXX	X	X	X			X	X	
MDJ	X	X	XXX	X	XX	XX	XXX	XXX	X	XXXXXXXX	X	XXXXXXXXXX	X	XXXXXXXXXX	XX	XXXXXXXXXX	XX	X	X	XX	XXX	X	XXXXX	XXX	X							
MDM	XX	X		XX	X	XX		X	X	XX	X	X	X	X	XXXX	XX		XX	X	X	XX	XX	X	X	XXX	XX	X	X				
MDSJ		X	X	X				X		X	X	X		X	X								XX	X								
MDZ	XX	XX	XX	X						XXXXX	X	X	X	XXX				X	X	X	XX	XXXX	XXX	XXXXXXXXXX	X	XXXX	X	X	X	XX	X	
MEKA		X	XX		XX	X			XX	XXXX		XX	XX	X	XXXX	X																
MEM	XX	XXXX		XX	X	XX	X	XX	X	XXXX	XX	X	XX	X				XXXX	X	X	XX	XX	XXXXXX	XX	XXX		XX	XX	XXXX			
MEQ	X		X		X	XX		X	XX	X	X	XX	XX	X	XX	X		X	XX	XXX	XX	XX		X	XX	X	XX	X	XXXX	XXXX		
MEU	X		X				X	X	X	X	XX	XX	X	X	X	XX	X	XX					X	X	X	XX	XX	X	XX	XX		
MFF	X	X	XXX	X	XXXX		XX	XX	X	XX	XX	XX	XX	XX	XXXX	XXXX		XXXX	X	X	XX	XX		X	XX	XXXX	X	X	XXX	X	XXXXXXXXXX	
MFT	XXXX	XX	XX	X	XX	X	XXXXXXXXXXXXXXXXXXXX	XXXX	X	XX	XX	XX	XX	XX	XXXXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
MGG	X			X	X	XX	XX	X	X	XXXX	X	X	XX	XX	XXXX	XX		X	X	X	X		X	X	X		X	X	X	XX	XX	
MGH														X	XX	XX																
MGP				X			X	XXX		X	XX		X	X		XX		XX					X	X		X	X	X	X	X	X	
MGR				XXXXXXXX	X	XXX	X	X	X	XXX	XXXX	XX	XXXXXXXXXX					XXXX	XX				XX	XXXXXXXX	XXX	XXXX		XX	X	XX	XX	
MHC			XXX	X	X	X		X	XX		XX	XX	X	X	XXX	X		X	X	XX	XX		X	XXX	X		X	X	X	XXXX		
MID	X							XX	X			X	X		XXXX							X	X	X		X	X	X	XX			
MIN	XX	X	X		X			X	X	X	XX	XX	XX	X	X			X	X	XXX	XXX	XX	XX	XX	XXX	XX		X	X	X	X	
MKRJ		X					X	X	X	X		X		X	X								XX									
MKS				XX			XX				XX	X	X	X	XXX	XX		X	X	XXX	XXX	XXX		X	X	XX	XX					
MLR	XX	XXX	XXXX	XX	XXXXXXXXXX	XXXX	XXXX	XXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
MMB	XX		XX	XXXXXX			X	X	X		XX	X	X	X	XX	XXX	XX	XXXXXXXXXX	X				X	XX	X	XXX	XX	XX			XX	
MME	XX		XXXX	X	X	X	X	X	XX	X	XX	XX	X	XX	XXXX	X		X	X			X	XXXX	XX	X	X	X	X	X	X	X	
MLL				X	XX						X	X		X	X	X		X	X	X			X	X								
MMN		X	X	X		XX	X	X	XX	X		X	X	XXX		X	XX		X	X	XXX		XX	XX	X	X	XX	X	XX	XX	XX	
MNDI	X	X	X		XX	X	X	X	XXXX		X	X	X	XXXX	XX	XX		X	X	XX	XX	X	XXXX	X		X					X	X
MNG		X	XX	XXX	XX	X		X	X	X	X	X	X	X	XX	XX	X	XX	XX	XX	XX	XX	XXXX	XX	X		X	X	X	X	X	
MNI	XXXXXX	XXXXXX	XXXX	XXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
MNO	X	XX	X	X	X	X	X	X	X	X	X	XX	XX	XXXX	X							X	XX	X	XX	X	XX	X	XX	X	X	
MNS	XX	XX	XXXX	XX	XX	X	X	XXXX	XX	XX	X	XXX	XXXXXXXXXXXX				XX	XX	XX	X	XXXX	X	XXXXXXXX	XXXX	XXXX	X	X	XX			XX	
MOE		X		X			XX	X	XX	X	XX	X	X	X	X		XX	X	X	X	X		X	X	X	X	X	X	X	X	X	
MOF	X		X	X	X	X	X	X	X	XX	XX	XX	X	X	XXXX	XXXX		X	X	X	X		X	XX	X	X	X	X	X	X	X	
MOL				X	X	XX						XX	X	X	X			XX	X													
MOR7		X	X											X	X	X		X	XXXX													
MORO					X					X	X											XX		X		X						
MOX	XX	XXXXXXXX	XXXX	XXXX	X	X	XX	X	XXXXXXXXXXXX	XX	X	X	XXXXXXXXXXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
MRRJ		X	X	X	X			XXX		X	XX	X	X	X	X	X	X					X	XX		X	X	X					
MRW		X	X	X	X			X	X	X		X		XX	XX							X	X	X	X							
MRWA	X	XXXX	X	XX	X		XXXX	X	XXXX	X	XXXXXXXXXX	X	XX	XX	X		XX	XXXX	XX	XXXX	XXXX	X	XXXX	X	X	X	X	X	X	X	X	
MRX	XXX	X	X		XX	X	X	X	X	X	X	XX	X	XX			X	XX	X	X	XX	X	XXXX	XXX	X	XX	X	X				
MSU	XX			XXX		X	XX		XX	XX	XX	X	XX	XX				X	X	X	XX	X	XX	XX	X	X	X	X	X	X	X	
MSZ					X				X	X	X	X	X	X	X			XX	X													
MTD	XX	X	X	XX	X	XXXXXX	XXX	XX	XXXX	X	XXXXXX	XXXX	XXXX	XXXX	XXXX	XX	XXXX	XXX	XXXXXX	X	XXXX	X	XX	X	X	XX	X	XX	XX	XX	XX	
MTE				X		X	XX		XX	X	XX	XX		X	X			X	X	X	X		XX		X	X	X	X				
MTH							X		XX					X	X			X	X	X												
MTHF				X	X			X	X	X	X	XX																				
MTMJ	XX	X	XX	X	X	XX	X		XXXX	X	XX	X	X	XXXXXXXXXX	XX	X		X	XX	XX	XX	X	XX	XX	XX		X	X	XX	X	X	
MTN	XXXXXXXXXXXXXXXXXXXX	XXX	XXXX	XXXXXX	XX	XXXXXX	XX	XXXXXX	XX	XXXXXX	XXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
MTU	X	X	X	X		XX	X	X	XXXX	X	X	XXXX	X	X	XXXX		X	X	X	XX	X	XX	X	XX	X	XX	XX	XX	XX	XX	XX	
MUN		XXXX		XX	X	XX	X	XXXX	XX	XXXX	X	XXXXXX	X	XXXXXX	X		XX	X	XXXXXX	XX	X	X		X	X							
MVIF				X			X	X	X	X	X	X	X	X	X																	
MVM	XX	X			X	X	X	X	X	XX	XX		X				X	X	X	X	X	X	X	X								
MVO						X	X	X	X	X	X	XX	XX	XX	X	XX	X		X	X	XX	X	XX	X	X	X	X	X	X	X	X	
MWC	X		XX	X			X	X	X	XX	XX	XX	X	XX	X			X	X	XX	XX	XX	XX	XX	X		X	XX	XXX	X	X	
NAI		X	X	X			X	X	X	X	X		XX	X	X			XXXX	XX	XX		XX	X	XXX	X		X					
NANU	X	X	XXXX	XXX	X	XXXX	XX	X	XXXX	XXXX	XXXX	XXXXXXXXXXXX	X	X	XXXX	X	XXXX	X	XXXX													
NAO												XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
NAV	X		X				X		X	X		X										X	XX	XX								
NB2	XXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
NCG	XX	X	XXXX	XX	XX	X	XX	XXXX	X	XX	XX	XXXX	XX	X	XXXX		X	X	XXXX	XXX	X	XX	XXX	XX	X	XX	XX	XX	XX	XX	XX	
NCT	XX		XX	XX	XX	X	XXXX	X	XX	XX	XXXX	XX	X	XXXX			X	XXXX	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
NDF				X			X		X		X	X																				
NDI		XXXX	XXX				XXXXXXXXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
NEA	XX			X	XX	X	X	X	X		X		XX	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
NEV						X			X		X		X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
NEW	X	X	XXX	X	XXX	XX	XX	X	X	XX	XXX	XX	X	XX	XXXX	X		X	XXX	X	X	XX	XX	XXXX	XXX	X	XX	X	XX	XX	XX	
NGZ				X	X								X	XX	XX	X																
NI1J	XX	X	XXX	X		XX	X	X	XXXX	X	XX	X	X	XXXX	X	X						XX	X	XX	X	XX	XX	X	X	X	XX	
NU2	X	X	X	XXX																												

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	
NRA0	X			X	X	X	XXXX	X		X	X	X	X	X	X	X	X	X	X	X						X	X	XXXX	XX	X	X
NSS				X		X	XX	X		X			XX	XX	XX	X				XXX	X				X			X	X		
NST		X		X			XX	X		X	X	X		X	XX	X	XX	XX	XX	X	X	XX	XXX				X	X			
NUR	XXX	XXXXXXXX	XXXXXX	XXXX	XX	XX	XXXXXX	XX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
NVL	X	X	X	XX			X	X	XXX	XXXXXX	XX	X	XX	X	XXX	X	X	X	XXX	XX	X	XX	XX	XX	XXXX		X	X	XXX	X	X
NWAO	X	XXXX	XX	X	X	XXX		XX	X	XXXX	X	XXXXXX	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX								
OBN	XXX	XXXXXXXXXXXXXX	XXXX	XX	X	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
ODD1			X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OFUJ	XX	X	X	X	X	X	XXX	X	XXXXXX	XXXX	XX	XX	XX	XXXX	XX	XXX	XX	X	XX	X	XX	X	XX	XXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
OGA				X				X	X	X	X	XXX	X	X								X	X	X	XX	X					
OGE						X	X		X				X	X	X	X								X	X			X	X		
OHR	XXXXXXXX	XX	XX	X	X	XXX	XXXX	XX	XX	XXXXXXXX	XX	XX	XXXXXXXXXXXXXX	XXXXXXXX	XX	XX	XXXXXXXXXXXXXX	XXXXXXXX	XX	XX	XXXXXXXXXXXXXX	XXXXXXXX	XX	XX	XXXXXXXXXXXXXX	XXXXXXXX	XX	XX	XXXXXXXXXXXXXX	XXXXXXXX	XX
OLLA			X			XX		X	X	X			XXX									X		X							
OLY	X				X			X		XX	X			XX								X	X	X	XX	X					
ORI	X		X	X		XX	XX	X		X	X	X	X	X	XXX	X	X	X			X			XX	X		X	X	X		XX
ORV	XX	X	XXX	X	XXX		X	XX	XX	XXX	XX	XX	XX	XX	XX	X	X	XX	XXX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
ORX	X	X	X	X		X	X	X		X	XX	XX	X	X	XX	X	X														
OUR	X		X	X	X			X	X	XXXX	X	X	XX	XXXX	XXXXXX	XX	XXXX					X		XX			X	X			
OXX	XXXX	X	X	X	X	XX	XX	XX	X	XXX	XXX	XX	XXXX	XX		X	XXX	X	XX	XX			X	XXX		XXXX	X	XX	X	XX	XXX
PAE		X		X					X			XX									X	X	XX	X				X	X	X	
PAF			X	X										XX	X					X	X		X								
PAG	X			X	X	XX	XX	X	X	XXXX	XX	XXXX	XX	X	X	XX	XX	X	XXX	X	XXXX	X	XX		X	X	X		XX	X	XX
PAIG	XXXXXXXX	XXXX	X	X	X	X	X	XX	X	XXXXXX	X	X	XX	XXX	XXXXXX	XX	X	XXX	X	XX	X	X	X	XXX	XX	XX	XX	XXX	XXXXXX		
PAS	X		X						X	XXX	X	X	X								X	X	X	X	XX	X					
PAX	XX	XX	X	XX	X	X	X	X	X					XXXX	XX	XX	X	XX	X	XX	X	XX	X	XXX	X	X	XXX	XX	XX	X	X
PBJ	XXXXXXXX	XX	XXXXXXXX	XXX	XXXXXX	XXX	XXXX	XXXX	XXXX	X	X	XXXXXX	X	XXXX	XXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
PCC		XX	X	X			X	XX	X	XX	X	X	X	X	X	X					XX	XX	X	XX	X			X	X	XX	
PCH	XX	X	X	X	X	XX	X	XXXX	X	XXX	XX	X	XXXX	XXXX	XXX	X	X				XXX	XX			X	X	XXX	X	XX	XX	XX
PCP		X	X	XX	X	X	X	X	X	XX	XX	XX	X	XX	X	XX	X	X	X	XX	X			XX	XX	X	XXX	XXX	XX	X	
PDA	X		X		X					X	X	X	X					XXXXXX	X	X	X	X	X	X			X	X	X		
PDB	X	X	XXX	XX	XX	X	XXXX	X	X	XX	XXXX	XXXXXX	XXXX	XX	XX	X	X	X	X	X	X	XX	XX	XX	XX	XX	X	X	XX	X	XX
PEC	X	XXX	X		XX		X	X	X	X	XXX	X	X	X			X	XX	XX	XXX	X	XX		X	XX		X	XXX	X	XX	
PEL	XX	X	XX	X	X	XX	XXXX	XXXXXX	XX	X	XX	XXXX	X	XX	XXX					XXX	XX	X		X	XX	XX	X	XXX	X	XX	XXX
PERF						X	X	X	XX	XX			XX										X	X			X	X			
PGB		X	X	X	X	XX		X	X			XX	X	X	XX	XX	XX	XXXX	XXXXXX	X			X								
PGC						X	X		X	XXX	X	XX	X		X				X	X		X	X	X	XX	X		X	X		
PGD	XX	XXXX			X		X	X	X	XX	XX	XX	XX	XXXX					XX			X		X	XXXXXX	XX	X	X	X		
PGF	XX	XXXX		X	XXX	X	XX	XX	XX	XX	XX	XXXX	XXXXXX			X	X	X			X	X	XX	XX	X	X	XXX	XX	X	XX	X
PGP	XXXX	X	XX	X	X	XXXX	XXXX	XXXXXXXXXXXXXX											XXXXXXXXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
PHAM		X						X	X	X	X	X	X				X			X	X	X					X	XXX	X		
PHP			X	X	X	X	XX			X	XXX	X	X	X	XX	X	XXX	XX			XX										
PICO		XXXXXX	XX	X	XXX	X				X							XXX					X		XX							
PII		XX			X	X	X	XX	X	XX	X	X	XXX	X	XX	XXXX	X	X					XXXX	XX	X	X		X	X		
PIP	X	XXX	XXX	XXX	XXXXXXXX	X	XXXXXXXX	X											X	XXXX	XX	XX	XXX	XX	XXXX	XX	XXXX	XX	XX	XX	XX
PJG	XX	X		X	X	XX	X	X	X	XX	X	X	X	XXX	X	X	X	X	X	X	X	X	XX	XXXX	XX	XX	XX	XX	XX	X	XX
PKEM	X	X						X	X	X													X	X							
PKI	XX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
PLAT					X	X	XX	X					X	X									X	X			X	X			
PLD	X			X	X		X	X		XX	X	X	X	XX	XX	X	X	XX	XX	XXX	XX	XXX	X	X	XX	X	X	X			
PLDF	X	X		X			XX	X		X			X						XX				X	X		X	X		X	X	
PLE	X		X		X	X	X	XXX	XX	X	XX	X	XX	X	X	XX	X	XXX	X	X	X	X	XX	X	XX	X	X	X	X	X	X
PLM	X	XXX	X	XX		X	X	X	X	XXXXXX	XX	XX	X	X	XX	X	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
PLP	X	XX		XXXX	XXX	X	XX		XXXXXX													XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
PLRM	XX	X	XXX	XX	XX	XX	XXXX	X	XX	XX	XXXX	XX	X		XXXX	XX	XXXXXX	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
PMG	X	XXXX	X	XX	XXXXXXXX	X	XXXXXXXX			XXXXXX	XXXX	XXXXXXXXXXXXXX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
PMO	X		X			X		X	X	X	X	X							X	X	XX	XX	X	X	XXX			X			
PMR	XX	XXXXXXXX	XX	X	XXXX	XX	X	X	X	XXXX	XX	XXXXXXXXXXXXXX	XXXX	XX	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XXXXXX	XXXXXX	X	XXX	XXXX
PMS	XX	X	XXXX	XX	XX	X	XX	XXXX	X	XX	XX	XXXX	XX	X	XXXX	XX	XXXXXX	XXXX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
PNJ	X		X		XXXX	X	X	X		X	X	X	X	X	X	X					X	X						X	X		
PNL	X				X	XX				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX			
PNT	XX	XXX	X	X	XXX	X	X	XXX	X	XX	XXXXXX	XX	XX	XXX	XXXXXXXXXX	XXXXXXXX	XXX	XX	XXX	XXXXXX	X	X	XX	XX	X	X	XX	XX	XX	XX	XXXXXX
POO	XX	XX	X	X	XX	X	X	XXX	X	X	X	X	X	XX	XXXXXX	XX	XX	XX	XXXX	XXXX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	X
PORP				X	XX	X		XX		X	XX		X	X								X	X			X	X				
PPCY		X	X			X	X	X	X	X	X	X	X	X	X	X						X	X			X					
PPD	X	XXXX	XX	X	XXXXXXXX	X	XXX	X	XXXX	XXXXXX	X	XXX	XX	XX	XX					XXX	XXX	X	XXXX	XXX	X	X					
PPE				X	X			XX	X	X												X									
PPM	XXXX	X	X	X	X	XX	X	XX	XX	XXXXXX	XXX	XX	XX	X	XX	X	XXXXXX	X	XX	XX	X	XX	XX	X	XX		XXXX	XX	X	XXXXXX	
PPN		X	X	X		X		X	X	X	X	X										X	XX	X	XX			X	X		
PPR		X	X	X	X	XXXXXX	XXX	XXX	X	XX			XXXXXX							X	XX			XX	XX	X	XX	X	X	X	XX
PPT		X	X		X			X		X	X	X										X	X	X	X			X	X		
PR1			XX	X	X	X		X	XX	X	XXX	XX	X	X	XXX	X	X	X			XXX	XXX	XX	XX							

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PSZ	XX		X		X	X	XX		X	X	XX	X	XX		XX	XXXXXXXXXX	XX	X	X						X					X	
PT10	X	X	X	X	XX	XX	XX		XXX	X	X		XXX	X		X	X	X	XX	XXX	XX	X	X	XXX	XX	XX		X	XX		
PT1					X				X				X											X	X	X				X	X
PTJ	XX		XXX	XXX		X	XXXX	XX	X	XXX	XXX	XX	XXX	X		X	XXXXXXXXXX	XX	X	X	X	XX	X	X	XXXXXX	XXXXX	X	X	XX	X	X
PTO								X		X		X				X	X			X	X	X	X	X	XX		X	X		X	
PTT				X		X					X	X	X	X		X															
PTZ	X		X	X	X		X	XXX	X	X	X	XXX	XX	X		XX	XX	XXX	XXX	XX	X	X	XXXX	XX	X	XX	XXX	X	XXX	XXX	
PUZ		X		X	X	X	X	X	X	X		X	X	X	X	X	XX	X		X	X	X	X				X	X	X	X	
PV09			XXXX		X	X	X	X		X	XX	X				XX				XX	X	X	XXX				X	X	X	X	
PVC	X		XXX		XX	XXX	X	XXXX		X	X	X	X	X	XXXX	XXX	XXX	X	X	X	X	X	X	XX	XXX	X	X	X		XXXXX	
PVL	X			XX	X		X	XX	X	X			X	X	X	X	XX	XX	X	X		XXX	XXXXXXXX	X		X	XX	X	X	X	
PVY	X				X	X			X	XXX	X	X	X	XX	X		XX	X	X		XXX		X		XX	X	X		X	X	
PWA	XX		XXXX	XX	XX		XX	XX	X	X	X		XX	XX	X	X	X	XXXX	XX	XXXXXXXX		X	X	XXX	XX	XX	X	XXX	X	XXX	X
PZI											X		X			XX								XX		XX	X				
PZZ	X			X	X	XXXX		X	XXX	X	X	X	XX	XXXXXX	XX	XXX	XX	XX	XX	XX	XX	X	X	XX	X	XX					
QCP		X	X	X		X		X	X	XXX	X	XX	XXXXXXXX	X	X	X	XXX	X	XXXX	XXXXXXXXXX		X			X	X	X				
OIS	XX		X	X	XXXXXXXXXX		XXXXX	X	XXX	X	XXXXXXXXXXXXXX	XXXXXXXXXX	XXXXX	XXXXX				XXX	XXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXX	X	XXXXX	X	XXXXX	X	XXXXX		
OIZ	X	X	XXX	XX	XX	X	XX	XXX	X	XXXXXXXXX	X	XXXXXXXXXX	X	XX	XXXXXXXXXXXX	X	XXXX	X	XX	XXX	X	X	X	X							
QLP			X	X	XX		X	X	X	X	XX	XX	XXXX	XXXX	XXXX					XX	XX	XX	XX	XX							
QUE	XX	X			XXX					XXX	XXXXXXXXXX	XX	XX	XXXXXXXXXXXXXXXXXXXX	XXXX				XX	XXXXXXXXXX	XXXXXXXXXXXXXX	XX	XXXXXX	XX							
OUR				X			XX		X			X						X	X	X	XX		X	X	X	X					
QVP																XXXXXXXXXX	XXX	XX	X												
OZH		X	X	XX			X		X	XX	X		XXX	XX	X	X	X	XXXXXXXXXX	XX	X				X	XX	X	XX				
RAB	XX	X	X			XXX	XX	X	XX	XX	XX	XXX	XXX	XX	XXXXXX	X	X	XXX	XXX		X	XX	X	XX	X	X		XXX	X	XX	X
RAGM	XX		X		X	XX																		X	X		X				
RDN	XX		XXXX	XX	XX	X	XX	XXXX	X	X	XX	XXXX	XX	XX	X	XXXX	X	XXXXX	X	XX		X	XX	XX	XX	X	X	XXX	XX	XXX	X
RDO	X		XX	X	X	XXX	X	X	XX	X	XX	XX	XX	XX	X	X	XX	X	XXX	X		X	X	XX	XX	X	X		XX	X	X
RDP									X	XX	X	X		X	X	X							X	X	X		X				
RDS	XX				XX				X							XXX	X														
RDT	XX	X	XX	XX	XX	X	XX	XXXX	X	X	XX	XXXXX	XX	X	X		XXX	XX	X	X	X	X	X	X	X		XX	X	X	X	
RDW	XX		XXX	XX	XX	X	XX	XXXX	X	X	XX		X	XXXXX	XX	X	XXXX	X	XXXXX	X	XX	X	XX	XXX	XX	X	X	XXX	XX	XXX	X
RED	XX		XX	XX	XX	X	XX	XXXX	X	XX	XX	XX	XX	X	X	XXX	X														
REF	XX	X	XX	XX	XX	X	XX	XXXX	X	X	XX	XXXXX	XX	X	X	XXXX	X	XXXXX	X	XX	X	XX	XX	XX	XX	X	X	XXX	XX	XXX	X
REV									X				X	XX																	
REY					X			X		X																					
RFI								X		X		X				XXXXX	X														
RGS			XX	X	X		X				X	X	XX	X																	
RIY	XX						X	X		XX	XX	XX	XX	X		XX	XX	X													
RJF	X		XXX	X		XX	X	X	X	XX	X	XXXX	XXX	X		XXXXXXXX	XX														
RKG			XXXX		XX	X	X	X		X	XX	X		X	X	X		X													
RMN																															
RMP																															
RMQ	X	XXXXXX	X	XX	XXXXXXXXXX	XX	X	X	XX	XXXXXXXXXX	X	XX	XXXXXXXX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
RMW																															
RND	XX	XX		XX		X	XX	XX			XX	XX				XXXX	XX	XXXX	XX	X	XX										
ROB			X	X	XXXX	X	XXX	X	X	XX	XXXXX	XX	X	XX	XX	XX	X	X	XX	XX											
ROI	XX	X	X			XX	X	XX			XX	XX	X	XX		X	XXXXX	X													
RRL	X		X	X	XXX		XXX	X	X	X	X	XX	XXX	X	XX	XX	XX	X	X												
RS2	XX		XX	XX	XX	X	XX	XXXX	X	X	XX		X	XXXXX	X		XXXX	X	XXXX	X	XXXX	X	XXXX	XX	XX	XX	XX	XX	XX	XX	
RSL	X																														
RSM	X		X																												
RSO	XX		XXXXXXXX	XX	XXXX	XXXX	X	X	XX	XX	XXXXXXXXXX	XX	XX	XX	XXXX	X	XXXX	X	X	XXX	X	XXX	XX	XXX	X	XX	XXX	XXXXXX	X	XX	
RSP	X		X	X	XX		XXX	X	X	X	X	X	X	X	XX	XX	X	X													
RSSD																															
RTBS																															
RTCB	XXX	X		X	XX	X	XX		X	XX	XX					XXXX	XX	XXXX	XX	X	XX										
RTLL	XXX	X	XXX	X	XX	X	XXXX	X	XX	XXXXX	XXXXX	XXX	X	XX	XXXXXX	X															
RTRS	XXX	X	XXX		XX	X	XXXX	X	XX	X	X	XXXX	XXX	X	XXX	XXXX	X														
RUV			X	X			X		X																						
RVR	XX		XXX		X	X		X	X	X	XXXX	X	XX	X	XXXX	X	X														
RYD																															
RZN	XX		X	X	XX	X	X		X	XX	XX	X		X	XXX	XXX	XXXX	XXX													
SAL																															
SALF																															
SAN	XX	X	X		XX	X		X	XXX	X	X	X	XXXX																		
SAO	X		XX	X	X		X	XX		XX	X	X	X	XXX																	
SAOF																															
SBA			XXX	X		X	X	X	X	X	X	X	X	X	X	X	X	X													
SBB	X		XXX		X	XXX		X	X	XXXXXX	XX	XX	X	XXXXXX	X																
SBF	XX		XXX	X	X	XXXX	XXX	XX	X	XXXXXX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
SCH	XX		X		XX		X	X		X	XXXX	XXX	XX	X	X	X	XX	XX													
SCM	XX	X	XX		XX	X	XXX	X	X	X	XX	XXX	XX	X		XXXX	XX														
SCP																															
SCX	X																														
SDA																															
SDG	XX	XX	X	XX		XX		X	X	X	X		X			XXXX	XX	XXXX	XX	XX	X	X	XXX	X		X	XXX	XX	XX	X	
SDI	XX	X	XX	XXXX	X	XXXXX	X	XXXX	XXXXX	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
SDN	X	X	XX																												
SDV			X		X	X	XX		X	X	X	X	X	XXXX	X																
SEG																															

[illegible]

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		
TNS							X		X	X	XX	X			XX	XX	X															
TOA	XX	XXXXXXXXXX	XX		X	XX	X	X	XX	X	XX	XX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	XX	X	X	XXX	XX	X	X	XX	XXXXXX	X	XX							
TOL	XX	X	XXXXXX	XXXXXX	XX	X	XX	X	XXXXXXXXXX	XX	XXXXXX	XX	XX	X	X	XXXXXX	XX	X	XXXXXX	XX	X	X	XXX									
TOO		X	XXXXX	XX	X		X	X	XX	X	X	X	XXXXXX	X	X	XXXX	XX	XXX														
TOUF			X			X	X	X		X		XX	X																			
TOV		X		X	X	XX			X	X	X	X			X				XX	X	XX	X	X	X	X	X	X	X	X			
TPC	XX	XXX	X	XX	X	X	X		XXXXX	XX	XX	X	X	XX	XX	X	X	X	XX	XX	XX	XX	XX	XX	XX	X	X	X	X	XXXXX		
TPE					X		XX					XXX	X		XX	X	X		X													
TPM										X	XXXXX	X		XX	XX				XX	X	X	XX		X	XX		XXXXX	X	X			
TPP	X				X		X			X	X		X	X				X	XXXXXX	X	X		X	X	X	X						
TPT		X	X	X			X		X	X	X	X	X					X	X	XX	XX	X	X	XXX	X			X	X			
TPX	X					X	X	X	X	X	X	X	X	X	X	X	X			X	XX	XX	X	XXX				X	X			
TRF	XX	X		X	X	X	X	X	XX	XXX		X	X		XXXX	XX		XXXXXX	X					XXX	X	X	X	XX	XXX	X		
TRGS						X	X		X	X	X	XX																				
TRI	X		XXX		X	XXX	XX	X	XX	XX	X	X	XX	XX	XX	XX	XX	X	X	XXXXXXXX	X	XX	X		XX	XXX	XXXXX	X	XXX	X	X	
TRN	X	X	X		X		X	X	X	X		X	X		X	X			X		X	XX			X	X	X					
TRO						XXX	XX		X	X	X	X	X	X	XX	X				XXX	X	X		X	XX		X	X	X	X		
TRT		X	XXX		X	X	XXX	XXXX	XX	XXX	XXX	X	X	XXX	XX	XXXXX			X	XXXXXXXXXX				X	X	X	X	X	X	X	XX	
TSM	X	X	X	XX	XXX	XX	X	X	X	XX	XXXX	XXXXX	XX	XXXX	XX	X	X	X	X	XX	X	X	XXX	X	XXXX		XXX		X	X		
TSRJ	X	X	X	X	X	XX	X		X	XXXX	X	XX	X	X	X	XXXXXXXX	X	X	X	XX	X	X	X	X	XX	XX		X	X	XX	X	
TTA	XX		X	XX	X	XX		X	X	X	X	XX	XXXXXXXXXXXX					X	X	XXXX	XXX	XX	X		X	X	X	X	XX	XX	X	
TTG	X		X	X	X		X	X	X	XXX	XXX	XX	X	XX	X	X			XXX	X	XX	X	X	XX	XX	XX		X	X	X	X	
TUL	XXXX	XXX	X	XXXXXXXXXXXX	X	XXXX	X	XX	XX	XX	XX	XXXX	X	XX	XXX	XXX	X	XXXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXX	XXX	X	XXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	
TVO		X	X			X		X		X	X	X		X					X	X	XX	X	XX		X						X	
TWC		XX			X		X	X	X	X			XX								X					XX	X	X				
TWD		XXXX			X		X	X	X	X			XX								X			X	XX	X	X					
TWF1		XXXX	X		X		X	X	X	X			X								X			X								
TWG		X	X		X		X	X	X	X	X		X								X			X								
TWK		XXXX	X		X							XX									X			X		X	X	X				
TXNY										X	X	X	X		X	X	X				X	X	X									
TZL	XX	XX		XX	X	X	X	XX	X	X		X	X		XXX	X			XX	X	X		X		X	X	X	XX	X	X	X	
UCC	X			X				X	X	X	X	X							X		X		X	XX	X		X	X	X	X	X	
ULC	X		X	X	X			XX	X	X	X	X	X	X	XX	X	X		XXX	X		X	XX	X	X	X	X	X	X	X	X	
UNM		XX	X						X	X			X								X	X	X		XXX	X	X	XX	X			
UPA	X	XXXX	XXXXXXXXXX	XXXX	XXXXXX	XXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	X	X	XX	XXXXXXXXXX	XXXXXXXXXXXX	XXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
UPP	XX	XXXXXX	X	X	XXXX	XX	X	XXXX	XXXXXXXXXX	X	XX	X	XXXXXX	XX	X						XX	XX	X	X	XX	XXXXXXXXXXXX	X	X	X	X	X	
US1	X		X	X		X	XX	X		X	X				X	X	X				X			XX	X	XX						
UZD		X			X	X		XX	X	X		X			XXXXX						X	X	X	X	X	X	X	X	X	X	X	
VAH		X	X		X		X	X		X	X	X	X	X							XX	XX	XX	XX	X	XXX			X	X		
VAI	X	X	XXX	X	X	X	X	X	X	XX	XX	X	X	X	XXXXXX	X	X		X	XX	X			X	XXXXX		X	X				
VAL								X		X				X	X				X	X												
VAO	X	X	XXXX	X	XXX	XXXX	X	XX	XXXX	XXX	XXXX	XXXXXXXX	XXX	XX	X	X	X	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
VAY	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	X	X	XX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	
VBY	XX	XXXX	XXX	XXXXXX	X	XXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XX	XXXXXXXXXXXX	X	XX	X	XXXX	XX	XX	X	XX	XX	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
VHO		X	X	X	X					XX	XX		X	X	XX	X	X				XX			XX		XX		X	X	XX		
VITF	X		X	XX	X	X	X	XX	XX	XX	XX	XX	X	XX	XXXX	XXXX	X	X	X	X	X	X	X	XX	X	X	X	X	X	X	X	
VKA		XX	XX				X	X	X	XX	X	X	XXXX	XX							X			X		X		X	X	XX		
VLI	X	XXXXX	X	XXXXX	XX	XX	XXXXXX	XXXXXX	XXXXXX	XXXX	X	X	XX	X	XX	X	XX				XX	X	X	XX	X	XXXXXXXXXXXX	XXXXXX	X				
VLS	X	XX		X	X	XX	XX	XXXXXX	XXXXXX	XXXX	X	X			X	X					X	X	X	XX	X	XXXXXXXXXXXX	XXXX	X				
VLZ	XX	X	XX	X	XX	XX	X	X	X	XX	X	XXX	XX	X	X	XXXX	X			XXXX	X	XX	X	XX	XXX	X	X	X	XXXX	XXXXXX	X	XX
VOY	X		XXX	XX	XXXX	X	X	X	XX	X	XX	XX	X	X	XXXXXXXX				X	XXX	X	XX	X	X	XX	XXX	X	XXX		XX	X	X
VR1		XX	XX	X	XX	XXXXXX	X	XXXXX	XXX	XX	XXXXXX	X	XX	XXXXXXXXXXXX	XXXX	XX	X	XXXXXXXXXXXX	XXXX	XX	X	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
VSG	XXX	XX	X	XX	X	X	X	XX	X		XX	X	XX	XX	X	X				X	X	X	XX	XXX	X	XX						
VTS	XX		XX	X	X	XX	X	X	X		XX	X	X	X	XXXXXXXXXX				XXXXXXXXXXXX	X			X	XX	XX	X	X	XX	XX			X
VUN				X	X	X			X			X	X	X	X								X	X					X		X	
VVI								X		XX	X	X	X	X	X	XX	X			X			X	X	X	X	X	X				
VZW	X	X	XXXX		XX	X	XXX	X	XX	X	XXX	XX	X	X	XXX	X				XXXX	X	XXX	X	XX	X	X	X	XXXX	XXXXXX	X	XX	
WARB	XX	XXXX	XX	XX	XXXXXXXXXXXX	XXXXX	X	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX										XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXX	X	X	XXXXXX				
WATA			XX			X	X	X	X	X	X	X	X	X												X						
WAX	XX	X		X	XX																											
WB2	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	
WDC							X	X	XX	XX	XXX	XX	X	XX	XX	X	X		X	X	X	XXX	XX	XX	XX	XXX	XX	X	X	X	XXXX	
WDW		X	X	X			X	X	X		X	X	X		XX	X	X			X			X									
WEL		X	X	X			X				XX	X		XX	X								X									
WET		XX	X		X	XX	X	X	X	X	X	X		XXXX						X	X			X	XX							
WHH			X	X					X			X		XX									X									
WHN	X	X	XXXXXX	XXX	XXXXX	XXX	XX	X	XXXX	XXXXXXXXXX	XX	X		XXXXXXXXXX	XXXXXX	X	XX	XXXX	XXXX	X	XX	XXXX		XX	XX	XXX	X					
WIN							X		X	X	X	X		X	XX							X	X			X	X		X	XXX	X	X
WIT		XX					X	X	X	XX	X	X	X	X	X	XX	X			X				X								
WKYJ			X						X	XX		X		X	XX	X						X										
WLF	X		X		X			X	X	XX	X		X	X	X					X	X			X								
WLS	X		X	X	XX	X	X	X	XX	XX	XX	XX	X	XX	X	XXXX	XXXX	X	X	X			X	XX	X	X	X		X	X	X	X
WMO	XX	X	XXXXXX	XXX	XX	XX	X	XXXX	X	XXXX	XXXXXXXXXXXX	X	XX	XXXXXXXXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	X						
WRA	XXXX			XXXXXX		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXX											

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	
YAK	X	X	XXXXXX	XX	XXXXXXXX	XXXX	XXXXXX	XX	XXXXXXXXXX	XX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXX	XXXXXXXXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
YAMJ	X	X	X	X	X	X	X	X	XXXXXX	X	XX	XX	X	X	XX	XX	X	X	XX	X	XX	XX	XXXX	XX	X	XX	XXXX	XX	X	XXXX	XX
YANA					XX		X		X		X	X							X	X	XX		X	X	X	X				X	
YER	X	X	X	XX	XXXXX	XXX	X	X	XXX	XXXX	X	X	XXX	XXXX	XX	XXXXXX	XXX	XX	XXXX	XX	XXXX	XX	XXXX	XX	XX	XX	X	XXX	X	XX	XX
YHJ					X							X									X			X				X		X	
YKA	XXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
YLV	XXXXXXXX			X	XXXX																										
YONJ					X					X	X			X		X	X	X				X			X						
YYY		XXX	XX	X	XX	XXXX	XX	XXXX	XX	XXXX	X	XX	X	X	X	X	X	X	XX	X	XX	X	X	X	XXXX	X	X	XX	X	XX	
ZAG	X		X	X	X	X	X	X	XX	X	XX	X	X	X	XXXX	XXXX	X	X	X	X	X	X	X	X	X	X	X	X	X	XX	XX
ZOBO	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
ZON	XXX	XXX		X	X	XX	X	XX	X				X	X	XXXX	XXX							X		X	X	X	X	X	XX	X
ZSP			X	X			X		XX		X			X	X	X					X			X	X			X	X	X	
ZST	XX	XXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX

The following stations each reported less than 10 readings:

AAE	ACI	ACTN	ACU	AGAL	AKRL	ALJ	ALPW	AMAN	ANAL	ANCC	APA	APM	APD	ARO	ARTL	ASR	ASW
ATZ	AVOW	BCI	BCPM	BDF	BDNM	BEAW	BEE	BGB	BGG	BGM	BGMT	BKR	BLH	BLM	BLN	BLP	BLW
BMNM	BNM	BNS	BOH	BOT	BOB	BRVW	BST	BUGC	BURJ	BUT	BVA	BVD	BVW	BWD	BZS	CALA	CAYA
CBD	CBM	CBSW	CCM	CCW	CDFW	CDG	CDH1	CEI	CESL	CFA	CFTV	CGL	CHIE	CHOI	CIT	CIW	CKO
CLI	CLMC	CLN4	CLN6	CLNB	CNIL	COL	COR	COTA	COZ	CPB	CPW	CRF	CRNM	CROR	CRX	CTFE	CUMC
CUP	CUSS	CVT	CZM	DBO	DDM	DHLJ	DHW2	DIX	DLB	DOG	DOMF	DON	DPO	DRV	DSH	DTMT	DWM
DWY	EAB	EALH	EAU	EBG	E8H	EBL	ECF	EDI	EDM	EDR	EDU	EEO	ELO	EMEL	EMM	EMS	EPH
ERC	ERK	ESD	ESK	ESY	ETJ	ETT	ETW	EZAM	FAM	FAR	FCV	FG2	FG3	FKBC	FL2	FMA	FMW
FOO	FRO	FRU	FRV	FUG	FUL	FUR	FYU	GBL	GCG	GEN	GHW	GHZJ	GIO	GL2	GLH	GLK	GMO
GRA2	GRB5	GRBF	GRFO	GRN	GRO	GRW	GSH	GSM	GT2	GUAC	GULW	GUM2	GVN	HATZ	HBH	HBMT	H80
HDW	HIA	HITZ	HKL	HOBC	HON	HOQC	HOR	HPI	HON	HRV	HSJH	H50	HSR	HTW	HUA	HWV	HYT
IKP	ILT	IMW	INY	IXG	JAO	JARJ	JAT	JBO	JCW	JFO	JOZ	JRDJ	KDB	KETZ	KFNJ	KIP	KKS
KLL	KLM	KMOR	KOE	KONO	KOSW	KTH	KUG	LACL	LAGL	LAZ	LCCH	LDBL	LFU	LBD	LISJ	LLS	LMN
LMW	LNOR	LNR	LOCW	LOE	LOHW	LPM	LPS	LSK	LSM	LST	LTCM	LTMT	LVP	LVV	LVVM	MAJO	MBW
MBZ	MCMT	MCP	MCT	MDN	MDW	MEMT	MENF	MFTN	MHZ	MIM	MJ2	MKT	MLS	MMCZ	MMK	MNB	MNK
MNQ	MNT	MOH	MOV	MOW	MOZ	MRL	MTMW	MTUR	MTW	MUB	MUD	MUDI	MXC	NA2	NAC	NDE	NGS
NKM	NLO	NLW	NMMO	NRMS	NRN	NWRM	OBH	OD2	OGTN	OHTN	OPA	OSD	OSS	OT2	OTT	OVA	PALR
PATW	PCF	PCJ	PEM	PET	PFH	PGO	PGW	PGZ	PIG	PINI	PIO	PLAV	PLBC	PLH	PPI	PRIN	PRW
PTS	PUL	PURC	PVPS	PWLA	PWV	PYM	QTFJ	QTO	QTRJ	QUIL	OZA	OZG	RAO	RAR	RATZ	RBA	RC1
RDG	RDJ	REDW	REMW	RIV	RKT	ROCH	ROSA	RPW	RSW	RVC	RVW	SAGI	SALJ	SAP	SAW	SBC	SBG
SBM	SCE	SCI	SCY	SDH	SEO	SFS	SGV	SHBJ	SHMJ	SHW	SILC	SIM	SJAS	SKI	SLB	SLE	SLEB
SLM	SLP	SLW	SMNM	SMW	SNA	SNOW	SOG2	SOSW	SPW	SSB	STB	STD	STR	STU	SURF	SVB	SWO
SXM	TARW	TBI	TBM	TBT	TCBC	TCC	TDL	TER	TIK	TLC	TLG	TMBR	TME	TMW	TPAW	TPR	TPZ
TRO	TSI	TTH	TUNG	TWM1	TWO	TWW	TWZ	UAV	UZH	VBEM	VC1	VDCF	VDL	VFP	VGB	VIPM	VIR
VLL	VLMM	VNM	VPD	VSM	VSS	VTG	VTHM	VWV	WAH2	WBO	WG3	WGAR	WHC	WIW	WLD	WLZ	WMV
WPW	WRD	WTV	WTX	YAKW	YKU	YMT2	YMT3	YMT4	YRH	YSS	YUP	ZGN	ZLA	ZNT			