

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EARTHQUAKE DATA REPORT

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by

U.S. Geological Survey

NATIONAL EARTHQUAKE INFORMATION CENTER¹

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1993

¹USGS, Denver, Colorado

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_{SZ}). Each is a 25% trimmed mean of individual station values. Station magnitudes not used in the trimmed mean are marked with an X. This includes station magnitudes of either type which deviate significantly from the mean and surface-wave magnitudes determined from horizontal amplitudes. Body-wave magnitudes are computed according to the formula $\log(A/T) + Q$, derived by Gutenberg and Richter (1956), where A is the P-wave amplitude in micrometers, T is the period in seconds, and Q is the depth-distance factor. Surface-wave magnitudes are computed from the formula $\log(A/T) + 1.66 \log(\Delta) + 3.3$, where A is the maximum vertical surface-wave amplitude in micrometers, T is the period in seconds, and Δ is the epicentral distance in degrees. Surface-wave magnitudes are determined only for earthquakes whose focal depths (taking into account the computed standard deviations) are potentially less than 50 km, for stations having $20^\circ \leq \Delta \leq 160^\circ$, 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 RPPG represents PgPgPg.

References

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- Choy, George L. and P. G. Richards (1975), Pulse Distortion and Hilbert Transformation in Multiply Reflected and Refracted Body Waves, *Bull. Seis. Soc. Am.*, **65**, pp. 55-70.
- Gutenberg, B. and C. F. Richter (1956), Magnitude and Energy of Earthquakes, *Ann. di Geofisica*, **9**, no. 1, pp. 1-15.
- Jeffreys, Harold and K. E. Bullen (1940), *Seismological Tables*, British Assoc. for the Advancement of Science, Gray Milne Trust.
- Jordan, Thomas H. and Keith A. Sverdrup (1981), Teleseismic Location Techniques and their Application to Earthquake Clusters in the South-Central Pacific, *Bull. Seis. Soc. Am.*, **71**, pp. 1105-1130.

SEP 01, 1993 00h 32m 42.47± 0.37s
 31.639 N ± 7.3km 141.632 E ± 6.2km
 DEPTH = 33.0km (normal)
 4.7mb (19 obs.)
 SOUTH OF HONSHU, JAPAN (211)

MAT	5.65	331	iPd	34	06.20	-0.2
	1.0s	24.00nm			4.7mb	
		eS		35	11.00	
YSS	15.38	3	eP	36	18.50	0.0
		1.00um				
Z	15s	1.10um				
N	15s	1.10um				
E	14s	0.60um				
CN2	17.61	318	eP	36	45.50	-1.2
SNY	17.65	310	Pc	36	46.50	-0.8
	1.0s	28.00nm			4.3mb	
Z	18s	0.71um				
N	13s	0.60um				
		sP		36	58.00	
BJI	22.22	299	eP	37	36.50	-1.1
	1.2s	16.00nm			4.3mb	
TIY	24.71	292	eP	38	01.80	-0.1
BTO	26.94	298	eP	38	22.50	-0.3
XAN	27.53	284	P	38	26.70	-1.4
	1.0s	8.90nm			4.4mb	
		pp		38	29.70	11kmX
CIT	28.87	323	eP	38	40.00	0.0
ZAK	33.98	315	eP	39	26.90	2.1
	1.0s	10.00nm			4.7mb	
GTA	34.66	295	eP	39	25.90	-5.2X
	1.5s	8.00nm			4.4mb	
WMQ	43.65	302	P	40	46.40	0.7
	1.4s	19.00nm			4.7mb	
CRP	51.45	34	eP	41	47.25	0.8
WB2	51.76	189	iPc	41	48.30	-0.8
	0.8s	12.20nm			4.9mb	
		e		42	00.70	
NDI	55.05	285	iPd	42	14.00	0.6
ASPA	55.49	189	eP	42	17.00	0.5
SVE	59.38	321	eP	42	43.00	-0.6
ARU	60.57	321	eP	42	52.00	0.3
	1.8s	50.00nm			5.3mb	
OBN	72.54	324	ePd	44	08.00	0.2
	1.0s	14.00nm			4.9mb	
		e		44	11.00	
NSD	73.84	338	eP	44	15.60	0.4
	0.4s	0.90nm			4.1mb	
LRM	77.90	43	eP	44	38.10	-0.8
NB2	79.23	338	P	44	45.10	-0.5
	1.2s	6.90nm			4.5mb	
BW06	81.33	45	eP	44	56.40	-1.0
	2.5s	32.49nm			4.9mb	
DAU	81.64	48	(P)	44	58.74	-0.4
MSU	82.12	50	eP	45	01.43	-0.1
SRU	82.84	48	eP	45	04.37	-0.9
PV08	84.34	48	(P)	45	12.84	-0.2
KSP	84.78	329	eP	45	15.50	0.9
BRG	85.79	330	e(P)	45	19.20	-0.4
CLL	85.86	331	eP	45	21.00	1.1
GEC2	87.39	329	eP	45	28.10	0.5
	0.8s	0.62nm			3.9mb	
		e		45	31.80	
		e		45	37.20	
LOR	92.75	333	eP	45	53.30	0.7
	0.7s	3.00nm			4.8mb	
LPL	92.99	330	eP	45	54.70	0.7
	1.1s	4.65nm			4.8mb	
LPG	92.99	330	eP	45	54.90	0.8
	0.8s	2.70nm			4.7mb	
LTX	93.26	53	eP	45	54.67	-0.7
SMF	93.26	332	eP	45	55.50	0.5
	0.8s	2.55nm			4.7mb	
AVF	93.34	333	eP	45	55.80	0.5
	0.9s	3.75nm			4.8mb	
LPAZ	148.94	68	ePKP	52	22.90	-2.8X
LPB	149.10	68	PKPd	52	30.00	4.3X
CNCB	149.35	68	ePKP	52	32.00	5.8X

S.D. = 0.8 on 36 of 40 obs.

SEP 01, 1993 00h 41m 23.32± 0.14s
 31.712 N ± 3.0km 141.611 E ± 2.6km
 DEPTH = 45.7km (12 depth phases)
 5.4mb (113 obs.) 5.7Msz (42 obs.)
 SOUTH OF HONSHU, JAPAN (211)
 Mw 5.9 (HRV). Mo=1.2*10**18 Nm
 (PPT).

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
 L.P.B.: 40S, 81C
 Centroid Location:
 Origin Time 00:41:23.4 0.2
 Lat 31.59N 0.03 Lon 141.81E 0.02
 Dep 15.0 BDY Half-duration 2.0
 Moment Tensor; Scale 10**17 Nm
 Mrr= 4.04 0.08 Mtt= 0.91 0.10
 Mff=-4.96 0.10 Mrt=-0.82 0.22
 Mrf= 4.90 0.33 Mtf=-0.42 0.08
 Principal Axes:
 T Val= 6.35 Plg=65 Azm=247
 N 0.76 9 356
 P -7.11 24 90
 Best Double Couple:Mo=6.7*10**17
 NP1:Strike=198 Dip=23 Slip= 114
 NP2: 353 69 80

KAKJ	4.64	345	P	42	30.30	-2.3
		S		43	24.50	
CHJJ	4.84	334	P	42	33.20	-2.3
		eS		43	30.20	
IIDJ	4.86	322	P	42	36.20	0.3
		eS		43	32.30	
MAT	5.58	331	iPc	42	44.20	-1.8
		eS		43	49.00	
WKYJ	5.64	298	P	42	47.80	0.9
MTMJ	5.79	328	P	42	49.70	0.6
NIIJ	5.92	339	P	42	47.40	-3.3X
		eS		43	56.70	
TSRJ	6.05	311	P	42	52.40	-0.1
YAMJ	6.57	349	P	42	55.50	-4.4X
TKSJ	6.75	292	P	43	02.50	0.1
OFUJ	7.35	0	P	43	04.00	-6.8X
		S		44	20.40	
YONJ	7.64	299	P	43	15.70	0.9
SHK	8.00	293	eP	43	22.50	2.7X
SHNJ	9.15	288	eP	43	39.60	4.0X
KAGJ	9.18	270	P	43	40.70	4.7X
KUMJ	9.18	278	eP	43	39.40	3.3X
MRRJ	10.70	358	eP	43	51.70	-5.1X
		eS		45	43.10	
HOOJ	10.73	7	eP	43	50.50	-6.8X
		eS		45	39.50	
KUSJ	11.63	11	eP	44	01.00	-8.4X
		eS		46	00.90	
ASAJ	12.41	3	eP	44	13.50	-6.4X
YSS	15.31	3	eP	44	56.00	-1.8
		eS		47	56.00	
YSS	15.31	3	iPd	44	52.40	-5.4X
	1.0s	90.00nm			4.9mb	
		15s		37.00um		
		N 15s		40.00um		
		E 15s		26.00um		
MDJ	15.95	327	eP	45	04.00	-2.1
	1.4s	200.00nm			5.1mb	
		Z 16s		30.70um		
		N 14s		29.20um		
		E 14s		9.20um		
		eS		48	07.00	
		SS		48	24.00	
SSE	17.45	273	Pc	45	25.60	0.7
	1.5s	110.00nm			4.8mb	
		Z 20s		23.00um		
		N 12s		17.60um		
		E 12s		6.50um		
		S		48	42.00	
CN2	17.54	318	Pc	45	23.50	-2.5
	1.0s	23.00nm			4.3mb X	
		Z 16s		50.00um		
		N 12s		19.10um		
		E 12s		19.60um		
		eSP		45	34.00	
SNY	17.59	310	iPc	45	26.00	-0.6
	1.2s	370.00nm			5.4mb	
		Z 14s		30.90um		
		N 12s		10.60um		
		E 12s		21.20um		
		S		48	43.00	
DL2	17.80	299	eP	45	31.50	2.3
	0.8s	52.00nm			4.7mb	
		Z 15s		35.40um		
		N 12s		19.30um		
		E 12s		32.90um		
GUMO	18.29	170	eP	45	35.10	-0.3
	1.2s	1618.80nm			6.1mb	

Z	21s	3.77um			
		eS		49	00.60
PJG	18.29	170	eP	45	35.70
GUA	18.34	170	e(P)	45	36.30
	1.0s	1072.00nm			6.0mb
NJ2	19.33	277	Pc	45	46.50
	1.1s	48.00nm			4.7mb
		Z 17s		8.78um	
		N 13s		20.10um	
		E 11s		4.10um	
TIA	20.78	289	Pd	46	01.60
		Z 20s		42.40um	5.8Msz
		N 12s		10.90um	
		E 13s		22.10um	
		S		49	50.00
QZH	21.33	257	Pc	46	07.00
		Z 18s		22.40um	5.6Msz
		E 18s		9.54um	
		PP		46	34.00
BJI	22.17	299	eP	46	15.00
	1.2s	98.00nm			5.1mb
		Z 16s		17.80um	5.6MszX
		N 15s		15.50um	
		ePP		46	38.00
		eS		50	20.00
PIP	23.17	240	ePc	46	24.50
WHN	23.35	274	Pc	46	28.00
		2.0s		570.00nm	5.7mb
		Z 16s		25.40um	5.8MszX
		N 14s		10.60um	
		E 14s		17.20um	
BAG	24.44	236	ePc+	46	37.20
		eS		51	08.80
PET	24.61	25	eP-	46	40.00
	2.0s	340.00nm			5.5mb
		Z 18s		15.70um	5.5Msz
		N 20s		6.00um	
		E 16s		4.30um	
		e		47	25.00
		eS		50	56.00
TIY	24.66	292	Pc	46	40.00
	1.5s	140.00nm			5.3mb
		Z 14s		44.50um	6.1MszX
		E 13s		31.00um	
		S		51	03.00
QCP	25.32	233	eP	46	36.40
QVP	25.38	233	eP	46	44.00
PLP	25.58	221	ePc	46	49.80
HHC	25.78	299	Pc	46	51.00
	1.0s	110.00nm			5.4mb
		Z 14s		42.00um	6

01d 00h

	1.8s	167.00nm	5.5mb		Z 16s	13.50um	5.9MszX	SIT	60.37	39 P	51 40.00	10.2X
	Z 16s	13.80um	5.7MszX		N 15s	11.20um		ARU	Z 20s	4.91um		5.6Msz
	N 15s	7.80um			E 12s	7.07um			60.50	321 iPc+	51 30.70	0.0
	E 15s	5.80um				sP	49 36.60		2.0s	320.00nm		6.1mb
		e	48 37.00	298kmX		PP	51 05.00		Z 16s	8.00um		6.0MszX
		ePPP	48 55.00			PcP	51 12.50		N 14s	6.00um		
		e	50 39.00			S	55 52.50		E 15s	6.50um		
		iS	52 43.00			sS	56 05.00				51 39.00	27kmX
LZH	31.52	288 Pc	47 41.00	-2.4		SS	58 58.50			e	51 47.50	
	2.0s	120.00nm	5.3mb		SNG	45.31 246 eP	49 39.00	0.3		e	53 47.00	
	Z 15s	13.10um	5.7MszX		MTN	45.43 194 eP	49 39.00	-0.5		ePPP	55 20.00	
	N 14s	18.70um			KGM	46.62 238 ePd	49 50.00	0.9		eS	59 45.00	
		PP	48 48.00		IPM	46.63 243 ePd	49 49.90	0.7		ePS	00 00.00	
SMY	31.52	39 P	47 40.30	-2.7	SVW	49.71 34 P	50 12.30	-0.3		e	01 14.00	
	1.5s	507.83nm	6.1mb			1.3s	121.55nm	5.8mb	GBA	61.10 269 Pd	51 35.50	0.1
	Z 20s	11.98um	5.6Msz		LEM	50.21 226 iPd	50 17.00	-0.1		0.9s	10.00nm	4.9mb
CD2	32.25	279 Pc	47 46.50	-3.2X	RSO	51.05 35 P	50 20.50	-2.5	POO	61.88 275 iPd	51 41.20	0.5
	Z 16s	27.60um	6.0MszX		KDC	51.09 39 P	50 21.10	-1.9	ARMA	62.52 170 eP	51 48.00	3.3X
	N 14s	19.50um				1.2s	60.07nm	5.5mb		1.1s	28.00nm	5.3mb
		sS	53 10.00		IMA	51.24 28 P	50 23.60	-0.6	KOD	62.73 265 eP	51 46.00	-0.7
		PcS	54 21.60			2.0s	77.76nm	5.4mb	STK	63.25 180 eP	51 50.10	0.9
ZAK	33.91	315 iPc	48 04.20	0.4	CP2	51.35 34 P	50 23.80	-1.5		1.1s	6.00nm	4.6mb
	2.8s	544.00nm	6.0mb		CRP	51.40 34 P	50 24.40	-1.2	KBS	65.93 351 eP	52 06.80	0.6
	Z 13s	16.66um	5.9MszX		CTA	51.70 174 eP	50 23.00	-5.0X	BWA	66.10 174 eP	52 09.00	1.2
	N 12s	8.35um				2.0s	44.12nm	5.1mb		ePp	52 13.70	15kmX
	E 12s	18.72um			Z 18s	8.25um	5.8Msz		ASH	66.46 301 iPc	52 11.20	1.0
		e	49 12.00	351kmX		i	50 40.00	66kmX		N 13s	5.16um	
		eS	53 34.00			i	50 50.00		E 13s	5.26um		
		e	56 05.00			iS	57 45.00			eS	01 00.00	
IRK	33.98	318 iPc	48 04.50	0.1		i(SS)	58 12.00		CAN	67.04 173 eP	52 12.80	-1.0
	1.6s	77.00nm	5.4mb			eSS	00 18.00			e	52 18.60	19kmX
	Z 16s	15.27um	5.8MszX			e	04 00.00		YKA	68.35 29 eP	52 21.20	-0.5
	N 12s	8.33um			WB2	51.83 189 iPd	50 28.60	-0.4		1.1s	14.40nm	4.9mb
	E 14s	11.24um				0.6s	64.80nm	5.8mb	SDF	69.98 338 iP	52 31.10	-0.5
		e	48 17.00	47km			eS	57 44.70	MCW	70.31 44 P	52 35.08	1.1
		e	49 26.00		WRA	51.83 189 P	50 28.20	-0.9	GMW	70.83 46 P	52 37.20	0.0
		eS	53 34.00			0.6s	42.40nm	5.6mb	BMW	71.03 47 P	52 38.35	-0.1
GTA	34.61	295 eP	48 09.00	-1.2	QIS	52.01 182 eP	50 30.00	-0.3	JCW	71.06 45 P	52 38.76	0.2
	2.0s	120.00nm	5.5mb		SLKM	52.31 35 P	50 30.00	-2.3	BAK	71.45 306 iPc	52 44.00	3.1X
	Z 16s	21.70um	6.0MszX		PMR	52.86 34 P	50 33.80	-2.5		iS	02 06.00	
	N 13s	6.43um				1.3s	109.65nm	5.7mb	RMW	71.46 45 P	52 41.20	0.1
		sP	48 23.00		Z 19s	3.30um	5.4Msz		FMW	71.78 46 P	52 43.87	0.7
		PP	49 22.00		KSH	52.89 298 iPc	50 38.00	1.0	RNO	71.84 49 P	52 44.66	1.3
		PcP	50 50.00			1.4s	120.00nm	5.7mb	ASR	72.19 46 P	52 46.21	0.8
		sS	53 50.00		Z 16s	13.10um	6.1MszX		SHE	72.20 307 iPc	52 47.00	1.6
		ScP	54 27.50		N 13s	11.30um				1.0s	80.00nm	5.6mb
		ScS	58 30.50		E 13s	10.30um			Z 14s	3.00um	5.7MszX	
KMI	34.68	269 eP	48 09.00	-2.0		sP	50 50.00		N 14s	7.50um		
	Z 16s	16.10um	5.9MszX			S	58 09.00		E 15s	10.00um		
	N 13s	5.20um			FRU	53.18 302 iP	50 39.40	0.4		iS	02 12.00	
	E 15s	9.00um				2.8s	910.00nm	6.3mb	SSOR	72.24 48 P	52 46.30	0.5
		pP	48 19.50	37km	Z 16s	9.00um	5.9MszX		WTV	72.47 44 P	52 47.31	0.3
		sP	48 23.50		N 16s	10.00um				72.47 324 iPc	52 46.30	-0.4
		PP	49 31.00		E 16s	7.50um			OBN	1.6s	110.00nm	5.6mb
		S	53 34.00			eS	58 10.00			Z 14s	5.70um	6.0MszX
		sS	53 52.00		FBA	53.57 30 P	50 40.40	-1.1		N 14s	3.40um	
KKM	34.87	228 ePd	48 05.50	-7.1X		0.7s	14.51nm	5.1mb		E 16s	6.80um	
ADK	36.40	44 P	48 22.70	-2.3	KLU	54.40 34 P	50 46.30	-1.5		e	52 58.00	39km
	1.0s	73.75nm	5.6mb		HON	54.43 85 P	50 57.50	9.1X		ePP	55 56.00	
CHTO	40.42	262 iPc	48 58.40	-0.5		Z 19s	9.39um	5.9Msz		ePPP	57 13.00	
	0.8s	19.22nm	4.9mb		NDI	55.01 285 eP	50 52.50	-0.1		iS	02 10.00	
TIK	40.57	354 iPc+	49 00.00	0.5		0.9s	67.23nm	5.7mb		iPS	02 40.00	
	2.0s	80.00nm	5.1mb		ASPA	55.56 189 iPc	50 55.10	-1.3		i	05 40.00	
	Z 15s	7.50um	5.7MszX			0.5s	31.30nm	5.6mb		iSS	06 48.00	
		i	49 17.00	68kmX	Z 23s	5.80um	5.6MszX			eSSS	10 12.00	
		i	50 33.00			eS	58 37.60			LQ	15 00.00	
		i	50 56.00		BALM	56.15 35 P	50 58.90	-1.6	SAW	72.80 44 P	52 49.11	0.2
		iS	55 10.00		HYB	58.38 272 ePc	51 16.40	-0.3	PUL	72.87 330 ePc	52 49.00	0.0
		e	58 36.00			eS	59 18.00			2.0s	160.00nm	5.6mb
NST	40.93	257 eP	48 59.00	-4.1X	DZM	58.53 153 iPd	51 18.10	0.5		e	53 03.00	49km
BDT	41.10	260 eP	49 04.00	-0.5	INK	59.07 26 eP	51 20.00	-0.8		e	55 32.00	
	0.7s	30.10nm	5.1mb			1.0s	15.00nm	5.1mb		eS	02 12.00	
NNT	42.88	253 eP	49 19.90	0.8	SVE	59.31 321 iPc+	51 23.00	0.4		e	02 52.00	
ILT	42.91	21 iPc	49 18.80	0.1		3.0s	525.00nm	6.1mb		e	06 50.00	
	1.4s	144.00nm	5.5mb		Z 15s	12.50um	6.2MszX		GRO	72.93 311 iPc+	52 51.50	1.9
	Z 18s	4.80um	5.4Msz		N 15s	4.00um				i	55 37.00	
	N 18s	6.50um			E 15s	7.00um				iS	02 16.00	
		i	49 34.20	60kmX		i	52 09.00	200kmX		iPS	02 58.00	
		i	51 00.00			e	53 38.00		VGB	72.99 47 P	52 48.70	-1.4
		iS	55 36.00			ePPP	55 04.00		CROR	73.11 47 P	52 51.59	0.8
		iSSS	59 10.00			eS	59 30.00		KAF	73.12 334 eP	52 49.70	-0.7
LSA	43.12	281 Pc	49 23.60	2.1		e	01 00.00		WAH2	73.15 45 P	52 51.49	0.6
	Z 16s	14.80um	6.0MszX		BRS	59.73 169 iP	51 23.00	-2.8	KMPM	73.18 53 P	52 52.20	0.9
	N 14s	6.02um				1.0s	3.50nm	4.4mb	DFW	73.42 44 P	52 53.24	0.7
	E 14s	7.32um			Z 18s	19.00um	6.3Msz		VIPM	73.56 48 P	52 53.89	0.3
WMQ	43.59	302 iPc	49 25.30	0.6		i	51 27.00	13kmX	LGPM	73.82 52 P	52 54.70	-0.4
	2.0s	160.00nm	5.4mb			iS	59 35.00		NEW	73.87 43 P	52 54.70	-0.4

	1.1s	64.04nm	5.5mb	KIS	81.02	320	iP+	53	35.00	0.4		e	54	15.00
	Z 18s	4.85um	5.8MsZ				e	56	40.00			e	54	24.00
WDC	74.17	52 P	52 56.50 -0.4				ePPP	58	27.00			e	54	33.50
	1.6s	73.07nm	5.4mb				iS	03	42.00			e	54	48.50
	Z 18s	3.37um	5.7MsZ				eSS	09	02.00			ePP	57	22.50
LBFM	74.24	51 P	52 58.10 0.5	PEC	81.24	56 P	53 36.30 0.2					e	57	34.00
MTA	74.28	309 iP+	52 58.40 0.9		1.5s	64.97nm	5.4mb					e	57	46.00
	N 18s	3.00um		BW06	81.29	45 P	53 36.10 -0.4				VKA	86.55	327 e(P)	54 02.00 -0.7
	E 18s	5.00um			1.0s	15.35nm	4.9mb					5.0s	858.00nm	6.2mb X
		iS	02 32.40	DAU	81.60	48 P	53 38.10 -0.1				Z	14s	4.70um	6.0MsZ X
PYA	74.28	312 iP	52 58.00 0.4	WAR	81.61	328 eP	53 40.00 2.4					i	54	04.00 6kmX
	Z 16s	7.00um	6.0MsZ X		Z 15s	23.00um	6.7MsZ X					LR	41	00.00
	N 16s	3.00um				e	03 50.00				TUC	86.56	54 P	54 04.50 1.3
	E 16s	6.00um		AKU	81.65	352 eP	53 40.80 3.3X					1.3s	48.88nm	5.6mb
		e	55 46.00		1.2s	25.00nm	5.1mb				Z	18s	6.77um	6.1MsZ
		iS	02 31.00	ARUT	81.66	51 P	53 39.30 0.9					86.65	325 e(P)	54 03.00 -0.2
		iPS	03 10.00	LVV	81.78	325 iP+	53 40.00 1.5				MOX	86.87	331 ePc+	54 04.70 0.5
		eSS	07 18.00			iS	03 51.00					2.2s	82.00nm	5.6mb
LNOR	74.35	46 P	52 58.83 0.9	MSU	82.09	50 P	53 40.60 -0.1					eS	04	43.00
KIV	74.55	312 eP	52 52.10 -7.2X	EMUT	82.22	48 P	53 41.60 0.2				EDU	87.10	341 eP	54 05.30 0.1
	3.8s	1225.00nm	6.2mb X	CFR	82.54	319 eP	53 42.00 -0.5				KHC	87.16	329 P	54 06.50 0.8
	Z 15s	4.00um	5.8MsZ X	COP	82.75	334 iP+	53 45.00 1.6					1.0s	5.40nm	4.7mb
		iS	02 27.80		Z 16s	4.85um	6.0MsZ X				Z	14s	6.90um	6.2MsZ X
NUR	74.73	333 eP	52 59.70 -0.1			iS	04 01.00				N	14s	1.50um	
TAB	74.98	306 iPc	53 03.00 1.2	SRU	82.81	48 P	53 44.20 -0.2				E	14s	4.00um	
ERE	75.21	308 iP+	53 05.00 2.0			pP	54 00.00 56km					e	54	11.50 16kmX
		iS	02 45.00	VRI	82.90	320 iPc	53 44.50 0.1					e	57	30.00
ORV	75.36	52 P	53 02.60 -1.2	TLB	82.97	319 eP	53 45.00 0.2					S	04	44.00
KER	76.21	302 iPc	53 09.00 0.1	GLA	83.33	55 P	53 46.70 -0.3					e	11	28.00
COE	76.36	55 P	53 10.60 1.1	UZH	83.42	324 ePc	53 47.50 0.5				GEC2	87.32	329 ePc	54 06.50 -0.1
ARN	76.41	54 P	53 09.90 0.0		Z 17s	11.00um	6.3MsZ X					1.9s	32.75nm	5.3mb
SOC	76.60	313 iPc	53 11.00 0.3		N 17s	9.00um						e	54	11.20 15kmX
	3.0s	200.00nm	5.6mb		E 17s	11.00um						e	54	13.20
	Z 17s	3.00um	5.7MsZ X			e	53 59.80 41km					e	54	17.50
	N 14s	1.80um				e	56 59.00					e	54	26.60
	E 16s	2.50um				eS	04 08.00					ePP	57	30.30
		e	56 08.00			ePS	05 19.00					e	57	40.20
		ePPP	57 56.00	BMR	83.45	323 ePd	53 50.00 2.8					e	57	43.20
		eS	02 56.00	ISR	83.46	320 eP	53 50.00 2.6					e	57	47.80
		ePS	03 40.00	OJC	83.55	327 iPd	53 48.40 0.7					e	57	54.80
SAO	76.76	55 P	53 10.40 -1.4		1.6s	132.00nm	5.7mb					e	57	58.00
	1.2s	24.12nm	5.1mb			i	54 02.00 46km				ELO	87.35	342 eP	54 06.60 0.1
	Z 18s	4.50um	5.8MsZ			i	54 11.10				ESY	87.53	341 eP	54 07.60 0.3
CMB	76.87	53 P	53 12.40 0.0			eS	04 09.00				KMR	87.71	328 iP-	54 11.00 2.7
	1.1s	74.33nm	5.6mb	MLR	83.56	320 eP	53 44.00 -4.0X					iPP	57	35.80
	Z 19s	4.94um	5.8MsZ	RSSD	83.70	41 P	53 48.50 -0.4				WTS	87.72	334 eP	54 08.50 0.3
ANN	77.40	315 iP-	53 16.00 0.9		1.6s	71.72nm	5.5mb					1.0s	12.80nm	5.1mb
		e	53 28.00 40km		Z 20s	2.00um	5.5MsZ				GRF	87.76	330 iPc	54 09.50 1.0
		e	56 13.00	PV09	84.05	48 P	53 51.10 0.3					2.2s	80.00nm	5.6mb
		ePPP	57 57.00	SPC	84.05	326 eP	53 51.00 0.5				Z	18s	1.50um	5.4MsZ
		iS	03 04.00	BUC	84.16	319 ePd	53 43.00 -7.8X					e	54	31.80 82kmX
MNK	77.52	326 eP	53 12.00 -3.5X	PV10	84.18	48 P	53 51.90 0.5					eSKS	04	51.60
	Z 16s	7.50um	6.1MsZ X	CMP	84.20	321 ePd	54 02.00 10.9X				EAB	87.77	342 eP	54 08.00 -0.5
	N 16s	6.20um		PV08	84.31	48 P	53 52.50 0.3				EBL	87.78	341 eP	54 08.80 0.3
	E 16s	7.80um		BHL	84.52	307 P	53 54.00 1.0				ALQ	87.90	50 P	54 10.20 0.5
		ePPP	57 54.00			S	04 16.00					1.3s	40.80nm	5.5mb
		eS	02 58.00	KSP	84.71	329 iPc	53 54.50 1.0				Z	18s	7.62um	6.1MsZ
		eSS	08 00.00			e	57 07.00					pP	54	25.40 52km
UPP	77.81	335 iP	53 16.60 -0.4	BRNL	84.81	331 iPc	53 54.80 0.9				VAY	88.14	319 iP	54 04.00 -6.5X
		iS	03 08.00			eS	04 22.00				EKA	88.20	341 Pd	54 11.90 1.4
LRM	77.86	43 iPc	53 18.10 0.1	BRN	84.88	331 eP	53 56.00 1.7					1.8s	38.10nm	5.4mb
MEMM	78.04	53 P	53 20.20 1.5	GOL	85.66	45 P	54 00.00 1.2				DBN	88.24	335 eP	54 04.00 -6.7X
BONR	78.32	53 P	53 20.10 -0.6		1.3s	106.55nm	5.9mb				Z	20s	2.20um	5.6MsZ
BCH	78.51	56 P	53 22.10 0.5		Z 19s	4.10um	5.8MsZ					eS	04	52.00
SNZO	78.82	155 eP	53 20.00 -2.7	BRG	85.71	330 iPc	53 58.80 0.3					ePS	05	58.00
		S	03 19.00		1.7s	62.00nm	5.5mb				SKO	88.33	320 P	54 11.00 -0.4
TNP	78.99	52 P	53 24.00 -0.3			iS	04 30.00				Z	16s	5.25um	6.0MsZ X
	0.9s	12.79nm	4.9mb	GLD	85.72	45 P	53 59.70 0.7					LR	37	49.00
HFS	79.00	336 eP	53 23.10 -0.5		1.5s	92.04nm	5.8mb				BNS	88.40	333 iP+	54 11.30 -0.3
	0.7s	24.00nm	5.2mb		Z 19s	4.61um	5.9MsZ				Z	14s	9.30um	6.3MsZ X
NB2	79.16	338 P	53 24.30 -0.2			pP	54 15.60 56km					i	06	00.00
	0.9s	16.20nm	5.0mb	CLL	85.79	331 iPc	53 59.10 0.2				PTJ	88.42	325 eP	54 10.90 -1.0
SIM	79.26	316 eP	53 27.00 1.7		1.6s	60.00nm	5.6mb				ZAG	88.47	325 eP	54 11.80 -0.2
		e	56 23.00			i	54 20.70 79kmX				BHG	88.52	328 eP	54 13.00 0.7
		iS	03 26.00			e(S)	04 30.00				LJU	89.00	326 e(P)	54 14.50 -0.1
ABL	79.29	56 P	53 26.60 0.6	PRU	86.11	329 iPc	54 00.80 0.3					e	54	36.50 80kmX
HHAI	79.29	46 P	53 27.10 1.4		2.0s	102.00nm	5.7mb					e	57	46.00
ISA	79.39	55 P	53 25.70 -0.6		Z 15s	4.00um	5.9MsZ X					eS	04	40.00
	1.4s	45.12nm	5.2mb		N 15s	5.50um					ENN	89.04	334 eP	54 15.00 0.4
	Z 19s	4.64um	5.8MsZ		E 20s	2.90um						1.0s	10.00nm	5.1mb
PTI	79.53	46 P	53 27.80 0.7			pP	54 22.50 80kmX				VBY	89.05	325 eP	54 15.50 0.7
HVU	79.88	47 P	53 29.40 0.4			PP	57 20.40				OHR	89.27	320 eP	54 18.00 2.0
DUG	80.74	48 P	53 33.20 -0.3			S	04 34.20				CEY	89.28	326 eP	54 16.00 0.1
	1.8s	126.16nm	5.6mb			SS	10 05.70				VOY	89.31	327 e(P)	54 16.00 -0.1
	Z 18s	3.34um	5.7MsZ			e(S)	04 30.00					e(SP)	54	31.70
GSC	80.74	54 P	53 33.90 0.4	ZST	86.23	326 eP	54 02.00 0.9				WTTA	89.42	329 iPc	54 16.70 -0.1
KONO	80.74	338 eP	53 16.12 -16.8X		1.8s	101.00nm	5.7mb					0.9s	9.40nm	5.1mb
						e	54 08.50 20kmX							

01d 00h

UCC 89.59 334 P i 57 45.80
e 54 18.00 0.8
S 05 05.00 43km
TRI 89.61 326 e(P) 54 16.00 -1.4
e 54 29.00 43km
e(PP) 57 48.00
e(SP) 06 04.00
e(SS) 11 12.00
WLF 89.83 333 P 54 19.00 0.7
SNF 89.86 334 P 54 18.00 -0.5
CTI 90.34 328 P 54 21.80 0.9
1.1s 17.80nm 5.3mb
CDF 90.39 332 iPc 54 21.10 0.0
1.4s 19.15nm 5.3mb
SLE 90.39 330 ePc 54 21.10 0.0
OSS 90.52 329 ePc 54 22.10 0.2
ZLA 90.66 330 eP 54 22.70 0.4
LLS 90.88 330 ePc 54 23.40 -0.1
DLF 90.93 342 eP 54 29.00 5.7X
VDL 90.97 329 P 54 27.60 3.6X
BSF 91.05 331 iPc 54 23.90 -0.3
0.9s 6.40nm 5.0mb
DCN 91.08 342 eP 54 31.00 6.9X
HAU 91.09 332 iPc 54 24.20 0.0
1.2s 10.70nm 5.1mb
Z 20s 4.15um 5.9Msz
ACO 91.34 45 iPc 54 26.90 1.3
TMA 91.53 329 ePc 54 26.40 -0.1
ARV 91.65 325 P 54 27.60 0.7
1.5s 88.90nm 6.0mb
VAI 91.76 329 P 54 27.50 0.2
1.3s 97.80nm 6.1mb
SFI 91.85 326 P 54 32.10 4.4X
1.2s 43.60nm 5.8mb
MMK 91.96 330 ePc 54 29.10 0.5
ASS 92.10 325 P 54 32.00 2.9X
1.2s 20.10nm 5.4mb
DIX 92.18 330 ePc 54 30.20 0.6
ORO 92.29 329 P 54 30.10 0.2
0.4s 34.20nm 6.1mb
LOR 92.67 333 iPc 54 31.50 -0.1
1.4s 31.35nm 5.6mb
Z 21s 3.35um 5.8Msz
LSD 92.78 330 P 54 32.66 0.3
LBF 92.86 332 iPc 54 32.30 -0.1
1.3s 14.80nm 5.3mb
PCP 92.90 328 P 54 32.79 0.1
LPL 92.92 330 iPc 54 33.10 0.1
0.7s 9.15nm 5.3mb
LPG 92.92 330 iPc 54 33.30 0.2
0.7s 17.40nm 5.6mb
SSF 92.98 333 iPc 54 33.10 0.2
1.3s 26.00nm 5.5mb
RSP 92.98 330 P 54 33.53 0.4
FLN 93.02 336 iPc 54 33.20 0.1
1.5s 43.85nm 5.7mb
Z 20s 3.25um 5.8Msz
LDF 93.04 336 iPc 54 33.60 0.4
1.3s 29.95nm 5.6mb
SMF 93.19 332 iPc 54 34.00 0.1
1.5s 55.35nm 5.8mb
BHB 93.22 329 P 54 32.52 -1.6
LTX 93.23 53 P 54 34.10 -0.4
AVF 93.26 333 iPc 54 34.40 0.2
0.9s 23.10nm 5.6mb
FIN 93.31 328 P 54 34.72 0.2
BNI 93.31 330 P 54 35.50 0.8
1.3s 31.60nm 5.6mb
RRL 93.37 330 P 54 35.36 0.3
ROB 93.39 329 P 54 35.31 0.4
GRR 93.47 336 iPc 54 35.50 0.3
1.4s 44.85nm 5.7mb
PZZ 93.56 329 P 54 35.72 -0.1
BGF 93.65 333 iPc 54 36.40 0.3
0.8s 5.90nm 5.1mb
STV 93.67 329 P 54 33.66 -2.6
IMI 93.68 328 P 54 35.22 -1.1
LPF 93.84 336 iPc 54 37.20 0.3
1.5s 49.10nm 5.7mb
SOI 94.01 320 P 54 38.90 1.1
1.1s 18.20nm 5.4mb
MAF 94.04 333 iPc 54 38.50 0.6
1.6s 36.70nm 5.6mb
TCF 94.12 333 iPc 54 38.50 0.2
0.9s 8.20nm 5.2mb
MFF 94.74 335 iPc 54 41.80 0.7

SLM 0.9s 7.85nm 5.1mb
Z 95.00 38 P 54 50.00 7.6X
RJF 95.21 333 iPc 54 43.80 0.5
0.9s 9.15nm 5.2mb
Z 21s 2.83um 5.7Msz
FVM 95.38 39 P 54 45.00 0.9
1.0s 11.26nm 5.3mb
Z 18s 4.31um 6.0Msz
LFF 95.81 333 iPc 54 46.90 0.9
1.0s 13.40nm 5.4mb
LPO 95.86 333 iPc 54 47.10 0.9
1.7s 26.45nm 5.5mb
CVT 96.06 322 P 54 55.20 8.0X
MIAR 96.11 43 P 54 46.40 -1.1
0.8s 27.46nm 5.8mb
Z 20s 2.65um 5.7Msz
CBM 97.25 20 P 55 00.00 7.5X
Z 18s 1.75um 5.6Msz
RSNY 97.26 25 P 55 00.00 7.4X
Z 19s 2.22um 5.7Msz
YSNY 97.47 29 P 55 00.00 6.4X
Z 18s 2.58um 5.8Msz
DRV 98.07 181 eP 54 40.00 -15.3X
PP 59 10.00
S 08 06.00
SS 13 30.00
LBNH 98.45 24 P 55 10.00 12.1X
Z 18s 1.52um 5.5Msz
BINY 98.73 27 P 55 10.00 10.8X
Z 19s 2.84um 5.8Msz
MCWV 99.24 31 P 55 10.00 8.4X
Z 18s 2.31um 5.7Msz
HRV 100.10 24 Pdfff 55 20.00 14.7X
Z 18s 1.92um 5.6Msz
LSCT 100.23 26 Pdfff 55 20.00 14.1X
Z 19s 2.39um 5.7Msz
MYNC 100.88 37 Pdfff 55 20.00 11.0X
Z 18s 2.04um 5.7Msz
CEH 102.67 33 Pdfff 55 30.00 13.1X
Z 21s 2.20um 5.7Msz
BUL 119.47 263 ePKP 00 11.60 1.5
SPA 121.54 180 iPKPd 00 13.10 0.5
0.6s 3.25nm 5.9Msz
Z 20s 2.52um 5.9Msz
SLR 122.03 258 ePKP 00 14.20 -0.7
0.7s 11.00nm
BLF 124.98 255 e(PKP) 00 14.00 -6.5X
NVL 132.40 200 (PKP) 00 32.00 -1.2
e 02 57.00
ARE 146.34 71 ePKP 01 05.00 4.6X
LPAZ 148.92 67 iPKPd 01 09.60 4.7X
LR 52 38.00
LPB 149.09 68 PKP 01 10.20 5.3X
e 15 24.00
CNCB 149.34 68 PKP 01 07.70 2.3X
CCH 151.12 67 PKP 01 14.00 6.2X
PPD 164.98 53 ePKP 01 30.50 6.8X
S.D. = 1.1 on 268 of 325 obs.
* SEP 01, 1993 03h 22m 27.89± 0.86s
23.138 S ± 9.6km 69.442 W ± 13.4km
DEPTH = 141.7 ± 13.2 km
NORTHERN CHILE (123)
Felt (II) at Antofagasta.
ANT 1.06 238 iP+ 22 52.90 0.3
iS 23 10.00
CNCB 6.44 13 iP 24 03.10 1.0
i 24 34.30
(S) 25 00.00
CCH 6.51 29 P 24 03.40 0.5
LPB 6.69 11 Pc 24 07.80 2.4X
e 24 39.00
ARE 6.92 343 eP 24 07.00 -1.3
LPAZ 6.93 10 iP 24 08.80 0.0
PEL 10.03 186 eP 24 57.50 8.0X
SIV 10.62 49 P 24 51.60 -5.8X
PPD 16.78 90 eP 26 13.80 -2.1
e 26 18.30
RSTA 18.72 99 (P) 26 39.00 0.8
VAO 20.68 94 eP 26 58.50 0.1
e 27 02.00
VAO2 21.05 95 eP 27 02.70 0.5
e 27 06.60
BAO 21.55 74 eP 27 07.40 0.2
GTA 161.38 27 ePKP 42 12.60 0.0

1.5s 27.00nm
Z 16s 2.97um
N 13s 0.87um
pP 42 19.50
sP 42 24.50
ScS 52 32.50
S.D. = 1.1 on 11 of 14 obs.
SEP 01, 1993 03h 35m 27.38± 0.20s
31.859 N ± 4.0km 141.641 E ± 3.6km
DEPTH = 44.3km (9 depth phases)
5.1mb (66 obs.) 4.9Msz (30 obs.)
SOUTH OF HONSHU, JAPAN (211)
Mw 5.4 (HRV).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 17C
Centroid Location:
Origin Time 03:35:29.2 1.6
Lat 31.77N 0.23 Lon 141.55E 0.15
Dep 15.0 FIX Half-duration 1.0
Moment Tensor: Scale 10**17 Nm
Mrr= 0.20 0.08 Mtt= 0.47 0.15
Mff=-0.67 0.09 Mrt=-0.37 0.26
Mrf= 1.00 0.23 Mtf=-0.04 0.06
Principal Axes:
T Val= 1.05 Plg=48 Azm=222
N 0.29 22 338
P -1.34 34 83
Best Double Couple: Mo=1.2*10**17
NP1:Strike=227 Dip=23 Slip= 160
NP2: 335 82 68
MAT 5.47 330 iPc 36 47.90 -0.6
1.0s 120.00nm 5.2mb
eS 37 52.00
MRRJ 10.56 358 eP 37 56.30 -2.7
eS 39 46.30
HOOJ 10.59 7 eP 37 53.70 -5.7X
eS 39 41.90
KUSJ 11.48 11 eP 38 04.90 -6.6X
eS 40 02.60
ASAJ 12.26 3 eP 38 18.10 -3.9X
VLA 13.63 328 iPc 38 38.00 -2.1
YSS 15.16 3 ipd 38 57.50 -2.5
1.0s 30.00nm 4.5mb
Z 15s 5.20um
N 16s 5.40um
E 15s 3.00um
MDJ 15.85 327 eP 39 08.00 -0.8
1.5s 94.00nm 4.7mb
Z 16s 3.77um
N 13s 3.48um
E 13s 1.08um
eS 42 06.00
CN2 17.45 318 eP 39 27.60 -1.4
1.0s 12.00nm 4.0mb X
Z 16s 5.00um
N 12s 1.98um
E 12s 2.00um
eS 39 37.50
SSE 17.47 273 eP 39 26.00 -3.3X
Z 20s 2.80um
S 42 44.00
sS 42 58.00
SNY 17.52 310 Pc 39 30.00 0.1
1.5s 250.00nm 5.1mb
Z 13s 3.92um
N 12s 1.27um
E 13s 2.66um
DL2 17.75 299 eP 39 34.00 1.2
Z 13s 4.69um
E 12s 5.03um
GUMO 18.43 170 eP 39 41.00 -0.2
1.1s 374.10nm 5.5mb
PJG 18.43 170 eP 39 40.70 -0.5
GUA 18.48 170 eP 39 40.50 -1.4
0.8s 340.30nm 5.6mb
e 39 43.30
NJ2 19.33 277 eP 39 50.50 -1.4
Z 15s 1.45um
N 12s 2.29um
TIA 20.76 289 Pc 40 06.40 -0.4
Z 18s 4.55um 4.9Msz
BJI 22.12 299 eP 40 19.00 -1.5
1.5s 81.00nm 4.9mb
Z 14s 1.47um 4.6MszX

WHN	N	12s	1.22um			
		23.36	274 eP	40	32.00	-0.7
		1.5s	80.00nm			5.0mb
	Z	12s	3.61um			5.1MsZx
PET	E	16s	4.58um			
		24.47	25 eP	40	44.00	0.8
	Z	18s	1.70um			4.6MsZ
			e	41	15.00	153kmX
BAG				41	36.00	
TIY		24.55	236 eP	40	43.10	-1.4
		24.63	292 Pc	40	45.00	-0.1
	Z	14s	8.33um			5.4MsZx
	E	13s	3.88um			
HHC			S	45	03.00	
		25.73	299 eP	40	55.00	
		1.2s	69.00nm			5.1mb
	Z	14s	5.91um			5.3MsZx
	N	12s	1.22um			
	E	13s	3.11um			
			PP	41	39.00	
	BTO				41	05.00
		26.85	298 P			5.1mb
		1.0s	50.00nm			
	N	13s	1.77um			
	E	16s	2.84um			
XAN			eS	45	42.00	
		27.48	283 P	41	09.80	-1.7
		1.6s	96.00nm			5.2mb
	Z	15s	4.35um			5.2MsZx
	N	12s	1.03um			
	E	12s	1.03um			
			pP	41	21.20	43km
	CIT			41	24.30	2.0
GYA		28.70	323 eP	41	47.00	4.5X
		30.93	269 P	41	47.00	4.7MsZ
	Z	18s	1.58um			
	N	16s	1.56um			
YAK	E	16s	1.01um			
		31.14	349 iPd	41	43.40	-0.4
		1.2s	90.00nm			5.4mb
	Z	17s	1.80um			4.8MsZx
	N	18s	1.20um			
	E	14s	0.80um			
			e	42	49.00	345kmX
			iS	46	47.00	
SMY			P	42	00.00	13.9X
		31.39	39 P			4.8MsZ
	Z	20s	2.08um			
	LZH			41	46.20	-1.2
		31.50	288 Pd			5.0mb
		2.0s	50.00nm			4.9MsZx
	Z	14s	2.03um			
	N	12s	1.49um			
			pP	41	57.00	40km
			sP	42	04.00	
			PP	42	50.00	
			eS	46	46.00	
CD2			sS	47	01.00	
			SCS	52	19.50	
		32.25	278 eP	41	52.00	-1.9
	Z	16s	3.56um			5.2MsZx
ZAK	N	15s	4.88um			
		33.83	314 iPc	42	08.00	0.7
		1.6s	67.00nm			5.3mb
	Z	11s	1.47um			5.0MsZx
	N	11s	0.96um			
	E	12s	1.44um			
			eS	47	34.00	
	KMI			42	20.00	4.5X
		34.71	269 eP			5.1mb
		1.5s	40.00nm			5.0MsZx
	Z	16s	2.40um			
	N	15s	1.20um			
TIK	E	15s	1.30um			
			eS	47	48.00	
		40.42	354 iPc	43	03.50	1.0
		1.6s	26.00nm			4.8mb
			e	44	35.00	497kmX
			eS	49	13.00	
	CHTO			43	02.50	-1.0
	ILT		40.47	262 eP	43	22.20
		42.77	21 iPc			5.1mb
		1.4s	57.00nm			37km
			i	43	32.80	0.7
WMQ		43.54	302 iPc	43	29.20	5.2mb
		2.0s	90.00nm			4.6MsZx
	Z	16s	0.55um			
	N	15s	0.74um			
	E	15s	1.81um			
			pP	43		

SDN	46.39	42 P	44 00.00	9.0X
Z	20s	1.59um		5.0Msz
SVW	49.57	35 eP	44 14.94	-0.8
TTA	49.63	32 eP	44 15.37	-0.8
LEM	50.33	226 iPd	44 21.00	-1.2
RSO	50.92	36 eP	44 24.88	-1.3
IMA	51.10	28 eP	44 26.84	-0.5
	1.1s	7.62nm		4.6mb
CP2	51.22	35 eP	44 28.09	-0.4
		e	44 40.77	46km
CRP	51.26	35 eP	44 27.93	-0.8
CTA	51.84	174 eP	44 36.00	2.7
		i	44 50.00	52km
WB2	51.98	189 iPd	44 32.70	-1.7
	1.0s	37.20nm		5.3mb
		eS	51 42.20	
WRA	51.98	189 P	44 33.00	-1.4
	0.6s	12.30nm		5.1mb
PMR	52.73	34 eP	44 37.50	-2.0
	1.2s	28.24nm		5.1mb
Z	19s	0.41um		4.5Msz
KSH	52.85	298 eP	44 40.50	-0.4
	1.0s	40.00nm		5.4mb
Z	16s	1.79um		5.2MszX
N	13s	1.25um		
E	12s	1.29um		
		pP	44 46.00	18kmX
		sP	44 49.00	
		ScP	45 44.00	
		ScP	49 42.00	
		eS	52 09.00	
		ScS	54 26.00	
		SS	55 43.00	
FRU	53.12	302 iPc	44 43.20	0.4
	2.2s	200.00nm		5.7mb
Z	16s	1.30um		5.1MszX
N	16s	1.50um		
E	16s	1.30um		
FBA	53.43	30 eP	44 43.92	-0.7
	0.8s	6.90nm		4.7mb
KLU	54.26	34 eP	44 50.09	-0.9
HON	54.39	85 P	45 00.00	7.7X
Z	20s	0.97um		4.9Msz
NDI	55.00	285 iPd	44 57.50	0.8
ASPA	55.71	189 eP	45 00.80	-0.9
	1.0s	9.70nm		4.8mb
BALM	56.02	35 eP	45 02.13	-1.6
DZM	58.65	153 iPd	45 26.60	3.9X
INK	58.93	26 eP	45 24.00	0.0
	1.0s	5.00nm		4.6mb
SVE	59.21	321 iPc	45 26.80	0.7
	1.9s	100.00nm		5.6mb
Z	14s	1.60um		5.3MszX
N	14s	0.50um		
E	14s	0.90um		
		e	46 10.00	187kmX
		e	47 45.00	
		eS	53 36.00	
BRS	59.87	169 iPd	45 17.00	-13.9X
	1.5s	4.00nm		
		i	45 30.00	46km
SIT	60.24	39 P	45 40.00	6.9X
Z	20s	0.61um		4.7Msz
ARU	60.40	321 iPc	45 34.20	0.0
	2.0s	200.00nm		5.9mb
Z	16s	1.00um		5.1MszX
N	16s	0.50um		
E	16s	1.00um		
		e	45 41.00	22kmX
		e	47 46.00	
		eS	53 49.00	
GBA	61.13	268 P	45 40.00	0.2
POO	61.89	275 eP	45 45.50	0.5
ARMA	62.66	170 eP	45 50.00	0.2
ASH	66.41	301 eP	46 15.60	1.5
SDF	69.86	338 iP	46 34.90	-0.2
GMW	70.71	46 eP	46 40.38	-0.3
RMW	71.34	45 eP	46 43.77	-0.8
SHW	71.65	47 (P)	46 46.44	-0.1
LON	71.66	46 eP	46 47.54	1.1
OBN	72.37	324 iPd	46 51.00	0.6
	1.0s	39.00nm		5.3mb
Z	14s	0.90um		5.2MszX
N	14s	0.30um		
E	14s	0.90um		
		ePcP	47 06.00	
		ePP	49 35.00	

PUL	72.76	330	eS	56	10.00	
KAF	73.00	334	iP	46	54.00	1.5
KMPM	73.07	53	eP	46	53.80	-0.2
DPW	73.30	44	eP	46	55.90	0.5
LGPM	73.71	52	eP	46	55.90	-0.2
NEW	73.74	43	eP	46	57.61	-1.1
	1.0s	20.89nm			56	-1.4
Z	21s	1.76um			5.0mb	
WDC	74.06	52	P	47	10.00	9.5X
	20s	0.53um			4.8Msz	
LBFM	74.13	51	eP	47	01.26	0.1
KIV	74.47	312	iPc	46	56.70	-6.3X
Z	14s	0.40um			4.9MszX	
		e		47	11.80	54km
		eS		56	29.60	
ORV	75.25	53	eP	47	06.24	-1.2
		e		47	23.14	61kmX
ARN	76.31	55	eP	47	12.95	-0.6
SAO	76.66	55	P	47	30.00	14.6X
	18s	0.61um			4.9Msz	
CMB	76.76	53	eP	47	15.69	-0.3
	1.3s	21.63nm			5.0mb	
Z	19s	0.54um			4.9Msz	
MNK	77.41	326	eP	47	18.00	-1.2
UPP	77.69	335	iP	47	20.90	0.3
LRM	77.74	43	ePd	47	21.90	0.4
BNOR	78.22	53	eP	47	24.14	-0.2
BCH	78.41	56	eP	47	24.19	-1.0
HFS	78.88	336	eP	47	26.90	-0.3
	1.1s	25.70nm			5.1mb	
NB2	79.03	338	P	47	28.40	0.3
	1.1s	20.50nm			5.0mb	
HHAI	79.17	46	eP	47	30.21	0.9
ISA	79.29	55	P	47	40.00	10.0X
Z	19s	0.54um			4.9Msz	
PTI	79.41	46	(P)	47	30.78	0.1
HVU	79.77	47	eP	47	32.86	0.3
DUG	80.62	48	ePc	47	37.47	0.4
	1.1s	16.70nm			4.9mb	
Z	19s	0.38um			4.8Msz	
GSC	80.63	54	(P)	47	39.13	1.9
BW06	81.17	45	eP	47	39.32	-0.8
	1.2s	9.18nm			4.6mb	
DAU	81.48	48	eP	47	40.79	-1.1
ARUT	81.55	51	eP	47	42.18	0.1
MSU	81.97	50	eP	47	44.35	0.0
EMUT	82.10	48	eP	47	44.87	-0.1
SRU	82.69	48	ePc	47	47.72	-0.3
VRI	82.80	320	eP	47	48.50	0.3
TLB	82.88	319	eP	47	54.50	6.0X
GLA	83.23	55	eP	47	50.37	-0.3
UZH	83.31	324	eP	47	51.50	0.8
	1.0s	31.00nm			5.3mb	
Z	17s	1.50um			5.4MszX	
N	17s	1.00um				
E	17s	1.50um				
		e		48	04.10	42km
OJC	83.45	327	eP	47	52.60	1.2
	1.2s	53.00nm			5.5mb	
		e		48	04.50	39km
MLR	83.47	320	eP	47	45.50	-6.3X
RSSD	83.57	41	eP	47	53.19	0.7
Z	1.2s	15.09nm			4.9mb	
	19s	0.24um			4.6Msz	
PV09	83.93	48	ePd	47	54.61	0.1
SPC	83.94	326	eP	47	55.10	0.9
PV10	84.06	48	ePd	47	55.54	0.4
PV08	84.19	48	eP	47	55.84	0.0
KSP	84.60	329	iPc	47	58.50	1.3
		e		51	14.00	
GOL	85.54	45	P	48	10.00	7.5X
Z	19s	0.46um			4.9Msz	
GLD	85.60	45	(P)	48	04.30	1.6
	1.5s	24.45nm			5.2mb	
Z	19s	0.92um			5.2	

ZST	86.13	326	eP	48	06.00	1.2			Z	18s	0.18um	4.6MsZ			eS	11	26.08					
			e	48	29.50	87kmX			LSCT	100.08	26	Pdiff	49	20.00	10.5X	SLKM	1.70	81	eP	11	05.51	-1.6
			ePP	51	28.00				Z	20s	0.51um	5.0MsZ			eS	11	29.51					
TUC	86.46	54	eP	48	08.12	1.2			MYNC	100.74	37	Pdiff	49	20.00	7.4X	SYI	1.81	159	ePc	11	06.06	-2.1
	1.5s		14.31nm			5.0mb			Z	20s	0.22um	4.7MsZ			eS	11	32.07					
UZD	86.55	325	e(P)	48	07.60	0.7			LPZA	148.84	67	iPKPc	55	13.80	4.8X	SUA	1.83	49	eP	11	06.80	-1.8
MOX	86.75	331	eP	48	08.60	0.7					LR	46	00.00			eS	11	34.50				
	1.8s		26.00nm			5.2mb			LPB	149.01	68	ePKP	55	11.00	2.0	SKT	1.97	30	iPd	11	09.01	-1.0
KHC	87.05	329	eP	48	10.50	1.1			CNCB	149.26	68	ePKP	55	13.00	3.4X		eS	11	36.63			
	1.5s		8.50nm			4.8mb					i	55	31.70		SEW	2.09	94	eP	11	09.40	-1.9	
Z	14s		0.80um			5.3MsZ			CCH	151.03	67	ePKP	55	18.00	6.1X	MPA	2.13	83	eP	11	09.29	-2.4
N	14s		0.30um							S.D. = 1.0	on 130	of 164	obs.		PMS	2.21	63	P	11	10.30	-2.4	
E	14s		0.50um													S			11	40.20		
			e	48	33.50	85kmX			* SEP 01, 1993	03h	57m	54.28±	1.07s		PWA	2.28	52	P	11	11.10	-2.3	
			e	48	52.50					16.997	S ±11.2km	73.045	W ± 9.8km		PTE	2.34	74	eP	11	12.13	-2.1	
			e	51	19.50					DEPTH = 33.0km	(normal)				PLRM	2.55	57	eP	11	14.93	-1.7	
			e	51	35.50				NEAR COAST OF PERU			(115)			KDC	2.62	167	P	11	14.30	-3.3	
GEC2	87.21	329	ePKP	48	09.70	-0.6			ARE	1.58	71	iPd	58	19.50	-1.1	CUT	2.66	36	eP	11	16.25	-1.8
	1.7s		5.47nm			4.5mb			LPB	4.76	85	P	59	06.80	0.8	PWL	2.67	76	eP	11	15.75	-2.5
			e	48	15.30	18kmX					iS	00	27.00		GHO	2.72	55	eP	11	15.96	-2.9	
			e	48	21.20											eS	11	49.94				
			e	48	24.40				LPZA	4.76	82	Pc	59	06.10	-0.1	LTI	2.90	93	eP	11	18.56	-2.4
			e	48	34.50				CNCB	4.85	89	iPd	59	07.90	0.5	SML	2.99	57	eP	11	19.02	-3.1
			e	48	40.50						i	59	13.00		MTU	3.00	93	eP	11	20.57	-1.7	
			e	51	32.00						(S)	00	23.00		CFI	3.01	70	eP	11	19.93	-2.4	
			e	51	41.90				NNA	6.19	323	eP	59	26.00	0.1	HUR	3.29	34	eP	11	23.78	-2.1
			e	51	48.30					0.5s	17.61nm		5.0mb	X	SCM	3.43	61	eP	11	26.31	-1.4	
			e	51	51.70						i	59	29.00									

CVP	2.79	151	iPc	22	09.00	-30.5X						SVE	56.88	325	iPd	31	40.50	0.3
			eS	22	25.00								1.9s	100.00nm			5.5mb	
BCP	3.73	177	ePd	23	14.50	21.4X						Z	12s	0.50um			4.8MsZx	
			eS	23	54.50							N	12s	0.10um				
BAG	3.74	177	eP	22	52.00	-1.1						E	12s	0.20um				
QZH	5.04	341	ePn	23	08.50	-2.9								e		31	50.00	31km
	Z	12s	6.02um									ARU	57.88	325	iP	31	46.70	-0.5
	N	12s	2.16um									Z	16s	0.50um			4.7MsZx	
	E	12s	2.38um									E	14s	0.50um				
QCP	5.54	173	eP	23	19.00	0.6								e		32	37.00	222kmX
TGY	6.05	175	iPc	23	30.00	4.2X						ARMA	58.58	148	eP	31	53.30	0.8
HKC	6.19	291	iP	23	24.20	-3.5X							0.6s	7.00nm			4.9mb	
GQP	6.53	162	ePc	23	33.00	0.6						BWA	60.48	154	eP	32	05.90	0.5
			eS	24	25.00									e		32	15.90	33km
GZH	7.18	295	P	23	37.20	-4.4X						ILT	60.65	22	iPc	32	04.50	-1.6
	N	10s	4.00um										1.4s	98.00nm			5.7mb	
	E	10s	3.29um									CAN	61.49	154	eP	32	12.20	-0.1
QIZ	10.02	265	eP	24	17.60	-3.4X						CNB	61.64	153	iPc	32	13.30	-0.1
	N	12s	2.27um										1.4s	54.00nm			5.5mb	
	E	12s	3.74um									KIV	67.58	310	iPd	32	44.40	-7.7X
			eS	26	06.20							IMA	70.11	26	iPd	33	07.07	-0.2
SSE	10.90	4	eP	24	37.50	4.6X							0.8s	7.06nm			4.8mb	
	Z	18s	1.80um									OBN	70.20	323	iP	33	07.00	-0.8
	N	16s	2.50um										1.1s	39.00nm			5.4mb	
	E	16s	4.80um									FBA	72.70	27	eP	33	20.75	-1.9
WHN	11.69	333	eP	24	39.50	-4.1X							0.8s	10.01nm			4.9mb	
	Z	12s	5.41um									PMR	72.70	30	eP	33	21.01	-1.6
	N	12s	4.25um										0.7s	11.48nm			5.0mb	
	E	12s	2.67um									PUL	72.85	328	(P)	33	23.00	-0.5
NJ2	11.92	354	Pc	24	45.50	-1.2							Z	15s	0.60um			5.0MsZx
	Z	14s	1.78um										E	14s	0.50um			
	N	12s	2.94um											i		33	33.50	34km
	E	11s	1.30um									SDF	73.10	336	eP	33	24.00	-0.9
			S	27	00.00							KLU	74.23	30	eP	33	31.02	-0.6
GYA	14.09	299	P	25	12.80	-2.9						KAF	74.28	331	eP	33	31.00	-0.8
	Z	14s	4.88um										0.6s	8.00nm			4.9mb	
	N	10s	2.92um									NUR	75.45	329	eP	33	37.90	-0.7
	E	10s	1.00um										0.6s	8.00nm			4.9mb	
KKM	14.62	197	ePd	25	22.40	-0.3							75.60	322	eP	33	38.00	-1.5
	0.8s	45.90nm				5.0mb						INK	77.21	21	ePc	33	48.00	-0.3
TIA	16.24	350	eP	25	44.60	1.1							0.9s	6.00nm			4.6mb	
	Z	16s	3.29um			4.9MsZ						CFR	77.51	314	eP	34	01.00	10.6X
	E	12s	1.46um									TLB	77.76	313	eP	33	50.00	-1.8
KMI	17.03	290	Pc	25	53.50	-0.3						VRI	78.28	315	ePd	33	54.50	-0.2
	2.0s	80.00nm				4.5mb						MLR	78.92	314	iPc	33	58.00	-0.4
	Z	14s	4.10um			4.6MsZx						UPP	78.99	330	iP	33	57.80	-0.4
	N	10s	1.90um									UZH	80.29	318	ePc	34	04.50	-1.0
	E	10s	2.80um										1.0s	31.00nm			5.3mb	
			sP	26	05.50							HFS	80.70	331	eP	34	06.60	-0.8
XAN	17.17	326	P	25	54.50	-0.7							0.5s	4.60nm			4.8mb	
	1.6s	120.00nm				4.8mb						OJC	81.28	320	eP	34	11.40	0.7
	Z	12s	3.44um			5.1MsZx								e		34	21.50	32km
	N	12s	3.59um									SPC	81.38	319	iP	34	12.80	1.3
	E	12s	1.03um									NB2	81.43	332	P	34	10.30	-1.0
			sP	26	06.50								0.9s	12.60nm			4.9mb	
LOE	17.90	264	eP	26	04.30	0.0						NAO	81.69	332	P	34	10.02	-2.6
TKSJ	18.33	39	P	26	11.40	1.8						VAY	82.59	311	iP	34	17.50	-0.2
CD2	18.42	309	eP	26	11.40	0.6						SKO	83.16	312	iPd	34	21.00	0.4
	Z	12s	3.16um			5.4MsZx							0.9s	80.00nm			5.8mb	
	N	10s	4.16um									UZD	83.37	317	eP	34	22.00	0.4
			pP	26	19.00							ZST	83.68	319	eP	34	24.00	0.9
			esP	26	24.00									e		34	34.00	32km
DL2	18.70	3	eP	26	16.00	1.9						IVA	83.89	313	iPd	34	25.47	1.0
	Z	13s	1.01um									OHR	83.91	311	iP	34	23.70	-0.9
	E	12s	2.02um										1.0s	60.00nm			5.7mb	
			S	29	40.00							PVY	83.94	313	iPd	34	25.26	0.5
TIY	18.81	340	Pd	26	15.80	0.3						PLE	84.07	314	iPd	34	26.62	1.3
	Z	13s	4.55um									BRG	84.46	322	iPd	34	27.80	0.8
	N	13s	2.19um										1.6s	56.00nm			5.5mb	
	E	12s	1.84um											i		34	37.10	29km
YONJ	18.88	35	P	26	22.40	6.0X						PRU	84.49	321	iPd	34	27.80	0.6
WKYJ	19.42	41	P	26	23.80	1.0							1.4s	67.10nm			5.7mb	
NST	19.80	260	eP	26	26.00	-0.9						TTG	84.49	313	iPd	34	27.65	0.3
BJI	20.14	351	eP	26	30.00	-0.3						NKY	84.53	314	iPd	34	28.11	0.4
	1.0s	77.00nm				5.0mb						ULC	84.68	313	iPd	34	27.38	-0.9
	Z	14s	1.47um			4.5MsZx						BRY	84.80	314	iPd	34	29.26	0.2
	N	12s	0.92um									CLL	84.81	323	iPd	34	29.00	0.3
			eS	30	16.00								1.3s	47.00nm			5.5mb	
CHTO	20.28	270	ePd	26	32.20	0.2						BDV	84.85	313	iPd	34	28.52	-0.6
	1.0s	20.00nm				4.4mb						HCY	85.01	313	iPd	34	29.44	-0.5
BDT	20.48	265	eP	26	34.00	0.0						PTJ	85.32	317	iPd	34	32.50	1.0
TSRJ	20.55	39	P	26	36.50	1.8						ZAG	85.34	317	iPd	34	32.50	1.0
NNT	21.20	252	eP	26	43.60	2.1						KHC	85.42	321	Pd	34	32.90	1.0
LZH	21.51	321	iPd	26	45.00	0.3								i		34	38.80	31km
	2.0s	380.00nm				5.5mb											-0.6	
	Z	13s	2.37um			4.8MsZx											-0.5	
	E	12s	1.74um														1.0	

01d 04h

	1.0s	12.90nm	5.1mb	DCN	94.02	332 eP	35	12.30	0.0	E	12s	1.15um	
GEC2	85.47	321 ePd	34 42.50	ECP	94.37	330 eP	35	13.60	-0.3	GTA	34.63	295 eP	40 16.00
	0.8s	16.64nm	5.3mb	ECB	94.44	331 eP	35	14.00	-0.3		1.5s	13.00nm	4.6mb
				RJF	94.44	322 iPd	35	15.30	0.8	Z	16s	1.09um	4.7MsZ
					1.3s	24.90nm			5.5mb	N	12s	0.27um	
KMR	85.55	320 iP-	34 33.80	1.2s	21.70nm				5.5mb	CHTO	40.40	262 eP	35 41.50
WET	85.83	321 iPc	34 35.10	LGPM	95.57	43 eP	35	20.76	0.8	WMQ	43.62	302 P	36 08.00
MOX	85.89	323 iPd	34 34.70	LBPM	95.93	42 eP	35	22.03	0.4	Z	14s	0.52um	4.6MsZ
	1.8s	40.00nm	5.3mb	CMB	98.73	44 (P)	35	34.23	0.1	E	12s	0.85um	
HOF	85.89	322 iPc	34 33.60	1.3s	11.14nm				5.2mb		pP	36 13.00	17kmX
VBV	85.93	317 iPd	34 35.40	LTX	114.98	42 ePKP	40	35.15	-1.2		sP	36 17.50	
LJU	86.16	318 ePd	34 36.00	LPZ	171.02	66 iPKPd	42	05.00	1.4		S	42 36.60	
CEY	86.36	318 ePd	34 37.00			LR	42	00.00		IMA	51.29	28 (P)	37 08.89
BHG	86.46	320 iPd	34 37.90	LPB	171.15	67 PKPd	42	04.80	1.4		1.0s	5.50nm	4.5mb
	0.9s	18.00nm	5.3mb		1.0s	16.00nm				CTA	51.64	174 eP	37 08.00
CSY	86.51	184 eP	34 36.60	CNCB	171.37	69 PKPd	42	04.20	0.5	WB2	51.77	189 iPc	37 10.00
	0.5s	3.90nm	4.9mb	PPD	172.05	255 (PKP)	42	04.00	0.9		0.9s	18.00nm	5.1mb
GRF	86.55	322 iPd	34 38.20	CCH	173.21	67 PKP	42	05.50	1.4		eS	43 40.10	
	1.8s	40.00nm	5.3mb		S.D. = 0.9	on 165 of 180 obs.				WRA	51.77	189 P	37 10.39
VOY	86.57	318 iPd	34 37.80								0.8s	10.80nm	4.9mb
		ePcP	34 41.10		SEP 01, 1993	06h 28m 05.31± 0.27s				KSH	52.91	298 eP	37 20.50
		eP	34 46.00		31.652 N ± 5.4km	141.599 E ± 5.3km				Z	15s	0.94um	5.0MsZ
YKA	86.94	22 eP	34 39.20		DEPTH = 42.3km (3 depth phases)					E	12s	1.29um	
	1.2s	6.70nm	4.7mb		4.8mb (29 obs.)	4.3MsZ (2 obs.)					pP	37 32.00	40km
WTTA	87.42	320 iPd	34 41.90		SOUTH OF HONSHU, JAPAN	(211)					eS	44 48.00	
	0.9s	23.10nm	5.4mb	MAT	5.63	331 iPd	29	27.50	-1.3	FRU	53.20	302 eP	37 20.00
WATA	87.42	320 iPd	34 41.70		1.4s	104.65nm			5.1mb		2.5s	150.00nm	5.6mb
SQTA	87.70	320 iPd	34 43.00			iS	30	32.30		NDI	55.02	285 iPd	37 35.50
MOTA	87.70	320 iPd	34 42.90	YSS	15.37	3 eP	31	36.00	-4.7X	ASPA	55.50	189 eP	37 38.50
	0.9s	10.00nm	5.1mb		Z	15s			1.10um		0.5s	9.50nm	5.1mb
OGA	87.97	320 iPd	34 45.00		N	15s			1.00um	INK	59.13	26 eP	37 55.50
	1.0s	17.00nm	5.3mb		E	14s			0.50um		1.0s	4.00nm	4.5mb
ENN	89.00	325 eP	34 49.50	MDJ	16.00	327 eP	31	47.90	-0.9	SVE	59.35	321 eP	38 06.00
	1.0s	13.00nm	5.2mb		1.2s	22.00nm			4.2mb		2.0s	240.00nm	6.0mb X
WLF	89.44	324 iPc	34 52.39		17.44	274 eP	32	06.00	-1.1		e	38 20.20	52km
	1.1s	97.50nm	6.0mb	SSE	Z	16s			1.30um	BRS	59.67	168 eP	38 05.00
CDF	89.44	322 iPd	34 51.50		N	12s			0.80um	ARU	60.54	321 eP	38 12.50
	1.0s	11.80nm	5.1mb		E	12s			0.90um		2.0s	70.00nm	5.4mb
BSF	90.02	322 iPd	34 53.90		CN2	17.58	318 eP	32	07.60	Z	16s	0.50um	4.8MsZ
	1.0s	10.60nm	5.0mb			1.0s	58.00nm		4.7mb	GBA	61.09	269 P	38 18.00
DOU	90.07	325 iPc	34 54.70			Z	16s		2.00um	OBN	72.51	324 eP	39 30.00
HAU	90.19	322 iPd	34 54.60			N	12s		0.94um		1.0s	14.00nm	4.9mb
	0.8s	5.25nm	4.9mb			E	12s		0.48um	Z	16s	0.50um	4.9MsZ
	Z	22s	0.10um								e	39 58.00	110kmX
PCP	90.61	318 P	34 56.70	SNY	17.62	310 iPd	32	10.10	0.9	KAF	73.17	334 eP	39 33.00
FIN	90.98	318 P	34 57.94		1.2s	84.00nm			4.7mb	LGPM	73.87	52 (P)	39 36.33
LSD	91.01	320 P	34 59.54		Z	13s			1.55um	LBPM	74.29	51 (P)	39 40.68
ROB	91.15	318 P	34 59.17		E	13s			0.93um	KIV	74.59	312 eP	39 42.60
LPG	91.23	320 iPd	35 00.60			S	35	27.00			1.6s	41.00nm	5.1mb
	0.8s	31.30nm	5.7mb	DL2	17.82	299 eP	32	14.00	2.3	Z	15s	0.10um	4.2MsZ
LPL	91.23	320 iPd	35 00.60		Z	14s			0.88um	ERE	75.23	308 eP	39 48.00
	0.9s	35.40nm	5.7mb		E	12s			1.54um	CMB	76.91	53 eP	39 53.59
PGF	91.29	317 iPd	35 00.60	GUMO	18.23	170 eP	32	18.20	1.3		0.8s	3.43nm	4.4mb
	0.9s	51.10nm	5.9mb		1.1s	270.80nm			5.3mb	LRM	77.91	43 eP	40 00.60
IMI	91.33	318 P	34 59.72	PJG	18.23	170 eP	32	18.60	1.7		e	40 16.60	57kmX
ENR	91.46	319 P	34 59.50	GUA	18.28	170 eP	32	18.40	0.8	HFS	79.06	336 eP	40 04.80
RRL	91.50	319 P	35 00.73		1.0s	232.00nm			5.3mb		0.4s	1.70nm	4.4mb
STV	91.51	319 P	34 59.54	NJ2	19.32	277 P	32	29.50	-0.4	NB2	79.21	338 P	40 06.80
SBF	91.64	318 iPd	35 01.80		N	10s			0.83um		0.9s	12.60nm	4.9mb
	0.8s	41.10nm	5.9mb	TIA	20.79	289 eP	32	44.50	-0.8	HHAI	79.34	46 (P)	40 07.33
GMW	92.00	37 eP	35 04.09		E	20s			1.58um	HVU	79.93	47 eP	40 11.71
LOR	92.00	322 iPd	35 03.00	BJ1	22.19	299 eP	32	58.00	-1.3	DUG	80.78	48 eP	40 15.98
	0.9s	6.90nm	5.1mb		1.4s	43.00nm			4.7mb		1.2s	8.09nm	4.6mb
	Z	19s	0.10um		Z	14s			0.88um	BW06	81.34	45 eP	40 18.62
LBF	92.09	322 iPd	35 03.50		N	13s			0.49um		1.0s	3.24nm	4.3mb
	0.9s	10.00nm	5.2mb	HHC	25.80	299 Pd	33	34.00	-0.2	DAU	81.65	48 eP	40 21.04
FRF	92.28	318 iPd	35 04.20		1.3s	30.00nm			4.7mb	ARUT	81.71	51 eP	40 21.22
	1.0s	23.80nm	5.6mb		Z	15s			1.77um	MSU	82.13	49 eP	40 23.60
SSF	92.32	322 iPd	35 04.70		N	15s			0.49um	EMUT	82.27	48 eP	40 24.14
	0.7s	3.75nm	4.9mb		E	14s			0.89um	SRU	82.85	48 eP	40 26.76
SMF	92.35	322 iPd	35 04.80	BTO	26.91	298 eP	33	44.00	-0.4	QJC	83.60	327 eP	40 31.50
	1.1s	14.15nm	5.3mb		1.0s	34.00nm			4.9mb	PV09	84.09	48 eP	40 33.73
LMR	92.48	318 iPd	35 05.90		Z	18s			0.59um	PV10	84.23	48 eP	40 34.14
	1.5s	91.95nm	6.0mb		N	12s			0.66um	PV08	84.36	48 eP	40 34.95
LRG	92.51	318 iPd	35 06.20	CIT	28.84	323 eP	34	05.00	3.3X	KSP	84.76	329 eP	40 37.00
	1.1s	51.75nm	5.9mb	LZH	31.53	288 eP	34	24.00	-1.8	BRG	85.76	330 eP	40 49.40
AVF	92.56	322 iPd	35 05.70		2.0s	37.00nm			4.9mb		1.2s	85.00nm	5.8mb
	0.8s	7.00nm	5.1mb		Z	18s			0.59um	CLL	85.84	331 eP	40 42.00
RMW	92.60	37 eP	35 06.80	ZAK	33.95	315 eP	34	47.50	1.0		1.6s	14.00nm	4.9mb
HYF	92.70	323 eP	35 07.10		1.6s	20.00nm			4.8mb	PRU	86.15	329 eP	40 44.50
MAF	93.32	322 iPd	35 09.70		Z	12s			0.69um	KHC	87.21	329 eP	40 50.00
	1.2s	11.30nm	5.2mb		N	11s			0.57um		e	41 14.00	89kmX
TCF	93.49	322 iPd	35 10.40								e	44 25.00	
	0.9s	7.20nm	5.1mb							GEC2	87.37	329 ePKP	40 50.60
DLF	93.71	331 eP	35 11.00								1.3s	1.86nm	4.2mb
ETA	93.96	331 eP	35 12.00								e	41 01.70	35km

LOR	92.72 333 eP	41 11.40	GLM	3.52 273 eP	13 34.90	0.1	KCT	1.27 26 iPn	33 45.10	0.5
	1.0s 5.60nm	41 28.60 14.4X	FBA	3.70 272 ePc	13 36.95	-0.4	MFT	1.69 351 ePn	33 50.10	-0.7
Z	21s 0.10um	4.2MsZ		eS	14 31.27			S.D. = 0.6 on 6 of 6 obs.		
LBF	92.91 332 eP	41 29.30 14.2X	CCB	3.74 268 eP	13 37.24	-0.7	-----			
	1.0s 5.60nm		SDG	3.79 232 eP	13 38.83	0.1	& SEP 01, 1993 07h 36m 16.84s			
SSF	93.03 333 eP	41 30.20 14.6X	INK	3.99 31 P	13 41.50	0.1	63.265 N 151.118 W			
	1.0s 7.80nm		DHY	0.2s 42.40nm			DEPTH = 7.4km			
SMF	93.24 332 eP	41 30.90 14.3X		4.12 246 eP	13 43.36	-0.1	CENTRAL ALASKA			
	0.9s 5.90nm		GLB	eS	14 31.77		<AEIC>. ML 3.0 (AEIC).			
LTX	93.27 53 eP	41 16.38 -0.8	CTGM	4.17 213 eP	13 43.57	-0.4	(1)			
AVF	93.31 333 eP	41 31.50 14.6X		4.19 195 eP	13 43.88	-0.5	KTH	0.30 17 iP	36 22.52	-0.5
	1.0s 8.80nm		BALM	eS	14 32.15			eS	36 27.19	
TCF	94.17 333 eP	41 35.60 14.7X	NEA	4.25 202 eP	13 44.66	-0.7	TRF	0.42 63 iP	36 25.18	-0.2
	1.0s 5.60nm		TOA	4.29 269 eP	13 44.88	-0.9		eS	36 31.80	
LSF	94.46 333 eP	41 38.00 15.8X	BWN	4.30 231 eP	13 45.89	-0.1	HUR	0.73 113 eP	36 30.65	-0.8
LPAZ	148.96 67 iPKPc	47 52.60 5.2X	RND	4.54 264 eP	13 48.25	-1.1		eS	36 40.92	
LPB	149.12 68 PKP	47 52.00 4.6X	TGL	4.55 254 eP	13 50.01	0.5	CUT	0.95 155 iP	36 34.95	-0.2
CNCB	149.37 68 PKP	47 53.00 5.1X	CRQM	4.60 203 eP	13 50.60	0.4		eS	36 48.43	
CCH	151.15 67 PKP	47 57.50 7.2X		4.65 205 eP	13 51.46	0.4	RND	1.03 81 eP	36 35.95	-0.7
SIV	154.14 58 PKP	47 58.80 4.6X	KLU	eS	14 45.72			eS	36 50.13	
	S.D. = 1.1 on 60 of 76 obs.		YAH	4.68 224 eP	13 50.73	-0.7	MCK	1.09 63 eP	36 37.00	-0.5
-----			SCM	4.82 196 eP	13 53.74	0.2		eS	36 52.85	
* SEP 01, 1993 06h 54m 53.60± 1.05s			WAX	4.88 233 eP	13 55.26	1.1	BWN	1.17 38 eP	36 38.91	0.0
12.912 S ± 8.8km 74.842 W ± 9.7km			MLY	4.89 202 eP	13 55.34	1.0		eS	36 56.01	
DEPTH = 90.1 ± 10.8 km			PCA	4.93 276 eP	13 53.60	-1.3	SKT	1.30 189 iP	36 40.53	-0.7
4.7mb (7 obs.)			CHX	4.96 187 eP	13 55.69	0.4		eS	36 57.29	
CENTRAL PERU (116)			BCPM	5.05 192 eP	13 56.97	0.3	NEA	1.60 33 eP	36 45.25	-0.2
Felt in Chincha and Canete			VLZ	5.08 183 eP	13 56.80	-0.2		eS	37 05.94	
Provinces.			TRF	5.09 223 eP	13 57.04	0.0	DHY	1.71 95 eP	36 47.04	-0.3
NNA	2.16 295 iPd	55 28.70 0.2	VZV	5.13 257 eP	13 57.42	-0.3	PWA	1.72 160 P	36 47.00	-0.3
	0.3s 194.81nm		SML	5.21 224 eP	13 58.79	-0.1	MLY	1.78 5 eP	36 46.12	-2.1
ARE	4.79 138 iPc	56 08.00 2.9X	HMT	5.24 236 eP	13 59.60	0.3	GHO	1.81 145 eP	36 47.88	-0.8
	iS	57 05.00	RAGM	5.26 209 eP	14 00.41	0.9	SUA	1.82 174 eP	36 49.92	1.1
CNCB	7.68 121 P	56 46.10 0.8		5.30 211 eP	14 00.82	0.7		eS	37 13.96	
	S	59 21.00	KTH	5.35 260 eP	14 00.21	-0.7	PLRM	1.92 150 eP	36 49.55	-0.6
CCH	9.51 119 P	57 09.40 -0.6	PNL	5.36 182 eP	14 00.07	-0.9		eS	37 16.80	
ANT	11.53 159 eP	57 35.00 -1.7	FID	5.44 222 eP	14 02.96	0.8	PMR	1.92 150 eP	36 49.12	-1.0
SIV	13.68 105 P	58 03.90 -1.2	GHO	5.48 238 eP	14 03.25	0.6		eS	37 14.03	
CYA	17.61 153 ePc	58 55.50 0.9	YKU	5.49 183 P	14 05.00	2.3X	NCG	1.93 195 eP	36 49.51	-0.9
PEL	20.49 170 iPd	59 26.50 -0.1	HQN	5.58 179 eP	14 03.87	-0.2	SML	1.95 137 eP	36 49.63	-1.1
SDV	22.06 11 ePd	59 42.10 -0.3	CUT	5.61 247 eP	14 04.37	0.0	CGLM	2.01 192 eP	36 51.03	-0.5
TOV	23.10 13 eP	59 55.30 2.8	PLRM	5.67 237 eP	14 05.74	0.5	CCB	2.02 45 eP	36 49.43	-2.1
PPD	24.18 115 eP	00 04.10 1.2	PMR	5.67 237 eP	14 05.15	-0.1	CRP	2.06 194 (P)	36 51.30	-1.1
RSTA	27.03 119 eP	00 31.40 2.1		eS	15 17.11		CP2	2.08 195 eP	36 51.68	-1.0
VAO	28.30 115 eP	00 41.00 0.1	PWA	5.91 240 eP	14 09.61	1.1		eS	37 17.00	
UYO	50.40 339 iPc	03 43.30 -0.4	IMA	6.15 287 eP	14 10.59	-1.5X	BGL	2.10 197 eP	36 52.90	0.1
TUL	52.44 339 iP	03 58.50 -0.7	IM3	6.17 286 eP	14 10.94	-1.4X	CKN	2.11 194 eP	36 53.11	0.1
LIC	71.91 79 Pd	06 08.38 -1.1	SKT	6.34 247 eP	14 14.36	-0.3	CKT	2.13 194 eP	36 52.99	-0.4
	0.9s 18.00nm	4.9mb	DFR	7.63 241 eP	14 32.65	-0.3	SPU	2.14 192 iP	36 52.94	-0.4
TIC	72.03 79 Pd	06 08.38 -1.8	RSO	7.74 240 eP	14 33.07	-1.5X	CKL	2.15 196 eP	36 53.29	-0.4
	1.0s 11.00nm	4.7mb	SVW	8.45 250 (P)	14 41.21	-3.1X	HDA	2.17 56 eP	36 54.94	1.1
KIC	72.22 79 Pd	06 10.55 -0.8	YKA	11.11 92 eP	15 20.10	-0.6	FBA	2.20 40 eP	36 54.72	0.5
	1.0s 31.00nm	5.1mb		0.5s 2.90nm	4.9mb X			eS	37 23.34	
NVL	76.81 160 iPd	06 37.00 0.3	S.D. = 0.6 on 50 of 55 obs.				TTA	2.25 264 eP	36 54.81	-0.3
	1.0s 25.00nm	5.0mb	-----					eS	37 23.25	
SPA	77.18 180 iPd	06 40.20 1.2	SEP 01, 1993 07h 15m 44.44± 2.28s				BKG	2.27 194 eP	36 54.51	-0.8
	1.0s 7.50nm	4.5mb	17.392 N ± 21.5km 61.880 W ± 13.3km				SCM	2.27 128 eP	36 56.32	1.0
YKA	81.29 343 eP	07 00.00 -0.9	DEPTH = 35.9 ± 14.7 km				GLM	2.38 42 eP	36 55.45	-1.4
	0.7s 1.80nm	4.0mb	LEEWARD ISLANDS (92)				NKA	2.53 181 eP	37 01.08	2.1
GEC2	98.64 42 ePKP	08 24.10 0.3	MD 2.8 (TRN). ML 2.7 (FDF).				TOA	2.56 115 P	36 59.00	-0.4
	0.9s 1.25nm	4.5mb	ANG	0.24 168 iP	15 51.75	0.1	PAX	2.58 94 eP	36 59.74	-0.1
WB2	136.51 222 iPKPd	14 07.50 -0.1		eS	15 57.52		PTE	2.60 157 eP	37 01.01	1.1
	0.8s 4.70nm		BPA	0.34 176 eP	15 52.90	-0.1	CFI	2.61 142 eP	37 01.49	1.4
GBA	153.01 85 PKP	14 35.00 -0.2		S	15 59.50		SDG	2.66 104 eP	37 00.97	0.2
	S.D. = 1.2 on 23 of 24 obs.		MBET	0.70 203 eP	15 57.95	0.0	PWL	2.75 150 eP	37 02.26	0.2
-----				eS	16 08.45		RDT	2.77 193 eP	37 01.87	-0.6
SEP 01, 1993 07h 12m 38.37± 0.38s			SKI	0.82 266 eP	15 59.60	0.0	DFR	2.78 196 eP	37 04.36	1.7
65.010 N ± 2.8km 139.104 W ± 3.2km				eS	16 10.66		SLKM	2.80 171 eP	37 04.01	1.2
DEPTH = 5.0km (geophysicist)			DEG	1.33 144 eP	16 07.00	0.1	NCT	2.85 198 eP	37 03.59	0.0
NORTHERN YUKON TERRITORY, CANADA(677)			PAG	1.37 172 eP	16 07.69	0.2	MPA	2.91 163 eP	37 04.61	0.3
ML 3.9 (AEIC).				S	16 24.91		RS2	2.92 196 eP	37 06.78	2.1
BC3	2.28 212 eP	13 16.91 -0.4	DOG	1.38 169 eP	16 07.50	-0.1	RSO	2.92 196 eP	37 06.36	1.7
	eS	13 46.62	MGG	1.56 160 eP	16 10.10	-0.2	RED	2.96 196 eP	37 06.71	1.5
TMW	2.40 227 eP	13 18.79 -0.2	S.D. = 0.2 on 8 of 8 obs.				KLU	3.00 124 eP	37 05.60	-0.1
PRP	2.75 284 eP	13 24.56 0.5	-----				IMA	3.02 340 eP	37 03.14	-2.9
FYU	2.97 305 eP	13 28.13 1.1	% SEP 01, 1993 07h 33m 21.05± 0.84s				SVW	3.02 226 (P)	37 05.44	-0.5
BM3	3.29 320 eP	13 32.84 1.2	39.114 N ± 7.0km 27.618 E ± 8.5km					eLg	37 48.37	
IL1	3.33 269 eP	13 31.96 -0.1	DEPTH = 10.0km (geophysicist)				VZW	3.08 134 eP	37 06.71	-0.1
ILB	3.33 269 eP	13 32.03 -0.1	TURKEY (366)				VLZ	3.10 132 eP	37 06.81	-0.2
	eS	14 14.08	ML 2.7 (ISK).				ILIM	3.31 196 eP	37 11.46	1.3
HDA	3.42 263 eP	13 33.21 -0.3	Izm	0.77 201 ePg	33 36.00	-0.1	FID	3.34 137 eP	37 10.63	0.2
PAX	3.47 237 eP	13 34.17 0.0		eSg	33 48.10		LTI	3.59 153 eP	37 13.52	-0.5
	eS	14 13.97	DST	0.92 58 ePn	33 38.80	0.1	HIN	3.62 141 eP	37 13.98	-0.4
			EZN	1.23 306 iPn	33 44.30	0.4	GLB	3.87 115 iP	37 17.86	-0.1
			EDC	1.25 9 ePn	33 44.00	-0.2	58 obs. associated			
			-----				-----			
			% SEP 01, 1993 08h 02m 03.42± 0.76s				-----			

01d 08h

39.129 N \pm 6.1km 27.438 E \pm 7.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.74 191 ePg 02 18.10 0.1
 eSg 02 29.60
 DST 1.04 62 ePn 02 22.80 -0.2
 EZN 1.11 309 iPn 02 24.30 0.1
 EDC 1.26 15 ePn 02 27.00 0.2
 BNT 1.28 17 ePn 02 27.60 0.4
 KCT 1.32 32 ePn 02 28.10 0.2
 MFT 1.66 356 ePn 02 32.00 -0.8
 S.D. = 0.5 on 7 of 7 obs.

SEP 01, 1993 08h 12m 43.85 \pm 0.70s
 24.063 S \pm 6.3km 69.545 W \pm 10.3km
 DEPTH = 33.0km (normal)
 NORTHERN CHILE (123)
 Felt (III) at Antofagasta.

ANT 0.87 294 iP 12 59.00 -0.7
 iS 13 08.10
 CYA 5.51 143 ePc 14 10.50 4.7X
 RTRS 6.08 179 eP 14 15.20 1.4
 RTPR 6.78 157 eP 14 24.50 1.0
 CNCB 7.36 12 P 14 32.70 0.4
 i 14 39.80
 S 16 15.00

CCH 7.37 26 P 14 36.00 3.8X
 LPB 7.61 11 ePd 14 37.00 1.3
 1.0s 38.00nm 5.4mb X
 (S) 16 20.00

ARE 7.78 346 eP 14 43.60 5.7X
 RTCV 7.82 174 eP 14 37.00 -1.2
 LPAZ 7.85 10 iPd 14 38.50 -0.7
 i 17 28.50
 LR 17 35.00

PEL 9.10 186 eP 15 00.50 4.5X
 SIV 11.30 46 P 15 26.40 0.2
 PPD 16.90 87 eP 16 43.30 3.7X
 VAO 20.73 92 eP 17 22.10 -2.1
 e 17 44.70

VAO2 21.09 92 eP 17 27.50 -0.5
 e 17 49.40
 BAO 21.92 71 eP 17 37.30 0.9
 S.D. = 1.3 on 11 of 16 obs.

* SEP 01, 1993 08h 20m 01.96 \pm 0.91s
 11.449 N \pm 14.7km 87.499 W \pm 13.9km
 DEPTH = 33.0km (normal)
 4.5mb (3 obs.)
 NEAR COAST OF NICARAGUA (74)
 MD 4.7 (UPA).

BRU 5.53 118 eP 21 24.91 0.4
 iS 22 27.39
 DVD 5.80 121 ePd 21 27.98 -0.1
 iS 22 33.20

ECO 7.95 104 eP 21 58.25 0.0
 UPA 8.21 107 iPd 22 00.66 -1.2
 eS 23 20.94

LTX 23.32 322 (P) 25 07.30 -0.9
 UYO 23.49 345 iPd 25 09.80 0.1
 MIAR 23.65 347 iP 25 10.84 -0.4
 0.6s 9.68nm 4.5mb

MYNC 23.72 7 (P) 25 13.47 1.5
 0.7s 5.63nm 4.2mb
 LHS 23.72 14 (P) 25 11.90 0.0

MEO 25.33 338 iPc 25 26.80 -0.6
 FVM 26.55 355 (P) 25 38.06 -0.7
 2.3s 103.23nm 5.0mb

ACO 27.25 339 iPd 25 45.60 0.5
 BONR 38.15 319 eP 27 20.81 0.5
 BAO 47.47 124 eP 28 36.90 0.8

PCI 150.91 289 ePKPc 39 50.00 2.1X
 GBA 150.97 31 PKP 39 52.50 4.6X
 0.7s 2.00nm
 S.D. = 0.8 on 14 of 16 obs.

* SEP 01, 1993 08h 22m 43.33 \pm 1.39s
 27.546 N \pm 11.4km 97.152 E \pm 8.7km
 DEPTH = 59.2 \pm 17.4 km
 4.7mb (5 obs.)
 MYANMAR-INDIA BORDER REGION (294)

KMI 5.56 114 ePn 24 06.00 0.3

LSA 5.70 294 ePn 24 06.70 -1.1
 CD2 6.67 58 ePn 24 21.90 0.8
 eSg 26 13.80

GYA 8.55 95 iPc 24 48.00 0.9
 1.0s 11.00nm 4.7mb
 LZH 10.24 32 Pd 25 08.50 -1.8
 1.2s 25.00nm 5.2mb

XAN 12.01 55 P 25 40.50 6.5X
 GTA 12.04 10 eP 25 35.00 0.5
 1.0s 4.00nm 4.4mb

Z 10s 0.45um
 TIY 16.37 48 eP 26 29.60 -1.0
 WMQ 17.94 337 P 26 51.30 1.1
 KSH 21.22 309 eP 27 27.50 1.2

WB2 59.38 139 iPd 32 41.10 -0.9
 0.6s 6.60nm 4.9mb
 NB2 64.38 327 P 33 14.90 -0.1
 0.9s 2.10nm 4.1mb
 S.D. = 1.2 on 11 of 12 obs.

? SEP 01, 1993 08h 50m 26.34 \pm 1.36s
 52.692 N \pm 36.9km 35.126 W \pm 12.6km
 DEPTH = 10.0km (geophysicist)
 4.6mb (15 obs.) 3.5Msz (3 obs.)
 NORTH ATLANTIC OCEAN (402)

DCN 16.73 77 eP 54 23.00 0.9
 DLF 17.18 77 eP 54 27.30 -0.4
 ECB 17.21 80 eP 54 30.60 2.5

ETA 17.48 78 eP 54 32.10 0.6
 ECP 17.50 80 eP 54 34.30 2.7
 YRC 18.35 76 eP 54 41.10 -1.1

YRH 18.39 77 eP 54 41.50 -1.3
 WME 18.48 75 eP 54 41.60 -2.2
 EKA 18.88 69 Pd 54 49.20 0.5
 1.0s 16.40nm 4.2mb

TCF 24.87 90 eP 55 51.00 0.8
 1.2s 14.90nm 4.5mb
 MAF 25.12 90 eP 55 52.60 0.1
 1.4s 19.15nm 4.6mb

ENN 25.26 78 eP 55 55.00 1.3
 0.8s 7.10nm 4.4mb
 SSF 25.30 87 eP 55 54.10 -0.1
 1.1s 22.20nm 4.8mb

AVF 25.33 88 eP 55 54.50 0.0
 1.6s 36.70nm 4.8mb
 WTS 25.37 75 eP 55 56.50 1.7
 1.0s 42.30nm 5.1mb

LOR 25.42 87 eP 55 55.20 -0.1
 1.3s 31.75nm 4.8mb
 Z 19s 0.10um 3.3Msz

LBF 25.62 87 eP 55 57.40 0.2
 1.1s 17.85nm 4.7mb
 SMF 25.69 88 eP 55 57.90 0.0
 1.2s 19.05nm 4.7mb

HAU 26.60 83 eP 56 04.70 -1.6
 0.9s 9.50nm 4.5mb
 Z 19s 0.08um 3.2Msz

BSF 26.94 83 eP 56 07.00 -2.5
 1.0s 10.40nm 4.5mb
 CLL 29.23 73 ePc 56 29.00 -1.0

BRG 29.95 74 eP 56 35.60 -0.9
 1.3s 11.00nm 4.5mb
 e 57 25.50

KHC 30.45 77 eP 56 41.00 0.0
 e 56 56.00
 e 57 34.00

GEC2 30.64 77 ePc 56 42.30 -0.5
 0.9s 3.51nm 4.2mb
 e 56 44.60
 e 56 48.40
 e 56 57.10

PRU 30.65 75 eP 56 46.50 3.8X
 OBN 40.63 57 eP 58 07.00 -0.5
 1.0s 17.00nm 4.7mb
 Z 20s 0.40um 4.3Msz

LRM 48.66 295 eP 59 13.10 0.7
 S.D. = 1.3 on 26 of 27 obs.
 * SEP 01, 1993 08h 55m 05.60 \pm 0.85s
 39.626 N \pm 7.6km 29.387 E \pm 7.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.59 268 ePg 55 16.80 -0.7
 eSg 55 26.80
 ALT 0.80 135 ePg 55 21.50 0.3
 eSg 55 33.50
 YLV 0.94 359 iPn 55 23.90 0.3
 KCT 1.01 308 ePn 55 25.60 0.9
 EYL 1.11 32 ePn 55 26.00 -0.5
 ISK 1.46 350 ePn 55 31.60 -0.4
 S.D. = 0.8 on 6 of 6 obs.

SEP 01, 1993 09h 04m 21.46 \pm 0.71s
 14.752 N \pm 7.9km 93.676 W \pm 5.2km
 DEPTH = 49.9 \pm 5.8 km
 4.7mb (33 obs.) 4.4Msz (3 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.6 (GCG).

TPX 1.38 83 iPd 04 45.23 0.6
 iS 05 07.50
 JAT 2.02 102 iPc 04 53.62 -0.1
 iS 05 21.34

SCX 2.21 27 iPd 05 00.67 4.3X
 iS 05 32.45
 GCG 3.05 93 iP 05 09.94 1.4
 OXX 3.74 309 iP 05 16.65 -1.6
 (S) 06 04.98

LVVM 5.62 332 (P) 05 42.00 -2.6
 IIT 6.14 314 (P) 05 58.48 6.3X
 ACK 6.31 290 (P) 05 53.58 -0.8
 PPM 6.39 313 iP 05 56.73 0.8
 (S) 07 25.27

IIA 6.47 313 (P) 05 58.00 1.5
 III 6.62 304 (P) 05 58.80 0.0
 UNM 6.96 312 (P) 06 00.00 -3.7X
 CRX 7.37 310 (P) 05 18.00 -51.5X

MRX 8.71 305 iPc 06 28.00 0.4
 LTX 17.20 329 eP 08 19.12 -0.8
 UYO 19.34 358 iPd 08 43.80 -1.9
 MIAR 19.71 0 eP 08 48.02 -1.6
 0.8s 35.26nm 4.7mb

MEO 20.43 348 iPd 08 59.90 2.7
 OCO 20.96 351 iPc 09 02.10 -0.5
 TUL 21.15 355 iP 09 06.70 2.1
 SGS 21.91 31 (P) 09 12.12 0.1

ACO 22.39 348 iPc 09 16.40 -0.6
 GBTN 22.49 20 (P) 09 17.51 -0.4
 ELC 22.79 9 eP 09 18.64 -2.1
 ALQ 23.16 332 eP 09 24.32 -0.4

1.2s 16.43nm 4.4mb
 FVM 23.32 6 (P) 09 25.71 -0.2
 1.4s 37.54nm 4.7mb
 TUC 23.42 321 ePc 09 29.51 2.4
 0.9s 19.79nm 4.6mb

NAV 25.22 25 (P) 09 44.60 0.3
 GLA 26.47 317 eP 09 56.38 0.4
 GLD 26.88 340 eP 10 00.63 0.8
 1.6s 30.16nm 4.7mb

e 10 09.94
 GOL 26.89 340 ePc 10 00.16 0.2
 0.8s 21.31nm 4.8mb

PV08 27.16 334 eP 10 03.50 1.0
 PV10 27.17 333 eP 10 01.98 -0.5
 PV09 27.31 333 (P) 10 04.52 0.7

PLM 28.02 315 eP 10 10.64 0.5
 PEC 28.53 316 eP 10 13.99 -0.6
 1.0s 16.95nm 4.6mb

MSU 28.76 329 eP 10 17.24 0.4
 ARUT 28.87 326 iPc 10 18.98 1.2
 GSC 29.16 319 (P) 10 21.14 0.9

DAU 29.82 332 eP 10 25.91 -0.5
 DUG 30.37 330 eP 10 32.03 1.0
 1.4s 9.70nm 4.3mb

RSSD 30.57 345 eP 10 32.45 -0.5
 0.9s 6.10nm 4.3mb
 BW06 31.09 337 eP 10 36.86 -0.6
 1.2s 7.28nm 4.3mb

HVU 31.60 332 ePc 10 42.47 0.6
 BONR 31.77 321 eP 10 44.26 0.7
 PTI 32.30 334 (P) 10 48.06 0.1

CMB 33.10 319 eP 10 54.67 -0.2
 0.3s 0.90nm 4.1mb
 COE 33.48 317 (P) 10 58.09 0.0

LRM 34.77 337 eP 11 10.10 0.6
 LBFM 36.06 323 eP 11 20.01 -0.4
 DPW 38.77 333 eP 11 42.97 0.1

LON 39.61 329 eP 11 50.21 0.3
 LPAZ 39.85 140 iPc 11 55.90 3.1X

KHL	2.08	83	ePn	36	08.00	-4.5X
EDC	2.38	18	ePn	36	17.00	0.3
KCT	2.44	27	ePn	36	18.00	0.4
MFT	2.72	6	ePn	36	22.00	0.4
YLV	3.14	37	ePn	36	27.00	-0.5
S.D. = 0.4 on 8 of 9 obs.						

?	SEP 01, 1993	09h 39m	55.02±	4.13s		
	39.040 N ±28.7km		23.558 E ±23.1km			
	DEPTH = 10.0km (geophysicist)					
AEGEAN SEA					(365)	
ML 2.6 (THE).						

PAIG	0.89	6	ePg	40	12.40	0.3
			iSg	40	24.26	
AGG	0.96	269	iPg	40	13.28	0.0
			eSg	40	26.00	
OUR	1.33	14	ePb	40	19.32	-0.2
			eSb	40	37.32	
LIT	1.34	322	ePb	40	19.68	-0.1
			eSb	40	35.48	
S.D. = 0.4 on 4 of 4 obs.						

*	SEP 01, 1993	10h 58m	57.11±	0.70s		
	41.227 S ±15.4km		90.979 W ± 8.9km			
	DEPTH = 10.0km (geophysicist)					
	4.9mb (13 obs.) 4.3Msz (7 obs.)					
SOUTHERN PACIFIC OCEAN					(692)	

PEL	18.04	70	eP	03	08.50	-1.0
CNCB	31.38	46	P	05	21.70	0.8
LPB	31.54	45	eP	05	23.00	0.8
Z	23s		2.27um			4.8MszX
			LR	14	05.00	
LPAZ	31.73	45	iPc	05	24.10	0.0
			LR	14	24.00	
SIV	36.04	55	P	05	59.90	-0.7
MAW	69.70	170	P	10	08.39	0.0
LTX	71.18	348	eP	10	15.94	-2.1
PRM	75.36	7	eP	10	42.03	-0.2
TUC	75.42	343	eP	10	42.78	0.1
	0.8s		10.73nm			5.0mb
GLA	77.11	340	eP	10	52.68	0.5
ALQ	77.12	347	eP	10	51.16	-1.2
	0.7s		6.32nm			4.8mb
Z	19s		0.16um			4.4Msz
			e	10	56.98	
PLM	77.95	338	eP	10	57.13	0.2
PEC	78.54	338	(P)	10	59.17	-0.9
	0.8s		6.24nm			4.7mb
FVM	78.83	0	(P)	11	01.17	-0.3
	0.9s		9.01nm			4.8mb
GSC	79.77	339	eP	11	07.18	0.5
ISA	80.57	338	eP	11	09.86	-1.1
	0.9s		7.45nm			4.7mb
PV10	80.92	346	eP	11	12.79	-0.2
PV08	81.04	346	(P)	11	14.43	0.7
PV09	81.06	346	eP	11	14.35	0.6
ARUT	81.27	342	eP	11	14.80	0.0
GOL	81.60	349	eP	11	16.98	0.4
	0.7s		4.28nm			4.6mb
GLD	81.63	349	(P)	11	17.04	0.5
	1.1s		10.31nm			4.8mb
MSU	81.69	343	eP	11	17.65	0.7
SRU	81.92	345	eP	11	18.36	0.3
EMUT	82.66	345	eP	11	22.13	0.1
BONR	82.67	339	eP	11	22.19	0.0
DAU	83.32	345	eP	11	24.22	-1.3
CMB	83.33	337	P	11	40.00	14.7X
Z	18s		0.13um			4.3Msz
TBR	83.38	13	eP	11	25.70	0.3
DUG	83.44	343	eP	11	25.36	-0.5
	0.9s		11.49nm			5.1mb
Z	20s		0.06um			4.0Msz
BINY	84.14	11	(P)	11	31.52	2.3
	0.8s		12.17nm			5.2mb
HVU	84.95	344	eP	11	33.08	-0.4
ORV	85.07	337	eP	11	34.59	0.7
BW06	85.29	346	ePc	11	33.69	-1.5
	0.7s		10.45nm			5.2mb

	0.9s	12.00nm		5.1mb
Z	21s	0.08um		4.1msz
KMPM	86.66	335 (P)	11 40.86	-1.0
LGPM	86.71	336 eP	11 43.05	0.9
LBFM	86.83	337 eP	11 43.09	0.2
SXM	88.85	346 eP	11 54.00	1.6
CBM	90.10	15 P	12 10.00	12.0X
	Z	20s	0.15um	4.4msz
NEW	92.06	343 eP	12 07.62	0.5
	0.8s	7.14nm		5.1mb
YAK	148.07	324 ePKP	18 45.80	5.7X
	0.8s	94.00nm		
GBA	150.68	156 PKP	18 56.00	10.5X
	S.D. = 0.9	on 41	of 46	obs.
<hr/>				
?	SEP 01, 1993	11h 30m	07.54± 3.38s	
	42.275 N	±29.6km	23.904 E	±10.9km
	DEPTH = 5.0km	(geophysicist)		
	BULGARIA			(359)
	ML 3.0 (THE).			
SRS	1.18	192 iPb	30 30.82	0.8
		eSb	30 53.00	
KNT	1.34	214 ePb	30 32.50	-0.3
		iSb	30 56.14	
VAY	1.38	227 ePn	30 32.70	-0.7
SOH	1.51	196 ePb	30 35.62	0.3
		eSb	31 02.38	
GRG	1.73	221 ePn	30 39.42	0.9
OUR	1.94	178 ePn	30 40.10	-1.3
ALN	2.12	130 ePn	30 44.30	0.3
		eSn	31 13.10	
	S.D. = 1.0	on 7	of 7	obs.
<hr/>				
%	SEP 01, 1993	11h 36m	00.67± 0.81s	
	32.466 S	±14.0km	69.879 W	±12.0km
	DEPTH = 100.0km	(geophysicist)		
	MENDOZA PROVINCE, ARGENTINA			(139)
JACH	0.64	250 iP+	36 18.65	0.7
		iS	36 32.75	
FCH	0.93	202 iP+	36 21.33	0.4
		iS	36 37.47	
PEL	0.96	225 iP+	36 21.02	0.0
		iS	36 37.10	
ROCH	1.08	242 iPd	36 22.63	0.1
		iS	36 39.94	
PCH	1.27	205 iP	36 24.84	0.3
		iS	36 43.93	
RTCV	1.29	62 eP	36 24.50	-0.3
		S	36 43.00	
TACH	1.48	217 iP+	36 26.84	-0.2
		iS	36 47.30	
LCCH	1.74	234 iP+	36 30.03	-0.3
		iS	36 51.45	
CACH	1.75	200 iP+	36 31.08	0.4
		iS	36 54.12	
LNv	1.96	220 iP	36 32.11	-1.1
		iS	36 56.29	
	S.D. = 0.6	on 10	of 10	obs.
<hr/>				
SEP	01, 1993	11h 48m	38.44± 0.10s	
	4.331 S	± 2.6km	102.567 E	± 2.5km
	DEPTH = 71.0km	(15 depth phases)		
	5.8mb (111 obs.)			
	SOUTHERN SUMATERA, INDONESIA			(274)
	Mw 5.7 (GS), 5.7 (HRV).			
	FAULT PLANE SOLUTION: P-Waves			
	NP1: Strike= 95 Dip=76 Slip= 90			
	NP2: 275 14 90			
	Principal Axes:			
	T	Plg=59	Azm= 5	
	P	31	185	
	Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.			
	MOMENT TENSOR SOLUTION			
	Dep 72	No. of sta: 6		
	Moment Tensor;	Scale 10**17 Nm		
	Mrr= 2.19	Mtt=-3.03		
	Mff= 0.84	Mrt= 2.71		
	Mrf=-0.21	Mtf=-0.90		
	Principal axes:			
	T Val= 3.46	Plg=63	Azm= 28	
	N	0.84	15	267

Old 11h

P -4.30 22 171
 Best Double Couple: Mo=3.9*10**17
 NP1: Strike=235 Dip=26 Slip= 55
 NP2: 93 69 106
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 48S, 97C
 Centroid Location:
 Origin Time 11:48:43.1 0.2
 Lat 4.85S 0.02 Lon 102.24E 0.02
 Dep 63.6 1.7 Half-duration 2.2
 Moment Tensor; Scale 10**17 Nm
 Mr= 2.21 0.07 Mtt=-2.13 0.09
 Mff=-0.08 0.12 Mrt= 3.10 0.10
 Mrf=-1.52 0.09 Mtf=-2.42 0.09
 Principal Axes:
 T Val= 5.06 Plg=49 Azm= 43
 N -0.72 35 260
 P -4.34 19 156
 Best Double Couple: Mo=4.7*10**17
 NP1: Strike=205 Dip=40 Slip= 28
 NP2: 93 72 127

LEM 5.60 116 iPd 50 03.70 2.4
 iS 50 54.00
 KGM 6.35 7 ePc 50 14.80 3.3X
 0.4s 813.70nm 6.5mb
 i 51 27.70
 IPM 8.98 350 ePd 50 48.70 0.8
 0.4s 67.70nm 5.9mb
 e 50 54.90
 SNG 11.60 350 eP 51 22.00 -1.2
 KHKI 13.56 108 ePd 51 47.00 -2.2
 eS 54 14.00
 e 00 23.00
 MKS 16.87 94 iPc 52 34.00 2.5
 NNT 17.04 351 eP 52 33.20 -0.5
 KKM 17.09 53 ePc 52 30.40 -3.9X
 1.5s 1571.00nm 6.0mb
 TSM 17.53 61 ePd 52 43.70 4.0X
 KHT 19.40 348 eP 53 01.00 -0.7
 NST 20.02 353 iPc 53 07.40 -0.8
 LOE 21.61 358 iPc 53 24.00 -0.4
 BDT 21.72 351 eP 53 24.00 -1.5
 NANU 22.04 146 iPd 53 29.40 0.8
 eS 57 25.00
 MNI 22.98 76 ePd 53 40.00 2.1
 CHTO 23.27 351 iPc 53 41.20 0.5
 0.8s 109.81nm 5.3mb
 eS 57 42.00
 MBL 23.69 136 iPd 53 46.60 1.9
 iS 58 06.00
 QIZ 24.29 17 iPc 53 52.00 1.4
 1.0s 810.00nm 6.1mb
 E 12s 3.99um
 S 58 05.00
 CTB 24.44 62 ePc 53 56.00 4.0X
 TNE 25.27 79 eP 54 02.00 2.2
 PGP 25.44 46 ePc 54 03.00 1.6
 CGP 25.46 60 eP 54 06.50 4.9X
 DAV 25.61 64 eP- 54 04.70 1.7
 1.8s 2181.82nm 6.4mb
 MAP 25.82 56 ePc 54 06.00 1.0
 TGY 25.83 45 iPc 54 07.00 1.9
 GQP 26.78 47 ePd 54 14.00 0.2
 MEEK 26.97 147 eP 54 14.80 -0.7
 eS 59 27.00
 PLP 27.10 55 ePc 54 17.00 0.3
 BAG 27.24 40 ePc+ 54 18.00 -0.1
 1.0s 98.00nm 5.3mb
 MRWA 27.84 154 eP 54 22.00 -1.2
 eS 59 41.50
 KNA 28.14 116 eP 54 24.80 -1.3
 HKC 28.80 23 P 54 33.30 1.3
 CVP 28.99 40 ePc 54 33.60 -0.1
 GZH 29.21 21 iPd 54 37.00 1.4
 1.4s 190.00nm 5.6mb
 Z 18s 2.42um 4.9MsZ
 N 10s 1.14um
 E 10s 1.27um
 S 59 25.00
 KMI 29.28 0 Pc 54 37.50 1.0
 1.5s 430.00nm 5.9mb
 Z 14s 5.90um 5.4MsZ
 N 12s 1.60um
 E 12s 4.50um
 pP 54 51.50 56kmX

PcP 57 42.00
 S 59 25.00
 BAL 29.34 155 eP 54 35.00 -1.8
 MTN 29.45 109 eP 54 37.00 -0.9
 TLE 30.09 94 ePd 54 41.10 -2.5
 MUN 30.34 157 iPd 54 44.80 -0.8
 KLB 30.65 154 eP 54 48.00 -0.3
 GBA 30.65 306 Pd 54 49.20 0.7
 0.8s 6.00nm 4.4mb X
 GYA 30.86 7 iPc 54 50.80 0.4
 1.0s 190.00nm 5.8mb
 Z 16s 4.74um 5.2MsZ
 N 11s 0.60um
 E 11s 1.98um
 pP 55 08.00 72km
 PP 55 56.00
 PcP 57 45.80
 S 59 48.00
 sS 00 12.00
 ScP 01 21.00
 PcS 01 28.00
 SS 01 40.00
 NWA0 31.58 156 iPd 54 58.00 1.5
 COOL 31.69 149 iPd 54 56.10 -1.4
 HYB 32.08 313 eP 55 01.00 0.0
 eS 00 06.00
 RKG 32.94 158 eP 55 08.00 -0.3
 WRA 34.62 119 P 55 22.60 -0.4
 1.0s 25.20nm 5.1mb
 WB2 34.63 119 iPd 55 22.30 -0.8
 0.5s 75.00nm 5.9mb
 i 55 29.50 25kmX
 iPcP 57 56.30
 eS 00 44.30
 CD2 35.06 2 iPc 55 25.50 -1.1
 1.6s 630.00nm 6.3mb
 Z 20s 7.04um 5.4MsZ
 N 14s 5.72um
 pP 55 44.20 77km
 PP 56 49.80
 iS 00 50.80
 LSA 35.56 343 Pc 55 32.00 0.6
 1.1s 90.00nm 5.6mb
 FORT 35.62 141 eP 55 31.00 -0.4
 ASPA 35.82 125 iPd 55 33.00 -0.2
 0.4s 92.90nm 6.1mb
 iPP 55 40.10 24kmX
 e 56 46.80
 iS 01 03.10
 POO 36.29 310 iPd 55 37.00 -0.2
 iS 01 40.00
 WHN 36.46 17 iPc 55 39.50 1.1
 Z 20s 3.11um 5.1MsZ
 E 16s 4.13um
 PP 57 10.00
 PcP 58 02.00
 S 01 16.00
 XAN 38.63 8 iPc 55 56.70 0.0
 1.0s 420.00nm 6.3mb
 Z 15s 4.97um 5.5MsZ
 N 12s 2.05um
 E 12s 2.32um
 pP 56 14.00 70km
 PP 57 29.00
 S 01 45.50
 sS 02 18.00
 NJ2 39.36 22 Pc 56 03.80 1.1
 1.0s 73.00nm 5.5mb
 Z 18s 1.47um 4.9MsZ
 N 12s 1.96um
 PcP 58 10.50
 ScP 01 51.50
 S 02 00.00
 QIS 39.46 117 iPc 56 03.90 0.2
 eS 01 58.60
 SSE 39.46 26 iPc 56 04.60 1.1
 1.4s 440.00nm 6.2mb
 N 20s 6.10um
 E 20s 2.30um
 PcP 58 10.00
 PcS 02 02.00
 LZH 40.22 2 iPc 56 10.60 0.7
 2.0s 990.00nm 6.4mb
 Z 18s 3.43um 5.2MsZ
 N 12s 3.08um
 pP 56 29.00 75km
 PP 57 46.00

PcP 58 09.00
 PcS 02 04.00
 S 02 10.00
 SS 05 07.00
 ScS 06 07.00
 NDI 40.89 325 iPc 56 16.00 0.7
 0.6s 200.00nm 6.1mb
 iS 02 19.00
 TIA 42.57 17 Pc 56 28.90 -0.1
 1.4s 210.00nm 5.8mb
 Z 16s 4.59um 5.5MsZ
 E 13s 1.66um
 PcP 58 20.70
 S 02 46.60
 ScS 06 22.50
 TIY 42.82 12 iPc 56 32.00 0.9
 0.8s 200.00nm 6.0mb
 Z 18s 4.12um 5.4MsZ
 E 13s 2.02um
 S 02 50.00
 SS 05 57.00
 GTA 43.60 357 iPc 56 38.00 0.6
 1.5s 250.00nm 5.8mb
 Z 20s 6.33um 5.5MsZ
 N 13s 1.43um
 pP 56 50.00 43kmX
 sP 56 55.00
 PP 58 22.30
 PcP 58 30.50
 PcS 02 20.50
 sS 03 22.00
 KAGJ 44.47 35 P 56 43.90 -0.5
 PMG 44.53 99 eP 56 44.00 -1.2
 BTO 45.23 8 iPd 56 51.00 0.5
 1.6s 540.00nm 6.2mb
 N 13s 2.54um
 E 11s 0.95um
 pP 57 10.00 77km
 ePP 58 38.00
 S 03 26.00
 SS 06 40.00
 ADE 45.24 137 iPd 56 51.40 0.8
 CTA 45.30 114 iPc 56 51.50 0.2
 1.3s 182.69nm 5.8mb
 i 57 11.50 82kmX
 i 57 30.00
 i 58 49.50
 e 59 30.00
 iS 03 25.00
 i(sS) 03 32.00
 eSS 06 27.00
 e 09 50.50
 CTA0 45.30 114 ePc 56 51.34 0.0
 KUMJ 45.43 34 P 56 52.20 0.1
 GUMO 45.60 66 eP 56 50.99 -2.7
 PJG 45.60 66 eP 56 51.50 -2.1
 GUA 45.62 66 eP 56 51.30 -2.6
 0.6s 69.33nm 5.7mb
 STK 45.70 132 iPd 56 54.50 0.3
 0.9s 52.10nm 5.4mb
 eS 03 30.70
 HHC 45.71 10 iPc 56 55.00 0.7
 1.4s 970.00nm 6.5mb
 Z 25s 2.62um 5.1MsZ
 N 13s 1.57um
 E 12s 1.74um
 pP 57 11.00 63km
 PP 58 43.00
 S 03 34.00
 SS 06 56.00
 BJI 45.89 15 Pc 56 56.50 0.9
 1.6s 860.00nm 6.4mb
 Z 16s 2.34um 5.2MsZ
 N 14s 1.23um
 PcP 58 32.00
 PcS 02 26.50
 eS 03 36.00
 eScS 06 45.00
 DL2 46.49 21 eP 57 01.80 1.5
 1.0s 110.00nm 5.7mb
 Z 20s 1.23um 4.9MsZ
 E 13s 1.15um
 S 03 40.00
 SHNJ 46.78 33 P 57 03.00 0.3
 SHK 47.94 34 eP 57 10.90 -1.0
 TKSJ 48.32 36 P 57 14.90 0.1
 YONJ 48.86 34 P 57 18.60 -0.3

WKYJ SNY	49.40	37 P	57 23.20	0.1	ZAK	E 14s	0.58um			N 20s	0.50um		
	49.77	21 iP	57 25.00	-0.7			eS	05 33.00		E 20s	0.50um		
	1.4s	220.00nm	6.0mb			54.50	1 iPc	58 01.10	0.2		e	59 57.00	38kmX
	Z 20s	1.82um	5.1Msz			2.0s	409.00nm	6.1mb			e	00 08.00	
E 14s	1.08um				Z 12s	0.98um	5.1MszX		eS	08 48.50			
WMQ	49.77	346 iPc	57 26.40	0.5		N 12s	0.67um			e	09 41.00		
	1.0s	290.00nm	6.3mb		E 12s	0.58um							
	Z 24s	1.71um	5.0MszX			e	59 03.50	286kmX	PYA	71.76	319 iPc	59 54.00	-1.2
	N 12s	1.35um				eS	05 35.00			1.0s	150.00nm	5.9mb	71km
	E 12s	0.71um				e	07 41.00			i	00 13.00		
	pP	57 45.00	74km			e	09 21.00			iS	09 06.00		
	PcP	58 47.00				e	11 16.00		KIV	71.97	319 iPc	59 50.90	-5.7X
	PP	59 20.50			YAMJ	54.72	36 eP	58 02.00	-0.8		e	00 08.60	65km
	ScP	02 34.50			OFUJ	56.27	36 eP	58 12.80	-1.2		iS	09 05.60	
	PcS	02 42.80			IRK	56.41	1 iPc	58 14.00	-0.8		e	09 36.00	
S	04 27.40				1.8s	387.00nm	6.2mb		BUL	73.46	250 iPd	00 05.50	-0.3
ScS	07 07.50			Z 14s	1.50um	5.2MszX			BHL	73.53	307 P	00 04.00	-1.9
SS	07 56.50			N 14s	1.08um					S	09 30.00		
KSH	49.99	333 P	57 27.50	-0.2		e	58 31.00	65km	SNZO	73.75	132 (P)	00 06.09	-0.8
0.8s	140.00nm	6.0mb			e	01 43.00			SOC	73.79	318 iPc+	00 06.00	-1.0
Z 25s	2.48um	5.1MszX			eS	06 00.00				eS	09 28.00		
N 12s	1.32um			AOMJ	56.52	34 eP	58 16.70	1.0	PET	73.95	31 iPc+	00 07.00	-0.7
E 14s	3.04um			CIT	56.90	8 eP	58 19.50	1.2	0.6s	160.00nm	6.1mb		
				HNR	57.14	98 eP	58 19.00	-1.6	Z 18s	0.70um	5.0Msz		
					1.1s	506.33nm	6.5mb			e	02 54.00		
				MRRJ	58.17	33 P	58 26.70	-0.6		eS	09 36.00		
				SHI	58.63	309 iPc	58 30.50	-0.5		e	10 12.00		
				ASH	58.73	320 iPc	58 30.00	-1.3	SLR	73.98	245 eP	00 03.50	-5.2X
				HOJ	59.36	34 P	58 35.60	0.0	0.9s	41.00nm	5.4mb		
				ASAJ	60.16	32 P	58 40.40	-0.6	Z 22s	5950.00um	8.8MszX		
				CRZF	60.59	218 eP	59 01.00	17.0X	SEK	74.70	242 iPc	00 11.00	-1.9
						ePP	01 27.00		0.8s	33.00nm	5.3mb		
						eS	08 00.00		KSR	75.23	245 eP	00 14.50	-1.5
						eSS	10 51.00		0.7s	13.00nm	5.0mb		
				KUSJ	60.63	34 P	58 43.50	-0.7	KVT	75.45	314 iP	00 16.00	-0.7
				CSY	62.10	176 iPc	58 52.70	-1.1	ANN	75.89	318 eP	00 16.00	-3.0X
					1.6s	33.00nm	5.2mb			eS	09 50.00		
				YSS	62.17	30 iPc+	58 54.00	-0.5		e	10 21.00		
					0.7s	200.00nm	6.3mb		GRM	75.93	237 eP	00 20.50	0.8
				Z 15s</									

MNK	84.71	325	eP	01 06.00	0.3		2.7s	306.50nm		6.1mb	OSS	94.79	316	iPc	01 54.50	0.8	
PUL	84.89	331	ePc	01 07.00	0.6			e	01 51.20	56kmX	KONO	95.21	329	eP	01 55.14	0.0	
	1.8s	420.00nm			6.2mb	ZAG	90.69	316	iPc	01 35.70	1.1	TMA	95.66	316	ePc	01 57.20	-0.6
Z	30s	1.80um			5.3MszX	VKA	90.70	318	iPc	01 35.40	0.7	MMK	96.29	316	ePc	02 00.90	0.2
N	28s	0.40um					2.0s	343.00nm		6.3mb	DIX	96.67	316	iPc	02 03.20	0.7	
E	28s	0.50um				SGO	90.70	310	P	01 35.50	0.7	SBF	96.68	314	eP	02 01.60	-0.7
	e	11 24.00					1.9s	201.80nm		6.1mb		0.8s	14.90nm			5.6mb	
	eS	11 28.00				PTJ	90.72	316	iPc	01 35.70	0.8	CDF	96.73	318	iPd	02 01.50	-0.9
	ePS	12 26.00				DPC	90.85	320	iPc	01 36.24	0.9		1.0s	7.80nm		5.2mb	
	ePPS	12 47.00				MNO	90.95	308	P	01 37.90	1.6	LPG	97.15	315	eP	02 04.10	-0.5
	e	17 02.00					0.6s	21.40nm		5.7mb		0.8s	9.40nm			5.4mb	
THE	84.93	311	eP	01 07.10	0.0	KSP	90.97	321	iPc	01 36.50	0.7	LPL	97.16	315	eP	02 04.10	-0.5
KKB	85.06	313	iPc	01 02.00	-5.8X		1.0s	51.00nm		5.8mb		0.8s	9.80nm			5.4mb	
KNT	85.08	312	eP	01 07.42	-0.4		e	01 58.50	80km								
VTS	85.10	313	iPc	01 08.00	-0.2		e	05 13.00									
AGG	85.14	310	eP	01 07.58	-0.7	UPP	91.17	330	iP	01 36.40	-0.1	HAU	97.36	318	iPd	02 04.40	-0.8
LIT	85.20	311	eP	01 08.14	-0.4		iS	12 26.00					1.1s	22.45nm		5.6mb	
VAY	85.35	312	iP	01 08.80	-0.4	VBY	91.17	315	iPc	01 37.70	0.8	Z	23s	0.25um		4.6MszX	
	1.3s	120.00nm			5.8mb	LJU	91.72	316	ePc	01 40.30	0.9	LBF	99.01	317	iPd	02 12.00	-0.7
GRG	85.41	312	eP	01 09.26	-0.3		ePP	05 24.00					1.4s	14.80nm		5.3mb	
SPA	85.69	180	iPd	01 11.10	0.4		eS	12 05.00				LOR	99.08	317	iPd	02 12.30	-0.7
	0.9s	2.27nm			4.2mb X		e	12 34.00					1.4s	25.25nm		5.6mb	
Z	20s	1.17um			5.3Msz	CEY	91.77	316	ePc	01 40.00	0.3	Z	26s	0.25um		4.6MszX	
	i	29 03.00				PRU	92.01	320	iPc	01 41.30	0.7	SMF	99.13	316	iPd	02 12.60	-0.6
BMR	85.84	318	ePd	01 14.00	2.5		1.1s	35.10nm		5.7mb			0.8s	5.65nm		5.2mb	
NVL	86.18	199	eP	01 17.00	4.2X		PP	05 19.40				SSF	99.33	317	eP	02 12.80	-1.3
	e	11 27.00					SKS	12 05.50				AVF	99.45	317	iPd	02 13.90	-0.7
SKO	86.29	312	iPc	01 13.00	-0.9		SKKS	12 15.20					1.4s	13.05nm		5.3mb	
	1.8s	110.00nm			5.6mb		S	12 35.00				IMA	99.51	24	ePc	02 14.72	0.0
VLS	86.36	309	eP	01 14.30	0.0		pS	13 05.30					1.6s	52.39nm		5.9mb	
OHR	86.63	311	iPc	01 15.00</													

ISSA	131.00	45	PKP	07 44.89	0.7	CVL	146.49	1	ePKPd	08 12.53	0.5	SKO	1.97 260	iPn	22 46.00	0.6
			iSKP	11 01.17		NAV	147.03	5	ePKP	08 12.94	-0.1	OUR	2.01 181	ePn	22 47.78	1.8
HVVU	131.16	35	ePKPc	07 44.78	0.4	BLA	147.16	4	ePKP	08 12.89	-0.3			eSn	23 17.20	
			iSKP	11 02.63		GBTN	148.20	11	ePKPc	08 14.93	0.1	ALN	2.09 133	ePn	22 46.50	-0.6
DUG	132.14	37	ePKP	07 46.94	0.6	TKL	148.28	10	(PKP)	08 14.91	-0.1			eSn	23 18.18	
	Z 19s		0.34um		5.1msz				iPKPbc08	18.18		MFT	2.89 122	ePn	22 54.10	-4.6X
			iSKP	11 06.45		CEH	148.56	3	ePKPc	08 15.46	0.0	EZN	3.05 145	ePn	23 06.00	5.2X
BW06	132.26	32	ePKP	07 45.91	-0.7	MYNC	148.79	11	ePKPc	08 15.86	0.0		S.D. = 1.2	on	8 of 10 obs.	
			ePP	10 06.57			Z 20s		0.49um		5.3msz					
			iSKP	11 05.43					iPKPbc08	19.79			SEP 01, 1993	12h 54m 33.85± 0.68s		
SSK	132.27	46	ePKP	07 47.22	0.4	LHS	149.84	6	ePKPc	08 17.37	0.0		26.394 S ± 5.6km	27.499 E ± 8.9km		
GSC	132.35	45	ePKP	07 47.46	0.7				iPKPbc08	22.02			DEPTH = 5.0km	(geophysicist)		
			iSKP	11 07.50		JSC	149.99	6	PKP	08 18.23	0.6		REPUBLIC OF SOUTH AFRICA	(584)		
PEC	132.81	46	ePKP	07 48.35	0.7	PRM	150.04	8	(PKP)	08 18.30	0.5		ML 3.1 (PRE). mbLg 2.9 (BUL).			
			iSKP	11 08.62					iPKPbc08	22.96		PRY	0.53 182	eP	54 44.00	-0.6
DAU	132.92	35	ePKP	07 47.95	-0.1	AGX	150.24	52	(PKP)	08 26.50	8.2X		S	54 50.50		
			ePP	10 14.09		SGS	151.14	5	ePKP	08 20.92	1.5	KSR	0.76 314	eP	54 48.50	-0.6
			iSKP	11 09.07					iPKPbc08	25.67			S	54 58.00		
ARUT	133.23	40	ePKP	07 49.12	0.6	HBF	151.41	5	ePKP	08 21.74	1.9	SLR	0.96 47	iPd	54 52.40	-0.3
			eSKP	11 09.60					ePKPbc08	25.99			S	55 04.00		
PLM	133.29	47	ePKP	07 48.59	-0.2	MRX	152.25	55	(PKP)	08 24.00	2.6X	SEK	1.93 177	iPc	55 08.70	1.0
			iSKP	11 10.68		SIV	154.12	218	PKP	08 24.20	0.1		S	55 32.60		
EMUT	133.57	36	ePKP	07 49.70	0.5	III	154.33	55	(PKP)	08 34.00	9.4X	SWZ	2.10 248	eP	55 11.00	0.8
			iSKP	11 11.24		PPM	154.65	53	(PKP)	08 27.00	1.6		S	55 38.00		
MSU	133.58	38	ePKP	07 50.29	1.1	CCH	155.71	207	ePKP	08 20.00	-6.6X	BLF	2.94 203	eP	55 21.50	-0.8
			iSKP	11 11.69		CNCB	157.01	204	PKPc	08 29.60	1.0		S	55 57.00		
RSSD	133.96	27	ePKP	07 49.10	-0.6	LPB	157.31	204	ePKP	08 30.00	1.2	FRS	3.86 209	eP	55 45.00	9.9X
	Z 20s		0.24um		4.9msz			eLR	02 10.00		BUL	6.31 10	iPn	56 10.50	0.6	
			ePP	10 15.53		LPZ	157.54	204	iPKPc	08 29.70	0.3		iSn	57 20.00		
			iSKP	11 11.24				e	13 00.50			iSg	57 49.50			

01d 13h

39.148 N \pm 7.7km 28.052 E \pm 11.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.9 (ISK).

DST 0.64 44 iPg 21 16.50 -0.7
 IZM 0.97 220 iPn 21 20.60 -2.2
 KCT 1.12 12 iPn 21 25.80 0.4
 EDC 1.21 353 iPn 21 27.00 0.2
 EZN 1.50 297 ePn 21 32.00 0.8
 CIN 1.55 179 eP 21 34.00 2.1
 MFT 1.74 340 ePn 21 35.10 0.3
 YLV 1.74 35 ePn 21 34.10 -0.8
 S.D. = 1.5 on 8 of 8 obs.

& SEP 01, 1993 13h 51m 03.18s
 36.080 N 117.716 W
 DEPTH = 0.8km
 CALIFORNIA-NEVADA BORDER REGION (40)
 <PAS-P>. ML 3.3 (PAS), 3.5
 (BRK), 3.2 (GS).

VPEN 0.15 212 P 51 06.36 0.1
 WCHM 0.35 236 P 51 10.11 -0.1
 WSHM 0.48 158 P 51 12.89 0.1
 WLHM 0.49 279 P 51 12.67 -0.3
 WORM 0.57 228 P 51 14.14 -0.5
 ISA 0.74 236 ePnd 51 17.22 -0.8
 WASM 0.76 244 P 51 17.88 -0.5
 WJPM 0.91 223 P 51 20.44 -0.9
 WOFM 0.98 236 P 51 21.65 -1.0
 SNDC 1.05 207 P 51 22.92 -1.0
 GSC 1.07 136 iPc 51 23.17 -1.1
 ARVC 1.31 224 P 51 28.09 -0.3
 CWCR 1.49 342 P 51 31.02 -0.3
 MARC 1.71 231 P 51 35.93 1.7
 ABL 1.74 225 eP 51 34.38 -0.5
 CLKR 1.75 330 P 51 35.70 0.5
 CRGC 1.84 243 P 51 37.63 1.4
 MCSM 1.84 329 P 51 37.50 1.1
 FRI 1.84 300 iP 51 36.45 0.2
 MMPM 1.85 326 iPd 51 37.42 0.7
 MEMM 1.86 329 eP 51 37.50 1.0
 SSK 1.87 179 eP 51 35.84 -0.9
 BONR 1.93 346 iPd 51 38.37 0.6
 YEG 1.93 251 P 51 38.86 1.2
 TNP 2.04 11 eP 51 39.72 0.5
 BCH 2.13 246 eP 51 41.00 0.6
 CTM 2.13 267 P 51 42.18 1.7
 PDRM 2.16 278 P 51 42.30 1.4
 PEC 2.23 168 ePn 51 39.95 -1.9
 LLA 2.66 283 iP 51 49.60 1.6
 PLM 2.81 165 ePn 51 48.99 -1.3
 CMB 2.89 313 eP 51 53.90 2.5
 PRS 2.97 276 iP 51 53.79 1.4
 SAO 3.08 284 eP 51 54.61 0.6
 MNHM 3.22 311 P 51 59.95 4.0
 ARN 3.32 294 eP 51 58.01 0.6
 COE 3.39 291 (Pn) 52 01.27 2.9
 MHC 3.40 293 eP 52 00.31 1.7
 ARUT 3.83 62 ePn 52 04.08 -0.7
 ORV 4.58 320 (Pn) 52 17.00 1.7
 MSU 5.04 60 ePn 52 22.43 0.4
 41 obs. associated

SEP 01, 1993 14h 03m 19.16 \pm 0.14s
 2.986 N \pm 3.5km 96.122 E \pm 2.6km
 DEPTH = 34.0km (30 depth phases)
 5.9mb (156 obs.) 6.2MsZ (65 obs.)
 NORTHERN SUMATERA, INDONESIA (706)
 Mw 6.2 (GS), 6.3 (HRV). Ms 6.0
 (BRK). Mo=2.4*10**18 Nm (PPT).
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=124 Dip=77 Slip= 90
 NP2: 304 13 90
 Principal Axes:

T Plg=58 Azm= 34
 P 32 214
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 MOMENT TENSOR SOLUTION
 Dep 15 No. of sta: 27
 Moment Tensor; Scale 10**18 Nm
 Mrr= 1.10 Mtt=-1.11
 Mff= 0.00 Mrt= 1.90
 Mrf=-1.07 Mtf= 0.52
 Principal axes:
 T Val= 2.41 Plg=59 Azm= 35
 N 0.19 4 298
 P -2.59 31 205
 Best Double Couple: Mo=2.5*10**18
 NP1:Strike=282 Dip=15 Slip= 73
 NP2: 119 76 94
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 49S, **C M.W.: 32S, 48C
 Centroid Location:
 Origin Time 14:03:23.5 0.1
 Lat 2.85N 0.01 Lon 95.92E 0.01
 Dep 15.0 BDY Half-duration 3.1
 Moment Tensor; Scale 10**18 Nm
 Mrr= 0.96 0.01 Mtt=-0.60 0.01
 Mff=-0.37 0.01 Mrt= 2.18 0.05
 Mrf=-1.94 0.05 Mtf= 0.54 0.01
 Principal Axes:
 T Val= 3.05 Plg=54 Azm= 43
 N 0.07 1 311
 P -3.12 36 221
 Best Double Couple: Mo=3.1*10**18
 NP1:Strike=306 Dip= 9 Slip= 85
 NP2: 132 81 91
 IPM 5.14 72 ePc 04 36.70 0.8
 SNG 6.11 47 eP 04 50.50 0.9
 KGM 7.25 97 eP 05 05.70 0.1
 NNT 10.19 20 eP 05 46.40 0.2
 KBR 11.47 17 eP 06 13.50 9.8X
 KHT 11.97 12 eP 06 11.50 1.0
 NST 13.21 17 eP 06 27.00 0.0
 BDT 14.45 11 eP 06 43.00 -0.3
 LEM 15.06 130 ePd 06 50.50 -0.9
 LOE 15.35 21 eP 06 57.50 2.4
 CHTO 15.97 10 ePc 07 03.40 0.3
 VIS 19.30 320 P 07 52.50 8.2X
 KKM 20.26 81 ePd 07 47.20 -7.5X
 QIZ 20.84 39 P 08 00.60 0.0
 GBA 21.26 301 P 08 05.60 0.7
 TSM 21.75 86 ePc 08 11.50 1.7
 HYB 22.43 311 ePc 08 18.20 1.6
 KHKI 22.47 120 eP 08 18.00 1.0
 SHL 22.82 350 P 08 18.80 -1.8
 KMI 22.91 16 iPc 08 22.50 0.9
 MKS 24.71 109 iPc 08 39.00 0.2
 GYA 25.44 22 iPc 08 45.00 -0.7

1.2s 470.00nm 6.0mb
 Z 20s 77.80um 6.2MsZ
 N 14s 75.80um
 E 14s 23.10um
 HKC 25.99 41 iP 08 52.10 1.3
 GZH 26.03 38 Pc 08 52.00 0.9
 Z 20s 130.00nm 5.5mb
 N 14s 54.90um 6.1MsZ
 E 12s 57.20um
 PP 09 35.00
 PGP 26.67 66 eP 08 58.00 0.9
 POO 26.73 307 P 09 00.00 2.4
 TGY 26.87 64 iPc 09 02.00 3.0
 LSA 26.98 350 P 09 01.20 0.8
 Z 24s 130.00nm 5.6mb
 N 18s 68.80um 6.1MsZ
 E 15s 2.94um
 S 15.00um
 QVP 27.13 63 eP 09 00.00 -1.3
 BAG 27.50 59 ePc+ 09 04.00 -0.9
 BOM 27.75 306 P 09 04.00 -2.9
 GQP 28.17 66 ePd 09 10.00 -0.7
 MAP 28.60 74 ePc 09 15.00 0.4
 CD2 28.70 14 iPd 09 14.20 -1.2
 E 15s 320.00nm 6.0mb
 S 60.70um
 PcP 12 27.10
 S 13 56.00
 isS 14 14.60
 MNI 28.74 92 ePd 09 17.00 1.1
 CGP 28.93 78 eP 09 18.50 0.9
 CVP 29.14 58 ePc 09 20.10 0.6
 DAV 29.61 81 eP 09 23.00 -0.8
 PLP 29.74 73 ePd 09 26.70 1.8
 BIP 30.42 79 iPc 09 32.00 1.1
 QZH 30.74 43 Pc 09 33.00 -0.6
 Z 16s 74.70um 6.4MsZ
 N 13s 21.30um
 PP 10 40.00
 ss 14 54.00
 NDI 31.26 327 P 09 38.50 0.4
 S 14 40.00
 WHN 32.38 30 eP 09 48.00 0.1
 Z 1.0s 89.00nm 5.6mb
 N 19s 72.80um 6.4MsZ
 N 14s 41.10um
 XAN 33.12 20 P 09 52.50 -1.9
 Z 1.6s 510.00nm 6.2mb
 N 20s 71.50um 6.4MsZ
 N 14s 35.60um
 E 14s 23.10um
 pP 10 03.20 39km
 MBL 33.40 137 eP 09 55.00 -1.9
 LZH 33.70 11 Pc 09 57.50 -2.1
 Z 1.5s 660.00nm 6.3mb
 N 23s 49.70um 6.2MsZ
 N 15s 23.80um
 pP 10 09.00 42km
 sP 10 14.00
 PP 11 12.00
 S 15 18.00
 ss 15 36.00
 SS 17 25.00
 NJ2 35.95 34 Pc 10 19.00 0.3
 Z 1.0s 86.00nm 5.6mb
 N 14s 32.00um 6.2MsZ
 N 14s 45.70um
 E 12s 10.80um
 S 15 49.00
 GTA 36.41 5 Pc 10 21.50 -1.1
 Z 1.0s 170.00nm 5.9mb
 N 20s 48.40um 6.3MsZ
 N 16s 17.90um
 pP 10 34.00 46kmX
 sP 10 38.00
 PcP 12 42.00
 eS 16 02.00
 sS 16 16.00
 PcS 16 27.50
 ScS 20 30.50
 SSE 36.62 38 Pc 10 25.00 0.7

	1.0s	42.00nm		5.3mb				i	13	24.30			iS	19	42.00		
	Z 20s	64.30um		6.4Msz				eS	17	24.00			ePc	12	21.11	0.1	
	N 14s	35.00um				WB2	43.91	123 iPd	11	22.40	-2.3		0.9s	26.62nm		5.2mb	
	E 13s	14.50um					0.4s	90.90nm		5.9mb			51.13	44 eP	12	20.00	
MRWA	37.26	151 eP	10	43.00	13.3X	FRU	44.07	337 iP	11	25.80	0.1		51.13	44 eP	12	20.00	
KNA	37.27	121 eP	10	26.50	-3.4X		3.0s	2400.00nm		6.5mb			0.8s	17.16nm		5.1mb	
TLE	37.57	103 eP	10	30.00	-2.5		Z 24s	25.00um		6.0MszX			Z 20s	20.21um		6.1Msz	
TIY	37.66	21 eP	10	32.60	-0.4		N 24s	23.50um						eS		54.00	
	1.1s	100.00nm		5.6mb				i	11	37.00	39km		51.43	45 P	12	21.00	
	Z 12s	102.00um		6.8MszX				e	13	12.00			52.03	44 P	12	27.20	
	N 15s	76.80um						iS	18	00.00			52.32	104 eP	12	29.00	
	E 15s	50.50um						eP	21	24.00			53.21	43 eP	12	35.80	
		PP	12	07.00		SHNJ	44.96	42 eP	11	32.80	-0.1		54.27	117 iPc	12	42.50	
MTN	38.16	115 eP	10	34.90	-2.5	ASPA	45.33	128 iPc	11	33.50	-2.6		1.0s	20.00nm		5.1mb	
TIA	38.33	28 Pc	10	39.10	0.5		0.6s	41.20nm		5.5mb				i	12	45.00	
	1.4s	320.00nm		6.0mb			Z 23s	14.30um		5.8MszX				epP	13	08.00	
	Z 22s	43.80um		6.2Msz		FORT	45.33	140 eP	11	35.00	-0.9			eS	19	51.00	
	N 14s	29.40um				SNY	45.84	29 Pc	11	38.30	-1.5			i	20	20.00	
	E 13s	13.30um					1.2s	460.00nm		6.3mb				()	20	27.00	
		PP	12	06.00			Z 18s	40.80um		6.4Msz				eScS	22	30.00	
		S	16	35.00			E 13s	21.00um						eSS	23	27.00	
BAL	38.75	151 eP	10	45.00	2.8			PcP	13	16.00		CTAO	54.27	117 iPc	12	42.49	
BTO	39.49	17 P	10	48.00	-0.4			PP	13	30.00			1.1s	2389.79nm		7.1mb X	
	1.2s	290.00nm		5.9mb				S	18	26.00			Z 20s	626.94um		7.7MszX	
	N 14s	59.70um				SHK	46.25	43 eP	11	41.00	-2.2		N 21s	288.70um			
	E 14s	31.30um				TKSJ	46.89	44 P	11	48.30	0.0		E 21s	202.42um			
		pP	11	01.00	49kmX	YONJ	47.16	43 eP	11	50.60	0.2	AOMJ	54.65	41 eP	12	47.70	
		PP	12	25.00		ZAK	47.62	6 iPc	11	52.60	-1.1	OFUJ	54.77	43 eP	12	46.00	
		S	16	53.00			1.2s	258.00nm		6.1mb		ADE	54.95	137 eP	12	51.20	
		ScS	20	48.00			Z 15s	31.36um		6.4MszX		KER	55.18	310 eP	12	49.00	
MUN	39.66	153 eP	10	51.00	1.2		N 15s	14.40um				STK	55.35	133 iPd	12	50.10	
	Z 20s	19.90um		6.0Msz			E 11s	4.80um					0.8s	19.30nm		5.2mb	
	N 20s	9.60um						e	13	46.00	647kmX			eS	20	34.40	
	E 20s	11.80um						eS	18	48.00		BAK	55.86	318 iPd	13	00.00	
KLB	40.08	151 eP	10	57.00	3.8X			e	21	42.00			Z 12s	4.35um		5.8MszX	
HHC	40.19	18 Pc	10	54.50	0.4	WKYJ	48.10	45 P	11	57.50	-0.4		N 12s	11.06um			
	1.2s	700.00nm		6.3mb		CN2	48.23	28 Pc	11	57.50	-1.1		E 12s	11.06um			
	Z 23s	69.40um		6.4MszX			1.0s	110.00nm		5.8mb		MRRJ	56.08	39 eP	12	58.90	
	N 14s	48.20um					Z 16s	30.00um		6.4MszX		SAP	56.57	39 eP	13	03.00	
	E 14s	18.90um					N 16s	8.36um				PAF	56.75	200 eP	13	07.00	
		sP	11	10.00			E 16s	22.30um						ePP	15	08.00	
		PP	12	36.00				epP	12	08.40	38km			eS	20	57.00	
		S	17	03.00				ePcP	13	26.00				eSS	24	57.00	
		sS	17	18.00				ePP	13	48.00		SHE	56.83	318 iPc	13	02.50	
KSH	40.65	336 P	10	59.00	1.0			eS	18	50.00			56.83	318 iPc	13	02.50	
	0.9s	220.00nm		5.9mb				eS	19	08.00			1.0s	200.00nm		6.1mb	
	Z 20s	23.10um		6.0Msz		QIS	48.63	121 eP	12	00.00	-2.1		Z 18s	6.00um		5.7Msz	
	N 15s	16.70um				ASH	49.02	320 P	12	01.70	-3.1X		N 18s	9.00um			
	E 16s	11.30um					N 12s	1.92um				E 18s	13.00um				
		sP	11	12.00			E 12s	3.50um						iS	20	50.00	
		PP	12	37.00				e	14	01.00	692kmX			iP+	13	06.00	
		PcP	13	01.00				e	14	50.00		TAB	57.28	314 iP+	13	06.00	
		PcS	16	50.00				eS	19	06.00		HOOJ	57.46	40 eP	13	07.50	
		S	17	06.00				SS	22	25.80		ASAJ	57.94	38 eP	13	12.10	
		ScS	20	58.00					12	04.90	-0.3	KUSJ	58.73	40 eP	13	17.60	
NWAO	40.93	152 eP	11	04.00	3.9X	TSRJ	49.07	44 P	12	05.00	-0.6	NAI	59.45	267 ePc	13	24.00	
	Z 20s	7.30um		5.5Msz		SHI	49.07	307 eP	12	07.78	0.7		1.0s	1232.00nm		7.0mb X	
BJI	41.12	24 eP	11	02.50	0.9	GUMO	49.28	75 eP	12	06.40	-1.0		Z 20s	10.64um		6.0Msz	
	1.0s	810.00nm		6.4mb			1.7s	963.68nm		6.6mb		ERE	59.45	316 iP+	13	20.00	
	Z 16s	19.60um		6.1MszX		GUA	49.31	75 eP	12	06.40	-1.0			iS	21	24.00	
	N 13s	11.90um					1.0s	184.00nm		6.1mb		YSS	59.52	35 eP+	13	20.50	
		e	11	08.50	20kmX			e	12	08.50	7kmX			iPS	21	30.00	
COOL	41.27	147 eP	11	02.50	-0.6	IRK	49.59	7 eP	12	08.00	-1.0		Z 18s	13.10um		6.0mb	
		e	11	08.50	20kmX		1.5s	287.00nm		6.1mb			N 18s	19.00um		6.1Msz	
WMQ	41.34	351 iPc	11	03.00	-0.5		Z 17s	31.90um		6.4MszX			E 18s	12.30um			
	1.0s	79.00nm		5.4mb			N 17s	20.08um						e	15	35.00	
	Z 20s	29.90um		6.2Msz			E 17s	9.42um						eS	21	31.00	
	N 18s	21.40um						i	12	18.30	35km			ePS	21	40.00	
	E 18s	12.50um						e	13	31.00		MTA	59.89	317 iPc+	13	22.40	
		PP	11	15.00	44km			e	14	06.00			N 18s	1.00um		-1.7	
		sP	11	20.60				eS	19	12.00			E 18s	1.00um			
		PP	12	44.00				i	19	28.00				iS	21	32.40	
		PcP	12	59.50		IIDJ	50.39	45 P	12	15.40	0.0		GRO	60.04	320 iPc+	13	26.00
		ScP	16	43.00		ELT	50.76	352 iPc	12	17.00	-0.8			2.0s	360.00nm		6.2mb
		PcS	16	48.50				iS	19	32.00			Z 16s	6.00um		5.8MszX	
		S	17	20.50				eP	12	18.00	-0.8		N 18s	12.50um			
		sS	17	31.00		MDJ	50.86	31 eP		5.9mb			E 23s	7.00um			
		ScS	20	59.00			1.0s	140.00nm		6.3Msz				i	15	40.00	
DL2	42.64	30 eP	11	15.00	0.9		Z 20s	28.90um						iPPP	17	10.00	
	1.0s	570.00nm		6.3mb			N 16s	23.50um						iS	21	32.00	
	Z 25s	16.90um		5.8MszX		MTMJ	50.87	44 P	12	19.00	-0.1		SVE	60.63	339 iPc	13	27.00
	N 14s	9.40um				CIT	50.98	14 eP	12	19.70	0.0			2.0s	700.00nm		6.4mb
	E 13s	20.70um				VLA	51.06	33 iPc	12	20.00	-0.3			e	14	13.00	
		pP	11	28.00	48kmX		1.3s	249.00nm		6.0mb				e	15	44.00	
KAGJ	43.13	46 eP	11	18.10	-0.2		Z 17s	8.50um		5.8MszX				e	17	10.00	
KUMJ	43.85	44 eP	11	22.80	-1.2		N 17s	17.00um						e	25	32.00	
WB5	43.89	123 iPc	11	22.00	-2.6		E 17s	4.00um				ARU	61.09	337 ePc	13	28.00	
		iPPP	14	14.00				iPPP	14	14.00			1.2s	330.00nm		6.3mb	

Old 14h

Z	18s	16.00um	6.2Msz		0.9s	13.60nm	5.0mb		0.5s	46.00nm	5.7mb			
N	18s	6.00um		EYL	69.92	312 eP	14 26.00	-3.2X	Z	20s	37.30um	6.7Msz		
E	18s	12.00um		BFT	69.94	241 iPd	14 29.80	0.0	MMB	74.88	312 iP	14 57.00	-1.6	
		e	13 35.00	23kmX		1.7s	120.00nm	5.7mb	SRS	74.90	312 eP	14 57.72	-0.9	
		e	13 41.00		BUL	70.05	247 iP	14 29.60	-0.8	FRS	74.93	238 eP	15 01.00	2.1
		e	15 52.00				iPP	14 39.50	32km		1.0s	20.00nm		5.1mb
		eS	21 48.00				iS	23 40.00		SOH	75.04	311 eP	14 58.20	-1.3
		ePS	22 02.00		HRT	70.34	312 eP	14 31.60	-0.1	MNK	75.06	325 eP	14 58.00	-1.2
		e	23 20.00		YLV	70.50	312 eP	14 30.60	-2.2			e	19 34.00	
BWA	61.59	132 eP	13 37.60	1.7	OBN	70.52	328 iPc	14 31.50	-1.0			eS	24 29.00	
		ipP	13 46.40	29km		1.3s	360.00nm		6.3mb	KKB	75.40	312 iP	14 59.00	-2.5
PYA	62.05	319 ePc	13 37.00	-1.8	Z	20s	9.00um		6.0Msz	PUL	75.42	332 ePc	15 00.00	-1.1
		i	15 56.00	761kmX	N	20s	7.50um				1.2s	450.00nm		6.3mb
		iS	21 58.00		E	20s	5.50um			Z	23s	11.00um		6.1MszX
		iPS	23 26.00				i	14 59.00	109kmX	N	20s	2.90um		
KIV	62.26	319 eP	13 43.60	3.3X			iPcP	15 04.00		E	20s	9.60um		
	3.1s	970.00nm		6.4mb X			ePP	17 09.00				e	15 11.00	36km
		e	13 50.00	21kmX			ePPP	18 54.00				e	17 52.00	
		e	16 04.60				iS	23 39.00				eS	24 35.00	
		iS	22 06.50				ePS	24 15.00				eSP	25 15.00	
BRS	62.33	123 iPd	13 39.20	-1.7			iScS	24 52.00				eSS	29 25.00	
	1.0s	31.00nm		5.4mb			eSS	28 04.00		KNT	75.43	312 eP	15 00.80	-0.9
Z	18s	65.00um		6.8Msz			eSSS	31 39.00		VTs	75.43	313 iP	15 00.00	-1.8
		i	13 50.50	38km	ISK	70.84	313 eP	14 29.60	-5.1X	AGG	75.55	309 eP	15 02.20	-0.2
		e(PP)	16 09.00		CIN	70.84	309 eP	14 34.00	-0.8	LIT	75.58	311 iP	15 00.60	-1.9
		e	17 24.00		ITU	70.88	313 eP	14 34.00	-1.0	VAY	75.70	312 iP	15 01.50	-1.6
		eS	22 06.00		KCT	71.18	312 eP	14 37.60	0.7	GRG	75.77	311 eP	15 02.08	-1.6
		e	27 48.00		CTT	71.32	312 eP	14 36.60	-1.1	BMR	76.13	318 ePd	15 09.00	3.5X
		e	28 11.00		PET	71.36	34 eP+	14 37.00	-0.6	DRV	76.16	163 iP	15 15.00	9.8X
CAN	62.41	133 eP	13 41.70	0.3		1.0s	140.00nm		6.0mb			PP	18 15.00	
		ipP	13 51.00	30km	Z	17s	11.00um		6.2MszX			S	24 45.00	
ARMA	62.45	127 eP	13 41.10	-0.7	N	16s	5.50um					SS	29 18.00	
	0.9s	45.00nm		5.6mb	E	16s	9.30um			DEV	76.21	316 ePd	15 07.00	1.1
CNB	62.68	132 iPd	13 44.40	1.2			e	14 59.00	84kmX	GZR	76.21	316 ePd	15 07.50	1.4
	1.3s	75.00nm		5.7mb			ePPP	19 04.00		LVV	76.21	321 iP	15 08.00	2.1
CRZF	62.79	213 iPd	13 48.00	4.5X			eS	23 52.00				i	15 17.00	29km
		iS	22 21.00				ePS	24 20.00				iS	24 45.00	
		eSS	25 31.00				e	24 40.00				iPS	25 29.00	
RIV	63.40	130 eP	13 58.50	10.7X	SLR	71.49	242 eP	14 37.00	-2.1	SKO	76.63	312 iP	15 07.00	-1.4
Z	22s	0.89um		4.9MszX		0.8s	60.00nm		5.7mb	Z	17s	3.02um		5.7MszX
		eS	22 19.00		Z	22s	82.70um		7.0Msz			iPcP	15 16.80	83kmX
BHL	64.02	306 P	13 52.00	-0.1		71.53	312 iP	14 39.60	0.7			i	15 29.00	
		S	22 28.00		BNT	71.53	312 iP	14 39.60	0.7			iPP	17 55.00	
YAK	64.02	17 iPc	13 49.10	-2.4	EDC	71.57	312 eP	14 39.00	-0.2			iPP	17 55.00	
	1.0s	755.00nm		6.7mb	TIK	71.62	10 iPc+	14 38.00	-0.8			eS	24 40.00	
Z	16s	750.00um		8.0MszX		1.2s	300.00nm		6.2mb			ePS	25 30.00	
N	15s	25.00um			Z	18s	34.00um		6.7Msz			LR	57 22.00	
E	16s	30.00um					i	14 59.00	79kmX	OHR	76.99	311 iP	15 06.50	-4.0X
		ipP	13 57.00	25km			e	17 14.00			1.1s	90.00nm		5.7mb
		ePcP	14 24.00				iS	23 56.00				i	15 18.50	40km
		ePP	16 06.00				iPS	24 14.00				i	15 27.50	
		ePPP	17 29.00		MFT	72.10	312 eP	14 41.10	-1.3	LSK	77.02	310 eP	15 04.70	-6.0X
		iS	22 27.00		KIS	72.43	319 eP	14 42.00	-2.1	UZH	77.10	319 eP	15 12.50	1.7
		iPS	22 45.00				i	14 53.50	38km		0.8s	75.00nm		5.8mb
		eScS	23 40.00				iS	24 02.00				e	15 19.10	21kmX
SOC	64.08	318 iPc	13 50.00	-2.2			e	24 32.00				e	15 22.40	
Z	20s	5.00um		5.7Msz	CFR	72.45	317 eP	14 41.00	-3.2X			e	15 27.80	
N	19s	5.00um			EZN	72.63	311 eP	14 43.90	-1.5			e	18 00.00	
E	20s	2.00um			SEK	72.64	239 eP	14 42.00	-4.0X			iS	24 55.00	
		e	16 14.00	787kmX		1.5s	100.00nm		5.6mb			ePS	25 22.00	
		ePPP	17 44.00		KSR	72.74	242 eP	14 46.00	-0.6	SRN	77.44	310 eP	15 04.80	-8.1X
		iS	22 23.00			1.5s	80.00nm		5.5mb	BCI	77.70	313 eP	15 11.50	-2.8
		ePS	22 53.00		DZM	72.99	114 iPd	14 49.90	2.0	TIR	77.72	312 eP	15 16.70	2.3
		eSSS	29 20.00		CLI	73.37	318 eP	14 48.50	-1.1	BEW	77.77	236 iPc	15 18.40	3.4X
HNR	64.77	102 eP	13 57.00	-0.1	VRI	73.59	317 iPd	14 49.50	-1.4		1.0s	140.00nm		5.9mb
		e(S)	22 33.00		DIM	73.64	313 iP	14 50.00	-1.2	PVY	77.79	313 iPd	15 16.01	1.0
KVT	65.76	314 iP	14 13.00	9.8X	KDZ	73.65	313 iP	14 50.00	-1.4	IVA	77.88	313 iPd	15 16.75	1.3
ANN	66.17	318 iP+	14 03.00	-2.6	BUC1	73.74	315 eP	14 52.00	0.2	VLO	77.90	311 eP	15 16.50	1.1
		e	14 39.00	150kmX	PVL	74.01	314 iP	14 52.00	-1.3	KAF	78.01	333 iP	15 15.00	-0.6
		e	16 33.00		MLR	74.04	317 ePd	14 52.00	-1.7		0.9s	169.70nm		6.1mb
		eS	22 47.00				e	24 20.00		SDA	78.08	312 eP	15 18.50	2.2
		e	23 00.00		BLF	74.05	239 eP	14 50.00	-4.1X	ULC	78.25	312 iPd	15 15.77	-1.6
HLW	66.72	301 eP	14 10.00	0.6		1.5s	60.00nm		5.4mb	TTG	78.30	313 iPd	15 16.92	-0.6
		eS	23 00.00		PTT	74.05	318 eP	14 55.50	1.9	PLE	78.31	314 iPd	15 18.33	0.6
KAS	67.49	314 iPd	14 15.80	1.6	MAW	74.20	193 eP	14 53.40	-0.6	NUR	78.35	331 eP	15 17.50	0.1
SIM	68.33	318 iP+	14 18.00	-1.3		1.1s	5.40nm		4.5mb X		0.9s	68.40nm		5.7mb
		e	16 50.00		Z	17s	5.00um		5.9MszX	NKY	78.53	313 iPd	15 17.86	-1.2
		iS	23 16.00				epP	15 03.60	33km	WAR	78.54	323 eP	15 20.00	1.3
		iPS	23 16.00				eS	24 27.30		N	20s	12.00um		
BCK	68.87	309 eP	14 21.20	-1.7			eSS	29 18.70		E	20s	13.00um		
SKR	69.03	36 eP	14 22.00	-1.5			eP'P'	42 41.60				e	25 15.00	
		eS	23 34.00		PLD	74.25	313 iP	14 52.00	-2.8	BDV	78.60	312 iPd	15 17.25	-2.0
ELL	69.25	308 iP	14 25.00	-0.3	SWZ	74.39	241 iPc	14 56.00	-0.1	HCY	78.86	313 iPd	15 18.10	-2.6
ALT	69.60	311 eP	14 24.00	-3.3X		1.1s	100.00nm		5.7mb	BRY	78.87	313 iPd	15 18.78	-2.2
LSZ	69.60	253 iP	14 27.00	-0.7	OUR	74.48	311 eP	14 57.64	1.5	OJC	78.97	321 eP	15 20.10	-1.0
		i	14 37.00	32km	CMP	74.62	316 ePc	14 57.00	0.1		1.0s	144.00nm		5.9mb
KHL	69.88	310 iP	14 28.00	-1.1	PAIG	74.65	311 eP	14 55.76	-1.4			e	15 21.50	5kmX
CSY	69.89	174 iPc	14 27.00	-1.4	GRM	74.70	234 eP	15 02.00	4.4X			i	15 29.70	

		i	15	47.00				e(PP)	18	44.00				i	26	22.80		
		iS	25	15.80				e(PPP)	20	44.00				i	26	53.20		
LCI	79.05	310 P	15	21.20	-0.5			e	21	16.00			WATA	84.12	317 iPc	15	46.90 -1.4	
	1.7s	569.50nm			6.3mb			e(S)	25	48.00			MOX	84.22	320 eP+	15	48.80 0.3	
								e(SSS)	35	12.00				1.9s	118.00nm		5.7mb	
UZD	79.28	317 eP	15	22.00	-0.8					2.0		Z	19s	3.70um		5.8msz		
POF	79.45	240 e(P)	15	30.00	5.9X	TRI	82.53	316 P	15	42.00					eS	26	16.00	
	1.5s	86.00nm			5.5mb	AQU	82.61	312 P	15	41.20	0.6		FIR	84.24	314 eP	15	50.00 1.3	
SDF	79.55	338 iP	15	23.50	-0.4		1.1s	480.90nm			6.5mb				iS	26	10.00	
BRT	79.67	311 P	15	25.90	0.8	USI	82.63	308 P	15	40.90	0.2		FUR	84.35	318 eP	15	50.90 1.6	
	1.2s	227.70nm			6.0mb		1.1s	256.80nm			6.2mb				eS	26	13.90	
RAC	79.97	320 eP	15	28.00	1.5	RBL	82.71	316 P	15	40.50	-0.5		SQTA	84.36	317 iPd	15	48.80 -0.7	
		eS	25	30.00			1.2s	189.00nm			6.0mb			0.8s	27.80nm		5.5mb	
KEV	80.07	341 eP	15	26.53	-0.1	BRG	82.75	321 iP	15	42.00	0.9				i	16	00.50 38km	
	2.5s	687.41nm			6.2mb		1.5s	80.00nm			5.6mb		GRF	84.43	319 iP	15	49.90 0.2	
SOI	80.34	308 P	15	29.70	1.0		Z	21s	5.80um		5.9msz			1.0s	63.00nm		5.7mb	
	1.1s	75.40nm			5.6mb		N	21s	4.80um						ePP	19	07.00	
SMY	80.36	37 eP	15	26.07	-2.4		E	21s	4.70um						eS	26	13.00	
	1.1s	414.01nm			6.3mb				i	15	43.10	4kmX		MOTA	84.44	317 iPd	15	49.10 -0.8
Z	19s	5.62um			5.9msz				i	25	54.00				1.0s	77.00nm		5.8mb
HVAR	80.43	313 eP	15	29.50	0.4	TRO	82.76	340 eP	15	40.80	0.1		LOF	84.47	338 eP	15	49.88 0.4	
ZST	80.46	318 eP	15	28.50	-0.6	GEC2	82.77	319 e(P)	15	49.30	8.0X		OGA	84.48	317 eP	15	50.20 0.0	
		i(PcP)	15	34.10			0.9s	22.30nm			5.2mb		BDI	84.72	314 P	15	51.00 -0.3	
		i(pP)	15	39.50	36km	GEC2	82.77	319 eP	15	41.00	-0.3			0.8s	19.10nm		5.3mb	
		i	16	22.00			1.0s	43.72nm			5.5mb		NRAO	84.75	331 iPd	15	50.60 -0.4	
		e	18	10.00				epP	15	51.20	32km			iPP	19	13.00		
		e(PP)	18	34.00				esp	15	56.20			NRE0	84.75	331 iPc	15	54.70 3.7X	
		eS	25	34.00				e	16	00.40				iPP	19	09.20		
		e(sS)	25	52.00				e	16	08.70				iPPP	21	13.00		
GMB	80.50	308 P	15	31.50	1.7			eSP	26	42.60				iS	26	20.60		
	2.3s	791.90nm			6.3mb	KHC	82.87	319 P	15	42.40	0.6			iSS	31	56.70		
CER	80.67	236 eP	15	24.00	-6.6X		0.8s	13.70nm			5.1mb			iSSS	36	01.20		
	1.5s	240.00nm			6.0mb	Z	22s	3.60um			5.7msz		PII	84.77	313 P	15	52.20 0.8	
SOP	80.77	318 eP	15	30.20	-0.6		N	20s	4.30um					1.0s	44.20nm		5.6mb	
VRAC	80.91	319 iPd	15	32.40	0.9		E	20s	1.40um				SAL	84.80	315 P	15	53.30 1.8	
	3.3s	772.90nm			6.1mb X			e	15	51.00	27km			1.3s	875.50nm		6.8mb	
		i	15	39.00	21kmX			e	16	50.40			NB2	84.93	331 P	15	51.10 -0.8	
VKA	80.99	318 iPc	15	31.50	-0.5	KBA	82.90	317 iPd	15	42.10	-0.1			1.2s	71.50nm		5.7mb	
	2.5s	672.00nm			6.2mb		0.9s	24.00nm			5.3mb		OSS	85.08	316 ePc	15	53.20 0.0	
Z	19s	2.80um			5.6msz			i	15	45.70	11kmX		NAO	85.11	331 P	15	51.10 -1.7	
		i	15	42.90	37km			i	15	52.10			ILT	85.43	22 iPc	15	55.20 1.0	
		e	25	39.00				i	16	00.70				1.2s	111.00nm		5.9mb	
		LR	58	10.00				i	25	58.90			Z	16s	27.00um		6.7mszX	
ZAG	80.99	316 eP	15	33.10	1.1			i	26	33.40			N	20s	8.10um			
PTJ	81.01	316 eP	15	30.90	-1.3	CVT	82.90	307 P	15	43.30	1.2		E	16s	19.00um			
KTK1	81.13	340 eP	15	30.46	-1.9	ARV	83.00	313 P	15	43.00	0.4				i	16	05.00 31km	
DPC	81.14	320 eP	15	32.89	0.1		1.3s	560.00nm			6.5mb				i	19	14.60	
	0.9s	3.61nm			4.4mb X	RDP	83.10	312 P	15	43.80	0.7				i	26	20.00	
KSP	81.27	321 eP	15	33.50	0.2		1.4s	751.10nm			6.6mb				iPS	27	34.00	
	1.0s	49.00nm			5.5mb	RMP	83.11	312 P	15	45.40	2.3				iSS	32	04.00	
		i	15	36.00	8kmX		1.0s	401.90nm			6.5mb		VDL	85.54	316 eP	15	55.90 0.4	
		e	18	05.20		MNS	83.15	312 P	15	43.20	-0.2		BOB	85.55	314 P	15	56.20 0.8	
BLE	81.29	235 eP	15	43.05	9.3X		2.0s	625.90nm			6.4mb			1.3s	124.50nm		6.0mb	
	1.5s	130.00nm			5.7mb	ASS	83.19	313 P	15	45.40	1.8		KONO	85.68	329 eP	15	55.62 0.0	
MNO	81.41	308 P	15	37.10	2.5		1.5s	98.60nm			5.7mb			1.2s	192.78nm		6.2mb	
	0.9s	139.20nm			6.0mb	BRNL	83.23	322 ePc	15	43.30	-0.1		MUD	85.84	326 iPc	15	57.80 1.3	
VBY	81.47	315 eP	15	34.30	-0.2			eS	26	01.00				1.1s	150.00nm		6.1mb	
		iPcP	15	41.20		BHG	83.25	318 eP	15	43.10	-0.6		LLS	85.87	317 ePc	15	57.10 -0.1	
		ipP	15	45.00	34km	FVI	83.26	316 P	15	44.50	0.8		ADK	85.93	38 eP	15	57.96 0.9	
UPP	81.65	330 iP	15	34.50	-0.6		2.0s	313.60nm			6.1mb			1.1s	125.00nm		6.1mb	
	1.0s	200.00nm			6.1mb	BRN	83.32	322 eP	15	46.00	2.1		TMA	85.96	316 eP	15	56.80 -0.8	
		iPP	18	48.20		WET	83.33	319 eP	15	44.40	0.3		KBS	85.97	349 eP	15	56.80 0.0	
		iS	25	41.00			Z	16s	3.00um		5.8mszX		VAI	86.03	316 P	15	57.60 0.0	
GIB	81.94	308 P	15	37.50	0.3			eS	26	02.50				1.2s	72.10nm		5.8mb	
	1.4s	193.40nm			5.9mb	CLL	83.37	321 iPd	15	44.30	0.1		PCP	86.19	314 P	15	57.94 -0.7	
LJU	82.02	316 eP	15	37.00	-0.4		1.9s	170.00nm			5.8mb		TNS	86.23	320 ePc	15	59.20 0.5	
		ePcP	15	40.10	25km		Z	18s	4.50um		5.9msz		ZLA	86.28	317 ePc	15	59.10 0.1	
		e	15	45.00				eSKS	26	00.00			CKI	86.39	314 P	16	00.60 1.1	
		e	15	46.90		SNZO	83.40	132 eP	15	44.00	-0.5			1.9s	478.50nm		6.4mb	
		e	16	30.70				S	26	00.00			FIN	86.44	314 P	15	58.71 -1.1	
		eS	25	55.00				SS	31	25.00			FEL	86.53	318 P	15	59.99 -0.3	
CEY	82.07	316 eP	15	36.80	-0.9	HFS	83.65	330 eP	15	44.70	-0.7		MMK	86.59	316 eP	16	01.50 0.7	
RIY	82.07	315 eP	15	36.90	-0.7		0.4s	8.10nm			5.2mb		LANF	86.66	319 P	16	01.18 0.4	
PRU	82.30	320 P	15	39.60	0.9		Z	19s	7.19um		6.1msz		IMI	86.67	314 P	16	00.32 -0.7	
	Z	14s	3.10um		5.8mszX			LR	54	25.00			ROB	86.68	314 P	16	00.64 -0.4	
	N	14s	1.40um			SFI	83.81	314 P	15	47.70	1.1		MOL	86.71	332 eP	16	00.73 0.1	
	E	15s	2.80um				1.3s	390.50nm			6.4mb		BBS	86.88	317 P	16	03.23 1.3	
		i	15	49.20	30km			ePP	15	48.30	1.1		WLS	86.97	318 P	16	02.04 -0.3	
		ePP	19	04.00		COP	83.98	326 eP+	15	48.30	1.1		DIX	86.97	316 ePc	16	02.40 -0.3	
		S	25	52.50			0.8s	62.69nm			5.8mb		ENR	87.01	314 P	16	00.68 -1.9	
		SS	31	15.40				i	15	57.50	29km		CDF	87.02	318 P	16	02.46 -0.1	
KMR	82.43	318 iP+	15	38.30	-1.2	CTI	84.02	316 P	15	48.10	0.3		BNS	87.04	321 iPd	16	05.40 2.9	
VOY	82.46	316 eP	15	38.50	-1.3		1.1s	173.00nm			6.1mb		Z	15s	6.30um		6.1mszX	
	e	15	41.70	10kmX		HOF	84.03	320 iPd	15	48.60	0.9		STV	87.07	314 P	16	01.60 -1.3	
BSD	82.53	325 iPc	15	29.60	-10.2X	WTTA	84.07	317 iPd	15	47.20	-0.9		RSP	87.10	318 P	16	01.37 -1.7	
	0.7s	35.00nm					0.9s	51.80nm			5.7mb		ECH	87.10	315 P	16	03.14 0.2	
		i	15	59.10	39km			i	25	08.60			BHB	87.10	315 P	16	01.87 -1.1	
TRI	82.53	316 e(P)	15	38.80	-1.2			i	26	08.60								

Old 14h

DOI	87.12 314 P	16 03.30	0.1	MFF	92.16 317 eP	16 26.60	0.0	WDC	124.08 35 ePKP	22 15.63	-0.5
	0.7s 16.20nm		5.4mb		0.9s 47.15nm		5.9mb	Z 20s	4.17um		6.1Msz
LSD	87.17 315 P	16 03.43	-0.2	EPF	92.21 313 eP	16 26.30	-0.7		PP	24 02.85	
PZZ	87.23 314 P	16 04.71	1.0		1.3s 24.90nm		5.5mb		SP	33 49.55	
WTS	87.24 322 eP	16 04.00	0.6	EBR	92.33 311 eP	16 28.00	0.5	ORV	125.36 35 ePKPd	22 17.91	-0.7
	1.0s 48.70nm		5.7mb		eS	27 28.00			1.0s 10.00nm		
WIT	87.31 323 eP	16 06.00	2.3	EROQ	92.39 311 eP	16 29.19	1.4	Z 20s	2.90um		5.9Msz
LOMF	87.35 317 P	16 03.90	-0.3	GRR	92.43 319 eP	16 27.90	0.1		ePP	23 31.67	
BSF	87.36 318 eP	16 03.10	-1.2		1.7s 234.55nm		6.3mb		ePKKS	37 24.67	
	0.8s 16.10nm		5.3mb	LPF	92.59 318 eP	16 28.80	0.2		eSS	42 20.67	
RRL	87.44 315 P	16 03.74	-1.2		1.0s 76.00nm		6.1mb	SXM	125.42 23 ePKP	22 22.10	3.3X
LPG	87.45 315 eP	16 04.50	-0.5	DAG	92.66 348 eP	16 29.00	0.6	NTYM	125.43 37 ePKP	22 19.39	0.7
	1.1s 62.50nm		5.8mb	AFI	92.75 104 eP	16 48.00	18.0X	BKS	126.02 37 ePKPd	22 20.09	0.1
LPL	87.46 315 eP	16 04.50	-0.5		eS	27 44.00			1.8s 140.00nm		
	0.9s 56.00nm		5.8mb	EDI	92.76 326 PDIF	16 35.40	6.2X	STAN	126.36 38 ePKPd	22 22.95	2.3X
BNI	87.52 315 P	16 05.50	0.4		2.0s 275.00nm		6.3mb		0.8s 40.00nm		
	0.9s 31.40nm		5.6mb	Z 20s	4.00um		5.9Msz	MHC	126.72 38 ePKPd	22 22.34	0.9
HAU	87.65 318 eP	16 04.70	-0.9	N 22s	5.00um				2.5s 250.00nm		
	0.8s 49.70nm		5.8mb	E 22s	3.00um			COE	126.76 38 ePKP	22 22.14	0.7
WLF	87.73 319 iPd	16 07.32	1.5		ePP	20 04.00		ARN	126.79 37 ePKP	22 21.94	0.5
	2.6s 389.00nm		6.2mb	EGRA	92.78 312 iPc	16 28.05	-1.5	CMB	127.02 36 ePKPd	22 21.62	-0.3
ENN	87.83 321 eP	16 07.50	1.2	EKA	92.84 326 Pc	16 31.00	1.4		1.2s 20.00nm		
	1.0s 27.00nm		5.5mb		1.1s 27.90nm		5.6mb	Z 20s	4.30um		6.1Msz
VITF	87.89 318 P	16 06.73	0.1	SPA	92.96 180 iPc	16 40.30	10.2X	SAO	127.22 38 PKP	22 23.18	0.9
DBN	88.25 322 iP+	16 11.00	2.8		0.7s 77.73nm			Z 21s	4.16um		6.1Msz
Z 20s	3.50um		5.8Msz		Z 20s	42.97um	6.9Msz		PP	24 23.27	
	ePP	19 40.00			i	20 23.10		SAO	127.22 38 PKP	22 30.00	7.7X
	eS	26 46.00		ECHE	93.58 310 eP	16 36.99	3.6X	Z 21s	4.16um		6.1Msz
	e	39 32.00		ETOR	94.25 311 eP	16 36.79	0.3	HHAI	127.26 26 ePKP	22 24.05	1.7
DOU	88.71 320 Pc	16 10.90	0.4	ECRI	94.34 313 P	16 39.60	2.7	MEMM	128.11 35 ePKP	22 26.22	2.3X
	e	19 37.60			1.2s 44.80nm		5.8mb	BONR	128.28 35 (PKP)	22 25.35	0.7
UCC	88.83 321 P+	16 13.00	2.0	EVIA	94.88 309 eP	16 41.27	1.8	HVU	128.29 27 ePKP	22 24.56	0.2
	e	16 22.00	28km	EHUE	95.06 308 eP	16 42.00	1.7	CBM	128.39 346 ePKP	22 24.22	0.1
	S	26 59.00		SDN	95.14 34 (P)	16 37.10	-3.0X	Z 20s	6.70um		6.3Msz
SNF	88.89 320 iPd	16 11.65	0.3		1.3s 336.93nm		6.6mb		PP	24 22.76	
LBF	89.30 317 eP	16 12.90	-0.6	DLF	95.16 324 eP	16 44.00	3.7X		SP	34 39.52	
	1.2s 52.35nm		5.7mb	ECP	95.29 323 eP	16 41.80	0.9	LMN	128.51 343 ePKP	22 27.00	2.6X
LOR	89.37 317 eP	16 13.20	-0.6	IMA	95.36 23 eP	16 41.10	-0.1	TNP	128.80 34 ePKP	22 26.74	1.2
	1.2s 77.95nm		5.9mb		1.5s 77.15nm		5.9mb	BW06	128.88 24 ePKP	22 25.39	-0.2
Z 22s	2.40um		5.6Msz	ECB	95.50 323 eP	16 42.90	1.0	BCH	129.08 39 ePKP	22 25.52	-0.5
SMF	89.42 316 eP	16 14.10	0.1	DCN	95.59 324 eP	16 45.10	2.9	DUG	129.51 29 ePKP	22 27.87	1.2
	1.1s 51.75nm		5.7mb		e	20 39.00		Z 21s	4.82um		6.1Msz
PLDF	89.62 316 P	16 15.26	0.2	GUD	95.85 311 eP	16 44.95	1.0		PP	24 36.75	
SSF	89.62 317 eP	16 14.80	-0.1	EBAN	95.95 309 P	16 46.70	2.4		SP	34 41.34	
	1.7s 152.95nm		6.0mb	EGUA	95.97 307 P	16 45.00	0.6	RSSD	129.74 19 ePKP	22 28.49	1.4
AVF	89.75 317 eP	16 14.90	-0.6		1.2s 64.90nm		6.0mb	Z 21s	7.29um		6.3Msz
	1.1s 45.90nm		5.7mb	SVW	96.13 28 eP	16 45.62	1.0		PP	24 34.11	
LBL	89.93 315 P	16 17.41	0.9	PAB	96.17 310 eP	16 46.58	1.2	ISA	129.75 37 ePKP	22 26.95	-0.3
AGO	89.95 316 P	16 17.50	1.0		1.1s 13.49nm		5.3mb	Z 18s	5.89um		6.3Msz
PYM	90.06 316 P	16 19.24	2.1	EHOR	97.14 309 P	16 49.60	0.0		PP	24 38.79	
BGF	90.11 316 eP	16 17.30	0.1		0.8s 14.20nm		5.5mb		SKP	25 53.05	
	1.5s 183.85nm		6.1mb	VAL	97.68 323 eP	16 54.40	2.7	ABL	129.83 38 ePKP	22 29.49	1.9
HYF	90.20 317 eP	16 17.80	0.2	MBC	98.30 8 iPc	16 54.60	0.5	DAU	130.07 27 ePKP	22 29.10	1.1
MAF	90.33 316 eP	16 18.00	-0.3		1.7s 393.00nm		6.7mb		ePP	24 44.90	
	1.2s 35.70nm		5.5mb		PcP	16 55.20		GSC	130.99 36 ePKPd	22 30.13	0.5
TCF	90.57 316 eP	16 19.30	-0.1		PP	20 29.20			eSKP	25 50.84	
	1.8s 164.85nm		6.1mb	PWA	98.53 26 e(P)	16 55.80	0.4	ARUT	131.04 31 ePKP	22 31.70	2.0
ESEL	90.59 310 iPd	16 22.87	3.3X	PMR	98.89 26 eP	16 57.58	0.6		ePP	24 51.67	
CAF	90.79 315 eP	16 20.60	0.2		Z 20s	8.23um	6.2Msz		eSKP	25 55.06	
	1.6s 122.50nm		6.0mb	TOA	99.95 25 eP	17 04.30	2.3	MSU	131.13 30 ePKP	22 30.86	0.9
NVL	90.91 199 (P)	16 22.00	1.6	INK	101.09 17 ePdiff17	09.00	2.3X		eSKP	25 54.09	
	2.5s 497.00nm		6.4mb		0.9s 2.00nm		4.7mb X	SRU	131.45 28 ePKP	22 30.64	0.1
Z 16s	8.00um		6.3MszX	KIP	103.63 67 Pdiff	17 19.90	0.8	PEC	131.74 38 ePKP	22 33.03	2.0
N 16s	1.00um			HON	103.65 67 Pdiff	17 31.90	12.7X		eSKP	25 56.00	
E 16s	7.00um				Z 20s	7.41um	6.2Msz	LBNH	131.78 348 PKP	22 34.04	3.3X
	ePP	19 57.00			PP	21 39.18		Z 19s	6.26um		6.3Msz
	ePPP	22 02.00			SKS	28 10.65			PP	24 53.86	
	e	26 48.00		RAR	SP	31 32.26		LBNH	131.78 348 PKP	22 40.00	9.3X
	e	27 04.00		GMW	SS	36 40.86		Z 19s	4.72um		6.2Msz
	iS	27 22.00		RMW	104.22 111 (Pdiff17)	23.06	1.3	RSNY	131.94 351 ePKP	22 31.23	0.2
	ePS	28 25.00			119.23 29 ePKP	22 06.37	-0.2	Z 20s	5.81um		6.3Msz
	eSS	33 25.00		LON	119.77 29 ePKP	22 06.95	-0.7		eSKP	25 56.62	
	eSSS	36 44.00			120.27 29 ePKP	22 10.00	1.4	PV09	132.58 27 ePKP	22 32.85	0.0
LSF	91.04 316 eP	16 21.50	0.0		PP	23 44.63			ePP	24 58.95	
	1.9s 198.30nm		6.2mb		SKKP	35 27.03		PV10	132.72 27 ePKP	22 32.92	-0.1
RJF	91.14 315 eP	16 22.30	0.3	SHW	120.45 30 ePKP	22 09.92	0.8	PV08	132.74 27 ePKP	22 32.31	-0.9
	2.0s 298.55nm		6.3mb	DFW	121.13 26 ePKP	22 10.10	-0.1		eSKP	26 00.48	
Z 22s	2.60um		5.6Msz	NEW	121.31 25 ePKP	22 10.68	0.1	GOL	133.16 23 ePKP	22 33.04	-0.8
LPO	91.43 315 eP	16 23.70	0.4		Z 19s	18.95um	6.8Msz	Z 18s	3.38um		6.1Msz
	1.5s 131.10nm		6.1mb	FHC	123.10 36 (PKP)	22 15.14	1.0		ePP	24 52.59	
LFF	91.72 315 eP	16 25.20	0.5	LGPM	123.70 35 ePKP	22 15.27	-0.2		eSKP	26 02.76	
	1.7s 248.50nm		6.3mb	LBFM	123.94 34 ePKP	22 15.51	-0.6				
LDF	91.91 319 eP	16 25.50	0.0								
	1.0s 74.60nm		6.1mb								
FLN	92.13 319 eP	16 26.40	0.0								
	1.0s 66.20nm		6.0mb								
Z 22s	3.08um		5.7Msz								

GLD	133.17	23	PKP	22	40.21	6.5X	CNCB	159.20	228	PKP	23	12.00	-4.6X	SSF	32.55	180	iPd	32	40.00	0.1	
Z	19s		6.20um			6.3Msz				i	24	06.00			1.0s	11.00nm			4.7mb		
HRV	133.36	347	PKP+	22	30.52	-3.2X	LPB	159.46	228	ePKP	23	12.00	-4.7X	LBF	32.63	179	iPd	32	40.60	0.0	
Z	19s		8.91um			6.5Msz				i	24	05.00			0.9s	8.20nm			4.7mb		
GLA	133.73	37	ePKP	22	36.04	1.2	LPAZ	159.64	229	PKP	23	16.90	-0.3	AVF	32.82	180	iPd	32	42.40	0.2	
			PP	25	03.42					i	24	05.90			1.0s	13.80nm			4.8mb		
BINY	134.46	352	ePKP	22	36.78	0.9				SKP	26	50.50		SMF	32.97	180	iPd	32	43.70	0.2	
Z	19s		4.34um			6.2Msz				PP	27	36.90			1.0s	7.60nm			4.6mb		
YSNY	134.49	354	PKP+	22	32.92	-3.0X	ARE	161.90	221	e(PKP)	23	23.00	4.0X	BGF	33.06	181	iPd	32	44.60	0.3	
Z	19s		7.19um			6.4Msz	BOG	167.62	308	ePKP	23	24.00	-0.3		0.9s	23.25nm			5.1mb		
			PP	25	12.92					ePP	28	20.00		TCF	33.33	182	iPd	32	46.80	0.1	
LSCT	134.50	349	PKP	22	33.73	-2.2X	PSO	172.25	302	ePKP	23	29.00	2.2X		0.9s	13.75nm			4.9mb		
Z	19s		8.49um			6.5Msz				S.D. = 1.2	on 437 of 518 obs.		LSF	33.37	182	iPd	32	47.10	0.1		
PAL	135.28	349	ePKP	22	36.90	-0.5								0.7s	10.70nm			4.9mb			
TUC	136.60	34	(PKP)	22	36.04	-4.3X	? SEP 01, 1993	14h	17m	11.34±	3.03s		MAF	33.39	181	iPd	32	47.40	0.2		
Z	18s		4.38um			6.2Msz				39.656 N ±23.9km	29.443 E ±16.3km			1.0s	10.00nm			4.7mb			
			e	22	44.40					DEPTH = 10.0km	(geophysicist)		VOY	33.80	167	eP	32	52.00	1.2		
			e	23	17.97					TURKEY		(366)	LJU	33.81	166	eP	32	51.50	0.6		
			PP	25	23.91					ML 2.6 (ISK).			CEY	34.11	166	eP	32	54.00	0.5		
			SKKP	35	05.35								LPL	34.12	176	iPd	32	54.90	1.1		
ALQ	136.72	27	ePKP	22	41.07	0.4	DST	0.63	266	iPg	17	24.40	0.3		0.7s	4.85nm			4.5mb		
Z	18s		1.20um			5.7Msz	YLV	0.91	357	ePn	17	29.60	0.8	LPG	34.14	176	iPd	32	55.20	1.2	
			i	22	45.06		KCT	1.02	306	ePn	17	30.00	-0.7		1.1s	9.50nm			4.6mb		
			ePP	25	27.24		EYL	1.06	31	ePn	17	31.00	-0.4	RJF	34.32	182	iPd	32	55.60	0.4	
			eSKP	26	14.89					S.D. = 1.2	on 4 of 4 obs.			0.9s	18.35nm			5.0mb			
			SKKS	39	00.32								VBY	34.38	165	eP	32	56.00	0.2		
SOB1	136.84	260	ePKP	22	20.30	-20.9X				SEP 01, 1993	14h	26m	07.09±	0.56s	VAY	38.99	157	eP	33	55.00	0.4
MCWV	137.40	355	PKP	22	50.00	8.5X				79.490 N ± 6.7km	3.501 E ± 7.8km		PAB	40.18	189	iPd	33	46.40	1.7		
Z	20s		5.66um			6.3Msz				DEPTH = 10.0km	(geophysicist)		WMQ	46.24	86	iPd	34	34.50	0.8		
CCM	138.60	9	ePKP	22	33.47	-10.3X				4.7mb (31 obs.)			CN2	52.58	51	P	35	22.00	-0.4		
			ePP	25	24.87		GREENLAND SEA			(640)				1.0s	5.80nm			4.5mb			
			e	25	53.48								GTA	52.70	75	eP	35	23.00	-0.6		
VAO2	138.65	238	(PKP)	22	55.00	10.5X	DAG	5.31	251	iPd	27	28.00	-0.3		pP			35	27.70	16kmX	
FVM	138.79	8	ePKP	22	44.71	0.6				0.6s	69.33nm	5.5mb	OFUJ	59.29	37	eP	36	10.00	-0.7		
Z	21s		18.71um			6.8Msz	JNW	9.00	206	eP	28	18.53	-1.3	MAT	61.40	41	iPd	36	23.30	-1.9	
VAO	139.10	238	ePKP	22	47.00	1.8				eS	29	55.54		GYA	66.54	72	iPc	37	00.80	1.8	
			PP	25	25.31		JNE	9.03	205	eP	28	18.92	-1.3		1.0s	13.00nm			5.1mb		
			e	22	51.50					eS	29	53.61		GBA	73.79	103	P	37	42.60	-0.4	
			e	22	54.90		JMI	9.12	206	eP	28	20.32	-1.2		0.5s	3.00nm			4.6mb		
			e	23	11.10					eS	29	57.58		QIS	117.85	47	iPKPc	45	08.00	13.4X	
			e(PP)	25	35.00		ARA0	11.46	138	Pn	28	49.13	-4.4X	NVL	150.14	174	iPKPd	45	58.00	6.0X	
ELC	139.63	7	ePKP	22	45.71	0.1				Sn	30	49.28			1.0s	21.00nm					
			ePP	25	36.45		GTK1	11.69	143	eP	28	52.71	-4.0X	MAW	150.71	138	ePKP	46	00.20	7.3X	
MEO	139.97	19	iPKPd	22	40.90	-5.5X	SDF	13.58	140	iP	29	19.20	-2.6		1.0s	16.67nm					
RSTA	140.11	234	ePKP	22	49.70	2.8X	NB2	18.69	168	P	30	26.80	-0.2		Z	16s	6.25um			6.5MszX	
CEH	141.07	354	ePKP	22	46.75	-1.5				1.2s	21.60nm	4.2mb			S.D. = 1.0	on 49 of 56 obs.					
GBTN	141.55	0	(PKP)	22	49.10	-0.1	KAF	18.71	145	iP	30	25.10	-2.1			SEP 01, 1993	14h	36m	27.64±	0.96s	
MIAR	141.57	13	(PKP)	22	50.28	1.0				0.8s	20.30nm	4.4mb				2.888 N ± 3.6km	96.203 E ± 3.6km				
Z	19s		9.18um			6.5Msz	NRA0	19.01	168	P	30	30.96	0.1			DEPTH = 46.6 ± 7.9 km					
			ePP	25	55.20		HFS	19.70	165	eP	30	38.10	-0.9			5.3mb (82 obs.)	5.1Msz (1 obs.)				
			e	26	45.24					0.6s	6.10nm	4.1mb				NORTHERN SUMATERA, INDONESIA		(706)			
UYO	141.72	14	iPKPc	22	40.90	-8.6X	KONO	20.03	171	eP	30	42.50	0.1	IPM	5.10	71	ePc	37	44.80	1.3	
MYNC	142.14	0	ePKP	22	47.58	-2.7X	NUR	20.12	149	iP	30	43.80	0.5				eS	38	55.00		
Z	20s		6.32um			6.4Msz				0.6s	13.90nm	4.5mb	SNG	6.12	46	eP	37	59.00	1.1		
			e	25	26.30		UPP	20.20	159	iP	30	48.00	3.8X	KGM	7.16	97	iP	38	12.80	0.3	
			SKKP	35	53.33		EKA	24.37	189	Pc	31	29.90	4.2X				iS	39	03.50		
BAO	142.50	248	ePKP	22	47.00	-4.5X				0.7s	4.90nm	4.2mb	NST	13.28	17	eP	39	35.00	-0.8		
			e	23	06.00		BSD	24.78	164	iPc	31	28.70	-1.0	BDT	14.53	11	eP	39	51.00	-1.2	
LTX	142.68	29	ePKP	22	46.58	-4.9X				0.6s	53.00nm	5.4mb	LOE	15.41	20	eP	40	04.00	0.3		
			ePP	26	00.45		OBN	26.77	136	eP	31	48.00	-0.2	CHTO	16.05	9	ePc	40	11.60	-0.3	
JSC	142.85	356	ePKP	22	48.62	-2.8X				1.0s	35.00nm	5.0mb				0.9s	44.12nm			4.6mb	
PPD	143.15	236	ePKP	22	53.00	0.7	CLL	28.49	167	iPd	32	04.30	0.4	KKM	20.19	80	ePc	40	54.70	-6.7X	
RFA	145.28	203	ePKPd	22	54.50	-1.2				1.4s	20.00nm	4.7mb				0.8s	123.00nm			5.3mb	
MZX	145.93	39	(PKP)	22	57.00	0.0	BRG	28.96	166	iP	32	08.40	0.2	QIZ	20.87	39	eP	41	08.40	0.2	
TCA	146.44	211	ePKP	22	57.50	-0.2				1.0s	20.00nm	4.9mb	GBA	21.38	301	P	41	13.50	0.0		
PEL	147.55	201	ePKP	23	01.00	1.6	MOX	29.10	169	eP	32	10.60	1.2		1.1s	6.00nm			3.9mb X		
ZON	148.19	205	ePKP	23	03.80	3.3X				1.7s	44.00nm	5.0mb	TSM	21.67	86	ePc	41	16.50	0.1		
RTPR	148.24	209	e(PKP)	23	03.00	2.5X	KSP	29.11	163	ePd	32	10.00	0.5	KHKI	22.35	120	eP	41	25.00	1.9	
RTCB	148.29	205	ePKPc	23	02.50	1.8	PRU	29.88	166	Pd	32	17.30	0.9				e	43	51.00		
RTBS	148.41	204	e(PKP)	23	04.30	3.6X	GRF	30.04	170	iPd	32	19.00	1.1	HYB	22.55	311	eP	41	27.00	1.9	
CYA	149.37	212	ePKPd	23	04.50	2.1X				1.1s	16.00nm	4.8mb				1.0s	50.00nm			4.9mb	
AGX	149.42	35	(PKP)	23	12.00	9.5X	VRAC	30.66	163	iPd	32	24.60	1.4	KMI	22.99	15	Pc	41	30.50	0.9	
RTRS	149.71	205	e(PKP)	23	06.00	3.2X				0.7s	41.10nm	5.4mb				1.6s	160.00nm			5.2mb	
MRX	151.75	36	(PKP)	23	23.00	16.9X	KHC	30.69	167	eP	32	22.00	-1.6				pP	41	41.00	40kmX	
SJG	152.71	321	ePKP	23	05.94	-1.6				e	32	25.70		MKS	24.60	109	ePc	41	43.00	-2.0	
CRX	152.86	34	(PKP)	23	11.50	3.4X	FLN	30.88	185	iPd	32	24.30	-0.9	GYA	25.49	22	iPc	41	53.80	0.3	
PPM	153.72	33	(PKP)	23	13.00	3.4X				1.0s	12.20nm	4.7mb	LSA	27.09	350	P	42	09.10	0.5		
YJA	153.89	222	ePKPc	23	10.50	0.8	GE2	30.98	167	P	32	27.57	1.3		0.8s	70.00nm			5.3mb		
IIT	153.93	32	(PKP)	22	54.00	-15.6X	LDF	31.05	185	iPd	32	25.30	-1.4	BAG	27.48	59	eP	42	12.00	0.0	
SIV	154.10	239	PKP	23	08.20	-1.3				1.1s	13.45nm	4.7mb	GQP</								

CD2	28.77	14 eP	42 22.10	-1.2	YSS	59.55	35 iPc	46 27.50	-1.2	RBL	82.84	316 P	48 48.68	0.0
	1.0s	79.00nm		5.3mb			e	46 43.30			0.8s	20.00nm		5.2mb
CGP	28.87	78 iPc	42 26.00	1.7	SVE	60.75	338 iPc	46 36.00	-0.8	BRG	82.88	321 iP	48 49.20	0.5
NDI	31.38	327 iPc	42 45.50	-0.9		1.4s	100.00nm		5.8mb		0.9s	12.00nm		4.9mb
	0.9s	58.82nm		5.4mb			e	46 44.00		GEC2	82.90	319 ePc	48 49.00	0.0
		eS	47 52.00				e	46 50.20			0.9s	13.63nm		5.0mb
WHN	32.42	30 eP	42 54.50	-1.0	ARU	61.21	337 iPc	46 39.00	-1.0			e	48 53.10	
XAN	33.19	20 P	43 00.80	-1.4		1.0s	60.00nm		5.7mb			e	48 57.60	
	1.0s	68.00nm		5.5mb			e	46 47.00				e	49 01.30	
		pP	43 08.00	25kmX			e	46 54.00				e	49 07.30	
MBL	33.27	137 eP	43 03.40	0.4	BWA	61.47	132 iPc	46 42.80	0.7			e	49 10.80	
	0.6s	26.00nm		5.3mb			ipP	46 51.10	27kmX			e	49 16.10	
LZH	33.78	11 iPc	43 06.50	-1.0	PYA	62.18	319 iP	46 45.00	-1.7	KHC	82.99	319 P	48 50.00	0.6
	1.5s	160.00nm		5.7mb	BRS	62.21	123 iPc	46 47.00	-0.2		0.9s	3.00nm		4.3mb
Z	18s	3.17um		5.1Msz		1.0s	18.00nm		5.2mb			e	49 25.00	
E	13s	1.74um			CAN	62.29	133 iPc	46 47.30	-0.3	KBA	83.03	317 iPc	48 49.30	-0.5
		pP	43 16.00	32kmX			ipP	46 55.60	27kmX		0.8s	8.30nm		4.8mb
NJ2	35.99	34 Pd	43 26.40	0.3	ARMA	62.33	127 iPc	46 48.30	0.2	MNS	83.28	312 P	48 50.70	-0.3
	1.0s	26.00nm		5.1mb		1.1s	34.00nm		5.4mb		0.9s	24.10nm		5.2mb
GTA	36.50	5 iPc	43 30.00	-0.5	KIV	62.39	319 eP	46 51.40	3.2X	FVI	83.39	316 P	48 51.70	0.4
	1.0s	130.00nm		5.8mb		1.0s	22.00nm		5.2mb		0.9s	8.70nm		4.8mb
Z	16s	5.14um		5.4MszX			e	46 58.50		CLL	83.50	321 eP	48 52.00	0.2
N	14s	1.96um			CNB	62.55	132 eP	46 56.30	6.9X	SFI	83.94	314 P	48 55.02	0.8
		pP	43 39.00	30kmX		1.0s	30.00nm		5.4mb		1.5s	97.80nm		5.6mb
		sP	43 44.00		YAK	64.09	17 iPc	46 57.70	-1.3	CTI	84.15	316 P	48 55.95	0.5
		PcP	45 54.00			1.0s	242.00nm		6.2mb	WTTA	84.20	317 iPc	48 55.00	-0.7
		sS	49 22.00				eS	55 32.00			0.9s	16.70nm		5.1mb
		sScP	49 38.50		KAS	67.62	314 eP	47 28.00	6.0X			i	48 59.40	
		SS	51 38.00		SKR	69.06	36 eP	47 31.50	0.8	MOX	84.34	320 eP	48 56.50	0.4
		sScS	53 42.50			0.6s	80.00nm		5.9mb	GRF	84.56	319 iPc	48 58.10	0.8
SSE	36.65	37 Pc	43 32.00	0.3			e	47 39.50			0.9s	16.00nm		5.1mb
	1.0s	13.00nm		4.8mb	CSY	69.78	174 eP	47 34.60	-0.1	NB2	85.06	331 P	48 59.30	-0.2
KNA	37.15	121 eP	43 34.20	-1.9			e	50 27.40			0.9s	9.90nm		5.0mb
TLE	37.47	103 ePc	43 38.20	-0.6	BUL	70.0								

Z 20s	10.69um	6.3MsZK	NEV	0.73 244 eP	15 49.37	0.0	SUA	2.24 208 eP	09 08.48	0.1
SHW	120.49	30 (PKP)		eS	16 00.12		PMS	2.27 192 P	09 08.60	-0.1
DPW	121.19	26 ePKP	MBET	0.76 201 eP	15 49.75	0.0	CFI	2.31 171 eP	09 09.67	0.5
LGPM	123.73	35 (PKP)		eS	16 01.08		KLU	2.32 147 eP	09 10.13	0.7
LBFM	123.98	34 ePKP	DEG	1.38 145 eP	15 58.50	-0.2		eS	09 40.08	
HHAI	127.31	26 ePKP	PAG	1.43 172 eP	15 59.50	0.1	VLZ	2.55 155 eP	09 13.30	0.7
BW06	128.93	24 ePKP		S	16 16.39		VZW	2.58 158 eP	09 13.93	0.8
RSSD	129.81	19 (PKP)		S.D. = 0.4 on 6 of 6 obs.			PWL	2.61 178 eP	09 14.30	0.8
		eSKP		SEP 01, 1993 17h 01m 55.04± 3.79s			PTE	2.61 185 eP	09 14.40	1.0
DAU	130.12	27 (PKP)		38.096 N ±10.0km 31.167 E ±33.1km			CRP	2.76 219 eP	09 16.60	0.8
GSC	131.02	36 (PKP)		DEPTH = 10.0km (geophysicist)			CP2	2.79 220 eP	09 16.67	0.4
MSU	131.17	30 ePKP	TURKEY	(366)			CKN	2.81 219 eP	09 18.14	1.8
		eSKP	ML 3.5 (ISK).				BGL	2.83 221 eP	09 17.96	1.2
SRU	131.50	28 ePKP		BCK	0.78 216 iPn	02 09.70	BKG	2.88 159 eP	09 18.31	0.9
PV09	132.63	27 ePKP		ALT	1.27 319 iPn	02 18.50	GLB	2.99 130 eP	09 20.74	1.9
PV10	132.77	27 ePKP		KHL	1.31 280 iPn	02 19.00	MPA	3.00 188 eP	09 19.89	0.9
PV08	132.79	27 ePKP			eSg	02 37.00	SLKM	3.06 196 eP	09 21.33	1.5
ALQ	136.77	28 ePKP		ELL	1.68 217 iPn	02 25.00	CVA	3.20 154 eP	09 22.55	0.7
ELC	139.71	7 (PKP)		CIN	2.49 259 eP	02 37.00	HIN	3.22 162 eP	09 22.98	0.8
MIAR	141.65	13 ePKP		KAS	3.84 31 eP	03 10.50	SGAM	3.36 150 eP	09 23.96	-0.1
LTX	142.73	29 PKP			S.D. = 0.8 on 5 of 6 obs.		SEW	3.39 188 eP	09 26.00	1.5
PRM	143.20	358 (PKP)		% SEP 01, 1993 17h 07m 35.15± 0.87s			IMA	3.42 322 ePc	09 23.84	-1.3
MRA	146.07	208 ePKPd		26.388 S ± 6.9km 27.423 E ± 9.3km			DFR	3.47 216 eP	09 27.15	1.4
CNCB	159.19	227 ePKP		DEPTH = 5.0km (geophysicist)			RAGM	3.58 147 eP	09 28.91	1.6
LPB	159.45	228 PKP		REPUBLIC OF SOUTH AFRICA	(584)		SVW	4.05 238 (P)	09 33.87	-0.1
LPZA	159.63	228 iPKPc		ML 2.3 (PRE).				48 obs. associated		
		S.D. = 0.8 on 158 of 171 obs.		PRY	0.54 175 eP	07 44.90		* SEP 01, 1993 17h 48m 31.66± 1.02s		
		SEP 01, 1993 14h 59m 43.05± 0.61s			S	07 52.00		49.167 N ± 8.4km 6.918 E ± 10.2km		
		39.661 N ± 7.3km 20.393 E ± 5.5km		KSR	0.70 318 eP	07 48.70		DEPTH = 10.0km (geophysicist)		
		DEPTH = 10.0km (geophysicist)			S	07 58.00		GERMANY	(543)	
		GREECE-ALBANIA BORDER REGION		SLR	1.01 50 eP	07 55.00		ML 2.5 (STR), 2.4 (UCC).		
		ML 3.0 (THE). MD 3.0 (ATH).			eSg	08 08.20				
IGT	0.14 200 ePg	59 46.70		SEK	1.94 175 iPc	08 10.00	WLF	0.71 315 iPd	48 45.52	0.0
		eSg			S	08 34.00		iS	48 54.83	
KEK	0.46 277 ePb	59 52.00		SWZ	2.04 247 iPd	08 11.30	CDF	0.79 162 Pg	48 46.43	-0.7
KZN	1.24 58 ePb	00 03.60			S	08 36.00		Sg	48 58.33	
FNA	1.35 34 ePb	00 08.90			S		WLS	0.81 159 Pg	48 46.08	-1.3
		eSb			S.D. = 1.1 on 5 of 5 obs.			Sg	48 58.42	
OHR	1.48 12 iPn	00 09.80			& SEP 01, 1993 17h 08m 31.05s		ECH	0.96 170 Pg	48 49.56	-0.5
		i			63.453 N 148.552 W			Sg	49 02.67	
		i			DEPTH = 13.8km		VITF	1.13 213 Pg	48 51.87	-1.0
VLS	1.49 174 ePb	00 11.60			CENTRAL ALASKA	(1)		Sg	49 07.12	
AGG	1.63 112 ePb	00 12.50			<AEIC>. ML 3.0 (AEIC), 3.2		MOF	1.32 174 Pg	48 56.54	0.4
		eSb			(PMR). Felt (II) at Denali Park			Sg	49 14.44	
LIT	1.67 74 iPb	00 13.02			Headquarters.		FEL	1.48 150 Pg	48 59.63	1.1
		eSb					ENN	1.73 339 ePn	49 05.00	3.1X
GRG	2.01 49 ePn	00 17.62						0.8s eSn	49 25.00	
KNT	2.43 51 ePn	00 23.46					DOU	1.77 303 iPc	49 05.50	2.9X
SKO	2.44 19 ePn	00 26.00						iS	49 24.80	
PAIG	2.55 83 ePn	00 23.22					LOMF	1.82 182 Pg	49 05.65	2.3
SOH	2.55 62 ePn	00 24.62					GEC2	4.48 92 Pn	49 40.80	-0.4
OUR	2.84 75 ePn	00 29.30						Pg	50 01.30	
		S.D. = 0.8 on 11 of 14 obs.						Sn	50 30.50	
		% SEP 01, 1993 15h 09m 43.46± 1.60s						Sg	50 57.80	
		31.262 S ±11.2km 68.365 W ± 9.5km						S.D. = 1.3 on 9 of 11 obs.		
		DEPTH = 93.7 ± 21.4 km						& SEP 01, 1993 18h 18m 29.81s		
		SAN JUAN PROVINCE, ARGENTINA						40.293 N 124.351 W		
		(137)						DEPTH = 8.7km		
RTLL	0.11 233 iPc	09 57.00						NEAR COAST OF NORTHERN CALIF. (35)		
		S						<GM>P>. MD 3.4 (GM). ML 3.6		
RTCB	0.43 239 iPd	09 58.50						(BRK). Felt (III) at Rio Dell.		
		S						Felt strongly at Petrolia.		
RTCV	0.62 194 eP	10 00.00								
		S								
RTBS	1.01 247 ePd	10 03.70								
		S								
RTRS	1.44 319 eP	10 09.00								
		S								
RTPR	1.86 60 eP	10 14.50								
MRA	2.53 118 ePc	10 23.40								
		S								
		S.D. = 0.2 on 7 of 7 obs.								
		? SEP 01, 1993 15h 15m 35.50± 3.85s								
		17.456 N ±34.3km 61.879 W ±14.5km								
		DEPTH = 33.0km (normal)								
		LEEWARD ISLANDS								
		ML 2.6 (PDF). MD 2.7 (TRN).								
ANG	0.30 171 eP	15 43.80								
		eS								
BPA	0.41 177 eP	15 44.50								
		S								

Old 18h

GAS 1.41 116 P 18 54.00 -1.8
 WDC 1.41 78 ePc 18 53.85 -1.9
 GHLM 1.62 140 P 18 56.27 -2.5
 GMCM 1.77 147 P 18 58.15 -2.7
 GPMM 1.81 143 P 18 59.15 -2.3
 LGBM 1.95 57 P 19 03.01 -0.6
 MIN 2.10 88 ePd 19 03.79 -2.0
 LBFM 2.14 60 ePc 19 05.42 -1.1
 LSLM 2.16 85 P 19 05.03 -1.5
 OGOM 2.20 106 P 19 05.23 -1.8
 OBHM 2.31 105 P 19 06.86 -1.9
 ORV 2.31 108 ePd 19 06.78 -1.9

AARM 2.76 111 P 19 14.93 -0.2
 NFIM 2.80 157 P 19 12.78 -2.8
 PCC 3.18 151 iP 19 17.82 -3.2
 JHPM 3.26 150 P 19 21.44 -0.8
 STAN 3.35 149 ePd 19 20.30 -3.1
 MHC 3.63 143 ePc 19 24.14 -3.4
 ARN 3.67 142 eP 19 25.53 -2.5
 GCC 3.74 150 iP 19 25.46 -3.6
 CMB 3.82 125 (P) 19 27.82 -2.3
 SAO 4.20 146 iPd 19 31.33 -4.1
 PRS 4.60 148 eP 19 37.71 -3.4
 38 obs. associated

SEP 01, 1993 19h 57m 56.87± 0.45s
 33.032 S ± 8.5km 70.177 W ± 11.0km
 DEPTH = 120.0km (geophysicist)
 CHILE-ARGENTINA BORDER REGION (127)
 MD 4.0 (SAN).

FCH 0.31 198 iP+ 58 14.38 -0.3
 PEL 0.44 255 iPd 58 14.78 0.0
 JACH 0.49 315 iPd 58 14.85 -0.3
 SAN 0.58 224 eP 58 15.46 -0.2
 PCH 0.65 206 iPd 58 16.61 0.4
 ROCH 0.70 275 iP+ 58 16.62 -0.2
 TACH 0.89 226 iPd 58 18.15 0.0
 CACH 1.14 198 iP+ 58 21.55 0.8
 LCCH 1.25 249 iPd 58 21.86 0.1
 LNV 1.38 228 iPd 58 22.71 -0.6
 RTCV 1.81 50 eP 57 37.00 -51.5X
 RTCB 1.93 38 ePd 58 30.00 0.0
 RTLL 2.23 41 eP 58 33.00 -0.8
 RTRS 2.92 12 e(P) 58 43.80 1.1
 SLA 9.23 28 iPd 00 02.00 -6.6X
 HJA 10.65 24 ePd 00 03.00 -24.2X
 S.D. = 0.6 on 13 of 16 obs.

& SEP 01, 1993 20h 23m 43.52s
 61.481 N 147.332 W
 DEPTH = 20.0km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 3.5 (AEIC), 3.5
 (PMR). Felt (II) at Anchorage
 and Valdez.

SCM 0.35 0 iPd 23 51.17 0.0
 CFI 0.37 215 eP 23 51.24 0.0
 VZW 0.57 138 ePc 23 53.98 -0.7
 SML 0.58 305 iPc 23 53.90 -1.0
 VLZ 0.60 126 iPc 23 54.18 -1.0
 KLU 0.68 88 iPc 23 55.66 -0.9
 PWL 0.79 218 iPd 23 57.38 -1.1

GHO 0.81 292 iPc 23 57.51 -1.4
 TOA 0.83 41 P 23 58.50 -0.7
 FID 0.84 150 iPc 23 58.11 -1.2
 PLRM 0.87 278 iPc 23 58.43 -1.3
 PMR 0.87 278 iPc 23 58.10 -1.7
 PTE 1.03 234 iPd 24 01.03 -1.4
 PMS 1.10 259 P 24 02.20 -1.5
 HIN 1.16 159 eP 24 03.50 -1.2
 CVA 1.21 140 eP 24 04.40 -1.0
 PWA 1.23 279 P 24 04.00 -1.6
 SDG 1.35 38 iPd 24 06.19 -1.1
 MPA 1.40 226 eP 24 06.56 -1.5
 SGAM 1.43 133 eP 24 06.30 -2.1
 MTU 1.51 186 eP 24 08.81 -0.7
 DHY 1.60 359 ePd 24 09.41 -1.7
 SUA 1.64 271 eP 24 09.11 -2.4
 CUT 1.67 305 iPc 24 10.73 -1.1
 GLB 1.69 90 ePc 24 10.86 -1.4
 RAGM 1.70 129 eP 24 11.33 -1.1
 SLKM 1.71 237 eP 24 11.29 -1.3
 SEW 1.73 218 eP 24 11.11 -1.6
 PAX 1.73 29 eP 24 11.71 -1.2
 HUR 1.85 325 eP 24 13.61 -0.9
 HMT 1.89 126 eP 24 13.66 -1.5
 NKA 2.04 250 eP 24 18.35 1.2
 RND 2.06 341 eP 24 16.82 -0.8
 SKT 2.06 286 eP 24 16.23 -1.4
 KAIM 2.12 136 eP 24 16.85 -1.6
 MID 2.12 166 P 24 18.20 -0.2
 CRQM 2.16 108 eP 24 18.27 -0.9
 SPU 2.30 265 eP 24 19.28 -1.7
 TGL 2.30 106 eP 24 20.10 -1.0
 NCG 2.32 270 iPc 24 19.77 -1.6
 CRP 2.33 267 eP 24 19.32 -2.3
 CKN 2.35 266 eP 24 21.39 -0.3
 CKT 2.37 265 eP 24 20.50 -1.5
 CP2 2.37 267 eP 24 20.97 -1.2
 MCK 2.38 343 eP 24 21.61 -0.5
 TRF 2.41 327 iPc 24 21.64 -1.0
 BKG 2.42 262 eP 24 20.89 -1.8
 WAX 2.42 113 eP 24 21.62 -1.1
 CKL 2.43 265 eP 24 21.65 -1.3
 BGL 2.45 267 eP 24 21.46 -1.7
 BALM 2.45 98 iPc 24 21.86 -1.4
 SNH 2.56 119 P 24 26.00 1.3
 KTH 2.66 323 eP 24 25.16 -1.1
 TMW 2.74 46 P 24 31.20 4.0
 CNPM 2.75 226 eP 24 26.07 -1.4
 DFR 2.75 253 eP 24 25.57 -2.0
 CYK 2.76 118 P 24 30.00 2.5
 REF 2.80 252 eP 24 26.30 -2.0
 HOM 2.81 231 eP 24 25.73 -2.4
 RSO 2.83 251 eP 24 26.95 -1.8
 RS2 2.84 251 eP 24 27.00 -1.8
 RED 2.86 251 eP 24 26.99 -2.0
 BWN 2.87 341 eP 24 27.71 -1.4
 NCT 2.88 254 eP 24 27.25 -2.0
 HDA 2.94 3 eP 24 28.86 -1.2
 CTGM 2.95 97 eP 24 27.79 -2.5
 YAH 2.95 110 P 24 32.20 1.8
 XLV 2.98 229 eP 24 28.90 -1.6
 ILIM 3.10 245 eP 24 30.37 -2.0
 INE 3.15 246 eP 24 31.34 -1.9
 CCB 3.19 356 eP 24 32.04 -1.5
 NEA 3.21 346 eP 24 31.76 -2.1
 FBA 3.44 357 eP 24 35.04 -2.1
 OPT 3.44 240 eP 24 35.58 -1.6
 GLM 3.52 360 eP 24 36.71 -1.7
 AUE 3.67 237 eP 24 38.77 -1.7
 AUL 3.69 238 eP 24 39.31 -1.4
 AUP 3.69 238 eP 24 38.88 -2.0
 AGU 3.70 238 eP 24 38.90 -2.0
 AUH 3.70 238 eP 24 39.37 -1.6
 AUW 3.71 238 eP 24 39.51 -1.5

AUI 3.71 237 eP 24 39.16 -1.9
 PDB 3.78 246 eP 24 39.50 -2.5
 SYI 3.84 224 eP 24 41.85 -0.9
 MLY 3.88 338 eP 24 41.30 -2.2
 SVW 4.02 268 (P) 24 41.51 -3.9
 TTA 4.32 293 (P) 24 46.58 -3.1
 KDC 4.57 217 eP 24 49.24 -3.9
 IMA 5.39 331 eP 25 01.62 -3.4
 89 obs. associated

& SEP 01, 1993 20h 50m 06.07s
 60.081 N 153.314 W
 DEPTH = 140.1km
 SOUTHERN ALASKA (2)
 <AEIC>.

INW 0.09 98 iP 50 24.41 0.7
 INE 0.13 99 iP 50 24.49 0.6
 ILIM 0.18 90 iP 50 24.37 0.6
 OPT 0.43 174 iP 50 25.55 -0.7
 RED 0.43 38 eP 50 25.27 -1.0
 RS2 0.47 36 iP 50 25.69 -1.0
 RSO 0.47 36 iP 50 25.73 -0.9
 RDW 0.48 32 iP 50 26.65 0.0
 REF 0.51 36 eP 50 25.91 -0.9
 NCT 0.52 21 iP 50 25.86 -0.9
 PDB 0.53 237 iP 50 25.67 -1.0
 DFR 0.60 31 iP 50 26.12 -1.1
 RDT 0.67 42 iP 50 26.65 -1.0
 AUL 0.70 185 eP 50 27.31 -0.5
 AUW 0.72 186 eP 50 27.35 -0.5
 AUH 0.72 185 eP 50 27.80 -0.2
 AUP 0.72 184 eP 50 27.04 -1.0
 AUE 0.72 182 eP 50 27.19 -0.7
 AUI 0.75 184 eP 50 27.42 -0.7
 HOM 0.94 116 eP 50 29.05 -0.6
 BKG 1.12 27 iP 50 30.57 -0.8
 CNPM 1.19 117 iP 50 31.07 -0.9
 CKL 1.22 23 eP 50 31.68 -0.7
 NKA 1.23 56 eP 50 32.95 0.7
 CKT 1.25 25 eP 50 31.82 -0.9
 BRLL 1.26 104 eP 50 32.12 -0.6
 SPU 1.27 29 eP 50 32.08 -0.7
 BGL 1.27 21 eP 50 32.54 -0.4
 CP2 1.30 24 eP 50 32.82 -0.5
 CRP 1.32 25 eP 50 32.96 -0.5
 NCG 1.44 23 eP 50 34.61 -0.1
 SVW 1.54 313 P 50 34.70 -1.0
 SYI 1.55 162 iP 50 34.81 -0.9
 SLKM 1.60 73 iP 50 35.00 -1.4
 SUA 1.88 41 eP 50 38.50 -1.2
 SEW 1.94 88 eP 50 38.55 -1.7
 MPA 2.01 77 eP 50 39.65 -1.5
 SKT 2.09 24 eP 50 41.37 -0.8
 PMS 2.19 56 P 50 41.50 -1.8
 PTE 2.27 68 eP 50 43.21 -1.0
 KDC 2.38 169 (P) 50 42.30 -3.3
 PWL 2.59 70 eP 50 46.54 -1.8
 GHO 2.73 50 eP 50 47.62 -2.6
 CUT 2.76 31 eP 50 49.30 -1.2
 MTU 2.84 89 eP 50 50.13 -1.5
 HIN 3.41 82 eP 50 57.01 -2.0
 FID 3.46 76 eP 50 57.35 -2.2
 VZW 3.48 71 eP 50 58.66 -1.3
 VLZ 3.60 70 eP 51 00.16 -1.3
 TRF 3.68 22 eP 51 00.97 -1.7
 CVA 3.79 80 eP 51 01.92 -2.1
 51 obs. associated

SEP 01, 1993 21h 12m 44.18± 1.14s
 38.477 N ± 8.9km 20.356 E ± 8.4km
 DEPTH = 14.3 ± 4.0 km
 3.7mb (2 obs.)
 GREECE (364)
 ML 3.8 (THE), 3.6 (ATH), 3.4
 (TIR).

Old 21h

VLS 0.35 148 ePg 12 52.30 0.6
 IGT 1.05 359 ePg 13 03.96 0.3
 KEK 1.31 341 ePb 13 10.00 2.1
 SRN 1.43 349 ePn 13 10.60 1.1
 AGG 1.64 70 ePb 13 11.64 -1.0
 LSK 1.68 6 iPnc 13 13.10 -0.2
 VLO 2.10 342 ePn 13 20.50 1.3
 KZN 2.13 31 ePn 13 21.00 1.2
 LIT 2.32 45 ePn 13 23.92 1.5
 FNA 2.43 19 iPn 13 25.14 1.0
 OHR 2.65 7 iPn 13 28.50 1.2
 i 13 34.00
 i 13 49.00
 i 14 00.20
 i 14 14.50
 ATH 2.69 100 ePn 13 28.00 0.2
 VLI 2.70 130 ePb 13 31.50 3.6X
 TIR 2.89 353 ePn 13 31.50 1.0
 GRG 2.94 32 ePn 13 31.50 0.3
 PAIG 2.96 60 ePn 13 30.32 -1.2
 eSn 14 06.36
 SOH 3.29 44 ePn 13 35.84 -0.5
 eSn 14 13.08
 VAY 3.31 30 iPn 13 36.20 -0.3
 KNT 3.32 35 ePn 13 37.04 0.4
 eSn 14 14.00
 OUR 3.37 55 ePn 13 36.78 -0.5
 SKO 3.59 13 ePn 13 40.50 0.0
 e 13 46.00
 i 14 50.50
 SRS 3.63 42 ePn 13 41.00 -0.1
 SDA 3.63 350 ePn 13 42.00 1.0
 BCI 3.89 357 ePn 13 42.20 -2.6
 RDO 4.80 55 ePn 13 56.50 -1.1
 HVAR 5.55 329 e(Pn) 14 06.40 -1.9
 VBY 7.98 333 ePn 14 41.10 -1.3
 e(Sn) 16 07.00
 MLR 8.15 29 eP 14 24.00 -20.8X
 CEY 8.49 331 ePn 14 48.00 -1.5
 eSn 16 20.50
 GEC2 11.42 337 Pn 15 27.20 -2.6
 Sn 17 29.50
 EKA 23.11 324 Pd 17 57.60 7.3X
 1.4s 6.60nm 4.0mb
 NB2 23.30 349 P 17 54.80 2.7
 0.7s 1.00nm 3.5mb
 S.D. = 1.4 on 29 of 32 obs.
 * SEP 01, 1993 21h 44m 26.39 ± 1.11s
 4.724 S ± 6.8km 152.532 E ± 13.0km
 DEPTH = 65.9 ± 9.8 km
 4.4mb (3 obs.)
 NEW BRITAIN REGION, P.N.G. (192)
 RAB 0.64 325 iPd 44 40.00 -0.5
 0.4s 3118.64nm
 iS 44 50.00
 PMG 7.07 229 eP 46 11.00 1.4
 HNR 8.72 123 P 46 45.00 12.7X
 S 47 57.00
 CTA 16.45 201 eP 48 17.00 2.5X
 i 48 40.50
 GUA 19.66 337 eP 48 53.10 0.3
 1.1s 405.06nm 5.6mb X
 GUMO 19.72 337 eP 48 53.70 0.2
 1.1s 290.60nm 5.5mb X
 PJG 19.72 337 eP 48 53.70 0.2
 DZM 21.89 143 iPc 49 15.30 -0.3
 BRS 22.54 179 iPc 49 22.00 0.0
 1.0s 7.00nm 4.0mb
 e 49 37.00
 e 50 17.00
 WB2 23.29 228 iPc 49 28.50 -0.7
 0.6s 35.50nm 5.0mb
 ASPA 26.03 222 eP 49 54.20 -1.1
 0.9s 10.50nm 4.4mb
 CHTO 57.71 296 eP 54 13.00 0.0
 GEC2 123.85 328 ePKP 03 17.70 -1.0
 0.7s 0.80nm
 CNCB 134.60 119 PKP 03 41.50 0.8
 LPAZ 134.69 118 (PKP) 03 41.70 0.7
 S.D. = 0.8 on 13 of 15 obs.

SEP 02, 1993 00h 51m 21.81 ± 0.30s
 41.135 N ± 3.1km 20.095 E ± 3.0km
 DEPTH = 9.4 ± 2.1 km
 ALBANIA (391)
 ML 3.6 (THE), 3.4 (TIR). MD 3.5
 (ATH).
 TIR 0.27 321 iPgc 51 27.50 0.0
 iSg 51 33.50
 VLO 0.81 215 iPg 51 36.80 -0.7
 iSg 51 52.60
 SDA 1.02 334 iPnc 51 42.00 0.9
 iSn 51 59.00
 FNA 1.03 109 ePg 51 40.60 -0.8
 eSg 51 53.96
 ULC 1.04 323 iPg 51 40.89 -0.7
 iSg 51 57.13
 BCI 1.23 359 iPnd 51 43.70 -1.1
 iSn 52 02.70
 SRN 1.26 183 ePn 51 45.10 -0.1
 iSn 52 04.50
 SKO 1.31 50 iPg 51 45.50 -0.6
 i 51 46.80
 eSg 52 02.00
 i 52 04.00
 TTG 1.44 335 iPg 51 47.39 -0.5
 iSg 52 09.74
 KEK 1.44 189 ePg 51 49.00 1.0
 PVY 1.46 356 iPg 51 47.93 -0.5
 iSg 52 09.92
 BDV 1.49 321 iPgc 51 49.14 0.5
 iSg 52 11.84
 KZN 1.52 122 ePg 51 49.00 -0.2
 IGT 1.61 173 ePb 51 51.88 1.4
 eSb 52 15.92
 IVA 1.74 355 iPnd 51 53.05 0.6
 iSn 52 18.08
 GRG 1.75 95 iPb 51 51.97 -0.6
 eSb 52 15.72
 HCY 1.77 318 iPnd 51 53.90 1.1
 iSn 52 19.87
 NKY 1.87 334 iPnc 51 55.02 0.8
 iSn 52 21.66
 VAY 1.88 84 iPn 51 53.00 -1.3
 LIT 2.10 119 ePn 51 56.96 -0.5
 eSn 52 26.40
 BRY 2.11 327 iPnd 51 58.58 0.8
 iSn 52 27.75
 KNT 2.12 88 ePn 51 56.80 -1.0
 THE 2.23 102 ePn 52 00.28 0.8
 eSn 52 27.68
 PLE 2.25 347 iPnd 52 00.21 0.3
 iSn 52 30.86
 SOH 2.49 96 ePn 52 03.32 0.2
 iSn 52 35.84
 SRS 2.64 89 iPn 52 05.76 0.5
 VTS 2.74 57 P 52 06.00 -0.9
 MMB 2.77 79 iP 52 08.00 0.8
 VLS 2.98 172 ePn 52 09.00 -1.1
 OUR 3.06 104 ePn 52 11.76 0.6
 HVAR 3.39 308 ePn 52 17.00 1.1
 RZN 3.52 79 iP 52 19.00 1.1
 PLD 3.59 73 iP 52 20.00 1.3
 KDZ 4.04 81 iP 52 25.00 -0.1
 VLI 4.94 152 ePg 52 49.00 11.2X
 VBY 5.61 323 ePn 52 46.50 -0.9
 PTJ 5.63 329 e(P) 52 47.10 -0.6
 MLR 6.10 42 eP 53 20.00 25.7X
 CEY 6.18 320 ePn 52 54.90 -0.5
 eSn 54 04.00
 VOY 6.65 319 ePn 53 00.70 -1.4
 eSn 54 16.80
 VRI 6.75 43 eP 53 05.50 2.0
 S.D. = 0.9 on 39 of 41 obs.
 SEP 02, 1993 02h 03m 52.55 ± 0.79s
 41.098 N ± 9.1km 26.094 E ± 5.2km
 DEPTH = 5.0km (geophysicist)
 GREECE-BULGARIA BORDER REGION (363)
 ML 3.4 (THE), 3.3 (ISK).
 ALN 0.20 190 iPg 03 57.29 0.6
 eSg 04 02.00
 EZN 1.28 172 iPn 04 16.10 -0.7
 EDC 1.54 119 iPn 04 21.00 0.3
 OUR 1.78 245 iPb 04 23.36 -0.8
 eSb 04 46.56

SRS 1.89 271 ePb 04 25.30 -0.5
 eSb 04 49.36
 SOH 2.09 263 ePb 04 29.92 1.2
 eSb 04 54.72
 KNT 2.41 273 ePn 04 33.32 0.0
 eSn 05 03.40
 DST 2.44 127 ePn 04 34.00 0.2
 YLV 2.54 101 ePn 04 35.00 -0.2
 S.D. = 0.7 on 9 of 9 obs.
 SEP 02, 1993 03h 13m 44.70 ± 0.63s
 45.056 N ± 5.8km 3.016 E ± 5.3km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 3.0 (LDG).
 CAF 0.69 259 Pg 13 58.10 -0.3
 Sg 14 07.40
 RJF 1.09 284 Pn 14 05.50 0.3
 Pg 14 06.80
 Sg 14 19.80
 MAF 1.21 345 Pn 14 07.90 0.7
 Pg 14 08.70
 Sg 14 22.80
 LPO 1.35 255 Pn 14 09.90 0.3
 Pg 14 11.10
 Sg 14 28.00
 TCF 1.36 336 Pn 14 09.50 -0.1
 Sg 14 27.70
 BGF 1.51 356 Pn 14 11.60 -0.1
 Pg 14 13.90
 Sg 14 32.50
 LSF 1.59 319 Pn 14 12.90 0.0
 Pg 14 15.00
 Sg 14 34.60
 LFF 1.62 267 Pn 14 14.30 0.9
 Pg 14 16.10
 Sg 14 36.30
 SMF 1.69 20 Pn 14 14.00 -0.4
 Pg 14 16.50
 Sg 14 37.80
 AVF 1.75 8 Pn 14 14.70 -0.6
 Pg 14 17.50
 Sg 14 39.20
 SSF 2.03 9 Pn 14 19.20 -0.2
 Pg 14 23.30
 Sg 14 48.30
 LBF 2.04 19 Pn 14 19.40 -0.1
 Pg 14 23.30
 Sg 14 48.20
 LOR 2.29 15 Pn 14 22.80 -0.3
 Pg 14 28.00
 Sg 14 56.10
 LPG 2.67 79 Pn 14 29.90 1.1
 MFF 2.70 306 Pg 14 36.00 7.1X
 Sg 15 08.30
 EPF 2.80 225 Pn 14 29.20 -1.2
 Pg 14 38.40
 Sg 15 14.00
 S.D. = 0.6 on 15 of 16 obs.
 ? SEP 02, 1993 03h 36m 45.06 ± 7.10s
 45.093 N ± 41.3km 2.994 E ± 59.1km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.0 (LDG).
 CAF 0.68 256 Pg 36 57.90 -0.7
 Sg 37 07.10
 MAF 1.17 345 Pg 37 07.30 0.4
 Sg 37 22.40
 LPO 1.35 253 Pg 37 10.60 0.7
 Sg 37 27.40
 BGF 1.47 356 Pg 37 11.10 -0.5
 Sg 37 32.00
 S.D. = 1.2 on 4 of 4 obs.
 SEP 02, 1993 03h 37m 45.40 ± 0.96s
 45.202 N ± 9.1km 14.768 E ± 5.7km
 DEPTH = 10.0km (geophysicist)
 NORTHWESTERN BALKAN REGION (383)
 ML 3.0 (VIE), MD 2.9 (TRI). Felt
 in the Crikvenica-Grizane area.
 RIY 0.30 298 iPg 37 50.60 -1.1
 iSg 37 56.20
 VBY 0.46 49 iPg 37 53.10 -1.6

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

SEP 02, 1993 05h 07m 17.05± 0.81s
38.910 N ± 8.4km 25.777 E ± 5.2km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 3.8 (THE), 3.3 (ATH).

DLF	15.97	53	eP	28	08.30	7.6X
Eval	17.69	109	eP	28	25.00	2.5
GUD	18.03	97	eP	28	30.50	3.7X
PAB	18.36	100	eP	28	27.00	-3.8X
			eS	32	16.00	
EKA	18.56	49	Pc	28	36.90	3.9X
	0.9s	7.80nm				3.9mb
EHOR	18.57	106	eP	28	35.00	1.7
LPF	18.60	72	eP	28	34.30	0.7
	1.1s	22.45nm				4.3mb
GRR	18.71	71	eP	28	36.00	1.0
	1.2s	20.85nm				4.2mb
EJIF	19.17	110	eP	28	41.50	0.8
LDF	19.20	71	eP	28	40.90	0.0
	1.3s	29.25nm				4.4mb
MFF	19.32	77	eP	28	42.30	-0.1
	1.1s	17.60nm				4.2mb
ELUQ	19.37	106	eP	28	43.00	-0.2
ETOR	19.43	95	eP	28	45.00	1.1

JHA	19.87	127 eP	28 48.00	-0.5
ECOG	20.00	106 eP	28 50.00	0.0
EVIA	20.05	101 eP	28 50.00	-0.5
EGRA	20.17	89 eP	28 56.00	4.4X
LFF	20.20	81 eP	28 50.70	-1.2
	1.1s	19.80nm		4.4mb
EGUA	20.23	107 eP	28 52.50	0.1
EPF	20.38	87 eP	28 51.30	-2.6
	1.6s	22.40nm		4.3mb
EHUE	20.38	103 eP	28 54.00	0.0
LSF	20.51	77 eP	28 54.70	-0.5
	1.4s	70.15nm		4.8mb
LPO	20.56	82 eP	28 54.30	-1.4
	1.4s	43.55nm		4.6mb
RJF	20.66	80 eP	28 55.50	-1.3
	1.2s	18.45nm		4.3mb
Z	20s	0.95um		4.1MsZ
ECHE	20.69	97 eP	28 56.30	-0.8
TGT	20.88	115 iP	28 58.00	-1.1
TCF	20.97	77 eP	28 59.50	-0.5
	1.1s	44.70nm		4.8mb
AKU	20.99	11 eP	29 05.00	5.2X
	1.1s	35.44nm		4.7mb
ENIJ	21.08	105 eP	29 00.40	-0.7
CAF	21.12	81 eP	29 00.00	-1.5
	1.7s	55.15nm		4.7mb
MAF	21.23	77 eP	29 02.10	-0.4
	1.2s	60.40nm		4.9mb
BGF	21.37	76 eP	29 03.50	-0.5
	1.2s	67.85nm		4.9mb
TZK	21.43	114 iP	29 03.00	-1.6
AVF	21.68	75 eP	29 06.80	-0.3
	1.0s	42.40nm		4.8mb
SSF	21.75	74 eP	29 07.60	-0.2
	1.1s	71.80nm		5.0mb
LOR	21.96	74 eP	29 09.80	-0.1
	1.0s	46.60nm		4.9mb
Z	21s	0.80um		4.1MsZ
SMF	22.04	75 eP	29 10.50	-0.1
	1.2s	41.05nm		4.7mb
SNF	22.07	65 P	29 18.60	7.8X
LBF	22.08	75 eP	29 10.80	-0.3
	1.6s	64.05nm		4.8mb
DOU	22.26	66 P	29 15.80	3.0X
ENN	23.11	64 eP	29 25.00	3.9X
	1.0s	9.00nm		4.3mb
HAU	23.55	71 eP	29 26.00	0.5
	1.7s	69.85nm		4.9mb
Z	23s	0.50um		3.9MsZ
BSF	23.86	72 eP	29 29.20	0.6
	1.0s	27.60nm		4.8mb
CDF	24.12	70 eP	29 32.10	1.0
	2.0s	71.15nm		4.9mb
DIX	24.57	76 eP	29 37.40	1.7
LMN	25.61	284 eP	29 46.00	0.7
VDL	25.89	74 eP	29 49.90	1.8
GRF	26.56	67 e(P)	29 54.00	-0.1
	1.6s	39.00nm		4.8mb
Z	18s	0.10um		3.4MsZ
MOX	26.73	64 eP	30 01.00	5.4X
Z	18s	0.70um		4.3MsZ
		e(S)	34 38.00	
CLL	27.56	63 eP	30 04.00	0.9
	1.3s	11.00nm		4.4mb
		e	30 08.00	14km
KHC	28.16	67 P	30 09.40	0.8
	1.2s	10.00nm		4.5mb
Z	20s	0.60um		4.2MsZ
N	18s	0.50um		
E	20s	0.60um		
		e	30 17.60	29kmX
		e	30 57.00	
BRG	28.19	64 e(P)	30 08.80	0.0
	1.2s	17.00nm		4.7mb
		e	30 14.50	20km
GEC2	28.29	68 eP	30 10.00	0.2
	1.1s	7.75nm		4.4mb
		e	30 16.10	21km
		e	30 19.50	
PRU	28.66	65 eP	30 18.10	5.0X
Z	17s	1.00um		4.5MsZ
N	11s	0.20um		
E	19s	1.10um		
CEY	29.41	74 eP	30 21.00	1.1
KSP	29.67	63 eP	30 22.00	-0.1
VBY	30.04	74 eP	30 26.50	1.0
UZH	33.90	66 eP	30 58.50	-0.7

02d 07h

	1.0s	31.00nm	5.2mb
Z	17s	1.00um	4.6MsZx
E	17s	1.50um	
KAF	34.90	42 iP	31 08.20 0.5
	0.9s	24.50nm	5.1mb
MLR	37.20	70 eP	31 26.50 -0.9
VRI	37.59	69 eP	31 30.00 -0.5
OBN	40.98	52 eP	31 58.00 -0.5
Z	16s	0.40um	4.4MsZx
E	17s	0.20um	
	e	33 34.00	529kmX
	(S)	38 08.00	
MOS	41.39	51 eP	32 04.00 2.1
	e	32 08.00	13km
ANN	44.85	66 eP	32 31.00 0.8
PYA	48.92	65 eP	33 09.00 6.7X
MIAR	50.14	282 eP	33 11.50 -0.2
	1.3s	28.23nm	5.1mb
ERE	51.76	68 eP	33 24.40 0.3
RSSD	52.06	298 eP	33 26.33 -0.2
	1.4s	11.41nm	4.6mb
GLD	55.11	294 ePc	33 49.36 0.4
	1.3s	19.74nm	5.0mb
BW06	56.19	299 ePc	33 55.76 -1.1
	1.2s	12.87nm	4.8mb
	eP	34 01.00	17km
HHAI	57.63	301 (P)	34 07.83 0.9
NEW	57.63	308 (P)	34 04.54 -2.2
	1.4s	30.67nm	5.1mb
PV08	57.97	294 eP	34 09.46 -0.1
PV09	58.32	294 ePc	34 12.26 0.2
PV10	58.33	294 ePc	34 12.26 0.2
	eP	34 18.13	19km
DAU	58.57	297 ePc	34 13.89 0.1
	eP	34 19.36	18km
ALQ	58.65	289 ePc	34 14.79 0.6
	1.1s	7.34nm	4.7mb
DUG	59.67	298 ePc	34 21.16 0.0
	1.0s	22.95nm	5.3mb
	eP	34 27.03	19km
LTX	60.13	283 eP	34 23.37 -1.0
MSU	60.25	296 iPc	34 25.77 0.5
	iP	34 30.92	17km
TIK	62.07	8 eP	34 36.00 -0.8
	1.4s	11.00nm	4.8mb
TUC	63.11	290 eP	34 44.09 -0.2
	1.1s	7.92nm	4.8mb
MAIO	63.65	64 eP	34 46.00 -1.9
CMB	65.65	300 eP	35 01.20 0.4
	1.2s	9.94nm	4.8mb
ISA	65.97	297 eP	35 03.66 0.8
	1.1s	10.79nm	4.9mb
	eP	35 09.30	18km
FRU	68.39	51 eP	35 24.00 6.0X
	2.0s	40.00nm	5.2mb
LPZ	71.42	221 ePd	35 36.90 -0.5
	LR	58 06.00	
KSH	71.45	52 P	35 38.50 1.7
	1.0s	30.00nm	5.3mb
	sP	35 44.50	
CCH	71.48	218 eP	35 38.00 0.6
LPB	71.62	221 P	35 40.20 1.9
CNCB	71.81	220 eP	35 39.00 -0.7
WMQ	74.37	43 P	35 51.20 -2.7
LSZ	78.90	125 iPd	36 20.00 0.4
	i	36 25.10	16km
BUL	83.04	128 eP	36 41.00 -0.3
	i	36 47.10	19km
GTA	83.40	38 eP	36 44.00 1.0
	1.5s	13.00nm	4.9mb
	pP	36 49.00	16km
BTO	86.44	31 eP	36 58.00 -0.2
LZH	87.92	37 eP	37 12.00 6.5X
	1.5s	32.00nm	5.4mb
GBA	90.90	70 P	37 15.00 -4.6X
WRA	150.66	36 PKP	44 08.20 5.8X
	0.9s	1.10nm	
WB2	150.67	36 ePKP	44 14.50 12.1X
	0.5s	1.40nm	
ASPA	153.75	40 PKP	44 15.60 8.8X
	S.D. = 1.0	on 83 of 101 obs.	
% SEP 02, 1993 08h 02m 38.10± 0.88s			
39.126 N ± 7.3km 27.589 E ± 8.9km			
DEPTH = 10.0km (geophysicist)			
TURKEY (366)			

ML 2.8 (ISK).			
IZM	0.77 199 ePg	02 53.00	-0.2
	eSg	03 05.50	
DST	0.94 59 iPn	02 56.30	0.3
EZN	1.20 306 iPn	03 01.20	0.7
EDC	1.24 10 ePn	03 01.00	-0.1
KCT	1.27 28 ePn	03 02.00	0.3
MFT	1.68 352 ePn	03 06.50	-1.2
	S.D. = 0.8	on 6 of 6 obs.	
SEP 02, 1993 08h 09m 46.15± 0.50s			
6.908 N ± 6.9km 73.123 W ± 6.5km			
DEPTH = 173.6 ± 7.5 km			
4.5mb (4 obs.)			
NORTHERN COLOMBIA (99)			
BOG	2.46 202 iP	10 29.00	0.3
	eS	11 00.00	
SDV	3.15 51 iPnd	10 38.20	1.1
	iSn	11 15.50	
TOV	4.36 49 iPnd	10 53.20	0.7
	iSn	11 43.40	
CEOS	5.19 66 iPc	11 02.30	-1.0
	eS	11 59.10	
CANV	5.90 46 eP	11 13.30	0.6
	eS	12 29.10	
MORO	6.17 50 eP	11 15.70	-0.6
GUAC	6.64 60 eP	11 21.80	-0.8
	eS	12 34.40	
UPA	6.68 288 iP	11 21.83	-1.0
	eS	12 30.58	
ECO	6.95 291 iP	11 25.69	-0.8
	eS	12 36.96	
PSO	7.06 217 eP	11 29.50	1.2
LPZ	23.57 168 iP	14 43.80	0.8
	LR	47 11.00	
LPB	23.81 168 eP	14 45.00	-0.1
	i	15 19.00	
	e	18 52.00	
CNCB	24.11 168 Pd	14 48.00	0.0
	i	15 23.00	
	e	18 52.00	
SIV	25.69 152 P	15 00.30	-1.7
YKA	63.18 340 eP	19 58.50	1.0
	0.6s	3.20nm	4.4mb
LIC	67.60 86 P	20 26.01	-0.6
	0.6s	8.00nm	4.7mb
KIC	67.87 86 Pd	20 27.90	-0.4
	0.6s	7.00nm	4.6mb
GEC2	82.76 42 eP	21 53.40	1.4
	0.7s	0.77nm	3.6mb
	e	22 06.90	
ASPA	149.16 234 iPKPc	29 16.80	5.1X
WB2	150.36 241 iPKPc	29 20.00	6.4X
	0.4s	4.60nm	
WRA	150.37 241 PKP	29 16.00	2.4X
	0.8s	3.00nm	
	S.D. = 1.0	on 18 of 21 obs.	
% SEP 02, 1993 08h 21m 02.84± 0.86s			
39.613 N ± 8.0km 29.438 E ± 7.6km			
DEPTH = 10.0km (geophysicist)			
TURKEY (366)			
ML 2.6 (ISK).			
DST	0.63 270 ePg	21 15.00	-0.5
ALT	0.76 137 ePg	21 18.00	0.2
	eSg	21 30.00	
YLV	0.95 357 ePn	21 21.50	0.5
EYL	1.10 30 ePn	21 23.00	-0.6
EDC	1.41 302 ePn	21 29.00	0.4
	S.D. = 0.7	on 5 of 5 obs.	
SEP 02, 1993 08h 27m 32.39± 0.55s			
31.754 S ± 7.1km 67.727 W ± 5.3km			
DEPTH = 10.0km (geophysicist)			
SAN JUAN PROVINCE, ARGENTINA (137)			
RTCZ	0.70 261 iPd	27 44.90	-1.3
ZON	0.84 284 iPd	27 47.40	-1.2
	eS	27 58.40	
RTCB	0.95 286 iPd	27 49.50	-1.1
RTPR	1.78 36 iP	28 04.00	0.6
MRA	1.83 111 ePc	28 04.20	0.0
RTRS	2.17 316 iPd	28 11.00	2.0
JACH	2.60 248 iP+	28 17.05	1.8

TCA	2.71 82 iPc	28 51.61	
PEL	2.86 240 iP	28 16.00	-0.9
	iS	28 19.87	0.9
	iS	28 58.66	
PCH	3.00 231 eP	28 23.17	2.3X
	iS	29 03.58	
SAN	3.00 235 eP	28 21.53	0.6
	iS	29 03.38	
ROCH	3.03 246 iP	28 21.94	0.4
	iS	29 01.24	
TACH	3.30 234 iP+	28 25.52	0.3
	iS	29 09.75	
CACH	3.37 225 iP	28 28.83	2.5X
	iS	29 13.85	
IHA	3.55 248 eP	28 33.50	4.9X
	e(S)	29 20.00	
LCCH	3.67 241 iP+	28 29.40	-1.0
CYA	3.70 27 ePd	28 30.30	-0.6
	S	29 27.50	
LNV	3.80 234 iP+	28 31.42	-0.8
	iS	29 19.78	
SLA	7.27 16 eP	29 21.50	0.1
	(S)	31 33.00	
CCH	14.38 6 P	31 04.50	6.1X
CNCB	14.88 359 eP	31 08.00	2.9X
LPZ	15.40 359 iPc	31 15.40	3.4X
WRA	124.41 205 PKP	46 29.60	-4.2X
	0.4s	0.80nm	
	S.D. = 1.1	on 16 of 23 obs.	
% SEP 02, 1993 08h 43m 32.49± 0.71s			
37.838 N ± 6.3km 14.497 E ± 5.5km			
DEPTH = 10.0km (geophysicist)			
SICILY (398)			
ML 2.8 (ROM).			
MNO	0.18 59 P	43 37.08	0.4
GIB	0.40 292 P	43 40.72	0.0
MEU	0.81 155 P	43 48.04	-0.3
ATN	0.83 67 P	43 48.29	-0.2
PZI	0.87 157 P	43 49.59	0.3
GMB	1.13 73 P	43 53.34	-0.4
SOI	1.25 79 P	43 55.97	0.2
	S.D. = 0.4	on 7 of 7 obs.	
% SEP 02, 1993 10h 10m 02.61± 0.86s			
44.269 N ± 7.8km 8.216 E ± 7.8km			
DEPTH = 10.0km (geophysicist)			
NORTHERN ITALY (545)			
ML 1.6 (GEN).			
FIN	0.06 186 P	10 05.27	0.4
	S	10 06.46	
ROB	0.25 276 P	10 08.06	0.1
	S	10 12.54	
PCP	0.36 41 P	10 09.98	-0.1
	S	10 15.27	
IMI	0.43 213 P	10 11.03	-0.4
ENR	0.57 266 P	10 14.25	-0.1
	S	10 22.38	
	S.D. = 0.4	on 5 of 5 obs.	
% SEP 02, 1993 10h 11m 34.96± 0.94s			
44.235 N ± 6.9km 8.233 E ± 7.8km			
DEPTH = 10.0km (geophysicist)			
NORTHERN ITALY (545)			
ML 1.7 (GEN).			
FIN	0.03 215 P	11 37.27	0.3
	S	11 38.51	
ROB	0.27 283 P	11 40.92	0.3
	S	11 44.51	
PCP	0.38 36 P	11 42.72	-0.1
	S	11 47.26	
IMI	0.41 218 P	11 43.23	-0.1
	S	11 49.00	
ENR	0.58 269 P	11 46.39	-0.5
	S	11 54.53	
BHB	0.92 312 P	11 52.66	0.1
	S.D. = 0.4	on 6 of 6 obs.	
% SEP 02, 1993 10h 12m 18.79± 0.99s			
44.230 N ± 7.2km 8.250 E ± 7.6km			
DEPTH = 10.0km (geophysicist)			
NORTHERN ITALY (545)			
ML 1.9 (GEN).			

02d 10h

FIN 0.04 235 P 12 20.78 -0.1
S 12 22.05
ROB 0.28 283 P 12 24.38 -0.3
S 12 27.98
PCP 0.38 34 P 12 26.08 -0.5
S 12 31.03
IMI 0.41 219 P 12 26.71 -0.5
S 12 32.64
ENR 0.60 270 P 12 30.35 -0.6
S 12 38.10
STV 0.67 272 P 12 31.54 -0.6
S 12 39.54
BHB 0.93 311 P 12 36.24 -0.4
S.D. = 0.2 on 7 of 7 obs.

% SEP 02, 1993 10h 14m 19.58± 0.87s
44.239 N ± 6.1km 8.233 E ± 6.9km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.5 (GEN).

FIN 0.03 211 P 14 21.87 0.2
S 14 23.11
ROB 0.27 282 P 14 24.89 -0.3
S 14 29.19
PCP 0.38 36 P 14 27.22 -0.1
S 14 32.21
IMI 0.41 217 P 14 27.87 -0.1
ENR 0.58 269 P 14 31.57 0.1
S 14 39.12
PZZ 0.85 289 P 14 36.06 -0.1
BHB 0.92 311 P 14 37.52 0.4
S.D. = 0.3 on 7 of 7 obs.

% SEP 02, 1993 10h 18m 42.49± 1.04s
44.225 N ± 7.3km 8.253 E ± 7.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

FIN 0.04 244 P 18 44.96 0.4
S 18 46.07
ROB 0.28 284 P 18 48.61 0.2
S 18 52.16
PCP 0.38 33 P 18 50.29 0.0
S 18 55.27
IMI 0.41 220 P 18 50.74 -0.1
S 18 56.10
ENR 0.60 270 P 18 54.31 -0.3
S 19 02.18
PZZ 0.87 289 P 18 59.32 0.0
S 19 10.88
BHB 0.94 311 P 19 00.40 0.0
S.D. = 0.3 on 7 of 7 obs.

& SEP 02, 1993 10h 19m 42.77s
63.246 N 151.331 W
DEPTH = 11.2km
CENTRAL ALASKA (1)
<AEIC>. ML 2.7 (AEIC), 3.3 (PMR).

KTH 0.36 31 iP 19 49.78 -0.5
eS 19 55.38
TRF 0.51 66 iP 19 52.72 -0.5
eS 20 00.35
HUR 0.82 109 eP 19 58.07 -0.4
eS 20 09.67
CUT 0.98 150 iP 20 01.30 0.1
RND 1.13 81 eP 20 03.82 -0.1
MCK 1.18 65 eP 20 04.73 0.0
BWN 1.25 41 eP 20 05.51 -0.3
SKT 1.27 184 iP 20 05.82 -0.5
eS 20 22.29
NEA 1.67 36 eP 20 12.72 0.7
eS 20 36.11
PWA 1.74 156 P 20 12.60 -0.4
DHY 1.80 94 eP 20 14.09 0.0
SUA 1.81 171 eP 20 14.69 0.5
MLY 1.81 8 eP 20 14.94 0.8
eS 20 39.11
GHO 1.85 142 eP 20 14.80 0.0
NCG 1.89 192 iP 20 14.81 -0.5
PLRM 1.95 147 eP 20 15.88 -0.2
PMR 1.95 147 eP 20 15.86 -0.2
CGLM 1.97 190 eP 20 17.76 1.3
SML 2.00 135 iP 20 16.20 -0.7

CRP 2.02 191 eP 20 18.22 0.9
CP2 2.03 192 eP 20 17.78 0.3
BGL 2.05 194 eP 20 18.15 0.5
CKN 2.07 191 eP 20 20.34 2.5
CKT 2.09 192 eP 20 18.11 -0.1
CCB 2.10 46 eP 20 16.08 -2.1
SPU 2.10 190 eP 20 20.03 1.7
CKL 2.11 193 eP 20 17.75 -0.8
TTA 2.15 264 eP 20 19.36 0.2
PMS 2.17 157 P 20 19.70 0.3
BKG 2.23 192 eP 20 20.10 -0.1
HDA 2.26 57 eP 20 18.58 -2.1
FBA 2.27 42 ePc 20 18.34 -2.4
eS 20 51.69

SCM 2.33 126 eP 20 20.66 -1.1
GLM 2.46 43 eP 20 21.33 -2.1
PTE 2.63 155 eP 20 26.56 0.8
TOA 2.64 113 P 20 26.10 0.0
CFI 2.66 140 eP 20 27.06 0.8
PAX 2.68 93 eP 20 27.04 0.4
RDT 2.73 191 eP 20 28.30 0.9
DFR 2.74 194 eP 20 29.39 1.9
SDG 2.75 103 eP 20 27.68 0.1
PWL 2.78 148 eP 20 28.44 0.4
NCT 2.80 196 eP 20 29.37 1.0
SLKM 2.80 169 eP 20 29.15 0.9
REF 2.84 194 eP 20 30.98 2.0
RSO 2.87 194 eP 20 31.54 2.0
SVW 2.94 225 (P) 20 31.92 1.6
IMA 3.01 341 eP 20 32.71 1.4
KLU 3.07 122 eP 20 32.97 0.8
VZW 3.14 132 eP 20 33.82 0.8
VLZ 3.16 130 eP 20 33.24 -0.1
51 obs. associated

SEP 02, 1993 10h 26m 12.44± 0.36s
11.129 N ± 6.1km 139.549 E ± 6.2km
DEPTH = 33.0km (normal)
5.1mb (8 obs.)

WESTERN CAROLINE ISLANDS (209)

GUMO 5.74 64 eP 27 37.10 -0.5
1.0s 205.20nm 5.7mb X
PJG 5.74 64 eP 27 38.10 0.5
GUA 5.76 65 eP 27 38.10 0.2
0.8s 328.36nm 6.0mb X
e 28 42.30
BAG 19.15 288 ePc 30 36.00 -0.2
MAT 25.33 357 (P) 31 38.00 0.1
(S) 36 06.00
WB2 31.30 189 iPd 32 31.70 -0.2
0.4s 13.10nm 5.1mb
TIA 32.17 325 eP 32 47.50 8.1X
ASPA 35.02 189 iPd 33 04.60 0.4
0.4s 27.10nm 5.5mb
Z 23s 0.40um 4.1MsZ X
BJI 35.46 328 eP 33 12.00 4.2X
1.8s 96.00nm 5.4mb
Z 16s 0.29um 4.1MsZ X
TIY 35.94 322 eP 33 16.00 4.0X
Z 18s 0.61um 4.4MsZ

XAN 36.09 314 P 33 15.50 2.3
CD2 38.53 306 eP 33 35.10 1.3
BTO 39.24 324 eP 33 44.00 4.3X
NANU 40.93 215 eP 33 53.30 -0.3
STK 42.81 177 iPd 34 09.70 0.8
2.4s 7.70nm 4.0mb X
FORT 43.10 195 eP 34 12.50 1.2
GTA 45.09 316 eP 34 22.00 -5.6X
1.0s 6.00nm 4.4mb
sP 34 38.00
COOL 45.36 202 eP 34 29.00 -0.6
MRWA 46.11 209 eP 34 35.00 -0.4
0.5s 7.00nm 4.9mb
MUN 48.34 207 eP 34 53.00 0.0
NWA0 48.71 205 eP 34 55.00 -0.8
YAK 51.30 354 eP 35 13.60 -1.6
0.8s 30.00nm 5.3mb
GUN 52.85 297 P 35 27.00 -0.9
KKN 53.37 296 P 35 31.00 -0.5
0.8s 24.00nm 5.2mb
DMN 53.50 296 P 35 32.00 -0.5
YKA 87.40 27 eP 38 57.30 -0.1
0.7s 2.60nm 4.6mb
LPB 152.64 104 (PKP) 46 11.00 9.7X
LPAZ 152.64 104 iPKPc 46 09.70 8.1X
i 46 41.50

LR 59 42.00
CNCB 152.71 105 PKP 46 10.00 8.4X
S.D. = 0.9 on 21 of 29 obs.

& SEP 02, 1993 10h 27m 27.34s
40.239 N 124.161 W
DEPTH = 12.6km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.5 (GM). ML 3.3
(BRK). Some items knocked from
shelves at Honeydew. Also felt
at Miranda and Petrolia.

KJUM 0.11 274 P 27 30.81 0.2
KMPM 0.18 10 iPc 27 31.57 -0.1
FOX 0.31 25 iPd 27 34.35 0.4
KCRM 0.32 54 P 27 34.45 0.2
EKR 0.46 2 iPd 27 37.12 0.4
iS 27 44.45
FHC 0.58 13 iP 27 39.11 0.2
KPPM 0.62 80 P 27 40.62 0.9
ARC 0.64 6 ePc 27 39.45 -0.4
iS 27 49.21
KKPM 0.64 98 P 27 39.18 -0.8
KHMM 0.71 27 P 27 41.38 0.1
KRFM 0.92 6 P 27 43.90 -0.9
GBDM 1.03 140 P 27 45.04 -1.6
GNAM 1.12 158 P 27 46.00 -2.1
LGPM 1.22 56 ePc 27 48.43 -1.4
GWRM 1.23 147 P 27 47.75 -2.2
GAS 1.26 117 P 27 48.88 -1.7
WDC 1.28 74 eP 27 48.65 -2.3
GSNM 1.50 150 P 27 57.43 3.4
GTSM 1.52 127 P 27 52.61 -1.7
GACM 1.69 143 P 28 03.02 6.1
GRTM 1.74 138 P 28 01.93 4.5
GAXM 1.87 144 P 28 06.32 6.9
LMPM 1.96 50 P 28 00.73 -0.2
MGL 2.04 101 P 28 00.19 -1.8
LBFM 2.05 57 eP 28 01.21 -0.9
ORV 2.16 108 eP 28 01.61 -1.9
NTYM 2.18 147 ePn 28 02.71 -1.1
LGMM 2.23 52 P 28 05.03 0.4
BKS 2.80 147 eP 28 10.18 -2.4
SAC 2.98 152 P 28 14.14 -1.0
JJRM 3.27 151 P 28 18.52 -0.8
MHC 3.50 145 eP 28 20.14 -2.5
ARN 3.54 144 eP 28 20.68 -2.5
COE 3.56 146 ePn 28 20.67 -2.7
CMB 3.67 126 eP 28 24.00 -1.1
BONR 5.10 115 ePn 28 44.58 -0.9
DUG 8.68 87 eP 29 34.54 -1.2
SRU 10.57 92 eP 30 02.82 1.0
38 obs. associated

& SEP 02, 1993 10h 28m 23.33s
40.251 N 124.159 W
DEPTH = 12.0km
NEAR COAST OF NORTHERN CALIF. (35)
<GM-P>. MD 3.0 (GM).

KMPM 0.17 10 eP 28 27.39 0.0
FHC 0.57 14 eP 28 35.04 0.3
eS 28 45.02
LGPM 1.21 56 eP 28 45.50 -0.3
WDC 1.28 75 (P) 28 46.96 0.1
4 obs. associated

% SEP 02, 1993 10h 31m 55.42± 0.88s
39.218 N ± 7.7km 27.729 E ± 8.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

DST 0.80 61 iPg 32 11.10 0.2
eSg 32 23.00
IZM 0.90 204 ePn 32 12.50 -0.1
EDC 1.13 5 ePn 32 16.00 -0.6
KCT 1.14 25 ePn 32 17.00 0.3
EZN 1.24 300 ePn 32 18.80 0.3
S.D. = 0.5 on 5 of 5 obs.

% SEP 02, 1993 10h 42m 59.90± 0.88s
44.249 N ± 6.6km 8.234 E ± 7.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.7 (GEN).

02d 10h

FIN 0.04 205 P 43 02.27 0.2
S 43 03.46
ROB 0.26 280 P 43 05.90 0.4
S 43 09.46
PCP 0.37 37 P 43 07.50 0.0
S 43 12.57
IMI 0.42 216 P 43 08.27 -0.2
ENR 0.59 268 P 43 11.61 -0.2
S 43 19.30
BHB 0.91 311 P 43 17.19 -0.2
S.D. = 0.3 on 6 of 6 obs.

% SEP 02, 1993 10h 43m 12.95± 0.97s
44.241 N ± 8.1km 8.220 E ± 7.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.3 (GEN).

FIN 0.03 194 P 43 15.09 0.1
S 43 16.42
ROB 0.26 282 P 43 18.38 0.0
S 43 22.27
PCP 0.38 38 P 43 20.72 -0.1
ENR 0.57 269 P 43 24.52 -0.1
BHB 0.91 312 P 43 30.56 0.2
S.D. = 0.2 on 5 of 5 obs.

% SEP 02, 1993 10h 44m 37.93± 1.93s
44.172 N ± 11.9km 8.347 E ± 12.8km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.4 (GEN).

FIN 0.11 290 P 44 40.38 -0.4
S 44 41.59
ROB 0.36 290 P 44 44.35 -1.1
PCP 0.40 21 P 44 45.88 -0.2
IMI 0.42 232 P 44 46.54 0.0
ENR 0.67 275 P 44 50.46 -0.8
STV 0.74 276 P 44 53.96 1.5
BHB 1.02 311 P 44 58.31 1.0
S.D. = 1.1 on 7 of 7 obs.

SEP 02, 1993 10h 52m 39.92± 0.98s
59.319 N ± 9.1km 145.051 W ± 3.5km
DEPTH = 33.0km (normal)
GULF OF ALASKA (15)
ML 2.8 (AEIC).

MID 0.67 280 P 52 53.50 0.6
S 53 02.00
KAIM 0.69 28 eP 52 52.35 -0.9
RAGM 1.09 10 eP 52 58.56 -0.4
eS 53 14.73
HMT 1.10 21 iP 52 58.99 0.0
eS 53 14.88
SGAM 1.19 356 iP 53 00.52 0.2
eS 53 17.72
CVA 1.28 344 iP 53 01.45 -0.1
eS 53 19.37
HIN 1.31 327 eP 53 02.00 0.0
eS 53 21.07
SNH 1.41 51 eP 53 03.96 0.4
MTU 1.48 298 eP 53 04.99 0.5
WAX 1.59 43 eP 53 05.92 -0.2
LTI 1.60 298 eP 53 06.10 -0.1
FID 1.60 334 eP 53 06.93 0.6
eS 53 28.44
CRQM 1.73 33 eP 53 08.55 0.2
eS 53 31.67
TGL 1.82 37 iP 53 09.64 0.1
VZW 1.90 337 iP 53 10.49 -0.2
VLZ 1.93 341 iP 53 10.72 -0.2
eS 53 35.19
BALM 2.19 37 eP 53 14.99 0.2
GLB 2.22 16 iP 53 15.08 -0.1
KLU 2.22 349 iP 53 15.13 -0.1
PWL 2.26 315 eP 53 15.25 -0.4
CFI 2.31 325 eP 53 16.83 0.5
MPA 2.47 300 eP 53 17.72 -1.0
SCM 2.76 337 eP 53 23.23 0.4
TOA 2.85 349 P 53 24.80 0.7
SLKM 2.86 297 eP 53 23.68 -0.6
S.D. = 0.5 on 25 of 25 obs.

% SEP 02, 1993 10h 53m 37.72± 0.88s
44.239 N ± 6.4km 8.230 E ± 7.0km

DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.7 (GEN).

FIN 0.03 208 P 53 39.97 0.2
S 53 41.16
ROB 0.26 282 P 53 43.54 0.2
S 53 47.20
PCP 0.38 37 P 53 45.51 0.0
S 53 50.45
IMI 0.41 217 P 53 45.94 -0.2
ENR 0.58 269 P 53 49.04 -0.5
S 53 57.55
STV 0.65 271 P 53 51.34 0.6
BHB 0.92 311 P 53 55.07 -0.2
S.D. = 0.4 on 7 of 7 obs.

? SEP 02, 1993 10h 57m 02.40± 1.76s
6.797 N ± 32.2km 73.456 W ± 25.0km
DEPTH = 189.3 ± 34.5 km
4.2mb (1 obs.)
NORTHERN COLOMBIA (99)

BOG 2.24 196 iP 57 43.50 0.0
eS 58 14.00
UPA 6.40 290 eP 58 35.50 0.0
eS 59 52.94
ECO 6.68 293 iPd 58 39.23 0.0
eS 59 59.56
DVD 9.06 281 eP 59 10.57 0.1
LMN 39.62 9 eP 04 17.00 0.0
YKA 63.17 340 eP 07 12.00 0.0
0.7s 2.90nm 4.2mb
WRA 150.03 241 PKP 16 33.80 6.4X
0.6s 1.10nm
S.D. = 0.1 on 6 of 7 obs.

* SEP 02, 1993 10h 57m 02.86± 0.64s
5.508 S ± 9.4km 147.053 E ± 8.5km
DEPTH = 203.8 ± 6.1 km
4.9mb (6 obs.)
EASTERN NEW GUINEA REG., P.N.G. (207)

MDG 1.29 281 iPc 57 34.40 -1.0
YYYY 1.30 236 iPc 57 35.20 -0.5
MNDI 3.44 259 eP 58 01.00 2.4
eS 59 43.00
PMG 3.87 178 iP 58 03.00 -0.7
eS 58 48.00
WWKK 3.90 299 eP 58 04.10 0.0
KVG 4.74 52 eP 58 15.00 0.3
QIS 16.62 205 iPc 00 46.30 0.4
MTN 17.32 244 eP 00 52.50 -1.3
WB2 18.93 220 iPd 01 10.70 -0.1
0.3s 246.30nm 6.2mb X
KNA 20.63 239 eP 01 28.00 0.1
ASPA 22.05 214 eP 01 43.60 1.8
0.3s 96.30nm 5.8mb
ARMA 25.15 171 eP 02 11.80 0.6
0.6s 5.00nm 4.3mb
STK 26.73 190 eP 02 36.10 10.7X
0.4s 6.80nm
MBL 30.63 237 iPc 02 59.70 -0.5
0.4s 12.00nm 5.0mb
FORT 30.84 213 eP 03 01.70 -0.2
MEEK 34.31 229 iPd 03 32.00 0.0
0.5s 28.00nm 5.1mb
NANU 34.84 238 eP 03 36.00 -0.4
0.3s 5.00nm 4.6mb
COOL 35.06 221 eP 03 38.00 -0.3
MRWA 37.65 228 eP 04 00.00 0.0
0.5s 14.00nm 4.8mb
KLB 37.76 223 iPd 04 00.40 -0.5
BAL 37.91 225 eP 04 02.00 -0.1
MUN 39.05 224 eP 04 11.50 -0.1
S.D. = 0.9 on 21 of 22 obs.

% SEP 02, 1993 10h 57m 11.96± 0.83s
44.247 N ± 6.1km 8.231 E ± 6.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.7 (GEN).

FIN 0.04 203 P 57 14.10 0.0
S 57 15.43
ROB 0.26 281 P 57 17.76 0.2

PCP 0.37 37 P 57 21.52
S 57 19.55 -0.1
S 57 24.49
IMI 0.42 216 P 57 20.65 0.1
ENR 0.58 268 P 57 23.53 -0.3
STV 0.65 270 P 57 24.81 -0.2
BHB 0.91 311 P 57 29.62 0.2
S.D. = 0.2 on 7 of 7 obs.

% SEP 02, 1993 10h 57m 55.24± 0.74s
44.249 N ± 5.7km 8.207 E ± 6.0km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.6 (GEN).

FIN 0.04 179 P 57 57.52 0.2
S 57 58.80
ROB 0.25 281 P 58 00.27 -0.2
S 58 04.84
PCP 0.38 40 P 58 02.92 -0.1
S 58 08.55
IMI 0.41 214 P 58 03.56 -0.1
ENR 0.57 268 P 58 06.86 0.1
STV 0.63 270 P 58 07.91 -0.1
BHB 0.90 312 P 58 12.81 0.3
S.D. = 0.2 on 7 of 7 obs.

% SEP 02, 1993 10h 59m 06.97± 1.10s
44.222 N ± 7.9km 8.267 E ± 8.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.6 (GEN).

FIN 0.04 254 P 59 09.29 0.2
S 59 10.57
ROB 0.29 285 P 59 13.04 -0.1
S 59 16.71
PCP 0.38 32 P 59 14.74 0.0
S 59 19.68
IMI 0.41 221 P 59 15.29 -0.2
ENR 0.61 271 P 59 19.59 0.3
S 59 26.91
STV 0.68 272 P 59 20.46 0.0
BHB 0.95 311 P 59 24.94 -0.1
S.D. = 0.2 on 7 of 7 obs.

% SEP 02, 1993 11h 00m 10.75± 1.20s
44.239 N ± 10.0km 8.242 E ± 8.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.5 (GEN).

FIN 0.04 219 P 00 13.01 0.1
S 00 14.25
ROB 0.27 282 P 00 16.72 0.2
S 00 20.43
PCP 0.37 36 P 00 18.37 -0.1
S 00 23.26
ENR 0.59 269 P 00 22.32 -0.5
BHB 0.92 311 P 00 28.57 0.2
S.D. = 0.4 on 5 of 5 obs.

SEP 02, 1993 11h 14m 04.94± 0.76s
44.256 N ± 5.3km 8.243 E ± 6.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.3 (LDG), 2.1 (GEN).

FIN 0.05 208 P 14 06.98 -0.2
S 14 08.17
ROB 0.27 278 P 14 10.59 -0.1
S 14 14.30
PCP 0.36 37 P 14 12.24 -0.1
S 14 17.37
IMI 0.43 217 P 14 12.83 -0.9
S 14 18.97
ENR 0.59 267 P 14 16.92 -0.1
S 14 24.32
STV 0.66 269 P 14 18.05 -0.1
S 14 26.20
SBF 0.70 236 Pg 14 18.40 -0.5
Sg 14 27.80
PZZ 0.86 287 P 14 21.13 -0.4
BHB 0.91 310 P 14 22.45 0.0
FRF 1.35 239 Pg 14 29.90 0.2
Sg 14 46.80
LMR 1.56 234 Pg 14 33.60 0.9

02d 11h

Sg 14 53.50
LRG 1.58 240 Pg 14 34.20 1.2
Sg 14 54.80
S.D. = 0.6 on 12 of 12 obs.

% SEP 02, 1993 11h 21m 03.27± 2.62s
43.916 N ±10.6km 7.136 E ±21.2km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)
ML 1.0 (STR).

MVIF 0.02 148 Pg 21 05.44 0.1
Sg 21 06.70
TOUF 0.13 40 Pg 21 06.54 0.0
Sg 21 08.60
AURF 0.14 101 Pg 21 06.40 -0.3
Sg 21 09.09
AUTN 0.23 69 Pg 21 08.09 -0.2
Sg 21 12.03
SAOF 0.31 77 Pg 21 10.10 0.3
S.D. = 0.3 on 5 of 5 obs.

SEP 02, 1993 11h 21m 25.30± 0.79s
44.239 N ± 5.3km 8.249 E ± 6.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.6 (LDG), 2.0 (GEN).

FIN 0.04 225 P 21 27.47 0.0
S 21 28.66
ROB 0.28 282 P 21 31.14 0.0
S 21 34.75
PCP 0.37 35 P 21 32.93 0.0
S 21 38.05
IMI 0.42 218 P 21 33.47 -0.4
S 21 39.74
ENR 0.60 269 P 21 37.41 0.0
S 21 44.82
STV 0.66 271 P 21 38.92 0.3
S 21 46.79
SBF 0.70 238 Pg 21 39.10 0.0
Sg 21 48.80
PZZ 0.87 288 P 21 41.62 -0.4
S 21 52.88
BHB 0.93 311 P 21 42.97 -0.1
FRF 1.34 240 Pg 21 50.00 0.0
Sg 22 07.00
LMR 1.55 235 Pg 21 52.30 -0.7
Sg 22 13.00
LRG 1.58 241 Pg 21 54.60 1.3
Sg 22 15.00
S.D. = 0.5 on 12 of 12 obs.

% SEP 02, 1993 11h 33m 19.10± 1.11s
44.220 N ± 8.0km 8.264 E ± 8.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.9 (GEN).

FIN 0.04 255 P 33 21.49 0.3
S 33 22.72
ROB 0.29 285 P 33 25.33 0.1
S 33 28.76
PCP 0.38 32 P 33 26.93 0.0
S 33 32.01
IMI 0.41 221 P 33 27.39 -0.1
S 33 33.16
ENR 0.61 271 P 33 31.10 -0.3
STV 0.68 272 P 33 32.84 0.3
BHB 0.95 311 P 33 37.05 -0.1
S.D. = 0.3 on 7 of 7 obs.

% SEP 02, 1993 11h 34m 11.94± 0.89s
44.248 N ± 6.6km 8.225 E ± 7.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

FIN 0.04 197 P 34 14.65 0.6
S 34 15.38
ROB 0.26 281 P 34 17.62 0.2
S 34 21.28
PCP 0.37 38 P 34 19.41 -0.2
S 34 24.44
IMI 0.41 216 P 34 20.05 -0.4
ENR 0.58 268 P 34 23.21 -0.5
BHB 0.91 311 P 34 29.75 0.4

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

% SEP 02, 1993 11h 35m 02.73± 0.89s
44.238 N ± 6.3km 8.248 E ± 6.7km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.9 (GEN).

FIN 0.04 225 P 35 05.07 0.2
S 35 06.21
ROB 0.28 282 P 35 08.59 0.0
S 35 12.21
PCP 0.37 35 P 35 10.38 0.0
S 35 15.46
IMI 0.42 218 P 35 11.07 -0.2
S 35 17.06
ENR 0.60 269 P 35 15.00 0.2
S 35 22.00
STV 0.66 271 P 35 15.96 0.0
S 35 24.29
PZZ 0.86 288 P 35 19.44 0.0
S 35 30.79
BHB 0.93 311 P 35 20.40 -0.1
S.D. = 0.2 on 8 of 8 obs.

% SEP 02, 1993 11h 37m 07.94± 0.82s
44.257 N ± 7.4km 8.156 E ± 6.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

FIN 0.06 142 P 37 10.41 0.2
S 37 11.55
ROB 0.21 281 P 37 14.02 1.5
S 37 17.59
IMI 0.40 209 P 37 16.40 0.3
S 37 22.54
PCP 0.40 44 P 37 15.76 -0.4
S 37 20.98
ENR 0.53 267 P 37 18.12 -0.6
S 37 27.52
STV 0.60 269 P 37 19.17 -0.9
PZZ 0.80 289 P 37 22.21 -1.3
BHB 0.87 313 P 37 25.78 1.2
S.D. = 1.2 on 8 of 8 obs.

% SEP 02, 1993 11h 37m 23.79± 1.05s
44.236 N ± 8.5km 8.228 E ± 7.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.7 (GEN).

FIN 0.03 208 P 37 26.15 0.3
S 37 27.34
ROB 0.26 283 P 37 29.81 0.4
S 37 33.47
PCP 0.38 37 P 37 31.51 -0.1
S 37 36.30
ENR 0.58 269 P 37 34.65 -1.0
STV 0.65 271 P 37 36.56 -0.3
PZZ 0.85 289 P 37 40.91 0.6
BHB 0.92 312 P 37 41.43 0.1
S.D. = 0.6 on 7 of 7 obs.

? SEP 02, 1993 12h 10m 42.41± 3.20s
36.690 N ±33.9km 29.108 E ±13.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.5 (ISK).

ELL 0.65 85 iPg 10 55.00 -0.4
eSg 11 07.00
CIN 1.22 318 iPgc 11 06.00 0.9
iSg 11 22.00
BCK 1.41 57 iPn 11 09.30 1.1
KHL 1.66 11 ePn 11 11.00 -0.8
IZM 2.25 320 ePn 11 19.50 -0.8
S.D. = 1.3 on 5 of 5 obs.

? SEP 02, 1993 13h 28m 35.93± 1.32s
37.155 N ± 8.4km 2.211 W ±12.3km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 2.6 (MDD).

ENIJ 0.18 179 iP 28 40.00 0.0
eS 28 42.80

ECOG 1.09 277 eP 28 56.30 -0.2
eS 29 12.00
EGUA 1.13 254 eP 28 57.30 0.2
eS 29 14.00
EVIA 1.50 351 eP 29 03.00 0.0
eS 29 22.50
S.D. = 0.3 on 4 of 4 obs.

SEP 02, 1993 14h 07m 09.07± 0.39s
2.382 N ± 2.3km 128.562 E ± 3.6km
DEPTH = 233.4 ± 4.3 km
5.1mb (45 obs.)
HALMAHERA, INDONESIA (267)

TNE 1.99 218 iP 07 50.00 -0.4
iS 08 17.00
MNI 3.84 256 ePd 08 10.70 0.0
eS 08 50.20
DAV 5.54 328 eP 08 31.50 -0.2
1.5s 2488.89nm 6.0mb
BIP 6.24 338 ePc 08 36.00 -4.6X
eS 09 21.00
CTB 6.47 318 ePc 08 44.00 0.6
CGP 7.16 328 iPc 08 52.50 0.2
TLE 9.00 152 ePc 09 17.40 1.4
MAP 9.11 330 ePd 09 13.00 -4.4X
SLKI 10.65 165 iPd 09 37.00 -0.1
TSM 10.84 280 eP 09 40.50 1.0
MKS 11.81 230 iPd 09 55.00 3.3X
KKM 12.84 287 ePd 09 58.10 -6.6X
0.9s 97.20nm 5.1mb
GQP 12.95 332 ePd 10 06.00 0.0
eS 10 16.00
PGP 13.37 326 ePd 10 11.50 0.2
MTN 15.34 170 eP 10 34.50 -0.9
eS 13 19.00
BAG 16.00 331 eP 10 43.50 -0.1
1.0s 196.00nm 5.5mb
WWKK 16.19 112 eP 10 46.90 1.2
KNA 18.02 179 iPc 11 05.20 -0.2
0.3s 159.00nm 6.0mb
GUMO 19.59 54 e(P) 11 19.10 -2.4
0.9s 230.70nm 5.7mb
PJG 19.59 54 e(P) 11 20.40 -1.1
GUA 19.60 55 e(P) 11 20.60 -1.0
0.5s 191.55nm 5.9mb
LEM 22.82 246 ePd 11 51.00 -2.3
WB5 22.85 166 iPc 11 53.30 0.0
eS 15 42.40
iScP 18 53.00
WRA 22.90 166 P 11 54.20 0.3
0.7s 118.30nm 5.6mb
WB2 22.90 166 iPc 11 53.90 0.0
0.5s 246.20nm 6.0mb
e 18 52.40
QIZ 24.69 313 eP 12 11.20 0.6
MBL 24.91 200 iPc 12 12.00 -0.6
0.3s 5.00nm 4.6mb
QIS 25.24 155 iPc 12 15.60 0.0
ASPA 26.41 169 iPc 12 26.00 -0.3
0.6s 142.50nm 5.8mb
ePcP 15 45.50
eS 16 40.80
eScP 19 03.00
eScS 22 50.90
IPM 27.57 275 ePd 12 37.20 0.4
0.8s 46.40nm 5.2mb
NANU 27.86 206 eP 12 38.70 -0.6
CTA 28.29 143 iPc 12 43.00 -0.2
0.9s 8.40nm 4.4mb
i 12 48.00
i 13 10.00
e(P) 13 20.00
LOE 30.29 301 eP 13 01.00 0.2
MEEK 30.41 198 eP 13 00.80 -1.0
NST 30.96 297 iPd 13 07.30 0.6
TKSJ 31.85 9 eP 13 13.00 -1.3
GYA 31.86 321 P 13 15.40 0.8
1.0s 16.00nm 4.6mb
WKYJ 32.35 11 eP 13 17.80 -0.8
BDT 32.57 299 eP 13 21.00 0.3
0.8s 36.30nm 5.1mb
YONJ 32.96 7 eP 13 23.50 -0.3
FORT 32.98 181 eP 13 23.00 -1.0
CHTO 33.28 301 iPc 13 27.30 0.5
0.9s 59.89nm 5.2mb
KMI 33.62 315 Pd 13 31.00 1.1

MRWA	1.2s	90.00nm	5.3mb	SVW	0.7s	183.42nm	5.9mb	eSn	12	22.00		
BAL	33.65	200 eP	13 28.50 -1.3	KDC	81.08	28 eP	19 00.20 0.9	i	12	35.00		
CHJJ	34.70	198 eP	13 37.50 -1.2		82.09	32 eP	19 05.30 0.8	KKB	4.85	14 iPc	11 24.00 -0.2	
KLB	34.86	15 P	13 39.00 -1.0		1.1s	274.40nm	5.9mb	ATN	4.86	284 P	11 23.78 -0.6	
MUN	35.31	196 eP	13 43.00 -0.8	MAW	83.14	201 iP	19 10.60 1.0	ORI	4.87	308 P	11 25.47 0.9	
STK	36.13	198 eP	13 50.00 -0.6		0.8s	4.00nm	4.2mb	BRT	4.97	319 P	11 26.05 0.2	
	36.25	161 iPc	13 51.80 0.1			iPcP	19 14.60	RDO	5.08	37 ePn	11 27.20 -0.1	
	0.7s	68.90nm	5.3mb			i	19 25.70	ULC	5.08	341 iPnc	11 25.81 -1.6	
		e	15 17.70			ipP	20 14.80 269kmX			iSn	12 23.90	
XAN	36.45	332 P	13 53.00 -0.4	SLKM	83.61	29 eP	19 12.06 -0.1	SDA	5.10	343 iPnd	11 27.70 0.0	
	1.2s	53.00nm	5.0mb	PMR	84.25	28 eP	19 15.50 0.2			iSn	12 38.20	
NWAO	36.72	196 eP	13 55.00 -0.6		1.1s	49.34nm	5.2mb	ALN	5.15	42 ePn	11 28.16 -0.3	
CD2	36.81	323 iPd	13 56.70 0.2	TOA	85.69	28 eP	19 23.90 1.3	MEU	5.22	271 P	11 27.97 -1.5	
	1.0s	81.00nm	5.2mb	KLU	85.77	29 eP	19 23.44 0.4	CIN	5.29	83 eP	11 31.00 0.6	
YAMJ	37.14	15 P	13 59.30 0.2	OBN	89.19	325 (P)	19 38.70 -0.7	BCI	5.30	349 iPnd	11 30.70 0.2	
BRS	37.69	143 iPc	14 03.50 -0.3		0.8s	17.90nm	5.0mb			iSn	12 25.10	
	1.0s	22.50nm	4.7mb	SPA	92.36	180 iPd	19 55.00 1.0	KDZ	5.42	33 iPc	11 31.00 -1.2	
		i	15 35.00		1.0s	25.50nm	5.2mb	MNO	5.43	280 P	11 31.79 -0.7	
		i	16 12.00	SLL	100.09	333 ePdiff20	27.50 -1.5	MGR	5.49	304 P	11 33.40 0.3	
TIY	38.15	339 eP	14 07.50 -0.1		0.4s	3.60nm	5.1mb	BDV	5.49	339 iPnc	11 30.94 -2.2	
ADE	38.35	167 iPc	14 10.70 1.4	PAL	132.21	23 ePdiff22	51.86 -0.2			iSn	12 33.02	
OFUJ	38.43	16 P	14 09.90 0.1			ePP	28 20.33	TTG	5.52	343 iPnc	11 32.38 -1.1	
BJI	39.13	345 eP	14 15.50 0.0			iSKPbc28	59.75			iSn	12 35.14	
	1.2s	65.00nm	5.1mb	PEL	144.48	152 iPKP+	26 19.60 -0.1	PLD	5.52	26 iPd	11 35.00 1.4	
ARMA	39.35	148 iPc	14 18.10 0.5		0.8s	44.78nm		PVY	5.54	349 iPnc	11 34.08 0.2	
	0.8s	95.00nm	5.4mb	RTCB	146.74	152 iPKPc	26 26.50 3.0X			iSn	12 38.31	
AOMJ	39.48	14 eP	14 19.90 1.5	RTL	147.02	153 iPKPd	26 26.70 2.8X	VTS	5.58	13 iPc	11 35.00 0.5	
SNY	39.53	354 Pd	14 18.40 -0.3	CNCB	158.31	132 ePKP	26 42.00 1.1	HCY	5.74	338 iPnc	11 33.67 -3.0X	
	1.1s	220.00nm	5.6mb	LPB	158.40	132 (PKP)	26 33.00 -7.8X			iSn	12 38.14	
LZH	40.59	329 P	14 24.00 -3.8X	LPZA	158.53	131 PKP	26 41.50 0.3	DIM	5.80	32 iP	11 38.00 0.6	
	1.5s	140.00nm	5.2mb		S.D. = 0.8	on 99 of 107 obs.		IVA	5.82	349 iPnc	11 37.79 0.0	
		pP	15 14.00 239kmX							iSn	12 44.99	
BWA	41.10	155 iPc	14 33.70 1.9		SEP 02, 1993	14h 10m 12.04± 0.52s		SGO	5.87	307 P	11 39.50 1.1	
HHC	41.26	340 P	14 33.40 0.3		37.172 N ± 4.7km	21.461 E ± 2.6km		EDC	5.92	56 eP	11 38.00 -1.2	
	1.0s	43.00nm	4.9mb		DEPTH = 60.2 ± 5.3 km			NKY	5.94	342 iPnc	11 38.06 -1.5	
BTO	41.58	339 eP	14 35.00 -0.7		4.6mb (42 obs.)					iSn	12 45.15	
HOAJ	41.95	16 eP	14 39.50 0.9		SOUTHERN GREECE	(368)		GIB	5.96	280 P	11 39.18 -0.7	
MDJ	42.07	1 eP	14 39.50 0.0		MD 4.4 (ATH). Felt in the			DST	6.13	64 eP	11 34.80 -7.4X	
	1.3s	30.00nm	4.6mb		western part of Peloponnisos.			BRY	6.14	340 iPnc	11 39.84 -2.5	
CAN	42.11	155 eP	14 40.90 0.9	VLS	1.22	326 ePb	10 33.50 0.3			iSn	12 48.55	
SHL	42.14	306 iPc	14 40.80 0.2	VLI	1.27	111 ePb	10 31.00 -2.8	PLE	6.35	346 iPnc	11 44.49 -0.7	
	0.7s	51.37nm	5.1mb	ATH	1.96	65 ePn	10 43.40 -0.1			iSn	12 56.53	
		eS	20 13.50	AGG	1.97	20 iPn	10 46.72 3.1X	KHL	6.49	77 eP	11 49.00 1.8	
TOO	42.74	160 iPc	14 46.30 1.2			eSn	11 14.00	CTT	6.71	52 eP	11 48.50 -1.7	
	0.8s	56.00nm	5.0mb	IGT	2.52	340 ePn	10 53.33 2.1	USI	6.72	286 P	11 48.65 -1.7	
KUSJ	43.02	17 eP	14 47.30 0.0	VAM	2.83	128 ePn	10 54.80 -0.9	ELL	6.78	91 eP	11 53.00 1.8	
ASAJ	43.39	15 eP	14 50.40 0.1	KEK	2.85	333 ePn	10 57.00 0.9	IZI	7.01	61 iP	11 54.40 -0.1	
DZM	44.27	125 iPd	14 57.90 0.3	SRN	2.94	337 iPnd	10 59.00 1.8	DUI	7.03	312 P	11 55.56 0.8	
LSA	44.70	311 P	15 02.90 1.5			iSn	11 41.10	YLV	7.04	59 eP	11 53.50 -1.4	
GTA	45.19	328 eP	15 05.00 0.3	LIT	3.03	15 iPn	10 59.94 1.3	RFI	7.12	308 P	11 56.15 0.3	
	1.5s	44.00nm	4.6mb	LSK	3.05	347 iPnc	10 58.10 -0.8	HVAR	7.12	329 iPnd	11 53.30 -2.5	
		ScP	20 12.30			iSn	11 47.80			iSn	13 12.60	
		PcS	20 35.00	KZN	3.14	4 ePn	11 02.00 1.8	BCK	7.28	85 eP	11 58.30 0.1	
YSS	46.13	13 eP	15 10.80 -1.1	FNA	3.61	359 ePn	11 08.40 1.7	HRT	7.36	58 eP	11 59.00 -0.2	
GUN	47.99	306 P	15 27.40 0.3			eSn	11 53.00	SDI	7.45	310 P	12 00.26 -0.2	
KKN	48.43	306 P	15 30.20 -0.1	VLO	3.63	336 ePn	11 08.00 1.0	GZR	8.27	6 iPc	12 11.00 -0.8	
DMN	48.50	305 P	15 31.20 0.4	THE	3.65	18 ePn	11 08.28 1.1	BZS	8.44	1 eP	12 04.00 -10.0X	
CIT	51.01	348 eP	15 49.50 0.2			eSn	11 54.00	CMP	8.52	17 ePd	12 16.00 0.7	
HYB	51.29	290 iPc	15 51.60 -0.3	OUR	3.72	31 iPn	11 09.44 1.2	DEV	8.77	7 iPd	12 19.00 0.4	
	1.0s	84.00nm	5.2mb	GRG	3.85	11 ePn	11 11.44 1.3	MLR	8.97	21 ePc	12 12.00 -9.5X	
GBA	51.73	285 P	15 54.00 -1.1	NPS	3.86	118 ePb	11 14.00 3.7X	CFR	9.46	30 eP	12 30.00 2.0	
	0.6s	7.00nm	4.3mb	SOH	3.93	21 ePn	11 12.52 1.3	VBY	9.54	333 ePn	12 27.20 -2.0	
ZAK	52.40	340 eP	15 58.50 -1.0	OHR	3.97	353 iPnc	11 13.10 1.3	VRI	9.54	23 iPd	12 28.50 -0.7	
	1.4s	12.00nm	4.2mb			i	11 27.70	ZAG	9.56	336 e(Pn)	12 26.00 -3.4X	
		e	16 46.00			i	11 30.20	PTJ	9.64	336 ePn	12 27.60 -3.1X	
WMQ	54.87	325 P	16 17.00 -0.7			i	12 05.00	UZD	9.65	348 e(P)	12 29.00 -1.7	
	2.0s	22.00nm	4.4mb			i	12 19.70	RIY	9.74	329 e(Pn)	12 29.80 -2.1	
Z	20s	0.43um	4.5MsZ			i	12 33.20	CEY	10.05	331 eP	12 34.00 -2.2	
		sP	17 31.00			LR	12 50.00			eS	14 24.50	
		eS	23 41.00	KNT	4.14	15 ePn	11 15.76 1.6	FIR	10.19	314 (Pn)	12 35.00 -3.1X	
YAK	59.50	1 iPd	16 48.40 -1.2			eSn	12 06.50	LJU	10.26	332 eP	12 35.50 -3.6X	
	0.9s	52.00nm	5.2mb	LCI	4.18	320 P	11 14.68 0.0			eS	14 30.00	
		e	17 34.00	VAY	4.23	11 iPn	11 16.30 0.9	TRI	10.30	328 e(Pn)	12 36.70 -2.8	
		eS	24 37.00	SRS	4.27	22 iPn	11 16.82 0.8			e(Sn)	14 29.70	
KSH	60.25	315 P	16 56.00 0.6	GRI	4.31	294 P	11 17.21 0.7			e	16 28.00	
	0.6s	30.00nm	5.1mb	TIR	4.35	344 iPnd	11 17.50 0.4	KAS	10.42	62 eP	12 44.00 2.7	
ADK	67.06	33 eP	17 38.67 -0.4			iSn	12 17.50	VOY	10.50	330 eP	12 40.10 -2.3	
	0.8s	21.55nm	4.9mb	SOI	4.39	283 P	11 16.97 -0.6			i	12 41.70	
TIK	69.15	0 iPc	17 52.00 0.4	GMB	4.55	284 P	11 19.70 -0.4			eS	12 54.30	
	1.4s	22.00nm	4.7mb	EZN	4.64	54 eP	11 20.30 -0.9	PGF	10.98	303 eP	12 49.60 0.7	
Z	14s	0.40um	4.8MsZ	TDS	4.73	303 P	11 24.00 1.6			1.1s	42.00nm	5.4mb
		i	18 45.00	MMB	4.75	21 iPc	11 23.00 0.3	KIS	11.26	27 eP	13 08.00 15.5X	
		eS	26 36.00	IZM	4.76	73 eP	11 20.00 -2.9X		Z	14s	1.00um	
CSY	69.73	188 iPd	17 55.30 0.1	SKO	4.79	360 iPn	11 23.00 -0.4	KBA	11.58	331 iPd	12 55.30 -1.7	
	0.7s	42.40nm	5.3mb			i	11 41.00		1.0s	24.50nm	5.2mb X	
SDN	77.28	34 eP	18 38.77 -0.1			i	11 57.00			iS	15 03.80	

02d 14h

SPC 12.04 356 eP 13 02.30 -0.9
 WTTA 12.43 327 iPc 13 06.20 -2.1
 0.9s 24.00nm 5.1mb X
 i 13 28.40
 iS 15 24.40
 i 15 43.20
 WATA 12.51 327 i(P) 13 08.90 -0.4
 iS 15 26.20
 SQTA 12.58 326 iPd 13 10.90 0.7
 0.6s 12.70nm 5.0mb X
 iS 15 25.90
 MOTA 12.72 326 i(P) 13 11.80 -0.3
 i(S) 15 32.00
 GEC2 12.97 337 Pn 13 15.00 -0.3
 Sn 14 37.10
 OJC 13.10 355 eP 13 27.00 10.1X
 KHC 13.26 337 eP 13 17.00 -2.0
 0.9s 5.30nm 4.3mb
 Z 12s 1.60um 7.7MsZ
 N 12s 0.80um
 E 12s 0.70um
 i 13 20.50
 e 13 30.00
 e 13 37.60
 FUR 13.28 329 eP 13 20.80 1.4
 PRU 13.75 341 eP 13 24.30 -1.1
 0.9s 13.90nm 4.6mb
 E 11s 1.20um
 i 13 34.10
 e 13 54.50
 LPG 13.82 312 eP 13 33.40 6.7X
 0.8s 6.45nm 4.3mb
 LPL 13.84 312 eP 13 32.50 5.6X
 0.9s 5.55nm 4.2mb
 KSP 14.16 346 eP 13 31.00 0.2
 id 13 39.00
 GRF 14.54 333 iPc 13 43.60 7.9X
 1.1s 43.00nm 4.7mb
 Z 20s 0.80um
 FEL 14.56 321 P 13 38.08 1.9
 BRG 14.71 341 iP 13 38.30 0.3
 1.2s 19.00nm 4.3mb
 i 13 44.60
 LOMF 14.84 318 P 13 46.52 6.8X
 MOF 14.99 320 P 13 45.65 3.9X
 BSF 15.16 319 eP 13 44.50 0.6
 1.4s 47.50nm 4.5mb
 MOX 15.20 335 eP 13 45.00 0.7
 1.4s 27.00nm 4.3mb
 ECH 15.22 321 P 13 45.61 1.1
 WLS 15.25 322 P 13 44.79 -0.2
 CDF 15.29 322 P 13 45.50 0.0
 SOC 15.30 60 eP 13 49.00 3.3X
 CLL 15.36 340 eP 13 44.00 -2.4
 i 13 52.80
 HAU 15.50 319 eP 13 50.30 2.2
 1.1s 38.10nm 4.5mb
 Z 19s 0.28um
 VITF 15.82 319 P 13 55.91 3.7X
 TNS 16.05 328 ePnd 13 57.30 2.1
 LBF 16.23 313 eP 14 01.40 3.9X
 0.9s 7.85nm 3.9mb
 LOR 16.45 313 eP 14 01.20 1.0
 1.2s 12.50nm 3.9mb
 Z 18s 0.22um
 SSF 16.55 312 eP 14 04.90 3.4X
 0.9s 13.25nm 4.1mb
 MAF 16.73 309 eP 14 06.20 2.5
 0.9s 5.10nm 3.7mb
 BNS 17.14 328 iPc 14 14.90 6.1X
 MNK 17.26 12 eP 14 15.00 4.9X
 KIV 17.47 61 eP 14 15.40 2.4
 1.2s 41.00nm 4.5mb
 Z 19s 0.20um
 ENN 17.55 326 eP 14 18.50 4.7X
 1.0s 23.00nm 4.3mb
 DOU 17.72 322 P 14 19.30 3.4X
 1.0s 47.20nm 4.6mb
 PYA 17.75 61 iPc 14 18.00 1.6
 WTS 18.07 330 eP 14 24.50 4.3X
 0.7s 16.40nm 4.3mb
 ERE 18.23 73 eP 14 22.00 -0.4
 MFF 18.59 307 eP 14 28.40 1.8
 1.0s 11.60nm 4.0mb
 LDF 19.43 313 eP 14 34.20 -2.0
 1.1s 21.50nm 4.3mb
 GRO 19.45 64 eP 14 35.00 -1.4

Z 14s 1.00um
 N 14s 1.50um
 E 12s 1.00um
 TAB 19.71 80 eP 14 46.00 6.7X
 FLN 19.72 313 eP 14 36.20 -3.0X
 1.1s 24.40nm 4.4mb
 Z 17s 0.17um 4.2MsZ
 LPF 19.73 310 eP 14 39.20 -0.1
 0.9s 10.80nm 4.2mb
 PAB 20.36 285 eP 14 47.50 1.5
 OBN 20.69 25 iPc 14 47.40 -1.8
 1.0s 108.00nm 5.1mb
 Z 12s 0.50um 4.1MsZ
 N 12s 0.50um
 E 12s 0.10um
 e 15 10.00
 ePPP 15 23.00
 (S) 18 33.00
 KER 20.98 90 eP 14 50.00 -2.5
 MOS 21.55 25 eP 14 57.00 -0.8
 e 15 12.00
 e 15 40.00
 e 19 04.00
 UPP 22.84 355 iP 15 10.20 -0.3
 PUL 23.32 11 (P) 15 18.00 2.9X
 1.2s 140.00nm 5.3mb
 e 15 22.00
 NUR 23.45 4 iP 15 16.50 0.2
 0.7s 31.90nm 4.9mb
 HFS 23.51 350 eP 15 17.70 0.7
 0.4s 5.20nm 4.3mb
 Z 16s 0.45um 4.0MsZ
 LR 24 20.00
 NB2 24.75 348 P 15 29.40 0.3
 0.9s 12.60nm 4.4mb
 KAF 25.15 5 iP 15 33.50 0.8
 0.7s 23.60nm 4.8mb
 ASH 29.13 77 eP 16 12.30 3.0X
 MAIO 30.36 80 eP 16 20.00 -0.3
 i 18 08.00
 SDF 30.43 4 eP 16 21.00 0.6
 ARU 31.34 40 eP 16 26.00 -2.6
 1.3s 40.00nm 5.0mb
 Z 12s 0.50um 4.4MsZ
 SVE 32.54 40 iPc 16 38.80 -0.2
 1.1s 60.00nm 5.3mb
 e 16 44.00
 TIC 38.80 225 P 17 34.64 2.0
 KIC 38.87 224 P 17 35.24 2.0
 1.1s 18.50nm 4.9mb
 LIC 39.14 225 P 17 37.50 2.0
 1.1s 20.00nm 4.9mb
 Z 20s 1.13um 4.7MsZ
 FRU 40.55 65 eP 17 47.20 0.3
 1.6s 50.00nm 5.1mb
 e 19 29.00
 NDI 46.98 83 eP 18 39.00 0.1
 DMN 53.70 81 P 19 29.60 -0.7
 0.8s 44.00nm 5.5mb
 KKN 53.75 80 P 19 29.80 -0.9
 0.8s 39.00nm 5.5mb
 GUN 54.17 80 P 19 32.80 -1.1
 GBA 54.89 100 P 19 37.00 -1.8
 ZAK 57.66 49 eP 19 58.00 -0.2
 1.5s 13.00nm 4.8mb
 CD2 66.45 68 iPd 20 57.00 -0.3
 HHC 66.99 56 eP 21 00.60 -0.1
 1.0s 8.50nm 4.7mb
 KMI 68.67 74 eP 21 11.00 -0.5
 1.5s 50.00nm 5.2mb
 GYA 70.94 71 iPd 21 25.20 0.0
 1.0s 16.00nm 4.9mb
 CN2 74.03 47 P 21 43.40 0.4
 1.2s 16.00nm 4.8mb
 YSS 81.07 36 iPd 22 24.00 2.2
 1.0s 30.00nm 5.2mb
 e 22 34.30
 MAT 86.15 46 eP 22 49.00 1.1
 NEW 87.29 334 eP 22 57.00 3.8X
 0.9s 15.79nm 5.2mb
 DPW 88.00 334 eP 23 00.49 3.8X
 S.D. = 1.3 on 141 of 174 obs.
 ? SEP 02, 1993 14h 14m 34.29± 8.29s
 39.658 N ±53.7km 29.443 E ±50.9km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)

ML 2.7 (ISK).
 DST 0.63 265 iPg 14 46.80 -0.1
 eSg 14 56.80
 IZI 0.68 2 iPg 14 47.50 -0.4
 iSg 14 57.50
 YLV 0.91 357 iPn 14 52.50 0.3
 HRT 1.17 8 ePn 14 56.40 -0.3
 ISK 1.44 348 ePn 15 01.50 0.5
 S.D. = 0.5 on 5 of 5 obs.
 SEP 02, 1993 14h 26m 47.80± 0.66s
 43.836 N ± 6.9km 7.319 E ± 6.4km
 DEPTH = 10.0km (geophysicist)
 NEAR SOUTH COAST OF FRANCE (379)
 ML 2.5 (LDG).
 AURF 0.05 7 Pg 26 49.39 -0.7
 Sg 26 56.95
 SBF 0.09 72 Pg 26 50.00 -0.4
 Sg 26 55.70
 MVIF 0.13 297 Pg 26 50.34 -0.8
 Sg 26 57.43
 AUTN 0.18 26 Pg 26 52.60 0.7
 TOUF 0.18 344 Pg 26 52.52 0.5
 SAOF 0.23 49 Pg 26 52.87 0.2
 FRF 0.56 241 Pg 26 59.80 0.6
 LMR 0.77 230 Pg 27 03.20 0.3
 Sg 27 18.90
 LRG 0.79 242 Pg 27 02.80 -0.4
 Sg 27 18.20
 S.D. = 0.7 on 9 of 9 obs.
 ? SEP 02, 1993 14h 57m 20.58± 7.46s
 42.984 N ±24.1km 1.146 W ±42.4km
 DEPTH = 10.0km (geophysicist)
 PYRENEES (378)
 ML 1.0 (STR).
 BOH 0.15 40 Pg 57 24.05 -0.2
 ELYF 0.22 31 Pg 57 25.39 0.1
 Sg 57 28.73
 ISSF 0.26 80 Pg 57 26.09 -0.1
 Sg 57 30.36
 MADF 0.29 56 Pg 57 26.91 0.3
 Sg 57 30.81
 ATE 0.34 73 Pg 57 27.50 -0.2
 Sg 57 32.57
 LHE 0.39 100 Pg 57 28.71 0.1
 Sg 57 33.68
 S.D. = 0.2 on 6 of 6 obs.
 SEP 02, 1993 15h 11m 59.45± 0.94s
 44.383 N ± 7.1km 8.197 E ±10.7km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.3 (LDG).
 SAOF 0.61 230 Pg 12 11.67 -0.1
 AUTN 0.68 235 Pg 12 12.30 -0.7
 SBF 0.76 227 Pg 12 13.40 -0.9
 Sg 12 25.10
 TOUF 0.78 242 Pg 12 15.30 0.6
 Sg 12 28.10
 AURF 0.80 232 Pg 12 15.04 0.0
 Sg 12 28.64
 REVF 0.88 223 Pg 12 15.53 -0.8
 MVIF 0.90 237 Pg 12 17.82 1.1
 Sg 12 31.34
 FRF 1.39 234 Pg 12 24.90 0.1
 Sg 12 45.00
 LPG 1.52 318 Pg 12 26.10 -0.8
 LPL 1.54 318 Pg 12 27.40 0.2
 LMR 1.61 230 Pg 12 28.10 0.1
 Sg 12 50.70
 LRG 1.62 236 Pg 12 29.20 1.1
 Sg 12 51.30
 GEC2 5.85 38 ePKP 13 28.60 0.2
 1.0s 0.94nm 3.4mb X
 S.D. = 0.7 on 13 of 13 obs.
 SEP 02, 1993 15h 39m 02.93± 0.88s
 33.659 S ± 5.1km 70.489 W ± 7.6km
 DEPTH = 10.0km (geophysicist)
 CHILE-ARGENTINA BORDER REGION (127)
 MD 3.2 (SAN).

02d 15h

PCH 0.04 331 iPd 39 06.37 1.2
 FCH 0.37 27 iS 39 08.21
 TACH 0.37 271 iP+ 39 10.46 -0.2
 CACH 0.47 191 iS 39 15.53
 PEL 0.54 342 eP 39 11.12 0.5
 ROCH 0.81 327 iS 39 16.98
 LNV 0.82 249 iP 39 12.69 0.2
 LCCH 0.92 281 eP 39 19.38
 JACH 0.98 355 iS 39 13.87 0.0
 S.D. = 0.7 on 9 of 9 obs.

* SEP 02, 1993 16h 35m 55.63 ± 1.64s
 7.540 S ± 13.9km 129.370 E ± 15.9km
 DEPTH = 130.1 ± 15.5 km

BANDA SEA (280)
 SLKI 1.96 103 iPd 36 30.50 1.0
 TLE 3.85 61 iS 36 53.50
 MTN 5.55 162 iPc 36 53.20 -1.0
 KNA 8.18 184 eP 37 29.20 1.0
 WB2 13.24 159 eP 37 18.20 0.1
 QIS 16.30 144 eP 37 53.00 -2.8
 MBL 16.38 213 eP 38 21.00 1.6X
 ASPA 16.61 165 eP 41 16.60 0.6
 NANU 20.01 220 eP 42 28.00 0.9
 CTA 20.57 129 eP 40 20.20 0.1
 FORT 23.15 183 eP 40 27.00 0.9
 MRWA 24.97 209 eP 44 26.00
 STK 26.76 156 eP 46 46.00
 1.1s 3.60nm
 LPB 150.49 144 (PKP) 55 30.00 0.8
 LPAZ 150.67 144 i(PKP) 55 24.60 -5.1X
 S.D. = 1.3 on 12 of 15 obs.

SEP 02, 1993 17h 18m 26.21 ± 0.73s
 26.362 S ± 5.9km 27.518 E ± 8.1km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 3.2 (PRE). mbLg 3.3 (BUL).

PRY 0.57 184 eP 18 37.60 0.1
 KSR 0.75 311 eP 18 44.00 -0.2
 BFS 0.85 231 eP 18 41.00 0.9
 SLR 0.93 48 iPd 18 50.50 0.5
 SWZ 2.12 247 eP 18 44.00 1.2
 BLF 2.98 203 eP 18 54.20 -0.7
 PKA 5.34 231 eP 19 04.20 -1.3
 BUL 6.27 9 iPn 19 14.50 -0.3
 S.D. = 1.0 on 8 of 8 obs.

? SEP 02, 1993 17h 18m 38.62 ± 1.09s
 50.252 N ± 23.4km 18.933 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)
 ML 3.0 (WAR).

OJC 0.56 93 eP 18 49.90 0.0
 SPC 1.36 141 ePn 18 58.90 2.8X

i(Sg) 19 27.10
 Lg 19 31.00
 KSP 1.78 290 iPg 19 10.00 0.3
 VRAC 1.79 239 ePn 19 32.50 0.7
 PRU 2.84 266 eSg 19 10.40 8.2X
 KHC 3.65 254 eP 19 34.40 -1.0
 CAV 6.37 234 ePn 19 33.00 13.6X
 S.D. = 1.3 on 4 of 7 obs.

& SEP 02, 1993 17h 50m 24.62s
 59.157 N 152.853 W
 DEPTH = 79.5km
 SOUTHERN ALASKA (2)
 <AEIC>.

AUE 0.33 307 iP 50 36.69 -0.5
 AUI 0.34 301 eS 50 45.39 -0.3
 AUP 0.36 305 eP 50 36.95 -0.5
 AGU 0.36 305 eP 50 36.99 -0.5
 AUH 0.37 305 eP 50 37.51 0.0
 AUL 0.37 307 eP 50 37.26 -0.3
 AUW 0.38 304 eP 50 37.15 -0.4
 CDD 0.47 241 eP 50 37.44 -0.1
 OPT 0.53 339 eP 50 37.75 -0.5
 SYI 0.53 339 eS 50 47.85 -0.5
 XLV 0.60 156 iP 50 38.30 -0.5
 HOM 0.65 62 eP 50 48.65 -0.7
 CNPM 0.80 50 iP 50 50.18 -0.4
 INE 0.91 65 eP 50 41.09 -0.9
 INW 0.91 353 iP 50 55.21 -0.9
 ILIM 0.92 351 eP 50 42.12 -0.9
 PDB 0.93 357 iP 50 42.07 -0.8
 BRLK 0.93 313 iP 50 42.22 -0.8
 RED 1.17 58 eP 50 55.60 -1.1
 RSO 1.27 2 eP 50 45.00 -0.9
 RS2 1.31 2 iP 50 46.49 -0.8
 RDW 1.31 2 eP 50 47.26 -0.5
 REF 1.33 1 iP 50 47.55 -0.5
 NCT 1.34 3 iP 50 47.78 -0.8
 DFR 1.41 358 eP 51 05.34 -0.8
 NKA 1.44 3 iP 50 48.42 -0.7
 SLKM 1.79 26 eP 50 48.95 -1.1
 BRG 1.90 43 eP 50 55.24 -1.5
 SEW 1.94 9 iP 50 54.20 -0.3
 CKL 1.97 60 eP 50 56.04 -1.3
 CKT 2.06 7 eP 50 55.33 -0.3
 BGL 2.08 9 eP 50 57.74 -0.5
 CP2 2.13 6 eP 50 57.65 -0.2
 CRP 2.14 8 eP 50 58.71 -0.6
 CGLM 2.15 9 eP 50 58.55 -0.2
 MPA 2.20 11 eP 50 59.03 -0.1
 NCG 2.21 51 eP 50 59.93 0.1
 SVW 2.28 8 eP 50 59.22 -0.7
 SUA 2.40 326 P 51 00.57 -0.6
 PTE 2.54 23 eP 51 02.00 -0.5
 PMS 2.58 47 eP 51 04.11 -1.3
 PWL 2.66 37 P 51 03.59 -0.9
 SKT 2.84 51 eP 51 05.30 -2.1
 PLRM 2.91 12 eP 51 06.55 -0.6
 44 obs. associated

SEP 02, 1993 20h 28m 18.89 ± 0.68s
 57.412 N ± 6.2km 142.729 W ± 3.1km
 DEPTH = 33.0km (normal)
 GULF OF ALASKA (15)
 ML 3.3 (AEIC).

YKU 2.66 35 P 29 02.50 2.2
 KAIM 2.67 341 eP 29 01.62 1.1

es 29 30.14
 eP 29 01.05 0.4
 es 29 29.84
 MID 2.77 318 P 29 01.30 -0.6
 SNH 2.78 359 eP 29 02.55 0.5
 CHX 2.79 17 iP 29 32.62 0.7
 PNL 2.86 36 iP 29 02.91 0.1
 HQN 2.88 43 iP 29 03.31 0.1
 PCA 2.98 25 eP 29 03.34 -0.1
 YAH 3.00 9 iP 29 05.16 0.1
 es 29 05.81 0.3
 BCPM 3.02 31 iP 29 38.69 0.0
 HMT 3.04 345 iP 29 05.44 0.1
 WAX 3.05 359 iP 29 05.94 0.1
 RAGM 3.15 342 eP 29 05.79 -0.2
 es 29 07.21 -0.1

SGAM 3.35 339 eP 29 42.33 0.2
 es 29 10.48 0.2
 TGL 3.35 359 eP 29 47.78 -0.3
 es 29 10.05 -0.3
 CRQM 3.36 357 eP 29 44.91 0.4
 CVA 3.51 335 eP 29 10.17 -0.4
 HIN 3.58 328 eP 29 12.72 0.3
 BALM 3.64 3 iP 29 13.29 -0.1
 es 29 14.28 -0.1
 MTU 3.64 317 eP 29 53.50
 FID 3.87 332 eP 29 14.08 -0.2
 SIT 4.04 92 P 29 16.70 -0.8
 GLB 4.08 353 eP 29 18.10 -1.8
 VZW 4.15 333 eP 29 20.12 -0.5
 VLZ 4.16 335 eP 29 20.60 -1.0
 KLU 4.41 340 eP 29 22.16 0.5
 SEW 4.42 310 eP 29 24.45 -0.8
 PWL 4.50 322 eP 29 24.92 -0.4
 CFI 4.58 328 eP 29 25.08 -1.5
 MPA 4.62 315 eP 29 26.83 -0.7
 PTE 4.74 320 eP 29 27.57 -0.5
 CNPM 4.94 299 eP 29 28.72 -1.1
 SLKM 4.97 312 eP 29 32.76 0.0
 HOM 5.19 299 eP 29 32.73 -0.4
 PMS 5.20 321 P 29 35.67 -0.5
 SML 5.25 330 eP 29 36.00 -0.4
 KDC 5.27 278 P 29 36.94 -0.2
 SYI 5.28 287 P 29 38.70 1.5
 PAX 5.74 347 eP 29 36.50 -0.9
 SUA 5.76 318 eP 29 45.70 1.6
 RDT 5.92 306 eP 29 44.48 0.0
 AUE 5.93 294 eP 29 46.63 0.0
 OPT 5.94 297 eP 29 48.61 2.0
 AUP 5.95 294 eP 29 47.43 0.6
 ILIM 5.96 301 eP 29 47.95 0.8
 AUH 5.97 294 eP 29 47.28 0.1
 AUL 5.97 294 eP 29 47.28 0.1
 CDD 5.97 289 eP 29 48.51 1.3
 INE 6.00 301 eP 29 48.35 1.2
 RED 6.01 304 eP 29 47.82 0.5
 REF 6.01 305 eP 29 47.65 -0.2
 RSO 6.02 305 eP 29 47.69 -0.2
 RS2 6.02 305 eP 29 47.91 -0.1
 RDW 6.06 305 eP 29 47.59 -0.6
 SPU 6.09 312 eP 29 47.74 -0.5
 NCT 6.15 305 eP 29 48.15 -0.5
 CP2 6.21 312 eP 29 48.67 -0.3
 BGL 6.27 312 eP 29 49.49 -0.3
 SKT 6.39 319 eP 29 51.17 0.3
 PDB 6.45 296 eP 29 51.62 0.1
 TRF 7.12 331 P 29 52.39 -0.7
 SVW 7.57 305 P 29 53.84 -0.1
 S.D. = 0.8 on 63 of 63 obs.

SEP 02, 1993 21h 03m 41.59 ± 0.25s
 40.190 N ± 3.0km 27.263 E ± 2.4km
 DEPTH = 13.7 ± 2.1 km
 TURKEY (366)
 ML 4.4 (THE), 4.2 (ATH), 3.9 (ISK). Felt at Biga.

EDC 0.49 71 iPg 03 51.00 -0.4
 BNT 0.53 72 iPg 03 52.40 0.2
 MFT 0.60 1 iPrn 03 53.70 0.3
 EZN 0.81 244 iPrn 03 56.50 -0.4
 KCT 0.84 86 iPrn 03 57.40 -0.1
 ALN 1.17 308 ePb 04 03.68 0.7
 esb 04 23.00
 DST 1.20 119 iPrn 04 04.00 0.3
 PRK 1.21 219 ePb 04 04.00 0.2

02d 21h

CTT	1.30	42	iPn	04 05.40	0.1	GRF	2.87	78	e(Pg)	44 20.70	-5.3X	IMI	0.69	140	Pc	31 35.94	-0.2
ITU	1.62	55	iPnd	04 11.00	1.3				e(Sg)	45 11.70					S	31 45.27	
ISK	1.62	57	iPn	04 09.90	0.1	GEC2	4.49	92	Pn	44 48.80	-0.3	RSP	0.71	359	P	31 35.99	-0.5
RDO	1.62	307	ePn	04 10.50	0.7				Sn	45 38.10					S	31 45.69	
IZI	1.70	84	ePn	04 11.40	0.4				Sg	46 05.20		FIN	0.71	109	Pc	31 36.50	0.1
IZM	1.79	180	iPn	04 11.50	-0.8				S.D. = 1.0	on 11 of 14 obs.					S	31 46.39	
HRT	1.94	70	iPn	04 14.40	-0.1	? SEP 02, 1993 22h 18m 04.80± 1.08s						CALN	0.74	202	Pg	31 36.96	0.0
DIM	2.27	325	iPd	04 20.00	0.8	39.091 N ±11.2km 27.928 E ±17.1km						PCP	0.92	83	Pd	31 40.50	0.5
GPA	2.33	87	iPn	04 20.20	0.0	DEPTH = 10.0km (geophysicist)						FRF	0.99	207	Pg	31 40.80	-0.2
RZN	2.44	309	iPd	04 22.00	0.2	TURKEY (366)									Sg	31 53.30	
ALT	2.47	116	iPn	04 23.00	0.8	ML 2.6 (ISK).						LSD	1.02	356	P	31 41.70	-0.1
OUR	2.52	274	iPn	04 23.00	0.3										S	31 54.84	
KHL	2.56	136	iPn	04 23.50	0.1	DST	0.75	46	iPg	18 19.40	-0.1	LPG	1.12	341	Pn	31 43.50	0.0
CIN	2.67	166	iPd	04 24.00	-0.9				eSg	18 30.40		LPL	1.14	341	Pn	31 44.10	0.2
PLD	2.72	316	iPd	04 26.00	0.4	IZM	0.87	217	ePg	18 21.50	0.0	LRG	1.18	214	Pg	31 44.40	0.0
SRS	2.94	290	iPn	04 28.88	0.1				eSg	18 34.50					Sg	31 58.90	
			eSn	05 07.00		KCT	1.20	16	ePn	18 27.40	0.2	LMR	1.23	207	Pg	31 45.40	0.1
MMB	3.02	299	iPd	04 30.00	0.1	EDC	1.26	358	ePn	18 28.00	-0.1				Sg	32 00.60	
SOH	3.05	283	ePn	04 30.60	0.3				S.D. = 0.2	on 4 of 4 obs.		PGF	2.27	146	Pn	31 59.40	-1.2
THE	3.31	279	ePn	04 33.00	-1.0										Sn	32 25.10	
			eSn	05 16.00		* SEP 02, 1993 22h 38m 43.29± 1.27s						SMF	3.26	314	Pn	32 15.00	0.4
PGB	3.31	316	iPd	04 34.00	-0.1	11.276 S ±13.8km 120.951 E ±10.2km									Sn	32 52.70	
KNT	3.46	288	ePn	04 36.36	0.3	DEPTH = 33.0km (normal)						LBF	3.43	319	Pn	32 17.50	0.5
ATH	3.54	232	ePn	04 43.75	6.5X	4.5mb (1 obs.)									Sn	32 56.70	
KKB	3.58	299	iP	04 37.00	-0.8	SOUTH OF SUMBA, INDONESIA (292)						AVF	3.61	312	Pn	32 19.80	0.3
VAY	3.74	289	iPn	04 40.40	0.3							HAU	3.62	350	Pn	32 19.20	-0.5
BCK	3.76	135	iPn	04 41.30	0.7	KNA	8.81	121	eP	40 51.20	-0.1				Sn	33 02.10	
GRG	3.78	283	ePn	04 41.72	1.0				eS	42 12.00		LOR	3.70	321	Pn	32 20.20	-0.5
VTs	3.88	310	iPd	04 42.00	-0.2	MBL	9.89	186	iPd	41 06.50	0.2				Sn	33 02.60	
AGG	3.98	255	ePn	04 43.12	-0.5				iS	42 54.00		SSF	3.71	316	Pn	32 21.20	0.2
			iSn	05 32.93		MTN	10.08	100	eP	41 04.50	-4.4X				Sn	33 04.10	
ELL	4.01	148	iPn	04 44.50	0.4				0.4s	96.00nm	6.4mb X	CAF	3.74	279	Pn	32 21.10	-0.3
KZN	4.20	273	ePn	04 47.00	0.2				eS	42 51.00		BGF	3.76	306	Pn	32 21.80	0.2
VLI	4.85	226	ePn	04 54.50	-1.4	NANU	12.36	204	eP	41 38.00	-1.9				Sn	33 04.30	
DRA	5.01	335	ePc	05 04.00	6.0X				0.3s	10.00nm	5.4mb X	MAF	3.76	300	Pn	32 22.00	0.3
CFR	5.04	7	eP	04 57.00	-1.4				eS	43 51.00		TCF	4.01	299	Pn	32 25.40	0.2
KAS	5.08	74	eP	05 03.50	4.4X	MEEK	15.44	188	eP	42 20.50	0.1				S.D. = 0.4	on 34 of 34 obs.	
LSK	5.10	272	ePn	05 01.90	2.4	WB2	15.51	125	iPc	42 19.60	-1.8						
CMP	5.33	343	ePc	05 05.00	2.3				eS	44 56.00					SEP 03, 1993 01h 29m 12.31± 1.62s		
MLR	5.39	350	iPc	05 03.50	-0.1	ASPA	17.43	137	iPc	42 47.00	1.3				32.160 S ± 8.4km 67.240 W ± 7.5km		
SRN	5.58	269	ePn	05 06.50	0.3				eS	45 51.70					DEPTH = 157.9 ± 22.8 km		
VRI	5.69	356	iPc	05 07.10	-0.6	MRWA	18.44	194	eP	42 59.00	0.9				MENDOZA PROVINCE, ARGENTINA (139)		
TIR	5.74	284	ePn	05 10.00	1.6				0.3s	11.00nm	4.5mb						
GZR	6.16	329	ePd	05 12.50	-1.8				i	43 02.70		CFA	1.01	303	iPc	29 38.20	-0.1
CLI	6.36	0	ePc	05 26.50	9.4X				eS	46 13.00					S	29 56.00	
SPC	10.29	333	e(P)	06 10.20	-1.7	COOL	19.51	180	eP	43 11.40	0.5	RTCV	1.14	285	ePd	29 39.20	-0.2
VBY	10.29	305	ePn	06 10.70	-1.1				eS	46 38.00					S	29 58.00	
GEC2	12.97	316	Pn	06 47.10	-1.0	BAL	19.63	191	eP	43 12.00	-0.2	MRA	1.32	101	iPd	29 41.10	0.1
			Pg	07 57.40					e	43 16.00		RTLL	1.33	308	iPc	29 41.00	-0.2
LPG	15.94	296	eP	07 34.20	7.0X	FORT	20.50	162	eP	43 22.00	0.8				S	30 01.50	
	0.9s	4.90nm			3.7mb	MUN	21.06	191	eP	43 33.00	6.0X	ZON	1.37	296	iPd	29 41.70	0.2
LPL	15.96	296	eP	07 33.20	5.8X				eS	47 15.00					eS	30 03.70	
	1.1s	4.90nm			3.6mb	STK	27.99	140	eP	44 59.50	26.3X	RTCB	1.49	296	ePd	29 43.00	0.2
CDF	16.47	307	eP	07 37.70	4.0X				2.8s	3.60nm					(S)	30 04.00	
	1.1s	9.50nm			3.8mb	GBA	49.74	299	P	47 35.00	0.2	TCA	2.40	71	iPc	29 53.00	-0.1
MAF	18.95	297	eP	07 45.70	-18.8X				S.D. = 1.1	on 11 of 14 obs.					(S)	30 21.50	
	1.1s	2.70nm										RFA	2.80	201	ePd	29 58.00	0.0
			S.D. = 0.9	on 49 of 57 obs.		SEP 03, 1993 00h 31m 22.34± 0.17s						CYA	3.91	19	ePd	30 12.30	0.0
						44.440 N ± 1.5km 7.266 E ± 2.2km									S	31 57.00	
						DEPTH = 10.0km (geophysicist)									S.D. = 0.2	on 9 of 9 obs.	
						NORTHERN ITALY (545)											
						ML 2.9 (GEN), 2.7 (LDG).									SEP 03, 1993 03h 14m 48.00± 0.41s		
															44.729 N ± 2.7km 6.914 E ± 5.0km		
															DEPTH = 10.0km (geophysicist)		
															FRANCE (538)		
															ML 2.4 (GEN), 2.0 (LDG).		
WLF	0.69	315	iPd	43 53.06	0.0	PZZ	0.13	299	Pc	31 26.11	0.4	RRL	0.21	334	P	14 52.42	-0.3
			iS	44 03.05					S	31 28.12					S	14 55.81	
HOFF	0.74	108	Pg	43 54.14	0.2	STV	0.20	168	Pd	31 27.24	0.5				S	14 53.34	-0.2
CDF	0.81	162	Pg	43 54.10	-1.0				S	31 29.98		PZZ	0.26	149	P	14 57.59	
			Sg	44 04.98		ENR	0.24	153	Pd	31 27.97	0.4				S	14 54.57	0.8
WLS	0.82	158	Pg	43 54.56	-0.8				S	31 36.21		BHB	0.27	66	P	14 59.33	
ECH	0.98	170	Pg	43 57.59	-0.4				S	31 31.22	0.1				S	14 58.23	0.3
			Sg	44 10.86		TOUF	0.43	182	Pg	31 32.17	0.5	RSP	0.49	30	P	15 05.97	
VITF	1.14	213	Pg	44 00.06	-0.6	ROB	0.46	108	Pc	31 39.03					S	15 05.97	
MOF	1.34	173	Pg	44 04.19	0.1				S	31 31.76	0.0	STV	0.57	149	P	14 58.76	-0.8
			Sg	44 22.26		AUTN	0.46	165	Pg	31 38.18					S	15 06.56	
FEL	1.50	150	Pg	44 07.28	0.8				Sg	31 32.43	0.0	ENR	0.62	144	P	14 59.62	-0.9
ENN	1.71	339	ePn	44 12.00	2.6X	SAOF	0.50	155	Pg	31 39.15					S	15 08.12	
	0.6s	5.20nm							Sg	31 33.47	0.0	LSD	0.75	13	P	15 02.95	0.1
			eSn	44 36.50		MVIF	0.55	189	Pg	31 40.86		LPG	0.78	352	Pg	15 03.10	-0.2
DOU	1.76	302	P	44 09.90	-0.2				Sg	31 33.47	-0.2	LPL	0.80	351	Pg	15 03.30	-0.4
			e	44 12.80		AURF	0.55	175	Pg	31 41.10		ROB	0.81	122	P	15 03.81	0.0
			i	44 14.70					Sg	31 40.50		SBF	0.94	156	Pg	15 06.70	0.7
			iS	44 33.10		SBF	0.59	168	Pg	31 33.89	-0.6				Sg	15 18.50	
LOMF	1.83	182	Pg	44 13.59	2.3	RRL	0.59	325	Pd	31 41.70		FIN	1.06	119	P	15 07.85	-0.2
SNF	2.16	309	P	44 20.70	4.8X				S								

LMN	39.16	31	eP	23	29.50	-1.1
LBP	39.22	141	eP	23	31.00	-0.9
	Z	21s	2.87um			5.1Msz
			(S)	29	31.00	
			LR	37	40.00	
WAH2	39.27	331	P	23	31.45	0.0
NEW	39.30	334	iPc	23	31.71	-0.1
	0.9s	34.31nm				5.2mb
SSOR	39.43	326	Pc	23	32.87	-0.1
DPW	39.47	333	iPc	23	33.66	0.5
			iPcP	25	40.04	
			e	25	44.47	
CNCB	39.51	141	P	23	34.70	0.3
			S	29	39.00	
RNO	39.53	324	Pc	23	34.50	0.7
ASR	39.84	328	P	23	37.72	1.4
EBG	39.86	330	Pc	23	37.78	1.4
SAW	39.88	332	Pc	23	37.38	0.8
SHW	40.19	328	eP	23	39.30	0.0
LON	40.36	329	iPc	23	40.95	0.4
			ePcP	25	42.41	
			e	25	46.94	
FMW	40.41	329	Pc	23	41.92	0.8
KMOR	40.48	326	P	23	42.63	1.0
RMW	40.85	330	eP	23	44.30	-0.2
BMW	40.90	328	eP	23	44.79	-0.1
			iPcP	25	45.59	
CCH	41.09	139	P	23	51.00	3.9X
GMW	41.39	329	eP	23	48.06	-0.8
JCW	41.42	330	P	23	48.83	-0.3
STW	42.24	329	P	23	56.81	1.0
SIV	43.50	133	P	24	06.10	-0.4
YKA	50.45	347	eP	25	00.30	-0.1
	0.8s	103.90nm				5.9mb
BAO	53.36	122	Pc	25	22.30	-0.7
			e	25	35.90	
			i	26	34.80	
PPD	54.42	131	eP	25	28.30	-2.3
SOB1	56.52	111	eP	25	45.70	-0.2
			e	25	51.70	
			e	26	02.00	
VAO	58.22	129	eP	25	55.80	-2.0
BALM	58.54	334	iPc	26	00.13	0.5
INK	59.83	344	ePc	26	08.20	0.0
	0.8s	63.00nm				5.8mb
KLU	60.28	334	iPc	26	11.35	-0.1
TOA	60.66	334	eP	26	14.80	0.7
	0.9s	133.50nm				6.1mb
PMR	61.72	333	ePc	26	20.57	-0.5
	1.2s	86.39nm				5.8mb
	Z	20s	0.84um			4.9Msz
SLKM	61.78	332	ePc	26	21.32	-0.3
FBA	62.57	337	ePc	26	26.40	-0.4
RSO	62.94	331	iPc	26	28.93	-0.6
CRP	62.94	332	iPc	26	28.72	-0.7
CP2	62.98	332	ePc	26	29.36	-0.4
IMA	65.29	337	e(P)	26	41.00	-3.7X
SDN	65.63	325	eP	26	45.90	-0.8
VAL	74.17	40	iP	27	37.90	-0.9
ADK	75.07	320	iPc	27	43.30	-0.8
	0.8s	66.38nm				5.6mb
ILT	75.23	337	iPd	27	45.00	0.3
	1.0s	90.00nm				5.7mb
DCN	75.87	38	eP	27	47.50	-1.1
	0.7s	38.00nm				5.4mb
STS	76.11	49	eP	27	49.00	-1.2
ECB	76.26	39	eP	27	49.60	-1.2
DLF	76.32	38	eP	27	50.10	-1.0
	0.8s	47.00nm				5.5mb
ECP	76.53	39	eP	27	51.10	-1.2
ETA	76.57	39	eP	27	50.60	-1.9
ERUA	77.20	49	eP	27	56.00	-0.3
EVAL	78.21	54	eP	28	01.00	-0.9
EPLA	78.34	51	eP	28	01.50	-1.1
EHOR	79.35	54	eP	28	08.00	-0.1
EJIF	79.41	55	eP	28	08.20	-0.3
GUD	79.69	51	iPc	28	09.50	-0.6
PAB	79.74	52	eP	28	09.60	-0.7
EBAN	80.42	53	eP	28	13.50	-0.4
LPF	80.54	43	iPc	28	13.30	-0.9
	0.8s	22.70nm				5.2mb
ECRI	80.55	48	eP	28	14.80	0.3
SMY	80.56	322	eP	28	11.40	-2.8
GRR	80.59	42	iPc	28	13.90	-0.6
	0.7s	28.55nm				5.3mb
ECOG	80.76	54	eP	28	15.80	0.0
FLN	80.77	42	iPc	28	14.90	-0.5

		0.9s	29.50nm		5.2mb
	Z	21s	0.80um		5.0Msz
EGUA		80.85	54 eP	28 16.00	-0.1
LDF		81.03	42 iPc	28 16.20	-0.6
		0.8s	27.65nm		5.2mb
ETOR		81.23	50 eP	28 18.00	-0.1
EVIA		81.32	52 eP	28 18.50	-0.2
EHUE		81.41	53 eP	28 19.40	0.2
MFF		81.42	44 iPc	28 18.10	-0.8
		0.8s	13.95nm		5.0mb
BTH		82.10	48 Pc	28 23.00	0.5
EGRA		82.22	49 eP	28 25.30	2.2
ECHE		82.29	51 eP	28 24.40	0.7
EALH		82.31	53 eP	28 23.50	-0.2
LFF		82.38	46 iPc	28 23.30	-0.6
		0.8s	23.90nm		5.2mb
EPF		82.51	48 iPc	28 24.30	-0.4
		0.9s	17.05nm		5.0mb
LSF		82.63	44 iPc	28 24.20	-1.0
		0.8s	12.20nm		4.9mb
LPO		82.75	46 iPc	28 24.50	-1.3
		0.9s	12.80nm		4.9mb
RJF		82.83	45 iPc	28 25.50	-0.8
		0.9s	13.75nm		4.9mb
	Z	20s	0.77um		5.1Msz
EROQ		83.05	50 eP	28 28.00	0.5
TCF		83.08	44 iPc	28 26.70	-0.9
		0.8s	13.70nm		5.0mb
HYF		83.13	43 iPc	28 27.40	-0.4
SALF		83.18	48 P	28 28.60	0.4
CAF		83.30	45 iPc	28 27.90	-0.8
		1.0s	16.00nm		5.0mb
MAF		83.33	44 iPc	28 28.00	-0.9
		0.9s	14.60nm		5.0mb
BGF		83.44	44 iPc	28 28.60	-0.8
		0.7s	32.75nm		5.4mb
PAND		83.50	48 P	28 30.03	0.0
DOU		83.69	40 P	28 30.70	0.2
		0.9s	40.00nm		5.4mb
			e	46 17.70	
AVF		83.72	43 iPc	28 29.80	-1.0
		0.8s	18.65nm		5.2mb
SSF		83.76	43 iPc	28 30.10	-0.9
		0.8s	22.30nm		5.2mb
LOR		83.94	43 iPc	28 31.30	-0.6
		0.9s	25.55nm		5.3mb
	Z	22s	0.80um		5.1Msz
SMF		84.09	43 iPc	28 31.60	-1.0
		0.9s	20.15nm		5.2mb
LBF		84.09	43 iPc	28 31.70	-1.0
		0.8s	9.00nm		4.9mb
NB2		84.11	28 P	28 33.50	1.0
		1.3s	41.70nm		5.3mb
ENN		84.34	39 ePc	28 34.00	0.3
		0.8s	32.70nm		5.4mb
ETER		84.49	48 eP	28 35.00	0.3
WTS		84.53	38 eP	28 35.50	0.8
		0.8s	15.20nm		5.1mb
WLF		84.78	40 iPd	28 36.64	0.7
		1.4s	28.90nm		5.2mb
			i	45 58.40	
VITF		85.07	42 P	28 37.60	0.1
ESL		85.15	50 eP	28 38.00	-0.1
HAU		85.37	42 iPc	28 38.80	-0.2
		0.7s	18.75nm		5.3mb
	Z	20s	0.73um		5.1Msz
HFS		85.57	29 eP	28 39.70	0.0
		0.6s	5.00nm		4.8mb
	Z	21s	1.02um		5.2Msz
			LR	59 21.00	
BSF		85.70	42 iPc	28 40.30	-0.5
		1.1s	19.80nm		5.1mb
ECH		85.83	41 P	28 41.09	-0.2
CDF		85.85	41 iPc	28 41.30	-0.2
		0.9s	10.00nm		4.9mb
LOMF		85.86	42 P	28 41.35	-0.3
WLS		85.89	41 P	28 41.69	0.0
MOF		85.92	42 P	28 41.51	-0.4
TNS		86.04	39 ePc	28 42.90	0.5
TIC		86.16	84 P	28 44.16	0.6
		1.1s	57.00nm		5.6mb
LIC		86.26	85 P	28 44.62	0.6
		1.1s	80.50nm		5.8mb
	Z	20s	1.74um		5.5Msz
LPL		86.33	44 iPc	28 44.70	0.6
		1.0s	14.60nm		5.1mb
LPG		86.35	44 iPc	28 44.80	0.5

		1.5s	39.15nm		5.3mb
FEL		86.48	42 P	28 44.49	-0.2
KIC		86.50	84 Pd	28 45.84	0.6
		0.9s	55.00nm		5.7mb
COP		86.53	33 eP	28 48.00	3.5X
Z		19s	0.63um		5.0Msz
RRL		86.54	45 P	28 45.50	0.3
DIX		86.62	43 ePd	28 46.70	1.1
LSD		86.63	44 P	28 46.28	0.6
LRG		86.66	46 iPc	28 45.70	0.2
		0.9s	33.25nm		5.5mb
Z		22s	0.73um		5.0Msz
RSP		86.79	44 P	28 46.83	0.6
LMR		86.80	46 iPc	28 46.20	0.0
		0.9s	34.25nm		5.5mb
SLE		86.82	42 eP	28 46.50	0.3
FRF		86.83	46 iPc	28 46.40	0.1
		0.8s	27.25nm		5.5mb
ZLA		86.84	42 ePd	28 46.70	0.4
PZZ		86.87	45 P	28 47.37	0.7
BHB		86.88	45 eP	28 46.28	-0.3
MMK		86.99	43 ePd	28 48.80	1.4
STV		87.10	45 P	28 47.92	0.2
TOUF		87.12	45 P	28 47.17	-0.8
ENR		87.17	45 P	28 47.79	-0.3
AURF		87.21	45 P	28 47.47	-0.8
SBF		87.29	45 iPc	28 49.60	1.0
		0.9s	23.75nm		5.4mb
SAOF		87.34	45 P	28 47.34	-1.4
SDF		87.35	20 eP	28 48.00	-0.4
LLS		87.42	42 ePd	28 50.40	1.0
ROB		87.46	45 P	28 49.02	-0.4
UPP		87.50	28 iP	28 50.10	1.0
TMA		87.58	43 ePd	28 50.60	0.5
IMI		87.59	45 P	28 49.98	-0.1
FIN		87.72	45 P	28 49.85	-0.8
MOX		87.82	38 eP	28 51.40	0.5
		1.5s	15.00nm		4.9mb
Z		19s	1.00um		5.2Msz
PCP		87.85	45 P	28 50.85	-0.4
VDL		87.85	43 ePd	28 52.50	1.1
GRF		87.91	39 iPc	28 52.20	0.8
		1.1s	16.00nm		5.1mb
Z		18s	0.90um		5.2Msz
OSS		88.23	42 eP	28 54.00	0.8
CLL		88.41	37 eP	28 55.00	1.3
PGF		88.78	46 iPc	28 55.50	-0.3
		0.9s	25.05nm		5.5mb
BRG		89.12	37 iP	28 57.70	0.6
		1.0s	12.00nm		5.1mb
Z		17s	1.00um		5.3MszX
N		17s	0.10um		
E		17s	0.69um		
			i	28 59.00	
PET		89.40	325 eP	29 00.00	1.6
KHC		89.54	39 eP	29 00.00	0.8
		1.1s	8.00nm		4.9mb
Z		18s	1.00um		5.3Msz
N		18s	0.30um		
E		18s	0.70um		
			e	29 10.50	
TIK		89.71	348 iPc	29 00.50	1.0
			i	29 10.00	
GEC2		89.72	39 ePc	29 00.50	0.4
		0.9s	7.49nm		4.9mb
			eP	29 07.50	22kmX
PRU		89.81	38 eP	29 00.70	0.4
		0.9s	10.00nm		5.1mb
Z		17s	1.10um		5.4MszX
N		12s	0.20um		
E		18s	1.30um		
CEY		91.34	42 eP	29 08.00	0.4
VBY		91.97	42 eP	29 10.50	0.1
OJC		92.79	36 eP	29 16.00	1.9
UZH		94.97	37 eP	29 27.00	2.8
		1.0s	45.00nm		5.9mb
			e	29 34.10	
YAK		96.83	341 iPd	29 32.80	0.4
		1.0s	30.00nm		5.8mb
OBN		98.65	27 eP	29 42.00	1.3
		1.0s	18.00nm		5.6mb
ZAK		113.95	349 ePKP	34 41.00	0.3
		1.2s	6.00nm		
WMQ		122.04	360 PKP	34 56.60	0.1
GRM		122.17	120 ePKP	34 59.00	2.0
		0.9s	57.00nm		
KSR		122.61	112 ePKP	34 58.00	-0.2

TIY	0.7s	25.00nm			
SLR	123.00	336 ePKP	34 58.20	-0.3	
	123.86	111 ePKP	35 00.70	0.0	
	0.8s	20.00nm			
BUL	123.94	105 iPKP	35 01.50	0.6	
NJ2	124.76	327 PKPc	35 06.80	4.9X	
GTA	125.18	348 ePKP	35 03.00	0.2	
KSH	125.37	11 ePKP	35 03.00	-0.1	
Z	20s	1.24um		5.6Msz	
E	20s	1.62um			
LZH	127.37	343 PKP	35 08.40	1.2	
	Z	26s	0.71um	5.2MszX	
		sPKP	36 12.00		
		PP	37 03.80		
XAN	127.58	337 PKP	35 07.50	0.0	
STK	127.65	241 ePKP	35 07.30	-0.3	
CD2	132.22	341 ePKP	35 18.00	1.6	
PLP	134.79	302 ePKdiff32	17.80	-4.8X	
WB2	134.80	256 iPKPd	35 21.00	-0.5	
	0.5s	7.30nm			
ASPA	135.14	251 ePKP	35 21.00	-1.1	
		ePKS	38 50.90		
GYA	135.20	335 PKP	35 22.60	0.3	
NDI	136.05	13 iPKPc	35 25.00	1.3	
KMI	137.89	339 PKPc	35 27.50	-0.1	
POI	144.68	22 iPKPc	35 41.00	1.6	
CHTO	145.02	340 iPKPc	35 39.10	-0.8	
	1.1s	47.11nm			
BDT	146.47	339 ePKP	35 43.00	0.7	
	0.5s	110.50nm			
HYB	147.21	15 ePKPc	35 46.20	2.6X	
	0.8s	107.10nm			
NST	147.50	336 ePKP	35 42.50	-1.5	
MBL	148.32	253 ePKP	35 48.00	2.8X	
	0.7s	16.00nm			
NNT	150.45	335 ePKP	35 53.60	5.0X	
GBA	150.50	20 PKP	35 52.30	3.6X	
	0.7s	35.00nm			
KOD	153.64	22 ePKP	35 45.20	-8.5X	
SNG	154.78	327 ePKP	35 51.00	-3.8X	
	S.D. = 0.9	on 290 of 308 obs.			

& SEP 03, 1993 03h 19m 21.10s
35.788 N 121.208 W
DEPTH = 1.0km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.7 (GM).

PRS	0.56	346 iPd	19 32.59	0.3	
PRI	0.56	51 iP	19 32.98	0.6	
PHAM	0.66	86 iPc	19 34.37	0.1	
LLA	0.85	14 iP	19 38.74	0.6	
SAO	0.99	349 eP	19 40.94	0.2	
		eS	19 57.75		
BCH	1.10	123 eP	19 41.92	-0.7	
		eS	19 58.88		
COE	1.51	346 eP	19 49.24	-0.2	
ARN	1.58	351 eP	19 52.29	1.9	
ABL	1.87	119 eP	19 54.09	-0.7	
MMPM	2.53	43 eP	20 04.57	0.3	
MEMM	2.61	44 eP	20 07.23	2.1	

11 obs. associated

SEP 03, 1993 03h 42m 21.16± 1.10s
51.579 N ± 9.4km 16.202 E ± 5.8km
DEPTH = 11.0 ± 2.5 km
POLAND (548)
ML 3.8 (GRF), 3.7 (VIE).

KSP	0.74	176 iPd	42 35.50	-0.1	
	0.3s	46.00nm			
		iS	42 45.00		
BRG	1.58	244 iPn	42 49.30	0.1	
		iPg	42 51.10		
		iSg	43 10.80		
PRU	1.91	214 Pn	42 53.90	0.0	
	0.6s	143.00nm			
		Pg	42 55.60		
		e	43 11.80		
		Sg	43 18.60		
CLL	2.02	264 iPn	42 55.30	-0.2	
		iPg	42 58.80		
		iSg	43 24.50		
VRAC	2.29	174 ePn	43 00.30	0.9	
	0.4s	18.70nm			
		e	43 01.70		

OJC	2.65	119 eSg	43 33.80		
		eP	43 04.50	-0.1	
		eS	43 48.00		
KHC	2.97	215 Pn	43 09.30	0.2	
		ePg	43 16.40		
		eSn	43 42.50		
		eSg	43 52.60		
HOF	3.01	247 iPnd	43 09.70	0.0	
MOX	3.04	254 ePn	43 10.00	0.0	
		iPg	43 18.50		
		iSg	43 57.80		
GEC2	3.17	211 Pn	43 13.00	1.0	
		Pg	43 18.50		
		Sg	43 59.50		
WET	3.23	222 ePn	43 13.40	0.6	
VKA	3.32	179 iPg	43 23.40	9.3X	
		iSg	44 06.60		
SPC	3.52	131 iP	43 29.70	12.6X	
		i(Sg)	44 23.40		
GRF	3.69	241 ePn	43 19.50	0.2	
		ePg	43 31.40		
		e(Sn)	44 05.50		
		eSg	44 17.90		
FUR	4.67	225 ePn	43 40.50	7.2X	
KBA	4.88	204 iPnc	43 36.10	-0.2	
		iSg	44 56.50		
TNS	5.09	258 ePnc	43 39.70	0.5	
		ec	43 45.10		
		eSn	45 06.90		
		id	45 14.20		
WATA	5.21	217 iPnc	43 40.70	-0.2	
		i	45 03.30		
WTTA	5.25	216 iPnc	43 40.90	-0.6	
		iSg	45 09.00		
VEY	6.11	186 ePn	43 53.20	-0.3	
	S.D. = 0.5	on 17 of 20 obs.			

SEP 03, 1993 03h 42m 31.97± 0.84s
45.519 N ± 6.1km 26.636 E ± 8.2km
DEPTH = 109.7 ± 11.1 km
4.1mb (2 obs.)

ROMANIA (358)
Felt (III) in the Vrancea region
and (II) at Bucharest.

VRI	0.36	10 iPc	42 48.00	-0.2	
ISR	0.39	190 iPd	42 48.50	0.1	
MLR	0.49	267 iPc	42 48.00	-1.1	
CFR	1.12	107 iPc	42 54.50	-0.2	
CLI	1.13	23 iPc	42 54.00	-0.8	
CMP	1.15	258 iPc	42 56.00	0.9	
BUC1	1.25	200 iPd	43 14.00	17.9X	
TLB	1.36	133 iPd	42 57.50	0.1	
PTT	1.43	353 eP	42 59.50	1.2	
PSN	2.14	148 iPd	43 08.00	0.7	
PVL	2.48	203 iP	43 13.00	1.3	
JMB	3.05	181 iP	43 19.00	-0.4	
BZS	3.53	273 eP	43 16.50	-9.3X	
KDZ	3.97	193 iP	43 32.00	0.2	
RZN	4.08	201 eP	43 32.00	-1.5	
SLE	12.67	287 eP+	45 47.60	18.4X	
ZLA	12.73	285 ePd	45 56.70	26.7X	
WTS	14.57	304 eP	45 46.00	-7.7X	
	0.7s	8.20nm		4.1mb	
ENN	14.77	298 e(P)	45 56.00	-0.3	
	0.9s	10.40nm		4.1mb	
	S.D. = 0.9	on 14 of 19 obs.			

SEP 03, 1993 04h 11m 00.74± 1.51s
31.564 N ± 15.6km 130.733 E ± 20.8km
DEPTH = 130.0km (geophysicist)
KYUSHU, JAPAN (235)

KAGJ	0.40	161 P	11 19.10	-0.4	
		S	11 35.30		
KUMJ	0.97	5 P	11 24.80	1.2	
		S	11 46.50		
SHNJ	2.57	7 P	11 42.10	-0.3	
TKSJ	3.69	48 P	11 57.00	-0.1	
		S	12 41.00		
YONJ	4.28	32 P	12 03.70	-1.3	
		S	12 54.50		
WKYJ	4.87	56 P	12 14.10	1.0	
	S.D. = 1.2	on 6 of 6 obs.			

* SEP 03, 1993 04h 43m 02.33± 1.11s
14.540 N ± 20.3km 92.883 W ± 8.4km

DEPTH = 53.8 ± 11.0 km
4.1mb (7 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.4 (GCG).

TPX	0.70	59 iP	43 17.20	0.8	
		(S)	43 35.00		
JAT	1.23	100 iPc	43 23.42	0.0	
		iS	43 44.46		
SCX	2.20	6 iP	43 41.00	4.0X	
		iS	44 12.00		
GCG	2.28	89 iPc	43 39.02	0.7	
		iS	44 10.92		
IXG	2.38	98 iPd	43 39.45	-0.4	
		iS	44 15.77		
YUP	3.00	96 iPd	43 48.50	-0.3	
OXX	4.48	305 iP	44 08.00	-1.5	
		(S)	45 02.00		
LVVM	6.19	327 eP	44 29.50	-3.9X	
IIT	6.84	311 (P)	44 45.00	2.2X	
PPM	7.11	310 iP	44 48.00	1.3	
		(S)	46 09.00		
III	7.38	302 iP	44 49.00	-1.2	
MRX	9.46	304 eP	45 18.50	-0.2	
LTX	17.78	328 eP	47 08.99	1.2	
UYO	19.59	356 iPd	47 28.00	-1.0	
MIAR	19.93	358 eP	47 31.69	-0.8	
	0.7s	10.40nm		4.3mb	
MYNC	21.91	20 eP	47 50.59	-2.1	
	0.5s	3.27nm		4.0mb	
ALQ	23.71	331 (P)	48 11.98	1.5	
	0.8s	2.13nm		3.7mb	
TUC	24.07	320 iPd	48 17.96	4.1X	
	0.8s	3.91nm		4.0mb	
GOL	27.36	339 eP	48 45.34	0.7	
	0.8s	3.76nm		4.1mb	
PV08	27.70	333 eP	48 49.37	1.5	
PV10	27.71	332 eP	48 51.27	3.4X	
PV09	27.85	332 eP	48 52.98	3.8X	
LRM	35.27	336 eP	49 54.20	0.0	
		e	49 57.40		
YKA	50.31	347 eP	51 55.00	-0.3	
	0.7s	4.40nm		4.6mb	
INK	59.68	344 ePd	53 03.20	0.0	
	0.6s	2.00nm		4.4mb	
GBA	150.44	19 PKP	02 50.00	5.3X	
	S.D. = 1.1	on 19 of 26 obs.			

SEP 03, 1993 05h 00m 46.24± 0.24s
23.989 N ± 4.3km 126.418 E ± 4.4km
DEPTH = 36.8km (9 depth phases)
5.1mb (66 obs.) 4.6Msz (5 obs.)
SOUTHEAST OF RYUKYU ISLANDS (239)
Mw 5.3 (HRV).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centroid Location:
Origin Time 05:00:42.6 0.7
Lat 23.84N 0.09 Lon 126.87E 0.13
Dep 25.2 5.3 Half-duration 1.2
Moment Tensor: Scale 10**16 Nm
Mrr=-4.99 0.94 Mtt= 4.01 0.64
Mff= 0.98 1.36 Mrt= 9.75 2.36
Mrf= 0.86 1.19 Mtf= 1.42 0.83
Principal Axes:
T Val= 10.54 Plg=32 Azm=348
N 0.69 5 82
P -11.22 57 180
Best Double Couple: Mo=1.1*10**17
NP1: Strike= 60 Dip=14 Slip=-113
NP2: 263 77 -85

QZH	7.19	279 eP	02 29.00	-2.7	
	13s	6.90um			
CVP	7.59	215 eP	02 34.00	-3.2X	
		eS	02 46.00		
KAGJ	8.19	28 P	02 39.70	-5.9X	
		S	04 07.40		
SSE	8.46	328 Pd	02 47.00	-2.4	
	0.6s	68.00nm		5.9mb	
	N	14s	5.00um		
	E	14s	5.30um		
		pP	02 52.50		
BCP	9.30	217 eP	03 01.00	-0.1	
		eS	04 41.20		
BAG	9.32	217 eP	03 00.00	-1.4	

03d 05h

KUMJ	9.36	24	P	02	56.50	-5.2X	Z	20s	1.62um	4.4Msz	0.5s	19.40nm	5.2mb		
			S	04	39.20		N	11s	1.12um			ipP	09 06.30 49kmX		
NJ2	10.44	322	Pc	03	15.00	-1.6	E	11s	0.87um		ASH	45.02 302 eP	09 02.90 2.6		
	1.0s	31.00nm			5.5mb			pP	05 31.50	17kmX	Z	15s	0.97um	4.9MszX	
Z	13s	2.41um			4.1MszX			S	09 14.00		N	13s	1.13um		
SHNJ	10.90	21	P	05	07.00		CD2	21.24 294 iPc	05 31.40	0.0	E	13s	1.47um		
		S	05	17.80	-5.0X		Z	12s	3.61um	5.0MszX		pP	09 13.00	34km	
TKSJ	11.98	32	P	03	29.70	-7.8X	E	11s	2.25um			sP	09 17.00		
WHN	12.56	304	eP	03	43.00	-2.2		S	09 25.50		HYB	45.08 271 eP	09 01.20	0.3	
Z	12s	5.05um					TSM	21.24 204 eP	05 31.00	-0.5	QIS	46.10 163 iPc	09 07.60	-1.2	
E	14s	3.57um					BTO	21.54 324 P	05 32.00	-2.4	FRU	46.38 307 ePd	09 12.00	1.1	
YONJ	12.73	27	P	03	39.70	-7.7X		1.0s	36.00nm	4.7mb		1.5s	50.00nm	5.2mb	
WKYJ	12.96	36	P	03	43.80	-6.8X	N	14s	0.97um		Z	15s	1.50um	5.1MszX	
TSRJ	14.18	34	P	04	01.80	-4.8X	E	14s	2.85um		GBA	47.30 267 P	09 18.60	0.2	
		eS	06	33.90				pP	05 38.50	24kmX		1.0s	4.00nm	4.4mb	
TIA	14.59	329	Pd	04	12.30	0.4		ePP	05 58.00		TIK	47.69 1 iPc	09 20.00	-0.7	
	1.0s	33.00nm			4.8mb			S	09 27.00			1.4s	120.00nm	5.7mb	
Z	13s	4.42um					KMI	21.56 278 Pd	05 36.00	1.1	Z	16s	1.50um	5.1MszX	
N	11s	1.27um						1.5s	250.00nm	5.4mb		i	09 31.00	38km	
E	11s	2.56um					Z	16s	3.10um	4.8MszX	CTA	47.88 155 iPc	09 22.00	-0.9	
		S	06	56.00			N	11s	0.70um			1.5s	48.61nm	5.3mb	
IIDJ	15.18	38	eP	04	22.10	2.4		E	11s	1.00um		ipP	09 32.50	36km	
DL2	15.42	346	eP	04	21.00	-1.7	MRRJ	22.04 30 eP	05 39.50	0.3	ASPA	47.92 171 iPd	09 22.00	-1.2	
	1.0s	260.00nm			5.4mb		LZH	22.90 307 Pd	05 47.50	-0.5		0.5s	16.80nm	5.3mb	
Z	12s	2.75um			4.3Msz			1.6s	65.00nm	4.9mb	KOD	48.50 262 eP	09 29.00	0.8	
N	12s	2.66um					Z	14s	3.20um	4.9MszX	COOL	54.79 186 eP	10 12.50	-2.3	
E	12s	2.68um					E	12s	1.90um		ILT	55.02 22 iPd	10 18.80	2.7	
MTMJ	15.93	35	eP	04	32.00	2.6		sP	06 03.00			1.2s	84.00nm	5.6mb	
MAT	16.11	36	(P)	04	26.00	-5.7X		S	09 53.00		SVE	57.04 323 iPc	10 29.60	-1.2	
	1.3s	23.08nm			4.1mb		HOOJ	23.07 33 eP	05 47.00	-2.4		1.2s	80.00nm	5.6mb	
		eS	07	41.00			LOE	23.98 259 eP	06 01.00	2.5		e	10 41.00	39km	
QIZ	16.19	255	eP	04	34.00	1.3	ASAJ	24.08 30 eP	05 56.70	-2.5		eS	18 23.00		
		1.45um					KUSJ	24.31 34 eP	06 00.30	-1.1	NWAO	57.27 189 eP	10 31.40	-1.2	
CHJJ	16.20	39	eP	04	29.80	-2.9X	NST	26.04 256 iPd	06 18.80	0.8	STK	57.42 165 eP	10 31.40	-2.2	
		eS	07	40.00			CHTO	26.07 264 ePd	06 18.70	0.4		0.5s	6.40nm	4.9mb	
DAV	16.82	183	eP	04	46.00	5.2X		1.0s	38.25nm	4.9mb	ARU	58.13 323 eP	10 37.00	-1.4	
KAKJ	17.00	41	eP	04	39.10	-3.7X	YSS	26.43 26 ePc	06 18.80	-2.5		1.5s	80.00nm	5.6mb	
NIJJ	17.06	36	eP	04	40.00	-3.5X		0.9s	60.00nm	5.2mb	Z	16s	1.00um	5.0MszX	
SNY	17.95	353	iPc	04	52.80	-1.7	Z	16s	0.90um	4.4MszX	N	16s	0.50um		
	1.0s	230.00nm			5.3mb		E	15s	0.60um		E	14s	1.00um		
Z	14s	2.83um			5.2MszX			esP	06 32.00	241kmX		e	10 52.00	56kmX	
E	13s	1.73um						e	07 05.50			eS	18 37.00		
GYA	18.04	282	iPd	04	58.00	2.0	GTA	27.23 311 eP	06 28.00	-0.9	ASH	58.83 301 eP	10 42.60	-0.9	
	1.2s	49.00nm			4.5mb		Z	14s	2.96um	5.0MszX	ARMA	59.26 155 iPd	10 46.00	-0.6	
Z	14s	3.13um			4.3Msz		N	14s	1.13um			1.0s	9.00nm	4.9mb	
		pP	05	04.00				pP	06 42.50	60kmX		i	10 57.30	39km	
TIY	18.17	322	eP	04	57.00	-0.4	KUR	27.43 34 iP	06 24.00	-6.4X	BWA	61.74 159 eP	11 03.70	0.3	
	0.9s	160.00nm			5.2mb			1.0s	80.00nm	5.3mb		e	11 15.30	40km	
Z	14s	2.38um					CIT	29.64 344 eP	06 49.00	-1.4	CAN	62.75 159 eP	11 09.50	-0.6	
E	11s	1.47um					SNJ	29.86 240 eP	06 54.80	2.2	CNB	62.86 159 eP	11 07.50	-3.4X	
		S	08	18.00			IPM	31.16 236 ePd	07 04.80	0.7		0.9s	13.00nm	5.1mb	
BJI	18.19	334	eP	04	57.00	-0.5		0.8s	104.70nm	5.7mb	CRP	65.18 32 eP	11 24.06	-1.8	
	1.0s	150.00nm			5.1mb		ZAK	31.89 332 eP	07 06.00	-4.2X	PMR	66.59 31 (P)	11 32.98	-1.7	
Z	16s	1.75um			5.4MszX			1.4s	7.00nm	4.3mb		0.6s	12.96nm	5.2mb	
N	14s	2.05um					Z	12s	2.25um	5.1MszX	FBA	66.78 28 eP	11 33.68	-2.2	
		eS	08	16.00			N	12s	1.15um			0.6s	4.35nm	4.7mb	
XAN	18.26	307	P	04	58.00	-0.6	E	12s	3.26um		GRO	67.42 309 eP	11 45.00	4.7X	
	1.0s	36.00nm			4.5mb			eS	12 14.00			2.0s	240.00nm	5.9mb	
Z	12s	5.31um					TRT	34.25 205 ePc	07 29.50	-1.5	Z	18s	1.00um	5.1Msz	
N	12s	2.05um					GUN	36.55 285 P	07 51.60	0.7	N	15s	0.60um		
E	12s	3.61um						1.0s	96.00nm	5.7mb	E	12s	1.00um		
		pP	05	11.70			MTN	36.90 172 eP	07 50.50	-2.9					
YAMJ	18.30	36	P	04	57.60	-1.3	KKN	37.08 285 P	07 55.80	0.6	KLU	68.12 31 eP	11 42.97	-1.5	
VLA	19.61	12	iPd	05	11.00	-3.4X	DMN	37.25 285 P	07 57.70	1.0	ERE	69.00 306 eP	11 50.00	-0.3	
	1.1s	100.00nm			5.0mb			0.8s	46.00nm	5.4mb	KIV	69.40 310 eP	11 52.80	0.1	
CN2	19.78	358	eP	05	12.70	-3.5X	WMQ	37.30 312 P	07 56.30	-0.4		Z	16s	0.30um	4.6MszX
	1.0s	46.00nm			4.7mb			1.5s	28.00nm	4.9mb			eS	20 53.70	
Z	18s	0.83um			5.0MszX		Z	14s	1.82um	5.0MszX	MOS	69.86 323 eP	11 55.00	-0.1	
N	14s	1.26um					N	11s	0.70um			e	12 01.00	19kmX	
E	14s	1.28um					E	12s	0.71um			e	12 08.00		
		ePP	05	21.00	32km			pP	08 02.00	19kmX	OBN	70.58 322 eP	11 59.00	-0.5	
OFUJ	19.84	37	P	05	11.60	-5.2X		sP	08 05.10			1.2s	44.00nm	5.4mb	
AOMJ	20.26	32	eP	05	21.20	0.0	PET	37.85 32 eP	08 04.00	2.9X	Z	16s	0.60um	4.9MszX	
GUMJ	20.28	117	eP	05	20.10	-1.5		1.0s	60.00nm	5.4mb	E	24s	0.60um		
	1.3s	325.40nm			5.5mb		Z	20s	0.80um	4.5Msz		16s	0.60um		
PJG	20.28	117	e(P)	05	21.80	0.2	YAK	38.08 3 iPc	08 01.80	-1.0		i	12 13.00	49kmX	
GUA	20.34	117	e(P)	05	22.80	0.6		1.2s	301.00nm	6.0mb	INK	71.59 23 eP	12 04.00	-1.3	
	0.9s	389.92nm			5.8mb		Z	16s	1.50um	4.9MszX		1.0s	11.00nm	4.8mb	
		e	05	33.20	42km		N	16s	1.00um		SDF	71.85 336 eP	12 07.00	0.0	
KKM	20.36	210	ePc	05	15.00	-7.6X		E	16s	0.50um		UPP	78.44 331 iP	12 45.30	0.7
MDJ	20.74	6	eP	05	24.00	-2.2	NDI	44.10 287 eP	08 53.50	0.7	VRI	79.54 316 eP	12 51.00	0.1	
	1.0s	54.00nm			4.9mb		WRA	44.34 169 P	08 53.50	-1.3	SLL	80.01 332 eP	12 52.90	-0.2	
HHC	20.92	327	Pd	05	27.00	-1.2		0.9s	22.70nm	5.0mb		0.6s	7.80nm	4.9mb	
	1.2s	93.00nm			5.0mb		WB2	44.35 169 iPd	08 53.10	-1.7	MLR	80.19 315 eP	12 54.00	-0.6	

03d 05h

NB2	80.58	333	P	12	55.80	-0.4	ALN	1.18	310	iPg	48	52.93	0.2	IZM	0.79	199	iPg	03	29.40	0.0	
	0.8s	4.00nm				4.5mb				eSg	49	07.02		DST	0.93	60	ePn	03	31.70	-0.1	
YKA	81.24	24	eP	12	58.50	-1.1	DST	1.19	117	iPn	48	53.80	0.9	EDC	1.22	10	ePn	03	36.50	-0.1	
	0.8s	4.30nm				4.5mb	CTT	1.34	42	iPn	48	55.50	0.1	BNT	1.23	12	ePn	03	36.90	0.0	
OJC	81.85	322	eP	12	57.20	-5.8X	ISK	1.65	56	iPn	48	58.90	-1.0	KCT	1.25	28	ePn	03	37.40	0.2	
			e	13	07.10	31km	IZM	1.75	180	iPn	49	00.40	-0.9		S.D. = 0.1	on	5	of	5	obs.	
SPC	82.07	320	eP	13	05.80	1.4	HRT	1.96	69	ePn	49	04.40	0.0								
			e	16	18.00		GPA	2.35	86	ePn	49	10.00	0.1	% SEP 03, 1993 08h 05m 09.93± 0.86s							
KSP	83.50	323	eP	13	13.50	1.9	OUR	2.51	275	ePn	49	12.10	0.0	39.206 N ± 7.0km	27.746 E ± 8.4km						
VAY	84.20	313	iP	13	15.60	0.3	CIN	2.63	165	eP	49	23.00	9.1X	DEPTH = 5.0km	(geophysicist)						
BRG	84.76	324	iP	13	18.40	0.5	SRS	2.95	290	iPn	49	17.90	-0.5	TURKEY						(366)	
	1.2s	11.00nm				4.9mb				eSn	49	54.50		ML 2.7 (ISK).							
PRU	84.91	323	eP	13	19.00	0.4	KNT	3.46	288	iPn	49	25.78	0.1								
	Z 18s	0.30um				4.7MsZ				iSn	50	05.02		DST	0.79	59	ePg	05	25.70	-0.1	
			e	13	38.00	69kmX	GRG	3.78	284	ePn	49	30.98	0.7								
CLL	85.03	325	iP	13	19.80	0.6	MLR	5.43	350	eP	49	56.00	2.3X	IZM	0.89	205	ePg	05	27.40	-0.1	
	1.7s	21.00nm				5.0mb		S.D. = 0.5	on	14	of	16	obs.	EDC	1.14	4	ePn	05	31.00	-0.8	
GMW	85.56	39	eP	13	23.24	1.3								KCT	1.14	24	iPn	05	32.90	1.1	
KHC	85.89	323	P	13	24.50	0.9	* SEP 03, 1993 06h 51m 53.47± 1.72s							BNT	1.16	7	ePn	05	31.40	-0.6	
	1.4s	7.00nm				4.7mb	14.292 N ± 29.4km	92.982 W ± 10.8km						EZN	1.26	300	iPn	05	34.10	0.3	
			e	13	42.50	64kmX	DEPTH = 33.0km	(normal)						MFT	1.62	347	ePn	05	39.40	0.1	
			e	13	52.00		4.2mb (1 obs.)								S.D. = 0.8	on	7	of	7	obs.	
GEC2	85.98	322	eP	13	24.70	0.6	NEAR COAST OF CHIAPAS, MEXICO (69)														
	1.3s	4.56nm				4.6mb	MD 4.4 (GCG).							? SEP 03, 1993 08h 34m 35.92± 1.80s							
			e	13	32.30	24kmX								41.061 N ± 17.6km	7.910 W ± 21.9km						
			e	13	39.90									DEPTH = 10.0km	(geophysicist)						
			e	13	44.30		TPX	0.93	49	iP	52	10.50	0.4	PORTUGAL						(376)	
			e	13	49.80									mbLg 3.1 (MDD).							
RMW	86.18	39	eP	13	26.00	0.9	JAT	1.30	89	iPd	52	16.60	1.1								
LON	86.55	40	eP	13	27.72	0.8	GCG	2.39	83	iPd	52	32.55	1.2	EZAM	1.24	332	eP	34	58.50	-0.4	
AKU	86.58	346	iP	13	46.60	20.0X	SCX	2.45	8	iP	52	34.50	2.5X								
	1.2s	25.00nm								iS	53	04.00									
VBV	86.83	319	e(P)	13	34.60	6.3X	IXG	2.45	92	iP	52	31.31	-0.9	ERUA	1.45	23	eP	35	02.00	-0.2	
GRF	86.87	324	eP	13	29.80	1.4				iS	53	09.48									
	Z 22s	0.30um				4.7MsZ	YUP	3.09	91	iPd	52	40.82	-0.4	EPLA	1.71	125	eP	35	06.00	0.0	
			e	13	42.50	64kmX	OXX	4.55	308	eP	53	01.50	-0.5								
DPW	88.00	37	eP	13	34.63	0.7				(S)	53	51.50		STS	1.88	346	eP	35	09.00	0.6	
FHC	88.27	46	eP	13	37.32	2.0	IIT	6.94	313	(P)	54	04.00	28.2X								
	0.9s	34.06nm				5.6mb	PPM	7.20	312	iP	53	41.00	1.4		S.D. = 0.7	on	4	of	4	obs.	
KMPM	88.37	46	eP	13	37.94	2.1	III	7.43	304	eP	53	44.00	1.4								
NEW	88.37	37	eP	13	36.28	0.6	LRM	35.46	336	eP	58	48.80	-0.3	* SEP 03, 1993 08h 44m 26.94± 2.06s							
	1.0s	23.66nm				5.4mb	YKA	50.53	347	eP	00	48.20	-2.2	6.990 S ± 11.4km	129.602 E ± 10.6km						
LGPM	88.96	45	eP	13	40.23	1.5				0.7s	2.00nm	4.2mb		DEPTH = 109.8 ± 20.4 km							
LBFM	89.34	44	eP	13	42.00	1.3	INK	59.89	344	eP	01	57.00	-1.1	4.9mb (4 obs.)							
ORV	90.54	46	eP	13	48.56	2.6		S.D. = 1.3	on	11	of	13	obs.	BANDA SEA						(280)	
LPL	91.78	322	eP	13	53.00	1.1															
	1.0s	14.60nm				5.4mb	? SEP 03, 1993 06h 54m 13.50± 0.90s							MTN	6.01	166	eP	45	55.10	0.2	
LPG	91.78	322	eP	13	53.20	1.3		10.226 N ± 30.9km	67.200 W ± 24.3km												
	0.7s	6.50nm				5.2mb		DEPTH = 10.0km	(geophysicist)						0.3s	240.00nm				5.9mb X	
CMB	92.09	47	eP	13	54.70	1.5	NEAR COAST OF VENEZUELA (97)														
	0.9s	6.13nm				5.0mb															
SBF	92.37	321	eP	13	54.90	0.5	GUAC	0.08	244	iP	54	15.90	-0.2	KNA	8.74	185	eP	46	56.00	-0.2	
	1.0s	23.20nm				5.6mb	CAR	0.39	44	iP	54	21.60	0.1								
LRM	92.39	37	eP	13	55.20	0.5				iS	54	27.10		WB2	13.68	161	iPc	47	33.40	-4.1X	
FRF	93.01	321	eP	13	58.40	1.1	LLAV	0.46	57	iPc	54	22.70	-0.1								
	0.9s	8.50nm				5.2mb				iS	54	30.90		QIS	16.61	145	eP	48	13.60	-1.0	
LMR	93.23	321	eP	13	59.30	1.0	GUAN	1.55	100	eP	54	43.30	2.0X								
	1.2s	26.50nm				5.5mb				iS	55	05.90		MBL	16.96	213	eP	48	20.20	1.2	
LRG	93.24	321	eP	13	59.40	1.1	CEOS	1.63	223	iPc	54	42.60	0.2								
	1.2s	22.90nm				5.5mb				iS	55	03.60		ASPA	17.09	166	eP	48	20.10	-0.4	
BONR	93.51	46	eP	14	01.81	1.8	TOV	2.59	261	ePn	55	04.90	8.7X								
TNP	94.14	45	eP	14	05.25	2.4		S.D. = 0.3	on	4	of	6	obs.								
	0.8s	7.21nm				5.2mb	% SEP 03, 1993 07h 45m 16.49± 0.79s							NANU	20.58	220	eP	48	59.20	0.1	
DUG	95.65	41	eP	14	11.04	1.3		40.221 N ± 7.6km	27.255 E ± 5.8km												
	1.1s	4.62nm				4.9mb	DEPTH = 10.0km	(geophysicist)							0.3s	10.00nm				4.6mb	
BW06	95.93	38	eP	14	12.27	1.2	TURKEY								CTA	20.75	131	iPc	49	02.00	1.2
GSC	96.00	47	eP	14	14.16	2.9X		ML 2.8 (ISK).								1.0s	10.00nm			4.1mb	
PV10	99.07	41	eP	14	26.25	0.9								MRWA	25.56	208	eP	49	46.50	-0.8	
LPAZ	164.35	63	PKPd	20	49.00	0.7															
LPB	164.50	64	PKP	20	50.00	1.8															
	1.0s	16.00nm					EDC	0.48	75	iPg	45	26.00	-0.3								
CNCB	164.74	65	(PKP)	20	46.00	-2.6X				eSg	45	33.00		KKN	55.03	311	P	53	49.40	-0.5	
SIV	169.38	43	PKP	20	51.60	0.4	BNT	0.53	75	iPg	45	26.40	-0.8								
PPD	177.14	313	(PKP)	20	55.00	1.1				iSg	45	34.40									
	S.D. = 1.4	on	121	of	148	obs.	MFT	0.57	2	iPg	45	27.90	-0.1	BAL	26.43	206	eP	49	55.00	-0.2	
										eSg	45	35.40		CHTO	39.64	311	eP	51	50.50	0.8	
SEP 03, 1993 05h 48m 30.69± 0.38s							EZN	0.82	241	iPg	45	32.10	-0.2	GUN	54.65	311	P	53	46.60	-0.7	
40.148 N ± 5.5km	27.250 E ± 2.9km									iSg	45	42.10									
DEPTH = 10.0km	(geophysicist)						KCT	0.84	88	ePg	45	32.90	0.1								
TURKEY						(366)	DST	1.22	120	ePn	45	39.70	0.4	FLN	120.90	324	ipdiff59	56.60	23.2X		
ML 3.7 (THE), 3.5 (ISK). Felt at							CTT	1.29	44	iPn	45	41.10	0.8		0.3s	1.55nm					
Biga.								S.D. = 0.6	on	7	of	7	obs.		0.5s	3.80nm					
							% SEP 03, 1993 08h 03m 13.98± 0.92s														
EDC	0.51	67	iPg	48	41.00	0.0		39.149 N ± 8.0km	27.583 E ± 15.1km												
			iSg	48	48.00			DEPTH = 10.0km	(geophysicist)												

03d 08h

OFF E. COAST OF S. ISLAND, N.Z. (164)

KHZ	0.66	17	Pc	52	41.40	2.0
			eS	52	50.50	
LTZ	0.79	289	Pd	52	41.00	-0.7
			S	52	49.50	
MQZ	0.80	214	P	52	45.10	3.2X
			S	52	57.50	
THZ	1.31	348	Pc	52	50.60	-0.1
			S	53	06.00	
WVZ	1.86	268	P	52	58.50	-0.1
TCW	1.98	22	P	53	00.90	0.6
WEL	2.08	33	eP	53	02.50	0.7
			eS	53	28.20	
MRW	2.10	31	P	53	02.70	0.6
MOW	2.19	43	P	53	04.10	0.7
QRZ	2.29	346	eP	53	04.70	-0.1
DIW	2.30	12	eP	53	05.50	0.6
BLW	2.34	45	P	53	06.00	0.4
CAW	2.35	35	P	53	06.20	0.5
KIW	2.50	30	P	53	08.40	0.6
MTW	2.51	42	P	53	08.00	0.1
ODZ	2.75	223	P	53	12.30	0.9
BWZ	2.87	238	P	53	13.00	0.0
MNG	2.93	35	P	53	13.70	-0.3
LMZ	3.00	256	P	53	14.60	-0.2
PGZ	3.30	44	P	53	18.60	-0.6
BSZ	3.48	22	P	53	22.40	0.8
LRCZ	3.48	233	P	53	21.30	-0.5
LSCZ	3.49	232	P	53	21.60	-0.3
SBCZ	3.51	233	P	53	21.90	-0.3
MHZ	3.51	234	P	53	21.80	-0.5
CMCZ	3.57	233	P	53	22.50	-0.5
TLC	3.71	233	P	53	24.30	-0.8
TUZ	3.90	221	P	53	28.00	0.3
WAHZ	4.07	36	P	53	28.80	-1.3
MSZ	4.19	245	P	53	30.60	-1.2
NGZ	4.25	25	P	53	32.80	0.1
MOZ	4.68	15	P	53	38.60	-0.2
SIZ	5.29	222	eP	53	46.60	-0.7
WLZ	5.47	20	eP	53	49.20	-0.7
URZ	5.60	33	eP	53	49.90	-1.9
NOZ	5.71	41	eP	53	51.90	-1.4
PUZ	6.25	39	eP	53	57.30	-3.7X
KUZ	6.57	17	eP	54	02.70	-2.7
HBZ	6.66	37	eP	54	03.20	-3.5X
WCZ	7.15	7	eP	54	12.60	-0.9
OUZ	7.82	2	eP	54	22.80	-0.1
CNB	20.04	285	eP	57	06.20	3.8X
DZM	21.68	343	iPc	57	19.10	-0.3
TOO	21.83	275	eP	57	25.90	5.1X
BRS	22.81	307	iPc	57	36.50	5.9X
	1.0s	6.00nm			4.1mb	
		i		57	50.00	
CTA	32.22	307	iPc	58	59.00	2.0
ASPA	37.72	288	eP	59	46.00	2.0
	1.4s	14.90nm			4.6mb	
	Z	20s	0.30um		4.1msz	
WB2	39.90	293	eP	00	03.60	1.3
	0.6s	3.20nm			4.2mb	
WRA	39.91	293	P	00	03.00	0.7
	1.5s	2.60nm			3.7mb	
NVL	65.71	187	iPc	03	15.00	2.2
	1.0s	29.00nm			5.4mb X	
		e		09	46.00	
OBN	149.67	309	ePKP	12	16.00	3.8X
	1.4s	24.00nm				
		e		12	20.00	
SDF	149.83	335	ePKP	12	16.00	3.9X
	S.D. = 1.0	on 44 of 52 obs.				

* SEP 03, 1993 09h 20m 44.72± 0.56s						
44.382 N ± 5.0km 7.402 E ± 5.0km						
DEPTH = 10.0km (geophysicist)						
NORTHERN ITALY (545)						
ML 2.0 (GEN).						
STV	0.15	202	P	20	48.46	0.2
			S	20	51.04	
ENR	0.16	175	P	20	48.47	0.1
			S	20	50.95	
PZZ	0.25	300	P	20	49.91	-0.2
			S	20	53.88	
ROB	0.35	104	P	20	51.50	-0.4
			S	20	56.99	
BHB	0.47	348	P	20	54.26	0.0
			S	21	00.33	

IMI	0.59	143	P	20	56.67	0.0
			S	21	05.09	
FIN	0.60	106	P	20	56.67	-0.3
			S	21	05.28	
PCP	0.83	79	P	21	01.54	0.7
	S.D. = 0.4	on 8 of 8 obs.				

? SEP 03, 1993 09h 25m 51.48± 3.15s						
39.674 N ± 21.6km 29.588 E ± 16.5km						
DEPTH = 5.0km (geophysicist)						
TURKEY (366)						
ML 2.5 (ISK).						
IZI	0.67	352	ePg	26	04.40	-0.5
			eSg	26	13.90	
DST	0.74	265	ePg	26	06.00	-0.4
EYL	0.99	26	ePn	26	11.00	0.2
KCT	1.11	302	iPn	26	13.40	0.7
	S.D. = 0.9	on 4 of 4 obs.				

? SEP 03, 1993 09h 36m 13.86± 1.98s						
40.785 N ± 19.2km 29.272 E ± 7.5km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
ML 2.7 (ISK).						
IZI	0.47	161	iPg	36	23.30	-0.2
			eSg	36	31.00	
EYL	0.71	108	ePn	36	28.00	0.1
KCT	0.88	233	ePn	36	31.40	0.6
EDC	1.16	248	ePn	36	35.00	-0.5
	S.D. = 0.8	on 4 of 4 obs.				

SEP 03, 1993 09h 37m 20.92± 0.61s						
31.678 S ± 6.8km 68.219 W ± 6.0km						
DEPTH = 26.0 ± 7.6 km						
SAN JUAN PROVINCE, ARGENTINA (137)						
CFA	0.07	347	iPd	37	25.80	0.2
RTCV	0.33	236	iPd	37	28.70	0.2
RTLL	0.41	328	iPc	37	29.20	-0.5
			S	37	34.00	
ZON	0.41	289	iPd	37	29.70	-0.1
			eS	37	36.70	
RTCB	0.53	291	e(P)	37	32.00	0.3
RTRS	1.84	324	e(P)	37	54.50	3.2X
RTPR	2.01	47	eP	37	54.00	0.3
MRA	2.25	110	ePd	37	57.10	-0.1
			S	38	24.70	
RFA	3.09	184	ePc	38	09.00	-0.2
			S	38	57.50	
	S.D. = 0.4	on 8 of 9 obs.				

* SEP 03, 1993 09h 43m 48.72± 3.54s						
44.321 N ± 9.0km 8.057 E ± 34.7km						
DEPTH = 10.0km (geophysicist)						
NORTHERN ITALY (545)						
ML 2.7 (LDG).						
SAOF	0.49	227	Pg	43	58.34	-0.4
			Sg	44	06.94	
AUTN	0.56	235	Pg	43	59.77	-0.4
SBF	0.64	225	Pg	44	01.00	-0.6
			Sg	44	11.60	
TOUF	0.66	242	Pg	44	01.74	-0.2
AURF	0.68	231	Pg	44	02.00	-0.3
			Sg	44	13.48	
MVIF	0.78	237	Pg	44	04.14	0.2
CALN	1.02	236	Pg	44	08.60	0.6
FRF	1.27	234	Pg	44	12.80	0.5
			Sg	44	30.60	
LMR	1.49	229	Pg	44	15.70	0.1
			Sg	44	36.90	
LPG	1.50	322	Pg	44	15.90	0.0
LRG	1.50	235	Pg	44	16.50	0.8
			Sg	44	37.00	
LPL	1.52	322	Pg	44	16.00	-0.2
	S.D. = 0.5	on 12 of 12 obs.				

? SEP 03, 1993 09h 45m 00.52± 0.98s						
39.065 N ± 8.8km 27.573 E ± 9.9km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
ML 2.6 (ISK).						
IZM	0.71	200	ePg	45	14.40	-0.1
			eSg	45	25.40	

DST	0.98	56	ePg	45	19.70	0.5
EZN	1.23	309	iPn	45	23.60	0.2
KCT	1.33	27	ePn	45	24.40	-0.6
S.D. = 0.9 on 4 of 4 obs.						

SEP 03, 1993 10h 50m 54.07± 0.29s						
3.995 S ± 4.4km 34.059 E ± 5.8km						
DEPTH = 33.0km (normal)						
4.8mb (23 obs.) 4.9Msz (1 obs.)						
LAKE VICTORIA REGION (569)						
NAI	3.85	45	iPg	51	52.60	0.0
			eSg	52	08.90	
MTD	12.94	191	iPn	53	58.30	-0.1
BUL	16.91	198	iPn	54	56.13	6.1X
SLR	22.32	194	eP	55	46.50	-4.1X
	1.3s	130.00nm			5.2mb	
		S		00	50.00	
KSR	22.81	197	eP	56	03.00	7.6X
	1.0s	90.00nm			5.2mb	
		S		00	36.50	
SEK	24.96	194	eP	56	20.70	4.4X
	1.0s	60.00nm			5.1mb	
		S		01	19.00	
BLF	26.07	196	eP	56	26.00	-0.7
	1.0s	140.00nm			5.5mb	
		S		01	52.00	
FRS	26.92	197	eP	56	35.00	0.8
	1.3s	50.00nm			5.0mb	
		S		02	04.00	
KIC	40.08	285	P	58	28.49	0.0
	1.1s	11.00nm			4.5mb	
LIC	40.33	284	P	58	30.41	-0.1
	1.1s	22.50nm			4.8mb	
Z	22s	1.74um			4.9Msz	
TIC	40.42	285	P	58	31.33	0.1
	0.9s	33.00nm			5.1mb	
VOY	52.93	342	e(P)	00	10.30	0.8
LPG	54.95	337	eP	00	23.70	-0.9
	0.8s	4.05nm			4.5mb	
LPL	54.97	337	eP	00	23.90	-0.8
	1.2s	9.80nm			4.7mb	
GEC2	55.53	344	ePd	00	28.20	-0.3
	1.0s	3.79nm			4.4mb	
		e		00	34.60	
KHC	55.83	344	eP	00	30.50	0.0
	1.0s	5.40nm			4.5mb	
		e		00	36.50	
		e		02	06.50	
EPF	55.85	331	eP	00	31.30	0.5
	0.9s	3.30nm			4.4mb	
CAF	56.47	333	eP	00	35.70	0.5
	0.6s	3.05nm			4.5mb	
LPO	56.69	332	eP	00	37.00	0.3
	1.1s	8.05nm			4.7mb	
BSF	56.88	338	eP	00	37.90	-0.3
	0.8s	6.05nm			4.7mb	
GRF	57.01	343	eP	00	35.50	-3.5X
SMF	57.06	336	eP	00	39.10	-0.3
	1.0s	8.20nm			4.7mb	
LFF	57.09	332	eP	00	40.00	0.4
HAU	57.19	338	eP	00	40.10	-0.2
CDF	57.20	339	eP	00	39.90	-0.5
	0.8s	5.50nm			4.6mb	
MAF	57.26	334	eP	00	41.50	0.7
	1.3s	19.85nm			5.0mb	
AVF	57.38	335	eP	00	41.50	-0.1
	0.9s	10.15nm			4.9mb	
TCF	57.47	334	eP	00	43.00	0.8
	1.4s	28.75nm			5.1mb	
LOR	57.55	336	eP	00	42.50	-0.3
LSF	57.73	334	eP	00	43.80	-0.3
	1.0s	8.20nm			4.7mb	
DMN	58.35	54	P	00	49.20	0.1
KKN	58.57	54	P	00	50.60	0.1
	0.6s	15.00nm			5.3mb	
GUN	59.10	54	P	00	54.40	0.0
S.D. = 0.5 on 28 of 33 obs.						

SEP 03, 1993 12h 01m 11.13± 0.21s						
56.125 N ± 2.6km 158.172 W ± 2.7km						
DEPTH = 60.7km (23 depth phases)						
4.7mb (42 obs.)						
ALASKA PENINSULA (12)						
ML 5.1 (PMR). Felt (IV) at						
Chignik. Also felt at Chignik						
Lagoon.						

03d 12h

SPBA	1.52	240	eP	01	37.11	0.7	GLK	24.49	97	P	06	26.40	0.7	UYO	48.03	89	iPc	09	44.50	-1.3
SDN	1.53	240	ePd	01	38.14	1.6	ETW	24.60	94	P	06	27.39	0.7	CN2	48.17	289	eP	09	46.00	-0.8
			(S)	02	21.12		ASR	24.75	98	P	06	28.95	0.9		0.8s		3.80nm			4.4mb
CDD	3.72	39	eP	02	07.78	0.4	WTV	24.76	94	P	06	28.50	0.4	MIAR	48.24	88	eP	09	45.41	-2.0
			eS	02	54.34		NAC	24.82	96	P	06	29.64	0.9		0.8s		19.40nm			5.2mb
SYI	4.00	49	eP	02	10.76	-0.5	EBG	24.87	96	P	06	30.34	1.2	ELC	48.68	82	eP	10	07.16	
AUI	4.10	36	eP	02	13.59	0.9	SAW	25.06	93	P	06	31.01	0.0				eP	09	48.23	-2.6
			eS	03	01.66		SSOR	25.07	102	P	06	31.78	0.6				eP	10	04.55	64km
AUW	4.11	36	iP	02	14.08	1.2	VLL	25.12	100	P	06	32.50	0.9				eP	10	09.84	
AUH	4.12	36	eP	02	13.98	1.0	EPH	25.15	94	P	06	32.08	0.3	SNY	50.53	289	eP	10	04.40	-0.4
AUP	4.12	36	eP	02	13.97	0.9	GL2	25.29	98	P	06	34.01	0.8	BINY	52.34	68	(P)	10	15.56	-3.0X
AUL	4.14	36	eP	02	14.19	1.0	BVW	25.31	95	P	06	33.95	0.7				eP	10	29.77	53km
AUE	4.14	36	eP	02	14.18	1.0	VBEM	25.42	100	P	06	34.95	0.5				eP	10	38.41	
PDB	4.24	28	eP	02	15.26	0.6	WAH2	25.52	95	P	06	35.58	0.4	MYNC	53.12	80	eP	10	21.45	-3.0
OPT	4.41	35	eP	02	17.66	0.6	CRF	25.57	95	P	06	36.04	0.4		0.8s		13.08nm			5.0mb
INE	4.79	32	eP	02	22.89	0.4	BPO	25.63	101	P	06	36.90	0.4				eP	10	36.23	55km
ILIM	4.83	33	eP	02	23.45	0.4	OD2	25.63	93	P	06	36.18	0.0				eP	10	43.46	
HOM	4.97	42	eP	02	25.66	0.8	GBL	25.67	95	P	06	37.15	0.6	HHC	57.46	296	eP	10	55.80	-0.1
CNFM	5.04	45	eP	02	24.61	-1.3	RSW	25.72	96	P	06	37.84	0.7	BTO	58.43	297	eP	11	03.00	0.4
RED	5.16	31	eP	02	27.90	0.2	PRW	25.77	96	P	06	38.37	0.8	NB2	62.88	6	P	11	45.40	13.0X
RS2	5.20	31	eP	02	28.69	0.3	CROR	25.80	100	P	06	38.36	0.4		0.8s		2.50nm			
RSO	5.20	31	eP	02	28.53	0.1	NEW	26.03	90	eP	06	39.06	-0.9	HFS	63.91	5	eP	11	37.30	-1.8
RDW	5.20	31	eP	02	28.66	0.3		0.9s		43.66nm		5.0mb			0.4s		1.60nm			4.3mb
NCT	5.24	30	eP	02	28.70	0.0				eP	06	54.10	63km	XAN	64.02	293	P	11	39.50	-0.8
REF	5.24	31	eP	02	29.06	0.2				eP	07	00.46			1.4s		6.60nm			4.4mb
DFR	5.33	31	eP	02	30.49	0.5	VIPM	26.31	100	P	06	43.07	0.4	GTA	64.30	303	eP	11	41.50	-0.7
RTD	5.40	32	eP	02	30.93	0.0	LNOR	26.75	96	P	06	46.84	0.2		1.5s		20.00nm			4.9mb
BKG	5.84	29	eP	02	37.00	-0.2	LBFM	27.73	107	eP	06	55.52	-0.2	LZH	64.99	298	eP	11	46.00	-0.7
CKT	5.96	29	eP	02	39.01	0.1	MCMT	30.43	92	eP	07	19.20	-0.7		2.0s		50.00nm			5.2mb
BGL	5.97	28	eP	02	40.21	1.2				e	07	40.40	93kmX	EKA	67.05	15	Pd	11	59.60	0.2
SPU	5.99	30	eP	02	40.68	1.4	HHA1	31.66	94	eP	07	30.24	-0.3		1.1s		9.00nm			4.7mb
CP2	6.01	28	eP	02	39.78	0.1				eP	07	52.19		DCN	68.30	18	eP	12	06.80	-0.4
CRP	6.03	29	eP	02	39.34	-0.6	PTI	31.94	95	eP	07	33.22	0.2	CD2	69.15	294	eP	12	13.80	1.0
SLKM	6.07	40	eP	02	39.80	-0.5				eP	07	54.82		BRG	73.17	5	iP	12	36.20	-0.3
NGC	6.15	28	eP	02	41.95	0.5	BONR	32.09	107	eP	07	34.22	-0.4		1.1s		11.00nm			4.7mb
MPA	6.38	43	eP	02	43.75	-0.8				eP	07	49.46	62km	FLN	73.84	15	eP	12	39.60	-0.8
SUA	6.60	33	eP	02	47.12	-0.6	HVU	32.43	97	eP	07	37.04	-0.3		1.0s		8.80nm			4.6mb
PMS	6.82	38	eP	02	49.70	-1.0				e	07	52.94	65km	LDF	74.05	15	eP	12	40.90	-0.8
PWL	7.00	43	eP	02	50.09	-3.2X				e	07	58.44			1.0s		7.60nm			4.6mb
PMR	7.21	37	eP	02	53.46	-2.7X	TNP	32.58	106	eP	07	37.65	-1.1	GRF	74.18	7	ePd	12	43.20	0.7
			eS	04	09.70			0.9s		6.70nm		4.5mb	LPF	74.46	16	eP	12	43.70	-0.4	
GHO	7.41	36	eP	02	55.85	-3.1X				e	07	53.08	63km		1.4s		24.40nm			4.9mb
HIN	7.49	50	eP	02	56.95	-3.2X	DUG	33.49	99	eP	07	45.26	-1.2	KHC	74.89	6	P	12	47.50	0.9
FID	7.69	48	eP	02	58.97	-3.8X		1.1s		10.30nm		4.6mb		1.0s		5.40nm				4.4mb
CVA	7.89	51	eP	03	00.92	-4.6X	BW06	33.57	93	eP	07	45.67	-1.6				e	13	02.00	51km
SCM	8.00	40	eP	03	05.14	-2.0X		0.6s		14.47nm		5.0mb	CDF	75.13	10	eP	12	47.50	-0.5	
SGAM	8.11	52	eP	03	05.51	-3.1X				eP	08	07.44			1.0s		4.60nm			4.4mb
KAIM	8.23	57	eP	03	07.31	-2.9X	DAU	34.20	97	eP	07	51.79	-1.1	GEC2	75.18	6	ePd	12	48.50	0.2
RAGM	8.30	53	eP	03	08.30	-2.9X				eP	08	13.63			1.3s		4.00nm			4.2mb
KIU	8.32	45	eP	03	08.88	-2.7X	ARUT	34.85	103	eP	07	56.67	-1.5				e	12	57.50	29kmX
TRF	8.35	25	eP	03	10.32	-1.7				eP	08	12.35	63km				e	13	02.30	
TOA	8.59	41	eP	03	14.80	-0.5				eP	08	19.64		HAU	75.43	11	eP	12	49.10	-0.6
ANM	9.18	340	eP	03	24.97	1.7	EMUT	34.86	98	eP	07	58.10	-0.3		1.0s		7.80nm			4.6mb
BALM	9.61	53	eP	03	25.64	-3.6X				e	08	13.33	61km	BSF	75.65	10	eP	12	50.30	-0.7
IM3	10.12	10	eP	03	35.95	-0.2	GSC	34.88	109	eP	07	57.87	-0.5	LOR	75.88	13	eP	12	51.60	-0.6
FBA	10.16	26	eP	03	32.93	-3.8X				eP	08	19.13			1.0s		8.80nm			4.6mb
ILB	10.29	28	eP	03	34.41	-4.0X	MSU	35.02	100	eP	07	59.18	-0.6	MFF	75.99	15	eP	12	52.50	-0.3
BC3	10.81	43	eP	03	43.07	-2.4X				e	08	15.12	63km		1.1s		14.15nm			4.8mb
ADK	11.68	256	eP	03	59.10	1.9	SRU	35.51	98	eP	08	03.64	-0.2	SSF	76.04	13	eP	12	52.60	-0.5
	0.3s		12.00nm			5.4mb				e	08	19.63	63km		1.1s		13.45nm			4.8mb
SIT	12.61	76	(P)	04	09.40	-0.1	RSSD	35.80	86	eP	08	05.30	-1.0	LBF	76.18	12	eP	12	53.10	-0.8
BM3	12.98	24	eP	04	09.89	-4.4X		0.6s		5.38nm		4.7mb		0.7s		4.30nm				4.5mb
INK	16.60	33	eP	05	01.50	0.7				e	08	20.72	61km	AVF	76.29	13	eP	12	53.90	-0.6
	0.6s		5.00nm			3.8mb	PV09	36.71	98	eP	08	13.32	-0.8		1.1s		11.00nm			4.7mb
YKA	22.75	56	eP	06	15.30	6.8X	PV10	36.85	98	eP	08	14.37	-0.9	BGF	76.45	13	eP	12	54.80	-0.6
	0.8s		5.40nm			4.0mb				e	08	28.86	56km		0.8s		7.40nm			4.7mb
GMW	23.26	97	eP	06	13.71	0.1	PV08	36.93	97	eP	08	15.27	-0.7	SMF	76.49	13	eP	12	55.10	-0.6
			e	06	28.83	65km				eP	08	36.73			1.2s		17.55nm			4.9mb
			e	06	34.76		GLA	37.65	109	eP	08	21.11	-0.6	LSF	76.58	14	eP	12	55.80	-0.3
BMW	23.65	99	eP	06	18.30	0.9				e	08	37.41	65km		1.0s		16.80nm			5.0mb
			e	06	32.00	57km	GOL	37.97	93	eP	08	24.23	-0.4	TCF	76.63	14	eP	12	55.90	-0.6
			e	06	39.18			0.6s		9.20nm		4.9mb	MAF	76.75	14	eP	12	56.60	-0.5	
RMW	23.86	96	eP	06	20.16	0.7				eP	08	45.80			0.9s		5.10nm			4.5mb
			e	06	35.10	63km	GLD	38.02	93	eP	08	24.89	-0.1	RJF	77.50	15	eP	13	00.70	-0.6
			e	06	41.39			1.0s		18.83nm		5.0mb		0.9s		6.20nm				4.6mb
RVC	24.07	97	P	06	23.18	1.7	TUC	40.38	106	eP	08	44.93	0.4	LFF	77.75	15	eP	13	02.50	-0.1
FMW	24.24	97	P	06	24.72	1.4		0.9s		4.16nm		4.3mb		1.0s		21.80nm				5.1mb
LON	24.27	97	eP	06	24.33	0.9				e	08	59.76	58km	CAF	77.95	14	eP	13	03.60	-0.2
			e	06	39.31	63km	MAT	46.25	273	eP	09	32.00								

03d 12h

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S.D. = 0.9   on 145 of 167 obs.
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? SEP 03, 1993 12h 18m 30.46± 5.74s
43.176 N ±45.7km 24.995 E ±22.6km
DEPTH = 5.0km (geophysicist)
BULGARIA (359)
ML 3.1 (THE).

SRS 2.31 207 iPb 19 09.85 0.1
      eSb 19 35.52
ALN 2.41 161 ePb 19 10.72 -0.4
MLR 2.41 16 eP 19 36.00 24.6X
KNT 2.55 218 ePn 19 12.08 -1.0
      eSn 19 39.20
VAY 2.58 225 ePn 19 12.40 -1.2
SOH 2.65 208 ePn 19 15.20 0.5
      eSn 19 41.16
SKO 2.89 247 ePn 19 18.80 0.8
      i 19 24.00
OUR 2.94 195 ePn 19 19.90 1.2
GRG 2.94 222 ePn 19 21.88 3.1X
      eSn 19 49.28
BZS 3.44 316 eP 19 30.00 4.3X
      e 48 19.00
S.D. = 1.1   on 7 of 10 obs.
-----
SEP 03, 1993 12h 35m 00.27± 0.15s
14.523 N ± 3.3km 92.713 W ± 2.6km
DEPTH = 26.5km (geophysicist)
5.8mb (114 obs.) 6.8MsZ ( 72 obs.)
NEAR COAST OF CHIAPAS, MEXICO ( 69)
Mw 6.8 (GS), 6.8 (HRV). Ms 6.7
(BRK). Mo=2.0*10**19 Nm (PPT).
Felt in Chiapas, Guerrero,
Michoacan and at Mexico City.
Also felt (III) at San Salvador,
El Salvador. Two events about
2.2 seconds apart. Depth from
broadband displacement
seismograms, based on first
event.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=128 Dip=70 Slip= 90
NP2: 308 20 90
Principal Axes:
T Plg=65 Azm= 38
P 25 218
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 2.9±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 24
Moment Tensor; Scale 10**19 Nm
Mrr= 0.97 Mtt=-0.97
Mff= 0.00 Mrt= 1.04
Mrf=-0.67 Mtf= 0.30
Principal axes:
T Val= 1.59 Plg=63 Azm= 44
N 0.02 9 296
P -1.61 25 201
Best Double Couple:Mo=1.6*10**19
NP1:Strike=272 Dip=21 Slip= 65
NP2: 119 71 99
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S, **C M.W.: 53S, **C
Centroid Location:
Origin Time 12:35: 5.7 0.1
Lat 14.40N 0.01 Lon 93.14W 0.01
Dep 27.4 0.4 Half-duration 5.7
Moment Tensor; Scale 10**19 Nm
Mrr= 1.11 0.01 Mtt=-0.82 0.00
Mff=-0.30 0.01 Mrt= 0.88 0.02
Mrf=-0.58 0.02 Mtf= 0.35 0.00
Principal Axes:
T Val= 1.55 Plg=67 Azm= 37
N -0.12 3 300
P -1.43 22 209
Best Double Couple:Mo=1.5*10**19
NP1:Strike=294 Dip=23 Slip= 83
NP2: 121 67 99

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TPX	0.58	49	iPc	35	18.93	7.1X		0.9s	85.28nm		5.4mb		
JAT	1.06	101	iP	35	24.77	5.4X	GLA	27.28	316	iPc	40	44.47	-0.2
			iS	35	51.27		GLD	27.43	339	eP	40	46.44	0.4
TER	1.98	96	ePc	35	40.41	7.7X		1.4s	210.61nm		5.6mb		
			eS	36	12.54		Z	20s	52.34um		6.1MsZ		
PCG	2.04	93	iP	35	38.03	4.2X			S	45	53.41		
GCG	2.11	88	iPc	35	41.73	7.0X	GOL	27.43	338	ePc	40	46.35	0.1
SCX	2.20	2	iP	35	41.58	5.8X		1.2s	380.91nm		5.9mb		
			iS	36	13.58				S	45	51.78		
IXG	2.22	99	eP	35	41.31	5.1X	PV08	27.79	333	iPc	40	50.43	0.9
YUP	2.84	96	iPc	35	50.67	5.7X	PV10	27.80	332	iPc	40	49.28	-0.3
YFE	2.97	97	eP	35	52.40	5.6X	PV09	27.95	332	(P)	40	51.41	0.5
MRL	2.97	79	iPc	35	53.99	7.1X	PLM	28.84	315	ePc	40	58.96	0.1
VSS	3.46	103	eP	35	58.80	5.0X	SRU	29.08	331	ePc	41	00.99	0.0
SJAS	3.54	103	iP	36	00.40	5.4X	PEC	29.35	315	ePc	41	02.92	-0.4
			iS	36	51.30			1.1s	236.08nm		5.9mb		
LFU	3.57	102	ePc	36	00.40	5.0X	MSU	29.44	328	ePc	41	04.62	0.3
VSM	4.44	104	iP	36	12.90	5.0X	ARUT	29.58	325	ePc	41	06.51	1.0
OXK	4.62	304	iP	36	11.16	0.7	EMUT	29.78	331	eP	41	07.79	0.4
LVMV	6.30	326	iP	36	29.00	-4.8X	SSK	29.89	315	ePc	41	08.05	-0.3
IISM	6.30	315	(P)	36	52.14	18.3X	GSC	29.95	318	ePc	41	08.79	0.1
IIT	6.98	311	iP	36	46.34	2.6	YSNY	30.42	21	ePc+	41	11.85	-0.9
PFM	7.24	309	iPc	36	48.77	1.1		0.4s	57.09nm		5.7mb		
ACX	7.27	290	iP	36	46.41	-1.1	Z	19s	196.75um		6.8MsZ		
		(S)		37	22.09				S	46	36.54		
IIA	7.32	310	iP	36	49.47	1.3	DAU	30.46	331	ePc	41	13.95	0.5
III	7.53	302	iP	36	50.48	-0.9	FDF	30.53	86	ePc	41	14.50	0.6
UNM	7.82	309	iP	36	54.00	-1.5			S	46	45.40		
CRX	8.25	307	(P)	37	06.51	5.0X	TYNO	30.54	19	P	41	12.85	-0.8
		(S)		38	59.91		NNA	30.68	148	eP	41	14.80	-0.4
MRX	9.60	304	iP	37	20.00	0.1		1.2s	70.31nm		5.4mb		
BRU	11.45	119	ePc	37	51.82	6.2X	GPD	30.81	28	eP	41	16.06	-0.1
		eS		40	00.84		GMTN	30.83	28	eP	41	17.10	0.9
CGX	11.49	298	iP	37	46.53	0.6	ACTO	30.95	18	P	41	17.57	0.3
		(S)		40	08.94		DUG	31.04	329	iPd	41	18.84	0.5
AGX	11.68	310	iP	37	51.28	3.0X		1.1s	69.75nm		5.4mb		
		(S)		40	19.25		RSSD	31.04	344	ePc+	41	18.09	-0.3
DVD	11.73	120	ePc	37	54.85	5.8X		0.7s	112.81nm		5.8mb		
		iS		40	06.85		Z	20s	57.21um		6.2MsZ		
ECO	13.73	110	eP	38									

		eLQ	50	11.66				e	06	03.30		RSO	62.87	331	ePc	45	25.12	-1.2			
TPMT	34.14	336	ePc	41	46.87	1.4		e	09	17.30		CP2	62.90	332	eP	45	25.52	-1.0			
ARN	34.24	317	ePc	41	45.78	-0.4			42	27.40	-0.4	PDA	63.18	55	iPc	45	26.00	-2.4X			
COE	34.28	317	ePc	41	46.41	0.0			42	27.37	-0.4	MBC	63.31	353	iPc	45	29.70	1.0			
MHC	34.30	317	eP	41	46.91	0.1			42	27.71	-0.4		0.7s	1586.00nm			7.3mb X				
	2.7s	2110.00nm			6.6mb			1.1s	206.02nm	5.8mb				PcP	46	11.90					
Z	19s	124.00um			6.7Msz			Z	18s	269.82um	7.1Msz			PP	47	48.10					
		ePP	43	13.19			LPB	39.28	141	Pd	42	33.00	3.7X	PPP	49	15.90					
		ePcP	44	11.19				1.0s	50.00nm	5.2mb											
		eS	47	23.19					i	44	41.00		TVO	64.33	242	iPc	45	42.70	6.3X		
LBNH	34.51	27	ePc+	41	47.43	-0.9				eLQ	44	28.74	-0.6	SDN	1.5s	1161.60nm		6.8mb			
	2.6s	538.95nm			6.0mb		SSOR	39.36	326	P	42	28.74	-0.6		65.56	324	eP	45	41.81	-1.8	
Z	19s	248.62um			7.0Msz		DW	39.39	323	ePc	42	29.60	0.1		0.8s	269.91nm		6.4mb			
		S	47	23.42			RNO	39.47	324	P	42	30.49	0.3	AKU	70.53	25	eP	46	15.40	0.9	
		ePP	43	17.71			CNCB	39.57	141	Pc	42	32.20	0.4		1.2s	50.00nm		5.5mb			
MEMT	34.60	337	ePc	41	50.30	0.9				i	44	42.00		Z	18s	82.47um		7.0Msz			
STAN	34.69	317	eP	41	50.35	0.4		ASR	39.77	328	P	42	33.64	0.9	DAG	72.29	13	eP+	46	24.80	-0.1
	2.0s	1970.00nm			6.7mb		EBG	39.79	330	Pc	42	33.55	0.8	N	19s	45.83um					
Z	19s	66.00um			6.4Msz		SAW	39.81	332	P	42	33.24	0.3	E	22s	51.85um					
		ePP	43	17.71			WTV	40.06	331	P	42	34.95	-0.1	MBO	73.00	79	eP	46	35.50	5.4X	
		eS	47	05.71			SHW	40.12	328	eP	42	36.06	0.4	RAR	74.78	243	(P)	46	32.27	-8.0X	
		eLQ	50	14.71			LON	40.29	329	ePc+	42	37.06	0.2	ADK	75.01	320	ePc	46	39.16	-2.0	
MCMT	34.70	335	iPc	41	51.75	1.4				PP	44	34.44			1.2s	286.93nm		6.2mb			
BGMT	34.71	336	ePc	41	51.25	1.0				S	49	07.28		ILT	75.15	337	iPc	46	42.00	0.4	
HMR	34.86	318	eP	41	52.62	1.2				SS	52	17.24			1.5s	325.00nm		6.1mb			
BKS	34.99	317	eP	41	52.94	0.4		FMW	40.34	329	P	42	37.91	0.4			i	46	52.00		
	4.4s	8360.00nm			7.0mb X		KMOR	40.42	326	P	42	38.56	0.6			iS	49	32.00			
Z	18s	132.00um			6.7Msz		RMW	40.77	330	eP	42	40.27	-0.6			iS	56	20.00			
		ePP	43	19.09			BMW	40.83	328	eP	42	40.89	-0.4			iPS	56	56.00			
		ePcP	44	27.09			CCH	41.14	140	P	42	45.40	0.9	DCN	75.78	38	eP	46	44.50	-1.0	
		eS	47	30.09			GMW	41.32	329	ePc	42	44.60	-0.7	EZAM	76.02	50	P	46	48.43	1.3	
		eLQ	50	47.09			JCW	41.34	330	P	42	44.83	-0.7		0.9s	142.70nm		6.0mb			
SXM	35.15	337	iPc	41	54.72	0.7		STW	42.16	329	P	42	52.90	0.7	STS	76.03	49	P	46	46.15	-1.0
LRM	35.36	336	iPc	41	56.47	0.6		SIV	43.55	133	P	43	04.10	0.2		0.7s	69.30nm		5.8mb		
HBMT	35.39	336	ePc	41	56.87	0.7		ANT	43.80	150	eP	43	03.00	-2.8X	ECB	76.17	39	eP	46	46.40	-1.3
ORV	35.49	320	eP	41	57.21	0.5		YJA	45.18	143	ePc	43	17.50	0.0	DLF	76.23	38	eP	46	47.00	-1.0
	2.2s	1180.00nm			6.4mb		RTRS	49.76	153	e(P)	43	53.20	0.6	ECT	76.45	39	eP	46	48.00	-1.2	
Z	20s	134.00um			6.7Msz		YKA	50.36	347	eP	43	56.40	-0.4	ETP	76.49	39	eP	46	48.70	-0.8	
		ePP	43	23.67				1.0s	251.70nm	6.2mb		JHA	76.87	60	iP	46	50.00	-2.1			
		eS	47	36.67			CFA	51.53	153	e(P)	44	06.00	-0.1	ERUA	77.13	49	iPc	46	52.67	-0.6	
		eLQ	50	53.67			RTCV	51.62	154	e(P)	44	08.00	1.2	YBT	77.13	62	eP	46	53.50	0.0	
BUT	35.56	336	ePc	41	58.30	0.8		PEL	51.86	156	eP+	44	09.20	0.6	CIA	77.47	60	iP	46	54.50	-0.9
NTYM	35.56	318	eP	41	57.35	0.0		SAN	52.14	157	eP	44	13.00	2.3	EDI	77.85	35	iPc	47	00.20	3.3X
HRY	35.86	337	ePc	42	00.37	0.4		TCA	53.00	150	ePc	44	15.60	-1.6		1.8s	350.00nm		6.1mb		
MIN	36.03	321	eP	42	01.30	-0.2		SIT	53.26	333	eP	44	18.87	0.2	Z	18s	74.00um		7.1Msz		
	1.7s	450.00nm			6.1mb			1.3s	46.34nm	5.3mb				N	18s	18.00um					
Z	19s	352.00um			7.2Msz		Z	20s	55.22um	6.6Msz				E	18s	59.00um					
		ePP	43	27.71					S	51	55.94					ePPP	51	53.00			
		ePcP	44	30.71					SS	56	07.62					eScS	56	54.00			
		eS	47	44.71			BAO	53.40	122	Pd	44	20.00	-0.4			eSS	02	04.00			
		eLQ	52	05.71					i	44	23.20					e	05	28.00			
MIM	36.58	28	eP	42	05.32	-0.5			i	44	35.40		KDS	77.88	80	iPd	47	05.00	7.1X		
WDC	36.74	321	P+	42	05.07	-2.2			i	45	35.00		ESK	77.92	36	eP	46	56.50	-0.9		
Z	21s	112.73um			6.6Msz		PPD	54.47	131	eP	44	27.60	-0.5	EKA	77.95	36	Pc	46	56.20	-1.3	
		PP	43	45.07			RSTA	57.73	132	eP	44	38.50	-12.9X		0.6s	8.40nm		4.9mb			
		S	47	45.72					e	44	52.30		HCG	78.08	39	eP	46	56.90	-1.5		
LBFM	36.81	322	iPc	42	07.98	-0.1		VAO	58.27	129	e(P)	44	57.00	1.7	EVAL	78.14	54	iPc	46	57.28	-1.7
LGPM	37.11	321	eP	42	08.64	-1.9			e	45	00.70		EPLA	78.26	51	P	46	54.50	-5.2X		
		ePcP	44	30.87					ePP	45	04.00	23kmX	OUK	78.28	61	iP	46	56.00	-3.8X		
ARE	37.24	145	eP	42	16.00	3.9X			eSP	45	07.60		HTR	78.35	39	eP	46	58.60	-1.2		
YBH	37.53	322	eP	42	12.52	-1.5			e	45	20.90		KBS	78.63	11	eP	47	04.80	3.9X		
	1.1s	70.00nm			5.4mb				e	45	31.50		HAE	78.80	39	eP	47	01.00	-1.3		
Z	19s	253.00um			7.0Msz				e(PcP)	45	51.00		GIBL	78.89	55	iP	47	07.00	3.8X		
		ePP	43	45.52			BALM	58.47	334	ePc	44	56.13	-0.1	TSY	79.13	56	iP	47	06.00	1.6	
		ePcP	44	53.52			INK	59.74	344	ePc	45	04.50	-0.3	PLAT	79.17	55	iP	47	07.00	2.3	
		eS	48	02.52				0.6s	52.00nm	5.8mb		EHOR	79.28	54	iPd	47	03.40	-1.8			
FOX	37.60	320	iP	42	17.71	3.2X		KLU	60.20	334	iPc	45	08.01	-0.2	RSA	79.33	57	iP	47	04.00	-1.5
KMPM	37.63	319	eP	42	15.39	0.6		MHA	60.28	285	eP	45	07.17	-2.0	BJIF	79.34	55	iPd	47	05.56	0.0
FHC	37.76	320	iP	42	16.62	0.7		HKL	60.56	286	eP	45	09.14	-2.5	CPS	79.37	56	iP	47	03.00	-2.7
EKR	37.80	320	iP	42	16.89	0.8		TOA	60.59	334	eP	45	10.90	0.1	EPRU	79.44	54	P	47	09.72	3.6X
VIPM	38.15	327	P	42	18.95	-0.3		PMR	61.64	333	ePc+	45	16.76	-1.1	GUD	79.62	51	iPc	47	06.53	-0.6
JBO	38.40	329	P	42	20.42	-0.8			0.8s	94.53nm	6.0mb		PAB	79.67	52	eP	47	05.85	-1.5		
CROR	38.66	327	P	42	23.26	-0.2		Z	19s	49.66um	6.7Msz			0.9s	39.14nm		5.4mb				
DBO	38.69	323	P	42	25.24	1.5				S	53	52.22		ZER	80.06	57	iP	47	08.00	-1.4	
VGB	38.92	328	eP	42	25.77	0.2		SLKM	61.71	332	iPc	45	17.39	-1.0	ELUQ	80.09	54	P	47	12.81	3.2X
VBEM	39.03	327	P	42	27.36	0.7		DHH	61.95	287	eP	45	17.76	-2.8	TGT	80.11	57	iP	47	06.50	-3.2X
LMN	39.07	31	eP	42	26.00	-0.8		OPA	62.10	287	eP	45	19.99	-1.6	TNF	80.18	59	iP	47	15.00	4.9X
LPАЗ	39.07	141	Pc	42	14.20	-13.6X		HON	62.12	287	P+	45	25.26	3.5X	EBAN	80.35	53	iPc	47	09.52	-1.5
		PP	44	40.70			Z	19s	17.72um	6.2Msz		LPF	80.46	43	iPc	47	10.10	-1.2			
		S	48	31.30					S	54	04.83			0.9s	60.10nm		5.6mb				
		S	48	34.00			KIP	62.13	287	P	45	20.90	-0.8	ECRI	80.47	48	iPc	47	11.07	-0.5	
		SS	50	59.00			COL	62.49	337	ePc	45	22.38	-1.1	SMY	80.50	322	eP	47	08.53	-2.8	
		e	51	28.00				0.6s	60.19nm	5.9mb			Z	18s	13.79um		6.3Msz				
		e	56	36.00			FBA	62.49	3												

03d 12h

Z 23s 70.00um 6.9MsZ					Z 18s 63.00um 7.0MsZ					1.1s 53.00nm 5.8mb				
ECOG	80.69	54 iPd	47 12.82	-0.1										
EGUA	80.78	54 iPd	47 13.40	0.2										
TZK	80.81	57 iP	47 09.80	-3.6X	VITF	84.99	42 P	47 39.20	-0.6					
LDF	80.95	42 iPc	47 13.10	-0.8	ESEL	85.08	50 iPd	47 35.00	-0.2					
	0.9s	67.15nm		5.7mb	HAU	85.28	42 iPc	47 35.50	-0.6					
TOU	80.99	56 iP	47 11.50	-2.8X		1.2s	141.05nm		6.1mb					
ELIZ	81.07	48 iPc	47 14.36	-0.3		Z 23s	49.00um		6.8MsZ					
ZFT	81.08	59 iP	47 09.80	-5.1X	HFS	85.48	29 eP	47 36.70	-0.1					
ETOR	81.15	50 iPc	47 14.76	-0.5		0.7s	36.80nm		5.7mb					
MFF	81.34	44 iPc	47 14.90	-1.0		Z 20s	46.68um		6.9MsZ	BRNL	88.12	36 ePc	47 50.00	0.2
	1.0s	36.20nm		5.4mb			LR	17 19.00				eS	58 19.00	
EHUE	81.34	53 iPd	47 16.37	0.1	BSF	85.62	42 iPc	47 37.00	-0.9	OSS	88.14	42 P	47 50.56	0.2
KMY	81.68	31 eP	47 15.31	-2.1		1.0s	60.20nm		5.8mb	BOB	88.31	44 P	47 52.13	1.1
ENIJ	81.81	54 iPd	47 17.25	-1.4	ECH	85.74	41 P	47 37.75	-0.7		1.7s	223.90nm		6.2mb
MOL	81.90	27 eP	47 19.66	1.2	CDF	85.76	41 iPc	47 37.90	-0.7	CLL	88.32	37 eP	47 51.00	0.2
EGRA	82.15	49 iPd	47 22.66	2.5		1.3s	75.10nm		5.8mb		2.1s	105.00nm		5.8mb
ECHE	82.22	51 iPd	47 20.82	0.1	LOMF	85.78	42 P	47 37.35	-1.4		Z 20s	27.50um		6.7MsZ
EALH	82.24	53 iPc	47 19.95	-0.9	WLS	85.81	41 P	47 38.01	-0.8			eSKS	58 24.00	
LFF	82.30	46 iPc	47 20.10	-0.9	TNS	85.95	39 ePc	47 39.70	0.2			eS	58 44.00	
	0.8s	62.35nm		5.7mb			ePcP	47 43.50		FUR	88.37	41 iPd	47 55.10	3.9X
EPF	82.44	48 iPc	47 21.30	-0.5	TIC	86.14	84 P	47 41.15	0.2	MOTA	88.54	41 iPc	47 52.10	-0.1
	1.0s	52.80nm		5.6mb		1.1s	137.00nm		6.1mb		0.9s	28.30nm		5.6mb
LSF	82.55	44 iPc	47 21.00	-1.3	KEV	86.19	18 eP	47 39.33	-0.8			i	47 56.10	
	0.7s	28.75nm		5.5mb		0.8s	41.22nm		5.7mb	SQTA	88.65	41 i(P)	47 53.20	0.5
LOF	82.56	21 eP	47 22.68	0.8	EMS	86.22	43 P	47 41.36	0.3			i	47 55.80	
LPO	82.67	46 iPc	47 22.00	-0.9	LIC	86.23	85 P	47 41.65	0.2	OGA	88.65	42 eP	47 53.30	0.5
	1.4s	95.85nm		5.7mb		1.6s	526.50nm		6.5mb	PGF	88.70	46 iPc	47 51.70	-1.3
RJF	82.75	45 iPc	47 22.30	-1.1		Z 22s	11.53um		6.2MsZ		1.1s	63.75nm		5.9mb
	0.8s	36.25nm		5.5mb	LPL	86.25	44 eP	47 40.80	-0.4	WATA	88.85	41 iPc	47 54.50	0.8
	Z 23s	69.00um		7.0MsZ		1.3s	68.95nm		5.7mb			i	47 57.50	
EROQ	82.98	50 iPd	47 24.26	-0.3	LPG	86.27	44 eP	47 40.90	-0.5	WTTA	88.91	41 i(P)	47 53.10	-0.9
TCF	83.00	44 iPc	47 23.50	-1.1	BNI	86.34	44 P	47 41.90	0.3			i	47 57.10	
	1.0s	40.60nm		5.5mb		1.6s	122.00nm		5.9mb			i	48 13.60	
EBR	83.04	50 iP+	47 25.00	0.1	FEL	86.39	42 P	47 40.75	-1.0	WET	89.03	39 eP	47 54.80	0.5
AFI	83.17	254 eP	47 28.00	2.0	COP	86.44	33 iP+	47 46.00	4.4X		Z 21s	46.00um		6.9MsZ
		eS	57 44.00				eSKS	58 08.00		BRG	89.03	37 iP	47 54.60	0.4
CAF	83.22	45 iPc	47 24.80	-1.0			i	58 30.00			1.6s	120.00nm		6.0mb
	0.9s	35.05nm		5.5mb	RRL	86.45	45 P	47 42.42	0.1		Z 22s	43.00um		6.8MsZ
MAF	83.25	44 iPc	47 24.90	-1.0	KIC	86.47	84 eP	47 43.63	1.0		N 22s	23.00um		
	1.1s	77.15nm		5.8mb		1.0s	150.50nm		6.2mb		E 22s	23.00um		
UCC	83.29	39 P+	47 25.00	-0.9	DIX	86.54	43 P	47 43.25	0.6			i	47 57.60	
		S	57 51.00		LSD	86.55	44 P	47 42.97	0.2			iSKS	58 21.00	
SNF	83.31	40 P	47 27.80	1.7	LRG	86.59	46 eP	47 42.60	0.0			eP'P'	13 40.00	
BGF	83.36	44 iPc	47 25.50	-1.0		1.0s	108.00nm		6.0mb	PET	89.34	325 iP+	47 56.00	0.4
	0.9s	89.75nm		5.9mb	RSP	86.71	44 P	47 43.56	0.2			e	58 18.00	
DBN	83.45	38 eP+	47 29.00	2.3	LMR	86.72	46 eP	47 43.00	-0.3			eS	58 47.00	
	Z 20s	29.90um		6.7MsZ		1.1s	124.55nm		6.1mb			ePS	59 58.00	
		e	50 50.00		SLE	86.73	42 P	47 43.04	-0.3	CTI	89.34	42 P	47 57.72	1.8
		ePS	58 40.00		FRF	86.75	46 eP	47 43.20	-0.3		1.3s	61.00nm		5.7mb
		eSS	03 14.00			0.9s	97.30nm		6.0mb	KHC	89.46	39 P	47 56.60	0.2
		eSSS	06 50.00		ZLA	86.75	42 P	47 44.40	0.9		1.0s	14.00nm		5.2mb
DOU	83.61	40 Pc	47 27.70	0.1	PZZ	86.79	45 P	47 43.88	0.1		N 18s	10.00um		
AVF	83.64	43 iPc	47 26.60	-1.3	BHB	86.80	45 P	47 43.47	-0.2		E 18s	26.00um		
	0.9s	46.05nm		5.7mb	DOI	86.89	45 P	47 44.54	0.3			e	48 00.00	
SSF	83.68	43 iPc	47 27.00	-1.0		1.0s	75.40nm		5.9mb			e	49 01.50	
	0.9s	57.35nm		5.8mb	MMK	86.91	43 P	47 45.13	0.6			e	55 02.50	
KONO	83.70	30 eP	47 28.82	1.0	MVIF	87.01	45 P	47 43.13	-1.7			e	57 48.00	
TRO	83.78	19 eP	47 30.50	2.4	STV	87.02	45 P	47 45.06	0.2			e	08 42.00	
LOR	83.86	43 iPc	47 28.10	-0.9	TOUF	87.04	45 P	47 44.06	-1.0	BHG	89.54	41 iPc	48 00.90	4.2X
	0.9s	62.90nm		5.8mb	ORO	87.05	44 P	47 45.24	0.2	TIK	89.62	348 iPc	47 57.00	0.4
	Z 22s	49.00um		6.8MsZ		0.7s	46.40nm		5.8mb		2.0s	370.00nm		6.3mb
NAO	83.91	29 P	47 29.67	0.7	ENR	87.09	45 P	47 45.46	0.2		Z 22s	42.50um		6.8MsZ
SMF	84.00	43 iPc	47 28.50	-1.2	AURF	87.13	45 P	47 44.06	-1.3			i	51 30.00	
	0.9s	40.45nm		5.6mb	AUTN	87.17	45 P	47 45.15	-0.6			e	58 34.00	
LBF	84.01	43 iPc	47 28.50	-1.3	SBF	87.21	45 P	47 44.67	-1.1	GEC2	89.64	39 eP	47 57.00	-0.3
	1.0s	31.80nm		5.5mb	SDF	87.25	20 eP	47 40.00	-5.4X		0.9s	14.51nm		5.3mb
NB2	84.02	28 P	47 29.90	0.4	SAOF	87.26	45 P	47 44.41	-1.5			e	48 00.80	
	0.8s	11.00nm		5.1mb	LLS	87.34	42 P	47 46.91	0.4			e	48 04.80	
WIT	84.13	37 eP	47 33.00	2.8	ROB	87.38	45 P	47 45.89	-0.7			e	48 08.20	
ENN	84.25	39 iP	47 31.00	0.2	UPP	87.41	28 iP	47 46.60	0.4			e	48 10.70	
	0.8s	92.90nm		6.1mb			iSKS	58 14.00				e	48 17.20	
NRAO	84.27	29 iPd	47 31.70	1.0			iS	58 31.00				ePKKP	05 28.00	
NREO	84.27	29 iPc	47 37.50	6.8X	TMA	87.50	43 P	47 47.20	0.0	PRU	89.72	38 Pc	47 57.30	-0.2
		iPP	50 53.50		VAI	87.50	43 P	47 47.24	0.3		0.9s	18.50nm		5.3mb
		iS	58 14.20			2.3s	442.60nm		6.3mb		Z 18s	35.80um		6.8MsZ
		iSS	03 57.40		IMI	87.51	45 P	47 46.26	-0.9		N 17s	8.00um		
		iSSS	07 29.40		CKI	87.62	45 P	47 47.29	-0.3		E 20s	46.30um		
ETER	84.41	48 iPc	47 33.90	2.1		1.9s	531.20nm		6.5mb			ePP	51 25.00	
WTS	84.45	38 eP	47 32.00	0.2	FIN	87.64	45 P	47 46.90	-0.9			e	53 46.00	
	0.8s	49.20nm		5.8mb	MOX	87.73	38 eP+	47 48.40	0.4			e	57 53.00	
MUD	84.46	33 eP	47 35.00	3.3X		2.0s	132.00nm		5.9mb			eSKS	58 32.00	
	1.7s	151.00nm		5.9mb		Z 19s	38.00um		6.8MsZ			e	04 50.00	
WLF	84.70	40 iPc	47 37.91	4.9X			eS	58 49.00		FIR	89.86	45 eP	47 58.50	0.3
	1.4s	103.00nm		5.9mb	PCP	87.77	45 P	47 47.63	-0.8			iS	58 50.00	
		i	55 10.00		VDL	87.77	43 P	47 48.83	0.3	FVI	89.88	42 P	48 01.48	3.2X
BNS	84.96	39 ePc	47 34.20	-0.2	GRF	87.82	39 eP	47 49.00	0.5		1.4s	43.00nm		5.5mb

KAF	90.06	24	iP	47	58.70	-0.1	LVV	95.31	36	iP+	48	25.00	1.8					e	53	30.00			
	0.7s	10.00nm			5.2mb		Z	19s	89.50um				7.3Msz				SOC	107.68	34	ePdiff49	20.00	1.3	
KBA	90.07	41	iPc	47	59.20	-0.2	N	18s	45.20um									eSSS	12	57.00			
		i		48	03.40		E	18s	53.70um								NVL	108.40	160	ePdiff49	22.00	0.7	
		i		48	09.90				i	52	15.00						Z	18s	16.00um		6.6Msz		
PGD	90.14	44	P	47	59.40	-0.4			ePPP	54	25.00						N	18s	3.50um				
KMR	90.20	40	iP+	48	00.20	0.4			i	58	59.00						E	18s	14.00um				
NUR	90.21	26	eP	48	00.00	0.4			e	59	29.00							ePP	53	54.00			
		ePP		51	40.00		YAK	96.74	341	iPd	48	11.20	-18.4X					ePPP	56	10.00			
		eS		58	32.00			1.1s	45.00nm									eSKS	00	00.00			
SFI	90.21	44	P	48	00.48	0.6	Z	20s	33.00um				6.8Msz					e	00	59.00			
	1.1s	81.00nm			5.9mb		N	19s	10.40um									eS	01	25.00			
RSM	90.62	44	P	48	04.03	2.3	E	20s	20.00um									ePS	02	50.00			
	1.7s	416.10nm			6.5mb				e	52	22.00							eSS	08	18.00			
VOY	90.81	42	e(P)	48	07.50	4.8X			e	59	09.00							eSSS	12	20.00			
TRI	90.84	42	eP	48	04.00	1.3	SKO	97.44	43	iP	48	35.50	2.4				KIV	109.01	32	ePdiff49	20.60	-4.2X	
		e		48	52.00		Z	20s	39.50um				6.9Msz					e	59	57.90			
		ePP		51	40.00				e	51	56.00							MDJ	109.70	329	ePdiff49	28.50	0.8
		ePPP		53	36.00				iPP	52	30.00						Z	23s	20.80um		6.6MszX		
		eS		58	52.00				i	53	35.00						N	16s	8.51um				
		eSP		00	20.00				iPS	01	15.00						E	20s	12.20um				
		eSPP		00	44.00				iSS	07	08.00							PP	54	02.00			
		eSS		05	16.00				LR	34	24.00						CIT	109.93	343	ePdiff49	16.00	-12.6X	
		eSSS		08	52.00		CMP	98.16	39	ePc	48	46.00	9.7X					e	54	02.00			
		e		11	20.00		VAY	98.49	44	eP	48	26.70	-11.1X				GRO	110.97	31	iPdiff49	36.00	2.6X	
ASS	91.07	45	P	48	03.30	-0.6	OBN	98.55	27	eP+	48	37.00	-0.8					i	54	10.00			
	1.0s	36.30nm			5.7mb			2.0s	240.00nm				6.4mb					iPPP	56	36.00			
ARV	91.10	44	P	48	05.65	1.6	Z	22s	58.90um				7.0Msz				IRK	111.87	349	ePdiff49	37.00	-0.2	
	1.2s	75.00nm			5.9mb		N	22s	35.80um									e	05	04.00			
VRAC	91.21	38	eP	48	09.40	5.1X	E	21s	28.10um								CN2	112.30	331	Pdiff49	40.20	0.9	
	7.0s	1792.50nm			6.5mb X				e	48	52.00						Z	20s	9.29um		6.4Msz		
LJU	91.21	42	eP	48	03.50	-1.0			i	52	37.00						N	16s	3.17um				
CEY	91.26	42	eP	48	02.00	-2.7			ePPP	54	48.00						E	16s	8.40um				
MNS	91.32	46	P	48	05.23	0.1			e	00	02.00						ZAK	113.86	349	ePdiff49	50.00	3.9X	
	1.7s	194.10nm			6.2mb				iPS	01	34.00						4.0s	736.00nm					
VKA	91.47	39	iPc	48	06.70	1.1			ePPS	02	16.00							e	54	30.00			
Z	17s	20.90um			6.6MszX		MOS	98.57	26	eP	48	42.00	4.1X					e	05	14.00			
								2.0s	190.00nm				6.3mb					e	10	15.00			
RAC	91.84	37	eP	48	05.00	-2.2	Z	22s	68.00um				7.1Msz				SNY	114.70	331	Pdiff49	50.00	0.0	
		i		48	13.00		N	23s	29.60um								Z	20s	19.50um		6.7Msz		
		e		58	18.00		E	23s	49.50um								E	15s	10.10um				
		eS		58	46.00				e	48	58.00							PP	54	40.00			
SOP	91.85	40	eP	48	10.00	2.6			e	52	42.00						TAB	115.10	35	iPdiff49	54.00	1.9	
VBY	91.89	42	e(P)	48	09.30	1.7			e	59	19.00							i	54	36.00			
ZST	91.97	39	eP	48	07.00	-0.9			eS	00	07.00							i	04	21.00			
PTJ	92.19	41	eP	48	11.10	2.0			ePS	01	41.00						CER	116.11	120	ePKP	53	40.00	
ZAG	92.23	42	eP	48	11.50	2.3	MLR	98.60	39	eP	48	37.50	-0.9				1.0s	100.00nm			-3.2X		
SDI	92.36	46	P	48	12.27	2.4	KUR	99.20	321	iPc	48	40.00	-0.9				GUMO	116.53	293	ePdiff49	57.30	-1.5	
WAR	92.48	34	eP	48	14.00	3.9X	Z	20s	6.30um				6.1Msz				Z	22s	6.62um		6.2Msz		
		e		49	04.00		N	20s	9.50um									e	54	47.10			
		e		53	01.00		E	20s	6.30um								POF	116.57	116	ePKP	53	50.00	
		e		58	45.00				e	52	40.00						0.5s	7.00nm		5.9X			
		e		59	01.00				e	00	07.00						DRV	117.53	201	ePdiff50	18.00	16.0X	
		e		00	12.00		KIS	99.51	36	iP+	48	42.00	-0.3					PP	55	12.00			
OJC	92.71	36	iPd	48	12.30	1.0			e	59	22.00							SKS	00	42.00			
		iS		58	43.20				iPS	01	40.00							SP	04	51.00			
		i		59	02.90				eSS	07	16.00							SS	11	40.00			
PUL	92.99	25	ePd	48	15.00	2.6	YSS	101.20	325	ePdiff48	49.00	-0.8					DL2	117.91	330	Pdiff49	50	06.00	
	2.0s	190.00nm			6.2mb			1.5s	80.00nm				6.1mb				Z	20s	12.90um		6.5Msz		
	Z	17s	36.00um		6.9MszX				e	52	58.00						N	17s	13.50um				
	N	17s	21.00um						(S)	00	24.00						BJI	119.43	335	Pdiff49	50	12.00	
	E	17s	14.00um						ePS	01	54.00						BJI	119.43	335	PKP	53	50.00	
		e		51	56.00				eSS	07	28.00						Z	28s	22.70um		6.7MszX		
		e		53	58.00		SNZO	101.35	230	Pdiff49	49	02.00	11.4X				N	18s	12.90um				
		eS		59	04.00				PP	53	05.00						HHC	120.49	339	PKP	53	51.60	
		ePS		00	38.00				SKS	59	30.00						Z	20s	52.90um		0.2		
SFC	93.43	37	eP	48	16.10	1.2	ITU	102.81	41	ePdiff49	40.00	6.9X					E	16s	5.47um		7.2Msz		
UZD	93.56	40	eP	48	17.40	2.2	SIM	103.70	36	iPdiff49	00.00	-1.0						PP	55	16.00			
HVAR	93.59	44	e(P)	48	14.80	-0.7	Z	20s	26.00um				6.8Msz				ASH	121.16	27	ePdiff50	29.00	10.1X	
SGO	93.83	47	P	48	18.04	1.4	N	20s	25.00um									e	55	28.00			
	1.0s	23.30nm			5.6mb		E	20s	19.00um									PPP	58	06.00			
MGR	94.17	47	P	48	17.88	-0.3			e	53	16.00							e	01	05.00			
	0.7s	33.10nm			5.9mb				ePPP	55	30.00							e	05	15.00			
UZH	94.89	37	iPc+	48	22.00	0.7			eSS	08	00.00							e	06	40.00			
	1.2s	75.00nm			6.0mb		ARU	105.38	16	ePdiff49	10.00	1.8						SS	12	09.00			
	Z	19s	55.00um		7.0Msz		Z	20s	46.00um				7.0Msz				BTO	121.24	340	PKP	53	53.50	
	N	18s	18.00um				N	20s	30.00um								N	21s	31.60um		0.7		
	E	19s	58.00um				E	20s	22.00um								E	16s	9.22um				
		i		52	17.00				e	55	47.00							PP	55	23.00			
		iSP		01	00.00		ANN	105.51	34	ePdiff49	11.00	2.0					FRS	121.26	116	ePKP	53	50.70	
		eSS		05	58.00				ePS	02	51.00						0.5s	25.00nm		-2.3X			
		iSSS		09	40.00												HVD	121.39	117	e(PKP)	53	54.00	
MNK	95.05	31	eP	48	22.00	0.1	SVE	105.54	15	iPdiff49	08.00	-0.9					FRU	121.75	11	iPdiff50	26.00	4.5X	
		e		52	10.00			2.0s	24.00nm				5.8mb					ePPP	58	04.00			
		e		58	54.00		Z	19s	26.00um				6.8Msz					e	00	48.00			
		eS		59	24.00		N	19s	15.50um									e	00				

KHT	148.81	339	ePKP	54	46.50	2.6X
MRWA	149.72	236	ePKP	54	48.00	3.0X
	0.6s		23.00nm			
NNT	150.38	335	ePKP	54	50.60	4.3X
			e	14	12.30	
GBA	150.40	20	PKP	54	47.00	0.7
KHKI	151.59	279	ePKP	54	49.00	0.8
			e	59	37.00	
NANU	152.09	249	ePKP	54	46.00	-2.7X
			e	54	53.00	
KOD	153.55	22	ePKP	54	54.00	2.7X
TRT	154.24	283	ePKPd	54	52.40	0.5
SNG	154.71	328	ePKP	54	54.50	2.0X
			e	55	17.00	
			eS	09	19.80	
SJI	155.07	283	ePKPc	54	52.70	-0.2
IPM	156.64	323	ePKPc	54	57.00	1.8
	1.7s		154.40nm			
S.D. = 1.1 on 416 of 522 obs.						

SEP	03,	1993	12h	35m	45.48±	0.72s
18.922 S ± 5.6km				168.772 E ± 9.1km		
DEPTH = 145.3 ± 6.0 km						
4.6mb (12 obs.)						
VANUATU ISLANDS					(186)	
PVC	1.25	340	iPc	36	12.50	0.1
			iS	36	32.00	
BKM	1.34	338	iPc	36	13.80	0.4
			iS	36	34.00	
DZM	3.82	214	iPd	36	44.10	0.1
			iS	37	28.90	
ARMA	19.31	230	iPd	40	03.30	1.5
	0.5s		8.00nm			4.3mb
PUZ	20.80	159	P	40	14.90	-1.8
NOZ	21.21	160	eP	40	20.30	-0.5
MNG	22.38	166	P	40	32.40	0.1
THZ	23.04	172	P	40	39.70	1.0
CNB	23.70	223	eP	40	47.10	1.9
	0.8s		24.00nm			4.7mb
KHZ	23.77	171	P	40	44.90	-0.8
LTZ	23.97	174	P	40	47.30	-0.4
STK	27.65	237	eP	41	21.70	0.2
	0.7s		4.70nm			4.3mb
WBZ	32.44	262	iPd	42	02.30	-1.7
	0.3s		6.20nm			4.9mb
WRA	32.45	262	P	42	02.70	-1.4
	0.5s		2.60nm			4.3mb
ASPA	32.78	256	iPd	42	06.10	-0.8
	0.5s		137.50nm			6.0mb X
MBL	45.89	259	eP	43	55.00	-0.2
MEEK	46.64	251	iPc	44	01.10	-0.1
MAT	62.27	332	iPc	45	52.40	-1.7
	0.7s		4.11nm			4.5mb
OFUJ	63.03	337	P	45	57.90	-1.2
ASAJ	67.14	340	eP	46	25.60	0.2
SPA	71.19	180	iPc	46	49.20	-1.0
	0.9s		18.18nm			4.9mb
			i	49	08.30	
MDJ	72.64	332	eP	46	58.50	-0.2
CN2	73.96	329	eP	47	05.80	-0.6
	0.8s		7.70nm			4.5mb
XAN	77.57	313	P	47	27.00	-0.1
	1.0s		3.60nm			4.1mb
KMI	77.73	302	eP	47	29.50	1.1
	1.5s		30.00nm			4.8mb
MAW	78.56	202	P	47	32.70	0.8
	1.0s		25.00nm			4.9mb
GTA	86.59	314	eP	48	14.00	0.3
	1.0s		7.00nm			

03d 12h

PTJ	144.96	326	ePKP	55	06.10	-0.9	TOUF	150.57	332	PKP	55	20.79	4.7X	GRR	80.55	42	eP	06	30.50	-0.6
BHG	145.20	331	ePKP	55	06.20	-1.0	SBF	150.61	332	iPKPc	55	20.50	4.5X	FLN	80.72	42	eP	06	31.50	-0.5
	0.9s	46.00nm						0.9s	37.85nm						0.9s	13.75nm			4.9mb	
ENN	145.43	341	ePKP	55	07.00	-0.4	LSF	150.78	342	iPKPc	55	20.70	4.6X	LDF	80.99	42	eP	06	32.90	-0.5
	0.7s	24.20nm						0.8s	16.80nm						0.9s	14.90nm			4.9mb	
KBA	145.45	330	iPKPc	55	06.70	-1.2	PGF	150.87	328	iPKPc	55	21.40	4.9X	MFF	81.38	44	eP	06	34.80	-0.7
	0.9s	17.10nm						0.7s	63.70nm						0.7s	4.65nm			4.6mb	
DLF	145.50	355	iPKPc	55	07.30	-0.2	MFF	150.93	344	iPKPc	55	21.20	5.0X	LFF	82.34	46	eP	06	39.30	-1.2
DCN	145.51	356	iPKPc	55	06.60	-0.9	FRF	151.20	332	iPKPc	55	21.90	5.1X	EPF	82.47	48	eP	06	40.40	-1.0
FUR	145.58	333	ePKP	55	07.90	0.0		0.6s	14.95nm						0.8s	5.10nm			4.6mb	
VBV	145.59	326	ePKP	55	07.80	-0.1	LRG	151.41	333	iPKPc	55	22.40	5.4X	LSF	82.58	44	eP	06	40.90	-0.9
	e			55	10.40			0.7s	15.85nm					LPO	82.70	46	eP	06	41.10	-1.4
WATA	146.08	332	iPKPc	55	08.80	-0.1	LMR	151.44	332	iPKPc	55	22.50	5.4X		0.9s	6.90nm			4.7mb	
WTTA	146.11	332	iPKPc	55	09.20	0.2		0.9s	30.15nm					RJF	82.79	45	eP	06	42.20	-0.7
	0.7s	12.60nm											TCF	83.03	44	eP	06	43.40	-0.8	
MOTA	146.28	332	iPKPc	55	09.60	0.4	RJF	151.64	341	ePKP	55	23.00	5.6X		1.0s	10.00nm			4.8mb	
	0.8s	25.80nm					CAF	151.80	340	ePKP	55	23.40	5.7X	CAF	83.26	45	eP	06	44.60	-0.8
WLF	146.31	340	iPKPd	55	10.48	1.6	LFF	152.20	342	ePKP	55	24.30	6.1X		0.8s	4.15nm			4.5mb	
	1.1s	158.00nm						0.8s	10.50nm				MAF	83.29	44	eP	06	44.90	-0.6	
LANF	146.31	337	PKP	55	09.99	0.9	LPO	152.30	341	iPKPc	55	24.60	6.2X		0.8s	4.05nm			4.5mb	
SQTA	146.33	332	iPKPc	55	09.70	0.4	KIC	166.01	208	PKP	55	52.30	17.6X	BGF	83.40	44	eP	06	45.40	-0.6
	0.6s	19.70nm					LIC	166.01	206	PKP	55	51.20	16.5X		0.7s	13.10nm			5.1mb	
DOU	146.42	341	PKP	55	09.90	0.8	TIC	166.38	207	PKP	55	50.70	15.7X	AVF	83.68	43	eP	06	46.40	-1.0
	0.7s	37.80nm						S.D. = 1.1	on 58 of 112 obs.				SSF	83.71	43	eP	06	46.80	-0.8	
ECB	146.44	355	ePKP	55	10.20	1.1		SEP 03, 1993	12h	54m	21.91± 1.11s				0.9s	11.95nm			5.0mb	
ECP	146.59	355	ePKP	55	09.60	0.3		14.502 N ± 7.5km		92.745 W ± 6.4km			LOR	83.89	43	eP	06	48.00	-0.5	
OGA	146.68	332	iPKPc	55	11.40	1.4		DEPTH = 44.0 ± 9.6 km						SMF	84.04	43	eP	06	48.30	-1.0
WLS	146.95	337	PKP	55	11.55	1.4		4.9mb (34 obs.)							0.9s	6.40nm			4.7mb	
CDP	146.98	337	iPKPc	55	11.60	1.4		NEAR COAST OF CHIAPAS, MEXICO	(69)				NB2	84.05	28	P	06	49.70	0.6	
	0.8s	37.35nm												0.7s	3.10nm			4.5mb		
SLE	147.05	335	ePKP+	55	11.50	1.2	OXX	4.61	304	iP	55	29.00	-2.1	HAU	85.32	42	eP	06	55.40	-0.3
FEL	147.14	336	PKP	55	11.84	1.3	LVVM	6.30	326	eP	55	50.00	-4.6X		0.8s	9.80nm			5.0mb	
ECH	147.19	337	PKP	55	11.71	1.2	IIT	6.97	311	(P)	56	05.00	0.6	HFS	85.51	29	eP	06	56.50	0.2
OSS	147.21	332	iPKP+	55	12.70	1.9X	PPM	7.23	310	eP	56	09.00	0.7		0.8s	9.60nm			5.1mb	
LLS	147.56	334	ePKP+	55	13.30	1.9	ACX	7.24	290	eP	56	01.00	-7.0X	CDF	85.80	41	eP	06	57.80	-0.3
BSF	147.64	337	iPKPc	55	13.00	1.7	III	7.51	302	eP	56	10.00	-1.9	TIC	86.17	84	P	07	01.87	1.4
	0.9s	17.35nm					MRX	9.59	304	(P)	56	40.00	-0.4		0.8s	15.00nm			5.3mb	
HAU	147.66	338	iPKPc	55	13.30	2.1X	UYO	19.64	356	iPc	58	50.40	0.5	LIC	86.26	85	P	07	02.41	1.5
	0.7s	21.85nm					SDV	22.35	102	eP	59	19.60	1.8		0.8s	23.50nm			5.4mb	
VDL	147.66	333	ePKP+	55	13.80	2.3X	GBTN	22.42	18	(P)	59	20.28	2.1	LPL	86.28	44	eP	07	00.50	-0.3
LOMF	148.03	337	PKP	55	14.53	2.6X	ELC	22.91	7	(P)	59	22.93	0.1	LPG	86.30	44	eP	07	01.00	0.1
TMA	148.21	333	iPKP+	55	14.90	2.5X	TOV	22.92	99	eP	59	26.10	2.9X		1.1s	8.30nm			4.9mb	
MMK	148.64	334	iPKP+	55	16.60	3.4X	PV08	27.79	333	ePc	00	10.21	0.9	KIC	86.51	84	P	07	03.59	1.5
DIX	148.85	335	iPKP+	55	17.20	3.7X	PV10	27.81	332	ePc	00	09.32	0.0		0.8s	26.50nm			5.5mb	
FIR	148.85	328	ePKP	55	11.50	-1.7	PV09	27.95	332	eP	00	11.34	0.7	LRG	86.62	46	eP	07	02.30	0.2
FLN	148.99	346	iPKPc	55	16.30	3.0X	PLM	28.83	315	ePc	00	18.92	0.4		0.9s	13.75nm			5.2mb	
	0.9s	25.55nm					ARUT	29.58	325	ePc	00	26.19	1.0	LMR	86.76	46	eP	07	02.80	0.0
LDF	149.06	346	iPKPc	55	16.50	3.1X	RSSD	31.05	344	eP	00	37.88	-0.3		0.8s	13.15nm			5.2mb	
	0.6s	9.40nm						0.7s	9.52nm				SBF	87.25	45	eP	07	05.60	0.3	
LOR	149.15	340	iPKPc	55	17.10	3.5X	MEMM	32.74	320	eP	00	54.14	1.4		1.0s	20.60nm			5.3mb	
	0.7s	28.90nm					MMPM	32.77	319	eP	00	54.07	0.7	PGF	88.74	46	eP	07	12.10	-0.4
LBF	149.36	339	iPKPc	55	17.50	3.5X	HHAI	33.27	333	eP	00	57.39	-0.1		0.9s	13.75nm			5.3mb	
GRR	149.43	346	iPKPc	55	17.70	3.8X	LRM	35.36	336	iPc	01	16.50	1.0	GEC2	89.68	39	eP	07	16.90	0.1
	0.6s	13.55nm					ORV	35.48	320	eP	01	17.26	0.9		0.9s	1.46nm			4.3mb	
SSF	149.44	340	iPKPc	55	18.00	4.0X	LBFM	36.81	322	eP	01	27.90	0.2	GTA	125.10	348	ePKP	13	20.00	0.4
	0.8s	31.30nm					KMPM	37.62	319	eP	01	35.84	1.4	XAN	127.50	337	PKP	13	24.50	0.2
LSD	149.46	334	PKP	55	18.56	4.1X	FHC	37.76	320	eP	01	36.56	1.1	STK	127.68	241	ePKP	13	23.10	-1.5
HYF	149.53	341	ePKP	55	18.50	4.3X		0.7s	22.84nm						0.7s	3.60nm				
PCP	149.58	331	PKP	55	17.46	3.1X	LPZ	39.08	141	Pc	01	47.80	0.3	WB2	134.80	256	ePKP	13	38.00	-0.5
LPL	149.58	335	iPKPc	55	18.90	4.3X	LPB	39.29	141	eP	01	53.00	4.0X		0.5s	3.10nm				
	0.8s	19.35nm					DPW	39.40	333	ePc	01	49.67	0.5	WRA	134.81	256	PKP	13	38.70	0.2
LPG	149.59	335	iPKPc	55	19.00	4.3X	LON	40.29	329	eP	01	57.00	0.5		0.7s	3.30nm				
	0.8s	23.50nm					GMW	41.32	329	eP	02	03.84	-1.0	NDI	135.99	13	ePKP	13	42.00	1.5
RSP	149.66	334	PKP	55	17.64	3.1X	SIV	43.56	133	P	02	24.10	0.6	BDT	146.39	339	ePKP	13	59.00	-0.2
SMF	149.70	339	ePKP	55	18.20	3.8X	YKA	50.38	347	eP	03	16.20	-0.3		0.8s	67.50nm				
	0.7s	9.70nm						0.8s	25.10nm					HYB	147.14	15	ePKP	14	03.00	2.5X
AVF	149.73	340	ePKP	55	18.30	3.9X	BAO	53.41	122	Pd	03	40.10	0.0	NST	147.43	336	ePKP	14	03.50	2.6X
	0.7s	5.30nm						i		03	48.90		MBL	148.33	253	ePKP	14	04.90	2.7X	
LPF	149.80	346	iPKPc	55	18.70	4.2X	BALM	58.47	334	eP	04	15.84	0.0	GBA	150.43	20	PKP	14	06.60	1.0
	0.8s	26.05nm					INK	59.75	344	ePd	04	24.40	0.0		0.8s	2.00nm				
BHB	149.91	333	PKP	55	17.69	2.9X		0.8s	9.00nm					KOD	153.58	22	ePKP	14	22.00	11.4X
FIN	149.99	331	PKP	55	17.87	2.9X	KLU	60.21	334	ePc	04	27.94	0.2		S.D. = 0.9	on 81 of 89 obs.				
RRL	150.04	334	PKP	55	19.66	4.3X	TOA	60.59	334	eP	04	30.80	0.5							
ROB	150.08	332	PKP	55	18.61	3.5X	PMR	61.64	333	iPc	04	36.79	-0.5							
BGF	150.10	340	iPKPc	55	19.40	4.4X	SLKM	61.71	332	eP	04	37.26	-0.6							
	0.7s	20.50nm					FBA	62.50	337	eP	04	41.96	-1.1							
PZZ	150.25	333	PKP	55	18.97	3.5X		0.8s	9.62nm											
ENR	150.33	332	PKP	55	18.10	2.5X	RSO	62.87	331	eP	04									

03d 13h

is 16 31.50					MEXICO-GUATEMALA BORDER REGION (62)					VBEM 3.99 59 P 02 12.42 0.2				
IXG	2.58	90	eP	16 00.16 0.2						RVW	4.02	39	P	02 12.84 0.3
			eS	16 30.52						BMW	4.07	33	eP	02 11.90 -1.4
YUP	3.22	89	eP	16 09.62 0.7									eS	02 56.06
			eS	16 48.71						LVP	4.12	42	P	02 14.41 0.3
OXX	4.51	310	iP	16 34.00 6.7X						VLL	4.14	53	Pc	02 14.79 0.5
			(S)	17 19.00						GMO	4.17	69	Pc	02 14.29 -0.5
LVVM	6.37	330	eP	16 48.00 -5.4X						VFP	4.19	56	P	02 15.06 -0.1
PPM	7.17	313	eP	17 09.00 3.9X						MTMW	4.19	44	P	02 14.91 -0.2
III	7.38	305	eP	17 10.00 2.2X						FL2	4.24	42	P	02 16.06 0.2
MCMT	34.84	335	eP	22 10.20 0.5						APM	4.29	50	P	02 16.85 0.3
YKA	50.60	347	eP	24 14.90 -1.9						SHW	4.29	42	eP	02 16.29 -0.3
	0.9s		2.40nm	4.2mb									eS	03 06.23
INK	59.96	344	eP	25 25.00 0.6						HSR	4.31	43	P	02 17.28 0.4
GBA	150.85	19	PKP	35 11.00 6.0X						ERK	4.32	41	P	02 16.99 0.0
S.D. = 1.3 on 8 of 13 obs.										REMW	4.33	43	P	02 17.42 0.3
* SEP 03, 1993 13h 26m 51.17± 1.69s										YEL	4.33	42	P	02 17.48 0.3
14.101 N ±19.4km 92.959 W ±11.2km										STD	4.33	42	P	02 17.18 0.0
DEPTH = 33.0km (normal)										CROR	4.34	62	P	02 16.54 -0.6
NEAR COAST OF CHIAPAS, MEXICO (69)										CDFW	4.34	44	P	02 17.03 -0.1
MD 4.5 (GCG).										ESD	4.34	43	P	02 17.90 0.6
										SOSW	4.38	43	P	02 18.02 0.3
										TDL	4.42	41	P	02 18.35 0.0
										VIPM	4.42	69	P	02 17.89 -0.5
										GULW	4.45	49	P	02 18.89 0.1
										KOSW	4.51	40	P	02 19.79 0.2
										CPW	4.52	30	P	02 19.88 0.2
										ASR	4.60	47	P	02 21.02 0.1
										LMW	4.62	38	P	02 21.58 0.4
										VGB	4.71	57	eP	02 21.13 -1.3
										GLK	4.87	43	P	02 24.77 0.1
										MEW	4.89	32	P	02 26.90 2.0X
										LON	4.90	40	eP	02 25.10 0.0
										GL2	4.91	52	P	02 25.06 -0.2
										REMR	4.94	39	P	02 25.96 0.2
										RVC	4.97	38	P	02 26.24 0.2
										WPW	4.99	42	P	02 26.38 0.0
										RCS	5.03	40	P	02 27.49 0.4
										FMW	5.10	39	P	02 28.12 0.1
										ORV	5.11	132	eP	02 27.31 -0.7
													eS	03 23.78
										GMW	5.13	28	(P)	02 26.65 -1.7
										GSM	5.25	37	P	02 30.41 0.4
										JBO	5.27	61	P	02 29.98 -0.4
										RMW	5.44	35	eP	02 32.54 -0.2
										EBG	5.63	45	P	02 35.89 0.5
										HTW	5.73	33	P	02 36.02 -0.8
										TBM	5.79	43	P	02 38.04 0.4
										RSW	5.87	53	P	02 38.77 0.0
										JCW	5.99	30	P	02 40.57 0.2
										ETW	6.22	41	P	02 44.73 1.0
										CRF	6.22	51	P	02 43.27 -0.4
										RPW	6.35	31	P	02 45.51 -0.1
										SAW	6.75	44	P	02 50.21 -0.9
										COE	6.86	147	eP	02 52.62 0.0
										DPW	7.48	47	eP	02 59.88 -1.6
										BONR	8.02	127	eP	03 09.89 0.7
										BCH	9.29	146	eP	03 26.51 -0.1
										ISA	9.62	138	eP	03 31.80 0.6
										HHAI	10.24	84	eP	03 41.10 1.3
										LRM	10.34	70	eP	03 40.80 -0.5
										SSK	11.17	140	eP	03 52.97 0.4
										ARUT	11.20	114	eP	03 52.24 -0.7
										DAU	11.63	98	eP	03 59.61 0.7
										MSU	11.71	108	eP	03 58.55 -1.3
										EMUT	12.14	100	eP	04 06.69 0.9
										BW06	12.35	86	eP	04 08.63 0.0
										SRU	12.62	103	eP	04 12.65 0.6
										PV10	13.98	104	(P)	04 32.78 2.6X
										PV08	14.17	103	(P)	04 34.32 1.5
										FTC	16.36	126	eP	05 03.45 2.5X
											1.1s		7.89nm	3.8mb
										LTX	22.82	120	(P)	06 14.99 1.2
										UYO	26.37	99	iPd	06 49.60 2.0
										FVM	27.67	88	eP	06 59.14 -0.4
											0.5s		12.61nm	4.9mb
										S.D. = 0.7 on 89 of 92 obs.				
										* SEP 03, 1993 15h 30m 57.02± 0.92s				
										39.672 N ± 7.9km 29.410 E ± 8.6km				
										DEPTH = 10.0km (geophysicist)				
										TURKEY (366)				
										ML 2.7 (ISK).				
										DST 0.61 264 iPg 31 09.30 0.0				
										eSg 31 18.30				
										IZI 0.67 4 iPg 31 10.40 0.1				

03d 15h

eSg 31 20.40
 ALT 0.82 138 ePg 31 13.00 0.0
 eSg 31 24.00
 EYL 1.06 32 ePn 31 17.00 -0.1
 S.D. = 0.1 on 4 of 4 obs.

 SEP 03, 1993 15h 46m 39.67± 0.54s
 49.121 N ± 4.3km 6.886 E ± 7.5km
 DEPTH = 5.0km (geophysicist)
 GERMANY (543)
 ML 2.6 (STR), 2.5 (UCC).
 RUP 0.59 11 ePg 46 50.80 -0.7
 WLF 0.73 319 iPd 46 53.43 -0.7
 iS 47 02.71
 CDF 0.75 160 Pg 46 54.31 -0.6
 Sg 47 05.88
 WLS 0.77 156 Pg 46 54.56 -0.6
 Sg 47 05.88
 ECH 0.92 169 Pg 46 57.03 -0.8
 Sg 47 10.81
 VITF 1.08 214 Pg 46 59.75 -0.8
 Sg 47 14.98
 MOF 1.28 173 Pg 47 04.34 0.4
 BSF 1.29 183 Pg 47 04.52 0.4
 FEL 1.45 149 Pg 47 07.25 0.5
 TNS 1.50 42 ePnd 47 08.40 1.1
 eSn 47 27.80
 eSg 47 31.60
 ENN 1.76 340 ePn 47 13.00 2.0
 0.8s 13.10nm
 eSn 47 35.50
 LOMF 1.77 181 Pg 47 13.37 2.1
 DOU 1.78 304 P 47 10.40 -0.9
 i 47 13.80
 iS 47 32.00
 GEC2 4.50 91 Pn 47 48.80 -1.3
 Sn 48 39.60
 Sg 49 05.40
 S.D. = 1.2 on 14 of 14 obs.

 * SEP 03, 1993 15h 58m 17.03± 0.69s
 40.194 N ± 6.8km 29.215 E ± 6.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).
 IZI 0.24 54 iPg 58 22.40 0.1
 iSg 58 26.40
 DST 0.74 218 ePg 58 31.70 0.1
 EYL 0.81 62 ePg 58 32.20 -0.6
 EDC 1.05 279 ePn 58 36.00 -0.8
 CTF 1.12 328 iPn 58 38.90 0.8
 ALT 1.33 148 ePn 58 42.00 0.3
 S.D. = 0.8 on 6 of 6 obs.

 * SEP 03, 1993 16h 50m 20.07± 1.27s
 14.298 N ± 16.4km 93.114 W ± 9.1km
 DEPTH = 31.1 ± 6.4 km
 4.5mb (8 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 TPX 1.02 54 iPc 50 39.50 1.2
 iS 50 52.00
 PCG 2.43 87 eP 50 58.01 -0.7
 SCX 2.47 11 iP 50 59.50 0.5
 iS 51 36.00
 GCG 2.52 83 eP 51 00.49 0.6
 GCG 2.52 83 eP 51 01.21 1.3
 IXG 2.58 92 eP 50 59.70 -1.1
 YUP 3.21 91 eP 51 08.74 -1.0
 OXX 4.44 309 eP 51 24.50 -2.8
 (S) 52 08.50
 IIT 6.84 314 (P) 52 06.00 4.8X
 III 7.32 304 eP 52 09.00 1.1
 MRX 9.41 306 (P) 52 34.00 -2.6
 MRX 9.41 306 (P) 52 38.25 1.6
 LTX 17.87 329 eP 54 29.03 0.9
 UYO 19.82 357 iPd 54 48.30 -2.8
 MIAR 20.16 359 eP 54 52.61 -2.1
 0.9s 31.66nm 4.7mb
 MEO 20.99 347 iPd 55 02.60 -0.7
 PRM 21.97 24 ePc 55 12.38 -0.8
 JSC 22.60 26 ePc 55 19.61 0.3
 ALQ 23.82 332 eP 55 32.38 0.9
 0.8s 5.11nm 4.1mb
 TUC 24.12 321 eP 55 37.58 3.3X

1.1s 16.04nm 4.5mb
 GOL 27.50 339 eP 56 06.33 0.3
 1.0s 10.38nm 4.5mb
 PV08 27.81 333 eP 56 09.97 1.0
 PV10 27.82 332 eP 56 09.04 0.1
 MSU 29.42 329 (P) 56 24.40 1.0
 ARUT 29.55 326 ePc 56 25.79 1.4
 DAU 30.47 332 eP 56 28.78 -4.0X
 RSSD 31.15 345 eP 56 38.32 -0.2
 0.8s 4.38nm 4.3mb
 BW06 31.72 337 eP 56 42.34 -1.3
 1.9s 21.96nm 4.7mb
 HVU 32.25 332 (P) 56 47.95 -0.2
 BONR 32.46 321 eP 56 51.63 1.4
 e 57 00.10
 MCMT 34.74 335 ePc 57 11.30 1.5
 e 58 11.80
 LBFM 36.75 323 eP 57 27.10 0.3
 YKA 50.49 347 eP 59 16.00 -1.0
 0.8s 11.90nm 4.9mb
 SOB1 56.82 111 (P) 59 53.00 -11.4X
 KIC 86.88 84 P 03 03.00 -0.7
 GEC2 90.06 39 eP 03 18.00 -0.4
 1.0s 1.15nm 4.1mb
 GBA 150.74 19 PKP 10 11.00 5.1X
 0.8s 4.00nm
 S.D. = 1.4 on 32 of 37 obs.

 * SEP 03, 1993 17h 46m 56.60± 0.68s
 20.025 N ± 6.4km 12.811 W ± 14.7km
 DEPTH = 33.0km (normal)
 4.6mb (25 obs.)
 NORTHWEST AFRICA (550)
 MBO 6.86 216 eP 48 39.00 1.5
 eS 49 45.50
 KDS 7.44 175 iP 48 47.30 1.7
 iS 50 05.50
 CFTV 8.43 352 eP 48 58.30 -1.2
 iS 50 30.60
 GGC 8.46 343 iP 48 59.90 0.0
 iS 50 28.80
 CTFE 8.99 340 eP 49 07.00 -0.1
 iS 50 41.40
 CHIE 9.00 329 eP 49 05.00 -2.2
 iS 50 40.80
 YBT 10.23 16 iP 49 28.50 4.3X
 OUK 11.99 21 iP 49 51.50 3.4X
 CIA 12.04 17 iP 49 51.00 2.2X
 JHA 12.05 14 iP 49 49.50 0.6
 TNF 14.14 27 iP 50 20.00 3.4X
 TIC 15.30 149 P 50 30.53 -1.4
 0.4s 2.00nm 3.7mb
 S 53 13.81
 TGT 15.59 25 iP 50 45.50 10.0X
 LIC 15.66 150 P 50 35.85 -0.8
 0.4s 17.50nm 4.6mb
 S 53 21.15
 KIC 15.68 149 Pc 50 35.53 -1.3
 0.7s 418.50nm 5.7mb X
 S 53 22.53
 RSA 16.04 21 iP 50 50.50 9.2X
 EJIF 17.59 20 eP 51 02.00 1.2
 EPRU 18.13 20 eP 51 10.30 2.7X
 ECGO 18.99 23 eP 51 24.90 6.8X
 ELUQ 18.99 21 eP 51 20.00 1.9
 EBAN 19.70 22 eP 51 32.50 6.3X
 EHUE 19.83 24 eP 51 35.00 7.4X
 EVIA 20.58 23 eP 51 45.00 9.5X
 PAB 20.77 19 eP 51 44.00 6.6X
 EPLA 20.79 15 eP 51 44.30 6.8X
 GUD 21.84 18 eP 51 56.50 8.3X
 STS 23.07 8 eP 52 12.60 12.4X
 EPF 25.46 23 eP 52 31.00 7.7X
 0.8s 8.60nm 4.4mb
 LPO 27.20 22 eP 52 46.40 7.2X
 0.7s 7.30nm 4.4mb
 LFF 27.27 21 eP 52 47.30 7.5X
 0.7s 13.55nm 4.7mb
 CAF 27.73 23 eP 52 51.00 7.0X
 0.7s 11.45nm 4.7mb
 LMR 28.33 31 eP 52 57.40 8.0X
 1.1s 26.60nm 4.9mb
 FRF 28.57 30 eP 52 59.30 7.7X
 0.6s 7.20nm 4.5mb
 TCF 28.95 22 eP 53 02.40 7.4X
 0.7s 4.85nm 4.3mb

MAF 29.02 22 eP 53 03.20 7.6X
 1.2s 12.50nm 4.5mb
 BGF 29.41 22 eP 53 06.90 7.8X
 0.8s 13.15nm 4.7mb
 AVF 29.79 23 eP 53 10.20 7.7X
 0.7s 3.40nm 4.2mb
 SMF 29.85 23 eP 53 11.30 8.3X
 0.8s 5.25nm 4.4mb
 SSF 30.08 23 eP 53 12.80 7.7X
 0.6s 6.50nm 4.6mb
 LPG 30.10 28 eP 53 13.80 8.1X
 0.5s 5.05nm 4.6mb
 LPL 30.11 28 eP 53 13.70 8.1X
 0.6s 6.50nm 4.6mb
 LBF 30.18 23 eP 53 14.00 7.9X
 0.7s 5.85nm 4.5mb
 LOR 30.38 23 eP 53 15.30 7.6X
 1.0s 11.20nm 4.6mb
 Z 23s 0.13um 3.5mszX
 BSF 31.97 25 eP 53 28.70 6.9X
 0.8s 10.05nm 4.8mb
 CDF 32.63 25 eP 53 34.50 7.0X
 0.8s 5.50nm 4.5mb
 DOU 33.04 21 Pc 53 38.50 7.5X
 0.8s 28.30nm 5.2mb
 GRF 35.26 27 iPc 53 57.80 7.7X
 1.2s 18.00nm 4.9mb
 Z 21s 0.10um 3.5msz
 GEC2 35.77 30 eP 54 01.40 6.8X
 0.5s 2.64nm 4.4mb
 e 54 05.00
 e 54 12.40
 KHC 35.91 30 eP 54 03.50 7.8X
 e 54 15.50
 EKA 36.00 9 Pc 54 03.40 7.1X
 0.6s 3.50nm 4.5mb
 PRU 36.96 30 eP 54 20.50 16.1X
 ZST 37.03 34 eP 54 12.20 7.1X
 BRG 37.31 28 iP 54 16.20 8.8X
 HFS 44.29 19 eP 55 10.90 6.2X
 0.4s 4.30nm 4.6mb
 Z 19s 0.10um 3.7msz
 LR 09 47.00
 WRA 149.16 96 PKP 06 51.00 11.4X
 0.8s 0.80nm
 S.D. = 1.5 on 12 of 55 obs.

 * SEP 03, 1993 17h 50m 22.08± 1.50s
 54.888 N ± 17.3km 157.783 W ± 8.4km
 DEPTH = 33.0km (normal)
 4.2mb (4 obs.)
 SOUTH OF ALASKA (17)
 SPBA 1.61 288 eP 50 49.18 0.6
 SDN 1.62 287 iPc 50 50.40 1.7
 CDD 4.64 28 iP 51 32.54 0.8
 eS 52 21.96
 SYI 4.77 36 eP 51 35.35 2.0
 AUI 5.05 26 eP 51 38.05 0.6
 AUW 5.07 26 eP 51 38.40 0.7
 AGU 5.07 26 eP 51 38.80 0.9
 AUH 5.07 26 P 51 38.70 0.9
 AUP 5.08 26 iP 51 38.79 0.9
 AUE 5.09 26 P 51 38.70 0.8
 AUL 5.09 26 eP 51 38.85 0.8
 PDB 5.28 20 eP 51 40.98 0.3
 OPT 5.38 25 eP 51 42.56 0.5
 ILIM 5.82 25 eP 51 48.32 0.0
 CNPM 5.85 35 eP 51 49.13 0.3
 RSO 6.20 24 eP 51 49.61 -4.3X
 REF 6.24 24 eP 51 53.94 -0.5
 BKG 6.86 23 eP 52 02.13 -0.8
 SLKM 6.94 33 eP 52 04.03 0.0
 CP2 7.03 22 eP 52 04.09 -1.5
 CRP 7.06 23 eP 52 04.50 -1.3
 LTI 7.43 42 eP 52 11.41 0.5
 PMS 7.72 31 eP 52 13.95 -1.0
 PWL 7.82 36 eP 52 14.58 -1.8
 SKT 7.83 22 eP 52 15.94 -0.6
 PMR 8.12 31 (P) 52 19.58 -0.9
 HIN 8.19 43 eP 52 21.25 -0.2
 RAGM 8.92 47 eP 52 32.22 0.5
 HMT 9.07 48 eP 52 35.25 1.5
 KLU 9.10 39 eP 52 33.24 -0.9
 GLB 9.87 43 eP 52 44.25 -0.4
 YAH 10.19 51 eP 52 51.08 1.8
 BALM 10.24 47 eP 52 50.54 0.7

03d 17h

PAX 10.29 33 eP 52 49.36 -1.1
 ANM 10.43 342 (P) 52 45.51 -6.7X
 HDA 10.99 25 eP 52 55.41 -4.5X
 INK 17.54 30 eP 54 24.50 -0.7
 0.5s 4.00nm 3.8mb
 NB2 64.09 6 P 00 52.60 -2.0
 0.8s 1.70nm 4.2mb
 HFS 65.13 5 eP 00 58.80 -2.4
 0.5s 1.10nm 4.2mb
 GEC2 76.39 6 eP 02 08.90 -0.5
 0.6s 1.27nm 4.1mb
 S.D. = 1.1 on 37 of 40 obs.

* SEP 03, 1993 18h 14m 09.87± 0.81s
 41.265 S ± 5.5km 72.743 W ± 20.2km
 DEPTH = 33.0km (normal)
 5.2mb (9 obs.)

SOUTHERN CHILE (144)
 Felt (IV) at Puerto Montt and
 (III) at Osorno.

RFA 7.31 29 iPd 16 01.00 3.9X
 CACH 7.33 14 ePd 15 58.24 0.7
 LNV 7.37 9 ePd 15 57.61 -0.3
 TACH 7.73 11 iPd 16 02.35 -0.6
 LCCH 7.83 7 iP 16 02.60 -1.7
 PCH 7.83 14 ePd 16 04.19 -0.3
 FCH 8.16 15 eP 16 08.87 -0.4
 PEL 8.27 12 iPd 16 09.95 -0.6
 ROCH 8.39 10 iP 16 11.17 -1.2
 JACH 8.74 12 iP 16 15.36 -1.7
 CFA 10.30 22 ePc 16 38.70 0.3
 MRA 10.48 35 ePd 16 42.20 1.4
 TCA 11.88 36 e(P) 17 01.00 1.0
 HJA 19.02 21 ePc 18 36.00 4.4X
 YJA 19.99 20 ePd 18 43.70 0.7
 CNCB 24.71 11 P 19 32.00 2.0
 ARE 24.74 3 eP 19 32.00 2.0
 LPB 24.97 11 Pc 19 31.50 -0.8
 LPAZ 25.21 10 P 19 37.40 2.6
 SIV 27.13 25 P 19 51.50 -0.4
 SOB1 42.55 50 (P) 22 05.00 0.8
 SNA 45.27 153 iPc 22 26.60 1.1
 1.0s 52.00nm 5.4mb
 SPA 48.93 180 iPc 22 56.30 1.8
 0.6s 28.46nm 5.5mb
 CER 70.29 117 iPc 25 20.00 -2.0
 1.0s 60.00nm 5.6mb
 FRS 76.56 118 eP 25 56.60 -2.0
 1.0s 20.00nm 5.1mb
 BLF 77.55 118 eP 26 04.54 0.2
 LIC 77.68 70 Pc 26 05.24 0.3
 0.7s 13.00nm 5.1mb
 KIC 77.97 70 Pc 26 06.98 0.4
 0.7s 11.00nm 5.0mb
 TIC 77.97 70 Pc 26 06.90 0.3
 0.8s 9.50nm 4.9mb
 SEK 79.02 118 iPd 26 12.70 0.3
 0.8s 33.00nm 5.4mb
 KSR 80.14 116 eP 26 17.50 -1.0
 SLR 81.16 116 iPc 26 22.70 -1.1
 0.6s 19.00nm 5.3mb
 BUL 85.10 112 iPc 26 44.70 0.7
 GEC2 117.54 48 ePKP 32 52.40 -1.0
 0.6s 0.99nm
 NB2 122.37 35 PKP 33 00.70 -1.5
 0.7s 1.70nm
 GBA 142.14 128 PKP 33 35.00 -5.7X
 HYB 145.77 125 ePKP 33 47.00 0.1
 e 34 06.50
 S.D. = 1.2 on 34 of 37 obs.

* SEP 03, 1993 19h 42m 33.01± 2.83s
 31.717 S ± 13.5km 71.937 W ± 25.9km
 DEPTH = 28.8 ± 7.8 km
 NEAR COAST OF CENTRAL CHILE (135)
 MD 4.2 (SAN).

ROCH 1.48 148 iP+ 42 57.75 -0.3
 iS 43 16.18
 JACH 1.49 131 iP+ 42 57.55 -0.7
 iS 43 16.22
 PEL 1.77 144 iP+ 43 02.00 -0.2
 iS 43 24.37
 LCCH 1.78 170 iP+ 43 02.42 0.1
 iS 43 24.68
 TACH 2.11 157 iPd 43 06.84 -0.2

FCH 2.12 140 iP+ 43 07.63 0.1
 iS 43 33.99
 PCH 2.25 148 iP 43 09.08 0.0
 iS 43 36.42
 LNV 2.28 169 eP 43 08.75 -0.6
 iS 43 37.70
 RTRS 2.63 55 eP 43 16.00 1.6
 CACH 2.64 155 iP 43 15.52 0.8
 iS 43 47.19
 ZON 2.78 87 eP 43 18.00 1.4
 CFA 3.16 89 e(P) 43 23.00 1.1
 S 44 04.00
 RFA 4.21 137 ePd 43 38.00 1.1
 CYA 6.24 60 ePd 44 03.50 -2.1
 TCA 6.28 88 eP 44 04.00 -2.3
 (S) 45 13.50
 S.D. = 1.3 on 15 of 15 obs.

* SEP 03, 1993 19h 53m 42.24± 1.09s
 16.211 N ± 8.1km 122.484 E ± 14.9km
 DEPTH = 33.0km (normal)
 3.5mb (1 obs.)

LUZON, PHILIPPINE ISLANDS (249)

CVP 1.61 337 ePd 54 08.70 -0.1
 eS 54 31.00
 BCP 1.81 277 eP 54 11.00 -0.8
 eS 54 35.00
 QVP 2.13 222 eP 54 17.00 0.8
 eS 54 43.20
 GQP 2.29 181 eP 54 18.00 -0.5
 eS 54 46.00
 TGY 2.58 216 iPc 54 26.40 3.8X
 PIP 2.76 320 eP 54 25.50 0.4
 WRA 37.77 162 P 00 57.30 0.1
 0.7s 0.50nm 3.5mb
 S.D. = 0.8 on 6 of 7 obs.

? SEP 03, 1993 20h 03m 29.27± 4.49s
 16.096 N ± 15.5km 62.037 W ± 33.1km
 DEPTH = 181.2 ± 40.1 km

LEEWARD ISLANDS (92)

PAG 0.35 101 iPc 03 54.78 -0.2
 DOG 0.41 99 iPc 03 54.89 -0.2
 MGG 0.72 104 iPc 03 56.00 0.5
 SFG 0.82 79 iPc 03 56.25 0.1
 BPA 0.96 10 eP 03 57.18 0.1
 S 04 16.81
 DEG 0.96 77 iPd 03 56.89 -0.3
 S 04 16.20
 FDF 1.60 148 ePc 04 02.85 0.2
 S 04 29.60
 CRM 1.72 141 iPc 04 03.60 -0.2
 BIM 1.83 149 iPc 04 05.11 0.2
 MVM 1.89 144 iPc 04 05.42 -0.2
 S 04 33.80
 S.D. = 0.3 on 10 of 10 obs.

SEP 03, 1993 20h 24m 58.62± 0.63s
 10.791 N ± 6.1km 62.117 W ± 5.7km
 DEPTH = 49.4 ± 20.1 km
 NEAR COAST OF VENEZUELA (97)
 MD 3.7 (TRN).

TCE 0.37 105 iP 25 08.53 0.1
 TRN 0.72 101 iP 25 12.37 -0.3
 eS 25 21.65
 TPP 0.81 126 eP 25 13.82 0.0
 eS 25 23.10
 TBH 1.08 106 eP 25 17.15 -0.4
 eS 25 29.51
 TPR 1.37 73 eP 25 22.17 0.4
 eS 25 38.86
 BOT 1.42 75 eP 25 22.71 0.3
 GRW 1.43 18 eP 25 22.83 0.2
 eS 25 40.63
 FCV 2.50 20 eP 25 37.71 0.0
 eS 26 07.15
 SVB 2.61 19 eP 25 39.86 0.7
 eS 26 11.06
 SVV 2.66 19 eP 25 40.02 0.0
 eS 26 11.42
 SLB 3.19 19 eP 25 46.78 -0.9
 eS 26 23.74
 GUAN 3.57 257 iPc 25 53.20 0.1

BIM 3.84 15 eP 25 56.50 -0.3
 S 26 38.50
 MVM 3.93 18 eP 25 58.50 0.5
 FDF 4.03 13 eP 25 59.03 -0.4
 MGG 5.16 9 eP 26 15.70 0.4
 PAG 5.22 5 eP 26 15.95 -0.4
 DOG 5.23 5 eP 26 16.24 -0.2
 DEG 5.58 10 eP 26 21.00 -0.4
 S.D. = 0.4 on 19 of 19 obs.

% SEP 03, 1993 20h 56m 23.13± 0.72s
 44.088 N ± 6.6km 7.811 E ± 5.0km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.8 (GEN).

IMI 0.19 162 P 56 27.53 0.2
 S 56 30.73
 ROB 0.21 12 P 56 28.67 0.9
 S 56 32.70
 FIN 0.31 67 P 56 29.54 -0.1
 S 56 34.25
 ENR 0.31 296 P 56 29.91 0.2
 S 56 34.76
 STV 0.38 294 P 56 31.05 0.0
 S 56 36.59
 PZZ 0.66 310 P 56 35.67 -0.7
 PCP 0.70 49 P 56 36.31 -0.6
 S.D. = 0.7 on 7 of 7 obs.

% SEP 03, 1993 21h 40m 21.97± 0.64s
 39.978 N ± 6.0km 29.226 E ± 5.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.59 231 iPg 40 32.90 -1.1
 KCT 0.72 292 iPg 40 36.80 0.7
 eSg 40 47.30
 HRT 0.91 22 iPn 40 38.40 -1.0
 EYL 0.92 50 ePn 40 40.10 0.4
 BNT 1.07 291 iPn 40 42.30 0.2
 EDC 1.11 290 ePn 40 43.00 0.3
 ALT 1.15 143 ePn 40 44.00 0.5
 CTT 1.32 333 iPn 40 46.10 -0.2
 MFT 1.69 299 ePn 40 52.00 0.2
 S.D. = 0.7 on 9 of 9 obs.

SEP 03, 1993 22h 14m 56.68± 1.12s
 38.222 N ± 10.1km 28.232 E ± 5.2km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)
 ML 3.1 (ISK).

CIN 0.63 191 ePg 15 14.00 4.7X
 iSg 15 26.00
 IZM 0.78 283 iPg 15 12.40 0.0
 eSg 15 22.90
 KHL 1.02 84 ePg 15 16.50 0.0
 eSg 15 30.50
 DST 1.42 12 iPn 15 22.80 -0.3
 ALT 1.69 60 ePn 15 27.00 -0.1
 KCT 2.03 3 ePn 15 32.30 0.4
 EDC 2.14 352 ePn 15 33.00 -0.5
 BNT 2.14 354 iPn 15 34.30 0.7
 IZI 2.32 24 ePn 15 36.00 -0.2
 MFT 2.66 344 ePn 15 41.00 -0.1
 EYL 2.78 32 ePn 15 43.30 0.6
 HRT 2.82 23 ePn 15 43.40 0.1
 ISK 2.91 12 ePn 15 44.00 -0.5
 S.D. = 0.4 on 12 of 13 obs.

? SEP 03, 1993 22h 53m 02.20± 0.63s
 7.836 N ± 10.5km 136.839 E ± 24.8km
 DEPTH = 33.0km (normal)
 4.7mb (6 obs.)
 WESTERN CAROLINE ISLANDS (209)

WB2 27.71 185 eP 58 49.30 -0.4
 0.5s 3.60nm 4.3mb
 ASPA 31.44 185 eP 59 22.30 -0.6
 0.8s 9.40nm 4.7mb
 TIA 33.49 330 Pd 59 40.20 -0.5
 XAN 36.63 319 P 00 08.00 0.4
 1.0s 8.90nm 4.6mb
 pP 00 12.40 15kmX

			i	11	14.80	
KAF	55.77	335	iP	11	12.50	-0.2
GEC2	57.64	317	eP	11	25.40	-0.9
	0.8s		1.26nm			4.0mb
BRG	57.91	320	iP	11	28.50	0.5
CLL	58.58	320	e(P)	11	31.00	-1.7
CDF	61.79	316	eP	11	54.20	-0.7
	1.0s		4.40nm			4.5mb
LPG	61.90	313	eP	11	54.80	-1.1
	0.8s		7.00nm			4.8mb
LPL	61.92	313	eP	11	55.50	-0.4
	0.9s		6.90nm			4.8mb
NB2	61.94	331	P	11	54.00	-1.6
	1.1s		5.40nm			4.6mb
BSF	62.06	315	eP	11	54.70	-2.0
	0.9s		5.10nm			4.7mb
YSS	63.38	46	eP	12	05.00	-0.2
	0.9s		20.00nm			5.2mb
LBF	63.91	314	eP	12	08.30	-0.5
	0.8s		2.55nm			4.4mb
SMF	63.99	314	eP	12	09.20	-0.1
	0.9s		6.70nm			4.7mb
LOR	64.00	315	eP	12	08.50	-0.9
	0.8s		2.70nm			4.4mb
SSF	64.23	314	eP	12	10.30	-0.6
	0.7s		3.10nm			4.5mb
TCF	65.10	314	eP	12	16.80	-0.3
	1.2s		6.85nm			4.6mb
LDF	66.71	316	eP	12	27.30	0.5
	1.1s		14.15nm			5.0mb
FLN	66.95	316	eP	12	28.10	-0.2
	0.9s		10.80nm			4.9mb
WRA	69.98	119	P	12	48.80	1.2
	0.6s		2.70nm			4.5mb
ASPA	71.38	123	eP	12	56.60	0.6
	1.7s		10.20nm			4.6mb
KIC	77.17	273	P	13	31.82	2.2
TOO	86.55	131	eP	14	20.20	2.1
	1.0s		25.00nm			5.4mb X
			e	16	27.90	
CCH	141.72	263	PKP	21	12.50	4.5X
CNCB	143.42	265	PKP	21	10.00	-1.2
LPB	143.50	265	ePKP	21	08.00	-3.2X
LPBZ	143.50	266	(PKP)	21	15.00	3.5X
	S.D. = 1.2 on 46 of 54 obs.					

	SEP 03, 1993	23h 09m	42.97±	1.18s		
	7.970 S ± 4.9km	127.285 E ± 6.9km				
	DEPTH = 58.9 ± 12.5 km					
	5.1mb (15 obs.)					
BANDA SEA						(280)
MTN	6.15	142	eP	11	14.20	0.9
WSI	7.11	256	e(P)	11	27.70	0.9
KNA	7.87	170	iPc	11	36.50	-0.7
			eS	12	58.00	
WB2	13.73	151	iPc	12	48.50	-7.9X
			eS	15	17.30	
TRT	14.52	270	ePd	13	08.30	1.6
MBL	14.96	208	iPc	13	10.50	-1.9
			iS	15	45.00	
ASPA	16.85	159	eP	13	35.20	-1.3
			eS	16	32.30	
QIS	17.28	138	eP	13	40.30	-1.5
			eS	16	41.00	
NANU	18.39	217	eP	13	55.00	-0.5
	0.4s		11.00nm			4.4mb
			eS	17	10.00	
PLP	19.15	353	ePd	14	06.00	1.5
PMG	19.70	96	eP	14	16.00	5.6X
MEEK	20.31	203	eP	14	16.40	-0.3
			eS	17	53.00	
CTA	21.96	125	iP	14	27.00	-6.5X
			e(S)	19	12.00	
FORT	22.70	178	eP	14	42.00	1.4
COOL	23.51	193	eP	14	49.00	0.5

STK	27.27	153	eP	15	24.20	0.5
	0.9s		3.30nm			3.9mb X
			eS	20	35.10	
BWA	32.73	147	eP	16	18.50	6.2X
CAN	33.72	147	eP	16	25.40	4.6X
NST	35.71	311	eP	16	38.00	0.0
BDT	37.54	312	eP	16	53.00	-0.3
CHTO	38.59	314	ePd	17	02.50	0.3
	0.9s		19.61nm			5.0mb
SSE	39.28	352	P	17	07.50	-0.2
	1.0s		23.00nm			5.0mb
GVA	39.65	330	iPd	17	11.80	0.8
	1.0s		27.00nm			5.1mb
DZM	40.20	115	iPd	17	17.30	1.7
WHN	40.25	343	Pc	17	17.00	1.2
NJ2	40.60	349	Pd	17	19.70	1.1
	1.1s		36.00nm			5.1mb
CD2	44.75	331	iPc	17	51.90	-0.7
TTA	44.97	348	Pd	17	53.70	-0.5
	1.0s		15.00nm			4.8mb
XAN	45.26	338	P	17	55.00	-1.5
	1.0s		31.00nm			5.1mb
TIY	47.52	344	eP	18	13.00	-1.3
BJI	48.86	349	eP	18	23.50	-1.1
	1.0s		11.00nm			4.8mb
LZH	49.06	335	iPc	18	26.30	-0.1
	1.2s		80.00nm			5.6mb
SNY	49.67	356	eP	18	30.80	0.1
MDJ	52.38	2	eP	18	52.00	0.7
GTA	53.58	334	P	19	00.00	-0.4
	1.0s		36.00nm			5.4mb
			pP	19	19.00	75kmX
GUN	53.61	313	P	19	00.60	-0.5
	0.6s		41.00nm			5.6mb
KKN	53.97	313	P	19	03.00	-0.6
	0.6s		32.00nm			5.5mb
DMN	54.00	313	P	19	02.80	-1.0
	0.4s		11.00nm			5.2mb
WMQ	62.78	329	iPd	20	03.60	-1.0
	1.0s		17.00nm			5.1mb
RSTA	147.38	186	ePKP	29	23.60	3.7X
NNA	148.88	129	iPKPc	29	28.00	5.4X
	0.5s		8.45nm			
PPD	150.15	183	ePKP	29	29.90	5.6X
			e	29	35.40	
CNCB	151.11	149	PKP	29	28.00	1.5
			i	29	34.20	
LPB	151.29	148	PKP	29	34.00	7.4X
LPAZ	151.47	148	PKPc	29	34.20	7.0X
			i	29	44.20	
CCH	151.53	152	PKP	29	32.50	5.6X
	S.D. = 1.0	on	39 of 50 obs.			

%	SEP 04, 1993	00h	14m	49.50±	1.03s	
	32.209 S ± 7.5km		117.381 E ± 11.5km			
	DEPTH = 10.0km		(geophysicist)			
	WESTERN AUSTRALIA				(590)	
KLB	0.69	28	eP	15	03.10	-0.1
			eS	15	11.80	
NWAO	0.73	190	eP	15	03.80	0.0
			eS	15	12.90	
MUN	1.02	283	eP	15	08.70	-0.1
			eS	15	22.30	
BAL	1.70	340	eP	15	20.30	1.0
			eS	15	42.00	
MRWA	3.21	338	eP	15	40.20	-0.8
			eS	16	19.00	
	S.D. = 0.9	on	5 of 5 obs.			

	SEP 04, 1993	00h	45m	37.75±	0.94s	
	14.474 N ± 10.6km		92.781 W ± 6.5km			
	DEPTH = 56.9 ± 7.1 km					
	4.4mb (18 obs.)					
	NEAR COAST OF CHIAPAS, MEXICO				(69)	
	MD 4.5 (GCG).					
TPX	0.66	49</				

IIT	6.96	311	(P)	47	09.50	-10.3X
PPM	7.22	310	eP	47	23.25	-0.4
			(S)	48	31.50	
MRX	9.58	304	(P)	47	54.50	-1.1
LTX	17.89	328	eP	49	44.08	-0.2
UYO	19.67	356	iPc	50	03.30	-1.6
MIAR	20.00	358	eP	50	07.61	-0.7
	0.8s	21.90nm			4.5mb	
		eS	53	42.45		
MEO	20.89	347	iPd	50	16.80	-0.7
TUL	21.52	353	iP	50	25.70	1.9
PRM	21.68	24	eP	50	25.20	-0.3
MYNC	21.94	19	(P)	50	28.75	0.6
	1.0s	9.69nm			4.2mb	
JSC	22.30	26	eP	50	31.73	0.1
ALQ	23.82	331	eP	50	47.80	1.2
	0.8s	6.44nm			4.2mb	
TUC	24.19	320	eP	50	52.04	1.9
	0.9s	10.30nm			4.3mb	
CEH	24.61	27	eP	50	53.37	-0.6
	0.6s	8.72nm			4.4mb	
GOL	27.45	339	eP	51	20.52	-0.1
	0.8s	4.42nm			4.1mb	
PV08	27.80	333	eP	51	25.14	1.2
PV10	27.82	332	eP	51	23.95	0.0
PV09	27.96	332	eP	51	25.59	0.3
ARUT	29.58	326	eP	51	40.60	0.8
RSSD	31.07	344	(P)	51	52.85	0.0
	0.5s	1.72nm			4.0mb	
BW06	31.69	336	eP	51	58.03	-0.3
	1.0s	3.86nm			4.2mb	
HVU	32.25	331	eP	52	04.17	1.0
BONR	32.53	321	eP	52	06.91	1.1
LRM	35.37	336	ePc	52	31.00	0.9
LBFM	36.81	322	eP	52	42.43	0.2
LON	40.29	329	(P)	53	12.23	1.2
YKA	50.40	347	eP	54	30.20	-0.8
	0.7s	7.50nm			4.8mb	
SOB1	56.58	111	eP	55	17.60	0.2
INK	59.77	344	eP	55	39.00	0.1
	0.9s	3.00nm			4.4mb	
KLU	60.22	334	eP	55	42.53	0.4
FBA	62.51	337	eP	55	56.84	-0.6
	0.8s	3.19nm			4.5mb	
LSF	82.63	44	eP	57	53.20	-3.1X
	0.9s	4.90nm			4.5mb	
MAF	83.33	44	eP	57	56.50	-3.5X
	0.9s	3.10nm			4.3mb	
BGF	83.44	44	eP	57	58.20	-2.3
	1.0s	7.60nm			4.7mb	
SSF	83.76	43	eP	57	59.90	-2.2
	0.7s	2.55nm			4.4mb	
LOR	83.94	43	eP	58	01.20	-1.8
	0.7s	2.10nm			4.3mb	
TIC	86.21	84	P	58	15.57	0.6
LIC	86.30	85	P	58	15.17	-0.2
	0.7s	3.00nm			4.6mb	
KIC	86.54	84	P	58	16.35	-0.2
	1.0s	16.00nm			5.2mb	
WRA	134.77	256	PKP	04	53.30	0.7
	0.7s	0.30nm				
GBA	150.47	20	PKP	05	25.60	5.8X
	1.0s	4.00nm				
S.D. = 1.1 on 42 of 47 obs.						

* SEP	04,	1993	02h 01m	28.03±	2.19s	
13.943 N ±24.1km 93.154 W ±12.1km						
DEPTH = 42.8 ± 19.2 km						
4.4mb (1 obs.)						
OFF COAST OF CHIAPAS, MEXICO (68)						
TPX	1.29	42	iP	01	48.50	-1.4
	</					

INK	60.18	344	eP	11	45.50	12.0X
	0.6s	1.00nm				
GBA	151.09	19	PKP	21	32.00	19.2X
	S.D. = 1.4	on		9 of	12 obs.	

&	SEP 04,	1993	03h 32m	31.96s		
	58.258 N			151.611 W		
	DEPTH = 13.4km					
	KODIAK ISLAND REGION				(13)	
	<AEIC>. ML 2.9 (AEIC).					
SYI	0.54	311	iP	32	42.25	-0.5
			eS	32	50.73	
KDC	0.69	223	ePc	32	44.46	-0.9
			eS	32	53.76	
XLV	1.20	357	eP	32	52.75	-1.3
			eS	33	08.39	
CDD	1.26	303	iP	32	53.03	-2.0
			eS	33	08.63	
CNPM	1.29	9	eP	32	53.45	-2.0
HOM	1.40	359	eP	32	55.91	-1.2
AUE	1.44	321	eP	32	56.01	-1.5
AUI	1.44	320	eP	32	56.42	-1.1
			eS	33	15.44	
AUP	1.45	320	eP	32	56.89	-1.0
AGU	1.46	320	P	32	57.00	-1.0
AUH	1.46	320	eP	32	57.64	-0.4
AUL	1.47	321	eP	32	57.40	-0.7
AUW	1.48	320	eP	32	57.13	-1.0
BRLK	1.56	14	eP	32	57.96	-1.4
OPT	1.63	330	eP	32	58.91	-1.5
			eS	33	19.74	
ILIM	1.96	340	eP	33	02.63	-2.5
INE	1.96	338	eP	33	02.84	-2.4
INW	1.98	337	eP	33	03.70	-1.8
PDB	2.03	320	eP	33	03.96	-2.3
SEW	2.16	30	eP	33	04.31	-3.7
RED	2.25	345	P	33	06.50	-2.9
RSO	2.29	346	iP	33	06.60	-3.5
RS2	2.29	346	eP	33	06.40	-3.7
RDT	2.36	350	P	33	07.80	-3.2
SLKM	2.37	17	P	33	07.80	-3.2
DFR	2.41	347	P	33	08.80	-2.8
NCT	2.41	344	iP	33	08.95	-2.7
NKA	2.50	4	P	33	10.00	-2.8
MPA	2.52	26	iP	33	09.87	-3.2
LTI	2.63	46	eP	33	11.74	-3.1
BKG	2.84	354	P	33	15.30	-2.5
PTE	2.93	26	P	33	15.30	-3.6
CRP	3.03	355	eP	33	20.12	-0.4
BGL	3.04	353	eP	33	18.48	-2.2
PWL	3.10	31	eP	33	17.26	-4.1
HIN	3.38	49	eP	33	21.53	-3.9
SVW	3.51	326	P	33	23.20	-4.0
CFI	3.52	32	eP	33	23.83	-3.5
PLRM	3.57	19	eP	33	23.97	-4.1
PMR	3.57	19	(P)	33	28.83	0.8
FID	3.62	44	eP	33	23.88	-4.9
VZW	3.80	40	eP	33	27.51	-4.0
VLZ	3.93	41	eP	33	29.35	-3.8
SGAM	3.97	53	eP	33	29.86	-3.9
KLU	4.33	39	eP	33	35.02	-3.9
TTA	5.16	337	(P)	33	50.36	-0.4
	46 obs. associated					

? SEP 04,	1993	03h 33m	06.35± 0.80s			
	31.332 S	±15.1km	68.251 W	±10.6km		
	DEPTH = 100.0km (geophysicist)					
	SAN JUAN PROVINCE, ARGENTINA				(137)	
CFA	0.27	178	ePd	33	21.80	0.5
			S	33	32.00	
RTCV	0.58	205	iPc	33	23.00	0.0
			S	33	35.50	
RTRS	1.56	318	eP	33	34.00	0.3
			S	33	55.00	
MRA	2.42	117	ePd	33	45.60	0.7
			(S)	34	11.10	
TCA	3.13	91	iP	33	54.50	-0.3
			(S)	34	30.00	

QZH	3.91	287	ePn	35	14.50	-0.8
			Sn	35	58.60	
SSE	7.37	350	Pc	36	03.50	-0.6
	1.0s	11.00nm				4.8mb X
	Z 20s	0.60um				
	N 12s	0.50um				
		pP	36	10.00		
NJ2	8.88	338	Pc	36	29.40	4.3X
	1.0s	16.00nm				5.1mb X
XAN	15.77	313	P	38	02.50	5.1X
	1.4s	10.00nm				3.8mb
CD2	18.23	297	eP	38	28.60	0.2
	Z 10s	0.95um				
	N 10s	0.72um				
LZH	20.36	311	eP	38	53.00	0.3
	1.5s	27.00nm				4.4mb
	Z 13s	0.51um				4.1MsZx
	E 12s	0.27um				
		pP	39	02.00		34kmX
GTA	24.83	314	eP	39	38.00	1.1
	1.5s	7.00nm				4.0mb
	Z 14s	0.41um				4.1MsZx
WRA	44.95	164	P	42	29.80	-0.2
	0.7s	0.40nm				3.4mb
GEC2	84.00	321	ePc	46	43.90	-0.7
	0.9s	3.08nm				4.5mb
		e	46	46.40		
		e	46	51.90		
GRF	84.97	323	eP	46	50.00	0.7
	S.D. = 0.8	on	8 of 10 obs.			
<hr/>						
?	SEP 04, 1993	03h 34m	59.57±	2.64s		
	13.875 N ±25.1km	93.308 W ±17.9km				
	DEPTH = 33.0km	(normal)				
	3.9mb (2 obs.)					
	OFF COAST OF CHIAPAS, MEXICO					(68)
TPX	1.44	45	iP	35	22.50	-1.1
			iS	35	39.50	
IXG	2.79	84	eP	35	43.39	0.4
			eS	36	14.70	
SCX	2.92	13	eP	35	46.00	1.3
			iS	36	17.00	
YUP	3.42	84	eP	35	52.12	0.1
OXX	4.58	315 (P)	36	38.50	29.9X	
MIAR	20.58	359 (P)	39	37.45	-0.9	
	0.8s	2.78nm				3.7mb
YKA	50.86	347	eP	43	59.20	0.2
	0.7s	1.80nm				4.2mb
	S.D. = 1.1	on	6 of 7 obs.			
<hr/>						
*	SEP 04, 1993	03h 42m	33.09±	1.18s		
	7.102 S ± 8.6km	132.887 E ±19.7km				
	DEPTH = 10.0km	(geophysicist)				
	TANIMBAR ISLANDS REG., INDONESIA(281)					
TLE	1.46	355	iPb	42	59.00	-0.5
			iS	43	13.80	
SLKI	1.80	241	ePd	43	04.60	0.2
MTN	5.96	197	eP	44	02.40	-1.2
			eS	45	08.00	
KNA	9.49	205	eP	44	47.00	-5.9X
			eS	46	46.00	
WB2	12.85	174	iPd	45	39.40	0.8
			eS	47	54.90	
CHTO	42.23	308	eP	50	28.90	0.6
	S.D. = 1.2	on	5 of 6 obs.			
<hr/>						
*	SEP 04, 1993	03h 44m	03.56±	1.62s		
	3.190 S ± 8.6km	78.244 W ±26.8km				
	DEPTH = 84.3 ± 20.2 km					
	4.7mb (2 obs.)					
	PERU-ECUADOR BORDER REGION					(110)
PSO	4.45	12	eP	45	10.50	0.1
BOG	8.81	28	eP	46	29.00	18.4X
			eS	48		

04d 03h

e 53 18.00
CCH 18.44 141 eP 48 22.00 6.4X
MEO 42.34 335 iPc 51 50.30 -0.6
GOL 49.43 332 eP 52 46.51 -0.7
0.6s 2.80nm 4.4mb
PV08 50.16 329 (P) 52 53.38 0.4
PV10 50.21 328 eP 52 52.93 -0.3
DAU 52.87 329 (P) 53 14.06 0.7
ORV 58.19 321 (P) 53 50.97 -0.2
INK 80.78 342 eP 56 09.50 0.6
WB2 140.59 233 ePKP 03 23.30 -2.6X
0.4s 0.90nm

S.D. = 0.6 on 10 of 18 obs.

* SEP 04, 1993 03h 54m 19.34± 1.27s
14.120 N ±16.5km 93.276 W ± 7.8km
DEPTH = 50.0km (geophysicist)
4.0mb (3 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.26 51 iP 54 40.75 -0.1
iS 54 58.00
SCX 2.67 13 eP 55 01.00 0.2
iS 55 32.50
IXG 2.74 89 ePd 55 02.03 0.1
eS 55 35.74
YUP 3.37 88 eP 55 11.02 0.0
OXX 4.44 312 (P) 55 36.50 10.5X
(S) 56 25.00
PPM 7.11 315 (P) 56 04.00 0.2
(S) 57 29.00
LTX 17.94 329 (P) 58 26.48 -0.5
ALQ 23.90 332 eP 59 30.42 0.7
0.9s 2.81nm 3.8mb
TUC 24.16 322 eP 59 32.13 0.0
0.9s 3.87nm 3.9mb
YKA 50.63 347 eP 03 14.50 -0.7
0.6s 3.00nm 4.5mb
GBA 150.96 19 PKP 14 12.00 9.0X
S.D. = 0.5 on 9 of 11 obs.

SEP 04, 1993 04h 32m 15.97± 0.66s
23.768 N ± 7.2km 122.903 E ±10.0km
DEPTH = 33.0km (normal)
4.3mb (13 obs.) 4.3Msz (1 obs.)

TAIWAN REGION (243)
ML 3.8 (BJI).

QZH 4.10 287 Pn 33 16.70 -1.2
Z 10s 2.92um
E 10s 1.06um
CVP 6.12 190 ePd 33 45.00 -1.5
SSE 7.46 349 P 34 04.50 -0.7
1.0s 21.00nm 5.1mb
Z 16s 1.30um
N 12s 1.40um
pP 34 11.50
HKC 8.17 261 iP 34 14.90 -0.3
NJ2 8.99 337 eP 34 24.00 -2.5
Z 12s 0.62um
S 36 08.00
QIZ 13.04 251 eP 35 27.20 5.6X
N 15s 1.09um
E 16s 1.16um
GYA 14.95 284 P 35 51.40 4.6X
XAN 15.94 313 P 36 04.50 5.0X
1.4s 10.00nm 3.8mb
pP 36 11.80
TIY 16.54 330 eP 36 10.80 3.7X
Z 14s 1.19um
E 11s 0.49um
BJI 17.19 342 eP 36 18.00 2.9X
Z 12s 0.30um
N 11s 0.49um
KMI 18.41 278 Pd 36 37.50 6.9X
0.8s 70.00nm 4.9mb
KMI 18.41 278 eP 36 40.00 9.4X
2.0s 50.00nm 4.3mb
CD2 18.42 297 eP 36 30.80 0.2
Z 10s 1.33um
N 10s 0.80um
HHC 19.51 333 eP 36 44.60 1.1
BTO 19.97 330 eP 36 48.00 -0.4
N 11s 0.22um
E 12s 0.37um
eS 40 29.00
LZH 20.54 311 eP 36 55.00 0.6

1.5s 40.00nm 4.6mb
Z 14s 0.60um 4.1MszX
E 12s 0.33um
pP 37 08.00 57kmX
MDJ 21.50 13 eP 37 05.00 1.0
CHTO 22.85 262 ePd 37 19.60 2.1
0.8s 10.07nm 4.4mb
GTA 25.00 314 eP 37 39.50 1.1
1.5s 10.00nm 4.2mb
Z 18s 0.80um 4.3Msz
KKN 34.03 285 P 39 00.00 0.6
WRA 44.85 165 P 40 24.10 -5.0X
0.5s 1.40nm 4.1mb
WB2 44.86 165 iPd 40 29.20 0.1
0.5s 1.30nm 4.1mb
INK 73.02 22 eP 43 44.00 0.0
1.0s 3.00nm 4.2mb
HFS 78.69 331 eP 44 15.50 -0.7
0.7s 1.50nm 4.1mb
NB2 79.32 333 P 44 19.20 -0.5
0.9s 5.20nm 4.5mb
OJC 80.00 321 eP 44 23.90 0.4
SPC 80.17 319 eP 44 24.40 -0.2
e 45 03.40
e 47 13.80
GEC2 84.16 321 ePKP 44 46.00 0.8
0.9s 12.28nm 5.1mb
e 44 49.90
UYO 112.32 33 iPd47 13.40 19.2X
S.D. = 1.1 on 20 of 29 obs.

SEP 04, 1993 04h 35m 01.36± 0.25s
0.059 S ± 5.1km 16.587 W ± 4.6km
DEPTH = 10.0km (geophysicist)
5.1mb (48 obs.) 4.6Msz (7 obs.)
NORTH OF ASCENSION ISLAND (407)

KING 10.62 20 P 37 30.96 -5.8X
MAMG 11.24 24 P 37 45.18 -0.1
LIC 13.12 61 P 38 09.99 -0.5
1.2s 62.00nm 5.6mb
KDS 13.27 19 iPn 38 08.00 -4.5X
iPg 38 10.00
iS 38 27.80
TIC 13.32 60 P 38 12.15 -1.1
0.6s 7.00nm 4.9mb
KIC 13.43 61 P 38 12.91 -1.7
1.2s 86.50nm 5.7mb
SOB1 25.85 249 (P) 40 36.00 1.0
BAO 34.65 242 eP 41 52.00 -1.5
EPRU 38.31 15 eP 42 30.00 6.0X
ECOG 39.05 17 eP 42 35.20 4.9X
EHOR 39.12 14 eP 42 34.40 3.7X
ELUQ 39.12 16 eP 42 34.80 3.9X
EBAN 39.82 16 eP 42 40.00 3.4X
PPD 40.27 235 (P) 42 42.00 1.5
PAB 40.97 14 eP 42 51.00 4.9X
eS 49 10.00
EPLA 41.07 12 eP 42 47.50 0.7
GUD 42.06 14 eP 42 55.00 -0.1
POF 45.43 133 eP 43 24.00 1.6
0.3s 6.00nm 5.0mb
EPF 45.51 17 eP 43 23.80 0.9
1.4s 46.20nm 5.2mb
SIV 46.65 248 P 43 31.30 -0.9
LSZ 46.73 111 iPc 43 35.00 2.0
CER 47.26 138 e(P) 43 33.00 -3.8X
LPO 47.26 17 eP 43 37.10 0.4
1.5s 29.25nm 5.2mb
LFF 47.37 17 eP 43 38.10 0.6
1.5s 72.60nm 5.5mb
CAF 47.75 18 eP 43 40.60 0.1
1.4s 27.00nm 5.1mb
RJF 47.93 17 eP 43 42.10 0.2
1.5s 39.15nm 5.3mb
Z 23s 0.75um 4.6MszX
BUL 48.52 117 iPc 43 47.50 0.5
MFF 48.66 15 eP 43 47.60 0.1
1.6s 43.55nm 5.3mb
LSF 48.79 17 eP 43 48.90 0.4
1.5s 43.35nm 5.3mb
TCF 49.02 17 eP 43 51.10 0.7
1.6s 36.05nm 5.2mb
MAF 49.07 18 eP 43 51.50 0.8
1.5s 43.85nm 5.3mb
KSR 49.14 125 eP 43 51.50 -0.3
1.0s 40.00nm 5.4mb

FRS 49.63 130 e(P) 43 42.00 -13.2X
AVF 49.82 18 eP 43 56.60 0.2
1.6s 15.55nm 4.7mb
LPG 49.83 21 eP 43 57.90 1.0
1.6s 53.50nm 5.3mb
LPL 49.84 21 eP 43 57.80 0.9
1.4s 37.45nm 5.2mb
SMF 49.84 18 eP 43 56.90 0.3
1.3s 12.25nm 4.7mb
BLF 50.00 129 eP 43 55.00 -3.3X
SSF 50.11 18 eP 43 59.00 0.3
1.6s 29.85nm 5.0mb
LBF 50.19 18 eP 43 59.40 0.1
1.6s 32.95nm 5.0mb
SLR 50.23 124 eP 43 58.70 -1.4
1.0s 50.00nm 5.4mb
LOR 50.40 18 eP 44 01.00 0.1
1.5s 17.75nm 4.8mb
Z 24s 0.60um 4.5MszX
FLN 50.58 14 eP 44 00.60 -1.6
1.2s 23.80nm 5.0mb
SEK 50.77 127 iPc 44 04.50 0.3
0.9s 33.00nm 5.3mb
CCH 51.69 248 eP 44 10.00 -1.6
BSF 51.85 20 eP 44 11.40 -0.6
1.5s 41.80nm 5.1mb
HAU 51.85 19 eP 44 11.50 -0.4
1.4s 28.75nm 5.0mb
Z 22s 0.28um 4.2Msz
GRM 52.31 134 eP 44 16.00 0.3
CDF 52.51 20 eP 44 16.40 -0.6
1.5s 33.45nm 5.0mb
DOU 53.15 17 Pc 44 24.20 2.7
CNCB 53.28 249 P 44 24.00 0.3
i 45 30.20
LPAZ 53.31 250 iPc 44 22.40 -1.6
i 45 03.40
LR 00 45.00
LPB 53.33 249 P 44 23.20 -0.7
Z 16s 1.35um 5.1MszX
LR 01 48.00
VBY 53.37 28 eP 44 23.60 0.4
i(PcP) 45 29.00
DCN 53.78 7 eP 44 26.00 0.0
DLF 53.83 7 eP 44 27.00 0.6
ENN 54.14 17 eP 44 30.00 1.3
1.1s 26.30nm 5.2mb
GRF 54.99 22 eP 44 34.40 -0.8
Z 19s 0.30um 4.4Msz
GEC2 55.27 24 ePc 44 36.40 -0.9
0.9s 4.10nm 4.5mb
e 44 42.40
ePP 46 39.50
KHC 55.45 24 P 44 38.40 -0.1
1.2s 15.00nm 4.9mb
Z 18s 0.60um 4.7Msz
N 18s 0.50um
E 16s 0.30um
e 44 44.10
e 45 24.00
e 46 43.00
eS 52 28.00
MOX 55.92 21 eP 44 42.10 0.3
1.6s 24.00nm 5.0mb
Z 19s 0.40um 4.5Msz
e(S) 52 37.00
ZST 56.22 27 eP 44 43.00 -1.0
PRU 56.51 24 P 44 40.60 -5.4X
Z 20s 0.40um 4.5Msz
e 44 51.80
CLL 56.97 22 eP 44 41.00 -8.3X
1.3s 9.00nm 4.6mb
e 44 54.00
e 46 38.00
BRG 56.98 23 eP 44 41.80 -7.6X
1.4s 24.00nm 5.0mb
e 44 54.60
MLR 58.83 34 ePc 45 00.00 -2.6
UZH 58.96 29 eP 45 03.50 0.2
Z 20s 1.00um 4.9Msz
E 20s 1.00um
LMN 62.29 324 eP 45 25.00 -1.1
HFS 64.45 16 eP 45 38.60 -1.4
0.4s 1.20nm 4.4mb
NB2 64.56 15 P 45 39.60 -1.2
0.9s 2.90nm 4.5mb
BNH 65.64 320 eP 45 47.75 -0.2

04d 04h

LBNH 65.92 320 eP 45 50.08 0.3
 1.1s 37.30nm 5.5mb
 RSNY 67.74 319 eP 46 01.65 0.3
 0.8s 21.13nm 5.4mb
 CEH 68.02 309 eP 46 02.48 -0.8
 1.3s 33.09nm 5.4mb
 KIV 68.39 42 eP 46 06.60 1.0
 1.2s 19.00nm 5.2mb
 JSC 69.29 307 eP 46 10.65 -0.5
 OBN 69.91 29 ePc 46 13.00 -1.5
 0.5s 15.00nm 5.4mb
 Z 18s 0.60um 4.9MsZ
 N 16s 0.50um
 E 16s 0.50um
 MOS 70.74 29 eP 46 19.00 -0.5
 e 46 24.00
 e 46 33.00
 MYNC 71.77 307 eP 46 26.92 0.6
 0.7s 7.60nm 4.9mb
 ELC 76.27 308 eP 46 51.21 -1.0
 FVM 77.33 309 eP 46 57.57 -0.6
 0.8s 12.80nm 5.1mb
 MAIO 78.83 53 eP 47 07.00 0.4
 MIAR 79.32 305 eP 47 09.47 0.3
 0.9s 4.09nm 4.4mb
 TUL 81.29 306 iP 47 19.40 -0.2
 SVE 83.06 33 eP 47 36.00 7.7X
 LTX 87.48 299 eP 47 49.91 -1.2
 RSSD 88.20 314 eP 47 55.49 1.1
 1.1s 9.31nm 5.0mb
 GLD 88.98 310 eP 47 58.95 0.8
 1.3s 28.52nm 5.4mb
 GOL 89.10 310 eP 47 58.88 0.0
 1.4s 40.27nm 5.5mb
 ALQ 89.93 305 eP 48 03.98 1.2
 0.9s 2.67nm 4.5mb
 PV10 91.96 308 eP 48 13.14 1.0
 PV09 92.03 308 eP 48 13.77 1.3
 BW06 92.22 313 (P) 48 13.43 0.2
 0.9s 2.34nm 4.6mb
 DAU 93.60 310 eP 48 20.94 1.2
 ASPA 142.89 132 ePKP 54 34.40 -3.5X
 1.1s 4.30nm
 WRA 145.27 127 PKP 54 41.50 -0.5
 0.7s 2.20nm
 WB2 145.28 127 ePKP 54 39.00 -3.0X
 0.7s 1.70nm
 S.D. = 1.0 on 80 of 97 obs.
 ? SEP 04, 1993 04h 39m 34.16± 2.73s
 12.128 N ±35.4km 93.531 W ±10.3km
 DEPTH = 33.0km (normal)
 4.2mb (2 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)
 MD 4.7 (GCG).
 IXG 3.62 55 iPd 40 29.43 -0.1
 eS 41 06.23
 YUP 4.18 60 eP 40 37.47 0.1
 OXX 5.81 328 (P) 41 00.75 0.2
 (S) 41 58.00
 PPM 8.47 325 eP 41 38.00 0.0
 (S) 42 42.00
 YKA 52.51 348 eP 48 45.00 -1.1
 0.8s 2.90nm 4.3mb
 INK 61.81 344 eP 49 53.00 1.1
 1.0s 2.00nm 4.2mb
 CRP 64.61 333 (P) 50 10.45 -0.2
 GBA 152.91 20 PKP 59 40.00 17.1X
 S.D. = 0.8 on 7 of 8 obs.
 ? SEP 04, 1993 05h 05m 29.70± 5.24s
 8.990 S ±52.6km 123.782 E ±16.7km
 DEPTH = 33.0km (normal)
 FLORES REGION, INDONESIA (286)
 MTN 8.17 119 eP 07 29.00 0.0
 0.3s 100.00nm 6.4mb X
 eS 08 53.00
 KNA 8.30 145 eP 07 30.00 -0.7
 eS 08 56.50
 MBL 12.68 197 eP 08 30.80 0.2
 eS 10 44.00
 WB2 14.93 138 eP 08 56.60 -3.7X
 eS 11 27.30
 ASPA 17.51 148 iPc 09 33.90 0.8
 eS 12 31.60

MRWA 21.41 199 eP 10 16.70 -0.3
 S.D. = 0.8 on 5 of 6 obs.
 SEP 04, 1993 06h 11m 37.18± 0.63s
 13.862 N ± 2.7km 145.003 E ± 3.3km
 DEPTH = 25.9 ± 4.5 km
 5.5mb (59 obs.) 4.6MsZ (7 obs.)
 MARIANA ISLANDS (216)
 Mw 5.2 (HRV). Felt (IV) in the
 northern half of Guam.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 25C
 Centroid Location:
 Origin Time 06:11:38.4 0.7
 Lat 13.59N 0.07 Lon 144.99E 0.10
 Dep 15.0 FIX Half-duration 1.0
 Moment Tensor; Scale 10**16 Nm
 Mrr=-3.48 0.27 Mtt= 3.35 0.34
 Mff= 0.13 0.39 Mrt= 7.43 1.29
 Mrf=-0.09 0.73 Mtf= 0.02 0.35
 Principal Axes:
 T Val= 8.11 Plg=33 Azm= 0
 N 0.13 0 90
 P -8.24 57 180
 Best Double Couple: Mo=8.2*10**16
 NP1: Strike= 90 Dip=12 Slip= -90
 NP2: 270 78 -90
 GUMO 0.30 206 Pn 11 43.90 -0.4
 iS 11 49.30
 PJG 0.30 206 Pg 11 44.20 -0.1
 GUA 0.33 195 eP 11 44.80 0.0
 PLP 19.73 264 ePd 16 07.80 -0.3
 DAV 20.25 253 eP 16 20.80 7.4X
 CGP 20.63 257 iPd 16 17.50 0.1
 MAP 20.85 263 iPd 16 21.00 1.3
 CTB 21.49 254 iPd 16 14.00 -12.2X
 GQP 21.90 273 ePd 16 31.50 1.2
 WKYJ 21.99 339 P 16 31.80 0.7
 TKSJ 22.36 335 P 16 34.50 -0.3
 IIDJ 22.45 345 P 16 37.70 2.0
 KAKJ 22.67 350 eP 16 39.30 1.6
 CHJJ 22.74 347 P 16 37.60 -0.9
 TLE 22.87 213 ePd 16 46.50 6.6X
 TSRJ 23.06 341 P 16 43.10 1.5
 TGY 23.36 274 ePd 16 46.00 1.3
 PGP 23.37 272 ePc 16 45.50 0.7
 MAT 23.39 346 (P) 16 44.00 -0.8
 1.1s 12.66nm 4.4mb X
 Z 20s 2.13um 4.6MsZ
 eS 21 01.00
 MTMJ 23.53 345 P 16 47.10 0.8
 YONJ 23.65 336 P 16 49.30 2.0
 BAG 23.71 279 ePd 16 49.00 0.7
 1.5s 250.00nm 5.5mb
 NIIJ 23.89 348 P 16 49.30 -0.3
 YAMJ 24.61 351 eP 16 57.60 0.9
 QZH 27.19 298 eP 17 20.00 -0.8
 SSE 27.80 312 P 17 25.00 -1.3
 1.0s 42.00nm 5.1mb
 Z 20s 0.50um 4.1MsZ
 eS 22 04.00
 esS 22 21.00
 NJ2 29.99 312 Pd 17 47.20 1.2
 VLA 31.27 341 iPc 17 56.00 -1.1
 0.9s 225.00nm 6.0mb
 N 14s 0.70um
 i 18 02.50
 i 19 05.00
 iPPP 19 20.00
 eS 23 07.00
 esS 24 50.00
 DL2 32.38 325 eP 18 07.20 0.3
 0.8s 210.00nm 6.1mb
 pP 18 15.00 27kmX
 S 23 20.00
 WHN 32.73 306 eP 18 09.00 -1.0
 YSS 33.11 357 eP 18 13.00 -0.1
 Z 18s 0.70um 4.4MsZ
 N 18s 0.50um
 e 19 20.00
 (S) 23 34.00
 esS 25 24.00
 MDJ 33.35 340 eP 18 15.20 0.0
 1.0s 58.00nm 5.5mb
 TIA 33.45 317 eP 18 16.50 0.2

Z 24s 1.03um 4.5MsZ
 E 15s 0.66um
 SNY 33.50 330 eP 18 16.40 -0.2
 Z 28s 0.63um 4.2MsZ
 S 23 31.00
 CTA 33.76 178 P 18 20.39 1.4
 QIZ 34.07 283 P 18 22.70 0.9
 QIS 34.61 189 iPc 18 26.40 0.0
 WB2 35.19 198 iPd 18 30.70 -0.7
 0.5s 37.90nm 5.6mb
 WRA 35.19 198 P 18 31.00 -0.4
 0.8s 56.30nm 5.5mb
 BJI 36.31 321 eP 18 40.50 -0.1
 1.0s 66.00nm 5.5mb
 Z 20s 0.60um 4.4MsZ
 eS 24 20.00
 TIY 37.42 315 Pd 18 50.60 0.5
 0.8s 95.00nm 5.7mb
 Z 27s 1.74um 4.7MsZ
 N 13s 0.44um
 GYA 37.96 295 P 18 56.20 1.3
 1.0s 110.00nm 5.6mb
 XAN 38.33 308 P 18 57.50 -0.3
 1.0s 120.00nm 5.6mb
 pP 19 03.40 20kmX
 ASPA 38.85 196 iPd 19 01.90 -0.2
 0.5s 61.20nm 5.6mb
 Z 23s 0.90um 4.5MsZ
 e 20 33.00
 HHC 39.65 319 Pd 19 09.20 0.4
 0.8s 51.00nm 5.3mb
 Z 26s 0.71um 4.4MsZ
 BTO 40.51 318 P 19 16.00 0.1
 N 11s 0.22um
 E 10s 0.09um
 KMI 41.23 292 Pd 19 23.50 1.4
 1.0s 150.00nm 5.7mb
 sP 19 34.50
 CD2 41.47 301 iPd 19 23.50 -0.3
 1.0s 130.00nm 5.6mb
 BRS 41.69 170 iPd 19 27.00 1.4
 0.9s 26.00nm 5.0mb
 LOE 41.76 281 eP 19 26.90 0.7
 PCT 42.21 277 iPc 19 27.40 -2.5
 LEM 42.42 243 iPc 19 30.00 -1.9
 MBL 42.69 216 iPd 19 33.00 -0.8
 LZH 42.95 309 Pd 19 37.00 1.0
 1.5s 310.00nm 5.8mb
 PP 21 23.00
 eS 26 02.00
 NST 43.37 278 eP 19 40.00 0.6
 NNT 44.04 274 eP 19 45.40 0.5
 CHTO 44.38 283 eP 19 46.30 -1.3
 0.9s 14.28nm 4.8mb
 ARMA 44.48 172 iPc 19 49.70 1.4
 0.8s 32.00nm 5.2mb
 STK 45.60 184 iPd 19 56.80 -0.2
 1.3s 18.20nm 4.8mb
 CIT 45.60 333 eP 19 58.00 1.0
 NANU 46.31 219 eP 20 02.00 -0.8
 GTA 47.09 311 eP 20 09.50 0.5
 1.0s 160.00nm 6.0mb
 Z 20s 0.86um 4.7MsZ
 pP 20 19.50 33kmX
 sP 20 23.00
 PcP 21 33.00
 ScS 29 56.00
 FORT 47.28 200 eP 20 10.00 -0.4
 BWA 48.13 176 iPd 20 18.00 1.0
 ADK 48.76 31 eP 20 20.13 -1.5
 0.8s 41.81nm 5.5mb
 ADE 48.92 187 iPd 20 23.90 0.7
 CAN 49.06 176 iPd 20 25.20 1.0
 CNB 49.08 175 iPd 20 25.30 0.9
 0.7s 21.00nm 5.3mb
 YAK 49.32 351 eP 20 23.70 -2.1
 1.0s 80.00nm 5.7mb
 eS 27 24.00
 ZAK 49.68 326 iPd 20 28.70 -0.1
 1.1s 98.00nm 5.7mb
 COOL 50.05 207 eP 20 30.00 -1.9
 IRK 50.18 329 eP 20 31.10 -1.5
 1.6s 69.00nm 5.4mb
 Z 14s 0.21um 4.3MsZ
 TOO 51.16 180 iPd 20 41.60 1.4
 0.7s 125.00nm 6.0mb
 MRWA 51.18 213 eP 20 38.00 -2.4

04d 06h

BAL	0.5s	11.00nm	5.0mb	
LSA	51.92 211 eP	20 44.30	-1.8	
	51.99 297 P	20 48.20	0.9	
	0.9s	110.00nm	5.8mb	
MUN	53.28 211 eP	20 53.00	-3.2X	
GUN	56.50 294 P	21 19.60	-0.6	
MHA	56.61 75 (P)	21 21.87	1.2	
KKN	57.03 294 P	21 22.80	-1.0	
WMQ	57.05 313 iPd	21 23.90	0.3	
	1.5s	410.00nm	6.2mb	
Z	24s	0.51um	4.5MsZ	X
		pP	21 33.50	31kmX
		sP	21 37.00	
		PcP	22 16.50	
		PP	23 31.20	
		S	29 16.70	
		sS	29 31.50	
DMN	57.18 294 P	21 24.00	-1.0	
SDN	58.83 33 eP	21 33.72	-1.9	
	0.8s	178.57nm	6.2mb	
URZ	59.94 151 P	21 43.10	-0.4	
PUZ	60.34 150 P	21 46.10	-0.2	
NOZ	60.67 151 P	21 48.60	0.2	
	0.6s	65.00nm	5.9mb	
THZ	61.04 156 P	21 50.80	-0.3	
	0.7s	22.00nm	5.4mb	
KIW	61.09 154 P	21 51.60	0.2	
TCW	61.12 155 P	21 51.70	0.2	
MNG	61.13 154 P	21 51.10	-0.5	
	0.8s	124.00nm	6.1mb	
MRW	61.31 155 P	21 52.80	-0.1	
CAW	61.36 154 P	21 53.00	-0.2	
SNZO	61.38 155 P	21 53.50	0.2	
MTW	61.59 154 P	21 54.50	-0.2	
LTZ	61.67 157 P	21 54.90	-0.4	
	0.8s	71.00nm	5.8mb	
MOW	61.70 155 P	21 55.60	0.1	
BLW	61.75 154 P	21 56.10	0.3	
KHZ	61.85 156 P	21 55.40	-1.0	
	0.7s	87.00nm	6.0mb	
BWZ	62.37 160 P	22 00.10	0.3	
	0.6s	42.00nm	5.7mb	
SVW	63.36 28 eP	22 04.36	-2.0	
	0.7s	22.13nm	5.4mb	
		e	22 10.27	
HYB	63.81 283 eP	22 08.50	-1.5	
NDI	64.13 295 iPc	22 11.80	-0.1	
	0.7s	32.88nm	5.6mb	
RSO	64.47 29 (P)	22 10.35	-3.5X	
KSH	65.17 307 P	22 19.50	0.8	
	0.7s	60.00nm	5.8mb	
GBA	65.42 279 P	22 20.00	-0.4	
SLKM	65.69 29 eP	22 18.57	-2.9X	
IMA	65.95 23 eP	22 19.98	-3.2X	
	0.7s	2.19nm	4.4mb	X
FRU	66.35 311 iPc	22 26.40	0.3	
	1.6s	130.00nm	5.8mb	
		e	22 42.00	
		e	24 50.00	
PMR	66.48 28 eP	22 22.84	-3.6X	
	0.8s	21.93nm	5.3mb	
FBA	67.92 25 (P)	22 31.79	-3.7X	
	0.8s	5.62nm	4.7mb	
KLU	67.96 29 ePd	22 33.35	-2.5	
POO	68.11 285 iPd	22 41.20	3.7X	
BALM	69.58 30 eP	22 42.84	-3.1X	
INK	74.07 22 eP	23 09.50	-2.9X	
	0.9s	5.00nm	4.5mb	
SVE	75.45 326 iPc	23 21.00	0.5	
	2.0s	60.00nm	5.3mb	
Z	19s	0.40um	4.7MsZ	
N	19s	0.10um		
E	19s	0.30um		
		e	23 39.10	
		e	26 07.00	
ARU	76.60 325 eP	23 26.50	-0.5	
		e	23 37.50	
		e	26 25.00	
MAIO	78.36 305 eP	23 37.00	-0.3	
ASH	79.01 306 eP	23 41.40	0.7	
BMW	81.30 44 ePd	23 52.58	-0.2	
GMW	81.39 43 eP	23 53.38	0.2	
KMPM	81.81 50 ePd	23 56.48	0.8	
SHW	82.02 44 eP	23 57.13	0.4	
RMW	82.06 43 eP	23 56.67	-0.1	
YKA	82.56 27 eP	23 56.40	-2.6	
	0.6s	4.20nm	4.7mb	

LGPM	82.68	50 iPd	24 00.73	0.5
WDC	82.96	50 iPd	24 01.79	0.3
	0.9s	21.58nm	5.3mb	
LBFM	83.28	49 eP	24 03.70	0.3
NTYM	83.33	52 eP	24 04.08	0.7
CSY	83.91	193 iPd	24 05.90	0.2
	0.6s	7.50nm	5.1mb	
ORV	83.96	51 iPd	24 06.55	-0.1
DPW	84.34	42 eP	24 07.65	-0.8
COE	84.34	53 ePd	24 09.53	0.9
ARN	84.43	53 iPd	24 09.61	0.5
NEW	84.94	42 eP	24 10.12	-1.3
	0.8s	16.67nm	5.3mb	
CMB	85.16	52 iPd	24 13.10	0.4
	0.8s	21.76nm	5.4mb	
		e	24 17.45	
PHAM	85.67	54 iPd	24 16.27	1.0
BCH	86.08	55 ePd	24 18.24	0.8
MEMM	86.36	52 eP	24 19.58	1.0
BONR	86.77	52 iPd	24 21.37	0.3
ABL	86.85	55 ePd	24 21.69	0.3
ISA	87.23	54 ePd	24 22.56	-0.5
	0.8s	9.30nm	5.1mb	
TNP	87.57	51 iPd	24 25.06	0.3
	0.8s	22.93nm	5.5mb	
GSC	88.64	54 ePd	24 30.10	0.3
LRM	88.70	43 eP	24 29.70	-0.4
PEC	88.74	56 iPd	24 30.42	0.2
	0.9s	54.70nm	5.9mb	
OBN	88.93	327 ePc	24 29.50	-1.2
	1.0s	17.00nm	5.3mb	
PLM	89.13	56 eP	24 32.42	0.1
HHAI	89.55	45 eP	24 34.51	0.5
HVU	89.76	47 eP	24 35.35	0.3
DUG	90.23	48 ePc	24 37.02	-0.2
	0.7s	11.61nm	5.2mb	
ARUT	90.51	51 ePd	24 38.97	0.3
GLA	90.85	56 iPd	24 40.92	0.8
MSU	91.23	50 eP	24 42.27	0.2
DAU	91.28	48 ePd	24 42.27	-0.1
BW06	91.68	45 eP	24 43.12	-0.9
	0.8s	2.97nm	4.7mb	
EMUT	91.80	48 eP	24 44.51	-0.2
SRU	92.25	49 ePd	24 46.08	-0.6
PV09	93.48	49 eP	24 52.17	-0.3
PV10	93.59	49 eP	24 52.49	-0.5
PV08	93.81	49 eP	24 53.96	-0.1
RSSD	94.88	42 eP	24 57.48	-1.2
	0.8s	4.75nm	5.0mb	
ALQ	96.77	52 eP	25 07.45	0.0
	0.8s	2.15nm	4.7mb	
NB2	96.84	339 P	25 05.20	-1.9
	0.9s	3.30nm	4.8mb	
LTX	101.10	56 ePd	26 16.16	-0.8
LSZ	119.02	260 iPKP	30 26.00	-0.3
KIC	143.87	302 PKP	31 09.00	-3.9X
TIC	143.94	303 PKP	31 09.00	-4.0X
LIC	144.18	302 PKP	31 09.80	-3.6X
Z	20s	0.50um	5.3MsZ	
RTRS	144.34	123 e(PKP)	31 13.30	0.1
RTCV	144.48	126 e(PKP)	31 12.80	-0.7
ZON	144.49	125 ePKP	31 12.50	-1.0
ARE	144.71	99 ePKP	31 15.00	0.4
MRA	146.44	129 e(PKP)	31 17.60	0.9
LPZ	147.93	99 PKP	31 20.80	0.5
CYA	147.94	122 ePKPc	31 20.00	0.7
LPB	147.97	99 PKP	31 21.50	1.4
CNCB	148.08	100 PKP	31 22.10	1.7
HJA	149.76	112 iPKPd	31 29.00	6.9X
CCH	149.83	101 PKP	31 26.30	3.5X
YJA	149.88	110 ePKPd	31 24.50	1.5
PPD	162.49	120 ePKP	31 38.80	0.5
	S.D. = 1.0	on 164 of 181 obs.		
%	SEP 04, 1993	06h 12m 19.82± 0.62s		
	37.218 N ± 5.3km	3.617 W ± 5.2km		
	DEPTH = 5.0km (geophysicist)			
	SPAIN	(377)		
	mbLg 2.4 (MDD).			
ECOG	0.07	34 iPc	12 21.50	-0.2
		eS	12 23.30	
EGUA	0.39	174 eP	12 27.20	-0.4
		eS	12 32.50	
ELUQ	0.62	304 eP	12 32.30	0.1
		eS	12 40.00	
EBAN	0.95	352 eP	12 38.00	-0.5

EHUE	1.01	53 eP	12 51.00	
		eS	12 40.00	0.5
		eS	12 52.60	
EPUR	1.32	259 eP	12 45.30	0.7
		eS	13 02.50	
EHOR	1.43	295 eP	12 46.10	-0.4
		eS	13 04.90	
EVIA	1.67	32 eP	12 50.00	0.1
		eS	13 11.00	
	S.D. = 0.5	on 8 of 8 obs.		
%	SEP 04, 1993	07h 02m 23.30± 0.90s		
	39.212 N ± 7.9km	27.685 E ± 8.9km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY	(366)		
	ML 2.7 (ISK).			
DST	0.83	61 iPg	02 39.10	-0.3
		eSg	02 51.00	
IZM	0.88	202 ePn	02 40.20	0.0
EDC	1.14	7 ePn	02 44.00	-0.7
KCT	1.16	26 iPn	02 45.80	0.8
EZN	1.22	301 ePn	02 46.00	0.1
	S.D. = 0.8	on 5 of 5 obs.		
%	SEP 04, 1993	07h 38m 08.27± 0.89s		
	39.059 N ± 7.6km	27.569 E ± 9.3km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY	(366)		
	ML 2.6 (ISK).			
IZM	0.70	200 ePg	38 22.20	0.0
		eSg	38 34.00	
DST	0.99	56 ePn	38 27.10	0.1
EZN	1.23	309 ePn	38 31.00	-0.1
EDC	1.31	10 ePn	38 33.00	0.6
KCT	1.33	27 ePn	38 32.30	-0.6
	S.D. = 0.6	on 5 of 5 obs.		
%	SEP 04, 1993	08h 00m 10.89± 0.65s		
	43.064 N ± 6.3km	0.640 W ± 4.7km		
	DEPTH = 5.0km (geophysicist)			
	PYRENEES	(378)		
	ML 1.0 (STR).			
ATE	0.05	296 Pg	00 12.45	0.1
ESCF	0.05	73 Pg	00 12.45	0.1
		Sg	00 13.90	
ISSF	0.12	252 Pg	00 13.59	0.1
		Sg	00 15.83	
LHE	0.15	175 Pg	00 14.03	-0.1
		Sg	00 16.59	
MADF	0.15	302 Pg	00 14.01	-0.1
		Sg	00 16.28	
OGE	0.16	49 Pg	00 14.22	0.0
	S.D. = 0.1	on 6 of 6 obs.		
SEP	04, 1993	08h 30m 56.63± 0.11s		
	16.166 S ± 3.5km	176.732 W ± 3.2km		
	DEPTH = 387.9km (8 depth phases)			
	5.4mb (65 obs.)			
	FIJI ISLANDS REGION	(181)		
	Mw 5.5 (HRV).			
	CENTROID, MOMENT TENSOR (HRV)			
	Data Used: GDSN			
	L.P.B.: 30S, 45C			
	Centroid Location:			
	Origin Time 08:31: 0.3 0.3			
	Lat 15.94S 0.03 Lon 176.42W 0.03			
	Dep 396.5 1.5 Half-duration 1.5			
	Moment Tensor: Scale 10**17 Nm			
	Mrr= 1.41 0.05 Mtt=-1.64 0.09			
	Mff= 0.23 0.10 Mrt= 0.43 0.07			
	Mrf=-1.23 0.08 Mtf= 0.30 0.07			
	Principal Axes:			
	T Val= 2.20 Plg=58 Azm= 84			
	N -0.37 28 293			
	P -1.83 13 196			
	Best Double Couple:Mo=2.0*10**17			
	NPl:Strike=254 Dip=40 Slip= 43			
	NP2: 129 64 122			
NDE	3.82	263 iPc	32 09.00	2.2
KRO	3.89	252 iPc	32 09.40	2.0
MBU	4.43	259 iPc	32 15.00	2.2
VUN	4.95	248 iPc	32 20.40	2.4
SVA	4.99	246 iPc	32 21.20	2.7

		eS	32	55.10			0.9s	158.00nm	5.5mb	SLKM	79.34	13	iPc	42	20.13	-1.2
AFI	5.29	66 e(P)	31	56.00	-25.7X	MEEK	60.55	248 iPd	40 39.40 9.4X	TUC	79.37	52	iPc	42	24.38	2.2
BKM	14.46	262 iPd	34	08.00	1.9		0.9s	96.00nm	5.3mb		1.4s	379.75nm				6.0mb
		i	37	06.80		KLB	61.04	243 iPd	40 32.20 -0.9	DL2	79.45	316	eP	42	23.10	0.8
RAR	16.83	110 eP	34	31.79	0.9		0.6s	65.00nm	5.3mb			S		51	50.00	
	0.9s	295.93nm			5.6mb	NWAO	61.45	241 eP	40 35.20 -0.5	ASR	79.46	35	Pc	42	22.49	0.1
DZM	16.94	247 iPc	34	32.00	-0.2	BAL	61.98	244 eP	40 38.30 -1.0	VBG	79.54	36	ePc	42	22.51	-0.2
		i	37	44.10		MUN	62.35	242 eP	40 41.00 -0.7	STW	79.56	33	Pd	42	23.55	0.9
		i	41	58.20		MRWA	62.68	245 iPd	40 43.20 -0.7	CP2	79.61	12	ePc	42	21.20	-1.8
OUZ	20.86	203 P	35	13.10	2.6		0.6s	45.00nm	5.2mb	CRP	79.63	12	ePc	42	20.77	-2.3
WCZ	21.24	200 P	35	16.70	2.5	NANU	63.76	253 eP	40 51.00 0.1	CN2	79.65	321	Pd	42	23.70	0.4
KUZ	21.57	197 eP	35	17.70	0.5		0.5s	30.00nm	5.2mb		1.0s	23.00nm				4.9mb
PUZ	22.27	190 eP	35	22.70	-1.1	OFUJ	67.32	326 eP	41 11.80 -1.1			epP	43	51.00	384km	
WLZ	22.66	196 eP	35	28.20	0.8	MAJO	67.50	322 eP	41 12.75 -1.4			eS		51	57.00	
URZ	22.67	193 P	35	24.90	-2.6		1.0s	45.78nm	5.2mb	GMW	79.65	34	iPc	42	23.27	0.0
NOZ	22.83	191 P	35	28.50	-0.5	MAT	67.50	322 eP	41 13.00 -1.1	LON	79.70	35	iPc	42	23.04	-0.5
MNG	25.29	194 eP	35	48.90	-2.4		1.0s	32.00nm	5.0mb	SNY	79.71	319	Pc	42	24.20	0.6
AFR	25.83	97 iPc	35	55.60	-0.8	ADK	67.76	0 ePc	41 13.27 -2.0		1.4s	58.00nm				5.1mb
	0.7s	123.00nm			5.4mb		0.8s	72.85nm	5.5mb	FMW	79.88	35	Pc	42	24.87	0.2
PAE	26.01	97 iPc	35	57.30	-0.8	CSY	68.39	205 iPc	41 19.60 0.6	ARUT	80.02	46	iPc	42	26.01	0.4
	1.1s	433.70nm			5.8mb		1.0s	56.70nm	5.2mb	JBO	80.05	37	Pc	42	25.48	0.1
PPT	26.02	97 iPc	35	57.50	-0.6	KUSJ	68.77	331 eP	41 20.40 -1.3	RMW	80.13	34	iPc	42	25.82	0.0
	1.0s	281.60nm			5.6mb	HOQJ	68.92	329 eP	41 22.10 -0.4	EBG	80.48	35	Pc	42	27.78	0.2
SNZO	26.13	195 eP	35	56.89	-2.0	SMY	69.07	354 eP	41 21.24 -2.0	TTA	80.49	9	iPc	42	27.22	-0.1
	1.0s	209.48nm			5.5mb	ASAJ	70.53	330 eP	41 32.70 0.5	JCW	80.50	34	Pc	42	27.80	0.1
PPN	26.16	97 iPc	35	58.60	-0.8	PET	72.10	345 eP	41 40.00 -1.2	PMR	80.55	13	iPc	42	26.14	-1.4
	0.9s	104.50nm			5.2mb		e	43 52.00 658kmX		SIT	80.67	21	ePc	42	27.93	-0.3
TVO	26.32	97 iPc	36	00.40	-0.6	SDN	72.54	10 ePc	41 41.49 -2.2		1.0s	19.30nm				4.8mb
	0.9s	629.00nm			6.0mb		0.7s	243.98nm	6.0mb	WAH2	80.95	36	Pc	42	30.21	-0.2
THZ	27.03	197 eP	36	05.20	-1.8	YSS	72.67	332 iPc	41 44.10 -0.5	LNOR	81.18	37	Pc	42	31.06	-0.2
PMO	27.79	92 iPc	36	13.40	-0.4		1.0s	90.00nm	5.4mb	KLU	81.19	14	iPc	42	29.80	-1.2
	1.4s	1366.20nm			6.1mb		e	50 32.00		MSU	81.24	46	iPc	42	32.89	0.9
VAH	28.02	92 iPc	36	15.20	-0.7	JEGM	73.83	42 ePc	41 51.61 0.0	WTV	81.28	35	Pc	42	31.58	-0.2
	1.3s	701.80nm			5.8mb	SPA	73.94	180 iPc	41 53.60 1.6	TIA	81.28	312	eP	42	32.40	0.4
TPT	28.06	92 iPc	36	15.70	-0.5		0.9s	12.73nm	4.6mb	SAW	81.58	35	Pc	42	33.23	-0.1
	1.3s	1140.80nm			6.0mb	SAO	74.06	43 ePc	41 53.21 0.3	DUG	81.62	44	iPd	42	33.84	0.0
LTZ	28.15	197 eP	36	14.70	-2.1		0.8s	101.75nm	5.5mb	TOA	81.66	14	iPc	42	33.40	-0.1
RUV	28.26	92 iPc	36	17.40	-0.6	BCH	74.09	45 iPc	41 53.59 0.3	BALM	81.70	16	iPc	42	32.97	-0.8
	1.1s	631.00nm			5.9mb	COE	74.20	43 ePc	41 54.17 0.5	AGX	82.12	65	(P)	42	39.50	3.0X
LMZ	29.93	201 eP	36	30.50	-1.8	NTYM	74.22	41 eP	41 53.70 0.0	MRX	82.34	67	(P)	42	40.00	2.4
BRS	30.36	243 iPc	36	35.00	-1.3	PHAM	74.24	45 ePc	41 54.23 0.3	MRX	82.34	67	(P)	42	41.00	3.4X
	1.0s	10.00nm			4.1mb X	ARN	74.34	43 eP	41 54.58 0.0	DPW	82.35	35	ePc	42	36.95	-0.3
MHZ	31.12	199 P	36	40.90	-1.9	LEM	74.39	267 iPd	41 56.00 0.6	HVU	82.42	43	iPc	42	38.28	0.4
TUZ	31.82	198 eP	36	48.00	-0.6	ABL	74.51	46 iPc	41 55.91 0.1	SRU	82.66	46	iPc	42	39.58	0.4
ARMA	32.21	238 iPc	36	52.20	-0.1	KMPM	74.53	39 ePc	41 55.97 0.4	DAU	82.77	44	iPc	42	40.23	0.4
	0.6s	22.00nm			4.7mb	HMR	74.63	42 eP	41 56.33 0.3	EMUT	82.79	45	iPc	42	40.35	0.5
CTA	35.35	258 iPd	37	18.50	-0.2	FHC	74.84	39 ePc	41 57.91 0.6	NEW	83.17	35	iPc	42	40.87	-0.4
	0.6s	33.33nm			4.8mb		1.2s	213.63nm	5.7mb		0.9s	76.99nm				5.5mb
		i	37	20.50	7kmX	SSK	75.23	47 ePc	41 59.61 -0.2	PTI	83.22	42	iPc	42	42.61	0.8
		i	37	39.00		PEC	75.45	48 eP	41 59.26 -1.5	PV09	83.35	47	iPc	42	43.39	0.6
		i	38	33.50			1.0s	144.07nm	5.7mb	PV10	83.36	47	iPc	42	42.93	0.1
		e	39	40.00		ISA	75.46	46 iPc	42 00.96 0.1	HHAI	83.42	41	iPc	42	43.73	0.9
		i(S)	42	46.00			1.6s	331.03nm	5.8mb	III	83.43	69	(P)	42	45.50	2.1
CTAO	35.35	258 eP	37	18.34	-0.4	CMB	75.48	43 iPc	42 00.82 -0.1	CRX	83.58	68	(P)	42	47.00	2.7
	0.9s	70.44nm			5.0mb		1.3s	199.01nm	5.7mb	BJI	83.69	315	eP	42	45.50	1.5
		epP	38	33.56	386km	WDC	75.59	40 eP	42 01.06 -0.3		1.5s	140.00nm				5.5mb
CNB	35.76	231 iPd	37	22.40	0.3		1.3s	227.35nm	5.7mb	LTX	83.71	57	ePc	42	45.03	0.5
	0.7s	49.00nm			4.9mb		epP	43 24.37 368kmX		PV08	83.72	47	ePc	42	45.11	0.4
CAN	36.03	232 iPd	37	24.50	0.1	LGPM	75.61	39 iPc	42 02.15 0.5	ALQ	83.76	51	iPc	42	45.40	0.6
		iPcP	39	04.90		ORV	75.63	41 iPc	42 01.48 -0.2		1.1s	147.36nm				5.7mb
BWA	36.14	233 eP	37	23.40	-1.9	MMPM	76.14	44 iPc	42 04.93 0.0			epP	44	13.76	385km	
		iPcP	39	03.00		MEMM	76.23	44 ePc	42 05.85 0.9	COL	83.77	12	iPc	42	43.17	-0.8
TOO	39.51	230 iPd	37	53.60	0.6		e	42 10.33 14kmX			0.7s	395.88nm				6.3mb
	1.1s	254.00nm			5.4mb	KDC	76.33	13 iPc	42 04.50 -0.5			epP	44	12.14	388km	
		e	39	13.30	416kmX	GSC	76.43	47 iPc	42 06.36 0.1	FBA	83.77	12	iPc	42	42.84	-1.1
STK	40.88	240 iPd	38	04.60	0.4	LBFM	76.43	39 iPc	42 06.55 0.2	IMA	83.80	9	iPc	42	43.66	-0.5
	0.9s	28.00nm			4.6mb	GLA	76.71	50 iPc	42 08.59 0.8		0.8s	32.07nm				5.1mb
		epP	39	21.90	398km	BONR	76.81	44 iPc	42 08.72 0.2	UNM	84.00	68	(P)	42	47.50	1.2
		ePcP	39	52.00		TNP	77.60	44 iPc	42 12.77 0.0	PPM	84.41	68	(P)	42	50.75	2.1
		iScP	43	13.30			1.1s	138.11nm	5.6mb	LRM	84.62	39	iPc	42	49.10	0.2
DHH	41.58	27 ePd	38	09.01	-0.8	MDJ	77.71	324 Pd	42 13.50 0.6	IIT	84.68	69	(P)	42	51.50	1.8
QIS	41.58	257 eP	38	10.20	0.2		1.1s	50.00nm	5.2mb	BW06	85.00	43	iPc	42	50.50	-0.3
HKL	41.80	29 ePc	38	10.94	-1.2	KMOR	78.09	35 Pc	42 15.29 0.2		1.1s	45.53nm				5.2mb
OPA	41.86	27 eP	38	11.40	-0.7	NJ2	78.09	308 Pc	42 16.00 0.7	TIY	85.32	311	Pc	42	53.50	1.2
ADE	43.93	236 iPd	38	28.80	0.2		0.8s	21.00nm	4.9mb		0.8s	75.00nm				5.6mb
WB2	46.53	258 iPd	38	48.20	-0.8	SSOR	78.19	36 Pc	42 15.41 -0.3	GYA	85.59	299	iPc	42	55.00	1.1
	0.2s	92.40nm			5.7mb	ONR	78.71	34 P	42 18.75 0.5		1.0s	27.00nm				5.0mb
		eS	45	04.00		BMW	78.75	35 iPc	42 18.76 0.2	MAW	86.03	199	P	42	57.50	2.4
WRA	46.55	258 P	38	47.00	-2.1	RSO	78.77	12 ePc	42 16.87 -1.7		1.2s	29.41nm				5.0mb
ASPA	46.83	253 P	38	51.40	0.1	VBEM	78.81	36 Pc	42 18.90 -0.2	XAN	86.49	307	Pc	42	59.00	1.0
MTN	50.48	267 eP	39	18.00	-1.1	SVW	78.84	10 iPc	42 17.37 -1.4		1.0s	71.00nm				5.5mb
		eS	05	05.00			1.0s	89.31nm	5.5mb	GOL	86.51	47	iPc	42	58.52	0.3
FORT	52.21	243 eP	39	30.30	-1.3	VIPM	79.04	37 Pc	42 20.37 0.0		0.9s	51.85nm				5.4mb
KNA	52.27	262 iPd	39	31.70	-0.5	MZX	79.07	62 (P)	42 21.50 0.8			epP	44	28.07	388km	
COOL	58.16	243 eP	40	12.00	-1.7	CROR	79.11	37 Pc	42 20.40 -0.1	LVVU	86.57	68	(P)	43	00.00	1.5
MBL	59.97	255 iPd	40	25.70	-0.4	SHW	79.13	35 iPc	42 21.13 0.5	GLD	86.63	47	iPc	42	59.37	0.7

HHC	87.22	314	Pc	43	02.40	1.0		OJC	143.50	342	ePKP	49	44.90	-2.2X	GRR	147.69	5	ePKP	49	53.80	-0.2
	1.2s	69.00nm			5.4mb				0.9s	80.00nm						0.8s	142.90nm				
BTO	88.19	313	eP	43	07.00	1.0		HCG	143.51	7	ePKP	49	44.40	-2.6X	ECH	147.88	355	PKP	49	57.80	3.4X
KMI	88.48	297	Pc	43	10.00	2.2		KAS	143.65	320	ePKP	49	46.70	-1.0	LIBD	147.91	355	PKP	49	58.06	3.7X
	1.5s	110.00nm			5.5mb			HTR	143.80	7	ePKP	49	44.90	-2.6X	VITF	147.96	357	PKP	49	58.18	3.7X
YAK	88.55	338	iPc	43	05.00	-2.0		PTT	143.82	333	ePKP	49	46.00	-1.7	LPF	148.03	5	ePKP	49	54.40	-0.1
	1.0s	80.00nm			5.5mb			HAE	143.91	6	ePKP	49	45.80	-1.9		1.1s	353.60nm				
RSSD	89.20	43	iPc	43	10.41	-0.4		UZH	144.06	338	iPKPc+	49	46.50	-1.5	KBA	148.06	347	iPKPd	49	54.60	-0.3
CD2	89.49	302	eP	43	13.40	1.3			1.0s	310.00nm						i	49	57.80			
MEO	89.69	54	iPd	43	12.90	-0.1				e	51	21.80		FEL	148.14	354	PKP	49	58.48	3.5X	
INK	89.80	15	ePc	43	11.50	-1.2		RAC	144.08	344	iPKP	49	47.50	-0.5	HAU	148.15	356	ePKP	49	53.40	-1.4
	0.9s	12.00nm			4.7mb					i	49	48.20			1.2s	151.75nm					
ACO	89.92	52	iPc	43	13.70	-0.3		CLL	144.08	350	iPKPc	49	45.90	-2.1X	WATA	148.17	349	iPKPd	49	54.90	-0.1
CIT	90.63	325	eP	43	17.00	0.1			1.1s	125.00nm						i	49	58.40			
OCO	90.80	53	iPc	43	18.70	0.7		WTS	144.14	356	iPKPc	49	46.60	-1.4	SLE	148.19	353	ePKPd	49	55.00	0.1
LZH	91.11	307	iPc	43	21.00	1.3			0.9s	194.30nm					WTTA	148.23	349	iPKPd	49	55.10	-0.1
	1.0s	66.00nm			5.5mb			HGH	144.28	6	ePKPc	49	46.40	-1.9		i	49	58.90			
YKA	92.09	24	eP	43	22.60	-0.7		CFR	144.30	329	iPKPc	49	46.50	-2.0X	MOTA	148.24	350	iPKPd	49	55.10	-0.1
	1.0s	22.80nm			5.1mb			BRG	144.33	348	iPKPc	49	57.20	8.8X		i	49	58.50			
TUL	92.22	53	iP	43	25.10	0.6			1.2s	85.00nm					MOF	148.24	355	PKP	49	58.65	3.6X
UYO	92.72	55	iPc	43	26.20	-0.7			Z	19s	1.10um		5.6Msz		BSF	148.29	355	ePKP	49	53.50	-1.7
NVL	93.09	183	eP	43	29.00	1.0			N	19s	0.88um					1.0s	65.00nm				
			e	44	58.00	381km			E	19s	0.84um				SQTA	148.34	350	iPKPd	49	55.40	0.1
			e	45	59.00			BMR	144.42	336	iPKPc	49	49.00	0.3		i	49	59.10			
MIAR	93.53	55	ePc	43	30.98	0.4		VR1	144.48	331	iPKPc	49	46.60	-2.3X	ALN	148.44	326	ePKP	49	58.76	3.3X
TIK	94.88	345	iPc	43	36.00	0.0		BRD	144.59	331	iPKPc	49	48.50	-0.6	ZLA	148.49	353	ePKPd	49	55.70	0.3
	1.0s	19.00nm			5.2mb			TLB	144.79	329	iPKPc	49	48.00	-1.4	PTJ	148.51	343	iPKPc	49	59.40	3.9X
		e	45	08.00	395km			MOX	144.95	351	iPKPc	49	49.50	0.0	ZAG	148.58	343	ePKP	50	00.50	5.0X
GTA	95.17	309	eP	43	38.50	0.3			1.4s	195.00nm					BBS	148.59	354	PKP	49	59.54	4.0X
	1.5s	20.00nm			5.0mb			PRU	145.05	347	iPKPc	49	49.80	0.1	OGA	148.72	350	ePKP	49	56.00	0.0
ZAK	96.06	321	eP	43	41.00	-0.7			1.1s	268.00nm					LJU	148.76	345	ePKP	49	56.50	0.7
	1.1s	8.00nm			4.8mb					e	50	01.00		LOMF	148.76	355	PKP	50	00.35	4.5X	
CCM	96.32	52	eP	43	42.85	-0.4		ISR	145.11	331	iPKPc	49	49.00	-1.0	VOY	148.93	346	ePKP	49	56.00	-0.2
FVM	96.93	53	ePc	43	45.93	0.0		MLR	145.12	332	ePKPd	49	48.50	-1.7	HYF	148.98	1	ePKP	49	56.30	0.2
ELC	97.67	54	eP	43	49.91	0.6		BNS	145.15	356	iPKPc	49	50.00	0.2	LOR	148.98	359	ePKP	49	56.10	0.0
LPB	102.49	111	ePdiff44	20.00	8.1X				1.1s	460.00nm					1.4s	259.65nm					
CNCB	102.49	111	ePdiff44	18.00	5.9X			Z	17s	1.90um		5.9MszX		LBS	149.02	352	ePKPd	49	56.60	0.2	
LPAP	102.55	112	ePdiff44	17.00	4.6X			VRAC	145.21	345	iPKPc	49	50.70	0.8	OSS	149.03	351	ePKP+	49	56.50	0.1
		i	45	32.70					1.8s	618.50nm				VBY	149.07	343	iPKPd	49	56.80	0.5	
SJG	114.00	77	(PKP)	48	50.50	-2.1X		HOF	145.24	350	iPKPc	49	50.40	0.4	SSF	149.19	360	ePKP	49	56.60	0.2
LMN	116.66	47	ePKP	48	56.00	-0.8		ENN	145.42	357	ePKP	49	50.50	0.2		1.2s	261.80nm				
BAO	120.35	119	PKPd	49	04.80	0.0			0.8s	60.70nm				LBF	149.27	359	ePKP	49	56.50	-0.1	
SVE	121.07	327	iPKPc	49	04.00	-0.8		UCC	145.44	359	PKP+	49	51.00	0.7		1.0s	127.20nm				
	1.3s	40.00nm					MEM	145.57	357	iPKPc	49	51.16	0.7	VDL	149.33	352	ePKPd	49	57.30	0.4	
		e	50	37.00			CMP	145.70	332	ePKPc	49	53.00	2.0	CIN	149.42	319	ePKP	49	57.00	0.0	
ARU	122.27	327	iPKPc	49	06.70	-0.4		SNF	145.73	359	iPKPc	49	51.83	1.0	RIY	149.45	344	iPKPc	50	01.30	4.5X
	1.0s	50.00nm					TNS	145.77	354	ePKPc	49	52.10	1.1	AVF	149.46	360	ePKP	49	56.70	-0.1	
KEV	124.44	350	iPKPc	49	10.24	-0.7		GRF	145.94	351	ePKPc	49	51.40	0.2		1.2s	107.70nm				
MAIO	126.49	303	iPKPc	49	16.70	0.6			Z	20s	0.80um		5.5Msz		MFF	149.52	5	ePKP	49	56.80	-0.1
SDF	126.62	349	iPKP	49	14.10	-1.2				ic	49	53.10			1.3s	251.25nm					
ASH	127.18	306	ePKP	49	16.00	-1.2		KHC	146.06	348	PKPc	49	52.00	0.5	SRS	149.55	329	ePKP	50	01.28	4.1X
AKU	128.49	11	iPKP	49	19.80	1.0			1.0s	57.00nm				SMF	149.61	359	ePKP	49	57.10	0.0	
	1.0s	24.00nm								e	50	04.00		BGF	149.70	1	ePKP	49	57.30	0.1	
SOB1	129.54	117	ePKP	49	22.60	0.2				e	51	27.00			1.1s	187.55nm					
KAF	131.30	346	ePKP	49	14.10	-10.2X		ZST	146.09	343	ePKP	49	52.00	0.5	TMA	149.78	352	ePKPd	49	57.80	0.2
PUL	132.20	342	(PKP)	49	26.00	0.0				e	51	26.00		KNT	149.86	330	ePKP	50	02.04	4.4X	
	1.4s	60.00nm					DOU	146.14	358	iPKPc	49	53.10	1.6	SOH	149.90	329	ePKP	50	02.16	4.4X	
	Z	18s	1.20um		5.6Msz		WET	146.19	349	iPKPd	49	52.20	0.5	VAY	149.90	330	iPKP	50	02.50	4.9X	
	N	18s	0.80um				VKA	146.24	344	ePKP	49	52.00	0.3	SKO	149.91	332	iPKPc	50	03.00	5.3X	
	E	18s	0.40um						i	49	53.80			1.1s	160.00nm						
NUR	133.09	346	ePKP	49	17.00	-10.7X	GEC2	146.31	348	ePKPc	49	51.60	-0.4	OUR	149.94	327	ePKP	50	02.60	4.9X	
OBN	133.46	334	iPKPd	49	28.00	-0.6			0.9s	49.58nm				MMK	149.95	353	ePKPd	49	58.90	1.0	
	1.0s	42.00nm								ec	49	53.60		TCF	149.95	1	ePKP	49	57.70	0.1	
		e	51	57.00						e	49	55.20			1.1s	161.15nm					
NB2	134.82	355	PKP	49	30.20	-0.9				e	49	58.50		LSF	149.97	2	ePKP	49	57.30	-0.3	
	0.9s	10.90nm								e	50	14.80			1.0s	207.20nm					
HFS	135.44	353	ePKP	49	17.10	-15.1X				epPKP	51	26.80		DIX	149.97	354	ePKPd	49	59.10	1.1	
	0.5s	1.40nm					WLF	146.51	357	iPKPc	49	54.69	2.7X	EMS	150.03	355	ePKPd	49	58.80	0.8	
BUL	136.16	215	ePKP	49	34.70	-0.3			1.1s	680.00nm				MAF	150.03	1	ePKP	49	58.10	0.4	
		i	52	33.40			SOP	146.71	344	ePKP	49	51.90	-0.6		1.1s	190.95nm					
KONO	136.33	355	(PKP)	49	34.41	0.5	KMR	146.96	347	iPKP+	49	55.80	2.9X	AGO	150.20	0	PKP	50	03.68	5.7X	
MTD	136.97	222	ePKP	49	21.80	-14.7X				epPKP	51	29.00		GRG	150.26	330	ePKP	50	03.20	4.9X	
		i	52	20.90			LANF	147.06	354	PKP	49	55.84	2.8X	PLDF	150.28	360	PKP	50	04.14	5.9X	
ERE	137.01	312	ePKP	49	36.00	0.0	HOFF	147.09	354	PKP	49	56.27	3.3X	PAIG	150.39	327	iPKP	50	03.32	4.9X	
EKA	140.60	6	PKPc	49	37.40	-4.5X	UZD	147.09	340	ePKP	49	55.70	2.6X	PYM	150.50	0	PKP	50	04.88	6.3X	
	1.2s	14.50nm					SRBF	147.12	354	PKP	49	56.27	3.2X	LPL	150.60	355	ePKP	49	59.50	0.6	
DCN	141.99	10	ePKP	49	39.60	-4.8X	FLN	147.35	5	ePKP	49	52.90	-0.5		0.9s	133.65nm					
DLF	142.16	10	ePKP	49																	

04d 08h

RJF	150.91	3 ePKP	49 59.30	0.2	UNM	7.75	309 eP	51 33.00	-2.3	1.0s	26.16nm	5.0mb
	1.0s	78.80nm			CRX	8.17	308 (P)	51 41.50	0.4	Z 18s	9.72um	5.5Msz
LBL	151.02	0 PKP	50 06.30	7.0X	MRX	9.52	304 eP	51 57.50	-1.9	HVU	32.22 331 ePc	56 07.90 0.4
RRL	151.18	355 PKP	50 05.80	6.0X	CGX	11.39	299 eP	52 23.50	-1.6	BONR	32.48 321 iPc	56 11.04 1.1
BHB	151.22	354 PKP	50 04.79	5.2X	AGX	11.61	311 (P)	52 34.50	6.7X		ePcP	58 56.40
LFF	151.24	4 ePKP	49 59.70	0.2	MZX	15.49	306 (P)	53 21.50	2.7	PHAM	32.58 316 eP	56 10.67 0.2
	1.0s	109.60nm			LTX	17.85	328 eP	53 47.91	-0.5	MEMM	32.70 320 eP	56 12.92 1.5
CAF	151.31	2 ePKP	50 00.10	0.4	UYO	19.66	356 iPc	54 08.00	-1.4	PTI	32.90 333 eP	56 14.25 0.8
	1.0s	94.00nm			MIAR	19.99	358 ePc+	54 11.57	-1.3	HHAI	33.25 334 eP	56 17.13 0.8
PCP	151.36	352 PKP	50 05.34	5.5X		1.4s	328.73nm		5.5mb		ePcP	58 58.69
STP	151.51	18 ePKP	50 01.68	1.7	PSO	20.24	129 eP	54 17.50	1.4	HRV	33.43 29 P	56 30.00 12.3X
LPO	151.52	3 ePKP	50 00.50	0.5	MEO	20.87	347 iPc	54 20.60	-1.4	Z 18s	9.97um	5.6Msz
	1.0s	90.00nm			BOG	20.94	116 iP	54 26.00	2.9X	RSNY	33.78 24 eP	56 19.88 -1.0
PZZ	151.57	354 PKP	50 05.66	5.4X			iS	58 24.00			0.8s	22.47nm
ROB	151.69	353 PKP	50 06.39	6.1X	FNO	21.09	350 iPc	54 24.70	0.5	Z 18s	5.50um	5.3Msz
FIN	151.73	352 PKP	50 06.25	5.9X	OCO	21.37	350 iPd	54 28.50	1.5		S	02 27.82
AGG	151.76	327 ePKP	50 06.56	6.0X	TUL	21.51	353 iP	54 29.40	1.1	SAO	33.80 316 P+	56 20.13 -0.9
STV	151.80	354 PKP	50 06.03	5.5X	HBF	21.60	30 eP	54 30.07	0.8	CMB	33.83 319 P+	56 21.27 -0.1
ENR	151.81	354 PKP	50 06.07	5.5X	PRM	21.71	24 eP	54 30.69	0.3	CMB	33.83 319 ePc	56 08.66 -12.7X
SAOF	152.03	353 PKP	50 07.81	7.0X	SGS	21.75	29 eP	54 31.41	0.7	Z 19s	1.90um	4.8Msz
AUTN	152.04	354 PKP	50 08.15	7.1X	MYNC	21.97	19 ePc	54 32.93	0.0		ePPd	57 43.66
TOUF	152.04	354 PKP	50 08.15	7.1X		2.0s	281.05nm		5.3mb		eS	01 52.66
IMI	152.07	353 PKP	50 06.27	5.4X	JSC	22.33	26 eP	54 36.56	0.0		eSS	04 24.66
AURF	152.15	354 PKP	50 08.15	7.1X	SDV	22.45	102 eP	54 39.50	1.4		eLQ	05 47.66
MVIF	152.16	354 PKP	50 07.92	6.8X	ACO	22.83	347 iPd	54 43.20	1.7		eLR	06 57.66
SBF	152.17	354 PKP	50 07.92	6.9X	ELC	22.95	7 eP	54 42.02	-0.5	LENH	34.61 27 P	56 40.00 12.0X
CALN	152.33	354 PKP	50 08.52	7.2X	TOV	23.02	99 eP	54 45.00	1.6	Z 18s	8.48um	5.5Msz
IGT	152.36	331 ePKP	50 08.32	7.0X	FVM	23.51	5 eP+	54 47.45	-0.6	BKS	34.94 317 ePc	56 35.09 4.3X
LRG	152.67	355 ePKP	50 05.10	3.5X		0.6s	16.84nm		4.7mb	Z 19s	2.70um	5.0Msz
ECRI	153.18	9 ePKP	50 02.02	-0.5		Z 18s	3.77um		4.9Msz		iPPd	58 03.09
PGF	153.25	351 PKP	50 10.47	7.8X			S	59 16.81			eS	02 16.09
GUD	154.77	13 ePKP	50 06.15	1.4	ALQ	23.78	331 ePc+	54 51.83	0.9		eLQ	06 26.09
EPLA	154.83	17 ePKP	50 06.44	1.7		2.1s	533.83nm		5.7mb		eLR	07 46.09
ETOR	155.00	10 ePKP	50 11.60	6.6X		Z 18s	2.08um		4.6Msz	LRM	35.34 336 ePc	56 35.40 0.9
PAB	155.77	14 ePKP	50 06.20	0.1			eS	59 22.01			e	59 09.20
EPRU	157.95	18 ePKP	50 10.25	1.4	TUC	24.14	320 ePc	54 56.19	1.9	ORV	35.44 320 ePc	56 35.77 0.7
KDS	164.58	101 ePKP	50 16.50	0.5		2.0s	429.95nm		5.6mb	ORV	35.44 320 ePd	56 17.58 -17.5X
LIC	167.21	140 PKP	50 18.40	0.2		Z 18s	7.99um		5.2Msz	Z 19s	1.20um	4.7Msz
	Z 20s	4.24um			SLM	24.18	5 P	55 00.00	5.6X		ePP	57 36.58
KIC	167.49	140 PKP	50 18.60	0.2		Z 18s	1.88um		4.6Msz		e	01 40.58
TIC	167.53	138 PKP	50 18.50	0.1	CEH	24.64	28 eP	54 58.66	-0.3		eLQ	05 13.58
	S.D. = 1.0	on 300 of 384 obs.				0.7s	202.31nm		5.7mb		eLR	06 23.58
						Z 18s	10.76um		5.4Msz	MIN	35.98 321 ePd	56 39.71 -0.1
							S	59 42.70		Z 20s	3.80um	5.2Msz
SEP 04, 1993 08h 49m 42.33±0.60s					NAV	25.15	23 eP	55 03.29	-0.6		iPPc	58 12.71
14.475 N ± 5.1km 92.854 W ± 3.7km					BLA	25.21	24 eP	55 04.72	0.4		eS	01 35.71
DEPTH = 56.5 ± 4.9 km						1.0s	36.23nm		4.8mb		eSS	05 23.71
4.9mb (57 obs.)					CAR	25.61	96 iP	55 08.00	-0.4		eLQ	06 58.71
NEAR COAST OF CHIAPAS, MEXICO (69)					GLA	27.22	317 eP	55 22.53	-0.4		eLR	08 09.71
Mw 5.6 (HRV). Ms 5.0 (BRK). MD					GLD	27.42	339 eP	55 25.36	0.5	WDC	36.69 321 P	56 46.88 1.3
5.0 (GCG).						1.6s	61.49nm		5.0mb	Z 18s	2.46um	5.0Msz
CENTROID, MOMENT TENSOR (HRV)					GOL	27.43	339 ePc	55 25.12	0.1	MIM	36.69 29 eP	56 44.12 -1.4
Data Used: GDSN						1.2s	95.50nm		5.3mb	LGPM	37.06 321 eP	56 48.15 -0.7
L.P.B.: 17S, 25C						Z 18s	1.74um		4.7Msz		ePcP	59 09.16
Centroid Location:							ePcP	58 43.28		ARE	37.28 145 e(P)	56 53.00 1.9
Origin Time 08:49:42.0 0.6					PV08	27.77	333 ePc	55 28.97	0.8	YBH	37.48 322 ePc	56 54.53 2.2
Lat 14.09N 0.07 Lon 92.93W 0.07					PV10	27.78	332 ePc	55 27.99	-0.2	Z 20s	2.70um	5.0Msz
Dep 15.0 BDY Half-duration 1.6					PV09	27.92	332 ePc	55 30.14	0.6		ePPd	58 32.53
Moment Tensor; Scale 10**17 Nm					PLM	28.77	315 iPc	55 37.51	0.4		i	00 24.53
Mrr=-1.62 0.11 Mtt=-1.33 0.12					SRU	29.06	331 ePc	55 39.90	0.2		eS	02 42.53
Mff=-0.30 0.19 Mrt= 0.73 0.46					PEC	29.29	316 eP	55 40.23	-1.4		eSS	05 36.53
Mrf=-1.98 0.33 Mtf= 0.10 0.10						1.2s	24.92nm		4.7mb		eLQ	07 50.53
Principal Axes:					MSU	29.41	328 iPc	55 43.63	0.8		eLR	08 53.53
T Val= 2.94 Plg=58 Azm= 76							ePcP	58 48.07		KMPM	37.57 319 (P)	56 52.95 -0.2
N -1.00 15 321					ARUT	29.54	326 ePc	55 44.91	0.9	FHC	37.71 320 eP	56 54.99 0.8
P -1.94 28 223					EMUT	29.76	331 ePc	55 46.65	0.7		1.3s	112.31nm
Best Double Couple:Mo=2.4*10**17					GSC	29.89	318 eP	55 47.57	0.5	CBM	38.39 27 eP	56 58.34 -1.4
NP1:Strike=280 Dip=22 Slip= 47					DAU	30.44	332 ePc	55 52.73	0.7		1.0s	18.14nm
NP2: 145 74 105							ePcP	58 54.95		Z 18s	3.23um	5.2Msz
TPX	0.72	53 iP	49 59.00	2.3	YSNY	30.51	21 P	55 50.38	-2.0	VGB	38.89 328 eP	57 05.77 1.8
		iS	50 11.50		Z 19s	7.81um		5.4Msz		LMN	39.18 31 eP	57 07.00 0.6
PCG	2.18	92 eP	50 17.43	0.4	DUG	31.01	329 ePd	55 57.79	0.9	NEW	39.21 334 ePc	57 06.67 0.0
GCG	2.25	87 ePc	50 19.81	1.8		1.8s	131.00nm		5.4mb		0.8s	14.21nm
SCX	2.26	5 iP	50 17.00	-0.9			ePcP	58 51.23		Z 18s	7.05um	5.5Msz
		iS	50 50.50		RSSD	31.05	344 eP	55 57.85	0.6	LPB	39.33 141 P	57 09.00 0.6
IXG	2.35	97 eP	50 19.47	0.2		0.7s	19.60nm		5.0mb	Z 20s	1.77um	4.9Msz
		eS	50 53.89			Z 21s	1.01um		4.4Msz		LR	08 43.00
YUP	2.97	95 eP	50 28.51	0.3			iPcP	58 51.59		DPW	39.37 333 iPc	57 08.73 0.7
OXX	4.54	305 (P)	50 47.50	-2.8	TBR	31.12	28 eP	55 57.08	-0.6	RNO	39.42 324 P	57 09.66 1.1
		(S)	51 37.50		ISA	31.19	317 eP	55 58.48	0.0	CNCB	39.62 141 P	57 09.30 -1.7
LVVM	6.26	327 iP	51 09.25	-5.0X		1.3s	10.64nm		4.4mb	ASR	39.74 328 P	57 12.33 1.2
IIT	6.91	312 (P)	51 22.00	-1.6	BINY	31.24	25 ePc	55 58.15	-0.6	EBG	39.76 330 P	57 12.74 1.5
ACX	7.15	290 eP	51 21.50	-5.3X		0.6s	16.82nm		5.0mb	SAW	39.78 332 P	57 12.52 1.1
PPM	7.17	310 eP	51 26.00	-1.5		Z 18s	5.97um		5.3Msz	LON	40.26 329 eP	57 15.48 0.1
		(S)	52 47.00		BW06	31.66	336 iPc	56 02.48	-0.2	FMW	40.31 329 P	57 16.93 1.0
III	7.44	302 eP	51 27.50	-3.5X		1.1s	24.93nm		4.9mb	RMW	40.75 330 (P)	57 19.51 0.2
		(S)	52 45.00		LSCT	32.00	28 eP	56 04.44	-1.0	BMW	40.79 328 eP	57 20.43 0.7

CCH	41.20	139	P	57	19.80	-3.9X	HAU	85.41	42	eP	02	14.70	-0.3	NORTHERN ITALY (545)							
GMW	41.29	329	eP	57	23.73	0.0		0.7s	7.95nm				5.0mb	ML 1.5 (GEN).							
JCW	41.32	330	P	57	24.07	0.1	Z	21s	0.88um				5.1msz	PZZ	0.11	276	P	12	20.90	0.0	
STV	43.62	133	P	57	41.30	-1.8	HFS	85.59	29	eP	02	15.80	0.2		S				12	22.77	
YJA	45.22	143	eP	57	55.50	-1.0		0.6s	3.70nm				4.7mb	STV	0.26	168	P	12	23.46	0.1	
YKA	50.38	347	eP	58	35.90	0.4	Z	19s	1.00um				5.2msz		S				12	26.94	
	0.6s	51.10nm				5.7mb			LR			31	49.00	ENR	0.29	156	P	12	24.10	0.0	
SIT	53.24	333	P	59	10.00	12.9X	BSF	85.75	42	eP	02	16.10	-0.7		S				12	28.13	
Z	18s	1.75um				5.2msz		0.8s	5.10nm				4.7mb	BHB	0.35	1	P	12	25.15	0.0	
BAO	53.49	122	eP	58	58.00	-1.6	CDF	85.89	41	eP	02	16.90	-0.6		S				12	29.96	
	i			59	01.80			1.4s	15.70nm				5.0mb	ROB	0.49	114	P	12	27.83	0.0	
	e			59	15.00		TIC	86.28	84	P	02	20.60	0.7	S.D. = 0.0 on 5 of 5 obs.							
PPD	54.54	131	eP	59	05.50	-1.7	LIC	86.37	85	P	02	21.20	0.9	* SEP 04, 1993 09h 17m 06.71± 1.68s							
SOB1	56.64	111	eP	59	21.70	-0.8	LPL	86.38	44	eP	02	19.90	-0.2	14.255 N ±20.9km 92.775 W ±11.8km							
VAO	58.35	129	(P)	59	37.00	2.6		1.0s	7.80nm				4.8mb	DEPTH = 67.1 ± 11.7 km							
BALM	58.45	334	eP	59	34.56	-0.1	LPG	86.40	44	eP	02	20.40	0.1	4.2mb (1 obs.)							
INK	59.75	344	ePd	59	43.50	0.1	KIC	86.62	84	P	02	22.50	1.0	NEAR COAST OF CHIAPAS, MEXICO (69)							
	0.9s	22.00nm				5.3mb	MOX	87.85	38	eP	02	33.00	6.1X	TPX	0.82	38	iPc	17	22.00	-1.0	
KLU	60.19	334	ePc	59	46.47	-0.1		e				13	07.00		iS			17	34.50		
PMR	61.62	333	ePc	59	55.77	-0.4	GRF	87.94	39	eP	02	29.00	1.7	IXG	2.25	92	eP	17	42.42	-0.1	
	1.1s	32.90nm				5.4mb	CLL	88.44	37	eP	02	29.00	-0.6		eS			18	14.14		
Z	18s	1.12um				5.1msz		Z	17s	0.50um			5.0mszX	SCX	2.47	3	eP	17	47.00	1.6	
SLKM	61.68	332	ePc	59	56.15	-0.6	BRG	89.15	37	eP	02	35.10	2.1		iS			18	20.50		
HON	62.01	287	P	00	10.00	10.6X		0.9s	10.00nm				5.1mb	YUP	2.88	91	eP	17	51.91	0.5	
Z	18s	0.23um				4.4msz	PET	89.30	325	eP	02	36.00	2.4	OXX	4.73	307	(P)	18	17.50	0.1	
FBA	62.48	337	(P)	00	00.83	-1.1		e				06	12.00		eS			19	13.50		
	0.7s	7.67nm				4.9mb	KHC	89.58	39	P	02	36.50	1.3	PPM	7.37	311	(P)	18	54.00	-0.5	
RSO	62.84	331	ePc	00	03.67	-0.9		1.0s	3.50nm				4.6mb		(S)			20	17.50		
CRP	62.84	332	(P)	00	03.70	-0.8		Z	18s	0.80um			5.2msz	UYO	19.88	356	iPc	21	33.60	-1.7	
CP2	62.88	332	eP	00	04.39	-0.4	N	18s	0.20um					LRM	35.57	336	eP	24	00.90	1.1	
SVW	64.38	331	eP	00	13.27	-1.2	E	18s	0.60um					YKA	50.61	347	eP	26	00.20	-0.3	
	0.7s	16.17nm				5.1mb	TIK	89.64	348	iPc	02	36.00	1.1		0.7s	1.70nm			4.2mb		
TTA	65.10	333	ePc	00	18.14	-1.0		2.0s	60.00nm				5.6mb	INK	59.98	344	eP	27	08.50	0.3	
	0.9s	8.53nm				4.8mb		i				02	42.00	S.D. = 1.2 on 10 of 10 obs.							
DAG	72.37	13	eP	01	04.20	0.5		e				06	09.00	SEP 04, 1993 09h 35m 09.70± 0.54s							
DCN	75.90	38	eP	01	23.90	-0.6	GEC2	89.76	39	ePd	02	36.70	0.6	42.308 N ± 5.2km 110.247 W ± 5.7km							
STS	76.17	49	eP	01	25.00	-1.3		1.0s	4.52nm				4.7mb	DEPTH = 5.0km (geophysicist)							
ERUA	77.26	49	eP	01	31.50	-0.9		e				02	42.90	WYOMING (460)							
EKA	78.07	36	Pc	01	36.30	-0.2	PRU	89.84	38	eP	02	36.90	0.6	ML 2.9 (GS).							
	1.2s	19.90nm				5.0mb	Z	19s	1.50um				5.4msz	BW06	0.69	47	iPd	35	24.19	0.6	
EPLA	78.40	51	eP	01	37.80	-0.9	E	19s	1.90um						eS			35	31.22		
GUD	79.75	51	eP	01	45.70	-0.5	ZST	92.10	39	eP	02	49.20	2.5	PTI	1.67	290	eP	35	41.07	1.2	
LPF	80.59	43	eP	01	49.10	-1.1	TIY	122.91	336	ePKP	08	31.20	-2.9X		eS			36	01.05		
	1.0s	18.20nm				5.0mb	Z	20s	2.12um				5.8msz	HHAI	1.85	303	eP	35	41.87	-0.7	
FLN	80.81	42	eP	01	50.60	-0.8	N	15s	0.81um					HVU	1.96	255	eP	35	44.21	0.2	
	0.9s	14.60nm				4.9mb	GTA	125.11	348	PKP	08	38.50	0.1		eS			36	10.11		
Z	20s	1.02um				5.2msz	Z	20s	1.32um				5.6msz	DAU	2.04	202	eP	35	45.64	0.2	
LDF	81.08	42	eP	01	52.00	-0.8	N	15s	0.35um						eS			35	53.21	0.9	
	0.7s	6.85nm				4.7mb	LZH	127.29	343	PKP	08	43.00	0.2	EMUT	2.53	190	eP	35	53.21		
MFF	81.47	44	eP	01	53.90	-1.0		Z	20s	1.29um					eS			36	10.65		
	0.9s	7.20nm				4.6mb	N	18s	1.43um					DUG	2.86	223	ePn	35	55.96	-1.1	
LFF	82.43	46	eP	01	59.20	-0.7		PP				10	42.00	SRU	3.20	184	eP	36	01.93	0.1	
	0.7s	11.00nm				5.0mb	XAN	127.49	337	PKP	08	43.20	0.1		eS			36	49.30		
EPF	82.57	48	eP	02	00.30	-0.5	WB2	134.69	256	iPKPc	08	56.10	-1.0	PV09	3.90	167	ePn	36	11.86	0.0	
	0.9s	9.50nm				4.8mb		0.6s	2.10nm						ePg			36	21.73		
LSF	82.68	44	eP	02	00.10	-1.1	WRA	134.70	256	PKP	08	50.80	-6.3X		eS			37	09.15		
	1.0s	8.80nm				4.7mb		1.0s	0.60nm					PV08	3.92	161	ePn	36	12.31	0.1	
LPO	82.80	46	eP	02	01.00	-0.9	CHTO	144.94	340	ePKP	09	14.00	-1.6		eS			37	09.15		
	0.8s	6.70nm				4.7mb		1.0s	18.75nm						ePnc			36	14.68	1.0	
RJF	82.88	45	eP	02	00.70	-1.6	LOE	145.21	335	ePKP	09	15.90	-0.2	MSU	4.07	202	ePn	36	12.82	-1.3	
	0.8s	6.45nm				4.7mb	BDT	146.38	339	ePKP	09	18.00	0.0	GOL	4.52	124	(P)	36	18.77	-1.8X	
Z	21s	0.77um				5.1msz		0.5s	47.80nm					RSSD	4.89	66	ePn	36	24.66	-1.2	
TCF	83.13	44	eP	02	02.60	-1.0	HYB	147.20	15	ePKP	09	21.30	1.9		ePg			36	39.60		
	1.0s	6.20nm				4.6mb		0.8s	71.40nm						eS			37	34.08		
CAF	83.35	45	eP	02	03.80	-0.9	NST	147.41	336	ePKP	09	22.00	2.3X	S.D. = 0.9 on 13 of 14 obs.							
	0.6s	1.70nm				4.2mb	NNT	150.36	335	ePKP	09	30.30	6.0X	* SEP 04, 1993 09h 53m 53.16± 1.18s							
MAF	83.38	44	eP	02	04.00	-0.9	GBA	150.49	19	PKPc	09	31.00	6.5X	17.224 N ±17.9km 94.308 W ±15.0km							
	1.0s	7.60nm				4.7mb		S.D. = 1.1 on 167 of 188 obs.					DEPTH = 33.0km (normal)								
BGF	83.49	44	eP	02	04.50	-0.9	TURKEY (366)						CHIAPAS, MEXICO (61)								
	0.7s	9.25nm				4.9mb	ML 2.7 (ISK).														
AVF	83.77	43	eP	02	05.60	-1.2	I	% SEP 04, 1993 08h 57m 30.19± 0.86s													
	0.7s	3.65nm				4.5mb		39.072 N ± 7.0km 27.561 E ± 9.2km													
SSF	83.81	43	eP	02	06.00	-1.0		DEPTH = 10.0km (geophysicist)													
LOR	83.99	43	eP	02	07.10	-0.8															
	0.7s	4.20nm				4.6mb															
Z	23s	1.10um				5.2mszX															
NB2	84.12	28	P	02	09.40	1.1	I	ZM	0.71	199	ePg	57	44.20	-0.1	OXX	2.31	267	iP	54	30.00	0.1
	1.0s	15.00nm				5.0mb				eSg		57	55.70			iS			55	02.50	
SMF	84.13	43	eP	02	07.40	-1.2		DST	0.98	57	ePn	57	49.10	0.2	TPX	3.03	139	eP	54	40.00	0.0
	0.6s	3.05nm				4.5mb		EZN	1.22	309	ePn	57	53.00	0.2		eS			54	50.00	
LBF	84.14	43	eP	02	07.50	-1.2		EDC	1.29	10	ePn	57	54.00	-0.1	L	3.22	321	(P)	54	42.00	-0.6
	0.7s	2.10nm				4.3mb		BNT	1.31	12	ePn	57	54.30	-0.1		(S)			55	24.50	
	S.D. = 0.2 on 5 of 5 obs.																				
ENN	84.38	39	eP	02	09.50	-0.2		% SEP 04, 1993 09h 12m 17.95± 0.77s													
	0.9s	14.90nm				5.0mb		44.494 N ± 6.3km 7.252 E ± 8.2km													
WTS	84.57	38	eP	02	14.50	3.9X		DEPTH = 10.0km (geophysicist)													

04d 09h

(S) 56 08.50					FMW	82.26	36 P	56 41.57	0.4	MAF	151.53	358 iPKPc	04 09.00	7.4X					
UNM	5.08 295 (P) 55 09.50 0.1				JBO	82.45	37 P	56 42.33	0.4		0.6s	2.80nm							
	S.D. = 1.1 on 7 of 7 obs.				RMW	82.50	35 ePc	56 42.57	0.4	LPL	151.87	352 iPKPc	04 10.50	8.1X					

SEP 04, 1993 10h 29m 52.59± 0.50s					EBG	82.86	36 P	56 44.73	0.7		0.6s	1.25nm							
40.568 N ± 4.4km 22.520 E ± 4.1km					JCW	82.86	34 P	56 44.17	0.2	LPG	151.89	352 iPKPc	04 10.60	8.1X					
DEPTH = 10.0km (geophysicist)					KLU	83.16	15 ePc	56 44.41	-0.8		0.7s	2.10nm							
GREECE (364)					LNOR	83.58	38 P	56 47.78	0.2	RJF	152.47	360 ePKP	04 10.80	7.9X					
ML 2.7 (THE).					WTV	83.65	36 P	56 48.06	0.1	CAP	152.84	359 ePKP	04 11.80	8.3X					
S.D. = 0.8 on 68 of 97 obs.																			

? SEP 04, 1993 10h 57m 17.58± 8.91s																			
42.945 N ± 40.5km 128.336 W ± 58.9km																			
DEPTH = 10.0km (geophysicist)																			
OFF COAST OF OREGON (30)																			

THE	0.34	79	iPg	29 59.89 0.2		0.8s	1.71nm		3.7mb	TKO	4.27	54 P	58 23.13	-1.0					
			eSg	30 04.68						FBO	4.40	70 P	58 26.31	0.3					
GRG	0.40	347	ePg	29 59.78 -1.0	DPW	84.73	36 ePc	56 53.25	0.1	KMOR	4.40	51 Pc	58 25.34	-0.6					
			eSg	30 06.00	SRU	85.13	46 eP	56 55.56	0.1	HBO	4.48	76 P	58 27.93	0.8					
LIT	0.47	183	iPg	30 01.10 -1.0	NEW	85.55	36 eP	56 56.59	-0.5	SSOR	4.66	64 Pd	58 29.79	0.1					
			eSg	30 08.60		0.8s	11.46nm		4.6mb	NLO	4.70	46 P	58 30.35	0.1					
KNT	0.66	26	ePg	30 04.76 -1.0	FBA	85.68	13 ePc	56 55.68	-1.6	WPO	4.77	55 P	58 31.35	0.1					
			eSg	30 15.76		0.4s	5.31nm		4.6mb	PGO	4.92	57 P	58 33.93	0.6					
SOH	0.68	68	ePg	30 06.36 0.2	PV09	85.83	48 eP	56 58.44	-0.5	BMW	5.07	44 eP	58 34.66	-0.8					
			eSg	30 17.04	PV10	85.84	48 eP	56 57.34	-1.6	BPO	5.10	68 P	58 36.27	0.2					
VAY	0.75	3	iPg	30 07.70 0.4	HHAI	85.86	42 ePc	56 59.63	0.8	RVW	5.12	49 P	58 36.07	-0.1					
			iSg	30 18.50	LTX	86.19	58 ePc	57 00.57	-0.1	VLMM	5.21	58 P	58 37.83	0.3					
FNA	0.90	284	ePg	30 10.24 0.4	PV08	86.20	48 eP	57 00.52	-0.3	TDH	5.26	61 P	58 38.51	0.2					
SRS	0.98	56	iPg	30 11.12 -0.1	ALQ	86.25	52 eP	57 00.86	-0.1	LVP	5.26	52 P	58 38.58	0.3					
PAIG	1.09	125	ePg	30 13.72 0.6		0.8s	3.71nm		4.2mb	MTMW	5.35	53 P	58 39.40	-0.2					
OUR	1.14	101	ePg	30 14.12 0.2	LRM	87.04	40 eP	57 04.80	0.3	FL2	5.37	51 P	58 40.01	0.2					
			eSg	30 31.28	BW06	87.45	44 ePc	57 06.25	-0.2	VLL	5.41	60 P	58 40.82	0.5					
OHR	1.41	293	ePn	30 18.70 0.3		0.7s	7.46nm		4.6mb	CZM	5.43	48 P	58 40.68	0.2					
SKO	1.62	330	ePn	30 22.00 0.7	GOL	88.99	48 ePd	57 14.09	0.4	SHW	5.43	51 eP	58 40.52	-0.2					
S.D. = 0.7 on 12 of 12 obs.						1.1s	9.16nm		4.6mb	ERK	5.44	50 P	58 40.59	-0.2					

* SEP 04, 1993 10h 45m 21.81± 0.58s					GLD	89.11	48 eP	57 14.89	0.8	CPW	5.46	41 P	58 40.77	-0.3					
17.690 S ± 16.8km 178.793 W ± 12.7km						1.3s	9.94nm		4.6mb	YEL	5.47	51 P	58 41.63	0.3					
DEPTH = 616.4 ± 6.5 km					RSSD	91.66	44 eP	57 24.18	-1.6	CDFW	5.50	53 P	58 41.58	0.0					
4.6mb (19 obs.)						0.9s	5.58nm		4.6mb	SOSW	5.52	51 Pd	58 42.39	0.5					
FIJI ISLANDS REGION (181)					INK	91.77	15 eP	57 25.50	0.0	TDL	5.54	50 Pc	58 42.10	-0.1					
						1.0s	3.00nm		4.3mb	CROR	5.68	66 P	58 43.37	-0.8					
VUN	2.63	263	eP	46 40.30 -0.5	DCN	143.81	9 ePKP	03 48.10	-1.0	LMW	5.69	47 P	58 44.38	0.1					
SVA	2.65	260	eP	46 40.70 -0.1	DLF	143.96	8 ePKP	03 48.60	-0.8	ASR	5.79	54 P	58 45.86	0.2					
BKM	12.36	268	iP	48 07.50 3.5X	CLL	145.17	347 iPKPc	03 53.10	1.6	VIPM	5.81	72 P	58 44.76	-1.2					
DZM	14.55	250	iPc	48 27.10 1.7		1.0s	29.00nm			LON	6.00	48 eP	58 48.62	0.1					
ARMA	29.74	239	iPd	50 42.60 0.3	BRG	145.37	346 iPKP	03 53.80	1.9	GLK	6.00	51 P	58 48.82	0.2					
	0.4s		15.00nm	5.0mb		1.0s	10.00nm			REMR	6.02	48 Pd	58 49.27	0.3					
CTA	33.12	260	iP	51 12.00 1.3	PRU	146.04	345 iPKPc	03 55.50	2.5X	RVC	6.03	46 P	58 49.42	0.4					
	1.0s		45.00nm	5.1mb		0.8s	10.90nm			WPW	6.11	50 P	58 50.20	0.0					
CNB	33.27	232	iPd	51 12.50 0.6	ZST	146.92	340 iPKP	03 58.70	4.3X	GL2	6.16	58 P	58 50.60	-0.3					
	0.6s		57.00nm	5.4mb	GRF	147.07	348 ePKP	03 56.40	1.7	FMW	6.18	48 Pd	58 51.49	0.2					
CAN	33.55	232	iPd	51 14.30 0.2			ic	03 59.80		GSM	6.29	45 P	58 52.91	0.2					
BWA	33.65	234	eP	51 14.00 -1.0			e	04 03.80		RMW	6.45	43 eP	58 54.62	-0.4					
TOO	37.02	230	iPd	51 43.10 0.4	KHC	147.07	345 PKPc	03 59.00	4.3X	JBO	6.61	65 P	58 57.00	-0.2					
	0.9s		97.00nm	5.4mb		1.0s	7.00nm			HTW	6.71	41 P	58 58.25	-0.3					
STK	38.42	241	iPd	51 55.10 1.1			e	04 03.00		EBG	6.79	52 P	58 59.75	0.0					
	0.5s		20.60nm	4.9mb	GEC2	147.31	345 ePKPc	03 59.10	3.9X	JCW	6.91	38 P	59 01.65	0.3					
WB2	44.30	259	iPd	52 40.70 0.1		0.5s	5.58nm			RPW	7.28	39 P	59 06.81	0.2					
	0.4s		63.40nm	5.5mb	DOU	147.56	356 iPKP	03 59.60	4.2X	ETW	7.32	48 P	59 07.30	0.1					
WRA	44.31	259	P	52 35.80 -4.9X	WLF	147.86	354 iPKPc	04 00.85	5.0X	CRF	7.44	56 P	59 08.42	-0.4					
	0.5s		1.10nm	3.6mb X		0.8s	58.00nm			S.D. = 0.4 on 45 of 45 obs.									
ASPA	44.50	254	iPd	52 42.80 0.6	CDF	148.96	352 iPKPc	04 03.00	5.2X	-----									
	0.7s		168.50nm	5.6mb X		0.6s	5.50nm			* SEP 04, 1993 11h 02m 36.93± 1.45s									
FORT	49.77	244	iPd	53 21.10 -0.6	FLN	148.98	2 iPKPc	04 02.60	5.0X						7.166 S ± 15.9km 116.877 E ± 14.5km				
COOL	55.72	244	eP	54 02.80 -1.2		0.9s	22.75nm			DEPTH = 33.0km (normal)									
MBL	57.68	256	iPd	54 17.20 -0.2	LDF	149.16	2 iPKPc	04 02.90	5.0X	4.4mb (3 obs.)									
	0.4s		22.00nm	4.7mb		0.4s	5.90nm			BALI SEA (278)									
KLB	58.59	243	eP	54 22.30 -1.2	GRR	149.34	3 iPKPc	04 03.60	5.4X	KHKI	1.73	226 iP	03 03.50	-1.6					
NWA0	58.99	242	eP	54 25.50 -0.5		0.4s	6.55nm					i(S)	03 35.20						
BAL	59.55	245	eP	54 29.00 -0.8	HAU	149.47	353 iPKPc	04 04.20	5.7X			e	08 45.20						
MUN	59.90	243	eP	54 31.50 -0.5		0.7s	8.60nm			MKS	3.22	53 iPc	03 16.50	-9.9X					
MRWA	60.26	246	eP	54 33.00 -1.5	BSF	149.59	353 iPKPc	04 04.30	5.5X			iS	04 05.00						
PLM	77.87	49	eP	56 18.50 -0.4		0.7s	7.60nm			MKS	3.22	53 iPc	03 27.00	0.6					
ISA	77.93	46	ePc	56 19.19 0.2	LPF	149.68	3 iPKPc	04 04.60	5.9X			iS	04 05.00						
	0.8s		12.95nm	4.4mb		0.6s	13.25nm			MBL	14.20	169 eP	05 58.00	0.1					
CMB	77.93	43	ePc	56 18.72 -0.2	LOR	150.42	356 iPKPc	04 06.30	6.4X			eS	08 34.00						
	0.9s		10.50nm	4.3mb		0.8s	15.70nm			MTN	15.12	113 eP	06 08.00	-2.0					
ORV	78.07	42	ePc	56 19.59 0.0	SSF	150.65	357 iPKPc	04 07.00	6.8X	MEEK	19.44	175 eP	07 04.80	1.1					
LBFM	78.86	40	eP	56 23.81 -0.1		0.7s	8.05nm				0.5s	17.00nm		4.6mb					
GLA	79.20	50	eP	56 26.25 0.6	LBF	150.70	356 iPKPc	04 07.00	6.6X	WB2	21.18	129 eP	07 21.80	-0.2					
BONR	79.27	44	eP	56 26.16 -0.1		0.7s	3.95nm				0.3s	5.10nm		4.4mb					
TNP	80.06	45	eP	56 30.46 0.2	AVF	150.93	357 iPKPc	04 07.10	6.5X	MRWA	21.95	182 eP	07 30.50	0.9					
	0.8s		9.05nm	4.3mb	SMF	151.04	356 ePKP	04 08.60	7.8X	ASPA	23.16	137 iPc	07 43.70	2.1X					
RSO	80.67	13	eP	56 31.47 -1.4	MFF	151.15	2 iPKPc	04 07.80	6.8X		0.8s	10.50nm		4.4mb					
			ePc	56 35.56 0.2		0.8s	11.30nm			BAL	23.32	180 eP	07 44.00	0.9					
VIPM	81.45	38	P	56 37.58 0.4	BGF	151.18	358 iPKPc	04 08.00	7.0X	NWA0	25.63	179 eP	08 05.40	0.2					
CP2	81.51	13	eP	56 36.74 -0.4		0.7s	6.50nm												
CROR	81.51	37	P	56 37.51 0.2	TCF	151.47	359 iPKPc	04 08.60	7.1X										
ASR	81.84	36	P	56 39.41 0.4		1.1s	10.00nm												
GMW	82.01	35	eP	56 39.89 0.2	LSF	151.52	360 iPKPc	04 08.50	7.0X										
LON	82.07	36	P	56 40.18 0.1		0.9s	9.65nm												

04d 11h

S.D. = 1.3 on 9 of 11 obs.

SEP 04, 1993 11h 04m 04.37± 0.54s
39.513 N ± 4.8km 27.814 E ± 5.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.2 (ISK).

DST 0.64 81 iPg 04 17.00 -0.2
iSg 04 28.00
EDC 0.83 3 iPg 04 21.00 0.5
iSg 04 33.00
KCT 0.84 29 iPg 04 21.20 0.5
eSg 04 33.20
EZN 1.19 286 iPn 04 26.60 0.0
IZM 1.19 201 iPg 04 26.20 -0.5
CTT 1.70 16 iPn 04 33.70 -0.5
ISK 1.82 31 ePn 04 35.20 -0.7
ALT 1.84 104 ePn 04 36.50 0.2
CIN 1.92 174 eP 04 38.00 0.6
S.D. = 0.6 on 9 of 9 obs.

% SEP 04, 1993 11h 10m 21.46± 0.92s
39.132 N ± 8.2km 27.604 E ± 15.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.78 200 ePg 10 36.70 0.0
eSg 10 50.70
DST 0.92 59 ePn 10 39.00 -0.1
EDC 1.23 9 ePn 10 44.00 -0.3
BNT 1.25 11 ePn 10 44.70 0.1
KCT 1.26 27 iPn 10 45.20 0.4
S.D. = 0.4 on 5 of 5 obs.

% SEP 04, 1993 11h 12m 24.82± 0.78s
40.191 N ± 7.6km 27.013 E ± 7.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

MFT 0.63 19 iPg 12 37.70 0.2
iSg 12 45.70
EZN 0.64 236 iPg 12 37.10 -0.6
EDC 0.67 76 iPg 12 37.00 -1.1
eSg 12 47.00
KCT 1.03 86 iPn 12 44.70 0.4
DST 1.37 115 iPn 12 50.00 0.0
CTT 1.44 48 iPn 12 51.70 0.8
IZM 1.80 174 ePn 12 57.00 0.8
IZI 1.89 85 ePn 12 57.00 -0.5
S.D. = 0.8 on 8 of 8 obs.

SEP 04, 1993 11h 38m 38.93± 0.09s
36.429 N ± 2.4km 70.812 E ± 1.4km
DEPTH = 194.5km (geophysicist)
5.9mb (197 obs.)
HINDU KUSH REGION, AFGHANISTAN (718)
Mw 6.0 (GS), 6.0 (HRV). Felt in
much of northern Pakistan. Also
felt in the Delhi, India area.
Depth from broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 62 Dip=60 Slip= 90
NP2: 242 30 90
Principal Axes:
T Plg=75 Azm=332
P 15 152
Comment: The focal mechanism is
moderately well controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.0±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 201 No. of sta: 20
Moment Tensor; Scale 10**18 Nm
Mrr= 0.65 Mtt=-1.15
Mff= 0.50 Mrt= 0.39
Mrf= 0.44 Mtf= 0.15
Principal axes:
T Val= 1.09 Plg=50 Azm=286
N 0.14 38 83

P -1.24 11 182
Best Double Couple:Mo=1.2*10**18
NP1:Strike=309 Dip=47 Slip= 147
NP2: 63 66 48
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, **C
Centroid Location:
Origin Time 11:38:42.0 0.2
Lat 36.16N 0.02 Lon 70.51E 0.02
Dep 189.7 0.8 Half-duration 2.3
Moment Tensor; Scale 10**17 Nm
Mrr= 6.47 0.17 Mtt=-5.94 0.22
Mff=-0.53 0.24 Mrt= 5.39 0.19
Mrf= 5.10 0.19 Mtf=-1.91 0.21
Principal Axes:
T Val= 10.18 Plg=63 Azm=304
N -0.64 12 58
P -9.54 24 154
Best Double Couple:Mo=9.9*10**17
NP1:Strike=268 Dip=24 Slip= 121
NP2: 54 70 77

KSH 5.08 52 iP 39 56.50 1.5
FRU 7.04 23 iPnd- 40 20.00 -0.4
e 41 38.00
MAIO 9.13 273 iPc 40 46.80 -1.1
0.6s 82.77nm 5.3mb
eS 42 20.00
NDI 9.42 143 iPd 40 51.00 -0.6
eS 42 27.00
ASH 10.06 282 iPc 40 58.00 -1.9
1.0s 2130.00nm 6.5mb
iS 42 47.50
WMQ 14.86 55 iPd 42 00.00 -0.9
1.0s 1850.00nm 6.5mb
S 44 39.00
DMN 14.96 122 Pd 42 01.00 -1.4
KKN 14.97 121 Pd 42 00.80 -1.6
GUN 15.31 119 Pd 42 05.00 -1.7
TEH 15.72 273 eP 42 14.00 2.4
SHI 16.75 251 iPc 42 25.00 1.0
BAK 16.85 290 iPc 42 28.00 3.0X
iS 45 36.00
POO 18.03 171 iPd 42 43.20 5.2X
1.0s 1000.00nm 6.2mb
LSA 18.30 106 Pd 42 41.80 0.5
S 45 59.00
KER 19.43 271 iPc 42 53.30 0.7
TAB 19.55 282 iP+ 42 56.00 2.2
i 43 52.00
i 46 30.00
i 50 22.00
HYB 20.14 158 iPd 43 00.80 1.1
1.2s 3939.40nm 6.8mb
i 43 33.00
iS 43 56.00
iS 46 28.00
GRO 20.44 297 iPc+ 43 04.00 1.6
1.0s 7000.00nm 7.1mb X
i 43 34.00
i 44 01.00
iS 46 44.00
MTA 20.84 293 eP 43 10.00 3.6X
1.0s 1100.00nm 6.3mb
ERE 20.96 288 iP+ 43 10.00 2.3
iS 46 55.00
SHL 21.01 115 iP 43 09.20 0.7
iS 46 50.50
SVE 21.51 345 iPc+ 43 14.00 1.2
1.7s 1200.00nm 6.1mb
Z 11s 6.50um 5.3MsZx
iS 46 48.00
ARU 21.61 341 iPc+ 43 15.50 1.6
1.0s 2400.00nm 6.7mb
Z 12s 15.00um 5.6MsZx
N 15s 11.00um
E 16s 7.00um
e 43 44.50 150kmX
eS 47 02.50
eSSS 47 50.00
PYA 22.44 298 iPc 43 23.00 1.0
1.3s 1600.00nm 6.4mb
Z 17s 10.00um 5.3MsZx
N 17s 5.00um
E 17s 7.00um
iS 47 17.10

KIV 22.69 298 iPc 43 28.60 4.1X
2.6s 4632.00nm 6.6mb
Z 16s 5.70um 5.1MsZx
eS 47 22.80
GTA 23.03 74 iP 43 30.00 2.0
Z 14s 5.23um 5.1MsZx
N 14s 5.36um
pP 44 07.50 197kmX
sP 44 30.00
S 47 25.00
SS 48 30.00
ScP 50 29.00
ScS 54 13.00
GBA 23.49 164 Pd 43 35.00 2.6
SOC 24.77 296 iPc+ 43 45.00 0.9
1.4s 99.00nm 5.2mb
Z 15s 4.00um 5.0MsZx
N 16s 4.50um
E 14s 2.30um
eS 47 50.00
eSS 48 58.00
eSSS 49 03.00
LZH 26.57 81 iPc 44 02.00 1.1
1.4s 220.00nm 5.7mb
pP 44 42.00 200kmX
sP 45 06.00
iS 48 22.00
sS 49 32.00
SS 49 52.00
ScP 50 39.00
ScS 54 29.00
ANN 26.64 299 eP 43 58.00 -3.1X
1.9s 720.00nm 6.1mb
e 44 40.00 212kmX
ePPP 45 01.00
iS 48 24.00
eSSS 49 36.00
GAZ 26.84 282 iP 44 04.70 1.7
ZAK 27.15 49 iPc 44 06.00 0.3
1.5s 275.00nm 5.8mb
e 44 47.80 209kmX
eS 48 31.00
KVT 27.39 290 iP 44 19.00 11.0X
CD2 27.88 92 iPd 44 13.40 0.8
1.0s 410.00nm 6.1mb
pP 44 50.00 179kmX
iS 45 16.00
iS 48 42.30
iSS 50 20.80
iPcS 51 05.00
IRK 28.39 45 iPc 44 16.50 -0.4
1.5s 257.00nm 5.7mb
Z 13s 1.66um 4.8MsZx
N 12s 1.25um
E 12s 1.75um
e 44 59.00 211kmX
e 45 12.00
e 47 22.00
eS 48 46.00
BHL 28.76 275 P 44 20.00 -0.4
S 49 00.00
SIM 28.90 299 eP 44 22.00 0.6
pP 45 00.00 186kmX
e 45 24.00
eS 48 58.00
eS 50 12.00
e 50 44.00
KAS 29.10 291 eP 44 24.40 1.1
KMI 29.53 103 Pd 44 28.00 0.6
1.5s 390.00nm 5.9mb
Z 12s 3.40um 5.2MsZx
E 10s 4.10um
pP 45 11.00 213kmX
PP 45 32.00
iS 49 08.00
sS 50 23.00
MOS 29.62 321 iPc 44 28.00 0.4
1.6s 1860.00nm 6.6mb
epP 45 08.00 196kmX
eS 49 06.00
eSS 50 56.00
OBN 29.87 320 iPc+ 44 30.00 0.1
1.0s 2060.00nm 6.8mb
Z 14s 3.10um 5.1MsZx
N 14s 1.70um
E 12s 1.70um
ipP 45 15.00 223kmX

			iS	49	12.00				Z	17s	2.80um	5.1MsZx	SKO	38.23	294	iPc	45	42.00	0.6					
			iSS	50	24.00				N	17s	1.00um			1.5s	300.00nm			5.7mb						
ANTO	29.95	288	iPc	44	42.58	11.8X			E	17s	1.90um		QIZ	38.34	106	P	45	42.60	0.0					
CHTO	30.32	118	ePc	44	25.30	-8.9X					epP	45	54.00	194kmX			1.2s	150.00nm	5.5mb					
	1.2s	208.33nm				5.7mb					iS	50	30.00				N	12s	1.07um					
		eS	49	17.00							eSS	51	48.00				E	12s	1.08um					
CSS	30.35	279	ePc	44	34.30	-0.1			EZN	34.89	289	iP	45	13.60	0.2		OHR	38.84	293	iP	45	45.00	-1.6	
BTO	30.78	70	iPd	44	39.00	0.8			ALN	34.95	291	eP	45	14.82	0.9		GZH	38.94	98	iPd	45	49.80	2.4	
	1.2s	340.00nm				6.0mb			DIM	35.19	293	iP	45	17.00	1.1			1.0s	510.00nm				6.1mb	
E	10s	2.27um							PVL	35.23	295	iP	45	17.00	0.8		Z	16s	2.38um				5.1MsZx	
		pP	45	21.00	205kmX				MTUR	35.31	299	iPc	45	19.50	2.5		N	10s	1.43um					
		S	49	27.00					CMP	35.33	299	iPc	45	20.00	2.9X				pP	46	30.00	188kmX		
XAN	31.09	83	iPc	44	40.70	-0.1			ARO	35.36	233	eP+	45	20.50	2.9X				sP	46	54.50			
	1.0s	420.00nm				6.1mb			BJI	35.52	70	eP	45	19.50	0.8				iS	51	33.00			
Z	15s	2.46um				5.0MsZx				1.0s	140.00nm	5.6mb	LSK	39.17	291	iPc	45	47.00	-2.3					
E	10s	1.08um							Z	14s	2.94um	5.2MsZx	BUD	39.39	303	iPd	45	51.70	0.8					
		pP	45	24.00	212kmX				N	10s	1.50um		IGT	39.49	290	eP	45	51.46	-0.4					
		sP	45	43.00							epP	46	00.00	188kmX		TIR	39.50	293	eP	45	51.00	-0.8		
		S	49	33.00							PcP	47	44.00		NJ2	39.64	82	Pc	45	54.00	0.9			
		sS	50	40.00							eS	50	44.00			1.1s	370.00nm						5.9mb	
PPCY	31.16	279	eP	44	41.50	0.2					eScP	51	08.50					PcP	47	56.00				
GPA	31.80	289	iP	44	47.00	0.1			PLD	35.80	294	iP	45	21.00	0.0				ScP	51	23.00			
EYL	31.88	290	eP	44	48.00	0.2			DRA	35.91	298	iPc	45	23.00	1.1		SRN	39.67	291	iPc	45	52.20	-1.0	
HHC	31.93	69	Pc	44	49.00	0.8			LVV	36.08	307	iP+	45	24.00	0.7		UZD	39.75	302	iPd	45	54.80	0.9	
	1.4s	450.00nm				5.9mb			Z	16s	4.00um	5.3MsZx	SDF	39.84	335	iP	45	54.90	0.6					
Z	16s	2.61um				5.0MsZx			N	13s	1.80um		SNG	39.84	130	iPd	45	57.20	2.3					
		PP																						

SSE	41.83	82 iPc	46 12.00	0.9			iScP	51 37.70		WATA	44.44	303 iPc	46 25.00	-7.1X
	1.0s	320.00nm		5.8mb			eS	52 34.00				i	51 43.40	
Z	20s	1.80um		4.9MsZ		TRI	eP	46 22.00	0.2	MNS	44.56	296 P	46 32.97	0.0
N	14s	1.80um					e	47 24.00	303kmX		0.8s	1719.20nm		6.6mb
E	14s	1.50um					e	48 04.40		MDJ	44.57	60 eP	46 32.50	-0.5
			iScP	51 31.00			e	51 38.10			1.6s	210.00nm		5.4mb
			S	52 10.00			e	53 32.00			pP	47 13.00	185kmX	
BSD	41.95	315 iPc	46 11.00	-0.8	GMB	43.20	290 P	46 22.70	0.4	CTI	44.59	302 P	46 33.29	0.1
	1.0s	726.00nm		6.2mb		1.1s	234.80nm		5.6mb		1.5s	990.90nm		6.1mb
		i	46 51.00	184kmX	RBL	43.21	302 P	46 22.72	0.5	GIB	44.65	290 P	46 33.13	-0.6
IPM	42.13	132 ePd	46 15.00	1.4		1.5s	734.50nm		6.0mb		0.9s	269.70nm		5.7mb
		e	46 57.10	195kmX	TRO	43.27	336 iPc	46 22.73	0.5	RMP	44.67	295 P	46 33.90	0.1
		e	51 34.40		KBA	43.28	303 iPc	46 23.20	0.3		0.7s	288.60nm		5.9mb
VBY	42.17	300 iPc	46 14.50	0.8		0.9s	155.00nm		5.5mb	RDP	44.67	295 P	46 34.06	0.2
		i	46 24.80				i	47 09.60	217kmX		1.1s	643.30nm		6.0mb
		epP	46 58.50	205kmX			i	48 12.80		SQTA	44.70	303 iPc	46 33.50	-0.7
		ePP	47 58.50				i	51 38.50			1.3s	206.00nm		5.4mb
		iScP	51 35.10		WET	43.36	306 iPc	46 23.80	0.5		i	51 44.70		
PRU	42.21	307 iPc	46 14.60	0.6		2.0s	750.00nm		5.9mb	MOTA	44.76	303 iPc	46 33.90	-0.7
	1.7s	818.00nm		6.0mb	COP	43.39	315 iPc+	46 24.20	0.9		0.9s	236.00nm		5.7mb
		ipP	46 55.80	190kmX		0.8s	1164.18nm		6.5mb	SFI	44.83	299 P	46 36.40	1.4
		sP	47 18.30				i	47 24.00	290kmX		0.8s	285.70nm		5.8mb
		iPP	47 55.60		DUI	43.42	295 P	46 24.84	0.9	OGA	44.88	303 iPc	46 35.50	-0.2
		i	48 30.00			1.2s	238.40nm		5.6mb	PGD	44.93	299 P	46 38.20	2.1
		i	48 58.20		ATN	43.51	290 P	46 24.52	-0.1	KONO	45.05	321 iPc	46 35.90	-0.6
		S	52 15.30			1.2s	190.70nm		5.5mb		1.3s	1495.81nm		6.3mb
		sS	53 31.70		BHG	43.51	304 iPc	46 25.00	0.4	MCT	45.05	289 P	46 38.34	1.3
QZH	42.27	92 P	46 15.00	0.3		1.6s	1005.00nm		6.1mb	USI	45.09	291 P	46 37.15	0.0
	0.9s	54.00nm		5.1mb	FVI	43.73	302 P	46 26.45	0.2		0.8s	255.20nm		5.7mb
		pP	46 56.00	189kmX		1.6s	409.30nm		5.7mb	MUD	45.22	317 iPc	46 39.60	1.7
		sP	47 16.00		RFI	43.84	294 P	46 27.80	0.6		1.3s	1184.00nm		6.2mb
		S	52 19.00			1.8s	1637.10nm		6.3mb	SAL	45.44	301 P	46 40.56	0.8
		SS	55 35.00		SDI	43.88	295 P	46 27.62	0.0		1.4s	2972.70nm		6.5mb
ORI	42.30	292 P	46 15.56	0.8		1.4s	226.00nm		5.5mb	OSS	45.51	303 iP+	46 40.40	-0.2
BRG	42.55	308 iPc	46 17.40	0.7	HOF	43.90	308 iPc	46 28.50	0.9	KGM	45.54	131 ePd	46 42.10	1.2
	1.5s	620.00nm		5.9mb		1.6s	613.00nm		5.9mb		0.8s	504.30nm		6.0mb
		i	46 27.50	34kmX	MOX	44.04	308 iPc+	46 29.60	0.9		e	46 50.00	26kmX	
		i	47 22.40			1.9s	1198.00nm		6.1mb		e	53 05.00		
		i	51 35.80				e	47 36.00	327kmX	CVT	45.67	290 P	46 41.79	0.1
LJU	42.60	301 ePc	46 18.10	0.9			eS	51 42.00			0.7s	446.40nm		6.0mb
GRI	42.61	290 P	46 17.78	0.4			e	52 52.00		BDI	45.69	299 P	46 41.95	0.0
	0.8s	276.80nm		5.9mb	YAK	44.13	35 iPc	46 28.50	-0.7		0.5s	24.50nm		4.9mb X
KMR	42.64	304 iP+	46 18.10	0.7		1.5s	1130.00nm		6.2mb	PII	45.81	299 P	46 42.36	-0.4
		ipP	46 59.30	190kmX			ipP	47 11.00	196kmX		0.8s	125.60nm		5.4mb
		isP	47 24.20				i	48 06.00		TIK	45.89	22 iPc+	46 43.00	0.0
		iPP	48 02.00				iPPP	49 07.00		Z	16s	1.80um		5.1MsZ X
		ipPP	48 40.00				iS	52 43.00				ipP	47 30.00	218kmX
		i	51 36.20				iSS	54 02.00				i	47 47.00	
		e	55 44.00				i	55 59.00				e	48 30.00	
AEKI	42.65	137 iPd	46 25.80	7.9X			iSSS	57 10.00				iS	53 12.00	
		e	46 40.00	54kmX	ARV	44.14	298 P	46 30.34	0.7			iSS	54 30.00	
CEY	42.72	301 eP	46 18.50	0.4		0.9s	722.30nm		6.2mb	VDL	46.00	303 iP+	46 44.30	-0.2
RIY	42.80	300 iPc	46 18.80	0.0	MNO	44.16	290 P	46 30.88	0.8	TNS	46.10	308 iPc	46 45.20	0.2
GEC2	42.85	305 e(P)	46 19.90	0.6		1.5s	424.00nm		5.7mb			ePcPc	48 16.30	
	0.7s	33.50nm		5.0mb	NRA0	44.16	323 iPc	46 29.20	-0.3			ePPd	48 35.60	
BRNL	42.85	311 ePc	46 20.00	0.9			ipP	47 14.20	209kmX	LLS	46.25	303 iP+	46 45.90	-0.6
		e	47 23.70	313kmX			iPP	48 14.60		BOB	46.35	300 P	46 48.09	1.0
		e	48 03.00		NRE0	44.16	323 iPc	46 32.10	2.6		1.9s	1698.00nm		6.2mb
		e	49 03.00				ipP	47 41.20	342kmX	SLE	46.43	304 iP+	46 47.30	-0.4
KHC	42.90	306 iPc	46 20.50	0.9			iPP	48 23.70		TMA	46.48	302 iP+	46 47.50	-0.8
	1.4s	212.50nm		5.5mb			iS	52 51.40		VLA	46.51	62 iPd	46 46.00	-2.3
Z	22s	3.00um		5.1MsZ			iScS	56 27.50			1.0s	261.00nm		5.6mb
N	22s	2.00um			MEU	44.21	288 P	46 31.36	1.0			i	47 28.00	192kmX
E	20s	2.70um				0.7s	75.10nm		5.3mb			i	56 14.00	
		e	46 29.00	28kmX	PZI	44.24	288 P	46 30.70	0.2	KOE	46.53	308 iPc	46 48.90	0.6
		e	46 37.00			0.8s	490.20nm		6.1mb		1.8s	2300.00nm		6.3mb
		e	48 02.80		NB2	44.35	323 P	46 30.30	-0.7	ZLA	46.55	304 iP+	46 48.10	-0.6
		e	49 06.00		GRF	44.38	307 iPc	46 33.00	1.6	ODD1	46.55	321 iPc	46 49.30	0.8
		e	49 31.90			1.7s	1526.00nm		6.2mb	HOFF	46.59	306 P	46 49.82	1.0
MGR	42.95	292 P	46 20.04	0.0			epP	47 16.00	198kmX	BLS5	46.64	321 iPc	46 49.69	0.5
	1.1s	575.80nm		6.0mb			esP	47 36.60		SREB	46.67	306 P	46 50.26	0.8
HFS	43.03	322 eP	46 20.50	0.1			ePP	48 20.10		LANF	46.69	306 P	46 50.51	0.8
	0.8s	1228.00nm		6.5mb			iScP	51 43.80		FEL	46.74	305 P	46 49.82	-0.4
Z	17s	1.93um		5.1MsZ X			eS	52 57.00		STR	46.78	306 P	46 50.77	0.4
		LR	04 04.00				esS	54 07.00		BNS	46.80	309 iPc	46 50.70	0.2
SGO	43.03	293 P	46 21.68	1.0			esS	56 21.00			1.6s	560.00nm		5.8mb
	0.8s	165.20nm		5.6mb	RSM	44.40	298 P	46 32.68	1.1	BGG	46.81	308 iPc	46 51.34	0.8
VOY	43.04	301 iPc	46 21.30	0.4		2.1s	2262.40nm		6.3mb		1.8s	670.00nm		5.8mb
		e	48 05.20	588kmX	WTTA	44.41	303 iPc	46 31.50	-0.4	LIBD	46.96	305 P	46 51.70	-0.1
		e	51 35.30			1.0s	312.00nm		5.8mb	PCP	47.03	300 P	46 51.43	-1.0
SOI	43.08	289 P	46 21.36	0.2			i	47 17.00	211kmX	WLS	47.08	306 P	46 52.47	-0.3
	1.9s	727.60nm		5.9mb			i	48 19.10		MMK	47.11	302 iP+	46 52.40	-0.9
CLL	43.12	309 iPc	46 21.40	0.1			i	51 43.40		CDF	47.13	306 iPc	46 53.10	-0.1
	1.7s	770.00nm		6.0mb	ASS	44.43	297 P	46 32.18	0.2		0.9s	114.00nm		5.3mb
		sP	47 24.00			0.8s	126.10nm		5.5mb	BBS	47.14	304 P	46 52.80	-0.5

04d 11h

PGF	47.17	297	iPc	46	53.00	-0.6	YONJ	50.01	72	P	47	12.80	-2.5	MAT	53.12	68	iPc	47	37.10	-1.4	
	0.8s	211.15nm			5.6mb		MENF	50.02	309	P	47	14.95	-0.2		1.1s	75.95nm	eS	54	38.00	5.3mb	
BER	47.20	322	iPc	46	52.86	-0.6	AVF	50.06	304	iPc	47	15.10	-0.4	EPF	53.15	300	iPc	47	37.30	-1.4	
CKI	47.24	300	P	46	52.90	-1.1		0.9s	298.75nm			5.8mb			1.6s	327.10nm			5.7mb		
	1.5s	320.50nm			5.6mb		PLDF	50.08	303	P	47	15.46	-0.3	HCG	53.18	312	iPc	47	38.00	-0.7	
ECH	47.24	305	P	46	53.66	-0.3	PGP	50.21	104	iPd	47	17.00	-0.1	MRRJ	53.20	61	eP	47	38.80	-0.1	
EGD	47.26	322	eP	46	53.57	-0.3	AGO	50.39	303	P	47	18.09	0.0	WME	53.31	314	iPc	47	38.80	-0.8	
KMY	47.26	320	iPc	46	54.01	0.1	HYF	50.42	305	iPc	47	18.30	0.0	WIM	53.34	315	iPc	47	39.50	-0.4	
MOF	47.32	305	P	46	54.59	-0.1	BGF	50.45	304	iPc	47	18.00	-0.6				e	48	23.80	197kmX	
FIN	47.34	300	P	46	53.49	-1.3		1.5s	365.60nm			5.7mb		NIIJ	53.46	67	eP	47	40.10	-0.9	
FOO	47.35	324	iPc	46	54.69	0.2	LBL	50.52	302	P	47	19.14	0.0	YRC	53.50	314	iPc	47	40.50	-0.5	
DIX	47.48	302	iP+	46	56.00	-0.2	PYM	50.55	303	P	47	19.14	-0.2	YRH	53.63	313	iPc	47	41.30	-0.7	
BSF	47.55	305	iPc	46	56.20	-0.3	MAF	50.73	304	iPc	47	20.50	-0.1	JAU	53.64	300	P	47	42.51	0.0	
	0.8s	266.50nm			5.8mb			1.6s	1004.95nm			6.1mb		TSM	53.71	115	ePc	47	43.50	0.4	
ROB	47.55	300	P	46	55.46	-1.0	TKSJ	50.90	73	P	47	22.00	0.0	ASAJ	53.75	58	eP	47	42.20	-0.8	
MEM	47.59	309	iPc	46	56.85	0.3	TCF	50.95	304	iPc	47	22.20	-0.1	EBR	53.76	298	iPc	47	41.00	-2.1	
ENN	47.62	309	iPc	46	57.00	0.2		1.6s	977.60nm			6.1mb		ESCF	53.77	301	P	47	42.16	-1.1	
	1.0s	130.00nm			5.3mb		GQP	51.15	102	ePd	47	24.00	-0.1	PULI	53.81	135	iPd	47	33.60	-10.4X	
		e		48	50.00	643kmX	KKM	51.32	115	ePd	47	20.00	-5.5X	EROQ	53.82	298	iPd	47	43.20	-0.4	
LOMF	47.62	304	P	46	56.55	-0.4	CAF	51.41	302	iPc	47	25.70	-0.1	ATE	53.86	301	P	47	43.42	-0.5	
IMI	47.63	299	P	46	57.19	0.1		1.6s	519.90nm			5.9mb		LHE	53.86	300	P	47	43.75	-0.2	
WLF	47.65	307	iPc	46	57.79	0.8	LSF	51.41	304	iPc	47	25.10	-0.7	PASI	53.87	135	iPd	47	33.20	-11.0X	
		id		46	59.90	7kmX		1.6s	547.25nm			5.9mb		EGRA	53.88	299	iPc	47	40.53	-3.4X	
RSP	47.78	301	P	46	55.78	-2.5	EDR	51.60	318	iPc	47	26.50	-0.6	YAMJ	53.89	66	eP	47	43.10	-1.0	
LSD	47.79	302	P	46	58.16	-0.3	ETER	51.61	299	iPc	47	27.50	0.2	CHJJ	53.89	69	P	47	42.70	-1.5	
EMS	47.81	302	iP+	46	58.50	-0.1	RJF	51.68	303	iPc	47	27.80	0.0	MADF	53.92	301	P	47	43.03	-1.3	
HAU	47.81	305	iPc	46	58.20	-0.2		1.7s	829.35nm			6.1mb		ISSF	53.94	301	P	47	44.29	-0.3	
	1.2s	403.45nm			5.8mb		Z	20s	0.77um			4.7msz		BOH	54.07	301	P	47	44.55	-1.0	
Z	21s	2.08um			5.1msz		TSRJ	51.81	70	eP	47	28.80	-0.1	ELIZ	54.41	301	iPc	47	47.56	-0.3	
SAOF	47.84	300	P	46	58.88	0.2	ESY	51.82	317	iPc	47	28.00	-0.7	MAP	54.48	105	iPc	47	50.00	1.3	
BHB	47.85	301	P	46	56.78	-1.9			e		48	10.80	191kmX	PACI	54.55	134	ePd	47	46.00	-3.2X	
ENR	47.88	300	P	46	58.38	-0.7	LDF	51.90	307	iPc	47	28.60	-0.8			e	48	15.00	122kmX		
AUTN	47.93	300	P	46	59.86	0.3		1.6s	773.65nm			6.1mb		ETA	54.60	313	iPc	47	48.40	-0.6	
DOI	47.94	300	P	46	57.84	-1.6	EDU	51.92	317	iPc	47	28.70	-0.7			e	49	50.00	670kmX		
	1.2s	227.70nm			5.5mb				e		48	08.70	177kmX	DLF	54.62	314	iPc	47	48.50	-0.7	
STV	47.95	300	P	46	58.43	-1.1	WKYJ	52.00	72	eP	47	30.00	-0.4		1.2s	561.00nm			6.1mb		
SBF	47.96	299	iPc	46	59.50	-0.1	LPO	52.07	302	iPc	47	30.50	-0.2	CME	54.67	310	eP	47	49.00	-0.6	
	1.1s	416.10nm			5.8mb			1.8s	526.55nm			5.9mb		KAKJ	54.72	68	P	47	48.70	-1.4	
VITF	48.01	305	P	46	59.78	-0.1	EBL	52.08	317	iPc	47	29.80	-0.8	PLP	54.76	103	ePc	47	49.30	-1.3	
AURF	48.03	300	P	47	00.35	0.2	FLN	52.09	307	iPc	47	29.80	-1.0	OFUJ	54.76	64	eP	47	50.10	-0.3	
REVF	48.04	299	P	47	00.09	-0.1		1.5s	693.65nm			6.1mb		HOOF	54.76	60	eP	47	49.70	-0.6	
PZZ	48.04	300	P	46	58.48	-1.8	Z	33s	1.63um			4.8mszX		DAG	54.78	344	iPd	47	50.30	0.2	
TOUF	48.05	300	P	47	00.83	0.3	EDI	52.13	317	iPc	47	30.30	-0.7		1.2s	1253.13nm			6.5mb		
LPG	48.06	302	iPc	47	00.60	0.0			e		48	12.80	189kmX	KALI	54.82	135	iPd	47	39.80	-11.4X	
	0.8s	363.20nm			5.9mb		EKA	52.23	316	Pc	47	30.80	-0.9	ECP	54.83	313	iPc	47	49.90	-0.8	
LPL	48.06	302	iPc	47	00.60	0.0		1.3s	773.10nm			6.2mb		ECB	55.02	313	iPc	47	51.40	-0.7	
	0.9s	245.05nm			5.7mb		EBH	52.25	317	iPc	47	31.10	-0.8	DCN	55.04	314	iPc	47	51.50	-0.7	
MVIF	48.15	300	P	47	01.44	0.3	ESK	52.26	316	iPc	47	31.20	-0.7		1.2s	595.00nm			6.2mb		
RRL	48.16	301	P	47	01.08	-0.3		0.8s	640.00nm			6.3mb		LEM	55.15	134	ePc	47	50.00	-3.6X	
BNI	48.21	301	P	47	01.28	-0.3			e		48	15.50	198kmX	SINI	55.23	134	ePc	47	51.00	-3.2X	
	1.3s	226.90nm			5.5mb		EAU	52.29	317	iPc	47	31.50	-0.7			e	48	06.00	56kmX		
BAG	48.24	101	eP	47	03.10	0.9	LFF	52.31	302	iPc	47	32.30	-0.1	ECHE	55.24	297	iPc	47	53.69	-0.2	
		eS		53	48.00			1.1s	263.75nm			5.8mb		ECRI	55.27	301	iPc	47	53.78	-0.4	
BCP	48.26	101	eP	47	04.80	2.4	ELO	52.32	317	iPc	47	31.30	-1.1	KUSJ	55.50	59	eP	47	53.40	-2.3	
CALN	48.37	299	P	47	02.78	-0.1	ESEL	52.38	296	iPc	47	32.90	-0.1	ETOR	55.58	298	eP	47	55.13	-1.3	
CVP	48.52	99	ePd	47	05.00	0.9	GRR	52.43	307	iPc	47	32.30	-0.9	CGP	56.18	106	eP	48	01.50	0.7	
DOU	48.57	308	Pc	47	04.70	0.6		1.5s	835.70nm			6.2mb		EALH	56.21	295	eP	48	00.17	-0.7	
		e		47	52.80	220kmX	MFF	52.44	305	iPc	47	32.40	-0.9	CTB	56.57	107	iPd	48	06.00	2.4	
SHNJ	48.57	74	P	47	04.70	0.4		1.6s	614.45nm			6.0mb		EVIA	56.70	296	eP	48	03.41	-1.0	
FRF	48.59	299	iPc	47	03.80	-0.6	JNE	52.52	336	iPc	47	34.71	1.1	KUR	56.91	55	iPc	48	04.00	-1.5	
	1.7s	702.85nm			5.8mb		JNW	52.56	336	iPc	47	35.05	1.2	Z	16s	1.70um			5.2mszX		
UCC	48.59	309	P+	47	04.00	-0.3	HAE	52.58	312	iPc	47	33.50	-0.8	N	16s	1.70um					
		e-		48	06.00	294kmX			e		48	14.40	181kmX	E	16s	1.70um					
KBS	48.65	347	iPc	47	05.30	0.9	LPF	52.64	307	iPc	47	33.70	-1.1			eS	55	40.00			
SNF	48.69	309	iPc	47	05.24	0.2		1.1s	101.60nm			5.4mb		AKU	57.01	330	iPc	48	07.50	1.5	
		id		52	01.57		JMI	52.66	336	eP	47	35.93	1.3		1.1s	506.33nm			6.2mb		
LMR	48.74	299	iPc	47	05.10	-0.4	EAB	52.72	317	iPc	47	34.40	-0.8	EHUE	57.08	295	iPc	48	06.28	-0.8	
	1.8s	429.85nm			5.6mb				e		48	14.50	177kmX	GUD	57.13	299	iPc	48	05.92	-1.4	
LRG	48.82	299	iPc	47	05.70	-0.4	PENI	52.72	135	iPc	47	33.80	-1.9	ENIJ	57.13	294	iPc	48	06.28	-1.0	
	1.8s	700.90nm			5.8mb				e		47	38.00	14kmX	VAL	57.18	313	iP	48	07.00	-0.4	
DOMF	49.03	308	P	47	07.73	0.1	MTMJ	52.80	68	eP	47	35.20	-1.1		1.0s	9.70nm			4.5mb X		
NAI	49.05	228	iPc	47	10.90	2.4	HGH	52.83	311	iPc	47	35.20	-0.9			S	57	07.00			
	1.0s	5292.00nm			7.0mb X		YSS	52.95	55	iPc+	47	36.80	-0.2	BIP	57.53	105	eP	48	08.00	-2.3	
	Z	20s	0.35um		4.4msz			1.0s	240.00nm			5.8mb		PAB	57.68	298	iPc	48	10.43	-0.8	
		e		47	15.90	17kmX	Z	15s	1.50um			5.2mszX			1.4s	868.10nm			6.3mb		

STS	59.31	303	eP	48 21.93	-0.4	INK	74.00	9	iPc	49 54.50	0.3	AUW	77.75	21	eP	50 13.96	-1.3	
EPRU	59.35	295	iPc	48 20.67	-2.0		0.5s	65.00nm		5.6mb		AUH	77.76	21	eP	50 15.58	0.1	
LIJA	59.51	295	iP	48 22.00	-1.8	TTA	74.14	20	iPc	49 55.15	-0.1	AGU	77.77	21	eP	50 15.69	0.1	
EZAM	59.70	302	eP	48 24.09	-0.9		1.4s	408.68nm		6.0mb		AUP	77.77	21	eP	50 15.57	0.0	
EJIF	59.74	295	iPc	48 23.37	-1.9	ADK	74.18	37	eP	49 52.86	-2.6	CFI	77.78	18	ePc	50 15.54	0.1	
TJK	59.79	292	iP	48 21.50	-4.1X		1.2s	78.60nm		5.3mb		AUE	77.79	21	eP	50 15.39	-0.1	
GIBL	59.93	296	iP	48 25.00	-1.6	MDM	74.43	16	eP	49 57.67	0.9	MRWA	77.89	141	eP	50 15.30	-1.1	
OJEN	59.94	295	iP	48 27.00	0.3	KSR	74.52	220	iPc	49 57.00	-0.9		0.4s	13.00nm		5.0mb		
MOMI	59.98	295	iP	48 25.00	-1.9		1.0s	730.00nm		6.4mb		PWL	77.91	18	ePc	50 16.03	-0.2	
PLAT	60.09	295	iP	48 26.50	-1.2	NEA	74.56	17	iPc	49 57.49	0.0	KLU	77.96	17	iPc	50 17.10	0.6	
CPS	60.10	294	iP	48 25.00	-2.7	COL	74.58	16	iPc	49 57.65	0.1	MPA	77.96	19	eP	50 16.23	-0.2	
RANB	60.15	295	eP	48 26.50	-1.5		1.6s	1945.51nm		6.6mb		HOM	78.04	21	eP	50 16.16	-0.7	
TANI	60.16	120	ePc	48 26.60	-1.8					ipPd	50 44.98	197kmX	CDD	78.06	22	ePc	50 15.75	-1.3
			e	49 25.00	260kmX	FBA	74.58	16	iPc	49 57.45	-0.1	BRLK	78.16	20	eP	50 16.71	-0.9	
EVAL	60.19	297	eP	48 26.97	-1.4					epP	50 44.82	198kmX	VLZ	78.17	17	iPc	50 17.78	0.2
BIT	60.27	294	iP	48 26.00	-2.8	GLM	74.59	16	iPc	49 57.86	0.1	VLZ	78.17	17	eP	50 17.90	0.3	
SFS	60.27	295	iP	48 25.00	-3.9X	KIC	74.63	267	eP	49 57.71	-1.0	VZW	78.18	18	ePc	50 17.86	0.1	
SRDI	60.41	129	iPc	48 26.40	-3.7X		1.2s	495.00nm		6.1mb		CNPM	78.26	20	ePc	50 17.19	-1.0	
			e	48 35.00	28kmX	TIC	74.69	267	Pc	49 57.95	-1.1	SEW	78.27	19	ePc	50 17.80	-0.3	
							1.0s	302.50nm		6.0mb		FID	78.47	18	iPc	50 19.64	0.4	
TGT	60.45	292	iP	48 25.50	-4.6X	CCB	74.79	16	iPc	49 58.29	-0.5	FRS	78.48	219	iPc	50 20.60	1.0	
ZER	60.47	292	iP	48 28.00	-2.2	BWN	74.81	17	ePc	49 59.06	0.1		0.7s	316.00nm		6.2mb		
TSY	60.56	294	iP	48 24.00	-6.9X	LIC	74.94	267	Pc	49 59.35	-1.1	GLB	78.49	16	ePc	50 19.47	0.1	
RSA	60.67	293	iP	48 27.00	-4.6X		1.1s	316.00nm		6.0mb		SDN	78.62	27	eP	50 18.43	-1.7	
PET	60.69	44	eP	48 29.00	-2.5		Z	20s	6.00um		5.9Msz		0.8s	189.73nm		5.9mb		
	1.1s	130.00nm			5.6mb								Z	20s	1.59um		5.3Msz	
	Z	20s			4.9Msz	KTH	74.98	18	ePc	49 59.82	-0.2							
			e	49 12.00	185kmX	MTN	75.00	119	iPc	49 59.80	-0.8	SYI	78.69	21	eP	50 19.76	-0.7	
			e	50 48.00			0.4s	69.00nm		5.7mb		LTi	78.74	19	iPc	50 20.71	0.0	
			eS	56 28.00		HDA	75.19	16	iPc	49 59.87	-1.2	HIN	78.77	18	ePc	50 21.33	0.4	
			e	57 50.00		TRF	75.22	18	ePc	50 00.74	-0.8	CVA	78.83	17	iPc	50 21.86	0.7	
ZFT	60.82	290	iP	48 28.50	-4.2X	MCK	75.31	17	eP	50 00.96	-0.9	MTU	78.84	19	eP	50 21.68	0.4	
BUNI	60.98	120	iPc	48 32.40	-1.6	KNA	75.37	122	iPc	50 02.60	-0.1	SGAM	79.00	17	iPc	50 22.84	0.7	
			e	49 27.00	240kmX	YOMI	75.42	104	iPc	50 02.80	-0.3	BALM	79.18	16	iPc	50 23.74	0.5	
KEDI	61.30	127	iPd	48 35.60	-0.5					e	51 40.00	440kmX	RAGM	79.22	17	iPc	50 24.39	1.0
			e	49 29.00	234kmX	RND	75.61	17	ePc	50 02.56	-1.0	CRQM	79.25	16	iPc	50 24.20	0.5	
TNF	61.33	291	iP	48 32.50	-3.6X	SVW	75.71	21	iPc	50 04.62	0.5	TGL	79.32	16	iPc	50 24.49	0.5	
MKS	61.50	122	iPd	48 36.20	-1.2		1.1s	415.45nm		6.1mb		HMT	79.36	17	iPc	50 24.83	0.7	
RTC	61.82	293	iP	48 35.50	-3.8X	HUR	75.78	18	ePc	50 03.67	-0.8	BAL	79.37	141	eP	50 23.40	-1.0	
SONG	62.99	222	eP	48 47.90	0.6	CUT	76.11	18	iPc	50 05.68	-0.5	KDC	79.38	22	iPc	50 24.10	0.0	
TNE	63.06	111	eP	48 50.00	2.3	SKT	76.14	19	ePc	50 05.54	-0.9		1.0s	472.47nm		6.2mb		
ILT	63.87	23	iPc	48 52.00	-0.3	SEK	76.15	218	iPc	50 07.50	0.4			epP	51 11.39	194kmX		
	1.0s	846.00nm			6.5mb	DHY	76.24	17	iPc	50 06.49	-0.7	CTGM	79.46	15	ePc	50 25.46	0.7	
	Z	16s	1.10um		5.1MszX	SWZ	76.41	221	iPd	50 09.20	0.7	WAX	79.59	16	ePc	50 26.22	0.9	
	N	16s	0.50um				1.0s	560.00nm		6.2mb		MID	79.66	18	ePc	50 26.88	1.3	
	E	16s	0.70um			NCG	76.45	20	ePc	50 07.78	-0.5	KAIM	79.69	17	iPc	50 26.93	1.1	
			ipP	49 36.50	190kmX	BGL	76.50	20	ePc	50 08.41	-0.1	SNH	79.83	16	iPc	50 28.02	1.4	
			i	50 00.00		CP2	76.54	20	iPc	50 08.17	-0.7	MBO	79.84	280	iP	50 17.50	-9.8X	
			iS	57 12.00						epP	50 55.75	197kmX	YAH	79.91	16	iPc	50 28.30	1.0
OUK	63.87	291	iP	48 48.50	-4.3X	CRP	76.56	20	iPc	50 07.74	-1.2	CYK	80.00	16	ePc	50 28.99	1.6	
CIA	64.38	291	iP	48 52.00	-4.1X	CKN	76.59	20	eP	50 09.18	0.2	MUN	80.23	142	eP	50 28.00	-1.0	
MTD	64.61	222	iPd	48 42.90	-14.8X	CKT	76.60	20	eP	50 08.45	-0.7	KLB	80.70	141	eP	50 30.00	-1.4	
			iPp	49 27.90	192kmX	SPU	76.66	20	ePc	50 08.65	-0.7	GRM	80.75	216	iPc	50 33.50	1.8	
			iPP	50 54.50		BKG	76.69	20	iPc	50 09.05	-0.6		1.0s	660.00nm		6.3mb		
			iS	57 09.40		PAX	76.77	16	iPc	50 09.88	-0.1	POF	81.04	223	iPc	50 35.00	1.8	
JHA	64.80	292	iP	48 55.00	-3.7X	SUA	76.77	19	ePc	50 09.62	-0.5		1.0s	480.00nm		6.2mb		
LSZ	65.30	226	iP	49 02.80	0.6	PWA	76.84	19	iPc	50 10.08	-0.2	YKU	81.08	15	e(P)	50 34.70	1.7	
			i	54 02.50		NCT	76.93	21	eP	50 10.38	-0.5	YKA	81.32	3	eP	50 34.60	0.4	
YBT	65.75	290	iP	49 04.50	-0.4	DFR	76.97	20	ePc	50 10.10	-1.0		1.2s	404.70nm		6.0mb		
BRW	67.41	15	ePc	49 15.20	0.4	GHO	76.98	18	iPc	50 11.20	0.0	NWAO	81.50	142	eP	50 35.00	-0.6	
MBC	67.42	3	iPc	49 16.10	1.4	TMW	76.99	15	ePc	50 11.81	0.7		0.4s	10.00nm		4.9mb X		
	0.6s	2443.00nm			7.1mb X	RDW	77.03	21	eP	50 11.14	-0.4	COOL	81.92	138	eP	50 37.20	-0.6	
			pP	50 02.10	195kmX	RS2	77.06	21	ePc	50 11.05	-0.7		0.6s	46.00nm		5.4mb		
			S	57 56.90		RSO	77.06	21	ePc	50 11.10	-0.7	BEW	81.97	220	iPd	50 39.80	1.7	
			SKS	58 50.70		RDT	77.06	20	ePc	50 10.70	-0.9		0.9s	583.00nm		6.3mb		
			PKKP	09 52.10		PLRM	77.08	18	ePc	50 11.38	-0.2	WB5	82.06	122	iPc	50 38.20	-0.6	
BUL	68.96	223	iPd	49 25.40	0.3	PMR	77.08	18	iPc	50 11.05	-0.5			iS	00 31.00			
			i	58 14.00			0.8s	235.93nm		6.0mb				P'P'	17 10.00			
GUMO	69.30	88	eP	49 27.41	0.2	Z	21s	0.61um		4.9Msz		WRA	82.08	122	P	50 38.50	-0.4	
	1.2s	238.89nm			5.8mb	KDS	77.09	276	iPc	50 10.50	-1.9	WB2	82.09	122	iPd	50 38.20	-0.7	
PJG	69.30	88	eP	49 27.80	0.6	RED	77.09	21	ePc	50 11.12	-0.7		0.3s	386.60nm		6.6mb		
GUA	69.37	88	eP	49 27.00	-0.6	SML	77.10	18	iPc	50 11.69	-0.1			eS	01 19.10			
	1.3s	184.62nm			5.7mb	SDG	77.14	16	iPc	50 12.43	0.5			ePKKP	09 06.90			
ANM	70.16	22	iPd	49 32.21	0.5	PDB	77.19	22	ePc	50 12.83	0.6			iP'P'	17 10.50			
			epP	50 18.72	196kmX	MEEK	77.22	137	eP	50 12.80	0.0			e	20 14.80			
TLE	71.34	112	ePc	49 40.40	0.9	NKA	77.25	20	eP	50 13.44	1.0	RKG	82.72	143	eP	50 41.50	-0.3	
SLKI	71.82	115	iPc	49 42.50	0.2	PMS	77.27	19	ePc	50 12.46	-0.3		0.6s	39.00nm		5.3mb		
IMA	72.24	17	iPc	49 43.65	-0.6	INW	77.27	21	eP	50 12.49	-0.4	SIT	84.29	14	iPc	50 50.16	0.7	
			epP	50 30.47	196kmX	INE	77.30	21	ePc	50 12.52	-0.5		1.1s	123.90nm		5.6mb		
NANU	72.29	137	eP	49 45.00	0.2	ILIM	77.31	21	ePc	50 12.48	-0.5	Z	20s	1.23um		5.3Msz		
	0.4s	21.00nm			5.2mb	SCM	77.32	17	ePc	50 13.12	0.1			epP	51 39.55	202kmX		
BFT	72.77	218	iPc	49 48.70	0.9	TOA	77.36	17	iPc	50 14.20	0.9	ASPA	84.34	125	iPc	50 49.80	-0.4	
	1.3s</																	

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BLE	1.4s	940.00nm	6.3mb	ASR	97.04	9 Pc	51 50.58	0.9	MIAR	107.91	346 ePKP	56 40.23	-4.3X
	85.23	221 iPd	50 57.00	2.6	DLA	97.17	340 P	51 50.00	-0.2	Z	20s	0.60um	5.2Msz
	1.5s	290.00nm	5.8mb		KMOR	97.30	10 Pc	51 51.60	0.8			ePP	56 58.50
PAF	85.41	180 eP	51 12.00	17.2X	LNOR	97.67	6 Pc	51 52.73	0.3			SDIF	04 09.21
		eS	01 18.00		VGB	97.76	8 iPc	51 53.78	0.9	GSC	108.28	7 ePdiff52	42.06 2.2X
FORT	85.73	133 eP	50 56.00	-1.0	JBO	97.92	8 Pc	51 54.50	0.9	GSC	108.28	7 ePKP	56 45.57 0.2
	0.6s	121.00nm	5.9mb		LRM	98.07	2 iPc	51 55.00	0.5			ePP	57 07.17
QIS	86.16	119 iPc	50 58.50	-0.8	VBEM	98.12	9 Pc	51 55.38	0.8	UYO	108.44	347 iPd52	40.90 0.5
		i	51 49.30	207kmX	SSOR	98.21	9 Pc	51 55.01	0.0	MEO	108.47	351 iPd52	41.30 0.7
LMN	88.86	331 ePd	51 12.80	0.8	CROR	98.27	8 Pc	51 56.06	0.9	ALQ	108.95	358 ePd52	43.76 0.8
CBM	89.21	333 eP	51 14.35	0.8	VIPM	98.78	8 Pc	51 58.42	0.7			e	55 55.49
	0.8s	82.54nm	5.7mb		RNO	98.95	11 P	51 59.36	1.0	ALQ	108.95	358 PKP	56 45.15 -1.7
Z	21s	0.68um	5.0Msz		RSSD	99.69	356 ePc	52 02.04	0.1	Z	19s	0.19um	4.7Msz
		epP	52 04.17	201kmX		0.9s	52.13nm	6.0mb				ePP	57 13.27
CTA	90.65	115 iPc	51 20.00	-0.5		Z	19s	0.67um	5.2Msz			SKSdf	03 59.26
	0.5s	158.45nm	6.3mb				epP	52 51.41	199kmX			SP	06 40.62
		iPcP	51 29.00		HHAI	100.60	2 ePdiff52	07.09 1.5		MGG	111.06	310 ePdiff52	58.00 5.6X
		ipP	51 32.50	41kmX	CVL	100.69	336 ePdiff52	06.19 0.2		PAG	111.20	310 ePdiff53	00.00 6.9X
		i(sP)	51 41.00		ARMA	100.76	120 ePdiff52	07.80 1.2		TUC	111.60	1 ePKP	56 52.03 0.3
		i	52 08.00			0.6s	8.00nm	5.4mb		Z	20s	0.82um	5.3Msz
		i	57 55.00		TOO	100.93	129 ePdiff52	07.00 -0.1				e	58 15.25
		e	59 34.00		BW06	101.17	0 iPd52	08.66 0.3				eSDIF	05 18.67
		eS	01 29.00			1.8s	128.62nm	6.2mb		SOB1	112.86	275 ePKP	56 54.00 -0.6
		eS	01 55.00		LBFM	101.73	10 ePdiff52	11.22 0.4		LTX	114.38	355 ePKPc	56 55.31 -1.9
		i	05 30.00		FHC	101.95	11 ePdiff52	10.43 -1.1				SKS	07 31.15
		e	06 55.00		LGPM	102.02	11 ePdiff52	12.85 0.9		NVL	114.84	198 iPKPc	56 56.00 -0.7
CTAO	90.65	115 iPc	51 20.19	-0.3	HVU	102.10	3 iPd52	13.52 1.2				58.00nm	
	0.9s	203.91nm	6.1mb		WDC	102.39	10 Pd52	20.00 6.5X				e	58 07.00
		epP	52 09.16	197kmX	Z	20s	0.39um	4.9Msz				ePP	01 10.00
EMM	90.83	332 eP	51 21.31	0.3	DAU	103.51	2 ePdiff52	20.54 1.7				ePPP	03 25.00
BNH	92.34	334 ePc	51 28.78	0.7			e	56 29.87				eSKS	07 40.00
LBNH	92.88	334 eP	51 31.31	0.7	ORV	103.54	10 ePdiff52	18.63 0.0				eS	08 30.00
	1.9s	448.87nm	6.3mb		DUG	103.68	3 iPd52	20.47 1.1				ePS	10 20.00
Z	19s	0.71um	5.1Msz			2.2s	111.57nm	6.3mb		SNA	118.49	202 iPKPc	57 03.40 -0.2
RSNY	93.50	336 iPd	51 33.93	0.5	Z	21s	0.79um	5.2Msz				150.00nm	
	1.8s	259.43nm	6.1mb				e	56 23.83				i	07 21.30
Z	21s	0.54um	5.0Msz		MAW	103.89	183 ePdiff52	20.70 1.3		TOV	120.96	313 ePKP	57 09.80 -0.3
		epP	52 23.51	200kmX		1.3s	4.00nm	5.2mb		THZ	121.25	121 ePKP	57 07.90 -2.0
HRV	94.26	333 P	51 33.16	-3.8X			epPd	53 11.40		SDV	122.17	313 iPKP	57 10.50 -2.1X
Z	18s	0.56um	5.1Msz				ePP	56 41.50		BAO	122.19	274 ePKP	57 11.80 -0.6
		S	03 20.32				iSKS	02 38.00				i	58 46.90
STW	94.81	10 Pc	51 41.05	1.6			e	02 58.50				i	00 27.00
STK	94.87	126 eP	51 38.10	-1.6			eSDIF	03 48.80		MRW	122.29	120 ePKP	57 09.90 -1.9
	0.6s	11.00nm	5.3mb				eSP	05 26.30		CAW	122.50	120 ePKP	57 10.60 -1.6
		eS	01 51.40				e	06 57.40		MTW	122.82	120 PKP	57 11.50 -1.3
WLVO	95.28	338 P	51 41.50	-0.1			iPKKP	08 09.70		URZ	122.87	116 ePKP	57 10.20 -2.7X
NEW	95.39	5 iPc	51 42.70	0.6			iPKKP	08 29.70		MRX	123.66	351 (PKP)	57 15.50 0.5
	1.1s	215.72nm	6.3mb				eSS	10 57.80		PPM	123.91	348 (PKP)	57 16.00 -0.2
Z	20s	2.92um	5.8Msz		FVM	103.95	345 ePdiff52	20.54 0.1		CACB	124.34	267 iPKPd	57 16.90 0.4
		epP	52 32.95	203kmX		1.1s	27.47nm	6.1mb				e	58 02.60
		ePP	55 28.45		CCM	104.05	345 ePdiff52	21.18 0.3		VAO	125.17	266 ePKP	57 18.20 0.2
GMW	95.52	9 iPc	51 43.64	0.9		2.1s	88.00nm	6.3mb				e	57 19.00
LSCT	95.59	334 P+	51 43.66	0.6	GLD	104.11	357 ePdiff52	22.32 1.0				e(pPKP)	58 15.00
Z	20s	1.13um	5.3Msz			1.5s	31.21nm	6.0mb				e(PP)	59 05.00
		PP	55 39.18		Z	20s	1.88um	5.6Msz		SPA	126.24	180 iPKPc	57 17.60 -1.3
DFW	95.69	6 iPc	51 43.89	0.4	GOL	104.16	357 ePdiff52	21.69 0.0				91.00nm	
WTV	95.70	7 Pc	51 43.64	0.1		2.2s	91.02nm	6.3mb				i	58 10.80
RMW	95.73	9 iPc	51 44.23	0.5	Z	21s	1.83um	5.6Msz				e	10 25.40
SAW	95.75	7 Pc	51 44.18	0.4	LHS	104.66	336 ePdiff52	24.23 0.6		PPD	128.20	269 ePKP	57 23.70 -0.1
ONR	96.04	10 P	51 46.63	1.6	SRU	104.82	1 ePdiff52	25.42 0.9		SIV	132.82	283 PKP	57 22.20 -10.5X
ACTO	96.05	339 P	51 45.48	0.3	JSC	104.99	336 ePdiff52	25.65 0.5		CCH	137.59	285 PKP	57 40.00 -2.1X
BINY	96.07	336 eP	51 45.33	0.0	MYNC	105.13	339 (PKP)	56 34.10 -5.3X		LPAP	138.49	288 PKP	57 29.80 -14.4X
Z	20s	1.06um	5.3Msz		CMB	105.19	9 ePdiff52	26.74 0.7				i	57 33.40
STCO	96.16	338 P	51 45.80	0.2		1.1s	6.46nm	5.6mb				i	57 43.20
FMW	96.26	9 Pc	51 46.76	0.5	PV08	105.37	360 ePdiff52	28.14 1.0		LPB	138.61	288 PKP	57 36.00 -8.1X
EBG	96.41	8 Pc	51 47.12	0.3		105.37	360 ePKP	56 34.48 -5.7X				312.50nm	
TBR	96.41	334 eP	51 46.84	0.0	MSU	105.38	2 ePdiff52	27.82 0.7				i	57 44.20
PAL	96.42	334 iP	51 46.80	0.0			ePP	56 49.92				i	00 34.70
		ipSKS	03 13.50		TNP	105.49	7 ePdiff52	29.19 1.6		YJA	139.68	278 ePKPd	57 36.00 -10.0X
		isSKS	03 32.34			1.1s	20.39nm	6.1mb		HJA	140.12	277 ePKPc	57 39.10 -7.0X
		iPKKP	08 28.39		BONR	105.51	7 ePdiff52	29.41 1.6		ARE	141.15	291 ePKP	57 42.00 -6.5X
		iSS	09 30.60			105.51	7 ePKP	56 36.59 -3.8X		NNA	142.06	302 ePKP	57 44.00 -5.9X
		iPKKS	12 06.14		PV10	105.57	360 ePdiff52	29.34 1.4				1.2s	93.75nm
LON	96.43	9 iPc	51 47.30	0.4	ARN	105.71	10 ePKP	56 39.03 -1.4		TCA	142.88	265 iPKPd	57 45.90 -5.0X
		ePP	52 38.33	206kmX	MEMM	105.73	8 ePdiff52	28.53 0.2		MRA	144.13	263 iPKPc	57 50.90 -1.9
		ePP	55 35.96		ARUT	106.05	4 ePdiff52	31.68 1.7		ZON	146.24	266 ePKP	57 57.00 0.5
TYNO	96.47	339 P	51 47.13	0.1	ARUT	106.05	4 ePKP	56 40.87 -0.4		PEL	148.35	264 iPKP+	58 00.20 0.4
BMW	96.51	10 iPc	51 48.15	0.9	SAO	106.29	10 Pd52	34.75 3.9X		IHA	149.08	265 ePKP	58 02.00 1.1
		ePP	55 30.91		Z	20s	0.67um	5.2Msz				S.D. = 1.0	on 668 of 732 obs.
GPD	96.61	334 eP	51 47.43	-0.3			PP	56 57.62				SEP	04, 1993 12h 16m 18.83± 1.09s
YSNY	96.63	338 ePc	51 47.56	-0.3	ACO	106.65	352 iPd52	32.90 0.4					38.489 N ± 7.0km 20.430 E ± 10.5km
	0.9s	170.03nm	6.4mb		TUL	106.96	349 iPd52	34.80 1.0				DEPTH = 10.0km (geophysicist)	(364)
Z	21s	0.88um	5.2Msz		ISA	107.76	8 PKP	56 50.00 5.6X				GREECE	ML 3.4 (THE).
WAH2	96.67	7 Pc	51 48.26	0.4	Z	20s	0.62um	5.2Msz				VLS	0.34 158 ePn 16 25.50 -0.3
ELF	96.79	340 P	51 48.70	0.2			6.91nm	5.8mb					
LDN	96.89	340 P	51 49.00	0.1	MIAR	107.91	346 ePdiff52	36.87 -1.2					
SHW	96.92	9 ePc	51 50.06	0.9			e	55 57.45					

04d 12h

IGT 1.05 356 ePg 16 37.80 -0.7
 KEK 1.32 338 ePn 16 45.00 1.8
 AGG 1.58 70 ePb 16 47.57 0.6
 LIT 2.27 44 ePn 16 57.72 0.8
 FNA 2.41 17 ePn 16 58.76 -0.1
 OHR 2.63 6 ePn 17 01.50 -0.7
 VLI 2.66 131 ePb 16 08.00 -54.5X
 PAIG 2.90 59 ePn 17 05.52 -0.4
 SOH 3.24 43 ePn 17 11.16 0.4
 OUR 3.31 55 ePn 17 11.92 0.2
 SKO 3.56 12 ePn 17 13.50 -1.8
 SRS 3.58 42 ePn 17 15.76 0.2
 S.D. = 1.0 on 12 of 13 obs.

SEP 04, 1993 13h 37m 12.81± 0.94s
 41.140 N ± 9.9km 28.516 E ± 4.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

CTT 0.07 277 iPg 37 14.70 -0.4
 ISK 0.42 100 ePg 37 21.30 0.0
 KCT 0.90 188 ePn 37 29.70 -0.3
 BNT 0.90 210 ePn 37 30.30 0.2
 HRT 0.93 110 ePn 37 30.70 0.1
 EDC 0.93 212 ePn 37 30.50 -0.1
 MFT 1.00 250 ePn 37 32.20 0.4
 S.D. = 0.4 on 7 of 7 obs.

* SEP 04, 1993 13h 47m 13.84± 2.34s
 45.960 N ± 18.7km 10.912 E ± 12.2km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.2 (VIE).

OSS 0.90 324 ePd 47 31.00 -0.2
 OGA 0.91 5 ePg 47 31.30 -0.1
 VDL 1.13 298 ePd 47 34.40 -0.8
 SCE 1.21 27 ePg 47 35.90 -0.6
 SQTA 1.28 9 iPg 47 37.80 0.2
 MOTA 1.39 5 iPg 47 39.90 0.5
 WITA 1.40 21 iPg 47 39.60 0.1
 TMA 1.43 277 eP+ 47 38.40 -1.6
 LLS 1.61 305 ePd 47 43.80 1.3
 MMK 2.06 274 eP+ 47 50.30 1.2
 S.D. = 1.0 on 10 of 10 obs.

* SEP 04, 1993 14h 00m 21.43± 1.66s
 13.921 N ± 20.9km 93.208 W ± 9.0km
 DEPTH = 33.0km (normal)
 4.2mb (2 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.34 43 (P) 00 43.00 -1.0
 IXG 2.68 84 eP 01 02.86 -0.5
 SCX 2.85 11 (P) 01 06.00 0.4
 YUP 3.32 85 eP 01 13.85 1.4
 OXX 4.62 313 (P) 01 34.00 3.0X
 PPM 7.29 315 (P) 02 10.50 1.6
 III 7.47 307 (P) 02 10.50 -0.6
 LTX 18.14 329 eP 04 32.65 0.0
 UYO 20.19 357 iPc 04 57.20 1.1
 ALQ 24.11 333 eP 05 34.59 -0.8
 LRM 35.71 337 eP 07 19.20 0.0
 YKA 50.84 347 eP 09 19.10 -1.6
 S.D. = 1.2 on 11 of 12 obs.

? SEP 04, 1993 14h 02m 52.88± 5.00s
 39.484 N ± 40.1km 29.597 E ± 21.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 DST 0.76 279 iPg 03 07.80 0.0

EYL 1.16 22 eSg 03 16.80
 KCT 1.22 309 ePn 03 14.70 0.0
 EDC 1.59 303 ePn 03 21.00 -0.1
 MFT 2.20 307 ePn 03 30.00 -0.1
 S.D. = 0.1 on 5 of 5 obs.

SEP 04, 1993 14h 30m 43.46± 1.02s
 4.359 S ± 6.7km 153.171 E ± 8.8km
 DEPTH = 59.3 ± 9.3 km
 5.0mb (15 obs.)
 NEW IRELAND REGION, P.N.G. (190)

RAB 1.02 279 iPd 31 01.00 -0.9
 KVG 2.94 307 eP 31 14.00 0.6
 HNR 8.40 127 eP 32 45.00 -0.1
 GUA 19.58 335 eP 35 10.60 1.0
 GUMO 19.64 335 eP 35 10.80 0.5
 PJG 19.64 335 eP 35 11.10 0.8
 DZM 21.81 145 iPd 35 32.10 -0.3
 BRS 22.91 181 iPd 35 48.00 4.8X
 KNA 26.52 243 iPc 36 18.90 1.4
 ASPA 26.72 222 eP 36 18.90 -0.5
 STK 29.46 200 eP 36 46.20 2.3
 MBL 36.42 240 iPc 37 43.00 -1.4
 MEEK 39.76 233 eP 38 11.50 -0.9
 NJ2 48.74 320 Pd 39 25.20 1.0
 DL2 51.99 329 eP 39 48.50 -0.4
 TIA 52.58 323 eP 39 52.70 -0.7
 CN2 54.05 335 eP 40 02.20 -1.9
 TIY 56.41 322 eP 40 20.40 -1.0
 XAN 56.56 316 P 40 21.50 -1.0
 CD2 58.73 310 eP 40 37.30 -0.5
 LZH 61.17 315 eP 40 55.00 0.4
 Z 12s 0.47um 4.9MsZ
 E 14s 0.58um 4.9MsZ

GTA 65.59 317 eP 41 24.00 0.5
 YAK 68.60 348 eP 41 41.80 -0.1
 GUN 72.21 301 P 42 05.20 0.2
 KKN 72.69 301 P 42 07.80 0.2
 DMN 72.80 300 P 42 08.80 0.5
 WMQ 75.67 317 P 42 25.00 0.7
 GEC2 123.87 329 ePKP 49 36.50 -0.1
 S.D. = 1.0 on 27 of 28 obs.

SEP 04, 1993 14h 42m 57.39± 0.59s
 22.417 S ± 8.2km 179.589 W ± 5.2km
 DEPTH = 562.3 ± 8.4 km
 5.2mb (24 obs.)
 SOUTH OF FIJI ISLANDS (171)

SVA 4.65 336 eP 44 25.50 -0.2
 VUN 4.75 337 eP 44 26.90 0.3
 DZM 12.94 269 iPc 45 46.80 0.9
 URZ 16.04 189 eP 46 15.70 -0.5
 NOZ 16.28 187 eP 46 20.40 1.9
 MNG 18.62 192 eP 46 40.30 -0.8
 AFR 28.41 86 iPc 48 08.70 -0.3
 S.D. = 1.0 on 27 of 28 obs.

PAE 28.56 86 iPc 48 10.00 -0.3
 PPT 28.59 86 iPc 48 10.40 -0.2
 Z 25s 125.00um 6.4MsZ
 PPN 28.73 86 iPc 48 11.50 -0.3
 TVO 28.83 86 iPc 48 12.50 -0.3
 PMO 30.86 82 iPc 48 29.90 -0.1
 VAH 31.03 82 iPc 48 31.20 -0.3
 TPT 31.12 82 iPc 48 32.10 -0.1
 RUV 31.28 82 iPc 48 33.30 -0.2
 CTA 31.88 268 iPd 48 39.00 0.4
 TOO 33.58 235 iPd 48 54.30 1.5
 STK 35.65 246 eP 49 11.00 1.1
 ASPA 42.67 259 iPd 50 06.60 -0.2
 WB2 42.89 264 iPd 50 07.70 -0.9
 FORT 47.20 248 eP 50 41.00 -0.5
 MTN 47.74 273 eP 50 44.00 -1.9
 KNA 49.07 268 iPd 50 55.00 -0.8
 KLB 55.91 246 eP 51 43.90 -0.8
 MBL 55.92 259 iPd 51 43.80 -1.0
 BAL 56.94 247 eP 51 50.90 -0.8
 MRWA 57.76 249 eP 51 56.50 -0.8
 NANU 59.49 256 iPd 52 08.90 0.0
 LEM 71.54 270 iPc 53 22.50 -1.6
 ADK 74.02 2 eP 53 34.95 -2.2
 KGM 78.85 277 eP 54 04.50 0.3
 GZH 79.39 300 P 54 09.00 2.2
 NJ2 79.98 311 P 54 10.40 0.7
 MDJ 81.25 326 eP 54 16.50 0.5
 IPM 81.96 278 ePd 54 21.00 0.8
 CN2 82.93 323 P 54 24.70 0.3
 Z 16s 0.24um 4.7MsZ
 N 11s 0.09um 4.6mb
 E 11s 0.13um 4.6mb
 BONR 83.15 44 iPc 54 26.84 0.8
 TIA 83.49 313 eP 54 27.50 0.1
 Z 12s 61.00nm 5.1mb
 E 14s 0.95um 5.3MsZ
 TUC 85.32 52 iPc 54 39.00 2.5
 TIY 87.46 313 eP 54 47.00 0.4
 XAN 88.13 308 P 54 50.50 0.8
 BALM 88.43 17 eP 54 50.31 -0.3
 CHTO 89.51 290 iPd 54 57.90 1.6
 BTO 90.53 314 eP 54 58.00 -2.7
 LZH 92.76 308 eP 55 12.00 0.8
 NB2 140.68 352 PKP 01 16.50 -7.8X
 HFS 141.17 349 ePKP 01 17.80 -7.3X
 EKA 147.02 4 PKPc 01 37.40 2.3X
 VRI 148.30 324 ePKP 01 31.00 -6.5X
 MLR 148.96 324 ePKP 01 41.50 2.8X
 SPC 149.01 334 iPKP 01 44.20 5.5X
 CLL 149.54 344 iPKPd 01 44.00 4.9X
 BRG 149.69 343 iPKPd 01 45.20 5.8X
 S.D. = 1.0 on 27 of 28 obs.

04d 15h

PRU 150.32 341 iPKPd 01 45.90 5.5X
 0.7s 11.60nm
 MOX 150.49 345 ePKP 01 45.40 4.8X
 1.3s 15.00nm
 ZST 151.02 337 ePKP 01 58.30 16.8X
 KHC 151.37 342 PKP 01 48.90 6.9X
 0.9s 3.00nm
 GRF 151.47 345 ePKP 01 49.40 7.3X
 id 02 00.10
 GEC2 151.59 341 ePKP 01 48.90 6.5X
 0.5s 1.68nm
 e 02 00.10

S.D. = 1.1 on 45 of 59 obs.

% SEP 04, 1993 15h 06m 30.48± 0.83s
 44.345 N ± 7.2km 7.289 E ± 9.6km
 DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)
 ML 1.8 (GEN).

STV 0.10 166 P 06 33.21 -0.1
 S 06 34.59
 ENR 0.15 142 P 06 34.14 0.0
 S 06 36.19
 PZZ 0.21 320 P 06 35.27 0.2
 S 06 38.20
 ROB 0.42 97 P 06 39.17 0.1
 S 06 45.24
 BHB 0.50 358 P 06 40.40 -0.2
 S 06 47.41

S.D. = 0.2 on 5 of 5 obs.

* SEP 04, 1993 15h 45m 09.49± 0.92s
 33.535 S ± 9.7km 71.058 W ± 9.4km
 DEPTH = 93.3 ± 8.0 km
 NEAR COAST OF CENTRAL CHILE (135)
 MD 4.2 (SAN).

TACH 0.15 140 iPd 45 22.17 -0.9
 SAN 0.34 76 iP+ 45 23.56 -0.2
 is 45 31.22
 LCCH 0.43 278 iPd 45 24.06 -0.2
 PCH 0.46 101 iPd 45 24.54 -0.1
 is 45 33.95
 PEL 0.50 39 iP+ 45 25.03 0.2
 is 45 34.48
 LNV 0.51 215 iP+ 45 24.29 -0.5
 ROCH 0.56 4 iPd 45 25.44 -0.1
 is 45 35.56
 FCH 0.67 72 iPd 45 27.21 0.5
 CACH 0.69 147 iPd 45 27.40 0.8
 IHA 0.70 316 iPd 45 27.40 0.9
 is 45 38.50
 JACH 0.94 25 iP+ 45 29.82 0.7
 is 45 42.99
 ZON 2.82 46 eP 45 57.70 4.2X
 CFA 3.06 52 ePc 46 00.40 3.6X
 S 46 40.30
 RTRS 3.62 22 iPc 46 08.90 4.5X
 CYA 6.79 43 ePc 46 47.00 -1.4
 CNCB 16.88 10 P 49 06.00 4.1X
 LPB 17.14 10 (P) 49 05.00 0.1
 LPAZ 17.38 9 eP 49 07.00 -1.1
 SIV 19.66 30 P 49 34.90 1.4

S.D. = 0.9 on 15 of 19 obs.

SEP 04, 1993 17h 25m 10.11± 0.25s
 30.340 N ± 4.6km 94.831 E ± 3.3km
 DEPTH = 10.0km (geophysicist)
 5.1mb (51 obs.)

XIZANG (306)

SHL 5.42 209 iPn 26 33.50 0.4
 iSn 28 14.00
 CD2 7.71 84 eP 27 09.30 4.1X
 GUN 8.19 255 P 27 11.60 -0.6
 KMI 8.72 125 Pc 27 20.00 0.6
 1.5s 60.00nm 5.7mb
 sP 27 32.50
 KKN 8.74 255 P 27 18.20 -1.4
 DMN 8.94 255 P 27 21.40 -1.1
 LZH 9.48 50 eP 27 31.50 1.7
 1.5s 45.00nm 5.6mb
 Z 12s 0.63um 4.1MsZx

GTA 9.93 23 sP 27 42.50
 1.5s 12.00nm 5.1mb
 Z 12s 0.78um 4.1MsZx
 GYA 11.11 107 P 27 52.00 -0.2
 XAN 12.49 69 P 28 09.50 -1.3
 0.6s 2.60nm 4.6mb
 WMQ 14.60 339 P 28 37.80 -0.8
 NST 15.39 160 eP 28 51.50 2.6
 BTO 16.03 46 eP 28 55.00 -2.3
 N 11s 0.22um
 E 10s 0.18um
 TIY 16.33 59 eP 28 58.40 -2.6
 Z 16s 1.19um
 E 11s 0.37um
 WHN 16.84 84 Pd 29 06.50 -0.9
 pP 29 15.70
 HHC 17.15 48 eP 29 11.00 -0.5
 1.2s 36.00nm 4.4mb
 KSH 17.91 306 eP 29 20.00 -1.0
 TIA 19.52 67 eP 29 40.70 0.2
 HYB 19.64 233 eP 29 41.50 -0.5
 BJI 19.91 55 eP 29 44.50 -0.1
 1.5s 29.00nm 4.4mb
 Z 12s 0.61um 7.2MsZx
 FRU 20.41 313 eP 29 51.00 1.1
 1.6s 140.00nm 5.1mb
 e 30 17.60
 NJ2 20.62 79 eP 29 51.00 -1.1
 ZAK 21.00 15 eP 29 55.00 -0.9
 1.5s 80.00nm 4.9mb
 e 33 47.00
 SSE 22.66 81 eP 30 14.00 1.3
 IRK 23.00 15 eP 30 17.00 1.1
 1.4s 58.00nm 4.9mb
 GBA 23.13 228 Pd 30 18.50 1.1
 0.8s 6.00nm 4.2mb
 SNG 23.67 166 eP 30 16.40 -6.3X
 CIT 25.70 27 eP 30 44.00 2.1
 SNY 25.79 56 eP 30 42.40 -0.3
 CN2 27.70 52 Pc 31 01.00 0.7
 1.0s 21.00nm 4.9mb
 MAIO 30.01 291 eP 31 22.00 0.7
 SVE 35.61 328 ePd 32 09.80 0.2
 1.4s 60.00nm 5.3mb
 ARU 36.34 326 eP 32 16.50 0.7
 1.4s 70.00nm 5.3mb
 e 32 17.00
 YAK 38.95 25 eP 32 37.10 -0.5
 1.2s 40.00nm 5.0mb
 GRO 40.86 302 eP 32 56.00 2.3
 1.0s 60.00nm 5.3mb
 i 33 03.00
 PYA 42.78 303 eP 33 10.00 0.6
 TIK 45.27 14 eP 33 31.00 1.9
 1.4s 22.00nm 4.9mb
 e 33 39.00
 MOS 47.21 320 iPd 33 46.00 1.3
 1.6s 120.00nm 5.7mb
 e 33 53.00
 OBN 47.71 319 iPd 33 50.00 1.4
 1.4s 66.00nm 5.5mb
 PUL 51.56 324 (P) 34 20.00 2.0
 1.4s 60.00nm 5.3mb
 MNK 52.92 317 eP 34 37.00 8.6X
 CFR 53.32 306 eP 34 31.00 -0.4
 KAF 53.67 327 eP 34 35.00 1.2
 SDF 54.10 334 iP 34 37.80 0.9
 VRI 54.21 307 ePd 34 39.00 1.0
 ISR 54.45 306 eP 34 40.00 0.2
 MLR 54.81 307 eP 34 40.00 -2.6
 UZH 56.75 311 eP 34 57.50 1.2
 1.0s 31.00nm 5.3mb
 e 35 05.80
 e 35 14.40
 SPC 57.99 312 eP 35 05.70 0.4
 SKO 58.73 303 eP 35 09.50 -0.8
 HFS 59.88 325 eP 35 17.40 -0.7
 1.1s 20.10nm 5.2mb
 ZST 60.23 311 eP 35 20.80 0.2
 NB2 60.93 326 P 35 24.50 -0.8
 1.3s 23.80nm 5.2mb
 PRU 61.45 314 P 35 29.20 0.4
 1.1s 13.00nm 5.0mb
 e 35 36.00
 BRG 61.60 315 eP 35 29.50 -0.4

GEC2 62.26 312 ePc 35 34.60 0.1
 0.7s 3.13nm 4.6mb
 KHC 62.27 313 eP 35 36.00 1.5
 WET 62.71 313 iPc 35 39.20 1.9
 WRA 62.80 138 P 35 38.50 0.2
 0.8s 1.90nm 4.3mb
 WB2 62.81 138 iPd 35 38.20 -0.1
 0.3s 1.80nm 4.7mb
 GRF 63.60 314 eP 35 44.20 1.0
 1.2s 23.00nm 5.2mb
 ASPA 65.49 141 eP 35 55.30 -0.5
 2.9s 15.90nm 4.7mb
 CDF 66.46 313 eP 36 00.90 -0.9
 1.4s 19.60nm 5.1mb
 BSF 66.96 313 eP 36 03.90 -1.2
 1.5s 23.50nm 5.2mb
 LPG 67.81 311 eP 36 10.10 -0.6
 1.0s 17.60nm 5.2mb
 LPL 67.82 311 eP 36 10.20 -0.5
 1.0s 21.60nm 5.3mb
 LOR 69.02 313 eP 36 16.50 -1.4
 1.4s 14.80nm 5.0mb
 LBF 69.05 313 eP 36 16.80 -1.3
 1.3s 16.25nm 5.1mb
 SMF 69.27 313 eP 36 18.40 -1.0
 1.0s 9.60nm 4.9mb
 SSF 69.32 313 eP 36 18.70 -1.0
 1.1s 15.15nm 5.1mb
 AVF 69.52 313 eP 36 20.10 -0.8
 1.1s 15.15nm 5.1mb
 HYF 69.79 314 eP 36 22.10 -0.4
 BGF 69.93 313 eP 36 22.60 -0.8
 MAF 70.25 313 eP 36 25.00 -0.3
 1.4s 25.70nm 5.2mb
 TCF 70.45 313 eP 36 26.20 -0.4
 1.2s 26.20nm 5.2mb
 LSF 70.89 313 eP 36 28.30 -1.0
 1.4s 16.55nm 5.0mb
 CAF 71.09 311 eP 36 30.30 -0.2
 1.2s 14.30nm 5.0mb
 RJF 71.29 312 eP 36 31.70 0.0
 1.2s 21.40nm 5.1mb
 GRR 71.49 316 eP 36 32.00 -0.8
 1.2s 25.60nm 5.2mb
 TTA 71.51 27 eP 36 32.76 -0.1
 1.3s 7.96nm 4.7mb
 LPF 71.75 315 eP 36 33.70 -0.7
 1.4s 19.60nm 5.0mb
 LPO 71.76 311 eP 36 34.20 -0.3
 1.3s 22.40nm 5.1mb
 LFF 71.94 312 eP 36 35.60 0.0
 1.4s 31.35nm 5.2mb
 SVW 72.61 29 eP 36 39.70 0.4
 1.3s 38.67nm 5.3mb
 FBA 73.44 23 eP 36 43.67 -0.4
 1.2s 12.10nm 4.8mb
 PMR 74.94 26 (P) 36 52.91 0.2
 1.4s 32.40nm 5.2mb
 INK 75.35 17 eP 36 57.00 2.0
 1.4s 14.00nm 4.8mb
 STK 76.13 140 eP 36 58.90 -1.0
 2.6s 3.20nm 4.0mb X
 MTD 76.79 241 iPc 36 48.90 -15.1X
 LSZ 78.51 245 iP 37 14.00 0.4
 BUL 81.05 241 iPc 37 26.70 -0.5

S.D. = 1.1 on 87 of 91 obs.

? SEP 04, 1993 17h 31m 27.01± 2.87s
 13.813 N ±29.6km 93.875 W ±16.1km
 DEPTH = 33.0km (normal)
 4.1mb (1 obs.)

OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.90 55 iP 31 56.00 -1.8
 is 32 10.50
 SCX 3.14 22 eP 32 16.50 1.2
 is 32 43.50
 IXG 3.34 83 ePd 32 18.56 0.2
 eS 32 58.72
 YUP 3.97 84 iPc 32 27.76 0.4
 OXX 4.25 320 (P) 32 31.00 -0.3
 (S) 33 30.50
 PPM 6.93 320 (P) 33 26.50 17.1X
 YKA 50.80 348 eP 40 31.10 5.1X
 0.7s 1.70nm 4.1mb
 GBA 151.43 18 PKP 51 31.00 17.4X
 S.D. = 1.5 on 5 of 8 obs.

SEP 04, 1993 17h 37m 00.20± 4.39s
39.083 N ±14.7km 31.044 E ±36.4km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 3.1 (ISK).

ALT 0.73 268 iPg 37 14.50 -0.1
iSg 37 24.50
GPA 1.33 335 ePn 37 24.70 -0.1
KHL 1.41 238 ePn 37 26.00 0.0
KCT 2.38 300 ePn 37 40.00 0.1
S.D. = 0.2 on 4 of 4 obs.

SEP 04, 1993 19h 32m 02.85± 0.77s
9.968 N ± 9.8km 69.385 W ± 8.6km
DEPTH = 10.0km (geophysicist)

VENEZUELA (101)

TOV 0.44 246 iPg 32 11.50 -0.3
iSg 32 18.30
CANV 1.20 27 iPc 32 25.70 0.5
iS 32 45.90
MORO 1.38 49 iPc 32 27.60 -0.7
iS 32 47.00
CEOS 1.39 132 eP 32 28.50 0.1
iS 32 45.80
SDV 1.63 229 ePn 32 32.30 0.4
S.D. = 0.7 on 5 of 5 obs.

SEP 04, 1993 19h 54m 04.28± 0.33s
43.985 N ± 3.8km 11.826 E ± 2.8km
DEPTH = 30.6 ± 3.2 km

CENTRAL ITALY (381)
ML 3.7 (LDG). MD 3.5 (TRI).

SFI 0.07 164 P 54 09.23 -0.3
CRE 0.37 166 P 54 12.96 0.1
BDI 0.89 275 P 54 21.47 0.8
ARV 0.94 121 P 54 22.36 0.9
ASS 1.10 146 P 54 23.84 0.2
SAL 1.87 331 P 54 35.95 1.3
BOB 1.88 295 P 54 39.09 4.2X
TRI 2.21 238 e(Pn) 54 38.00 -1.5
e 54 43.80
e(Sn) 55 03.80
i(Sg) 55 11.40

RMP 2.27 163 P 54 42.95 2.6
RIY 2.28 52 iPn 54 39.10 -1.4
RDP 2.32 163 P 54 44.79 3.6X
PCP 2.42 284 P 54 42.52 -0.2
PGF 2.51 236 Pn 54 44.20 0.2
Sn 55 14.40

VOY 2.52 35 ePnc 54 43.20 -0.9
ePg 54 49.70
eSg 55 13.20

CEY 2.55 46 ePn 54 44.50 0.1
eSn 55 11.50
FIN 2.62 276 P 54 45.22 -0.2
FVI 2.69 14 P 54 46.40 0.0
RBL 2.75 26 P 54 46.97 -0.3
LJU 2.81 42 ePn 54 47.50 -0.6
ePg 54 55.00
eSn 55 20.00

IMI 2.84 270 P 54 48.33 -0.3
ROB 2.86 278 P 54 48.93 0.0
VAI 2.87 312 P 54 49.95 1.0
VBY 2.88 57 ePn 54 49.50 0.5
i 54 56.00
i 54 57.40
iSn 55 21.50
i(Sg) 55 43.80

OSS 2.95 337 eP+ 54 52.20 2.0
TMA 2.98 316 iP+ 54 51.40 0.7
VDL 3.00 327 iP+ 54 52.40 1.3
SCE 3.06 359 ePn 54 53.00 1.3
SBF 3.17 269 Pn 54 53.50 0.2
Sn 55 28.50

ENR 3.18 276 P 54 53.46 0.0
ORO 3.19 302 P 54 56.40 2.8
STV 3.25 276 P 54 54.56 0.1
SQTA 3.26 353 iPnc 54 56.30 1.7
i 55 12.40
iSn 55 37.70

KBA 3.27 18 iPnd 54 54.70 -0.1
i 55 08.90
iSn 55 34.20

WTTA 3.28 358 iPnc 54 56.30 1.4
i 55 06.60
i 55 35.60
i 55 51.10

WATA 3.36 357 iPnd 54 57.60 1.6
iSn 55 38.40
BHB 3.38 286 P 54 56.48 0.2
MOTA 3.40 352 iPnd 54 58.30 1.7
iSn 55 40.40

MMK 3.43 308 eP+ 54 57.70 0.5
PZZ 3.43 280 P 54 56.20 -0.9
RSP 3.47 291 P 54 56.43 -1.2
PTJ 3.50 55 iPn 54 58.10 0.0
iSn 55 50.00

LLS 3.50 326 eP+ 54 59.40 1.2
LSD 3.64 295 P 54 59.45 -0.7
RRL 3.73 286 P 55 02.25 0.9
DIX 3.77 305 eP+ 55 03.20 1.3
FRF 3.78 265 Pn 55 01.90 0.1
Sn 55 43.30

BHG 3.81 11 iPc 55 03.50 1.3
BNI 3.84 288 P 55 05.74 3.0X
LMR 3.91 262 Pn 55 03.30 -0.4
Sn 55 47.30

LPG 3.92 294 Pn 55 04.20 0.1
LPL 3.94 295 Pn 55 04.80 0.5
LRG 4.00 264 Pn 55 05.00 0.1
Sn 55 49.30

ZLA 4.25 327 P 55 08.90 0.4
SLE 4.44 330 eP+ 55 11.00 -0.3
FEL 4.71 327 eP 55 14.70 -0.5
LOMF 4.86 316 Pn 55 16.54 -0.7
Sg 56 09.52

GEC2 5.03 14 Pn 55 17.60 -2.1
Pg 55 36.80
Sn 56 14.20
Sg 56 32.60

BSF 5.21 319 Pn 55 21.40 -0.8
Sn 56 16.60
KHC 5.29 13 Pn 55 22.00 -1.2
e 55 32.50
e 55 47.50
e 56 03.00
eSn 56 19.50

CDF 5.44 326 Pn 55 24.60 -0.8
Sn 56 22.80
HAU 5.54 318 Pn 55 26.00 -0.8
Sn 56 24.90

ZST 5.59 39 eP 55 35.80 8.4X
SMF 6.23 298 Pn 55 35.70 -0.8
Sn 56 42.80

LBF 6.28 301 Pn 55 36.50 -0.8
Sn 56 44.70
PRU 6.29 16 ePn 55 44.50 7.2X
e 56 01.00
e 56 40.80
eSn 56 50.50
e 57 29.00

LOR 6.48 303 Pn 55 39.20 -0.8
Sn 56 49.50
AVF 6.59 298 Pn 55 40.60 -1.0
SSF 6.60 301 Pn 55 40.70 -1.1
MOX 6.67 359 e(P) 56 23.20 40.6X
e 56 51.60

BGF 6.84 295 Pn 55 44.10 -1.0
Sn 56 58.20
MAF 6.92 292 Pn 55 45.80 -0.5
BRG 7.04 11 e(P) 56 45.00 57.2X
e 58 55.00

CAF 7.05 281 Pn 55 48.00 0.0
TCF 7.18 292 Pn 55 49.30 -0.6
CLL 7.37 6 e(P) 56 32.00 39.5X
e 57 40.00
e 58 12.00

DOU 7.86 324 P 56 03.70 4.4X
0.7s 3.30nm 4.6mb X
S 57 21.20

S.D. = 1.0 on 67 of 76 obs.

SEP 04, 1993 20h 22m 30.38± 0.17s
37.188 N ± 3.7km 94.605 E ± 2.5km
DEPTH = 18.4km (16 depth phases)
5.1mb (69 obs.)

QINGHAI, CHINA (325)
ML 5.0 (BJI).

GTA 4.66 60 Pn 23 42.00 0.3

Pg 23 57.50
Sn 24 42.00
LZH 7.51 96 Pd 24 23.00 1.2
1.8s 92.00nm 5.6mb

Z 12s 7.00um
N 10s 6.96um
E 10s 7.49um

sP 24 30.00
eS 25 48.00
SS 26 03.00

WMQ 8.46 324 iPc 24 34.80 -0.1
S 26 11.40
CD2 9.84 127 eP 24 59.40 5.4X
Z 10s 5.71um
E 10s 6.52um

GUN 11.82 221 P 25 22.20 0.9
0.6s 25.00nm 5.7mb
XAN 12.07 101 P 25 23.00 -1.4
1.0s 4.50nm 4.7mb

Z 12s 5.63um 4.1MsZ
N 10s 3.43um
E 12s 4.12um

pP 25 33.00
KKN 12.23 223 P 25 26.60 -0.1
0.6s 34.00nm 5.8mb

DMN 12.47 223 P 25 30.00 0.0
0.6s 8.00nm 5.1mb
HHC 13.68 69 P 25 46.50 0.6

Z 18s 2.05um
N 10s 1.71um
E 11s 1.16um

KMI 13.89 148 Pd 25 48.00 -0.8
1.5s 50.00nm 5.1mb
pP 25 54.50

TIY 14.18 82 eP 25 48.00 -4.4X
Z 12s 5.30um
N 11s 2.40um
E 11s 2.21um

ZAK 14.59 23 eP 25 59.00 1.5
1.4s 35.00nm 4.7mb
eS 28 47.00

KSH 14.80 284 P 26 00.00 -0.5
Z 12s 5.91um
N 10s 3.60um

sP 26 08.00
PP 26 13.00
S 28 48.00
sS 28 59.00
SS 29 06.00

GYA 14.80 133 P 25 59.00 -1.6
Z 12s 3.31um
N 10s 2.10um
E 10s 1.20um

PP 26 11.00
FRU 16.31 296 eP 26 18.00 -1.9
1.4s 60.00nm 4.5mb
Z 12s 4.60um 4.2MsZ
E 12s 4.00um

IRK 16.56 21 eP 26 27.00 4.0X
1.6s 46.00nm 4.4mb
N 12s 2.61um

BJI 17.09 74 eP 26 32.00 2.2
1.5s 58.00nm 4.5mb
Z 16s 2.60um 4.3MsZ
N 10s 2.30um

eS 29 38.00
WHN 17.67 106 eP 26 38.00 0.9
Z 12s 5.42um
N 12s 1.60um
E 10s 3.88um

TIA 18.08 86 eP 26 43.00 0.8
Z 14s 4.46um
E 11s 2.03um

CIT 19.97 36 eP 27 03.00 -1.3
NJ2 20.58 97 eP 27 12.70 1.9
Z 12s 1.85um 4.7MsZ
DL2 21.33 77 eP 27 18.00 -0.4
Z 12s 1.89um 4.7MsZ
N 12s 1.66um
E 14s 0.90um

GZH 21.40 126 P 27 24.10 5.0X
Z 12s 1.81um 4.7MsZ
NST 21.98 166 eP 27 31.50 6.4X
QIZ 22.48 139 eP 27 30.20 0.1

N 10s 1.71um
E 10s 1.54um
eS 31 30.00

04d 20h

SNY	22.78	69	eP	27	31.00	-1.8	OSS	60.69	308	eP+	32	42.70	-0.2	EPF	0.4s	7.20nm	5.2mb			
Z	16s		2.34um			4.7MsZ	VDL	61.19	308	ePd	32	46.40	0.0	EPF	68.55	308	iPc	33	34.00	0.1
N	12s		1.64um				SLE	61.26	310	eP+	32	46.40	-0.2		0.7s	3.75nm	4.7mb			
			pP	27	38.20	26km	LLS	61.33	309	ePd	32	46.90	-0.4	INK	68.87	17	eP	33	35.00	-0.4
			S	31	37.00		ENN	61.54	314	eP	32	49.00	0.7		1.0s	8.00nm	4.8mb			
SSE	22.79	98	P	27	33.50	0.5		0.8s	13.10nm				5.1mb	KDC	70.04	32	iPc	33	41.64	-1.0
Z	12s		2.30um			4.8MsZ	CDF	61.73	311	iPc	32	49.40	-0.5		0.5s	7.74nm	5.1mb			
N	10s		1.40um					0.9s	11.95nm				5.0mb			e	33	46.35	15km	
E	10s		1.70um				WLF	61.87	313	iPc	32	52.73	2.1	KLU	70.15	26	ePc	33	43.06	-0.4
			pP	27	38.00	16km	BSF	62.27	310	iPc	32	53.10	-0.4			e	33	48.48	17km	
			S	31	36.00			0.9s	14.40nm				5.1mb	ASPA	70.95	142	iPc	33	48.10	-0.6
			PcS	35	00.00		MMK	62.32	308	ePd	32	54.10	0.1		0.4s	22.80nm	5.7mb			
HYB	24.25	220	eP	27	46.40	-0.9	HAU	62.47	311	iPc	32	54.20	-0.5			ipP	33	53.70	18km	
			eS	32	12.00			0.9s	10.95nm				5.0mb	BALM	71.72	25	eP	33	52.79	-0.2
CN2	24.28	65	eP	27	47.40	0.0	Z	23s	0.15um				4.1MsZ	YKA	77.91	13	eP	34	27.60	-0.6
	1.0s		16.00nm			4.6mb	DOU	62.59	313	Pc	32	56.00	0.6		0.7s	2.60nm	4.4mb			
	Z	10s	1.28um			4.7MsZ		0.7s	8.90nm				5.0mb	MTD	79.96	240	eP	34	25.20	-15.0X
			epP	27	52.00	16km	DIX	62.66	308	eP+	32	56.60	0.3	STK	81.54	141	eP	34	47.30	-0.7
			eS	32	02.00		PGP	63.21	304	eP	32	59.70	-0.1		0.7s	3.10nm	4.5mb			
GBA	28.05	218	P	28	39.00	16.4X	LPG	63.33	308	iPc	33	01.10	0.4	BUL	84.30	240	eP	35	03.40	0.7
MAIO	28.06	279	eP	28	25.00	2.3		0.9s	27.20nm				5.4mb	RMW	89.66	24	iPc	35	29.68	1.2
ASH	28.64	283	eP	28	29.00	1.2	LPL	63.33	308	iPc	33	01.10	0.4			e	35	34.65	16km	
SVE	29.90	322	iPc	28	39.00	0.1		1.0s	18.80nm				5.2mb	LON	90.28	24	eP	35	32.52	1.2
	1.0s		80.00nm			5.5mb	SBF	63.63	306	iPc	33	02.50	0.0			e	35	37.31	15km	
			e	28	47.00	28km		0.7s	25.45nm				5.5mb	NEW	90.35	21	eP	35	32.29	0.7
			e	29	39.00		LOR	64.30	311	iPc	33	05.90	-0.9		0.7s	12.80nm	5.3mb			
ARU	30.75	320	iPc	28	46.80	0.4		1.0s	9.40nm				4.9mb	RSSD	97.32	13	eP	36	04.35	0.5
	1.0s		60.00nm			5.4mb	Z	19s	0.17um				4.3MsZ		0.7s	2.55nm	4.9mb			
	Z	12s	1.00um			4.7MsZ	LBF	64.36	311	iPc	33	06.50	-0.7	PPD	146.95	288	ePKP	42	13.70	2.1X
	E	12s	0.50um					1.0s	7.80nm				4.8mb	SIV	149.85	308	PKP	42	16.40	0.1
			e	29	44.00	294kmX	EKA	64.39	321	Pc	33	07.30	0.1	LPZ	154.18	319	PKP	42	24.40	1.1
YAK	32.98	30	eP	29	03.80	-2.1		0.8s	9.80nm				5.0mb	LPB	154.37	319	ePKP	42	35.00	11.7X
GRO	37.39	295	eP	29	47.00	3.3X	LRG	64.51	306	iPc	33	08.60	0.5			e	35	32.52	1.2	
	1.5s		160.00nm			5.6mb		1.2s	42.85nm				5.5mb	CNCB	154.54	318	PKP	42	25.00	1.3
ERE	38.81	290	iP-	29	58.00	2.2	IMA	64.60	25	iPc	33	07.66	-0.9							
MOS	42.06	315	eP	30	23.00	0.8		0.8s	6.56nm				4.8mb							
	1.4s		120.00nm			5.4mb	SMF	64.60	310	iPc	33	08.40	-0.3							
			e	30	36.00	49kmX		0.8s	29.15nm				5.5mb							
			e	32	13.00		SSF	64.61	311	iPc	33	08.20	-0.6							
OBN	42.63	314	iPc	30	27.00	0.1		0.9s	8.20nm				4.9mb	CCH	2.35	29	iPc	37	12.50	-0.7
	1.3s		52.00nm			5.1mb	AVF	64.83	311	iPc	33	09.80	-0.4							
ANN	43.12	299	eP	30	30.00	-1.0		1.0s	21.20nm				5.3mb	CNCB	2.69	347	Pc	37	18.00	0.9
Z	11s		0.50um			4.7MsZ	HYF	65.04	311	eP	33	11.50	0.0							
KAF	47.93	324	iP	31	08.90	-0.3	BGF	65.25	311	iPc	33	12.40	-0.5							
	0.7s		5.10nm			4.7mb		0.8s	13.85nm				5.2mb	LPB	2.99	346	P	37	21.20	1.0
SDF	47.96	331	iP	31	09.10	-0.3	TTA	65.55	28	eP	33	13.70	-1.0							
NUR	48.82	322	iP	31	15.90	-0.1		1.0s	4.22nm				4.6mb	YJA	3.21	148	iPd	37	22.80	0.1
	0.6s		8.30nm			4.9mb	MAF	65.58	310	iPc	33	15.20	0.2							
VRI	50.16	303	eP	31	26.00	-0.6		1.0s	25.60nm				5.3mb	LPZ	3.23	346	P	37	23.40	0.2
MLR	50.79	302	ePc	31	31.00	-0.5	HAE	65.68	318	eP	33	15.40	-0.1							
UZH	52.31	307	eP	31	42.50	-0.3	TCF	65.76	311	iPc	33	16.30	0.1							
			e	31	49.90	25km		0.9s	25.55nm				5.4mb	HJA	4.16	155	ePd	37	34.20	0.7
UPP	52.38	322	iPd	31	42.80	-0.4	HGH	66.02	317	eP	33	17.50	-0.2							
OJC	53.44	309	eP	31	52.00	0.8	LDF	66.02	314	iPc	33	17.50	-0.3							
SPC	53.45	308	iP	31	52.20	0.7		0.6s	10.45nm				5.2mb	SLA	5.53	162	eP	37	50.50	-0.2
HFS	54.25	322	eP	31	56.20	-0.8	HTR	66.04	318	eP	33	17.60	-0.3							
	0.7s		13.00nm			5.1mb	HCG	66.13	318	eP	33	15.80	-2.6							
Z	17s		0.17um			4.2MsZ	FLN	66.15	314	eP	33	18.20	-0.4							
			LR	54	24.00			0.7s	6.50nm				4.9mb	VAO	19.31	104	eP	40	37.40	-0.4
NB2	55.22	324	P	32	03.20	-0.9	Z	19s	0.22um				4.4MsZ	SOB1	27.52	72	(P)	41	56.00	0.5
	0.7s		12.10nm			5.0mb	LSF	66.20	311	iPc	33	18.90	0.0							
VRAC	55.69	309	eP	32	08.40	0.8		1.0s	9.60nm				4.9mb	FVM	61.11	339	iPd	46	19.08	-0.9
	1.9s		58.40nm			5.3mb	CAF	66.52	309	eP	33	21.50	0.4							
ZST	55.74	308	eP	32	08.40	0.4		1.1s	10.25nm				4.9mb		0.5s	16.55nm	5.0mb			
MOL	56.47	326	eP	32	12.37	-0.7	GRR	66.55	314	iPc	33	20.90	-0.2							
PRU	56.73	310	P	32	15.30	0.2		0.8s	29.15nm				5.5mb	ALQ	65.62	325	P	46	50.22	0.6
	Z	12s	0.50um			4.8MsZ	RJF	66.67	310	eP	33	22.50	0.5							
BRG	56.79	312	iP	32	15.60	0.1		1.1s	18.80nm				5.2mb	LIC	66.40	74	Pc	46	53.74	-0.9
	1.3s		23.00nm			5.0mb	SVW	66.74	30	eP	33	22.45	0.2							
CLL	57.20	312	iPc	32	18.00	-0.4		0.8s	18.17nm				5.3mb	KIC	66.71	74	Pc	46	55.96	-0.7
	1.1s		20.00nm			5.1mb			e	33	27.52	16km								
KHC	57.61	310	eP	32	18.00	-3.4X	MFF	67.03	312	iPc	33	24.10	-0.1							
	1.0s		3.50nm			4.3mb		0.9s	11.80nm				5.0mb							
			e	32	23.50	18km	DLF	67.12	320	eP	33	24.60	-0.1							
			e	32	28.00		LPO	67.18	309	eP	33	25.50	0.2							
GEC2	57.64	309	ePc	32	21.70	0.0		0.7s	7.60nm				5.0mb							
	0.7s		2.68nm			4.4mb	FBA	67.26	24	iPc	33	24.78	-0.7							
			e	32	26.70	16km		0.7s	9.04nm				5.0mb							
			e	32	28.60				i	33	29.93	17km								
MOX	58.25	312	eP	32	25.70	-0.1	LFF	67.33	310	eP	33	26.60	0.4							
	Z	18s	0.30um			4.5MsZ		0.8s	19.05nm				5.3mb							
GRF	58.84	311	iPc	32	30.90	0.9	DCN	67.48	321	eP	33	27.20	0.3							
	0.9s		31.00nm			5.4mb	WRA	68.06	140	P	33	30.20	-0.8							
	Z	19s	0.30um			4.4MsZ		0.8s	3.90nm				4.6mb							
			e	32	36.90	20km	WB2	68.06	140	iPd	33	30.00	-1.0							

faulting with a moderate normal component. The preferred fault plane is not determined.

MOMENT TENSOR SOLUTION

Dep 61 No. of sta: 20
Moment Tensor; Scale 10**18 Nm
Mrr=-0.31 Mtt=1.34
Mff=-1.03 Mrt=1.93
Mrf=0.81 Mtf=-0.61

Principal axes:

T Val= 2.62 Plg=33 Azm= 1
N -0.26 31 248
P -2.36 41 126

Best Double Couple:Mo=2.5*10**18
NP1:Strike=148 Dip=31 Slip=-9
NP2: 245 86 -121

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 51S, **C

Centroid Location:

Origin Time 21:39:43.1 0.2

Lat 9.42S 0.01 Lon 122.39E 0.02

Dep 62.5 1.4 Half-duration 3.1

Moment Tensor; Scale 10**18 Nm

Mrr=-0.66 0.03 Mtt= 2.09 0.04

Mff=-1.42 0.06 Mrt= 1.32 0.04

Mrf= 0.49 0.03 Mtf=-0.40 0.04

Principal Axes:

T Val= 2.63 Plg=22 Azm= 3
N -0.70 47 248
P -1.93 35 109

Best Double Couple:Mo=2.3*10**18
NP1:Strike=141 Dip=48 Slip=-11
NP2: 239 81 -138

MKS	5.28	325	iPd	40	57.10	4.5X
BUNI	6.27	339	P	41	10.00	3.5X
TANI	6.85	333	P	41	18.80	4.1X
KHKI	6.94	279	ePd	41	16.50	0.6
			e	58	50.20	
THRI	7.00	279	P	41	17.60	0.7
INGI	7.33	275	P	41	22.00	0.6
JEHI	7.38	281	P	41	24.00	1.9
RANI	7.57	278	P	41	26.40	1.6
KELI	8.05	279	P	41	31.60	0.0
AAI	8.11	44	eP	41	44.00	11.7X
			eS	42	12.00	
SRDI	8.35	277	P	41	32.80	-2.9X
KNA	8.65	136	eP	41	35.60	-4.1X
SLKI	8.81	80	iPd	41	05.30	-36.7X
MTN	9.04	112	eP	41	42.00	-3.2X
			e	41	44.70	
TLE	10.86	70	ePc	42	08.70	-1.4
			eS	42	10.20	
MNI	11.18	12	P	42	20.50	5.9X
TNE	11.36	25	eP	42	20.50	3.5X
MBL	11.81	192	eP	42	28.50	5.4X
TSM	14.53	341	ePc	43	05.00	5.8X
NANU	14.56	207	eP	42	55.00	-4.4X
			e	42	58.00	
LEM	15.01	279	iPd	43	04.50	-1.0
	2.0s	5294.12nm				6.5mb
			iS	46	06.00	
			eLR	48	59.50	
SINI	15.09	279	P	43	06.80	0.3
WRA	15.38	133	P	43	04.00	-6.2X
WB2	15.39	133	iPd	43	03.80	-6.5X
			eS	45	45.30	
PACI	15.74	280	P	43	14.40	-0.6
KALI	15.89	278	P	43	17.20	0.3
PULI	16.70	280	P	43	28.10	0.8
KKM	16.74	338	ePc	43	24.90	-2.8
CTB	16.74	6	iPc	43	37.00	9.4X
			iS	45	58.00	
DAV	16.82	11	eP-	43	33.60	4.9X
			e	46	46.00	
PASI	17.01	278	P	43	29.00	-2.0
MEEK	17.38	192	eP	43	34.00	-1.6
PENI	17.66	282	P	43	39.60	0.5
ASPA	17.74	144	iPd	43	37.60	-2.5
			e	43	40.70	
			eS	46	42.70	
CGP	18.04	7	iPc	43	48.00	4.2X
BIP	18.06	12	ePd	43	47.00	2.9
			eS	47	10.00	

YOMI	19.19	70	P	43	56.60	-1.3
PPR	19.59	349	iPd	44	04.50	2.1
QIS	19.76	126	eP	44	02.30	-1.9
			eS	47	34.00	
MAP	19.82	4	iPd	44	08.00	3.2X
MRWA	20.48	197	iPc	44	09.20	-2.5
			i	44	11.30	
			eS	47	42.00	
PLP	20.74	7	ePc	44	14.70	0.2
MNDI	21.20	82	eP	44	24.00	4.6X
COOL	21.25	183	eP	44	16.10	-3.4X
	0.5s	146.00nm				5.6mb
BAL	21.62	194	eP	44	21.10	-2.2
			e	44	24.00	
			eS	48	11.00	
FORT	21.72	167	eP	44	22.00	-2.3
	0.6s	227.00nm				5.8mb
			e	44	24.40	
WWKK	21.76	76	eP	44	24.00	-0.9
KGM	22.33	300	ePc	44	31.40	1.0
	0.6s	401.50nm				6.0mb
			e	45	06.00	
KLB	22.36	191	eP	44	28.40	-2.2
	0.4s	102.00nm				5.6mb
			e	44	33.00	
			eS	48	26.00	
MUN	23.05	194	eP	44	35.00	-2.4
	1.0s	860.00nm				6.2mb
Z	20s	35.30um				5.8msz
			eS	48	44.00	
GQP	23.32	360	ePc	44	42.00	1.9
MDG	23.45	81	eP	44	42.20	0.8
NWAO	23.75	191	eP	44	43.30	-0.9
	0.5s	126.00nm				5.7mb
			eS	49	00.00	
QVP	24.08	356	eP	44	50.00	2.5
			eS	49	18.00	
CTA	25.17	117	P	44	59.40	1.4
	1.0s	908.70nm				6.3mb
RKG	25.39	191	eP	45	00.50	0.6
			iS	49	42.00	
IPM	25.63	302	ePd	45	01.60	-0.7
BAG	25.89	356	ePc+	45	04.00	-0.9
			e	49	00.00	
BCP	25.89	356	eP	45	08.00	3.1X
AEKI	26.64	295	P	45	12.00	0.2
CVP	27.11	359	eP	45	16.00	0.1
SNG	27.45	307	eP	45	19.00	0.0
	1.0s	190.00nm				5.7mb
			eS	49	50.80	
PIP	27.78	356	iPc	45	07.00	-15.0X
STK	28.38	144	iPd	45	25.10	-2.2
	1.0s	101.30nm				5.5mb
			e	45	27.70	
			e	45	55.40	
			eS	50	48.20	
KVG	28.95	78	eP	45	31.80	-0.8
ADE	29.29	152	eP	45	35.70	0.2
RAB	29.89	82	eP	45	42.00	0.9
			iS	49	38.00	
QIZ	31.05	336	P	45	49.30	-1.9
	0.8s	60.00nm				5.4mb
N	14s	10.90um				
			S	50	48.50	
			SS	51	08.00	
NNT	31.58	314	iPd	45	55.50	-0.4
PCT	31.92	319	eP	46	00.00	1.1
GUA	31.95	44	eP	45	58.40	-0.8
	1.3s	615.38nm				6.3mb
GUMO	31.95	44	eP	46	00.10	0.9
	1.2s	700.69nm				6.4mb
PJG	31.95	44	e(P)	46	00.20	1.0
HKC	32.72	346	eP	46	04.20	-1.5
NST	33.48	318	iPd	46	13.00	0.5
BRS	33.58	126	iPd-	46	12.50	-0.8
	0.5s	80.00nm				5.9mb
			i	46	20.00	
			ePP	47	00.00	
			i	47	17.00	
			i	47	46.00	
			i	50	28.40	
			eS	51	21.00	
			eSS	53	09.00	
			e	57	20.00	
GZH	33.68	345	Pc	46	14.70	0.6
	0.8s	69.00nm				5.6mb
Z	32s	22.60um				5.7mszX

N	11s	6.41um				
E	11s	3.78um				
LOE	33.78	322	eP	46	14.70	-0.4
KHT	33.89	315	iPd	46	16.00	-0.1
BWA	34.27	140	eP	46	21.90	2.7
			i	46	23.80	
QZH	34.52	354	Pc	46	20.00	-1.3
	0.9s	90.00nm				5.7mb
Z	20s	8.72um				5.5msz
N	20s	4.50um				
			S	51	40.00	
			sS	52	00.00	
TOO	34.73	147	iPc	46	23.00	-0.1
	0.7s	239.00nm				6.2mb
CAN	35.21	141	eP	46	28.50	1.2
			i	46	29.80	
BDT	35.36	319	eP	46	27.00	-1.6
	0.8s	218.00nm				6.1mb
CNB	35.43	140	eP	46	26.10	-3.1X
	1.0s	140.00nm				5.8mb
RIV	35.69	137	eP	46	33.90	2.6
	0.8s	*****nm				7.8mb X
Z	17s	0.20um				4.0mszX
			iS	52	10.00	
CHTO	36.56	320	eP	46	38.20	-0.6
	1.0s	87.50nm				5.6mb
			eS	52	14.80	
HNR	36.89	93	eP+	46	44.00	2.3X
			eS	52	20.00	
GYA	38.99	337	iPc	46	59.00	-0.2
	1.0s	53.00nm				5.3mb
Z	28s	19.60um				5.8mszX
N	13s	4.39um				
E	13s	2.61um				
			PP	48	34.00	
			PcP	49	05.00	
			ScS	57	03.00	
KMI	39.51	331	Pc	47	04.00	0.3
	1.0s	100.00nm				5.5mb
Z	28s	35.50um				6.1mszX
N	16s	7.50um				
E	16s	4.00um				
			pP	47	10.00	20kmX
			S	52	56.00	
SSE	40.45	358	Pc	47	10.00	-1.0
	1.0s	32.00nm				5.0mb
Z	20s	7.30um				5.5msz
N	16s	4.50um				
E	16s	4.20um				
			PP	48	44.00	
			SS	56	10.00	
WHN	40.65	349	iPc	47	13.60	0.9
	1.0s	100.00nm				5.5mb
Z	40s	24.20um				5.8mszX
E	17s	1.25um				
NJ2	41.53	355	Pc	47	20.20	0.3
	1.1s	120.00nm				5.5mb
Z	24s	8.46um				5.5mszX
N	19s	9.92um				
			ScP	53	02.00	
			S	53	29.00	
DZM	43.89	112	iPc	47	40.20	0.8
CD2	44.10	337	Pc	47	39.50	-1.4
Z	24s	18.30um				5.9mszX
E	15s	7.92um				
			iS	54	03.50	
			SS	57	20.00	
			iScS	57	34.50	
SHNJ	44.21	10	eP	47	43.70	2.0
TKSJ	44.67	14	eP	47	45.00	-0.5
SHK	44.90					

04d 21h

TSRJ	46.63	15	eP	47 57.70	-3.2X	Z	27s	5.16um	5.4MsZ					e(S)	59 00.00		
IIDJ	47.10	17	eP	48 05.10	0.3	N	26s	9.29um		KSH	65.13	322	P		50 14.00	0.0	
CHJJ	47.95	18	eP	48 09.80	-1.6	E	26s	9.77um			1.0s	100.00nm			5.9mb		
TIY	47.97	349	Pc	48 10.00	-1.6			ePP	50 45.00		Z	28s	19.20um		6.1MsZ		
	Z	22s	18.90um		6.0MsZ			eScP	53 50.00		N	18s	11.20um				
	N	16s	4.81um					eScS	58 32.00		E	16s	9.20um				
MTMJ	48.11	17	eP	48 10.30	-2.4	MMCZ	53.33	140	eP	48 51.50	-0.9			S	58 49.00		
MAJO	48.18	17	eP	48 11.27	-1.9	TLC	53.38	140	eP	48 52.50	-0.2			SS	03 06.00		
	0.9s	130.39nm			6.0mb	MHZ	53.46	140	eP	48 51.10	-2.1	FRU	68.01	324	iPc+	50 31.00	-1.2
		e		48 37.79		CMCZ	53.49	140	eP	48 52.90	-0.6		2.6s	200.00nm		5.8mb	
MAT	48.18	17	(P)	48 09.00	-4.2X	LRCZ	53.50	140	eP	48 52.00	-1.6			eS	59 20.00		
	1.3s	17.31nm			4.9mb	LSCZ	53.54	140	P	48 52.80	-1.0			e	00 18.00		
	Z	20s	6.03um		5.6MsZ	WVZ	53.56	137	eP	48 53.60	-0.2			e	03 44.00		
		eS	54 54.00			BWZ	53.61	139	eP	48 53.60	-0.6	PET	69.53	22	eP	50 42.00	0.7
DL2	48.23	359	eP	48 12.30	-1.1	WCZ	53.75	128	P	48 57.30	1.9		0.9s	100.00nm		5.9mb	
	Z	30s	12.90um		5.7MsZ	QRZ	53.94	134	eP	48 56.30	-0.4	Z	20s	4.00um		5.7MsZ	
	E	14s	3.59um				0.6s	332.00nm		6.5mb				eS	59 44.00		
KAKJ	48.47	19	eP	48 16.20	0.9	TUZ	54.08	141	eP	48 56.90	-0.7	MAW	69.91	201	P	50 44.00	0.6
LZH	48.71	340	Pc	48 17.50	0.1		0.6s	95.00nm		6.0mb		YAK	71.58	4	iPc+	50 50.40	-3.1X
	2.0s	200.00nm			5.8mb	MDJ	54.31	6	eP	48 58.00	-1.3		0.9s	465.00nm		6.5mb	
	Z	26s	23.10um		6.1MsZ		1.1s	140.00nm		5.9mb		Z	20s	4.40um		5.7MsZ	
	N	17s	10.30um			Z	40s	21.60um		5.9MsZ		N	20s	2.30um			
		pP	48 31.00		50kmX			eS	56 28.00		E	20s	1.40um				
		PP	50 10.00			ODZ	54.32	139	eP	48 59.00	-0.4			i	51 16.00		
		iS	55 10.00			LTZ	54.48	136	eP	48 59.80	-0.9			ePPP	55 13.00		
NIIJ	49.06	17	eP	48 19.70	-0.2	THZ	54.54	135	eP	48 59.80	-1.4			iS	00 03.00		
LSA	49.37	323	Pc	48 22.40	-0.6	MOZ	54.84	131	P	49 05.10	1.7			e	00 29.00		
	Z	26s	30.70um		6.2MsZ	DIW	54.92	134	eP	49 02.80	-1.2			i	00 47.00		
	N	10s	1.12um			KUZ	55.04	128	eP	49 04.30	-0.5	SMY	76.02	29	eP	51 22.36	2.9X
		S	55 22.00			MQZ	55.09	137	eP	49 05.80	0.7		1.2s	516.31nm		6.4mb	
BJI	49.71	354	eP	48 24.00	-0.8	KHZ	55.21	136	eP	49 05.80	-0.2		Z	20s	4.69um	5.8MsZ	
	1.5s	230.00nm			6.0mb	WLZ	55.25	130	eP	49 08.10	1.7	ASH	76.20	313	eP	51 20.00	-0.9
	Z	24s	9.90um		5.7MsZ	POO	55.55	300	iPc	49 12.00	3.2X			e	54 13.00		
	N	16s	3.46um				1.0s	60.00nm		5.6mb				S	00 57.00		
YAMJ	50.23	18	eP	48 30.00	1.1	MRW	55.62	134	P	49 06.70	-2.3			e	01 19.00		
GBA	50.33	297	P	48 23.00	-6.9X	NGZ	55.63	131	eP	49 08.90	-0.4			e	01 29.00		
HYB	51.06	302	ePc	48 32.50	-3.1X	SNZO	55.65	134	P	49 08.50	-0.7			e	01 32.00		
	0.9s	274.90nm			6.2mb			eS	57 22.00					PS	01 38.00		
		e	48 56.80			CAW	55.84	134	eP	49 08.30	-2.3			eSS	05 44.00		
		iS	55 39.50			MNG	55.98	133	P	49 09.60	-2.0	SHI	77.74	303	iP	51 28.50	-1.3
SNY	51.15	1	Pc	48 34.00	-1.7	KUSJ	56.19	19	eP	49 12.70	-0.2	ADK	80.29	33	(P)	51 46.52	3.6X
	Z	40s	26.50um		6.0MsZ	ASAJ	56.47	17	eP	49 14.70	-0.2		1.2s	515.15nm		6.4mb	
	N	16s	3.96um			URZ	56.51	130	eP	49 15.30	-0.1	SPA	80.49	180	iPd	51 42.60	-1.4
	E	14s	2.03um			PAHZ	56.63	130	eP	49 15.00	-1.3		0.6s	342.28nm		6.5mb	
HHC	51.18	349	Pc	48 35.00	-1.2	CSY	57.24	186	eP	49 17.20	-2.9X		Z	20s	19.01um	6.4MsZ	
	1.2s	49.00nm			5.3mb		0.7s	67.50nm		5.8mb				i	01 46.70		
	Z	26s	18.40um		6.0MsZ	HBZ	57.25	129	eP	49 19.30	-1.4	TIK	81.14	2	iPc+	51 47.00	0.0
	N	24s	10.80um			NOZ	57.30	130	eP	49 21.40	0.4		2.0s	123.00nm		5.6mb	
	E	18s	4.45um			NDI	57.96	313	iPc	49 21.80	-3.9X			iS	01 48.00		
		S	55 48.00				0.6s	126.67nm		6.2mb				ePS	02 26.00		
BTO	51.24	348	iPd	48 35.00	-1.6			e	57 11.00		ARO	81.93	283	eP+	51 54.50	2.1	
	1.4s	32.00nm			5.1mb	DRV	58.25	172	iP	49 28.90	1.7	BAK	83.20	313	iPc	52 00.00	1.6
	N	16s	3.24um					S	57 30.00			Z	20s	9.75um		6.2MsZ	
	E	15s	1.87um					SS	01 30.00			N	16s	2.69um			
		S	55 44.00			PAF	58.72	217	iP	49 38.00	7.3X			iS	02 13.00		
GUN	51.44	318	Pc	48 37.20	-1.5			eS	57 57.00		SVE	83.25	331	iPc+	51 56.00	-2.2	
OFUJ	51.57	19	eP	48 39.60	0.5	KUR	59.14	21	eP	49 33.00	-0.6			e	55 08.00		
DMN	51.76	317	Pc	48 39.20	-1.8		1.2s	320.00nm		6.3mb				iS	02 06.00		
KKN	51.76	317	Pc	48 39.20	-1.8		Z	20s	5.70um	5.7MsZ				ePS	03 02.00		
MSZ	52.42	140	eP	48 47.10	1.7		N	20s	6.30um		KER	83.53	306	eP	52 00.00	-0.4	
		e	49 56.50				E	20s	5.70um		HON	83.78	67	P-	52 11.03	9.4X	
AOMJ	52.53	17	eP	48 49.90	3.6X			eS	57 34.50			Z	20s	2.21um		5.5MsZ	
LMZ	52.86	139	eP	48 49.10	0.4	YSS	59.14	16	iPc+	49 32.50	-1.2			S	02 44.99		
	0.6s	131.00nm			6.1mb		1.0s	120.00nm		6.0mb	ARU	84.05	330	ePc+	52 01.00	-1.3	
OUZ	52.97	127	eP	48 51.40	1.8			e	50 27.00			1.5s	80.00nm		5.7mb		
GTA	53.10	338	eP	48 49.00	-1.7			iS	57 32.00					e	52 11.00		
	1.5s	72.00nm			5.4mb	WMQ	61.84	332	P	49 51.70	-0.5			e	55 10.00		
	Z	26s	21.60um		6.1MsZ		1.0s	170.00nm		6.1mb				eS	02 14.00		
	N	12s	1.56um				Z	24s	5.44um	5.6MsZ				ePS	03 13.00		
		pP	49 04.00		56kmX		N	10s	4.06um					eSS	07 40.00		
		sP	49 10.00					pP	50 01.70	33kmX	TAB	85.17	310	iP+	52 09.00	0.5	
		PcP	50 03.00					PP	52 09.00		AAE	85.41	280	eP	52 14.00	3.6X	
		PP	50 50.00					S	58 10.00		MHA	85.46	69	eP	52 13.88	3.8X	
		ScP	53 51.00					ScS	59 30.00		NAI	85.57	269	iPc	52 13.90	2.7	
		PcS	53 52.00			ZAK	62.02	346	iPc	49 51.80	-1.4		1.0s	9184.00nm		8.0mb X	
		S	56 08.00				1.3s	97.00nm		5.8mb		Z	24s	2.71um		5.6MsZ	
		sS	56 30.00					eS	58 12.00				PKKP	02 46.00			
		ScS	58 36.00			IRK	63.55	348	eP	50 00.50	-2.9	GRO	87.09	315	iPc+	52 17.50	-0.2
VLA	53.13	9	iPc	48 46.50	-4.1X		1.7s	113.00nm		5.7mb			1.0s	110.00nm		6.0mb	
	1.7s	403.00nm			6.1mb		Z	24s	6.84um	5.7MsZ		Z	20s	2.00um		5.5MsZ	
	Z	17s	1.50um		5.1MsZ		N	22s	5.04um			N	20s	5.00um			
	N	19s	2.50um				E	19s	2.25um			E	20s	3.50um			
		iPPP	51 56.00					e	50 33.00					i	55 36.00		
		iS	56 09.00					eS	58 24.00					i	02 38.00		
		iPS	56 31.00					e	59								

SONG	87.23	255	e(P)	52	22.60	3.6X					i	53	05.00			0.9s	0.76nm		
MTA	87.28	313	iPc+	52	00.00	-18.6X					iPS	03	25.00				e	57	34.10
	1.0s		210.00nm								iPPS	05	24.00				e	57	37.40
ILT	87.67	19	iP	52	22.00	2.0					iSS	10	24.00				e	58	02.50
	2.0s		73.00nm			5.6mb			SIM	95.56	315	eP	52	56.00	-1.1		ePKP	58	05.90
Z	20s		1.90um			5.5Msz			Z	26s		5.00um			5.9MszX		e	58	08.50
N	24s		1.70um									e	03	28.00			e	58	11.80
E	20s		1.60um									eS	04	00.00			e	58	14.60
			iS	02	40.00							ePS	05	28.00			e	58	23.50
			iPS	04	00.00							eSS	10	24.00			e	58	27.90
			iSS	08	44.00				RSO	95.65	30	(P)	52	56.55	-0.9		eSKP	01	32.70
			iSSS	12	08.00				CER	95.66	235	eP	52	55.00	-2.9X		PKKP3	09	08.50
NVL	87.69	198	eP	52	19.00	-1.1				1.0s		128.00nm			6.3mb		PKKP2	09	21.30
	1.0s		104.00nm			6.1mb			CP2	96.03	29	eP	52	58.43	-0.7		ePKP	58	04.50
Z	17s		6.00um			6.1MszX			CRP	96.07	29	(P)	53	00.10	0.8				
N	17s		1.50um									e	53	09.38					
E	17s		5.00um						POF	96.13	239	e(P)	53	04.00	3.9X				
			ipP	52	44.00	93kmX				0.4s		7.00nm			5.5mb				
			ePP	55	48.00				IMA	96.16	24	eP	53	01.00	1.4				
			ePPP	57	44.00					0.9s		14.00nm			5.4mb				
			eSKS	02	40.00				IMA	96.16	24	eP	52	57.66	-1.9				
			iS	02	59.00					0.9s		7.63nm			5.2mb				
			eSS	03	30.00				SLKM	96.90	30	eP	53	02.50	-0.4				
			ePS	03	58.00				PMS	97.31	29	eP	53	05.50	0.8				
			eSS	08	13.00				PMR	97.55	29	eP	53	05.23	-0.5				
			eSSS	11	50.00					1.2s		16.61nm			5.4mb				
MTD	88.18	253	eP	52	09.90	-13.7X			Z	21s		1.40um			5.4Msz				
PYA	89.11	315	eP	52	27.00	-0.4						SKS	03	39.04					
			i	52	42.00				FBA	98.46	26	eP	53	07.06	-2.7				
			iS	02	48.00					0.6s		3.35nm			5.0mb				
KIV	89.35	315	iPc	52	29.60	1.0			KLU	99.08	29	(P)	53	14.50	1.8				
	3.6s		364.00nm			6.1mb X			CIN	99.27	307	eP	53	15.00	1.0				
			e	02	53.00				PUL	99.31	329	(P)	53	12.00	-1.6				
			iS	02	53.00							e	53	20.00					
SLR	89.69	244	eP	52	29.20	-1.5						e	57	12.00					
	1.2s		90.00nm			5.9mb						e	03	45.00					
Z	22s		19.10um			6.5Msz						e	04	32.00					
GRM	89.74	236	iPc	52	33.00	2.3						e	06	00.00					
	1.0s		220.00nm			6.4mb						e	11	32.00					
SEK	89.79	241	iPc	52	32.10	0.9			KIS	99.41	316	eP	53	14.00	-0.4				
	0.8s		53.00nm			5.9mb			Z	24s		4.20um			5.9MszX				
BUL	90.39	250	eP	52	35.50	1.5			N	20s		1.70um							
SDN	90.49	34	eP	52	32.37	-1.1			E	24s		3.40um							
	0.8s		165.23nm			6.4mb						e	57	17.00					
BLF	90.88	240	eP	52	36.00	-0.2						i	03	46.00					
	0.8s		40.00nm			5.8mb			TLB	99.83	314	eP	53	30.00	13.6X				
KSR	90.89	244	iPc	52	36.50	0.2			MNK	100.58	323	ePdiff53	17.00		-2.6X				
	1.0s		70.00nm			6.0mb			Z	26s		5.40um			5.9MszX				
SOC	91.36	314	ePc	52	20.00	-17.8X						e	03	48.00					
			i	52	36.00							eS	04	40.00					
			e	03	03.00							ePS	06	12.00					
			eS	03	29.00							eSS	11	36.00					
			eSP	04	43.00				BALM	100.79	30	(Pdiff53	20.02		-0.6				
FRS	91.49	240	iPc	52	40.00	1.2			VRI	100.83	315	ePdiff53	18.50		-2.5X				
	0.9s		25.00nm			5.6mb			SDF	101.13	337	ePdiff53	19.00		-2.8X				
LSZ	91.65	254	iP	52	40.00	0.2			KAF	101.31	332	ePdiff53	20.40		-2.3X				
			i	52	46.80				MLR	101.36	315	ePdiff53	25.00		1.5				
GAZ	92.01	307	eP	52	41.90	1.0						e	15	52.00					
SNA	92.04	196	eP	52	42.00	1.5			NUR	102.15	330	ePdiff53	24.30		-2.1X				
	0.8s		33.00nm			5.8mb			LVV	102.72	319	ePdiff53	25.00		-4.3X				
BHL	92.69	304	P	52	42.00	-2.3						i	04	03.00					
			PP	56	12.00							ePS	06	41.00					
			SKS	03	12.00				INK	103.99	22	ePdiff53	33.50		-0.9				
ANN	93.32	315	eP	52	39.00	-7.7X				1.0s		2.00nm			4.9mb				
			i	03	13.00				UPP	105.70	330	iPdiff53	41.90		-0.3X				
			e	03	41.00				ZST	107.35	317	e(PKP)57	56.50		-2.2X				
KVT	93.58	311	iP	52	48.00	-0.1						e	09	18.00					
SVW	94.39	29	eP	52	54.16	2.8			HFS	107.60	330	ePdiff53	49.00		-1.7				
	0.9s		19.52nm			5.5mb				0.4s		1.70nm			5.4mb				
			ePP	56	45.03				Z	19s		3.97um			6.0Msz				
TTA	94.58	27	ePd	52	52.13	-0.2						LR	45	17.00					
	0.9s		12.05nm			5.3mb			VKA	107.87	318	ePKP	58	06.00	6.3X				
MOS	94.97	326	iPc	52	53.00	-1.1			NB2	108.59	331	Pdiff	53	53.40	-1.8				
	1.8s		40.00nm			5.5mb				1.2s		3.80nm			5.5mb				
Z	25s		7.20um			6.0MszX			PRU	108.83	320	ePKP	58	00.00	-1.5				
N	24s		3.80um						Z	23s		3.60um			5.9MszX				
E	24s		7.70um						N	19s		2.50um							
			e	56	42.00				E	22s		3.50um							
			ePPP	58	43.00							ePP	58	29.00					
			i	03	23.00							SKS	04	29.90					
			iS	03	55.00							eSDIF	05	52.00					
			ePS	05	14.00							SP	07	41.10					
			eSS	10	26.00							PKKP	09	12.00					
KDC	95.34	32	(P)	53	00.35	4.6X						e	09	45.00					
	1.4s		30.04nm			5.5mb						SKKS	16	35.50					
OBN	95.45	325	iPc	52	55.00	-1.3			VBY	108.87	315	e(PKP)58	03.00		1.3				
	1.1s		39.00nm			5.8mb			GEC2	109.53	318	ePdiff54	01.80		2.1				

04d 21h

CMB	117.13	52	PKP	58	17.81	0.0
Z	21s		2.84um			5.8MsZ
			PP	59	32.79	
			PKPK	09	07.13	
BGF	117.17	318	ePKP	58	16.70	-0.8
	0.8s					
MAF	117.44	317	ePKP	58	17.60	-0.4
	1.1s					
PHAM	117.45	55	ePKP	58	21.31	2.9X
TCF	117.66	317	ePKP	58	18.10	-0.4
	0.9s					
AKU	117.78	343	ePKP	58	20.30	2.3X
	1.0s					
BCH	117.80	55	ePKP	58	21.09	1.9
LSF	118.13	318	ePKP	58	19.70	0.4
	1.0s					
CAF	118.13	316	ePKP	58	18.80	-0.6
	0.9s					
MEMM	118.32	52	PKP	58	37.00	17.1X
MEMM	118.32	52	(PKP)	58	23.31	3.4X
RJF	118.40	317	ePKP	58	19.80	-0.1
	0.8s					
Z	23s		2.72um			5.8MsZx
LDF	118.48	321	ePKP	58	19.30	-0.6
	0.8s					
FLN	118.64	321	ePKP	58	19.60	-0.6
	0.7s					
Z	23s		4.25um			6.0MsZx
BONR	118.76	52	ePKP	58	20.72	-0.5
LPO	118.80	316	ePKP	58	20.50	-0.1
	1.2s					
GRR	119.01	320	ePKP	58	20.30	-0.6
	0.5s					
ISA	119.03	55	ePKP	58	23.01	1.5
Z	24s		3.73um			5.9MsZx
			PP	59	51.06	
			PKPK	09	22.53	
LFF	119.03	316	ePKP	58	21.00	-0.1
	1.0s					
MFF	119.13	318	ePKP	58	20.70	-0.5
	0.9s					
LPF	119.24	320	ePKP	58	21.00	-0.3
	0.5s					
TNP	119.58	52	ePKP	58	24.41	1.8
EPF	119.84	314	ePKP	58	23.60	0.8
	0.8s					
SSK	119.89	56	ePKP	58	24.82	1.5
DLF	120.34	327	ePKP	58	27.00	3.7X
PEC	120.38	56	PKP	58	25.30	1.2
PEC	120.38	56	ePKP	58	20.98	-3.1X
GSC	120.43	55	ePKP	58	25.76	1.6
ETA	120.44	327	ePKP	58	32.60	9.1X
DCN	120.72	328	ePKP	58	26.00	2.0
			e	08	31.00	
ECP	120.76	326	ePKP	58	33.70	9.6X
LRM	120.92	42	ePKP	58	23.60	-1.4
ECHE	121.70	311	ePKP	58	27.79	1.4
HHAI	121.79	45	ePKP	58	29.03	2.5X
PTI	121.93	45	ePKP	58	28.94	2.0
ECRI	121.97	315	ePKP	58	28.31	1.5
HVU	121.97	46	ePKP	58	28.94	1.9
ETOR	122.17	312	ePKP	58	27.90	0.6
DUG	122.40	48	ePKP	58	28.26	0.4
Z	20s		1.01um			5.5MsZ
GLA	122.44	57	ePKP	58	29.58	1.6
ARUT	122.55	51	ePKP	58	31.21	3.0X
EVIA	123.10	310	ePKP	58	30.04	0.9
ENIJ	123.30	308	ePKP	58	30.28	0.8
MSU	123.33	50	ePKP	58	31.64	1.8
DAU	123.48	48	ePKP	58	31.75	1.6
GUD	123.74	313	ePKP	58	32.15	1.7
BW06	123.92	44	ePKP	58	29.23	-1.6
EMUT	123.98	48	ePKP	58	32.75	1.7
EBAN	124.20	310	ePKP	58	32.09	0.8
PAB	124.22	312	ePKP	58	32.00	0.7

EJIF	125.96	308	ePKP	58	32.59	-2.1X
STS	126.04	317	ePKP	58	36.63	2.0
BIT	126.39	307	ePKP	58	37.00	1.5
EVAL	126.61	310	ePKP	58	35.50	-0.4
TSY	126.65	307	ePKP	58	39.00	3.0X
RSSD	127.08	41	ePKP	58	37.58	0.7
	Z 21s		1.99um			5.8msz
KIC	127.72	271	PKP	58	38.51	-0.2
	1.1s		107.00nm			
GOL	127.97	47	ePKP	58	40.02	1.2
	Z 21s		1.31um			5.6msz
LIC	127.99	270	PKP	58	38.87	-0.3
	0.6s		49.50nm			
	Z 20s		129.27um			7.6mszX
TIC	128.03	271	PKP	58	39.01	-0.3
	0.7s		50.50nm			
GLD	128.06	46	ePKP	58	40.41	1.5
	Z 21s		3.31um			6.0msz
ALQ	128.75	53	ePKP	58	42.40	2.1
	Z 22s		0.33um			5.0msz
			eSKP	01	57.68	
CIA	129.92	303	ePKP	58	42.00	-0.3
MXZ	131.35	68	(PKP)	58	44.00	-1.3
LTX	132.58	59	ePKP	58	37.98	-9.7X
ACO	133.66	48	iPKPd	58	49.50	0.1
RFA	134.69	167	ePKPc	58	40.00	-11.5X
MEO	134.86	50	iPKPd	58	45.40	-6.3X
OCO	135.38	48	iPKPd	58	55.70	3.0X
KDS	135.52	278	ePKP	58	55.00	1.6
PEL	135.70	164	ePKP+	58	43.00	-10.4X
TUL	136.44	47	iPKP	58	56.70	2.1
CFA	137.78	166	e(PKP)	58	47.00	-10.4X
UYO	138.21	48	iPKPc	58	57.70	-0.3
SLM	138.78	40	PKP	59	10.00	11.1X
	Z 20s		1.71um			5.8msz
RTRS	138.84	164	e(PKP)	58	52.00	-7.2X
FVM	139.04	41	ePKP	58	59.77	0.4
	Z 20s		7.28um			6.4msz
			eSKP	02	28.18	
PPM	139.11	72	(PKP)	59	03.50	2.8X
ELC	140.22	41	PKP	58	50.90	-10.6X
ELC	140.22	41	(PKP)	58	56.54	-5.0X
			iSKP	02	32.62	
ELF	140.57	28	PKP	58	58.80	-3.2X
OXX	141.14	75	(PKP)	59	01.50	-2.5X
CBM	141.68	12	PKP	59	10.00	6.1X
	Z 21s		1.88um			5.8msz
RSNY	142.15	20	ePKP	59	02.85	-2.0X
	Z 21s		1.76um			5.8msz
YSNY	142.38	26	ePKP	59	01.84	-3.5X
	Z 20s		1.66um			5.8msz
			iSKP	02	37.98	
MIM	143.08	14	PKP	59	06.00	-0.3
BNH	143.13	16	ePKP	59	05.50	-1.0
LEBH	143.25	17	ePKP	59	07.42	0.7
	Z 21s		1.64um			5.8msz
LMN	143.30	9	ePKP	59	02.50	-4.2X
BINY	143.66	23	ePKP	59	05.26	-2.2X
	Z 19s		1.82um			5.9msz
			iSKP	02	41.27	
EMM	143.91	12	ePKP	59	05.23	-2.5X
MCWV	144.00	30	PKP	59	20.00	11.9X
	Z 19s		1.66um			5.8msz
GBTN	144.40	39	ePKP	59	09.41	0.5
MYNC	144.83	40	ePKP	59	08.86	-0.8
	Z 20s		1.17um			5.7msz
			eSKP	02	44.53	
HRV	144.94	18	PKP+	59	11.06	1.5
RSTA	145.01	193	ePKP	59	11.00	0.8
			e	59	11.90	
			e	02	49.30	
LSCT	145.13	21	ePKP	59	06.52	-3.4X
	Z 21s		2.25um			

HJA	146.51	167	iPKPc	59	14.80	2.1
PRM	146.58	39	ePKP	59	14.55	2.0
JSC	147.13	38	ePKP	59	14.79	1.4
CACB	147.20	199	ePKP	59	16.80	2.7X
			e	59	18.70	
			e	59	37.30	
			e	59	58.50	
CEH	147.24	34	PKP	59	20.00	6.4X
Z	21s		0.45um			5.2MsZ
LHS	147.27	37	ePKP	59	15.06	1.4
YJA	147.49	166	ePKPc	59	17.50	2.5X
PPD	148.02	191	ePKP	59	17.80	2.6X
			e	59	20.60	
SGS	148.32	39	ePKP	59	17.70	2.3X
HBf	148.58	39	ePKP	59	20.86	5.1X
NNA	151.20	138	iPKPd	59	22.50	2.2
	0.6s		80.00nm			
CNCB	151.80	158	PKP	59	23.00	1.2
CCH	151.88	162	PKP	59	24.00	2.4X
LPB	152.01	158	PKP	59	25.50	3.5X
	1.1s		405.06nm			
			LR	52	26.00	
LPaz	152.23	158	PKP	59	24.70	2.2
			LR	52	29.00	
BAO	153.25	201	ePKP	59	26.10	2.8X
			i	59	32.40	
			e	59	42.20	
			e	00	27.70	
			e	01	04.90	
SIV	154.35	172	PKP	59	23.40	-1.3
SOB1	155.09	222	ePKP	59	28.00	2.2X
			e	59	39.00	
			e	59	51.80	
PSO	158.57	112	ePKP	59	35.00	4.3X
SDV	166.99	92	ePKP	59	37.80	-0.6
TOV	167.85	88	ePKP	59	39.80	0.9
CAR	170.64	83	ePKP	59	52.00	11.5X
TRN	175.98	74	ePKP	59	44.76	2.5X
	S.D. = 1.3 on 319 of 441 obs.					

%	SEP	04,	1993	21h	42m	43.69± 0.76s
	39.437	N ±	5.8km			27.917 E ± 7.6km
	DEPTH = 10.0km (geophysicist)					
	TURKEY (366)					
	ML 2.8 (ISK).					
EDC	0.91	357	iPg	43	01.00	-0.1
			eSg	43	13.00	
BNT	0.92	0	iPg	43	01.20	0.0
KGT	1.12	335	iPg	43	04.70	0.1
			iSg	43	19.70	
IZM	1.16	206	iPn	43	05.20	-0.1
EZN	1.29	288	iPn	43	07.80	0.2
MFT	1.43	340	ePn	43	09.70	-0.1
IZI	1.50	53	ePn	43	11.00	0.3
CTT	1.75	13	ePn	43	14.00	-0.3
	S.D. = 0.2 on 8 of 8 obs.					

	SEP	04,	1993	22h	06m	51.88± 0.22s
	37.209	N ±	4.6km			94.525 E ± 3.1km
	DEPTH = 16.8km (4 depth phases)					
	5.0mb (48 obs.)					
	QINGHAI, CHINA (325)					
	ML 5.1 (BJI).					
GTA	4.70	61	Pn	08	05.50	1.6
LZH	7.58	96	ePn	08	45.00	0.6
Z	20s		8.20um			
E	10s		4.59um			
			Pg	09	11.00	
WMQ	8.40	324	P	08	55.00	-0.8
			S	10	29.20	
CD2	9.90	127	eP	09	20.60	4.1X
GUN	1					

FRU	16.24	296	eP	10	40.00	-0.8	1.8s	40.00nm	4.2mb
IRK	16.56	21	eP	10	46.00	1.3	1.5s	18.00nm	4.0mb X
BJI	17.15	74	eP	10	53.50	1.3	1.6s	54.00nm	4.4mb
WHN	17.74	106	eP	11	00.00	0.4	pP	11 04.80	
CIT	19.99	36	eP	11	26.00	-0.2	22.85	98 P	11 54.00 -1.3
SSE	1.0s	32.00nm	4.8mb						
CN2	24.32	65	eP	12	09.10	-0.4	0.8s	6.70nm	4.3mb
			epP	12	14.00	17km			
			eS	16	23.00				
MAIO	27.99	279	eP	12	46.00	2.2			
SAVE	29.84	322	eP	13	00.00	-0.1	e	14 00.00	313kmX
ARU	30.69	320	iPc	13	08.00	0.4	1.0s	60.00nm	5.4mb
GRO	37.33	295	iPc	14	06.00	1.1	1.0s	60.00nm	5.3mb
ERE	38.74	290	eP	14	19.00	2.0			
KIV	39.40	297	eP	14	25.80	3.4X	0.8s	21.00nm	4.9mb
MOS	42.00	315	iPc	14	45.00	1.6	1.8s	190.00nm	5.5mb
OBN	42.57	314	iPc	14	49.00	0.8	47.88	324 iP	15 29.80 -0.7
KAF	0.8s	6.90nm	4.8mb						
SDF	47.91	331	eP	15	31.00	0.3			
NUR	48.76	322	eP	15	37.00	-0.3			
URI	50.09	303	ePd	15	47.50	-0.3			
UPP	52.33	322	iP	16	04.50	0.0			
HFS	54.20	322	eP	16	17.60	-0.7	0.9s	15.00nm	5.0mb
NB2	55.16	324	P	16	24.50	-1.0	0.8s	9.30nm	4.9mb
BRG	56.73	312	iP	16	37.30	0.5	1.3s	11.00nm	4.7mb
CLL	57.14	312	iPc	16	39.40	-0.3	1.2s	19.00nm	5.0mb
GEC2	57.58	309	ePc	16	42.90	-0.1	e	16 48.70	19km
MOX	58.19	312	eP	16	47.30	0.2	1.4s	17.00nm	4.9mb
GRF	58.78	311	iPc	16	52.30	1.1	1.0s	19.00nm	5.2mb
WTS	60.47	315	eP	17	03.50	0.8	0.7s	9.60nm	5.0mb
ENN	61.48	314	eP	17	10.00	0.3	0.9s	10.40nm	5.0mb
CDF	61.67	311	eP	17	10.60	-0.6	1.1s	12.20nm	5.0mb
WLF	61.81	313	P	17	13.00	1.1			
BSF	62.21	310	eP	17	14.20	-0.6	1.0s	13.40nm	5.1mb
HAU	62.41	311	eP	17	15.40	-0.6	1.0s	9.60nm	4.9mb
LPG	63.27	308	eP	17	22.30	0.3	0.9s	15.55nm	5.2mb
LPL	63.27	308	eP	17	22.10	0.1	1.0s	16.00nm	5.1mb
LOR	64.24	311	eP	17	27.00	-1.1	0.9s	6.20nm	4.8mb
LBF	64.30	311	eP	17	27.60	-0.9	1.0s	8.20nm	4.8mb
EKA	64.33	321	Pd	17	28.70	0.2	0.9s	11.60nm	5.0mb
SMF	64.54	310	eP	17	29.50	-0.5	1.0s	28.20nm	5.4mb
SSF	64.55	311	eP	17	29.20	-0.9	0.9s	5.90nm	4.7mb
AVF	64.77	311	eP	17	31.00	-0.5	1.0s	16.80nm	5.2mb
HYF	64.97	311	eP	17	32.70	-0.1			
BGF	65.19	311	eP	17	33.60	-0.6	1.0s	13.20nm	5.1mb
MAF	65.52	310	eP	17	36.40	0.1	1.0s	24.00nm	5.3mb
TCF	65.70	311	eP	17	37.40	-0.1	0.9s	19.50nm	5.3mb
LDF	65.96	314	eP	17	38.50	-0.6	1.0s	20.00nm	5.2mb
FLN	66.09	314	eP	17	39.30	-0.6	1.3s	30.35nm	5.3mb
CAF	66.46	309	eP	17	42.60	0.2			
GRR	1.4s	23.10nm	5.2mb						
	66.49	314	eP	17	41.90	-0.6	0.9s	21.80nm	5.3mb
RJF	66.61	310	eP	17	43.60	0.3	1.1s	16.10nm	5.1mb
SVW	66.75	30	eP	17	43.63	-0.4	0.9s	13.42nm	5.1mb
MPF	66.97	312	eP	17	45.10	-0.5			
	67.12	309	eP	17	46.70	0.1	1.0s	10.60nm	5.0mb
LPO	67.12	309	eP	17	46.70	0.1			
LFF	67.27	310	eP	17	47.70	0.2	0.9s	17.35nm	5.2mb
WRA	68.11	140	P	17	52.20	-0.8	0.8s	3.10nm	4.5mb
WB2	68.12	140	iPd	17	51.20	-1.9	0.9s	6.50nm	4.8mb
RSO	68.27	29	eP	17	53.10	-0.7			
INK	68.87	17	eP	17	56.50	-0.6	1.0s	4.00nm	4.5mb
KLU	70.16	26	eP	18	04.83	-0.4			
			e	18	09.49	15km			
ASPA	71.00	142	iPc	18	09.40	-1.3			
			e	18	14.40	16km			
BALM	71.72	25	eP	18	14.47	-0.3			
YKA	77.91	13	eP	18	48.80	-1.1	0.9s	3.00nm	4.4mb
NEW	90.36	21	ePd	19	54.00	0.7	0.9s	8.77nm	5.0mb
PPD	146.88	288	(PKP)	26	36.00	2.8X			
SIV	149.78	308	PKP	26	38.10	0.2			
LPZ	154.12	319	PKP	26	44.70	-0.3			
LPB	154.31	319	ePKP	26	50.00	5.0X			
CNCB	154.48	318	PKP	26	46.00	0.6			
			S.D. = 0.8	on	73 of 80 obs.				

% SEP 04, 1993	22h	23m	57.95±	0.66s					
	26.947 S ± 6.1km	26.772 E ± 7.2km							
	DEPTH = 5.0km	(geophysicist)							
	REPUBLIC OF SOUTH AFRICA	(584)							
	ML 2.9 (PRE).								
BFS	0.05	13	iPc	24	00.50	1.0			
			S	24	01.60				
PRY	0.63	88	eP	24	10.00	-0.5			
			S	24	17.20				
KSR	1.08	6	eP	24	17.20	-1.7			
			S	24	32.50				
SWZ	1.31	259	eP	24	23.40	0.6			
			S	24	39.80				
SEK	1.57	151	iPc	24	27.00	0.4			
			S	24	46.50				
SLR	1.81	49	iPc	24	31.20	1.0			
			S	24	53.00				
BLF	2.22	193	iPc	24	35.80	-0.2			
			S	25	04.00				
FRS	3.07	204	iPd	24	47.50	-0.5			
			S	25	20.70				
			S.D. = 1.1	on	8 of 8 obs.				

? SEP 04, 1993	22h	38m	48.77±	4.40s					
	15.554 N ± 10.4km	60.244 W ± 43.8km							
	DEPTH = 33.0km	(normal)							
	3.9mb (1 obs.)								
	NEAR COAST OF CHIAPAS, MEXICO	(69)							
TPX	0.90	38	iP	25	11.00	-0.6			
			iS	25	24.00				
IXG	2.32	90	iPc	25	31.88	-0.1			
			iS	26	06.22				
SCX	2.54	5	iP	25	35.50	0.5			
			eS	26	05.00				
YUP	2.95	89	ePc	25	41.29	0.3			
OXX	4.71	308	(P)	26	30.00	23.9X			
			(S)	27	04.50				
PPM	7.36	312	eP	26	43.50	-0.2			
YKA	50.65	347	eP	33	49.30	-3.8X			
	0.7s	0.90nm	3.9mb						
			S.D. = 0.6	on	5 of 7 obs.				

% SEP 05, 1993	01h	01m	53.82±	1.06s					
	32.778 S ± 12.4km	70.899 W ± 12.2km							
	DEPTH = 80.0km	(geophysicist)							
	CHILE-ARGENTINA BORDER REGION	(127)							
	MD 3.5 (SAN).								
ROCH	0.21	206	iPd	02	06.16	-0.1			
			iS	02	15.23				
JACH	0.28	70	iPd	02	06.34	0.1			

05d 01h

PEL	0.41	154	iS	02 16.53	
			iP+	02 07.14	0.1
			iS	02 16.70	
FCH	0.75	137	iPd	02 10.49	-0.1
			iS	02 23.25	
TACH	0.87	182	iP	02 11.52	-0.1
			iS	02 24.97	
LCCH	0.89	219	iPd	02 12.19	0.3
			iS	02 25.78	
PCH	0.90	159	iPd	02 11.57	-0.5
			iS	02 25.06	
LNv	1.25	200	iP+	02 15.70	-0.5
			iS	02 33.18	
CACH	1.36	169	iP	02 18.61	0.8
			iS	02 36.34	

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

* SEP 05, 1993 01h 27m 40.46± 0.93s
13.387 N ± 9.2km 145.458 E ±12.3km
DEPTH = 64.9 ± 8.1 km
4.4mb (9 obs.)

MARIANA ISLANDS (216)

GUA	0.55	286	iPd	27 53.50	0.0
GUMO	0.61	289	iPd	27 54.20	0.0
			e(S)	28 10.70	
PJG	0.61	289	iP	27 54.20	0.0
MAT	23.96	346	eP	32 49.00	-0.8
	1.0s	10.00nm			4.2mb
WB2	34.88	198	eP	34 27.20	-0.6
	0.8s	6.00nm			4.6mb
ASPA	38.52	197	eP	34 58.50	0.0
	1.5s	5.40nm			4.2mb
XAN	38.97	308	P	35 03.60	1.4
	0.8s	2.80nm			4.2mb
WMQ	57.69	314	P	37 27.00	0.2
	20s	0.37um			4.5msz
PMR	66.69	28	eP	38 24.59	-1.8
	0.8s	6.05nm			4.6mb
INK	74.33	22	eP	39 11.50	-1.0
	1.0s	5.00nm			4.4mb
		pP	39 23.00		38kmX
BMW	81.32	44	eP	39 52.22	0.8
GMW	81.43	43	eP	39 52.17	0.3
LGPM	82.64	50	(P)	39 59.00	0.5
YKA	82.77	27	eP	40 02.80	4.3X
	0.9s	1.60nm			4.0mb
LBFM	83.25	49	(P)	40 02.43	0.7
NEW	85.00	42	eP	40 10.00	-0.1
	1.0s	7.00nm			4.7mb
GSC	88.56	54	(P)	40 28.67	0.9
LRM	88.75	43	eP	40 28.50	-0.2
DUG	90.21	49	eP	40 35.97	0.4
	1.0s	4.87nm			4.7mb
PPM	109.12	64	ePd	42 19.50	17.7X
KIC	144.49	302	PKP	47 11.50	-0.6
	1.2s	34.50nm			
TIC	144.56	302	PKP	47 11.62	-0.6
	1.1s	26.00nm			
LIC	144.80	302	PKP	47 12.46	-0.2
	1.1s	42.00nm			
LPZ	147.42	99	PKP	47 18.10	0.5
LPB	147.45	100	ePKP	47 21.00	3.6X
CNCB	147.56	100	PKP	47 20.00	2.2X

S.D. = 0.8 on 22 of 26 obs.

* SEP 05, 1993 01h 40m 28.08± 1.78s
14.073 N ±22.8km 92.999 W ±11.7km
DEPTH = 33.0km (normal)
4.1mb (3 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX	1.09	41	iP	40 46.50	-0.6
			iS	40 59.50	
GCG	2.44	78	iPd	41 07.98	1.3
			iS	41 37.82	
IXG	2.47	87	iP	41 06.71	-0.4
			iS	41 42.61	
SCX	2.67	8	eP	41 11.00	1.3
			iS	41 37.00	
YUP	3.10	87	iPd	41 16.13	0.1
			iS	41 57.94	
OXX	4.67	310	eP	41 41.50	3.2X
MIAR	20.39	359	eP	45 02.58	-2.3
	0.8s	7.05nm			4.1mb
ALQ	24.07	332	eP	45 42.73	1.1
	0.4s	1.53nm			3.9mb

TUC	24.36	321	iPd	45 48.16	3.7X
PV08	28.06	333	(P)	46 19.62	0.7
PV10	28.07	333	eP	46 20.56	1.6
LRM	35.65	336	eP	47 25.60	0.3
YKA	50.74	347	eP	49 24.80	-1.8
	0.7s	3.10nm			4.4mb
INK	60.10	344	eP	50 33.00	-1.2

S.D. = 1.4 on 12 of 14 obs.

& SEP 05, 1993 01h 51m 20.12s
35.993 N 118.370 W
DEPTH = 9.2km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 3.5 (GM). ML 3.7
(BRK), 3.2 (PAS).

WCHM	0.26	115	P	51 25.40	-0.4
ISA	0.34	194	eP	51 26.70	-0.4
		eS	51 31.08		
WBSM	0.49	158	P	51 29.69	-0.4
RCWM	0.59	94	P	51 31.59	-0.4
SNDC	0.85	176	P	51 36.41	-0.3
BHPR	1.31	356	P	51 44.93	0.4
CRGC	1.33	236	P	51 45.56	0.7
ABL	1.33	212	eP	51 44.49	-0.5
		eS	52 02.26		
YEG	1.41	247	P	51 46.54	0.6
PKEM	1.41	273	eP	51 46.86	0.9
		eS	52 06.45		
GSC	1.45	118	iPc	51 46.50	-0.1
FRI	1.47	313	iP	51 46.62	-0.1
		iS	52 05.55		
PMRM	1.53	263	P	51 48.41	0.8
PTRM	1.53	258	P	51 48.43	0.7
PAGM	1.55	261	P	51 48.61	0.7
PSRM	1.56	266	P	51 48.80	0.8
RYX	1.57	211	P	51 50.22	1.9
CTM	1.60	268	P	51 50.12	1.4
BCH	1.61	241	eP	51 48.90	0.0
PMCM	1.65	261	P	51 50.22	0.9
PDRM	1.65	283	P	51 50.43	1.0
PHAM	1.65	265	eP	51 49.70	0.3
PCRM	1.68	274	P	51 50.90	1.2
MRCM	1.68	356	eP	51 51.47	1.5
		eS	52 14.99		
MMPM	1.70	342	eP	51 51.79	1.4
		eS	52 13.65		
MCSM	1.71	346	P	51 52.52	2.0
MEMM	1.73	345	eP	51 52.48	2.0
		eS	52 15.82		
PSTM	1.74	269	P	51 54.88	4.3
WKR	1.75	265	P	51 51.61	0.8
PSMM	1.80	273	P	51 53.27	1.6
PMGM	1.84	253	P	51 52.79	0.7
PRCM	1.84	279	P	51 52.90	0.7
SSK	1.86	162	ePn	51 52.76	0.2
		eS	52 20.31		
PRI	1.87	275	iP	51 54.61	2.0
		iS	52 18.23		
PTV	1.91	274	P	51 54.04	0.9
BONR	1.96	2	ePn	51 54.62	0.5
		ePg	51 57.11		
HVC	2.02	282	P	51 55.60	0.9
PSAM	2.04	272	P	51 55.99	1.0
PADM	2.06	261	P	51 56.40	1.1
PANM	2.07	265	P	51 56.27	0.8
TNP	2.28	24	ePn	52 00.32	1.6
PEC	2.32	154	ePn	51 59.30	0.2
SHG	2.37	281	P	52 00.64	0.9
PRS	2.45	279	iP	52 01.61	0.7
LTR	2.53	291	P	52 03.21	1.2
MOYM	2.59	318	P	52 06.42	3.5
SAO	2.60	288	eP	52 03.99	1.0
CMB	2.60	322	eP	52 05.50	2.5
		eS	52 38.29		
HBTM	2.70	289	P	52 11.05	6.5
BPRM	2.75	280	P	52 05.15	-0.1
ARN	2.88	299	eP	52 08.35	1.3
PLM	2.91	154	eP	52 07.61	0.0
		eS	52 53.60		
COE	2.94	296	ePn	52 09.05	1.2
MHC	2.95	298	eP	52 09.63	1.5
GLA	4.14	134	ePn	52 24.53	-0.4
ORV	4.34	326	eP	52 29.10	1.4
ARUT	4.34	64	(Pn)	52 28.35	0.5
MSU	5.55	61	ePn	52 45.59	0.5
		ePg	53 03.83		

DUG	6.07	45	ePn	52 53.85	1.6
SRU	6.97	61	ePg	53 31.75	26.8
HVU	7.24	35	ePg	53 38.49	29.7

61 obs. associated

& SEP 05, 1993 02h 13m 36.45s
35.994 N 118.371 W
DEPTH = 9.0km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 3.4 (GM). ML 3.6
(BRK), 3.0 (PAS).

WCHM	0.26	115	P	13 41.72	-0.4
ISA	0.34	194	eP	13 43.14	-0.3
VPEM	0.45	95	P	13 45.27	-0.4
RCWM	0.59	94	P	13 47.90	-0.4
WSHM	0.80	117	P	13 51.88	-0.3
BHPR	1.31	356	P	14 01.26	0.4
ABL	1.34	212	ePn	14 01.00	-0.3
		eS	14 18.47		
YEG	1.41	247	P	14 02.82	0.5
PHBM	1.41	281	P	14 03.30	1.1
GSC	1.45	118	iPc	14 02.77	-0.2
FRI	1.47	313	iP	14 02.92	-0.1
		iS	14 21.79		
PTRM	1.53	258	P	14 04.48	0.4
PAGM	1.55	261	P	14 04.95	0.7
PSRM	1.56	266	P	14 05.07	0.7
CTM	1.60	268	P	14 06.32	1.3
BCH	1.61	240	ePn	14 05.30	0.0
PMCM	1.65	261	P	14 06.44	0.8
PDRM	1.65	282	P	14 06.88	1.1
PHAM	1.65	265	ePn	14 06.04	0.3
ORC	1.65	352	P	14 07.63	1.6
PCRM	1.68	274	P	14 07.03	1.0
MRCM	1.68	356	ePn	14 07.63	1.3
		eS	14 31.06		
MMPM	1.70	342	ePn	14 07.85	1.2
		eS	14 29.85		
MEMM	1.73	345	ePn	14 08.75	1.9
PSMM	1.80	273	P	14 09.53	1.5
PRCM	1.84	279	P	14 09.47	1.0
PRI	1.86	275	iP	14 09.68	0.8
SSK	1.86	162	ePn	14 09.40	0.4
PTV	1.91	274	P	14 10.23	0.8
BONR	1.96	2	ePn	14 12.88	2.4
		eS	14 40.63		
PANM	2.07	265	P	14 12.78	1.0
TNP	2.28	24	ePn	14 16.79	1.8
PEC	2.32	154	ePn	14 15.55	0.1
EKH	2.36	287	P	14 17.59	1.6
MOYM	2.59	318	P	14 22.11	2.9
SAO	2.60	288	eP	14 20.81	1.5
CMB	2.60	322	ePd	14 21.79	2.4
		eS	14 54.51		
BAPM	2.66	275	P	14 21.31	1.0
ARN	2.88	299	ePn	14 24.37	1.0
PLM	2.91	154	ePn	14 24.40	0.4
		eS	15 11.05		
MHC	2.95	298	eP	14 25.99	1.5
CSTL	3.00	304	P	14 33.00	8.0
GLA	4.14	134	ePg	14 51.98	10.7
NTYM	4.18	306	eP	14 43.69	2.0
ORV	4.33	326	(P)	14 45.69	1.7
ARUT	4.34	64	ePn	14 46.61	2.4
MSU	5.55	61	ePg	15 19.88	18.5
LBFM	6.01	334	eP	15 11.83	4.0
DUG	6.07	45	ePg	15 30.96	22.4

49 obs. associated

& SEP 05, 1993 03h 42m 22.21s
35.990 N 118.368 W
DEPTH = 8.2km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.8 (GM). ML 2.7
(PAS).

WLHM	0.17	16	P	42 25.98	-0.1
WCHM	0.26	114	P	42 27.44	-0.3
WASM	0.29	211	P	42 28.31	0.0

05d 03h

WSHM	0.80	116	P	42	37.58	-0.3
MARC	1.26	219	P	42	46.50	0.6
BHPR	1.31	356	P	42	47.15	0.4
ABL	1.33	212	eP	42	46.77	-0.4
			eS	43	03.49	
CRGC	1.33	236	P	42	47.59	0.5
YEG	1.41	247	P	42	48.77	0.6
GSC	1.45	118	eP	42	48.35	-0.4
BCH	1.61	241	eP	42	51.18	0.1
			eS	43	12.03	
PHAM	1.66	265	(P)	42	52.01	0.4
ORC	1.66	352	P	42	54.34	2.4
MRCM	1.68	356	eP	42	53.18	0.9
			eS	43	16.18	
MMPM	1.70	342	eP	42	53.28	0.7
			eS	43	15.12	
MCSM	1.72	346	P	42	55.20	2.4
MEMM	1.73	345	eP	42	54.95	2.2
			eS	43	17.27	
BONR	1.96	2	eP	42	58.54	2.2
			eS	43	22.44	
TNP	2.28	23	(P)	43	03.57	2.6

25 obs. associated

& SEP 05, 1993 04h 17m 01.84s
35.996 N 118.373 W
DEPTH = 8.9km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.9 (GM). ML 2.6
(PAS).

WLHM	0.16	18	P	17	05.55	-0.1
WCHM	0.27	115	P	17	07.17	-0.4
WASM	0.30	210	P	17	07.97	-0.1
ISA	0.34	194	ePc	17	08.63	-0.3
			eS	17	12.82	
VPEN	0.45	96	P	17	10.72	-0.4
WBSM	0.50	157	P	17	11.46	-0.5
WOFM	0.54	211	P	17	12.36	-0.3
WJPM	0.59	189	P	17	12.89	-0.9
WSHM	0.80	117	P	17	17.34	-0.2
SNDC	0.85	176	P	17	18.11	-0.4
ARVC	0.94	203	P	17	20.84	0.9
MARC	1.27	219	P	17	26.09	0.6
BHPR	1.30	356	P	17	26.76	0.5
CRGC	1.33	236	P	17	27.26	0.6
ABL	1.34	211	eP	17	26.49	-0.2
YEG	1.41	247	P	17	28.37	0.7
GSC	1.45	118	eP	17	27.81	-0.6
BCH	1.61	240	eP	17	30.75	0.1
CLKR	1.63	347	P	17	32.88	1.8
PDRM	1.65	282	P	17	32.36	1.2
ORC	1.65	352	P	17	33.43	2.1
PHAM	1.65	265	eP	17	31.11	0.0
MRCM	1.68	356	eP	17	33.35	1.7
			eS	17	56.02	
MMPM	1.69	342	eP	17	33.28	1.2
			eS	17	54.36	
MCSM	1.71	346	P	17	34.32	2.1
MEMM	1.73	345	eP	17	33.95	1.8
			eS	17	57.00	
SCCM	1.81	235	P	17	35.36	1.9
SSK	1.87	162	eP	17	35.20	0.8
			eS	17	59.06	
BONR	1.96	2	eP	17	38.73	2.9
TNP	2.28	24	(P)	17	41.22	0.8
PEC	2.32	154	eP	17	40.81	-0.1
CMB	2.60	322	eP	17	46.40	1.7
			eS	18	18.95	
PLM	2.92	154	ePn	17	51.12	1.7

33 obs. associated

& SEP 05, 1993 04h 39m 20.28s
35.989 N 118.367 W
DEPTH = 8.3km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 2.9 (GM). ML 2.6
(PAS).

WLHM	0.17	15	P	39	24.04	-0.1
WCHM	0.26	114	P	39	25.51	-0.3
WASM	0.29	212	P	39	26.42	0.0
WORM	0.31	161	P	39	26.39	-0.3
ISA	0.34	195	ePc	39	27.00	-0.2
VPEN	0.45	95	P	39	29.05	-0.3
WBSM	0.49	158	P	39	29.77	-0.4
WOFM	0.53	212	P	39	30.77	-0.3

WJPM	0.58	189	P	39	31.65	-0.4
WSHM	0.80	116	P	39	35.64	-0.3
SNDC	0.85	176	P	39	36.54	-0.3
ARVC	0.94	204	P	39	38.84	0.5
BHPR	1.31	356	P	39	45.13	0.3
ABL	1.33	212	eP	39	45.06	-0.1
			eS	40	03.64	
CRGC	1.33	236	P	39	45.68	0.6
YEG	1.41	247	P	39	46.86	0.6
GSC	1.45	118	eP	39	46.65	-0.1
			eS	40	07.08	
BCH	1.61	241	eP	39	49.66	0.5
			eS	40	10.55	
PHAM	1.66	265	eP	39	50.94	1.2
ORC	1.66	352	P	39	51.56	1.6
MRCM	1.68	356	eP	39	51.78	1.5
			eS	40	15.56	
MMPM	1.70	342	eP	39	51.96	1.3
			eS	40	13.96	
MEMM	1.74	345	eP	39	53.16	2.3
			eS	40	15.88	
SSK	1.86	163	eP	39	53.28	0.5
BONR	1.96	2	eP	39	57.20	2.8
LRV	2.19	282	P	40	08.32	10.9
TNP	2.28	23	eP	40	02.00	3.0
QSR	2.45	291	P	40	15.22	14.1
BHRM	2.45	288	P	40	04.05	2.9

29 obs. associated

SEP 05, 1993 06h 05m 54.63± 0.39s
27.293 N ± 7.8km 87.310 E ± 5.2km
DEPTH = 33.0km (normal)
4.5mb (27 obs.) 3.6msz (1 obs.) (310)

NEPAL	9.03	281	eP	08	06.00	0.3
	0.6s	20.00nm			5.5mb	
HYB	12.73	221	eP	08	55.20	-0.9
		eS	11	09.50		
KMI	14.02	95	eP	09	10.50	-2.8
CD2	14.82	72	eP	09	22.90	-0.7
POO	15.15	238	eP	09	37.00	9.1X
		iS	13	49.00		
GTA	15.95	38	eP	09	41.00	2.7
	1.5s	8.00nm			3.6mb	
Z	12s	0.60um			4.1mszX	
GBA	16.45	216	P	09	45.20	0.6
	0.5s	2.00nm			3.5mb	
WMQ	16.50	1	P	09	44.00	-1.1
	0.5s	9.80nm			4.2mb	
		PP	09	58.60		
		S	12	53.50		
		SS	13	14.50		
LZH	16.56	54	eP	09	47.00	0.9
	1.5s	40.00nm			4.3mb	
		pP	09	55.60		
GYA	17.29	88	P	09	54.60	-0.7
	1.0s	27.00nm			4.3mb	
XAN	19.75	65	P	10	22.40	-2.3
	1.0s	8.90nm			4.0mb	
BTO	22.96	49	eP	10	57.00	-0.2
N	11s	0.26um				
E	11s	0.19um				
TIY	23.53	57	eP	11	02.50	-0.3
Z	23s	1.32um			4.3mszX	
HHC	24.12	50	eP	11	09.40	0.9
MAIO	25.22	298	eP	11	23.00	3.9X
CN2	34.78	52	eP	12	44.40	0.4
	0.8s	38.00nm			5.4mb	
		eP	12	52.00	26kmX	
MLR	51.38	308	eP	14	58.50	0.1
KAF	52.74	329	eP	15	10.60	2.4
HFS	58.63	326	eP	15	50.20	-0.4
	0.4s	3.80nm			4.8mb	
Z	19s	0.05um			3.6msz	
		LR	39	17.00		
GEC2	59.45	313	eP	15	56.50	-0.1
		e	16	02.70		
		e	16	11.60		
NB2	59.83	327	P	15	58.70	-0.3
	0.6s	1.10nm			4.2mb	
GRF	60.94	314	eP	16	09.00	2.4
CDF	63.72	313	eP	16	24.30	-1.0
	0.6s	1.45nm			4.3mb	
BSF	64.16	312	eP	16	27.20	-1.0
	1.0s	5.60nm			4.6mb	
HAU	64.42	313	eP	16	28.90	-0.9

	0.5s	2.50nm			4.6mb	
LPG	64.73	310	eP	16	31.90	-0.3
	0.6s	3.95nm			4.7mb	
LPL	64.74	310	eP	16	31.70	-0.5
	0.7s	5.20nm			4.7mb	
WRA	65.42	131	P	16	38.50	2.0
	0.6s	2.40nm			4.5mb	
WB2	65.43	131	iPc	16	37.60	1.0
	0.6s	8.50nm			5.0mb	
LBF	66.22	312	eP	16	40.20	-1.2
	0.7s	2.45nm			4.4mb	
LOR	66.23	312	eP	16	41.20	-0.2
SMF	66.40	312	eP	16	42.60	0.1
	0.8s	5.10nm			4.7mb	
SSF	66.51	312	eP	16	42.40	-0.8
	0.6s	4.05nm			4.7mb	
AVF	66.69	312	eP	16	44.50	0.2
	0.6s	2.80nm			4.5mb	
TCF	67.58	312	eP	16	49.70	-0.4
	0.7s	3.40nm			4.6mb	
ASPA	67.75	134	iPd	16	53.00	1.6
CAF	68.07	310	eP	16	52.90	-0.3
	0.7s	3.65nm			4.6mb	
MFF	69.05	312	eP	16	58.30	-0.8
	0.6s	2.00nm			4.4mb	
FBA	78.73	21	eP	17	55.22	0.2
	0.9s	2.17nm			4.2mb	
INK	80.03	14	eP	18	03.00	1.1
PMR	80.49	24	eP	18	05.07	0.7
	0.8s	5.48nm			4.6mb	
YKA	88.82	10	eP	18	46.20	-0.1
	0.6s	0.70nm			4.2mb	
SIV	148.62	284	PKP	25	41.00	4.3X
LPZ	154.75	291	PKP	25	58.60	12.3X
LPB	154.84	290	ePKP	25	57.00	10.8X
CNCB	154.88	289	ePKP	25	57.00	10.6X

S.D. = 1.2 on 40 of 46 obs.

& SEP 05, 1993 06h 12m 49.70s
35.992 N 118.368 W
DEPTH = 8.8km
CENTRAL CALIFORNIA (39)
<GM-P>. MD 3.0 (GM). ML 2.7
(PAS).

WLHM	0.17	16	P	12	53.45	-0.1
WCHM	0.26	114	P	12	54.95	-0.3
WASM	0.30	211	P	12	55.82	-0.1
WORM	0.31	161	P	12	55.84	-0.3
ISA	0.34	195	P	12	55.63	-1.1
VPEN	0.45	95	P	12	58.47	-0.4
WBSM	0.49	158	P	12	59.27	-0.4
WOFM	0.53	212	P	13	00.22	-0.3
WJPM	0.59	189	P	13	01.86	0.3
WSHM	0.80	116	P	13	05.09	-0.3
SNDC	0.85	176	P	13	05.90	-0.4
MARC	1.27	219	P	13	15.03	1.7
BHPR	1.31	356	P	13	14.46	0.3
CRGC	1.33	236	P	13	15.10	0.6
ABL	1.33	212	eP	13	14.08	-0.5
		eS	13	31.56		
YEG	1.41	247	P	13	16.29	0.7
PHBM	1.41	281	P	13	16.34	0.8
GSC	1.45	118	iPc	13	15.93	-0.3
BCH	1.61					

05d 06h

(BRK), 3.1 (PAS).

WCHM	0.26	115	P	15	13.90	-0.4
ISA	0.34	195	eP	15	15.06	-0.6
			eS	15	19.63	
WBSM	0.49	158	P	15	18.19	-0.5
WOFM	0.54	212	P	15	19.19	-0.3
ARVC	0.94	204	P	15	26.93	0.3
PLEC	1.17	209	P	15	31.44	0.8
BHPR	1.31	356	P	15	33.45	0.4
ABL	1.34	212	eP	15	32.95	-0.5
			eS	15	50.67	
YEG	1.41	247	P	15	35.27	0.8
PHBM	1.41	281	P	15	35.56	1.1
GSC	1.45	118	ePc	15	34.86	-0.2
			eS	15	52.65	
FRI	1.47	313	iP	15	35.13	-0.1
			iS	15	53.99	
CWCR	1.50	2	P	15	37.09	1.2
PMRM	1.53	263	P	15	36.99	0.8
PTRM	1.54	258	P	15	35.04	-1.2
PAGM	1.55	261	P	15	37.24	0.8
PSRM	1.56	266	P	15	37.86	1.3
RYL	1.57	211	P	15	37.72	0.9
CTM	1.60	268	P	15	38.64	1.4
BCH	1.61	241	eP	15	37.70	0.3
PMCM	1.65	261	P	15	38.70	0.8
PDRM	1.66	283	P	15	39.06	1.1
PHAM	1.66	265	eP	15	38.22	0.2
			eS	16	00.44	
PCRM	1.68	274	P	15	39.36	1.1
MRCM	1.68	356	eP	15	39.99	1.5
			eS	16	02.94	
MMPM	1.70	342	eP	15	40.30	1.4
			eS	16	01.74	
MCSM	1.71	346	P	15	40.88	1.8
MEMM	1.73	345	eP	15	40.82	1.8
			eS	16	03.87	
WKR	1.75	265	P	15	40.15	0.8
SCCM	1.81	235	P	15	41.84	1.6
PMGM	1.84	253	P	15	41.34	0.7
PRCM	1.84	279	P	15	41.77	1.1
SSK	1.86	163	eP	15	40.89	-0.2
PRI	1.87	275	iP	15	42.31	1.2
			iS	16	06.61	
PTV	1.91	274	P	15	42.82	1.1
BONR	1.96	2	eP	15	45.24	2.6
HVC	2.02	282	P	15	44.27	1.0
PSAM	2.04	272	P	15	44.54	1.0
PADM	2.06	261	P	15	44.72	0.9
PANM	2.07	265	P	15	45.02	1.0
LRC	2.18	277	P	15	46.52	0.9
LRV	2.19	282	P	15	49.58	3.9
TNP	2.28	23	eP	15	50.81	3.6
PEC	2.32	154	eP	15	47.38	-0.2
CMB	2.60	322	eP	15	54.04	2.4
			eS	16	27.01	
BAPM	2.66	275	P	15	53.88	1.4
BPRM	2.75	280	P	15	53.90	0.1
ARN	2.88	299	eP	15	57.12	1.5
			eS	16	30.09	
PLM	2.91	154	ePn	15	56.05	-0.1
COE	2.94	296	eP	15	57.24	0.8
MHC	2.96	298	eP	15	58.36	1.6
GLA	4.14	134	ePn	16	11.14	-2.3
			ePg	16	24.31	
NTYM	4.18	306	eP	16	14.74	0.8
ARUT	4.34	64	(Pn)	16	15.97	-0.4
MSU	5.54	61	ePn	16	33.90	0.4
			ePg	16	51.83	
DUG	6.06	45	(Pn)	16	40.08	-0.7
			ePg	17	02.47	
56 obs. associated						
SEP 05, 1993 07h 10m 56.30± 0.70s						
26.348 S ± 6.4km 27.299 E ± 8.5km						
DEPTH = 5.0km (geophysicist)						
REPUBLIC OF SOUTH AFRICA (584)						
ML 3.2 (PRE). mLg 3.3 (BUL).						
PRY	0.60	165	eP	11	08.20	-0.1
			S	11	14.70	
KSR	0.60	323	eP	11	12.50	4.1X
			S	11	23.00	
BFS	0.72	220	iPd	11	14.00	3.4X
			S	11	23.10	
SLR	1.07	56	iPd	11	16.57	-0.5

SEK	1.99	172	iPd	11	30.50	1.9X
			S	11	33.00	
			S	11	56.10	
BFT	2.56	76	eP	11	39.70	0.4
			S	12	08.90	
BLF	2.92	199	iPd	11	45.40	1.0
			S	12	18.00	
FRS	3.81	207	iPc	11	58.00	1.0
			S	12	36.50	
BUL	6.29	11	iPn	12	32.80	0.6
			iSn	13	41.00	
			iSg	14	12.50	
GRM	6.97	185	eP	12	40.00	-1.6
CER	9.85	223	e(P)	13	19.00	-2.7X
			(S)	15	08.00	
WIN	10.02	290	eP	13	23.50	-0.7
			S	15	24.00	
MTD	10.32	24	iPn	13	11.70	-16.5X
			iSn	15	02.00	
			iSg	15	50.20	
S.D. = 1.1 on 8 of 13 obs.						
% SEP 05, 1993 08h 00m 12.12± 0.71s						
42.979 S ± 7.2km 173.158 E ± 8.5km						
DEPTH = 27.8 ± 7.1 km						
SOUTH ISLAND, NEW ZEALAND (162)						
ML 3.8 (WEL).						
KHZ	0.63	27	P	00	24.80	0.3
L7Z	0.68	286	Pd	00	24.60	-0.8
			S	00	32.70	
MQZ	0.82	207	P	00	28.40	0.8
			S	00	40.50	
THZ	1.23	351	Pc	00	33.90	0.3
			S	00	48.80	
WVZ	1.78	266	P	00	42.20	0.8
			S	01	02.70	
QRZ	2.20	347	P	00	48.10	0.6
ODZ	2.75	220	P	00	55.20	-0.1
BWZ	2.84	236	P	00	56.40	-0.1
MNG	2.93	37	eP	00	56.80	-1.0
			S	01	29.80	
LMZ	2.93	254	eP	00	57.30	-0.5
TUZ	3.90	219	eP	01	11.20	-0.4
S.D. = 0.8 on 11 of 11 obs.						
% SEP 05, 1993 08h 12m 35.50s						
44.400 N 103.800 W						
DEPTH = 5.0km (geophysicist)						
SOUTH DAKOTA (462)						
<MACRO>. ML 2.7 (GS). Felt (III)						
at Deadwood.						
RSSD	0.33	211	iPd	12	42.30	0.2
BW06	4.48	251	ePnd	13	46.89	1.0
			ePg	13	55.93	
			Lg	14	51.84	
GOL	4.84	195	ePn	13	52.23	1.2
			ePg	14	03.29	
			eSg	15	03.65	
MSU	8.61	230	(P)	14	44.72	0.9
4 obs. associated						
% SEP 05, 1993 09h 00m 34.47± 1.14s						
24.356 S ±10.6km 67.124 W ±16.4km						
DEPTH = 190.1 ± 11.8 km						
CHILE-ARGENTINA BORDER REGION (127)						
HJA	1.94	55	ePc	01	13.30	1.3
YJA	2.64	35	ePc	01	20.00	-0.2
TCA	7.31	163	iPd	02	19.00	-0.7
CNCB	7.55	354	P	02	23.20	-0.2
LPB	7.84	353	P	02	28.00	0.9
LPAZ	8.08	353	P	02	28.90	-1.6
SIV	10.07	35	P	02	52.50	-3.3X
PPD	14.72	84	eP	03	58.00	3.1X
VAO	18.51	90	eP	04	38.30	-0.7
BAO	19.95	68	eP	04	53.80	0.0
WB2	131.25	207	ePKP	19	25.30	-0.7
			0.7s	2.10nm		
WRA	131.26	207	PKP	19	28.00	2.0
			0.6s	0.50nm		
S.D. = 1.3 on 10 of 12 obs.						
% SEP 05, 1993 09h 12m 09.91± 0.96s						
39.607 N ±10.4km 29.447 E ± 8.3km						
DEPTH = 10.0km (geophysicist)						

TURKEY (366)						
ML 2.7 (ISK).						
DST	0.63	270	ePg	12	21.50	-1.2
			eSg	12	32.50	
ALT	0.75	137	ePg	12	25.00	0.3
KCT	1.06	308	iPn	12	30.10	0.3
EYL	1.10	29	ePn	12	30.10	-0.6
EDC	1.42	302	ePn	12	37.00	1.2
S.D. = 1.3 on 5 of 5 obs.						
* SEP 05, 1993 10h 37m 54.73± 0.63s						
13.207 N ± 8.1km 144.962 E ±15.7km						
DEPTH = 76.8 ± 5.1 km						
4.8mb (17 obs.)						
MARIANA ISLANDS (216)						
GUA	0.33	352	iPd	38	07.10	0.1
GUMO	0.39	346	Pn	38	07.00	-0.4
			Pg	38	07.90	
			eS	38	18.20	
PJG	0.39	346	eP	38	07.80	0.4
MAT	24.01	347	eP	43	05.00	1.5
			0.9s	8.40nm		4.2mb
WB2	34.56	198	iPc	44	37.60	-0.5
			0.5s	6.80nm		4.8mb
ASPA	38.21	197	iPc	45	09.00	0.1
			0.6s	11.30nm		5.0mb
STK	44.95	184	eP	46	03.10	-0.7
			0.8s	3.10nm		4.2mb
TOO	50.51	179	iPc	46	47.40	0.3
			0.4s	9.00nm		5.2mb
SVW	63.95	28	eP	48	20.79	-1.0
			0.6s	11.07nm		5.0mb
PMR	67.08	28	eP	48	39.74	-2.0
			0.7s	9.56nm		4.8mb
FBA	68.53	25	eP	48	49.07	-1.7
			0.8s	2.78nm		4.2mb
KLU	68.55	29	eP	48	50.41	-0.6
BALM	70.16	30	eP	49	00.19	-0.8
INK	74.68	22	eP	49	27.50	0.1
			1.0s	4.00nm		4

05d 10h

% SEP 05, 1993 10h 58m 58.94± 0.68s 39.148 N ± 5.7km 27.600 E ± 7.1km DEPTH = 10.0km (geophysicist) TURKEY (366) ML 2.8 (ISK).				BPA 2.02 90 eP 04 48.97 -3.1X S 05 13.42	04 48.97 -3.1X	ODZ 9.06 207 eP 13 44.60 1.1 S.D. = 0.7 on 23 of 23 obs.	
Izm 0.79 200 ePg 59 14.10 -0.3 eSg 59 27.10				ANG 2.05 87 eP 04 49.02 -3.4X eS 05 07.31		? SEP 05, 1993 14h 35m 07.89± 4.30s 18.956 S ±15.9km 169.036 E ±73.9km DEPTH = 232.9 ± 12.2 km 4.4mb (6 obs.) VANUATU ISLANDS (186)	
DST 0.92 60 iPg 59 16.50 0.0 eSg 59 29.00				CPD 2.09 298 P 04 54.00 1.0 LPR 2.19 305 P 04 53.50 -0.9 S 05 22.00		BKM 1.49 329 iPc 35 45.00 0.2 iS 36 14.50	
EZN 1.20 305 iPn 59 21.50 0.3				PAG 2.43 115 iPc 04 58.80 0.9		DZM 3.94 218 iPc 36 10.20 -0.6 iS 37 04.70	
EDC 1.21 10 ePn 59 21.00 -0.5				DOG 2.48 114 ePc 04 59.52 0.9		BRS 17.13 238 iPd 38 56.00 1.1 0.8s 10.00nm 4.3mb	
KGT 1.32 350 iPn 59 24.10 0.8				CLLP 2.68 292 P 05 01.90 0.5		ARMA 19.48 231 iPd 39 22.30 3.1X 0.4s 5.00nm 4.4mb	
MFT 1.65 352 ePn 59 27.60 -0.6				PORP 2.72 291 P 05 02.30 0.3		CNB 23.84 223 iPc 40 02.10 0.5 0.7s 17.00nm 4.7mb	
KHL 1.71 118 iPn 59 29.50 0.4 S.D. = 0.6 on 7 of 7 obs.				PNP 2.77 291 P 05 02.90 0.3		STK 27.84 237 iPc 40 38.10 0.2 0.7s 5.10nm 4.3mb	
% SEP 05, 1993 12h 02m 22.43± 0.79s 39.687 N ± 7.7km 29.472 E ± 7.7km DEPTH = 10.0km (geophysicist) TURKEY (366) ML 2.7 (ISK).				SFG 2.78 107 eP 05 01.18 -1.6		ASPA 33.01 256 iPd 41 22.70 -0.6 0.4s 122.30nm 5.9mb X	
DST 0.66 263 iPg 02 34.30 -1.3 eSg 02 45.30				MGG 2.79 114 iPc 05 03.19 0.3		MTN 36.90 274 eP 41 56.30 0.1 0.4s 10.00nm 4.5mb	
ALT 0.80 142 ePg 02 38.00 -0.1 eSg 02 49.00				DEG 2.89 105 eP 05 01.64 -2.7 S 05 33.09		MBL 46.13 259 iPd 43 10.90 -0.1 0.4s 10.00nm 4.5mb	
EYL 1.02 31 ePn 02 41.40 -0.4				APR 2.97 298 P 05 03.50 -1.9 S.D. = 1.4 on 15 of 17 obs.		MEEK 46.87 251 iPd 43 16.00 -0.8 0.4s 9.00nm 4.5mb	
KCT 1.02 304 ePn 02 42.10 0.3				* SEP 05, 1993 13h 36m 09.59± 1.99s 30.261 N ±18.2km 114.729 W ± 8.7km DEPTH = 10.0km (geophysicist) 3.9mb (1 obs.) GULF OF CALIFORNIA (49) Double event.			
KHL 1.36 178 iPn 02 48.00 0.5				GLA 2.78 358 (P) 36 54.75 -0.3		GEC2 144.15 332 ePKP 54 14.00 -3.4X 0.8s 0.58nm	
EDC 1.40 299 ePn 02 49.00 1.0 S.D. = 1.0 on 6 of 6 obs.				PLM 3.58 330 (P) 37 04.26 -2.2		S.D. = 0.8 on 9 of 11 obs.	
% SEP 05, 1993 12h 23m 59.70± 0.85s 26.379 S ± 6.7km 27.428 E ± 9.0km DEPTH = 5.0km (geophysicist) REPUBLIC OF SOUTH AFRICA (584) ML 2.0 (PRE).				TUC 3.95 58 (Pn) 37 11.08 -0.5 eSg 38 03.30		% SEP 05, 1993 15h 20m 15.44± 0.70s 26.910 S ± 7.1km 26.690 E ± 7.5km DEPTH = 5.0km (geophysicist) REPUBLIC OF SOUTH AFRICA (584) ML 2.6 (PRE).	
PRY 0.55 176 eP 24 10.00 -0.7 S 24 16.60				PEC 4.17 331 (P) 37 13.59 -1.1		BFS 0.09 82 iPc 20 16.70 -0.8 S 20 17.10	
KSR 0.70 317 eP 24 13.90 0.2 S 24 24.00				SSK 4.67 328 (Pn) 37 22.27 0.3		KSR 1.06 10 eP 20 36.50 0.5 S 20 48.50	
SLR 1.00 50 eP 24 19.00 -0.2				GSC 5.32 341 (Pn) 37 32.67 1.6 ePg 37 59.87		SWZ 1.25 257 eP 20 39.00 -0.2 S 20 56.30	
SEK 1.94 175 eP 24 35.00 1.1 S 24 57.10				ISA 6.24 331 (Pn) 37 44.82 0.8		SEK 1.63 150 iPc 20 46.50 1.4 S 21 05.50	
SWZ 2.04 246 iPd 24 34.90 -0.4 S 25 01.90				ARUT 7.58 8 (P) 38 04.30 1.3 eS 39 59.50		SLR 1.85 51 iPc 20 48.00 -0.2 S 21 12.20	
S.D. = 1.0 on 5 of 5 obs.				MEMM 8.17 336 eP 38 07.02 -4.0X		BLF 2.24 191 eP 20 53.00 -0.8	
% SEP 05, 1993 12h 32m 21.93± 0.86s 39.000 N ± 7.2km 27.338 E ± 9.5km DEPTH = 10.0km (geophysicist) TURKEY (366) ML 2.6 (ISK).				ALQ 8.39 54 (Pn) 38 12.35 -2.0 ePg 38 48.28		FRS 3.08 203 iPd 21 05.60 0.0 S 21 38.00	
Izm 0.60 186 ePg 32 34.10 -0.1 eSg 32 44.60				MSU 8.50 14 (Pn) 38 15.70 -0.1		S.D. = 1.0 on 7 of 7 obs.	
EZN 1.14 317 iPn 32 43.50 0.3				CMB 9.06 330 (P) 38 23.65 0.3		& SEP 05, 1993 16h 48m 31.19s 60.613 N 151.517 W DEPTH = 65.4km KENAI PENINSULA, ALASKA (14) <AEIC>. ML 2.6 (AEIC).	
DST 1.17 58 ePn 32 44.30 0.5				PV10 9.36 29 (Pn) 38 28.19 0.4		NKA 0.19 46 P 48 42.70 1.4	
KGT 1.45 359 ePn 32 48.00 -0.2				PV09 9.43 28 (P) 38 28.07 -0.6		RDT 0.44 265 iP 48 42.45 -0.8 eS 48 51.93	
KCT 1.47 32 ePn 32 48.00 -0.5 S.D. = 0.6 on 5 of 5 obs.				SRU 9.48 20 (P) 38 29.48 0.1		DFR 0.58 268 iP 48 43.87 -0.8 eS 48 54.40	
% SEP 05, 1993 13h 00m 11.58± 0.79s 39.695 N ± 7.5km 29.454 E ± 7.6km DEPTH = 10.0km (geophysicist) TURKEY (366) ML 2.7 (ISK).				LTX 9.66 93 eP 38 32.59 0.9		BKG 0.59 322 eP 48 44.07 -0.7 eS 48 54.67	
DST 0.64 262 ePg 00 24.00 -0.5				PV08 9.69 30 (P) 38 33.05 0.6		SPU 0.63 336 eP 48 44.48 -0.7 eS 48 55.23	
ALT 0.82 141 ePg 00 27.00 -0.5				ACO 14.50 60 e(P) 39 40.00 3.3X		RSO 0.63 257 iP 48 44.65 -0.8	
KCT 1.01 304 ePn 00 31.00 0.3				LRM 15.64 6 eP 40 01.60 9.8X		RS2 0.63 257 P 48 44.70 -0.7	
EYL 1.02 32 ePn 00 31.00 0.0				RSSD 16.22 29 eP 39 59.90 0.6 1.5s 14.63nm 3.9mb S.D. = 1.1 on 17 of 20 obs.		SLKM 0.65 99 eP 48 44.83 -0.6 eS 48 56.04	
KHL 1.37 178 ePn 00 37.50 0.7 S.D. = 0.7 on 5 of 5 obs.				? SEP 05, 1993 14h 11m 36.27± 2.83s 37.111 S ±24.9km 176.463 E ±19.1km DEPTH = 306.1 ± 22.5 km NORTH ISLAND, NEW ZEALAND (159)			
* SEP 05, 1993 13h 04m 19.10± 0.69s 17.070 N ±24.7km 63.972 W ± 9.5km DEPTH = 27.3 ± 7.1 km LEEWARD ISLANDS (92) MD 3.8 (TRN). ML 3.5 (FDF).				URZ 1.26 156 P 12 18.10 -0.7 S 12 45.90		RED 0.65 253 P 48 44.70 -0.8 S 48 55.80	
SKI 1.21 77 eP 04 40.50 0.2 eS 04 56.27				HBZ 1.54 109 P 12 20.40 -0.2		RDW 0.65 259 iP 48 44.90 -0.7 eS 48 56.03	
NEV 1.34 87 eP 04 43.47 1.3				PAHZ 1.81 165 P 12 22.70 0.2		CKT 0.68 331 P 48 45.20 -0.6 S 48 56.50	
MBET 1.76 100 eP 04 49.01 0.7				NOZ 1.95 141 P 12 23.50 0.0		CKN 0.69 332 P 48 45.90 -0.1	
				TTH 2.44 173 P 12 28.70 1.1		NCT 0.70 266 eP 48 45.29 -0.8 eS 48 56.96	
				WAHZ 2.59 182 P 12 28.90 0.0		CKL 0.71 326 eP 48 45.89 -0.3	
				TEHZ 2.89 175 P 12 32.20 0.5		CRP 0.73 335 eP 48 45.29 -1.2 eS 48 57.21	
				BSZ 2.94 204 eP 12 33.30 1.1		CP2 0.74 332 eP 48 46.08 -0.6 eS 48 57.50	
				MNG 3.59 192 P 12 38.50 -0.3 S 13 22.50			
				KIW 3.94 197 P 12 42.50 -0.1			
				MTW 4.11 190 P 12 44.00 -0.4			
				CAW 4.14 195 P 12 44.40 -0.3			
				DIW 4.18 207 P 12 45.30 0.0			
				MRW 4.34 198 P 12 46.70 -0.2 S 13 38.60			
				MOW 4.41 192 P 12 47.50 -0.3			
				TCW 4.44 202 P 12 48.10 0.1			
				QRZ 4.41 218 P 12 52.20 -0.2			
				CCW 4.95 200 P 12 52.30 -1.6			
				THZ 5.40 210 eP 12 59.10 -0.2			
				KHZ 5.76 202 P 13 03.90 0.5			
				LTZ 6.52 208 P 13 12.50 0.0			
				MQZ 7.20 203 P 13 20.30 -0.4 S 14 39.00			

05d 16h

BGL	0.78	327	eP	48 46.66	-0.4
NCG	0.85	339	eP	48 47.43	-0.5
			eS	49 00.25	
ILIM	0.89	234	eP	48 47.48	-1.0
			eS	49 01.01	
BRK	0.91	159	eP	48 48.88	0.3
			eS	49 01.27	
SUA	0.93	23	iP	48 48.73	-0.3
			eS	49 02.82	
INE	0.95	235	eP	48 48.36	-0.9
HOM	0.96	184	eP	48 49.06	-0.1
			eS	49 03.53	
INW	0.97	236	eP	48 48.63	-0.8
			eS	49 02.87	
MPA	1.07	96	eP	48 50.63	0.0
CNPM	1.10	173	eP	48 50.72	-0.3
			eS	49 05.29	
PMS	1.15	56	P	48 51.40	-0.3
SEW	1.15	116	eP	48 52.35	0.7
PTE	1.25	77	eP	48 52.58	-0.4
OPT	1.29	222	iP	48 53.19	-0.4
PWA	1.31	37	P	48 53.50	-0.3
SKT	1.37	360	eP	48 54.25	-0.5
PLRM	1.52	49	eP	48 56.21	-0.4
PMR	1.52	49	eP	48 55.25	-1.4
			eS	49 13.40	
PWL	1.58	80	eP	48 56.37	-1.2
GHO	1.71	46	eP	48 58.33	-1.1
CUT	1.90	18	P	49 01.50	-0.3
LTI	1.91	106	eP	48 59.97	-2.1
CFI	1.92	71	P	49 01.50	-0.7
SML	1.95	51	P	49 01.50	-1.2
CDD	2.00	213	eP	49 03.08	-0.3
MTU	2.02	106	eP	49 02.15	-1.5
SCM	2.37	57	eP	49 07.22	-1.3
VZW	2.47	77	eP	49 07.60	-2.4
FID	2.48	85	eP	49 06.84	-3.2
HIN	2.49	93	P	49 10.30	0.1
VLZ	2.59	76	eP	49 09.64	-1.9
KLU	2.86	70	eP	49 13.36	-2.1
BALM	4.51	81	eP	49 34.70	-4.0
FBA	4.63	20	eP	49 38.06	-2.2

50 obs. associated

* SEP 05, 1993 17h 21m 01.98± 1.02s
10.174 S ± 9.9km 122.718 E ± 12.5km
DEPTH = 33.0km (normal)
4.8mb (1 obs.)

SAVU SEA (288)

KNA	8.09	134	eP	23 01.00	0.9
			iS	24 33.00	
MTN	8.66	109	eP	23 07.50	-0.5
	0.3s	53.00nm		6.2mb X	
			eS	24 45.00	
MBL	11.27	194	eP	23 44.40	0.5
			iS	25 43.50	
WB2	14.84	132	eP	24 30.20	-1.1
			eS	27 09.10	
ASPA	17.15	143	iPd	25 03.70	2.9X
			eS	28 05.60	
CTB	17.32	5	ePc	25 03.00	0.0
MRWA	19.96	197	eP	25 33.50	-0.9
			eS	29 05.00	
BRS	33.08	125	iPc	27 38.20	1.2
	1.0s	13.00nm		4.8mb	

S.D. = 1.1 on 7 of 8 obs.

SEP 05, 1993 17h 30m 50.95± 0.96s
57.703 N ± 11.4km 137.892 W ± 7.0km
DEPTH = 10.0km (geophysicist)
OFF COAST OF SOUTHEASTERN ALASKA (20)
ML 3.2 (AEIC).

SIT	1.53	114	ePc	31 19.01	0.7
			eS	31 37.80	
HQN	1.83	344	iP	31 22.83	0.2
YKU	2.09	333	P	31 28.50	2.1X
			S	31 56.50	
PNL	2.12	339	eP	31 26.41	-0.5
BCPM	2.43	339	eP	31 31.06	-0.3
PCA	2.70	334	eP	31 36.04	0.8
YAH	3.33	325	eP	31 43.96	-0.4
CYK	3.37	317	eP	31 45.81	1.2
SNH	3.57	316	eP	31 47.70	0.2
CTGM	3.72	333	eP	31 50.69	0.9
WAX	3.76	319	eP	31 49.84	-0.5

TGL	3.98	322	eP	31 53.20	-0.1
BALM	4.04	328	eP	31 54.97	0.7
KAIM	4.06	306	eP	31 55.06	0.7
CRQM	4.08	321	eP	31 54.16	-0.7
HMT	4.22	311	eP	31 54.77	-2.0X
RAGM	4.42	310	eP	31 58.71	-0.9
SGAM	4.70	310	eP	32 03.47	-0.1
GLB	4.81	324	eP	32 05.07	-0.1
KLU	5.57	316	eP	32 14.56	-1.4
INK	10.82	9	eP	33 30.00	1.2
YKA	12.53	58	eP	33 50.40	-1.5
	0.6s	1.60nm		4.4mb X	
RSSD	24.99	108	eP	36 20.25	4.2X
	0.8s	2.34nm		3.9mb	

S.D. = 0.8 on 20 of 23 obs.

? SEP 05, 1993 17h 36m 48.93± 3.79s
44.267 N ± 12.2km 10.282 E ± 32.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.6 (LDG).

PGF	1.96	209	Pn	37 22.60	0.0
			Sn	37 46.80	
SBF	2.09	260	Pn	37 24.40	-0.1
			Sn	37 53.30	
FRF	2.72	256	Pn	37 33.40	-0.1
			Sn	38 07.70	
LPG	2.80	297	Pn	37 35.00	0.2
LPL	2.82	298	Pn	37 34.80	-0.2
LMR	2.89	252	Pn	37 35.30	-0.5
LRG	2.95	255	Pn	37 37.30	0.6

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

* SEP 05, 1993 17h 49m 19.60± 1.37s
22.914 S ± 8.0km 69.834 W ± 13.1km
DEPTH = 49.4 ± 15.8 km
4.1mb (1 obs.)

NORTHERN CHILE (123)

YJA	4.07	80	ePc	50 26.50	5.1X
HJA	4.09	95	ePd	50 21.30	0.1
			S	50 44.30	
SLA	4.37	115	e(P)	50 30.00	4.8X
CNCB	6.32	16	P	50 56.80	3.7X
CCH	6.51	33	P	50 59.50	4.0X
LPB	6.56	15	P	51 02.30	6.0X
CYA	6.60	147	ePd	50 56.50	-0.1
ARE	6.61	346	eP	50 56.00	-0.9
LPBZ	6.78	14	P	51 01.70	2.0
CFR	8.77	171	e(P)	51 26.30	-0.4
SIV	10.75	52	P	51 52.70	-1.2
PPD	17.14	91	eP	53 17.70	0.4
VAO	21.06	95	eP	53 58.70	-3.2X
VAO2	21.43	95	eP	54 05.00	-0.7
NVL	65.82	159	eP	00 03.00	1.4
YKA	92.23	341	eP	02 24.10	-0.8
	0.6s	0.50nm		4.1mb	

S.D. = 1.3 on 10 of 16 obs.

* SEP 05, 1993 17h 58m 07.69± 1.91s
57.271 N ± 24.2km 138.482 W ± 16.0km
DEPTH = 10.0km (geophysicist)
OFF COAST OF SOUTHEASTERN ALASKA (20)
ML 3.2 (AEIC).

SIT	1.73	96	eP	58 37.99	0.0
			eS	59 00.04	
YKU	2.38	345	P	58 47.70	0.4
			S	59 16.50	
PCA	2.98	343	eP	58 55.35	-0.6
CHX	3.12	335	eP	58 58.31	0.4
CYK	3.51	325	eP	59 03.25	-0.1
YAH	3.53	333	eP	59 04.56	0.6
WAX	3.91	326	eP	59 08.95	-0.2
CTGM	3.99	340	eP	59 09.73	-0.5
TGL	4.15	329	eP	59 13.33	0.7
CRQM	4.24	327	eP	59 14.28	0.3
BALM	4.27	334	eP	59 13.95	-0.3
HMT	4.30	318	eP	59 13.71	-0.9X
GLB	4.99	329	eP	59 24.17	-0.3
KLU	5.69	321	(P)	59 33.87	-0.5

S.D. = 0.5 on 13 of 14 obs.

* SEP 05, 1993 18h 15m 39.15± 1.00s
17.160 S ± 16.1km 69.964 W ± 12.4km
DEPTH = 213.9 ± 8.4 km

PERU-BOLIVIA BORDER REGION (118)

LPB	1.89	71	iPd	16 18.20	-0.3
			i	16 44.80	
CNCB	1.93	80	iPd	16 20.10	1.1
			i	16 46.80	
LPBZ	1.96	64	P	16 17.80	-1.6
			i	16 42.90	
CCH	3.67	94	P	16 39.20	1.0
HJA	7.39	145	ePd	17 24.80	-0.4
NNA	8.41	307	iPKPd	17 39.10	0.3
	0.5s	10.56nm		4.3mb	
			eS	19 08.60	
SIV	8.61	84	P	17 37.30	-4.0X
PPD	18.23	108	eP	19 41.00	2.0X
BAO	21.13	89	eP	20 08.80	0.3
VAO	22.35	109	(P)	20 25.00	4.8X
LIC	68.22	76	P	26 19.00	0.0
KIC	68.53	76	P	26 20.50	-0.4

S.D. = 1.0 on 9 of 12 obs.

% SEP 05, 1993 19h 24m 47.13± 4.09s
40.089 N ± 17.5km 23.994 E ± 36.2km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 2.6 (THE).

OUR	0.25	358	iPg	24 51.42	-0.9
			eSg	24 54.97	
PAIG	0.29	236	ePg	24 52.76	-0.4
			eSg	24 56.44	
SOH	0.88	326	ePg	25 03.20	-0.9
			eSg	25 18.70	
SRS	1.07	344	ePg	25 07.52	0.2
			eSg	25 23.50	
KNT	1.36	322	iPb	25 11.97	-0.1
			eSb	25 31.30	

S.D. = 0.7 on 5 of 5 obs.

% SEP 05, 1993 20h 03m 39.15± 0.41s
40.404 N ± 4.7km 27.777 E ± 3.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.2 (ISK).

EDC	0.09	131	iPg	03 42.00	0.3
			iSg	03 44.00	
BNT	0.12	114	iPg	03 42.10	0.0
			iSg	03 46.00	
KGT	0.36	278	iPg	03 47.10	0.4
KCT	0.47	109	iPg	03 48.30	-0.4
MFT	0.54	315	iPg	03 50.10	0.1
CTT	0.89	34	iPg	03 56.10	-0.2
DST	1.03	140	iPg	03 59.80	1.1
			iSg	04 13.80	
EZN	1.25	243	iPn	04 02.20	-0.2
IZI	1.30	92	iPn	04 03.10	-0.1
HRT	1.50	73	iPn	04 06.10	0.0
EYL	1.82	84	ePn	04 10.90	0.0
IZM	2.04	191	ePn	04 13.10	-0.9
ALT	2.25	126	ePn	04 17.00	-0.1

S.D. = 0.5 on 13 of 13 obs.

* SEP 05, 1993 20h 16m 34.96± 1.71s
2.536 N ± 13.2km 124.680 E ± 15.6km
DEPTH = 305.7 ± 22.3 km
4.6mb (10 obs.)

CELEBES SEA (262)

BIP	5.86	15	ePd	18 03.50	0.1
			eS	19 12.00	
LEM	19.41	241	iPd	20 42.30	1.8
IPM	23.69	276	ePd	21 20.20	-1.4
	0.7s	21.60nm		4.7mb	
WB2	24.27	157	eP	21 25.00	-1.9
	0.5s	34.20nm		5.0mb	
QIS	27.22	148	eP	21 52.70	-0.8
ASPA	27.55	161	eP	21 54.40	-2.1
	0.4s	6.40nm		4.4mb	
			eS	26 11.50	
KMI	30.84	319	Pc	22 27.00	1.4
	1.5s	50.00nm		4.8mb	
STK	37.81	156	iPc	23 23.90	-0.3
	0.4s	6.90nm		4.4mb	
LZH	38.55	332	eP	23 37.00	6.5X
	4.0s	46.00nm		4.2mb X	
ARMA	41.66	144	iPd	23 57.00	1.1

05d 20h

0.2s 2.00nm 4.0mb
 BWA 43.01 151 iPc 24 08.70 2.0
 CAN 44.01 151 iPc 24 15.50 0.9
 TOO 44.33 156 eP 24 18.00 0.9
 GUN 44.81 308 P 24 21.40 0.0
 0.4s 30.00nm 5.0mb
 KKN 45.23 308 P 24 24.00 -0.6
 0.6s 28.00nm 4.8mb
 DMN 45.28 307 P 24 24.60 -0.5
 HYB 47.61 291 eP 24 42.50 -0.5
 GBA 47.96 286 Pd 24 42.80 -2.8X
 0.7s 6.00nm 4.0mb
 MAIO 68.62 308 iPc 27 08.60 1.0
 KAF 91.70 332 iP 29 07.50 -1.2
 0.4s 1.70nm 4.3mb
 S.D. = 1.4 on 18 of 20 obs.

SEP 05, 1993 20h 30m 46.95± 2.90s
 38.580 N ± 25.7km 22.065 E ± 10.0km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 ML 2.8 (THE).

AGG 0.49 25 ePg 30 56.36 -0.5
 eSg 31 04.92
 LIT 1.55 12 ePb 31 16.12 1.4
 eSb 31 34.00
 IGT 1.65 306 ePb 31 16.04 0.0
 eSb 31 37.28
 PAIG 1.84 42 ePb 31 18.52 -0.3
 FNA 2.26 347 ePn 31 24.28 -0.7
 OUR 2.30 40 ePn 31 25.04 -0.4
 SOH 2.45 24 ePn 31 27.80 0.2
 eSn 31 56.80
 KNT 2.66 14 ePn 31 30.32 -0.2
 SRS 2.79 24 ePn 31 33.00 0.5
 S.D. = 0.8 on 9 of 9 obs.

SEP 05, 1993 20h 44m 22.29± 0.53s
 39.365 N ± 5.1km 141.598 E ± 9.7km
 DEPTH = 13.6 ± 3.9 km
 4.4mb (1 obs.)

EASTERN HONSHU, JAPAN (227)

OFUJ 0.29 169 iPd 44 29.10 0.5
 S 44 34.00
 AOMJ 1.52 322 P 44 48.90 -0.1
 S 45 08.50
 YAMJ 1.70 226 P 44 51.40 -0.4
 S 45 14.00
 NIIJ 2.95 225 P 45 09.00 -0.5
 S 45 51.30
 MRRJ 3.08 353 eP 45 11.60 0.2
 eS 45 48.90
 HOOJ 3.28 22 eP 45 15.30 1.1
 eS 45 54.80
 KAKJ 3.35 200 P 45 13.70 -1.6
 S 45 51.10
 MAT 3.89 225 iPc 45 22.60 -0.3
 eS 46 22.00
 CHJJ 3.90 213 P 45 23.70 0.6
 S 46 11.50
 MTMJ 4.08 228 P 45 25.90 0.1
 KUSJ 4.41 31 eP 45 29.10 -1.1
 eS 46 18.70
 ASAJ 4.81 9 eP 45 36.00 0.0
 IIDJ 4.86 218 P 45 38.40 1.6
 WRA 59.39 188 P 54 23.10 -3.4X
 0.8s 2.60nm 4.4mb
 LPAZ 145.34 57 PKP 03 59.90 -2.6X
 CNCB 145.82 57 PKP 04 03.00 -0.2
 S.D. = 0.9 on 14 of 16 obs.

SEP 05, 1993 21h 18m 50.03± 0.92s
 12.832 N ± 5.2km 88.945 W ± 6.4km
 DEPTH = 61.1 ± 8.3 km
 4.7mb (13 obs.)

OFF COAST OF CENTRAL AMERICA (76)

YUP 1.60 329 ePc 19 17.34 0.8
 IXG 1.98 312 eP 19 20.82 -1.1
 eS 19 46.45
 GCG 2.33 319 eP 19 27.78 1.0
 eS 19 54.65
 TPX 3.82 303 eP 19 46.00 -1.7
 PPM 11.18 305 (P) 21 31.00 0.9
 LTX 21.37 322 iPd 23 34.58 0.2

HBF 21.49 20 eP 23 36.54 1.1
 SGS 21.68 19 eP 23 38.66 1.3
 PRM 21.99 15 eP 23 42.01 1.6
 MIAR 22.02 350 eP 23 41.04 0.3
 0.9s 97.17nm 5.2mb
 JSC 22.47 17 eP 23 46.13 1.0
 MYNC 22.57 10 eP 23 46.30 0.1
 0.7s 15.48nm 4.5mb
 LHS 22.78 18 eP 23 49.55 1.3
 GBTN 23.13 10 eP 23 52.78 1.1
 e 24 06.63
 MEO 23.54 340 iPd 23 55.20 -0.4
 TUL 23.79 346 iP 23 58.30 0.3
 ELC 24.35 359 eP 24 03.16 -0.3
 FVM 25.08 357 eP 24 08.76 -1.6
 0.5s 8.67nm 4.5mb
 NAV 25.45 15 eP 24 13.30 -0.6
 ACO 25.47 341 iPc 24 14.10 0.0
 CVL 26.73 19 eP 24 24.98 -0.7
 ALQ 27.13 327 eP 24 29.67 0.1
 0.7s 3.39nm 4.0mb
 CBN 27.29 20 eP 24 31.00 0.3
 GLD 30.42 335 eP 24 59.19 0.2
 1.4s 38.34nm 4.9mb
 GOL 30.44 334 eP 24 58.47 -0.8
 0.8s 30.01nm 5.1mb
 PV08 31.04 329 eP 25 04.28 -0.4
 GLA 31.04 315 eP 25 04.65 0.3
 PV10 31.09 328 eP 25 04.02 -1.0
 BINY 31.35 19 P 25 05.92 -1.1
 0.6s 7.22nm 4.6mb
 SRU 32.40 328 eP 25 16.20 -0.2
 MSU 32.86 325 eP 25 20.04 -0.4
 PEC 33.13 314 eP 25 23.06 0.4
 DAU 33.75 329 eP 25 27.91 -0.3
 RSSD 33.76 340 ePc 25 28.00 -0.2
 0.6s 23.67nm 5.3mb
 DUG 34.40 327 eP 25 34.06 0.4
 1.1s 5.10nm 4.4mb
 BW06 34.77 333 eP 25 35.80 -1.0
 0.8s 4.64nm 4.5mb
 LPAZ 35.51 144 P 25 43.90 0.1
 i 28 13.00
 HVU 35.53 329 eP 25 43.10 -0.2
 LPB 35.72 144 P 25 46.10 0.7
 CNCB 36.01 144 P 25 49.00 1.0
 i 28 15.20
 BONR 36.18 319 eP 25 49.99 1.0
 PHAM 36.42 314 eP 25 52.61 2.0
 HHAI 36.47 331 eP 25 50.75 -0.3
 CCH 37.53 143 P 26 01.00 0.5
 SXM 38.17 335 iPc 26 05.90 0.4
 e 28 20.60
 LMN 38.75 27 eP 26 09.00 -1.0
 SIV 39.75 135 P 26 19.30 0.6
 LBFM 40.40 321 eP 26 24.13 0.1
 BAO 49.41 124 Pc 27 35.00 -1.2
 PPD 50.63 133 eP 27 44.00 -1.2
 e 27 46.20
 YKA 52.87 345 eP 27 59.70 -1.8
 0.7s 20.60nm 5.3mb
 RSTA 53.90 134 (P) 28 09.00 -0.6
 VAO 54.38 131 eP 28 12.00 -1.3
 INK 62.41 343 eP 29 07.00 -1.5
 1.0s 7.00nm 4.7mb
 DAG 73.09 13 eP 30 13.50 -1.6
 GEC2 88.59 40 eP 31 36.10 -1.6
 1.8s 4.66nm 4.4mb
 e 31 53.20
 e 32 00.50
 WMQ 123.54 3 ePKP 37 42.20 -0.1
 TIY 125.86 339 ePKP 37 47.00 -0.1
 GTA 127.39 351 ePKP 37 50.50 0.5
 XAN 130.38 340 PKP 37 56.00 0.3
 WB2 137.96 254 ePKP 38 11.30 0.8
 0.7s 5.10nm
 WRA 137.97 254 PKP 38 04.20 -6.3X
 0.6s 0.40nm
 KKN 139.23 8 PKP 38 00.00 -12.8X
 KMI 140.59 343 PKPd 38 16.00 0.6
 HYB 147.51 23 ePKP 38 27.00 0.0
 CHTO 147.61 346 ePKP 38 28.90 1.8
 BDT 149.10 345 ePKP 38 33.00 3.5X
 0.7s 25.80nm
 MUN 150.07 226 ePKP 38 37.10 6.5X
 NST 150.29 342 ePKP 38 37.00 5.7X
 BAL 150.44 229 ePKP 38 37.80 6.6X

0.6s 16.00nm
 GBA 150.47 28 PKP 38 32.40 0.8
 0.7s 3.00nm
 MBL 151.30 249 ePKP 38 39.90 7.2X
 KHT 151.56 345 iPKPd 38 40.00 6.8X
 S.D. = 0.9 on 65 of 73 obs.

SEP 05, 1993 21h 49m 45.95± 0.60s
 53.547 N ± 3.2km 112.175 E ± 4.1km
 DEPTH = 13.0 ± 3.8 km
 4.9mb (53 obs.) 4.4Msz (4 obs.)
 LAKE BAYKAL REGION, RUSSIA (327)

CIT 1.78 150 ePn 50 16.00 -0.6
 e 50 36.00
 KMO 2.41 347 iPnc 50 27.00 1.4
 e 51 02.30
 KVO 2.61 11 iPc 50 30.20 1.7
 ePgc 50 34.20
 iSg 51 10.20
 TNL 2.85 14 ePnd 50 32.10 0.3
 i 50 37.30
 i 51 14.10
 OZE 2.95 20 iPnd 50 33.90 0.6
 i 50 40.30
 e 51 17.90
 TUP 4.64 76 ePnd 50 56.00 -1.4
 e 51 08.50
 eS 51 49.50
 e 52 09.50
 IRK 4.93 258 ePnd 51 01.50 0.1
 e 52 19.50
 ZAK 6.34 244 iPnd 51 19.30 -2.0
 e 53 00.50
 UER 11.19 267 eP 52 28.20 -0.2
 1.6s 40.00nm 5.5mb
 YAK 12.59 41 eP 52 43.10 -4.2X
 HHC 12.71 182 eP 52 46.60 -2.5
 Z 12s 3.86um
 S 55 10.00
 BTO 13.04 187 eP 52 53.00 -0.5
 CN2 13.09 133 eP 52 49.00 -5.1X
 0.4s 19.00nm 5.6mb
 Z 16s 2.02um 4.3MszX
 N 10s 1.99um
 E 10s 3.63um
 ePp 53 00.80
 eS 55 14.00
 BJI 13.78 167 eP 53 01.00 -2.2
 Z 14s 3.53um
 SNY 13.99 142 Pc 53 02.40 -3.5X
 Z 10s 4.73um
 E 11s 5.00um
 MDJ 14.46 121 eP 53 08.40 -3.7X
 N 11s 7.15um
 E 11s 7.39um
 TIY 15.84 179 eP 53 31.00 0.9
 Z 14s 3.57um
 DL2 16.02 152 P 53 31.50 -0.7
 1.0s 180.00nm 5.2mb
 Z 16s 1.47um 4.6MszX
 N 12s 1.00um
 E 12s 1.68um
 GTA 16.47 216 eP 53 37.00 -1.2
 2.0s 83.00nm 4.5mb
 Z 12s 2.17um 3.6Msz
 NVS 16.93 286 iPc 53 42.30 -1.5
 1.1s 190.00nm 5.1mb
 eS 56 58.30
 TIA 17.68 167 eP 53 53.00 -0.2
 N 10s 1.28um
 E 16s 3.71um
 LZH 18.41 202 eP 54 02.00 -0.4
 1.5s 66.00nm 4.6mb
 E 10s 12.60um
 sP 54 12.00
 PP 54 16.00
 WMQ 18.78 249 P 54 08.00 1.1
 2.0s 78.00nm 4.6mb
 Z 16s 3.47um 5.6MszX
 pP 54 13.50
 PP 54 23.50
 TIK 19.57 16 eP 54 14.00 -2.0
 2.0s 45.00nm 4.4mb
 iS 57 57.00
 XAN 19.64 188 P 54 16.00 -1.1
 1.4s 21.00nm 4.2mb

05d 21h

Z 12s	2.81um	5.1MszX	FBA	47.04	35 eP	58 18.94	0.6	0.9s	3.50nm	4.4mb				
N 10s	3.00um			1.0s	4.79nm		4.5mb	WB2	75.65	158 eP	01 32.10	-0.2		
E 11s	4.17um		MNK	47.16	307 eP	58 14.00	-5.3X	0.7s	8.50nm	4.9mb				
	pP	54 21.70	PMR	48.58	39 eP	58 30.33	0.0	LPZ	142.82	0 ePKP	09 18.00	-3.5X		
YSS	20.47	96 iPc	54 26.00	0.3	1.1s	15.08nm	5.0mb	CNCB	143.34	0 ePKP	09 24.00	1.7		
1.1s	40.00nm	4.7mb	INK	49.19	27 eP	58 35.50	0.6	S.D. = 1.1 on 88 of 98 obs.						
Z 11s	1.70um	4.7MszX	HFS	0.9s	2.00nm		4.1mb	* SEP 05, 1993 22h 35m 32.36± 0.79s						
N 12s	7.50um			49.41	319 eP	58 36.30	-0.5	54.071 N ±16.8km 164.244 W ± 8.2km						
E 12s	2.30um			0.8s	13.50nm		5.0mb	DEPTH = 33.0km (normal)						
	eS	58 16.00	Z	17s	0.34um		4.4MszX	4.4mb (21 obs.)						
MGD	21.87	57 eP	54 39.00	-0.8	LR	17 57.00		UNIMAK ISLAND REGION (10)						
1.2s	100.00nm	5.1mb	NB2	49.78	321 P	58 39.20	-0.4	SDN	2.52	58 eP	36 09.73	-2.1		
	e	55 10.00		0.9s	15.10nm		5.0mb	ADK	7.82	259 (P)	37 25.43	-1.2		
	e	59 14.00	NAO	50.06	321 P	58 38.82	-2.9X	KLU	12.25	45 eP	38 21.47	-5.8X		
NJ2	22.02	165 Pc	54 43.40	2.0	BALM	51.43	37 (P)	58 52.68	0.3	INK	20.23	33 eP	40 09.00	2.1
N 14s	1.78um		MUD	53.64	318 iP	59 09.70	1.1	0.6s	2.00nm	3.6mb				
WHN	23.04	175 eP	54 55.00	3.4X	1.3s	81.00nm	5.6mb	YKA	26.78	52 eP	41 08.80	-1.8		
Z 16s	1.78um	4.6MszX	SPC	53.67	306 ePKP	59 10.20	0.9	0.8s	2.20nm	3.8mb				
E 12s	2.18um		AKU	55.20	337 iP	59 21.30	1.2	NEW	29.66	82 (P)	41 37.50	0.7		
SSE	23.37	160 P	54 56.00	1.3	0.9s	13.45nm	5.0mb	1.0s	4.00nm	4.1mb				
1.0s	21.00nm	4.6mb	BRG	55.48	310 iP	59 22.00	-0.3		e	41 48.79				
Z 14s	2.70um	4.9MszX		1.1s	19.00nm		5.0mb	RSSD	39.52	79 (P)	43 02.62	0.9		
N 12s	1.60um		CLL	55.60	311 eP	59 22.00	-1.1	0.8s	1.91nm	3.9mb				
E 12s	0.60um			1.3s	16.00nm		4.9mb	MAT	42.81	270 eP	43 29.00	0.5		
CD2	23.43	198 eP	54 58.00	2.5	Z	18s	0.50um	1.0s	10.00nm	4.5mb				
Z 10s	2.38um	5.0MszX	PRU	55.83	309 ePKP	59 25.20	0.4	SSE	56.65	278 P	45 29.50	15.0X		
E 10s	5.07um			N 13s	0.90um			0.5s	9.00nm					
	eS	59 10.00	ZST	55.87	306 e(PKP)	59 25.30	0.2	Z	16s	0.90um	5.0MszX			
YONJ	23.69	132 P	54 59.50	1.6	E 13s	0.70um		N 10s	0.50um					
MAT	24.84	123 eP	55 07.00	-2.0	MOX	56.69	312 iPc	59 31.00	0.0	E 10s	0.50um			
1.2s	9.38nm	4.3mb			1.4s	21.00nm	5.0mb		pP	45 36.00	21kmX			
Z 20s	0.71um	4.2Msz	KHC	56.88	309 PKP	59 32.80	0.4	NJ2	57.31	281 Pd	45 10.00	-9.1X		
	eS	59 27.00		1.2s	9.00nm	4.7mb		Z 10s	0.64um	5.0MszX				
TKSJ	24.96	133 P	55 10.80	0.6	Z	16s	1.00um	SDF	58.57	355 eP	45 27.00	-0.5		
FRU	26.93	262 eP	55 30.00	1.5	N 16s	0.60um		KAF	63.86	354 iP	46 02.60	-0.7		
2.5s	120.00nm	5.1mb			E 16s	0.50um		0.7s	7.20nm	4.9mb				
GYA	27.37	191 P	55 34.00	1.3		e	59 38.00	NB2	65.18	2 P	46 11.40	-0.5		
Z 12s	1.25um	4.7MszX	GEC2	57.02	309 eP	59 32.00	-1.5	0.7s	3.20nm	4.5mb				
N 10s	0.83um			1.2s	3.96nm	4.3mb		HFS	66.13	1 eP	46 16.70	-1.2		
E 10s	2.54um				e	59 37.40		0.6s	6.60nm	4.9mb				
PET	27.41	72 eP	55 42.00	9.3X		e	59 40.10	EKA	69.85	11 Pd	46 41.20	0.0		
Z 15s	1.60um	4.7MszX				e	59 47.70	0.7s	3.80nm	4.6mb				
KSH	28.27	255 P	55 42.90	2.1		e	59 52.00	BRG	75.42	1 eP	47 14.00	0.0		
1.2s	30.00nm	4.9mb				e	59 55.80	MOX	75.60	3 iPd	47 15.50	0.4		
SVE	29.04	297 iPd	55 47.50	0.1		e	59 57.70		e	47 26.10				
1.6s	40.00nm	4.9mb	GRF	57.55	311 eP	59 37.60	0.5	PRU	76.31	1 eP	47 19.50	0.4		
Z 12s	1.30um	4.8MszX	Z	22s	0.30um	4.4Msz		GRF	76.54	3 ePc	47 20.90	0.5		
N 12s	0.50um		YKA	58.60	23 eP	59 43.40	-0.9	1.0s	10.00nm	4.8mb				
E 12s	1.00um			0.9s	1.40nm	4.1mb		epPd	47 32.20	37kmX				
KMI	29.26	198 Pc	55 45.00	-4.9X	EKA	59.16	323 Pc	59 48.30	0.0	KHC	77.16	1 P	47 25.00	1.1
1.5s	40.00nm	5.0mb			0.8s	8.10nm	4.9mb	0.6s	3.50nm	4.3mb				
Z 10s	1.90um	5.0MszX	CDF	60.25	312 eP	59 55.40	-0.6	77.44	1 eP	47 25.90	0.4			
	pP	56 02.00		1.3s	10.10nm	4.8mb		0.8s	2.15nm	4.2mb				
ARU	30.23	297 eP	55 57.00	-1.1	BSF	60.90	312 eP	59 59.50	-0.9					
Z 12s	2.00um	5.0MszX		1.3s	13.70nm	4.9mb		CDF	77.64	6 iPd	47 27.00	0.4		
N 12s	0.50um		HAU	60.97	312 eP	00 00.00	-0.8	0.8s	2.70nm	4.3mb				
E 12s	1.50um			1.1s	6.60nm	4.7mb		77.99	6 iPd	47 27.80	-0.7			
	e	02 34.00	Z	22s	0.32um	4.4Msz		1.0s	4.00nm	4.4mb				
GUN	32.10	228 P	56 16.20	1.0	LOR	62.62	313 eP	00 10.50	-1.4	ZST	78.10	359 eP	47 29.90	0.9
KKN	32.47	228 P	56 19.00	0.8		1.5s	18.80nm		5.0mb					
DMN	32.71	228 P	56 21.40	1.1	Z	23s	0.25um	4.3MszX						
CHTO	36.15	202 eP	56 50.00	0.3	LPL	62.69	310 eP	00 12.20	-0.4	BSF	78.19	6 iPd	47 29.80	0.1
NST	38.96	199 eP	57 13.00	-0.2		1.3s	10.85nm	4.9mb		1.0s	6.20nm	4.6mb		
ASH	39.66	269 eP	57 20.50	1.6	LPG	62.69	310 eP	00 12.40	-0.3	LOR	78.53	8 iPd	47 31.60	0.1
1.3s	100.00nm	5.3mb				1.1s	5.35nm	4.6mb		0.8s	2.70nm	4.3mb		
MAIO	40.07	266 iPd	57 24.20	1.7	LBF	62.79	313 eP	00 11.70	-1.3	SSF	78.71	9 iPd	47 32.70	0.3
SDF	40.79	324 iP	57 28.00	0.2		1.1s	5.35nm	4.6mb		0.9s	3.75nm	4.4mb		
MOS	41.26	304 eP	57 32.00	0.1	SSF	62.93	313 eP	00 12.70	-1.2	LBF	78.83	8 iPd	47 32.90	-0.2
OBN	42.09	304 eP	57 38.00	-0.6		1.2s	8.05nm	4.8mb		0.9s	3.30nm	4.3mb		
1.0s	16.00nm	4.7mb	SMF	63.11	313 eP	00 13.90	-1.2	AVF	78.96	9 iPd	47 33.90	0.1		
Z 15s	1.20um	4.9MszX		1.2s	11.60nm	4.9mb		1.1s	6.85nm	4.6mb				
E 15s	0.60um		AVF	63.21	313 eP	00 14.70	-1.0	79.15	8 iPd	47 34.90	0.1			
	e	59 16.00		0.9s	2.60nm	4.4mb		0.8s	4.05nm	4.5mb				
	eSS	07 04.00	MAF	64.00	313 eP	00 20.40	-0.5	TCF	79.36	10 eP	47 35.10	-0.9		
PUL	42.70	312 (P)	57 44.00	0.4		1.2s	10.70nm	4.9mb		1.2s	5.05nm	4.4mb		
1.2s	60.00nm	5.2mb	TCF	64.10	314 eP	00 20.70	-0.9	KIV	79.67	341 eP	47 49.30	11.5X		
Z 16s	0.80um	4.7MszX		1.2s	10.10nm	4.9mb		1.0s	28.00nm					
E 16s	0.40um		LSF	64.42	314 eP	00 22.60	-1.1	VBY	80.80	0 eP	47 44.30	0.7		
	e	59 34.00		1.1s	8.80nm	4.9mb		S.D. = 0.9 on 29 of 33 obs.						
IMA	44.36	36 eP	57 59.20	2.1	MFF	64.85	315 eP	00 25.60	-0.9	SEP 05, 1993 22h 40m 26.91± 0.18s				
1.0s	11.00nm	4.7mb	LPO	65.80	313 eP	00 32.40	-0.2	37.189 N ± 3.8km 94.638 E ± 3.0km						
HYB	44.51	229 ePd	57 59.20	0.4		1.2s	16.65nm	5.1mb		DEPTH = 16.9km (9 depth phases)				
DAG	46.31	346 eP	58 13.60	1.2	EPF	67.49	313 eP	00 41.90	-1.5	5.1mb (65 obs.)				
0.9s	16.81nm	5.1mb	LGPM	74.69	40 eP	01 27.14	0.4	QINGHAI, CHINA (325)						
TAB	46.73	278 eP	58 18.00	1.6	WRA	75.65	159 P	01 33.00	0.8	ML 5.0 (BJI).				

05d 22h

GTA	4.64	60	Pn	41	39.50	1.5	HFS	54.27	322	eP	49	53.10	-0.8	RJF	66.69	310	iPc	51	19.40	0.5
			Pg	41	55.00			0.6s	10.00nm				5.0mb		1.0s	13.20nm			5.1mb	
LZH	7.48	96	P	42	19.00	0.9		Z	17s	0.12um			4.0MsZx	LPF	66.85	313	iPc	51	19.50	-0.3
	1.8s		71.00nm		5.5mb				LR		12	59.00			0.6s	3.25nm			4.7mb	
			pP	42	23.50		NB2	55.23	324	P	50	00.20	-0.8	MFF	67.05	312	iPc	51	21.00	-0.1
			sS	43	49.50			0.6s	10.50nm				5.0mb		1.0s	17.20nm			5.2mb	
WMQ	8.47	324	P	42	30.60	-1.2	NAO	55.47	324	P	49	59.82	-2.8	LPO	67.20	309	iPc	51	22.50	0.4
	Z	12s	1.93um				MOL	56.48	326	ePc	50	09.39	-0.5		0.7s	7.70nm			5.0mb	
			S	44	06.00		PRU	56.75	311	iPc	50	12.10	0.1	FBA	67.25	24	iPc	51	21.53	-0.6
CD2	9.82	127	eP	42	52.40	2.0		1.1s	13.40nm				4.9mb		0.7s	8.26nm			5.0mb	
	Z	12s	1.81um				BRG	56.81	312	iP	50	12.40	0.0	LFF	67.35	310	iPc	51	23.50	0.5
	E	14s	3.48um					1.2s	20.00nm				5.0mb		0.7s	15.85nm			5.3mb	
KKN	12.25	223	P	43	23.60	-0.1	CLL	57.22	312	iPc	50	15.10	-0.2	WRA	68.04	140	P	51	27.00	-0.6
	0.6s		23.00nm		5.6mb			1.2s	26.00nm				5.1mb		0.7s	3.90nm			4.7mb	
BTO	12.46	69	eP	43	23.00	-3.3X	KHC	57.63	310	P	50	19.00	0.7	WB2	68.05	140	iPd	51	26.60	-1.0
	N	10s	0.93um					1.0s	5.40nm				4.5mb		1.2s	8.00nm			4.8mb	
	E	10s	1.02um				GEC2	57.66	309	eP	50	18.70	0.1		i		51	32.00	17km	
			eS	45	42.50			0.8s	3.51nm				4.4mb	EPF	68.57	308	iPc	51	30.30	-0.5
DMN	12.49	223	P	43	26.60	-0.3			e	50	24.60	19km			0.8s	4.05nm			4.6mb	
HHC	13.66	69	eP	43	44.00	1.8	VBY	57.90	305	eP	50	20.00	-0.1	INK	68.86	17	ePd	51	32.00	-0.1
KMI	13.88	148	Pd	43	44.50	-0.8	MOX	58.27	312	eP	50	22.50	-0.2		1.0s	6.00nm			4.7mb	
	1.5s		40.00nm		5.0mb			1.4s	15.00nm				4.9mb	PMR	68.91	27	eP	51	31.71	-0.8
	Z	11s	3.30um		6.4MsZx		GRF	58.86	311	iPc	50	27.60	0.8		0.8s	14.37nm			5.2mb	
	N	10s	2.10um					1.0s	29.00nm				5.3mb	TOA	69.64	26	eP	51	37.50	0.5
	E	10s	0.40um						e	50	33.30	19km		KDC	70.03	32	eP	51	38.52	-0.8
TIY	14.15	82	eP	43	47.00	-1.7	FUR	59.41	309	eP	50	31.50	0.8		1.4s	45.05nm			5.4mb	
	Z	12s	2.17um		5.0MsZx		WTS	60.54	315	eP	50	39.00	0.7	KLJ	70.14	26	eP	51	39.95	-0.1
	N	11s	0.80um					0.7s	11.00nm				5.1mb		e		51	44.92	16km	
	E	13s	1.09um				OSS	60.71	308	eP+	50	39.60	-0.1	ASPA	70.93	142	iPc	51	45.00	-0.3
ZAK	14.58	22	eP	43	55.00	0.9	VDL	61.21	308	ePd	50	43.30	0.1		0.4s	27.00nm			5.7mb	
	1.4s		34.00nm		4.7mb		SLE	61.28	310	eP+	50	43.50	0.0		i		51	50.10	16km	
			eS	46	25.00		LLS	61.35	309	eP+	50	43.60	-0.5	YKA	77.91	13	eP	52	22.30	-2.6
GYA	14.78	133	P	43	55.00	-2.0	ZLA	61.47	310	eP+	50	44.50	-0.3		0.7s	2.80nm			4.4mb	
	1.0s		27.00nm		4.7mb		ENN	61.56	314	eP	50	45.50	0.3	STK	81.52	141	iPc	52	44.20	-0.5
	Z	12s	1.25um		4.8MsZx			0.8s	13.10nm				5.1mb		5.2s	2.30nm			3.5mb X	
	N	10s	0.69um				TMA	61.75	308	eP+	50	46.00	-0.8		i		52	49.50	17km	
	E	10s	0.38um				CDF	61.75	311	iPc	50	46.50	-0.2	RMW	89.65	24	ePc	53	26.55	1.4
			sP	44	08.40			0.9s	13.10nm				5.1mb		e		53	31.12	14km	
KSH	14.82	284	eP	43	54.40	-3.1X	WLF	61.89	313	iPd	50	48.45	1.0	LON	90.27	24	eP	53	28.76	0.7
	0.6s		40.00nm		5.1mb			1.0s	28.90nm				5.4mb	NEW	90.34	21	eP	53	29.50	1.2
	Z	10s	2.03um		4.3MsZx		BSF	62.29	310	iPc	50	50.00	-0.4		0.6s	10.24nm			5.3mb	
	E	10s	2.52um					0.9s	15.05nm				5.2mb	RSSD	97.32	13	eP	54	00.24	-0.3
			sP	44	06.00		MMK	62.34	308	eP+	50	50.70	-0.2		0.8s	2.74nm			4.9mb	
FRU	16.33	296	eP	44	16.00	-0.9	HAU	62.49	311	iPc	50	51.40	-0.1	PPD	146.97	288	ePKP	00	11.50	3.1X
	1.8s		50.00nm		4.3mb			0.8s	9.00nm				5.0mb	SIV	149.87	308	PKP	00	13.50	0.4
	Z	12s	1.50um		4.7MsZx		SNF	62.61	314	P	50	52.20	0.0	LPZ	154.20	319	ePKP	00	28.00	7.9X
	E	12s	1.50um				DOU	62.61	314	P	50	52.30	0.0	CNCB	154.55	318	PKP	00	22.00	1.6
BJI	17.07	74	eP	44	26.00	-0.2	DIX	62.68	309	iP+	50	53.50	0.4		S.D. = 0.9 on 103 of 107 obs.					
	Z	14s	0.59um				PGF	63.23	304	iPc	50	56.80	0.2							
WHN	17.65	106	P	44	35.50	2.0		0.9s	14.40nm				5.1mb	? SEP 05, 1993 22h 46m 45.12± 5.65s						
			pP	44	40.50		LPG	63.35	308	iPc	50	58.10	0.5	37.039 S ± 35.3km 176.845 E ± 24.1km						
TIA	18.06	86	eP	44	36.40	-2.2		0.9s	18.35nm				5.2mb	DEPTH = 239.9 ± 49.0 km						
	Z	12s	1.85um				LPL	63.35	308	iPc	50	58.00	0.4	NORTH ISLAND, NEW ZEALAND (159)						
	E	12s	0.87um					1.0s	20.40nm				5.2mb							
CHTO	18.69	167	eP	44	45.80	-0.7	SBF	63.65	306	iPc	50	59.30	-0.1	KUZ	0.95	288	P	47	19.10	0.1
CIT	19.95	36	eP	45	00.50	-0.3		0.8s	33.20nm				5.6mb	URZ	1.24	170	P	47	20.70	-0.1
BDT	20.24	168	eP	45	03.00	-1.0	LOR	64.32	311	iPc	51	02.90	-0.7		S			47	45.30	
NST	21.98	166	eP	45	23.00	1.2		1.0s	10.40nm				4.9mb	HBZ	1.29	116	P	47	20.80	-0.3
QIZ	22.47	140	P	45	27.60	1.0	LBF	64.38	311	iPc	51	03.40	-0.7	NOZ	1.84	149	P	47	26.10	0.6
CN2	24.25	65	eP	45	43.60	-0.2		1.1s	10.00nm				4.9mb	MNG	3.73	196	P	47	45.40	-0.3
	0.4s		9.70nm		4.7mb		EKA	64.40	321	Pc	51	03.70	-0.3		S			48	29.40	
			epP	45	49.60	21km		0.8s	13.40nm				5.2mb	LTZ	6.73	210	eP	48	23.00	0.1
MAIO	28.08	279	eP	46	22.00	2.4	IMA	64.59	25	iPc	51	04.58	-0.7		S.D. = 0.5 on 6 of 6 obs.					
ASH	28.66	283	eP	46	27.00	2.3		0.7s	4.38nm				4.7mb	% SEP 05, 1993 23h 06m 12.34± 0.85s						
SVE	29.91	322	ePc	46	36.00	0.2	SMF	64.62	310	iPc	51	05.30	-0.3	39.910 N ± 8.9km 29.268 E ± 6.8km						
	1.1s		40.00nm		5.2mb		SSF	64.63	311	iPc	51	05.10	-0.5	DEPTH = 10.0km (geophysicist)						
	Z	12s	0.50um		4.4MsZx			0.9s	6.40nm				4.8mb	TURKEY (366)						
	N	12s	0.30um				AVF	64.85	311	iPc	51	06.80	-0.2	ML 2.6 (ISK).						
	E	12s	0.30um					0.9s	17.35nm				5.2mb							
			e	47	52.00	419kmX	HYF	65.06	311	eP	51	08.50	0.1	DST	0.58	239	iPg	06	23.50	-0.6
ARU	30.76	320	iPc	46	44.00	0.7	BGF	65.27	311	iPc	51	09.40	-0.3		iSg			06	31.50	
	0.7s		70.00nm		5.6mb			0.8s	12.65nm				5.1mb	KCT	0.78	296	ePg	06	27.10	-0.4
	Z	14s	0.50um		4.3MsZx		MAF	65.60	310	iPc	51	12.30	0.4	EYL	0.94	46	ePg	06	30.10	-0.3
MOS	42.08	315	eP	48	19.00	-0.1		1.0s	28.80nm				5.4mb	ALT	1.07	142	ePn	06	33.00	0.4
	1.6s		120.00nm		5.4mb		TCF	65.78	311	iPc	51	13.30	0.2	EDC	1.16	292	ePn	06	35.00	0.9
OBN	42.65	314	iPc	48	24.00	0.2		0.9s	23.75nm				5.4mb		S.D. = 0.9 on 5 of 5 obs.					
	1.1s		39.00nm		5.0mb		LDF	66.04	314	iPc	51	14.30	-0.3							
	Z	16s	0.50um		4.5MsZx			1.1s	37.60nm				5.5mb	? SEP 06, 1993 02h 00m 02.97± 1.84s						
KAF	47.95	324	iP	49	06.10	0.1	FLN	66.17	314	iPc	51	15.20	-0.2	26.581 S ± 8.5km 70.879 W ± 26.8km						
	0.4s		6.90nm		5.1mb			0.8s	9.00nm				5.0mb	DEPTH = 33.0km (normal)						
NUR	48.83	322	iP	49	13.00	0.1	LSF	66.22	311	iPc	51	15.30	-0.5	NEAR COAST OF NORTHERN CHILE (122)						
	0.6s		7.90nm		4.9mb			0.5s	2.75nm				4.7mb							
OJC	53.46	309	iPc	49																

06d 02h

MRA 7.35 143 ePd 01 49.10 -1.6
 CNCB 10.09 16 P 02 30.00 0.8
 LPAB 10.56 15 P 02 34.90 -0.8
 VAO 21.99 86 eP 04 55.60 -0.5
 S.D. = 1.4 on 8 of 8 obs.

& SEP 06, 1993 02h 06m 02.87s
 32.352 N 115.336 W
 DEPTH = 6.0km (geophysicist)
 CALIF.-BAJA CALIF. BORDER REGION(45)
 <PAS-P>. ML 2.9 (PAS).

GLA 0.82 31 eP 06 17.02 -2.1
 PLM 1.63 308 (Pn) 06 30.49 -1.8
 es 06 52.79
 PEC 2.17 316 (Pn) 06 37.64 -2.4
 ePg 06 43.45
 es 07 09.89
 TUC 3.85 89 (Pn) 07 06.86 2.8
 4 obs. associated

& SEP 06, 1993 02h 20m 05.79s
 32.362 N 115.337 W
 DEPTH = 6.0km (geophysicist)
 CALIF.-BAJA CALIF. BORDER REGION(45)
 <PAS-P>. ML 3.1 (PAS).

GLA 0.81 32 iPc 20 19.85 -2.1
 PLM 1.62 308 eP 20 32.61 -2.5
 es 20 56.19
 PEC 2.16 315 eP 20 41.34 -1.5
 es 21 11.52
 SSK 2.70 314 ePn 20 48.30 -2.4
 es 21 29.60
 GSC 3.18 338 (Pn) 20 54.63 -2.7
 TUC 3.85 90 (Pn) 21 04.09 -2.9
 ARUT 5.63 15 (Pn) 21 29.83 -2.4
 ePg 21 51.22
 BONR 6.09 337 (P) 21 36.53 -2.2
 MSU 6.66 22 (Pn) 21 42.78 -4.0
 ePg 22 08.45
 9 obs. associated

? SEP 06, 1993 02h 28m 32.41±7.38s
 52.679 N ±63.1km 2.255 E ±10.3km
 DEPTH = 10.0km (geophysicist)
 NORTH SEA (534)
 ML 3.0 (LDG).

DOU 2.97 150 P 29 33.70 13.3X
 FLN 4.29 205 Pn 29 38.00 -1.2
 Sn 30 32.80
 LDF 4.36 201 Pn 29 40.50 0.3
 GRR 4.73 206 Pn 29 45.50 0.0
 Sn 30 43.90
 LPF 5.11 206 Pn 29 51.70 1.0
 CDF 5.34 141 Pn 29 53.20 -0.9
 HAU 5.36 149 Pn 29 55.60 1.2
 LOR 5.52 169 Pn 29 56.50 -0.1
 Sn 31 01.60
 BSF 5.66 147 Pn 29 58.90 0.3
 SSF 5.68 171 Pn 29 59.40 0.5
 LBF 5.81 168 Pn 30 00.20 -0.5
 Sn 31 08.00
 SMF 6.13 170 Pn 30 04.60 -0.6
 Sn 31 15.90
 S.D. = 0.8 on 11 of 12 obs.

% SEP 06, 1993 02h 35m 16.00±4.53s
 52.936 N ±9.3km 5.695 W ±35.9km
 DEPTH = 10.0km (geophysicist)
 UNITED KINGDOM (533)

ETA 0.39 233 eP 35 24.00 -0.1
 es 35 30.20
 DLF 0.62 306 eP 35 28.10 -0.4
 es 35 35.90
 ECP 0.86 209 eP 35 32.70 0.1
 es 35 44.30
 ECB 0.87 230 eP 35 32.60 -0.2
 es 35 45.00
 DCN 1.04 294 eP 35 36.00 0.4
 es 35 50.00
 S.D. = 0.4 on 5 of 5 obs.

? SEP 06, 1993 02h 55m 54.63±0.75s
 45.582 N ±13.1km 26.592 E ±14.3km

DEPTH = 130.0km (geophysicist)
 ROMANIA (358)

URI 0.30 18 iPc 56 12.80 0.5
 ISR 0.45 184 iPc 56 14.00 0.3
 MLR 0.46 259 iPc 56 13.50 -0.4
 CLI 1.08 26 iPd 56 18.50 -0.1
 CFR 1.17 109 iPc 56 19.20 -0.2
 TLB 1.42 134 iPc 56 22.20 0.0
 S.D. = 0.4 on 6 of 6 obs.

SEP 06, 1993 03h 56m 00.10±0.07s
 4.641 S ±2.0km 153.231 E ±2.3km
 DEPTH = 49.0km (geophysicist)
 6.2mb (91 obs.) 6.6Ms (60 obs.)
 NEW IRELAND REGION, P.N.G. (190)

Mw 6.6 (GS), 6.6 (HRV). Ms 6.7
 (BRK). Mo=1.4*10**19 Nm (PPT).
 Felt (V) at Rabaul. Depth from
 broadband displacement
 seismograms.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 80 Dip=65 Slip= 50
 NP2: 323 46 144
 Principal Axes:
 T Plg=52 Azm=302
 P 11 198

Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting with a large strike-
 slip component. The preferred
 fault plane is not determined.

RADIATED ENERGY
 No. of sta: 18 Focal mech. F
 Energy 2.7±0.5*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 53 No. of sta: 9
 Moment Tensor; Scale 10**18 Nm
 Mrr= 7.04 Mtt=-7.46
 Mff= 0.42 Mrt= 6.09
 Mrf= 1.67 Mtf=-0.64

Principal axes:
 T Val= 9.46 Plg=69 Azm=336
 N 0.36 6 81
 P -9.82 20 173

Best Double Couple:Mo=9.6*10**18
 NP1:Strike=273 Dip=25 Slip= 104
 NP2: 78 66 84

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 54S, **C M.W.: 44S, 91C
 Centroid Location:
 Origin Time 03:56: 7.3 0.1
 Lat 4.78S 0.01 Lon 153.13E 0.01
 Dep 59.2 0.4 Half-duration 5.2
 Moment Tensor; Scale 10**18 Nm
 Mrr= 7.81 0.07 Mtt=-9.21 0.05
 Mff= 1.40 0.06 Mrt= 5.02 0.08
 Mrf= 2.84 0.08 Mtf= 1.60 0.05

Principal Axes:
 T Val= 10.31 Plg=65 Azm=308
 N 0.33 20 89
 P -10.64 15 184
 Best Double Couple:Mo=1.0*10**19
 NP1:Strike=300 Dip=35 Slip= 126
 NP2: 78 62 67

RAB 1.15 293 iPc+ 56 23.00 2.8
 KVG 3.16 310 ePc 56 53.10 4.5X
 MDG 7.45 265 eP 57 56.10 7.2X
 PMG 7.66 232 eP 57 52.00 0.1
 es 59 22.00

MNDI 9.65 261 eP 58 46.00 26.5X
 CTA 16.79 203 iPd- 59 54.00 0.5
 1.5s 694.44nm 5.6mb

i 59 57.50
 i 00 21.00
 i 00 28.00
 i(S) 02 41.00
 i 03 06.00
 i 04 23.00
 iScP 07 13.00
 e(PCs) 07 42.00
 e 10 15.00
 iScS 11 53.00
 CTAO 16.79 203 ePd 59 53.28 -0.2

2.6s *****nm 6.5mb
 BKM 19.59 133 iPc 00 26.50 -0.7
 is 04 17.90
 ScP 08 06.20
 S 12 04.50
 PVC 19.68 133 iPc 00 30.50 2.3
 GUA 19.86 336 e(P) 00 32.00 1.9
 1.5s *****nm 7.3mb X
 GUMO 19.92 335 iPc 00 32.62 1.9
 2.0s *****nm 7.5mb X
 PJG 19.92 335 e(P) 00 31.30 0.5
 QIS 20.64 219 eP 00 37.10 -1.1
 DZM 21.54 145 iPd 00 46.70 -0.7
 is 04 39.90
 ScP 08 23.20
 ScS 12 09.00
 SWI 22.26 279 ePc 00 54.50 0.0
 BRS 22.63 181 iPd 00 57.00 -1.1
 1.0s 93.00nm 5.2mb
 i 03 39.00
 es 05 00.00
 iScP 08 26.50
 i 08 51.00
 iScS 12 12.00
 MTN 23.30 248 eP 01 03.50 -1.1
 WB5 23.81 229 iPc 01 09.70 0.1
 WB2 23.86 229 iPd 01 10.10 0.0
 0.7s 6.10nm 4.2mb X
 i 01 13.00
 es 05 28.30
 iScP 08 31.00
 ARMA 25.69 183 iPc 01 27.60 0.1
 iScP 08 36.00
 e 11 53.00
 KNA 26.45 244 eP 01 33.00 -1.5
 ASPA 26.56 223 iPd 01 35.60 0.1
 0.9s 73.00nm 5.3mb
 es 06 14.70
 esCS 12 27.70
 RIV 29.11 184 iPc- 01 59.70 1.3
 z 18s 0.48um 4.2MsZX
 ePP 02 59.00
 is 06 50.00
 eScP 08 45.80
 STK 29.22 201 eP 01 56.50 -2.9
 0.9s 29.30nm 4.9mb X
 es 06 40.60
 iScP 08 45.10
 iScS 12 35.40
 BIP 29.79 295 ePd 02 03.50 -1.3
 DAV 29.96 293 eP- 02 04.40 -1.9
 e 08 48.50
 BWA 29.97 188 eP 02 05.00 -1.2
 ePP 02 09.80 17kmX
 e 02 28.20
 iPP 03 47.10
 iScP 08 47.30
 CNB 30.73 186 iPc 02 12.90 0.0
 1.1s 360.00nm 6.0mb
 iPP 02 32.50 85kmX
 eScP 08 50.70
 CAN 30.78 187 eP 02 12.70 -0.6
 ePP 02 17.60 17kmX
 e 02 30.30
 iScP 08 50.60
 CTB 31.27 292 ePc 02 19.50 1.7
 CGP 31.29 295 eP 02 17.50 -0.5
 PLP 32.20 299 ePd 02 23.80 -2.2
 MAP 32.70 297 ePd 02 30.00 -0.3
 ADE 33.04 202 iPd 02 32.10 -1.0
 TOO 33.53 191 eP 02 36.00 -1.3
 1.1s 388.00nm 6.2mb
 i 06 57.70
 eScP 09 00.00
 MKS 33.64 268 iPd 02 37.40 -1.1
 FORT 35.18 219 eP 02 50.00 -1.5
 0.5s 139.00nm 6.1mb
 GQP 35.67 302 ePc 02 57.50 1.6
 AFI 35.69 107 eP 03 00.00 3.8X
 es 08 28.00
 OUZ 35.78 151 eP 02 58.50 1.9
 e 03 13.70
 MBL 36.33 240 eP 03 00.00 -1.4
 TSM 36.42 284 ePc 03 02.00 -0.2
 e 09 11.10
 WCZ 36.72 151 eP 03 05.60 1.1
 e 03 26.00

	Z	20s	57.10um		6.6MsZ
	N	20s	22.80um		
	E	20s	22.50um		
			PcP	06 32.00	
			S	13 04.00	
			SS	16 43.00	
PCT	54.83	291	ePd	05 28.20	0.2
	0.9s	9.80nm			4.8mb X
LOE	55.35	295	iPc	05 31.40	-0.4
NNT	55.84	288	iPc	05 34.00	-1.4
BJI	56.00	326	Pc	05 36.00	-0.1
	2.0s	1050.00nm			6.5mb
	Z	24s	26.80um		6.2MsZx
	N	22s	20.70um		
			eScP	10 29.50	
			PcS	10 34.00	
			eS	13 16.00	
			eSS	17 00.00	
NST	56.29	292	iPd	05 38.00	-0.6
TIY	56.67	322	eP	05 40.70	-0.4
	1.2s	200.00nm			6.0mb
	Z	30s	62.30um		6.5MsZx
	E	23s	36.90um		
			S	13 29.00	
XAN	56.80	316	Pc	05 41.40	-0.7
	0.5s	220.00nm			6.4mb
	Z	36s	60.90um		6.4MsZx
	N	22s	29.50um		
	E	20s	27.70um		
			pP	06 04.00	91kmX
			sP	06 09.00	
			S	13 30.00	
			SS	17 23.00	
AFR	57.17	108	iPc	05 43.70	-1.1
KMI	57.25	304	iPc	05 46.00	0.4
	1.8s	1100.00nm			6.6mb
	Z	25s	89.20um		6.8MsZx
	N	19s	16.10um		
	E	21s	33.70um		
			pP	06 05.00	74kmX
			sP	06 11.00	
			PcS	10 37.50	
			S	13 40.00	
PPT	57.36	108	iPc	05 44.90	-1.3
	Z	34s	635.00um		7.5MsZx
PAE	57.37	108	iPc	05 44.90	-1.3
PPN	57.50	108	iPc	05 45.70	-1.4
PET	57.62	4	iPc+	05 47.00	-0.3
	1.2s	280.00nm			6.2mb
	Z	19s	15.60um		6.1MsZ
	N	19s	13.50um		
			e	09 20.00	
			eS	13 42.00	
TVO	57.69	108	iPc	05 47.00	-1.6
BDT	57.78	294	eP	05 48.00	-1.1
	0.5s	113.50nm			6.2mb
CHTO	58.31	295	ePc	05 52.60	-0.2
	1.6s	393.70nm			6.3mb
			eS	13 51.00	
PMO	58.76	105	iPc	05 54.60	-1.3
CD2	58.96	310	iPc	05 57.10	-0.1
	1.2s	1180.00nm			6.9mb
	Z	27s	76.80um		6.7MsZx
	N	12s	12.50um		
			sP	06 23.00	
			ScP	10 43.00	
TPT	59.03	105	iPc	05 56.30	-1.5
VAH	59.03	105	iPc	05 56.30	-1.5
HHC	59.17	324	iPc	05 58.00	-0.6
	1.2s	130.00nm			5.9mb
	Z	28s	75.60um		6.7MsZx
	N	19s	14.20um		
	E	18s	17.30um		
			sP	06 20.00	
			PP	08 12.00	
			PcS	10 45.00	
			S	14 02.00	
RUV	59.27	105	iPc	05 57.80	-1.7
SMY	59.83	15	eP+	06 02.65	-0.1
	0.9s	395.43nm			6.5mb
	Z	19s	54.17um		6.7MsZ
BTO	59.93	323	iPd	06 04.00	0.2
	1.2s	630.00nm			6.6mb
	N	20s	10.70um		
	E	16s	7.94um		
			sP	06 26.00	
			PcP	06 49.00	

06d 04h

				S	14	09.00	
				sS	14	34.00	
				eSS	18	07.50	
LZH	61.42	316	iPc	06	15.00		0.9
	1.8s	2040.00nm					7.0mb
Z	25s	44.40um					6.5MsZx
E	20s	25.80um					
			pP	06	33.00		69kMx
			PP	08	31.00		
			S	14	30.00		
			sS	15	02.00		
ADK	61.87	21	eP	06	16.40		-0.2
DRV	62.60	186	iP	06	24.20		3.0X
			S	14	48.00		
			SS	19	24.00		
CIT	65.70	334	iPc	06	44.00		2.2
			e	07	18.00		
			e	15	30.00		
GTA	65.83	317	iPc	06	43.40		0.5
	1.0s	210.00nm					6.1mb
Z	20s	63.30um					6.8MsZ
N	19s	10.20um					
			pP	07	04.00		79kMx
			sP	07	13.00		
			PP	09	07.00		
			eS	15	26.00		
CSY	68.30	197	iPc	06	57.10		-0.8
	1.0s	56.60nm					5.5mb
LSA	68.50	304	iPc	07	01.00		0.6
	1.0s	72.00nm					5.6mb
			pP	07	18.00		63kMx
			PP	09	26.00		
			sS	16	52.50		
YAK	68.88	348	iPc+	07	01.40		-0.1
	1.5s	1380.00nm					6.7mb
			i	07	21.00		
			i	09	39.00		
			i	11	16.00		
			iS	15	59.00		
			iPS	16	24.00		
			i	16	56.00		
ZAK	69.58	328	iPc	07	06.30		0.3
	1.6s	627.00nm					6.3mb
			e	07	26.00		
			eS	16	08.00		
			e	16	50.00		
IRK	70.18	331	iP+	07	09.00		-0.6
	1.5s	277.00nm					6.0mb
			e	07	20.00		
			e	07	34.00		
			e	09	42.00		
			eS	16	43.00		
SDN	70.87	26	ePc	07	12.48		-1.3
	0.9s	405.51nm					6.4mb
GUN	72.41	301	Pc	07	24.40		0.4
KKN	72.89	301	Pc	07	26.80		0.2
DMN	72.99	301	Pc	07	27.40		0.1
SBA	73.51	177	iPc	07	31.00		2.0
ILT	75.02	11	iPc	07	38.00		0.1
	0.9s	220.00nm					6.1mb
			i	10	28.00		
			iS	17	08.00		
			iPS	17	40.00		
			i	18	12.00		
ANM	75.50	17	eP	07	39.85		-0.9
KDC	75.86	27	eP	07	42.02		-0.8
	0.6s	45.03nm					5.6mb
WMQ	75.92	317	iPc	07	44.50		0.9
	1.5s	470.00nm					6.2mb
Z	28s	20.10um					6.3MsZx
N	16s	6.18um					
			PcP	07	58.50		
			sP	08	07.20		
			PP	10	30.00		
SVW	76.50	23	eP	07	46.78		0.3
	0.7s	185.57nm					6.2mb
HYB	76.85	289	iPc	07	48.80		-0.4
	1.						

			i	10	54.00	
			ePPP	12	40.00	
			eS	17	40.00	
			iPS	18	46.00	
CP2	77.93	24	eP	07	53.47	-1.1
CRP	77.96	24	eP	07	52.82	-1.9
SLKM	78.34	25	P	07	44.80	-11.9X
PMR	79.36	24	eP+	08	01.16	-1.0
	1.2s	227.60nm				6.0mb
Z	21s	17.68um				6.4MsZ
			PP	11	10.36	
			SP	18	57.46	
NDI	80.02	300	ePc	08	06.50	0.1
	0.8s	242.54nm				6.2mb
IMA	80.16	19	eP	08	05.15	-1.4
	1.4s	130.16nm				5.7mb
KLU	80.65	25	iPc	08	09.27	0.1
TOA	80.84	25	ePc	08	10.80	0.7
POO	81.44	289	iPc	08	12.50	-1.5
	1.0s	260.00nm				6.2mb
COL	81.58	22	iPc	08	12.83	-1.0
	1.8s	698.82nm				6.3mb
FBA	81.58	22	iPc	08	12.60	-1.2
PAF	81.95	221	iPc	08	19.80	3.8X
			ePP	11	39.00	
			iS	18	30.00	
			eSS	23	42.00	
			eSSS	28	06.00	
BALM	82.00	26	eP	08	15.57	-0.6
BRW	82.50	14	eP	08	17.79	-0.7
KSH	83.14	310	iPc	08	25.00	2.4
	0.6s	1100.00nm				7.1mb
Z	28s	22.90um				6.4MsZ
N	18s	11.70um				
E	18s	10.30um				
			pP	08	42.00	61kmX
			sP	08	49.00	
			PP	11	41.00	
			SKS	18	39.00	
			sS	19	11.00	
SIT	83.92	31	eP	08	26.24	0.3
	1.2s	68.45nm				5.6mb
Z	20s	12.88um				6.3MsZ
FRU	84.82	314	iPc+	08	32.20	1.3
	1.8s	2310.00nm				7.0mb
			e	11	44.00	
SPA	85.39	180	iPc	08	33.70	0.3
	0.7s	492.19nm				6.8mb
MAW	85.88	203	iPd	08	35.40	-0.2
	0.7s	20.20nm				5.4mb
Z	22s	9.35um				6.1MsZ
			ipP	08	49.20	47kmX
			i	14	42.80	
			iSKS	18	52.80	
			iSS	24	31.40	
			i	31	15.80	
KMPM	87.39	49	(P)	08	44.70	1.1
ARC	87.49	49	eP	08	44.89	0.9
	1.7s	230.00nm				6.1mb
Z	21s	24.00um				6.6MsZ
			ePP	12	07.89	
			iS	19	10.89	
			iPS	19	24.89	
			eSS	25	17.89	
			eSSS	28	28.89	
			iLQ	32	14.89	
			eLR	35	13.89	
FHC	87.55	49	P	08	57.00	12.7X
INK	88.15	21	eP	08	46.50	-0.1
	1.1s	102.00nm				6.0mb
			pP	09	19.00	126kmX
LGPM	88.43	49	eP	08	48.92	0.2
			ePP	12	22.66	
STAN	88.50	52	iPc	08	49.10	0.2
	2.0s	590.00nm				6.5mb
Z	21s	36.00um				6.8MsZ
BKS	88.51	52	iPc	08	48.94	0.0
	1.8s	360.00nm				6.4mb
Z	21s	44.00um				6.9MsZ
			ePP	12	09.09	
			iS	19	14.09	
			iPS</			

			S	19	36.27	
YBH	88.63	48	iPc	08	50.07	0.5
	1.5s		110.00nm			5.9mb
Z	21s		33.00um			6.7Msz
			iPPc	12	24.52	
			iS	19	16.52	
			iPs	19	32.52	
			eSS	25	29.52	
			eSSS	28	55.52	
			eLQ	32	38.52	
			eLR	36	07.52	
COE	88.88	53	P	09	04.40	13.7X
BMW	88.89	43	eP	08	50.53	-0.1
MHC	88.91	53	ePc	08	51.19	0.1
	1.6s		190.00nm			6.2mb
Z	21s		38.00um			6.8Msz
			e	09	24.19	
			ePPc	12	23.19	
			eS	19	17.19	
			iPs	19	36.19	
			eSS	25	39.19	
			eSSS	28	39.19	
			iLQ	32	42.19	
			eLR	36	09.19	
ARN	89.00	53	eP	08	52.27	0.9
SAO	89.01	53	P+	08	51.85	0.5
Z	22s		31.81um			6.7Msz
			S	19	38.84	
LBFM	89.19	49	eP	08	52.76	0.4
			ePP	12	27.51	
ORV	89.28	50	iPc	08	50.67	-1.9
	1.8s		270.00nm			6.3mb
Z	21s		35.00um			6.8Msz
			e	09	16.67	
			ePP	12	12.67	
			iS	19	18.67	
			iPs	19	39.67	
			i	21	46.67	
			eSS	25	13.67	
			eSSS	29	04.67	
			iLQ	32	50.67	
			eLR	36	27.67	
MIN	89.29	50	iPc	08	52.30	-0.5
	1.6s		90.00nm			5.8mb
Z	21s		31.00um			6.7Msz
			ePP	12	13.71	
			iS	19	16.71	
			iPs	19	37.71	
			eSS	25	41.71	
			eSSS	29	02.71	
			iLQ	32	51.71	
			eLR	36	27.71	
GMW	89.33	42	eP	08	52.06	-0.6
			ePP	12	25.10	
SHW	89.53	44	P	08	35.20	-18.6X
PHAM	89.75	54	eP	08	55.43	0.6
LON	89.89	43	eP	08	55.10	-0.3
BCH	89.94	55	eP	08	56.53	0.6
RMW	89.98	43	eP	08	55.14	-0.6
			ePP	12	32.94	
CMB	89.98	52	iPc	08	55.47	-0.5
	1.8s		190.00nm			6.1mb
Z	21s		46.00um			6.9Msz
			ePP	12	17.68	
			iS	19	23.68	
			iPs	19	43.68	
			iSS	25	54.68	
			eSSS	29	13.68	
			iLQ	32	55.68	
			eLR	36	40.68	
VGB	90.47	45	eP	08	57.86	-0.2
ABL	90.61	55	eP	08	59.66	0.5
MEMPM	91.01	53	eP	09	00.18	-0.9
MEMM	91.09	52	eP	09	01.96	1.0
ISA	91.29	55	ePc+	09	01.72	-0.3
Z	19s		22.15um			6.6Msz
			ePP	12	40.62	
MRCM	91.43	53	(P)	09	03.41	0.6
BONR	91.61	52	eP	09	03.43	-0.4
SSK	91.81	56	eP	09	04.85	0.2
PEC	92.23	56	eP	09	06.21	-0.2
	1.6s		202.73rnm			6.3mb
DPW	92.44	42	eP	09	06.68	-0.4
PLM	92.4					

			ePP	13	51.75		N	24s	6.00um		
			e	14	04.26		E	20s	3.50um		
NEW	93.19	42	ePc	22	41.63				e	14	27.00
	1.3s	79.18nm							i	15	10.00
	Z	21s	42.96um			SHI	101.58	299	ePdiff09	46.00	-3.2X
MBC	93.86	14	iPc	51	ePdiff09	48.90	GOL	101.72	51	ePdiff09	48.90
	2.5s	1685.00nm						1.3s	10.61nm		5.3mb
			PP	13	55.34		GLD	101.83	51	Pdiff09	51.29
			PPP	14	51.70			1.7s	21.30nm		5.5mb
			SKS	19	42.70			Z	21s	24.94um	6.7Msz
			S	20	17.00		GLD	101.83	51	Pdiff	09
			SSS	30	20.80			1.3s	19.60nm		5.6mb
GLA	94.13	57	eP	09	15.85	0.7		Z	21s	24.94um	6.7Msz
			ePP	13	04.28		RSSD	102.36	46	ePdiff09	51.29
CRZF	94.47	223	iPd	09	21.00	4.6X		1.4s	19.32nm		5.6mb
			ePP	13	03.00			Z	20s	9.70um	6.3Msz
			iS	19	54.00		BAK	103.15	310	iPdiff09	58.00
			eSP	21	39.00				iS	20	30.00
			eSS	26	33.00		KBS	103.26	353	ePdiff09	56.00
YKA	95.09	28	eP	09	18.30	-0.5	SNA	103.41	188	e(Pdiff09	57.70
	0.6s	15.40nm				5.6mb		0.8s	34.00nm		6.2mb
SVE	95.27	327	iPc+	09	19.00	-0.8	MAK	104.69	313	ePdiff10	00.00
	1.9s	660.00nm				6.8mb		Z	18s	8.00um	6.3Msz
	Z	18s	15.00um			6.5Msz		N	18s	2.50um	
	N	18s	4.00um					E	18s	12.00um	
	E	18s	10.50um						iS	20	35.00
			e	09	32.00				ePS	21	48.00
			i	13	11.00		KER	105.91	304	ePdiff10	07.00
			i	19	49.00		GRO	105.91	314	iPdiff10	07.00
			ePS	21	49.00		TAB	106.15	308	iPdiff10	10.00
ARUT	95.44	53	eP	09	21.37	0.1			i	12	48.00
MAIO	95.73	306	iPc	09	12.60	-9.9X			e	14	26.00
	0.9s	36.23nm				5.9mb	MTA	106.81	312	iPdiff10	12.60
DUG	95.99	50	eP	09	23.04	-0.6	ACO	106.88	53	e(Pdiff10	22.60
	1.1s	17.01nm				5.5mb	ERE	107.27	311	iPdiff10	14.00
	Z	21s	24.56um			6.7Msz	MEO	107.56	55	e(Pdiff10	18.20
DUG	95.99	50	P	09	29.20	5.5X	PYA	107.67	315	iPdiff10	15.00
	1.3s	6.91nm				5.0mb X	SDF	107.75	341	iPdiff10	15.10
	Z	21s	24.56um			6.7Msz	DAG	107.79	358	iPdiff10	16.00
HVV	96.04	49	eP	09	23.56	-0.4		0.5s	11.97nm		6.3mb
LRM	96.31	45	eP	09	22.00	-3.2X	KIV	107.95	315	iPdiff10	13.60
HHAI	96.35	47	(P)	09	25.62	0.4	MOS	108.05	328	ePdiff10	17.00
			ePP	13	18.40		TRO	108.60	345	ePKP	14
PTI	96.35	48	(P)	09	26.33	1.0				26.60	2.0X
ARU	96.40	326	iPc+	09	23.00	-2.0	OBN	108.82	327	iPdiff10	20.00
	1.0s	250.00nm				6.7mb		1.6s	168.00nm		7.0mb
			e	13	15.00			Z	22s	24.00um	6.7Msz
			e	15	23.00			N	20s	9.10um	
			iS	19	56.00			E	22s	14.00um	
			e	20	47.00				ePPP	17	12.00
			e	21	59.00				i	20	55.00
MSU	96.46	52	ePKPd09	25.97	0.0				iPS	24	12.00
ASH	96.68	308	eP	09	27.00	0.4			iPPS	25	10.00
	1.5s	330.00nm				6.6mb			iSSS	34	10.00
	Z	20s	10.61um			6.3Msz	OBN	108.82	327	(PKP)	14
	N	20s	10.42um					Z	21s	*****um	9.6MszX
	E	20s	8.88um						iPP	14	48.70
			e	09	43.00				iSKS	20	55.70
			i	13	25.00				iSKKS	21	49.40
			iS	20	02.00				(SKKKS22	12.70	
			e	20	36.00				iPS	24	11.70
TUC	97.51	58	eP	09	32.72	2.1			iSS	30	36.70
	1.4s	12.69nm				5.3mb			eSSS	34	08.80
	Z	19s	17.83um			6.6Msz			LR	00	57.40
SRU	97.75	51	eP	09	30.91	-0.8	TUL	109.67	54	iPKP	14
BW06	98.43	48	ePc	09	33.11	-1.6	PUL	110.08	333	ePdiff10	25.00
PV09	98.84	52	P	09	30.70	-6.1X		1.0s	170.00nm		-1.0
PV08	99.22	52	P	09	51.60	13.0X		Z	22s	19.00um	6.6Msz
NVL	100.51	192	ePdiff09	44.00	0.8			N	22s	4.20um	
	Z	18s	20.00um			6.7Msz		E	22s	10.00um	
	N	18s	17.50um						e	14	28.00
	E	18s	9.00um						e	15	00.00
			e	10	41.00				e	21	00.00
			e	14	16.00				e	21	31.00
			e	16	10.00				e	24	25.00
			iS	20	16.00		SOC	110.13	315	ePdiff10	24.00
			e	21	29.00			Z	22s	8.50um	-2.7X
			e	22	16.00			N	20s	2.50um	6.3Msz
			i	22	44.00			E	22s	1.50um	
			e	23	40.00				e	21	04.00
			e	26	10.00				ePS	24	30.00
			e	28	42.00				eSS	30	36.00
			e	31	50.00		KAF	110.64	336	iPdiff10	26.40
			e	32	34.00			0.7s	16.80nm		-2.1X
ALQ	101.09	55	ePdiff09	47.07	0.1		KAF	110.64	336	iPKP	14
	Z	22s	2.60um			5.7Msz		0.6s	23.20nm		-0.9
			e	10	37.29		ANN	111.49	317	ePdiff10	31.00
								Z	22s	8.50um	-1.7
											6.3Msz

06d 04h

BCK	118.46	310	ePKP	14	42.40	-2.1	SRS	122.21	317	ePKP	14	50.60	-0.9	KHC	124.03	329	Pdiff	11	29.00	0.5	
KONO	118.48	340	ePdiff11	12.00	8.6X		OUR	122.27	316	ePKP	14	51.44	-0.1		1.0s	3.50nm					
KONO	118.48	340	ePKP	14	43.60	-0.1	CER	122.33	225	ePKP	14	50.00	-2.0			e	11	40.00			
ELF	118.53	43	PKP	14	44.90	0.5		0.9s	316.00nm					KHC	124.03	329	iPKP	14	55.50	0.7	
MTD	118.55	248	iPKPd	14	30.00	-15.3X			e	18	04.00				1.0s	131.50nm					
			ipP	14	32.80		VRAC	122.35	328	iPKPc	14	51.90	0.5		Z	24s	16.40um			6.6MszX	
			i	14	47.80			1.2s	132.20nm					N	24s	13.80um					
			i	18	04.00				i	14	52.20			E	24s	9.90um					
SLR	118.71	237	iPKPd	14	44.50	-0.9			e(PP)	16	28.30					e	15	09.00			
	0.4s	32.00nm							e	18	24.00					e	15	44.70			
Z	22s	27.10um			6.8Msz				e	21	34.30					ePP	16	40.00			
		e	18	17.60					e(SKS)	21	49.30					e	18	28.40			
AKU	118.76	356	iPKP	14	46.10	2.0X	RSNY	122.36	39	PKP	15	00.00	8.4X			eSKS	21	54.00			
	0.9s	73.95nm					Z	21s	12.39um			6.5Msz		GPD	124.07	42	ePKP	14	53.83	-1.3	
		i	15	58.40			SOH	122.50	316	ePKP	14	48.40	-3.7X			eSKP	18	27.81			
		i	18	18.30			BLE	122.50	225	iPKPd	14	57.00	4.8X		HOF	124.11	331	iPKPc	14	55.00	0.1
MLR	118.81	320	ePKPd	14	45.00	0.0		1.0s	100.00nm					OHR	124.11	318	iPKPc	14	54.70	-0.5	
CTT	118.84	315	ePKP	14	45.00	0.0	CVL	122.51	47	ePKP	14	52.41	0.3			i	14	58.50			
KHL	118.99	312	iPKP	14	44.00	-1.5	BINY	122.52	42	ePKP	14	51.20	-0.8			i	15	03.20			
BLF	119.12	233	ePKP	14	46.50	0.4		Z	19s	11.43um		6.5Msz									
	0.5s	43.00nm							eSKP	18	23.75			LEBH	124.13	38	PKP	14	56.33	1.2	
MYNC	119.14	52	ePKP	14	46.02	0.2	PAIG	122.65	315	ePKP	14	51.44	-0.8		Z	21s	17.52um			6.7Msz	
ACTO	119.21	42	PKP	14	46.20	0.5	ZST	122.72	327	ePdiff11	23.30	0.7		GEC2	124.14	329	e(PKP)	14	51.50	-3.6X	
DST	119.23	313	ePKP	14	46.00	0.1	ZST	122.72	327	i(PKP)	14	51.80	-0.3			0.6s	0.80nm				
BMR	119.33	323	ePKPd	14	47.00	1.3			i	18	25.30			GEC2	124.14	329	ePdiff11	29.00	-0.1		
EDC	119.52	314	ePKP	14	45.00	-1.4	HBF	122.74	54	ePKP	14	52.06	-0.6			0.6s	2.18nm				
FRS	119.53	232	ePKP	14	44.00	-2.7X	BRG	122.74	331	iPdiff11	22.70	0.1				e	11	32.30			
	0.5s	16.00nm						1.0s	210.00nm							e	11	39.50			
TYNO	119.54	42	PKP	14	46.65	0.4	BRG	122.74	331	iPKP	14	52.50	0.4				e	12	57.90		
UZH	119.56	325	ePdiff11	07.50	-1.0	CEH	122.79	50	PKP	14	51.78	-0.9		TBR	124.18	42	ePKP	14	54.35	-0.9	
	1.0s	31.00nm					Z	21s	15.98um		6.6Msz		BNH	124.35	37	ePKP	14	56.78	1.2		
Z	23s	16.00um			6.6MszX		VAY	122.82	317	iPKP	14	51.50	-1.1	WET	124.37	329	iPKPc	14	55.90	0.5	
N	23s	10.00um						0.8s	170.00nm						1.0s	112.00nm					
E	23s	13.00um					THE	122.85	316	ePKP	14	52.44	-0.2			i	18	28.80			
		i	14	45.00			CLL	122.92	331	ePdiff11	23.00	-0.4		KMR	124.41	328	iPKP+	14	55.80	0.3	
		e	15	01.80				1.1s	13.00nm							iPP	16	41.20			
		e	16	10.00			CLL	122.92	331	iPKP	14	52.80	0.4	PAL	124.45	42	PKP	14	53.10	-2.7X	
		e	21	36.00				0.8s	240.00nm					EDR	124.45	344	iPKPc	14	54.90	-0.4	
		ePS	26	00.00				Z	19s	13.00um		6.6Msz		TTG	124.50	320	iPKPd	14	55.78	0.0	
		eSS	32	50.00					iSKP	18	25.00			SDA	124.53	319	ePKP	14	57.00	1.1	
BSD	119.57	334	iPKPc	14	46.00	0.1			eSKS	21	48.00			LSCT	124.59	41	ePKP	14	55.09	-0.9	
	0.7s	96.00nm					PRU	123.00	329	ePdiff11	22.00	-1.8		Z	20s	16.60um			6.7Msz		
MFT	119.78	315	ePKP	14	48.00	1.1	PRU	123.00	329	PKPc	14	52.40	-0.2	TIR	124.63	318	ePKP	14	55.40	-0.7	
KSR	119.82	237	ePKP	14	45.00	-2.6X		0.8s	49.10nm				WIT	124.66	336	ePKP	14	57.00	1.3		
	1.2s	60.00nm							i	14	54.80				ePP	18	12.00				
		e	18	20.00					PP	16	32.30				e	18	30.00				
STCO	119.97	42	PKP	14	47.09	0.0			i	17	05.80		PTJ	124.67	325	iPKP	14	56.40	0.2		
OJC	120.12	327	ePdiff11	10.40	-0.6				i	17	29.50		BRY	124.72	321	iPKPd	14	56.09	-0.3		
WLVO	120.18	41	PKP	14	48.03	0.6			SKS	21	49.40		ULC	124.73	319	ePKPd	14	56.08	-0.2		
COP	120.25	336	iPKPc	14	48.00	0.8			eSKKS	23	23.00		GRF	124.84	331	ePdiff11	32.90	0.9			
		e	16	07.00					SP	26	21.60				0.9s	10.00nm					
		e	25	56.00					PS	26	28.80			Z	20s	12.00um			6.6Msz		
BUL	120.30	244	iPKPd	14	47.80	-0.8			SKKP	28	19.00				e	11	36.10				
		i	14	51.00			GRG	123.10	317	ePKP	14	52.92	-0.3	GRF	124.84	331	ePKPc	14	56.80	0.5	
		i	18	22.10			VKA	123.11	327	iPKPc	14	53.70	0.8			e(PP)	16	49.30			
CIN	120.30	311	iPKPc	14	48.00	0.1		8.0s	3821.00nm						e	18	29.00				
SPC	120.43	326	ePdiff11	13.70	1.1			Z	21s	6.70um		6.3Msz		CBM	124.84	33	ePKP	14	56.02	-0.3	
SPC	120.43	326	iPKP	14	48.50	0.4			i	16	37.00			BDV	124.85	320	iPKPd	14	56.49	0.0	
		e	18	20.20					i	18	26.00			EDU	124.90	344	iPKP	14	55.60	-0.5	
REY	120.52	358	iPKP	14	50.30	2.9X			LR	08	20.00			HCY	124.98	320	iPKPd	14	57.15	0.4	
DEV	120.54	322	ePKPd	14	49.00	0.9	CBN	123.22	47	ePKP	14	54.00	0.6	TPE	125.02	317	ePKP	14	56.00	-0.9	
ALN	120.60	315	ePKP	14	48.28	-0.1	SKO	123.29	318	iPKPc	14	53.30	-0.2	IGT	125.15	316	ePKP	14	57.32	0.1	
YSNY	120.69	43	ePKP	14	47.54	-1.0		1.2s	140.00nm				ELO	125.16	345	iPKPc	14	56.60	-0.1		
	Z	21s	21.35um		6.8Msz			Z	27s	17.18um		6.6MszX	WTS	125.21	335	iPKP	14	57.30	0.5		
EZN	120.81	314	iPKP	14	47.80	-1.0			i	14	55.60				0.9s	118.90nm					
GZR	120.85	321	ePKPc	14	48.00	-0.8			i	15	04.40					ePP	18	13.00			
MCWV	120.89	46	PKP	15	00.00	11.0X			i	16	43.00					e	18	30.00			
	Z	21s	7.97um		6.3Msz				i	18	24.40		SRN	125.22	317	iPKP	14	59.40	2.1X		
MUD	120.99	338	iPKPc	14	48.90	0.4			i	21	51.00		HRV	125.25	40	ePKP	14	58.48	1.2		
	0.9s	46.00nm							i	27	55.00			Z	21s	14.43um			6.6Msz		
NAV	121.02	49	ePKP	14	49.11	-0.2			LR	05	57.00					PP	16	49.10			
RAC	121.05	328	iPKP	14	49.50	0.6	LIT	123.40	316	iPKP	14	52.88	-0.9	BHG	125.28	328	iPKPc	14	57.10	-0.1	
		i	14	52.10			POF	123.86	230	e(PKP)	14	58.00	3.0X		1.1s	146.00nm					
		e	16	22.00				0.5s	25.00nm							e	14	58.20		0.8	
		i	18	22.50					e	18	20.00			VLO	125.29	318	ePKP	14	58.20	0.8	
		i(SKS)	21	46.50										EBH	125.30	344	iPKPc	14	56.80	-0.1	
JSC	121.63	52	ePKP	14	51.29	0.8	FNA	123.87	317	ePKP	14	54.60	-0.2	VBV	125.30	325	ePdiff11	35.50	1.3		
DPC	121.82	329	ePKP	14	50.25	-0.2	IVA	123.87	320	iPKPd	14	54.68	-0.1			e	14	52.20			
SSPA	121.89	44	PKP	15	00.00	9.2X	PVY	123.96	320	iPKPd	14	54.79	-0.2	VBV	125.30	325	iPKP	14	58.10	0.8	
	Z	21s	0.11um		4.5MszX		PEL	123.96	135	iPKP	14	55.40	0.2	MIM	125.31	36	ePKP	14	56.45	-0.8	
LHS	121.93	52	ePKP	14	50.70	-0.4		0.9s	100.84nm					ESY	125.34	344	ePKPc	14	56.80	-0.2	
BRNL	122.02	332	iPKPc	14	51.60	0.9															

			eSKKS	23	39.50				0.8s	225.70nm			CVT	131.20	318	PKP	15	11.18	2.4X						
KBA	125.43	327	iPKPc	14	56.80	-0.9		YRC	128.23	343	ePKPc	15	02.50	-0.1				AGO	131.26	332	PKP	15	09.26	0.6	
			i	15	03.40			ASS	128.23	324	PKP	15	02.20	-0.9				FRF	131.30	328	ePKP	14	54.20	-14.6X	
EDI	125.50	344	iPKPc	14	57.20	-0.1		BSF	128.25	332	PKP	15	03.27	0.2					0.9s	17.05nm					
EAB	125.57	345	iPKPc	14	57.10	-0.4		CRE	128.31	325	PKP	15	02.92	-0.4				MAF	131.39	333	ePKP	14	55.40	-13.5X	
EBL	125.59	344	ePKPc	14	56.70	-0.8			0.9s	67.90nm							LPF	131.47	337	ePKP	14	53.30	-15.7X		
EAU	125.64	344	iPKPc	14	57.60	0.0		HAU	128.33	332	ePKP	14	49.10	-14.0X					0.9s	14.40nm					
CEY	125.64	325	ePKPd	14	57.70	-0.3			0.7s	7.05nm							TCF	131.50	333	ePKP	14	53.20	-16.0X		
			e	18	08.00			Z	24s	23.00um							LRG	131.53	328	ePKP	14	54.70	-14.5X		
			eSKP	18	29.50			VITF	128.35	333	PKP	15	03.27	0.2					0.9s	20.45nm					
RBL	125.69	327	PKP	14	57.54	-0.6		TMA	128.41	329	ePKP+	15	03.20	-0.3				PYM	131.54	332	PKP	15	09.86	0.5	
VOY	125.76	326	iPKP	14	58.00	-0.3		LOMF	128.57	331	PKP	15	03.78	0.1				LBL	131.82	332	PKP	15	10.53	0.7	
			e	18	10.00			YRH	128.61	343	ePKPc	15	02.90	-0.5				LSF	131.83	334	ePKP	14	53.80	-16.0X	
			eSKP	18	30.90			FIR	128.62	325	ePKP	14	56.00	-7.7X				MFF	132.27	335	ePKP	14	57.10	-13.5X	
DBN	125.80	336	ePKP	14	58.00	0.0		MNS	128.63	323	PKP	15	03.62	-0.2					0.9s	11.45nm					
Z	24s	9.60um				6.4MszX		VAI	128.63	329	PKP	14	50.56	-13.1X				SLA	132.36	130	e(PKP)	15	00.00	-11.6X	
			ePP	16	51.00			HAE	128.66	341	ePKPc	15	03.30	-0.2				RJF	132.56	333	ePKP	14	56.40	-14.8X	
			eSKS	22	01.00			DLF	128.73	345	ePKP	15	03.40	-0.2					1.0s	14.40nm					
			eSKKS	23	46.00				0.8s	120.00nm							Z	24s	12.00um					6.5MszX	
			ePS	26	47.00			SOI	128.78	317	PKP	15	04.38	0.2				BOG	132.87	88	ePKP		15	14.00	0.9
			ePPS	28	24.00			BDI	128.82	326	PKP	14	55.40	-8.8X					i	18	38.00				
			eSS	34	35.00			HTR	128.86	342	ePKP	15	04.90	1.0				LPO	133.19	333	ePKP	14	57.90	-14.5X	
BNS	125.81	334	ePdiff1	32.00	-4.3X			GMB	128.87	317	PKP	15	04.94	0.4					0.9s	10.95nm					
BNS	125.81	334	iPKPc	14	58.37	0.2		DCN	128.88	345	ePKP	15	04.00	0.1				HJA	133.22	128	e(PKP)	15	14.10	1.1	
	1.1s	120.00nm							0.8s	190.00nm							YJA	133.68	127	e(PKP)	15	01.00	-13.6X		
Z	20s	32.00um				7.0Msz		MMK	128.91	329	ePKP+	15	05.00	0.5			CNCB	134.03	119	ePKP	15	02.00	-13.5X		
			ePP	16	34.00			BOB	129.00	327	PKP	15	04.21	-0.3				LPB	134.04	118	PKP	15	06.00	-9.3X	
FUR	125.82	329	iPKPc	14	58.70	0.4		PII	129.07	326	PKP	15	03.30	-1.2				Z	23s	11.36um				6.5MszX	
			i	16	47.50			ATN	129.14	317	PKP	15	05.11	0.2					LR	00	06.00				
RIY	125.89	325	iPKPc	14	57.90	-0.5		DIX	129.17	330	ePKP+	15	05.50	0.4				LPZ	134.11	118	PKP	14	56.90	-18.8X	
EKA	126.00	344	PKPc	14	58.10	-0.3		ORO	129.20	329	PKP	14	52.54	-12.4X					i	15	08.40				
	0.8s	30.60nm						PSO	129.40	92	ePKP	15	08.00	1.4				ETER	134.16	329	ePKP	15	01.42	-12.9X	
FVI	126.03	327	PKP	14	58.40	-0.3		EMS	129.42	330	ePKP+	15	05.80	0.4				EPF	134.85	332	ePKP	15	02.00	-13.7X	
WATA	126.20	328	iPKPc	14	58.90	-0.3		PCP	129.63	328	PKP	14	51.17	-14.5X					0.9s	16.85nm					
			i	21	58.60			ECB	129.63	344	ePKP	15	05.00	-0.3				OGE	135.12	333	PKP	15	16.59	0.5	
			i	22	15.20			GIO	129.68	316	PKP	15	07.92	2.0				JAU	135.17	332	PKP	15	17.54	1.1	
WTTA	126.22	328	iPKPc	14	59.10	-0.2		ECP	129.69	344	iPKPc	15	06.00	0.6				ESCF	135.24	333	PKP	15	18.30	1.9X	
	1.8s	147.00nm						LSD	129.73	329	PKP	14	53.03	-13.1X				ATE	135.29	333	PKP	15	18.25	1.8	
			i	22	00.30			MNO	129.78	317	PKP	15	08.14	1.7				MADF	135.30	333	PKP	15	17.48	1.0	
LCI	126.38	318	PKP	15	01.00	1.4		CKI	129.85	328	PKP	14	53.65	-12.4X				ELYF	135.36	333	PKP	15	17.54	0.9	
MOTA	126.44	329	iPKPc	14	59.10	-0.6			0.8s	105.20nm								ISSF	135.38	333	PKP	15	17.54	0.8	
SQTA	126.47	329	iPKPc	14	59.80	0.1		RSP	129.89	329	PKP	14	55.02	-11.2X				LHE	135.39	333	PKP	15	17.41	0.7	
EMM	126.50	35	ePKP	14	59.09	-0.5		LPL	129.91	330	ePKP	14	49.50	-16.9X				CCH	135.40	120	ePKP	15	07.00	-10.8X	
CFA	126.54	135	e(PKP)	15	00.60	0.4			0.8s	5.10nm								i	18	45.50					
MEM	126.58	335	iPKPc	14	59.78	0.2		LPG	129.91	330	ePKP	14	49.40	-17.1X				BOH	135.42	333	PKP	15	17.41	0.6	
	0.8s	247.50nm							1.0s	15.40nm								ELIZ	135.60	334	ePKP	15	18.61	1.6	
BRT	126.61	319	PKP	15	00.44	0.4		LOR	130.01	333	ePKP	14	51.30	-15.0X				EGRA	135.80	332	ePKP	15	08.64	-8.7X	
OGA	126.79	328	ePKP	14	49.80	-10.6X			0.9s	7.85nm								ESEL	135.95	327	PKP	15	18.96	1.2	
			i	15	00.50			Z	27s	21.00um								ESEL	135.95	327	ePKP	15	10.33	-7.5X	
HOFF	126.91	332	PKP	15	01.40	1.1		MEU	130.04	316	PKP	15	09.84	3.1X				SDV	136.26	82	ePKP	15	13.50	-5.8X	
LANF	126.95	332	PKP	15	01.06	0.6		PZI	130.08	316	PKP	15	11.61	4.8X				EBR	136.45	330	(PKP)	15	04.00	-14.7X	
SRBF	126.98	332	PKP	15	01.22	0.8			1.0s	77.80nm								e	18	00.00					
UCC	127.13	336	PKP	15	01.00	0.4		BHB	130.10	329	PKP	14	54.09	-12.5X					i	18	48.00				
			e	17	01.00			ROB	130.15	328	PKP	14	55.55	-11.2X				ECRI	136.48	334	ePKP	15	06.69	-12.1X	
			i	23	54.00			LBF	130.17	333	ePKP	14	51.30	-15.3X				EROQ	136.49	330	PKP	15	21.20	2.4X	
WLF	127.21	334	iPKPc	15	01.70	0.9			0.6s	3.05nm							TOV	137.04	81	ePKP	15	09.20	-11.4X		
	1.0s	248.00nm						BNI	130.26	329	PKP	14	54.29	-12.7X				ETOR	137.69	332	ePKP	15	10.69	-10.5X	
			i	18	15.60			RRL	130.30	329	PKP	14	54.56	-12.6X				ECHE	138.11	330	ePKP	15	12.48	-9.5X	
LMN	127.31	33	ePKP	15	02.00	0.8		SSF	130.33	333	ePKP	14	51.90	-15.0X				ERUA	138.55	338	ePKP	15	12.89	-9.7X	
OSS	127.37	329	ePKP+	15	01.70	0.2			0.8s	13.15nm								STS	138.62	340	PKP	15	15.96	-6.7X	
SNF	127.38	336	PKP	14	48.80	-12.3X		DOI	130.34	328	PKP	15	04.28	-2.8X				STS	138.62	340	ePKP	15	11.49	-11.2X	
			ic	15	01.65			IMI	130.40	327	PKP	14	55.95	-11.3X				GUD	138.79	334	iPKPd	15	13.63	-9.6X	
WIM	127.47	344	ePKPc	15	01.00	-0.2		PZZ	130.42	328	PKP	14	56.95	-10.4X				SJG	139.25	68	ePKP	15	17.43	-7.1X	
SLE	127.47	331	ePKP+	15	01.20	-0.3		ENR	130.44	328	PKP	14	55.29	-12.0X				EZAM	139.32	339	PKP	15	23.97	0.0	
ORI	127.52	319	PKP	15	02.54	0.8		STV	130.48	328	PKP	14	55.29	-12.1X				EVIA	139.61	330	ePKP	15	16.93	-7.8X	
NNA	127.54	109	ePKP	15	03.50	0.9		SMF	130.49	333	ePKP	14	51.20	-16.0X				EALH	139.65	328	ePKP	15	17.07	-7.6X	
	1.1s	31.65nm							1.0s	10.60nm								BALB	139.77	333	ePKP	15	14.67	-10.3X	
DOU	127.56	335	PKP	14	48.50	-13.0X		SAOF	130.53	328	PKP	15	07.44	0.0				CAR	139.80	79	iPKP	15	08.50	-17.3X	
			ec	15	02.00			AUTN	130.59	328	PKP	15	08.41	0.6				EPLA	140.10	335	ePKP	15	17.07	-8.4X	
			e	18	17.70			LDF	130.66	337	ePKP	14</													

06d 04h

TOU	143.07	328	iPKP	15	23.00	-7.8X	MAHZ	1.65	127	eP	24	30.50	0.7	BBR	0.59	316	P	43	26.98	0.3
OJEN	143.09	331	iPKP	15	28.00	-2.9X	HBZ	1.78	71	eP	24	31.30	0.3	COSM	0.61	122	P	43	27.71	0.5
SFS	143.12	332	iPKP	15	28.00	-2.8X	TEHZ	1.84	165	P	24	31.90	0.2	ARN	0.63	141	ePc	43	27.63	0.3
CNIL	143.12	332	iPKP	15	28.00	-2.9X	BSZ	1.87	211	eP	24	32.50	0.6				eS	43	36.95	
PLAT	143.18	331	iPKP	15	28.00	-3.0X	PGZ	2.41	178	P	24	37.90	0.4	LOC	0.63	300	P	43	27.38	0.0
CPS	143.36	330	ePKP	15	26.00	-5.3X	MNG	2.47	193	Pc	24	38.50	0.2	JSTM	0.66	164	P	43	28.53	0.7
ANG	143.48	67	ePKP	15	27.88	-4.1X				S	25	07.60		AMC	0.69	168	P	43	29.09	0.6
RSTA	143.71	144	ePKP	15	28.00	-4.2X	KIW	2.83	200	P	24	42.30	-0.1	ADR	0.74	155	P	43	30.20	0.9
			e	15	33.20		MTW	3.00	190	P	24	44.10	-0.2	CMPM	0.74	130	P	43	29.68	0.3
			e	15	42.80		CAW	3.02	196	P	24	44.80	0.2	NTYM	0.75	318	ePc	43	29.39	0.1
			e	19	07.70		DIW	3.13	213	P	24	46.20	0.3	NCFM	0.78	309	P	43	30.01	0.1
TSY	143.88	331	ePKP	15	31.00	-1.2	BLW	3.21	190	eP	24	46.70	-0.1	NFIM	0.79	260	P	43	30.35	0.3
TZK	143.96	327	ePKP	15	27.00	-5.3X	MRW	3.23	200	P	24	46.70	-0.4	JRRM	0.82	163	P	43	31.20	0.6
DOG	143.96	69	ePKP	15	28.96	-3.9X				S	25	24.10		NSHM	0.82	326	P	43	31.04	0.4
BMK	144.16	330	iPKP	15	23.50	-9.2X	WEL	3.26	199	eP	24	47.60	0.2	JUCM	0.84	181	P	43	31.37	0.5
RSA	144.20	330	iPKP	15	28.00	-4.7X	MOW	3.29	192	P	24	47.50	-0.3	NBPM	0.84	351	P	43	31.71	0.8
PPD	144.23	139	ePKP	15	30.50	-2.7X	TCW	3.35	206	P	24	48.30	-0.1	HGWM	0.87	160	P	43	31.88	0.4
			e	15	32.00		QRZ	3.86	226	eP	24	54.80	0.1	NDHM	0.93	5	P	43	32.84	0.3
			e	15	36.30					eS	25	39.40		NMHH	0.96	330	P	43	33.84	0.7
ZER	144.43	328	iPKP	15	29.50	-3.6X	THZ	4.36	214	eP	25	01.60	0.6	PCL	0.98	143	P	43	33.61	0.3
TGT	144.44	328	ePKP	15	27.00	-6.1X				eS	25	50.90		SFL	0.99	150	P	43	33.50	0.0
PDF	144.71	71	ePKPc	15	32.30	-1.9	KHZ	4.67	205	P	25	04.90	0.0	OCR	1.01	156	P	43	35.45	1.6
GRW	144.72	76	ePKP	15	32.07	-2.2X				S	25	57.20		GAXM	1.04	327	P	43	33.91	-0.6
TCE	144.83	78	ePKP	15	32.12	-2.3X	LTZ	5.46	212	eP	25	14.70	-0.4	DIL	1.05	163	P	43	34.38	-0.1
SVB	144.91	74	ePKP	15	32.24	-2.3X				eS	26	12.70		GBGM	1.10	332	P	43	35.97	0.4
SVV	144.94	73	ePKP	15	32.48	-2.1X	MQZ	6.11	205	P	25	22.40	-1.0	LTR	1.11	149	P	43	35.82	0.2
FCV	144.94	74	ePKP	15	32.52	-2.0				eS	26	27.00		FTR	1.13	308	P	43	35.27	-0.6
SLB	145.01	73	ePKP	15	35.61	0.9								GARM	1.13	351	P	43	36.34	0.4
TPP	145.17	79	ePKP	15	32.78	-2.2X								GHCM	1.20	310	P	43	34.66	-2.5
TRN	145.18	78	ePKP	15	33.83	-1.1								GCVM	1.21	320	P	43	41.10	3.8
RTC	145.43	330	iPKP	15	32.00	-2.8X								GACM	1.23	328	P	43	38.47	0.9
TBH	145.53	78	ePKP	15	33.57	-2.0								BSRM	1.24	161	P	43	36.77	-1.0
ZFT	145.59	325	iPKP	15	32.50	-2.7X								GMKM	1.28	332	P	43	41.68	3.1
TPR	145.72	77	ePKP	15	35.78	-0.1								CMB	1.31	81	iPc	43	38.63	-0.4
TNF	145.76	327	iPKP	15	33.00	-2.4X											eS	43	55.82	
BOT	145.78	77	ePKP	15	35.61	-0.3								EKH	1.35	150	P	43	42.38	2.8
VAO	146.18	145	ePKP	15	36.90	0.4								BPRM	1.45	171	P	43	40.31	-0.7
			e	15	38.20									ORV	1.76	13	eP	43	43.85	-1.6
			e	15	43.00									MMPM	2.39	95	eP	43	55.54	0.7
			ePKP	15	45.20									MEMM	2.45	93	eP	43	56.93	1.6
			e(sPKP)	15	50.00												eS	44	27.03	
			e	15	54.00															
			i	16	01.80															
			e	19	14.60															
			e	19	19.60															
VAO2	146.24	146	ePKP	15	37.20	0.5														
			e	15	38.20															
			e	15	41.80															
OUK	148.16	328	iPKP	15	37.00	-2.3X														
CIA	148.34	330	iPKP	15	40.00	0.4														
JHA	148.52	331	iPKP	15	41.00	1.1														
YBT	150.08	329	iPKP	15	42.50	0.1														
BAO	150.89	134	iPKPd	15	45.70	1.6														
			i	15	49.20															
			i	16	37.00															
			i	25	46.00															
			i	26	47.00															
			i	30	41.30															
KIC	158.01	275	ePKP	15	54.25	0.6														
			0.9s		71.50nm															
TIC	158.27	276	PKP	15	54.25	0.2														
LIC	158.30	275	PKP	15	54.47	0.5														
			0.9s		721.50nm															
			Z	20s	21.00um															
SOB1	160.31	134	ePKP	15	57.80	1.6														
KDS	163.60	300	iPKPc	16	00.00	0.6														
MAMG	164.30	292	PKP	16	02.77	2.5X														
KING	165.24	292	PKP	16	03.93	2.9X														
MBO	166.31	316	iPKPc	16	03.90	2.2X														
			S.D. = 0.9		on 492 of 670 obs.															
% SEP 06, 1993 04h 23m 54.03± 1.08s							38.207 S ± 6.2km 176.190 E ± 5.9km							DEPTH = 205.0 ± 10.9 km						
NORTH ISLAND, NEW ZEALAND							(159)													
WLZ	0.58	306	P	24	21.70	-0.4														
URZ	0.73	94	Pd	24	21.20	-1.7														
			S	24	37.60															
PAHZ	0.94	134	P	24	23.60	-0.6														
NGZ	1.07	205	P	24	25.40	0.2														
CNZ	1.11	207	P	24	25.10	-0.4														
MOZ	1.13	254	Pc	24	25.80	0.3														
TTH	1.42	160	eP	24	28.10	0.3														
WAHZ	1.50	175	P	24	28.60	0.1					</									

TCA 3.85 97 iPd 05 19.50 -0.2
 ANT 7.30 350 eP 06 02.50 -3.9X
 CNCB 14.09 4 P 07 39.00 2.5X
 LPB 14.36 4 P 07 42.00 2.2X
 ARE 14.58 351 eP 07 44.00 1.6
 LPAZ 14.61 4 P 07 41.90 -1.1
 SIV 16.57 28 P 08 07.20 0.2
 PPD 18.17 65 eP 08 27.20 1.0
 RSTA 18.78 75 (P) 08 32.00 -0.6

S.D. = 1.0 on 20 of 23 obs.

SEP 06, 1993 06h 27m 36.25± 1.10s
 2.516 N ± 5.3km 79.105 W ± 4.8km
 DEPTH = 32.5 ± 8.0 km
 4.7mb (21 obs.)

SOUTH OF PANAMA (83)

PSO 2.21 126 eP 28 13.00 1.2
 BOG 5.45 67 eP 29 00.00 2.3
 SDV 10.54 53 eP 30 07.00 -1.4
 TOV 11.74 52 eP 30 22.40 -2.2
 MORO 13.55 52 iPd 30 56.60 7.8X
 NNA 14.58 171 eP 31 09.50 7.2X
 0.8s 9.70nm 4.3mb
 TCE 19.04 64 eP 31 58.62 0.1
 TPP 19.17 65 eP 32 01.82 1.8
 TRN 19.34 64 eP 32 00.70 -1.3
 TBH 19.58 65 eP 32 05.22 0.5
 GRW 19.76 60 eP 32 05.55 -1.2
 TPR 20.12 64 eP 32 10.03 -0.4
 BOT 20.16 64 eP 32 10.03 -0.8
 ARE 20.30 159 eP 32 13.00 0.3
 FCV 20.59 58 eP 32 12.48 -2.8
 SVB 20.64 58 eP 32 14.86 -1.0
 SVV 20.69 58 eP 32 15.60 -0.8
 SLB 21.09 57 eP 32 19.81 -0.7
 BTM 21.43 55 eP 32 25.04 1.2
 FDF 21.48 55 eP 32 25.54 1.1
 MVM 21.59 55 eP 32 26.27 0.8
 LPAZ 21.60 150 P 32 25.40 -0.9
 i 39 56.20

CRM 21.68 55 eP 32 27.93 1.6
 LPB 21.83 150 P 32 28.70 0.4
 CNCB 22.12 151 P 32 30.50 -0.9
 i 40 03.00
 CCH 23.55 148 P 32 45.50 0.3
 SIV 25.61 136 P 33 04.10 -0.5
 MIAR 34.60 339 eP 34 23.12 -1.3
 1.1s 7.49nm 4.5mb

ELC 35.83 346 ePd 34 32.95 -1.9
 PPD 36.51 133 eP 34 37.30 -3.5X
 FVM 36.79 345 eP 34 42.16 -0.8
 0.8s 13.65nm 4.9mb

TBR 38.70 6 eP 34 59.95 1.0
 YSNY 39.79 1 eP 35 08.54 0.6
 0.6s 8.04nm 4.7mb

VAO 40.31 131 eP 35 10.10 -2.5
 ALQ 41.07 325 iPd 35 19.97 1.1
 0.8s 5.88nm 4.4mb

PV10 44.97 326 eP 35 50.12 -0.5
 PV09 45.11 326 eP 35 52.85 1.0
 SRU 46.31 326 eP 36 01.48 0.3
 MSU 46.86 324 eP 36 06.32 0.8
 RSSD 46.94 335 eP 36 06.29 0.2
 0.8s 8.40nm 4.8mb

EMUT 46.97 326 eP 36 06.84 0.5
 DAU 47.62 327 eP 36 12.38 0.7
 DUG 48.35 325 ePc 36 17.19 0.1
 0.8s 2.57nm 4.3mb

BW06 48.42 330 ePc 36 17.59 -0.1
 1.2s 4.19nm 4.3mb

HVU 49.40 327 eP 36 24.86 -0.3
 HHAI 50.23 329 eP 36 31.52 0.0
 BONR 50.30 320 eP 36 32.75 0.4
 LRM 52.06 331 eP 36 45.40 -0.1
 ORV 53.27 319 eP 36 54.84 0.6
 NEW 56.06 330 eP 37 13.17 -1.3
 1.0s 6.34nm 4.6mb

LON 57.56 326 eP 37 24.20 -1.0
 RMW 57.98 327 eP 37 27.49 -0.7
 GMW 58.56 327 eP 37 31.04 -1.1
 YKA 65.40 343 eP 38 16.30 -1.4
 0.9s 3.30nm 4.4mb

LIC 73.91 84 P 39 10.60 0.0
 TIC 73.91 84 P 39 10.90 0.2
 KIC 74.19 84 P 39 11.80 -0.5

INK 75.13 342 eP 39 17.00 0.3
 1.0s 3.00nm 4.2mb

PAB 76.66 50 eP 39 27.00 1.0
 GRR 80.32 41 eP 39 46.20 0.5
 0.7s 7.60nm 4.8mb

EPF 80.57 47 eP 39 48.20 1.0
 1.1s 9.30nm 4.7mb

MFF 80.59 43 eP 39 47.70 0.5
 1.1s 16.85nm 5.0mb

FLN 80.61 41 eP 39 47.90 0.7
 0.9s 15.05nm 5.0mb

LDF 80.83 41 eP 39 48.80 0.4
 0.8s 10.90nm 4.9mb

LFF 81.04 45 eP 39 50.10 0.6
 0.8s 12.35nm 5.0mb

LPO 81.33 45 eP 39 51.70 0.6
 0.9s 9.50nm 4.8mb

CAF 81.97 45 eP 39 55.20 0.7
 1.1s 7.55nm 4.6mb

MAF 82.42 44 eP 39 57.00 0.2
 1.1s 6.60nm 4.6mb

HAU 85.10 42 eP 40 10.60 0.3
 BSF 85.39 42 eP 40 12.20 0.3

CDF 85.73 42 eP 40 13.90 0.4
 1.0s 6.20nm 4.8mb

WB2 143.03 240 ePKP 47 05.20 -4.3X
 0.7s 4.20nm

i 47 08.30
 WRA 143.04 240 PKP 47 06.30 -3.2X

0.8s 2.90nm
 KKN 146.33 25 PKP 47 15.80 0.7

0.8s 35.00nm
 DMN 146.41 26 PKP 47 17.60 2.3X

GUN 146.48 25 PKP 47 18.00 2.4X
 0.6s 25.00nm

GBA 151.75 55 PKP 47 30.50 7.0X
 0.7s 2.00nm

S.D. = 1.0 on 69 of 77 obs.

* SEP 06, 1993 07h 16m 57.14± 2.48s
 14.529 N ± 7.5km 61.092 W ± 39.7km

DEPTH = 154.9 ± 23.0 km

WINDWARD ISLANDS (95)
 MD 3.6 (TRN).

BIM 0.02 121 iPd 17 18.71 -0.4
 MVM 0.19 82 iPd 17 19.19 -0.1

FDF 0.21 344 iPd 17 18.91 -0.4
 CRM 0.28 37 iPd 17 19.12 -0.3

S 17 36.60
 SLW 0.53 163 eP 17 20.04 0.6

eS 17 37.92
 SLB 0.70 176 eP 17 20.82 0.3

eS 17 35.42
 SVV 1.21 186 eP 17 24.80 0.3

eS 17 38.79
 SVB 1.26 187 eP 17 25.20 0.2

eS 17 39.51
 FCV 1.37 186 eP 17 26.20 0.1

eS 17 40.65
 DOG 1.58 341 eP 17 28.39 0.1

PAG 1.60 339 eP 17 28.76 0.3
 S 17 54.82

GRW 2.42 193 eP 17 37.45 -0.6
 TRN 3.87 185 eP 17 56.40 -0.1

eS 18 39.84

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

& SEP 06, 1993 07h 21m 27.28s
 35.684 N 118.253 W

DEPTH = 15.8km

CENTRAL CALIFORNIA (39)
 <GM-P>. MD 3.0 (GM). ML 2.6

(PAS).

WCHM 0.25 36 P 21 32.68 -0.5
 WASM 0.25 282 P 21 32.90 -0.3

WJPM 0.33 214 P 21 34.11 -0.3
 VPEN 0.44 53 P 21 36.12 -0.2

WLHM 0.47 354 P 21 36.56 -0.4
 SNDC 0.54 184 P 21 37.80 -0.2

RCWM 0.56 61 P 21 38.36 0.1
 ARVC 0.73 220 P 21 41.40 0.3

PLEC 0.98 223 P 21 47.93 2.5
 MARC 1.12 233 P 21 48.50 0.7

ABL 1.15 224 eP 21 48.29 -0.2
 GSC 1.24 107 eP 21 49.40 -0.5

CRGC 1.28 250 P 21 51.29 0.8
 YEG 1.41 260 P 21 53.18 0.8

SSK 1.54 162 eP 21 54.26 0.0
 BCH 1.58 252 eP 21 55.18 0.4

eS 22 12.48
 BHPR 1.62 353 P 21 56.62 1.1

CTM 1.71 279 P 21 58.40 1.7
 PHAM 1.75 276 eP 21 57.68 0.5

PDRM 1.83 291 P 21 59.79 1.4
 CLKR 1.96 347 P 22 02.93 2.5

ORC 1.97 351 P 22 03.37 2.7
 MRCM 1.99 354 eP 22 03.60 2.7

eS 22 30.06
 PEC 2.00 153 (P) 22 03.03 2.2

MMPM 2.02 342 eP 22 03.28 1.9
 eS 22 29.61

MEMM 2.05 345 eP 22 03.93 2.4
 eS 22 30.54

BONR 2.27 359 eP 22 05.79 0.8
 eS 22 38.21

BMSM 2.27 296 P 22 05.69 0.9
 LRC 2.33 285 P 22 06.28 0.7

TNP 2.53 19 eP 22 08.59 0.0
 PLM 2.59 153 eP 22 08.97 -0.5

CMB 2.90 325 ePn 22 14.69 1.0
 eS 22 53.35

32 obs. associated

SEP 06, 1993 07h 55m 24.13± 0.75s
 19.180 S ± 6.2km 68.418 W ± 7.9km

DEPTH = 57.6 ± 8.0 km

4.8mb (4 obs.)

CHILE-BOLIVIA BORDER REGION (124)

CNCB 2.39 10 iPd 56 01.90 -0.2
 LPB 2.65 7 iPd 56 07.00 1.3

CCH 2.81 51 Pc 56 08.00 0.1
 LPAZ 2.89 5 iPd 56 09.40 0.1

ARE 3.98 312 eP 56 23.00 -1.4
 iS 57 20.50

YJA 4.04 138 ePc 56 26.00 0.7
 ANT 4.87 202 eP 56 35.50 -1.1

HJA 4.90 146 ePc 56 37.80 0.8
 SLA 6.15 154 iP 56 55.50 0.8

PPD 16.26 103 eP 59 12.10 1.7
 RSTA 18.79 110 eP 59 39.50 -2.0

BAO 19.81 83 eP 59 51.00 -1.9
 VAO 20.37 105 (P) 59 56.00 -2.7

VAO2 20.78 105 (P) 00 04.00 1.0
 MIAR 58.54 336 eP 05 13.37 -3.7X

1.3s 11.92nm 4.9mb
 FVM 60.51 340 eP 05 27.21 -3.3X

0.8s 23.89nm 5.4mb
 i 05 29.81

e 06 06.36
 SRU 70.10 326 eP 06 31.53 -1.0

MSU 70.55 325 eP 06 34.99 -0.3
 ARUT 70.73 324 eP 06 37.00 0.6

DUG 72.10 326 eP 06 44.92 0.4
 1.2s 4.36nm 4.3mb

BONR 73.66 321 (P) 06 55.20 1.4
 LBFM 77.96 322 eP 07 18.39 0.4

RMW 81.80 327 eP 07 38.49 0.3
 PAB 83.54 44 eP 07 47.00 -0.4

YKA 89.16 340 eP 08 13.60 -0.7
 0.9s 5.00nm 4.8mb

WRA 135.17 211 PKP 14 39.80 0.2
 0.8s 0.90nm

GBA 146.81 94 PKP 15 02.00 1.7
 HYB 148.62 88 ePKP 15 06.00 2.8X

MAT 150.93 312 ePKP 15 11.00 4.8X
 S.D. = 1.3 on 25 of 29 obs.

SEP 06, 1993 07h 57m 45.37± 0.87s
 39.122 N ± 7.2km 27.553 E ± 9.1km

DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

IZM 0.76 198 ePg 58 00.00 -0.2
 eSg 58 12.50

DST 0.96 60 ePn 58 04.00 0.3
 EZN 1.18 307 ePn 58 07.90 0.5

EDC 1.25 11 ePn 58 08.00 -0.5
 BNT 1.26 13 ePn 58 08.00 -0.9

KCT 1.29 29 iPn 58 10.00 0.8

06d 07h

S.D. = 0.8 on 6 of 6 obs.
 % SEP 06, 1993 08h 11m 18.46± 0.84s
 39.108 N ± 6.9km 27.584 E ± 8.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.75 200 ePg 11 33.00 -0.2
 eSg 11 45.00
 DST 0.95 58 ePn 11 37.00 0.4
 EZN 1.21 307 iPn 11 41.40 0.4
 EDC 1.26 10 ePn 11 41.00 -0.8
 BNT 1.27 12 ePn 11 42.00 -0.1
 KCT 1.29 27 ePn 11 42.50 0.2

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

* SEP 06, 1993 08h 16m 45.19± 0.80s
 32.592 N ± 21.2km 30.318 W ± 11.7km
 DEPTH = 10.0km (geophysicist)
 4.3mb (17 obs.)

NEAR NORTH COAST OF GREENLAND (635)

DAG 6.19 155 eP 18 19.20 0.5
 0.5s 327.46nm 6.4mb X
 NB2 24.01 128 P 22 01.40 1.1
 0.9s 4.50nm 4.1mb
 INK 24.57 299 eP 22 06.00 0.4
 HFS 25.16 125 eP 22 11.10 -0.3
 0.4s 4.00nm 4.4mb
 YKA 27.85 279 eP 22 39.50 3.4X
 1.0s 2.40nm 3.9mb
 CDF 36.11 136 eP 23 49.80 1.2
 1.1s 8.30nm 4.5mb
 GEC2 36.29 129 eP 23 48.70 -1.5
 1.0s 1.82nm 3.9mb
 LOR 36.95 140 eP 23 54.60 -1.0
 0.8s 3.75nm 4.2mb
 SSF 37.12 141 eP 23 56.30 -0.8
 1.0s 9.40nm 4.5mb
 LBF 37.24 140 eP 23 57.10 -1.0
 0.7s 3.75nm 4.3mb
 AVF 37.38 141 eP 23 59.20 0.0
 0.8s 7.95nm 4.5mb
 TCF 37.79 143 eP 24 01.90 -0.8
 1.1s 10.25nm 4.5mb
 MAF 37.88 142 eP 24 04.00 0.5
 0.7s 3.10nm 4.2mb
 LPG 38.95 138 eP 24 15.00 2.2
 0.8s 5.65nm 4.3mb
 NEW 42.05 275 eP 24 38.73 0.7
 0.9s 9.40nm 4.5mb
 GMW 43.48 280 eP 24 49.94 0.3
 LRM 43.85 270 eP 24 53.50 0.6
 RSSD 44.43 261 eP 24 58.29 0.7
 1.0s 6.76nm 4.5mb
 GOL 48.95 261 eP 25 33.43 0.1
 1.2s 5.09nm 4.4mb
 DUG 49.43 269 eP 25 37.00 0.2
 1.2s 2.95nm 4.2mb
 PV08 50.48 264 eP 25 45.07 -0.1
 PV09 50.62 265 eP 25 46.38 0.2
 PV10 50.73 265 eP 25 47.19 0.3
 MSU 51.00 268 eP 25 49.08 0.1
 ALQ 53.78 261 eP 26 09.39 -0.3
 0.8s 2.24nm 4.2mb
 PHAM 54.70 275 eP 26 15.25 -1.0
 LTX 58.95 258 eP 26 44.40 -2.3

S.D. = 1.0 on 26 of 27 obs.

& SEP 06, 1993 08h 25m 23.06s
 34.141 N 116.837 W
 DEPTH = 9.6km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.9 (PAS), 3.7 (GS).
 Felt (IV) at Angelus Oaks and
 Mecca; (III) at Loma Linda. Also
 felt at Yucca Valley.

PEC 0.37 227 iPc 25 29.97 -0.6
 SSK 0.71 276 ePc 25 36.29 -1.0
 PLM 0.79 182 iPd 25 37.60 -0.9
 (S) 25 43.66
 GSC 1.16 1 iPd 25 44.37 -0.4
 SNDC 1.57 310 P 25 50.29 -0.9
 WSHM 1.58 340 P 25 49.80 -1.5
 FTC 1.85 294 P 25 54.75 -0.4

WJPM 1.85 314 P 25 54.22 -1.1
 ARVC 1.91 301 P 25 55.34 -0.7
 RCWM 1.92 340 P 25 57.81 1.5
 WORM 1.93 324 P 25 59.00 2.6
 GLA 2.00 122 eP 25 55.16 -2.2
 WOFM 2.08 313 P 26 01.46 2.9
 ABL 2.09 290 eP 25 57.35 -1.5
 eS 26 25.48
 RYS 2.14 284 P 25 59.43 -0.1
 TMB 2.42 294 P 26 02.69 -0.7
 PKM 2.57 288 P 26 05.27 -0.4
 CRGC 2.62 296 P 26 05.21 -1.1
 SCCM 2.87 287 P 26 08.93 -0.8
 BCH 2.87 292 eP 26 08.72 -1.2
 CWCR 3.55 341 P 26 28.32 8.7
 MRCM 3.77 339 (Pn) 26 22.68 -0.1
 MPM 3.89 333 ePn 26 23.94 -0.6
 eS 27 21.06
 MEMM 3.91 335 (Pn) 26 24.71 0.3
 ePg 26 34.67
 eS 27 25.26
 TNP 3.94 356 ePn 26 24.23 -1.0
 ePg 26 34.75
 BONR 3.99 343 ePn 26 25.00 -0.9
 ePg 26 37.68
 ARUT 4.56 36 ePn 26 32.79 -1.2
 CMB 4.83 325 ePn 26 36.85 -0.8
 ARN 4.98 311 ePn 26 36.51 -3.2
 TUC 5.39 108 (Pn) 26 42.63 -3.0
 MSU 5.76 39 ePn 26 50.53 -0.4
 NTYM 6.33 314 eP 26 55.84 -2.9
 DUG 6.84 27 (Pn) 27 04.99 -1.1
 SRU 7.10 44 (Pn) 27 07.89 -1.8
 EMUT 7.43 39 (Pn) 27 14.14 -0.3
 PV09 7.59 53 (Pn) 27 15.46 -1.2
 DAU 7.68 34 (Pn) 27 17.79 -0.2
 PV08 7.95 54 (Pn) 27 20.27 -1.5
 ALQ 8.60 82 (Pn) 27 28.91 -1.9
 ePg 28 01.45

39 obs. associated

% SEP 06, 1993 08h 40m 17.51± 0.61s
 40.482 N ± 5.9km 29.008 E ± 5.0km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.6 (ISK).

IZI 0.38 112 iPg 40 25.50 0.1
 eSg 40 30.50
 KCT 0.55 245 iPg 40 28.50 -0.1
 eSg 40 36.50
 ISK 0.58 4 ePg 40 29.50 0.2
 eSg 40 38.50
 HRT 0.61 56 iPg 40 29.00 -0.8
 eSg 40 38.00
 CTT 0.80 327 iPg 40 34.00 1.0
 eSg 40 44.00
 BNT 0.84 262 ePg 40 33.00 -0.7
 EDC 0.88 262 ePg 40 34.00 -0.5
 eSg 40 47.00
 DST 0.92 199 iPg 40 36.00 0.8
 eSg 40 48.00

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

% SEP 06, 1993 08h 44m 56.40± 0.92s
 39.218 N ± 8.2km 27.793 E ± 13.7km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

DST 0.75 59 ePg 45 11.00 -0.2
 IZM 0.92 207 ePg 45 14.00 0.0
 eSg 45 28.00
 KCT 1.12 23 iPn 45 17.80 0.4
 EDC 1.13 3 ePn 45 17.00 -0.5
 BNT 1.14 5 ePn 45 18.00 0.2

S.D. = 0.5 on 5 of 5 obs.

% SEP 06, 1993 09h 35m 54.47± 3.86s
 32.494 S ± 24.9km 71.462 W ± 15.6km
 DEPTH = 10.0km (geophysicist)
 NEAR COAST OF CENTRAL CHILE (135)
 MD 3.7 (SAN).

ROCH 0.61 142 iP 36 07.43 0.5
 iS 36 17.25
 JACH 0.76 105 iP 36 09.21 -0.1

iS 36 20.20
 PEL 0.92 135 iP 36 12.38 0.3
 iS 36 26.22
 LCCH 0.98 185 iP 36 13.03 -0.1
 iS 36 26.57
 SAN 1.17 145 iP 36 16.05 -0.3
 iS 36 33.52
 TACH 1.24 159 iP 36 17.20 -0.3
 iS 36 34.83
 FCH 1.29 130 iP 36 18.07 -0.5
 iS 36 37.10
 PCH 1.38 145 iP 36 20.28 0.5
 iS 36 38.78
 LNV 1.46 178 iP 36 20.75 0.0
 iS 36 40.20

S.D. = 0.4 on 9 of 9 obs.

% SEP 06, 1993 10h 04m 16.93± 0.34s
 41.279 S ± 5.1km 173.686 E ± 4.7km
 DEPTH = 80.0km (geophysicist)

SOUTH ISLAND, NEW ZEALAND (162)

TCW 0.45 82 P 04 30.50 0.1
 DIW 0.51 21 P 04 30.50 -0.5
 CCW 0.62 140 eP 04 33.40 1.5
 THZ 0.76 230 P 04 34.00 0.5
 eS 04 46.70
 MRW 0.77 87 P 04 33.70 0.2
 S 04 44.90
 WEL 0.82 91 P 04 34.20 0.2
 QRZ 0.98 297 P 04 36.10 0.1
 eS 04 49.00
 KIW 1.02 66 P 04 36.70 0.3
 CAW 1.06 81 P 04 36.80 -0.1
 KHZ 1.14 185 P 04 38.80 0.8
 BLW 1.35 94 P 04 40.20 -0.5
 MTW 1.37 86 P 04 40.30 -0.7
 MNG 1.51 65 P 04 42.30 -0.5
 S 05 01.20
 BSZ 1.76 33 P 04 47.10 1.0
 LTZ 1.84 215 P 04 47.60 0.4
 CNZ 2.52 35 eP 04 56.30 -0.3
 MQZ 2.54 197 P 04 55.20 -1.6
 WVZ 2.83 230 P 05 01.70 0.9
 MOZ 2.90 18 P 05 01.70 -0.1
 LMZ 4.07 232 eP 05 17.30 -0.8
 BWZ 4.29 219 eP 05 20.40 -0.7

S.D. = 0.8 on 21 of 21 obs.

& SEP 06, 1993 10h 32m 32.95s
 35.996 N 118.369 W
 DEPTH = 9.6km

CENTRAL CALIFORNIA (39)
 <GM-P>. MD 3.8 (GM). ML 4.0
 (BRK), 3.7 (PAS), 3.6 (GS).

WCHM 0.26 115 P 32 38.25 -0.4
 WBSM 0.49 158 P 32 42.58 -0.4
 SNDC 0.85 176 P 32 49.16 -0.4
 PLEC 1.17 209 P 32 55.81 0.8
 CRGC 1.34 236 P 32 58.29 0.6
 ABL 1.34 212 ePd 32 57.45 -0.4
 eS 33 12.47
 YEG 1.41 247 P 32 59.40 0.6
 PHBM 1.41 281 P 32 59.64 1.0
 PKEM 1.41 273 eP 32 59.71 1.0
 eS 33 16.96
 GSC 1.45 118 iPc 32 59.22 -0.1
 FRI 1.47 313 iP 32 59.35 -0.1
 iS 33 17.75
 PMRM 1.53 263 P 33 01.12 0.7
 PTRM 1.54 258 P 33 01.04 0.5
 PAGM 1.55 261 P 33 01.41 0.7
 CTM 1.60 268 P 33 02.77 1.3
 BCH 1.62 240 eP 33 01.95 0.2
 GHC 1.62 265 P 33 02.17 0.5
 PMCM 1.65 261 P 33 02.97 0.9
 PDRM 1.65 282 P 33 03.26 1.1
 PHAM 1.66 265 eP 33 02.58 0.4
 eS 33 19.83
 MRCM 1.68 356 eP 33 04.31 1.6
 eS 33 24.52
 PCRM 1.68 274 P 33 03.58 1.1
 MPM 1.70 342 eP 33 04.42 1.3
 eS 33 25.32
 BCKR 1.70 360 P 33 05.30 2.3
 MEMM 1.73 345 eP 33 05.26 2.0

PSTM	1.74	268	P	33	03.28	-0.1
WKR	1.75	265	P	33	04.36	0.8
PSMM	1.81	273	P	33	05.61	1.1
SCCM	1.81	235	P	33	06.09	1.6
PMGM	1.84	253	P	33	05.36	0.5
PRCM	1.84	279	P	33	05.77	0.8
LPC	1.86	217	P	33	07.01	1.8
SSK	1.87	163	eP	33	05.60	0.2
PRI	1.87	275	iP	33	06.10	0.7
			iS	33	31.10	
PTV	1.91	274	P	33	06.78	0.9
BONR	1.96	2	eP	33	09.28	2.4
PSAM	2.04	272	P	33	08.71	0.9
PADM	2.06	261	P	33	08.84	0.8
PANM	2.07	265	P	33	09.13	0.9
LLA	2.17	287	iP	33	09.68	0.0
			iS	33	39.89	
TNP	2.28	24	ePn	33	11.81	0.4
PHCM	2.28	263	P	33	12.51	1.2
PEC	2.32	154	eP	33	11.74	-0.2
PAPM	2.43	269	P	33	13.64	0.2
PRS	2.45	279	iPd	33	14.49	0.8
			iS	33	43.59	
LTR	2.53	291	P	33	15.84	1.1
MOYM	2.59	318	P	33	19.20	3.6
CMB	2.60	322	ePd	33	18.17	2.4
			iS	33	51.08	
SAO	2.60	288	eP	33	16.18	0.4
			eS	33	45.33	
FRP	2.63	288	P	33	16.78	0.5
BAPM	2.66	275	P	33	17.55	0.8
ARN	2.88	299	ePn	33	20.47	0.7
			eS	33	54.79	
PLM	2.91	154	ePn	33	20.30	-0.1
MHC	2.95	298	ePc	33	21.38	0.4
			iS	33	58.20	
HMR	3.49	309	eP	33	29.44	1.1
JEGM	3.62	296	eP	33	31.52	1.3
BKS	3.62	302	iPc	33	30.85	0.5
			eS	34	12.79	
GLA	4.14	134	ePn	33	35.61	-2.1
			ePg	33	49.17	
NTYM	4.18	306	eP	33	38.88	0.7
ORV	4.33	326	ePd	33	42.51	2.1
			iS	34	44.91	
ARUT	4.34	64	ePn	33	40.42	-0.2
			ePg	33	53.68	
MIN	5.03	331	ePc	34	04.99	14.5
			iS	35	07.96	
MSU	5.54	61	ePn	33	57.73	-0.1
			ePg	34	15.56	
LBFM	6.01	334	eP	34	06.07	1.8
DUG	6.06	45	ePn	34	05.60	0.6
			ePg	34	26.36	
			eS	35	33.51	
SRU	6.96	61	ePn	34	19.51	1.8
			ePg	34	43.18	
HVU	7.24	35	ePn	34	23.32	1.8
			ePg	34	49.71	
PV09	7.78	69	ePn	34	29.27	0.0
			ePg	34	56.98	
PV10	7.82	70	ePn	34	31.51	1.8
			ePg	34	54.81	
PV08	8.17	69	ePn	34	37.01	2.3
			ePg	35	00.55	
70 obs. associated						
% SEP 06, 1993 11h 18m 52.40± 0.96s						
39.651 N ± 7.3km 27.837 E ± 10.6km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
ML 2.7 (ISK).						
DST	0.61	94	iPg	19	04.90	0.1

06d 13h

SNY	28.05	4 Pd	20 24.00	15 31.80	-0.9
	1.2s	20.00nm			4.7mb
HHC	28.14	345 eP	15 34.00	0.3	
	1.0s	26.00nm			4.9mb
BTO	28.32	343 eP	15 35.00	-0.4	
N	13s	0.33um			
E	13s	0.30um			
GTA	31.50	328 iPc	20 08.00	16 03.40	-0.1
	1.0s	46.00nm			5.2mb
Z	16s	0.51um			4.3mszX
N	10s	0.22um			
		ScP	22 21.50		
		ScS	26 19.00		
LSA	31.61	305 P	16 06.80	1.8	
MBL	34.74	182 iPc	16 31.60	0.3	
	0.3s	24.00nm			5.4mb
GUN	35.36	299 P	16 37.20	0.2	
KKN	35.83	299 P	16 40.60	-0.3	
DMN	35.93	298 P	16 41.80	0.0	
	0.8s	47.00nm			5.2mb
WB2	36.09	158 iPd	16 41.30	-1.4	
	0.5s	37.40nm			5.4mb
		epP	17 14.20	148kmX	
		eS	22 05.10		
YSS	37.88	25 eP	16 57.40	-0.1	
CIT	38.55	353 eP	17 03.50	0.4	
QIS	38.83	151 eP	17 05.50	-0.2	
ZAK	39.18	342 iPc	17 07.70	-0.5	
	1.0s	15.00nm			4.6mb
		e	18 40.00		
ASPA	39.38	161 iPc	17 09.90	-0.3	
	0.4s	21.70nm			5.2mb
		eS	22 54.20		
MEEK	40.23	183 eP	17 16.50	-0.7	
HYB	40.76	281 eP	17 20.50	-1.2	
WMQ	41.17	323 P	17 26.00	1.2	
	1.0s	28.00nm			4.8mb
Z	16s	0.41um			4.4mszX
		S	23 26.00		
CTA	41.98	143 iPc	17 33.00	1.5	
	1.0s	12.50nm			4.5mb
GBA	42.05	275 P	17 32.40	0.2	
	0.7s	6.00nm			4.3mb
MRWA	43.00	186 iPd	17 39.30	-0.4	
FORT	44.86	171 iPd	17 54.10	-0.5	
KSH	46.86	312 P	18 12.00	1.4	
	0.5s	10.00nm			4.7mb
YAK	48.59	6 iPc	18 21.90	-1.4	
	1.1s	60.00nm			5.2mb
FRU	49.04	315 eP	18 28.00	0.8	
	1.8s	30.00nm			4.7mb
		e	19 06.50		
		e	19 41.00		
STK	49.60	157 eP	18 30.60	-0.9	
	0.4s	3.80nm			4.4mb
ARMA	53.05	146 eP	18 58.00	0.5	
CNB	55.85	152 eP	19 16.70	-1.1	
TOO	56.12	156 iPc	19 20.20	0.6	
DZM	57.24	128 iPc	19 28.00	0.2	
TIK	58.03	3 iPc	19 32.00	-0.5	
	1.2s	70.00nm			5.4mb
MAIO	58.88	304 iPc	19 37.80	-1.3	
	0.9s	10.66nm			4.7mb
ASH	59.95	306 eP	19 46.30	0.0	
SVE	62.36	327 eP	20 00.00	-2.1	
	1.1s	60.00nm			5.4mb
		e	20 37.00		
		e	22 21.00		
		e	28 10.00		
KIV	72.01	312 (P)	20 57.30	-5.6X	
	1.5s	51.00nm			5.0mb
OBN	75.49	324 iPd	21 22.00	-0.6	
	1.0s	21.00nm			4.8mb
PMR	78.05	29 eP	21 35.74	-0.9	
	0.8s	7.56nm			4.5mb
FBA	78.25	26 eP	21 37.12	-0.6	
	1.1s	9.14nm			4.4mb
KAF	80.01	332 iP	21 46.10	-1.1	
	0.5s	2.70nm			4.2mb
CSY	80.21	184 iPc	21 47.50	-0.5	
	1.1s	8.90nm			4.4mb
NUR	81.11	330 eP	21 53.00	0.1	
INK	82.99	21 eP	22 03.50	0.9	
	1.0s	3.00nm			4.1mb
HFS	86.43	331 eP	22 18.40	-1.5	

	0.4s	1.90nm	4.3mb	
Z	17s	0.05um	4.0mszX	
NB2	87.21	333 P	22 22.20	-1.5
	0.8s	5.20nm		4.5mb
GEC2	90.60	321 eP	22 39.80	-0.2
	1.4s	4.36nm		4.3mb
		e	22 49.90	
	S.D. = 1.0	on 72 of 82 obs.		
% SEP 06, 1993 13h	13m	23.25± 0.83s		
39.229 N ± 7.0km	27.717 E ± 8.0km			
DEPTH = 10.0km	(geophysicist)			
TURKEY	(366)			
ML 2.7 (ISK).				
DST	0.80	62 iPg	13 38.80	0.0
		eSg	13 49.80	
IZM	0.90	203 ePg	13 40.50	-0.1
		eSg	13 54.00	
EDC	1.12	6 ePn	13 44.00	-0.3
KCT	1.13	26 iPn	13 45.00	0.6
EZN	1.23	299 iPn	13 46.50	0.4
MFT	1.59	348 ePn	13 51.00	-0.6
	S.D. = 0.5	on 6 of 6 obs.		
SEP 06, 1993 13h	28m	57.92± 1.50s		
25.151 S ± 11.6km	179.963 E ± 6.1km			
DEPTH = 516.9 ± 21.3 km				
5.0mb (18 obs.)				
SOUTH OF FIJI ISLANDS	(171)			
DZM	12.77	281 iPd	31 45.30	-0.1
QRZ	16.82	200 eP	32 26.60	0.8
	0.5s	19.00nm		5.0mb
THZ	17.57	198 eP	32 34.10	0.9
KHZ	18.02	196 eP	32 38.30	0.9
LTZ	18.69	198 eP	32 44.00	0.0
BWZ	21.00	200 eP	33 03.30	-2.2
ARMA	25.58	252 iPd	33 48.10	0.9
	0.7s	42.00nm		5.1mb
CNB	28.21	242 eP	34 11.90	1.7
CAN	28.51	242 iPd	34 13.80	1.1
BWA	28.80	244 eP	34 15.20	-0.1
AFR	29.14	81 iPc	34 17.50	-0.8
	0.6s	33.50nm		5.1mb
PAE	29.27	81 iPc	34 18.60	-0.8
	0.9s	47.80nm		5.1mb
TVO	29.52	82 iPc	34 21.00	-0.7
	0.5s	43.90nm		5.3mb
CTA	31.47	272 iPd	34 39.00	0.7
	0.6s	60.00nm		5.3mb
PMO	31.76	78 iPc	34 40.20	-0.5
	0.6s	24.00nm		4.9mb
TOO	31.76	239 iPd	34 41.70	1.1
	0.7s	34.00nm		5.0mb
TPT	32.01	78 iPc	34 42.40	-0.4
	0.6s	28.70nm		5.0mb
RUV	32.14	78 iPc	34 43.40	-0.5
	0.8s	42.70nm		5.1mb
STK	34.25	250 iPd	35 02.20	0.7
	0.4s	10.90nm		4.8mb
QIS	37.37	269 eP	35 27.00	-0.5
ASPA	41.82	262 iPc	36 03.30	-0.2
	0.7s	44.40nm		5.1mb
		eS	41 43.60	
WB2	42.29	268 iPc	36 06.60	-0.6
	0.3s	128.60nm		5.9mb
		eS	40 51.00	
WRA	42.30	268 P	36 06.80	-0.5
	0.4s	25.60nm		5.1mb
FORT	45.86	251 iPd	36 34.20	-0.7
KNA	48.63	271 eP	36 55.80	-0.4
KLB	54.48	248 eP	37 37.90	-0.6
MEEK	54.73	254 eP	37 39.00	-1.4
MBL	55.04	261 iPd	37 41.50	-1.1
	0.4s	11.00nm		4.5mb
BAL	55.55	249 iPd	37 45.10	-0.9
	0.3s	18.00nm		4.9mb
MUN	55.71	247 eP	37 46.90	-0.2
MRWA	56.43	251 eP	37 51.60	-0.5
CSY	58.98	206 iPc	38 09.10	0.2
	0.8s	16.00nm		4.5mb
GSC	84.80	47 iPd	40 40.32	1.9
GLA	84.85	50 iPc	40 41.29	2.6
TUC	87.30	52 eP	40 54.17	3.6X
	0.8s	4.49nm		4.3mb

CP2	89.00	13 eP	41 02.08	4.1X
RMW	89.24	35 eP	41 00.53	1.4
SRU	91.08	47 iPc	41 09.26	1.3
NB2	143.31	351 PKP	47 49.70	15.9X
	0.7s	1.60nm		
HFS	143.76	348 ePKP	47 32.20	-2.4
	0.4s	3.50nm		
	S.D. = 1.1	on 37 of 40 obs.		
% SEP 06, 1993 13h	44m	06.20± 0.83s		
39.686 N ± 7.3km	29.463 E ± 6.7km			
DEPTH = 5.0km	(geophysicist)			
TURKEY	(366)			
ML 2.7 (ISK).				
DST	0.65	263 iPg	44 18.80	-0.4
		eSg	44 29.00	
ALT	0.81	141 iPg	44 22.50	0.1
		eSg	44 33.00	
KCT	1.02	304 ePn	44 26.50	0.5
EYL	1.03	31 ePn	44 26.00	-0.2
HRT	1.15	8 ePn	44 28.00	-0.1
	S.D. = 0.5	on 5 of 5 obs.		
% SEP 06, 1993 14h	54m	39.03± 0.62s		
40.534 N ± 5.6km	27.498 E ± 5.0km			
DEPTH = 10.0km	(geophysicist)			
TURKEY	(366)			
ML 2.7 (ISK).				
MFT	0.30	327 iPg	54 45.20	-0.2
EDC	0.34	124 iPg	54 46.00	0.0
		eSg	54 51.00	
KCT	0.71	113 iPg	54 53.00	-0.1
		eSg	55 04.00	
CTT	0.94	49 iPg	54 57.50	0.6
		eSg	55 10.00	
EZN	1.14	232 iPn	55 00.50	0.1
DST	1.27	137 ePn	55 02.80	0.2
ISK	1.30	65 ePn	55 03.00	-0.1
HRT	1.67	79 ePn	55 08.00	-0.6
	S.D. = 0.4	on 8 of 8 obs.		
% SEP 06, 1993 16h	53m	01.75± 1.36s		
33.145 S ± 5.3km	70.272 W ± 10.8km			
DEPTH = 10.0km	(geophysicist)			
CHILE-ARGENTINA BORDER REGION	(127)			
MD 3.7 (SAN).				
FCH	0.18	185 iP	53 05.84	-0.2
		iS	53 08.88	
PEL	0.35	270 iP	53 09.05	0.1
		iS	53 14.15	
PCH	0.52	203 iP	53 12.18	0.0
		iS	53 20.56	
JACH	0.53	330 iP	53 12.63	0.0
		iS	53 20.17	
ROCH	0.64	285 iP	53 14.60	-0.2
		iS	53 23.82	
TACH	0.75	227 iP	53 16.52	0.0
		iS	53 27.52	
CACH	1.01	196 iP	53 21.28	0.4
		iS	53 36.05	
LCCH	1.14	253 iP	53 23.20	0.2
		iS	53 39.02	
LNW	1.25	229 iP	53 24.60	-0.3
		iS	53 41.54	
	S.D. = 0.2	on 9 of 9 obs.		
% SEP 06, 1993 17h	26m	00.91± 1.82s		
32.187 S ± 22.0km	67.890 W ± 11.0km			
DEPTH = 33.0km	(normal)			
MENDOZA PROVINCE, ARGENTINA	(139)			
RTCV	0.64	300 eP	26 13.00	-0.5
		S	26 28.00	
CFA	0.65	333 iPd	26 15.50	1.8
		S	26 34.30	
RTLL	0.99	330 iPd	26 17.50	-1.0
		S	26 35.50	
MRA	1.86	97 iPc	26 31.70	0.7
		S	27 00.50	
RTPR	2.22	33 iPc	26 35.90	-0.2
		S	27 09.50	
TCA	2.93	74 iPc	26 45.60	-0.8
		(S)	27 25.50	
	S.D. = 1.4	on 6 of 6 obs.		

-----					PV10	27.67	333	eP	25	45.17	-1.2				S	00	32.20				
%	SEP 06, 1993	18h 07m	32.86± 0.78s		MSU	29.27	329	(P)	26	00.98	0.2				SEK	1.97	174	eP	00	33.90	0.4
	14.697 N ± 7.6km	61.106 W ± 8.1km			ARUT	29.39	326	ePc	26	02.57	0.8					S	00	58.00			
	DEPTH = 10.0km	(geophysicist)			DAU	30.32	332	ePc	26	10.62	0.4				SWZ	2.04	246	eP	00	35.20	0.7
WINDWARD ISLANDS (95)					BW06	31.58	337	eP	26	20.50	-0.6					S	00	59.90			
	ML 2.5 (PDF). Felt (II) at Fonds					1.3s	11.31nm			4.6mb					BFT	2.46	75	eP	00	41.50	0.8
	St. Denis, Martinique.				HVU	32.10	332	eP	26	26.19	0.6					S	01	06.80			
FDF	0.06	310	iPd	07 34.97 -0.1	BONR	32.29	321	eP	26	28.63	1.1				BLF	2.94	201	eP	00	46.55	-0.9
			S	07 36.40	HHAI	33.15	334	(P)	26	35.38	0.7					S	01	20.00			
BIM	0.18	169	iPd	07 37.07 0.1	LRM	35.26	337	ePc	26	53.30	0.3				FRS	3.85	208	eP	00	59.00	-1.2
			S	07 39.00	LBFM	36.58	323	eP	27	03.88	-0.3					S	01	40.00			
CRM	0.19	73	iPc	07 37.16 0.0	LPZ	39.32	140	P	27	26.80	-1.0				HVD	4.55	201	e(P)	01	09.50	-0.8
MVM	0.25	125	iPc	07 38.00 -0.1	LPB	39.52	140	eP	27	31.00	1.8				BUL	6.29	10	iPn	01	34.00	-0.9
			S	07 41.80	CNCB	39.81	140	P	27	31.90	0.1					iSn	02	42.20			
PAG	1.44	337	eP	07 59.10 0.1		i	28	38.70								iSg	03	14.90			
	S.D. = 0.2	on	5 of	5 obs.	YKA	50.37	347	eP	28	53.50	-1.3				S.D. = 0.9 on 11 of 11 obs.						
-----						1.0s	9.20nm			4.7mb					-----						
?	SEP 06, 1993	18h 11m	17.07± 7.59s		INK	59.72	344	eP	30	02.00	-0.6				%	SEP 06, 1993	19h 07m	59.06s			
	33.892 S ± 24.8km	71.895 W ± 59.8km				1.0s	3.00nm			4.4mb						59.882 N		153.701 W			
	DEPTH = 33.0km	(normal)			CRP	62.73	332	eP	30	22.99	-0.2					DEPTH = 143.3km					
NEAR COAST OF CENTRAL CHILE (135)					NB2	84.40	28	P	32	29.90	0.7				SOUTHERN ALASKA (2)						
	MD 3.6 (SAN).					1.0s	8.80nm			4.9mb					<AEIC>.						
LVN	0.41	99	iP	11 25.83 -0.4	GEC2	90.09	39	eP	32	57.20	0.0				PDB	0.27	249	eP	08	17.84	0.5
			iS	11 32.25		0.9s	1.43nm			4.2mb					OPT	0.33	134	iP	08	18.38	0.8
LCCH	0.50	33	iP	11 27.05 -0.6	ZST	92.42	39	eP	33	07.20	-0.6					eS			08	33.89	
			iS	11 34.57	WB2	134.28	256	ePdiff	36	23.70	8.1X				INW	0.34	57	eP	08	18.31	0.6
TACH	0.83	74	iP	11 31.72 -0.7		0.3s	2.30nm								INE	0.37	61	eP	08	18.57	0.7
			iS	11 42.66		i	36	25.70							ILIM	0.42	62	eP	08	18.53	-1.1
CACH	1.10	102	iP	11 36.83 0.5	WRA	134.29	256	PKP	39	18.50	2.5X					eS			08	34.89	
			iS	11 53.79		0.9s	0.90nm								AUW	0.53	167	eP	08	19.11	-0.9
ROCH	1.18	39	iP	11 37.25 -0.3	CHTO	144.88	340	ePKP	39	32.30	-2.9X				AUH	0.54	166	eP	08	19.26	-0.9
			iS	11 54.74	BDT	146.32	339	ePKP	39	42.00	4.4X				AGU	0.54	165	eP	08	19.51	-0.7
PCH	1.18	77	iP	11 37.40 0.0	HYB	147.39	15	ePKP	39	43.70	4.3X				AUP	0.54	165	eP	08	19.69	-0.5
			iS	11 52.64	PCT	147.67	333	ePKP	39	58.90	19.1X				AUE	0.55	162	eP	08	19.11	-1.0
PEL	1.26	54	iP	11 38.84 0.4		1.6s	4.20nm								AUI	0.57	166	eP	08	19.11	-1.1
			iS	11 55.22	GBA	150.71	19	PKP	39	49.30	4.8X					eS			08	34.90	
FCH	1.45	68	iP	11 41.81 0.2		0.6s	3.00nm								RED	0.71	40	eP	08	20.32	-1.0
			iS	12 00.95		S.D. = 1.2	on	44 of	54 obs.							eS			08	37.26	
JACH	1.63	42	iP	11 44.76 0.9	-----					-----					RS2	0.75	39	eP	08	20.80	-0.9
			iS	12 05.99	%	SEP 06, 1993	18h 24m	20.26± 6.19s							RSO	0.75	39	eP	08	20.79	-0.9
	S.D. = 0.6	on	9 of	9 obs.		17.699 N ± 26.7km	65.520 W ± 35.1km								NCT	0.78	29	eP	08	20.99	-0.8
-----						DEPTH = 10.0km	(geophysicist)									eS			08	37.92	
SEP 06, 1993	18h 19m	59.41± 0.89s			PUERTO RICO REGION (90)					-----					DFR	0.87	35	eP	08	21.72	-0.8
14.386 N ± 9.5km	93.275 W ± 6.4km				CPD	0.51	312	P	24	30.70	0.2					eS			08	39.73	
DEPTH = 36.3 ± 8.1 km					LPR	0.69	331	P	24	34.00	0.0				HOM	1.07	101	eP	08	23.01	-1.0
4.6mb (12 obs.)					SJG	0.73	304	iP	24	34.10	-0.5					eS			08	41.63	
NEAR COAST OF CHIAPAS, MEXICO (69)					CLLP	1.07	291	P	24	40.50	0.0				XLV	1.09	112	eP	08	22.95	-1.4
TPX	1.11	62	iPc	20 19.66 1.0	PORP	1.12	289	P	24	41.40	0.1				CNPM	1.30	105	eP	08	24.79	-1.6
SCX	2.42	15	iP	20 40.66 3.3X	PNP	1.16	288	P	24	42.00	0.0					eS			08	44.28	
			iS	21 14.79	APR	1.37	303	P	24	45.50	0.1				BKG	1.39	30	eP	08	26.60	-0.8
GCG	2.66	85	eP	20 41.65 0.6		S	25	01.80							BRLK	1.43	94	eP	08	26.42	-1.3
IXG	2.74	94	ePd	20 41.99 -0.2		S.D. = 0.3	on	7 of	7 obs.							eS			08	46.75	
			eS	21 19.28	-----					-----					SYI	1.44	152	eP	08	25.98	-1.8
YUP	3.37	93	ePd	20 49.88 -1.2	%	SEP 06, 1993	18h 56m	28.48± 0.66s								eS			08	47.10	
OXK	4.27	309	iP	21 03.53 -0.4		28.047 S ± 6.3km	26.845 E ± 6.9km								NKA	1.50	54	eP	08	29.30	0.9
LVVM	6.13	331	(P)	21 26.50 -3.4X		DEPTH = 5.0km	(geophysicist)								CKT	1.52	29	eP	08	27.99	-0.7
IIT	6.67	314	(P)	21 40.50 2.7	REPUBLIC OF SOUTH AFRICA (584)					-----						eS			08	50.76	
ACX	6.81	292	(P)	21 37.50 -2.0		ML 2.7 (PRE).									BGL	1.53	24	eP	08	28.57	-0.3
PPM	6.92	313	eP	21 41.00 -0.6	SEK	0.74	112	eP	56	43.50	0.2				SVW	1.55	323	P	08	28.60	-0.5
UNM	7.49	312	(P)	21 52.00 2.6		S	56	52.50							CP2	1.56	27	eP	08	28.93	-0.4
MRX	9.23	306	(P)	22 10.50 -2.7	BLF	1.21	208	eP	56	51.50	0.0				CRP	1.59	28	eP	08	27.31	-2.3
LTX	17.71	329	eP	24 04.99 -0.1		S	57	05.00							SLKM	1.85	69	eP	08	31.32	-1.1
UYO	19.72	357	iPc	24 27.00 -2.0	SWZ	1.60	302	eP	56	57.60	0.0				SEW	2.15	82	eP	08	34.28	-1.6
MIAR	20.07	359	eP	24 29.53 -3.1X		S	57	16.40							SUA	2.15	41	eP	08	34.97	-1.2
	1.0s	29.26nm		4.6mb	FRS	2.16	218	iPd	57	05.50	-0.1					eS			09	03.17	
MEO	20.87	348	iPc	24 40.10 -0.7		S	57	30.00							KDC	2.23	163	eP	08	33.38	-3.6
OCO	21.38	351	iPc	24 47.20 1.1	KSR	2.17	1	eP	57	06.60	0.6				MPA	2.25	72	eP	08	35.98	-1.2
TUL	21.55	354	iP	24 49.80 2.1		S	57	33.50							SKT	2.36	26	eP	08	37.61	-1.0
MYNC	22.19	20	eP	24 54.59 0.5	SLR	2.64	29	eP	57	11.90	-0.7				PMS	2.46	54	P	08	38.00	-1.9
	0.8s	7.50nm		4.2mb		S	57	39.00							PTE	2.52	65	eP	08	38.26	-2.3
GBTN	22.70	19	(P)	24 57.93 -1.2		S.D. = 0.5	on	6 of	6 obs.						PWA	2.582					

06d 19h

KTH	3.91	19	eS	09	38.82	
KLU	4.15	64	eP	08	57.32	-1.5
RND	4.22	31	eP	09	00.68	-2.2
TOA	4.29	55	P	09	01.50	-2.3
DHY	4.41	41	eP	09	02.78	-2.7
MCK	4.48	28	eP	09	04.94	-1.3
PAX	5.02	48	eP	09	11.37	-2.2
GLB	5.11	68	eP	09	12.73	-2.0
NEA	5.18	23	eP	09	13.10	-2.6
MLY	5.35	14	eP	09	15.31	-2.6
WAX	5.45	79	eP	09	16.45	-2.8
CCB	5.52	27	eP	09	17.14	-3.0
HDA	5.53	32	eP	09	17.60	-2.7
FBA	5.73	26	eP	09	19.90	-3.2
BALM	5.74	73	eP	09	21.20	-2.0
GLM	5.90	27	eP	09	22.87	-2.5

66 obs. associated

SEP 06, 1993 19h 09m 18.13± 0.85s
 17.413 N ± 8.0km 94.090 W ± 7.8km
 DEPTH = 56.5 ± 10.9 km
 4.2mb (6 obs.)
 CHIAPAS, MEXICO (61)

SCX	1.55	116	iP	09	44.50	0.8
			iS	10	05.00	
OXX	2.54	263	iP	09	57.00	-0.9
			(S)	10	23.50	
TPX	3.05	145	iP	10	05.00	0.0
			iS	10	42.50	
LVVM	3.22	316	iP	10	03.50	-3.8X
			iS	10	38.50	
IIT	4.32	292	iP	10	22.00	-1.1
			(S)	11	10.00	
PPM	4.61	292	iP	10	27.00	-0.5
			(S)	11	15.50	
IIA	4.67	292	iP	10	28.50	0.7
UNM	5.20	292	(P)	11	10.50	34.9X
III	5.21	281	iP	10	34.00	-1.6
			iS	11	26.50	
ACX	5.54	265	(P)	10	42.50	2.4
LTX	14.76	325	iPc	12	46.60	1.5
UYO	16.69	359	iPd	13	09.60	0.0
MIAR	17.07	1	eP	13	13.06	-1.3
	0.7s		7.07nm			3.9mb
MEO	17.76	348	iPc	13	22.70	-0.3
MYNC	19.71	25	eP	13	46.32	0.6
	0.7s		11.24nm			4.3mb
ALQ	20.65	330	eP	13	55.68	-0.1
	0.4s		1.24nm			3.6mb
GOL	24.27	338	iPd	14	32.18	0.7
	0.6s		6.08nm			4.3mb
GLA	24.31	314	eP	14	32.38	0.7
PV08	24.63	332	eP	14	36.01	1.0
PV10	24.65	331	iPd	14	35.15	0.1
PLM	25.90	312	(P)	14	40.55	-6.2X
RSNY	31.66	27	(P)	15	32.04	-6.1X
	0.8s		9.48nm			4.6mb
LPZ	42.14	141	P	17	05.70	-1.8
LPB	42.35	141	eP	17	11.00	2.0
CNCB	42.64	142	P	17	10.00	-1.5
YKA	47.27	347	eP	17	45.20	-2.1
	0.8s		1.90nm			4.1mb
WRA	134.17	259	PKP	28	31.20	-0.7
	0.6s		0.50nm			
GBA	148.07	16	PKP	28	58.00	1.5

S.D. = 1.3 on 24 of 28 obs.

SEP 06, 1993 19h 30m 02.94± 0.91s
 14.568 N ± 11.7km 93.136 W ± 6.4km
 DEPTH = 43.3 ± 6.1 km
 4.5mb (19 obs.) 4.2Msz (2 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)

TPX	0.91	68	iP	30	21.00	1.6
SCX	2.21	13	eP	30	42.50	4.6X
			iS	31	12.00	
GCG	2.52	89	eP	30	44.27	1.7
IXG	2.63	98	ePc	30	42.57	-1.5
			eS	31	21.07	
YUP	3.25	96	ePc	30	51.65	-1.3
OXX	4.26	306	eP	31	06.50	-0.8
LVVM	6.04	329	(P)	31	28.00	-4.1X
IIT	6.64	313	(P)	31	49.00	8.1X
ACX	6.87	290	(P)	31	50.00	6.3X
PPM	6.90	311	eP	31	45.00	0.3

UNM	7.48	310	(P)	32	10.00	17.4X
MRX	9.24	305	(P)	32	16.50	-0.1
LTX	17.63	328	eP	34	07.27	0.1
UYO	19.55	357	iPd	34	29.00	-1.0
MIAR	19.90	359	eP	34	32.03	-1.6
	0.8s		25.43nm			4.6mb
MEO	20.72	347	iPc	34	41.20	-1.0
OCO	21.23	350	iPd	34	48.40	1.0
TUL	21.39	354	iP	34	50.10	1.1
MYNC	21.97	20	ePc	34	48.79	-6.1X
	0.7s		7.77nm			4.2mb
GBTN	22.49	19	(P)	35	02.65	2.7X
			e	35	13.00	
ELC	22.89	8	(P)	35	03.36	-0.5
FVM	23.45	5	eP	35	08.69	-0.6
	1.0s		11.26nm			4.3mb
ALQ	23.57	332	eP	35	11.12	0.4
	0.8s		5.83nm			4.1mb
TUC	23.90	321	eP	35	15.37	1.6
	0.8s		13.98nm			4.5mb
GLD	27.24	339	ePc	35	45.04	-0.1
	2.0s		48.12nm			4.8mb
GOL	27.24	339	eP	35	45.23	-0.1
	0.8s		8.95nm			4.5mb
PV08	27.56	333	eP	35	48.75	0.5
ARUT	29.31	326	eP	36	04.15	0.3
DAU	30.23	332	(P)	36	12.72	0.6
RSSD	30.89	345	(P)	36	17.84	0.0
	0.2s		1.26nm			4.3mb
BONR	32.24	321	(P)	36	30.41	0.6
LRM	35.15	336	eP	36	55.40	0.6
LBFM	36.52	323	eP	37	06.09	-0.4
LPZ	39.37	140	P	37	27.00	-4.0X
LPB	39.58	140	eP	37	39.00	6.5X
CNCB	39.86	141	eP	37	40.00	5.0X
			e	39	47.00	
LON	40.04	329	(P)	37	36.25	0.7
			e	37	44.89	
SIV	43.88	133	P	38	03.30	-4.0X
YKA	50.23	347	eP	38	55.40	-1.1
	0.8s		6.30nm			4.7mb
INK	59.59	344	eP	40	03.50	-0.9
	1.0s		3.00nm			4.4mb
FBA	62.29	337	(P)	40	21.19	-1.6
	0.7s		3.32nm			4.6mb
EKA	78.15	36	Pc	41	59.50	0.4
	0.8s		2.30nm			4.2mb
SSF	83.92	43	eP	42	29.50	-0.3
	0.9s		3.75nm			4.5mb
LOR	84.10	43	eP	42	31.30	0.6
	0.8s		4.85nm			4.6mb
Z	22s		0.10um			4.2Msz
NB2	84.17	28	P	42	32.00	1.2
	0.8s		4.80nm			4.6mb
SMF	84.25	43	eP	42	31.60	0.1
LBF	84.26	43	eP	42	30.40	-1.1
	0.8s		3.10nm			4.5mb
HAU	85.52	42	eP	42	38.00	0.2
	0.8s		4.55nm			4.7mb
Z	20s		0.10um			4.2Msz
BSF	85.86	42	eP	42	39.40	-0.2
CDF	86.00	41	eP	42	40.20	0.0
	1.0s		5.60nm			4.7mb
GEC2	89.86	39	eP	42	59.10	0.3
	0.8s		1.11nm			4.2mb
			e	43	06.30	
ZST	92.20	39	eP	43	15.30	5.9X
BDT	146.20	339	ePKP	49	40.00	0.0
HYB	147.18	15	ePKP	49	42.00	0.3
GBA	150.50	19	PKPd	49	51.20	4.4X
	0.9s		3.00nm			

S.D. = 0.9 on 42 of 55 obs.

& SEP 06, 1993 19h 44m 39.96s
 35.997 N 118.368 W
 DEPTH = 9.1km
 CENTRAL CALIFORNIA (39)
 <GM-P>. MD 3.0 (GM). ML 2.6
 (PAS).

WLHM	0.16	16	P	44	43.61	-0.2
WCHM	0.26	115	P	44	45.25	-0.3
WASM	0.30	211	P	44	46.25	0.0
WORM	0.32	161	P	44	46.22	-0.3
ISA	0.34	194	eP	44	46.67	-0.4
VPBM	0.45	96	P	44	48.75	-0.4
WJPM	0.59	189	P	44	51.61	-0.3

WSHM	0.80	117	P	44	55.40	-0.2
SNDC	0.85	176	P	44	56.29	-0.3
ARVC	0.95	204	P	44	58.70	0.6
MARC	1.27	219	P	45	04.28	0.6
BHPR	1.30	356	P	45	04.61	0.3
CRGC	1.34	236	P	45	05.48	0.7
ABL	1.34	212	eP	45	04.43	-0.5
			eS	45	21.65	
YEG	1.41	247	P	45	06.59	0.7
GSC	1.45	118	eP	45	06.16	-0.3
BCH	1.62	240	eP	45	08.95	0.1
CLKR	1.63	347	P	45	10.96	1.8
ORC	1.65	352	P	45	07.78	-1.7
PDRM	1.65	282	P	45	10.81	1.5
PHAM	1.66	265	eP	45	10.10	0.8
MRCM	1.68	356	eP	45	11.23	1.5
			eS	45	32.29	
MMPM	1.69	342	eP	45	11.34	1.2
			eS	45	32.96	
MCSM	1.71	346	P	45	12.03	1.7
MEMM	1.73	345	eP	45	11.95	1.7
			eS	45	35.33	
SSK	1.87	163	eP	45	12.99	0.5
BONR	1.96	2	eP	45	16.37	2.5
			eS	45	42.79	
TNP	2.28	24	eP	45	20.98	2.5
PEC	2.32	154	(P)	45	19.53	0.5
CMB	2.60	322	eP	45	25.02	2.2
			eS	45	55.99	
PLM	2.91	154	(Pn)	45	28.18	0.7
JBMM	3.32	295	P	45	35.65	2.5
GLA	4.14	134	(Pn)	45	43.94	-0.9

33 obs. associated

SEP 06, 1993 20h 14m 04.38± 0.57s
 23.503 N ± 4.3km 94.212 E ± 3.9km
 DEPTH = 84.8 ± 5.8 km
 4.7mb (42 obs.)

MYANMAR-INDIA BORDER REGION (294)

CHTO	6.42	136	ePnd	15	37.80	-0.5
			eSg	17	07.70	
LSA	6.75	337	P	15	45.20	2.0
BDT	7.68	143	eP	15	55.00	-0.5
	1.0s		69.00nm			5.3mb
KMI	7.94	77	Pd	16	02.00	2.6
	1.6s		70.00nm			5.1mb
			eS	17	25.00	
GUN	8.70	302	P	16	07.80	-2.1
KKN	9.12	300	P	16	14.00	-1.5
DMN	9.18	298	P	16	14.80	-1.6
	0.4s		28.00nm			5.5mb
NST	9.58	143	eP	16	23.00	1.5
KHT	9.61	154	eP	16	21.80	-0.1
CD2	11.25	47	Pc	16	43.50	-0.5
LZH	15.06	31	eP	17	32.00	-1.9
HYB	15.87	250	eP	17	44.00	-0.1
			eS	20	30.00	
NDI	16.11	292	eP	17	49.50	2.4</

06d 20h

	i	24	14.90	
MLR	58.60 310 iPc	23	55.00	0.1
MUN	59.04 158 eP	23	51.40	-6.4X
KAF	59.18 330 iP	23	58.20	-0.2
	0.3s		1.40nm	4.6mb
NUR	59.79 328 iP	24	02.40	-0.2
	0.4s		4.30nm	4.9mb
SDF	60.02 336 iP	24	04.20	0.0
ASPA	60.70 138 iPc	24	08.30	-1.0
	0.5s		12.80nm	5.3mb
HFS	65.23 327 eP	24	37.90	-0.8
	0.4s		10.30nm	5.1mb
PRU	65.85 316 P	24	48.40	5.6X
VBY	66.07 311 eP	24	45.20	0.9
BRG	66.10 317 iPc	24	44.80	0.4
NB2	66.37 328 P	24	45.40	-0.6
	0.6s		4.80nm	4.6mb
GEC2	66.57 315 ePc	24	47.90	0.3
	0.6s		5.97nm	4.7mb
CLL	66.62 317 iP	24	47.90	0.1
KBA	67.10 313 iPc	24	50.60	-0.5
	0.5s		3.80nm	4.6mb
MOX	67.60 317 e(P)	24	54.00	0.0
GRF	68.02 316 ePc	24	57.50	0.9
WTTA	68.21 313 iPc	24	57.40	-0.7
	0.4s		2.90nm	4.6mb
WATA	68.24 313 iPd	24	57.60	-0.6
SQTA	68.51 313 iPc	24	59.00	-0.8
	0.5s		6.40nm	4.8mb
MOTA	68.55 314 iPc	24	59.50	-0.6
	0.7s		7.40nm	4.7mb
OSS	69.33 313 eP+	25	05.00	0.0
VDL	69.83 313 P	25	08.00	0.0
TMA	70.32 313 iP+	25	10.60	-0.4
CDF	70.83 315 eP	25	13.60	-0.3
	0.8s		6.45nm	4.6mb
DIX	71.32 313 iP	25	17.90	0.8
HAU	71.53 315 eP	25	17.70	-0.4
	0.9s		8.50nm	4.6mb
LPG	71.91 312 eP	25	20.80	0.1
	0.7s		6.05nm	4.6mb
LPL	71.92 312 eP	25	20.80	0.1
	0.6s		9.85nm	4.9mb
MTD	73.11 243 iPd	25	13.10	-14.8X
LOR	73.35 315 eP	25	28.20	-0.5
	0.9s		4.90nm	4.4mb
LBF	73.35 314 eP	25	28.40	-0.4
	0.8s		5.65nm	4.5mb
SMF	73.54 314 eP	25	29.60	-0.3
	0.7s		7.95nm	4.7mb
SSF	73.64 315 eP	25	30.30	-0.1
	0.9s		12.80nm	4.8mb
AVF	73.82 314 eP	25	31.30	-0.1
	1.0s		11.60nm	4.7mb
MAF	74.51 314 eP	25	35.80	0.3
	0.9s		5.10nm	4.4mb
TCF	74.72 314 eP	25	37.00	0.3
	0.7s		7.60nm	4.7mb
EKA	75.04 324 Pd	25	39.30	1.0
	0.9s		8.00nm	4.6mb
LSZ	75.16 246 iPd	25	40.80	1.1
CAF	75.25 313 eP	25	40.40	0.6
	1.1s		14.40nm	4.8mb
LDF	75.49 317 eP	25	40.90	-0.1
	0.6s		5.05nm	4.6mb
RJF	75.49 313 eP	25	41.90	0.8
	0.9s		9.50nm	4.7mb
LPO	75.92 313 eP	25	44.10	0.6
	0.5s		4.90nm	4.7mb
GRR	76.02 317 eP	25	44.10	0.1
	0.6s		4.70nm	4.6mb
LFF	76.13 313 eP	25	45.30	0.6
	0.6s		4.95nm	4.6mb
LPF	76.26 317 eP	25	45.50	0.2
	0.6s		6.05nm	4.7mb
BUL	77.26 241 iPd	25	52.00	0.5
INK	82.04 16 eP	26	16.50	0.4
	1.0s		3.00nm	4.1mb
MIAR	121.80 8 ePKP	32	50.22	-0.1
LTX	124.72 19 iPKPd	32	55.33	-0.9
	S.D. = 0.9 on 70 of 76 obs.			

& SEP 06, 1993 20h 34m 01.46s
33.381 N 116.283 W
DEPTH = 13.1km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.5 (PAS). Felt.

PLM	0.49 267 iPc	34	10.81	-0.6
	eS	34	17.62	
PEC	0.89 305 eP	34	17.37	-0.9
	eS	34	28.74	
GLA	1.26 105 eP	34	21.89	-2.8
SSK	1.44 306 (P)	34	26.35	-1.0
	eS	34	45.58	
	4 obs. associated			

SEP	06, 1993 20h 57m 22.41± 0.35s			
	30.282 N ± 7.4km 94.809 E ± 4.2km			
	DEPTH = 33.0km (normal)			
	4.7mb (27 obs.)			
XIZANG		(306)		
LSA	3.23 261 P	58	17.10	4.7X
CD2	7.74 83 eP	59	18.50	2.9
GUN	8.16 255 P	59	21.40	-0.4
KKN	8.70 256 P	59	27.20	-2.0
KMI	8.71 124 Pc	59	30.00	0.8
	pP	59	37.50	
	sP	59	41.50	
DMN	8.91 255 P	59	30.80	-1.3
	0.8s		70.00nm	5.9mb X
LZH	9.53 50 eP	59	38.00	-2.5
	1.4s		26.00nm	5.3mb
GYA	11.11 107 P	00	01.00	-1.2
	1.0s		33.00nm	5.5mb
XAN	12.53 69 eP	00	19.00	-2.2
WMQ	14.65 339 P	00	48.10	-1.0
	1.2s		20.00nm	4.4mb
BTO	16.09 46 eP	01	09.00	1.2
TIY	16.37 58 eP	01	09.20	-2.2
	Z 16s		0.95um	
	E 11s		0.37um	
WHN	16.86 84 eP	01	15.50	-2.0
HHC	17.20 48 P	01	22.00	0.2
	1.4s		37.00nm	4.3mb
KSH	17.93 306 eP	01	31.00	0.1
	1.1s		30.00nm	4.3mb
TIA	19.56 67 eP	01	52.40	2.0
HYB	19.59 233 eP	01	50.00	-0.9
BJI	19.96 55 eP	01	54.50	0.0
	2.0s		62.00nm	4.6mb
	Z 12s		0.61um	3.7MsZ
NJ2	20.64 79 Pc	02	02.20	0.5
GBA	23.08 228 P	02	26.20	0.1
	0.9s		8.00nm	4.2mb
SNY	25.84 56 eP	02	52.00	-0.4
	1.2s		20.00nm	4.6mb
CN2	27.75 52 eP	03	10.30	0.4
	1.0s		12.00nm	4.5mb
	ePp	03	16.00	20kmX
MAIO	30.01 291 eP	03	32.00	1.6
OBN	47.74 319 iPc	05	59.00	1.1
	1.5s		35.00nm	5.2mb
MLR	54.83 307 eP	06	51.50	-0.2
HFS	59.92 325 eP	07	25.70	-1.5
	0.6s		1.30nm	4.3mb
NB2	60.97 326 P	07	33.40	-1.1
	0.9s		4.90nm	4.6mb
GEC2	62.29 313 eP	07	42.80	-0.8
	0.7s		1.93nm	4.3mb
	e	07	53.80	
WRA	62.77 138 P	07	47.20	0.2
	0.6s		1.40nm	4.3mb
WB2	62.78 138 eP	07	47.30	0.3
	0.6s		3.00nm	4.6mb
GRF	63.62 314 ePc	07	54.00	1.7
CDF	66.49 313 eP	08	11.30	0.4
	1.2s		7.45nm	4.7mb
BSF	66.99 313 eP	08	14.40	0.3
	1.0s		5.60nm	4.6mb
HAU	67.21 313 eP	08	15.70	0.3
LPG	67.84 311 eP	08	19.40	-0.3
	0.9s		9.50nm	4.9mb
LPL	67.84 311 eP	08	19.30	-0.4
	0.8s		7.50nm	4.8mb
LOR	69.05 313 eP	08	26.90	0.0
	1.2s		6.85nm	4.6mb
SMF	69.29 313 eP	08	28.70	0.3
	1.3s		18.05nm	5.0mb
SSF	69.35 313 eP	08	29.10	0.4
	1.3s		16.95nm	5.0mb
AVF	69.55 313 eP	08	30.40	0.5
	1.2s		10.70nm	4.8mb
HYF	69.81 314 eP	08	31.40	-0.1

MAF	70.27 313 eP	08	34.30	-0.1
	1.2s		13.10nm	4.9mb
TCF	70.47 313 eP	08	36.50	0.9
	1.2s		19.65nm	5.1mb
RJF	71.31 312 eP	08	41.90	1.2
	1.4s		27.90nm	5.1mb
INK	75.41 17 eP	09	06.00	1.8
	1.4s		9.00nm	4.6mb
LSZ	78.47 245 iPd	09	12.10	-10.1X
	i	10	24.00	
BUL	81.01 240 iPc	09	37.20	1.4
	i	10	37.50	
	S.D. = 1.2 on 45 of 47 obs.			

SEP	06, 1993 21h 18m 48.59± 6.11s			
	12.667 N ±53.1km 89.043 W ±14.1km			
	DEPTH = 33.0km (normal)			
	OFF COAST OF CENTRAL AMERICA (76)			
	Felt (III) at San Salvador, El Salvador.			
SJAS	1.00 353 iPd	19	06.10	-0.3
	iS	19	18.10	
VSM	1.06 45 iPc	19	07.50	0.0
LFU	1.08 356 iPd	19	07.40	-0.1
VSS	1.09 350 iPd	19	07.80	0.1
CUSS	1.52 325 iPd	19	13.50	-0.3
YPE	1.57 337 iPd	19	15.20	0.5
	S.D. = 0.4 on 6 of 6 obs.			

& SEP	06, 1993 21h 29m 10.09s			
	61.268 N 151.410 W			
	DEPTH = 73.6km			
	SOUTHERN ALASKA (2)			
	<AEIC>.			
CGLM	0.29 278 P	29	21.20	-0.7
SPU	0.32 255 eP	29	21.39	-0.7
	eS	29	30.66	
CRP	0.36 270 iP	29	21.95	-0.5
CKN	0.38 264 eP	29	22.04	-0.4
SUA	0.38 58 iP	29	22.37	-0.1
	eS	29	31.99	
NCG	0.38 291 eP	29	21.94	-0.6
CKT	0.39 260 eP	29	21.91	-0.7
CP2	0.40 270 iP	29	22.36	-0.5
CKL	0.45 261 eP	29	22.44	-0.7
BKG	0.46 245 eP	29	22.39	-0.8
	eS	29	32.55	
BGL	0.47 270 eP	29	22.49	-0.8
NKA	0.53 171 eP	29	24.93	1.2
SKT	0.72 355 eP	29	25.00	-0.7
	eS	29	37.12	
PWA	0.83 62 P	29	27.20	0.3
PMS	0.89 91 P	29	27.70	-0.1
	S	29	41.70	
DFR	0.92 223 iP	29	27.31	-0.9
	eS	29	40.79	
SLKM	0.96 142 eP	29	27.80	-0.8
NCT	1.03 227 eP	29	28.59	-0.9
	eS	29	43.58	
RSO	1.04 220 eP	29	28.96	-0.8
	eS	29	44.29	
RS2	1.04 220 eP	29	29.01	-0.8
	eS	29	44.16	
RDW	1.04 222 P	29	29.00	-0.8
RED	1.08 219 eP	29	29.25	-0.9
	eS	29	44.49	
PLRM	1.14 72 eP	29	30.25	-0.6
	eS	29	46.27	
PTE	1.23 108 iP	29	31.28	-0.6
	eS	29	47.71	
CUT	1.26 25 eP	29	32.24	-0.1
	eS	29	49.28	
MPA	1.27 127 eP	29	31.73	-0.8
	eS	29	47.97	
GHO	1.29 66 eP	29	32.49	-0.4
	eS	29	50.16	
ILIM	1.42 213 eP	29	33.49	-1.0
	eS	29	51.60	
INE	1.46 215 eP	29	35.14	0.0
INW	1.47 216 eP	29	34.80	-0.5
SEW	1.52 140 eP	29	34.55	-1.2
	eS	29	53.87	
PWL	1.55 104 eP	29	35.11	-1.2
	eS	29	55.27	
SML	1.57 68 eP	29	35.58	-1.0

06d 21h

HOM	1.62	184	eP	29	36.71	-0.5
CNPM	1.75	177	eP	29	37.84	-1.1
CFI	1.76	91	eP	29	38.06	-1.1
			eS	30	00.14	
OPT	1.85	210	eP	29	40.09	-0.3
HUR	1.91	25	eP	29	41.61	0.5
SCM	2.04	72	eP	29	42.02	-0.9
SVW	2.05	267	P	29	41.70	-1.4
AUL	2.14	209	eP	29	43.89	-0.5
AUE	2.15	208	P	29	43.70	-0.7
AUW	2.16	209	P	29	44.50	-0.1
TRF	2.25	13	eP	29	46.17	0.1
MTU	2.25	123	eP	29	44.28	-1.6
KTH	2.31	5	eP	29	46.45	-0.2
VZW	2.36	93	eP	29	45.45	-2.0
FID	2.46	100	eP	29	45.89	-2.8
VLZ	2.46	91	eP	29	46.78	-1.9
CDD	2.60	206	P	29	51.50	0.8
DHY	2.62	44	eP	29	50.44	-0.7
TOA	2.63	69	P	29	50.90	-0.3
KLU	2.65	83	eP	29	49.41	-2.1
SYI	2.71	191	eP	29	51.12	-1.1
NEA	3.49	17	eP	30	02.06	-1.0
GLB	3.66	84	eP	30	05.12	-0.5

56 obs. associated

? SEP 06, 1993 22h 00m 35.42± 3.19s
54.867 S ± 37.9km 159.283 E ± 13.9km
DEPTH = 33.0km (normal)
4.5mb (5 obs.)

MACQUARIE ISLANDS REGION (167)

MCQ	0.41	333	iPc	00	44.60	-0.1
			eS	00	46.70	
SIZ	9.76	39	P	02	55.70	-0.7
TUZ	11.09	41	eP	03	15.30	0.7
MSZ	11.62	32	P	03	25.50	3.6X
TOO	19.69	326	eP	05	07.00	2.4X
	1.0s		39.00nm			4.7mb
CNB	20.73	337	eP	05	15.00	-0.4
CAN	20.81	336	e(P)	05	16.50	0.3
			eTT	23	30.00	
STK	26.18	324	eP	06	10.00	1.6
	1.2s		3.40nm			3.8mb
ASPA	36.43	319	iPc	07	39.80	1.0
	1.0s		21.50nm			5.0mb
WB2	39.66	322	iPc	08	05.80	0.0
	0.7s		7.90nm			4.6mb
WRA	39.66	322	P	08	03.50	-2.3
	0.8s		4.40nm			4.3mb
OBN	147.90	294	iPKPc	20	21.10	6.8X
	1.5s		35.00nm			
			i	20	29.60	
MLR	149.21	272	ePKP	20	25.00	8.1X

S.D. = 1.3 on 9 of 13 obs.

SEP 06, 1993 22h 20m 02.96± 0.72s
31.914 S ± 6.6km 71.344 W ± 9.2km
DEPTH = 90.0 ± 9.3 km
NEAR COAST OF CENTRAL CHILE (135)
MD 4.4 (SAN). Felt (III) at La
Ligua and Catapilco; (II) at
Papudo.

JACH	1.00	141	iP	20	21.55	-1.5
			(S)	20	35.03	
ROCH	1.09	165	iP	20	23.35	-0.9
			(S)	20	34.99	
IHA	1.14	193	iPc	20	24.00	-0.5
			iS	20	36.30	
PEL	1.35	156	iP	20	26.81	-0.4
			iS	20	39.87	
LCCH	1.57	187	iP	20	30.33	0.3
			(S)	20	39.09	
SAN	1.64	160	iP	20	31.14	0.2
FCH	1.67	148	iP	20	31.33	-0.3
			(S)	20	55.47	
PCH	1.84	158	iP	20	33.87	0.2
			(S)	20	49.08	
LNW	2.04	182	iP	20	36.28	0.1
			(S)	21	04.82	
CACH	2.28	164	iP	20	40.50	0.8
ZON	2.30	82	iPd	20	41.50	1.7
			eS	20	54.50	
MDZ	2.32	115	iP	20	41.90	1.8
			e	20	58.70	
			(S)	21	13.10	

RTRS	2.37	43	iPc	20	42.20	1.5
RTCV	2.39	89	eP	20	42.00	1.0
RTLL	2.52	77	iPc	20	43.00	0.2
			S	21	12.50	
CFA	2.66	84	iPc	20	45.80	1.1
			S	21	18.00	
RTPR	4.44	70	eP	21	08.00	-1.3
MRA	4.80	97	ePd	21	13.00	-1.3
CYA	5.92	56	ePc	21	27.50	-2.3
			(S)	22	34.00	
ANT	8.22	6	eP	22	02.50	1.1
SLA	8.82	37	e(P)	22	08.00	-1.7
CNCB	15.34	12	P	23	42.00	5.7X
LBP	15.59	12	P	23	46.10	6.8X
LPZ	15.83	11	P	23	43.30	0.8
SIV	18.40	33	P	24	12.30	-1.4
PPD	20.36	66	eP	24	34.00	-0.4
RSTA	20.92	75	(P)	24	40.00	0.0
BAO	26.73	58	iPc	25	36.90	0.9
			e	25	56.00	
WB2	122.86	209	ePKP	38	50.80	0.4
	0.5s		2.80nm			
WRA	122.86	209	PKP	38	54.00	3.5X
	0.5s		1.20nm			

S.D. = 1.2 on 27 of 30 obs.

& SEP 06, 1993 22h 20m 06.46s
32.409 N 115.346 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.8 (PAS).

GLA	0.78	34	eP	20	19.63	-2.3
PLM	1.59	307	(P)	20	34.27	-1.0
			eS	20	55.57	
PEC	2.12	315	(P)	20	41.00	-2.0
SSK	2.66	313	(Pn)	20	48.33	-2.5
			ePg	20	55.17	
GSC	3.13	338	(P)	20	54.03	-3.3

5 obs. associated

& SEP 06, 1993 22h 20m 42.86s
32.341 N 115.350 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.7 (PAS).

PLM	1.62	309	(P)	21	11.58	-0.7
			eS	21	32.69	
PEC	2.17	316	(P)	21	18.31	-1.7
			eS	21	45.19	

2 obs. associated

& SEP 06, 1993 22h 22m 01.78s
32.428 N 115.337 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.0 (PAS).

GLA	0.76	35	(P)	22	16.22	-0.7
PLM	1.58	306	eP	22	30.80	0.2
			eS	22	48.57	
PEC	2.11	314	(P)	22	39.11	0.9
			eS	23	05.82	
SSK	2.66	313	(Pn)	22	45.13	-0.9
			ePg	22	50.50	

4 obs. associated

& SEP 06, 1993 22h 30m 12.81s
32.353 N 115.357 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.8 (PAS).

GLA	0.83	33	iPc	30	27.23	-2.0
PLM	1.61	309	ePd	30	39.68	-2.4
PEC	2.16	316	ePn	30	46.68	-3.1
			ePg	30	51.09	
			eS	31	17.80	
SSK	2.69	314	ePn	30	54.90	-2.7
			ePg	31	02.30	
			eS	31	34.38	
GSC	3.18	338	ePn	31	03.11	-1.3
			ePg	31	15.33	
TUC	3.87	89	ePn	31	11.82	-2.4
ABL	4.07	309	ePn	31	15.39	-1.8
ISA	4.20	323	ePn	31	15.90	-2.9

BCH	4.85	307	ePg	31	33.09	
ARUT	5.65	16	ePn	31	25.72	-2.4
TNP	5.92	346	(Pn)	31	41.43	-1.8
MEMM	6.06	332	(Pn)	31	41.51	-3.6
BONR	6.09	337	(Pn)	31	43.72	-2.1
			e	31	58.82	
MSU	6.67	22	(Pn)	31	52.17	-1.9
			ePg	32	16.50	
CMB	7.00	325	(P)	31	56.37	-2.1
SRU	7.80	29	(Pn)	32	07.83	-2.0
ALQ	7.86	68	ePn	32	08.35	-2.2
PV10	7.92	39	(P)	32	09.00	-2.5
DUG	8.09	14	(P)	32	11.63	-2.2

19 obs. associated

& SEP 06, 1993 22h 40m 54.79s
32.358 N 115.335 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.8 (PAS).

GLA	0.81	32	ePc	41	08.97	-2.0
PLM	1.62	308	eP	41	22.56	-1.6
			eS	41	44.97	
PEC	2.16	315	eP	41	30.53	-1.4
			eS	42	00.19	
SSK	2.70	314	ePn	41	38.11	-1.7
			eS	42	17.31	

4 obs. associated

? SEP 06, 1993 22h 42m 39.45± 4.98s
39.405 N ± 9.2km 26.011 E ± 50.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.1 (ISK).

EZN	0.49	30	iPg	42	49.10	-0.2
			iSg	42	54.60	
IZM	1.40	135	ePn	43	05.00	-0.1
MFT	1.69	35	iPn	43	09.50	0.3
EDC	1.71	56	ePn	43	09.00	-0.4
KCT	1.99	64	ePn	43	14.00	0.4

S.D. = 0.5 on 5 of 5 obs.

SEP 06, 1993 22h 52m 45.62± 1.40s
47.490 N ± 8.7km 7.673 E ± 8.4km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.5 (LDG), 2.2 (STR).

BBS	0.11	257	Pg	52	48.75	0.2
			Sg	52	50.70	
FEL	0.45	31	ePg	52	54.60	-0.2
MOF	0.51	315	Pg	52	55.59	-0.5
			Sg	53	02.30	
LOMF	0.59	257	Pg	52	57.47	-0.2
			Sg	53	06.04	
BSF	0.69	300	Pg	52	59.50	0.2
			Sg	53	07.60	
			Sn	53	09.70	
ECH	0.80	335	Pg	53	01.51	0.3
			Sg	53	11.10	
WLS	0.95	347	Pg	53	03.66	-0.1
			Sg	53	15.91	
CDF	0.96	344	Pg	53	04.30	0.3
			Sg	53	16.20	
HAU	1.03	300	Pg	53	05.00	-0.1
			Sg	53	18.20	
LPL	2.08	199	Pg	53	25.00	3.8X
			Sg	53	52.80	
LPG	2.09	198	Pg	53	25.90	4.5X
			Sg	53	52.80	
LBF	2.57	260	Pg	53	33.30	5.3X
			Sg	54	05.10	
LOR	2.60	267	Pg	53	33.90	5.5X
			Sg	54	05.40	
SMF	2.75	254	Pg	53	36.40	5.8X
			Sg	54	11.10	
SSF	2.87	263	Pg	53	39.30	7.1X
			Sg	54	14.10	
AVF	3.03	258	Pg	53	42.40	7.9X
BGF	3.43	256	Pg	53	49.30	9.1X
			Sg	54	32.80	
GEC2	4.26	69	ePKP	54	08.70	16.7X
	0.8s		0.73nm			
			e	54	17.90	

06d 22h

S.D. = 0.3 on 9 of 18 obs.
 & SEP 06, 1993 22h 53m 42.81s
 60.167 N 153.508 W
 DEPTH = 175.5km
 SOUTHERN ALASKA
 <AEIC>.

INW	0.21	118	eP	54	05.58	0.6
			eS	54	23.56	
ILIM	0.29	107	iP	54	05.72	0.6
			eS	54	24.34	
RDW	0.47	47	iP	54	06.49	0.6
RS2	0.48	51	eP	54	06.54	0.6
RSO	0.48	51	eP	54	06.52	0.6
NCT	0.49	36	eP	54	06.39	0.6
			eS	54	25.04	
OPT	0.53	165	iP	54	06.90	-0.6
			eS	54	25.82	
DPR	0.59	43	eP	54	06.74	-1.1
			eS	54	26.55	
HOM	1.07	118	eP	54	10.72	-0.1
			eS	54	32.42	
BKG	1.09	34	iP	54	10.10	-1.1
XLV	1.15	128	eP	54	10.85	-0.7
			eS	54	32.67	
CKL	1.18	29	eP	54	11.04	-0.9
CKT	1.22	31	eP	54	11.14	-1.1
BGL	1.23	26	eP	54	11.64	-0.7
CP2	1.26	29	eP	54	11.61	-1.2
NKA	1.26	62	eP	54	12.72	0.2
CNPM	1.32	118	P	54	12.30	-0.7
BRLK	1.38	106	eP	54	13.47	-0.1
			eS	54	35.85	
SYI	1.66	159	eP	54	15.42	-0.9
SLKM	1.67	77	P	54	14.60	-1.9
SUA	1.88	45	eP	54	17.09	-1.6
			eS	54	45.25	
SEW	2.03	90	P	54	19.20	-1.0
SKT	2.06	27	P	54	19.30	-1.3
			S	54	48.10	
MPA	2.09	79	P	54	19.20	-1.7
PMS	2.22	59	P	54	20.50	-2.0
			S	54	51.10	
PWA	2.32	48	eP	54	21.30	-2.2
PTE	2.33	71	P	54	21.50	-2.1
KDC	2.48	167	eP	54	22.60	-2.8
PLRM	2.57	54	eP	54	23.96	-2.5
PWL	2.65	73	eP	54	25.07	-2.4
CUT	2.74	33	eP	54	27.15	-1.3
			eS	55	01.88	
GHO	2.75	52	eP	54	26.35	-2.5
MTU	2.94	91	eP	54	30.43	-0.6
CFI	3.00	68	eP	54	29.90	-1.8
			eS	55	08.11	
SML	3.01	55	eP	54	29.14	-2.8
SCM	3.44	58	eP	54	35.38	-2.0
HIN	3.50	83	eP	54	36.80	-1.2
PID	3.53	77	eP	54	35.91	-2.5
VZW	3.54	72	eP	54	37.48	-1.1
			eS	55	19.31	
VLZ	3.66	72	eP	54	38.13	-1.9
			eS	55	22.08	
CVA	3.87	81	P	54	42.40	-0.3
KLU	3.95	67	eP	54	41.46	-2.3
TOA	4.05	58	P	54	44.00	-1.1
SGAM	4.14	82	eP	54	45.15	-1.0
GLB	4.92	71	eP	54	55.21	-1.1
CRQM	5.17	79	eP	54	58.88	-0.8
HDA	5.24	33	eP	54	57.89	-2.6
TGL	5.32	79	eP	55	00.77	-0.9
BALM	5.57	76	eP	55	04.16	-0.8

49 obs. associated

% SEP 07, 1993 00h 20m 57.77± 0.65s
 31.459 S ±10.5km 68.123 W ± 6.1km
 DEPTH = 33.0km (normal)
 SAN JUAN PROVINCE, ARGENTINA (137)

CFA	0.18	214	iPc	21	03.20	-1.0
			S	21	08.00	
RTLL	0.32	293	iPc	21	05.70	-0.2
RTCV	0.53	221	eP	21	09.00	0.1
			S	21	18.90	
RTCB	0.58	267	e(P)	21	10.50	0.9
RTPR	1.80	51	iPd	21	26.50	-0.5
			S	21	47.50	

MRA 2.26 115 ePd 21 33.80 0.2
 (S) 22 02.10
 TCA 3.02 89 e(P) 21 45.00 0.5
 (S) 22 18.00

S.D. = 0.8 on 7 of 7 obs.

SEP 07, 1993 01h 05m 45.82± 1.02s
 38.480 N ± 6.1km 20.373 E ± 9.3km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 ML 3.1 (THE). MD 3.3 (ATH).

VLS	0.35	150	iPc	05	53.00	0.0
			eS	06	00.00	
IGT	1.05	358	ePg	06	05.20	-0.4
			eSg	06	20.84	
KEK	1.31	340	eP	06	10.50	0.5
			eS	06	30.50	
AGG	1.62	70	ePb	06	14.20	-0.4
KZN	2.12	30	eP	06	23.00	1.2
			eS	06	50.50	
LIT	2.31	45	iPn	06	25.28	0.8
			iSn	06	54.68	
FNA	2.43	18	ePn	06	25.24	-1.0
			eSn	06	55.88	
OHR	2.65	7	iPn	06	29.00	-0.4
			i	06	33.50	
			i	06	57.50	
			i	07	01.00	
			Lg	07	20.00	
GRG	2.93	32	ePn	06	33.50	0.2
PAIG	2.95	60	iPn	06	33.24	-0.3
SOH	3.28	44	ePn	06	38.10	-0.2
OUR	3.35	55	ePn	06	39.40	0.1
SKO	3.58	13	ePn	06	46.00	3.5X
SRS	3.62	42	ePn	06	42.90	-0.2

S.D. = 0.6 on 13 of 14 obs.

* SEP 07, 1993 02h 09m 37.96± 2.38s
 14.248 N ±18.8km 93.263 W ±13.7km
 DEPTH = 56.1 ± 16.3 km
 4.2mb (9 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
 Felt in parts of Chiapas and
 also at Mexico City.

SCX	2.55	14	iP	10	19.00	1.4
			iS	10	51.50	
OXX	4.36	311	eP	10	41.50	-2.0
LVVM	6.25	331	(P)	11	05.00	-4.8X
PPM	7.03	314	eP	11	22.00	0.8
MRX	9.32	307	(P)	11	52.50	0.1
LTX	17.83	329	eP	13	45.15	1.3
UYO	19.86	357	iPd	14	05.10	-2.1
MIAR	20.21	359	eP	14	08.20	-2.6
			0.9s	12.99nm	4.3mb	
WMOK	21.00	347	eP	14	18.12	-0.8
			1.0s	6.51nm	3.9mb	
MEO	21.00	348	iPc	14	18.10	-0.9
TUL	21.69	354	iP	14	26.90	1.1
ACO	22.97	348	iPc	14	39.20	0.7
ALQ	23.79	332	eP	14	47.80	1.1
			0.7s	4.17nm	4.0mb	
TUC	24.07	321	eP	14	51.90	2.7X
			1.6s	19.03nm	4.4mb	
GOL	27.50	339	eP	15	22.17	0.8
			1.3s	17.93nm	4.5mb	
PV08	27.79	334	eP	15	25.32	1.2
PV09	27.94	333	(P)	15	25.37	0.0
RSSD	31.16	345	eP	15	54.08	0.1
			0.8s	4.07nm	4.2mb	
ULM	35.97	357	eP	16	35.50	0.5
YKA	50.51	347	eP	18	31.60	-0.6
			1.0s	8.20nm	4.7mb	
SOB1	56.93	111	(P)	19	20.00	-0.2
INK	59.86	344	eP	19	40.00	0.2
			0.8s	2.00nm	4.3mb	
GEC2	90.19	39	eP	22	34.30	0.5
			0.8s	0.65nm	4.0mb	
GBA	150.84	19	PKP	29	27.00	6.3X

S.D. = 1.3 on 21 of 24 obs.

SEP 07, 1993 02h 09m 56.38± 0.49s
 38.409 N ± 5.1km 133.778 E ± 4.9km
 DEPTH = 443.8 ± 5.4 km
 4.8mb (29 obs.)

SEA OF JAPAN (660)

MAT	3.99	117	iPd	11	11.20	-0.5
			1.4s	383.72nm		
			iS	12	13.40	
MDJ	6.95	334	iPc	11	41.70	0.3
			1.0s	85.00nm	4.8mb	
CN2	8.28	313	eP	11	56.20	0.2
			1.2s	30.00nm	4.5mb	
			eS	13	34.00	
SNY	8.53	297	iPd	11	59.80	1.0
			1.0s	83.00nm	5.0mb	
DL2	9.52	277	eP	12	10.50	0.7
			1.0s	220.00nm	5.5mb	
SSE	12.66	239	Pc	12	45.00	0.8
			1.0s	32.00nm	4.7mb	
TIA	13.44	266	Pd	12	52.80	0.2
			1.4s	140.00nm	5.2mb	
NJ2	13.74	247	Pd	12	56.60	0.9
			0.8s	220.00nm	5.7mb	
BJI	13.75	282	eP	12	54.50	-1.3
			1.6s	110.00nm	5.1mb	
TIY	16.83	274	eP	13	26.40	-1.1
			0.6s	83.00nm	5.4mb	
HHC	17.28	285	P	13	31.60	-0.5
			1.0s	28.00nm	4.7mb	
WHN	17.82	250	eP	13	36.50	-0.7
XAN	20.50	265	iPd	14	03.10	-0.2
			0.9s	61.00nm	5.1mb	
YAK	23.77	355	eP	14	32.00	-1.2
			e	15	40.00	
			i	18	12.00	
			e	39	41.00	
LZH	23.89	274	eP	14	33.50	-1.3
			1.6s	120.00nm	5.2mb	
GVA	25.70	250	P	14	50.00	-1.1
			0.8s	87.00nm	5.3mb	
GTA	26.36	283	P	14	56.00	-0.9
			0.8s	17.00nm	4.5mb	
WMQ	34.78	294	P	16	09.50	0.3
			0.6s	21.00nm	4.7mb	
CHTO	35.99	247	iPd	16	20.10	0.7
			0.9s	20.25nm	4.5mb	
NNT	39.69	239	iPc	16	49.80	0.0
GUN	41.04	270	P	17	01.60	0.5
KKN	41.57	270	P	17	05.80	0.6
DMN	41.79	270	P	17	07.20	0.2
			0.4s	21.00nm	4.9mb	
RSO	49.60	39	eP	18	00.99	-6.0X
CP2	49.73	38	(P)	18	09.05	1.1
FBA	51.19	32	eP	18	18.17	-0.1
			0.8s	7.88nm	4.1mb	
HYB	52.28	263	eP	18	27.00	0.0
GBA	55.39	260	Pd	18	50.00	0.9
INK	55.90	27	eP	18	52.00	-0.1
			0.6s	3.00nm	3.8mb	
WB2	58.04	179	iPc	19	07.00	-0.3
			0.5s	17.90nm	4.8mb	
			e	20	36.40	
WRA	58.04	179	P	19	07.20	-0.1
			0.6s	8.20nm	4.3mb	
ASPA	61.75	180	iPc	19	32.00	0.0
			0.6s	8.50nm	4.5mb	
HFS	70.21	333	eP	20	23.50	-0.9
			0.4s	14.80nm	4.9mb	
NB2	70.45	334	P	20	25.20	-0.6
			0.7s	6.00nm	4.3mb	
OJC	74.39	322	eP	20	49.00	0.3
			0.8s	32.00nm	5.0mb	
CLL	76.74	326	iPd	21	01.80	0.2
			0.6s	9.00nm	4.6mb	
PRU	77.01	325	eP	21	04.00	0.9
KHC	78.06	325	eP	21	09.40	0.5
GEC2	78.21	324	ePd	21	09.90	0.2
			0.6s	1.10nm	3.7mb X	
			e	21	17.00	
GRF	78.70	326	eP	21	13.00	0.7
CDF	81.37	327	eP	21	25.60	-0.7
			0.9s	4.60nm	4.1mb	

07d 02h

SEP 07, 1993 02h 26m 02.76± 0.74s
 26.917 S ± 6.7km 26.814 E ± 8.1km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.2 (PRE).

BFS 0.03 306 iPc 26 04.70 0.6
 S 26 05.70
 KSR 1.05 4 eP 26 23.00 -0.2
 SWZ 1.35 258 iPc 26 28.20 -0.2
 S 26 49.00
 SEK 1.57 153 iPc 26 32.50 0.9
 S 26 52.50
 SLR 1.77 49 eP 26 34.00 -0.3
 S 26 56.50
 FRS 3.11 205 eP 26 52.50 -0.9
 S 27 29.00
 S.D. = 0.9 on 6 of 6 obs.

? SEP 07, 1993 02h 28m 31.44± 3.33s
 7.431 S ±23.0km 127.746 E ±13.5km
 DEPTH = 118.6 ± 26.1 km
 4.4mb (3 obs.)
 BANDA SEA (280)

MTN 6.33 149 eP 30 05.20 1.5
 KNA 8.33 173 iPd 30 31.90 1.0
 0.2s 135.00nm 6.3mb X
 eS 31 56.00
 WB2 13.99 153 iPc 31 42.90 -2.8
 eS 34 08.70
 MBL 15.65 208 eP 32 06.00 -0.6
 0.5s 13.00nm 4.5mb
 eS 34 41.00
 ASPA 17.19 161 eP 32 24.60 -1.2
 eS 35 24.10
 QIS 17.38 140 iPc 32 28.00 -0.1
 eS 35 30.40
 MEEK 20.98 203 eP 33 07.10 0.2
 CTA 21.91 127 iPc 33 17.20 1.0
 1.0s 11.25nm 4.2mb
 FORT 23.23 179 eP 33 29.50 0.6
 MRWA 24.34 206 eP 33 40.80 1.2
 eS 38 10.00
 STK 27.54 154 iPd 34 07.90 -1.1
 0.4s 7.40nm 4.7mb
 e 34 37.00
 eS 39 27.30
 BWA 32.93 148 iPd 34 57.70 1.0
 e 36 00.40
 CAN 33.92 148 eP 35 05.10 -0.1
 e 36 01.60
 HYB 54.51 297 eP 37 49.00 -0.6
 PPD 150.71 182 ePKP 48 10.80 4.7X
 CNCB 151.33 147 PKP 48 14.30 6.4X
 LPB 151.49 147 PKP 48 14.40 6.5X
 LPAZ 151.68 146 PKP 48 14.40 5.9X
 i 48 24.60
 CCH 151.79 151 PKP 48 14.70 6.5X
 S.D. = 1.4 on 14 of 19 obs.

SEP 07, 1993 02h 48m 50.85± 0.15s
 31.635 S ± 4.1km 179.440 W ± 3.7km
 DEPTH = 10.0km (geophysicist)
 5.9mb (56 obs.) 6.5Msz (60 obs.)
 KERMADEC ISLANDS REGION (177)

Mw 6.5 (GS), 6.4 (HRV). Ms 6.5
 (BRK). Mo=3.4*10**18 Nm (PPT).
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=260 Dip=87 Slip= 2
 NP2: 170 88 177
 Principal Axes:
 T Val= 4.77 Plg= 4 Azm=125
 P 1 215
 Comment: The focal mechanism is
 moderately well controlled and
 corresponds to strike-slip
 faulting. The preferred fault
 plane is not determined.
 RADIATED ENERGY
 No. of sta: 10 Focal mech. F
 Energy 3.8±1.2*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 15 No. of sta: 11
 Moment Tensor; Scale 10**18 Nm
 Mrr= 0.65 Mtt=-2.00
 Mff= 1.35 Mrt=-0.35

Mrf= 0.93 Mtf= 6.27
 Principal axes:
 T Val= 6.21 Plg= 5 Azm=307
 N 0.69 82 177
 P -6.91 6 38
 Best Double Couple:Mo=6.6*10**18
 NP1:Strike= 82 Dip=82 Slip= -1
 NP2: 173 89 -172
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 46S, **C M.W.: 45S, 78C
 Centroid Location:
 Origin Time 02:48:56.6 0.1
 Lat 31.50S 0.01 Lon 179.34W 0.01
 Dep 15.0 FIX Half-duration 4.0
 Moment Tensor; Scale 10**18 Nm
 Mrr= 0.08 0.02 Mtt=-1.88 0.03
 Mff= 1.80 0.03 Mrt= 0.12 0.10
 Mrf=-0.19 0.10 Mtf= 4.44 0.02
 Principal Axes:
 T Val= 4.77 Plg= 1 Azm=124
 N 0.09 87 9
 P -4.86 2 214
 Best Double Couple:Mo=4.8*10**18
 NP1:Strike=259 Dip=88 Slip= -1
 NP2: 349 89 -178

RAO 2.71 29 iP 49 31.00 -4.3X
 HBZ 6.23 197 eP 50 22.80 -2.3
 KUZ 6.49 217 eP 50 29.70 1.0
 WUZ 6.72 229 P 50 32.50 0.5
 OUZ 6.83 237 P 50 33.00 -0.5
 URZ 7.19 202 eP 50 37.20 -1.3
 eS 52 04.60
 NOZ 7.27 196 eP 50 37.90 -1.7
 TAZ 7.37 206 eP 50 44.90 3.8X
 WLZ 7.44 212 eP 50 44.00 2.0
 UTU 7.45 208 eP 50 45.40 3.2X
 PATZ 7.60 206 P 50 46.90 2.5
 PAHZ 7.76 201 eP 50 46.10 -0.4
 MOZ 8.32 213 P 50 56.10 1.7
 NGZ 8.54 207 eP 50 56.30 -1.3
 CNZ 8.58 207 eP 50 57.80 -0.3
 WAHZ 8.74 202 eP 50 56.90 -3.4X
 PGZ 9.61 200 eP 51 06.90 -5.3X
 MNG 9.86 203 eP 51 10.90 -4.7X
 eS 53 05.70
 MRW 10.67 205 eP 51 21.90 -4.9X
 SNZO 10.74 204 eP 51 22.68 -5.0X
 eS 53 29.35
 TCW 10.81 206 eP 51 23.60 -5.1X
 THZ 11.82 209 eP 51 37.90 -4.6X
 KHZ 12.13 206 eP 51 38.90 -7.7X
 eS 53 58.60
 LTZ 12.93 208 eP 51 51.50 -5.9X
 eS 54 20.00
 MQZ 13.57 205 eP 51 58.10 -7.6X
 eS 54 30.10
 SVA 13.59 351 eP 52 11.10 5.0X
 VUN 13.70 352 eP 52 11.90 4.3X
 MBU 14.69 353 eP 52 24.30 3.7X
 LMZ 14.99 213 eP 52 18.60 -5.8X
 BWZ 15.36 210 eP 52 23.00 -6.1X
 ODZ 15.47 207 eP 52 24.20 -6.4X
 DZM 15.78 304 iPd 52 34.20 -0.6
 PVC 17.73 318 iPc 53 05.00 5.5X
 BKM 17.83 318 iPc 53 03.50 2.8X
 RAR 20.41 64 eP 53 27.98 -2.8
 1.0s 299.99nm 5.6mb
 ARMA 24.79 265 eP 54 16.90 2.5
 1.1s 136.00nm 5.5mb
 RIV 24.79 257 eP 54 17.30 3.1X
 z 18s 0.48um 4.0MszX
 iS 58 42.00
 CNB 26.22 253 eP 54 28.80 1.1
 1.1s 84.00nm 5.3mb
 i 54 38.70
 CAN 26.52 253 iPc 54 31.70 1.3
 i 54 38.80
 i 54 43.90
 BWA 27.03 255 e(P) 54 27.00 -8.1X
 i 54 34.30
 i 54 40.80
 i 55 00.10
 TOO 29.35 249 iPd 54 57.20 1.1
 AFR 30.29 69 eP 55 05.00 0.5
 0.7s 86.90nm 5.7mb

PAE 30.38 70 eP 55 05.60 0.3
 1.0s 223.20nm 6.0mb
 PPT 30.43 70 eP 55 06.31 0.5
 1.5s 789.70nm 6.3mb
 PPN 30.57 70 eP 55 07.40 0.4
 0.9s 124.50nm 5.8mb
 TVO 30.58 70 eP 55 07.20 0.1
 1.1s 240.30nm 6.0mb
 CTA 32.81 282 P 55 27.50 0.9
 CTAO 32.81 282 ePc 55 26.35 -0.3
 1.8s 582.31nm 6.2mb
 STK 33.02 259 P 55 28.20 -0.1
 PMO 33.20 67 eP 55 31.40 1.4
 1.8s 481.60nm 6.1mb
 VAH 33.28 68 eP 55 31.90 1.2
 1.3s 421.70nm 6.2mb
 TPT 33.43 68 eP 55 33.30 1.3
 1.5s 480.50nm 6.2mb
 RUV 33.50 68 eP 55 33.80 1.2
 1.3s 265.00nm 6.0mb
 ADE 34.96 253 iPd 55 46.20 1.1
 RAB 38.16 310 eP 56 12.00 -0.3
 iS 02 08.00
 QIS 38.20 277 eP 56 11.50 -1.1
 ASPA 41.83 269 P 56 42.70 0.1
 DRV 42.53 203 eP 56 52.00 4.3X
 S 03 06.00
 SS 06 30.00
 WB2 42.92 274 iPc 56 50.40 -1.2
 1.2s 53.40nm 5.1mb
 WRA 42.93 274 P 56 50.70 -0.9
 WRA 42.93 274 P 57 05.90 14.3X
 1.3s 48.40nm
 WB5 42.93 274 iPc 56 50.70 -1.0
 eS 03 25.50
 FORT 44.55 257 eP 57 03.50 -1.1
 SBA 46.72 184 iPc 57 24.00 2.8X
 MTN 48.98 281 eP 57 38.00 -1.6
 KNA 49.55 276 eP 57 43.00 -1.0
 CSY 53.48 208 iPc 58 10.60 -2.4
 0.8s 9.90nm 4.8mb X
 MEEK 53.71 259 eP 58 14.00 -1.4
 MBL 54.79 265 iPd 58 20.30 -3.0X
 1.0s 184.00nm 6.1mb
 MRWA 54.99 255 eP 58 26.00 1.3
 GUA 56.45 317 P 58 34.20 -1.0
 1.2s 437.50nm 6.4mb
 GUMO 56.51 317 eP 58 35.90 0.2
 2.0s 1133.53nm 6.6mb
 ePP 00 42.80
 PJG 56.51 317 eP 58 34.80 -0.9
 HON 56.53 24 P+ 58 44.25 8.6X
 z 19s 8.20um 5.8Msz
 SPA 58.54 180 iPd 58 48.90 -0.8
 1.0s 575.00nm 6.6mb
 z 18s 27.45um 6.4Msz
 KHKI 64.36 276 ePc 59 17.70 -11.7X
 e 04 15.00
 DAV 65.05 296 eP 59 31.50 -2.4
 CTB 66.18 295 iPd 59 41.00 -0.1
 CGP 66.59 297 ePd 59 43.00 -0.7
 TRT 67.22 275 ePc 59 46.60 -1.2
 SJI 67.94 275 ePc 59 53.50 1.2
 MAP 68.32 298 ePc 59 55.00 0.4
 TSM 69.42 289 eP 00 03.00 1.6
 MAW 70.72 201 eP 00 06.60 -1.9
 1.4s 19.10nm 5.0mb
 z 18s 27.10um 6.5Msz
 N 20s 31.00um
 E 19s 20.40um
 e 00 12.10
 iPP 00 19.10 43kmX
 iS 09 18.20
 e 10 14.70
 i 10 39.40
 e 12 22.10
 e 18 37.70
 eLQ 23 00.70
 GQP 71.77 300 ePc 00 16.00 0.4
 LEM 71.94 273 ePc 00 17.00 0.1
 2.0s 411.76nm 6.2mb
 eS 09 46.00
 eLR 11 22.00
 TGY 73.02 299 eP 00 21.00 -2.1
 QCP 73.25 299 eP 00 35.00 10.6X
 CVP 74.68 302 eP 00 33.00 0.4
 BAG 74.75 301 eP+ 00 31.60 -1.7

			eS	10	04.00	
KAKJ	77.38	328	eP	00	45.30	-2.1
NVL	77.57	184	iPc	00	47.00	-1.1
	2.0s	398.00nm				6.2mb
Z	18s	19.00um				6.5Msz
N	18s	11.00um				
E	18s	5.00um				
			i	01	02.00	
			e	01	56.00	
			e	02	40.00	
			ePP	03	54.00	
			ePPP	05	36.00	
			iS	10	37.00	
			ePS	11	10.00	
			eSS	15	44.00	
			eSSS	18	59.00	
CHJJ	77.79	327	eP	00	50.20	0.4
IIDJ	77.85	326	eP	00	48.40	-1.8
WKYJ	78.00	323	P	00	55.40	4.4X
SNA	78.32	179	iPd	00	51.20	-1.0
	1.1s	86.00nm				5.7mb
MAJO	78.57	326	eP	00	53.57	-0.5
	1.9s	499.20nm				6.2mb
		e		00	58.90	
MAT	78.57	326	(P)	00	50.00	-4.0X
	1.0s	13.00nm				4.9mb
Z	20s	10.99um				6.2Msz
		eS	10	53.00		
TKSJ	78.62	322	P	00	59.90	5.6X
NIJ	78.76	327	eP	00	58.40	3.3X
MTMJ	78.79	326	eP	00	54.10	-1.3
TSRJ	78.84	324	eP	00	56.70	1.2
SHK	79.76	322	eP	01	01.00	0.4
YONJ	79.85	322	P	01	01.20	0.2
SHNJ	80.30	320	P	01	07.40	4.0X
KUSJ	81.31	334	eP	01	09.90	1.4
QZH	81.66	306	eP	01	09.00	-1.8
	Z	40s	20.10um			6.2MszX
	N	18s	4.11um			
		S	11	25.00		
ASAJ	82.96	334	eP	01	17.10	0.0
HKC	83.14	301	eP	01	23.30	4.8X
SSE	84.00	312	P+	01	18.00	-4.7X
	Z	20s	7.30um			6.1Msz
N	24s	8.30um				
E	24s	8.80um				
		pP	02	12.00	222kmX	
		sP	03	10.00		
		PP	04	41.00		
		S	11	56.00		
SMY	84.20	356	P	01	30.00	6.9X
	Z	21s	22.24um			6.5Msz
GZH	84.22	301	eP	01	25.00	1.0
	Z	20s	5.62um			5.9Msz
N	12s	2.02um				
E	14s	2.77um				
QIZ	84.41	296	P	01	28.80	3.8X
	N	20s	2.65um			
	E	15s	1.09um			
SKR	84.75	345	eP	01	23.00	-3.0X
SNG	85.24	281	eP	01	32.00	2.8X
		eS	12	08.70		
YSS	85.40	335	eP	01	29.40	0.1
	Z	18s	9.10um			6.2Msz
N	19s	8.00um				
E	18s	6.10um				
		e	01	42.20		
		iS	12	07.00		
		ePS	13	02.00		
		e	17	34.00		
NJ2	86.12	311	Pc	01	35.40	2.2
	Z	22s	6.71um			6.0Msz
N	19s	7.94um				
		S	12	05.00		
PET	86.43	347	eP	01	36.00	1.7
		eS	12	12.00		
		ePPS	13	40.00		
VLA	86.73	327	iPc	01	38.50	2.5
	1.5s	97.00nm				5.8mb
		i	01	47.00		
		i	05	04.00		
BCH	86.75	45	eP	01</		

	Z	18s		24.87um			6.7MsZ
				SP	13	09.81	
STAN	87.04	42	eP	01	42.71	5.1X	
	1.2s					6.2mb	
	Z	21s		22.00um		6.5MsZ	
				eSKS	12	11.71	
				eS	12	22.71	
				eLQ	24	05.71	
				eLR	27	50.71	
ABL	87.05	46	eP	01	37.81	-0.2	
MHC	87.30	42	iPc	01	39.14	0.0	
	1.1s					6.2mb	
	Z	21s		27.00um		6.6MsZ	
				ipP	01	57.19	64kmX
				eSKS	12	26.19	
				iS	12	32.19	
				ePS	13	22.19	
				eSS	18	09.19	
				eLQ	24	21.19	
				eLR	27	24.19	
BKS	87.33	42	eP	01	40.09	1.0	
	1.1s					6.2mb	
	Z	17s		25.00um		6.7MsZ	
				eSKS	12	07.09	
				iS	12	23.09	
				ePS	13	21.09	
				eLQ	24	17.09	
				eLR	28	25.09	
ARN	87.37	43	eP	01	39.61	0.3	
NTYM	87.45	41	(P)	01	39.31	-0.3	
PLM	87.52	48	eP	01	40.54	0.2	
SSK	87.56	47	eP	01	39.13	-1.4	
PEC	87.69	47	(P)	01	40.90	0.0	
	1.1s					5.9mb	
ISA	88.04	45	eP	01	42.70	0.1	
	1.0s					6.1mb	
	Z	21s		21.69um		6.5MsZ	
				S	12	34.68	
KMPM	88.08	39	eP	01	42.82	0.1	
WHN	88.11	308	eP	01	44.50	1.6	
	1.5s					5.8mb	
	Z	30s		8.55um		6.0MsZ	
	N	18s		2.78um			
	E	18s		3.21um			
				sP	01	56.00	
SDN	88.14	11	P	01	50.00	7.5X	
	Z	19s		2.33um		5.6MsZ	
FHC	88.43	39	eP	01	50.30	6.0X	
	1.1s					5.9mb	
ARC	88.43	39	ePc	01	49.89	5.7X	
				iSKS	12	19.89	
				iS	12	32.89	
				ePS	13	24.89	
				i	14	25.89	
				eSS	19	01.89	
				eLQ	24	59.89	
				eLR	28	39.89	
CMB	88.50	43	iPc	01	44.12	-0.6	
	1.1s					5.9mb	
	Z	21s		20.00um		6.5MsZ	
				ipPd	02	02.68	66kmX
				eSKS	12	18.68	
				iS	12	32.68	
				i	14	18.68	
				eSS	18	13.68	
				eLQ	24	51.68	
				eLR	28	58.68	
GLA	88.64	49	eP	01	45.90	0.4	
				e	01	51.59	
GSC	88.83	47	eP	01	46.17	-0.3	
				e	01	52.00	
NNT	88.87	285	eP	01	53.20	6.3X	
ORV	88.91	41	ePc	01	43.58	-3.0X	
				ipPd	01	55.58	39kmX
				eSKS	12	13.58	
				iS	12	22.58	
				eLQ	24	00.58	
				eLR	27	38.58	
MDJ	88.95	326	eP	01			

	N	18s	5.29um			
WDC	89.05	40 eP	01 46.64	-0.6		
	2.7s	405.97nm		6.2mb		
	Z	20s	17.18um	6.5MsZ		
MEMM	89.10	44 (P)	01 49.54	2.1		
LGPM	89.13	39 eP	01 47.68	-0.1		
MRCM	89.36	44 eP	01 49.12	0.1		
MIN	89.40	40 eP	01 50.71	1.6		
	1.5s	70.00nm		5.7mb		
	Z	20s	16.00um	6.4MsZ		
		eSKS	12 21.71			
		eS	12 41.71			
		i	14 30.71			
		eSS	18 40.71			
		iLQ	25 17.71			
		eLR	29 05.71			
CRZF	89.54	213 eP	01 54.00	4.3X		
		ePP	03 26.00			
		eS	12 45.00			
		eSS	17 51.00			
BONR	89.67	44 eP	01 49.79	-0.8		
YBH	89.76	39 eP	01 49.71	-1.0		
	1.3s	60.00nm		5.7mb		
	Z	21s	11.00um	6.3MsZ		
		eSKS	12 19.52			
		iS	12 47.52			
		iPS	13 52.52			
		eSS	18 38.52			
		ePKKS	22 22.52			
		iLQ	25 21.52			
		eLR	29 35.52			
LOE	89.85	290 eP	01 53.00	1.5		
TIA	89.91	314 eP	01 51.10	-0.3		
	Z	24s	14.60um	6.3MsZx		
	N	20s	4.69um			
	E	20s	5.51um			
LBFM	89.94	39 eP	01 51.20	-0.5		
SNY	89.97	321 eP	01 51.00	-0.4		
	Z	22s	13.80um	6.3MsZ		
	N	20s	5.82um			
		pP	01 57.40	20kmX		
		SS	18 42.00			
NST	90.20	288 eP	01 57.00	3.9X		
CN2	90.39	324 eP	01 52.40	-1.0		
	1.0s	28.00nm		5.5mb		
	Z	20s	7.11um	6.1MsZ		
	N	22s	8.95um			
	E	22s	6.80um			
		ePP	02 02.00	30kmX		
TNP	90.39	44 eP	01 53.19	-0.7		
	1.0s	76.73nm		5.9mb		
MRX	90.64	67 (P)	02 02.50	7.5X		
TUC	90.84	52 eP	01 57.00	1.1		
	2.1s	469.21nm		6.4mb		
	Z	18s	17.73um	6.5MsZ		
GYA	91.10	301 P	01 57.80	0.6		
	Z	40s	12.00um	6.0MsZx		
	N	20s	9.12um			
	E	20s	6.75um			
		PP	05 38.00			
KMOR	92.11	36 P	02 04.51	3.1X		
PPM	92.33	69 (P)	02 06.50	3.0X		
ARUT	92.50	46 (P)	02 03.73	0.2		
VIPM	92.79	38 P	02 04.03	-0.6		
OXK	92.81	72 (P)	02 09.50	4.2X		
BMW	92.83	35 eP	02 03.33	-1.3		
CHTO	92.84	290 eP	02 09.50	4.3X		
CROR	92.92	37 P	02 04.65	-0.5		
BJI	92.94	316 eP	02 06.00	0.8		
	1.6s	34.00nm		5.5mb		
	Z	28s	19.10um	6.4MsZx		
	N	20s	5.10um			
		ePP	05 52.00			
		eSKS	12 40.00			
		eS	13 12.00			
CYA	93.09	126 ePd	02 05.50	-1.0		
SHW	93.12	36 (P)	02 07.13	1.0		
KMI	93.28	297 Pc	02 11.50	4.1X		
	1.6s	140.00nm		6.1mb		
	Z	38s	37.80um	6.6MsZx		
	N	20s	5.80um			

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VGB	93.40	37	eP	02 09.94	2.7X	FBA	99.34	13 (P)	02 33.74	-0.1		i	08 20.00	
ASR	93.42	36	P	02 09.60	2.2X		1.6s	17.91nm		5.4mb		e	10 29.00	
LON	93.72	36	eP	02 08.24	-0.5	CCH	99.63	117 P	02 39.40	2.7		e	13 17.00	
MSU	93.73	46	eP	02 08.51	-0.7	WMOK	100.49	56 Pd	02 50.00	10.1X	KBS	132.37	357 ePKP	08 26.00 20.2X
			e	02 15.23		Z 18s	19.00um		6.6Msz		NAI	132.55	233 ePKP	08 13.00 4.7X
TIY	93.78	312	eP	02 10.70	1.5	MEO	100.65	56 iPd	02 42.50	1.9	Z 20s	3.79um		6.1Msz
N 20s	7.59um					YAK	101.90	338 ePd	02 45.60	0.2		eSKS	11 46.00	
GMW	93.80	35 (P)		02 09.16	0.1		1.2s	45.00nm		6.0mb		i	28 28.00	
STW	93.80	34	P	02 14.66	5.7X	Z 18s	9.80um		6.4Msz		ASH	132.77	294 ePKP	07 53.50 -14.2X
JBO	93.84	37	P	02 14.57	5.3X	N 18s	5.60um					e	08 08.50	
XAN	93.88	308	P	02 12.60	2.8X	E 18s	5.10um				ARU	133.22	320 ePKP	08 08.00 0.0
	1.4s	42.00nm			5.6mb		e	06 55.00				2.0s	100.00nm	
Z 30s	9.98um				6.1MszX		ePPP	09 09.00			Z 20s	9.00um		6.5Msz
E 22s	11.30um						e	13 15.00			N 20s	3.50um		
	SKS	12 48.00					e	14 18.00			E 20s	7.50um		
FMW	93.92	36	P	02 13.16	3.3X		e	21 34.00				e	08 21.00	
LTX	94.09	58	eP	02 10.30	-0.6	RSSD	101.96	45 ePd	02 45.58	-0.9		e	10 35.00	
RMW	94.22	35 (P)		02 11.00	0.0		1.2s	24.67nm		5.7mb		e	15 13.00	
NNA	94.26	107	eP	02 14.70	2.7X	Z 21s	24.07um		6.7Msz		DAG	133.89	6 ePKP	08 06.00 -2.7X
	1.0s	20.00nm			5.5mb	GTA	102.93	308 ePd	02 55.00	4.2X	Z 21s	11.90um		6.6Msz
DUG	94.38	45	eP	02 10.69	-1.3	Z 18s	5.48um		6.1Msz		N 21s	6.31um		
	2.4s	80.75nm			5.7mb	N 17s	2.86um				SHI	135.59	282 ePKP	08 21.00 7.4X
Z 21s	16.48um				6.5Msz		pP	03 03.50			KER	141.13	287 e(PKP)	08 21.00 -2.6X
EBG	94.45	36	P	02 12.09	0.0	MIAR	104.11	58 Pd	03 10.00	14.0X	MAK	141.49	301 ePKP	08 28.00 4.3X
JCW	94.66	34	P	02 18.57	5.6X	Z 18s	8.45um		6.3Msz			e	11 30.00	
LNOR	94.93	38	P	02 19.57	5.3X	INK	105.30	16 ePKP	07 22.00	7.7X		e	15 20.00	
SRU	95.12	47	eP	02 14.57	-1.0		1.1s	4.00nm			TAB	142.20	293 ePKP	08 23.00 -2.4X
		e		02 20.79		BOG	105.50	94 ePKP	07 28.00	11.2X	GRO	142.75	301 iPKPc	08 24.00 -1.9
WTV	95.29	36	P	02 20.74	4.8X	ZAK	106.30	319 ePd	03 12.00	6.7X		2.0s	240.00nm	
ALQ	95.31	52	eP	02 15.62	-0.9	FVM	107.96	56 PKP	07 30.00	9.7X	Z 20s	4.00um		6.2Msz
	2.4s	120.01nm			5.9mb	Z 18s	33.42um		6.9Msz		N 20s	6.00um		
Z 18s	14.74um				6.5Msz	SLM	108.38	56 PKP	07 30.00	8.9X	E 24s	12.00um		
HVU	95.38	44	eP	02 14.94	-1.7	Z 18s	8.33um		6.3Msz			i	08 38.00	
DAU	95.45	45	eP	02 20.03	2.8X	HYB	108.95	279 ePKP	07 38.00	15.2X	MTA	143.47	299 iPKP	08 22.20 -5.0X
SAW	95.57	36	P	02 21.24	4.0X	MYNC	111.31	61 ePKP	07 25.01	-1.8	ERE	143.71	296 ePKP-	08 24.00 -3.8X
PV10	95.61	48	eP	02 17.42	-0.5	Z 18s	11.55um		6.5Msz		AKU	144.07	13 iPKP	08 27.90 0.5
PV09	95.62	48	eP	02 17.19	-0.8	MBC	113.89	13 ePd	03 34.90	-3.6X		1.6s	80.00nm	
SIT	95.89	22	P	02 30.00	11.7X		PP	08 54.20			Z 19s	11.11um		6.7Msz
Z 21s	13.42um				6.4Msz		PPP	10 49.90			MOS	144.63	324 ePKP	08 26.00 -2.7X
PV08	95.98	48	eP	02 17.96	-1.7		SP	17 52.90			Z 25s	13.50um		6.6MszX
PMR	96.10	14	P	02 30.00	10.8X		SPP	19 20.30				e	11 48.00	
Z 21s	10.50um				6.3Msz		SKKP3	21 20.80				e	15 26.00	
HHC	96.21	315	P	02 22.00	1.6		PKKS	22 37.10				e	24 27.00	
Z 22s	18.70um				6.5Msz		SS	24 24.10			KAF	145.28	339 ePKP	08 26.50 -3.1X
N 17s	2.90um						SSS	28 38.10			OBN	145.44	323 iPKPd-	08 28.70 -1.4
E 19s	6.33um					CEH	115.41	62 PKP	07 40.00	5.4X		1.8s	768.00nm	
	sP	02 26.50				Z 18s	7.80um		6.4Msz		Z 23s	4.90um		6.2MszX
	SKS	12 58.50				MCWV	116.20	58 PKP	07 50.00	14.0X	N 22s	6.60um		
PTI	96.29	43	P	02 23.60	2.8X	Z 18s	17.14um		6.7Msz		E 24s	2.00um		
DPW	96.29	36 (P)		02 21.31	0.8	SSPA	117.94	58 PKP	07 50.00	10.8X		i	08 36.00	
HHAI	96.54	43	eP	02 21.48	-0.4	Z 20s	0.08um		4.3MszX			i	08 43.00	
BTO	97.01	314	eP	02 28.00	4.0X	YSNY	118.07	55 PKP	07 50.00	10.5X		e	08 50.00	
N 22s	6.88um					Z 18s	16.07um		6.7Msz			e	09 09.00	
E 24s	7.96um					SJG	118.82	86 ePKP	07 41.58	0.0		e	10 18.00	
	sP	02 39.00					e	07 45.75				e	10 50.00	
NEW	97.10	37 (P)		02 23.32	-0.8	KSH	119.77	300 PKP	07 48.60	5.6X		ePP	12 11.00	
	1.1s	7.44nm			5.2mb	Z 24s	6.89um		6.2MszX			e	12 50.00	
Z 21s	56.62um				7.0Msz	N 18s	5.19um					e	15 06.00	
BW06	97.89	44	eP	02 25.43	-2.6	E 18s	4.86um					eSKS	15 32.00	
	1.5s	14.32nm			5.4mb		ePP	09 08.00				e	17 28.00	
LRM	98.04	41	eP	02 34.30	5.6X		PP	09 16.00				e	19 10.00	
LZH	98.47	307	eP	02 33.00	2.3		PKS	11 24.00				e	24 16.00	
	2.0s	51.00nm			5.8mb		SKS	14 56.00				i	30 40.00	
Z 30s	13.10um				6.2MszX		SKKS	15 56.00				eSS	32 02.00	
E 23s	9.97um					BINY	119.79	56 PKP	07 50.00	7.3X		eSSS	35 48.00	
	pP	02 43.50			33kmX	Z 18s	22.96um		6.8Msz			eSSSS	40 10.00	
CNCB	98.56	116	P	02 34.70	2.6	RSNY	121.45	54 ePKP	07 43.92	-1.9	OBN	145.44	323 ePKP	08 35.00 4.9X
LPB	98.64	115	P	02 31.40	-0.9	Z 18s	17.55um		6.7Msz		Z 20s	7831.00um		9.5MszX
Z 24s	27.13um				6.7MszX	LSCT	121.61	58 PKP	08 00.00	13.8X		e	08 41.20	
	SKS	13 12.00				BUL	121.91	211 ePKP	07 43.10	-4.5X		e	08 47.00	
GOL	98.71	49 (P)		02 31.93	0.1	HRV	123.03	57 PKP	08 00.00	11.2X		e	08 52.50	
	1.1s	6.49nm			5.2mb	Z 18s	25.34um		6.9Msz			e()	11 47.40	
Z 20s	24.45um				6.7Msz	LBNH	123.19	55 (PKP)	07 48.94	-0.2		(SPP)	24 16.80	
LPBZ	98.76	115	iP	02 35.10	2.0	Z 18s	16.51um		6.7Msz			(SS)	30 29.70	
	iPP	06 33.10				SOB1	123.24	129 ePKP	07 48.30	-1.8		(SSS)	36 14.70	
	iS	13 12.60					e	07 55.30			PUL	145.58	334 (PKP)	08 29.00 -1.2
	i	15 26.40				MTD	123.40	216 ePKP	07 40.90	-9.5X	Z 20s	6.00um		6.4Msz
	iSS	20 51.20				LSZ	126.35	214 ePKP	07 56.00	-0.3	N 20s	3.60um		
	LR	34 29.20					i	08 02.00			E 20s	4.30um		
	TT	34 42.90				LMN	128.45	54 ePKPc	07 57.50	-1.8		i	08 31.00	
	LR	41 14.10				MAIO	131.55	292 ePKP	08 07.00	1.4		i	08 35.00	
GLD	98.83	49	eP	02 36.71	4.4X	SVE	132.06	320 iPKP	08 03.20	-2.5X		e	08 43.00	
	1.5s	13.91nm			5.4mb		2.0s	100.00nm			NSS	146.32	351 ePKP	08 30.40 -0.9
Z 21s	24.34um				6.7Msz	Z 19s	10.50um		6.6Msz		NUR	147.02	338 ePKP	08 32.70 0.2
COL	99.34	13 (P)		02 33.92	0.1	N 19s	4.10um				SOC	147.06	302 ePKP	08 37.00 3.9X
	1.2s	10.27nm			5.3mb	E 19s	4.10um				ANN	148.54	305 ePKP	08 43.00 7.5X

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MOL	148.73	354	ePKP	08 38.20	3.0X	MOX	159.30	340	ePKP	08 51.00	1.0	SSF	164.43	352	ePKP	08 55.50	0.2	
GAZ	149.39	291	ePKP	08 35.00	-2.0X		2.0s	49.00nm					LBF	164.45	351	ePKP	08 55.30	0.0
UPP	149.56	343	iPKP	08 40.40	3.9X	Z	22s	9.10um		6.6Msz				1.7s	41.15nm			
NB2	149.76	350	PKP	08 37.00	0.1	VKA	159.53	329	ePKP	08 51.00	0.7	BGF	164.99	354	ePKP	08 56.00	0.2	
	1.5s	77.30nm				Z	18s	4.00um		6.3Msz		MFF	165.04	2	ePKP	08 54.60	-1.2	
FOO	149.88	356	ePKP	08 41.84	4.9X	KHC	159.96	334	ePKP	08 49.00	-1.8		1.7s	75.00nm				
NRA0	150.00	349	iPKPc	08 40.50	3.3X		1.5s	17.50nm				FIR	165.23	328	ePKP	08 58.00	2.0X	
NRE0	150.00	349	iPKPd	08 47.90	10.7X		Z	22s	14.30um	6.8Msz		TCF	165.31	355	ePKP	08 57.90	1.8	
			iSKSP	22 39.80			N	22s	6.30um				1.6s	41.05nm				
			iSS	31 26.40			E	22s	3.40um			LSF	165.39	357	ePKP	08 56.10	0.0	
			iSSS	37 09.10				e	08 52.50				1.4s	29.20nm				
JRDJ	150.03	278	PKP	08 44.30	5.9X			i	09 33.00			CAF	166.68	355	ePKP	08 57.70	0.5	
KVT	150.08	298	ePKP	08 43.00	5.0X			e	10 09.00				1.9s	69.45nm				
MASJ	150.16	280	PKP	08 40.90	2.4X	BNS	160.07	348	e(PKP)	08 55.40	4.6X	LPO	166.96	358	ePKP	08 56.50	-0.9	
HFS	150.18	347	ePKP	08 37.80	0.3	Z	22s	26.00um					1.9s	120.80nm				
	1.0s	45.00nm				GEC2	160.15	334	ePKP	08 52.20	1.1	PGF	167.20	331	ePKP	08 59.00	1.2	
BHL	150.49	284	PKP	08 41.00	2.1X		1.5s	3.42nm					1.9s	125.80nm				
MNK	150.51	327	iPKP	08 40.00	1.9			e	08 56.10			EPF	168.62	1	ePKP	08 59.40	0.8	
			eSSS	37 12.00				e	09 02.80				1.7s	80.15nm				
SIM	150.72	307	ePKP	08 47.00	8.2X			e	09 06.20			ECRI	168.78	12	iPKPc	08 57.65	-1.1	
KONO	151.33	350	ePKP	08 39.96	0.7			e	09 16.40			EPLA	170.01	31	iPKPc	08 58.19	-1.4	
KAS	151.74	299	ePKP	08 46.00	5.4X			e	09 21.00			GUD	170.24	22	iPKPc	09 00.35	0.6	
ANTO	152.69	297	ePKP	08 51.97	10.0X			PKPab	09 31.00			ETOR	170.59	12	iPKPd	09 03.59	3.7X	
KIS	153.44	313	iPKP	08 52.00	9.4X	GRF	160.27	339	ePKP	08 53.40	2.3X	EBR	170.83	0	ePKP	09 08.00	8.2X	
			i	09 04.00		Z	20s	7.00um				PAB	171.15	25	ePKP	09 00.33	0.1	
LIC	154.19	167	PKP	08 47.76	3.1X			e	09 11.50			JHA	171.48	87	iPKP	09 04.00	3.6X	
	1.6s	134.50nm				SKO	160.40	308	iPKP	08 51.00	-0.4	EVAL	171.55	43	iPKPc	08 59.99	-0.3	
Z	20s	12.00um			6.7Msz			i	09 34.80			ESEL	171.67	347	iPKPc	08 48.84	-11.4X	
KIC	154.37	168	PKP	08 47.90	3.0X			i	09 51.30			ECHE	171.96	8	iPKPc	09 03.05	2.6X	
	1.5s	119.50nm						i	13 15.00			CIA	172.04	88	iPKP	09 05.00	4.4X	
COP	154.54	344	iPKP	08 53.00	9.2X	KMR	160.62	332	ePKP	08 54.00	2.5X	EHOR	172.19	36	iPKPc	09 03.05	2.5X	
Z	19s	7.64um			6.5Msz			i	09 41.00			EBAN	172.57	28	iPKPc	09 03.23	2.5X	
WAR	154.56	330	e(PKP)	08 45.00	1.0			iPP	13 22.00			EVIA	172.58	19	iPKPd	09 03.59	2.8X	
			e	09 30.00		UCC	160.65	353	PKP+	08 59.00	7.7X	OUK	172.78	91	iPKP	09 04.50	3.6X	
			e	15 07.00		SNF	160.94	353	PKP	08 58.70	7.1X	EPRU	172.84	40	iPKPc	09 09.52	8.6X	
			e	18 35.00				e	09 41.80			EJIF	173.06	45	iPKPd	09 03.77	2.8X	
TIC	154.60	167	PKP	08 48.24	3.0X	OHR	161.19	306	iPKP	08 52.30	0.0	EHUE	173.31	22	iPKPc	09 03.59	2.5X	
	1.6s	91.50nm				DOU	161.31	352	PKP	08 58.50	6.4X	BIT	173.40	51	iPKP	09 08.00	7.0X	
CFR	154.64	310	ePKP	08 48.50	4.2X			e	09 40.80			ECOG	173.42	30	iPKPd	09 03.05	1.8	
LVV	154.75	323	iPKP	08 47.00	2.7X	PTJ	161.42	324	ePKP	08 46.50	-5.9X	EALH	173.58	14	iPKPc	09 05.21	4.1X	
			eSS	32 17.00		ZAG	161.46	324	e(PKP)	08 51.00	-1.3	ENIJ	174.21	23	iPKPd	09 04.22	2.8X	
VRI	155.27	313	ePKPd	08 58.00	12.8X	KBA	161.72	331	iPKPc	08 53.00	0.2	TNF	174.93	78	iPKP	09 03.50	1.9	
ITU	155.31	300	ePKP	08 53.00	7.7X			i	09 45.60			S.D. = 1.2 on 206 of 380 obs.						
MLR	155.93	312	ePKP	08 32.50	-13.8X			iPP	13 31.10			-----						
UZH	156.37	322	iPKP	08 59.00	12.4X	LJU	162.00	327	ePKP	08 48.00	-4.9X	SEP 07, 1993 03h 14m 01.60± 0.93s						
			e	09 09.80				e	08 54.00			38.908 N ± 7.6km 29.888 E ± 9.9km						
			eSS	33 38.00				e	09 12.40			DEPTH = 10.0km (geophysicist)						
			eSSS	38 43.00				e	09 46.80			TURKEY (366)						
MBO	156.51	133	ePKP	08 54.40	6.7X	VBV	162.05	325	ePKP	08 53.00	0.1	ML 3.1 (ISK).						
OJC	156.54	328	ePKP	08 46.00	-0.8	WATA	162.19	335	iPKPc	08 50.30	-3.0X	ALT	0.23	50	iPg	14 06.30	-0.2	
	1.9s	89.00nm						i	09 42.60			KHL	0.65	206	ePg	14 13.00	-1.6	
			i	09 22.40		WTTA	162.23	335	iPKPd	08 50.70	-2.6X			iSg	14 22.00			
			i	09 26.60				i	08 57.80			DST	1.20	306	iPn	14 22.80	-1.2	
			i	09 32.80				i	09 43.00			GPA	1.42	13	iPn	14 27.40	0.0	
CMP	156.60	313	ePKPc	08 54.00	6.9X			i	13 40.10			EYL	1.67	7	ePn	14 31.40	0.3	
SPC	157.05	325	ePKP	08 39.50	-8.2X	CEY	162.28	327	ePKP	08 48.30	-4.9X	KCT	1.79	319	iPn	14 32.90	0.2	
BRNL	157.22	339	ePKP	08 36.00	-11.5X	VOY	162.30	328	ePKP	08 54.20	0.9	HRT	1.92	355	ePn	14 35.00	0.4	
CLL	158.30	339	ePKP	08 49.00	0.2			e	09 47.00			CIN	1.93	228	eP	14 37.00	2.3	
	1.7s	24.00nm				MOTA	162.35	336	(PKP)	08 53.80	0.4	CTT	2.50	334	ePn	14 43.00	0.0	
BRG	158.37	337	ePKP	08 47.80	-1.1			i	09 10.50			S.D. = 1.3 on 9 of 9 obs.						
	1.8s	260.00nm						i	09 43.50			-----						
			i	09 22.80		SQTA	162.42	335	(PKP)	08 50.60	-2.9X	% SEP 07, 1993 03h 14m 45.79± 0.94s						
			i	09 29.50				i	09 43.80			38.851 N ± 7.6km 29.885 E ± 9.3km						
VRAC	158.62	330	ePKP	08 51.10	1.9	CDF	162.48	345	ePKP	08 56.30	2.9X	DEPTH = 10.0km (geophysicist)						
	2.7s	162.20nm					1.9s	59.40nm				TURKEY (366)						
PRU	158.89	334	ePKP	08 51.00	1.5	TRI	162.61	328	e(PKP)	09 00.00	6.5X	ML 3.3 (ISK).						
	1.7s	154.00nm						e(PKKP)	10 04.00			ALT	0.27	41	iPg	14 51.00	-0.5	
Z	20s	9.40um			6.6Msz			e(SKPP)	12 52.00			KHL	0.60	208	ePg	14 58.00	0.0	
N	19s	5.20um						e	15 08.00			DST	1.23	308	iPn	15 08.00	-0.8	
E	16s	0.90um						e	20 52.00			GPA	1.47	13	iPn	15 12.00	-0.4	
			i	08 55.90				e(SKSP)	23 40.00			EYL	1.73	7	ePn	15 17.00	0.9	
			e	09 25.00		LDF	163.05	2	ePKP	08 56.00	2.1X	KCT	1.83	320	iPn	15 17.90	0.4	
			e	09 31.90			1.5s	68.40nm				HRT	1.98	355	ePn	15 20.00	0.3	
			e	13 46.00				e	17 08.00			S.D. = 0.7 on 7 of 7 obs.						
			i	16 02.00		HAU	163.06	347	ePKP	08 55.50	1.6	-----						
			e	16 57.00			1.6s	39.80nm				% SEP 07, 1993 04h 22m 18.29± 4.38s						
			e	39 34.00			Z	23s	13.52um			15.246 N ± 7.6km 60.357 W ± 49.0km						
WTS	159.14	349	e(PKP)	08 46.00	-3.7X	BSF	163.14	345	ePKP	08 57.30	3.2X	DEPTH = 31.1 ± 9.2 km						
	1.0s	24.40nm					1.8s	66.45nm				TURKEY (366)						
			e	09 33.50		LPF	163.58	4	ePKP	08 56.40	2.0	ML 2.8 (FDF).						
ZST	159.23	328	ePKP	08 47.70	-2.3X		2.0s	162.10nm				CRM	0.73	228	eP	22 32.33	0.0	
DBN	159.27	352	ePKP	08 54.00	4.2X	LOR	164.18	352	ePKP	08 55.10	0.0							

07d 04h

MVM	0.86	217	S	22	42.30		WTTA	113.67	319	iPKPd	03	08.00	-0.8	CNPM	1.21	161	iPd	17	56.32	-0.9
			eP	22	33.80	-0.4		0.4s	9.10nm					XLV	1.22	174	eP	17	56.33	-1.1
FDF	0.92	236	S	22	45.90		WATA	113.69	319	iPKPd	03	07.90	-0.9	MPA	1.31	97	iPc	17	57.21	-1.2
			eP	22	35.05	0.0	MOTA	113.99	319	iPKPd	03	08.50	-0.9	PMS	1.32	63	P	17	57.70	-0.9
BIM	1.00	224	S	22	47.90		BSF	116.62	320	ePKP	03	13.00	-1.3	SKT	1.34	9	eP	17	57.76	-1.0
			S	22	36.04	-0.2		0.6s	3.25nm						eS			18	17.05	
DEG	1.26	328	iPd	22	50.50		LPG	117.42	318	ePKP	03	15.40	-0.7	SEW	1.38	113	eP	17	57.61	-1.7
			S	22	39.49	-0.4		0.6s	3.25nm					PDB	1.41	232	iPd	17	58.64	-1.0
SFG	1.29	321	iP	22	57.07		LPL	117.42	318	ePKP	03	15.30	-0.8		eS			18	17.93	
PAG	1.49	302	eP	22	40.51	0.3		0.4s	3.30nm					PWA	1.42	45	P	17	58.70	-1.1
			S	22	42.80	-0.5	LOR	118.68	320	ePKP	03	17.20	-0.9	PTE	1.47	81	iPc	17	58.72	-1.6
			S	23	02.50			0.5s	1.70nm					AUL	1.48	210	eP	18	00.08	-0.5
S.D. = 0.4 on 7 of 7 obs.							LBF	118.71	320	ePKP	03	17.30	-0.9	AUE	1.49	208	eP	17	59.94	-0.6
SEP 07, 1993 04h 44m 42.23± 1.28s								0.4s	1.45nm				AUP	1.49	209	eP	18	00.32	-0.5	
7.363 S ± 6.4km 128.779 E ± 9.0km							SSF	118.98	320	ePKP	03	18.00	-0.7	AGU	1.50	210	eP	18	00.37	-0.5
DEPTH = 117.2 ± 11.8 km								0.5s	4.10nm				AUH	1.50	210	eP	18	00.36	-0.5	
5.1mb (16 obs.)							AVF	119.18	320	ePKP	03	17.90	-1.1	AUW	1.50	210	eP	18	00.23	-0.5
BANDA SEA (280)								0.3s	0.95nm				AUI	1.52	209	eP	18	00.32	-0.7	
MTN	5.92	157	eP	46	10.10	1.2	BGF	119.59	320	ePKP	03	19.40	-0.5	PLRM	1.67	55	eP	18	01.13	-1.8
KNA	8.34	180	eP	46	41.00	-0.8		0.4s	3.80nm						eS			18	22.77	
			eS	48	06.00		KIC	133.86	272	PKP	03	48.80	0.7	PMR	1.67	55	eP	18	00.77	-2.1
WB2	13.62	157	iPc	47	49.00	-2.8	LIC	134.13	272	PKP	03	48.90	0.3	PWL	1.80	82	eP	18	02.50	-2.2
	0.5s	81.30nm			5.4mb		TIC	134.15	272	PKP	03	49.00	0.3	SVW	1.83	286	eP	18	03.10	-2.0
		eS	50	08.80			NNA	148.08	127	ePKP	04	17.50	4.2X	GHO	1.85	52	eP	18	03.83	-1.6
MBL	16.21	211	iPc	48	25.20	0.6		0.8s	11.19nm						eS			18	26.35	
	0.4s	64.00nm			5.2mb		RSTA	148.11	184	ePKP	04	16.80	3.8X	CUT	1.93	25	iPd	18	05.06	-1.2
		iS	51	19.60			VAO	149.54	188	ePKP	04	20.70	5.3X		eS			18	29.27	
QIS	16.79	142	iPd	48	31.80	0.1	PPD	150.79	180	ePKP	04	23.00	5.8X	CDD	1.93	206	eP	18	05.52	-0.9
		eS	51	26.60			CNCB	150.81	145	PKP	04	20.00	1.9	SYI	2.07	186	ePd	18	07.18	-1.1
ASPA	16.94	164	eP	48	31.90	-1.7			i	04	25.70		SML	2.11	55	eP	18	06.87	-1.8	
		eS	51	25.50			LPB	150.97	145	PKP	04	20.00	1.9	CFI	2.13	74	eP	18	06.37	-2.5
CTA	21.14	128	eP	49	21.00	1.6			i	04	26.00		LTI	2.15	105	iPc	18	06.58	-2.7	
		eP	49	26.00	18kmX		LPZ	151.15	145	PKP	04	19.80	1.1	SCM	2.54	61	eP	18	12.61	-1.9
		e	49	44.00			CCH	151.33	149	PKP	04	25.50	7.0X	HUR	2.57	25	P	18	14.10	-0.9
		eS	52	50.50			SIV	154.83	157	PKP	04	23.60	0.6	VZW	2.69	79	eP	18	13.63	-2.9
		e(S)	53	07.00				S.D. = 1.0 on 51 of 56 obs.					FID	2.71	86	eP	18	12.84	-4.0	
MEEK	21.47	206	eP	49	23.50	0.8	& SEP 07, 1993 05h 17m 34.30s							VLZ	2.80	78	eP	18	15.41	-2.6
	0.3s	25.00nm			5.1mb		60.668 N 151.988 W								eS			18	47.66	
		e	49	36.00			DEPTH = 97.1km							TRF	2.91	15	eP	18	18.48	-1.2
FORT	23.31	182	eP	49	41.70	1.2	KENAI PENINSULA, ALASKA (14)							KTH	2.94	9	eP	18	18.42	-1.6
MRWA	24.85	207	eP	49	55.00	-0.3	<AEIC>.							KDC	2.94	185	eP	18	17.09	-2.8
		e	50	20.00			RDT	0.23	246	eP	17	48.04	1.1	KLU	3.06	72	iPc	18	19.03	-2.7
		eS	54	35.00				eS	17	58.79			CVA	3.08	90	eP	18	19.08	-2.7	
BAL	25.74	205	eP	50	04.00	0.4	DFR	0.35	258	iPd	17	48.33	-0.8	MID	3.09	111	P	18	20.80	-1.2
		e	50	35.00				eS	17	59.72			RND	3.12	27	eP	18	21.42	-1.1	
KLB	26.21	202	eP	50	08.10	0.3	NKA	0.38	78	iPc	17	50.42	1.3	TOA	3.15	60	P	18	21.20	-1.6
		e	50	40.50			REF	0.40	243	eP	17	48.89	-0.6		S			18	59.80	
MUN	27.15	204	eP	50	16.50	0.1	BKG	0.43	342	ePd	17	48.78	-0.8	DHY	3.26	40	eP	18	22.84	-1.6
		e	50	52.00				eS	18	00.23			SGAM	3.35	90	eP	18	23.40	-2.2	
STK	27.16	156	iPc	50	16.30	-0.2	RSO	0.43	242	iPd	17	49.13	-0.6	MCK	3.39	24	eP	18	25.36	-0.8
	0.4s	4.30nm			4.4mb		RS2	0.43	242	iPd	17	49.13	-0.7	SDG	3.60	56	eP	18	27.98	-1.0
		e	50	40.30				eS	18	01.04			RAGM	3.63	91	eP	18	25.56	-3.8	
NWAO	27.60	201	eP	50	20.50	0.0	RDW	0.45	246	eP	17	49.22	-0.6	HMT	3.84	92	eP	18	30.76	-1.5
BRS	30.24	134	iPc	50	44.00	-0.1		eS	18	00.82			PAX	3.86	50	iPc	18	31.14	-1.5	
	0.5s	5.00nm			4.5mb		RED	0.46	238	iPd	17	49.08	-0.8	GLB	4.05	75	eP	18	32.31	-2.9
TOO	33.68	156	iPd	51	15.80	1.8		eS	18	00.65			NEA	4.15	18	eP	18	34.21	-2.3	
	0.6s	11.00nm			4.8mb		NCT	0.48	257	iPd	17	49.17	-0.8	HDA	4.42	30	ePd	18	38.19	-2.0
BDT	38.26	310	eP	51	53.20	0.4		eS	18	00.75			MLY	4.42	7	eP	18	39.01	-1.3	
CHTO	39.27	312	eP	52	02.40	1.2	SPU	0.52	356	eP	17	49.61	-0.6	CCB	4.43	24	eP	18	37.60	-2.8
GYA	39.89	328	P	52	07.00	0.7		eS	18	01.76			TGL	4.50	85	eP	18	38.73	-2.8	
	0.8s	27.00nm			5.1mb		CKT	0.55	349	iPd	17	49.61	-0.8	WAX	4.52	89	eP	18	37.55	-4.1
WHN	40.15	341	eP	52	09.00	0.7		eS	18	01.91			FBA	4.66	23	eP	18	41.43	-2.2	
KMI	41.05	323	Pc	52	18.00	1.9	CKL	0.56	342	eP	17	49.89	-0.7	BALM	4.73	81	eP	18	41.60	-3.1
	1.2s	70.00nm			5.3mb		CKN	0.57	350	eP	17	49.98	-0.6	CYK	4.75	93	eP	18	42.91	-1.9
CD2	44.97	329	P	52	47.80	0.3	CRP	0.61	352	iPd	17	49.73	-1.3	GLM	4.82	24	eP	18	43.63	-2.2
	0.8s	46.00nm			5.3mb		CP2	0.61	348	eP	17	48.23	-2.9	YAH	5.07	89	P	18	41.00	-8.5
XAN	45.27	337	P	52	49.00	-0.9	BGL	0.63	342	iPd	17	50.45	-0.7	CTGM	5.22	82	eP	18	49.56	-2.0
	0.7s	16.00nm			4.9mb		NCG	0.74	354	eP	17	51.51	-0.7	PRP	5.68	28	eP	18	55.69	-2.2
LZH	49.17	333	Pc	53	20.50	0.1	ILIM	0.76	220	iPd	17	51.38	-1.0	FYU	6.64	24	eP	19	08.07	-2.8
	1.4s	67.00nm			5.3mb			eS	18	05.00			89 obs. associated							
GTA	53.72	332	iPc	53	54.50	0.1	INE	0.81	222	iPd	17	51.89	-1.1	SEP 07, 1993 06h 10m 32.15± 0.77s						
	1.0s	20.00nm			5.0mb			eS	18	05.66			13.298 N ± 5.0km 145.497 E ± 5.5km							
GUN	54.29	312	P	53	59.00	-0.1	INW	0.83	224	iPd	17	52.16	-0.9	DEPTH = 62.0 ± 6.6 km						
</																				

07d 06h

TSRJ	23.75	340	eP	15	39.90	0.3	ISA	87.17	54	eP	23	12.65	-0.5	AUP	1.03	222	eP	03	01.17	-0.7	
MAT	24.05	345	eP	15	42.00	-0.6		1.0s	6.12nm				4.7mb	AGU	1.03	223	eP	03	01.35	-0.6	
	1.2s	71.88nm			5.0mb		SDF	88.40	340	eP	23	18.00	-0.3	AUH	1.03	223	eP	03	01.36	-0.6	
	(S)			20	02.00		GSC	88.58	54	eP	23	20.15	0.2	AUW	1.04	224	ePc	03	01.20	-0.7	
MTMJ	24.19	345	eP	15	43.50	-0.6	PEC	88.66	56	eP	23	20.38	0.1	AUI	1.05	222	eP	03	01.51	-0.6	
YONJ	24.36	336	P	15	47.50	2.0		1.0s	14.69nm				5.2mb			eS		03	16.34		
NIJ	24.54	347	P	15	46.00	-1.3	LRM	88.78	43	eP	23	20.60	-0.3	SPU	1.06	0	ePd	03	01.53	-0.8	
VLA	31.95	341	iPc	16	52.00	-2.2	HHAI	89.61	46	eP	23	25.68	1.0				eS		03	16.96	
	1.5s	97.00nm			5.4mb		OBN	89.67	327	eP	23	24.00	-0.5	CKT	1.08	356	iPd	03	01.92	-0.7	
	i			17	05.00		HVU	89.79	47	eP	23	26.52	0.9	CKL	1.09	353	ePd	03	02.04	-0.7	
CTA	33.18	179	iP	17	05.50	0.4	DUG	90.24	49	eP	23	27.77	0.1	CKN	1.11	357	eP	03	02.49	-0.4	
WB2	34.81	199	eP	17	14.30	-4.8X		1.0s	7.13nm				4.9mb	PDB	1.12	253	ePc	03	01.89	-1.2	
	0.7s	12.40nm			4.9mb		ARUT	90.49	51	eP	23	29.87	0.9				eS		03	15.81	
BJI	37.05	321	eP	17	38.50	0.7	GLA	90.77	56	eP	23	30.61	0.5	CP2	1.15	356	iPd	03	03.08	-0.6	
Z	24s	0.64um			4.3MsZ		MSU	91.22	50	eP	23	33.09	0.7	CRP	1.15	358	iPd	03	02.40	-1.2	
TIY	38.16	316	eP	17	48.00	0.7	KAF	91.23	336	eP	23	31.40	-0.2	BGL	1.16	352	iPd	03	02.98	-0.7	
N	15s	0.81um					SRU	92.26	49	eP	23	37.20	0.1	CGLM	1.19	1	eP	03	03.44	-0.7	
ASPA	38.45	197	eP	17	47.30	-2.5	RSSD	94.97	43	eP	23	50.41	0.9	NCG	1.29	358	ePd	03	04.78	-0.7	
	0.6s	11.30nm			5.0mb			0.8s	2.37nm				4.7mb				eS		03	22.83	
XAN	39.05	308	eP	17	58.50	3.7X	KIC	144.57	302	PKP	30	03.22	-1.0	SEW	1.31	90	eP	03	03.90	-1.7	
HHC	40.39	319	P	18	07.40	1.6		1.1s	32.00nm					MPA	1.40	74	iPc	03	05.25	-1.6	
	1.2s	36.00nm			5.1mb		TIC	144.64	302	PKP	30	03.40	-1.0	CDD	1.44	215	eP	03	06.64	-0.9	
DZM	40.71	149	iPc	18	19.20	10.6X		1.1s	51.00nm								eS		03	25.44	
BRS	41.06	170	eP	18	12.00	0.7	LIC	144.88	302	PKP	30	04.24	-0.5	SUA	1.49	25	iPd	03	07.59	-0.7	
BTO	41.25	318	eP	18	13.00	0.1		0.7s	22.50nm					SYI	1.53	186	iPd	03	07.64	-1.0	
N	15s	0.31um					KDS	146.10	318	ePKP	30	09.50	2.7X				eS		03	29.20	
E	14s	0.28um					LPZ	147.37	99	PKP	30	10.80	1.2	PMS	1.67	47	P	03	09.80	-0.9	
	epP			18	29.00	63kmX	LPB	147.40	100	PKP	30	11.90	2.5X	PTE	1.68	62	iPc	03	09.19	-1.5	
LZH	43.68	309	eP	18	34.00	1.2	CNCB	147.51	100	PKP	30	10.00	0.3	PWA	1.87	34	P	03	13.10	-0.3	
	1.6s	41.00nm			5.0mb		CCH	149.25	102	(PKP)	30	15.00	2.8X	SKT	1.88	8	ePd	03	12.40	-1.2	
Z	17s	0.49um			4.5MsZ			S.D. = 0.9	on 76 of 83 obs.				PWL	1.99	67	eP	03	12.84	-2.3		
ARMA	43.86	172	eP	18	33.60	-0.6		SEP 07, 1993	07h 19m 45.76± 5.96s				SVW	2.01	301	eP	03	12.90	-2.5		
NST	43.92	279	eP	18	34.50	-0.3		34.232 S ±25.4km	72.256 W ±39.9km							eS		03	36.18		
STK	45.08	185	eP	18	46.10	2.3		DEPTH = 10.0km	(geophysicist)				PLRM	2.06	43	ePc	03	14.32	-1.7		
	3.1s	2.50nm			3.5mb X			NEAR COAST OF CENTRAL CHILE	(135)				FMR	2.06	43	ePc	03	13.92	-2.1		
CIT	46.32	333	eP	18	55.00	1.5		MD 3.6 (SAN).					LTI	2.11	90	eP	03	13.87	-2.9		
GTA	47.82	312	P	19	05.70	0.0							MTU	2.22	92	eP	03	15.82	-2.5		
	1.8s	25.00nm			4.9mb								GHO	2.26	41	eP	03	17.18	-1.7		
	PcP			20	36.00								CFI	2.37	61	eP	03	17.60	-2.8		
	eS			26	01.50								KDC	2.39	185	iPd	03	17.60	-3.1		
ZAK	50.42	326	eP	19	25.30	0.1	LNV	0.75	69	iP	20	01.06	0.6	CUT	2.45	20	eP	03	20.74	-0.8	
	1.4s	16.00nm			4.9mb		LCCH	0.95	37	iP	20	04.02	0.2	SML	2.49	46	eP	03	20.13	-2.0	
	e			20	45.00								HIN	2.79	82	eP	03	22.61	-3.8		
GUN	57.17	295	P	20	15.40	-0.3	TACH	1.24	63	iP	20	08.01	-0.8	FID	2.84	75	eP	03	22.77	-4.4	
KKN	57.70	295	P	20	18.20	-1.0							SCM	2.88	51	eP	03	25.83	-1.9		
WMQ	57.78	314	P	20	20.00	0.6	CACH	1.38	86	iP	20	11.13	0.0	VZW	2.88	69	eP	03	24.25	-3.4	
	1.6s	56.00nm			5.4mb								VLZ	3.00	68	eP	03	26.23	-3.1		
DMN	57.85	294	P	20	19.80	-0.5	PCH	1.57	68	iP	20	13.61	-0.2				eS		04	00.95	
HYB	64.41	283	eP	21	04.00	-0.5							HUR	3.09	21	eP	03	30.35	-0.3		
GBA	65.98	279	P	21	14.00	-0.6	ROCH	1.63	40	iP	20	14.24	-0.6	CVA	3.17	80	eP	03	27.41	-4.3	
PMR	66.75	28	(P)	21	17.51	-1.2	PEL	1.70	51	iP	20	16.48	0.8	KLU	3.31	63	iPc	03	30.66	-3.2	
	0.9s	7.31nm			4.7mb			S.D. = 0.7	on 7 of 7 obs.				SGAM	3.43	81	P	03	31.20	-4.3		
FBA	68.23	25	eP	21	26.76	-1.3							TRF	3.45	13	eP	03	35.04	-0.8		
	1.0s	4.71nm			4.4mb								TOA	3.48	53	P	03	34.00	-2.2		
BALM	69.83	30	(P)	21	37.80	-0.2							KTH	3.49	8	eP	03	35.00	-1.3		
INK	74.40	22	eP	22	04.50	-0.3							RAGM	3.69	83	P	03	38.00	-1.2		
	2.0s	5.00nm			4.4mb								DHY	3.72	35	eP	03	38.18	-1.4		
SVE	76.18	326	iPd	22	15.80	0.6							KAIM	3.85	90	eP	03	38.53	-2.7		
	1.8s	45.00nm			5.1mb								HMT	3.90	83	eP	03	40.81	-1.2		
	e			22	31.00								MCK	3.91	21	eP	03	41.98	-0.2		
ARU	77.33	325	eP	22	21.00	-0.6	ILIM	0.45	265	iPd	02	54.35	-0.5	SDG	3.96	50	eP	03	40.54	-2.4	
MAIO	79.07	305	iPd	22	32.80	1.1	RED	0.46	311	iPd	02	54.52	-0.5	PAX	4.26	45	eP	03	44.65	-2.5	
GMW	81.47	43	eP	22	44.27	0.2							GLB	4.26	68	iPc	03	43.05	-4.1		
RMW	82.14	43	eP	22	48.11	0.4	RDT	0.48	340	eP	02	54.59	-0.6	CRQM	4.47	78	P	03	52.20	2.0	
LON	82.27	44	eP	22	48.19	-0.2							WAX	4.60	82	eP	03	48.55	-3.3		
YBH	82.60	49	iPd	22	50.01	-0.2	REF	0.48	320	eP	02	54.95	-0.4	SNH	4.61	85	P	03	53.00	1.0	
	1.0s	10.00nm			4.8mb		INE	0.50	263	iPd	02	54.83	-0.7	TGL	4.62	78	eP	03	49.31	-2.9	
LGP	82.67	50	eP	22	50.95	0.3							NEA	4.68	16	eP	03	51.49	-1.5		
YKA	82.84	27	eP	22	50.10	-0.7	HOM	0.51	155	iPc	02	55.33	-0.1	BALM	4.88	75	eP	03	51.54	-2.4	
	0.8s	3.30nm			4.4mb		RDW	0.52	315	iPd	02	55.21	-0.5	HDA	4.92	27	eP	03	53.97	-4.4	
WDC	82.95	50	eP	22	51.67	-0.2	INW	0.54	265	iPd	02	55.20	-0.6	CCB	4.95	22	eP	03	54.21	-2.6	
	1.3s	19.40nm			4.9mb		DFR	0.56	327	iPd	02	55.45	-0.7	MLY	4.96	7	eP	03	55.86	-1.2	
LBFM	83.28	49	eP	22	53.80	-0.1	NCT	0.61	316	iPd	02	56.13	-0.6	FBA	5.19	21	eP	03	57.13	-3.0	
MIN	83.70	50	ePd	22	55.15	-0.8							GLM	5.34	22	eP	03	59.52	-2.8		
BKS	83.73	53	ePd	22	55.09	-0.8	XLV	0.69	165	ePc	02	56.64	-0.9	PRP	6.19	26	eP	04	11.80	-2.4	
	1.3s	30.00nm			5.2mb																
ORV	83.94	51	iPd	22	56.11	-0.9	BRLK	0.70	121	eP	02	56.81	-0.8								
	1.4s	20.00nm			4.9mb																
MHC	84.30	53	ePd	22	58.84	-0.1	CNPM	0.73	145	iPc	02	57.35	-0.7								
	1.5s	30.00nm			5.1mb																
ARN	84.38	53	eP	22	59.70	0.4	NKA	0.75	33	iPc	02	59.23	1.1								
NEW	85.04	42	eP																		

07d 08h

THE 0.88 80 iPg 14 21.61 1.2
 OHR 1.00 309 ePn 14 00.50 -21.9X
 KNT 1.06 50 ePg 14 25.44 2.0X
 eSg 14 40.00
 SOH 1.21 73 ePb 14 26.48 0.4
 IGT 1.49 231 ePb 14 33.00 2.8X
 AGG 1.51 165 ePb 14 31.56 1.0
 SKO 1.52 349 ePn 14 44.57 13.9X
 S.D. = 1.4 on 6 of 10 obs.

% SEP 07, 1993 08h 25m 03.18± 0.84s
 39.249 N ± 6.8km 27.617 E ± 11.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.86 65 iPg 25 19.50 -0.3
 eSg 25 31.00
 IZM 0.89 198 ePn 25 20.40 0.0
 EDC 1.11 10 ePn 25 24.00 0.0
 BNT 1.13 12 ePn 25 23.90 -0.4
 KCT 1.15 29 iPn 25 25.40 0.7
 MFT 1.56 351 ePn 25 31.00 0.0
 S.D. = 0.5 on 6 of 6 obs.

SEP 07, 1993 08h 28m 21.92± 0.34s
 1.801 N ± 5.6km 80.580 W ± 6.0km
 DEPTH = 33.0km (normal)
 4.7mb (7 obs.)
 OFF COAST OF ECUADOR (104)
 MD 4.8 (UPA).

PSO 3.31 100 eP 29 15.00 2.0
 DVD 6.85 344 eP 30 01.19 -1.5
 eS 31 17.24
 BOG 7.08 67 eP 29 30.00 -36.3X
 UPA 7.21 8 iPc 30 06.90 -0.8
 eS 31 27.17

BRU 7.23 344 eP 30 06.87 -1.6
 eS 31 27.20
 ECO 7.56 7 iP 30 11.87 -0.9
 eS 31 35.63

SDV 12.15 54 eP 31 16.60 0.8
 TOV 13.34 53 eP 31 31.70 0.1
 NNA 14.19 165 eP 31 38.50 -4.3X
 eS 34 05.50

LPZ 21.78 146 iPc 33 12.10 -1.6
 LR 40 18.70

LPB 21.99 146 iPc 33 15.00 -0.6
 1.0s 102.00nm 5.2mb

CNCB 22.29 147 iPc 33 18.10 -0.6
 CCH 23.80 144 P 33 32.80 -0.3

UYO 34.71 340 iPd 35 10.50 -0.5
 BAO 36.58 119 Pd 35 26.30 -0.9
 i 35 31.00

TUL 36.75 339 iP 35 28.20 0.0
 FVM 37.13 347 ePd 35 31.01 -0.3
 0.5s 14.97nm 5.1mb

RSTA 40.35 133 eP 35 53.60 -4.8X
 ALQ 40.83 327 ePc 36 03.61 1.1
 0.9s 9.40nm 4.5mb

GOL 43.95 332 eP 36 28.63 0.7
 1.4s 10.62nm 4.4mb

GLA 44.70 318 eP 36 34.02 0.2
 SRU 46.10 327 eP 36 45.25 0.2

PLM 46.25 317 eP 36 47.21 0.9
 MSU 46.59 326 ePc 36 49.31 0.3

ARUT 46.82 324 eP 36 52.18 1.4
 RSSD 47.00 337 ePc 36 53.25 1.1
 0.8s 11.05nm 4.9mb

GSC 47.35 319 ePc 36 55.47 0.6
 TNP 49.30 322 ePc 37 10.27 0.2
 0.8s 4.06nm 4.5mb

BCH 49.49 317 eP 37 11.31 -0.2
 BONR 49.90 321 ePc 37 15.59 0.7

ULM 49.99 347 eP 37 15.00 0.0
 MMPM 50.16 320 eP 37 17.07 0.2

ORV 52.86 321 eP 37 37.37 0.5
 LBFM 54.14 322 ePc 37 45.89 -0.6

LON 57.35 327 eP 38 08.68 -0.6
 RMW 57.79 328 eP 38 11.62 -0.8

GMW 58.36 328 eP 38 15.70 -0.7
 INK 75.35 342 eP 40 04.50 1.0
 1.0s 4.00nm 4.4mb

KIC 75.73 84 P 40 07.20 0.4
 WB2 141.39 240 ePKP 47 47.00 -5.2X
 0.5s 1.70nm

WRA 141.40 240 PKP 47 48.20 -4.0X
 0.6s 0.60nm
 S.D. = 0.9 on 36 of 41 obs.

% SEP 07, 1993 08h 57m 34.03± 0.85s
 39.174 N ± 7.0km 27.584 E ± 8.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.81 198 ePg 57 49.90 0.0
 eSg 58 01.70
 DST 0.92 62 ePn 57 51.50 -0.1
 EZN 1.17 304 iPn 57 55.80 -0.1
 EDC 1.19 10 ePn 57 56.00 -0.2
 BNT 1.21 12 ePn 57 56.90 0.4
 S.D. = 0.3 on 5 of 5 obs.

* SEP 07, 1993 09h 06m 36.01± 1.05s
 40.568 N ± 8.5km 20.908 E ± 9.7km
 DEPTH = 10.0km (geophysicist)
 GREECE-ALBANIA BORDER REGION (392)

FNA 0.42 59 ePg 06 43.82 -0.7
 eSg 06 51.94

OHR 0.55 351 ePg 06 47.30 0.2
 iSg 06 58.20

IGT 1.12 203 ePg 06 56.82 -0.3
 eSg 07 09.78

GRG 1.20 71 ePb 06 57.86 -0.5
 iSb 07 17.17

SOH 1.88 81 ePb 07 09.82 1.3
 S.D. = 1.2 on 5 of 5 obs.

% SEP 07, 1993 09h 43m 17.95s
 34.167 N 116.433 W
 DEPTH = 7.3km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.2 (PAS), 3.0 (GS).
 Felt.

PEC 0.66 246 iPd 43 30.05 -1.2
 eS 43 38.88

PLM 0.89 204 iPd 43 34.20 -1.1
 eS 43 46.52

SSK 1.05 273 ePd 43 37.10 -1.0
 eS 43 51.63

GSC 1.17 345 eP 43 38.61 -1.5
 GLA 1.74 129 eP 43 46.38 -2.4

ISA 2.24 312 eP 43 54.19 -1.9
 eS 44 28.54

ABL 2.40 287 ePn 43 57.54 -0.9
 BCH 3.18 290 ePn 44 07.90 -1.4

TNP 3.96 351 ePn 44 18.49 -2.1
 MMPM 4.03 329 ePg 44 31.73 10.1

BONR 4.07 339 ePn 44 21.11 -1.1
 ARUT 4.35 33 (Pn) 44 25.82 -0.3
 ePg 44 38.99

CMB 5.01 321 Pg 44 48.36 13.0
 MSU 5.53 37 ePg 44 59.61 16.7
 14 obs. associated

? SEP 07, 1993 09h 55m 03.75± 0.93s
 39.564 N ± 9.7km 29.457 E ± 7.9km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.64 274 iPg 55 16.50 -0.2
 iSg 55 25.50

ALT 0.72 135 ePn 55 18.00 0.0
 KCT 1.09 309 ePn 55 24.40 0.2

EYL 1.14 28 ePn 55 25.00 -0.1
 S.D. = 0.3 on 4 of 4 obs.

? SEP 07, 1993 09h 57m 07.02± 0.93s
 18.951 S ± 8.4km 67.755 W ± 13.2km
 DEPTH = 33.0km (normal)
 CENTRAL BOLIVIA (120)

CNCB 2.14 354 iPd 57 41.10 -0.5
 S 58 15.00

CCH 2.19 45 P 57 47.30 5.2X
 LPB 2.43 352 iPd 57 46.40 0.8

LPZ 2.67 352 iPd 57 49.00 -0.3
 S 58 30.00

ANT 5.34 207 eP 58 26.50 0.0

SIV 7.02 66 P 58 50.30 0.0
 S.D. = 0.7 on 5 of 6 obs.

? SEP 07, 1993 10h 07m 30.96± 1.59s
 31.848 S ± 14.7km 177.564 W ± 22.6km
 DEPTH = 33.0km (normal)
 4.8mb (7 obs.) 4.3msz (1 obs.)
 KERMADEC ISLANDS REGION (177)

RAO 2.61 353 eP 08 11.50 -0.2
 eS 08 41.50

URZ 7.74 213 eP 09 16.30 -7.9X
 eS 10 39.70

WCZ 7.87 237 eP 09 26.80 0.9
 OUZ 8.11 243 P 09 29.20 -0.1

BWZ 16.03 214 eP 11 11.60 -3.8X
 DZM 17.25 300 iPc 11 34.10 3.1X
 BRS 26.12 272 iPc 13 05.00 1.2
 0.8s 5.00nm 4.2mb

ARMA 26.37 265 eP 13 07.20 1.1
 CTA 34.42 281 iPd 14 18.20 0.7

STK 34.54 259 eP 14 17.90 -0.6
 0.8s 3.30nm 4.3mb

ASPA 43.42 268 iPc 15 31.20 -1.3
 0.8s 12.10nm 4.7mb
 Z 20s 0.40um 4.3msz

WB2 44.53 273 eP 15 38.20 -3.3X
 0.3s 21.40nm 5.5mb

WRA 44.54 273 P 15 39.30 -2.3
 0.7s 5.40nm 4.5mb

CSY 54.05 208 eP 16 53.20 -0.8
 0.7s 15.80nm 5.2mb

SPA 58.32 180 ePc 17 31.60 6.6X
 0.5s 20.83nm 5.5mb

KAF 146.03 340 iPKP 27 08.70 1.3
 0.5s 5.50nm

OBN 146.56 324 ePKP 27 11.70 3.3X
 2.0s 96.00nm

NUR 147.80 339 iPKP 27 14.80 4.6X
 0.4s 7.00nm

HFS 150.73 348 ePKP 27 20.40 5.6X
 0.4s 1.00nm

S.D. = 1.3 on 11 of 19 obs.

% SEP 07, 1993 10h 30m 55.86s
 40.626 N 125.034 W
 DEPTH = 23.8km
 OFF COAST OF NORTHERN CALIFORNIA(34)
 <GM-P>. MD 2.8 (GM).

KMPM 0.73 106 ePc 31 08.90 -1.0
 eS 31 19.08

FHC 0.82 77 eP 31 09.98 -1.3
 eS 31 19.22

LGPM 1.70 80 eP 31 22.53 -2.0
 eS 31 41.26

WDC 1.90 91 ePd 31 25.66 -1.6
 LBFM 2.49 72 eP 31 34.86 -1.0

ORV 2.91 110 ePc 31 39.33 -2.4
 6 obs. associated

? SEP 07, 1993 10h 42m 12.29± 5.52s
 30.522 S ± 46.1km 68.514 W ± 41.1km
 DEPTH = 33.0km (normal)
 SAN JUAN PROVINCE, ARGENTINA (137)

RTLL 0.81 177 ePd 42 26.00 -1.3
 RTCB 0.99 194 ePc 42 30.00 0.0
 (S) 42 44.00

RTCV 1.34 181 eP 42 36.00 1.2
 RTPR 1.74 83 iPd 42 40.50 -0.2

TCA 3.47 105 iPd 43 05.60 0.2
 (S) 43 47.00

S.D. = 1.2 on 5 of 5 obs.

% SEP 07, 1993 11h 01m 20.05± 0.66s
 44.444 N ± 5.7km 7.271 E ± 7.1km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.8 (GEN).

PZZ 0.14 297 P 01 23.52 0.1
 S 01 25.67

STV 0.20 169 P 01 24.63 0.1
 S 01 27.40

ENR 0.24 154 P 01 25.35 0.1

BHB 0.40 359 P 01 28.71
S 01 28.08 -0.1
S 01 33.74
ROB 0.46 109 P 01 29.56 0.2
S 01 36.24
IMI 0.70 140 P 01 33.40 -0.4
S 01 42.83
FIN 0.71 109 P 01 34.18 0.1
S.D. = 0.3 on 7 of 7 obs.

& SEP 07, 1993 11h 24m 26.87s
32.364 N 115.359 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 4.0 (PAS).

PLM 1.60 308 ePd 24 53.14 -2.9
PEC 2.15 316 ePd 25 00.63 -3.1
SSK 2.69 314 ePd 25 09.22 -2.4
ePg 25 16.03
GSC 3.17 338 ePn 25 15.32 -3.0
TUC 3.87 90 ePn 25 24.51 -3.8
ABL 4.07 309 ePn 25 28.24 -2.9
ISA 4.19 323 ePn 25 29.22 -3.5
BCH 4.84 307 ePn 25 39.30 -2.8
ARUT 5.64 16 ePn 25 50.57 -2.8
TNP 5.90 346 (P) 25 54.97 -2.2
MEMM 6.05 332 ePg 26 19.99 21.0
BONR 6.08 337 (Pn) 25 57.11 -2.6
MSU 6.66 22 eP 26 05.41 -2.5
SRU 7.79 29 ePn 26 21.28 -2.5
ALQ 7.85 68 eP 26 21.98 -2.6
PV10 7.91 39 (Pn) 26 23.46 -2.0
ePg 26 53.94
PV09 7.95 38 (Pn) 26 23.04 -3.0
eS 28 35.69
PV08 8.27 40 (Pn) 26 27.51 -3.0
eS 28 41.37
GOL 10.90 45 (Pn) 27 09.15 2.4
0.9s 3.98nm 4.8mb X
MCMT 12.60 8 eP 27 32.60 2.9
20 obs. associated

& SEP 07, 1993 11h 29m 07.43s
32.375 N 115.343 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.9 (PAS).

GLA 0.80 33 eP 29 21.41 -2.0
PEC 2.15 315 (P) 29 44.28 0.0
eS 30 12.49
2 obs. associated

% SEP 07, 1993 11h 32m 14.89± 0.79s
40.068 N ± 8.1km 29.497 E ± 6.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

EYL 0.71 45 ePg 32 28.90 -0.1
eSg 32 39.90
DST 0.81 236 iPn 32 30.50 -0.2
KCT 0.89 282 iPn 32 32.90 0.9
ALT 1.12 155 ePn 32 36.00 0.1
BNT 1.24 284 ePn 32 37.90 -0.1
EDC 1.28 283 ePn 32 38.00 -0.7
S.D. = 0.6 on 6 of 6 obs.

& SEP 07, 1993 11h 33m 22.20s
32.371 N 115.353 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.4 (PAS).

GLA 0.81 33 eP 33 36.52 -1.8
PLM 1.60 308 ePn 33 48.73 -2.6
eS 34 12.98
PEC 2.14 315 ePn 33 55.75 -3.3
eS 34 28.03
SSK 2.68 314 (Pn) 34 04.57 -2.3
eS 34 45.08
GSC 3.16 338 ePn 34 10.82 -2.7
TUC 3.87 90 (Pn) 34 20.70 -2.9
ABL 4.07 309 ePg 34 34.11 7.6
ISA 4.18 323 ePg 34 39.75 11.7
ARUT 5.63 16 ePg 35 10.38 21.8

BONR 6.07 337 ePg 35 20.75 25.8
MSU 6.65 22 (P) 35 02.35 -0.8
11 obs. associated

& SEP 07, 1993 11h 34m 28.59s
32.379 N 115.359 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.1 (PAS).

PLM 1.59 308 (P) 34 56.58 -1.0
PEC 2.14 315 (P) 35 05.65 0.4
2 obs. associated

SEP 07, 1993 11h 56m 47.48± 0.42s
43.083 N ± 3.6km 27.348 E ± 5.6km
DEPTH = 10.0km (geophysicist)

BULGARIA (359)
Felt at Shumen, Devnya and
Dulgopol.

BUC1 1.58 323 iPc 57 24.00 8.4X
CTT 2.09 157 ePn 57 23.90 0.8
CFR 2.18 15 iPc 57 23.20 -1.1
MFT 2.29 181 iPn 57 26.10 0.1
ITU 2.33 147 ePn 57 37.00 10.5X
iSg 57 54.00
ISK 2.38 147 iPn 57 26.90 -0.3
ALN 2.39 204 ePn 57 28.28 1.0
eS 58 06.72
MLR 2.61 338 iPc 57 31.50 1.0
MTUR 2.70 323 ePc 57 31.00 -0.8
CMP 2.75 324 ePd 57 40.00 7.6X
EDC 2.76 172 ePn 57 34.00 1.4
VRI 2.82 351 eP 57 35.00 1.6
HRT 2.85 142 eP 57 32.50 -1.3
KCT 2.93 165 ePn 57 34.40 -0.6
IZI 3.17 149 ePn 57 39.00 0.6
EZN 3.34 194 eP 57 40.00 -0.8
TNR 3.39 320 ePd 58 28.00 46.6X
SRS 3.42 236 ePn 57 42.20 0.3
CLI 3.47 359 ePc 57 42.00 -0.6
OUR 3.73 224 iPn 57 45.66 -0.6
SOH 3.74 234 ePn 57 46.08 -0.4
KNT 3.83 241 iPn 57 47.72 0.0
GZR 4.02 307 ePd 57 22.50 -27.9X
PAIG 4.19 222 iPn 57 52.12 -0.6
SSR 4.42 296 iPd 58 54.00 57.9X
SKO 4.51 258 ePn 58 17.00 19.7X
0.7s 50.00nm
i 59 18.30
LIT 4.71 232 ePn 58 00.24 0.0
OHR 5.26 250 eP 58 35.00 27.0X
WRA 115.61 94 PKP 15 27.60 -4.1X
0.9s 0.30nm
S.D. = 0.9 on 20 of 29 obs.

& SEP 07, 1993 12h 01m 36.82s
32.363 N 115.342 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.8 (PAS).

GLA 0.81 32 ePc 01 50.86 -2.1
PLM 1.62 308 eP 02 05.62 -0.5
eS 02 24.62
PEC 2.16 315 eP 02 11.84 -2.0
SSK 2.70 314 eP 02 20.92 -0.8
eS 02 58.17
GSC 3.17 338 eP 02 28.25 -0.1
5 obs. associated

& SEP 07, 1993 12h 12m 33.06s
32.351 N 115.350 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.0 (PAS). Double
event.

GLA 0.83 32 iPc 12 47.34 -2.1
PLM 1.62 309 ePn 12 59.90 -2.5
PEC 2.16 316 eP 13 06.98 -3.2
SSK 2.70 314 ePn 13 16.39 -1.6
ePg 13 21.91
GSC 3.18 338 (Pn) 13 20.75 -3.9
ePg 13 35.45
ISA 4.20 323 (Pn) 13 35.56 -3.6

ARUT 5.65 16 (Pn) 13 59.12 -0.6
ePg 14 20.36
MSU 6.67 22 (Pn) 14 09.52 -4.7
8 obs. associated

& SEP 07, 1993 12h 13m 46.99s
32.361 N 115.342 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.3 (PAS).

PLM 1.62 308 (P) 14 14.62 -1.7
eS 14 35.12
PEC 2.16 316 (P) 14 23.66 -0.4
SSK 2.70 314 (P) 14 32.20 0.3
3 obs. associated

% SEP 07, 1993 12h 27m 44.86± 0.94s
39.242 N ± 8.3km 27.703 E ± 9.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

DST 0.80 63 ePg 28 00.00 -0.5
IZM 0.91 202 ePn 28 02.40 0.1
EDC 1.11 6 ePn 28 05.00 -0.7
KCT 1.13 26 ePn 28 07.10 1.1
EZN 1.21 299 ePn 28 07.40 0.0
S.D. = 1.0 on 5 of 5 obs.

& SEP 07, 1993 12h 38m 39.57s
32.348 N 115.347 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.1 (PAS).

PLM 1.62 309 eP 39 07.73 -1.2
eLg 39 30.09
PEC 2.16 316 ePn 39 14.28 -2.4
eS 39 45.42
SSK 2.70 314 ePn 39 22.67 -1.9
ePg 39 28.17
eS 40 01.52
GSC 3.19 338 (P) 39 33.06 1.8
TUC 3.86 89 (Pn) 39 37.95 -3.0
(Pg) 39 52.46
MSU 6.67 22 (P) 40 18.84 -2.0
6 obs. associated

& SEP 07, 1993 12h 40m 56.59s
34.048 N 117.169 W
DEPTH = 6.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 3.0 (PAS).

PEC 0.16 177 iPc 41 01.00 1.0
SSK 0.46 291 iPc 41 05.40 -0.6
eS 41 12.38
PLM 0.74 160 eP 41 11.00 -0.4
GSC 1.29 13 (P) 41 20.45 -0.4
eS 41 36.31
ABL 1.88 296 ePn 41 28.61 -1.0
eS 41 50.42
ISA 1.94 327 eP 41 29.25 -1.1
eS 41 56.00
BCH 2.66 296 eP 41 40.14 -0.6
MEMM 3.89 339 (P) 41 57.63 -0.4
BONR 4.01 347 (Pn) 41 59.02 -1.0
TNP 4.03 359 (P) 41 59.28 -0.9
10 obs. associated

& SEP 07, 1993 12h 41m 20.18s
32.351 N 115.350 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.5 (PAS).

TUC 3.87 89 (Pn) 42 19.80 -1.7
(Pg) 42 38.35
1 obs. associated

& SEP 07, 1993 12h 48m 55.33s
32.359 N 115.364 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.8 (PAS).

07d 12h

GLA 0.83 33 eP 49 09.42 -2.3
 PLM 1.60 309 eP 49 22.80 -1.6
 PEC 2.15 316 (P) 49 30.47 -1.7
 SSK 2.69 314 (Pn) 49 39.11 -0.9
 ePg 49 44.35
 eS 50 15.10
 GSC 3.17 338 (P) 49 45.58 -1.2
 5 obs. associated

SEP 07, 1993 12h 59m 21.95s
 32.363 N 115.363 W
 DEPTH = 6.0km (geophysicist)
 CALIF.-BAJA CALIF. BORDER REGION(45)
 <PAS-P>. ML 3.7 (PAS).

GLA 0.82 33 iPd 59 36.26 -2.0
 PLM 1.60 308 eP 59 48.63 -2.4
 PEC 2.14 316 ePn 59 55.90 -2.9
 ePg 00 01.47
 eS 00 27.55
 SSK 2.68 314 ePn 00 04.33 -2.3
 ePg 00 10.69
 eS 00 44.19
 GSC 3.17 338 eP 00 18.05 4.7
 TUC 3.88 90 eP 00 22.41 -1.1
 ABL 4.06 309 eP 00 29.52 3.3
 ISA 4.18 323 eP 00 36.61 8.8
 BCH 4.84 307 (P) 00 35.93 -1.2
 9 obs. associated

SEP 07, 1993 13h 02m 05.62s
 59.837 N 152.875 W
 DEPTH = 98.3km
 SOUTHERN ALASKA (2)
 <AEIC>.

INE 0.24 337 eP 02 19.50 0.9
 eS 02 30.88
 ILIM 0.25 350 ePd 02 19.16 0.7
 eS 02 30.50
 OPT 0.26 224 iPd 02 19.36 0.9
 eS 02 30.68
 INW 0.27 331 eP 02 19.37 0.8
 eS 02 31.08
 AUL 0.54 212 eP 02 21.08 -0.6
 AUE 0.54 208 eP 02 21.10 -0.6
 eS 02 33.50
 AUP 0.55 210 eP 02 21.31 -0.6
 AGU 0.56 211 eP 02 22.18 0.2
 AUH 0.56 212 eP 02 21.37 -0.6
 AUW 0.56 213 eP 02 21.24 -0.6
 AUI 0.58 209 eP 02 21.30 -0.7
 eS 02 33.22
 RED 0.59 5 eP 02 21.41 -0.8
 eS 02 33.64
 RSO 0.63 5 eP 02 22.10 -0.6
 RS2 0.63 5 eP 02 22.08 -0.7
 HOM 0.65 106 eP 02 22.20 -0.4
 eS 02 35.45
 RDW 0.65 3 eP 02 22.04 -0.8
 REF 0.66 7 eP 02 22.50 -0.5
 eS 02 35.32
 PDB 0.67 266 iPd 02 22.01 -0.8
 eS 02 34.71
 XLV 0.70 123 eP 02 22.35 -0.8
 eS 02 35.52
 NCT 0.73 358 ePd 02 22.78 -0.7
 eS 02 36.15
 DFR 0.76 7 eP 02 23.14 -0.7
 eS 02 36.86
 RDT 0.78 17 iPc 02 23.04 -0.9
 CNPM 0.89 110 iPd 02 24.07 -0.9
 eS 02 38.57
 CDD 0.99 204 eP 02 24.84 -1.3
 BRLK 1.01 93 eP 02 25.57 -0.8
 eS 02 40.76
 NKA 1.22 41 eP 02 29.67 1.0
 SYI 1.26 168 eP 02 28.06 -1.1
 eS 02 45.60
 BKG 1.27 14 iPc 02 28.81 -0.7
 eS 02 46.43
 CKL 1.39 11 eP 02 30.30 -0.6
 CWT 1.41 13 iPc 02 30.30 -0.8
 eS 02 49.71
 SPU 1.41 16 eP 02 30.25 -0.8

BGL 1.45 9 eS 02 49.95
 CP2 1.47 12 eP 02 31.12 -0.6
 CRP 1.48 14 eP 02 31.76 -0.3
 SLKM 1.49 62 eP 02 30.96 -1.1
 eS 02 50.63
 CGLM 1.54 16 ePc 02 32.08 -0.7
 NCG 1.61 12 eP 02 33.00 -0.7
 SEW 1.74 80 eP 02 34.03 -1.2
 eS 02 55.57
 SVW 1.86 314 P 02 35.70 -1.2
 MPA 1.87 68 eP 02 35.65 -1.3
 eS 02 59.02
 SUA 1.94 32 eP 02 37.35 -0.6
 eS 03 02.56
 PMS 2.16 48 P 02 39.70 -1.1
 PTE 2.17 60 eP 02 39.56 -1.3
 SKT 2.25 16 eP 02 40.81 -1.2
 PWA 2.34 38 P 02 42.20 -0.9
 PWL 2.48 64 eP 02 42.69 -2.4
 LTI 2.54 83 eP 02 44.00 -1.8
 PLRM 2.55 45 eP 02 43.73 -2.2
 GHO 2.74 43 eP 02 47.04 -1.6
 CFI 2.86 60 eP 02 48.10 -2.1
 CUT 2.87 25 eP 02 49.84 -0.5
 SML 2.98 46 eP 02 49.53 -2.3
 HIN 3.24 77 eP 02 52.74 -2.7
 FID 3.31 71 eP 02 53.17 -3.2
 VZW 3.36 66 eP 02 54.55 -2.6
 SCM 3.37 51 eP 02 55.09 -2.2
 VLZ 3.49 65 eP 02 56.15 -2.6
 HUR 3.52 25 eP 02 58.50 -0.7
 CVA 3.63 76 eP 02 58.21 -2.5
 KLU 3.80 61 eP 03 00.38 -2.8
 TRF 3.83 18 eP 03 02.16 -1.5
 KTH 3.84 13 P 03 03.90 0.2
 SGAM 3.89 77 P 03 01.20 -3.1
 TOA 3.98 52 P 03 03.50 -2.1
 RND 4.06 26 eP 03 05.12 -1.6
 RAGM 4.14 79 eP 03 05.49 -2.3
 DHY 4.19 37 eP 03 06.54 -2.0
 KAIM 4.26 85 eP 03 07.55 -1.9
 MCK 4.33 24 eP 03 07.97 -2.5
 GLB 4.74 66 eP 03 13.08 -3.0
 PAX 4.75 45 P 03 15.60 -0.6
 WAX 5.05 79 eP 03 18.24 -2.1
 SNH 5.05 82 P 03 16.20 -4.1
 TGL 5.08 75 eP 03 18.21 -2.6
 BALM 5.35 72 eP 03 22.56 -2.1
 CCB 5.38 24 eP 03 22.13 -2.7

76 obs. associated
 * SEP 07, 1993 13h 09m 38.94± 0.87s
 22.716 S ±10.6km 66.356 W ±11.3km
 DEPTH = 261.7 ± 10.8 km

JUJUY PROVINCE, ARGENTINA (128)
 YJA 0.96 56 iPd 10 15.50 -0.3
 S 10 41.50
 HJA 1.01 120 ePd 10 16.00 0.5
 ANT 3.86 254 iP 10 41.80 -0.3
 iS 11 26.60
 CCH 5.31 2 P 11 00.10 0.3
 i 12 01.00
 CNCB 6.07 345 iPc 11 11.10 1.7
 S 12 21.20
 LPB 6.37 345 P 11 11.00 -1.9
 S 12 27.00
 LPAZ 6.61 345 P 11 16.70 0.5
 S 12 31.30
 SIV 8.34 38 P 11 36.40 -1.0
 VAO 17.87 95 eP 13 31.80 0.0
 VAO2 18.25 95 eP 13 35.50 -0.3
 BAO 18.71 71 eP 13 41.20 0.7

S.D. = 1.1 on 11 of 11 obs.
 % SEP 07, 1993 13h 14m 26.89± 0.71s
 40.611 N ± 6.2km 23.580 E ± 7.6km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 2.4 (THE).

SOH 0.27 321 iPg 14 33.01 0.4
 iSg 14 37.46
 OUR 0.41 132 ePg 14 35.36 0.0
 eSg 14 42.52
 THE 0.47 273 ePg 14 35.88 -0.5

eSg 14 43.84
 SRS 0.51 1 iPg 14 36.62 -0.5
 eSg 14 43.04
 PAIG 0.69 174 iPg 14 40.56 0.1
 eSg 14 49.64
 KNT 0.76 317 ePg 14 42.24 0.6
 iSg 14 53.00
 S.D. = 0.6 on 6 of 6 obs.

% SEP 07, 1993 13h 38m 27.25± 0.73s
 40.097 N ± 7.0km 29.306 E ± 6.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.5 (ISK).

IZI 0.27 28 iPg 38 32.90 -0.1
 eSg 38 37.40
 DST 0.72 227 iPg 38 41.20 -0.2
 iSg 38 50.20
 KCT 0.74 282 ePg 38 42.00 0.2
 EYL 0.80 54 ePg 38 42.90 0.0
 ALT 1.21 149 ePn 38 50.00 0.1
 S.D. = 0.2 on 5 of 5 obs.

SEP 07, 1993 13h 39m 43.05± 0.27s
 13.010 S ± 5.3km 167.458 E ± 9.7km
 DEPTH = 190.0km (geophysicist)
 4.4mb (7 obs.)

VANUATU ISLANDS (186)

BRS 19.83 222 iPd 44 04.00 2.8
 0.5s 4.00nm 4.2mb
 CTA 21.50 248 iPc 44 17.50 -0.2
 ARMA 22.68 218 eP 44 30.70 1.5
 URZ 26.57 163 P 45 06.50 1.2
 MNG 28.39 167 P 45 21.40 -0.3
 KIW 28.51 168 eP 45 22.70 0.0
 TCW 28.72 169 eP 45 24.60 0.0
 CAW 28.77 168 P 45 24.60 -0.5
 MRW 28.82 169 eP 45 25.40 -0.1
 MTW 28.91 167 P 45 25.50 -0.8
 THZ 29.04 172 eP 45 27.70 0.2
 MOW 29.11 168 P 45 27.20 -0.9
 KHZ 29.77 171 eP 45 33.10 -0.7
 LTZ 29.96 173 P 45 35.70 0.2
 WVZ 30.09 175 P 45 37.00 0.4
 STK 30.27 227 eP 45 37.90 -0.4
 2.0s 3.80nm 3.8mb
 BWZ 31.48 177 eP 45 49.20 0.5
 MHZ 31.98 178 eP 45 52.40 -0.8
 LRCZ 31.99 177 eP 45 52.80 -0.5
 LSCZ 32.04 177 P 45 54.00 0.3
 CMCZ 32.07 178 P 45 54.00 0.0
 TLC 32.10 178 P 45 54.70 0.4
 WB2 32.44 253 iPc 45 55.90 -1.5
 0.6s 4.70nm 4.3mb
 WRA 32.45 253 P 45 56.30 -1.2
 0.9s 1.20nm 3.6mb
 TUZ 32.89 177 P 46 01.60 0.7
 ASPA 33.49 247 eP 46 05.00 -1.5
 0.6s 10.50nm 4.7mb
 eS 50 54.80
 SPA 77.07 180 iPc 51 15.70 -0.9
 0.5s 13.89nm 4.9mb
 LZH 77.31 312 eP 51 21.00 2.6
 1.2s 28.00nm 4.9mb
 KAF 123.66 339 iPKP 58 18.80 -0.2
 0.5s 3.30nm
 NUR 125.35 338 iPKP 58 23.20 0.9
 0.4s 5.90nm
 NB2 129.02 345 PKP 58 30.30 0.9
 0.7s 1.70nm
 GEC2 138.20 334 ePKP 58 48.30 1.0
 0.8s 1.99nm
 e 59 00.80
 FLN 142.98 347 ePKP 58 52.70 -2.9X
 0.5s 3.20nm
 LDF 143.05 346 ePKP 58 53.10 -2.7X
 LOR 143.18 341 iPKPd 58 55.20 -0.9
 1.2s 12.50nm
 GRR 143.41 347 ePKP 58 54.60 -1.8
 1.1s 27.10nm
 SSF 143.48 341 iPKPd 58 55.40 -1.1
 0.8s 7.50nm
 LSD 143.59 336 PKP 58 56.54 -0.6
 LPG 143.71 337 iPKPd 58 56.60 -0.8
 0.9s 6.20nm

07d 13h

SMF	143.74	341	ePKP	58 55.90	-1.1	4.2mb (7 obs.)	INW	3.43	220	P	56 59.50	0.3					
	0.9s	10.95nm				CENTRAL ALASKA	TGL	3.46	123	ePd	56 58.01	-1.5					
AVF	143.77	341	iPKPd	58 55.80	-1.2	<AEIC>. ML 4.5 (AEIC), 4.1				eS	57 39.22						
	1.0s	13.40nm				(PMR). Felt (II) at Palmer.	CNPM	3.47	201	eP	56 58.93	-0.7					
PCP	143.77	334	PKP	58 55.87	-1.3		BALM	3.49	117	iPc	56 58.52	-1.4					
LPF	143.79	347	ePKP	58 56.20	-0.8	HUR				eS	57 38.38						
	0.7s	12.35nm								eP	56 58.60	-1.8					
RSP	143.80	336	PKP	58 56.54	-0.8	RND	0.64	356	iPd	56 20.52	-0.3	MID	3.55	160	P	56 59.90	-0.7
BHB	144.06	336	PKP	58 55.87	-1.8	CUT	0.79	243	eP	56 22.40	-0.1	XLV	3.63	205	P	57 02.40	0.7
BGF	144.13	342	iPKPd	58 57.40	-0.3	MCK	0.97	355	iPc	56 24.77	0.0	WAX	3.65	127	eP	57 01.04	-1.1
	1.0s	39.00nm							eS	56 38.25		SVW	3.65	246	eP	57 00.35	-1.8
RRL	144.18	336	PKP	58 58.14	0.0	TRF	0.98	315	iPd	56 24.86	-0.2	OPT	3.80	217	eP	57 04.59	0.3
FIN	144.18	334	PKP	58 56.95	-0.9	SML	0.98	169	iPc	56 24.76	-0.2	SNH	3.84	130	P	57 05.10	0.3
ROB	144.26	335	PKP	58 56.95	-1.1				eS	56 38.26		IMA	3.94	329	eP	57 04.13	-2.2
PZZ	144.40	336	PKP	58 57.45	-0.9	GHO	1.00	185	iPc	56 25.22	0.0	CTGM	3.95	114	iPd	57 05.65	-0.8
PLDF	144.41	341	PKP	58 58.99	0.7				eS	56 39.98		PDB	3.98	224	eP	57 06.67	0.0
AGO	144.49	341	PKP	58 59.18	0.8	SCM	1.15	144	iPc	56 26.83	-0.4	CYK	4.04	129	eP	57 06.23	-1.2
MAF	144.52	342	iPKPd	58 58.80	0.4	PLRM	1.19	189	iPc	56 27.66	0.0	AUL	4.09	216	eP	57 08.84	0.6
	0.8s	16.40nm							eS	56 44.86		AUE	4.09	215	P	57 09.10	0.8
IMI	144.56	334	PKP	58 58.28	-0.3	PMR	1.19	189	iPc	56 27.35	-0.4	FYU	4.10	20	ePc	57 06.82	-1.6
TCF	144.57	342	iPKPd	58 58.80	0.3				eS	56 40.13		AUP	4.10	216	eP	57 09.13	0.6
	0.8s	22.05nm				PWA	1.24	206	P	56 28.70	0.4	AGU	4.11	216	eP	57 09.50	0.9
SBF	144.79	335	iPKPd	58 59.10	0.1	KTH	1.26	310	iPc	56 28.81	0.0	AUH	4.11	216	eP	57 08.86	0.3
	0.8s	52.10nm				TOA	1.37	118	P	56 30.70	0.5	AUW	4.11	216	eP	57 08.77	0.3
LSF	144.80	343	ePKP	58 59.30	0.5	BWN	1.45	347	iPc	56 30.50	-0.7	YAH	4.13	123	eP	57 07.25	-1.7
	1.0s	34.40nm				SDG	1.50	98	iPc	56 32.26	0.3	CDD	4.53	214	eP	57 14.63	0.1
PYM	144.80	341	PKP	59 00.31	1.4	PAX	1.52	81	iPd	56 32.20	0.0	SYI	4.54	205	eP	57 13.66	-0.9
MFF	144.92	345	ePKP	59 00.00	1.0				eS	56 51.66		KDC	5.37	202	eP	57 23.40	-2.8
	0.8s	52.40nm				SKT	1.52	240	ePd	56 32.11	-0.1	ADK	18.44	247	(P)	00 16.82	-2.3
PGF	145.15	332	iPKPd	59 00.40	0.7				eS	56 52.59			0.8s	18.10nm		4.3mb	
	0.7s	14.75nm				PMS	1.58	195	P	56 33.20	0.2	GMW	21.04	124	eP	00 46.51	-0.7
LBL	145.19	340	PKP	59 01.83	2.2X	SUA	1.61	217	iPc	56 34.14	0.6	RMW	21.49	123	eP	00 51.34	-0.5
FRF	145.36	335	iPKPd	59 01.00	1.2				eS	56 56.42		LON	22.08	124	eP	00 57.68	0.1
	0.9s	33.75nm				CFI	1.66	163	iPc	56 33.97	-0.1	NEW	22.73	115	(P)	01 03.50	-0.5
LRG	145.57	335	iPKPd	59 01.70	1.5				eS	56 55.28			0.9s	5.26nm		4.0mb	
	0.8s	24.60nm				NEA	1.82	355	iPc	56 35.19	-1.2			epP	01 20.00	73kmX	
LMR	145.61	335	iPKPd	59 01.90	1.6	HDA	1.83	25	iPc	56 35.56	-0.9	BW06	30.30	113	eP	02 12.50	-1.8
	0.5s	14.35nm				KLU	1.84	133	iPc	56 36.30	-0.5		0.9s	2.68nm		4.0mb	
RJF	145.66	342	iPKPd	59 02.30	2.0	PTE	1.92	184	eP	56 37.05	-0.6	BONR	30.98	129	(P)	02 19.53	-0.8
	0.7s	6.70nm				PWL	1.93	174	iPc	56 37.67	-0.2	RSSD	31.63	105	eP	02 24.10	-1.8
CAF	145.84	341	iPKPd	59 03.00	2.3X	CCB	1.93	12	iPc	56 36.60	-1.3		0.8s	6.61nm		4.5mb	
	1.0s	13.20nm				VLZ	2.00	144	iPc	56 37.90	-0.9	MSU	32.81	120	eP	02 34.90	-1.3
LFF	146.22	343	iPKPd	59 03.90	2.7X	VZW	2.00	148	iPc	56 38.21	-0.8			epP	02 52.58	74kmX	
	0.7s	17.20nm				NGC	2.11	231	eP	56 40.80	0.3		i	03 00.73			
LPO	146.32	342	iPKPd	59 04.30	2.9X	FBA	2.18	11	iPc	56 39.96	-1.4	SRU	32.96	118	eP	02 35.75	-1.7
	0.6s	11.65nm				CRP	2.20	228	eP	56 42.03	0.2	DAG	37.25	17	eP	03 12.00	-1.3
EPF	148.08	342	iPKPd	59 09.50	5.2X	MDM	2.21	6	eP	56 40.85	-1.0	WMOK	41.64	108	eP	03 48.08	-2.1
	S.D. = 1.1 on 62 of 69 obs.					SPU	2.23	226	eP	56 42.91	0.8		0.9s	3.35nm		4.1mb	
						CP2	2.24	229	eP	56 42.68	0.3	EKA	59.21	22	Pc	06 01.10	-2.1
& SEP 07, 1993 13h 40m 48.48s						CKN	2.24	228	eP	56 43.25	0.9		0.7s	5.50nm		4.8mb	
32.329 N	115.355 W					CKT	2.27	228	eP	56 42.95	0.3	GEC2	67.86	12	eP	07 02.70	2.6
DEPTH = 6.0km (geophysicist)						BGL	2.29	230	eP	56 43.71	0.7		1.1s	1.79nm		3.9mb	
CALIF.-BAJA CALIF. BORDER REGION(45)						FID	2.29	151	iPc	56 42.28	-0.7			e	07 15.00		
<PAS-P>. ML 3.2 (PAS).									eS	57 10.73							
						MPA	2.31	188	eP	56 44.19	1.1						
GLA	0.85	32	eP	41 02.60	-2.7	GLM	2.31	14	ePc	56 41.91	-1.3						
PLM	1.63	309	eP	41 15.96	-2.0	CKL	2.32	229	eP	56 44.69	1.3						
			eS	41 37.45		NKA	2.35	211	eP	56 47.06	3.3						
PEC	2.17	316	eP	41 22.91	-2.8	SLKM	2.38	198	eP	56 44.44	0.3						
			eS	41 54.07		BKG	2.38	226	eP	56 44.31	0.0	GLA	0.82	32	eP	08 08.28	-2.3
SSK	2.71	314	(Pn)	41 31.29	-2.3	MLY	2.44	340	iPc	56 43.90	-1.1	PLM	1.61	308	eP	08 21.20	-2.4
			ePg	41 37.57		HIN	2.61	155	iPc	56 46.54	-0.9				eS	08 43.12	
			eS	42 12.15		CVA	2.65	146	ePc	56 46.57	-1.3	PEC	2.15	316	ePn	08 29.98	-1.4
GSC	3.20	338	(P)	41 36.02	-4.4	GLB	2.67	118	iPc	56 47.81	-0.6				ePg	08 33.75	
TUC	3.87	89	ePn	41 49.14	-0.8				eS	57 19.11		SSK	2.69	314	eP	08 35.48	-3.7
ISA	4.22	323	ePn	41 52.55	-2.2	TMW	2.68	75	eP	56 47.71	-0.7				eS	09 15.16	
			ePg	42 06.35		SEW	2.70	188	eP	56 48.73	0.2						
7 obs. associated						LTI	2.77	171	eP	56 48.23	-1.5						
						SGAM	2.83	142	eP	56 49.66	-0.9						
SEP 07, 1993 13h 55m 01.31± 0.96s						DFR	2.88	222	eP	56 51.60	0.2						
38.508 N ± 6.8km 28.251 E ± 11.3km						REF	2.97	221	eP	56 51.16	-1.5						
DEPTH = 10.0km (geophysicist)						NCT	2.98	224	eP	56 52.77	0.0						
TURKEY					(366)	RDW	3.00	222	eP	56 53.38	0.2						
ML 2.9 (ISK).						RS2	3.00	221	eP	56 53.29	0.1						

07d 14h

TUC 3.88 89 (P) 11 52.36 32.8
 ARUT 5.64 16 (P) 11 42.81 -1.9
 MSU 6.67 22 (P) 11 57.64 -1.6
 8 obs. associated

? SEP 07, 1993 14h 16m 31.86± 2.29s
 31.600 S ± 11.8km 69.287 W ± 17.2km
 DEPTH = 137.9 ± 30.3 km
 SAN JUAN PROVINCE, ARGENTINA (137)

CFA 0.89 91 iPd 16 54.90 0.0
 S 17 08.20
 RTRS 1.43 354 iP 17 00.10 0.0
 S 17 20.50
 RTRP 2.71 62 eP 17 15.50 -0.1
 S 17 44.00
 RFA 3.24 168 iPc 17 22.50 0.0
 TCA 4.02 88 iP 17 33.00 0.1
 (S) 18 17.00

S.D. = 0.1 on 5 of 5 obs.

* SEP 07, 1993 14h 26m 36.45± 0.54s
 1.362 N ± 9.6km 122.636 E ± 9.7km
 DEPTH = 33.0km (normal)
 4.1mb (2 obs.)
 MINAHASSA PENINSULA, SULAWESI (265)

TSM 5.58 302 ePd 27 57.90 -1.4
 DAV 6.40 27 eP 28 10.80 -0.1
 IPM 21.81 279 ePc 31 28.30 0.4
 ASPA 27.18 157 eP 32 19.40 0.2
 0.8s 2.80nm 4.0mb
 STK 37.63 153 eP 33 49.70 -0.5
 0.7s 3.60nm 4.3mb
 BJI 38.94 352 eP 34 07.00 5.9X
 Z 16s 0.29um 4.2MsZx
 BRS 40.72 137 eP 34 15.00 -1.0
 ARMA 41.97 141 eP 34 27.00 0.7
 KKN 44.36 310 P 34 46.60 0.7
 DMN 44.40 309 P 34 47.40 1.0
 HYB 46.16 293 eP 35 00.00 -0.2
 OBN 86.62 325 eP 39 27.00 9.3X
 1.9s 70.00nm 5.6mb X

S.D. = 0.9 on 10 of 12 obs.

& SEP 07, 1993 14h 41m 49.79s
 60.468 N 152.331 W
 DEPTH = 85.4km
 SOUTHERN ALASKA (2)
 <AEIC>.

RDT 0.11 341 iPc 42 01.65 1.0
 eS 42 11.71
 REF 0.18 277 iPd 42 02.14 1.2
 eS 42 12.12
 RSO 0.21 269 eP 42 02.07 1.0
 eS 42 12.49
 RS2 0.21 269 eP 42 02.09 1.0
 DFR 0.22 305 iPd 42 01.91 0.9
 RED 0.22 257 iPd 42 01.97 1.0
 eS 42 11.95
 RDW 0.24 274 eP 42 01.96 -0.8
 NCT 0.31 288 iPd 42 02.14 -0.9
 ILIM 0.50 219 ePd 42 03.27 -1.1
 eS 42 14.49
 INE 0.55 222 eP 42 03.78 -1.1
 eS 42 15.34
 INW 0.57 225 iPd 42 04.07 -0.9
 BKG 0.61 3 iPd 42 04.61 -0.7
 eS 42 16.97
 NKA 0.61 62 iPc 42 06.30 1.2
 SPU 0.73 11 ePd 42 05.77 -0.7
 eS 42 18.86
 CKL 0.73 360 eP 42 05.89 -0.7
 CKT 0.74 5 iPd 42 05.85 -0.8
 eS 42 19.24
 CKN 0.76 5 eP 42 06.33 -0.5
 BGL 0.80 358 iPd 42 06.70 -0.6
 CP2 0.80 3 eP 42 06.38 -1.0
 CRP 0.81 6 eP 42 06.16 -1.3
 HOM 0.88 157 eP 42 07.75 -0.3
 eS 42 21.87
 OPT 0.93 209 iPd 42 08.03 -0.7
 eS 42 22.39
 NCG 0.94 5 eP 42 08.04 -0.9
 BRLLK 1.01 134 eP 42 09.33 -0.3
 eS 42 23.61

SLKM 1.05 87 iPc 42 08.86 -1.2
 XLV 1.06 163 eP 42 09.17 -1.0
 CNFM 1.09 149 eP 42 09.58 -1.0
 PDB 1.15 235 iPc 42 09.97 -1.3
 eS 42 25.97

AUL 1.22 208 eP 42 11.26 -0.9
 AUE 1.23 206 eP 42 11.18 -1.0
 AUP 1.24 207 eP 42 11.50 -0.9
 AUH 1.24 207 eP 42 11.51 -1.0
 eS 42 29.38

AGU 1.24 207 P 42 12.60 0.1
 AUW 1.24 208 eP 42 11.43 -1.0
 AUI 1.26 206 eP 42 12.20 -0.5
 SUA 1.26 37 iPc 42 12.29 -0.5
 eS 42 30.31

MPA 1.47 88 eP 42 13.96 -1.4
 SEW 1.48 103 iPc 42 13.69 -1.7
 PMS 1.56 59 P 42 15.60 -1.0
 S 42 36.40

SKT 1.57 14 eP 42 15.40 -1.2
 PTE 1.68 75 iPc 42 16.41 -1.6
 CDD 1.68 204 eP 42 16.60 -1.5
 PWA 1.68 44 P 42 17.20 -0.9
 SVW 1.74 293 iPd 42 16.58 -2.3
 SYI 1.86 181 iPd 42 19.36 -1.2
 eS 42 42.72

PLRM 1.92 53 eP 42 19.55 -1.8
 PMR 1.92 53 eP 42 19.16 -2.1
 PWL 2.01 77 eP 42 20.17 -2.3
 GHO 2.11 50 iPc 42 22.24 -1.7
 eS 42 48.61

CUT 2.18 26 eP 42 23.87 -0.9
 LTI 2.27 99 iPc 42 23.18 -2.9
 CFI 2.35 70 eP 42 24.30 -2.8
 SML 2.36 54 iPc 42 25.35 -2.0
 MTU 2.38 100 eP 42 25.02 -2.6

KDC 2.73 182 eP 42 28.77 -3.5
 SCM 2.79 58 eP 42 30.98 -2.2
 HIN 2.89 89 eP 42 31.18 -3.4
 VZW 2.90 76 eP 42 31.35 -3.3

FTD 2.90 82 eP 42 30.50 -4.2
 VLZ 3.01 75 eP 42 33.19 -3.0
 TRF 3.15 17 eP 42 36.87 -1.4
 KTH 3.17 11 eP 42 37.46 -1.0

CVA 3.26 86 eP 42 36.73 -2.8
 KLU 3.29 69 iPc 42 37.14 -3.0
 eS 43 14.65

TOA 3.40 58 P 42 39.50 -2.1
 DHY 3.52 40 eP 42 41.76 -1.7
 SGAM 3.53 86 eP 42 40.72 -2.6
 RAGM 3.80 88 eP 42 44.28 -2.9

SDG 3.85 55 eP 42 45.79 -2.1
 KAIM 3.99 94 eP 42 47.51 -2.2
 HMT 4.01 88 eP 42 45.37 -4.7
 PAX 4.12 49 eP 42 49.78 -1.9

GLB 4.27 73 eP 42 50.10 -3.7
 CRQM 4.54 82 eP 42 54.98 -2.7
 HDA 4.67 30 eP 42 57.17 -2.2
 CCB 4.69 25 eP 42 58.03 -1.5

TGL 4.69 82 eP 42 57.10 -2.6
 WAX 4.69 86 eP 42 56.33 -3.3
 BALM 4.93 79 eP 42 59.95 -3.1

79 obs. associated

? SEP 07, 1993 14h 50m 13.42± 5.56s
 39.738 N ± 41.7km 29.490 E ± 16.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).

IZI 0.60 359 iPg 50 25.40 -0.2
 EYL 0.97 32 ePn 50 31.90 -0.1
 KCT 1.01 301 ePn 50 32.40 -0.1
 HRT 1.09 7 ePn 50 33.90 0.0

ISK 1.37 346 ePn 50 38.90 0.4
 S.D. = 0.4 on 5 of 5 obs.

% SEP 07, 1993 15h 03m 12.47± 0.88s
 39.571 N ± 8.6km 29.436 E ± 7.6km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.63 273 iPg 03 25.00 -0.1
 eSg 03 34.00
 ALT 0.73 134 ePg 03 27.00 0.1
 eSg 03 39.00

KCT 1.07 310 iPn 03 32.40 -0.3
 EYL 1.14 29 ePn 03 33.40 -0.4
 ISK 1.52 349 ePn 03 40.40 0.7
 S.D. = 0.6 on 5 of 5 obs.

SEP 07, 1993 15h 04m 35.42± 0.50s
 49.129 N ± 4.2km 6.913 E ± 6.0km
 DEPTH = 5.0km (geophysicist)
 GERMANY (543)
 ML 2.6 (STR), 2.6 (UCC).

RUP 0.58 9 ePg 04 46.70 -0.4
 LANF 0.61 104 Pg 04 47.96 0.4
 WLF 0.73 317 iPd 04 49.41 -0.6
 iS 04 58.68

CDF 0.76 161 Pg 04 50.25 -0.4
 Sg 05 01.57
 WLS 0.77 158 Pg 04 50.63 -0.3
 Sg 05 03.14

ECH 0.93 170 Pg 04 54.22 0.6
 Sg 05 07.57
 VITF 1.10 214 Pg 04 56.04 -0.5
 Sg 05 11.36

MOF 1.29 173 Pg 05 00.34 0.5
 Sg 05 18.16
 BSF 1.30 184 Pg 05 00.74 0.7
 Sg 05 18.37

FEL 1.45 149 Pg 05 03.74 1.3
 Sn 05 23.35
 ENN 1.76 339 ePn 05 09.00 2.3
 0.7s 12.60nm eSn 05 31.00

DOU 1.79 304 iP 05 07.00 -0.2
 ic 05 09.20
 GEC2 4.48 91 Pn 05 44.70 -0.9
 Pg 06 05.40
 Sn 06 36.50
 Sg 06 58.40

S.D. = 1.0 on 13 of 13 obs.

% SEP 07, 1993 15h 16m 13.19± 1.02s
 26.424 S ± 9.4km 27.431 E ± 11.6km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.6 (PRE).

PRY 0.50 176 eP 16 23.10 -0.2
 S 16 30.00
 SLR 1.03 48 eP 16 33.00 -0.2
 S 16 46.00

SEK 1.90 175 iPc 16 47.90 1.2
 S 17 09.00
 SWZ 2.03 248 eP 16 49.20 0.6
 S 17 16.00

BLF 2.89 202 eP 17 00.70 -0.2
 S 17 36.50
 FRS 3.80 209 eP 17 12.50 -1.2
 S.D. = 1.1 on 6 of 6 obs.

& SEP 07, 1993 16h 41m 52.57s
 34.268 N 116.451 W
 DEPTH = 0.5km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.5 (PAS). Felt.

PEC 0.70 238 iPd 42 05.75 -0.8
 PLM 0.97 201 iPd 42 11.00 -1.1
 eS 42 23.90

SSK 1.03 267 eP 42 11.84 -1.2
 eS 42 25.61
 GSC 1.07 344 ePc 42 12.80 -0.9
 GLA 1.82 131 iPc 42 23.13 -2.2

ISA 2.17 311 ePn 42 28.58 -1.9
 eS 43 00.07
 ABL 2.36 285 ePn 42 31.39 -2.0
 BCH 3.13 288 ePn 42 41.89 -2.3

PHAM 3.60 297 ePn 42 49.07 -1.6
 TNP 3.86 351 ePn 42 54.70 0.1
 MMPM 3.94 329 ePn 42 55.04 -0.8
 MEMM 3.95 330 (Pn) 42 53.65 -2.0

BONR 3.97 338 ePn 42 55.67 -0.7
 ARUT 4.28 34 ePn 42 58.57 -1.9
 ARN 5.15 308 eP 43 10.40 -2.4
 MSU 5.46 38 ePn 43 16.43 -1.0

16 obs. associated

? SEP 07, 1993 17h 12m 41.55± 0.86s

07d 17h

51.773 N ±11.5km 97.819 E ±14.9km DEPTH = 10.0km (geophysicist) 4.1mb (5 obs.) RUSSIA-MONGOLIA BORDER REGION (333)					0.8s 11.00nm 4.6mb CHTO 43.61 255 eP 37 57.80 0.5 GUN 48.67 275 P 38 38.20 0.5 0.6s 32.00nm 5.5mb KKN 49.20 275 P 38 42.00 0.4 0.6s 33.00nm 5.5mb WRA 59.79 190 P 39 59.50 0.9 0.6s 1.00nm 4.1mb GBA 63.15 266 P 40 22.00 0.6 HFS 72.53 336 eP 41 19.10 -0.3 0.6s 3.40nm 4.6mb Z 16s 0.03um 3.7MsZx LR 12 18.00 NB2 72.55 338 P 41 19.90 0.3 0.9s 4.80nm 4.5mb GEC2 81.50 329 eP 42 11.00 1.4 0.8s 0.62nm 3.7mb S.D. = 0.8 on 33 of 37 obs.					KHZ 4.92 202 P 24 37.60 0.0 S 25 33.20 S.D. = 0.5 on 20 of 20 obs. SEP 07, 1993 19h 12m 03.69± 0.56s 28.105 S ± 5.6km 26.890 E ± 7.2km DEPTH = 5.0km (geophysicist) REPUBLIC OF SOUTH AFRICA (584) ML 3.7 (PRE).				
GTA 12.44 173 eP 15 40.70 -0.9 Z 10s 0.64um sP 15 50.50 eS 17 48.00 BTO 13.99 138 eP 16 03.00 1.0 LZH 16.26 162 eP 16 31.50 -0.1 1.2s 20.00nm 4.1mb Z 10s 0.37um sP 16 39.50 BJI 17.29 126 eP 16 51.00 6.7X eLg 21 40.00 XAN 19.46 151 eP 17 10.10 -1.1 E 10s 0.70um CD2 21.30 166 eP 17 29.60 -0.9 GUN 25.47 205 P 18 13.00 1.4 KKN 25.74 206 P 18 13.80 -0.2 0.8s 19.00nm 4.8mb DMN 25.96 206 P 18 16.40 0.3 HFS 44.75 315 eP 20 55.80 -0.5 0.4s 1.30nm 4.1mb Z 16s 0.05um 3.6MsZx LR 40 44.00 NB2 45.38 317 P 21 01.20 -0.2 0.7s 1.90nm 4.2mb WRA 78.22 145 P 24 43.80 1.1 0.7s 1.30nm 4.1mb S.D. = 1.0 on 11 of 12 obs.					SEK 0.68 109 iPd 12 17.60 0.2 S 12 25.00 BLF 1.18 212 iPc 12 26.00 -0.2 S 12 42.50 BFS 1.21 356 iPc 12 27.00 0.3 S 12 45.00 PRY 1.28 24 iPd 12 29.00 1.0 S 12 39.50 SWZ 1.67 303 eP 12 36.00 2.2 S 12 53.00 FRS 2.14 220 iPd 12 41.00 0.5 S 13 07.00 KSR 2.23 0 iPc 12 32.00 -10.0X S 13 05.50 SLR 2.67 28 iPc 12 49.00 0.8 S 13 22.50 HVD 2.77 206 iPd 12 50.00 0.3 S 13 22.50 BFT 3.71 50 eP 13 03.00 0.0 S 13 47.00 PKA 3.95 246 eP 13 06.00 -0.3 GRM 5.20 183 eP 13 25.00 1.0 S 14 24.00 POF 6.22 257 eP 14 07.00 28.6X S 15 14.00 SUR 6.77 230 eP 13 44.20 -2.1 S 15 04.00 BUL 8.08 12 iPn 14 02.70 -2.0 iSn 15 28.50 iSg 16 17.00 CER 8.38 229 eP 14 05.50 -3.2X S 15 36.50 WIN 10.43 300 e(P) 14 33.00 -4.2X S 16 18.00 KRI 11.50 13 iPn 14 50.20 -1.6 iSn 16 50.50 iSg 18 01.80 MTD 12.07 22 ePn 14 41.00 -18.5X iSn 16 49.40 iSg 18 00.70 S.D. = 1.3 on 14 of 19 obs.									
SEP 07, 1993 17h 29m 53.73± 0.99s 39.526 N ± 5.8km 143.635 E ± 9.7km DEPTH = 28.8 ± 4.6 km 4.7mb (14 obs.) OFF EAST COAST OF HONSHU, JAPAN (229)					% SEP 07, 1993 17h 41m 11.51± 0.70s 26.806 S ± 6.3km 26.678 E ± 7.4km DEPTH = 5.0km (geophysicist) REPUBLIC OF SOUTH AFRICA (584) ML 2.4 (PRE).									
OFUJ 1.59 254 iP+ 30 20.20 0.0 AOMJ 2.71 293 eP 30 36.10 -0.1 HOOJ 2.87 355 eP 30 39.00 0.6 eS 31 10.20 YAMJ 3.12 245 iP+ 30 42.20 0.1 MRRJ 3.49 327 eP 30 48.80 1.5 eS 31 24.90 KUSJ 3.66 12 P 30 48.70 -1.0 eS 31 30.40 NIIJ 4.30 239 P 30 58.70 -0.1 KAKJ 4.30 221 P 30 57.90 -0.9 ASAJ 4.65 351 eP 31 03.40 -0.4 CHJJ 5.05 228 P 31 09.10 -0.5 MAT 5.22 237 iPc 31 12.30 0.4 0.7s 59.59nm 5.2mb X eS 32 13.00 MTMJ 5.46 239 P 31 15.60 0.3 IIDJ 6.08 230 P 31 24.20 0.1 S 32 35.30 TSRJ 7.27 239 P 31 41.30 0.7 MDJ 11.61 301 eP 32 40.20 -0.3 SSE 20.12 252 P 34 32.50 4.4X 1.2s 15.00nm 4.2mb Z 12s 0.50um 4.1MsZx BJI 21.08 280 eP 34 34.00 -3.9X 1.8s 50.00nm 4.6mb Z 16s 0.53um 4.0MsZx TIA 21.16 269 eP 34 35.10 -3.7X NJ2 21.40 257 eP 34 45.80 4.6X YAK 24.07 344 eP 35 06.10 -1.1 TIY 24.39 276 eP 35 11.40 0.8 WHN 25.51 258 ePc 35 21.00 -0.2 0.7s 25.00nm 4.9mb XAN 28.22 270 P 35 45.60 -0.5 1.0s 8.90nm 4.4mb pP 35 50.40 17kmX LZH 31.45 276 eP 36 12.50 -2.5 1.0s 39.00nm 5.2mb Z 12s 0.30um 4.2MsZx E 10s 0.23um GYA 33.40 258 iPc 36 31.00 -1.0 1.0s 18.00nm 4.9mb CD2 33.47 268 P 36 31.50 -1.0 GTA 33.58 284 P 36 33.50 0.0 1.0s 10.00nm 4.7mb Z 16s 0.57um 4.4MsZx KMI 37.10 260 Pd 37 03.50 -0.2 WMQ 41.33 295 P 37 39.20 0.7					BFS 0.13 134 iPc 41 15.20 0.8 S 41 16.60 KSR 0.96 12 eP 41 29.90 -0.4 S 41 42.00 SWZ 1.26 252 eP 41 36.00 0.5 S 41 54.00 SEK 1.73 151 eP 41 41.50 -1.1 S 42 02.50 SLR 1.79 54 iPc 41 43.90 0.4 S 42 04.00 BLF 2.33 191 eP 41 51.00 -0.3 S 42 19.00 FRS 3.17 202 eP 42 03.00 0.1 S.D. = 0.8 on 7 of 7 obs. % SEP 07, 1993 17h 59m 29.02± 0.84s 26.909 S ± 7.5km 26.867 E ± 10.0km DEPTH = 5.0km (geophysicist) REPUBLIC OF SOUTH AFRICA (584) ML 2.5 (PRE).									
					BFS 0.07 278 iPd 59 32.00 1.1 S 59 33.20 KSR 1.04 1 iPd 59 47.80 -1.4 S 00 03.00 SEK 1.56 155 eP 59 58.00 0.4 S 00 16.00 SLR 1.73 48 iPd 00 01.20 1.2 S 00 23.00 BLF 2.27 195 eP 00 07.10 -0.8 S 00 35.00 FRS 3.14 205 iPd 00 19.70 -0.4 S 00 55.00 S.D. = 1.4 on 6 of 6 obs.									
					% SEP 07, 1993 18h 23m 22.97± 2.37s 37.892 S ± 15.0km 176.074 E ± 9.3km DEPTH = 227.8 ± 21.1 km NORTH ISLAND, NEW ZEALAND (159)									
					URZ 0.90 115 P 23 53.90 -1.4 S 24 13.20 MOZ 1.17 238 P 23 57.40 0.4 PAHZ 1.23 142 P 23 57.10 -0.4 NOZ 1.71 116 P 24 01.40 0.2 TTH 1.75 161 P 24 02.20 0.6 HBZ 1.79 81 P 24 02.10 0.2 WAHZ 1.82 173 P 24 02.40 0.1 MAHZ 1.92 133 P 24 04.00 0.8 BSZ 2.10 205 eP 24 05.20 0.3 TEHZ 2.17 165 P 24 05.80 0.2 PGZ 2.73 177 P 24 11.40 0.0 MNG 2.76 189 P 24 11.90 0.0 S 24 44.80 KIW 3.10 197 P 24 15.40 -0.3 MTW 3.29 188 P 24 17.40 -0.5 CAW 3.31 193 P 24 17.80 -0.2 DIW 3.35 209 P 24 19.00 0.4 MRW 3.50 197 P 24 19.80 -0.5 S 25 00.10 MOW 3.58 190 P 24 20.90 -0.4 TCW 3.60 202 P 24 21.60 0.2									
					SAP 0.66 291 eP 10 49.00 0.4 iS 11 04.70 MRRJ 0.91 244 iP+ 10 51.00 0.5 iS 11 08.60 HOOJ 0.93 118 P 10 51.20 0.5 S 11 08.80 ASAJ 1.33 15 P 10 54.60 0.1 eS 11 14.90 KUSJ 1.88 81 P 11 00.80 0.3 S 11 25.00 YSS 4.21 5 iPnd 11 30.10 -0.2 iS 12 17.20 NIIJ 6.09 205 P 11 55.50 -0.1 S 13 04.30 KAKJ 6.79 194 P 12 01.60 -3.5X S 13 13.60 MAT 6.98 207 iPc 12 07.50 -0.2 1.0s 130.00nm 5.3mb eS 13 23.00 MTMJ 7.09 210 P 12 09.70 0.5 CHJJ 7.20 201 P 12 09.50 -1.2 S 13 30.00 IIDJ 8.05 206 P 12 20.80 -1.3 S 13 47.70 MDJ 9.29 285 Pc 12 39.00 0.5 CN2 12.23 280 eP 13 16.60 -0.4 1.0s 8.40nm 4.2mb SKR 12.34 46 ePn 13 17.30 -1.2 MGD 18.08 14 eP 14 25.00 -4.7X									

07d 20h

BJI	1.0s	200.00nm	5.4mb
YAK	19.67	271 eP	15 00.50 14.1X
	20.60	343 iPc	14 51.00 -4.6X
	0.8s	78.00nm	5.2mb
		eS	18 27.00
HHC	22.83	275 eP	15 21.40 3.4X
TIY	23.19	267 eP	15 24.40 3.0X
GTA	31.85	278 eP	16 40.20 0.3
	1.0s	7.00nm	4.4mb
UER	33.29	302 eP	16 52.00 0.0
KMI	36.77	254 eP	17 23.00 0.9
WMQ	39.04	291 P	17 41.20 0.5
	1.0s	6.20nm	4.3mb
RSO	42.10	42 eP	18 06.14 0.4
CRP	42.31	41 eP	18 07.66 0.2
FBA	43.96	35 iPc	18 20.08 -0.5
	0.8s	18.72nm	4.8mb
TSM	44.03	216 eP	18 14.00 -7.5X
KLU	45.26	40 eP	18 30.73 -0.2
BALM	47.04	40 eP	18 44.82 -0.3
GUN	47.42	271 P	18 49.40 0.7
	0.4s	18.00nm	5.1mb
KKN	47.92	271 P	18 53.00 0.6
	0.6s	16.00nm	4.9mb
DMN	48.15	271 P	18 55.00 0.7
INK	49.01	29 ePd	18 59.40 -0.6
	0.5s	6.00nm	4.6mb
SVE	51.30	316 iPc	19 17.00 -0.6
	1.2s	40.00nm	5.1mb
ARU	52.50	316 ePc	19 26.00 -0.5
	1.0s	50.00nm	5.3mb
YKA	58.55	32 eP	20 08.70 -1.1
	0.7s	10.20nm	4.9mb
SDF	59.92	336 iP	20 17.20 -1.9
GBA	62.38	263 P	20 36.00 -0.2
WRA	62.87	188 P	20 39.20 -0.1
	0.6s	1.30nm	4.0mb
KAF	63.46	332 iP	20 41.10 -1.7
	0.4s	7.10nm	4.9mb
KMOR	63.67	51 P	20 45.26 0.8
OBN	63.85	322 iP	20 44.00 -1.4
	1.0s	25.00nm	5.1mb
FMW	63.95	49 P	20 46.62 0.2
WTV	64.45	48 P	20 48.91 -0.6
ASR	64.45	50 P	20 50.01 0.4
SSOR	64.71	52 P	20 51.92 0.6
SAW	64.74	48 P	20 50.86 -0.5
NUR	65.14	331 iP	20 52.20 -1.4
	0.4s	22.70nm	5.5mb
CROR	65.48	51 P	20 56.60 0.4
VIPM	65.97	51 P	20 59.78 0.3
ASPA	66.60	188 eP	21 02.20 -1.1
	1.4s	4.10nm	4.1mb
HFS	69.07	335 eP	21 16.90 -1.3
	0.4s	24.40nm	5.4mb
NB2	69.09	337 P	21 17.30 -1.1
	0.7s	21.80nm	5.1mb
NAO	69.37	337 P	21 16.10 -4.0X
LRM	69.65	46 eP	21 22.40 0.0
CMB	70.10	56 eP	21 24.96 -0.1
	0.8s	5.03nm	4.4mb
ISA	72.80	57 eP	21 40.31 -0.8
	0.8s	2.60nm	4.0mb
BW06	73.23	47 iPc	21 43.68 0.0
	0.6s	4.46nm	4.4mb
ULM	74.37	34 eP	21 52.00 2.2
OJC	74.57	326 eP	21 43.20 -7.8X
	1.0s	21.00nm	4.8mb
		i	21 51.00
		e	21 52.80
RSSD	75.16	43 eP	21 54.53 -0.2
	0.8s	11.29nm	4.7mb
SPC	75.17	325 eP	21 53.90 -0.8
KSP	75.50	328 eP	21 56.40 0.1
CLL	76.37	330 iP	22 00.70 -0.4
	1.0s	13.00nm	4.6mb
PV10	76.55	50 ePc	22 03.10 0.4
PV08	76.63	50 eP	22 03.32 0.0
PRU	76.86	328 P	22 04.40 0.6
ZST	77.26	326 eP	22 25.10 19.0X
EKA	77.87	341 Pd	22 09.60 0.3
	0.6s	5.50nm	4.5mb
KHC	77.92	328 P	22 10.40 0.6
	1.0s	5.40nm	4.2mb
		e	22 47.00
WTS	77.96	334 eP	22 10.00 0.2
	0.7s	11.00nm	4.7mb

GEC2	78.10	328 ePc	22 10.50 -0.4
	0.5s	0.93nm	3.8mb
		e	22 16.50
		e	22 21.80
GRF	78.35	330 iPc	22 12.90 0.8
	0.7s	11.00nm	4.7mb
ENN	79.29	333 eP	22 17.00 -0.1
	0.8s	7.10nm	4.5mb
KBA	79.68	327 iPd	22 20.10 0.6
	0.9s	5.70nm	4.3mb
		i	22 29.10
WATA	80.16	328 iPd	22 22.40 0.4
WTTA	80.20	328 iPc	22 22.50 0.2
	0.6s	3.80nm	4.3mb
MOTA	80.33	329 iPc	22 23.10 0.2
	0.9s	9.30nm	4.5mb
SQTA	80.40	329 iPc	22 23.10 -0.1
ALQ	80.45	51 ePc	22 24.58 0.7
	0.8s	3.97nm	4.2mb
CDF	80.84	331 eP	22 25.30 -0.2
	0.9s	3.30nm	4.1mb
LOR	83.00	333 iPc	22 36.40 -0.2
	0.9s	8.50nm	4.6mb
LDF	83.10	336 eP	22 37.40 0.3
	0.8s	7.80nm	4.6mb
LBF	83.21	333 iPc	22 37.50 -0.2
	1.0s	13.20nm	4.7mb
SSF	83.30	333 iPc	22 38.10 0.0
	0.6s	4.25nm	4.5mb
LPL	83.51	330 iPc	22 39.80 0.3
	0.9s	8.70nm	4.6mb
LPG	83.52	330 iPc	22 40.10 0.5
	0.7s	6.05nm	4.5mb
SMF	83.55	333 iPc	22 39.50 0.1
	1.2s	28.25nm	5.0mb
AVF	83.59	333 iPc	22 39.80 0.2
	0.8s	12.65nm	4.8mb
LPF	83.88	336 eP	22 41.30 0.3
	0.6s	5.50nm	4.6mb
MAF	84.35	333 iPc	22 44.10 0.7
	0.6s	8.30nm	4.8mb
TCF	84.41	333 iPc	22 44.10 0.3
	1.0s	9.40nm	4.6mb
SBF	84.66	329 iPc	22 44.60 -0.5
	0.8s	22.45nm	5.1mb
LSF	84.67	334 iPc	22 45.30 0.3
	0.7s	10.70nm	4.8mb
WMOK	84.83	46 eP	22 46.12 0.0
	0.7s	4.93nm	4.5mb
MFF	84.89	335 eP	22 46.10 0.0
	1.1s	14.40nm	4.7mb
LRG	85.41	329 eP	22 48.20 -0.5
	0.8s	15.05nm	4.9mb
LMR	85.46	329 iPc	22 48.90 -0.1
	0.8s	12.20nm	4.8mb
CAF	85.66	333 iPc	22 51.20 1.2
	0.7s	9.70nm	4.8mb
LPO	86.17	333 iPc	22 53.30 0.8
	1.1s	22.20nm	4.9mb
MIAR	87.68	43 eP	22 59.89 0.0
	0.8s	5.22nm	4.6mb
EPF	87.91	333 eP	23 01.50 0.5
	0.8s	4.05nm	4.5mb
LMN	88.50	18 eP	23 04.00 0.3
LPZ	143.01	54 PKP	29 42.70 -3.1X
LPB	143.22	54 ePKP	29 43.00 -2.9X
SOB1	146.40	5 ePKP	29 52.40 1.5
SIV	146.67	44 PKP	29 51.30 0.1
BAO	151.53	21 ePKP	30 05.10 6.2X
		i	30 15.00
		S.D. = 0.7 on 96 of 109 obs.	
SEP 07, 1993 20h 14m 09.23± 0.84s			
41.119 N ± 5.8km 19.787 E ± 10.3km			
DEPTH = 10.0km (geophysicist)			
ALBANIA (391)			
ML 2.2 (TIR).			
TIR	0.24	14 iPg	14 13.50 -0.8
		iSg	14 17.50
VLO	0.69	199 ePg	14 23.50 0.7
OHR	0.76	90 iPg	14 24.20 0.0
		iSg	14 37.50
TPE	0.84	168 ePg	14 24.50 -0.9
SDA	0.96	347 ePg	14 27.50 0.1
		iSg	14 40.50
SKO	1.51	55 iPn	14 37.20 0.9

		iSg	14 58.50
		Lg	15 01.20
S.D. = 1.0 on 6 of 6 obs.			
* SEP 07, 1993 20h 18m 12.40± 1.69s			
10.181 N ± 9.3km 126.299 E ± 17.9km			
DEPTH = 45.7 ± 15.4 km			
4.2mb (3 obs.)			
PHILIPPINE ISLANDS REGION (248)			
PLP	1.62	307 eP	18 38.80 -0.2
BIP	1.94	181 iPc	18 43.50 -0.1
MAP	2.29	274 iPc	18 50.00 1.6
		iS	19 16.00
CGP	2.33	223 iPd	18 48.00 -1.1
		iS	19 14.50
CTB	3.62	215 eP	19 18.00 10.7X
GQP	5.28	315 eP	19 30.50 -0.4
SSE	21.35	348 P	22 58.00 0.2
WRA	30.96	165 P	24 28.60 0.9
	0.5s	0.80nm	3.7mb
ASPA	34.45	168 eP	25 01.60 3.6X
	0.4s	4.00nm	4.7mb
STK	44.31	161 eP	26 19.70 0.0
	9.7s	1.70nm	
GBA	47.88	279 P	26 48.00 -0.2
GEC2	96.78	322 eP	31 39.10 -0.6
	0.6s	0.57nm	4.2mb
		e	31 48.70
		e	31 58.20
S.D. = 0.9 on 10 of 12 obs.			
& SEP 07, 1993 21h 10m 16.26s			
63.427 N 151.080 W			
DEPTH = 8.6km			
CENTRAL ALASKA (1)			
<AEIC>. ML 2.8 (AEIC), 3.0 (PMR).			
KTH	0.15	29 iP	10 19.36 -0.2
TRF	0.36	86 iP	10 23.42 -0.2
		eS	10 29.05
HUR	0.79	124 iP	10 31.16 -0.7
RND	1.00	90 eP	10 34.67 -0.8
		eS	10 48.79
MCK	1.01	71 eP	10 35.32 -0.2
		eS	10 50.49
BWN	1.04	43 eP	10 35.88 -0.1
		eS	10 51.44
NEA	1.45	36 eP	10 42.25 -0.5
		eS	10 01.36
SKT	1.47	188 iP	10 42.53 -0.4
		eS	10 01.81
MLY	1.62	5 eP	10 43.47 -1.7
		eS	10 05.88
DHY	1.71	100 eP	10 46.53 -0.1
		eS	10 10.31
PWA	1.87	162 P	10 48.50 -0.2
CCB	1.89	48 eP	10 46.51 -2.5
		eS	10 10.60
GHO	1.94	148 eP	10 49.25 -0.5
SUA	1.98	175 eP	10 49.78 -0.6
PLRM	2.05	153 eP	10 50.85 -0.5
PMR	2.05	153 eP	10 50.44 -0.9
SML	2.06	141 iP	10 50.53 -1.0
FBA	2.06	43 eP	10 53.18 1.6
HDA	2.07	60 eP	10 51.38 -0.3
		eS	10 19.03
NCG	2.09	194 eP	10 51.57 -0.5
CGLM	2.17	192 eP	10 53.20 0.0
CRP	2.23	194 eP	10 53.26 -0.8
		eS	10 22.96
CP2	2.24	195 eP	10 53.96 -0.3
GLM	2.25	44 eP	10 53.15 -1.1
BGL	2.26	196 eP	10 54.25 -0.2
TTA	2.29	260 eP	10 54.63 -0.3
		eS	10 25.22
CKT	2.30	194 eP	10 55.34 0.3
SPU	2.30	192 eP	10 55.09 0.1
		eS	10 25.20
PMS	2.30	161 P	10 55.50 0.4
SCM	2.36	131 eP	10 55.43 -0.5
BKG	2.43	194 eP	10 56.43 -0.4
TOA	2.62	118 P	10 59.50 0.0
SDG	2.68	107 eP	10 00.52 0.0
NKA	2.70	182 eP	10 03.57 3.0
CFI	2.73	144 eP	10 01.84 0.8

07d 21h

PTE 2.75 159 eP 11 01.66 0.4
 IMA 2.88 338 P 11 01.60 -1.7
 PWL 2.88 152 eP 11 03.08 -0.2
 RDT 2.93 193 eP 11 04.70 0.7
 DFR 2.94 196 eP 11 05.07 0.9
 SLKM 2.96 172 eP 11 04.75 0.4
 NCT 3.01 198 eP 11 06.01 1.0
 RDN 3.03 196 eP 11 04.39 -1.0
 REF 3.05 195 eP 11 05.38 -0.3
 MPA 3.06 164 eP 11 07.44 1.8
 RDW 3.07 196 eP 11 06.64 0.7
 RS2 3.08 196 eP 11 07.16 1.0
 RSO 3.08 196 eP 11 07.04 0.9
 KLU 3.08 127 eP 11 06.16 0.0
 SVW 3.15 224 eP 11 08.34 1.3
 VZW 3.18 136 eP 11 07.78 0.3
 VLZ 3.20 134 eP 11 08.32 0.7
 FID 3.45 139 eP 11 11.56 0.3
 LTI 3.73 154 eP 11 14.56 -0.7
 CNPM 3.92 181 eP 11 18.74 0.8
 GLB 3.92 117 eP 11 18.60 0.6

56 obs. associated

& SEP 07, 1993 21h 13m 19.64s
 63.558 N 150.714 W
 DEPTH = 9.0km
 CENTRAL ALASKA (1)
 <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).

KTH 0.09 267 iP 13 21.99 -0.2
 TRF 0.22 119 iP 13 24.53 0.1
 HUR 0.76 140 iP 13 33.90 -0.7
 S 13 44.10
 MCK 0.81 77 eP 13 35.34 -0.2
 ES 13 47.26
 BWN 0.83 41 eP 13 36.29 0.5
 RND 0.85 100 iP 13 35.54 -0.6
 ES 13 46.83
 NEA 1.25 34 eP 13 43.43 0.4
 ES 13 59.65
 MLY 1.48 360 eP 13 45.62 -0.9
 ES 14 04.47
 DHY 1.58 106 eP 13 48.63 0.6
 SKT 1.63 194 iP 13 48.44 -0.1
 ES 14 10.61
 CCB 1.68 48 eP 13 47.49 -1.8
 MDM 1.78 37 eP 13 49.79 -1.0
 FBA 1.86 42 eP 13 53.18 1.3
 ES 14 14.89
 HDA 1.86 61 eP 13 51.24 -0.7
 PWA 1.95 168 P 13 52.40 -0.8
 GHO 1.97 154 eP 13 53.22 -0.4
 GLM 2.04 44 eP 13 55.13 0.5
 SML 2.07 147 iP 13 54.35 -0.7
 SUA 2.10 180 eP 13 55.42 -0.1
 PLRM 2.11 159 eP 13 54.00 -1.4
 PMR 2.10 159 eP 13 54.47 -1.0
 NCG 2.26 198 eP 13 57.71 -0.2
 SCM 2.33 136 eP 13 58.14 -0.7
 CGLM 2.34 195 eP 13 58.86 -0.1
 PMS 2.38 166 P 13 59.50 0.0
 CRP 2.40 197 eP 14 00.11 0.3
 CP2 2.41 198 eP 13 59.41 -0.6
 BGL 2.43 199 eP 14 01.13 0.9
 SPU 2.47 195 eP 14 00.51 -0.2
 TTA 2.48 258 eP 14 00.37 -0.5
 TOA 2.54 123 P 14 02.50 0.7
 SDG 2.57 111 eP 14 02.69 0.5
 BKG 2.60 197 eP 14 02.25 -0.4
 CFI 2.75 149 eP 14 05.09 0.4
 PTE 2.82 163 eP 14 05.29 -0.3
 NKA 2.84 185 eP 14 09.25 3.4
 PWL 2.93 157 eP 14 07.79 0.6
 KLU 3.04 131 eP 14 09.61 0.8
 SLKM 3.07 175 eP 14 09.66 0.4
 MPA 3.15 168 eP 14 09.93 -0.3
 VZW 3.17 140 eP 14 11.04 0.3
 VLZ 3.18 138 eP 14 10.88 0.2
 NCT 3.18 200 eP 14 12.45 1.6
 REF 3.22 198 eP 14 11.44 -0.1
 RDW 3.24 199 eP 14 12.40 0.6
 RSO 3.25 198 eP 14 14.20 2.2
 FID 3.45 143 eP 14 15.08 0.5
 HIN 3.74 146 eP 14 18.46 -0.4
 LTI 3.78 158 eP 14 18.49 -0.8
 GLB 3.84 120 eP 14 20.83 0.6

CNPM 4.05 184 eP 14 24.20 1.0
 HMT 4.44 134 eP 14 28.22 -0.5
 52 obs. associated

* SEP 07, 1993 21h 31m 57.93±1.40s
 38.485 N ± 7.0km 20.417 E ±15.1km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 ML 3.0 (THE). MD 3.1 (ATH).

VLS 0.34 156 ePg 32 05.00 0.1
 eSg 32 12.50
 IGT 1.05 356 ePg 32 18.06 0.4
 eSg 32 33.86
 KEK 1.32 339 ePn 32 35.00 12.7X
 eSn 33 02.20
 AGG 1.59 70 ePb 32 25.90 -0.3
 eSb 32 45.00
 LIT 2.28 44 ePn 32 37.42 1.2
 iSn 33 03.22
 OHR 2.64 6 ePn 32 40.50 -0.8
 VLI 2.67 131 ePg 32 50.00 8.3X
 SOH 3.25 43 ePn 32 50.54 0.5
 eSn 33 26.46
 KNT 3.29 35 ePn 32 50.40 -0.1
 OUR 3.32 55 iPn 32 49.98 -1.0
 S.D. = 0.9 on 8 of 10 obs.

* SEP 07, 1993 22h 58m 26.34±0.81s
 10.960 S ± 9.4km 112.426 E ±20.0km
 DEPTH = 33.0km (normal)
 4.0mb (2 obs.) 4.2MsZ (1 obs.)
 SOUTH OF JAWA, INDONESIA (282)

TRT 3.24 4 iPc 59 15.40 -0.7
 iS 59 54.20
 SJI 3.27 348 ePd 59 12.50 -4.0X
 eS 59 53.50
 KHKI 4.06 51 eP 59 34.80 7.1X
 eS 00 18.70
 e 02 23.00
 MBL 12.39 146 eP 01 24.00 0.7
 0.4s 9.00nm 5.2mb X
 eS 04 32.00
 MEEK 16.65 160 eP 02 18.00 -0.9
 eS 05 11.00
 MRWA 18.47 170 eP 02 46.00 4.5X
 eS 06 00.00
 CTB 21.51 34 eP 03 15.00 0.3
 WB2 22.92 116 iPd 03 36.90 8.2X
 0.6s 2.90nm 3.9mb
 STK 34.03 132 eP 05 14.40 4.9X
 0.9s 2.40nm 4.1mb
 GBA 42.43 304 P 06 26.00 6.1X
 NJ2 43.21 8 eP 06 44.20 18.2X
 Z 20s 0.30um 4.2MsZ
 DMN 46.59 326 P 06 53.80 0.2
 KKN 46.64 326 P 06 54.20 0.3
 S.D. = 0.8 on 6 of 13 obs.

SEP 07, 1993 23h 01m 58.88±0.47s
 11.937 N ± 7.4km 124.125 E ±10.3km
 DEPTH = 26.5km (3 depth phases)
 4.5mb (7 obs.) 4.0MsZ (2 obs.)
 LEYTE, PHILIPPINE ISLANDS (256)

PLP 1.14 132 iPc 02 19.50 0.4
 GQP 2.55 320 ePd 02 38.50 -0.9
 eS 03 09.00
 PGP 3.46 297 iPc 02 51.50 -0.9
 CGP 3.51 171 iPc 03 19.00 26.0X
 iS 03 55.00
 TGY 3.78 305 ePd 02 58.50 1.6
 DAV 5.03 163 eP 03 22.00 7.5X
 CVP 6.15 339 eP 03 30.00 -0.4
 TSM 9.80 220 ePc 04 21.20 0.0
 SSE 19.26 352 eP 06 26.50 2.2
 KMI 24.10 306 eP 07 15.50 1.8
 1.6s 40.00nm 4.7mb
 pP 07 21.00 20km
 TIA 24.98 347 eP 07 21.80 -0.1
 XAN 26.01 330 P 07 30.10 -1.4
 0.8s 6.90nm 4.3mb
 Z 15s 1.13um 4.5MsZ
 pP 07 38.30 29km
 CD2 26.67 318 eP 07 37.40 -0.3
 BJI 28.86 347 eP 07 56.00 -1.3

Z 20s 0.30um 3.9MsZ
 LZH 30.22 326 eP 08 09.50 -0.3
 Z 20s 0.40um 4.1MsZ
 E 12s 0.27um
 pP 08 18.50 31km
 WB2 33.24 162 iPc 08 34.80 -1.4
 0.8s 3.80nm 4.4mb
 GTA 34.83 326 eP 08 49.80 -0.1
 2.5s 19.00nm 4.6mb
 Z 17s 0.51um 4.3MsZ
 N 15s 0.35um
 ASPA 36.65 165 eP 09 04.20 -1.1
 0.8s 11.60nm 4.8mb
 GBA 45.51 277 P 10 27.00 8.7X
 STK 46.67 159 iPc 10 27.70 0.5
 0.8s 6.50nm 4.7mb
 BRS 47.97 145 iP 10 41.00 3.5X
 ADE 48.65 164 e(P) 10 44.30 1.6
 DZM 53.53 129 iPc 11 19.60 -0.3
 MAIO 62.62 305 eP 12 29.00 5.4X
 HFS 89.60 332 eP 14 55.70 0.4
 0.4s 1.00nm 4.4mb
 S.D. = 1.2 on 20 of 25 obs.

* SEP 08, 1993 00h 14m 04.28±1.17s
 33.597 S ± 8.0km 70.488 W ±11.8km
 DEPTH = 28.4 ± 9.3 km
 CHILE-ARGENTINA BORDER REGION (127)
 MD 3.1 (SAN).

PCH 0.03 221 iP 14 08.86 -0.4
 iS 14 10.72
 FCH 0.32 32 iP 14 12.94 0.8
 iS 14 18.47
 TACH 0.38 261 iP 14 13.60 0.8
 iS 14 19.44
 PEL 0.48 340 (P) 14 20.00 5.6X
 iS 14 24.19
 CACH 0.53 190 iP 14 15.00 -0.2
 iS 14 21.82
 ROCH 0.76 325 (P) 14 20.00 0.9
 iS 14 32.17
 LNV 0.85 245 iP 14 20.60 0.4
 iS 14 31.77
 LCCH 0.91 277 (P) 14 20.00 -1.1
 iS 14 34.80
 JACH 0.92 354 (P) 14 20.00 -1.3
 iS 14 36.18
 S.D. = 1.1 on 8 of 9 obs.

& SEP 08, 1993 00h 19m 54.67s
 33.626 N 119.041 W
 DEPTH = 12.0km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.1 (PAS).

LPC 1.03 327 P 20 13.40 -0.7
 RYS 1.05 346 P 20 14.00 -0.4
 ABL 1.23 353 iPd 20 16.42 -1.1
 FTC 1.25 6 P 20 17.05 -0.7
 SSK 1.26 62 eP 20 16.43 -1.7
 eS 20 34.49
 PLEC 1.34 359 P 20 18.97 -0.2
 MARC 1.40 350 P 20 19.39 -0.5
 PKM 1.42 333 P 20 19.52 -0.9
 ARVC 1.51 7 P 20 21.12 -0.4
 TMB 1.51 344 P 20 22.34 0.7
 PEC 1.59 80 ePn 20 20.16 -2.5
 eS 20 43.62
 SCCM 1.61 325 P 20 22.40 -0.6
 CRGC 1.71 341 P 20 24.15 -0.4
 BCH 1.78 331 eP 20 24.54 -1.0
 PLM 1.84 98 eP 20 23.89 -2.6
 ISA 2.09 13 ePn 20 28.38 -1.5
 PHAM 2.47 333 eP 20 33.40 -2.0
 GSC 2.49 47 ePn 20 34.58 -1.2
 eS 21 11.85
 BONR 4.36 8 ePg 21 14.41 11.9
 19 obs. associated

& SEP 08, 1993 00h 30m 19.66s
 61.679 N 152.101 W
 DEPTH = 127.5km
 SOUTHERN ALASKA (2)
 <AEIC>.
 NCG 0.28 186 iP 30 36.92 0.8

	eS	30	50.21		BCH	3.52	261	ePn	02	40.99	-0.2	DFR	1.37	14	ePc	30	30.80	-0.7				
CGLM	0.38	173	eP	30	37.30	-0.9	PHAM	3.70	271	(Pn)	02	44.71	1.0		eS	30	49.12					
SKT	0.41	42	iP	30	37.39	-0.8	MSU	3.97	47	ePn	02	47.10	-0.6	RDT	1.39	20	iPc	30	30.87	-1.0		
	eS	30	50.80		CMB	4.25	302	(Pn)	02	52.01	0.5		eS	30	49.07							
CRP	0.41	184	eP	30	37.78	-0.7		eS	03	57.82		KDC	1.59	163	ePd	30	32.59	-1.7				
	eS	30	51.56		ARN	4.82	290	ePn	02	59.13	-0.5	NKA	1.82	35	eP	30	38.04	0.8				
CP2	0.42	189	eP	30	37.76	-0.8		eS	04	15.49		BKG	1.89	16	eP	30	37.71	-0.5				
	eS	30	52.13		DUG	4.97	28	ePn	03	02.54	0.8	SLKM	2.01	51	eP	30	38.49	-1.3				
BGL	0.44	199	eP	30	37.70	-0.8		eS	04	20.28		CKT	2.02	16	eP	30	39.26	-0.7				
CKT	0.48	186	eP	30	37.74	-1.0	SRU	5.35	51	ePn	03	07.87	0.6	SPU	2.03	18	ePc	30	39.17	-0.8		
SFU	0.50	177	eP	30	37.77	-1.0	TUC	5.48	128	ePn	03	08.82	-0.2	BGL	2.06	13	eP	30	40.06	-0.4		
BKG	0.62	187	eP	30	38.69	-0.8	EMUT	5.62	44	ePn	03	12.30	1.1	CP2	2.08	15	eP	30	40.03	-0.8		
	eS	30	53.50		DAU	5.83	37	(Pn)	03	15.07	1.0		eS	31	02.87							
SUA	0.68	108	eP	30	39.95	-0.1	PV09	5.98	62	ePn	03	16.00	-0.3	CRP	2.09	16	eP	30	39.78	-1.2		
	eS	30	55.42		PV10	6.00	63	ePn	03	15.82	-0.7	CGLM	2.15	18	ePd	30	41.19	-0.5				
NKA	1.03	156	eP	30	44.20	1.3	BW06	8.47	33	eP	03	50.55	-0.6	SEW	2.15	65	eP	30	39.95	-1.6		
RDT	1.12	188	eP	30	43.19	-0.7	S.D. = 0.6 on 31 of 31 obs.												eS	31	05.44	
DFR	1.13	195	eP	30	43.36	-0.6	% SEP 08, 1993 01h 05m 21.01± 2.76s					SVW	2.16	329	ePd	30	40.62	-1.2				
NCT	1.19	200	eP	30	44.04	-0.6	45.178 S ± 8.6km 166.510 E ±24.3km					NCG	2.22	15	eP	30	42.08	-0.6				
	eS	31	03.04		DEPTH = 64.4 ± 29.8 km							MPA	2.36	57	eP	30	42.88	-1.5				
REF	1.23	194	eP	30	44.72	-0.4	OFF W. COAST OF S. ISLAND, N.Z. (161)						eS	31	09.97							
	eS	31	03.81		MSZ	1.13	64	P	05	40.30	-0.8	SUA	2.56	29	eP	30	46.70	-0.5				
RDW	1.25	196	eP	30	44.95	-0.4		eS	05	55.10			eS	31	17.24							
RS2	1.26	195	eP	30	45.04	-0.5	TLC	1.81	91	P	05	50.60	-0.1	PTE	2.70	52	eP	30	47.40	-1.6		
RSO	1.26	195	eP	30	44.94	-0.6	MMCZ	1.87	86	P	05	51.60	0.2		eS	31	18.46					
PMS	1.30	109	P	30	45.50	-0.2	CMCZ	1.96	90	P	05	53.10	0.5	PMS	2.74	42	P	30	48.50	-1.1		
	S	31	05.80		MHZ	1.96	88	P	05	53.10	0.4	SKT	2.86	18	eP							

08d 01h

GSC 1.26 18 iPd 47 47.11 -0.8
eS 48 04.33
SNDG 1.33 321 P 47 48.58 -0.7
ARVC 1.63 309 P 47 54.45 0.9
ABL 1.77 295 eP 47 54.69 -1.0
eS 48 17.29
ISA 1.84 328 eP 47 55.22 -1.4
MARC 1.92 298 P 47 57.88 0.2
PKM 2.24 291 P 48 02.23 -0.3
GLA 2.30 116 (P) 48 01.88 -1.5
BCH 2.55 296 eP 48 05.47 -1.4
12 obs. associated

SEP 08, 1993 03h 09m 02.38± 0.43s
40.761 N ± 5.1km 21.909 E ± 3.7km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 3.3 (THE), 3.0 (TIR). MD 3.2
(ATH).

FNA 0.41 273 ePg 09 09.74 -1.0
iSg 09 15.58
GRG 0.42 62 ePg 09 11.56 0.6
eSg 09 17.16
KZN 0.47 193 ePg 09 10.00 -1.9
LIT 0.79 146 iPg 09 16.92 -0.9
eSg 09 30.09
THE 0.81 99 ePg 09 18.24 0.1
iSg 09 31.62
KNT 0.85 62 iPg 09 19.21 0.4
OHR 0.91 293 iPg 09 18.50 -1.4
iSg 09 32.10
Lg 09 35.00
SOH 1.10 86 iPg 09 23.64 0.6
SRS 1.32 74 ePb 09 27.05 0.2
iSb 09 45.01
TPE 1.52 253 ePn 09 29.50 -0.1
PAIG 1.59 121 ePb 09 30.76 0.2
eSb 09 52.16
OUR 1.64 104 iPb 09 31.98 0.7
eSb 09 54.64
TIR 1.65 291 ePn 09 33.50 2.0
iSn 09 59.00
SRN 1.70 240 ePn 09 35.50 3.2X
AGG 1.77 169 ePb 09 32.92 -0.3
VLO 1.86 262 ePn 09 35.10 0.6
KEK 1.93 238 ePn 09 40.90 5.4X
eSb 10 04.00
BCI 2.12 320 ePn 09 37.80 -0.5
SDA 2.23 306 ePn 09 41.40 1.6
iSn 10 12.00
VLS 2.78 202 ePn 09 50.00 2.3
ALN 3.14 86 ePn 09 52.66 -0.1
MLR 5.57 31 ePc 10 26.00 -1.5
VRI 6.20 33 ePd 10 34.50 -1.6
S.D. = 1.2 on 21 of 23 obs.

? SEP 08, 1993 03h 33m 10.99± 6.20s
39.496 N ± 42.2km 23.663 E ± 22.3km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 2.9 (THE).

PAIG 0.43 2 ePg 33 19.46 -0.3
eSg 33 28.22
OUR 0.87 16 iPg 33 27.29 -0.5
iSg 33 41.41
LIT 1.09 304 ePb 33 30.98 -0.5
SOH 1.35 350 ePb 33 36.82 1.0
eSb 33 54.50
SRS 1.62 358 ePb 33 39.52 -0.2
KNT 1.76 341 ePb 33 42.14 0.4
eSb 34 07.18
S.D. = 0.8 on 6 of 6 obs.

% SEP 08, 1993 04h 07m 40.69± 0.65s
44.318 N ± 5.8km 7.414 E ± 6.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.8 (GEN).

ENR 0.09 177 P 07 43.52 0.1
S 07 45.12
STV 0.10 221 P 07 43.61 0.1
S 07 45.16
PZZ 0.29 310 P 07 46.86 0.0
S 07 51.11

ROB 0.33 94 P 07 47.87 0.3
S 07 53.17
IMI 0.53 140 P 07 51.02 -0.5
S 07 57.89
BHB 0.53 348 P 07 51.34 -0.2
S 07 58.62
S.D. = 0.4 on 6 of 6 obs.

SEP 08, 1993 04h 13m 19.53± 0.64s
26.779 S ± 5.8km 26.626 E ± 7.1km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 2.9 (PRE). mblg 2.9 (BUL).

BFS 0.18 130 iPc 13 25.30 1.9
S 13 26.70
PRY 0.77 101 eP 13 33.50 -1.6
S 13 42.00
KSR 0.94 15 iPc 13 38.50 0.4
S 13 53.00
SEK 1.78 150 eP 13 51.00 -0.2
S 14 12.50
SLR 1.81 55 iPd 13 52.10 0.3
S 14 12.00
BLF 2.35 189 iPd 13 59.90 0.3
S 14 28.00
FRS 3.18 201 iPd 14 12.00 0.9
S 14 47.50
BFT 3.26 71 eP 14 11.40 -1.1
S 14 39.40
HVD 3.94 194 eP 14 21.90 -0.2
S 15 09.50
BUL 6.85 16 iPn 15 04.00 0.7
iSn 16 17.00
iSg 16 52.70
SUR 7.53 221 eP 15 12.00 -0.9
S 16 34.00
CER 9.13 222 eP 15 34.00 -0.9
S 17 25.00
S.D. = 1.1 on 12 of 12 obs.

% SEP 08, 1993 04h 16m 09.85± 2.21s
46.118 S ± 10.3km 166.815 E ± 19.5km
DEPTH = 143.8 ± 9.8 km
OFF W. COAST OF S. ISLAND, N.Z. (161)

SIZ 1.18 130 Pd 16 35.90 -0.1
MSZ 1.64 29 P 16 39.90 -0.9
S 16 58.90
TLC 1.83 60 P 16 43.30 0.1
TUZ 1.97 86 P 16 45.00 0.4
S 17 06.70
MMCZ 1.97 56 P 16 45.20 0.4
CMCZ 1.98 62 P 16 45.00 0.1
eS 17 06.50
MHZ 2.03 59 P 16 45.60 0.2
SBCZ 2.03 61 P 16 45.50 0.1
LSCZ 2.05 62 P 16 45.70 0.0
LRCZ 2.07 60 P 16 46.10 0.1
MSCZ 2.09 62 P 16 46.30 0.1
BWZ 2.68 55 P 16 53.20 -0.2
ODZ 2.90 70 P 16 55.70 -0.5
S 17 27.20
LMZ 2.97 37 P 16 58.00 1.0
WVZ 4.13 44 eP 17 12.70 0.3
S 17 57.20
MQZ 4.80 62 eP 17 20.60 -0.6
S 18 11.50
LTZ 5.13 51 P 17 25.00 -0.8
eS 18 19.30
KHZ 6.08 55 eP 17 38.10 -0.4
THZ 6.18 47 P 17 39.20 -0.8
eS 18 45.00
QRZ 6.72 40 P 17 47.00 -0.3
eS 18 56.80

DIW 7.41 47 P 17 57.70 1.1
MRW 7.52 52 P 17 58.50 0.5
eS 19 16.10
CAW 7.80 53 P 18 02.20 0.4
KIW 7.89 51 P 18 03.20 0.3
MTW 8.01 55 eP 18 04.60 0.0
MNG 8.37 52 eP 18 08.50 -0.9
eS 19 35.50
MOZ 9.63 41 eP 18 26.50 0.4
S.D. = 0.6 on 27 of 27 obs.

SEP 08, 1993 05h 32m 15.94± 0.79s

47.450 N ± 9.3km 9.682 E ± 5.6km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.5 (VIE).

LLS 0.75 219 eP+ 32 30.90 0.2
SLE 0.86 292 ePd 32 33.20 0.6
MOTA 0.97 96 iP 32 35.10 0.6
i 32 35.40
iSg 32 51.10
VDL 0.97 189 P 32 33.70 -0.9
SQTA 1.06 102 iPg 32 37.00 0.9
iSg 32 53.90
WATA 1.29 94 iPg 32 40.00 0.0
i 32 58.30
iSg 32 58.60
i 32 59.90
WTTA 1.34 97 iPg 32 41.10 0.3
iSg 33 00.40
GEC2 3.03 61 Pn 33 03.20 -1.7
Pg 33 13.10
Sg 33 50.10
S.D. = 1.1 on 8 of 8 obs.

SEP 08, 1993 06h 10m 39.66± 1.01s
39.459 N ± 10.9km 20.917 E ± 6.4km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 2.7 (THE).

IGT 0.46 279 ePg 10 48.92 -0.1
eSg 10 55.40
AGG 1.18 111 ePb 11 02.00 0.3
eSb 11 19.10
FNA 1.37 15 ePb 11 03.96 -0.9
eSb 11 22.96
LIT 1.37 62 ePb 11 04.72 -0.1
OHR 1.65 357 ePg 11 09.30 0.4
GRG 1.88 37 ePb 11 13.20 1.1
OUR 2.51 69 ePn 11 20.44 -0.8
S.D. = 0.8 on 7 of 7 obs.

SEP 08, 1993 06h 17m 47.75± 1.01s
39.510 N ± 11.1km 20.970 E ± 5.6km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
ML 2.9 (THE).

IGT 0.49 273 iPg 17 56.66 -1.1
iSg 18 04.90
SRN 0.83 297 ePg 18 02.40 -1.5
iSg 18 16.40
AGG 1.16 114 ePb 18 09.88 0.4
eSb 18 28.72
FNA 1.31 14 ePb 18 10.72 -1.3
LIT 1.31 63 ePb 18 11.76 -0.3
eSb 18 31.00
VLO 1.48 311 ePn 18 16.50 2.1
OHR 1.61 355 iPn 18 15.30 -1.0
GRG 1.81 37 ePb 18 18.80 -0.5
eSb 18 44.92
TIR 2.02 336 ePn 18 25.00 2.8
PAIG 2.13 78 ePn 18 24.60 0.8
KNT 2.21 41 ePn 18 24.76 -0.3
SOH 2.25 54 ePn 18 25.56 0.0
eSn 18 55.50
OUR 2.46 69 ePn 18 28.12 -0.4
S.D. = 1.4 on 13 of 13 obs.

SEP 08, 1993 06h 52m 20.92± 1.28s
33.664 S ± 5.3km 70.459 W ± 11.0km
DEPTH = 10.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.2 (SAN).

PCH 0.06 313 iP 52 24.58 1.3
iS 52 26.27
SAN 0.27 321 iP 52 27.21 0.6
iS 52 31.36
TACH 0.40 271 iP 52 29.32 0.2
iS 52 35.65
CACH 0.47 195 iP 52 30.81 0.4
iS 52 37.71
PEL 0.55 340 iP 52 32.05 -0.1
iS 52 39.79
ROCH 0.83 326 iP 52 36.88 -0.3
iS 52 47.80

08d 06h

LNV 0.84 250 iP 52 36.42 -0.8
 IS 52 47.70
 LCCCH 0.95 281 iP 52 38.29 -0.7
 IS 52 51.00
 JACH 0.99 353 iP 52 39.06 -0.6
 IS 52 51.74
 S.D. = 0.8 on 9 of 9 obs.

& SEP 08, 1993 07h 20m 17.82s
 32.346 N 115.365 W
 DEPTH = 6.0km (geophysicist)
 CALIF.-BAJA CALIF. BORDER REGION(45)
 <PAS-P>. ML 3.1 (PAS).

GLA 0.84 33 eP 20 32.40 -2.0
 PLM 1.61 309 eP 20 44.29 -2.8
 eS 21 08.05
 PEC 2.16 316 (P) 20 51.93 -2.9
 SSK 2.69 314 (Pn) 21 00.86 -1.8
 ePg 21 06.69
 eS 21 39.18
 GSC 3.18 338 ePn 21 06.83 -2.6
 ePg 21 19.93
 TUC 3.88 89 ePn 21 16.76 -2.6
 MSU 6.68 22 (Pn) 21 57.80 -1.4
 PV10 7.93 39 ePn 22 14.39 -2.3
 ePg 22 46.90
 8 obs. associated

* SEP 08, 1993 07h 28m 19.71± 0.92s
 32.204 S ±11.6km 71.382 W ±13.4km
 DEPTH = 77.7 ± 22.4 km
 NEAR COAST OF CENTRAL CHILE (135)
 MD 4.3 (SAN). Felt (III) at La
 Ligua, Zapallar and Illapel;
 (II) at Papudo and Cabildo.

JACH 0.82 126 iP 28 35.61 -1.2
 IS 28 46.81
 ROCH 0.83 158 iP 28 36.23 -0.8
 IS 28 47.74
 IHA 0.85 195 iPc 28 37.20 0.2
 IS 28 48.70
 PEL 1.11 148 iP 28 39.89 -0.4
 IS 28 53.89
 LCCCH 1.28 187 iP 28 42.76 0.4
 SAN 1.38 154 iP 28 43.83 0.0
 FCH 1.45 141 iP 28 44.77 -0.2
 IS 29 03.38
 TACH 1.49 166 iP 28 45.31 0.1
 PCH 1.59 153 iP 28 46.51 -0.1
 IS 29 08.56
 LNV 1.75 181 iP 28 48.68 0.1
 IS 29 12.54
 CACH 2.02 161 iP 28 53.54 1.1
 RTCB 2.31 73 iPd 28 58.00 1.5
 S 29 15.00
 RTRS 2.61 40 e(P) 29 03.50 3.0X
 CFA 2.74 78 iPc 29 03.80 1.5
 S 29 36.00
 CYA 6.11 54 ePd 29 47.50 -1.9
 S 30 58.30
 ANT 8.51 6 eP 30 35.00 12.6X
 SLA 9.07 36 eP 30 31.00 0.8
 CNCB 15.63 12 P 32 03.90 6.6X
 LPB 15.88 12 eP 31 52.00 -8.4X
 LPAZ 16.12 11 P 32 04.40 0.8
 SIV 18.66 33 P 32 32.60 -1.7
 S.D. = 1.1 on 17 of 21 obs.

? SEP 08, 1993 07h 32m 09.02± 2.31s
 36.705 N ±11.6km 5.228 W ±27.8km
 DEPTH = 10.0km (geophysicist)
 STRAIT OF GIBRALTAR (385)
 mbLg 2.6 (MDD).

EPRU 0.26 359 iPd 32 14.60 0.1
 eS 32 18.90
 EJIF 0.32 218 iPd 32 15.65 0.0
 eS 32 20.30
 EHOR 1.12 359 eP 32 29.89 0.0
 eS 32 45.70
 EVAL 1.50 306 eP 32 35.95 0.0
 eS 32 53.90
 S.D. = 0.1 on 4 of 4 obs.

SEP 08, 1993 08h 10m 41.82± 0.77s

39.137 N ± 6.8km 27.673 E ± 7.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.9 (ISK).

IZM 0.80 204 ePg 10 57.40 -0.1
 eSg 11 11.00
 DST 0.88 57 ePn 10 59.50 0.8
 EDC 1.22 7 ePn 11 04.50 0.0
 KCT 1.23 25 iPn 11 04.40 -0.3
 EZN 1.25 304 ePn 11 05.20 0.2
 MFT 1.68 350 ePn 11 11.40 0.0
 IZI 1.83 49 ePn 11 13.00 -0.7
 S.D. = 0.6 on 7 of 7 obs.

* SEP 08, 1993 08h 12m 25.08± 2.24s
 32.268 S ±12.2km 71.630 W ±18.6km
 DEPTH = 33.0km (normal)
 NEAR COAST OF CENTRAL CHILE (135)
 MD 4.1 (SAN).

IHA 0.76 181 eP 12 39.10 -0.2
 IS 12 50.30
 ROCH 0.87 143 iP 12 40.67 -0.5
 JACH 0.97 115 iP 12 41.83 -0.6
 IS 12 56.87
 PEL 1.18 138 iP 12 45.45 0.0
 IS 13 03.48
 LCCCH 1.20 178 iP 12 45.00 -0.7
 IS 13 05.70
 SAN 1.44 146 iP 12 49.43 0.4
 TACH 1.50 157 iP 12 50.34 0.4
 IS 13 13.07
 FCH 1.55 133 iP 12 51.05 0.1
 IS 13 14.17
 PCH 1.64 145 iP 12 52.42 0.3
 IS 13 17.46
 LNV 1.69 174 (P) 12 52.42 -0.3
 IS 13 19.23
 CACH 2.04 155 iP 12 58.58 0.7
 IS 13 28.49
 RTCV 2.66 82 eP 13 08.00 1.4
 S 13 46.20
 RTLL 2.85 72 ePd 13 10.50 1.2
 S 13 51.00
 CFA 2.96 78 ePd 13 11.70 0.9
 S 13 55.50
 RFA 3.64 134 ePd 13 21.50 1.0
 RTPR 4.80 67 eP 13 37.00 0.1
 MRA 5.01 93 ePc 13 38.30 -1.7
 TCA 6.06 83 iP 13 52.20 -2.7
 (S) 15 05.00
 S.D. = 1.1 on 18 of 18 obs.

% SEP 08, 1993 08h 28m 27.75± 0.84s
 39.160 N ± 7.2km 27.423 E ± 8.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.77 189 iPg 28 42.90 0.1
 eSg 28 53.90
 DST 1.03 64 ePg 28 47.00 -0.3
 eSg 29 02.00
 EZN 1.08 308 ePn 28 48.00 0.0
 KCT 1.30 33 iPn 28 52.40 0.5
 MFT 1.63 356 ePn 28 56.40 -0.2
 S.D. = 0.5 on 5 of 5 obs.

% SEP 08, 1993 09h 13m 18.99± 0.85s
 39.067 N ± 7.2km 27.554 E ± 8.9km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.71 199 iPg 13 32.90 -0.1
 eSg 13 44.40
 DST 0.99 57 iPg 13 38.00 0.2
 eSg 13 53.00
 EZN 1.22 309 ePn 13 41.70 0.1
 EDC 1.30 10 ePn 13 43.00 -0.1
 KCT 1.33 27 iPn 13 43.40 -0.2
 S.D. = 0.2 on 5 of 5 obs.

? SEP 08, 1993 09h 15m 08.76± 2.84s
 29.434 N ±11.9km 140.964 E ±24.2km
 DEPTH = 70.4 ± 23.7 km

4.4mb (9 obs.)
 SOUTH OF HONSHU, JAPAN (211)

MAT 7.46 343 eP 16 57.00 -0.1
 0.7s 3.42nm 4.2mb
 eS 18 22.00
 CHTO 39.59 264 ePc 22 36.30 1.2
 0.9s 10.23nm 4.7mb
 WB2 49.50 188 eP 23 54.90 0.7
 1.0s 3.60nm 4.4mb
 WRA 49.50 188 P 23 52.70 -1.5
 0.7s 1.40nm 4.1mb
 KAF 74.91 334 iP 26 43.00 -0.4
 0.4s 5.30nm 4.8mb
 NUR 76.50 333 iP 26 52.20 -0.1
 0.3s 3.10nm 4.7mb
 LRM 79.90 43 eP 27 13.00 1.4
 e 27 34.80
 HFS 80.86 336 eP 27 15.50 -0.6
 0.4s 2.00nm 4.4mb
 NB2 81.05 338 P 27 16.70 -0.4
 0.7s 2.40nm 4.2mb
 GEC2 88.96 328 eP 27 56.70 -0.2
 0.8s 1.02nm 4.1mb
 S.D. = 1.1 on 10 of 10 obs.

? SEP 08, 1993 09h 17m 01.51± 3.73s
 29.710 N ±15.6km 142.244 E ±61.3km
 DEPTH = 57.8 ± 31.9 km
 4.2mb (3 obs.)

SOUTH OF HONSHU, JAPAN (211)

KAKJ 6.71 346 eP 18 39.70 0.1
 eS 19 50.60
 IIDJ 6.82 329 eP 18 41.40 0.2
 CHJJ 6.89 337 eP 18 42.00 -0.1
 eS 19 56.00
 MAT 7.61 335 (P) 18 52.00 -0.2
 NIJJ 7.98 341 eP 18 57.40 0.1
 WB2 49.95 190 eP 25 52.60 1.0
 0.6s 1.80nm 4.3mb
 WRA 49.95 190 P 25 50.70 -1.0
 0.7s 1.10nm 4.0mb
 NB2 81.21 338 P 29 12.20 0.0
 0.8s 2.30nm 4.2mb
 S.D. = 0.7 on 8 of 8 obs.

* SEP 08, 1993 09h 26m 11.94± 1.42s
 40.406 N ±13.4km 21.847 E ±10.2km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

LIT 0.58 122 eP 26 23.72 0.0
 iS 26 33.30
 GRG 0.69 37 eP 26 24.92 -0.8
 eS 26 39.96
 OHR 1.06 312 iPn 26 32.20 0.2
 SOH 1.22 70 eP 26 36.00 1.3
 OUR 1.63 92 eP 26 40.00 -0.8
 S.D. = 1.2 on 5 of 5 obs.

SEP 08, 1993 09h 43m 03.64± 2.54s
 44.522 N ± 9.9km 6.748 E ±19.2km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 1.7 (GEN).

PZZ 0.25 94 P 43 09.53 0.5
 S 43 12.78
 RRL 0.40 4 P 43 12.00 0.1
 BHB 0.49 49 P 43 13.24 -0.3
 S 43 19.78
 STV 0.50 124 P 43 13.85 0.1
 ENR 0.57 121 P 43 14.79 -0.4
 S 43 22.80
 S.D. = 0.5 on 5 of 5 obs.

% SEP 08, 1993 09h 46m 19.42± 0.85s
 39.128 N ± 7.3km 27.571 E ± 8.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.77 198 ePg 46 34.40 0.0
 eSg 46 46.40
 DST 0.95 59 ePn 46 37.50 0.0
 EZN 1.19 306 ePn 46 41.70 0.1

08d 09h

EDC 1.24 10 ePn 46 42.00 -0.4
KCT 1.27 28 ePn 46 43.40 0.3
S.D. = 0.4 on 5 of 5 obs.

? SEP 08, 1993 10h 24m 50.62± 0.96s
39.718 N ± 9.2km 29.519 E ± 7.7km
DEPTH = 5.0km (geophysicist)

TURKEY (366)
ML 2.7 (ISK).

DST 0.70 261 ePg 25 04.00 -0.6
ALT 0.81 145 ePg 25 07.00 0.2
EYL 0.98 30 eSg 25 18.00 -0.3
KCT 1.04 301 ePn 25 11.40 0.7
S.D. = 1.0 on 4 of 4 obs.

& SEP 08, 1993 11h 04m 20.30s
62.608 N 150.204 W
DEPTH = 72.6km
CENTRAL ALASKA (1)
<AEIC>.

CUT 0.21 189 iP 04 31.27 -0.1
HUR 0.45 35 eP 04 32.99 -0.1
TRF 0.85 357 eP 04 37.34 -0.2
SKT 0.88 225 eP 04 37.42 -0.4
PWA 0.97 171 P 04 38.70 -0.1
KTH 1.00 341 eP 04 39.45 0.1
RND 1.01 37 eP 04 38.84 -0.6
GHO 1.03 144 eP 04 39.75 0.1
PLRM 1.14 153 eP 04 40.84 -0.1
PMR 1.14 153 eP 04 40.45 -0.5
SUA 1.18 193 eP 04 42.41 0.8
SML 1.19 132 eP 04 41.76 0.1
MCK 1.27 26 eP 04 42.60 -0.1
DHY 1.38 69 eP 04 43.81 -0.5
PMS 1.40 167 P 04 44.70 0.2
NCG 1.52 218 eP 04 45.89 -0.2
SCM 1.56 119 eP 04 46.49 -0.1
CGLM 1.56 214 eP 04 47.32 0.7
CRP 1.63 215 eP 04 47.06 -0.6
CP2 1.66 216 eP 04 47.85 -0.2
SPU 1.68 212 eP 04 48.09 -0.1
BGL 1.70 218 eP 04 49.04 0.5
CKT 1.70 215 eP 04 48.66 0.1
BKG 1.83 213 eP 04 50.00 -0.3
CFI 1.84 140 eP 04 49.94 -0.4
PTE 1.84 162 eP 04 49.84 -0.5
TOA 1.95 103 P 04 52.20 0.3
PWL 1.97 152 eP 04 51.06 -1.1
NEA 2.04 14 P 04 51.70 -1.4
SLKM 2.11 180 eP 04 54.86 0.8
SDG 2.16 90 eP 04 55.47 0.7
MPA 2.16 169 eP 04 54.57 -0.2
RDT 2.30 208 eP 04 56.33 -0.4
KLU 2.31 117 eP 04 55.84 -1.1
CCB 2.31 27 eP 04 55.73 -1.1
HDA 2.32 37 eP 04 56.04 -1.0
VZW 2.33 130 eP 04 55.99 -1.2
VLZ 2.36 127 eP 04 56.42 -1.1
REF 2.44 210 eP 04 58.55 -0.3
RDW 2.47 211 eP 04 59.06 -0.2
RSO 2.48 211 eP 05 00.36 1.0
FBA 2.54 24 iPd 04 58.73 -1.3
SEW 2.54 171 eP 04 59.81 -0.2
FID 2.57 135 eP 04 59.28 -1.3
TTA 2.69 279 P 05 01.20 -1.0

LTI 2.81 155 eP 05 01.88 -2.0
HIN 2.84 140 eP 05 02.63 -1.6
CVA 2.97 132 eP 05 04.76 -1.2
SVW 2.98 242 P 05 06.00 -0.2
CNPM 3.13 190 eP 05 08.65 0.3
SGAM 3.19 129 eP 05 08.68 -0.5
GLB 3.23 108 eP 05 08.42 -1.3
HMT 3.65 126 eP 05 13.62 -1.9
CRQM 3.84 116 eP 05 17.44 -1.0
BALM 4.05 109 eP 05 19.04 -2.2
WAX 4.13 118 eP 05 20.74 -1.7
CTGM 4.52 107 eP 05 26.80 -1.1
57 obs. associated

SEP 08, 1993 11h 38m 37.09± 0.23s
29.987 N ± 4.4km 52.028 E ± 2.9km
DEPTH = 30.7km (5 depth phases)
4.9mb (60 obs.) 4.4MsZ (12 obs.)
SOUTHERN IRAN (353)
Felt in the Rudian area. Also
felt at Shiraz.

SHI 0.55 128 iPc 38 47.00 -1.5
DHR 4.03 205 ePc 39 42.00 3.8X
TEH 5.76 355 eP 40 00.00 -2.9
KER 6.03 317 eP 40 05.00 -1.6
RYD 7.12 224 iPc 40 23.20 1.3
MJMA 7.24 237 ePc 40 54.00 30.4X
QASM 8.45 245 ePc 40 38.60 -1.8
MAIO 8.88 43 eP 40 46.00 -0.3
TAB 9.34 331 eP 40 54.00 1.1
ASH 9.52 32 eP 40 55.50 0.4
UQSK 9.52 246 ePc 40 54.00 -1.2
AFIF 9.82 235 ePc 41 02.80 3.4X
KMSA 11.75 217 ePd 41 24.00 -1.7
WAJH 14.17 258 eP 42 05.00 7.3X
GRO 14.27 341 iPc 42 07.00 8.1X
GAZ 14.27 304 eP 41 58.20 -0.8
BHL 14.44 290 P 42 04.00 2.7
DHJN 14.54 214 ePc 42 02.00 -0.9
SRFA 14.71 270 eP 42 13.00 8.2X
KIV 15.80 335 iPc 42 22.10 3.1X
CSS 16.53 292 eP 42 28.50 0.2
SOC 16.75 327 eP 42 31.00 0.1
KVT 17.05 315 iP 42 34.50 -0.3
KAS 18.64 312 eP 42 55.00 0.5
ANN 18.87 326 eP 42 56.50 -0.7
ELL 19.64 296 iP 43 07.00 0.6
ALT 20.16 303 eP 43 11.00 -0.7
KHL 20.36 300 iP 43 14.00 0.2
GPA 20.47 306 iP 43 16.00 1.1
SIM 20.55 322 eP 43 12.00 -3.6X
EYL 20.69 307 eP 43 17.40 0.2
IZI 21.08 305 eP 43 19.90 -1.3
HRT 21.13 307 eP 43 21.00 -0.7
DST 21.43 303 eP 43 25.30 0.6
KSH 21.78 58 P 43 29.00 0.7
KCT 21.84 304 eP 43 25.00 -3.8X
NDI 21.99 87 eP 43 29.00 -1.3
CTT 22.12 307 eP 43 27.00 -4.6X
FRU 22.16 49 eP 43 35.00 3.0X
Z 16s 70.00nm 5.1mb
Z 16s 0.60um 4.3MsZ
e 44 39.00 75kmX
e 45 13.00
eS 49 02.00
e 49 20.00
SVE 27.49 10 ePd 44 22.20 -0.2
Z 12s 28.00nm 4.6mb
N 12s 0.60um 4.4MsZ
E 12s 0.20um
e 45 26.00 347kmX
OHR 27.59 302 iP 44 24.00 0.5
1.0s 60.00nm 5.2mb
i 44 29.30 19kmX
IGT 27.61 299 eP 44 24.84 1.2
MOS 27.70 342 iPd 44 25.00 0.7
1.6s 120.00nm 5.3mb
GBA 28.57 119 P 44 31.00 -1.5
DMN 29.03 86 P 44 36.60 -0.3
KKN 29.14 86 P 44 37.00 -0.9
UZH 29.32 318 eP 44 48.00 9.0X
e 44 57.50 33km
e 45 42.20
GUN 29.63 86 P 44 42.00 -0.5
0.6s 32.00nm 5.3mb
SPC 30.78 318 eP 44 51.00 -1.2
WMQ 31.43 54 eP 44 56.50 -1.3
1.4s 20.00nm 4.8mb
Z 22s 0.83um 4.4MsZ
N 11s 0.60um
OJC 31.51 319 eP 44 58.10 -0.3
PTJ 32.26 310 eP 45 04.80 -0.3
ZST 32.27 314 ePd 45 03.40 -1.6
VBY 32.62 309 ePd 45 07.50 -0.6
LJU 33.25 309 e(P) 45 14.00 0.4
VOY 33.68 309 eP 45 17.60 0.2
e 45 41.80 107kmX
KSP 33.79 318 eP 45 14.00 -4.2X
LSA 33.82 80 eP 45 23.50 4.2X
Z 14s 1.19um 4.8MsZ
KBA 34.32 311 iPd 45 23.10 0.0
1.6s 109.00nm 5.5mb
i 45 31.50 29km
i 45 48.40
PRU 34.49 316 eP 45 21.70 -2.6
Z 20s 0.30um 4.0MsZ
e 45 48.00 117kmX
GEC2 34.62 314 eP 45 24.90 -0.6
1.3s 8.47nm 4.5mb
e 45 27.30 8kmX
e 45 32.50
e 45 34.10
e 45 38.40
ePcP 48 02.20
KHC 34.79 314 P 45 26.00 -0.9
1.0s 23.20nm 5.1mb
Z 18s 0.50um 4.3MsZ
e 45 33.00 24km
e 45 49.00
BHG 34.80 312 iPd 45 27.00 0.0

08d 11h

BRG	35.17	317	iP	45	29.60	-0.5	EKA	46.28	320	Pc	46	56.70	-4.7X	0.6s	5.00nm	4.5mb	KKN	57.96	292	P	16	27.00	-1.2
	1.6s	20.00nm				4.8mb		0.8s	11.00nm				4.9mb				VRI	97.71	323	iPc	20	11.00	2.0
WET	35.23	314	eP	45	29.60	-1.0	PAB	46.62	298	eP	47	07.80	3.4X				MLR	98.38	323	ePd	20	02.50	-9.6X
SHL	35.41	87	eP	45	31.00	-1.7	BTO	47.74	61	eP	47	13.00	-0.3				LPZ	145.94	94	PKP	26	17.80	3.0X
			eS	51	08.00			N 13s	0.28um								CNCB	146.14	95	PKP	26	19.90	4.9X
WTTA	35.50	311	iPd	45	32.60	-0.5		E 13s	0.30um								S.D. = 1.1 on 11 of 14 obs.						
	0.8s	25.50nm				5.2mb	XAN	47.89	70	P	47	14.00	-0.4				-----						
		i	45	46.50		53kmX		1.2s	34.00nm				5.2mb				% SEP 08, 1993 12h 16m 25.68± 2.08s						
NUR	35.58	337	iP	45	32.30	-1.0		Z 15s	0.58um				4.7MsZ				41.250 N ±18.0km 29.328 E ± 8.4km						
	0.3s	3.80nm				4.8mb		E 10s	0.43um								DEPTH = 10.0km (geophysicist)						
SQTA	35.77	310	iPd	45	34.70	-0.6			pP	47	27.00	48kmX					TURKEY (366)						
	0.5s	20.50nm				5.3mb	GYA	47.89	80	P	47	14.80	0.1				ML 2.8 (ISK).						
		i	45	43.50		30km		1.0s	22.00nm				5.1mb				ISK 0.27 228 iPg 16 32.10 0.7						
CLL	35.89	318	iP	45	35.80	-0.3		48.88	60	eP	47	23.00	0.9				HRT 0.50 149 iPg 16 35.50 -0.3						
	1.6s	16.00nm				4.7mb		1.2s	24.00nm				5.1mb				CTT 0.69 262 iPg 16 38.90 -0.4						
FUR	35.96	312	iPd	45	36.50	-0.4		Z 20s	0.62um				4.6MsZ				IZI 0.92 173 iPg 16 43.20 -0.1						
	1.2s	55.00nm				5.4mb		E 11s	0.20um								EYL 0.93 137 ePn 16 43.90 0.4						
KAF	36.25	340	iP	45	38.20	-0.9		CIT	49.74	45	eP	47	29.00	0.5			BNT 1.39 231 ePn 16 50.40 -0.7						
	0.4s	2.50nm				4.5mb	TIY	50.01	64	Pc	47	31.70	1.0				EDC 1.43 231 ePn 16 51.50 -0.2						
OSS	36.36	309	P	45	40.84	0.5		Z 14s	1.19um				5.0MsZ				MFT 1.62 254 ePn 16 55.00 0.6						
GRF	36.43	314	eP	45	41.10	0.4		N 11s	0.23um								S.D. = 0.6 on 8 of 8 obs.						
	1.0s	24.00nm				5.0mb	MTD	50.50	206	iP	47	20.80	-13.8X				% SEP 08, 1993 12h 19m 17.56± 3.96s						
Z	22s	0.20um				3.9MsZ	LSZ	50.53	210	iP	47	37.00	2.1				42.146 N ±34.8km 24.067 E ±11.7km						
PGF	36.51	302	eP	45	39.90	-1.8		BJI	52.48	61	eP	47	49.00	-0.2			DEPTH = 10.0km (geophysicist)						
	1.6s	74.65nm				5.3mb		Z 18s	0.59um				4.7MsZ				BULGARIA (359)						
LLS	37.17	309	P	45	46.33	-0.9		IPM	52.64	109	ePd	47	49.50	-1.3			ML 3.3 (THE).						
SBF	37.79	304	eP	45	49.60	-2.7		TIA	53.99	65	P	48	00.90	0.5			SRS 1.09 199 iPb 19 38.14 0.1						
	1.2s	48.20nm				5.2mb		Z 19s	0.66um				4.7MsZ				KNT 1.32 222 ePb 19 40.82 -1.1						
DIX	38.10	308	P	45	54.90	-0.3		BUL	54.70	207	eP	48	07.10	1.1			SOH 1.43 202 ePb 19 42.50 -1.1						
LPL	38.49	307	eP	45	56.00	-2.4		AKU	54.92	332	iP	48	07.10	0.2			GRG 1.72 227 iPb 19 48.98 1.2						
	0.9s	14.90nm				4.8mb		1.0s	24.00nm				5.2mb				OUR 1.81 182 ePn 19 50.06 1.1						
CDF	38.62	311	eP	45	58.90	-0.3		NJ2	56.46	69	Pc	48	20.00	1.6			ALN 1.94 129 ePn 19 50.46 -0.4						
BSF	38.82	310	eP	45	59.60	-1.4		KIC	58.18	258	P	48	31.56	0.8			PAIG 2.24 188 ePn 19 55.40 0.2						
	0.9s	8.50nm				4.5mb		0.9s	19.00nm				5.2mb				S.D. = 1.1 on 7 of 7 obs.						
HFS	39.54	331	eP	46	05.50	-1.1		TIC	58.27	259	P	48	31.96	0.5			% SEP 08, 1993 12h 39m 31.45± 0.90s						
	0.9s	25.40nm				5.0mb		0.8s	8.50nm				4.9mb				39.241 N ± 8.0km 27.712 E ± 8.9km						
Z	22s	0.33um				4.1MsZ	LIC	58.49	258	P	48	33.54	0.5				DEPTH = 10.0km (geophysicist)						
		LR	00	57.00				0.9s	23.50nm				5.3mb				TURKEY (366)						
WTS	39.76	317	eP	46	09.50	1.0		Z 20s	2.38um				5.3MsZ				ML 2.8 (ISK).						
	1.0s	25.60nm				4.9mb	CN2	58.52	54	eP	48	34.40	1.7				DST 0.80 63 ePg 39 46.80 -0.2						
ENN	39.99	315	eP	46	11.00	0.5		1.0s	7.00nm				4.7mb				IZM 0.91 203 ePg 39 48.90 0.0						
	1.0s	19.00nm				4.8mb	SSE	58.64	70	P	48	32.00	-1.8				EDC 1.11 6 ePn 39 51.50 -0.8						
GTA	40.00	63	eP	46	11.80	0.9		Z 20s	0.50um				4.6MsZ				KCT 1.12 26 iPn 39 53.30 0.8						
	1.5s	59.00nm				5.1mb	CER	70.21	209	eP	49	49.00	0.0				EZN 1.22 299 iPn 39 54.30 0.2						
	Z 16s	0.69um				4.6MsZ		0.6s	30.00nm				5.6mb				S.D. = 0.8 on 5 of 5 obs.						
	N 15s	0.42um					INK	81.92	2	eP	50	59.00	4.5X				% SEP 08, 1993 12h 49m 16.11± 5.23s						
		sP	46	17.50			IMA	82.23	10	eP	50	56.92	0.5				10.924 N ±66.4km 86.898 W ±25.5km						
SDF	40.47	345	eP	46	15.00	0.8		0.8s	8.08nm				4.8mb				DEPTH = 33.0km (normal)						
LBF	40.58	308	eP	46	14.60	-0.8		FBA	84.17	8	eP	51	07.13	0.9			4.2mb (6 obs.)						
	1.4s	20.50nm				4.7mb		0.8s	3.85nm				4.6mb				OFF COAST OF COSTA RICA (77)						
SMF	40.63	308	eP	46	15.00	-0.8		TTA	84.73	12	eP	51	11.37	2.2			LTX 24.09 322 eP 54 30.53 0.6						
	0.8s	11.95nm				4.7mb		1.3s	9.09nm				4.8mb				UYO 24.15 345 iPc 54 30.20 0.0						
DOU	40.68	313	P	46	16.80	0.7		LMN	85.30	321	eP	51	14.00	1.8			MIAR 24.29 347 eP 54 31.34 -0.3						
LOR	40.69	309	eP	46	14.40	-1.9		SVW	86.48	13 (P)		51	18.66	0.8			0.6s 4.17nm 4.2mb						
	1.1s	12.20nm				4.6mb		1.2s	22.18nm				5.3mb				CEH 25.84 15 eP 54 45.87 -0.5						
Z	22s	0.30um				4.1MsZ	YKA	87.22	354	eP	51	24.20	2.9				0.4s 7.09nm 4.6mb						
SSF	40.91	309	eP	46	17.30	-0.8		1.4s	7.70nm				4.8mb				MEO 26.03 338 iPc 54 49.00 0.9						
	1.3s	27.80nm				4.8mb	RSO	87.62	12	eP	51	24.94	1.3				ACO 27.94 339 iPc 55 05.10 -0.5						
AVF	40.98	308	eP	46	16.90	-1.7		KLU	87.69	9 (P)		51	25.64	1.9			ALQ 29.81 326 eP 55 24.38 1.7						
	1.3s	33.20nm				4.9mb	WRA	93.41	111	P	51	54.00	3.1X				0.7s 1.75nm 3.9mb						
NB2	41.06	331	P	46	18.20	-1.0		1.1s	0.90nm				4.1mb				PV08 33.70 328 (P) 55 56.79 0.0						
	0.7s	5.20nm				4.4mb	ASPA	94.94	114	P	52	00.59	2.7				PV10 33.76 328 eP 55 55.70 -1.5						
ZAK	43.14	47	eP	46	36.80	0.5		1.0s	1.50nm				4.4mb				SRU 35.08 327 eP 56 08.28 -0.2						
	1.3s	11.00nm				4.4mb	LPZ	123.86	270 (PKP)	57	42.00	6.9X				RSNY 35.16 15 (P) 56 09.75 0.9							
	Z 16s	0.69um				4.6MsZ	LPB	123.94	270 ePKP	57	47.00	12.1X				0.8s 5.70nm 4.6mb							
	E 14s	1.25um					CNCB	123.96	269	PKP	57	38.00	2.8X				PLM 35.39 314 (P) 56 11.51 0.3						
		e	48	24.30		621kmX		S.D. = 1.2 on 139 of 163 obs.									MSU 35.56 325 eP 56 11.68 -1.0						
		e	56	08.00				-----									e 56 17.02						
LZH	43.44	68	eP	46	39.00	-0.2		? SEP 08, 1993 12h 06m 35.98± 1.97s									DAU 36.42 328 (P) 56 20.20 0.3						
	1.0s	66.00nm				5.4mb		16.954 N ±10.1km 147.432 E ±40.1km									DUG 37.09 326 (P) 56 26.10 0.7						
Z	22s	0.58um				4.4MsZ		DEPTH = 33.0km (normal)															
	E 12s	0.33um						4.3mb (2 obs.)															
		pP	46	50.00		39km	MARIANA ISLANDS REGION (215)																
LDF	43.51	310	eP	46	37.80	-1.5		GUM0	4.16	217	eP	07	39.20	0.4									
	0.7s	7.70nm				4.6mb		eS	08	25.70													
FLN	43.76	311	eP	46	40.10	-1.2		PJG	4.16	217	eP	07	39.00	0.2									
	1.3s	27.10nm				4.9mb		GUA	4.18	216	eP	07	39.20	0.2									
Z	24s	0.38um				4.2MsZ		0.6s	69.33nm														
CHTO	43.88	94	ePd	46	42.90	0.2			eS	08	24.30												
	1.1s	25.03nm				4.9mb		IIDJ	20.31	337	eP	11	12.40	0.4									
TRO	43.92	344	eP	46	42.30	0.0		CHJJ	20.44	340	P	11	13.70	0.4									
CD2	44.27	75	eP	46	46.00	0.2		MAT	21.15	339	eP	11	20.00	-0.6									
BDT	44.59	96	eP	46	47.50	-0.9			0.9s	6.72nm			4.0mb										
KMI	44.93	83	eP	46	51.50	0.1		MTMJ	21.33	338	P	11	23.00	0.5									
	1.5s	50.00nm				5.2mb		NIJ0	21.54	341	eP	11	23.20	-1.2									
		sP	47	02.00				WB2	38.85	200	iPc	13	58.90	-1.1									
NST	46.24	97	eP	47	01.50	0.0																	

08d 12h

0.9s 2.33nm 4.0mb
 BW06 37.37 332 eP 56 26.48 -1.4
 0.9s 2.05nm 4.0mb
 CBM 39.25 20 (P) 56 50.11 6.9X
 WRA 139.34 252 PKP 08 53.00 10.3X
 0.6s 0.40nm
 S.D. = 0.9 on 16 of 18 obs.

? SEP 08, 1993 13h 04m 24.76± 5.19s
 57.781 N ±49.1km 8.178 E ± 9.1km
 DEPTH = 10.0km (geophysicist)

DENMARK (542)
 MD 2.7 (BER).

BLS5 1.88 332 eP 04 57.54 0.3
 es 05 20.94
 KMY 2.10 314 eP 05 00.45 0.0
 es 05 27.57
 ODD1 2.28 340 eP 05 03.59 0.5
 es 05 33.01
 EGD 2.93 330 eP 05 11.69 -0.4
 ASK 3.12 332 eP 05 14.45 -0.3
 NRAO 3.43 29 Pn 05 19.03 -0.3
 Pg 05 27.53
 Sn 06 00.15
 Lg 06 15.25

HFS 3.71 48 eP 05 23.40 0.1
 0.2s 1.50nm
 MOL 4.82 357 eP 05 37.53 -1.4X
 es 05 50.14

S.D. = 0.4 on 7 of 8 obs.
 ? SEP 08, 1993 13h 37m 57.44± 5.15s
 34.207 S ±32.3km 70.339 W ±21.9km
 DEPTH = 10.0km (geophysicist)

CHILE-ARGENTINA BORDER REGION (127)
 MD 3.4 (SAN).

CACH 0.23 292 iP 38 02.72 0.2
 IS 38 08.56
 PCH 0.60 346 iP 38 09.59 -0.1
 IS 38 21.00
 TACH 0.74 318 iP 38 12.09 0.1
 IS 38 25.28
 FCH 0.88 3 iP 38 13.84 -0.7
 IS 38 28.93
 LNV 0.92 285 iP 38 14.56 -0.5
 IS 38 29.91
 PEL 1.10 345 iP 38 17.94 -0.2
 IS 38 35.85
 LCCH 1.26 305 eP 38 20.51 -0.3
 IS 38 40.33
 ROCH 1.35 335 (P) 38 23.35 0.8
 IS 38 43.55
 JACH 1.54 352 iP 38 25.40 0.4
 IS 38 48.69

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

? SEP 08, 1993 14h 56m 18.82± 1.18s
 39.801 N ±11.6km 29.722 E ±15.8km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

IZI 0.57 340 iPg 56 30.40 0.0
 eSg 56 38.40
 ALT 0.80 158 ePg 56 34.50 0.0
 eSg 56 46.00
 KCT 1.14 294 iPn 56 40.30 0.1
 EDC 1.53 292 ePn 56 46.00 -0.2

S.D. = 0.2 on 4 of 4 obs.

SEP 08, 1993 15h 12m 08.61± 0.39s
 42.977 S ± 5.0km 173.165 E ± 4.9km
 DEPTH = 27.7 ± 3.2 km
 3.6mb (1 obs.)

SOUTH ISLAND, NEW ZEALAND (162)
 ML 4.1 (WEL).

KHZ 0.62 27 Pc 12 21.50 0.6
 es 12 29.30
 LTZ 0.69 286 P 12 21.20 -0.8
 es 12 29.20
 MQZ 0.82 207 P 12 25.30 1.1
 THZ 1.23 351 Pc 12 30.80 0.8
 es 12 45.70
 CCW 1.45 33 eP 12 34.70 1.5

WVZ 1.78 266 P 12 38.60 0.6
 TCW 1.95 26 eP 12 40.90 0.5
 WEL 2.07 36 P 12 42.70 0.6
 MRW 2.09 34 P 12 42.80 0.4
 MOW 2.20 46 P 12 44.20 0.2
 QRZ 2.20 347 P 12 44.80 0.8
 DIW 2.25 15 eP 12 45.10 0.4
 CAW 2.34 38 P 12 46.30 0.3
 BLW 2.35 48 P 12 46.10 -0.1
 KIW 2.48 32 P 12 48.40 0.4
 MTW 2.51 45 P 12 48.10 -0.4
 ODZ 2.75 220 P 12 52.10 0.3
 BWZ 2.84 236 P 12 53.20 0.2
 MNG 2.92 37 P 12 53.80 -0.5
 LMZ 2.94 254 eP 12 54.50 0.1
 PGZ 3.31 46 eP 12 58.40 -1.3
 NRZ 3.68 9 eP 13 06.10 1.1
 TUZ 3.91 219 eP 13 08.10 0.0
 MSZ 4.15 244 eP 13 10.30 -1.4
 CNZ 4.18 26 eP 13 12.30 0.1
 NGZ 4.22 27 eP 13 12.70 -0.1
 MOZ 4.64 16 eP 13 18.60 0.0
 WLZ 5.43 21 eP 13 29.40 -0.4
 URZ 5.59 34 eP 13 28.30 -3.7X
 NOZ 5.71 42 eP 13 30.40 -3.3X
 HBZ 6.65 38 eP 13 42.80 -4.2X
 WRA 39.81 293 P 19 44.80 3.7X

0.6s 0.70nm 3.6mb
 S.D. = 0.7 on 28 of 32 obs.

& SEP 08, 1993 15h 40m 33.41s
 36.134 N 117.843 W

DEPTH = 3.6km
 CALIFORNIA-NEVADA BORDER REGION (40)
 <PAS-P>. ML 2.7 (PAS).

ISA 0.69 228 ePc 40 46.46 -0.8
 es 40 55.72
 GSC 1.18 134 eP 40 55.87 -0.3
 es 41 10.02
 ABL 1.70 222 eP 41 04.47 0.2
 es 41 23.50
 MMPM 1.75 328 eP 41 05.30 0.2
 es 41 27.21
 MEMM 1.76 330 eP 41 04.46 -0.5
 es 41 27.01
 BONR 1.85 349 ePn 41 05.56 -1.0
 ePg 41 07.69
 SSK 1.92 176 ePn 41 07.80 0.3
 TNP 2.01 14 eP 41 10.04 1.3
 8 obs. associated

SEP 08, 1993 16h 00m 07.01± 0.66s
 63.132 N ± 6.6km 151.406 W ± 7.5km
 DEPTH = 10.0km (geophysicist)

CENTRAL ALASKA (1)
 ML 3.1 (PMR).

PMR 1.87 145 eP 00 39.03 -0.3
 CRP 1.90 191 eP 00 38.79 -1.2
 es 01 03.82
 TTA 2.11 267 eP 00 43.29 0.4
 es 01 09.01
 FBA 2.38 40 ePn 00 47.52 0.8
 ePg 00 50.03
 es 01 20.82
 RSO 2.75 194 eP 00 52.56 0.3
 SVW 2.84 226 eP 00 53.97 0.8
 es 01 31.22
 KLU 3.04 120 eP 00 56.35 0.2
 IMA 3.11 343 eP 00 55.99 -1.1

S.D. = 0.9 on 8 of 8 obs.

SEP 08, 1993 16h 17m 41.63± 1.07s
 41.245 N ±11.9km 21.962 E ± 4.9km
 DEPTH = 10.0km (geophysicist)

NORTHWESTERN BALKAN REGION (383)
 ML 2.5 (THE).

GRG 0.44 131 ePg 17 49.60 -1.0
 FNA 0.64 224 ePg 17 53.72 -0.8
 KNT 0.71 96 ePg 17 55.20 -0.5
 OHR 0.89 262 iPg 17 59.00 0.3
 esSg 18 12.70
 SOH 1.13 111 ePg 18 02.92 0.0
 esSg 18 19.80
 LIT 1.21 160 ePb 18 05.00 0.8

eSb 18 22.64
 SRS 1.24 95 ePb 18 04.56 -0.1
 iSb 18 21.28
 OUR 1.78 120 ePb 18 13.50 0.8
 PAIG 1.86 135 ePb 18 14.12 0.4
 S.D. = 0.8 on 9 of 9 obs.

* SEP 08, 1993 17h 06m 11.76± 2.35s
 21.111 S ±17.2km 178.784 W ±12.2km
 DEPTH = 618.9 ± 34.1 km
 4.2mb (10 obs.)

FIJI ISLANDS REGION (181)

DZM 13.78 263 iPc 09 06.80 -0.9
 OUZ 15.57 204 eP 09 28.60 3.7X
 KUZ 16.30 196 eP 09 34.50 2.7
 HBZ 16.62 188 eP 09 34.90 0.0
 WLZ 17.40 195 eP 09 44.40 2.2
 URZ 17.46 191 eP 09 40.80 -1.9
 NOZ 17.66 188 eP 09 44.50 -0.1
 PGZ 19.90 191 eP 10 04.30 -0.9
 MNG 20.05 193 eP 10 05.10 -1.5
 QRZ 21.00 199 eP 10 15.50 0.3
 KHZ 22.20 195 eP 10 24.70 -1.3
 MQZ 23.64 196 eP 10 38.40 -0.4
 BRS 26.64 251 eP 11 05.50 0.2
 CNB 31.28 236 eP 11 45.90 1.0

0.8s 14.00nm 4.6mb
 TOO 34.95 234 iPd 12 17.00 1.6
 0.6s 14.00nm 4.7mb

STK 36.87 245 eP 12 31.70 0.5
 0.6s 2.30nm 3.9mb

ASPA 43.67 257 iPc 13 24.90 -0.7
 0.4s 8.40nm 4.6mb

eS 19 08.00
 WB2 43.78 263 eP 13 22.00 -4.4X

0.5s 7.60nm 4.4mb
 WRA 43.79 263 P 13 26.50 0.0

0.5s 0.80nm 3.5mb
 NANU 60.53 255 eP 15 25.00 -1.0

SAO 78.97 44 ePd 17 14.15 0.1
 CMB 80.41 43 ePd 17 21.51 0.0

1.7s 10.00nm 4.0mb
 WDC 80.61 40 ePd 17 22.65 0.2

1.5s 10.00nm 4.1mb
 ORV 80.62 41 ePd 17 22.41 -0.1

1.6s 10.00nm 4.1mb
 YBH 81.22 39 ePd 17 26.21 0.6

1.2s 10.00nm 4.2mb
 HFS 140.02 350 ePKP 24 23.90 -8.1X

0.3s 2.10nm
 KSP 148.05 342 ePKP 24 49.00 3.2X

SPC 148.14 336 ePKP 24 49.10 2.8X
 CLL 148.48 346 iPKP 24 50.00 3.6X

1.3s 17.00nm
 e 24 55.00

BRG 148.66 344 ePKP 24 46.40 -0.3
 1.4s 17.00nm
 e 24 51.00

PRU 149.31 343 ePKP 24 52.50 4.8X
 ZST 150.11 338 e(PKP) 24 53.90 4.9X

KHC 150.35 343 ePKP 24 54.60 5.2X
 1.2s 9.00nm
 e 25 04.00

GRF 150.39 347 ePKP 24 56.00 6.6X
 GEC2 150.58 343 ePKP 24 55.00 5.2X

1.2s 5.71nm
 e 25 04.70

S.D. = 1.2 on 24 of 35 obs.

? SEP 08, 1993 18h 20m 15.29± 3.44s
 12.304 S ±35.5km 122.398 E ±17.7km
 DEPTH = 33.0km (normal)

SOUTH OF TIMOR, INDONESIA (293)

MTN 8.54 95 eP 22 20.00 0.3
 es 23 51.00

MBL 9.14 195 eP 22 28.00 0.0
 0.3s 13.00nm 5.6mb X

es 24 03.00
 NANU 12.12 212 eP 23 07.70 -0.9

0.3s 4.00nm 5.1mb X
 es 25 11.00

WB2 13.76 125 eP 23 29.60 -0.9
 es 25 53.10

MEEK 14.70 193 eP 23 42.70 0.0
 es 26 14.00

08d 18h

ASPA 15.72 138 eP 23 56.40 0.4
 MRWA 17.85 199 eP 26 39.50
 S.D. = 0.9 on 7 of 7 obs.

* SEP 08, 1993 19h 50m 30.03± 1.18s
 20.973 S ±14.5km 67.314 W ±22.5km
 DEPTH = 247.3 ± 18.0 km
 SOUTHERN BOLIVIA (125)

YJA 2.06 126 iPd 51 12.70 -1.0
 SLA 4.10 156 iP 51 36.50 1.0
 CNCB 4.19 351 iPc 51 37.70 0.7
 LPB 4.48 350 P 51 41.00 0.6
 LPAZ 4.72 350 P 51 43.30 -0.3
 ARE 5.98 318 eP 51 58.00 -0.8
 RSTA 17.25 106 (P) 54 17.00 -0.2
 S.D. = 1.1 on 7 of 7 obs.

* SEP 08, 1993 19h 54m 41.87± 1.92s
 40.191 N ±21.7km 52.490 E ±11.4km
 DEPTH = 81.8 ± 32.0 km
 4.5mb (4 obs.)
 TURKMENISTAN (340)

TAB 5.24 248 eP 56 00.00 0.5
 MAIO 6.74 123 iPnd 56 20.00 -0.2
 0.8s 8.42nm 4.3mb
 OBN 18.29 330 eP 58 51.00 -0.4
 0.7s 18.00nm 4.4mb
 CFR 18.55 294 eP 58 51.00 -3.5X
 VRI 19.63 295 eP 59 04.50 -1.8
 MLR 20.13 294 eP 59 11.50 -0.2
 ZST 26.42 299 e(P) 00 13.10 0.7
 NUR 26.65 329 iP 00 15.40 1.1
 0.4s 9.50nm 4.7mb
 KAF 27.06 333 iP 00 19.10 1.0
 GEC2 28.72 301 eP 00 33.50 0.2
 0.4s 0.45nm 3.4mb X
 HFS 31.21 323 eP 00 54.00 -1.1
 0.6s 5.50nm 4.5mb
 S.D. = 1.1 on 10 of 11 obs.

& SEP 08, 1993 20h 28m 24.15s
 34.053 N 117.166 W
 DEPTH = 8.3km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 2.7 (PAS).

PEC 0.16 178 iPc 28 27.49 -0.2
 SSK 0.46 290 iPc 28 32.89 -0.7
 PLM 0.74 160 eP 28 37.80 -1.2
 GSC 1.28 13 eP 28 47.17 -1.0
 ABL 1.88 296 eP 28 55.56 -1.4
 ISA 1.93 327 eP 28 56.13 -1.5
 BCH 2.66 296 (P) 29 09.28 1.2
 7 obs. associated

* SEP 08, 1993 21h 51m 31.08± 0.97s
 37.963 N ± 8.9km 22.057 E ± 9.2km
 DEPTH = 33.0km (normal)
 SOUTHERN GREECE (368)
 ML 3.2 (ATH), 3.0 (THE).

AGG 1.08 11 ePg 51 49.08 -0.9
 VLS 1.18 281 ePg 51 53.50 2.2
 ATH 1.31 89 ePb 51 54.00 0.8
 VLI 1.43 150 ePg 51 53.50 -1.4
 IGT 2.07 320 ePb 52 03.60 -0.6
 eSb 52 25.44

LIT 2.16 9 ePn 52 06.00 0.5
 PAIG 2.33 32 ePn 52 08.72 0.8
 KZN 2.35 355 ePb 52 09.20 0.9
 OUR 2.80 32 iPn 52 15.36 0.9
 FNA 2.87 350 ePn 52 14.36 -1.1
 SOH 3.03 19 ePn 52 17.84 0.0
 OHR 3.29 343 ePn 52 19.30 -2.3
 S.D. = 1.4 on 12 of 12 obs.

SEP 08, 1993 22h 08m 02.55± 0.39s
 2.559 N ± 5.1km 128.784 E ± 8.1km
 DEPTH = 23.9km (6 depth phases)
 4.9mb (18 obs.) 4.4MsZ (5 obs.)
 HALMAHERA, INDONESIA (267)

TNE 2.27 220 iPc 08 39.00 -0.3
 MNI 4.10 254 ePc 09 07.50 2.3
 CGP 7.13 325 eP 10 01.50 13.4X
 PLP 9.35 336 ePd 10 17.50 -1.4
 MKS 12.09 230 iPd 10 57.00 0.6
 WB2 23.02 167 eP 13 06.10 -0.9
 0.8s 12.30nm 4.5mb
 i 13 08.60 9kmX
 i 13 14.50
 i 13 44.50
 eS 17 27.30

LEM 23.09 246 ePd 13 09.70 1.8
 GZH 25.31 325 P 13 30.00 1.0
 QIS 25.31 156 eP 13 30.50 1.4
 ASPA 26.54 169 iPc 13 40.30 -0.2
 0.6s 9.60nm 4.6mb
 Z 22s 0.30um 3.8MsZ
 BDT 32.68 298 eP 14 33.00 -2.4
 FORT 33.16 181 eP 14 38.00 -1.4
 CHTO 33.38 301 ePc 14 41.00 -0.5
 1.0s 10.50nm 4.7mb
 KMI 33.66 314 Pd 14 44.50 0.4
 1.6s 50.00nm 5.2mb
 pP 14 53.00 29km
 MRWA 33.89 200 eP 14 43.40 -2.4
 MAT 34.92 13 (P) 14 48.00 -6.6X
 (S) 20 44.00

STK 36.35 161 iPc 15 06.60 -0.1
 0.6s 5.90nm 4.7mb
 i 15 12.70 21km
 XAN 36.40 332 P 15 06.70 -0.4
 1.0s 14.00nm 4.8mb
 pP 15 15.70 30km
 CD2 36.80 323 Pd 15 10.90 0.3
 BRS 37.70 144 iPd 15 18.50 0.3
 TIY 38.07 339 eP 15 22.00 0.8
 Z 20s 0.62um 4.4MsZ

ADE 38.47 167 e(P) 15 25.90 1.3
 BJI 39.02 345 eP 15 29.00 -0.1
 LZH 40.56 328 Pc 15 43.50 1.5
 1.5s 66.00nm 5.1mb
 Z 16s 0.25um 4.2MsZ
 pP 15 50.50 24km
 HHC 41.17 340 eP 15 47.30 0.4
 0.8s 5.80nm 4.4mb

MDJ 41.89 1 eP 15 53.50 0.9
 TOO 42.83 160 eP 16 08.00 7.5X
 0.6s 14.00nm 4.9mb
 LSA 44.75 311 P 16 18.10 1.4
 GTA 45.16 328 Pc 16 19.50 0.1
 1.0s 12.00nm 4.8mb
 Z 18s 0.40um 4.4MsZ
 pP 16 26.50 23km
 sP 16 29.00
 PcP 17 59.00
 ScP 21 50.00
 ScS 26 13.50

GUN 48.07 306 P 16 42.80 0.0
 0.6s 52.00nm 5.7mb
 KKN 48.51 305 P 16 45.80 -0.3
 DMN 48.58 305 P 16 46.20 -0.5
 HYB 51.44 290 eP 17 07.40 -1.0
 GBA 51.90 285 P 17 10.50 -1.3
 1.0s 4.00nm 4.3mb
 WMQ 54.86 324 iPd 17 33.40 -0.1
 1.2s 36.00nm 5.3mb
 Z 18s 0.26um 4.3MsZ
 pP 17 38.50 17km
 sP 17 42.00

PcP 18 33.70
 YAK 59.32 1 eP 18 04.00 -0.6
 0.9s 36.00nm 5.5mb
 KSH 60.29 315 P 18 12.00 0.1
 MAIO 71.85 307 eP 19 25.00 -0.8
 IMA 82.62 24 eP 20 26.37 1.2
 0.8s 3.22nm 4.5mb
 PWA 83.64 28 eP 20 33.90 3.7X
 0.8s 9.60nm 5.0mb
 PMR 83.99 28 eP 20 32.26 0.3
 0.7s 8.29nm 5.1mb
 OBN 89.17 325 eP 20 56.00 -1.5
 1.5s 35.00nm 5.4mb
 Z 20s 0.40um 4.8MsZ
 e 21 33.00 145kmX
 S.D. = 1.1 on 38 of 42 obs.

* SEP 08, 1993 22h 32m 25.72± 0.47s
 0.013 S ± 9.3km 16.654 W ± 8.8km
 DEPTH = 10.0km (geophysicist)
 4.9mb (16 obs.) 4.1MsZ (2 obs.)
 NORTH OF ASCENSION ISLAND (407)

MAMG 11.23 24 P 34 50.00 -19.4X
 LIC 13.15 62 P 35 33.88 -1.4
 0.3s 3.50nm 4.9mb
 Z 20s 12.50um
 S 38 17.54
 KDS 13.25 19 iP 35 31.50 -5.1X
 iS 37 48.50
 TIC 13.36 60 P 35 35.54 -2.5
 0.5s 4.50nm 4.8mb
 KIC 13.47 62 P 35 37.74 -1.7
 0.5s 6.50nm 4.9mb
 SIV 46.60 248 P 40 56.40 0.2
 LSZ 46.81 111 iP 41 00.80 2.8X
 SUR 47.80 136 iPc 41 06.80 1.1
 0.5s 30.00nm 5.6mb
 BUL 48.60 117 iPc 41 12.50 0.5
 TCF 49.00 17 eP 41 17.60 3.1X
 1.7s 51.45nm 5.3mb
 KSR 49.22 125 eP 41 13.00 -3.8X
 LPG 49.81 21 eP 41 23.10 2.0
 1.6s 29.85nm 5.0mb
 LPL 49.82 21 eP 41 22.70 1.6
 1.2s 9.80nm 4.7mb
 BLF 50.08 129 iPc 41 24.10 0.8
 0.5s 16.00nm 5.2mb
 SSF 50.09 18 eP 41 24.10 1.2
 1.0s 7.20nm 4.6mb
 SLR 50.31 124 eP 41 33.00 7.9X
 0.7s 16.00nm 5.1mb
 MTD 50.35 112 iP 41 10.90 -14.5X
 LOR 50.38 18 eP 41 26.40 1.3
 0.9s 3.60nm 4.3mb
 Z 19s 0.20um 4.1MsZ

SEK 50.85 127 eP 41 29.50 0.3
 0.6s 14.00nm 5.1mb
 GRM 52.39 134 eP 41 41.00 0.4
 0.4s 55.00nm 5.8mb
 CNCB 53.23 249 eP 41 47.00 -0.7
 i 42 55.00
 LPAZ 53.26 250 P 41 45.70 -2.3
 i 42 54.20
 DCN 53.74 7 eP 41 57.20 7.0X
 GRF 54.98 22 eP 42 01.00 1.6
 Z 19s 0.15um 4.1MsZ
 GEC2 55.26 24 ePc 42 01.20 -0.3
 1.1s 7.04nm 4.6mb
 e 42 08.30
 e 42 14.20
 e 44 02.20
 e 44 07.20

KHC 55.44 24 eP 42 03.00 0.3
 1.3s 8.40nm 4.6mb
 e 42 11.00
 e 43 52.50
 CLL 56.96 22 eP 42 13.00 -0.6
 BRG 56.96 23 eP 42 20.80 7.2X
 MLR 58.83 34 eP 42 23.00 -3.9X
 VRI 59.49 34 eP 42 23.00 -8.4X
 LMN 62.22 324 eP 42 49.00 -0.9
 HFS 64.42 16 eP 43 03.70 -0.5
 0.4s 1.90nm 4.6mb
 KAF 69.89 20 eP 43 38.80 0.2
 MAIO 78.86 53 eP 44 32.00 0.9
 ULM 83.11 321 eP 44 55.50 2.4X

08d 22h

MEO 83.37 305 iPc 44 54.10 -0.7	LTI 2.89 85 eP 00 53.58 0.2	SEP 08, 1993 23h 21m 18.05± 1.84s
ASPA 142.97 132 ePKP 51 58.70 -3.7X	MTU 3.00 86 eP 00 55.10 0.4	36.885 N ±16.5km 2.357 W ± 9.4km
0.9s 4.50nm	SML 3.19 52 eP 00 55.06 -2.1	DEPTH = 10.0km (geophysicist)
WRA 145.35 127 PKP 52 06.90 0.4	HIN 3.58 79 eP 01 01.83 -0.3	STRAIT OF GIBRALTAR (385)
1.0s 3.20nm	FID 3.64 74 eP 01 02.06 -0.8	mbLg 2.8 (MDD).
WB2 145.36 127 ePKP 52 05.50 -1.0	eS 01 43.01	
1.7s 4.50nm	VLZ 3.79 68 eP 01 04.54 -0.2	
S.D. = 1.2 on 26 of 39 obs.	eS 01 47.96	
SEP 08, 1993 22h 44m 21.01± 0.91s	KLU 4.09 64 eP 01 08.76 0.0	
37.902 N ± 8.0km 21.688 E ± 9.5km	eS 01 55.27	
DEPTH = 33.0km (normal)	GLB 5.05 68 eP 01 20.84 -0.5	
SOUTHERN GREECE (368)	CCB 5.45 27 eP 01 25.43 -1.2	
ML 3.3 (ATH), 3.1 (THE).	HDA 5.46 32 eP 01 25.77 -1.1	
	41 obs. associated	
VLS 0.91 288 iPnc 44 37.80 0.4	SEP 08, 1993 23h 03m 34.17± 2.54s	
AGG 1.23 24 ePg 44 38.12 -3.8X	36.948 S ±17.7km 176.917 E ±12.6km	
eSg 44 51.57	DEPTH = 290.7 ± 17.9 km	
VLI 1.55 139 ePn 44 52.00 5.5X	OFF E. COAST OF N. ISLAND, N.Z. (160)	
ATH 1.61 87 ePn 44 50.50 3.1X	KUZ 0.98 281 P 04 13.00 -0.7	
IGT 1.94 327 ePb 44 54.44 2.1X	eS 04 40.70	
	HBZ 1.28 121 P 04 14.80 -0.5	
LIT 2.28 16 ePb 44 57.36 0.2	URZ 1.32 173 P 04 14.60 -0.9	
KEK 2.33 321 ePb 45 00.00 2.1X	S 04 41.30	
KZN 2.40 2 ePn 44 59.50 0.6	TAZ 1.32 194 eP 04 16.00 0.5	
OUR 3.01 36 ePn 45 08.60 1.1	PATZ 1.52 200 P 04 17.50 0.5	
SOH 3.19 23 ePn 45 09.56 -0.5	NOZ 1.89 152 P 04 19.90 0.4	
VAM 3.21 140 ePn 45 10.00 -0.2	PAHZ 1.91 177 P 04 19.80 0.0	
OHR 3.28 348 ePn 45 10.50 -0.8	MOZ 2.29 226 eP 04 24.20 1.4	
KNT 3.39 16 ePn 45 12.04 -0.8	MAHZ 2.36 162 eP 04 24.50 1.0	
S.D. = 0.8 on 8 of 13 obs.	NGZ 2.46 205 P 04 25.20 0.6	
SEP 08, 1993 23h 00m 06.32s	CNZ 2.49 205 P 04 25.20 0.3	
59.932 N 153.609 W	TTH 2.59 182 P 04 26.00 0.4	
DEPTH = 163.3km	WAHZ 2.78 189 P 04 27.50 0.0	
SOUTHERN ALASKA (2)	PGZ 3.70 188 P 04 36.90 -0.1	
<AEIC>.	MNG 3.83 197 P 04 38.00 -0.5	
	S 05 24.50	
PDB 0.33 244 eP 00 27.38 0.2	KIW 4.21 201 P 04 42.30 -0.4	
eS 00 44.29	MTW 4.35 194 P 04 43.70 -0.6	
OPT 0.34 145 eP 00 28.36 1.1	CAW 4.40 199 P 04 44.20 -0.6	
eS 00 45.22	DIW 4.50 210 P 04 45.80 -0.3	
ILIM 0.36 65 eP 00 28.27 0.9	BLW 4.55 194 P 04 46.80 0.2	
eS 00 45.17	MRW 4.61 201 P 04 46.70 -0.6	
AUW 0.57 173 eP 00 29.17 -0.6	eS 05 39.50	
AUH 0.58 172 eP 00 29.73 -0.2	MOW 4.65 196 P 04 47.20 -0.6	
AUP 0.58 170 eP 00 29.86 -0.1	TCW 4.73 205 P 04 48.20 -0.4	
AUE 0.59 168 eP 00 29.22 -0.6	QRZ 5.17 220 eP 04 53.20 -0.6	
eS 00 45.39	THZ 5.73 212 P 05 00.70 0.2	
RS2 0.68 38 eP 00 29.63 -1.0	eS 06 05.30	
eS 00 47.96	KHZ 6.05 204 P 05 04.40 0.0	
NCT 0.72 28 eP 00 30.16 -0.6	eS 06 11.50	
eS 00 47.98	LTZ 6.84 210 P 05 13.70 -0.3	
RDT 0.88 42 eP 00 31.28 -0.5	eS 06 27.00	
eS 00 50.28	MQZ 7.50 204 P 05 21.50 -0.5	
CDD 1.01 181 iP 00 31.80 -0.9	eS 06 40.70	
eS 00 52.61	ODZ 9.37 208 P 05 47.50 2.1	
HOM 1.03 105 eP 00 31.33 -1.5	S.D. = 0.7 on 29 of 29 obs.	
eS 00 52.58	SEP 08, 1993 23h 06m 37.67± 1.73s	
CNPM 1.27 108 eP 00 34.82 -0.2	38.635 S ± 7.0km 178.081 E ±14.2km	
eS 00 55.82	DEPTH = 87.0 ± 16.3 km	
BKG 1.32 30 eP 00 35.37 -0.2	OFF E. COAST OF N. ISLAND, N.Z. (160)	
BRLK 1.39 96 eP 00 36.10 0.0	NOZ 0.04 296 P 06 47.80 -2.1	
eS 00 57.84	MAHZ 0.57 196 P 06 54.40 1.5	
NKA 1.43 54 eP 00 36.30 -0.2	PAHZ 0.83 254 P 06 55.20 -0.4	
BGL 1.47 24 eP 00 37.07 0.1	URZ 0.85 296 P 06 54.10 -1.6	
SYI 1.47 154 eP 00 36.05 -0.8	eS 07 03.20	
eS 00 58.74	MOH 0.88 235 P 06 57.10 1.0	
SPU 1.47 31 eP 00 36.74 -0.3	HBZ 1.05 10 P 06 59.40 1.4	
eS 00 59.76	TAZ 1.30 288 P 07 01.50 0.4	
CRP 1.52 28 eP 00 37.65 0.0	TTH 1.33 227 eP 07 02.90 1.4	
SVW 1.54 321 P 00 36.70 -1.0	PATZ 1.45 279 P 07 03.20 0.1	
CGLM 1.59 29 eP 00 38.26 0.0	NGZ 2.01 254 P 07 11.40 0.8	
SLKM 1.79 70 eP 00 40.33 0.0	WLZ 2.10 291 eP 07 11.90 0.2	
SUA 2.09 41 eP 00 43.38 -0.4	eS 07 34.60	
eS 01 11.74	PGZ 2.42 215 eP 07 15.80 -0.2	
SEW 2.10 83 eP 00 43.86 0.2	MOZ 2.57 272 eP 07 19.30 1.2	
eS 01 11.19	KUZ 2.66 314 eP 07 18.20 -1.0	
MPA 2.19 73 eP 00 45.38 0.5	MNG 2.82 225 eP 07 21.20 -0.3	
SKT 2.29 25 eP 00 46.28 0.2	S 07 53.60	
PMS 2.39 55 P 00 48.20 0.9	MTW 3.21 217 eP 07 26.40 -0.4	
S 01 17.80	KIW 3.30 227 eP 07 28.00 -0.2	
PTE 2.46 66 eP 00 48.49 0.5	CAW 3.39 222 eP 07 28.30 -1.0	
PWA 2.51 45 eP 00 49.02 0.4	MRW 3.67 224 eP 07 32.30 -0.9	
eS 01 20.63	S.D. = 1.2 on 19 of 19 obs.	
PWL 2.78 68 eP 00 52.29 0.3		
eS 01 24.16		
		SEP 08, 1993 23h 52m 39.46± 0.75s
		26.874 S ± 7.2km 26.645 E ± 7.2km
		DEPTH = 5.0km (geophysicist)
		REPUBLIC OF SOUTH AFRICA (584)
		ML 2.7 (PRE).
		BFS 0.13 101 iPc 52 41.80 -0.4
		S 52 42.60
		KSR 1.03 13 eP 52 59.00 -0.5
		S 53 14.00
		SWZ 1.22 255 eP 53 03.00 0.3
		S 53 19.50
		SEK 1.69 149 eP 53 10.50 0.6
		S 53 33.00
		SLR 1.86 53 iPd 53 13.00 0.7
		S 53 40.00
		BLF 2.26 190 eP 53 17.50 -0.7
		S 53 44.00
		S.D. = 0.8 on 6 of 6 obs.
		SEP 08, 1993 23h 58m 06.97± 0.57s
		40.432 S ± 6.8km 173.220 E ± 7.6km
		DEPTH = 180.0km (geophysicist)
		COOK STRAIT, NEW ZEALAND (163)
		DIW 0.65 125 P 58 33.80 1.1
		S 58 52.50
		QRZ 0.66 233 P 58 34.00 1.3
		S 58 52.50
		TCW 1.12 135 P 58 36.80 1.0
		NRZ 1.22 27 P 58 37.50 0.8
		THZ 1.35 190 P 58 38.80 0.9
		S 59 01.20
		KIW 1.36 109 P 58 38.40 0.5
		MRW 1.38 126 P 58 38.60 0.5
		S 59 00.30
		WEL 1.45 127 P 58 39.40 0.6
		eS 59 01.50
		BSZ 1.46 65 P 58 39.40 0.6
		CAW 1.56 116 P 58 40.20 0.4
		MNG 1.73 97 Pd 58 41.80 0.2
		S 59 05.80
		MOW 1.83 123 P 58 42.50 -0.1
		MTW* 1.88 114 P 58 43.00 -0.1
		KHZ 2.00 173 P 58 44.50 0.2
		S 59 11.20
		CNZ 2.17 56 P 58 45.80 -0.7
		NGZ 2.22 56 P 58 46.20 -0.8
		MOZ 2.28 33 P 58 46.80 -0.7
		eS 59 17.30
		PGZ 2.34 96 P 58 47.90 -0.2
		LTZ 2.46 197 P 58 49.70 0.1
		S 59 20.10
		WAHZ 2.51 74 P 58 49.40 -0.9
		TEHZ 2.79 82 P 58 52.70 -0.8
		WVZ 3.23 214 P 58 58.20 -0.7
		MQZ 3.30 187 P 58 57.90 -1.8
		S 59 35.70
		ODZ 4.99 202 P 59 20.20 -1.2
		S.D. = 0.8 on 24 of 24 obs.
		SEP 09, 1993 00h 00m 15.68± 0.46s
		40.448 N ± 4.6km 28.953 E ± 3.7km
		DEPTH = 5.0km (geophysicist)
		TURKEY (366)
		ML 2.8 (ISK).

09d 00h

IZI 0.41 105 iPg 00 24.30 0.3
 iSg 00 29.30
 KCT 0.50 247 iPg 00 26.30 0.7
 iSg 00 33.30
 ISK 0.62 7 ePg 00 28.80 0.7
 HRT 0.66 55 ePg 00 28.50 -0.4
 eSg 00 37.50
 BNT 0.79 264 ePg 00 31.30 -0.3
 eSg 00 42.30
 CTT 0.80 331 iPg 00 31.80 0.1
 eSg 00 42.80
 EDC 0.84 263 ePg 00 31.60 -0.8
 eSg 00 43.60
 DST 0.88 197 ePg 00 32.90 -0.1
 EYL 0.93 82 iPg 00 33.30 -0.6
 ALT 1.65 147 ePn 00 46.00 0.5

S.D. = 0.6 on 10 of 10 obs.

? SEP 09, 1993 00h 14m 59.90± 1.33s
 18.323 N ±14.4km 101.727 W ±11.8km
 DEPTH = 33.0km (normal)
 GUERRERO, MEXICO (59)

MRX 1.46 20 iP 15 23.50 -0.7
 iS 15 47.50
 CGX 2.14 310 (P) 15 34.50 0.3
 III 2.15 88 iP 15 35.50 1.2
 iS 16 08.00
 CRX 2.22 61 eP 15 38.50 3.1X
 (S) 16 14.00
 ACX 2.29 129 eP 15 35.50 -0.7
 iS 16 09.00
 UNM 2.61 67 (P) 15 47.00 6.1X
 PPM 3.03 75 eP 15 47.00 -0.2
 iS 16 33.00
 OXX 4.93 104 (P) 16 34.50 20.7X

S.D. = 1.2 on 5 of 8 obs.

SEP 09, 1993 00h 32m 40.17± 0.63s
 32.367 N ± 6.7km 20.648 E ± 6.1km
 DEPTH = 33.0km (normal)
 4.5mb (33 obs.)
 NEAR COAST OF LIBYA (401)

VAM 4.23 43 eP 33 46.50 2.5
 VLI 4.73 23 eP 33 53.80 2.8
 NPS 5.04 54 eP 34 00.00 4.5X
 eS 35 00.50
 VLS 5.80 360 eP 34 04.90 -1.2
 eS 35 12.80
 ATH 6.13 23 eP 34 12.80 2.0
 eS 35 24.50
 AGG 6.78 11 eP 34 20.96 1.0
 eS 35 38.04
 IGT 7.15 358 eP 34 25.28 0.1
 eS 35 43.64
 KEK 7.36 355 eP 34 26.00 -2.1
 SRN 7.52 356 ePn 34 27.80 -2.4
 LIT 7.86 10 eP 34 34.71 -0.4
 eS 36 02.76
 TPE 7.93 356 iPnc 34 32.50 -3.5X
 PAIG 7.93 17 eP 34 34.92 -1.1
 eS 36 01.16
 KZN 7.97 6 iPc 34 35.50 -1.2
 VLO 8.14 354 ePn 34 38.60 -0.3
 OUR 8.39 18 eP 34 42.00 -0.4
 eS 36 17.00
 FNA 8.42 4 eP 34 41.98 -0.9
 eS 36 14.56
 THE 8.46 12 eP 34 42.52 -0.8
 eS 36 12.72
 GRG 8.69 9 eP 34 45.39 -1.2
 eS 36 23.00
 SOH 8.71 14 eP 34 45.47 -1.4
 eS 36 24.20
 OHR 8.73 1 iPn 34 44.70 -2.4
 i 34 53.20
 i 36 11.70
 i 36 21.20
 Lg 36 35.00
 KNT 8.96 11 eP 34 48.52 -1.8
 eS 36 27.88
 TIR 8.99 356 ePn 34 48.20 -2.4
 SRS 9.05 14 eP 34 49.23 -2.2
 eS 36 29.08
 SGNT 9.14 281 iPd 34 47.00 -5.8X
 HLW 9.50 102 ePn 34 56.00 -1.7

ALN 9.55 25 eP 35 00.48 2.1
 ZGN 9.59 297 iPd 34 49.50 -9.5X
 SKO 9.61 4 ePn 35 27.00 27.8X
 i 36 41.00
 BCK 9.61 55 eP 35 00.00 0.6
 SDA 9.71 355 ePn 35 01.50 0.9
 CSS 10.88 73 eP 35 15.50 -1.2
 HVAR 11.29 344 ePn 35 17.40 -4.8X
 iSn 37 19.40
 FAM 11.43 73 eP 35 25.00 0.9
 MLR 13.73 16 eP 35 59.50 4.6X
 VBY 13.77 344 ePn 35 51.70 -3.5X
 iSn 38 18.80
 VRI 14.28 17 eP 36 02.50 0.6
 KBA 15.72 341 i(P) 36 18.10 -2.7
 1.2s 25.30nm 4.3mb

i 36 27.70
 i 36 33.30
 i 39 05.20
 KIS 15.92 21 eP 36 28.00 4.8X
 Z 16s 0.30um

eS 39 36.00
 ZST 16.04 351 e(P) 36 25.00 0.3
 e 36 22.30
 e 39 08.70
 e 39 25.00
 UZH 16.30 4 eP 36 38.50 10.5X
 WTTA 16.39 338 i(P) 36 31.70 2.3
 1.1s 36.00nm 4.4mb

i 36 37.40
 i 36 40.60
 WATA 16.47 338 iPc 36 30.70 0.3
 i 36 39.80
 i 36 44.30

SQTA 16.49 337 i(P) 36 33.90 3.3X
 1.4s 46.10nm 4.4mb
 i 36 42.40

MOTA 16.64 337 iP 36 33.10 0.6
 0.9s 12.60nm 4.0mb
 i 36 38.30

i 36 51.30
 SPC 16.81 359 eP 36 43.30 8.7X
 LPG 16.96 325 eP 36 37.20 0.5

0.9s 32.25nm 4.5mb
 LPL 16.98 325 eP 36 37.50 0.6
 1.1s 31.00nm 4.3mb

GEC2 17.27 344 ePn 36 42.10 1.7
 0.8s 2.34nm 3.4mb X
 e 36 48.90

e 36 51.80
 e 37 01.10
 e 37 02.60

KHC 17.57 344 eP 36 46.50 2.5X
 1.4s 14.50nm 3.9mb
 e 36 56.90

e 37 19.80
 WET 17.75 343 iPc 37 01.40 15.2X
 PRU 18.18 347 eP 36 55.50 4.0X

e 37 14.50
 e 37 59.00
 e 40 28.80

GRF 18.68 341 eP 36 51.00 -6.7X
 Z 22s 0.10um
 BSF 18.69 330 eP 37 02.00 4.2X

1.0s 11.60nm 4.0mb
 KSP 18.74 351 eP 37 00.00 1.6
 ECHE 18.90 298 eP 37 04.20 3.8X

CDF 18.94 332 eP 37 06.10 5.1X
 1.3s 17.35nm 4.1mb
 BRG 19.14 347 e(P) 37 03.40 0.2

SMF 19.22 323 eP 37 04.90 0.8
 0.9s 11.95nm 4.1mb
 LBF 19.38 324 eP 37 07.20 1.2

1.1s 11.50nm 4.1mb
 MOX 19.45 343 eP 37 10.60 3.8X
 1.7s 47.00nm 4.5mb

Z 19s 0.10um 5.1Mszz
 e 40 59.00
 AVF 19.56 322 eP 37 08.10 0.1

1.1s 17.60nm 4.3mb
 LOR 19.63 324 eP 37 09.80 1.0
 0.9s 8.20nm 4.0mb

SSF 19.67 323 eP 37 09.60 0.4
 1.2s 14.30nm 4.1mb
 CLL 19.75 346 e(P) 37 12.00 2.0

1.3s 21.00nm 4.3mb
 LFF 19.92 315 eP 37 07.80 -4.0X

KIV 0.7s 19.95nm 4.5mb
 20.77 50 iPd 37 24.40 3.6X
 1.1s 1507.00nm 6.3mb X
 ELUQ 21.04 291 eP 37 16.90 -6.7X
 MFF 21.35 318 eP 37 25.80 -0.7
 1.1s 33.95nm 4.7mb
 DOU 21.36 331 Pc 37 36.30 9.8X
 ENN 21.36 334 eP 37 32.50 5.9X
 0.9s 29.90nm 4.7mb
 TAB 21.70 68 eP 37 24.00 -6.4X
 EPRU 21.75 289 eP 37 30.00 -0.7
 EJIF 21.90 288 eP 37 26.00 -6.2X
 WTS 22.06 337 eP 37 41.00 7.4X
 0.9s 13.20nm 4.4mb

GRO 22.52 54 iPd 37 45.00 6.8X
 1.5s 160.00nm 5.3mb
 MAK 23.62 56 (P) 37 54.00 5.1X
 OBN 25.36 22 eP 38 07.00 1.5

1.5s 70.00nm 5.0mb
 HFS 28.15 353 eP 38 28.10 -3.0X
 0.5s 1.10nm 3.8mb

ARU 35.53 36 eP 39 37.00 1.2
 1.5s 80.00nm 5.4mb
 FRU 43.36 60 eP 40 43.00 2.0

2.0s 40.00nm 4.8mb
 KSH 44.77 65 P 40 55.50 2.9X
 0.7s 90.00nm 5.8mb X

LSZ 47.92 170 iPd 41 14.00 -3.5X
 HYB 54.00 91 eP 42 03.00 -0.6
 GBA 54.89 96 Pd 42 08.90 -1.1

0.6s 4.00nm 4.6mb
 DMN 55.29 77 P 42 13.40 0.2
 KKN 55.37 77 P 42 13.80 0.1

GUN 55.82 76 P 42 17.20 0.1
 ZAK 61.40 46 eP 42 56.00 0.9
 1.0s 10.00nm 4.9mb

SHL 61.67 76 eP 42 56.00 -1.6
 GTA 62.61 59 eP 43 03.80 0.2
 1.5s 12.00nm 4.8mb

LMN 64.66 310 eP 43 12.50 -4.4X
 LZH 66.82 61 eP 43 31.50 0.5
 1.0s 24.00nm 5.2mb

CD2 68.93 66 Pd 43 44.70 0.5
 1.0s 22.00nm 5.2mb
 CHTO 70.53 80 eP 43 53.00 -1.0

XAN 71.46 61 P 43 59.50 0.0
 1.2s 10.00nm 4.7mb
 sP 44 12.50

TIY 72.33 56 Pd 44 05.40 0.7
 GYA 73.21 69 P 44 10.40 0.3
 IMA 81.78 358 eP 44 57.90 1.1

0.8s 3.79nm 4.5mb
 BALM 85.90 352 eP 45 18.20 0.4
 NEW 91.28 333 eP 45 41.79 -1.8

0.9s 5.26nm 4.9mb
 WRA 120.04 96 PKP 51 27.80 -1.7
 0.6s 0.90nm

WB2 120.05 96 ePKP 51 26.70 -2.8X
 0.8s 3.20nm
 S.D. = 1.4 on 67 of 102 obs.

? SEP 09, 1993 00h 47m 18.05± 2.54s
 40.551 N ±33.5km 28.938 E ± 7.1km
 DEPTH = 5.0km (geophysicist)

TURKEY (366)
 ML 2.5 (ISK).

IZI 0.46 118 iPg 47 27.30 0.0
 iSg 47 32.30
 KCT 0.54 236 ePg 47 28.80 0.0

eSg 47 36.80
 BNT 0.80 256 ePg 47 34.30 0.2
 eSg 47 45.30

EDC 0.85 256 iPg 47 34.60 -0.3
 iSg 47 46.60
 S.D. = 0.3 on 4 of 4 obs.

SEP 09, 1993 01h 17m 52.49± 0.62s
 47.909 N ± 7.6km 9.364 E ± 4.5km
 DEPTH = 10.9 ± 4.5 km

GERMANY (543)
 ML 3.0 (LDG), 3.0 (STR), 2.6
 (VIE), 2.6 (GRF).

SLE 0.60 257 iP+ 18 06.50 1.9
 ZLA 0.78 237 eP+ 18 08.40 0.7
 FEL 0.91 268 ePg 18 11.00 1.1

09d 01h

LLS	1.07	194	ePd	18	13.20	0.5	BNT	0.82	270	iPg	34	25.30	-0.3	? SEP 09, 1993 03h 20m 52.14± 5.61s						
MOTA	1.30	115	iPg	18	17.40	0.7			eSg	34	36.30		44.097 N ±19.4km 128.557 W ±41.4km							
			i	18	31.70		EDC	0.86	270	iPg	34	26.60	0.3	DEPTH = 10.0km (geophysicist)						
			iSg	18	33.70		S.D. = 0.4	on	4	of	4	obs.	OFF COAST OF OREGON (30)							
BBS	1.33	251	Pn	18	15.98	-1.0	% SEP 09, 1993 01h 34m 53.76± 0.47s						TKO	3.85	69	P	21	52.92	0.1	
			Pg	18	19.12		40.466 N ± 5.5km 28.942 E ± 3.5km						KMOR	3.92	65	P	21	53.00	-0.7	
OSS	1.33	156	iPd	18	16.30	-0.8	DEPTH = 5.0km (geophysicist)						HSO	4.00	96	P	21	54.09	-0.7	
HOFF	1.39	318	Pg	18	23.28	5.5X	TURKEY (366)						SSOR	4.43	78	P	22	00.58	-0.4	
VDL	1.42	177	ePd	18	17.50	-1.0	ML 2.7 (ISK).						BMW	4.45	56	eP	22	00.49	-0.7	
SQTA	1.43	118	iPg	18	20.00	1.6							HBO	4.51	91	P	22	02.90	0.7	
			i	18	22.40		IZI	0.43	107	iPg	35	01.80	-0.5	PGO	4.56	70	P	22	02.94	0.3
			i	18	24.70								RVW	4.60	61	P	22	03.26	0.0	
			iSg	18	37.40		KCT	0.50	244	iPg	35	03.30	-0.4	CPW	4.77	51	P	22	05.53	-0.3
WLS	1.44	291	Pg	18	24.00	5.5X							MTMW	4.89	65	P	22	07.17	-0.4	
CDF	1.49	291	Pn	18	19.70	0.5	HRT	0.66	57	ePg	35	07.00	0.1	ERK	4.92	61	P	22	07.65	-0.3
			Pg	18	24.30		CTT	0.78	330	iPg	35	09.80	0.3	SHW	4.94	63	eP	22	08.06	-0.2
			Sg	18	42.30								TDH	4.97	74	P	22	08.12	-0.6	
ECH	1.51	283	Pg	18	24.92	5.4X	BNT	0.79	262	iPg	35	09.30	-0.2	TDL	5.01	61	P	22	09.56	0.2
WATA	1.60	110	i(Pg)	18	24.70	3.8X							VBEM	5.07	77	P	22	10.52	0.4	
			i	18	41.20		EDC	0.83	262	iPg	35	09.60	-0.7	VLL	5.08	72	P	22	11.17	0.9
			i(Sg)	18	43.40								LMW	5.11	58	P	22	10.98	0.4	
WTTA	1.67	112	iPg	18	23.60	1.7							VFP	5.20	74	P	22	12.36	0.4	
			i	18	28.80		DST	0.89	196	iPg	35	12.00	0.6	HDW	5.23	45	P	22	13.49	1.1
			i	18	42.30		EYL	0.93	83	iPg	35	11.80	-0.3	GULW	5.26	67	P	22	12.91	0.1
			i	18	43.00		MFT	1.30	285	ePn	35	19.00	0.6	GMW	5.31	47	eP	22	12.61	-0.8
			iSg	18	43.60		ALT	1.67	147	ePn	35	24.50	0.6	ASR	5.34	65	P	22	13.71	-0.2
BSF	1.73	268	Pn	18	22.00	-0.8	S.D. = 0.6	on	10	of	10	obs.	RVC	5.43	56	P	22	15.60	0.4	
			Pg	18	27.90		% SEP 09, 1993 02h 04m 06.85s						LCN	5.44	58	eP	22	14.81	-0.5	
LOMF	1.80	253	Pg	18	28.57	4.8X	34.213 N 117.590 W						WFW	5.58	60	P	22	17.54	0.2	
TMA	1.83	191	ePd	18	23.20	-1.2	DEPTH = 4.1km						FMW	5.61	57	P	22	17.76	0.0	
HAU	2.03	274	Pn	18	26.50	-0.5	SOUTHERN CALIFORNIA (43)						VGB	5.71	73	P	22	19.20	0.1	
			Pg	18	32.50		<PAS-P>. ML 2.6 (PAS).						RMW	5.80	52	P	22	20.22	-0.1	
			Sg	18	59.80								JCW	6.16	46	P	22	26.02	0.6	
GRF	2.17	34	iPg	18	38.40	9.4X	SSK	0.09	268	iPc	04	08.92	0.1	CMW	6.22	44	P	22	25.84	-0.4
			eSg	19	04.90		PEC	0.48	132	iPc	04	15.69	-0.8	TEM	6.37	58	P	22	28.78	0.4
KBA	2.82	106	iPg	18	46.90	8.4X							MBW	6.57	42	P	22	31.16	-0.1	
			i	18	50.90		PLM	1.05	145	iPc	04	25.85	-1.5	S.D. = 0.5	on	32	of	32	obs.	
			i	18	52.20															
			iSg	19	23.50		GSC	1.26	31	eP	04	30.31	-0.6	* SEP 09, 1993 03h 32m 54.05± 0.52s						
LPL	3.00	218	Pg	18	49.50	8.5X	ABL	1.49	296	eP	04	34.53	-0.1	21.494 S ±16.7km 174.545 W ± 9.9km						
LPG	3.01	218	Pg	18	50.50	9.3X							DEPTH = 38.5km (3 depth phases)							
GEC2	3.04	70	Pn	18	40.60	-0.9	ISA	1.62	334	eP	04	37.22	0.9	4.9mb (22 obs.) 4.7msz (1 obs.)						
			Pg	18	52.30								TONGA ISLANDS (173)							
			Sg	19	32.00		BCH	2.27	296	eP	04	46.47	0.6	SVA	7.39	296	eP	34	47.20	4.9X
KHC	3.06	65	Pn	18	40.50	-1.1	GLA	2.58	116	ePn	04	49.10	-1.0	BKM	16.66	280	iPc	36	55.70	9.3X
			ePg	18	52.40								DZM	17.67	265	iPc	37	02.90	3.8X	
			eSn	19	14.50								CTA	36.61	265	iP	39	58.00	-0.8	
			eSg	19	30.00		8 obs. associated													
LOR	3.78	262	Pg	19	05.20	13.2X	SEP 09, 1993 03h 01m 28.76± 0.36s						STK	40.30	246	iPd	40	29.70	0.3	
			Sg	19	53.90		40.348 N ± 4.3km 25.977 E ± 3.3km						1.0s	5.50nm				4.3mb		
PRU	4.00	57	ePn	19	12.80	17.8X	DEPTH = 9.5 ± 3.1 km						ASPA	47.44	257	eP	41	26.00	-1.2	
			Sg	20	06.00		AEGEAN SEA (365)						1.0s	24.60nm				5.2mb		
S.D. = 1.2	on	16	of	27	obs.		ML 3.5 (ISK), 3.0 (THE). MD 2.9													
							(ATH).						WB2	47.65	262	eP	41	27.30	-1.5	
% SEP 09, 1993 01h 31m 43.95± 1.86s							ALN	0.55	5	iPg	01	39.09	-0.8	1.2s	11.50nm			4.8mb		
39.538 N ±12.1km 23.639 E ±13.8km													WRA	47.66	262	P	41	28.00	-0.9	
DEPTH = 10.0km (geophysicist)							EZN	0.59	153	iPg	01	39.50	-1.1	NANU	64.25	255	eP	43	26.00	-1.9
AEGEAN SEA (365)													SPA	68.64	180	iPc	43	56.20	0.9	
ML 2.9 (THE).							RDO	0.86	337	iPc	01	43.80	-1.6	1.0s	5.00nm			4.5mb		
PAIG	0.39	5	iPg	31	52.46	0.5							MAT	72.95	322	eP	44	20.00	-1.5	
			eSg	32	01.18								1.2s	31.25nm			5.2mb			
OUR	0.84	18	iPg	32	00.30	0.2	MFT	1.09	66	iPg	01	49.30	0.0	BCH	76.44	43	eP	44	43.07	1.3
			eSg	32	12.00								MHC	76.84	41	ePd	44	43.59	-0.4	
LIT	1.05	303	ePg	32	03.82	0.1	PRK	1.12	168	eP	01	49.00	-0.9	1.1s	10.00nm			4.8mb		
			eSg	32	19.98		EDC	1.44	89	iPn	01	55.60	0.6	ISA	77.77	44	(P)	44	49.24	0.2
AGG	1.14	244	ePb	32	05.38	0.1	BNT	1.48	89	iPn	01	56.30	0.7	1.2s	17.00nm			5.0mb		
			eSb	32	19.98		OUR	1.52	270	ePb	01	56.00	-0.1	CMB	78.05	41	ePd	44	49.65	-0.9
SOH	1.30	350	ePb	32	07.62	-0.4							1.3s	10.00nm			4.7mb			
			eSb	32	27.46		PAIG	1.81	257	ePb	02	00.16	-0.1	ORV	78.36	39	ePd	44	51.46	-0.7
SRS	1.58	359	ePb	32	11.34	-0.7							1.5s	10.00nm			4.6mb			
GRG	1.70	327	ePb	32	13.77	-0.1	KCT	1.82	92	ePn	02	01.30	0.8	WDC	78.43	38	eP	44	52.34	-0.1
KNT	1.72	341	ePb	32	14.34	0.3	SRS	1.97	294	ePn	02	03.00	0.4	1.4s	16.50nm			4.8mb		
S.D. = 0.5	on	8	of	8	obs.								LGPM	78.48	37	eP	44	52.66	-0.3	
? SEP 09, 1993 01h 34m 09.71± 1.15s							CTT	2.03	66	ePn	02	03.80	0.4	GSC	78.64	45	(P)	45	02.12	8.3X
40.357 N ±57.2km 28.992 E ± 6.1km							SOH	2.05	284	ePn	02	04.96	1.1	MEMM	78.71	42	(P)	44	55.35	1.3
DEPTH = 10.0km (geophysicist)													MIN	78.81	38	ePd	44	53.60	-1.2	
TURKEY (366)							DST	2.17	109	iPn	02	05.70	0.2	1.2s	10.00nm			4.7mb		
ML 2.5 (ISK).							IZM	2.19	153	ePn	02	06.00	0.2	YBH	79.09	37	ePd	44	56.06	-0.1
IZI	0.37	93	iPg	34	17.30	0.0	KNT	2.48	290	ePn	02	10.16	0.3	1.4s	10.00nm			4.6mb		
			iSg	34	24.30								BONR	79.28	42	eP	44	56.86	-0.7	
KCT	0.50	258	iPg	34	19.80	0.0							LBFM	79.30	38	(P)	44	56.82	-0.7	
			eSg	34	26.80								TNP	80.04	42	eP	45	01.91	0.4	
							IZI	2.67	89	ePn	02	12.00	-0.8	1.5s	27.67nm			5.0mb		
							HRT	2.85	79	ePn	02	15.00	-0.2	TUC	81.09	50	eP	45	09.49	2.4
							ALT	3.44	111	ePn	02	23.50	-0.1	1.3s	9.31nm			4.6mb		
							S.D. = 0.8	on	19	of	19	obs.								

09d 03h

BMW 82.01 33 (P) 45 11.19 -0.3
 ARUT 82.28 44 (P) 45 14.14 0.9
 SHW 82.33 34 eP 45 13.83 0.6
 LON 82.92 33 eP 45 15.17 -1.0
 GNM 82.96 32 eP 45 15.97 -0.4
 NJ2 83.01 308 eP 45 17.40 0.5
 MDJ 83.21 323 eP 45 18.50 0.9
 RMW 83.39 33 (P) 45 17.61 -1.0
 MSU 83.52 44 eP 45 20.22 0.5
 CP2 84.41 11 eP 45 22.41 -1.2
 CRP 84.42 11 eP 45 21.50 -2.1
 SRU 84.92 45 eP 45 26.24 -0.4
 CN2 85.08 321 Pc 45 28.40 1.4
 1.2s 32.00nm 5.4mb
 TTA 85.41 8 eP 45 28.03 -0.4
 1.2s 15.97nm 5.1mb
 PV10 85.51 46 eP 45 29.92 0.2
 ALQ 85.54 50 eP 45 29.95 0.1
 1.2s 8.87nm 4.8mb
 KLU 85.84 13 eP 45 29.90 -0.7
 TIA 86.34 311 Pd 45 34.90 1.4
 FBA 88.55 11 eP 45 42.35 -1.2
 1.0s 10.76nm 5.1mb
 BJ1 88.88 314 eP 45 47.00 1.4
 2.0s 62.00nm 5.6mb
 TIY 90.36 311 eP 45 54.00 1.3
 MEO 91.20 53 iPc 46 01.50 4.9X
 HHC 92.37 313 eP 46 04.00 2.1
 KMI 92.68 296 Pd 46 06.20 2.3
 1.4s 60.00nm 5.8mb
 CHTO 93.62 289 ePc 46 10.00 2.0
 0.9s 8.74nm 5.2mb
 INK 94.41 14 eP 46 22.00 11.4X
 1.0s 3.00nm
 LZH 95.94 306 eP 46 18.50 -0.1
 1.2s 25.00nm 5.6mb
 Z 25s 0.32um 4.7MsZ
 SVE 126.63 326 ePKP 51 54.00 -0.6
 EKA 145.60 9 PKPc 52 40.50 11.0X
 1.5s 31.10nm
 KSP 149.50 346 ePKP 52 39.50 3.6X
 CLL 149.66 351 iPKP 52 40.30 4.2X
 1.9s 50.00nm
 UZH 149.75 338 ePKP 52 41.50 5.2X
 1.0s 31.00nm
 BRG 149.93 349 ePKP 52 42.00 5.5X
 1.3s 16.00nm
 SPC 149.96 340 iPKP 52 42.80 5.9X
 MOX 150.50 352 ePKP 52 43.40 6.0X
 1.8s 37.00nm
 PRU 150.67 348 PKP 52 43.40 5.7X
 1.8s 0.10um 4.7MsZ
 DOU 151.45 1 PKP 52 57.70 18.9X
 GRF 151.49 352 ePKP 52 46.00 7.0X
 KHC 151.67 349 PKPc 52 45.60 6.3X
 1.3s 13.30nm
 ZST 151.76 343 ePKP 52 45.00 5.6X
 1.3s 4.35nm
 GEC2 151.92 348 ePKP 52 46.00 6.3X
 1.3s 4.35nm
 52 53.40
 52 57.90
 53 08.90
 53 11.30
 S.D. = 1.2 on 48 of 67 obs.
 SEP 09, 1993 03h 35m 37.28± 0.31s
 40.353 N ± 3.5km 25.861 E ± 3.0km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 4.0 (THE), 3.6 (ISK).
 ALN 0.56 14 iP 35 48.74 0.1
 EZN 0.64 146 iPg 35 49.00 -1.0
 RDO 0.83 343 iPc 35 53.50 0.2
 PRK 1.15 164 eP 35 58.80 0.0

MFT 1.17 68 eS 36 14.00
 OUR 1.44 270 iPn 35 58.80 -0.3
 EDC 1.53 90 iPn 36 05.60 0.9
 PAIG 1.73 256 eP 36 08.30 0.8
 SRS 1.89 295 eP 36 09.70 -0.1
 KCT 1.91 92 ePn 36 10.30 0.1
 SOH 1.97 285 eP 36 11.94 0.9
 CTT 2.11 67 iPn 36 13.30 0.3
 IZM 2.23 150 ePn 36 15.00 0.1
 DST 2.25 108 iPn 36 15.20 0.0
 KNT 2.39 291 eP 36 17.02 -0.1
 HRT 2.94 80 ePn 36 25.00 0.1
 ALT 3.52 110 ePn 36 33.50 0.2
 OHR 3.92 283 ePn 36 54.20 15.3X
 MLR 5.14 1 eP 36 55.50 -0.7
 VRI 5.55 6 eP 37 01.50 -0.4
 52 41.50
 S.D. = 0.6 on 19 of 20 obs.
 SEP 09, 1993 04h 34m 09.45± 1.12s
 66.534 N ± 10.5km 13.023 E ± 26.4km
 DEPTH = 10.0km (geophysicist)
 NORTHERN NORWAY (646)
 MD 2.8 (BER).
 LOF 1.62 7 eP 34 37.92 -0.1
 NSS 2.06 193 eP 34 45.72 1.2
 ARAO 5.57 52 Pn 35 34.42 0.2
 NRAO 5.86 187 Pn 35 36.96 -1.4
 HFS 6.43 177 eP 35 46.60 0.1
 0.1s 0.30nm 4.1mb X
 S.D. = 1.3 on 5 of 5 obs.
 SEP 09, 1993 05h 09m 08.93± 0.29s
 35.867 N ± 3.4km 115.824 W ± 3.0km
 DEPTH = 5.0km (geophysicist)
 CALIFORNIA-NEVADA BORDER REGION (40)
 ML 3.5 (GS), 3.6 (PAS).
 GSC 0.98 235 iPd 09 28.21 0.2
 ISA 2.16 265 eP 09 45.48 -0.7
 SSK 2.25 223 ePn 09 48.83 1.2
 PEC 2.26 210 eP 09 47.60 0.1
 TNP 2.48 334 ePnc 09 50.80 0.0
 PLM 2.65 199 ePn 09 53.13 -0.1
 ARUT 2.71 44 iPd 09 54.55 0.5
 BONR 2.88 317 ePn 09 56.45 -0.2
 GLA 2.93 163 ePnc 09 55.97 -1.1
 ABL 2.96 251 ePn 09 57.10 -0.5
 MEMM 3.08 307 ePn 09 58.39 -0.7
 MMPM 3.11 305 ePn 09 59.46 -0.4
 BCH 3.54 260 ePn 10 06.99 1.2
 PHAM 3.72 271 ePn 10 09.15 0.9
 MSU 3.93 47 ePnd 10 12.23 0.7
 CMB 4.25 302 ePn 10 15.49 -0.3
 ARN 4.83 290 ePn 10 23.69 -0.3

DUG 4.93 28 eS 11 40.28
 SRU 5.31 51 ePn 10 25.01 -0.6
 TUC 5.48 129 ePn 10 32.99 -0.4
 DAU 5.79 37 (Pn) 10 38.27 0.4
 PV09 5.95 62 ePn 10 39.95 -0.2
 PV10 5.97 63 ePn 10 40.01 -0.4
 PV08 6.33 63 (Pn) 10 47.13 1.5X
 HVU 6.37 21 ePn 10 45.54 -0.3
 ALQ 7.70 94 ePn 11 02.89 -1.8X
 13 33.54
 13 08.25
 S.D. = 0.7 on 24 of 26 obs.
 SEP 09, 1993 05h 20m 46.00± 1.62s
 23.817 S ± 17.5km 66.915 W ± 11.6km
 DEPTH = 201.7 ± 19.3 km
 JUJUY PROVINCE, ARGENTINA (128)
 HJA 1.51 67 iPd 21 20.50 0.3
 YJA 2.09 39 ePd 21 26.50 0.0
 MOCB 2.81 25 P 21 29.30 -5.2X
 ANT 3.21 271 iPc 21 38.00 -0.6
 CNCB 7.04 352 P 22 29.70 1.6
 LPB 7.33 351 P 22 32.00 0.1
 LPAZ 7.58 351 P 22 35.40 0.1
 SIV 9.53 36 P 22 57.70 -2.4
 PPD 14.49 86 (P) 24 04.00 0.9
 S.D. = 1.5 on 8 of 9 obs.
 SEP 09, 1993 05h 57m 05.97± 0.53s
 35.865 N ± 5.5km 115.794 W ± 6.5km
 DEPTH = 5.0km (geophysicist)
 CALIFORNIA-NEVADA BORDER REGION (40)
 ML 3.2 (GS), 3.0 (PAS).
 GSC 1.00 236 iPd 57 24.82 -0.6
 ISA 2.19 265 eP 57 42.15 -1.4
 PEC 2.27 210 eP 57 45.81 1.1
 SSK 2.27 224 ePn 57 46.05 1.2
 TNP 2.49 333 ePn 57 47.47 -0.5
 PLM 2.66 200 eP 57 50.38 0.0
 ARUT 2.69 44 eP 57 51.18 0.3
 BONR 2.90 317 ePn 57 54.54 0.6
 GLA 2.92 164 eP 57 52.80 -1.2
 ABL 2.98 251 eP 58 01.60 6.6X
 MEMM 3.10 306 ePg 58 03.11 6.7X
 BCH 3.56 260 (Pn) 58 03.62 0.4
 MSU 3.92 46 ePn 58 08.50 0.2
 DUG 4.92 28 (Pn) 58 22.38 -0.1
 DAU 5.78 37 (Pg) 58 54.16 19.4X
 S.D. = 0.9 on 12 of 15 obs.
 SEP 09, 1993 06h 00m 04.30± 1.25s
 40.151 N ± 12.0km 30.031 E ± 7.8km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 GPA 0.25 57 iPg 00 09.50 0.0
 EYL 0.43 13 iPg 00 12.80 -0.1
 IZI 0.47 294 iPg 00 13.30 -0.4
 DST 1.21 244 ePn 00 27.00 -0.3
 KCT 1.29 275 iPn 00 29.30 0.7
 S.D. = 0.6 on 5 of 5 obs.
 SEP 09, 1993 07h 48m 10.29± 0.23s
 17.696 S ± 6.1km 174.894 W ± 7.4km
 DEPTH = 204.7km (8 depth phases)
 4.6mb (21 obs.)
 TONGA ISLANDS (173)
 DZM 18.08 253 iPc 52 11.10 1.8

OHR	1.01	67	iPnc	41	36.90	-1.9
			iSn	41	53.20	
			Lg	41	58.50	
KEK	1.02	170	ePb	41	39.50	0.5
ULC	1.26	349	iPgc	41	43.49	1.0
			iSg	42	01.65	
IGT	1.32	154	eP	41	45.74	2.4
			iS	42	06.50	
SDA	1.33	358	ePn	41	46.00	2.6
			iSn	42	04.00	
FNA	1.37	87	iP	41	43.92	-0.2
			eS	42	00.24	
BDV	1.66	341	iPnd	41	48.91	0.8
			iSn	42	10.55	
BCI	1.68	13	iPnd	41	49.90	1.3
			iSn	42	13.00	
TTG	1.72	352	iPnc	41	49.99	1.0
			iSn	42	13.34	
KZN	1.73	103	ePb	41	50.10	0.9
SKO	1.88	48	iPn	41	52.30	0.9
			iSn	42	17.00	
			iSg	42	21.10	
			Lg	42	21.70	
PVY	1.89	9	iPnc	41	53.56	1.9
			iSn	42	19.21	
HCY	1.90	335	iPnc	41	51.81	0.1
			iSn	42	16.12	
NKY	2.13	349	iPnd	41	55.84	0.7
			iSn	42	22.91	
GRG	2.16	83	iP	41	55.53	0.1
			eS	42	21.08	
IVA	2.16	6	iPnc	41	57.34	1.8
			iSn	42	25.28	
BRY	2.31	341	iPnd	41	57.71	0.1
			iSn	42	26.40	
LIT	2.31	105	eP	41	58.01	0.4
			iS	42	26.40	
KNT	2.56	79	eP	42	01.01	-0.1
PLE	2.61	357	iPnd	42	02.85	0.9
			iSn	42	35.37	
VLS	2.66	162	ePn	42	01.70	-0.9
AGG	2.72	128	eP	42	04.72	1.3
			eS	42	38.32	
SOH	2.87	87	eP	42	05.68	0.1
			eS	42	38.25	
SRS	3.07	81	eP	42	08.24	-0.1
			eS	42	43.44	
PAIG	3.24	103	eP	42	09.96	-0.8
HVAR	3.38	318	i(Pn)	42	12.60	-0.2
			iSn	42	50.60	
OUR	3.38	95	eP	42	12.44	-0.3
VBV	5.73	328	ePn	42	44.70	-1.3
			iSn	43	48.90	
MLR	6.67	42	eP	43	00.00	0.7
VOY	6.73	324	ePn	42	58.80	-1.3
			eSn	44	11.90	
NB2	20.98	349	P	46	01.80	-2.2
	0.5s		1.10nm			3.5mb
S.D. = 1.2 on 34 of 35 obs.						
* SEP 09, 1993 08h 49m 00.50± 1.19s						
4.356 S ±14.8km 135.705 E ±11.6km						
DEPTH = 10.0km (geophysicist)						
4.5mb (2 obs.)						
IRIAN JAYA REGION, INDONESIA (196)						
TLE	3.21	246	ePc	49	52.50	0.6
JAY	5.31	70	ePd	50	21.40	-0.5
			e	51	10.50	
MTN	9.57	208	eP	51	22.00	0.6
	0.3s		110.00nm			6.7mb X
			eS	53	09.00	
KNA	13.22	211	eP	52	08.90	-2.0
WB2	15.55	185	iPc	52	40.70	-0.9
	0.6					

09d 08h

41.071 N \pm 4.6km 20.055 E \pm 4.9km
 DEPTH = 5.0km (geophysicist)
 ALBANIA (391)
 ML 3.5 (THE). ML 2.9 (TIR).

TIR	0.31	333	iPgc	56	04.70	0.2
			iSg	56	12.00	
VLO	0.74	215	ePg	56	14.00	1.1
TPE	0.78	182	iPgc	56	12.00	-1.8
FNA	1.04	106	iP	56	16.30	-2.1
			eS	56	27.00	
SDA	1.07	337	ePn	56	19.50	0.8
			iSn	56	35.00	
ULC	1.08	326	iPg	56	18.03	-0.9
			iSg	56	34.81	
SRN	1.19	182	ePn	56	22.70	1.8X
			iSn	56	42.20	
BCI	1.29	0	iPn	56	21.40	-1.3
			iSn	56	40.50	
TTG	1.48	337	iPnd	56	24.90	-0.6
			iSn	56	48.79	
BDV	1.52	323	iPnd	56	26.20	0.1
			iSn	56	49.78	
PVY	1.52	358	iPnc	56	25.29	-1.0
			iSn	56	48.79	
IGT	1.55	172	iP	56	33.77	7.2X
			iS	56	54.14	
GRG	1.78	93	iP	56	28.82	-1.0
HCY	1.80	320	iPnc	56	30.87	0.7
			iSn	56	58.00	
IYA	1.80	356	iPnd	56	30.31	0.1
			iSn	56	57.65	
NKY	1.91	336	iPnc	56	32.05	0.2
			iSn	57	00.61	
LIT	2.09	117	eP	56	34.78	0.4
BRY	2.15	329	iPnd	56	35.91	0.6
			iSn	57	06.81	
KNT	2.15	87	eP	56	36.22	1.0
THE	2.25	100	eP	56	37.86	1.2
PLE	2.31	348	iPnc	56	37.76	0.1
			iSn	57	09.87	
SOH	2.51	95	eP	56	41.54	1.1
SRS	2.67	88	eP	56	43.62	0.9
AGG	2.69	139	eP	56	44.94	2.0X
			eS	57	16.90	

S.D. = 1.0 on 21 of 24 obs.

% SEP 09, 1993 09h 24m 33.11 \pm 0.86s
 39.080 N \pm 7.4km 27.581 E \pm 8.9km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

Izm	0.73	200	ePg	24	47.30	-0.1
			eSg	24	59.00	
DST	0.97	57	ePn	24	51.80	0.3
EZN	1.23	308	iPn	24	56.10	0.2
EDC	1.28	10	ePn	24	56.60	-0.3
KCT	1.31	27	iPn	24	57.30	-0.1

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

& SEP 09, 1993 09h 42m 37.65s
 32.340 N 115.357 W
 DEPTH = 6.0km (geophysicist)
 CALIF.-BAJA CALIF. BORDER REGION(45)
 <PAS-P>. ML 2.6 (PAS).

GLA	0.84	32	ePc	42	52.15	-2.1
PLM	1.62	309	eP	43	04.11	-2.9
			eS	43	27.83	
PEC	2.16	316	eP	43	11.71	-3.1
			eS	43	42.86	
SSK	2.70	314	eP	43	20.33	-2.3
GSC	3.19	338	(P)	43	27.41	-2.0

5 obs. associated

SEP 09, 1993 09h 45m 14.06 \pm 0.23s
 60.248 N \pm 2.5km 153.226 W \pm 3.3km
 DEPTH = 126.7 \pm 2.0 km
 4.5mb (11 obs.)

SOUTHERN ALASKA (2)
 Felt (II) at Homer. Felt in the
 southern part of the Kenai
 Peninsula.

INW	0.19	165	eP	45	31.43	1.2
INE	0.21	156	iPc	45	31.45	1.1

ILIM	0.22	142	iPc	45	31.31	1.1
RED	0.28	53	iPc	45	32.06	1.6
RDW	0.31	41	iPc	45	32.50	1.8
NCT	0.35	25	P	45	32.70	2.0
RDN	0.35	41	eP	45	32.82	2.0
REF	0.36	47	iPc	45	32.70	1.8
DFR	0.44	38	iPc	45	32.95	0.2
RDT	0.52	51	P	45	33.40	0.2
OPT	0.60	180	P	45	32.70	-1.0
PDB	0.67	227	iPd	45	33.43	-0.7
			eS	45	47.90	
AUL	0.88	187	P	45	34.70	-1.1
AUW	0.89	188	iPd	45	34.91	-1.0
AUH	0.89	187	P	45	35.00	-1.1
AUP	0.89	186	iPd	45	34.93	-1.2
AUE	0.90	185	iPd	45	34.66	-1.3
AGU	0.90	187	P	45	35.00	-1.1
AUI	0.92	186	P	45	35.00	-1.2
BKG	0.95	29	iPc	45	37.57	1.0
HOM	0.99	126	iPd	45	36.07	-0.8
CKL	1.05	24	iPc	45	38.78	1.2
CKT	1.08	27	iPc	45	38.87	1.0
BGL	1.10	22	iPc	45	39.50	1.5
SPU	1.10	31	P	45	38.90	0.9
			S	45	58.10	
XLV	1.10	136	iPd	45	36.37	-1.6
			eS	45	53.99	
NKA	1.10	62	iPc	45	39.84	1.9X
CKN	1.11	27	P	45	39.40	1.3
CP2	1.13	25	ePc	45	39.56	1.1
CRP	1.15	27	ePc	45	39.31	0.7
CNPM	1.24	125	iPd	45	38.18	-1.2
			eS	45	56.25	
BRLK	1.27	111	eP	45	38.95	-0.8
			eS	45	56.38	
NCG	1.27	24	iPc	45	41.18	1.3
BGM	1.33	231	P	45	39.70	-0.7
CDD	1.34	189	iPd	45	38.72	-1.8X
SVW	1.46	307	ePc	45	42.09	0.2
SLKM	1.52	79	iPc	45	41.57	-0.9
SYI	1.70	165	iPd	45	42.50	-2.1X
SUA	1.72	44	iPc	45	45.88	0.9
			eS	46	10.25	
SEW	1.89	93	P	45	45.50	-1.4
SKT	1.92	25	ePc	45	48.46	1.1
			eS	46	15.36	
MPS	1.94	81	P	45	46.70	-0.8
PMS	2.06	59	P	45	49.00	-0.1
PWA	2.16	48	P	45	50.40	0.2
PTE	2.17	72	P	45	49.20	-1.1
			S	46	14.70	
PLRM	2.41	54	P	45	52.50	-1.0
PMR	2.41	54	eP	45	51.86	-1.6X
PWL	2.49	74	eP	45	53.08	-1.5X
KDC	2.54	171	ePd	45	51.26	-3.8X
			eS	46	18.56	
CUT	2.59	32	P	45	56.40	0.6
GHO	2.59	52	iPd	45	55.22	-0.7
			eS	46	26.78	
LTI	2.70	92	P	45	54.50	-2.7X
KNIM	2.74	86	eP	45	55.57	-2.1X
			eS	46	27.81	
MTU	2.80	93	P	45	57.40	-1.2
CFI	2.84	68	eP	45	57.25	-1.8X
SML	2.85	55	iPd	45	58.30	-1.0
			eS	46	31.31	
TTA	3.00	335	ePc	46	01.11	-0.2
			eS	46	31.85	
HUR	3.23	30	eP	46	04.60	0.3
SCM	3.28	58	iPd	46	03.88	-1.1
HIN	3.35	85	eP	46	03.53	-2.3X
FID	3.38	79	eP	46	03.44	-2.8X
			eS	46	42.62	
VZW	3.38	73	eP	46	04.32	-2.0X
KTH	3.49	17	ePd	46	08.30	0.5
TRF	3.50	22	ePd	46	08.31	0.3
VLZ	3.50	72	eP	46	05.89	-2.0X
MID	3.57	100	P	46	07.90	-0.9
			S	46	48.50	
CVA	3.72	82	eP	46	08.53	-2.3X
KLU	3.78	68	ePd	46	10.05	-1.7X
RND	3.79	31	eP	46	11.78	0.0
TOA	3.89	58	P	46	12.50	-0.6
DHY	3.98	42	ePd	46	14.09	-0.3
SGAM	3.99	83	eP	46	12.01	-2.4X
MCK	4.04	28	eP	46	15.49	0.4
RAGM	4.26	84	eP	46	15.52	-2.5X

SDG	4.34	55	ePd	46	18.45	-0.8
KAIM	4.42	90	eP	46	18.96	-1.3
HMT	4.46	85	eP	46	19.70	-1.1
NEA	4.75	22	eP	46	24.35	-0.4
GLB	4.76	71	eP	46	23.21	-1.7X
MLY	4.94	12	eP	46	26.82	-0.4
CRQM	5.01	80	eP	46	26.60	-1.8X
CCB	5.08	27	eP	46	28.77	-0.4
HDA	5.09	32	eP	46	29.08	-0.3
WAX	5.16	83	eP	46	27.74	-2.5X
TGL	5.16	80	eP	46	29.66	-0.8
MDM	5.26	24	eP	46	31.30	-0.3
FBA	5.30	26	eP	46	31.23	-0.9
CYK	5.37	87	eP	46	32.24	-0.8
ILB	5.40	30	eP	46	32.68	-0.9
ILL	5.40	30	eP	46	32.65	-0.9
BALM	5.41	77	eP	46	32.12	-1.7X
GLM	5.46	27	ePd	46	34.06	-0.4
YAH	5.71	84	eP	46	37.17	-0.8
TMW	5.75	53	eP	46	37.58	-0.7
IM3	5.76	358	ePd	46	39.28	0.8
IMA	5.85	358	ePd	46	40.06	0.3
CTGM	5.90	78	eP	46	40.07	-0.5
SDN	6.27	221	eP	46	41.57	-3.8X
PRP	6.35	30	ePd	46	45.75	-0.9
YKU	6.83	90	eP	46	50.58	-2.3X
ANM	7.11	313	eP	46	57.47	0.7
FYU	7.28	26	eP	46	57.35	-1.7X
BM3	8.13	24	ePd	47	08.41	-2.3X
SIT	9.85	101	eP	47	30.63	-3.0X
INK	11.71					

09d 09h

NB2 58.45 9 P 54 55.60 -2.5
 0.9s 2.80nm 4.3mb
 HFS 59.52 8 eP 55 03.30 -2.2
 0.5s 1.90nm 4.4mb
 NUR 59.56 1 eP 55 04.90 -0.8
 0.4s 2.50nm 4.6mb
 WMQ 65.00 316 eP 55 42.00 -0.1
 1.4s 10.00nm 4.6mb
 S.D. = 1.0 on 128 of 155 obs.

* SEP 09, 1993 09h 50m 41.80± 1.65s
 46.528 N ± 17.0km 10.632 E ± 10.5km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.0 (VIE).

OSS 0.37 295 iPc 50 49.50 0.0
 SQTA 0.80 30 iPg 50 56.90 -0.5
 iSg 51 05.90
 VDL 0.80 267 ePd 50 56.80 -0.7
 MOTA 0.88 21 iPg 50 59.70 0.9
 iSg 51 10.00
 WTTA 1.01 43 iPg 51 00.70 -0.3
 i(Sg) 51 14.40
 LLS 1.18 287 eP 51 08.20 4.3X
 TMA 1.29 252 ePd 51 06.50 0.7
 S.D. = 0.8 on 6 of 7 obs.

SEP 09, 1993 10h 01m 02.98± 0.93s
 46.558 N ± 11.3km 10.677 E ± 5.9km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.8 (VIE).

OSS 0.39 289 iPc 01 10.90 -0.1
 OGA 0.39 38 iPg 01 11.00 -0.1
 iSg 01 16.40
 SQTA 0.76 29 iPg 01 17.70 -0.2
 iSg 01 28.20
 VDL 0.84 266 iPc 01 18.00 -1.3
 MOTA 0.84 20 iPg 01 19.30 0.0
 iSg 01 31.30
 SCE 0.86 56 iPg 01 18.40 -1.2
 WTTA 0.96 43 iPg 01 20.70 -0.8
 iSg 01 34.30
 WATA 0.99 38 iPg 01 21.20 -0.7
 i 01 33.30
 i 01 39.00
 LLS 1.20 286 ePc 01 25.00 -0.4
 TMA 1.33 251 ePd 01 26.80 -0.8
 KBA 1.90 73 iPg 01 37.30 1.3
 iSg 02 02.70
 i 02 03.30
 SLE 1.92 310 ePc 01 37.90 1.9
 MMK 1.95 256 ePc 01 37.90 1.3
 GEC2 3.07 41 Pn 01 53.50 1.1
 Pg 02 08.20
 Sn 02 30.40
 Sg 02 39.30
 KHC 3.23 36 ePn 02 02.50 7.7X
 ePg 02 11.60
 eSn 02 35.00
 eSg 02 44.00
 S.D. = 1.1 on 14 of 15 obs.

% SEP 09, 1993 10h 39m 25.42± 0.92s
 39.674 N ± 9.1km 29.460 E ± 9.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.65 264 ePg 39 38.70 0.3
 eSg 39 49.70
 IZI 0.66 1 iPg 39 38.80 0.1
 eSg 39 48.30
 ALT 0.80 141 ePg 39 41.00 0.0
 KCT 1.02 304 ePn 39 45.30 0.5
 EDC 1.40 299 ePn 39 50.00 -1.0
 S.D. = 0.8 on 5 of 5 obs.

& SEP 09, 1993 10h 42m 12.60s
 34.243 N 116.424 W
 DEPTH = 3.1km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 2.6 (PAS), 2.7 (GS).

PEC 0.70 240 ePd 42 25.75 -0.9

PLM 0.96 202 iPd 42 30.52 -1.1
 SSK 1.05 269 iPc 42 32.05 -1.2
 eS 42 47.73
 GSC 1.10 344 ePd 42 32.96 -1.0
 eS 42 49.40
 GLA 1.78 131 ePn 42 42.23 -2.3
 ISA 2.20 311 ePn 42 50.90 0.3
 eS 43 21.97
 ABL 2.39 286 ePn 42 52.45 -1.0
 TNP 3.88 351 Pg 43 23.41 8.7
 BONR 4.00 338 ePg 43 27.00 10.5
 9 obs. associated

& SEP 09, 1993 11h 23m 04.83s
 64.962 N 139.024 W
 DEPTH = 0.0km
 SOUTHERN YUKON TERRITORY, CANADA (18)
 <AEIC>. ML 3.3 (AEIC).

TMW 2.39 228 eP 23 46.51 0.5
 eS 24 17.17
 PRP 2.79 284 eP 23 50.82 -0.9
 eS 24 27.62
 FYU 3.02 305 P 23 50.70 -4.2
 HDA 3.45 264 eP 24 00.29 -0.7
 eS 24 44.43
 GLM 3.56 274 eP 24 03.59 1.1
 eS 24 47.84
 FBA 3.73 273 P 24 04.60 -0.4
 CCB 3.77 269 eP 24 04.55 -0.9
 SDG 3.79 233 eP 24 04.76 -1.1
 MDM 3.91 274 eP 24 07.00 -0.6
 INK 4.01 31 P 24 11.00 2.2
 0.5s 9.00nm 4.4mb X
 GLB 4.14 214 eP 24 09.84 -1.0
 BALM 4.22 203 eP 24 11.39 -0.6
 TGL 4.57 204 eP 24 17.20 0.3
 CRQM 4.62 206 eP 24 18.18 0.5
 KLU 4.67 225 eP 24 18.19 -0.2
 YAH 4.78 196 eP 24 20.47 0.4
 WAX 4.86 203 iP 24 21.86 0.8
 VLZ 5.08 224 eP 24 23.78 -0.2
 TRF 5.15 258 eP 24 23.59 -1.6
 VZW 5.20 225 eP 24 25.33 -0.5
 HMT 5.23 210 eP 24 27.58 1.3
 FID 5.43 222 eP 24 30.47 1.4
 22 obs. associated

% SEP 09, 1993 11h 24m 05.17± 0.83s
 39.625 N ± 7.6km 29.494 E ± 7.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.67 269 ePg 24 17.70 -0.8
 eSg 24 28.70
 IZI 0.71 359 iPg 24 18.80 -0.4
 iSg 24 28.30
 ALT 0.74 140 ePg 24 20.00 0.2
 EYL 1.07 28 ePn 24 25.30 -0.1
 KCT 1.07 306 iPn 24 26.30 0.9
 EDC 1.45 300 ePn 24 31.60 0.2
 S.D. = 0.8 on 6 of 6 obs.

% SEP 09, 1993 11h 58m 30.56± 0.82s
 39.265 N ± 6.9km 27.698 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.80 64 ePg 58 46.20 0.1
 eSg 58 58.20
 IZM 0.93 202 ePg 58 48.30 -0.1
 EDC 1.09 7 ePn 58 51.60 0.6
 BNT 1.10 9 ePn 58 50.50 -0.8
 KCT 1.11 27 iPn 58 51.30 0.0
 EZN 1.20 298 ePn 58 53.00 0.1
 S.D. = 0.6 on 6 of 6 obs.

% SEP 09, 1993 12h 00m 52.22± 0.81s
 39.128 N ± 6.7km 27.591 E ± 8.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.77 199 ePg 01 07.30 0.0

eSg 01 19.30
 DST 0.93 59 ePg 01 10.00 -0.1
 EZN 1.20 306 ePn 01 14.70 0.1
 EDC 1.24 10 ePn 01 15.10 -0.1
 BNT 1.25 12 ePn 01 15.00 -0.5
 KCT 1.27 28 ePn 01 16.30 0.6
 S.D. = 0.4 on 6 of 6 obs.

SEP 09, 1993 12h 12m 57.13± 0.75s
 40.355 N ± 8.9km 26.024 E ± 6.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 3.0 (ISK), 2.5 (THE).

ALN 0.54 2 iPg 13 07.85 -0.2
 eSg 13 16.54
 EZN 0.58 156 iPg 13 07.70 -1.1
 eSg 13 16.70
 MFT 1.05 65 iPg 13 15.80 -1.2
 EDC 1.41 90 ePn 13 23.60 0.8
 BNT 1.45 89 ePn 13 24.00 0.6
 KCT 1.79 93 ePn 13 29.00 0.7
 PAIG 1.85 257 ePn 13 29.94 0.8
 eSn 13 53.90
 SRS 2.00 293 ePn 13 32.98 1.6
 eSn 13 56.46
 KNT 2.51 290 ePn 13 36.50 -2.1
 eSn 14 12.26
 S.D. = 1.4 on 9 of 9 obs.

SEP 09, 1993 12h 15m 59.77± 0.62s
 9.627 N ± 11.1km 78.334 W ± 4.3km
 DEPTH = 61.5 ± 7.7 km
 4.7mb (1 obs.)
 PANAMA (81)
 MD 4.4 (UPA).

UPA 1.35 242 iPc 16 22.24 -0.5
 eS 16 34.58
 ECO 1.37 259 eP 16 23.93 0.9
 eS 16 35.82
 DVD 4.23 254 eP 17 03.12 -0.1
 eS 17 46.23
 BRU 4.25 259 ePd 17 03.39 -0.5
 eS 17 48.68
 SDV 7.64 95 iPnd 17 50.60 -0.4
 iSn 19 13.50
 TOV 8.42 88 ePnc 18 02.50 0.8
 iSn 19 31.60
 CANV 9.46 81 eP 18 16.40 0.5
 MORO 9.94 82 iPc 18 21.50 -1.0
 iS 20 08.30
 GUAC 10.91 86 iPd 18 35.70 -0.2
 OLLA 11.37 87 iP 18 41.00 -1.0
 LLAV 11.38 85 iP 18 42.90 0.8
 LPAZ 27.66 158 P 21 45.40 0.8
 CNCB 28.19 159 eP 21 50.00 0.6
 LRM 46.40 327 eP 24 23.60 1.4
 e 24 41.50
 e 24 48.60
 YKA 58.92 341 eP 25 54.00 -0.6
 0.8s 4.90nm 4.7mb
 GEC2 84.17 42 ePKP 28 45.80 20.1X
 0.8s 1.41nm
 ASPA 146.21 242 ePKP 35 33.10 -1.4
 0.5s 7.00nm
 GBA 146.67 47 PKP 35 36.70 1.3
 0.7s 2.00nm
 WB2 146.84 248 ePKP 35 34.60 -1.0
 0.6s 3.00nm
 WRA 146.85 248 PKP 35 35.20 -0.4
 0.6s 1.40nm
 S.D. = 0.9 on 19 of 20 obs.

% SEP 09, 1993 12h 47m 25.23± 0.87s
 39.652 N ± 7.6km 29.529 E ± 7.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).

IZI 0.69 356 iPg 47 38.30 -0.6
 eSg 47 48.80
 DST 0.70 266 ePg 47 38.60 -0.4
 eSg 47 49.10
 ALT 0.75 143 ePg 47 40.00 0.1
 EYL 1.03 28 ePn 47 45.00 0.2
 KCT 1.08 304 iPn 47 46.30 0.7

09d 12h

S.D. = 0.7 on 5 of 5 obs.

SEP 09, 1993 12h 48m 33.63± 0.76s
35.513 N ± 7.1km 27.935 E ± 5.1km
DEPTH = 53.2 ± 10.0 km
3.9mb (9 obs.)
DODECAESE ISLANDS (369)
MD 4.2 (ATH).

NPS	1.91	263	ePn	49	04.60	0.2
ELL	2.02	52	iPn	49	07.00	1.0
CIN	2.09	3	iPd	49	08.00	1.2
BCK	2.89	47	ePn	49	19.70	1.4
IZM	2.93	350	ePn	49	18.30	-0.5
VAM	3.05	269	ePn	49	21.60	1.1
KHL	3.08	24	ePn	49	22.00	1.0
PPCY	3.67	99	eP	49	28.00	-1.2
ALT	3.94	25	ePn	49	39.00	5.9X
PRK	3.95	341	ePn	49	31.90	-1.3
DST	4.12	7	ePn	49	34.60	-1.0
ATH	4.18	307	ePn	49	36.60	0.2
VLI	4.22	288	ePn	49	36.30	-0.7
CSS	4.45	96	ePd	49	38.20	-2.0
			eS	50	30.00	
EZN	4.49	344	ePn	49	40.20	-0.5
EDC	4.83	359	ePn	49	44.60	-0.9
IZI	4.97	14	ePn	49	52.00	4.4X
EYL	5.34	19	eP	50	02.00	9.1X
ALN	5.58	345	eP	49	56.64	0.6
AGG	5.68	310	eP	49	58.04	0.5
LIT	6.29	318	ePn	49	09.24	-56.8X
OHF	7.92	317	eP	50	32.50	3.8X
MLR	10.08	352	eP	50	58.50	-0.1
VBY	13.86	320	ePn	51	50.70	1.8
GEC2	16.95	326	ePn	52	29.30	0.7
	0.8s		1.47nm			3.2mb

		e	52	35.10	
		e	52	38.70	
		e	52	45.80	
		e	52	49.50	
KHC	17.22	327 eP	52	32.50	0.7
	1.0s	5.40nm			3.6mb
		e	52	39.00	
LPG	18.90	308 eP	52	53.00	0.3
	0.8s	6.30nm			3.9mb
CDF	19.97	317 eP	53	03.10	-1.1
	0.6s	2.70nm			3.8mb
SMF	21.21	309 eP	53	16.50	-0.3
	1.0s	12.80nm			4.2mb
LBF	21.26	310 eP	53	17.10	-0.2
	0.7s	5.85nm			4.0mb
LOR	21.45	311 eP	53	17.70	-1.5
	0.9s	5.90nm			4.0mb
SSF	21.59	310 eP	53	18.40	-2.1
	0.6s	4.95nm			4.1mb
BCAO	32.12	198 iPc	54	59.20	1.0
	0.8s	7.00nm			4.5mb
DMN	48.77	82 P	57	19.60	4.1X
KCN	48.84	83 P	57	17.80	1.8

S.D. ≈ 1.2 on 29 of 35 obs.

? SEP 09, 1993 12h 52m 59.95 \pm 3.46s
39.585 N \pm 26.8km 29.476 E \pm 16.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

DST	0.66	272	ePg	53	13.10	0.0
			eSg	53	24.10	
IZI	0.75	360	iPg	53	14.80	0.1
			iSg	53	24.80	
KCT	1.09	308	ePn	53	20.30	-0.1
EYL	1.11	28	ePn	53	20.80	-0.1

S.D. = 0.2 on 4 of 4 obs.

% SEP 09, 1993 13h 12m 43.08± 0.80s
39.261 N ± 6.7km 27.707 E ± 7.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

DST	0.79	64	ePg	12	58.50	0.0
			eSg	13	10.00	
IZM	0.93	202	ePg	13	00.80	-0.1
			eSg	13	15.80	
EDC	1.09	6	ePn	13	03.60	0.0
BNT	1.11	8	ePn	13	03.30	-0.5

KCT	1.11	27	iPn	13	04.30	0.4
EZN	1.21	298	iPn	13	05.70	0.1
	S.D. = 0.4	on		6 of	6 obs.	

SEP 09, 1993 13h 32m 16.20± 0.63s
 18.145 S ± 5.9km 178.448 W ± 5.8km
 DEPTH = 600.7 ± 8.5 km
 4.6mb (36 obs.)

FIJI ISLANDS REGION				(181)	
SVA	2.94	270	eP	33 35.60	0.1
BKM	12.68	270	iPd	35 03.70	2.1
DZM	14.72	252	iPc	35 22.90	1.3
OZU	18.42	201	P	36 00.00	3.3X
KUZ	19.23	194	P	36 05.50	1.3
URZ	20.41	190	eP	36 13.50	-1.5
NOZ	20.63	188	P	36 18.40	1.4
MNG	23.00	192	eP	36 36.50	-1.9
QRZ	23.90	197	P	36 46.80	0.4
THZ	24.68	196	P	36 54.20	0.9
L TZ	25.79	196	P	37 01.70	-1.4
WVZ	26.49	198	P	37 07.90	-1.2
LMZ	27.52	199	eP	37 16.20	-1.8
BRS	28.03	246	iPd	37 22.80	0.1
0.8s		18.00nm		4.8mb	

		i	38	58.00	
BWZ	28.07	198 P	37	21.30	-1.5
ARMA	29.79	240 iPd	37	38.70	0.8
	0.6s	31.00nm			5.1mb
CTA	33.37	261 iPd	38	08.00	0.1
	0.8s	22.39nm			4.8mb
		i	43	23.00	
CAN	33.53	233 iPd	38	10.10	0.9
BWA	33.65	235 eP	38	10.00	-0.2
PMG	34.46	280 eP	38	18.00	1.0
TOO	36.99	231 iPc	38	39.10	1.5
	0.4s	46.00nm			5.5mb
STK	38.49	241 eP	38	49.00	-0.8
	1.0s	31.80nm			4.8mb
ADE	41.48	237 iPd	39	14.90	1.1
MHA	44.05	31 eP	39	32.85	-1.0
DHH	44.08	28 eP	39	32.62	-1.5
WB2	44.54	260 iPd	39	36.90	-0.9
	0.5s	80.90nm			5.5mb
WRA	44.55	260 P	39	37.50	-0.4
	0.6s	15.40nm			4.7mb
ASPA	44.69	254 iPd	39	38.90	-0.1
	0.7s	235.20nm			5.8mb X
		iS	45	31.10	
		e	48	31.40	

MTN	48.76	269	eP	40	08.50	-1.3
FORT	49.87	245	iPd	40	17.10	-0.7
MBL	57.89	256	iPd	41	13.40	-0.9
	0.4s		25.00nm			4.8mb
KLB	58.69	244	iPd	41	18.50	-1.1
	0.6s		22.00nm			4.6mb
BAL	59.65	245	iPd	41	25.10	-0.8
	0.6s		21.00nm			4.5mb
MUN	59.98	243	iPc	41	28.00	-0.1
NANU	61.62	254	eP	41	38.80	-0.1

ADK	0.4s	31.00nm		5.0mb
	69.74	1 eP	42 26.13	-2.2
	0.6s	12.35nm		4.6mb
SAO	76.62	44 ePc	43 07.98	0.4
	0.9s	20.00nm		4.6mb
BCH	76.64	46 iPc	43 08.38	0.5
MHC	76.82	43 ePc	43 09.29	0.5

ARN	76.90	43 ePc	43	09.56	0.4
ABL	77.05	46 ePc	43	10.62	0.4
KMPM	77.09	40 eP	43	10.45	0.3
PLM	77.92	49 iPc	43	15.21	0.4
PEC	77.98	48 eP	43	15.04	0.1
	0.6s	11.67nm			4.5mb
ISA	78.01	46 iPc	43	15.61	0.5

ISA	78.04	43 iPc	43	15.01	-0.5
	0.9s	36.21nm			4.8mb
CMB	78.04	43 iPc	43	15.13	-0.1
	1.0s	20.00nm			4.5mb
WDC	78.15	40 iPc	43	15.68	0.0
	1.4s	26.04nm			4.5mb
LGPM	78.17	40 eP	43	16.34	0.4
ORV	78.19	41 iPc	43	15.86	0.0

	1.0s	10.00nm		4.2mb
MDJ	78.36	325 eP	43 17.10	0.5
MIN	78.59	41 ePc	43 17.70	-0.4
KDC	78.63	14 eP	43 16.37	-1.4
	1.1s	17.90nm		4.4mb

YBH	78.73	39 iPc	43 19.32	0.5
	0.8s	20.0nm		4.6mb
MEMM	78.78	44 ePd	43 20.32	1.4
GSC	78.97	47 eP	43 19.59	-0.6
LBFM	79.00	40 iPc	43 20.81	0.5
BONR	79.36	44 iPc	43 22.99	0.6
TNP	80.15	45 eP	43 26.65	0.2
	0.8s	9.30nm		4.3mb

CN2	80.18	322 P	43	26.40	0.2
	1.0s	7.00nm			4.1mb
SVW	81.08	11 eP	43	29.11	-1.3
	0.8s	16.16nm			4.6mb
BMW	81.31	35 iPc	43	32.15	0.2
SHW	81.68	36 ePc	43	34.48	0.6
TUC	81.87	52 ePc	43	37.29	2.2
	1.2s	26.21nm			4.6mb
GMW	82.20	34 eP	43	36.39	0.1
LON	82.25	35 eP	43	36.40	-0.3
ARUT	82.56	46 ePc	43	39.22	0.6
RMU	82.68	35 iPc	43	38.89	0.1
TTA	82.71	10 iPc	43	37.97	-0.7
	0.9s	10.54nm			4.4mb
PMR	82.84	14 eP	43	37.86	-1.3
	0.5s	13.59nm			4.7mb
KLU	83.51	15 eP	43	41.16	-1.5

MAW	83.63	200 P	43 45.29	2.1
MSU	83.79	46 iPc	43 45.71	1.0
BALM	84.05	17 iPc	43 44.34	-1.1
DPW	84.90	36 eP	43 49.51	-0.2
HVU	84.98	43 ePc	43 50.62	0.3
SRU	85.21	46 (P)	43 51.82	0.3
DAU	85.32	45 eP	43 52.45	0.2
TIY	85.40	312 eP	43 53.60	1.3
NEW	85.72	36 ePd	43 53.29	-0.3
	0.7s	13.60nm		4.8mb
PV09	85.89	47 eP	43 55.42	0.4
PV10	85.90	48 ePc	43 54.88	-0.1
HHAI	85.98	42 eP	43 55.86	0.8
IMA	86.01	10 eP	43 53.64	-1.1
	0.7s	2.51nm		4.1mb
FBA	86.05	13 iPc	43 52.94	-1.8
	0.6s	9.85nm		4.7mb
LMY	86.15	58 iPe	43 56.17	0.0

ATA	88.15	38	iPC	43	38.17	0.0
PV08	86.27	47	eP	43	57.13	0.3
ALQ	86.27	52	eP	43	56.64	-0.1
	1.1s	15.17nm			4.6mb	
XAN	86.37	307	P	43	58.00	0.9
	1.0s	6.30nm			4.3mb	
LRM	87.18	40	eP	44	00.90	0.0
BW06	87.55	43	iPC	44	02.51	-0.2
	0.7s	10.70nm			4.7mb	
		ePP	47	35.87		
GOL	89.05	48	eP	44	10.38	0.7
	1.3s	41.92nm			5.2mb	
RSSD	91.76	44	eP	44	21.73	-0.3
	0.8s	9.53nm			4.9mb	
INK	92.12	15	eP	44	22.00	-0.8
	0.9s	3.00nm			4.3mb	
KAF	132.78	344	iPKP	50	24.00	-0.7
	0.4s	2.00nm				

NUR	134.57	344	iPKP	50	27.00	-1.2
	0.5s		4.00nm			
NB2	136.60	353	PKP	50	21.20	-10.9X
	0.6s		0.60nm			
DCN	144.21	9	iPKPc	50	44.50	-1.2
DLF	144.36	8	iPKPc	50	45.80	-0.1
KSP	145.32	344	iPKPc	50	48.50	0.8

SPC	145.54	338	ePKP	50	49.20	0.8
CLL	145.68	347	iPKP	50	49.50	1.3
	1.0s	42.00nm				
BRG	145.88	346	iPKPc	50	50.20	1.6
	1.0s	20.00nm				
WTS	145.97	354	ePKP	50	50.00	1.4
	0.8s	26.40nm				

MLR	146.01	329	ePKP	50	49.50	0.3
PRU	146.56	345	iPKPc	50	52.10	2.4X
	0.7s	17.70nm				
		i	50	54.50		
MOX	146.59	348	ePKP	50	52.20	2.4X
	1.5s	17.00nm				
ENN	147.27	355	ePKP	50	54.00	3.2X

	0.7s	12.60nm			
ZST	147.46	341	iPKP	50 55.00	3.8X
			e	57 32.70	
GRF	147.58	348	ePKPc	50 55.10	3.7X
KHC	147.59	345	ePKP	50 51.50	0.0

1.0s	12.90nm		% SEP 09, 1993 14h 36m 25.51± 0.56s	CN2	17.88 278 Pc	13 34.00	-1.4
	i	50 55.10	26.901 S ± 6.2km		1.0s	49.00nm	4.6mb
	e	51 08.00	26.692 E ± 5.3km		N 12s	0.24um	
GECC2	147.83 345 ePKP	50 51.80 -0.1	DEPTH = 5.0km (geophysicist)		E 12s	0.33um	
	0.7s	10.33nm	REPUBLIC OF SOUTH AFRICA (584)			esP	
		ec	ML 3.0 (PRE).		KUMJ	19.06 240 eP	13 47.00
		e			SNY	19.65 273 iPc	13 48.90 -0.8
DOU	148.03 356 PKPc	50 55.80 3.8X	BFS 0.08 88 iPc	0.3		1.2s	100.00nm
WLF	148.34 354 iPKPc	50 57.27 4.8X	PRY 0.70 92 iPd	-0.4	Z 20s	0.55um	4.2MsZx
	0.9s	40.50nm	S	36 27.80	KAGJ	19.96 237 eP	14 00.40 1.0
FLN	149.42 3 iPKPc	50 58.90 4.7X	KSR 1.05 10 eP	-0.4	YAK	21.67 333 iPd	14 13.80 -2.8X
	0.9s	41.75nm	SWZ 1.25 257 eP	1.0		1.0s	176.00nm
CDF	149.45 352 iPKPc	50 59.40 5.0X	S	37 08.20	Z 20s	1.90um	4.5MsZ
	0.9s	15.40nm	SEK 1.64 150 iPd	0.2	N 20s	0.60um	
KBA	149.56 344 iPKPc	50 58.90 4.2X	S	37 16.50	E 17s	0.80um	
LDF	149.60 2 iPKPc	50 59.20 4.7X	SLR 1.84 51 iPd	0.4		epP	14 38.00 120kmX
	1.0s	34.40nm	S	37 21.00	DL2	22.02 266 P	14 20.00 -0.3
WATA	149.75 346 iPKPc	50 59.90 4.9X	BLF 2.24 191 iPc	1.0		1.2s	140.00nm
GRR	149.77 3 iPKPc	51 00.00 5.3X	FRS 3.08 203 eP	0.3	BJI	25.54 273 eP	14 54.50 0.2
	0.9s	31.80nm	S	37 52.00		1.5s	170.00nm
WTTA	149.80 346 iPKPc	51 00.20 5.1X	HVD 3.84 196 eP	-0.7	Z 14s	0.29um	4.0MsZx
MOTA	149.84 347 iPKPc	51 00.10 5.0X	PKA 4.43 231 eP	-0.1	CIT	25.57 301 eP	14 54.50 -0.1
SQTA	149.94 347 iPKPc	51 00.30 5.1X	S	38 24.00	SSE	26.29 250 Pc	15 02.00 0.7
HAU	149.96 354 iPKPc	51 00.50 5.4X	SUR 7.48 222 eP	-1.6		1.2s	60.00nm
	0.8s	16.00nm	S	39 40.00	Z 20s	0.50um	4.1MsZ
BSF	150.08 353 ePKP	51 00.70 5.3X	S.D. = 0.8 on 11 of 11 obs.			sP	15 15.50
LFF	150.12 3 iPKPc	51 00.80 5.6X	% SEP 09, 1993 15h 04m 47.65± 0.82s		TIA	26.40 264 Pc	15 02.60 0.3
	0.9s	28.15nm	39.652 N ± 7.3km		NJ2	27.33 255 Pc	15 11.00 0.2
VBV	150.43 340 ePKP	51 01.50 5.7X	DEPTH = 10.0km (geophysicist)			1.0s	42.00nm
LOR	150.89 357 iPKPc	51 02.80 6.3X	TURKEY (366)		Z 16s	0.52um	4.2MsZx
	0.7s	15.20nm	ML 2.6 (ISK).		HHC	28.58 277 Pc	15 22.80 0.7
SSF	151.12 357 iPKPc	51 03.30 6.5X				0.8s	120.00nm
	0.8s	15.60nm	DST 0.64 266 ePg	-0.1	Z 18s	0.73um	4.3MsZ
LBF	151.17 357 iPKPc	51 03.30 6.3X	eSg	05 00.40	N 14s	0.30um	
	0.8s	10.75nm	IZI 0.68 1 ePg	-0.2		ss	20 28.00
MFF	151.59 2 iPKPc	51 04.10 6.6X	ALT 0.78 139 ePg	0.0	ILT	28.94 24 iPd	15 24.00 -0.9
	0.7s	9.80nm	KCT 1.03 306 ePg	0.1		1.2s	50.00nm
BGF	151.65 358 ePKP	51 04.40 6.8X	EYL 1.06 30 ePg	0.1		i	15 38.30 58km
	0.8s	10.50nm	S.D. = 0.2 on 5 of 5 obs.		TIY	29.12 271 eP	15 27.00 0.0
OHR	151.78 328 e(PKP)	51 04.50 6.5X	SEP 09, 1993 15h 09m 28.67± 0.18s		Z 14s	0.71um	4.4MsZx
TCF	151.93 359 iPKPc	51 05.00 7.0X	44.042 N ± 4.6km		N 13s	0.29um	
	0.9s	11.95nm	DEPTH = 48.6km (38 depth phases)		TIK	29.56 346 iPc	15 28.00 -2.5
LSF	151.97 0 iPKPc	51 04.80 6.7X	5.1mb (88 obs.) 4.3MsZ (16 obs.)			1.4s	29.00nm
	0.8s	12.35nm	EAST OF KURIL ISLANDS (222)		BTO	29.77 278 eP	15 40.00 46km
MAF	151.99 358 ePKP	51 05.30 7.2X			N 12s	0.34um	15 32.50 -0.3
	0.8s	8.20nm			E 15s	0.41um	
	S.D. = 1.0 on 104 of 135 obs.					pP	15 38.50 21kmX
* SEP 09, 1993 13h 33m 20.35± 1.13s			KUSJ 4.16 259 P	10 26.60 -4.6X	WHN	31.35 257 eP	15 45.50 -1.1
38.561 N ± 7.4km			eS	11 11.20	Z 20s	0.75um	4.4MsZ
DEPTH = 10.0km (geophysicist)			HOOJ 5.38 254 P	10 45.90 -2.5	ZAK	32.11 298 eP	15 52.50 -0.6
GREECE (364)			eS	11 44.00		1.0s	17.00nm
ML 4.1 (ATH).			YSS 6.09 302 iPnc	10 49.30 -1.0	Z 14s	0.59um	4.8mb
			Z 17s 2.30um	10 57.00 -1.4	E 14s	0.58um	4.4MsZx
			N 12s 1.00um		XAN	33.34 267 P	16 03.00 -1.1
			E 16s 1.50um			1.4s	72.00nm
VLS 0.39 169 iPgc	33 27.00 -1.4		eS	12 01.50	Z 12s	0.30um	5.3mb
KEK 1.27 335 iPbc	33 44.20 0.3		MRRJ 6.92 260 P	11 06.60 -3.4X		pP	16 16.60 53km
KZN 2.00 29 ePn	33 55.00 0.3		eS	12 20.70	TTA	eS	21 24.00
ATH 2.60 102 ePn	34 03.00 -0.2		SKR 7.71 29 ePn	11 17.20 -3.8X		eP	16 24.31 -0.4
VLI 2.67 133 ePb	34 05.20 1.0		Z 16s 2.40um			epP	16 37.75 51km
VAM 4.33 136 ePn	34 29.00 1.3		N 16s 1.40um		LZH	iPd	16 27.50 0.3
PRK 4.56 80 ePb	34 37.00 6.1X		E 16s 1.50um			1.5s	170.00nm
RDO 4.66 55 ePn	34 31.00 -1.4		AOMJ 8.13 248 eP	11 22.30 -4.5X	Z 14s	0.29um	4.2MsZx
	S.D. = 1.3 on 7 of 8 obs.		eS	12 48.00	N 12s	0.28um	
& SEP 09, 1993 14h 21m 51.71s			OFUJ 8.14 235 P	11 20.50 -6.5X		pP	16 40.00 46km
67.650 N 145.377 W			eS	12 45.60	IMA	ePd	16 36.27 -0.1
DEPTH = 27.9km			YAMJ 9.70 236 P	11 42.20 -6.3X		0.8s	17.50nm
NORTHERN ALASKA (676)			NIIJ 10.93 235 P	11 59.60 -5.6X		ePcP	18 55.59
<AEIC>. ML 3.3 (AEIC).			KAKJ 11.00 228 P	11 58.50 -7.7X	KDC	ePd	16 37.26 -1.2
			eS	13 52.30		1.2s	26.70nm
FYU 1.09 177 iP	22 10.58 -0.6		CHJJ 11.76 231 P	12 09.70 -6.8X		epP	16 50.29 49km
	eS	22 24.44		eS	GTA	iPd	16 40.00 0.7
PRP 2.14 182 eP	22 26.27 -0.2		MAT 11.87 235 eP	12 12.00 -5.9X		1.5s	42.00nm
	eS	22 52.67	0.8s 82.09nm	5.8mb	Z 18s	0.40um	5.1mb
GLM 2.80 198 eP	22 35.96 0.4		(S)	14 15.00	N 12s	0.22um	4.3MsZ
	eS	23 09.91	MTMJ 12.08 236 P	12 16.10 -4.7X		pP	16 49.00 30kmX
FBA 2.93 201 eP	22 36.58 -0.8		IIDJ 12.79 232 eP	12 26.40 -3.7X		sP	16 52.00
	eS	23 11.90	eS	14 44.80		PcP	18 57.00
MDM 2.94 204 eP	22 35.69 -1.9		TSRJ 13.88 237 P	12 41.00 -3.4X		eS	22 30.00
	eS	23 12.38	MDJ 14.82 279 eP	12 54.40 -2.3	UER	eP	16 39.50 -1.0
CCB 3.17 199 eP	22 40.55 -0.3		1.1s 34.00nm	4.6mb	CD2	iPd	16 49.40 -0.1
HDA 3.32 192 eP	22 42.78 -0.2		WKYJ 15.02 234 P	13 04.60 5.2X		1.2s	110.00nm
MLY 3.40 222 eP	22 42.24 -2.0		YONJ 15.67 241 P	13 04.00 -3.7X	GYA	iPd	16 53.80 0.0
NEA 3.43 208 eP	22 45.89 1.3		TKSJ 16.10 237 P	13 16.40 3.2X		1.0s	98.00nm
IMA 3.64 248 eP	22 47.59 -0.1		SHNJ 17.84 243 eP	13 29.00 -5.9X		PcP	19 03.40
	10 obs. associated				FBA	eP	16 55.34 -0.6

09d 15h

	0.9s		11.77nm			4.7mb
			e	19	16.70	
NRI	39.91	331	iPc	16	56.40	-2.7
	Z	20s	1.60um			4.9MsZ
			e	17	10.00	52km
			e	19	04.00	
BALM	42.25	42	ePd	17	18.72	0.2
			e	20	27.72	
KMI	42.80	260	Pd	17	24.50	1.0
	1.0s		100.00nm			5.5mb
			pP	17	37.50	48km
WMQ	44.09	293	iPd	17	34.60	1.0
	1.2s		60.00nm			5.2mb
	Z	18s	0.73um			4.6MsZ
			S	24	08.60	
INK	45.00	31	eP	17	41.00	0.5
	1.0s		11.00nm			4.6mb
MBC	47.81	19	eP	18	00.30	-2.3
			PP	19	54.90	
			ScP	23	16.10	
LSA	48.44	274	P	18	09.80	1.1
CHTO	49.55	256	iPd	18	17.30	0.6
	1.0s		22.50nm			5.2mb
NST	50.87	252	eP	18	27.70	1.0
FRU	53.09	297	iP	18	44.00	0.8
	2.0s		60.00nm			5.3mb
GUN	53.26	275	P	18	44.40	-0.6
KKN	53.76	275	P	18	48.60	0.1
KSH	53.88	293	P	18	50.00	0.8
	1.0s		40.00nm			5.4mb
	Z	16s	0.71um			4.8MsZx
			pP	18	59.00	30kmX
DMN	53.99	275	P	18	50.40	0.1
YKA	54.29	35	eP	18	50.90	-0.8
	0.8s		7.90nm			4.8mb
SVE	54.48	317	iPd	18	53.10	-0.1
	0.9s		140.00nm			6.0mb
	Z	16s	0.50um			4.7MsZx
	N	16s	0.20um			
	E	16s	0.30um			
			e	19	06.90	50km
			e	20	00.00	
ARU	55.67	318	iPd	19	01.00	-0.8
	1.0s		150.00nm			6.0mb
	Z	16s	0.50um			4.7MsZx
	N	16s	0.50um			
	E	16s	0.50um			
			e	19	15.00	51km
SNG	56.70	245	eP	19	11.50	1.8
GMW	57.60	53	ePc	19	15.83	0.1
BMW	57.91	55	eP	19	17.71	-0.3
KMOR	58.20	55	P	19	20.26	0.2
RMW	58.22	53	eP	19	20.00	-0.1
FMW	58.57	53	P	19	22.38	-0.4
SHW	58.64	54	ePc	19	22.94	-0.3
NDI	58.98	281	iPd	19	25.00	-0.6
ASR	59.04	54	P	19	25.72	-0.2
WTV	59.15	52	P	19	25.72	-0.9
EBG	59.22	53	P	19	27.38	0.2
SSOR	59.23	56	P	19	27.57	0.3
DAG	59.27	357	eP	19	27.00	0.1
	1.0s		23.00nm			5.3mb
SAW	59.46	52	P	19	27.84	-0.9
VBEM	59.64	55	P	19	29.97	-0.2
VGB	59.87	54	eP	19	31.15	-0.4
			epP	19	44.67	49km
			e	19	55.69	
CROR	60.04	55	P	19	32.68	-0.1
NEW	60.42	50	ePd	19	34.42	-0.9
	1.0s		26.61nm			5.3mb
			epP	19	48.08	49km
JBO	60.45	54	P	19	35.52	0.0
VIPM	60.52	55	P	19	36.28	0.1
FHC	60.55	60	ePd	19	36.90	0.7
	1.0s		40.59nm		</	

ARN	64.10	62	eP	19	59.82	-0.2
CMB	64.42	61	eP	20	01.78	-0.3
	1.0s	15.04nm	e	20	24.51	89kmX
LRM	64.44	50	eP	20	01.80	-0.5
			e	20	15.30	48km
			e	20	36.30	
HYB	65.05	270	eP	19	55.80	-10.5X
			e	20	05.20	30kmX
KAF	65.05	335	iP	20	04.90	-0.7
	0.8s	38.80nm				5.5mb
WB2	65.32	197	iPd	20	05.90	-1.9
	0.7s	10.30nm				5.0mb
WRA	65.33	197	P	20	09.10	1.3
	1.0s	3.20nm				4.3mb
MOS	65.53	325	eP	20	09.00	0.2
	2.0s	160.00nm	e	20	40.00	127kmX
MEMM	65.56	61	ePc	20	10.22	1.0
BONR	65.78	60	ePd	20	11.09	0.0
			ePp	20	24.53	47km
HHAI	66.04	52	ePd	20	12.94	0.5
			ePp	20	26.57	48km
PTI	66.31	53	ePc	20	14.99	0.7
			ePp	20	28.17	46km
TNP	66.38	59	ePd	20	14.49	-0.3
	0.7s	13.51nm	iPp	20	28.16	48km
OBN	66.40	325	iPd	20	13.00	-1.4
	2.0s	180.00nm	i	20	28.00	54km
MAIO	66.41	298	eP	20	15.00	0.1
HVU	66.75	54	ePd	20	17.01	-0.1
			ePp	20	30.50	47km
NUR	66.79	334	iP	20	16.10	-0.7
	0.5s	20.60nm				5.4mb
ISA	67.08	62	eP	20	15.87	-3.3X
	1.0s	6.95nm	ePp	20	29.82	49km
DUG	67.73	55	ePc	20	23.20	-0.1
	0.8s	12.66nm	ePp	20	36.82	48km
BW06	67.97	51	iPd	20	24.19	-0.6
	1.1s	11.69nm	iPp	20	37.81	48km
GBA	68.37	268	Pd	20	26.50	-0.8
	0.7s	9.00nm				4.9mb
GSC	68.37	61	ePd	20	25.62	-1.6
DAU	68.51	54	eP	20	28.62	0.3
			(pP)	20	41.88	46km
ASPA	69.03	196	iPd	20	30.30	-0.9
	1.1s	6.40nm				4.5mb
MSU	69.18	56	eP	20	32.38	0.0
			ePp	20	46.16	48km
UPP	69.43	337	iP	20	32.50	-0.6
SRU	69.78	55	iPd	20	35.60	-0.4
			ePp	20	49.26	48km
GRO	70.05	311	iPc	20	39.00	1.8
RSSD	70.11	48	eP	20	37.15	-0.8
	1.0s	27.60nm	ePp	20	50.55	47km
NB2	70.12	340	P	20	36.80	-0.7
	0.7s	11.40nm				4.9mb
HFS	70.27	339	eP	20	37.10	-1.2
	0.4s	11.70nm				5.2mb
Z	18s	0.10um				4.1MsZ
			LR	50	52.00	
NRA0	70.31	340	iPd	20	38.00	-0.6
KOD	70.61	265	eP	20	41.10	-0.4
MNK	70.87	328	eP	20	39.00	-3.0X
PV09	71.00	55	eP	20	43.10	-0.4
BRS	71.12	178	iPc	20	44.00	0.2
PV10	71.14	55	eP	20	43.91	-0.4
			ePp	20	57.61	48km
PV08	71.23	54	eP	20	44.09	-0.9
			(pP)	20	58.11	49km
KIV	71.23	313	eP	20	44.50	-0.1
SOC	73.04	315	eP	20	56.00	0.9
TUC	74.11	60	eP	21	02.08	0.4
	1.2s	6.93nm				4.5mb
ALQ	74.98	56	eP	21	16.46	51km
	0.8s	6.39nm	ePp			

CLI	76.69	324	ePc	21	18.40	2.4
KVT	76.72	315	iP	21	17.00	0.7
UZH	77.06	328	eP	21	15.50	-2.4
	1.0s		31.00nm			5.3mb
	Z	20s	0.50um			4.8MsZ
			e	21	29.90	50km
SPC	77.38	329	eP	21	19.80	-0.2
KSP	77.40	332	eP	21	19.00	-0.8
VRI	77.47	323	eP	21	20.00	-0.3
CLL	78.07	334	iPd	21	23.90	0.4
	1.1s		26.00nm			5.2mb
			i	21	41.20	63kmX
MLR	78.10	324	eP	21	23.50	-0.4
BRG	78.15	333	iP	21	24.40	0.5
EKA	78.47	345	Pc	21	26.40	0.8
	0.6s		6.30nm			4.8mb
VRAC	78.60	331	iPd	21	27.60	1.2
	1.4s		59.30nm			5.4mb
PRU	78.72	333	iPd	21	27.60	0.6
	1.0s		16.20nm			4.9mb
			iPp	21	41.50	48km
MOX	79.08	335	eP	21	30.00	0.9
	1.4s		16.00nm			4.8mb
	Z	20s	0.10um			4.1MsZ
WTS	79.27	338	eP	21	30.50	0.5
	0.8s		18.20nm			5.1mb
ZST	79.36	330	eP	21	30.20	-0.4
MEO	79.66	51	iPd	21	32.70	0.2
KHC	79.77	333	Pc	21	33.60	0.8
	1.0s		14.00nm			4.9mb
			e	21	51.50	65kmX
			e	22	15.00	
GEC2	79.98	333	ePd	21	34.40	0.4
	0.6s		3.52nm			4.5mb
			e	21	36.60	
			e	21	39.30	
			e	21	52.00	
GRF	80.04	334	ePKP	21	35.50	1.3
	Z	20s	0.10um			4.2MsZ
LTX	80.58	58	ePd	21	36.32	-1.3
			ePd	21	50.03	47km
			e	22	01.61	
			i	25	38.55	
ENN	80.62	338	eP	21	38.00	0.8
	0.9s		13.40nm			4.9mb
DLF	81.02	346	eP	21	40.40	1.1
	0.7s		67.00nm			5.7mb
DCN	81.10	347	eP	21	40.80	1.1
FVM	81.62	44	ePd	21	42.41	-0.3
	0.7s		26.81nm			5.3mb
			ePp	21	55.80	46km
KBA	81.63	332	iPc	21	44.20	1.4
	0.8s		16.40nm			5.1mb
			i	21	51.40	23kmX
			i	22	05.10	
PTJ	81.72	330	iP	21	41.60	-1.6
ECB	81.95	346	eP	21	45.20	1.0
WATA	82.00	333	iPc	21	45.90	1.2
WTTA	82.04	333	i(P)	21	46.30	1.3
	0.7s		15.30nm			5.1mb
ECP	82.06	346	eP	21	45.70	1.0
MOTA	82.14	333	iPd	21	46.40	0.9
	0.9s		19.80nm			5.1mb
			i	21	52.90	21kmX
			i	21	59.50	
SQTA	82.22	333	i(P)	21	47.10	1.3
VBV	82.32	330	eP	21	46.60	0.4
CDF	82.37	336	eP	21	47.00	0.4
	1.0s		13.40nm			4.9mb
MIAR	82.60	48	eP	21	47.83	0.0
	0.8s		25.99nm			5.3mb
			iPp	22	01.45	46km
			esP	22	09.89	
			e	22	12.83	
ELC	82.76	44	ePd	21	48.78	0.1
			epPc	22	02.17	45km
HAU	83.00	337	eP	21	50.90	1.1
	1.0s					

				Sg	51	27.55	
PAND	0.38	275	Pg	51	25.60	-0.5	
LSPF	0.47	347	Pg	51	28.05	0.2	
MTHF	0.57	38	Pg	51	29.61	-0.3	
SALF	0.69	293	Pg	51	31.37	-0.7	
LESF	0.78	314	Pg	51	33.41	-0.1	
EFF	1.37	294	Pg	51	44.70	1.2	
				Sg	52	00.30	
	S.D. = 0.7	on		8	of	8	obs.
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%	SEP	09, 1993	16h	14m	48.85±	0.68s	
	40.317	N	±13.2km		29.359	E ± 5.6km	
	DEPTH =	10.0km			(geophysicist)		
	TURKEY						(366)
	ML	2.6	(ISK).				
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IZI	0.09	77	iPg	14	51.80	0.3	
			eSg	14	54.00		
EYL	0.66	68	ePg	15	01.80	-0.2	
KCT	0.77	265	ePn	15	03.80	-0.1	
DST	0.91	219	ePn	15	06.20	0.0	
BNT	1.10	272	ePn	15	09.30	-0.2	
EDC	1.14	272	ePn	15	10.60	0.3	
	S.D. = 0.3	on		6	of	6	obs.
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	SEP	09, 1993	16h	24m	20.19±	0.73s	
	38.834	N	± 6.5km		27.720	E ±10.2km	
	DEPTH =	10.0km			(geophysicist)		
	TURKEY						(366)
	ML	2.9	(ISK).				
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IZM	0.56	220	ePg	24	30.10	-1.6	
			eSg	24	38.50		
DST	1.04	42	iPn	24	39.60	-0.3	
CIN	1.27	167	ePg	24	45.00	1.3	
EZN	1.47	313	ePn	24	47.80	1.2	
KCT	1.50	19	ePn	24	47.30	0.2	
EDC	1.52	4	ePn	24	47.60	0.3	
BNT	1.53	6	ePn	24	47.30	-0.2	
IZI	2.02	41	ePn	24	54.00	-0.8	
	S.D. = 1.1	on		8	of	8	obs.
<hr/>							
*	SEP	09, 1993	17h	35m	37.97±	1.04s	
	38.418	N	± 7.7km		28.247	E ±13.5km	
	DEPTH =	10.0km			(geophysicist)		
	TURKEY						(366)
	ML	2.8	(ISK).				
<hr/>							
IZM	0.77	269	ePg	35	52.80	-0.3	
			eSg	36	04.30		
CIN	0.83	189	ePg	35	54.00	0.1	
			iSg	36	04.00		
DST	1.22	14	ePn	35	59.80	-0.9	
KCT	1.83	3	iPn	36	10.30	0.6	
EDC	1.95	351	ePn	36	12.00	0.6	
	S.D. = 0.9	on		5	of	5	obs.
<hr/>							
	SEP	09, 1993	17h	36m	47.61±	0.63s	
	38.398	N	± 5.8km		28.277	E ± 6.3km	
	DEPTH =	10.0km			(geophysicist)		
	TURKEY						(366)
	ML	3.0	(ISK).				
<hr/>							
IZM	0.80	270	ePg	37	03.30	0.2	
			eSg	37	14.80		
CIN	0.81	191	ePg	37	03.00	-0.3	
			iSg	37	16.00		
KHL	0.98	94	ePn	37	06.50	0.2	
DST	1.24	13	iPn	37	09.50	-1.1	

RED	0.41	354	iP	45	53.62	-0.7
			eS	46	05.21	
OPT	0.46	217	eP	45	53.86	-0.7
			eS	46	05.17	
RDW	0.47	353	iP	45	54.19	-0.7
REF	0.47	359	iP	45	54.26	-0.6
			eS	46	06.02	
NCT	0.56	348	eP	45	54.65	-0.8
			eS	46	06.83	
RDT	0.58	14	eP	45	54.72	-0.8
DFR	0.58	0	iP	45	54.89	-0.7
			eS	46	07.16	
HOM	0.64	124	eP	45	55.45	-0.5
			eS	46	08.54	
AUL	0.74	211	eP	45	56.15	-0.8
AUE	0.75	208	eP	45	56.09	-0.9
AUP	0.75	210	eP	45	56.35	-0.9
AGU	0.76	210	eP	45	56.72	-0.6
AUH	0.76	211	eP	45	56.45	-0.8
AUW	0.76	212	eP	45	56.35	-0.8
AUI	0.78	209	eP	45	56.33	-1.0
			eS	46	09.89	
PDB	0.79	254	iP	45	56.76	-0.7
			eS	46	10.45	
CNPM	0.89	123	eP	45	57.52	-1.0
			eS	46	12.16	
BRLK	0.94	105	eP	45	58.84	-0.3
			eS	46	13.03	
NKA	1.02	44	eP	46	00.93	1.0
BKG	1.08	11	eP	46	00.06	-0.6
			eS	46	16.33	
CDD	1.19	204	iP	46	00.52	-1.5
CKL	1.20	8	eP	46	01.59	-0.5
SPU	1.21	15	eP	46	01.58	-0.6
			eS	46	18.90	
CKT	1.21	11	eP	46	01.48	-0.8
CKN	1.24	11	eP	46	02.51	0.0
BGL	1.26	7	eP	46	02.39	-0.5
CP2	1.27	10	eP	46	02.24	-0.9
			eS	46	20.20	
CRP	1.28	12	ePd	46	02.08	-1.1
			eS	46	19.61	
SLKM	1.33	67	eP	46	02.19	-1.4
CGLM	1.34	14	eP	46	03.21	-0.6
NGC	1.42	10	eP	46	04.32	-0.5
SYI	1.42	174	eP	46	03.40	-1.3
			eS	46	22.85	
SEW	1.63	86	eP	46	05.84	-1.5
			eS	46	26.12	
MPA	1.73	73	eP	46	07.16	-1.5
SUA	1.74	33	eP	46	08.19	-0.8
			eS	46	31.08	
SVW	1.82	308	eP	46	08.01	-1.9
PMS	1.97	50	P	46	10.60	-1.4
PTE	2.01	63	eP	46	10.54	-1.8
SKT	2.05	15	eP	46	11.78	-1.2
PWA	2.14	39	P	46	13.00	-1.1
KDC	2.28	177	eP	46	12.51	-3.4
PWL	2.32	67	eP	46	13.86	-2.7
PLRM	2.35	46	eP	46	14.88	-2.1
PMR	2.35	46	eP	46	15.00	-2.0
LTI	2.43	87	eP	46	15.82	-2.2
KNIM	2.50	80	eP	46	15.82	-3.1
MTU	2.53	88	eP	46	17.64	-1.8
GHO	2.55	45	eP	46	17.71	-2.0
CUT	2.67	25	eP	46	20.19	-1.0
CFI	2.69	62	eP	46	19.68	-1.9
SML	2.79	48	eP	46	20.33	-2.6
HIN	3.11	80	eP	46	25.27	-2.1
FID	3.17	74	eP	46	25.73	-2.4
SCM	3.19	53	eP	46	25.92	-2.6
HUR	3.31	25	P	46	29.30	-0.8
TRF	3.63	17	eP	46	33.91	-0.7
KLU	3.64	63	eP	46	31.32	-3.3
KTH	3.65	13	eP	46	34.08	-0.7
SGAM	3.76</					

IVA	0.71	72	epg	10	34.07	-0.2
			iSg	10	44.84	
ULC	0.72	164	iPgd	10	34.18	-0.2
			iSg	10	45.47	

09d 20h

PVY 0.73 94 iPgD 10 34.50 -0.2
 iSg 10 45.92
 PLE 0.74 24 iPgC 10 34.45 -0.5
 iSg 10 45.53
 S.D. = 0.5 on 9 of 9 obs.

* SEP 09, 1993 20h 53m 48.88± 1.59s
 6.236 S ± 13.4km 131.955 E ± 13.1km
 DEPTH = 53.9 ± 19.3 km
 4.2mb (2 obs.)

TANIMBAR ISLANDS REG., INDONESIA(281)

TLE 0.99 53 iPc 54 08.00 1.3
 iS 54 13.90
 MTN 6.62 187 iPc 55 27.60 1.7
 eS 56 41.00
 JAY 9.47 67 ePc 56 03.00 -2.5
 e(S) 57 41.60
 KNA 9.96 198 eP 56 12.00 -0.1
 eS 57 57.00
 WB2 13.82 171 iPc 57 01.10 -2.7
 eS 59 27.50
 PMG 15.39 103 e(P) 57 25.00 0.8
 QIS 16.05 153 eP 57 33.00 0.3
 eS 00 22.70
 ASPA 17.43 174 iPd 57 48.90 -1.1
 eS 00 52.10
 MBL 18.92 217 eP 58 07.50 -0.7
 0.4s 11.00nm 4.4mb
 eS 01 24.50
 CTA 19.56 136 iPc 58 17.00 1.8
 0.9s 6.30nm 3.9mb
 e(S) 01 23.00
 e(S) 01 45.00
 i(PcS) 04 37.50
 NANU 22.69 223 eP 58 47.00 0.1
 MEEK 23.94 211 eP 58 59.50 0.4
 FORT 24.69 188 eP 59 07.30 1.1
 STK 27.06 162 eP 59 40.10 11.9X
 0.8s 1.60nm

BAL 28.16 209 eP 59 38.20 0.0
 KLB 28.51 206 eP 59 41.30 -0.1
 MUN 29.54 208 eP 59 50.50 -0.1
 CNCB 149.78 140 PKP 13 36.90 5.8X
 LPB 149.91 139 ePKP 13 36.00 4.9X
 LPAZ 150.07 139 PKP 13 36.80 5.2X
 S.D. = 1.4 on 16 of 20 obs.

SEP 09, 1993 21h 19m 50.89± 0.47s
 42.657 N ± 4.1km 18.971 E ± 4.2km
 DEPTH = 10.0km (geophysicist)

NORTHWESTERN BALKAN REGION (383)

NKY 0.16 7 iPgD 19 55.65 1.0
 iSg 19 59.34
 TTG 0.31 137 iPgC 19 57.71 0.3
 iSg 20 03.38
 BDV 0.39 196 iPgD 19 59.23 0.4
 iSg 20 05.79
 BRY 0.40 308 iPgD 19 59.14 0.1
 iSg 20 05.65
 HCY 0.41 239 iPgD 19 59.53 0.3
 iSg 20 06.26
 IVA 0.72 72 iPgD 20 04.84 -0.2
 iSg 20 15.55
 ULC 0.72 163 iPgD 20 04.82 -0.3
 iSg 20 16.11
 PLE 0.74 25 iPgC 20 05.18 -0.3
 iSg 20 16.40
 PVY 0.74 94 iPgC 20 05.21 -0.3
 iSg 20 16.64
 HVAR 1.93 287 iPnc 20 23.00 -1.0
 iSn 20 48.20
 S.D. = 0.6 on 10 of 10 obs.

* SEP 09, 1993 21h 22m 47.96± 0.91s
 21.828 S ± 7.6km 67.301 W ± 12.7km
 DEPTH = 264.2 ± 19.9 km
 4.1mb (1 obs.)

CHILE-BOLIVIA BORDER REGION (124)

YJA 1.70 102 iPd 23 31.00 1.0
 HJA 2.23 129 iPd 23 32.90 -1.1
 S 23 37.50
 ANT 3.43 236 iPc 23 45.50 -0.8

iS 24 26.20
 CNCB 5.03 353 iPc 24 07.00 1.3
 LPB 5.32 352 iPc 24 10.20 1.1
 LPAZ 5.57 352 iPc 24 12.70 0.4
 ARE 6.65 323 eP 24 24.00 -1.4
 eS 25 36.00

SIV 8.27 46 P 24 43.80 -1.7
 TCA 9.78 166 iP 25 05.00 0.4
 MRA 10.64 173 ePc 25 16.00 0.8
 YKA 92.00 340 eP 35 36.70 9.4X
 0.7s 1.50nm 4.1mb

WRA 133.41 209 PKP 41 46.20 11.3X
 0.5s 0.70nm
 GBA 145.49 98 PKP 42 07.00 10.3X
 S.D. = 1.4 on 10 of 13 obs.

SEP 09, 1993 21h 52m 12.82± 0.18s
 56.214 S ± 4.7km 27.332 W ± 5.1km
 DEPTH = 110.0km (geophysicist)
 5.8mb (28 obs.)

SOUTH SANDWICH ISLANDS REGION (153)

Mw 5.7 (GS), 5.6 (HRV).
 MOMENT TENSOR SOLUTION
 Dep 96 No. of sta: 4
 Moment Tensor; Scale 10**17 Nm
 Mrr=-0.48 Mtt=0.52
 Mff=-0.04 Mrt=-2.99
 Mrf=0.42 Mtf=1.40

Principal axes:
 T Val= 3.25 Plg=36 Azm=162
 N 0.21 25 272
 P -3.46 44 28
 Best Double Couple:Mo=3.4*10**17
 NP1:Strike=192 Dip=26 Slip=-170
 NP2: 94 86 -65
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 39S, 75C
 Centroid Location:
 Origin Time 21:52:15.1 0.2
 Lat 56.18S 0.02 Lon 27.09W 0.04
 Dep 99.0 1.7 Half-duration 1.6
 Moment Tensor; Scale 10**17 Nm
 Mrr=-0.22 0.05 Mtt=1.48 0.08
 Mff=-1.27 0.08 Mrt=-2.38 0.05
 Mrf=1.25 0.05 Mtf=0.94 0.07
 Principal Axes:
 T Val= 3.16 Plg=35 Azm=179
 N 0.01 32 295
 P -3.17 39 55
 Best Double Couple:Mo=3.2*10**17
 NP1:Strike=210 Dip=32 Slip=-176
 NP2: 116 88 -58

SNA 17.85 152 iPc 56 13.60 -1.4
 0.8s 226.00nm 5.5mb
 NVL 22.17 146 iPc 56 59.50 -0.5
 1.0s 255.00nm 5.5mb
 ePP 57 27.00
 ePPP 57 40.00
 iS 00 58.00
 eSS 01 35.00

SPA 33.97 180 iPc 58 47.60 0.3
 0.9s 445.45nm 6.3mb
 RFA 35.19 290 ePc 58 56.70 -1.1
 RSTA 35.28 324 eP 58 58.80 0.2
 VAO2 35.85 329 eP 59 05.20 1.7
 VAO 36.19 328 eP 59 07.30 1.0
 CFA 37.55 294 iPc 59 16.00 -1.7
 PEL 37.61 289 iP 59 17.20 -1.0
 0.6s 326.67nm 6.4mb
 i 59 52.50

RTPR 37.73 297 eP 59 17.50 -1.6
 ZON 37.83 293 eP 59 19.00 -1.0
 RTLL 37.89 294 ePd 59 18.80 -1.7
 PPD 38.47 323 iPc 59 25.80 0.4
 e 59 28.00

CER 39.19 74 iPc 59 29.00 -2.3
 0.9s 416.00nm 6.2mb
 RTRS 39.33 294 iP 59 32.50 0.1
 MAW 40.07 143 iP 59 38.70 0.7
 0.8s 97.70nm 5.7mb

SUR 40.76 75 iPc 59 44.50 0.1
 1.5s 344.00nm 5.9mb
 SLA 41.89 303 ePc 59 52.80 -0.9
 POF 42.64 71 e(P) 59 59.50 0.0

1.0s 200.00nm 5.9mb
 GRM 43.20 81 iPc 00 04.00 -0.1
 0.7s 137.00nm 5.9mb
 BAO 43.47 330 Pd 00 07.60 1.1
 i 00 21.90
 i 00 38.30
 i 05 34.10

YJA 44.09 305 ePc 00 16.20 4.3X
 HVD 44.67 78 iPd 00 15.70 -0.4
 1.4s 130.00nm 5.5mb
 ANT 45.12 298 iP 00 18.80 -0.8
 FRS 45.24 77 iPd 00 20.00 -0.4
 1.2s 240.00nm 5.9mb

BLF 46.21 77 iPc 00 27.50 -0.8
 1.5s 120.00nm 5.5mb
 SEK 47.60 78 iPd 00 38.10 -1.2
 1.2s 230.00nm 5.9mb

SIV 47.63 314 P 00 38.60 -0.8
 SOB1 48.08 342 eP 00 42.30 -0.6
 CCH 48.54 307 (P) 00 37.00 -9.8X
 KSR 49.15 75 iPd 00 47.50 -3.7X
 1.2s 190.00nm 5.9mb

CNCB 49.88 305 iPc 00 58.00 0.7
 SLR 50.00 76 eP 00 54.00 -3.7X
 1.3s 250.00nm 6.0mb
 Z 20s 6.66um 5.6MsZ

LPB 50.18 305 iPc 01 00.20 0.8
 Z 16s 1.35um 5.0MsZ
 LR 17 24.00
 LPAZ 50.41 305 iPc 01 01.50 0.1

ARE 51.82 302 iPc 01 11.90 0.2
 BUL 54.70 73 iPc 01 30.20 -2.5
 DRV 57.07 174 iP 01 49.40 0.5
 S 09 42.00

KRI 57.96 71 iPc 02 08.40 12.4X
 NNA 58.26 299 iPd 01 57.00 -0.9
 0.9s 46.22nm 5.5mb
 LSZ 58.51 69 iPc 01 58.00 -1.7
 MTD 59.05 73 iP 01 45.70 -17.8X

LIC 64.88 25 Pd 02 41.00 -1.1
 0.7s 166.50nm 6.1mb
 Z 21s 8.75um 5.9MsZ
 KIC 65.08 25 Pd 02 42.30 -1.1
 0.9s 210.00nm 6.1mb

TIC 65.29 25 Pd 02 43.60 -1.1
 0.9s 245.50nm 6.1mb
 KDS 69.68 16 iPd 03 11.30 -0.8
 MBO 70.87 11 iPd 03 20.60 1.3
 BCAA 71.08 49 iPd 03 19.10 -1.7
 0.4s 115.00nm 6.1mb

ic 03 32.50
 ic 04 31.30
 ic 05 58.10
 NAI 74.81 69 iPc 03 47.60 4.8X
 Z 20s 0.28um 4.6MsZ

iPcP 03 48.60
 ePS 13 05.50
 ePPS 14 12.50
 TUZ 77.21 192 P 03 56.10 0.6
 0.7s 87.00nm 5.7mb

TLC 78.03 192 eP 04 00.80 0.5
 CMCZ 78.05 192 P 04 00.90 0.6
 SBCZ 78.10 192 eP 04 01.00 0.4
 LRCZ 78.12 192 eP 04 00.70 -0.1
 MHZ 78.13 192 eP 04 01.40 0.6

MSZ 78.66 191 eP 04 03.20 -0.4
 LTZ 79.99 195 eP 04 10.80 0.0
 KHZ 80.16 196 eP 04 11.80 0.2
 THZ 80.90 195 eP 04 16.20 0.6
 0.7s 30.00nm 5.2mb

MRW 81.14 197 eP 04 17.10 0.3
 TCW 81.23 196 eP 04 16.90 -0.4
 PGZ 81.48 198 eP 04 19.00 0.4
 MNG 81.61 197 eP 04 19.40 0.1

QRZ 81.87 195 eP 04 19.30 -1.3
 NRZ 83.12 196 eP 04 26.30 -0.8
 MOZ 83.79 197 eP 04 29.10 -1.4
 AAE 84.59 65 P 04 37.70 2.6
 TOO 86.38 174 eP 04 43.90 0.4
 0.8s 70.00nm 5.7mb

e 08 07.00
 MUN 86.83 150 eP 04 46.00 0.3
 1.0s 34.00nm 5.3mb
 KLB 87.63 151 eP 04 50.00 0.4
 BAL 88.27 150 eP 04 53.00 0.4
 ADE 88.40 169 eP 04 53.40 0.1
 TIO 88.46 17 iPd 04 55.50 2.0

09d 22h

CAN 88.77 177 eP 04 55.60 0.5					NJ2 146.32 122 PKPc 11 42.00 1.9					CLLP 5.75 294 P 32 54.00 -0.5				
CNB 88.79 177 eP 04 56.80 1.6					SSE 146.61 126 PKPc 11 42.00 1.4					PORP 5.79 293 P 32 54.80 -0.3				
1.0s 51.00nm 5.6mb					Z 20s 0.50um 5.3Msz					APR 6.03 296 P 32 59.10 0.7				
BWA 89.65 176 eP 04 59.30 0.1					PKPab 11 47.00					MGP 6.18 291 P 32 59.90 -0.5				
AVE 90.76 17 eP 05 06.00 2.1					PP 15 09.50					LTX 41.36 297 eP 39 08.34 0.3				
IFR 91.36 18 iP 05 09.00 2.1					SS 34 02.00					BW06 49.24 313 eP 40 11.60 0.9				
STK 91.75 171 ePKP 05 08.80 -0.1					TIY 147.51 108 PKPd 11 44.00 2.0					0.4s 1.84nm 4.4mb				
4.5s 3.70nm 4.0mb X					Z 20s 0.75um 5.5Msz					YKA 59.63 334 eP 41 25.30 -0.4				
ePP 08 39.70					PKPab 11 49.00					0.6s 1.00nm 4.1mb				
isKKS 15 28.00					PP 15 10.50					S.D. = 0.4 on 22 of 22 obs.				
ARMA 93.71 179 eP 05 18.20 0.1					BTO 148.27 101 ePKP 11 43.00 -0.1					% SEP 09, 1993 23h 36m 47.29± 0.69s				
0.9s 15.00nm 5.4mb					TIA 148.81 115 ePKP 11 47.80 3.8X					44.295 N ± 4.7km 6.928 E ± 11.8km				
EJIF 94.16 18 iPc 05 22.60 3.1X					HHC 149.29 102 PKPd 11 49.00 4.3X					DEPTH = 10.0km (geophysicist)				
EVAL 95.06 16 eP 05 26.00 2.4					NRI 149.39 39 iPKPd 11 48.80 5.0X					FRANCE (538)				
EHOR 95.54 17 iPc 05 28.40 2.7					1.8s 112.00nm					ML 1.6 (LDG).				
PAB 97.37 18 eP 05 36.20 2.1					e 15 26.00					SBF 0.57 140 Pg 36 58.90 0.1				
ASPA 98.86 163 iPd 05 41.50 0.0					ZAK 150.46 80 ePKP 11 45.00 -1.0					Sg 37 07.20				
0.7s 37.50nm 6.1mb					1.8s 14.00nm					FRF 0.76 196 Pg 37 01.70 -0.5				
Z 21s 0.20um 4.6Msz					i 11 51.80					Sg 37 11.60				
iPP 09 40.50					e 34 44.00					LRG 0.94 206 Pg 37 05.50 0.4				
eSKKS 16 05.50					KAGJ 150.69 139 ePKP 11 52.30 5.3X					Sg 37 17.80				
ETOR 99.01 19 eP 05 46.80 5.3X					BJI 151.20 109 ePKP 11 53.50 6.1X					LMR 1.01 198 Pg 37 06.40 0.0				
WRA 102.57 162 PdDiff 05 59.00 1.0					KUMJ 151.88 138 ePKP 11 57.30 8.6X					Sg 37 20.10				
1.0s 3.10nm 5.0mb					CIT 156.93 84 ePKP 12 07.00 12.0X					LPG 1.21 354 Pg 37 10.00 0.0				
WB2 102.58 162 ePdDiff05 56.10 -1.9					CN2 158.71 114 ePKP 11 58.00 0.7					Sg 37 26.60				
e 10 07.60					MDJ 161.37 119 ePKP 12 03.00 3.0X					LPL 1.23 354 Pg 37 10.30 0.0				
OHR 105.16 36 e(PKP)10 17.00 -5.8X					S.D. = 1.1 on 105 of 135 obs.					Sg 37 27.20				
VBY 107.48 30 e(PKP)10 29.00 2.0					SEP 09, 1993 22h 28m 09.89± 0.75s					S.D. = 0.4 on 6 of 6 obs.				
VOY 107.59 29 e(PKP)10 46.70 19.4X					39.330 N ± 6.4km 20.552 E ± 6.8km					SEP 09, 1993 23h 47m 43.77± 0.54s				
LJU 107.78 29 e(PKP)10 47.00 19.5X					DEPTH = 10.0km (geophysicist)					38.577 N ± 4.1km 23.567 E ± 9.0km				
WTTA 108.14 27 iPKP 10 49.00 20.6X					GREECE-ALBANIA BORDER REGION (392)					DEPTH = 10.0km (geophysicist)				
KBA 108.41 28 iPKP 10 48.90 19.9X					ML 3.1 (THE). MD 3.0 (ATH).					GREECE (364)				
1.3s 11.20nm					KEK 0.70 304 ePb 28 22.60 -1.1					ML 3.2 (THE), 3.0 (ATH).				
i 10 58.80					VLS 1.15 179 ePb 28 31.80 0.4					ATH 0.62 169 iPnd 47 56.40 0.2				
GBA 109.41 95 PKP 10 35.00 3.6X					KZN 1.35 44 ePb 28 33.60 -1.2					eSn 48 06.50				
GEC2 110.14 28 e(PKP)10 31.10 -0.9					AGG 1.42 102 ePb 28 36.42 0.7					AGG 1.06 295 ePg 48 04.20 0.4				
0.7s 1.00nm					iSb 28 54.14					eSg 48 17.96				
GRF 110.30 26 ePdDiff06 45.00 13.3X					FNA 1.58 23 ePb 28 38.04 -0.1					PAIG 1.35 4 iPb 48 08.68 0.1				
Z 26s 0.30um 4.8MszX					LIT 1.68 62 ePb 28 39.72 0.2					eSb 48 27.24				
ePP 10 59.00					iSb 29 02.80					LIT 1.74 332 ePb 48 13.84 -0.3				
MOX 111.28 25 ePKP 10 46.70 12.7X					OHR 1.79 6 iPn 28 42.30 1.2					OUR 1.78 10 ePb 48 14.96 0.2				
2.5s 50.00nm					GRG 2.16 41 ePn 28 47.08 0.7					eSb 48 36.96				
e 20 32.00					eSn 29 14.00					VLI 1.92 195 ePn 48 16.50 -0.3				
PRU 111.40 28 ePKP 10 54.00 19.8X					PAIG 2.49 75 ePn 28 50.28 -0.8					KZN 2.22 322 ePn 48 24.80 3.6X				
Z 22s 0.40um 5.0Msz					eSn 29 20.08					SOH 2.25 356 ePn 48 21.68 0.1				
e 20 47.00					KNT 2.56 44 ePn 28 51.92 -0.2					SRS 2.54 0 ePn 48 25.48 -0.2				
KSP 112.64 28 ePKP 10 37.00 0.4					eSn 29 25.20					eSn 48 55.00				
HFS 120.47 22 ePKP 10 48.40 -2.8X					SOH 2.62 54 ePn 28 53.44 0.5					GRG 2.54 340 ePn 48 25.40 -0.3				
0.5s 2.60nm					eSn 29 24.96					eSn 48 56.36				
NB2 120.79 21 PKP 10 50.80 -1.1					SKO 2.72 14 ePn 28 56.00 1.5					KNT 2.63 349 ePn 48 27.24 0.2				
0.8s 8.50nm					OUR 2.83 68 ePn 28 55.24 -0.6					eSn 48 58.00				
UPP 121.10 25 iPKP 10 51.40 -1.0					eSn 29 28.32					OHR 3.31 321 e(Pn) 48 40.50 3.8X				
OBN 122.52 38 iPKPd 10 54.50 -0.8					SRS 2.93 52 ePn 28 56.32 -1.1					S.D. = 0.3 on 10 of 12 obs.				
1.0s 32.00nm					S.D. = 1.0 on 14 of 14 obs.					& SEP 10, 1993 01h 17m 42.73s				
Z 20s 0.30um 4.9Msz					SEP 09, 1993 23h 31m 30.11± 0.50s					40.851 N 123.480 W				
iPS 22 28.00					15.829 N ± 5.1km 61.046 W ± 7.3km					DEPTH = 28.9km				
ePPS 24 00.00					DEPTH = 99.8 ± 3.7 km					NORTHERN CALIFORNIA (36)				
eSS 29 08.00					4.3mb (2 obs.)					<GM-P>. MD 3.1 (GM).				
MCMT 123.48 302 ePKP 10 58.60 0.7					LEEWARD ISLANDS (92)					KGMM 0.17 238 P 17 48.56 -0.2				
DMN 124.86 92 PKP 11 01.00 -0.1					Felt (III) on Guadeloupe and					KHBM 0.28 134 P 17 49.75 -0.2				
KKV 125.10 92 PKP 11 01.40 -0.1					(II) on Martinique.					KBRM 0.38 252 P 17 50.97 -0.4				
KAF 125.19 28 iPKP 10 59.20 -1.1					MGG 0.28 289 ePc 31 44.27 -0.4					FHC 0.39 263 iPc 17 51.07 -0.3				
0.6s 32.50nm					SFG 0.45 341 eP 31 45.50 -0.2					eS 17 58.59				
CHTO 125.38 111 ePKP 11 01.80 -0.2					DEG 0.48 358 iPc 31 45.56 -0.4					KCRM 0.50 211 P 17 52.72 -0.4				
GUN 125.52 92 PKP 11 02.60 0.1					DOG 0.59 290 iPd 31 46.59 -0.2					LGPM 0.50 83 iPc 17 52.52 -0.7				
0.6s 19.00nm					PAG 0.64 288 iPd 31 47.05 -0.2					KRPM 0.51 307 P 17 52.61 -0.8				
SHL 127.03 99 ePKP 11 05.00 -0.2					BTG 0.67 284 ePd 31 47.39 0.0					KMPM 0.65 229 iPc 17 54.63 -1.0				
KSH 128.65 75 PKP 11 08.50 0.7					S 31 58.30					eS 18 03.86				
SDF 129.60 24 iPKP 11 07.80 -0.8					SEG 0.72 322 eP 31 48.23 0.3					LBKM 0.66 69 P 17 54.99 -0.8				
ARU 131.86 48 ePKP 11 13.00 -0.2					CRM 1.08 173 iPd 31 51.57 -0.1					LBPM 0.70 139 P 17 55.65 -0.8				
2.0s 90.00nm					S 32 06.04					KKPM 0.71 171 P 17 58.29 1.6				
e 13 31.00					FDF 1.09 185 iPc 31 51.68 -0.2					KCTM 0.75 240 P 17 56.02 -1.2				
DAG 132.83 3 ePKP 11 14.20 -0.3					S 32 06.31					WDC 0.76 110 iPc 17 56.51 -0.9				
1.0s 14.00nm					MVM 1.28 173 iPc 31 54.19 0.2					eS 18 07.44				
SVE 132.98 49 iPKPd 11 15.00 -0.3					BIM 1.30 181 iPc 31 54.70 0.3					KSMM 0.85 219 P 17 57.36 -1.4				
2.2s 80.00nm					S 32 12.70					LGBM 1.09 63 P 18 02.17 -0.2				
e 13 40.00					BPA 1.44 327 ePc 31 56.31 0.3					LMPM 1.18 57 P 18 03.87 0.3				
YKA 136.24 318 ePKP 11 08.90 -12.4X					S 32 14.07					KFPM 1.21 178 P 18 08.53 4.7				
0.7s 1.40nm					CPD 5.15 296 P 32 46.10 -0.2					LHEM 1.23 50 P 18 04.32 0.1				
CD2 137.69 106 ePKP 11 26.00 0.8					LPR 5.23 299 P 32 47.90 0.5					LBFM 1.30 67 eP 18 05.30 0.1				
LZH 141.66 101 ePKP 11 27.50 -4.8X					SJG 5.39 296 iP 32 49.60 0.0					LDBM 1.36 107 P 18 05.84 -0.1				
XAN 142.87 108 PKP 11 30.50 -3.8X														
INK 145.88 320 ePKP 11 37.00 -1.3														

10d 01h

LPDM 1.39 75 P 18 06.21 -0.3
 LGMM 1.45 58 P 18 07.36 0.0
 GCBM 1.47 181 P 18 12.10 4.6
 LCFM 1.53 103 P 18 08.81 0.1
 LMHM 1.56 62 P 18 11.85 2.9
 ORV 1.99 130 eP 18 14.35 -0.8
 BONR 4.94 124 (Pn) 18 59.65 2.4
 ePg 19 16.67

27 obs. associated

* SEP 10, 1993 01h 50m 32.71± 0.84s
 26.159 S ± 8.5km 27.837 E ± 8.8km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.7 (PRE).

SLR 0.58 44 iPd 50 44.60 0.2
 KSR 0.90 289 eP 50 49.90 -0.6
 S 50 59.90
 BFS 1.20 232 iPc 50 56.70 1.1
 S 51 12.00
 SEK 2.16 185 iPd 51 10.00 -0.1
 S 51 36.00
 SWZ 2.47 245 eP 51 14.60 0.2
 S 51 44.20
 BLF 3.28 206 eP 51 25.00 -1.0
 S.D. = 0.9 on 6 of 6 obs.

* SEP 10, 1993 01h 58m 24.96± 2.89s
 51.632 N ±15.4km 7.660 E ±25.6km
 DEPTH = 5.0km (geophysicist)
 GERMANY (543)
 ML 2.4 (BNS).

WTS 0.64 305 ePg 58 37.50 -0.3
 0.7s 20.50nm
 BNS 0.73 205 iPg 58 38.75 -0.9
 iSg 58 51.48
 KOE 1.21 178 ePc 58 46.86 -1.0
 iS 59 03.62
 ENN 1.39 232 ePg 58 50.50 -0.5
 0.5s 17.20nm
 eSg 59 09.50
 ABH 1.75 182 ePn 58 55.80 -0.4
 RUP 1.97 191 ePn 59 00.20 0.8
 WLF 2.19 207 iP 59 04.87 2.4
 SNF 2.41 244 iP 59 35.80 30.2X
 DOU 2.48 233 P 59 13.80 7.2X
 iS 59 42.20
 MOX 2.68 110 ePg 59 13.60 4.1X
 eSg 59 46.50
 S.D. = 1.5 on 7 of 10 obs.

* SEP 10, 1993 02h 06m 56.26s
 59.277 N 152.187 W
 DEPTH = 61.0km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.7 (AEIC).

XLV 0.30 53 eP 07 05.79 -0.8
 HOM 0.47 36 eP 07 08.05 0.0
 eS 07 17.36
 CNPM 0.55 62 eP 07 08.68 -0.3
 eS 07 18.44
 AUE 0.61 278 eP 07 08.99 -0.6
 AUP 0.64 278 eP 07 09.48 -0.6
 eS 07 20.28
 AUI 0.64 276 eP 07 09.14 -0.8
 eS 07 19.23
 AGU 0.64 278 eP 07 09.65 -0.5
 AUL 0.65 280 eP 07 09.45 -0.6
 AUH 0.65 278 eP 07 09.65 -0.5
 OPT 0.65 306 eP 07 09.64 -0.5
 eS 07 20.01
 AUW 0.66 279 eP 07 09.57 -0.7
 SYI 0.68 189 eP 07 09.65 -0.7
 eS 07 20.37
 CDD 0.83 246 eP 07 11.50 -0.8
 ILIM 0.90 334 eP 07 12.29 -0.9
 eS 07 24.90
 INE 0.90 331 eP 07 12.82 -0.5
 INW 0.93 329 eP 07 13.07 -0.6
 PDB 1.14 297 eP 07 15.66 -0.7
 eS 07 30.32
 RED 1.18 346 eP 07 16.54 -0.5
 REF 1.24 348 eP 07 17.38 -0.6
 eS 07 33.56

RDW 1.25 346 eP 07 17.41 -0.6
 RDT 1.31 355 eP 07 18.03 -0.7
 eS 07 35.40
 NCT 1.34 344 eP 07 18.72 -0.5
 DFR 1.34 349 eP 07 18.80 -0.4
 KDC 1.54 186 eP 07 20.32 -1.5
 BGM 1.56 276 eP 07 20.57 -1.6
 SLKM 1.58 38 eP 07 22.33 -0.2
 SEW 1.62 58 eP 07 23.65 0.8
 BKG 1.80 359 eP 07 25.27 -0.3
 CKT 1.93 360 eP 07 27.01 -0.3
 BGL 2.00 357 eP 07 28.41 0.1
 CRP 2.00 0 eP 07 28.63 0.3
 CGLM 2.04 2 eP 07 28.89 0.0
 NCG 2.13 0 eP 07 30.63 0.4
 PTE 2.25 44 eP 07 31.59 -0.1
 SUA 2.31 17 eP 07 33.04 0.4
 PMS 2.37 32 P 07 33.20 -0.3
 PWL 2.50 49 eP 07 34.29 -1.0
 SVW 2.51 318 eP 07 30.79 -4.7
 SKT 2.73 7 eP 07 38.16 -0.4
 PMR 2.77 32 (P) 07 39.75 0.6
 GHO 2.98 31 eP 07 41.63 -0.5
 HIN 3.08 66 eP 07 42.66 -0.9
 SML 3.17 35 eP 07 43.17 -1.7
 FID 3.22 60 eP 07 43.81 -1.7
 CVA 3.48 66 eP 07 46.93 -2.2
 SCM 3.51 41 eP 07 47.70 -1.9

46 obs. associated

SEP 10, 1993 03h 06m 52.31± 2.04s
 44.507 N ±32.5km 8.505 E ±21.5km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.1 (GEN).

PCP 0.05 40 P 06 54.50 0.0
 S 06 55.93
 ROB 0.50 245 P 07 02.64 0.1
 S 07 10.67
 ENR 0.83 251 P 07 08.19 -0.2
 S 07 20.15
 PZZ 1.00 270 P 07 11.46 0.0
 S 07 24.76

S.D. = 0.2 on 4 of 4 obs.

* SEP 10, 1993 03h 19m 42.63± 0.93s
 12.897 N ±11.1km 144.615 E ±15.1km
 DEPTH = 67.6 ± 7.7 km
 4.8mb (7 obs.)

SOUTH OF MARIANA ISLANDS (210)

GUA 0.70 24 eP 19 57.50 -0.1
 GUMO 0.73 20 Pn 19 57.70 -0.2
 Pg 19 58.10
 iS 20 09.30
 PJG 0.73 20 eP 19 58.20 0.3
 MAT 24.24 347 eP 24 53.00 -1.4
 WB2 34.16 197 eP 26 22.60 -0.9
 0.7s 11.80nm 4.9mb
 ASPA 37.82 196 eP 26 55.00 0.5
 0.5s 8.00nm 4.9mb
 GUN 56.56 295 P 29 22.00 0.7
 KKN 57.08 295 P 29 24.60 -0.2
 0.6s 12.00nm 5.2mb
 GBA 65.19 279 P 30 21.00 1.6
 FBA 68.95 25 eP 30 41.59 -0.7
 0.5s 1.65nm 4.2mb
 GMW 82.35 43 eP 31 59.76 1.3
 YKA 83.58 27 eP 32 05.00 0.5
 0.4s 1.20nm 4.2mb
 NEW 85.91 42 eP 32 17.10 0.6
 0.9s 7.46nm 4.8mb
 DAG 89.97 356 eP 32 36.00 0.6
 0.6s 3.33nm 4.8mb
 KIC 144.04 300 PKP 39 12.06 -1.1
 0.6s 6.00nm
 TIC 144.12 301 PKP 39 12.40 -0.9
 0.3s 4.50nm
 LIC 144.35 300 PKP 39 13.07 -0.6
 0.5s 16.50nm
 LPAZ 148.15 100 PKP 39 25.40 4.8X
 LPB 148.17 101 ePKP 39 36.00 15.6X
 CNCB 148.27 101 PKP 39 26.00 5.3X
 S.D. = 1.0 on 17 of 20 obs.

* SEP 10, 1993 03h 20m 53.38± 0.99s

33.644 S ± 5.9km 70.470 W ± 8.4km
 DEPTH = 10.0km (geophysicist)
 CHILE-ARGENTINA BORDER REGION (127)
 MD 3.2 (SAN).

PCH 0.04 302 iP 20 58.04 2.5
 iS 20 59.91
 FCH 0.35 25 iP 21 02.11 1.4
 iS 21 07.37
 TACH 0.39 268 iP 21 02.77 1.4
 iS 21 08.60
 CACH 0.48 193 iP 21 04.44 1.2
 iS 21 11.14
 PEL 0.53 340 iP 21 05.46 1.3
 iS 21 13.29
 LNV 0.84 248 iP 21 09.86 0.2
 iS 21 21.15
 LCCH 0.93 280 iP 21 11.79 0.6
 iS 21 24.67
 JACH 0.96 354 eP 21 12.09 0.3
 iS 21 25.19

S.D. = 0.9 on 8 of 8 obs.

* SEP 10, 1993 03h 38m 05.16s
 34.421 N 116.472 W
 DEPTH = 2.6km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.0 (PAS).

PEC 0.78 227 iPd 38 19.54 -1.2
 eS 38 30.20
 GSC 0.92 343 eP 38 22.78 -0.7
 eS 38 36.99
 SSK 1.03 259 eP 38 24.37 -1.1
 eS 38 38.90
 PLM 1.11 197 iPd 38 25.74 -1.1
 eS 38 42.73
 GLA 1.93 134 (P) 38 36.23 -3.1
 ISA 2.06 308 eP 38 43.14 2.0
 eS 39 09.72
 ABL 2.31 281 eP 38 45.71 0.8
 eS 39 16.83
 BCH 3.07 285 (P) 38 55.95 0.3
 TNP 3.70 351 (P) 39 05.93 1.2
 BONR 3.82 338 (P) 39 07.05 0.5
 ARUT 4.16 35 ePn 39 10.66 -0.5
 ePg 39 22.44
 MSU 5.35 39 (P) 39 26.18 -2.0

12 obs. associated

SEP 10, 1993 04h 17m 55.18± 0.79s
 34.683 N ± 6.1km 140.641 E ± 7.8km
 DEPTH = 33.0km (normal)
 4.3mb (2 obs.)
 NEAR EAST COAST OF HONSHU, JAPAN(228)

KAKJ 1.57 346 P 18 21.60 0.6
 S 18 40.10
 CHJJ 1.91 316 P 18 25.40 -0.7
 S 18 45.50
 IIDJ 2.38 290 P 18 33.40 0.7
 S 18 59.10
 MAT 2.71 314 eP 18 37.00 -0.4
 eS 19 07.00
 NIJJ 2.88 333 P 18 39.00 -0.7
 S 19 11.10
 MTMJ 2.99 310 P 18 41.60 0.1
 S 19 13.10
 YAMJ 3.52 352 P 18 49.70 0.8
 TSRJ 3.91 284 P 18 53.60 -0.8
 WKYJ 4.20 265 P 18 59.10 0.6
 OFUJ 4.47 10 P 19 02.10 -0.2
 eS 19 48.70
 TKSJ 5.50 265 P 19 17.50 0.6
 YONJ 5.92 277 eP 19 22.50 -0.3
 WB2 54.65 187 eP 27 22.00 -1.1
 0.5s 3.70nm 4.7mb
 WRA 54.65 187 P 27 23.90 0.8
 0.6s 0.80nm 3.9mb
 LPAZ 148.39 62 PKP 37 41.50 4.1X
 LPB 148.57 62 PKP 37 42.00 4.5X
 CNCB 148.84 62 PKP 37 44.00 5.9X
 S.D. = 0.7 on 14 of 17 obs.

SEP 10, 1993 04h 22m 11.88± 0.28s
 15.758 S ± 9.2km 179.904 E ± 7.2km
 DEPTH = 10.0km (geophysicist)

10d 04h

5.1mb (21 obs.) 4.8MsZ (30 obs.)
 FIJI ISLANDS (182)
 Mw 5.4 (HRV). Ms 4.8 (BRK).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 15C
 Centroid Location:
 Origin Time 04:22:16.8 0.4
 Lat 15.79S FIX; Lon 179.89E FIX
 Dep 15.0 FIX Half-duration 1.0
 Moment Tensor; Scale 10**17 Nm
 Mrr=-0.61 0.22 Mtt=0.65 0.20
 Mff=-0.04 0.09 Mrt=-0.24 0.26
 Mrf=0.04 0.19 Mtf=1.36 0.20
 Principal Axes:
 T Val= 1.72 Plg= 4 Azm=142
 N -0.56 72 245
 P -1.15 18 51
 Best Double Couple: Mo=1.4*10**17
 NP1: Strike=188 Dip=74 Slip=-170
 NP2: 95 80 -16

SVA	2.72	210	eP	22	55.20	-1.2
AFI	8.25	78	eP	24	16.00	1.4
			eS	26	00.00	
DZM	14.19	242	iPc	25	45.10	9.8X
BRs	27.69	241	eP	28	03.00	0.7
CTA	32.27	257	P	28	44.50	1.4
STK	38.32	238	eP	29	34.90	0.3
	0.9s	6.00nm			4.3mb	
HON	42.75	31	P	30	20.00	8.8X
	Z 20s	0.49um			4.4MsZ	
WB2	43.46	258	eP	30	15.00	-2.1
	0.7s	4.10nm			4.3mb	
WRA	43.47	258	P	30	16.10	-1.1
ASPA	43.86	252	iPc	30	19.20	-1.2
	1.2s	38.40nm			5.1mb	
	Z 23s	0.90um			4.6MsZ	
NANU	60.80	253	eP	32	25.50	-1.3
MAT	65.23	324	eP	32	54.00	-1.9
	1.0s	10.00nm			5.0mb	
	Z 20s	0.35um			4.6MsZ	
		eS	41	38.00		
CSY	67.42	204	eP	33	07.30	-2.1
	0.7s	9.60nm			5.1mb	
SMY	68.39	356	P	33	20.00	4.5X
	Z 20s	2.08um			5.4MsZ	
YSS	70.85	334	P	33	29.00	-1.7
SDN	72.74	12	P	33	50.00	8.1X
	Z 21s	1.65um			5.3MsZ	
NJ2	75.33	310	eP	33	58.50	1.1
JEGM	75.74	44	(P)	33	59.68	0.0
		e	34	05.86		
SAO	76.03	45	P	34	10.00	8.7X
	Z 20s	0.40um			4.7MsZ	
SNY	77.31	320	Pc	34	08.00	-0.3
	1.6s	50.00nm			5.4mb	
CN2	77.34	323	eP	34	08.70	0.3
	1.0s	20.00nm			5.2mb	
WDC	77.37	41	ePc	34	08.17	-0.6
	1.2s	12.13nm			4.9mb	
	Z 21s	0.67um			4.9MsZ	
LGPM	77.38	41	ePc	34	08.72	-0.2
CMB	77.41	44	eP	34	08.35	-0.7
	Z 21s	0.50um			4.8MsZ	
		eSKS	44	28.66		
		eLQ	54	03.66		
		eLR	57	32.66		
ORV	77.48	43	eP	34	08.46	-0.9
	Z 21s	0.40um			4.7MsZ	
		eSKS	44	16.67		
		eLQ	54	13.67		
		eLR	57	48.67		
ISA	77.52	47	P	34	20.00	10.2X
	Z 18s	0.30um			4.7MsZ	
YBH	77.91	40	eP	34	11.71	0.0
	Z 21s	0.40um			4.7MsZ	
		eSKS	44	51.52		
		eLQ	54	23.52		
		eLR	58	02.52		
WHN	78.03	307	eP	34	12.50	0.0
LBFM	78.21	41	(P)	34	13.66	0.1
TIA	78.61	313	Pc	34	15.70	0.1
SVW	79.06	12	eP	34	16.40	-1.2
SLKM	79.71	15	ePc	34	19.70	-1.4
CP2	79.91	13	eP	34	20.94	-1.5
CRP	79.93	13	eP	34	20.64	-1.9
TTA	80.66	11	ePc	34	26.08	-0.2
	1.0s	24.10nm			5.2mb	
PMR	80.92	14	ePc	34	26.15	-1.3
	1.2s	24.92nm			5.1mb	
	Z 20s	0.34um			4.7MsZ	
BJI	81.13	316	eP	34	29.50	0.5
	1.8s	57.00nm			5.3mb	
GMW	81.15	35	eP	34	28.49	-0.5
SIT	81.52	23	P	34	40.00	9.3X
	Z 20s	1.23um			5.3MsZ	
RMW	81.65	36	ePc	34	31.05	-0.7
TUC	81.69	53	eP	34	33.59	1.3
	1.1s	6.18nm			4.6mb	
	Z 19s	0.36um			4.7MsZ	
ARUT	82.09	47	eP	34	34.71	0.4
TOA	82.09	15	eP	34	33.40	-0.3
TIY	82.63	312	eP	34	38.00	1.0
	Z 30s	1.25um			5.1MsZ	
MSU	83.31	47	eP	34	40.84	0.1
DUG	83.61	45	eP	34	40.96	-1.1
	1.1s	3.64nm			4.5mb	
	Z 21s	0.36um			4.7MsZ	
XAN	83.67	308	P	34	43.00	0.6
	1.2s	25.00nm			5.3mb	
		pP	34	53.50	33kmX	
IMA	83.95	11	ePc	34	42.75	-0.5
FBA	84.08	13	iPc	34	42.16	-1.6
	1.3s	65.17nm			5.7mb	
HHAI	85.29	43	eP	34	50.82	0.4
KMI	85.41	298	Pd	34	53.00	1.4
	1.6s	50.00nm			5.5mb	
PV09	85.46	48	eP	34	51.06	-0.6
PV10	85.48	48	eP	34	50.56	-1.1
BTO	85.57	314	eP	34	52.00	0.1
MCMT	85.68	41	eP	34	52.50	0.0
ALQ	86.05	52	P	35	00.00	5.5X
	Z 20s	0.31um			4.7MsZ	
LTX	86.23	58	eP	34	55.05	-0.3
CD2	86.55	303	iPd	34	53.70	-3.1X
	1.2s	48.00nm			5.6mb	
LZH	88.30	308	eP	35	07.50	2.2
	1.8s	120.00nm			5.9mb	
	Z 25s	0.33um			4.7MsZ	
CIT	88.45	326	eP	35	06.50	1.0
GOL	88.62	48	P	35	20.00	13.1X
	Z 20s	0.27um			4.7MsZ	
RSSD	91.15	44	eP	35	17.74	-0.8
	1.3s	11.49nm			5.1mb	
	Z 19s	0.17um			4.5MsZ	
GTA	92.42	310	eP	35	25.00	0.6
	1.4s	7.00nm			4.9mb	
NVL	93.30	184	eP	35	27.00	-0.8
ZAK	93.71	321	eP	35	29.50	-0.3
	1.0s	10.00nm			5.2mb	
MIAR	95.97	56	P	35	50.00	9.3X
	Z 20s	0.28um			4.7MsZ	
FVM	99.27	53	P	36	10.00	14.6X
	Z 20s	0.61um			5.1MsZ	
MYNC	103.68	57	Pdiff	36	30.00	14.6X
	Z 20s	0.39um			4.9MsZ	
CEH	107.86	57	PKP	40	50.00	8.4X
	Z 20s	0.41um			5.0MsZ	
YSNY	108.92	50	PKP	40	50.00	6.5X
	Z 20s	0.25um			4.8MsZ	
BINY	110.80	50	PKP	41	00.00	13.0X
	Z 21s	0.40um			5.0MsZ	
RSNY	111.93	48	PKP	41	00.00	11.0X
	Z 20s	0.14um			4.6MsZ	
LSCT	112.84	51	PKP	41	00.00	9.2X
	Z 20s	0.44um			5.1MsZ	
LBNH	113.79	48	PKP	41	00.00	7.3X
	Z 20s	0.30um			4.9MsZ	
HRV	114.08	50	PKP	41	00.00	6.7X
	Z 21s	0.37um			5.0MsZ	
CBM	116.33	45	PKP	41	10.00	12.6X
	Z 21s	0.38um			5.0MsZ	
KSP	142.60	343	ePKP	41	43.00	-3.9X
BRG	143.19	345	iPKP	41	50.40	2.5X
PRU	143.85	344	ePKP	41	46.50	-2.5X
CTT	144.67	321	iPKP	41	49.30	-1.4
ZST	144.69	340	iPKP	41	49.00	-1.5
ALT	144.81	317	ePKP	41	50.00	-1.2
KHC	144.89	344	ePKP	41	50.00	-0.9
	1.2s	28.00nm				
		e	42	03.50		
GRF	144.92	347	iPKPc	41	50.00	-0.9
	Z 20s	0.10um			4.6MsZ	
WET	145.05	345	iPKPc	41	50.20	-0.9
PVL	145.07	327	iPKP	41	52.00	0.7
GEC2	145.12	344	e(PKP)	41	50.30	-1.1
	0.9s	11.70nm				
SNF	145.15	355	PKP	41	50.50	-0.7
DST	145.46	319	ePKP	41	51.50	-0.7
DOU	145.54	355	PKP	41	51.00	-0.9
KMR	145.72	343	iPKP+	41	52.90	0.6
DIM	145.76	325	iPKP	41	54.00	1.5
WLF	145.80	353	iPKPc	41	52.83	0.5
	1.2s	75.00nm				
KDZ	146.09	325	iPKPc	41	54.00	0.9
PGB	146.15	327	iPKP	41	55.00	1.7
RZN	146.45	325	iPKPc	41	55.00	1.1
VTS	146.62	328	iPKPc	41	55.00	0.9
KBA	146.83	343	iPKPc	41	54.80	0.4
	1.1s	11.80nm				
CDF	146.88	351	iPKPc	41	55.40	1.1
	0.9s	24.55nm				
WATA	147.06	345	iPKPc	41	55.90	1.2
PTJ	147.07	339	iPKP	41	55.90	1.3
FLN	147.08	0	iPKPc	41	55.40	1.0
	1.1s	46.65nm				
WTTA	147.11	345	iPKPc	41	56.40	1.6
	0.9s	17.60nm				
		i	42	10.60		
ZAG	147.14	339	ePKP	41	55.00	0.4
MOTA	147.16	346	iPKPc	41	55.90	1.1
	1.0s	18.30nm				
KKB	147.20	327	iPKPc	41	57.00	2.1X
LDF	147.26	0	iPKPc	41	57.10	2.4X
	1.5s	65.30nm				
SQTA	147.25	346	iPKPc	41	56.70	1.7
	0.9s	14.90nm				
HAU	147.41	352	iPKPc	41	56.80	1.8
	1.4s	35.30nm				
	Z 21s	0.13um			4.7MsZ	
GRR	147.45	1	iPKPc	41	56.70	1.7
	1.1s	29.80nm				
SRS	147.46	326	ePKP	41	57.02	1.7
BSF	147.51	351	iPKPc	41	57.00	1.7
	1.2s	17.55nm				
OGA	147.63	346	iPKPd	41	58.60	2.9X
VBY	147.66	340	ePKP	41	57.90	2.4X
SOH	147.80	325	ePKP	41	57.70	1.8X
KNT	147.80	326	ePKP	41	57.38	1.5
LPF	147.81	1	iPKPc	41	57.80	2.2X
	1.1s	46.65nm				
GRG	148.21	327	ePKP	41	58.98	2.4X
PAIG	148.23	324	ePKP	41	58.22	1.7
LOR	148.41	355	iPKPc	41	59.60	2.9X
	1.1s	18.30nm				
	Z 24s	0.13um			4.6MsZ	
SSF	148.65	355	iPKPc	42	00.30	3.3X
	1.2s	34.80nm				
LBF	148.68	355	iPKPc	42	00.10	3.0X
	1.1s	19.55nm		</		

SOLOMON ISLANDS (193)					CMB 1.53 37 eP 15 24.36 0.3					iS 51 51.73						
HNR	1.10 294 iP	12 45.50	-0.1		NTYM	1.80 331 eP	15 26.77	-1.2		ROCH	1.91 148 iP	51 27.76	-0.4			
	iS	12 57.00			BCH	2.02 143 ePn	15 29.06	-2.2		LCCH	2.19 166 iP	51 31.41	-0.5			
CTA	17.45 233 iPc	16 29.00	-0.1		MEMM	2.25 67 eP	15 35.28	0.8		PEL	2.20 145 iP	51 56.65				
	1.0s	5.00nm	3.6mb		ORV	2.73 1 eP	15 42.39	1.0		TACH	2.53 155 iP	51 36.40	-0.4			
	i	16 32.00			BONR	2.82 65 eP	15 44.57	1.6			iS	52 07.42				
BRS	19.05 203 iP	16 53.00	4.2X		29 obs. associated					RTRS	2.64 64 iPd	51 45.50	7.2X			
QIS	23.16 240 eP	17 31.40	0.3		-----					PCH	2.68 148 iP	51 38.80	-0.2			
STK	28.31 217 eP	18 18.90	-0.3		% SEP 10, 1993 07h 33m 23.69± 0.88s					iS	52 10.44					
	0.4s	2.60nm	4.3mb		39.124 N ± 8.8km	27.636 E ± 8.9km			LNK	2.68 166 iP	51 37.76	-1.2				
NANU	45.24 248 eP	20 43.00	0.2		DEPTH = 10.0km (geophysicist)					iS	52 09.33					
	S.D. = 0.4 on	5 of 6 obs.			TURKEY (366)				RTCB	2.91 94 ePc	51 44.50	2.2				
-----					ML 2.8 (ISK).					S	52 20.00					
? SEP 10, 1993 05h 17m 02.71± 0.89s					IZM	0.78 202 ePg	33 39.00	0.1	ZON	3.02 95 eP	51 46.60	2.8X				
44.465 N ± 7.2km	7.264 E ± 13.8km				eSg	33 52.20			CACH	3.07 154 iP	51 45.43	0.8				
DEPTH = 10.0km (geophysicist)				DST	0.91 58 iPn	33 41.70	0.6			iS	52 21.31					
NORTHERN ITALY (545)					EZN	1.23 305 ePn	33 46.60	0.0	RTCV	3.17 100 eP	51 47.80	1.8				
ML 1.6 (GEN).					KCT	1.25 26 iPn	33 47.30	0.3	RTLL	3.20 91 ePc	51 47.50	1.2				
PZZ	0.12 289 P	17 05.86	0.0	IZI	1.86 49 ePn	33 55.00	-1.0			S	52 25.00					
	S	17 07.82		S.D. = 0.9 on	5 of 5 obs.			CFA	3.40 95 ePd	51 50.20	1.0					
STV	0.22 169 P	17 07.69	0.1	-----						S	52 39.00					
	S	17 10.84		* SEP 10, 1993 07h 36m 06.30± 1.43s				RTPR	5.01 79 eP	52 10.00	-1.9					
ENR	0.26 155 P	17 08.24	-0.1	2.227 N ± 13.4km	126.805 E ± 15.3km			MRA	5.63 103 eP	52 19.80	-0.8					
	S	17 11.91		DEPTH = 86.7 ± 12.3 km				TCA	6.51 92 iP	52 31.50	-1.7					
BHB	0.38 360 P	17 10.47	0.0	4.9mb (4 obs.)					(S)	53 42.00						
	S	17 15.50		NORTHERN MOLUCCA SEA (266)				ANT	7.78 12 eP	53 12.50	21.7X					
S.D. = 0.1 on	4 of 4 obs.			TNE	1.51 160 ePc	36 32.20	-0.2	SLA	8.87 44 e(P)	53 20.00	13.9X					
-----						eS	37 00.00		CCH	14.96 23 P	54 32.00	3.8X				
* SEP 10, 1993 05h 59m 24.44± 1.10s					MNI	2.11 248 ePc	36 40.70	0.2	CNCB	14.97 16 P	54 29.00	0.4				
42.577 N ± 11.6km	2.450 E ± 7.7km				eS	37 08.50		LPB	15.22 15 P	54 32.00	0.4					
DEPTH = 10.0km (geophysicist)				WB2	23.25 162 iPc	41 07.10	0.3	LPBZ	15.45 15 P	54 33.60	-1.2					
PYRENEES (378)						0.2s	17.70nm	5.1mb	STV	18.35 36 P	55 07.30	-3.5X				
ML 2.5 (LDG).					QIS	25.89 152 eP	41 32.80	0.9	PPD	20.82 69 eP	55 34.60	-3.6X				
PERF	0.33 106 Pg	59 30.79	-0.4	ASPA	26.65 165 iPc	41 38.30	-0.6	BAO	27.07 60 eP	56 36.90	-1.8					
TRGS	0.37 258 Pg	59 32.83	0.8		0.6s	5.30nm	4.2mb	NVL	58.81 157 eP	00 54.00	0.0					
GRBF	0.72 292 Pn	59 37.25	-1.5		eS	46 20.60		LTX	67.36 330 eP	01 50.72	-0.4					
	Pg	59 38.34		FORT	32.84 178 eP	42 33.50	-0.3	KIC	74.40 72 P	02 32.40	-1.3					
LESF	0.97 298 Pn	59 41.19	-1.7	STK	36.71 159 eP	43 06.10	-0.7	GOL	77.10 334 eP	02 47.93	-0.9					
	Pg	59 42.25			0.7s	10.10nm	4.9mb		0.8s	4.10nm	4.5mb					
EPF	1.62 287 Pg	59 54.60	1.5	BJI	38.86 347 eP	43 24.50	-0.2	LMN	77.13 5 eP	02 49.00	0.5					
	Sg	00 14.70		ARMA	40.18 146 eP	43 36.40	0.5	PV08	77.41 332 eP	02 51.56	0.9					
LPO	2.30 337 Pg	00 01.50	-1.4		0.5s	8.00nm	4.8mb	MSU	78.85 329 eP	02 58.94	0.5					
	Sn	00 22.60		S.D. = 0.7 on	9 of 9 obs.			CSY	82.65 181 eP	03 18.60	0.8					
	Sg	00 29.30		-----						2.3s	2.40nm	3.9mb				
CAF	2.36 353 Pg	00 04.00	0.1	* SEP 10, 1993 07h 41m 18.10± 0.89s					e	03 29.80						
	Sg	00 29.70		39.085 N ± 7.7km	27.559 E ± 9.1km			LGPM	85.78 324 (P)	03 35.26	1.1					
LFF	2.67 333 Pg	00 09.70	1.5	DEPTH = 10.0km (geophysicist)				GBA	147.01 115 PKP	10 37.00	0.7					
	Sg	00 41.20		TURKEY (366)				S.D. = 1.1 on 30 of 37 obs.								
RJF	2.81 346 Pg	00 11.40	1.2	ML 2.6 (ISK).				% SEP 10, 1993 09h 03m 01.61± 2.50s								
	Sn	00 33.20		IZM	0.72 199 ePg	41 32.20	-0.2	39.173 N ± 19.4km	27.631 E ± 7.7km							
	Sg	00 45.40		DST	0.98 58 ePg	41 37.30	0.6	DEPTH = 10.0km (geophysicist)								
TCF	3.71 357 Pg	00 27.30	4.2X		eSg	41 51.80		TURKEY (366)								
	Sg	01 12.50		EZN	1.21 308 ePn	41 41.10	0.5	ML 2.7 (ISK).								
S.D. = 1.5 on	9 of 10 obs.			KCT	1.32 28 ePn	41 42.00	-0.4	DST	0.88 61 ePg	03 18.60	0.0					
-----					KGT	1.38 352 iPn	41 42.80	-0.5		eSg	03 33.60					
& SEP 10, 1993 07h 14m 56.39s					S.D. = 0.7 on	5 of 5 obs.			EDC	1.19 9 ePn	03 23.60	-0.1				
36.819 N	121.549 W			-----					BNT	1.20 11 ePn	03 24.00	0.0				
DEPTH = 7.5km				% SEP 10, 1993 08h 18m 47.74± 2.67s				EZN	1.20 303 ePn	03 24.00	0.0					
CENTRAL CALIFORNIA (39)					39.685 N ± 22.0km	29.419 E ± 14.6km			KCT	1.21 27 iPn	03 24.30	0.1				
<GM-P>. MD 2.8 (GM).					DEPTH = 10.0km (geophysicist)			KGT	1.30 349 iPn	03 25.70	0.0					
HJGM	0.03 224 P	14 57.75	-0.2	TURKEY (366)				S.D. = 0.1 on	6 of 6 obs.							
DIL	0.08 282 P	14 58.54	0.0	ML 2.6 (ISK).				-----								
SAO	0.10 123 iPd	14 58.64	-0.2	DST	0.62 263 ePg	19 00.00	-0.2	? SEP 10, 1993 09h 06m 53.75± 1.00s								
PKH	0.12 72 P	14 59.95	0.8		eSg	19 10.20		39.049 N ± 8.4km	27.676 E ± 10.1km							
BSRM	0.15 171 P	14 59.70	-0.1	IZI	0.65 4 iPg	19 00.10	-0.7	DEPTH = 10.0km (geophysicist)								
SFL	0.20 36 P	15 01.16	0.5		eSg	19 09.10		TURKEY (366)								
JRRM	0.27 329 P	15 01.99	-0.1	KCT	0.99 305 ePn	19 07.30	0.7	ML 2.7 (ISK).								
GHS	0.29 16 P	15 02.75	0.4	EYL	1.05 33 ePn	19 08.00	0.5	IZM	0.73 207 ePg	07 08.00	-0.1					
JTGM	0.34 309 P	15 03.26	0.0	KGT	1.80 296 ePn	19 18.70	-0.3		eSg	07 19.00						
EKH	0.34 117 P	15 03.98	0.7	S.D. = 0.8 on	5 of 5 obs.			DST	0.92 53 iPn	07 11.60	0.2					
BPRM	0.44 200 P	15 05.13	-0.1	-----					EZN	1.30 307 ePn	07 18.00	0.2				
ARN	0.53 1 iPd	15 07.32	0.3	SEP 10, 1993 08h 50m 57.17± 1.15s				EDC	1.30 6 ePn	07 17.60	-0.3					
MHR	0.56 343 P	15 08.28	0.5	31.350 S ± 5.8km	72.205 W ± 10.3km			S.D. = 0.4 on	4 of 4 obs.							
LRV	0.58 133 P	15 07.75	-0.3	DEPTH = 35.0 ± 11.7 km				-----								
BMSM	0.63 105 P	15 09.28	0.3	4.2mb (2 obs.)				? SEP 10, 1993 09h 15m 07.48± 1.21s								
BTW	0.71 135 P	15 10.10	-0.5	OFF COAST OF CENTRAL CHILE (134)				40.350 N ± 9.3km	20.640 E ± 11.7km							
MNR	0.78 355 P	15 12.22	0.4	MD 4.5 (SAN).				DEPTH = 10.0km (geophysicist)								
PJLM	0.79 156 P	15 11.59	-0.5	IHA	1.74 164 iPc	51 25.00	-0.5	GREECE-ALBANIA BORDER REGION (392)								
PSAM	0.95 146 P	15 14.42	-0.4		iS	51 33.30		FNA	0.71 52 eP	15 30.34	8.8X					
MTG	1.01 349 P	15 17.71	1.9	JACH	1.91 135 iP	51 28.28	0.2	OHR	0.77 9 ePn	16 15.00	52.5X					
WKR	1.31 140 P	15 20.30	-0.5					IGT	0.85 196 eP	15 23.82	-0.1					
HMR	1.35 352 (P)	15 24.29	2.9													
PHAM	1.35 136 ePn	15 18.32	-3.2													

10d 09h

LIT 1.44 99 eP 15 32.90 -0.7
 GRG 1.47 65 eP 15 33.10 -1.0
 SKO 1.73 20 ePn 15 38.00 0.3
 AGG 1.86 135 eP 15 48.50 8.8X
 SOH 2.12 76 eP 15 43.70 0.2
 PAIG 2.37 99 eP 15 47.42 0.4
 OUR 2.55 89 iP 15 50.42 0.8
 S.D. = 0.8 on 7 of 10 obs.

% SEP 10, 1993 09h 19m 39.97± 0.63s
 39.657 N ± 5.7km 29.473 E ± 4.7km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.8 (ISK).

DST 0.65 266 iPg 19 52.10 -1.0
 eSg 20 02.10
 IZI 0.68 360 iPg 19 53.30 -0.2
 eSg 20 03.30
 ALT 0.78 140 ePg 19 55.50 0.3
 eSg 20 07.00
 GPA 0.90 45 ePn 19 57.00 -0.3
 KCT 1.04 305 iPn 19 59.30 -0.4
 EYL 1.05 30 iPn 19 59.30 -0.5
 HRT 1.17 7 ePn 20 02.20 0.3
 BNT 1.38 301 ePn 20 05.20 -0.1
 EDC 1.42 300 ePn 20 06.60 0.9
 CTT 1.69 332 ePn 20 10.30 0.7
 KGT 1.84 296 ePn 20 12.20 0.3
 S.D. = 0.6 on 11 of 11 obs.

SEP 10, 1993 09h 26m 20.62± 0.40s
 37.106 N ± 3.2km 5.803 W ± 4.3km
 DEPTH = 5.0km (geophysicist)

SPAIN (377)
 mbLg 3.4 (MDD).

GIBL 0.30 203 iP 26 25.30 -1.5
 LIJA 0.38 123 iP 26 28.70 0.5
 RANB 0.54 210 iP 26 31.30 -0.2
 PINR 0.66 203 iP 26 33.70 0.0
 BJIF 0.71 158 iPc 26 34.01 -0.7
 eS 26 42.80
 SFS 0.72 207 iP 26 36.10 1.1
 EHOR 0.84 31 iPc 26 38.95 1.6
 eS 26 50.70
 EVAL 0.89 303 iPd 26 38.68 0.5
 eS 26 52.20
 PLAT 0.98 178 iP 26 40.00 0.2
 OJEN 1.03 168 iP 26 41.30 0.8
 ELUQ 1.31 69 eP 26 46.04 0.8
 eS 27 03.80

CPS 1.33 172 iP 26 37.00 -8.6X
 iS 26 51.50

BIT 1.46 178 eP 26 40.00 -7.6X
 eS 26 54.00

TSY 1.73 185 eP 26 43.50 -8.0X
 iS 27 00.50

ECOG 1.79 84 eP 26 52.97 0.4
 eS 27 15.20

EGUA 1.81 98 iPd 26 53.27 0.5
 eS 27 15.50

EBAN 1.92 56 eP 26 53.99 -0.3
 eS 27 18.40

EHUE 2.65 74 eP 27 04.41 -0.4
 eS 27 36.90

PAB 2.69 25 ePn 27 03.20 -2.2
 ePb 27 10.00
 ePg 27 21.00
 eSn 27 36.00
 iSg 27 50.00

ENIJ 2.88 92 eP 27 07.63 -0.4
 eS 27 41.20

EPLA 2.96 356 eP 27 09.69 0.5
 eS 27 43.90

EVIA 3.03 59 eP 27 09.86 -0.3
 GUD 3.76 20 eP 27 20.88 0.2
 eS 28 05.00

ECHE 4.54 55 eP 27 31.10 -0.5
 ETOR 4.72 37 iPc 27 33.83 -0.4
 S.D. = 0.9 on 22 of 25 obs.

% SEP 10, 1993 09h 27m 32.12± 0.88s
 39.649 N ± 7.6km 29.424 E ± 7.3km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

DST 0.62 266 ePg 27 43.10 -1.5
 eSg 27 53.10
 IZI 0.69 3 iPg 27 45.30 -0.5
 eSg 27 54.80
 ALT 0.80 138 ePg 27 48.00 0.3
 eSg 28 00.00
 KCT 1.02 307 ePn 27 52.30 0.9
 EYL 1.08 31 ePn 27 52.30 -0.1
 HRT 1.19 9 ePn 27 54.00 -0.3
 EDC 1.39 301 ePn 27 58.60 1.1
 S.D. = 1.1 on 7 of 7 obs.

% SEP 10, 1993 09h 38m 17.45± 0.68s
 26.923 S ± 6.5km 26.756 E ± 6.5km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.7 (PRE).

BFS 0.04 47 eP 38 18.80 0.0
 S 38 19.00
 PRY 0.64 91 eP 38 29.70 -0.6
 S 38 37.90
 KSR 1.06 7 eP 38 38.00 0.0
 S 38 51.00
 SWZ 1.30 258 eP 38 42.20 0.1
 S 38 58.10
 SEK 1.59 151 iPd 38 47.60 1.1
 S 39 00.90
 SLR 1.81 50 iPc 38 50.00 0.4
 S 39 12.50
 BLF 2.23 193 eP 38 55.00 -0.8
 S 39 21.50
 S.D. = 0.8 on 7 of 7 obs.

* SEP 10, 1993 09h 42m 54.41± 1.52s
 24.122 S ± 17.1km 67.261 W ± 14.9km
 DEPTH = 230.6 ± 21.1 km
 CHILE-ARGENTINA BORDER REGION (127)

YJA 2.53 40 ePd 43 42.50 1.0
 ANT 2.92 278 iPc 43 45.00 -0.2
 iS 44 20.20
 CCH 6.79 9 P 44 31.00 -2.2
 CNCB 7.30 355 P 44 40.30 0.3
 e 46 03.00
 LPB 7.59 354 P 44 44.30 0.7
 LPAZ 7.84 354 P 44 47.20 0.2
 i 46 13.10
 SIV 9.96 37 P 45 10.20 -3.5X
 PPD 14.83 85 eP 46 13.50 -1.1
 BAO 19.97 69 eP 47 12.00 1.1
 S.D. = 1.5 on 8 of 9 obs.

? SEP 10, 1993 09h 44m 07.05± 4.09s
 44.761 N ± 27.6km 2.603 E ± 21.2km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 2.1 (LDG).

CAF 0.42 293 Pg 44 15.00 -0.6
 Sg 44 23.10
 RJF 0.94 306 Pg 44 24.70 -0.3
 Sg 44 38.70
 LPO 1.01 266 Pg 44 26.30 0.1
 Sg 44 41.00
 MAF 1.46 359 Pg 44 32.40 -1.1
 Sg 44 52.50
 TCF 1.55 350 Pg 44 34.60 -0.2
 Sg 44 55.30
 LSF 1.67 334 Pg 44 38.20 1.7
 S.D. = 1.2 on 6 of 6 obs.

% SEP 10, 1993 10h 03m 46.44± 1.95s
 40.087 N ± 13.1km 29.372 E ± 14.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.5 (ISK).

IZI 0.26 17 iPg 03 52.00 0.0
 eSg 03 56.00
 DST 0.75 230 ePg 04 01.10 0.0
 KCT 0.79 282 ePg 04 03.00 1.1
 BNT 1.14 284 ePn 04 07.20 -0.7
 EDC 1.18 283 ePn 04 08.10 -0.4
 S.D. = 1.0 on 5 of 5 obs.

* SEP 10, 1993 10h 43m 40.09± 0.79s

36.097 N ± 9.6km 140.087 E ± 8.7km
 DEPTH = 80.9 ± 5.5 km
 4.7mb (16 obs.)
 NEAR EAST COAST OF HONSHU, JAPAN (228)

KAKJ 0.13 33 P 43 51.30 -0.5
 S 43 58.10
 CHJJ 0.89 267 iPd 43 58.60 0.5
 S 44 10.90
 MAT 1.58 287 eP 44 07.00 0.1
 eS 44 26.00
 CN2 13.60 309 eP 46 56.80 6.1X
 SNY 14.05 299 eP 46 58.20 1.6
 SSE 16.51 258 Pd 47 28.50 0.6
 TIA 18.54 277 P 47 51.20 -1.7
 BJI 19.22 289 eP 47 59.50 -0.8
 1.8s 96.00nm 4.8mb
 TIY 22.14 282 eP 48 33.60 3.4X
 XAN 25.54 275 P 49 01.60 -1.2
 0.5s 10.00nm 4.6mb
 GYA 30.01 261 iPd 49 42.40 -1.0
 1.0s 47.00nm 5.2mb
 CD2 30.61 271 iPd 49 49.40 0.8
 GTA 31.83 288 eP 49 58.50 -0.8
 1.0s 5.00nm 4.3mb
 KMI 33.77 262 Pd 50 16.00 -0.3
 1.0s 50.00nm 5.4mb
 GUN 46.19 276 P 52 00.00 1.0
 0.4s 13.00nm 5.2mb
 KKN 46.72 276 P 52 04.00 1.0
 0.8s 51.00nm 5.5mb
 DMN 46.93 276 P 52 05.20 0.4
 WB2 56.00 187 iPc 53 11.70 -0.8
 0.5s 5.80nm 4.9mb
 WRA 56.00 187 P 53 12.20 -0.3
 0.6s 2.50nm 4.4mb
 ASPA 59.73 187 eP 53 40.10 1.5
 0.8s 3.90nm 4.6mb
 GBA 60.07 265 Pc 53 41.10 0.0
 0.6s 4.00nm 4.7mb
 DAG 66.62 355 eP 54 24.20 0.8
 0.6s 2.00nm 4.2mb
 KAF 68.65 332 iP 54 35.60 -0.6
 0.4s 2.60nm 4.5mb
 NUR 70.27 332 eP 54 30.10 -16.0X
 HFS 74.50 335 eP 55 10.40 -0.7
 0.5s 3.40nm 4.5mb
 NB2 74.63 337 P 55 11.90 0.0
 0.7s 4.50nm 4.5mb
 CLL 81.37 330 iP 55 49.20 0.3
 0.8s 9.00nm 4.7mb
 LPAZ 148.09 59 PKP 03 20.20 4.5X
 LPB 148.28 59 ePKP 03 21.00 5.2X
 CNCB 148.55 60 PKP 03 22.80 6.4X
 MOCB 153.12 64 PKP 03 05.80 -17.1X
 S.D. = 0.9 on 24 of 31 obs.

SEP 10, 1993 10h 50m 19.70± 0.46s
 16.683 N ± 5.9km 98.737 W ± 5.9km
 DEPTH = 10.0km (geophysicist)
 4.9mb (20 obs.)
 NEAR COAST OF GUERRERO, MEXICO (58)

ACK 1.09 280 iP 50 38.60 -1.6
 III 1.82 338 iP 50 52.51 1.0
 OXX 1.97 78 iP 50 58.55 4.9X
 iS 51 29.48
 IIT 2.36 10 iP 51 00.68 1.3
 PPM 2.37 3 iP 51 01.04 1.3
 IIA 2.45 2 iP 51 01.83 1.4
 CRX 2.85 342 (P) 51 08.39 2.0
 LVVM 3.74 35 iP 51 18.94 0.3
 iS 52 07.55
 MRX 3.80 323 iP 51 20.88 1.3
 AGX 6.17 327 (P) 52 10.52 17.5X
 (S) 53 36.51
 LTX 13.38 341 eP 53 32.26 -0.1
 eS 57 25.25
 MEO 18.03 0 iPc 54 32.40 0.4
 MIAR 18.38 14 eP 54 34.13 -2.2
 1.1s 52.10nm 4.6mb
 OCO 18.80 3 iPd 54 40.70 -0.8
 TUC 19.01 327 eP 54 45.73 1.6
 0.8s 19.39nm 4.4mb
 e 54 53.30 29kmX
 TUL 19.33 7 iP 54 45.80 -2.2
 ALQ 19.45 341 ePd 54 48.55 -1.1

[illegible]

10d 13h

KZN	2.06	32	eP	33	55.00	1.4	MOTA	11.06	325	iPc	35	59.80	0.0	eS	58	07.51					
LIT	2.27	47	eP	33	57.10	0.6				i	37	43.50		PWL	3.89	318	eP	57	27.98	-1.0	
			eS	34	26.20					i	37	47.90		SEW	3.90	304	eP	57	28.34	-0.6	
FNA	2.35	20	eP	33	59.48	1.7				i	38	00.20				eS	58	10.52			
OHR	2.56	8	iPnc	34	30.00	2.0	GEC2	11.33	337	Pn	36	01.20	-2.1	CFI	3.94	324	eP	57	29.23	-0.3	
	1.1s	1230.00nm								Sn	38	07.80		MPA	4.06	309	eP	57	30.56	-0.7	
			i	34	08.00		KHC	11.62	337	P	36	05.40	-1.8	PTE	4.15	315	eP	57	31.66	-0.9	
			i	34	34.90			1.0s	3.50nm	e	36	14.50	4.6mb X			eS	58	18.06			
			i	34	40.30					e	36	29.90		SIT	4.26	101	eP	57	31.89	-2.2	
			Lg	34	58.00		PRU	12.14	342	eP	36	14.80	0.6	TOA	4.33	340	P	57	36.00	0.7	
ATH	2.73	102	eP	34	03.00	-0.1		Z	14s	0.30um	e	36	27.50		SCM	4.34	332	eP	57	34.89	-0.6
VLI	2.78	131	eP	34	05.20	1.5				e	36	27.50		SLKM	4.43	306	eP	57	36.00	-0.6	
GRG	2.87	33	eP	34	05.92	0.9	DOU	16.07	321	P	37	13.10	7.3X	CNPM	4.52	292	eP	57	38.58	0.7	
THE	2.89	44	eP	34	06.19	0.8	KIV	17.63	65	eP	37	30.60	4.9X	PMS	4.59	316	P	57	38.90	-0.1	
PAIG	2.93	61	eP	34	06.46	0.6	UPP	21.38	356	iP	38	07.50	-0.4	SML	4.60	327	eP	57	38.44	-0.6	
			eS	34	42.04		HFS	21.99	351	eP	38	14.50	0.4	PLRM	4.68	321	eP	57	40.97	0.8	
SOH	3.24	45	eP	34	10.60	0.3		0.4s	2.20nm				4.0mb	PMR	4.68	321	eP	57	39.45	-0.8	
KNT	3.26	37	eP	34	10.66	0.1	NUR	22.13	6	eP	38	13.00	-2.4			eS	58	32.85			
			eS	34	50.40		EKA	23.02	324	Pc	38	28.20	3.9X	GHO	4.75	324	eP	57	42.49	1.2	
OUR	3.33	57	eP	34	11.03	-0.5		1.0s	13.00nm				4.4mb	HOM	4.76	293	eP	57	40.80	-0.5	
ULC	3.49	347	iPnd	34	14.27	0.5	NB2	23.20	349	P	38	26.20	0.1	SYI	4.98	280	eP	57	46.00	1.7	
			iSn	34	54.72			0.7s	1.60nm				3.7mb	PWA	4.98	319	P	57	43.70	-0.7	
SKO	3.50	14	iPn	34	14.50	0.5	KAF	23.86	7	eP	38	31.40	-0.9	KDC	5.08	270	eP	57	46.75	1.1	
	0.9s	100.00nm						S.D. = 1.3	on	60	of	69	obs.	SUA	5.18	314	eP	57	46.38	-0.9	
	Z	10s	1.89um											ILIM	5.51	295	eP	57	52.46	0.4	
			iPb	34	22.00									OPT	5.54	291	eP	57	53.17	0.8	
			iPg	34	24.50									SPU	5.54	308	eP	57	51.66	-0.8	
			i	34	28.00									AUE	5.56	288	P	57	54.00	1.5	
			LR	34	36.00									INE	5.56	295	eP	57	53.01	0.3	
SDA	3.53	350	ePn	34	16.00	1.6								DFR	5.56	301	eP	57	52.77	0.1	
			iSn	34	57.80									RDW	5.57	300	eP	57	53.28	0.3	
SRS	3.57	44	eP	34	14.07	-0.9								BKG	5.58	306	P	57	52.03	-0.9	
BCI	3.80	357	iPnd	34	16.40	-1.8	CFA	0.11	230	iPd	13	18.50	-0.1	AUI	5.58	287	P	57	54.00	1.1	
			iSn	35	07.90									AUP	5.58	288	eP	57	53.50	0.5	
BDV	3.88	343	iPnc	34	18.89	-0.5	RTLL	0.35	307	ePc	13	21.50	0.2	CGLM	5.59	309	eP	57	52.06	-1.1	
			iSn	35	02.92									AUL	5.59	288	eP	57	52.85	-0.2	
KKB	3.91	32	iP	34	19.00	-0.8	RTCV	0.47	226	eP	13	23.00	-0.1	AUH	5.59	288	eP	57	53.69	0.5	
TTG	3.94	348	iPnd	34	20.46	0.3								INW	5.59	295	eP	57	52.88	-0.3	
			iSn	35	05.90		RTPR	1.87	49	e(P)	13	43.30	-0.2	AUW	5.61	288	eP	57	51.55	-1.7	
MMB	3.98	40	iP	34	20.00	-0.9								CRP	5.63	308	(P)	57	54.37	0.6	
PVY	4.03	356	iPnd	34	23.27	1.7	MRA	2.25	113	e(P)	13	49.10	0.2	CUT	5.64	323	eP	57	54.33	0.5	
			iSn	35	10.54									CDD	5.65	283	eP	57	55.04	1.2	
HCY	4.12	341	iPnd	34	21.63	-1.0								CP2	5.66	308	eP	57	53.60	-0.7	
			iSn	35	07.84									NGC	5.70	310	eP	57	54.03	-0.7	
IVA	4.31	356	iPnc	34	27.07	1.5								BGL	5.73	308	eP	57	54.45	-0.6	
			iSn	35	17.10									SKT	5.79	316	eP	57	55.20	-0.6	
NKY	4.36	347	iPnd	34	26.18	0.0								PDB	6.04	291	eP	58	00.04	0.7	
			iSn	35	15.46									TRF	6.46	330	eP	58	05.52	0.1	
VAM	4.42	134	eP	34	29.00	1.9								SVW	7.09	301	eP	58	13.06	-1.1	
BRY	4.53	343	iPnd	34	27.95	-0.8	KAIM	1.99	339	eP	57	02.70	0.8	TTA	8.04	313	eP	58	26.90	-0.7	
			iSn	35	18.52		CYK	2.02	7	eP	57	02.97	0.7		S.D. = 0.8	on	73	of	73	obs.	
VTs	4.57	28	eP	34	29.00	-0.3															
RZN	4.58	46	iPc	34	28.00	-1.5	SNH	2.10	2	eP	57	04.21	0.6		SEP 10, 1993	15h	01m	51.27±	1.24s		
RDO	4.76	56	eP	34	31.00	-0.9															
PLE	4.81	352	iPnc	34	33.28	0.6	MID	2.20	309	P	57	05.80	0.9		38.937 S ± 8.1km	174.826 E ± 7.5km					
			iSn	35	27.74		CHX	2.21	25	iP	57	05.92	0.8		DEPTH = 272.9 ± 11.9 km						
PLD	4.86	42	eP	34	33.00	-0.3									NORTH ISLAND, NEW ZEALAND						
PGB	4.93	35	eP	34	34.00	-0.3	YKU	2.25	48	P	57	06.50	0.9								
KDZ	4.97	50	eP	35	32.00	57.2X								CNZ	0.62	115	P	02	27.20	-0.1	
ALN	4.98	60	eP	34	33.83	-1.1								NGZ	0.65	112	P	02	27.30	-0.2	
HVAR	5.46	329	i(Pn)	34	41.90	0.1	HMT	2.35	344	eP	57	07.49	0.4	NRZ	0.80	240	P	02	28.00	0.1	
			iSn	35	41.60		WAX	2.37	2	iP	57	07.57	0.1	BSZ	0.86	175	P	02	28.40	0.1	
PVL	5.99	38	eP	34	47.00	-2.2								WAHZ	1.41	123	P	02	31.80	0.3	
DRA	6.77	24	eP	35	34.00	33.8X	YAH	2.37	15	iP	57	08.07	0.4	THH	1.67	112	eP	02	33.10	-0.2	
BUC1	7.18	35	eP	35	50.00	44.1X								PAHZ	1.74	88	P	02	34.10	0.2	
CMP	7.56	26	ePc	35	13.00	1.8								MNG	1.75	163	P	02	34.00	0.0	
VBY	7.89	333	ePn	35	14.00	-1.8	PNL	2.45	48	eP	57	08.72	0.2			S	03	01.10			
			eSn	36	43.20		PCA	2.46	34	eP	57	09.02	0.3	URZ	1.91	70	P	02	34.50	-0.7	
PTJ	8.01	338	iPc	35	15.50	-2.1	RAGM	2.46	340	eP	57	09.04	0.3			S	03	02.60			
MLR	8.08	29	eP	35	17.00	-1.6	HQN	2.54	56	iP	57	10.03	0.2	KIW	1.93	178	iPc	02	35.30	-0.1	
LJU	8.61	332	ePn	35	25.00	-0.9	BCPM	2.55	41	eP	57	10.24	0.3	DIW	1.99	200	P	02	35.50	-0.4	
			eSn	37	03.00		SGAM	2.67	336	eP	57	12.37	0.6	PGZ	2.02	147	P	02	35.90	-0.2	
TRI	8.64	328	e(Pn)	35	21.70	-4.6X	TGL	2.68	2	iP	57	11.83	-0.1	CAW	2.18	175	P	02	37.40	-0.1	
			e(Sn)	36	57.70									MTW	2.28	167	P	02	38.30	-0.2	
VRI	8.70	31	eP	35	23.50	-3.6X	CVA	2.84	331	eP	57	13.82	-0.3	MRW	2.29	182	P	02	38.70	0.1	
CFR	8.81	39	eP	35	29.00	0.3										S	03	10.20			
VOY	8.85	329	ePnc	35	28.20	-1.1	BALM	2.98	6	eP	57	16.12	0.0	TCW	2.31	190	P	02	39.20	0.5	
			eSn	37	04.80		CTGM	3.01	16	eP	57	16.69	0.1	WEL	2.35	181	P	02	39.10	0.1	
WTTA	10.77	327	iPd	35	56.80	1.0	MTU	3.07	310	eP	57	17.24	0.0	BLW	2.48	169	P	02	40.40	0.1	
			i	37	43.00									MOW	2.50	173	P	02	40.40	-0.2	
			i(S)	37	50.40		LTI	3.18	310	eP	57	18.67	-0.2	NOZ	2.53	84	P	02	41.40	0.6	
WATA	10.85	327	iPd	35	57.10	0.2	FID	3.21	328	eP	57	19.39	0.1	QRZ	2.59	222	P	02	41.30	-0.1	
			i	37	53.20		GLB	3.39	353	eP	57	21.57	-0.4	HBZ	3.04	65					

10d 15h

MQZ	5.04	198	eP	03	07.70	-1.0	1.0s	5.40nm	4.5mb	TIR	8.75	40	ePn	41	55.00	-2.0				
			S	04	04.40			e	17 09.50	35km	AGG	8.95	59	ePb	41	59.92	0.0			
	S.D. = 0.4 on 26 of 26 obs.						GEC2	82.17	330	eP	16	58.70	0.2	FIR	8.98	354	eP	42	05.00	4.8X
							0.8s	1.37nm	4.0mb				i(S)	46	04.00					
	SEP 10, 1993 15h 04m 40.13± 0.43s								e	17 09.30	34km	ESEL	9.06	306	eP	42	01.50	0.1		
	39.079 N ± 6.1km 144.368 E ± 5.7km								e	17 16.10		SDA	9.08	35	ePn	42	06.40	4.7X		
	DEPTH = 36.2km (5 depth phases)						CDF	84.93	333	eP	17	13.00	0.4	OHR	9.10	44	iPn	42	03.20	1.3
	4.8mb (24 obs.) 4.4Msz (2 obs.)							1.0s	8.40nm	4.9mb	KZN	9.20	51	eP	42	03.00	-0.4			
	OFF EAST COAST OF HONSHU, JAPAN (229)						LOR	87.10	334	eP	17	23.70	0.4	FNA	9.23	47	ePb	42	05.40	1.6
							1.2s	16.65nm	5.1mb	LIT	9.56	54	ePb	42	06.88	-1.4				
OFUJ	2.10	271	iP+	05	13.60	0.0	Z	19s	0.73um	5.1Msz	VAM	9.65	83	eP	42	14.00	4.5X			
			S	05	37.80		LBF	87.30	334	eP	17	24.50	0.2	LMR	9.66	333	eP	42	07.30	-2.3
HOOJ	3.40	346	eP	05	29.90	-2.1		0.7s	2.10nm	4.5mb		0.3s	18.90nm		6.0mb X					
			eS	06	06.10		SSF	87.40	334	eP	17	25.20	0.5	IMI	9.72	340	P	42	09.24	-1.3
AOMJ	3.41	297	P	05	32.00	-0.2		0.7s	3.65nm	4.7mb	FRF	9.80	334	eP	42	09.40	-2.2			
YAMJ	3.51	256	iP+	05	33.40	-0.2	LPL	87.59	332	eP	17	26.30	0.4		0.3s	18.75nm		6.0mb X		
			S	06	15.10			1.1s	9.50nm	5.0mb	SBF	9.81	338	eP	42	09.80	-2.0			
KUSJ	4.02	4	eP	05	36.20	-4.7X	LPG	87.60	332	eP	17	26.70	0.6		0.5s	31.90nm		6.0mb X		
			eS	06	18.70			0.8s	3.35nm	4.7mb	LRG	9.82	333	eP	42	10.00	-1.7			
MRRJ	4.18	324	eP	05	41.80	-1.3	SMF	87.64	334	eP	17	26.60	0.7		0.5s	33.10nm		6.0mb X		
			eS	06	26.90			0.8s	4.45nm	4.8mb	Z	19s	1.98um		5.6Msz					
KAKJ	4.39	231	P	05	44.30	-1.9	AVF	87.68	334	eP	17	26.50	0.5	GRG	9.96	49	ePn	42	11.64	-2.2
			S	06	32.30			0.9s	12.60nm	5.2mb	ROB	10.08	341	P	42	14.23	-1.3			
NIJ	4.61	248	iP+	05	49.20	0.0	MAF	88.44	335	eP	17	29.90	0.1	ENR	10.15	339	P	42	15.46	-1.0
ASAJ	5.20	346	eP	05	54.80	-2.7		0.8s	4.45nm	4.8mb	PCP	10.15	344	P	42	16.51	0.1			
CHJJ	5.23	236	iP+	05	56.80	-1.2	CAF	89.75	334	eP	17	36.90	0.9	STV	10.19	339	P	42	16.24	-0.8
			S	06	54.00			0.7s	3.65nm	4.8mb	PAIG	10.28	57	ePn	42	16.80	-1.4			
MAT	5.50	244	iPc	06	01.90	0.2	S.D. = 1.0 on 59 of 62 obs.						KNT	10.39	49	ePn	42	17.24	-2.4X	
	0.5s	95.77nm				5.5mb X	SEP 10, 1993 15h 05m 36.39± 0.81s						SOH	10.49	52	ePn	42	19.28	-1.9	
			eS	07	04.00		39.155 N ± 6.2km 27.520 E ± 8.3km						PZZ	10.50	339	P	42	21.04	-0.2	
MTMJ	5.76	246	P	06	05.80	0.2	DEPTH = 10.0km (geophysicist)						ETER	10.57	318	eP	42	20.50	-1.7	
IIDJ	6.28	237	P	06	12.40	-0.4	TURKEY (366)						OUR	10.67	56	ePn	42	21.56	-2.0	
TSRJ	7.56	245	P	06	31.60	0.9	ML 2.7 (ISK).						BHB	10.76	340	P	42	23.74	-0.9	
WKYJ	8.56	238	P	06	43.00	-1.6	IZM	0.78	195	ePg	05	51.70	0.0	VBV	10.87	11	eP	42	27.70	1.4
YONJ	9.53	249	P	06	57.80	-0.2			eSg	06	04.00			i	42	35.40				
TKSJ	9.73	242	P	06	59.40	-1.4	DST	0.97	62	ePn	05	54.70	-0.2	RRL	10.97	338	P	42	28.46	0.7
MDJ	12.32	301	eP	07	35.20	-0.8	EZN	1.14	306	ePn	05	57.70	0.0	RSP	11.04	340	P	42	29.88	1.2
	1.0s	15.00nm				5.1mb	EDC	1.22	12	ePn	05	59.70	0.6	MMB	11.14	49	iPc	42	28.00	-2.0
CN2	14.95	294	eP	08	16.00	5.5X	BNT	1.24	14	ePn	05	59.20	-0.2	EROQ	11.23	306	eP	42	31.30	0.1
BJI	21.73	282	eP	09	29.50	-0.5	KGT	1.31	353	iPn	06	00.20	-0.3	VOY	11.24	5	e(P)	42	33.50	2.1
Z	20s	0.30um				3.7Msz	S.D. = 0.4 on 6 of 6 obs.						ZAG	11.30	13	eP	42	38.50	6.5X	
TIA	21.73	271	eP	09	29.30	-0.8	SEP 10, 1993 15h 20m 36.52s						LJU	11.31	7	eP	42	34.50	2.3	
YAK	24.66	343	eP	09	55.00	-3.5X	32.360 N 115.363 W							e(S)	44	32.00				
	0.9s	40.00nm				5.0mb	DEPTH = 6.0km (geophysicist)						LSD	11.35	341	P	42	34.18	1.1	
TIY	25.00	277	eP	10	04.20	2.1	CALIF.-BAJA CALIF. BORDER REGION(45)						PTJ	11.37	13	eP	42	37.80	4.6X	
Z	17s	0.72um				4.2MszX	<PAS-P>. ML 3.1 (PAS).						VTS	11.43	44	eP	42	33.00	-1.0	
HHC	25.13	285	eP	10	05.60	2.3	GLA	0.83	33	eP	20	50.82	-2.1	LPG	11.50	340	eP	42	37.30	2.2
BTO	26.33	284	eP	10	15.70	1.3	PLM	1.60	309	ePn	21	03.02	-2.6		0.8s	21.75nm	5.5mb X			
XAN	28.79	271	P	10	36.60	-0.2			eS	21	26.60		LPL	11.52	340	eP	42	36.30	0.9	
LZH	32.07	278	eP	11	06.50	0.6	PEC	2.15	316	ePn	21	10.34	-3.0		0.7s	12.35nm	5.3mb X			
GYA	33.87	260	P	11	21.80	0.1			eS	21	41.85		TMA	11.58	348	ePc	42	38.20	2.1	
	1.0s	11.00nm				4.7mb	SSK	2.69	314	ePn	21	18.62	-2.6	ECHE	11.69	298	eP	42	39.40	1.9
GTA	34.24	285	eP	11	25.20	0.5			eS	21	25.07		RZN	11.82	51	iPc	42	37.00	-2.4X	
	1.0s	6.00nm				4.5mb	GSC	3.17	338	(P)	21	25.93	-2.0	VDL	11.86	350	ePc	42	42.00	2.2
WMQ	42.04	295	eP	12	30.20	0.5	TUC	3.88	90	(P)	21	36.27	-1.8	DIX	11.87	343	ePc	42	43.80	3.8X
KLU	47.13	38	eP	13	09.17	-1.2	ARUT	5.64	16	eP	22	03.22	0.1	OSS	11.97	352	ePc	42	43.90	2.6X
GUN	49.28	275	P	13	29.60	1.7	7 obs. associated						ENIJ	12.07	284	eP	42	41.80	-0.8	
KKN	49.80	276	P	13	33.00	1.3							EZN	12.12	62	eP	42	41.70	-1.5	
	0.8s	27.00nm				5.3mb	SEP 10, 1993 15h 39m 47.61± 0.77s						TAF	12.21	274	iP	42	49.00	4.5X	
DMN	50.03	276	P	13	35.00	1.5	34.834 N ± 6.8km 12.441 E ± 3.0km							i	42	55.00				
WB2	59.46	191	eP	14	39.90	-1.8	DEPTH = 9.9 ± 4.6 km						KBA	12.25	3	i(P)	42	48.90	3.8X	
	0.9s	2.60nm				4.4mb	4.7mb (14 obs.)							1.1s	57.50nm	5.8mb X				
			i	14	51.00	38km	CENTRAL MEDITERRANEAN SEA (400)							i	43	05.70				
HYB	60.58	269	eP	14	49.50	-0.2	MBZ	2.34	322	iPd	40	25.80	-0.9		i	05	29.70			
GBA	63.69	266	P	15	10.40	0.0	SGNT	2.43	242	iPc	40	31.00	3.0X	KDZ	12.25	52	iP	42	45.00	-0.1
	1.0s	4.00nm				4.5mb	TROT	2.44	288	iPc	40	29.80	1.6	LLS	12.30	349	iPd	42	48.50	2.7X
NEW	67.04	46	eP	15	31.20	-0.4	ZGN	2.45	309	iPd	40	27.00	-1.3	ALN	12.33	57	ePn	42	44.60	-1.5
	1.3s	11.32nm				4.8mb	BERT	2.89	259	iPd	40	36.20	1.6	EGRA	12.39	310	eP	42	40.50	-6.4X
KAF	67.55	333	iP	15	33.70	-0.8	SYA	2.99	269	iPd	40	37.50	1.5	SQTA	12.41	356	iPd	42	48.90	1.7
NUR	69.23	333	iP	15	44.30	-0.6	KCHT	3.05	319	iPc	40	35.80	-0.9		i	43	01.80			
	0.4s	6.50nm				5.0mb	KRIT	3.13	300	iPc	40	38.20	0.3	WTTA	12.43	357	i(P)	42	50.70	3.1X
LRM	71.05	46	eP	15	55.90	-0.8	OAR	3.35	266	iPd	40	42.50	1.4		1.0s	27.60nm	5.5mb			
			e	16	07.10	37km	GHAT	3.75	297	iPd	40	45.80	-1.0		i	42	56.50			
HFS	73.16	337	eP	16	07.50	-1.1	VLS	7.36	61	eP	41	36.10	-1.6	EPF	12.47	315	eP	42	48.40	0.4
	0.5s	2.00nm				4.4mb	KEK	7.62	48	eP	41	39.50	-1.9		0.5s	12.75nm	5.4mb X			
NB2	73.18	338	P	16	08.10	-0.6	SRN	7.85	48	ePn	41	45.00	0.5	WATA	12.51					

10d 15h

EGUA	0.3s	4.95nm	5.1mb X
RJF	13.14 283 eP	42 57.00	0.1
	13.38 325 eP	42 57.90	-2.1
	0.9s	15.05nm	5.0mb X
Z	18s	1.40um	
FEL	13.44 347 eP	43 01.90	0.9
LFF	13.50 322 eP	43 00.70	-0.8
	0.4s	9.20nm	5.1mb X
MAF	13.62 330 eP	43 03.00	-0.1
	0.9s	14.40nm	4.9mb X
BSF	13.66 344 eP	43 04.30	0.6
	0.6s	11.00nm	5.0mb X
ELIZ	13.67 312 eP	43 04.00	0.2
LBF	13.71 335 eP	43 05.50	1.1
	0.7s	11.45nm	4.9mb X
TZK	13.74 272 eP	43 03.00	-1.8
DST	13.75 65 eP	43 06.70	1.8
BGF	13.77 331 eP	43 04.90	-0.3
	0.5s	9.40nm	4.9mb X
ZST	13.80 13 eP	43 06.80	1.4
HAU	13.92 343 eP	43 07.90	0.7
	0.5s	11.80nm	5.0mb X
Z	21s	1.10um	6.4MsZ
SSF	13.94 334 eP	43 07.10	-0.3
	0.6s	8.85nm	4.8mb X
LOR	14.00 335 eP	43 06.60	-1.5
	1.2s	22.90nm	4.8mb X
Z	23s	0.90um	6.6MsZ
ECRI	14.00 308 eP	43 10.50	2.2
GEC2	14.03 3 Pn	43 13.00	4.3X
CDF	14.10 346 eP	43 11.90	2.4X
	0.6s	8.55nm	4.7mb X
PAB	14.18 294 eP	43 14.10	3.4X
ELL	14.31 77 eP	43 14.00	1.6
KHC	14.31 3 eP	43 16.50	4.2X
	Z 14s	1.00um	
	N 14s	0.80um	
	E 12s	1.00um	
		e	43 25.00
		e	43 38.50
		e	44 02.00
		e	47 26.00
GUD	14.35 299 eP	43 13.00	0.1
EPRU	14.48 284 eP	43 14.00	-0.6
IFR	14.61 270 iP	43 20.50	4.1X
	i	43 24.50	
EJIF	14.66 281 eP	43 15.00	-1.8
ALT	14.74 68 eP	43 19.00	1.0
VRAC	14.79 11 eP	43 23.20	4.8X
	1.4s	73.60nm	5.0mb X
MLR	14.81 40 eP	43 21.00	2.1
HRT	14.86 61 eP	43 27.20	7.7X
GRF	14.88 357 eP	43 20.00	0.4
Z	19s	1.00um	6.1MsZ
TNF	14.97 266 eP	43 20.00	-0.8
PRU	15.22 5 eP	43 29.50	5.4X
	Z 12s	1.20um	
	N 13s	0.80um	
	E 12s	2.00um	
		e	43 37.50
		e	44 46.00
SPC	15.46 20 eP	43 31.10	3.7X
ABH	15.46 348 eP	43 28.70	1.4
VRI	15.47 40 eP	43 28.00	0.6
	e	06 09.50	
UZH	15.61 25 eP	43 28.20	-0.9
EVAL	15.73 286 eP	43 35.70	4.9X
CFR	15.84 45 eP	43 22.00	-10.1X
	e	04 14.00	
KSP	16.24 9 ePd	43 41.00	3.7X
DOU	16.30 342 P	43 42.40	4.4X
PPCY	16.34 84 eP	43 46.00	7.4X
CLL	16.47 1 e(P)	43 45.00	4.8X
	2.2s	60.00nm	4.3mb
TIO	17.00 262 iP	43 51.50	4.3X
CSS	17.14 84 eP	43 49.50	0.7
OUK	17.42 264 eP	43 33.00	-19.2X
WTS	17.63 348 eP	43 57.50	2.9X
	0.8s	14.40nm	4.2mb
KAS	17.99 62 eP	44 05.00	5.7X
SIM	19.41 52 eP	44 20.00	3.3X
GAZ	20.16 76 eP	44 28.40	3.6X
ANN	21.49 55 eP	44 44.00	5.7X
	0.8s	50.00nm	5.0mb
		eS	48 36.00
MNK	21.83 25 eP	44 47.00	5.3X
EKA	23.17 337 Pc	44 50.80	-4.1X

KIV	1.0s	12.90nm	4.4mb
UPP	24.97 60 eP	45 17.60	4.9X
	25.27 6 iP	45 18.60	3.5X
	iS	49 40.00	
HFS	25.33 1 eP	45 15.80	0.0
	0.5s	5.50nm	4.5mb
Z	15s	0.35um	4.0MsZ
		LR	53 51.00
ERE	25.90 69 iP-	45 26.00	4.6X
NB2	26.23 359 P	45 24.00	-0.3
	0.6s	3.00nm	4.2mb
OBN	26.27 32 iPc	45 27.50	2.9X
	2.0s	80.00nm	5.1mb
Z	13s	0.50um	4.2MsZ
N	13s	0.50um	
E	13s	0.40um	
	i	46 12.00	
NUR	26.88 13 eP	45 31.10	1.0
GRO	27.03 62 eP	45 37.50	5.9X
MOS	27.13 32 eP	45 50.00	17.5X
Z	12s	1.10um	4.6MsZ
	e	46 36.00	
TAB	27.36 73 eP	45 46.00	11.1X
KAF	28.68 14 eP	45 50.20	3.8X
KIC	32.47 213 P	46 25.28	4.9X
	0.7s	7.50nm	4.8mb
LIC	32.72 214 P	46 28.10	5.6X
	0.6s	7.50nm	4.8mb
Z	20s	8.38um	5.4MsZ
SDF	33.61 10 eP	46 31.00	1.2
ARU	37.87 41 eP	47 08.00	1.9
	Z 14s	0.50um	4.5MsZ
	E 14s	0.50um	
MAIO	38.01 74 eP	47 12.00	4.3X
SVE	39.06 41 eP	47 17.80	1.7
	1.1s	25.00nm	4.8mb
	Z 12s	0.50um	4.6MsZ
	N 12s	0.30um	
	E 12s	0.30um	
	e	47 32.80	
	eS	53 16.00	
FRU	48.12 61 eP	48 33.00	3.5X
	e	48 50.00	
NRI	52.85 25 eP	49 12.00	6.9X
	2.0s	24.00nm	4.8mb
	e	49 27.00	
HYB	60.84 88 eP	50 14.70	11.9X
GUN	61.82 74 P	50 00.00	-9.6X
ZAK	64.59 45 eP	50 30.00	2.9X
	1.3s	11.00nm	4.9mb
BAO	76.18 240 eP	51 43.10	5.0X
IMA	78.85 354 (P)	51 55.18	3.1X
	0.8s	2.60nm	4.3mb
ARMA	145.51 94 ePKP	59 32.20	4.3X
	S.D. = 1.4	on 97 of 157 obs.	

& SEP 10, 1993 15h 56m 35.41s			
34.358 N 116.455 W			
DEPTH = 7.9km			
SOUTHERN CALIFORNIA (43)			
<PAS-P>. ML 3.0 (PAS), 3.0 (GS).			
Felt.			
PEC	0.75 232 eP	56 48.95	-1.4
	eS	56 58.40	
GSC	0.98 343 eP	56 53.65	-0.7
	eS	57 06.95	
SSK	1.04 262 ePc	56 54.25	-1.0
	eS	57 07.64	
PLM	1.06 199 ePd	56 54.73	-0.9
	eS	57 08.25	
GLA	1.88 133 ePn	57 05.37	-2.8
	ePg	57 10.19	
ISA	2.11 309 ePn	57 09.06	-2.4
	ePg	57 13.52	
ABL	2.33 283 ePn	57 13.07	-1.8
	ePg	57 17.10	
BCH	3.10 286 ePn	57 24.46	-1.2
MEMM	3.87 329 (P)	57 45.73	9.3
BONR	3.89 338 (Pn)	57 35.93	-1.1
	ePg	57 48.09	
ARUT	4.20 35 (Pn)	57 39.01	-2.4
CMB	4.85 320 (P)	58 01.29	10.8
	12 obs. associated		

SEP 10, 1993 15h 59m 50.11± 0.37s			
44.265 N ± 2.8km 7.530 E ± 3.6km			

DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.2 (LDG), 2.1 (GEN).

ENR	0.09 244 P	59 51.90	-0.9
	S	59 53.41	
STV	0.15 262 P	59 52.99	-0.7
	S	59 55.60	
ROB	0.25 83 P	59 55.38	0.0
	S	59 59.62	
AUTN	0.28 195 Pg	59 55.88	-0.2
	Sg	00 00.37	
SAOF	0.28 176 Pg	59 55.41	-0.6
TOUF	0.32 219 Pg	59 56.41	-0.5
	Sg	00 01.42	
PZZ	0.39 308 P	59 57.99	-0.2
	S	00 03.48	
AURF	0.40 201 Pg	59 58.22	-0.2
	Sg	00 04.91	
SBF	0.41 190 Pg	59 58.40	-0.1
	Sg	00 04.40	
IMI	0.44 144 P	59 58.71	-0.4
	S	00 04.35	
BHB	0.61 342 P	00 01.55	-0.8
	S	00 09.88	
PCP	0.78 69 P	00 05.94	0.6
	S	00 15.47	
RRL	0.84 321 P	00 06.73	0.2
	S	00 17.30	
FRF	0.95 223 Pg	00 09.70	1.5
	Sg	00 20.60	
LRG	1.17 227 Pg	00 13.00	1.0
	Sg	00 28.60	
LMR	1.19 219 Pg	00 12.80	0.5
	Sg	00 29.10	
LPG	1.35 336 Pg	00 15.60	0.4
LPL	1.37 336 Pg	00 15.60	0.1
	Sg	00 34.50	
S.D. = 0.7 on 18 of 18 obs.			

SEP 10, 1993 16h 02m 32.32± 0.25s			
35.039 N ± 3.0km 12.366 E ± 2.2km			
DEPTH = 10.0km (geophysicist)			
5.0mb (46 obs.) 4.9MsZ (28 obs.)			
CENTRAL MEDITERRANEAN SEA (400)			
Mw 5.3 (HRV). ML 4.7 (ROM). Felt			
on Lampedusa, Italy.			
CENTROID, MOMENT TENSOR (HRV)			
Data Used: GDSN			
L.P.B.: 21S, 40C			
Centroid Location:			
Origin Time 16:02:36.5 0.5			
Lat 34.99N 0.05 Lon 12.44E 0.06			
Dep 26.1 5.7 Half-duration 1.1			
Moment Tensor: Scale 10**16 Nm			
Mrr=-0.20 0.30 Mtt=-5.92 0.42			
Mff= 6.12 0.46 Mrt= 1.88 1.31			
Mrf=-0.97 1.20 Mtf=-7.18 0.40			
Principal Axes:			
T Val= 9.75 Plg= 9 Azm= 64			
N -0.30 77 286			
P -9.45 8 156			
Best Double Couple:Mo=9.6*10**16			
NP1:Strike=200 Dip=78 Slip= 1			
NP2: 110 89 168			
LPD	0.51 22 P	02 42.50	-0.1
TROT	2.32 284 iPc	03 12.00	0.7
CVT	2.66 7 P	03 14.00	-1.9
MCT	2.78 21 P	03 20.00	2.1
PZI	2.87 45 P	03 18.29	-0.7
BERT	2.88 255 iPd	03 18.00	-1.1
MEU	2.92 45 P	03 18.00	-1.8
SYA	2.94 265 iPd	03 18.50	-1.5
LVI	2.94 360 P	03 22.00	2.1
GIB	3.23 24 P	03 24.60	0.4
OAR	3.31 262 iPd	03 24.60	-0.6
GIO	3.36 40 P	03 26.00	0.1
MNO	3.44 32 P	03 27.00	-0.3
ATN	3.99 38 P	03 34.52	-0.3
GMB	4.20 41 P	03 37.00	-1.0
SOI	4.24 43 P	03 37.43	-0.9
CGL	4.96 331 P	03 47.00	-1.7
GRI	4.98 40 P	03 48.09	-0.8
MGR	5.68 26 P	03 57.06	-1.8
SGO	5.98 22 P	04 02.55	-0.4
SDI	6.75 9 P	04 14.19	0.2

10d 16h

RMP	6.77	2 P	04 14.65	0.6	LSD	11.14	341 P	05 16.55	1.7	DST	13.72	66 eP	05 46.60	-2.7
DUI	6.81	13 P	04 16.28	1.5	VAI	11.16	347 P	05 16.62	1.8	ECH	13.72	345 P	05 49.01	-0.2
LCI	6.90	38 P	04 15.38	-0.5	PTJ	11.19	13 eP	05 16.60	1.3	LOR	13.78	335 eP	05 47.50	-2.5
BRT	6.97	32 P	04 16.10	-0.8	LPG	11.29	339 eP	05 18.50	1.6		1.0s	36.00nm		5.2mb X
VLS	7.32	62 ePb	04 10.00	-11.8X		0.8s	40.30nm		5.8mb X	Z	21s	2.92um		4.3Msz
MNS	7.34	2 P	04 22.21	0.1	LPL	11.31	339 eP	05 18.70	1.5	ECRI	13.83	308 eP	05 52.50	1.8
AQU	7.35	6 P	04 24.81	2.5X		0.8s	31.05nm		5.7mb	GEC2	13.83	4 ePn	05 52.00	1.3
KEK	7.53	50 ePn	04 23.00	-1.8	TMA	11.37	348 ePc	05 19.20	1.3		1.1s	7.17nm		4.4mb X
SRN	7.76	49 eP	04 23.50	-4.4X	RBL	11.43	4 P	05 19.86	1.3		e		05 55.10	
IGT	7.77	52 eP	04 24.20	-4.0X	MMK	11.50	344 ePd	05 23.00	3.3X		e		05 57.30	
		eS	05 53.60		ECHE	11.55	297 eP	05 20.00	-0.2		e		06 06.60	
VLO	7.83	44 eP	04 33.00	4.1X	FVI	11.55	1 P	05 21.76	1.7	WLS	13.87	346 P	05 51.05	-0.2
PGF	7.94	342 eP	04 30.40	-0.3	VDL	11.64	350 ePd	05 22.30	0.6	CDF	13.89	346 eP	05 49.60	-1.8
	0.8s	142.90nm		6.2mb X	DIX	11.65	343 ePd	05 24.90	3.1X		1.1s	54.95nm		5.3mb X
TPE	8.02	47 eP	04 26.20	-5.4X	RZN	11.74	52 iPc	05 19.00	-4.0X	STR	13.95	347 P	05 52.58	0.4
ARV	8.46	3 P	04 40.24	2.4X	OSS	11.76	352 ePc	05 24.50	1.3	VITF	14.00	342 P	05 52.76	0.0
CRE	8.58	358 P	04 42.08	2.5X	EMS	11.76	341 P	05 39.31	16.0X	BUC1	14.02	44 eP	05 55.00	1.9
TIR	8.63	41 eP	04 36.70	-3.4X	PRK	11.86	65 ePb	05 24.50	0.0	CTT	14.04	60 eP	05 51.30	-2.1
		iS	06 19.00		PLD	11.95	50 eP	05 24.00	-1.6	CMP	14.06	40 ePd	05 56.00	2.3
HVAR	8.72	20 iP	04 40.50	-0.9	ENIJ	11.96	284 eP	05 24.00	-1.8	WET	14.10	1 eP	05 56.50	2.3
VLI	8.74	76 ePn	04 40.80	-0.9	RDO	12.03	56 ePn	05 25.00	-1.7	KHC	14.11	3 eP	05 57.00	2.7X
FIR	8.77	355 eP	04 47.00	5.0X	EZN	12.08	63 eP	05 22.70	-4.7X		1.0s	17.90nm		4.8mb X
PII	8.79	351 P	04 44.65	2.4X	LLS	12.09	349 ePd	05 29.30	1.6	Z	16s	8.50um		6.7Msz
ESEL	8.89	305 eP	04 42.90	-0.8	TAF	12.14	273 iP	05 29.00	0.8	N	18s	2.50um		
AGG	8.90	61 eP	04 41.48	-2.5		i		08 04.00		E	13s	2.00um		
SDA	8.95	36 eP	04 57.00	12.4X	KDZ	12.18	53 eP	05 26.00	-2.8		e		06 01.00	
OHR	8.99	45 iP	04 44.10	-1.1	SQTA	12.20	356 i(P)	05 30.00	0.9		e		06 25.00	
BDI	9.11	352 P	04 48.27	1.4		i		05 32.70			e		06 46.00	
KZN	9.12	52 ePb	04 45.00	-2.0	EGRA	12.22	310 eP	05 21.90	-7.3X		e		08 40.00	
FNA	9.14	48 eP	04 48.56	1.3	WTTA	12.23	358 iPd	05 28.20	-1.3	KHL	14.15	72 eP	05 55.00	0.0
LMR	9.45	333 eP	04 48.60	-2.8		1.1s	58.50nm		5.8mb X	GUD	14.20	298 eP	05 55.00	-0.6
	0.6s	33.10nm		5.9mb X		i		05 32.20		EPRU	14.38	283 eP	05 54.00	-3.9X
BCI	9.47	37 eP	05 09.90	18.2X		i		05 39.90		IFR	14.55	269 iP	06 01.00	0.7
LIT	9.49	55 iP	04 49.36	-2.7	ALN	12.27	58 eP	05 25.76	-4.2X	BJIF	14.56	281 eP	05 59.00	-1.2
		eS	06 32.24		EPF	12.28	314 eP	05 29.00	-1.2	VRAC	14.60	11 iPnd	06 03.80	3.2X
IMI	9.51	340 P	04 51.84	-0.5		0.9s	47.85nm		5.8mb X		1.8s	266.90nm		5.5mb X
FRF	9.59	334 eP	04 50.70	-2.7	WATA	12.30	357 iPd	05 27.40	-3.1X		e		06 10.70	
	0.5s	20.70nm		5.8mb X		i		05 33.70		GRF	14.67	357 ePc	06 02.10	0.5
ATH	9.60	69 ePg	04 56.00	2.6X	MOTA	12.33	356 iPd	05 27.80	-3.1X		2.0s	183.00nm		5.3mb X
SBF	9.60	338 eP	04 50.20	-3.4X		i		05 31.80		Z	19s	3.00um		5.2Msz
	0.8s	97.25nm		6.3mb X	LBL	12.33	328 P	05 28.71	-2.1	MLR	14.69	41 ePc	06 01.50	-0.5
LRG	9.61	333 eP	04 51.30	-2.2	EVIA	12.44	291 eP	05 32.00	-0.4	HRT	14.82	62 eP	06 02.20	-1.4
	0.5s	51.75nm		6.2mb X	CAF	12.63	324 eP	05 31.80	-3.0X	TNF	14.92	265 eP	06 04.50	-0.4
VAM	9.69	84 ePn	04 55.50	0.7		0.8s	19.75nm		5.4mb X	PSN	14.95	50 eP	06 09.00	3.7X
ROB	9.87	341 P	04 56.73	-0.6	BHG	12.68	2 eP	05 36.50	1.1	TSY	15.00	277 eP	06 04.00	-1.9
GRG	9.88	50 iP	04 53.48	-3.9X	ETOR	12.76	301 eP	05 36.00	-0.6	PRU	15.03	5 eP	06 06.70	0.5
		eS	06 45.08		PLDF	12.78	331 P	05 35.83	-0.9		1.4s	44.80nm		4.7mb
SKO	9.92	43 eP	04 57.50	-0.4	ZLA	12.78	348 eP	05 36.70	-0.1	Z	12s	2.70um		6.3Msz
	1.0s	300.00nm		6.7mb X	PYM	12.85	329 P	05 36.76	-0.9	N	12s	2.20um		
Z	17s	3.80um		5.1MszX	LPO	12.89	322 eP	05 36.20	-2.0	E	14s	6.10um		
		i	05 00.10			0.5s	10.15nm		5.3mb X		eS		08 58.00	
		i	06 43.00		CIN	12.94	74 eP	05 36.00	-2.8	EYL	15.10	63 eP	06 04.20	-3.2X
		eS	07 34.00		BBS	12.94	345 P	05 39.86	1.0	BMR	15.12	30 ePd	06 21.00	13.6X
		LR	09 42.00		PVL	12.95	47 eP	05 35.00	-4.0X	SPC	15.29	20 iP	06 12.10	2.2
ENR	9.93	339 P	04 56.83	-1.4	LOMF	12.98	343 P	05 40.16	0.7		i		06 37.20	
PCP	9.93	344 P	04 57.97	-0.2	SOP	13.02	13 eP	05 41.50	1.6	WLF	15.31	345 P	06 12.00	2.1
STV	9.98	339 P	04 57.60	-1.2	EGUA	13.04	283 eP	05 37.00	-3.2X	UZH	15.45	25 eP	06 12.50	0.7
THE	10.07	53 eP	04 56.80	-3.2X	SLE	13.04	348 Pd	05 38.90	-1.3	EPLA	15.46	294 eP	06 10.00	-2.0
PAIG	10.23	58 eP	04 58.28	-3.9X	KMR	13.07	5 eP	05 42.00	1.4	MOX	15.61	358 eP	06 17.80	3.9X
DOI	10.24	339 P	05 03.24	0.9	FUR	13.14	357 eP	05 45.00	3.5X		1.7s	152.00nm		5.0mb
PZZ	10.28	338 P	05 01.91	-1.1		Z	12s	3.50um			e		09 17.00	
KNT	10.30	51 eP	05 01.24	-2.0	RJF	13.18	324 eP	05 41.10	-0.9	EVAL	15.62	285 eP	06 12.00	-2.0
		eS	06 55.76			0.8s	29.40nm		5.5mb X	RAC	15.63	14 eP	06 19.00	4.9X
ETER	10.38	317 eP	05 05.00	0.8		Z	21s	4.85um			i		06 22.00	
SOH	10.42	53 eP	05 00.96	-3.9X	FEL	13.23	347 P	05 42.54	-0.3		eS		09 28.00	
BHB	10.54	340 P	05 06.25	-0.2	EBAN	13.35	288 eP	05 43.00	-1.3	BRG	15.87	4 eP	06 21.40	4.2X
OUR	10.61	57 iP	05 05.82	-1.6	EDC	13.36	62 eP	05 40.00	-4.5X	PTT	15.89	37 eP	06 20.00	2.6X
VBY	10.68	11 eP	05 09.30	0.9	MOF	13.38	345 P	05 44.84	0.0	KSP	16.05	9 ePc	06 21.30	1.7
TRI	10.71	5 eP	05 00.00	-8.7X	BNT	13.41	62 eP	05 41.20	-3.9X		1.6s	155.00nm		4.9mb
		e	05 16.70		MAF	13.41	329 eP	05 45.00	-0.1		e		07 46.20	
SRS	10.72	52 eP	05 07.16	-1.8		1.1s	86.20nm		5.7mb X	DOU	16.08	342 P	06 21.90	1.9
RRL	10.75	338 P	05 09.04	-0.5	BSF	13.44	344 eP	05 44.70	-0.9		1.0s	61.10nm		4.7mb
KKB	10.82	48 iPc	05 07.00	-3.2X		0.7s	18.95nm		5.2mb X	OJC	16.11	17 eP	06 22.80	2.5X
RSP	10.83	340 P	05 11.17	0.7	ELIZ	13.49	311 eP	05 46.00	-0.2		1.0s	81.00nm		4.8mb
NPS	10.85	85 ePn	05 11.00	0.3	VKA	13.54	11 e(P)	05 46.00	-0.8		e		06 24.00	
EBR	11.01	305 eP	05 18.00	5.2X		2.0s	194.00nm		5.7mb X		i		06 29.00	
		eS	07 13.00			i		05 49.90			i		06 35.80	
CTI	11.01	357 P	05 13.23	0.3	AVF	13.56	333 eP	05 47.80	0.7		eS		09 28.00	
VOY	11.04	6 eP	05 14.50	1.1		0.8s	23.50nm		5.2mb X		e		09 34.00	
		e	05 28.90		BGF	13.57	331 eP	05 46.20	-0.9	CLL	16.27	1 eP	06 17.00	-5.3X
		e(S)	07 15.00			0.5s	12.60nm		5.1mb X		1.8s	145.00nm		4.8mb
MMB	11.06	50 iPc	05 10.00	-3.6X	ZST	13.61	14 eP	05 48.30	0.6		i		06 24.80	
EROQ	11.06	305 eP	05 14.00	0.4	TZK	13.68	271 eP	05 49.00	0.4	BNS	16.36	348 eP	06 26.20	2.8X
ZAG	11.11	13 iPc	05 15.80	1.6	KCT	13.69	63 iP	05 46.00	-2.9X	PPCY	16.38	85 eP	06 27.50	3.6X
LJU	11.12	8 eP	05 15.90	1.6	HAU	13.71	343 eP	05 48.20	-0.9	ENN	16.40	345 eP	06 26.50	2.5X
		eS	07 16.00			0.7s	30.65nm		5.3mb X		0.8s	35.70nm		4.5mb
					Z	22s	3.45um			AVE	16.46	270 eP	06 25.00	0.1

10d 16h

			i	09 53.00		KER	28.49	81 eP	08 31.00	1.1	Z	20s	0.40um	4.7MsZ
SNF	16.55	342 P	06 28.80	3.0X	KAF	28.49	14 eP	08 29.00	-0.4	INK	73.86	347 eP	14 09.00	0.5
UCC	16.79	342 P	06 30.00	1.1	TIC	32.48	214 P	09 06.25	1.1		1.0s	3.00nm		4.3mb
		S	09 35.00			0.9s	7.00nm		4.6mb	CD2	74.04	63 eP	14 10.90	0.6
TIO	16.97	262 iP	06 32.50	1.1	KIC	32.60	213 P	09 06.51	0.2	ULM	74.14	321 eP	14 13.00	2.5X
		i	06 40.50			0.9s	19.50nm		5.0mb	HHC	74.16	51 eP	14 16.00	5.0X
LVV	17.06	27 eP	06 34.00	1.6	LIC	32.85	213 P	09 08.75	0.3	MYNC	75.47	303 (P)	14 19.94	1.4
	Z 18s	1.50um				0.7s	18.00nm	-	5.1mb		0.5s	3.67nm		4.7mb
	N 15s	2.00um			SDF	33.42	10 eP	09 12.00	-0.9	Z 20s	0.62um			4.9MsZ
CSS	17.18	84 eP	06 31.50	-2.5	AAE	35.40	131 eP	09 35.00	4.2X	XAN	76.08	58 P	14 21.70	-0.3
KIS	17.23	41 eP	06 32.00	-2.4	ASH	36.80	72 eP	09 43.00	1.0	Z 15s	0.53um			5.0MsZ
	Z 18s	2.50um		6.4MsZ	ARU	37.76	41 eP	09 50.00	0.2	BAO	76.23	240 eP	14 25.20	2.1
BRNL	17.40	2 eP	06 38.00	1.5			e	10 02.00		KMI	76.32	69 eP	14 34.50	10.8X
WTS	17.41	348 eP	06 38.50	1.8			eS	15 43.00			1.6s	50.00nm		
	0.8s	31.80nm		4.5mb			eSS	18 10.00				pP	14 45.00	34kmX
FAM	17.72	84 eP	06 41.50	0.8	MAIO	38.01	74 eP	09 53.00	0.6	TIY	76.45	53 eP	14 27.90	3.9X
KAS	17.95	63 iPd	06 46.20	2.6X	SVE	38.95	41 eP	10 00.00	0.2	CHTO	76.73	76 eP	14 25.10	-0.6
BHL	19.23	87 P	07 00.00	0.6		1.2s	64.00nm		5.2mb	BJI	77.53	50 eP	14 41.00	11.1X
		S	10 40.00			Z 13s	1.20um		4.9MsZ		1.2s	16.00nm		
SIM	19.33	53 eP	06 58.00	-2.5		N 13s	0.60um			Z 20s	0.59um			4.9MsZ
SALJ	19.67	92 Pc	07 05.40	0.9		E 13s	0.70um			E 14s	0.56um			
MASJ	19.77	93 P	07 07.70	2.2			e	10 13.00				eS	24 52.00	
HGH	19.86	331 ePc	07 05.10	-1.1			ePPP	11 54.00		FVM	78.07	308 eP	14 33.04	0.2
SHWJ	20.00	97 Pc	07 11.20	3.1X			e	12 10.00			1.0s	21.40nm		5.2mb
JRDJ	20.02	96 Pd	07 11.80	3.5X			eS	16 00.00		Z 19s	0.86um			5.1MsZ
HAE	20.07	332 eP	07 07.10	-1.3			eSS	18 40.00		GYA	78.57	66 P	14 36.40	0.4
GAZ	20.18	77 iP	07 09.90	0.2	DAG	44.12	350 eP	10 42.00	0.0	IMA	78.64	354 eP	14 36.75	1.1
HTR	20.38	331 eP	07 10.50	-1.2	FRU	48.07	61 eP	11 14.30	0.4		1.0s	7.72nm		4.7mb
HCG	20.72	331 eP	07 09.70	-5.5X		2.5s	140.00nm		5.6mb	FBA	79.18	352 (P)	14 39.71	1.3
CSTJ	20.73	94 Pd	07 19.20	3.6X			e	13 07.60			0.6s	4.30nm		4.6mb
ANN	21.42	55 eP	07 25.00	2.6X	KSH	49.90	65 eP	11 29.00	0.9	TIA	80.38	52 eP	14 50.10	4.6X
	1.0s	100.00nm		5.2mb	LSZ	52.24	161 iP	11 27.00	-19.0X	CN2	80.72	42 eP	14 52.60	5.5X
	Z 15s	1.00um		4.3MsZ	NRI	52.69	26 iPd	11 52.90	4.2X		0.8s	7.10nm		4.7mb
MNK	21.67	25 eP	07 30.00	5.2X		2.0s	64.00nm		5.2mb	Z 18s	0.73um			5.1MsZ
ETA	22.04	329 eP	07 37.60	9.0X			e	12 09.00		TTA	81.92	355 eP	14 54.26	1.1
ECB	22.06	328 eP	07 38.10	9.4X	WMQ	56.99	57 P	12 21.00	0.6		1.2s	10.50nm		4.8mb
DLF	22.61	330 eP	07 49.00	14.8X		1.0s	14.00nm		4.9mb	BALM	82.06	348 eP	14 53.51	-0.4
		e	08 32.00		Z 14s	0.57um			4.8MsZ	MIAR	82.15	307 P	15 10.00	15.3X
SOC	22.74	60 iPd-	07 36.00	0.4	N 15s	1.09um				Z 20s	0.62um			5.0MsZ
	2.0s	200.00nm		5.3mb	CBM	59.39	308 P	12 50.00	13.0X	KLU	82.20	350 eP	14 55.10	0.5
		eS	11 36.00		Z 20s	1.03um			5.0MsZ	RSSD	82.32	319 eP	14 56.67	0.9
EKA	22.95	337 Pc	07 34.60	-3.0X	HYB	60.90	88 eP	12 50.50	2.7X		0.6s	3.32nm		4.6mb
	0.9s	22.40nm		4.7mb	DMN	61.35	75 P	12 50.40	-0.6	Z 20s	0.43um			4.8MsZ
EBL	23.28	338 eP	07 40.50	-0.3		0.8s	32.00nm		5.5mb	PMR	82.54	351 P	15 10.00	13.8X
EDI	23.45	338 eP	07 44.00	1.6	KKN	61.40	75 P	12 52.20	0.9	Z 20s	0.25um			4.6MsZ
EAU	23.47	337 eP	07 42.00	-0.6		0.8s	46.00nm		5.7mb	NJ2	84.03	55 eP	15 09.00	4.6X
KIV	24.92	60 eP	07 58.40	1.5	GUN	61.82	74 P	12 57.60	3.3X	SIT	84.28	343 P	15 20.00	14.8X
UPP	25.07	6 iP	08 00.00	2.0	GBA	61.97	93 P	12 55.40	0.3	Z 19s	0.60um			5.0MsZ
		iS	12 22.00			0.9s	2.00nm		4.3mb	LRM	85.36	325 eP	15 12.40	1.2
HFS	25.12	2 eP	07 57.50	-1.0	KSR	62.12	165 eP	12 56.00	0.1	GLD	85.93	317 P	15 20.00	5.9X
	0.6s	15.80nm		4.9mb	SLR	62.29	164 eP	12 58.10	1.0	Z 19s	0.86um			5.2MsZ
	Z 15s	0.87um		4.4MsZ		1.0s	30.00nm		5.4mb	GOL	86.04	317 P	15 30.00	15.2X
		LR	16 26.00		Z 18s	8.81um			6.0MsZ	Z 19s	0.52um			4.9MsZ
PYA	25.20	60 eP	08 01.00	1.5	LEBH	62.87	307 P	13 10.00	9.4X	SIV	86.07	248 P	15 16.30	1.5
	1.8s	130.00nm		5.3mb	Z 20s	0.63um			4.8MsZ	BW06	86.14	321 eP	15 15.41	0.3
ERE	25.88	69 iP+	08 07.60	1.6	HRV	63.32	305 P	13 10.00	6.4X		1.3s	9.10nm		4.8mb
NB2	26.03	359 P	08 06.20	-0.9	Z 22s	0.44um			4.6MsZ	GMW	88.49	331 (P)	15 27.64	1.5
	0.8s	7.80nm		4.4mb	RSNY	64.45	308 P	13 20.00	9.0X	LON	88.75	330 eP	15 27.33	-0.1
OBN	26.13	32 iPd	08 08.00	0.0	Z 20s	0.57um			4.8MsZ	SRU	89.29	319 eP	15 30.23	-0.1
	2.0s	288.00nm		5.6mb	ZAK	64.49	45 eP	13 12.70	1.6	DUG	89.70	321 P	15 40.00	7.8X
		i	08 16.70			1.0s	15.00nm		5.1mb	Z 19s	0.35um			4.8MsZ
		e	09 00.00			Z 13s	1.08um		5.2MsZ	ALQ	89.95	314 P	15 40.00	6.5X
		eS	12 23.90		E 13s	1.06um				Z 19s	0.50um			5.0MsZ
		iSS	13 55.00		SEK	64.65	165 eP	13 13.50	1.0	MSU	90.61	320 eP	15 37.20	0.7
MTA	26.18	66 iP	08 08.00	-0.6		0.8s	26.00nm		5.5mb	SMY	91.16	11 P	15 50.00	11.6X
NUR	26.70	14 eP	08 14.60	1.5	TIK	64.79	18 eP	13 10.00	-2.8		Z 21s	1.09um		5.3MsZ
	0.6s	10.40nm		4.7mb		2.4s	66.00nm		5.4mb	LPAZ	91.67	251 (P)	15 42.00	0.0
GRO	26.98	62 iPd	08 17.00	1.1	LSCT	64.79	304 P	13 20.00	6.7X	LPB	91.79	251 P	15 49.00	6.7X
	1.0s	270.00nm		5.9mb	Z 20s	0.43um			4.6MsZ	CNCB	91.86	251 P	15 48.00	5.2X
	Z 16s	2.00um		4.8MsZ	BLF	65.12	167 eP	13 02.00	-13.6X	WDC	94.06	327 P	16 00.00	7.9X
	N 14s	2.00um			LSA	65.13	70 P	13 19.80	3.6X		Z 21s	0.34um		4.8MsZ
	E 14s	1.50um			BINY	66.42	306 P	13 30.00	6.2X	CMB	95.12	324 P	16 10.00	13.0X
MOS	26.99	32 iPc	08 17.00	1.1	Z 20s	0.79um			4.9MsZ	Z 18s	0.39um			4.9MsZ
	2.0s	160.00nm		5.4mb	SOB1	66.81	239 (P)	13 24.00	-2.6	ISA	96.04	322 P	16 10.00	8.6X
	Z 12s	2.20um		4.9MsZ	GTA	67.06	57 eP	13 27.50	-0.6	Z 19s	0.24um			4.7MsZ
		e	08 28.00			2.0s	13.00nm		4.8mb	SAO	96.64	324 P	16 10.00	6.1X
		e	09 05.00				PcP	13 54.50		Z 19s	0.23um			4.7MsZ
		ePPP	09 18.00		YSNY	67.98	307 P	13 40.00	6.4X	HON	123.21	349 PKP	21 40.00	8.9X
		eS	12 54.00		Z 20s	0.56um			4.8MsZ	Z 21s	0.25um			4.8MsZ
TAB	27.36	74 eP	08 21.00	1.4	SSPA	68.41	305 P	13 50.00	13.7X	WB2	127.07	90 ePKP	21 39.00	0.2
PUL	27.38	20 (P)	08 21.00	1.7	Z 22s	0.11um			4.1MsZ		1.6s	2.90nm		
	2.0s	10.00nm		4.2mb	MCWV	70.19	305 P	14 00.00	12.7X	ASPA	128.44	94 ePKP	21 47.40	6.1X
	Z 14s	1.70um		4.8MsZ	Z 20s	1.38um			5.2MsZ		0.8s	5.10nm		
	N 14s	0.90um			YAK	70.97	26 eP	13 51.10	-0.4	ARMA	145.59	94 ePKP	22 14.20	1.5
	E 14s	1.30um				1.4s	50.00nm		5.5mb		0.8s	14.00nm		
		e	08 36.00		LZH	71.46	59 eP	13 55.00	-0.2					
		e	09 14.00			1.4s	28.00nm		5.2mb					

S.D. = 1.3 on 225 of 331 obs.

S.D. = 1.3 on 225 of 331 obs.

* SEP 10, 1993 16h 37m 42.25± 0.98s
8.505 S ±12.3km 122.288 E ±11.3km
DEPTH = 33.0km (normal)
3.9mb (2 obs.)
FLORES REGION, INDONESIA (286)

MKS 4.30 319 iPc 38 46.10 -0.9
KNA 9.59 139 eP 39 58.90 -2.2
eS 41 45.00
MTN 9.70 117 eP 40 01.30 -1.4
0.3s 260.00nm 6.9mb X
eS 41 49.00
MBL 12.80 190 eP 40 43.00 -1.7
0.3s 7.00nm 5.2mb X
NANU 15.41 204 eP 41 18.00 -1.0
WB2 16.30 136 eP 41 26.10 -4.3X
0.4s 12.70nm 4.4mb
i 41 34.10
eS 44 14.60

ASPA 18.74 145 iPc 42 00.60 -0.1
eS 45 12.20
QIS 20.58 127 iPd 42 21.30 0.2
BAL 22.60 193 eP 42 42.70 1.4
FORT 22.81 167 eP 42 44.50 1.1
KLB 23.36 190 eP 42 50.40 1.7
CTA 25.88 119 eP 43 14.00 1.0
STK 29.38 145 eP 43 45.10 0.5
2.9s 2.00nm 3.3mb
BRS 34.40 127 iPd 44 30.30 1.5
S.D. = 1.5 on 13 of 10 obs.

SEP 10, 1993 16h 53m 33.74± 0.84s
40.657 N ± 7.0km 23.431 E ±11.6km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 2.4 (THE).

SOH 0.18 340 iPg 53 38.00 0.3
eSg 53 40.68
SRS 0.48 15 iPg 53 43.08 -0.3
eSg 53 50.92
OUR 0.53 127 ePg 53 44.76 0.3
eSg 53 52.04
KNT 0.65 321 iPg 53 46.72 0.0
eSg 53 54.84
PAIG 0.75 165 iPg 53 48.16 -0.3
iSg 53 58.52
S.D. = 0.4 on 5 of 5 obs.

SEP 10, 1993 17h 03m 48.68± 1.02s
37.848 N ± 8.1km 21.013 E ± 7.0km
DEPTH = 5.0km (geophysicist)
3.6mb (1 obs.)
SOUTHERN GREECE (368)
ML 3.4 (ATH). Felt in the
Pirgos-Kiparissia area.

VLS 0.47 315 ePg 03 57.80 -0.3
AGG 1.56 41 eP 04 17.08 -0.1
eS 04 40.24
IGT 1.76 343 eP 04 19.72 -0.3
eS 04 45.20
VLI 1.90 126 ePb 04 22.00 -0.1
KEK 2.09 333 ePg 04 31.00 6.2X
ATH 2.14 86 ePn 04 26.00 0.5
KZN 2.52 13 ePn 04 31.00 -0.1
LIT 2.53 27 eP 04 31.30 0.2
eS 05 03.76

PAIG 2.94 44 eP 04 36.00 -0.9
eS 05 15.19
FNA 2.95 5 eP 04 37.00 0.0
eS 05 12.16
OHR 3.26 357 ePn 04 42.40 0.8
GRG 3.29 19 eP 04 41.32 -0.5
iS 05 22.36

OUR 3.39 42 eP 04 43.55 0.2
eS 05 26.52
SOH 3.48 31 eP 04 45.00 0.4
eS 05 27.04
KNT 3.62 23 eP 04 45.51 -1.0
eS 05 29.12
SKO 4.13 4 ePn 04 55.00 1.2
HFS 22.79 351 eP 08 48.60 -4.4X
0.4s 1.00nm 3.6mb
S.D. = 0.6 on 15 of 17 obs.

SEP 10, 1993 17h 28m 08.61± 0.53s

14.429 N ± 4.8km 92.805 W ± 3.5km
DEPTH = 61.9 ± 4.3 km
5.3mb (84 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
Mw 5.8 (HRV). Ms 5.2 (BRK). MD
5.0 (GCG).

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, 89C

Centroid Location:
Origin Time 17:28: 6.7 0.2
Lat 14.29N 0.02 Lon 93.19W 0.02

Dep 15.0 BDY Half-duration 1.8
Moment Tensor; Scale 10**17 Nm
Mrr= 2.71 0.06 Mtt=-2.68 0.06
Mff=-0.03 0.09 Mrt= 3.73 0.25

Mrf=-1.94 0.18 Mtf= 0.84 0.06
Principal Axes:
T Val= 5.00 Plg=61 Azm= 35
N 0.13 6 294
P -5.13 28 201

Best Double Couple: Mo=5.1*10**17
NP1:Strike=276 Dip=18 Slip= 71
NP2: 116 73 96

TPX 0.71 48 iPc 28 24.41 1.3
iS 28 40.30

PCG 2.13 91 eP 28 43.75 1.1
GCG 2.21 86 iP 28 46.08 2.4
eS 29 18.76

IXG 2.29 96 eP 28 45.16 0.3
eS 29 19.00
SCX 2.30 4 iP 28 48.13 3.3X
iS 29 23.25

YUP 2.92 94 eP 28 54.70 0.9
OXX 4.60 305 iP 29 15.42 -2.0
(S) 29 49.92

LVVM 6.33 327 (P) 29 34.50 -6.9X
IIT 6.97 312 iP 29 50.69 0.0
ACX 7.21 291 (P) 29 45.00 -8.8X

PPM 7.24 310 (P) 29 53.50 -1.1
IIA 7.31 311 (P) 29 55.34 0.2
III 7.50 302 iP 29 54.80 -3.2X

UNM 7.81 309 (P) 30 01.50 -0.8
CRX 8.23 308 (P) 30 08.50 0.3
MRX 9.58 304 iP 30 24.72 -1.7

CGX 11.46 299 iP 30 47.20 -4.8X
BRU 11.48 118 eP 30 51.24 -1.4
eS 32 13.31

DVD 11.77 119 eP 30 53.84 -2.1
eS 32 14.83
ECO 13.78 110 eP 31 23.14 0.5
eS 32 56.27

UPA 14.07 111 ePd 31 26.67 0.3
eS 32 23.33
LTX 17.91 328 eP 32 14.24 -0.9

MIAR 20.04 358 eP 32 37.22 -2.0
1.1s 401.12nm 5.7mb
eS 36 10.61

PSO 20.18 129 eP 32 43.00 1.8
BOG 20.87 116 eP 32 52.00 3.7X
eS 36 50.00

MEO 20.93 347 iPd 32 46.80 -1.5
FNO 21.15 350 iPc 32 51.10 0.6
OCO 21.42 350 iPd 32 54.30 1.0

TUL 21.56 353 iP 32 54.80 0.2
MYNC 21.99 19 eP 32 59.08 0.1
2.6s 582.60nm 5.5mb

Z 19s 6.68um 5.1Msz
S 37 07.03
SDV 22.39 102 ePd 33 03.80 0.5

ACO 22.89 347 iPd 33 08.10 0.3
TOV 22.96 99 ePc 33 11.20 2.5
ELC 22.98 7 eP 33 07.58 -1.1

FVM 23.56 5 eP 33 13.30 -0.9
1.2s 54.65nm 4.9mb
Z 19s 8.03um 5.2Msz

S 37 48.13
ALQ 23.85 331 eP 33 17.68 0.4
0.8s 27.94nm 4.8mb

S 37 42.31
TUC 24.21 320 ePc 33 22.44 1.7
2.2s 1134.27nm 6.0mb

S 38 08.06
CEH 24.66 27 eP 33 24.24 -0.6
1.0s 343.11nm 5.8mb

Z 19s 12.52um 5.4Msz

CAR 25.56 96 iPd 33 32.00 -1.7
GLA 27.29 317 eP 33 48.99 -0.3
CBN 27.34 27 eP 33 50.00 0.3

1.0s 45.00nm 5.0mb
GLD 27.48 339 eP 33 52.39 1.2
1.5s 135.58nm 5.3mb

Z 22s 2.52um 4.7Msz
GOL 27.49 339 ePc 33 51.13 -0.2
1.4s 343.74nm 5.8mb

Z 21s 2.08um 4.7Msz
ePcP 37 08.89
MCWV 27.59 22 P 34 00.00 8.1X

Z 19s 7.81um 5.3Msz
PLM 28.84 315 iPc 34 03.49 0.0
PEC 29.35 316 eP 34 07.86 -0.1

1.3s 94.16nm 5.3mb
MSU 29.47 328 eP 34 10.07 0.9
ePcP 37 13.42

ARUT 29.61 326 ePc 34 11.01 0.7
EMUT 29.82 331 eP 34 12.37 0.1
SSK 29.90 316 (P) 34 12.66 -0.3

GSC 29.96 318 eP 34 13.31 0.0
DAU 30.50 332 ePc 34 18.81 0.5
ePcP 37 16.06

YSNY 30.54 21 P 34 30.00 11.7X
Z 19s 14.31um 5.6Msz
DUG 31.07 329 ePd 34 23.56 0.4

2.5s 403.83nm 5.7mb
Z 21s 6.52um 5.3Msz
ePcP 37 17.53

RSSD 31.11 344 ePc 34 22.91 -0.6
0.8s 30.85nm 5.1mb
Z 20s 2.07um 4.8Msz

BINY 31.26 24 eP 34 23.30 -1.3
1.0s 112.61nm 5.6mb
Z 20s 7.86um 5.4Msz

ISA 31.26 317 ePc 34 24.52 -0.3
2.1s 343.85nm 5.7mb
ePcP 37 18.62

ABL 31.30 315 eP 34 25.51 0.2
e 34 33.44
BW06 31.72 336 ePc 34 28.32 -0.6

2.0s 185.22nm 5.5mb
TNP 31.97 322 eP 34 30.98 -0.2
1.1s 39.05nm 5.1mb

LSCT 32.02 28 eP 34 29.75 -1.5
1.4s 235.69nm 5.8mb
Z 19s 15.91um 5.7Msz

BCH 32.07 315 (P) 34 32.51 0.6
HVU 32.28 331 ePc 34 34.06 0.3
e 34 42.22

BONR 32.55 321 ePc 34 36.70 0.4
e 34 44.72
ePcP 37 22.31

PHAM 32.64 316 eP 34 37.00 0.2
e 34 44.08
MEMM 32.76 320 eP 34 39.66 1.9

MMPM 32.78 320 eP 34 38.92 0.5
e 34 45.64
ePcP 37 06.74

PTI 32.96 333 eP 34 39.69 0.0
HHAI 33.31 334 eP 34 43.23 0.6
e 34 51.65

ePcP 37 22.32
RSNY 33.81 24 eP 34 45.43 -1.4
0.9s 40.64nm 5.3mb

Z 20s 6.91um 5.4Msz
SAO 33.86 316 eP 34 46.93 -0.4
1.5s 70.00nm 5.4mb

SAO 33.86 316 P 35 00.00 12.6X
Z 15s 3.43um 5.2MszX
CMB 33.90 319 eP 34 44.66 -3.0X

1.6s 100.00nm 5.5mb
Z 18s 3.00um 5.1Msz
ARN 34.24 317 eP 34 50.70 0.0

e 34 59.44
MHC 34.31 317 eP 34 51.54 0.2
1.6s 130.00nm 5.6mb

LBNH 34.63 27 P 35 00.00 6.1X
Z 19s 14.60um 5.7Msz
PCC 34.89 317 eP 34 37.62 -18.5X

1.8s 620.00nm
BKS 35.00 317 eP 34 55.09 -2.0
Z 18s 5.00um 5.3Msz

LRM 35.40 336 iPc 35 01.30 0.6
ORV 35.50 320 eP 35 00.67 -0.7
2.0s 250.00nm 5.8mb

	Z	19s	3.40um	5.1Msz	FBA	62.54	337	eP	38	27.58	-0.4	VITF	85.12	42	P	40	39.12	0.0	
			eS	40 42.67		0.9s	30.88nm			5.4mb		HAU	85.41	42	eP	40	40.10	-0.6	
			eLQ	43 18.67		62.91	332	eP	38	29.27	-1.3		1.2s	33.30nm			5.3mb		
			eLR	45 36.67		CP2	62.94	332	eP	38	30.56	-0.4	Z	24s	1.83um			5.4MszX	
ULM	35.81	357	eP	35 04.50	0.7	SVW	64.44	331	eP	38	38.98	-1.6	HFS	85.60	29	ePKP	40	40.70	-0.6
WDC	36.75	321	ePc	35 09.72	-2.1		1.4s	129.77nm		5.7mb			0.5s	3.10nm			4.7mb		
	2.3s	84.22nm		5.3mb				ePP	38	47.17	26kmX	BSF	85.75	42	eP	40	41.80	-0.6	
Z	19s	3.63um		5.2Msz		TTA	65.17	333	ePc	38	43.67	-1.5		1.0s	21.20nm			5.2mb	
			ePcP	37 32.65			1.2s	40.16nm		5.3mb		ECH	85.87	41	P	40	42.23	-0.7	
LBFM	36.83	322	ePc	35 12.62	-0.1			e	38	52.29		CDF	85.89	41	eP	40	42.70	-0.4	
			ePcP	37 34.32		SDN	65.59	325	ePc	38	47.40	-0.5		1.2s	23.80nm			5.2mb	
LGPM	37.13	321	eP	35 14.33	-0.8		0.8s	69.44nm		5.7mb		WLS	85.94	41	P	40	42.22	-1.1	
			ePcP	37 34.46		Z	20s	2.38um		5.4Msz		LANF	86.06	40	P	40	44.20	0.4	
ARE	37.22	145	e(P)	35 37.00	20.7X	DAG	72.40	13	eP	39	29.80	0.2	TIC	86.24	84	P	40	45.61	0.3
YBH	37.55	322	eP	35 15.52	-3.1X		0.7s	11.64nm		4.9mb			1.0s	53.00nm			5.6mb		
	1.0s	10.00nm		4.7mb		ILT	75.20	337	iPd	39	47.00	1.1	LIC	86.33	85	P	40	46.59	0.8
Z	19s	5.00um		5.3Msz			1.4s	108.00nm		5.6mb			1.2s	105.00nm			5.9mb		
			ePP	36 59.52				i	39	54.00		Z	20s	8.75um			6.2Msz		
			eLQ	43 50.52				eS	49	30.00		LPL	86.38	44	eP	40	45.20	-0.5	
			eLR	46 32.52				e	49	56.00			1.4s	49.65nm			5.5mb		
KMPM	37.64	319	eP	35 20.01	0.6	EKA	78.08	36	Pc	40	01.30	-0.9	LPG	86.39	44	eP	40	45.60	-0.3
FHC	37.77	320	eP	35 21.19	0.7		0.9s	22.90nm		5.2mb			1.2s	27.05nm			5.3mb		
	1.1s	223.34nm		6.0mb		EPLA	78.39	51	eP	40	03.50	-0.8	FEL	86.52	41	P	40	46.30	0.0
LMQ	37.94	25	eP	35 20.00	-1.8	EHOR	79.40	54	eP	40	08.81	-1.0	KIC	86.57	84	P	40	47.49	0.5
	1.0s	17.00nm		4.9mb		GUD	79.75	51	eP	40	10.60	-1.2		1.0s	78.50nm			5.8mb	
VIPM	38.18	327	P	35 24.04	0.1	PAB	79.79	52	eP	40	02.00	-10.0X	DIX	86.67	43	ePc	40	48.10	0.9
CBM	38.41	27	P	35 40.00	14.4X			eS	50	25.00		LRG	86.71	46	eP	40	46.40	-0.7	
Z	21s	7.16um		5.5Msz		SMY	80.52	322	P	40	30.00	14.6X		1.1s	45.90nm			5.6mb	
JBO	38.44	329	P	35 26.18	0.2	Z	19s												

10d 17h

E 18s	3.00um					IPM 156.66 323 ePKPd 48 00.40 1.6	CGX 11.50 299 (P)	01 40.30	-0.7
NRI 96.39 360 ePc+	41 44.50	0.4				S.D. = 1.1 on 229 of 265 obs.	DVD 11.72 119 eP	01 42.40	-1.4
2.0s 66.00nm	5.8mb						IS 03 50.61		
e 41 42.00						* SEP 10, 1993 17h 58m 57.02± 0.90s	ECO 13.74 110 iPc	02 10.09	-0.4
e 45 26.00						40.806 N ± 7.4km 19.723 E ± 11.0km	UPA 14.03 111 eP	02 05.28	-9.0X
OBN 98.68 27 iPc	41 43.20	1.0				DEPTH = 5.0km (geophysicist)	LTX 17.95 328 eP	03 03.18	-0.7
1.2s 22.00nm	5.6mb					ALBANIA (391)	MIAR 20.06 358 ePd	03 26.08	-1.6
Z 22s 2.30um	5.6MsZ						0.9s 567.13nm	5.9mb	
N 22s 1.60um						VLO 0.38 207 ePg	eS 07 01.36		
E 22s 1.30um						iSg 59 11.80	PSO 20.14 129 eP	03 31.00	1.9
e 45 44.00						iSg 59 07.20	BOG 20.83 116 iP	03 40.00	3.8X
(PS) 54 40.00						iSg 59 18.00	MEO 20.95 346 iPd	03 35.30	-1.6
MOS 98.69 26 eP	41 44.00	1.7				OHR 0.87 69 iPg	OCO 21.44 349 iPd	03 42.70	0.9
Z 22s 3.20um	5.8MsZ					eSg 59 28.40	TUL 21.58 353 iP	03 43.30	0.2
BJI 119.47 335 ePKP	46 53.00	0.0				SDA 1.26 352 ePn	MYNC 21.99 19 ePd	03 47.53	0.2
HHC 120.54 339 PKP	46 56.20	1.0				SKO 1.74 47 ePn	0.9s 88.87nm	5.2mb	
FRU 121.86 11 ePKP	47 00.00	2.5X				S.D. = 0.8 on 5 of 5 obs.	SDV 22.35 102 iPc	03 52.40	1.2
2.2s 60.00nm						? SEP 10, 1993 18h 34m 06.10± 3.81s	GBTN 22.51 18 eP	03 52.65	0.2
Z 28s 1.80um	5.6MsZ					14.095 N ± 49.5km 93.097 W ± 25.0km	ACO 22.91 347 iPc	03 56.10	-0.2
N 28s 1.80um						DEPTH = 33.0km (normal)	TOV 22.92 99 eP	03 56.30	-0.3
e 47 08.20						4.0mb (2 obs.)	ELC 22.99 7 eP	03 56.85	-0.2
e 48 35.20						NEAR COAST OF CHIAPAS, MEXICO (69)	FVM 23.57 5 eP	04 01.69	-0.9
WMQ 122.03 360 PKP	46 58.60	0.7					1.2s 56.31nm	4.9mb	
TIA 122.24 332 ePKP	46 58.40	0.0				GCG 2.53 79 eP	23.58 3 ePc	04 01.75	-1.0
TIY 122.97 336 ePKP	47 00.20	0.4				IXG 2.56 88 eP	0.9s 269.37nm	5.7mb	
Z 20s 2.99um	5.9MsZ					eS 35 17.29	ALQ 23.88 331 eP	04 05.94	0.0
N 21s 2.66um						YUP 3.20 88 eP	2.7s 1829.68nm	6.1mb	
LSZ 123.12 99 iPKP	47 01.80	1.0				eS 35 37.77	ePcP 07 49.68		
BUL 124.01 105 iPKP	47 03.00	0.5				LTX 18.05 329 eP	TUC 24.24 320 eP	04 11.85	2.5
1.2s 15.63nm						MIAR 20.37 359 (P)	1.0s 266.16nm	5.7mb	
ipPKP 47 06.90						1.0s 6.13nm	CEH 24.65 27 eP	04 13.04	-0.1
SSE 124.18 325 PKP	47 02.30	0.0				MYNC 22.40 20 (P)	0.9s 321.50nm	5.8mb	
KRI 124.66 101 iPKPd	47 19.70	15.9X				0.9s 5.99nm	GLA 27.32 317 eP	04 37.07	-0.9
ipPKP 47 23.40						4.1mb	CBN 27.34 27 Pd	04 37.00	-0.9
GTA 125.16 348 ePKP	47 04.70	0.6				MCMT 34.93 335 eP	1.1s 104.00nm	5.3mb	
Z 20s 1.73um	5.7MsZ					S.D. = 1.2 on 7 of 7 obs.	GLD 27.51 339 eP	04 39.55	-0.2
N 18s 0.70um						SEP 10, 1993 18h 58m 57.02± 0.51s	GOL 27.52 339 eP	04 39.95	0.1
PKS 50 41.50						14.415 N ± 4.6km 92.764 W ± 3.1km	1.3s 383.39nm	5.8mb	
KSH 125.39 11 PKP	47 06.20	1.6				DEPTH = 63.3 ± 3.9 km	PV08 27.86 333 eP	04 43.77	0.7
MTD 126.53 100 iPKPd	46 53.10	-14.3X				5.5mb (89 obs.)	FV10 27.87 332 ePc	04 42.97	-0.2
ipPKP 46 56.40						NEAR COAST OF CHIAPAS, MEXICO (69)	PV09 28.02 332 eP	04 44.97	0.5
LZH 127.35 343 ePKP	47 10.00	1.5				Mw 6.0 (HRV). mb 5.9 (BRK).	PLM 28.88 315 ePd	04 52.12	0.0
Z 19s 1.98um	5.8MsZ					CENTROID, MOMENT TENSOR (HRV)	SRU 29.15 331 eP	04 54.20	-0.4
PP 49 04.00						Data Used: GDSN	PEC 29.39 316 eP	04 56.46	-0.1
XAN 127.55 337 PKP	47 08.80	0.0				L.P.B.: 15S, 20C	1.0s 92.09nm	5.4mb	
Z 20s 1.69um	5.7MsZ					Centroid Location:	MSU 29.50 328 eP	04 57.47	-0.3
PP 49 10.00						Origin Time 18:58:54.3 0.6	ePcP 08 02.08		
STK 127.59 241 ePKP	47 07.80	-1.1				Lat 13.91N 0.08 Lon 92.54W 0.07	ARUT 29.64 326 ePc	04 58.93	0.0
0.8s 6.80nm						Dep 16.0 BDY Half-duration 2.0	EMUT 29.85 331 eP	05 01.44	0.6
CD2 132.19 341 PKPc	47 19.60	1.9X				Moment Tensor; Scale 10**18 Nm	e 05 09.50		
WB2 134.73 256 ePKP	47 21.50	-1.3				Mrr= 0.53 0.07 Mtt=-0.63 0.07	SSK 29.93 316 eP	05 01.37	-0.2
0.7s 9.00nm						Mff= 0.10 0.10 Mrt= 0.67 0.19	GSC 29.99 318 eP	05 01.65	-0.3
WRA 134.74 256 PKP	47 23.20	0.4				Mrf=-1.00 0.15 Mtf=-0.02 0.06	e 05 09.93		
0.7s 2.90nm						Principal Axes:	DAU 30.53 332 eP	05 07.25	0.3
ASPA 135.07 251 ePKP	47 22.80	-0.6				T Val= 1.48 Plg=51 Azm= 66	DUG 31.10 329 ePd	05 12.34	0.6
1.9s 9.50nm						N -0.35 17 313	2.5s 615.17nm	5.9mb	
GYA 135.17 335 iPKPc	47 23.80	0.2				P -1.13 33 211	RSSD 31.13 344 eP	05 11.87	-0.2
LSA 135.96 355 iPKPd	47 27.40	1.9X				Best Double Couple: Mo=1.3*10**18	0.8s 48.57nm	5.3mb	
PGP 136.56 308 ePKP	47 41.00	14.6X				NP1: Strike=254 Dip=20 Slip= 29	PAL 31.17 28 iP+	05 12.55	0.5
KMI 137.87 339 PKPd	47 30.00	1.1				NP2: 136 81 107	0.9s 4907.30nm	7.2mb X	
Z 22s 2.00um	5.8MsZ						ipP 05 16.59	14kmX	
PP 50 17.50						TPX 0.69 45 iPc	esP 05 19.64		
KKN 137.99 3 PKP	47 21.00	-8.1X				TER 2.02 93 eP	iS 10 12.62		
0.8s 51.00nm						eS 59 30.70	ipS 10 21.09		
DMN 138.16 3 PKP	47 21.60	-7.8X				PCG 2.09 90 eP	iSS 12 24.62		
0.8s 44.00nm						GCG 2.17 85 eP	BINY 31.25 24 iPd	05 11.99	-0.9
SHL 139.99 353 ePKP	47 27.50	-5.1X				IXG 2.25 96 eP	1.0s 199.40nm	5.8mb	
ePP 50 29.00						eS 00 05.31	pP 05 20.28	29kmX	
TSM 144.35 299 ePKPc	47 39.30	-1.0				SCX 2.31 3 iPc	ISA 31.30 317 ePc	05 12.98	-0.5
POO 144.70 22 iPKPd	47 39.00	-1.8				iS 00 09.83	1.8s 360.64nm	5.8mb	
CHTO 145.00 340 iPKPc	47 39.60	-1.7				YUP 2.88 94 eP	ABL 31.34 315 eP	05 13.75	-0.2
1.3s 88.64nm						OXX 4.64 305 iP	e 05 21.90		
LOE 145.27 335 ePKP	47 40.00	-1.8				LVVM 6.36 327 (P)	BW06 31.75 336 ePc	05 16.43	-1.1
BDT 146.44 339 ePKP	47 44.00	0.3				(S) 01 40.20	1.0s 70.16nm	5.4mb	
0.7s 107.40nm						IIT 7.01 312 (P)	BCH 32.11 315 eP	05 20.42	-0.2
HYB 147.23 15 ePKP	47 45.80	0.8				(S) 02 10.23	e 05 29.47		
0.9s 108.30nm						ACX 7.26 291 iP	HVU 32.31 331 eP	05 22.19	-0.1
NST 147.47 336 ePKP	47 48.00	2.6X				(S) 02 42.99	e 05 30.79		
MEEK 148.26 242 ePKP	47 48.50	2.0X				PPM 7.28 310 iPd	MRCM 32.53 320 (P)	05 24.67	0.3
KHT 148.86 338 ePKP	47 51.00	3.4X				iS 02 10.43	BONR 32.58 321 eP	05 25.09	0.2
NNT 150.42 335 ePKP	47 55.80	5.8X				IIA 7.35 311 (P)	e 05 33.28		
GBA 150.52 20 PKP	47 51.20	1.1				III 7.54 302 iP	PHAM 32.68 316 eP	05 25.42	0.0
0.9s 5.00nm						MRX 9.62 304 iP	MEMM 32.80 320 eP	05 27.39	1.0
KOD 153.67 22 ePKP	47 57.00	1.9X				(S) 03 24.29	MMPM 32.82 320 eP	05 26.77	-0.2
SNG 154.74 327 ePKP	48 11.90	15.8X				BRU 11.44 118 eP	PTI 33.00 333 eP	05 28.45	0.2
						iS 03 56.95	PRI 33.03 316 iP	05 29.21	0.6

10d 19h

HHA1	33.34	334	eP	05	31.53	0.3	PMR	61.71	333	eP	09	09.76	-1.0	DOU	1.0s	52.40nm	5.5mb		
			ePcP	08	10.63			1.1s	124.73nm				6.0mb	83.72	40 P	11	20.70	0.3	
LLA	33.48	316	iP	05	32.52	0.1	SLKM	61.78	332	ePc	09	10.84	-0.4		e	11	24.90		
PRS	33.61	316	iP	05	34.03	0.5	KDC	61.92	328	eP	09	11.81	-0.3	AVF	83.75	43 eP	11	19.10	-1.5
RSNY	33.80	24	iPc	05	33.93	-1.1		1.0s	27.53nm				5.3mb		0.9s	25.55nm	5.2mb		
	0.9s						FBA	62.57	337	eP	09	15.43	-1.0	SSF	83.79	43 eP	11	19.40	-1.4
SAO	33.90	316	ePc	05	34.74	-1.2		1.0s	56.81nm				5.6mb		0.9s	30.45nm	5.3mb		
	2.7s						CRP	62.94	332	ePc	09	18.21	-0.9	LOR	83.97	43 eP	11	20.60	-1.1
CMB	33.93	319	eP	05	32.66	-3.7X	CP2	62.98	332	eP	09	18.69	-0.7		1.0s	36.20nm	5.4mb		
	1.4s						MBC	63.41	353	iPc	09	22.30	0.5	SMF	84.12	43 eP	11	21.00	-1.5
Z	19s							pP			09	30.40	26kmX		0.8s	17.35nm	5.1mb		
								PcP			10	03.90		LBF	84.12	43 eP	11	21.10	-1.4
								ScP			14	05.00			1.0s	16.80nm	5.0mb		
CMB	33.93	319	ePc	05	36.15	-0.2		S			17	51.00		MTHF	84.13	47 P	11	22.02	-0.6
	2.0s							ScS			19	19.70		NB2	84.14	28 P	11	23.20	0.9
ARN	34.28	317	ePc	05	39.45	0.1		SS			21	50.50			1.2s	70.90nm	5.6mb		
MHC	34.35	317	eP	05	39.64	-0.4		SSS			23	22.20		WIT	84.25	37 eP	11	25.00	2.1
	1.4s							P'P'			39	01.70		ENN	84.37	39 eP	11	24.00	0.4
LBH	34.63	27	eP	05	39.72	-2.4	SVW	64.47	331	eP	09	27.57	-1.4		0.8s	31.50nm	5.4mb		
	1.5s							0.8s					5.6mb		e	11	31.00		
STAN	34.74	317	eP	05	43.90	0.8	TTA	65.20	333	ePc	09	31.80	-1.9	NRA0	84.39	29 iPd	11	25.00	1.5
	1.8s							1.1s					5.4mb	NRE0	84.39	29 iP	11	28.40	4.9X
PCC	34.93	317	eP	05	26.17	-18.6X	IMA	65.29	337	eP	09	36.40	2.1		iPP	14	39.30		
	2.0s						SDN	65.62	325	eP	09	35.48	-0.9		iS	22	08.90		
BKS	35.04	317	eP	05	46.09	0.4		0.8s					5.8mb	WTS	84.56	38 eP	11	26.00	1.5
	1.8s						ADK	75.06	320	eP	10	36.30	2.6		1.0s	42.30nm	5.5mb		
Z	19s							0.9s					5.8mb	WLF	84.81	40 iPc	11	22.46	-3.3X
LRM	35.43	336	ePc	05	49.50	0.2	ILT	75.23	337	iPc	10	34.20	-0.1		1.4s	53.00nm	5.4mb		
ORV	35.54	320	eP	05	48.67	-1.3		1.3s					5.7mb	VITF	85.10	42 P	11	27.07	-0.3
	1.7s							i			10	42.00		HAU	85.40	42 eP	11	28.20	-0.7
Z	18s							i			13	30.20			0.7s	21.50nm	5.4mb		
NTYM	35.60	318	eP	05	51.11	0.7		i			20	43.00		HFS	85.60	29 eP	11	29.50	0.0
ULM	35.83	357	eP	05	53.00	0.8	ECB	76.29	39	eP	10	39.50	-1.1		0.6s	5.20nm	4.8mb		
WDC	36.79	321	ePc	05	58.68	-1.8	DLF	76.35	38	eP	10	39.80	-1.1	Z	20s	176.85um	7.5mszX		
	2.9s							1.0s					5.7mb		LR	55	38.00		
							ECP	76.56	39	eP	10	41.00	-1.1	BSF	85.73	42 eP	11	29.80	-0.8
LBFM	36.86	322	eP	06	00.98	-0.3	ETA	76.60	39	eP	10	43.30	0.9		1.2s	38.10nm	5.4mb		
LGPM	37.16	321	eP	06	02.76	-1.0	KDS	77.95	80	iPd	10	52.00	1.5	ECH	85.86	41 P	11	29.90	-1.2
							EKA	78.06	36	Pc	10	48.40	-2.0	CDF	85.88	41 eP	11	30.60	-0.7
YBH	37.59	322	eP	06	05.52	-1.7		0.8s					5.4mb		1.3s	38.25nm	5.4mb		
Z	19s							0.8s					5.4mb	WLS	85.92	41 P	11	31.30	-0.2
KMPM	37.68	319	eP	06	08.87	0.9	EHOR	79.38	54	eP	10	57.68	-0.3	LANF	86.04	40 P	11	31.74	-0.3
							EPUR	79.54	54	eP	10	58.43	-0.5	TIC	86.20	84 P	11	34.07	0.7
FHC	37.81	320	iPd	06	10.78	1.7	GUD	79.72	51	eP	10	59.97	0.1		1.1s	71.50nm	5.7mb		
LMQ	37.94	25	eP	06	09.00	-1.0	PAB	79.77	52	iPc	10	59.50	-0.6	LIC	86.29	85 P	11	34.61	0.8
	1.0s							eS			21	04.00			1.2s	144.00nm	6.0mb		
VIPM	38.21	327	P	06	12.76	0.2	EBAN	80.45	53	eP	11	03.24	-0.5	LPL	86.36	44 eP	11	33.90	0.0
CBM	38.40	27	eP	06	11.81	-2.1	SMY	80.55	322	eP	11	06.90	3.1X		1.2s	29.75nm	5.3mb		
	1.3s						LPF	80.57	43	eP	11	02.80	-1.3	LPG	86.38	44 eP	11	34.20	0.1
CROR	38.73	328	P	06	17.31	0.6		0.8s					5.2mb		1.4s	63.15nm	5.6mb		
VGB	38.98	328	eP	06	18.98	0.2	ECRI	80.58	48	eP	11	04.26	-0.1	FEL	86.51	41 P	11	34.07	-0.4
LMN	39.19	31	eP	06	19.50	-1.0	GRR	80.62	42	eP	11	03.10	-1.2	KIC	86.53	84 eP	11	35.73	0.7
WAH2	39.26	331	P	06	21.55	0.5		0.8s					5.4mb		1.0s	93.50nm	5.9mb		
NEW	39.30	334	ePc	06	21.22	-0.2	ECOG	80.79	54	eP	11	06.00	0.4	COP	86.56	33 ePc	11	36.00	1.7
	1.2s						FLN	80.80	42	eP	11	04.10	-1.1	RRL	86.57	45 P	11	35.15	0.2
								0.9s					5.2mb	DIX	86.65	43 ePc	11	36.10	0.7
SSOR	39.42	326	P	06	22.70	0.2	EGUA	80.88	54	eP	11	05.17	-0.8	LSD	86.66	44 P	11	35.73	0.3
DPW	39.46	333	P	06	23.86	1.0	LDF	81.06	42	eP	11	05.50	-1.2	LRG	86.70	46 eP	11	35.10	-0.2
RNO	39.52	324	P	06	24.59	1.2		0.9s					5.3mb		1.0s	49.00nm	5.6mb		
ASR	39.83	328	P	06	27.51	1.6	ETOR	81.26	50	eP	11	08.11	0.1	RSP	86.82	44 P	11	36.52	0.5
SAW	39.88	332	P	06	26.97	0.8	EVIA	81.35	52	eP	11	08.52	0.0	LMR	86.83	46 eP	11	35.60	-0.4
WTV	40.13	331	P	06	29.06	0.8	EHUE	81.45	53	eP	11	09.05	0.0		1.0s	47.80nm	5.6mb		
SHW	40.19	328	eP	06	30.56	1.7	MFF	81.45	44	eP	11	07.50	-1.2	SLE	86.85	42 ePd	11	36.30	0.3
LON	40.35	329	eP	06	29.89	-0.2		1.1s					5.2mb	FRF	86.86	46 eP	11	35.70	-0.4
FMW	40.41	329	P	06	31.64	0.9	EGRA	82.25	49	eP	11	15.64	2.7		0.8s	29.95nm	5.5mb		
KMOR	40.48	326	P	06	32.45	1.3	ECHE	82.33	51	eP	11	13.56	0.1	ZLA	86.87	42 ePd	11	36.80	0.7
RMW	40.84	330	eP	06	34.10	0.0	LFF	82.41	46	eP	11	12.60	-1.1	PZZ	86.90	45 P	11	37.60	1.1
BMW	40.89	328	ePc	06	34.93	0.4		0.8s					5.3mb	BHB	86.91	45 P	11	36.23	-0.2
							EPF	82.55	48	eP	11	13.70	-0.9	MMK	87.03	43 ePc	11	38.20	1.0
CCH	41.10	139	P	06	35.50	-1.3		1.2s					5.2mb	STV	87.13	45 P	11	40.56	3.0X
GMW	41.39	329	eP	06	38.16	-0.4	LSF	82.66	44	eP	11	13.50	-1.5	ENR	87.20	45 P	11	38.83	1.0
JCW	41.41	330	P	06	38.86	0.1		0.8s					5.0mb	SBF	87.32	45 eP	11	38.00	-0.4
JAQ	41.53	15	eP	06	38.50	-1.1	LPO	82.78	46	eP	11	14.60	-1.1		1.0s	32.40nm	5.5mb		
STW	42.23	329	P	06	46.65	1.2		1.0s					5.1mb	LLS	87.45	42 ePd	11	40.20	1.0
SIV	43.51	133	P	06	55.60	-0.7	RJF	82.86	45	eP	11	14.80	-1.3	ROB	87.49	45 P	11	39.69	0.5
YKA	50.46	347	eP	07	50.50	0.4		0.9s					5.0mb	UPP	87.52	28 iP	11	40.20	1.3
	0.9s						AFI	83.10	254	eP	11	16.00	-1.8	TMA	87.61	43 ePd	11	40.60	0.7
BAO	53.38	122	eP	08	12.00	-0.8	TCF	83.11	44	eP	11	16.00	-1.4	IMI	87.62	45 P	11	40.05	0.2
								0.9s					5.0mb	MOX	87.85	38 iPc	11	41.70	1.0
PPD	54.44	131	eP	08	18.20	-2.2	EBR	83.15	50	eP	11	16.00	-1.6		1.4s	24.00nm	5.2mb		
SOB1	56.54	111	eP	08	35.20	-0.5	HYF	83.17	43	eP	11	16.70	-0.9	PCP	87.88	45 P	11	40.05	-1.0
RSTA	57.69	132	eP	08	42.80	-0.8	SALF	83.22	48	P	11	17.52	-0.5	VDL	87.88	43 ePd	11	42.40	1.2
BALM	58.54	334	ePc	08	49.47	0.2	CAF	83.33	45	eP	11	17.40	-1.1	GRF	87.94	39 ePc	11	41.70	0.5
INK	59.83	344	eP	08	57.50	-0.4		0.9s					4.9mb		1.6s	83.00nm	5.7mb		
	1.0s																		

10d 19h

OSS 88.26 42 Pc 11 43.70 0.7
 CLL 88.43 37 eP 11 44.00 0.5
 1.0s 13.00nm 5.1mb
 i 12 42.40
 PGF 88.81 46 eP 11 44.90 -0.8
 0.8s 24.30nm 5.5mb
 BRG 89.15 37 iP 11 47.10 0.2
 PET 89.40 325 eP 11 48.00 0.0
 eS 22 44.00
 KHC 89.57 39 eP 11 49.50 0.5
 1.1s 15.90nm 5.2mb
 e 12 02.50
 e 12 39.00
 e 13 04.00
 BHG 89.65 41 iPc 11 51.10 1.7
 GEC2 89.75 39 eP 11 50.10 0.2
 1.0s 10.49nm 5.1mb
 e 11 56.00
 e 11 59.00
 e 12 03.10
 e 13 01.50
 e 13 04.80
 e 13 15.80
 PRU 89.83 38 P 11 50.00 -0.1
 1.1s 17.10nm 5.2mb
 e 12 05.00
 ePP 15 16.00
 eSKS 22 08.00
 i 22 54.60
 PS 24 00.70
 KAF 90.17 24 eP 11 51.60 0.1
 NUR 90.33 26 eP 11 53.30 1.1
 KSP 90.53 37 eP 11 52.50 -0.9
 VOY 90.92 42 eP 11 56.00 0.6
 TRI 90.95 42 eP 11 56.00 0.6
 LJU 91.33 42 eP 11 58.00 0.9
 eSKS 22 30.00
 VRAC 91.33 38 iPd 11 59.60 2.6
 5.3s 525.00nm 6.2mb X
 VBY 92.00 42 e(P) 12 03.00 2.8
 ZST 92.09 39 eP 12 00.80 0.2
 PTJ 92.30 41 iPd 12 04.50 2.8
 ZAG 92.35 42 eP 12 01.50 -0.3
 SPC 93.54 37 eP 12 09.10 1.6
 UZH 95.00 37 eP 12 16.00 2.1
 1.0s 45.00nm 5.9mb
 e 12 27.50
 NRI 96.40 360 ePc 12 20.00 0.1
 2.0s 77.00nm 5.9mb
 e 12 28.00
 e 16 14.00
 OBN 98.67 27 eP 12 30.00 -0.4
 1.6s 48.00nm 5.8mb
 e 16 28.00
 e 23 10.00
 ePS 25 27.00
 MOS 98.69 26 eP 12 30.00 -0.5
 MLR 98.72 39 eP 12 35.00 4.0X
 YSS 101.26 325 ePd12 54.00 11.8X
 e 16 52.00
 ARU 105.50 16 ePd13 02.00 1.2
 NVL 108.32 160 ePKP 17 31.00 12.0X
 BJI 119.50 335 ePKP 17 41.50 0.2
 HHC 120.57 339 PKP 17 44.60 1.1
 FRU 121.87 11 ePKP 17 47.80 2.0X
 e 19 22.00
 WMQ 122.05 360 PKP 17 46.00 -0.2
 PP 19 20.50
 PKS 21 21.30
 GRM 122.19 120 e(PKP) 17 51.50 4.8X
 TIA 122.27 332 PKPd 17 46.80 0.1
 TIY 123.00 336 ePKP 17 48.40 0.3
 LSZ 123.07 99 iPKPc 17 50.00 1.1
 i 17 54.00
 BUL 123.97 105 iPKPc 17 51.10 0.4
 1.0s 16.50nm
 iPP 17 54.50
 SSE 124.22 325 PKPc 17 49.50 -1.1
 MAW 124.52 169 iPKPc 17 49.00 -1.0
 0.7s 3.50nm
 ePP 19 31.50
 NJ2 124.75 327 PKPd 17 51.80 0.2
 GTA 125.18 348 PKPc 17 52.50 0.1
 KSH 125.39 11 PKP 17 54.50 1.7
 sPKP 18 06.00
 CSY 125.88 191 iPKPd 17 52.70 -0.1
 0.7s 4.10nm

MTD 126.49 100 iPKPc 17 40.80 -14.8X
 ipPKP 17 44.40
 LZH 127.38 343 ePKP 17 58.50 1.7
 Z 18s 0.78um 5.4MsZ
 XAN 127.58 337 PKP 17 57.10 0.0
 STK 127.62 241 ePKP 17 56.10 -1.1
 0.8s 6.00nm
 WHN 128.24 330 ePKP 17 59.00 0.6
 CD2 132.22 341 PKP 18 07.20 1.2
 PP 20 29.00
 PKS 21 34.00
 WB5 134.75 256 ePKP 18 11.30 0.2
 WB2 134.76 256 ePKP 18 07.20 -3.9X
 0.8s 10.10nm
 WRA 134.77 256 PKP 18 06.10 -5.0X
 1.3s 1.20nm
 GYA 135.20 335 PKP 18 11.80 -0.1
 LSA 135.98 355 iPKPd 18 15.50 1.7
 KMI 137.89 339 PKPc 18 17.00 -0.2
 PP 21 04.50
 GUN 137.91 2 PKP 18 12.00 -5.3X
 0.8s 70.00nm
 KKN 138.00 3 PKP 18 09.00 -8.3X
 DMN 138.18 3 PKP 18 09.40 -8.3X
 SHL 140.00 353 ePKP 18 12.00 -8.9X
 ePP 21 13.50
 TSM 144.39 299 ePKPc 18 27.50 -1.2
 KKM 144.79 303 ePKPd 18 24.50 -5.0X
 CHTO 145.03 340 iPKPc 18 28.70 -0.9
 1.3s 128.68nm
 BDT 146.47 339 ePKP 18 32.00 0.0
 0.7s 150.40nm
 HYB 147.23 15 ePKPc 18 34.00 0.7
 1.0s 160.00nm
 NNT 150.45 335 iPKPc 18 44.80 6.5X
 GBA 150.52 20 PKP 18 39.20 0.8
 0.8s 5.00nm
 IPM 156.70 323 ePKPd 18 48.30 1.2
 S.D. = 1.0 on 272 of 300 obs.

 SEP 10, 1993 19h 12m 54.62± 0.17s
 14.717 N ± 3.8km 92.645 W ± 2.9km
 DEPTH = 34.1km (geophysicist)
 6.2mb (129 obs.) 7.3MsZ (44 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 Mw 7.2 (GS), 7.2 (HRV). Ms 7.2
 (BRK). Mo=1.0*10**20 Nm (PPT).
 One person killed, 3 injured and
 considerable damage in
 southwestern Guatemala.
 Rockslides blocked some roads in
 Guatemala. Some damage in parts
 of Chiapas, Mexico. Felt
 strongly in southern Mexico and
 as far away as Mexico City. Felt
 in much of Central America. Two
 events about 2 seconds apart.
 Depth from broadband
 displacement seismograms, based
 on second event.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=118 Dip=68 Slip= 90
 NP2: 298 22 90
 Principal Axes:
 T Plg=67 Azm= 28
 P 23 208
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 RADIATED ENERGY
 No. of sta: 22 Focal mech. F
 Energy 2.2±0.4*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 29 No. of sta: 25
 Moment Tensor; Scale 10**19 Nm
 Mrr= 6.91 Mtt=-2.90
 Mff=-4.00 Mrt= 3.14
 Mrf=-0.36 Mtf= 4.20
 Principal axes:
 T Val= 7.90 Plg=72 Azm=346
 N 0.17 16 134
 P -8.07 9 227
 Best Double Couple:Mo=8.0*10**19
 NP1:Strike=335 Dip=38 Slip= 116
 NP2: 123 56 71

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 58S, **C M.W.: 59S, **C
 Centroid Location:
 Origin Time 19:13: 3.2 0.1
 Lat 14.41N FIX;Lon 92.99W FIX
 Dep 29.1 0.3 Half-duration 10.4
 Moment Tensor; Scale 10**19 Nm
 Mrr= 6.39 0.03 Mtt=-4.86 0.02
 Mff=-1.53 0.03 Mrt= 4.48 0.10
 Mrf=-3.52 0.10 Mtf= 2.01 0.02
 Principal Axes:
 T Val= 8.69 Plg=68 Azm= 45
 N -0.71 5 301
 P -7.98 21 209
 Best Double Couple:Mo=8.3*10**19
 NP1:Strike=289 Dip=24 Slip= 76
 NP2: 124 67 96
 TPX 0.42 63 iPc 13 10.26 6.3X
 is 13 22.20
 TER 1.94 102 eP 13 31.43 5.5X
 eS 13 59.65
 PCG 2.00 99 eP 13 30.10 3.2X
 SCX 2.01 0 iP 13 34.13 7.3X
 GCG 2.05 93 ePd 13 32.08 4.5X
 eS 14 07.90
 IXG 2.19 104 eP 13 32.00 2.4
 YUP 2.80 100 ePd 13 41.10 2.8
 MRL 2.88 83 eP 13 46.03 6.7X
 eS 14 38.80
 OXX 4.57 301 iP 14 01.81 -1.7X
 (S) 14 31.00
 LVVM 6.18 324 (P) 14 23.03 -2.9
 IIT 6.91 309 iP 14 38.02 1.6
 PPM 7.18 308 iP 14 41.31 0.9
 IIA 7.25 308 iP 14 40.88 -0.1
 ACX 7.27 288 iPc 14 38.01 -3.2X
 III 7.49 300 iP 14 42.75 -1.7
 UNM 7.76 307 (P) 14 49.30 0.9
 CRX 8.18 306 (P) 14 56.30 1.9
 (S) 16 23.00
 MRX 9.55 302 iP 15 12.44 -0.5
 CGX 11.46 297 (P) 15 38.40 -0.9
 BRU 11.49 120 eP 15 44.08 4.2X
 eS 17 54.66
 AGX 11.61 309 iP 15 48.38 7.4X
 DVD 11.77 121 eP 15 45.57 2.3
 eS 18 04.15
 ECO 13.74 111 eP 16 11.48 2.0
 UPA 14.04 112 iP 16 11.55 -1.8
 eS 18 47.51
 MZX 15.52 305 (P) 16 31.80 -0.8
 LTX 17.76 327 ePd 17 02.21 1.2
 ANCC 19.13 124 ePc 17 16.04 -1.8
 CLMC 19.16 123 eP 17 17.15 -1.2
 HOBC 19.25 121 eP 17 17.83 -1.5
 HOQC 19.34 124 ePc 17 18.24 -2.4
 AZUC 19.61 122 ePc 17 23.14 -0.7
 MIAR 19.76 358 eP 17 24.64 -0.1
 0.9s 3622.69nm 6.7mb
 DIAC 19.80 123 ePc 17 24.42 -1.0
 SILC 20.04 125 ePc 17 27.07 -1.2
 PSO 20.24 130 eP 17 30.50 0.2
 MEO 20.69 346 e(P) 17 34.50 0.1
 FUQ 20.74 114 iPd 17 36.00 0.6
 BOG 20.86 117 iPc 17 39.50 2.8
 FNO 20.90 349 iPc 17 39.10 2.6
 OCO 21.17 349 iPd 17 42.50 3.2X
 TUL 21.29 353 iP 17 42.60 2.1
 MYNC 21.67 19 eP 17 46.89 2.5
 1.3s 3177.49nm 6.6mb
 GBTN 22.19 18 ePd 17 52.19 2.7
 SDV 22.30 103 ePc 17 50.20 -0.8
 ACO 22.65 346 iPc 17 55.60 1.5
 ELC 22.68 7 ePd 17 56.11 1.8
 TOV 22.86 100 ePc 17 57.10 0.8
 iPP 17 58.60
 FVM 23.26 4 eP 17 59.63 -0.3
 0.6s 217.46nm 5.8mb
 CCM 23.28 3 eP 18 01.64 1.5
 1.4s 3359.30nm 6.7mb
 CANV 23.50 96 eP 18 07.10 4.6X
 ALQ 23.67 331 eP 18 04.34 0.1
 SLM 23.92 5 P 18 07.02 0.7
 MORO 24.02 96 iPc 18 10.40 2.7
 TUC 24.09 320 eP 18 09.84 1.7

10d 19h

CEH	1.3s	1692.62nm	6.4mb	CMB	33.78	319 eP	19 36.66	1.1	LON	40.16	329 eP	20 28.39	-0.8					
	24.33	28 eP	18 11.18	0.8	1.4s	680.00nm	6.4mb		FMW	40.21	329 P	20 30.91	1.1					
	1.6s	4050.85nm	6.7mb		Z 20s	405.00um	7.1Msz		KMOR	40.29	326 P	20 31.24	0.9					
GUAC	25.17	97 eP	18 21.10	2.3		eS	25 07.66		RMW	40.64	329 eP	20 33.19	0.0					
SJG	25.63	79 eP	18 23.42	0.5		eLQ	28 09.66		BMW	40.70	327 eP	20 33.08	-0.5					
OLLA	25.66	98 iP	18 25.60	2.3		eLR	29 43.66				ePcP	22 37.67						
		iS	21 56.80		TPMT	33.99	335 eP	19 38.80	1.2	GMW	41.19	329 eP	20 36.94	-0.6				
CPD	25.85	79 (P)	18 26.00	1.0	ARN	34.14	317 eP	19 37.80	-0.9	JAQ	41.21	15 eP	20 38.00	0.4				
LPR	25.91	78 P	18 27.00	1.4	MHC	34.21	317 eP	19 41.19	1.8	ONR	41.24	327 P	20 39.21	1.2				
GUAN	26.78	97 eP	18 34.40	0.7		3.7s	*****nm	7.4mb X		CCH	41.25	140 P	20 33.50	-5.2X				
CBN	27.02	27 iPc	18 37.00	1.5		Z 20s	354.00um	7.1Msz		STW	42.03	329 P	20 45.93	1.5				
GLA	27.19	316 eP	18 35.63	-1.5		e	19 41.64		SIV	43.63	133 P	20 54.50	-3.4X					
MCWV	27.27	22 (P)	18 45.04	7.3X		eS	25 14.19		YJA	45.30	143 e(P)	21 10.00	-1.7					
GLD	27.27	339 eP	18 38.76	0.7		eLQ	27 58.19		HJA	46.17	144 e(P)	21 16.20	-1.8					
	2.0s	2305.81nm	6.5mb			eLR	30 26.19		SLA	47.32	146 e(P)	21 25.00	-2.3					
	Z 19s	224.64um	6.8Msz		LBH	34.31	27 P+	19 32.49	-7.5X	CYA	50.16	149 ePc	21 45.00	-4.1X				
PV08	27.65	332 ePc	18 42.17	0.5		Z 20s	815.53um	7.5Msz		YKA	50.19	347 eP	21 48.00	-0.8				
PV10	27.66	331 eP	18 40.63	-1.1		S	25 14.64				0.4s	170.10nm	6.4mb					
PV09	27.81	331 eP	18 43.99	0.9	MEMT	34.45	337 eP	19 42.70	1.3	RTCB	51.33	154 eP	21 54.00	-4.0X				
PLM	28.75	314 ePc	18 50.59	-0.9	BGMT	34.56	336 ePc	19 42.90	0.5	ZON	51.43	154 eP	22 00.10	1.4				
SRU	28.95	330 eP	18 53.23	0.0	MCMT	34.56	334 iPc	19 43.00	0.6	CFA	51.67	153 ePc	21 56.50	-4.0X				
PEC	29.26	315 eP	18 54.82	-1.1	STAN	34.60	316 eP	19 43.71	1.2	RTCV	51.76	154 e(P)	22 00.00	-1.2				
	1.1s	521.93nm	6.2mb			1.7s	3330.00nm	7.0mb		PEL	52.01	157 iP	22 02.00	-1.1				
MSU	29.31	328 eP	18 57.21	0.7		Z 19s	289.00um	7.0Msz		MDZ	52.51	155 P	21 47.10	-19.8X				
ARUT	29.46	325 eP	18 58.10	0.3		eS	25 20.71				S	29 00.30						
DLA	29.62	17 P	19 03.70	4.8X	HMR	34.77	318 eP	19 45.43	1.5			LQ	35 47.10					
EMUT	29.64	331 eP	18 59.84	0.3	BKS	34.90	317 eP	19 47.84	2.7			LR	38 12.30					
BPA	29.69	81 eP	19 02.00	2.1		4.0s	*****nm	7.3mb X		SIT	53.12	332 ePc	22 13.34	2.3				
SSK	29.80	315 eP	19 00.23	-0.7		Z 19s	355.00um	7.1Msz			1.6s	202.76nm	5.8mb					
GSC	29.85	318 eP	19 01.47	0.3		ePP	21 17.09			Z 20s	183.44um	7.1Msz						
LDN	29.89	17 P	19 05.55	4.1X		eS	25 29.09		TCA	53.13	150 eP	22 07.00	-4.5X					
ELF	30.00	17 P	19 03.40	1.1		eLQ	28 11.09		BAO	53.45	123 eP	22 11.00	-3.1X					
YSNY	30.22	21 eP	19 04.49	0.1		eLR	31 32.09				i	22 15.00						
	2.7s	4465.83nm	6.8mb		SXM	35.00	337 ePc	19 46.60	0.5			i	22 21.80					
	Z 18s	693.95um	7.3Msz		LRM	35.21	336 ePc	19 47.70	-0.3			i	23 32.00					
MGG	30.23	84 eP	19 08.00	3.4X	HBMT	35.25	336 ePc	19 48.20	-0.1	PPD	54.55	131 eP	22 17.70	-4.3X				
DAU	30.32	331 eP	19 05.80	0.2	ORV	35.38	320 eP	19 51.67	2.4			e	22 24.50					
TYNO	30.33	19 (P)	19 10.00	4.7X		3.1s	8150.00nm	7.1mb X			e	22 29.00						
FDF	30.45	86 eP	19 07.20	0.6		Z 20s	420.00um	7.2Msz		SOB1	56.54	112 eP	22 33.40	-3.2X				
DEG	30.46	83 eP	19 07.00	0.3		eS	25 35.67		CACB	57.76	128 iPc	22 44.20	-1.0					
GMTN	30.63	28 iP	19 08.60	0.7		eLQ	28 17.67				eS	30 42.50						
STCO	30.66	20 (P)	19 12.65	4.5X		eLR	30 23.67				e	34 39.50						
PNJ	30.66	28 iP	19 10.04	1.9	BUT	35.41	336 ePc	19 51.80	2.2	RSTA	57.81	132 eP	22 38.90	-6.4X				
ACTO	30.74	18 (P)	19 13.45	4.6X	NTYM	35.46	317 eP	19 49.77	-0.1			e	22 47.50					
NNA	30.81	149 iPd	19 10.30	0.6	ULM	35.53	356 eP	19 52.00	1.7	BALM	58.32	334 eP	22 47.42	-1.2				
	1.5s	291.67nm	5.9mb		HRY	35.71	337 eP	19 51.90	-0.1	INK	59.58	344 eP	22 56.00	-1.0				
RSSD	30.87	344 eP	19 10.07	-0.2	MIN	35.92	321 eP	19 54.71	0.8		0.6s	62.00nm	5.9mb					
	0.8s	222.68nm	6.0mb			1.4s	590.00nm	6.3mb		RES	59.98	359 eP	22 58.50	-1.2				
DUG	30.91	329 ePd	19 11.30	0.8		Z 19s	976.00um	7.6Msz			0.6s	67.00nm	5.9mb					
	2.3s	2359.87nm	6.6mb			eS	25 40.71		KLU	60.06	334 ePc	22 59.70	-0.9					
	Z 19s	610.53um	7.3Msz		WDC	36.63	320 P+	19 58.34	-1.4	MHA	60.29	285 (P)	22 59.93	-2.7				
BINY	30.93	24 eP	19 10.15	-0.5		Z 18s	362.93um	7.2Msz		TOA	60.44	334 eP	23 05.20	2.1				
	1.5s	1017.87nm	6.4mb			S	25 49.73		HKL	60.57	286 eP	23 03.91	-1.1					
ISA	31.16	317 eP	19 12.11	-0.6	LBFM	36.70	322 eP	19 59.11	-1.4	PMR	61.50	333 ePc	23 08.36	-1.8				
	2.1s	1576.45nm	6.5mb		LGPM	37.00	321 eP	20 01.94	-1.1		0.9s	313.41nm	6.4mb					
	Z 21s	737.64um	7.3Msz		ARE	37.36	145 eP	20 08.00	1.6		Z 21s	189.39um	7.2Msz					
ABL	31.20	315 eP	19 13.33	0.0	YBH	37.42	322 eP	20 06.52	0.1	SLKM	61.57	332 eP	23 08.33	-2.4				
BW06	31.52	336 eP	19 15.43	-0.6		1.1s	160.00nm	5.8mb		KDC	61.72	328 ePd	23 10.31	-1.4				
	0.9s	441.73nm	6.3mb			Z 19s	679.00um	7.5Msz			0.8s	107.09nm	6.0mb					
WLVO	31.55	20 P	19 20.20	4.3X		eS	25 56.52		RUV	61.73	244 iPd	23 14.40	2.0					
LSCT	31.70	28 eP	19 17.36	0.1		eLQ	28 48.52			1.6s	1253.70nm	6.8mb						
	1.5s	1847.30nm	6.7mb			eLR	31 50.52		TPT	61.85	244 iPd	23 15.30	2.1					
TNP	31.84	322 ePc	19 18.41	-0.5	FOX	37.50	319 iP	20 08.54	1.5		2.1s	1154.90nm	6.6mb					
BCH	31.98	315 eP	19 20.30	0.3	KMPM	37.52	319 eP	20 07.03	-0.3	DHH	61.95	286 eP	23 13.51	-0.4				
HVU	32.11	331 eP	19 20.71	-0.4		ePcP	22 30.80		VAH	61.97	244 iPd	23 15.90	1.9					
MRCM	32.38	320 eP	19 23.31	-0.3	LMQ	37.62	25 eP	20 08.00	0.1		1.7s	1138.10nm	6.7mb					
BONR	32.43	320 eP	19 23.02	-1.1		0.6s	94.00nm	5.8mb	PMO	62.10	244 iPd	23 17.00	2.2					
PKEM	32.48	316 eP	19 26.82	2.6	FHC	37.65	320 eP	20 08.31	-0.1		2.3s	2262.50nm	6.9mb					
PHAM	32.55	315 eP	19 23.97	-0.9		1.2s	2259.34nm	6.9mb	OPA	62.10	287 (P)	23 12.69	-2.2					
MEMM	32.65	319 eP	19 26.24	0.7	VIPM	38.02	327 P	20 10.40	-1.2	HON	62.13	287 P+	23 17.89	2.8X				
MMPM	32.67	319 eP	19 25.74	-0.5	CBM	38.08	27 eP	20 10.88	-0.9		Z 20s	46.88um	6.6Msz					
FRI	32.74	318 iP	19 26.04	-0.4		2.1s	2676.67nm	6.7mb			S	31 54.06						
PTI	32.78	333 eP	19 26.80	-0.1	JBO	38.27	329 P	20 13.39	-0.1	COL	62.34	337 ePc	23 13.99	-1.8				
	e	19 35.99			CROR	38.53	327 P	20 15.91	0.1		2.5s	4570.61nm	7.2mb					
PRI	32.90	316 iP	19 28.36	0.4	VGB	38.79	328 eP	20 18.04	0.2		ePcP	23 56.17						
HRV	33.12	29 eP	19 29.48	-0.2		ePP	22 00.29		FBA	62.34	337 ePc	23 13.87	-2.0					
	1.8s	717.97nm	6.3mb			eS	26 26.46		CRP	62.73	332 ePc	23 16.53	-2.1					
	Z 18s	728.13um	7.4Msz		LMN	38.87	31 eP	20 18.00	-0.5	RSO	62.73	331 eP	23 18.28	-0.4				
HHAI	33.12	333 eP	19 29.73	-0.2	VBEM	38.90	327 P	20 19.53	0.6	CP2	62.76	332 eP	23 17.09	-1.8				
	ePcP	22 17.98			WAH2	39.06	330 P	20 20.37	0.4	SVW	64.27	331 eP	23 25.84	-2.8				
LLA	33.34	316 iP	19 31.43	-0.3	DPW	39.25	333 eP	20 21.82	0.1		0.6s	251.71nm	6.5mb					
RSNY	33.48	24 ePc	19 31.71	-1.1		ePcP	22 36.05		TVO	64.48	242 iPd	23 32.40	1.8					
	0.8s	425.97nm	6.4mb		RNO	39.35	324 P	20 22.32	-0.2		1.3s	774.00nm	6.6mb					
SAO	33.76	316 ePc	19 34.33	-1.0	ASR	39.64	328 P	20 25.70	0.7	PPN	64.52	242 iPd	23 32.50	1.7				
	2.0s	1365.12nm	6.5mb		SAW	39.67	332 P	20 24.76	-0.4		1.6s	731.30nm	6.5mb					
	Z 18s	294.67um	7.0Msz		WTV	39.92	331 P	20 28.28	1.0	PPT	64.66	242 iPd	23 33.50	1.7				
					SHW	40.00	328 eP	20 29.64	1.7		1.6s	626.90nm	6.5mb					

10d 19h

PAE	64.71	242 iPd	23 33.70	1.7	ECRI	80.29	49 iPd	25 03.42	-0.5	Z	23s	220.00um	7.5MsZ	X
	1.5s	748.00nm		6.6mb	GRR	80.32	43 eP	25 01.90	-1.9	NAO	83.71	29 P	25 21.62	0.4
AFR	64.82	242 iPd	23 34.50	1.7		0.8s	216.00nm		6.2mb	LBL	83.77	45 P	25 20.34	-1.6
	1.7s	585.20nm		6.4mb	SMY	80.39	322 eP+	25 02.53	-1.5	VDCF	83.81	48 P	25 26.43	4.3X
TTA	64.98	333 eP	23 30.56	-2.7		1.6s	469.88nm		6.2mb	NB2	83.82	28 P	25 21.20	-0.6
	0.8s	135.65nm		6.1mb	Z	19s	47.49um		6.9MsZ		1.3s	325.90nm		6.3mb
IMA	65.06	337 eP	23 30.92	-2.9	FLN	80.50	42 eP	25 02.70	-2.0	SMF	83.82	44 eP	25 19.50	-2.6
SDN	65.44	324 eP	23 34.25	-1.9		0.9s	195.25nm		6.1mb		0.8s	105.05nm		6.0mb
	1.2s	550.14nm		6.5mb	Z	22s	289.00um		7.6MsZ	LBF	83.82	43 eP	25 19.60	-2.5
BRW	67.96	342 (P)	23 55.62	3.7X	ECOG	80.52	54 iPd	25 04.96	-0.3		1.0s	90.80nm		5.9mb
ANM	69.40	334 eP	24 00.82	-0.1	EGUA	80.61	54 iP+	25 05.14	-0.5	PLDF	83.84	44 P	25 21.71	-0.6
CHIE	69.92	66 iPd	24 09.00	4.3X	TZK	80.65	57 iP	25 07.00	1.1	MTHF	83.85	47 P	25 22.19	-0.1
AKU	70.33	25 eP	24 05.90	-0.6	LDF	80.76	42 eP	25 04.20	-2.0	WIT	83.94	37 eP	25 25.00	2.5
	1.0s	56.00nm		5.6mb		1.0s	252.00nm		6.2mb	ENN	84.06	39 eP	25 22.00	-1.1
	i	24 09.60			SUE	80.80	29 eP	25 11.64	5.6X		0.9s	258.20nm		6.4mb
MBO	72.90	79 iPc	24 22.50	-0.3	FOO	80.80	29 eP	25 07.29	1.3		e	25 53.00		
CFTV	73.23	64 ePd	24 24.00	-0.6	ELIZ	80.89	48 iP+	25 07.44	0.4	MEM	84.16	39 iPc	25 23.98	0.4
VAL	73.89	40 iP	24 30.10	2.2	ZFT	80.92	59 eP	25 03.50	-3.8X		ic	25 29.11		
	0.9s	6.00nm		4.6mb X	ETOR	80.98	50 iP+	25 07.02	-0.6	PERF	84.20	48 P	25 26.79	2.7
	S	33 55.00			EVIA	81.08	52 iPd	25 07.74	-0.4	ETER	84.23	48 iP+	25 24.21	0.0
JNW	74.31	20 eP	24 35.00	5.0X	MFF	81.16	44 eP	25 06.00	-2.3	WTS	84.25	38 eP	25 24.00	-0.1
ADK	74.91	320 eP	24 30.53	-3.3X		1.0s	129.60nm		5.9mb		0.9s	217.00nm		6.3mb
	0.8s	155.17nm		6.1mb	EHUE	81.17	53 iP+	25 08.19	-0.5		e	25 56.50		
RAR	74.92	243 (P)	24 35.31	0.9	BER	81.24	30 iPc	25 10.00	1.7	MUD	84.26	33 ePc	25 26.30	2.3
	1.5s	316.83nm		6.1mb	EMEL	81.40	56 P	25 14.81	5.1X		1.2s	141.00nm		6.0mb
ILT	75.00	337 iPc	24 33.00	-1.0	KMY	81.48	31 eP	25 09.25	-0.4	WLF	84.51	40 P	25 25.00	-0.4
	1.6s	826.00nm		6.5mb	ENIJ	81.65	54 iP+	25 10.96	-0.1	BNS	84.77	39 iPc	25 28.35	1.7
	i	24 43.60			MOL	81.70	27 eP	25 11.20	0.5		1.1s	166.00nm		6.1mb
	i	27 28.00			MOL	81.70	27 eP	25 11.90	1.2	Z	19s	298.00um		7.7MsZ
	iPPP	29 12.00			TAF	81.94	56 iP	25 19.00	6.3X		iS	35 55.00		
	iS	34 06.00				i	25 20.00			VITF	84.80	42 P	25 26.21	-0.7
	iPS	34 54.00			EGRA	81.97	49 iP+	25 14.85	2.3	ESEL	84.90	50 iP+	25 28.52	0.9
	iSS	39 00.00			ODD1	81.98	30 eP	25 13.69	1.4	BGG	85.09	39 iP	25 28.94	0.7
EZAM	75.84	50 iP+	24 37.78	-1.6	ECHE	82.05	51 iPd	25 13.14	0.0		1.5s	240.00nm		6.2mb
STS	75.86	49 iPd	24 38.24	-1.2	EALH	82.07	53 P	25 16.32	3.1X	HAU	85.10	42 eP	25 26.70	-1.7
ECB	75.98	39 eP	24 38.20	-1.7	LFF	82.12	46 eP	25 11.50	-1.8		0.9s	177.55nm		6.3mb
DLF	76.04	38 eP	24 39.50	-0.7		0.9s	214.25nm		6.2mb	Z	23s	184.00um		7.4MsZ
	1.0s	360.00nm		6.3mb	EPF	82.26	48 eP	25 12.40	-1.8	KOE	85.26	39 iPc	25 29.27	0.1
ECP	76.26	39 eP	24 39.60	-1.8		0.9s	133.65nm		6.0mb		1.5s	1290.00nm		6.9mb
ETA	76.30	39 eP	24 42.00	0.3	LOF	82.36	21 eP	25 15.57	1.5	HFS	85.28	29 ePKP	25 27.90	-1.2
JHA	76.72	60 iP	24 46.50	2.0	LSF	82.36	44 eP	25 12.20	-2.4		0.6s	6.50nm		5.0mb X
ERUA	76.95	49 iPd	24 44.71	-0.9		0.9s	89.10nm		5.8mb	BSF	85.43	42 eP	25 29.10	-1.1
EAB	76.98	35 eP	24 45.10	-0.3	LPO	82.49	46 eP	25 13.40	-1.8		1.1s	184.10nm		6.2mb
YBT	76.98	62 iP	24 50.70	4.7X		0.9s	121.55nm		6.0mb	ECH	85.56	41 P	25 30.19	-0.6
CPZ	76.99	41 eP	24 44.30	-1.3	RJF	82.57	45 eP	25 13.60	-2.1	CDF	85.57	41 eP	25 29.20	-1.7
WIM	77.04	37 eP	24 44.30	-1.5		0.9s	87.80nm		5.8mb		0.9s	95.65nm		6.0mb
YRH	77.23	38 eP	24 45.50	-1.4	Z	21s	270.00um		7.6MsZ	WLS	85.62	41 P	25 30.46	-0.7
CME	77.23	41 eP	24 43.60	-3.4X	EROQ	82.80	50 iPd	25 16.37	-0.6	LANF	85.74	41 P	25 31.27	-0.4
CIA	77.32	60 iP	24 49.50	1.7	TCF	82.81	44 eP	25 14.70	-2.2	STR	85.83	41 P	25 31.91	-0.1
WME	77.35	38 eP	24 46.80	-0.7		1.0s	123.60nm		5.9mb	HOFF	85.85	41 P	25 32.74	0.6
EBH	77.43	35 eP	24 41.00	-7.0X	EBR	82.87	50 eP	25 17.00	-0.3	LIBD	85.86	41 P	25 31.62	-0.6
EAU	77.52	35 eP	24 42.10	-6.3X	HYF	82.87	43 eP	25 15.40	-1.8	EMS	86.04	43 ePd	25 32.70	-0.7
EDI	77.66	35 eP	24 44.00	-5.1X	SALF	82.93	48 P	25 17.02	-0.7	LPL	86.06	44 eP	25 31.80	-1.8
ESK	77.73	36 eP	24 48.50	-1.1	LESF	82.93	47 P	25 20.57	3.0X		0.9s	122.50nm		6.1mb
	1.0s	320.00nm		6.3mb	DOMF	82.96	40 P	25 16.78	-0.7	LPG	86.08	44 eP	25 32.20	-1.6
EKA	77.75	36 Pc	24 48.40	-1.3	NSS	82.99	25 eP	25 17.60	0.2		1.4s	439.15nm		6.5mb
	0.8s	24.10nm		5.3mb	CAF	83.04	46 eP	25 15.80	-2.3	BNI	86.16	45 P	25 34.59	0.6
EBL	77.76	35 eP	24 48.60	-1.1		1.1s	130.40nm		5.9mb		1.2s	115.30nm		6.0mb
KDS	77.79	80 iPc	24 53.00	2.4	MAF	83.07	44 eP	25 16.10	-2.2	FEL	86.21	42 P	25 33.60	-0.5
EDR	77.87	34 eP	24 47.80	-2.5		1.0s	122.00nm		6.0mb	COP	86.25	33 iP+	25 36.00	2.1
ESY	77.97	35 eP	24 50.00	-0.9	UCC	83.10	39 P+	25 20.00	1.8		e	26 17.00		
EVAL	77.98	54 iP+	24 50.15	-1.2		S	35 37.00				iPP	29 02.00		
EPLA	78.09	52 iPd	24 51.10	-0.9		e	36 36.00				iS	35 01.00		
OUK	78.13	61 eP	24 51.00	-1.3	SNF	83.12	40 P	25 21.20	2.8X	RRL	86.27	45 P	25 34.54	-0.1
HTR	78.16	39 eP	24 51.40	-0.6	BGF	83.18	44 eP	25 16.60	-2.2	DIX	86.35	43 iPd	25 34.80	-0.3
KBS	78.43	11 eP	24 55.00	1.9		0.9s	244.40nm		6.3mb	LSD	86.37	44 P	25 35.05	-0.1
HGH	78.51	39 eP	24 52.60	-1.4	DBN	83.25	38 iP+	25 05.00	-14.0X	LRG	86.40	46 eP	25 33.60	-1.4
HAE	78.61	39 eP	24 53.50	-1.0	Z	20s	82.30um		7.1MsZ		0.9s	216.85nm		6.4mb
TIO	78.70	61 iP	24 57.50	1.9		eS	35 00.00			RSP	86.52	44 P	25 35.82	0.1
	i	25 34.00				eSS	40 00.00			LMR	86.54	46 eP	25 34.30	-1.4
TSY	78.97	56 eP	24 57.00	0.2	AFI	83.29	254 eP	25 20.00	0.1		1.0s	315.20nm		6.5mb
EHOR	79.11	54 iP+	24 56.41	-1.1		eS	35 40.00			SLE	86.55	42 iPd	25 34.80	-0.9
BIT	79.11	56 iP	24 59.00	1.4	LSPF	83.40	47 P	25 20.47	0.5	ZLA	86.57	42 iPd	25 35.90	0.1
RSA	79.17	57 eP	24 56.00	-1.9	DOU	83.42	40 P	25 18.90	-1.0	FRF	86.57	46 eP	25 34.30	-1.5
EJIF	79.18	55 iPd	24 59.31	1.4		i	25 24.90				0.9s	314.50nm		6.5mb
CPS	79.21	56 eP	24 59.00	0.9	AVF	83.46	43 eP	25 17.60	-2.6	PZZ	86.61	45 P	25 36.28	0.1
EPRU	79.27	55 iP+	24 58.89	0.4		0.8s	132.70nm		6.1mb	BHB	86.62	45 P	25 35.64	-0.4
GUD	79.45	51 iP+	24 57.84	-1.6	PYM	83.48	45 P	25 19.45	-1.0	CALN	86.69	46 P	25 37.80	1.2
PAB	79.50	52 eP	24 58.12	-1.6	AGO	83.49	44 P	25 19.75	-0.7	DOI	86.71	45 P	25 38.08	1.5
ZER	79.90	57 eP	25 02.50	0.7	SSF	83.49	43 eP	25 18.10	-2.3		1.1s	250.90nm		6.4mb
ELUQ	79.92	54 iPd	25 01.36	-0.7		0.9s	182.15nm		6.2mb	MMK	86.73	43 ePd	25 37.10	0.2
TGT	79.95	57 eP	25 03.50	1.4	KONO	83.50	30 eP	25 18.04	-2.0	STV	86.84	45 P	25 37.61	0.4
IFR	79.99	58 iP	25 07.00	4.3X		1.7s	345.67nm		6.2mb	TOUF	86.86	45 P	25 38.65	1.2
TNF	80.02	59 eP	25 04.50	1.9	TRGS	83.55	48 P	25 23.57	2.6	ORO	86.87	44 P	25 37.45	0.1
EBAN	80.18	53 iP+	25 02.21	-1.1	TRO	83.58	19 eP	25 21.40	1.1		0.9s	242.40nm		6.4mb
LPF	80.27	43 eP	25 01.20	-2.4	LOR	83.67	43 eP	25 19.20	-2.1	ENR	86.91	45 P	25 37.34	-0.2
	0.9s	182.80nm		6.1mb		0.9s	196.55nm		6.2mb	AURF	86.95	45 P	25 39.15	1.4

10d 19h

AUTN	86.99	45 P	25 41.88	3.8X
SBF	87.03	45 eP	25 36.50	-1.6
	1.0s	276.80nm		6.4mb
SDF	87.05	20 iP	25 37.50	-0.2
SAOF	87.08	45 P	25 39.17	0.9
LLS	87.15	42 iPd	25 38.50	-0.3
ROB	87.20	45 P	25 38.02	-0.9
UPP	87.21	28 iP	25 38.90	0.4
		iSKS	36 05.00	
		iS	36 22.00	
TMA	87.31	43 ePd	25 38.90	-0.7
VAI	87.32	43 P	25 39.72	0.4
	0.9s	145.10nm		6.2mb
IMI	87.33	45 P	25 40.13	0.6
CKI	87.44	45 P	25 40.31	0.3
	1.0s	251.20nm		6.4mb
MOX	87.54	38 eP	25 40.80	0.4
	1.8s	250.00nm		6.2mb
Z	18s	110.00um		7.3Msz
		e	26 04.10	
		P	36 03.00	
PCP	87.58	45 P	25 39.67	-1.1
VDL	87.58	43 iPc	25 42.00	1.1
GRF	87.63	39 iPd	25 41.20	0.4
	2.0s	546.00nm		6.5mb
Z	19s	153.00um		7.4Msz
		e	25 47.50	
BSD	87.77	33 eP	25 40.00	-1.3
BRNL	87.92	36 ePc	25 43.50	1.4
		eS	36 11.00	
OSS	87.96	42 iPd	25 43.20	0.5
CLL	88.13	37 iPc	25 44.10	1.0
	2.0s	165.00nm		6.0mb
Z	18s	71.00um		7.1Msz
		eS	36 06.00	
		P'P'	51 28.00	
FUR	88.19	41 eP	25 45.20	1.7
Z	22s	170.00um		7.4Msz
		ePP	29 14.20	
		eSKS	36 17.20	
MOTA	88.36	41 iPc	25 43.40	-1.2
		i	25 48.30	
		i	25 49.90	
SQTA	88.47	41 iPc	25 44.90	-0.1
	1.3s	128.00nm		6.1mb
		i	25 48.90	
		i	25 52.00	
OGA	88.47	42 eP	25 45.60	0.4
PGF	88.52	46 eP	25 43.40	-2.0
	0.8s	170.30nm		6.4mb
WATA	88.66	41 i(P)	25 47.20	1.2
		i	25 50.10	
WTTA	88.72	41 i(P)	25 47.10	0.7
	1.4s	80.90nm		5.9mb
		i	25 50.20	
WET	88.84	39 iPd	25 47.40	0.7
BRG	88.84	37 iPc	25 49.10	2.5
		eSKS	36 14.00	
		eP'P'	51 32.00	
CTI	89.16	42 P	25 48.40	0.1
	0.8s	58.60nm		6.0mb
PET	89.22	325 iPc	25 53.00	4.7X
		eS	36 24.00	
PET	89.22	325 eP	25 48.00	-0.3
	3.0s	2000.00nm		6.9mb
		e	29 16.00	
		e	36 18.00	
		e	36 32.00	
		ePS	37 45.00	
KHC	89.27	39 P	25 49.00	0.3
	1.0s	6.00nm		4.9mb X
		e	25 55.40	
		e	26 13.00	
		e	27 05.50	
TIK	89.44	348 eP+	25 48.00	-1.1
	1.4s	143.00nm		6.1mb
		iS	36 27.00	
GEC2	89.45	39 eP	25 48.50	-1.2
	1.0s	64.40nm		5.9mb
		e	25 55.20	
		e	25 57.30	
		e	26 01.20	
		e	26 05.50	
		e	26 10.30	
		e	26 19.80	
		e	43 24.90	
		pPKKP	43 28.70	

		e	43 37.20	
		e	43 41.70	
PRU	89.53	38 P	25 49.80	0.0
	0.9s	58.90nm		5.9mb
Z	19s	130.00um		7.4Msz
N	18s	50.20um		
E	18s	132.00um		
		e	26 18.90	
		ePP	29 24.00	
		SKS	36 21.20	
		eSP	37 43.00	
		SS	42 44.20	
		eSKKP	46 44.00	
		P'P'	51 32.40	
FIR	89.68	45 iPc	25 53.00	2.4
		iS	36 25.00	
FVI	89.70	42 P	25 51.22	0.6
	0.9s	32.40nm		5.6mb
KAF	89.85	24 eP	25 50.40	-0.7
	0.8s	35.30nm		5.7mb
KMR	90.01	40 iP+	25 53.60	1.4
		iPP	29 32.00	
NUR	90.01	26 eP	25 51.40	-0.5
SFI	90.03	44 P	25 52.27	0.0
	0.8s	150.00nm		6.3mb
CRE	90.20	45 P	25 52.52	-0.7
	0.9s	66.40nm		5.9mb
KSP	90.22	37 eP	25 52.40	-0.7
	0.8s	50.00nm		5.9mb
		i	25 59.30	
		ePP	29 27.00	
VOY	90.62	42 eP	25 55.90	0.8
		e	26 02.20	
		e(S)	36 54.00	
TRI	90.66	42 e(P)c	25 56.00	0.9
		e(PP)	29 28.00	
		e	36 32.00	
		e(S)	36 56.00	
		e(SS)	42 48.00	
		e(SSS)	46 52.00	
		e	48 48.00	
ARV	90.92	45 P	25 59.27	2.8X
	1.1s	132.30nm		6.2mb
VRAC	91.02	38 iPd	25 57.90	1.2
	6.4s	3274.70nm		6.8mb X
		eS	36 35.50	
LJU	91.03	42 eP	25 55.50	-1.4
		e(PcP)	25 58.00	
		i	25 58.50	
		ePP	29 35.70	
		eS	36 31.00	
		e	36 58.20	
MNS	91.14	46 P	25 58.08	0.6
	1.0s	164.70nm		6.4mb
VKA	91.28	39 iPc	26 00.00	2.0
Z	20s	94.80um		7.2Msz
		LR	03 40.00	
RAC	91.64	37 eP	26 02.00	2.4
		i	26 03.00	
		e	29 37.00	
		e	36 15.00	
		iS	36 34.00	
AQU	91.65	45 P	26 01.08	1.2
	0.9s	242.70nm		6.6mb
SOP	91.66	40 iP	26 03.10	3.4X
VBY	91.70	42 eP	26 02.50	2.5
		i	26 07.00	
ZST	91.78	39 eP	26 00.50	0.2
		i	26 06.00	
		e	37 06.50	
PTJ	92.00	41 iPc	26 03.10	1.6
ZAG	92.05	42 iPc	26 03.00	1.5
SDI	92.18	46 P	26 03.10	0.8
	0.9s	70.50nm		6.1mb
RFI	92.45	46 P	26 06.15	2.7
	1.3s	155.00nm		6.3mb
OJC	92.51	36 iPd	26 04.30	0.7
	1.1s	109.00nm		6.2mb
		i	26 07.40	
		i	26 09.90	
		i	26 34.10	
		e	29 43.00	
		iS	36 39.00	
DUI	92.64	46 P	26 08.22	3.7X
	2.4s	432.70nm		6.5mb
PUL	92.79	25 ePc	26 06.00	1.3
		i	29 52.00	

		i	31 46.00	
		i	36 40.00	
		iS	37 13.00	
		iPS	38 28.00	
		iSS	43 20.00	
SPC	93.23	37 iP	26 08.50	1.3
		LR	11 00.00	
HVAR	93.41	44 iP	26 11.60	3.7X
SGO	93.65	47 P	26 11.80	2.8
	0.8s	36.20nm		5.9mb
ORI	94.65	47 P	26 16.62	2.9X
	0.9s	131.10nm		6.4mb
UZH	94.69	37 iPc+	26 16.00	2.3
Z	18s	156.00um		7.5Msz
		i	30 10.00	
		iSS	43 58.00	
MEU	94.70	50 P	26 17.70	3.6X
	0.9s	66.50nm		6.1mb
BRT	94.85	46 P	26 18.06	3.5X
	0.9s	111.60nm		6.3mb
MNK	94.86	31 eP	26 13.00	-1.3
		e	30 00.00	
		ePPP	32 12.00	
		e	36 48.00	
		eSS	43 44.00	
		eSSS	47 26.00	
GMB	94.98	49 P	26 18.60	3.2X
	0.8s	34.70nm		5.8mb
LVV	95.11	36 iP	26 18.00	2.4
		i	30 14.00	
		i	36 43.00	
		iS	37 25.00	
		iPS	38 51.00	
		iSS	44 06.00	
GRI	95.12	48 P	26 18.06	2.1
	0.9s	36.60nm		5.8mb
SOI	95.15	49 P	26 19.56	3.6X
	0.8s	14.10nm		5.5mb
BMR	95.86	38 ePd	26 27.00	7.9X
SDA	95.92	44 eP	26 28.90	9.4X
NRI	96.10	360 iPc	26 20.20	0.5
	2.4s	337.00nm		6.4mb
		i	26 28.00	
		e	30 17.00	
TIR	96.48	44 eP	26 26.00	4.0X
YAK	96.58	341 iPc	26 21.20	-0.9
	0.9s	220.00nm		6.7mb
		i	30 18.00	
		e	37 30.00	
		iPS	39 11.00	
TPE	97.03	45 eP	26 28.50	4.0X
KEK	97.14	46 eP	26 30.00	5.0X
SRN	97.21	46 eP	26 29.40	4.1X
OHR	97.21	44 iP	26 25.70	0.3
SKO	97.25	43 iP	26 25.00	-0.5
Z	18s	122.32um		7.4Msz
		i	26 27.50	
		i	30 22.00	
		iPPP	31 29.50	
		iScS	37 09.00	
		i	38 54.00	
		iSSS	46 02.00	
		LR	14 44.00	
IGT	97.59	46 eP	26 31.12	4.1X
CMP	97.97	39 ePc	26 32.00	3.3X
KZN	98.23	45 eP	26 34.00	4.0X
OBN	98.35	27 ePc	26 29.60	-0.5
	2.5s	1539.69nm		7.1mb
		ePP	30 29.07	
GRG	98.36	44 eP	26 34.32	3.8X
MOS	98.37	26 iP	26 32.00	1.8
	4.0s	1500.00nm		6.9mb X
Z	22s	202.00um		7.6Msz
N	22s	89.60um		
E	22s	150.00um		
		e	30 28.00	
		eS	37 10.00	
MLR	98.41	39 eP	26 29.00	-1.8
KNT	98.60	44 eP	26 35.08	3.5X
VRI	98.68	38 eP	26 36.50	4.6X
LIT	98.82	45 eP	26 37.80	5.2X
SOH	99.06	44 eP	26 39.48	5.7X
SRS	99.08	43 eP	26 37.04	3.3X
KIS	99.32	36 iP+	26 34.00	-0.7
		i	30 33.00	
		i	37 06.00	
		e	38 08.00	

PAIG	99.71	44	eP	26	40.00	3.4X			E	15s	10.40um			N	20s	120.00um		
OUR	99.72	44	eP	26	39.80	3.2X					PP	32 32.00				PP	33 23.00	
ATH	100.66	46	iPdiff26	44.00	3.1X		TAB	114.91	35	i(PKP)	31 35.00	0.8				SKKS	40 07.00	
			ePP	30	44.00		TAB	114.91	35	iPdiff27	49.00	4.5X	WMQ	121.75	360	Pdiff	28 18.00	3.3X
			eSKS	37	20.00		BAK	115.08	31	iPdiff27	52.00	7.0X	BWA	121.94	238	ePKP	31 47.70	0.2
			ePPS	39	48.00					iPPP	32 32.00		BLF	122.04	115	ePKP	31 45.50	-2.5X
YSS	101.08	325	iPdiff26	44.00	1.5		RAB	115.41	272	e(Pdiff27	48.00	0.9		0.8s	106.00nm			
			i	30	54.00					iS	39 40.00		Z	20s	102.00um		7.5Msz	
			eS	38	22.00		WAJH	116.03	51	ePKP	31 40.50	4.1X	TIA	122.06	332	PKP	31 46.60	-1.0
			ePS	39	52.00		CER	116.15	120	iPKPc	31 40.00	3.5X	N	15s	29.60um			
			eSS	45	28.00				1.5s	240.00nm				PP	33 21.00			
SNZO	101.52	230	Pdiff	26	46.00	1.4	GUMO	116.52	294	e(Pdiff27	43.10	-8.8X	TIA	122.06	332	Pdiff	28 16.00	-0.2
			PP	31	56.00		POF	116.60	116	iPKPc	31 42.00	4.6X	AFIF	122.12	49	ePKP	31 48.00	-0.2
			S	37	30.00				0.5s	26.00nm		GRM	122.24	120	iPKPc	31 47.54	-0.6	
ITU	102.62	41	iPdiff26	52.00	2.5X		KUMJ	117.26	319	ePKP	31 43.80	5.2X		0.7s	337.00nm			
SIM	103.50	36	ePdiff26	52.00	-1.4		SUR	117.42	119	iPKPd	31 44.50	5.3X	Z	20s	134.00um		7.6Msz	
			ePPP	33	20.00				0.8s	132.00nm		DRV	117.73	201	ePdiff28	03.00	6.8X	
			ePS	40	08.00					PP	33 06.00			1.0s	28.00nm			
			ePPS	41	06.00					SP	42 45.00		TIY	122.77	336	ePKP	31 46.50	-2.5X
SAP	104.20	322	ePdiff27	05.00	8.5X					SS	49 12.00		N	19s	66.70um			
SPA	104.63	180	iPdiff27	04.10	6.0X		DL2	117.77	330	Pdiff	28 00.00	3.0X			PP	33 30.00		
	1.2s	22.54nm			5.9mb		N	16s	34.00um			MAIO	122.84	27	iPKPd	31 49.00	-0.2	
Z	20s	42.52um			7.0Msz		E	12s	14.40um			LSZ	123.01	99	iPKP	31 49.00	-1.1	
ARU	105.18	16	ePdiff27	01.00	0.5					PP	32 55.00				i	31 54.50		
	3.0s	330.00nm			6.8mb		KAGJ	118.11	318	ePKP	31 42.50	2.3X			i	33 36.10		
			e	31	22.00		BRS	118.25	247	ePdiff28	06.00	6.5X	SEK	123.31	114	ePKP	31 51.00	0.5
			e	33	36.00		BRS	118.25	247	iPKPd	31 43.50	2.8X		0.8s	13.00nm			
ANN	105.32	34	iPdiff27	04.00	2.6X				1.3s	4.00nm			CTAO	123.78	256	ePKP	31 47.63	-3.8X
			e	31	20.00					e	41 03.00		SLR	123.89	111	ePKP	31 45.40	-6.3X
			e	38	14.00					e	42 06.00			1.1s	120.00nm			
			eS	38	52.00					e	42 45.00		TOO	124.00	234	ePKP	31 53.10	1.7
			iPS	40	40.00					e	45 31.00				ePP	33 43.00		
SVE	105.34	15	iPdiff27	02.00	0.7		BEW	118.91	119	iPKPd	31 43.90	2.1			ePKPK	41 41.40		
	4.0s	500.00nm			6.8mb X				0.7s	55.00nm		SSE	124.04	325	Pdiff	28 28.00	2.8X	
			e	31	20.00		BJI	119.28	335	Pdiff	28 06.00	2.3X	SSE	124.04	325	PKPc	31 52.00	0.4
KAS	105.43	39	ePKP	31	07.00	-8.9X	BJI	119.28	335	PKP	31 42.00	-0.2	Z	20s	77.10um		7.4Msz	
SOC	107.48	34	iPdiff27	14.00	2.9X		N	18s	57.20um			E	16s	33.20um				
	Z	22s	43.00um		7.0Msz				eSS	49 16.00			16s	16.90um				
	N	26s	10.00um				ARMA	119.34	243	ePKP	31 47.80	5.0X			PP	33 36.00		
	E	26s	11.00um				RIV	119.70	239	ePdiff28	16.00	10.3X	SHI	124.56	37	ePKP	31 51.00	-1.9
			i	31	40.00		RIV	119.70	239	ePKP	31 36.00	-7.2X	NJ2	124.56	327	Pdiff	28 30.00	2.5X
NVL	108.56	160	ePdiff27	18.00	2.7X				iPP	33 16.00		NJ2	124.56	327	PKPc	31 53.00	0.5	
			e	30	42.00				i	33 58.00		N	22s	44.70um				
			e	31	46.00				iSKS	38 41.00		E	19s	48.80um				
			e	34	25.00				eSKKS	40 08.00		MAW	124.79	169	ePKP	31 49.00	-2.9X	
			e	35	22.00				ePS	42 56.00			0.7s	38.89nm				
			e	37	22.00				e	43 59.00		Z	18s	60.00um		7.3Msz		
			e	38	28.00				iSS	49 52.00		GTA	124.91	348	PKP	31 51.50	-1.7	
			e	40	44.00				eSSS	53 18.00		Z	20s	51.80um		7.2Msz		
			e	41	25.00				eLQ	01 19.00		N	18s	54.10um				
			e	45	42.00				eLR	08 09.00				PP	33 41.00			
			e	46	50.00		HHC	120.33	339	PKP	31 43.00	-1.3			SKKS	40 28.00		
			e	48	00.00		Z	27s	150.00um		7.5MszX				SS	50 30.00		
			e	50	25.00		N	17s	64.10um			GTA	124.91	348	Pdiff	28 32.00	3.0X	
			e	51	18.00		E	20s	31.30um			KSH	125.08	11	PKP	31 49.00	-4.5X	
			e	52	40.00				PP	33 10.00		Z	25s	93.70um		7.4MszX		
			e	54	56.00		UQSK	120.51	48	ePKP	31 44.30	-0.8	N	20s	148.00um			
			e	57	40.00		ASH	120.96	27	ePdiff28	15.00	3.8X	E	20s	131.00um			
KIV	108.81	32	(Pdiff27	23.60	6.4X				e	31 46.00				sPKP	32 04.00			
			e	37	53.30				i	33 18.00				PP	33 40.00			
PYA	108.95	32	iPdiff27	21.00	3.3X				iPPP	35 52.00				SKS	38 56.00			
			iPS	41	20.00				e	38 41.00				SKKS	40 28.00			
HNR	109.07	265	ePdiff27	20.00	1.2				e	38 54.00				SS	50 28.00			
			e(S)	39	34.00				PS	42 58.00		ABHA	125.18	55	ePKP	31 56.00	1.5	
MAT	110.02	318	ePKP	31	29.00	4.3X			i	44 23.00		KMSA	125.32	51	ePKP	31 53.30	-1.1	
GRO	110.77	31	iPdiff27	30.00	4.3X				SS	49 54.00		BFT	125.48	111	iPKPd	31 59.20	4.4X	
			i	32	03.00		BTO	121.08	340	ePKP	31 44.00	-1.8		1.1s	140.00nm			
			iPPP	34	20.00		N	21s	78.10um			DHJN	126.09	55	ePKP	31 57.30	1.0	
			i	38	06.00		E	20s	70.30um			CSY	126.20	191	ePKP	31 50.10	-4.6X	
			iPS	41	30.00				PP	33 16.00			0.6s	7.70nm				
IRK	111.69	349	ePdiff27	14.00	-15.7X				eSKKS	40 10.50				i	31 55.10			
			e	42	48.00				eSS	49 42.00		MTD	126.43	100	iPKPc	31 40.00	-16.8X	
ERE	112.41	34	iPdiff27	36.00	2.7X		CNB	121.11	238	ePKP	31 50.20	4.3X			iPKP	31 47.10		
			i	32	15.00				ePP	33 24.00		LZH	127.12	343	Pdiff	28 45.00	6.0X	
			ePPP	34	38.00				ePS	43 17.00		LZH	127.12	343	PKP	31 58.00	0.3	
			e	38	29.00		SWZ	121.26	113	iPKPc	31 48.60	2.0X	N	18s	142.00um			
			PS	41	49.00				0.6s	76.00nm				PP	34 00.00			
ZAK	113.69	349	ePdiff27	38.00	-0.5		CAN	121.41	237	ePKP	31 51.00	4.5X		SS	51 06.00			
	3.3s	972.00nm					HVD	121.42	117	iPKPc	31 59.20	12.4X	XAN	127.34	337	PKP	31 56.00	-2.0
			e	32	21.50				1.2s	90.00nm		Z	30s	62.70um		7.1MszX		
YONJ	113.87	320	PKP	31	38.10	6.0X						N	16s	53.90um				
TKSJ	114.27	318	PKP	31	39.40	6.5X</												

10d 19h

			iPP	34	06.50		KHT	148.65	339	ePKP	32	36.70	-0.2	LVVM	6.34	329	iP	46	32.30	-7.3X	
			i	44	11.60		KBR	149.01	337	ePKP	32	50.00	12.6X				(S)	47	46.50		
			i	51	40.10		GBA	150.20	20	PKPd	32	38.00	-1.2	IIT	6.93	313	(P)	46	45.80	-2.4	
WHN	128.04	330	PKP	32	00.00	0.7		1.1s	999.90nm					ACX	7.11	292	(P)	47	46.50	56.2X	
	Z	22s					NNT	150.23	335	ePKP	32	42.30	3.0X	PPM	7.19	312	iP	46	53.99	2.0	
	N	21s					NANU	152.22	249	ePKP	32	43.00	0.9	IIA	7.27	312	iP	46	54.57	2.1	
	E	18s						0.6s	83.00nm				III	7.43	304	iP	46	51.00	-4.0X		
			PP	34	05.00		KOD	153.34	22	iPKP	32	45.80	1.6	CRX	8.18	309	iP	47	03.30	-2.1	
NAI	128.33	80	PdDiff	28	52.00	7.0X			ePP	36	54.00		MRX	9.52	305	iP	47	20.50	-2.9		
NAI	128.33	80	iPKPc	32	02.00	1.4	IPM	156.52	324	ePKPc	32	47.00	-1.2	OCO	21.51	350	iPc	49	52.90	1.5	
			1.0s	4618.00nm				S.D. = 1.3	on 466 of 637 obs.				SDV	22.53	101	eP	50	05.00	3.1X		
			i	32	20.00								GBTN	22.67	19	eP	50	02.95	0.0		
ADE	129.81	237	ePKP-	32	01.00	-1.7		SEP 10, 1993	19h 18m 25.51± 0.46s				ACO	22.97	347	iPd	50	05.90	0.1		
QIS	130.03	255	ePKP	32	04.00	0.6		38.943 N ± 6.3km	111.573 E ± 5.3km				TOV	23.10	99	eP	50	09.70	2.4		
QZH	130.18	322	PKP	32	03.00	-0.5		DEPTH = 33.0km	(normal)				ELC	23.12	8	eP	50	07.10	-0.1		
	Z	20s						4.6mb (5 obs.)					TUC	24.20	321	eP	50	18.97	1.1		
	N	18s												1.1s	76.96nm			5.1mb			
			PP	34	16.00			NORTHEASTERN CHINA	(658)				PV08	27.86	333	eP	50	52.72	0.7		
CD2	131.97	341	PKP	32	07.20	0.3		ML 5.0 (BJI).					PV10	27.87	332	eP	50	51.34	-0.7		
	Z	19s					TIY	1.40	151	iPgc	18	51.50	2.5	PV09	28.01	332	eP	50	53.27	-0.1	
	N	18s							Sg	19	10.80		PLM	28.81	315	eP	51	00.20	-0.2		
			PP	34	31.00		HHC	1.90	360	Pn	18	56.80	0.4	PEC	29.32	316	(P)	51	06.31	1.4	
CVP	133.17	312	ePKP	32	14.00	4.6X			Pg	18	58.40			1.0s	37.85nm			5.0mb			
TLE	134.50	277	ePKPd	32	16.90	4.9X			Sg	19	20.40		MSU	29.49	328	eP	51	05.22	-1.3		
PLP	134.71	303	ePKPc	32	14.00	1.6	BTO	2.04	325	Pn	18	58.80	0.5	ARUT	29.61	326	eP	51	07.43	-0.1	
HKC	134.79	324	ePdDiff29	04.00	-9.2X				Pg	19	00.90		EMUT	29.85	332	(P)	51	10.01	0.3		
BAG	134.91	312	ePdDiff29	12.00	-2.1X				Pg	19	26.20		RSSD	31.18	345	(P)	51	21.37	0.1		
BAG	134.91	312	ePKP	32	12.00	-1.0			Pn	19	22.50	0.4		0.6s	12.06nm			4.8mb			
WB2	134.95	256	ePKP	32	00.30	-12.5X			Pg	19	32.00		HVU	32.31	332	eP	51	31.30	0.1		
			i	32	09.80				Sg	20	20.00		BONR	32.54	321	eP	51	33.54	0.2		
			ePP	35	50.20				Pn	19	42.70	-0.1	PHAM	32.62	316	eP	51	34.60	0.9		
			i	53	54.80				Pg	19	58.60		MEMM	32.75	320	(P)	51	35.74	0.9		
WRA	134.96	256	PKP	32	01.10	-11.7X			Sg	21	06.00		PTI	33.00	333	eP	51	37.26	0.1		
			0.8s	2.60nm					Pn	19	45.50	0.5	HHAI	33.34	334	eP	51	40.52	0.4		
GQP	135.12	308	ePKP	32	16.00	2.9X	XAN	5.34	204	Pn	20	45.60		RSNY	33.98	24	(P)	51	44.18	-1.2	
ASPA	135.31	251	ePdDiff29	07.80	-7.8X				Sg	21	14.20			1.7s	49.76nm			5.2mb			
ASPA	135.31	251	ePKP	31	59.10	-14.3X			Pn	20	05.00	-0.3	ARN	34.22	317	(P)	51	49.44	1.8		
	Z	20s							Z	12s	1.79um		LRM	35.45	336	iPc	51	58.90	0.6		
			i	32	14.20						Sg	21	51.50		ORV	35.49	321	eP	51	59.05	0.7
			iPKS	35	41.10		DL2	7.84	87	eP	20	24.00	3.9X	ULM	35.92	357	eP	52	04.50	2.7	
			iSKKP	44	12.40		GTA	9.14	277	eP	20	36.50	-1.8	LBFM	36.82	323	eP	52	09.68	-0.2	
			e	51	17.20					Z	16s	1.43um		ARE	37.22	144	eP	51	54.00	-19.4X	
QCP	135.69	310	ePKP	32	07.50	-6.7X			eS	22	16.00		FHC	37.76	320	eP	52	16.68	-0.8		
NDI	135.76	13	ePKP	32	05.00	-9.1X	SNY	9.60	69	eP	20	43.00	-1.5		1.0s	59.04nm			5.5mb		
			ePP	34	53.00		CD2	10.26	221	P	20	51.80	-1.8	DPW	39.47	333	eP	52	32.00	0.3	
MAP	135.99	302	ePKP	32	26.00	11.1X			S	22	44.00			e				52	40.02		
DAV	136.35	297	ePKP	32	04.00	-11.6X	GVA	13.11	200	P	21	31.40	-0.7	SHW	40.17	328	(P)	52	38.68	1.1	
CGP	136.40	300	ePKP	32	14.50	-1.1	WMQ	18.55	293	P	22	42.00	0.5	LON	40.34	329	eP	52	38.88	0.0	
PGP	136.50	309	ePKP	32	11.00	-4.8X			1.2s	29.00nm		4.3mb	YKA	50.51	347	eP	53	59.00	-0.3		
CRZF	136.65	144	iPKPd	32	03.00	-12.2X	LSA	19.19	247	iPc	22	50.00	0.3		0.7s	30.80nm			5.4mb		
MTN	137.49	267	ePKP	32	09.00	-8.7X			0.8s	25.00nm		4.5mb	BALM	58.55	334	eP	54	58.55	0.5		
GUN	137.60	2	PKP	32	09.20	-8.9X	GUN	24.02	250	P	23	39.80	1.1	INK	59.88	344	ePc	55	06.90	0.0	
KMI	137.66	339	PKP	32	03.00	-15.1X	KKN	24.53	251	P	23	44.20	0.7		0.9s	8.00nm			4.8mb		
			sPKP	32	18.00				0.6s	29.00nm		5.0mb	KLU	60.28	334	eP	55	09.63	-0.3		
			PP	35	07.00		DMN	24.76	251	P	23	46.40	0.7	RES	60.38	359	eP	55	10.50	0.3	
KKN	137.70	3	PKP	32	08.00	-10.1X	GBA	39.29	239	P	25	54.00	0.9		1.0s	11.00nm			4.9mb		
DMN	137.87	3	PKP	32	08.80	-9.7X	MAIO	40.88	283	eP	26	24.00	18.0X	LPF	80.78	43	eP	57	12.70	-1.2	
FORT	139.45	240	ePKP	32	12.00	-8.9X	WRA	62.34	156	P	28	46.30	-0.7		0.8s	10.35nm			4.8mb		
MNI	139.58	290	ePKP	32	15.00	-6.6X			0.7s	1.80nm		4.3mb	GRR	80.84	42	eP	57	13.30	-0.9		
SHL	139.72	354	iPKP	32	13.90	-7.8X	WB2	62.34	156	iPDIFc28	45.80	-1.3		0.6s	4.50nm			4.6mb			
			ePP	35	16.00				1.2s	17.20nm		5.1mb	FLN	81.01	42	eP	57	14.30	-0.8		
QIZ	139.81	326	PKPd	32	15.00	-6.8X	STK	75.79	154	ePDIF	30	09.50	-0.2		0.9s	7.85nm			4.6mb		
	N	16s							6.0s	4.30nm		3.6mb X	LDF	81.27	42	eP	57	15.00	-1.5		
	E	17s					BUL	97.15	250	iPc	31	49.00	-7.0X		0.7s	3.00nm			4.3mb		
			PP	35	17.00				1.1s	46.20nm		5.9mb X	LFF	82.63	46	eP	57	22.90	-0.7		
PPR	140.51	306	ePKPd	32	38.00	14.8X			E	19s	51.39um				0.9s	14.60nm			4.9mb		
TSM	144.34	300	ePKPd	32	26.30	-3.6X					iPP	31	55.30		EPF	82.76	48	eP	57	26.30	1.9
KKM	144.72	304	ePKPd	32	23.70	-7.0X					iS	41	44.00			0.7s	2.75nm			4.3mb	
CHTO	144.78	341	iPKPc	32	27.10	-3.4X					iS	51	28.00		LSF	82.87	44	eP	57	23.50	-1.3
			1.5s	337.84nm			WIN	107.16	255	ePdDiff32	35.00	-6.0X		0.8s	5.25nm			4.5mb			
LOE	145.07	336	ePKP	32	27.80	-3.2X			1.5s	120.00nm		6.7mb X	LPO	82.99	46	eP	57	24.40	-1.1		
BDT	146.23	340	ePKP	32	30.80	-2.1X			S.D. = 1.1	on 20 of 24 obs.			RJF	83.08	45	eP	57	24.30	-1.6		
			0.9s	617.60nm										0.8s	4.15nm			4.4mb			
RKG	146.77	228	ePKP	32	34.50	1.1			SEP 10, 1993	19h 45m 06.78± 0.96s			TCF	83.32	44	eP	57	25.40	-1.8		
			0.5s	34.00nm					14.311 N ± 12.6km	92.971 W ± 6.3km				1.1s	9.50nm			4.7mb			
HYB	146.91	16	ePKP	32	33.00	-1.1			DEPTH = 72.2 ± 6.0 km				MAF	83.58	44	eP	57	27.50	-1.0		
			1.0s	1250.00nm					4.7mb (26 obs.)					1.0s	7.20nm			4.6mb			
MKS	147.04	283	iPKPc	32	37.50	3.1X			NEAR COAST OF CHIAPAS, MEXICO	(69)			AVF	83.97	43	eP	57	30.00	-0.4		
NST	147.27	337	ePKP	32	34.00	-0.6	PCG	2.29	88	eP	45	43.43	0.1		0.9s	6.90nm			4.7mb		
NWAO	147.37	231	ePKP	32	33.70	-0.7	GCG	2.38	83	eP	45	44.34	-0.1	SSF	84.00	43	eP	57	29.60	-0.9	
MBL	148.48	254	ePKP	32	36.00	-0.5															

MSZ	1.52	65	P	04 49.10	-0.5
			S	05 07.40	
TLC	2.17	87	P	04 59.60	0.3
MMCZ	2.24	83	P	05 00.70	0.5
CMCZ	2.32	87	P	05 01.60	0.3
MHZ	2.33	84	P	05 02.00	0.5
SBCZ	2.35	85	P	05 02.40	0.7
MSCZ	2.42	85	P	05 03.30	0.6
TUZ	2.62	105	P	05 05.60	0.1
LMZ	2.84	57	P	05 10.90	2.3
BWZ	2.87	75	Pc	05 09.30	0.3
ODZ	3.30	87	P	05 14.20	-0.9
VWZ	4.08	58	eP	05 26.70	0.5
MQZ	5.03	73	P	05 38.60	-1.0
			eS	06 29.80	
LTZ	5.19	63	eP	05 40.70	-1.2
			eS	06 36.30	
THZ	6.15	57	eP	05 56.00	0.4

10d 20h

QRZ 6.57 49 eP 06 01.40 0.0
 MOZ 9.46 47 eP 06 41.10 -0.5
 S.D. = 0.9 on 17 of 17 obs.

? SEP 10, 1993 20h 20m 51.12± 4.21s
 13.771 N ± 42.9km 92.956 W ± 16.4km
 DEPTH = 33.0km (normal)
 4.5mb (1 obs.)

OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.31 31 iP 21 13.05 -0.2
 SCX 2.96 6 iP 21 37.71 0.8
 OXX 4.90 313 iP 22 04.51 -0.1
 (S) 23 11.70
 IIT 7.32 316 (P) 22 44.67 5.9X
 ACX 7.34 296 (P) 23 01.75 23.0X
 PPM 7.57 315 eP 22 40.68 -1.8
 (S) 24 16.15
 IIA 7.65 315 (P) 22 45.86 2.8X
 III 7.75 307 iP 22 46.09 1.3
 PV10 28.35 333 eP 26 49.96 5.4X
 LBFM 37.26 323 (P) 28 03.16 1.3
 YKA 51.04 347 eP 29 50.70 -1.2
 0.8s 4.70nm 4.5mb
 HYB 147.90 15 ePKP 40 38.50 6.2X
 GBA 151.18 20 PKP 40 46.00 8.7X
 S.D. = 1.5 on 7 of 13 obs.

% SEP 10, 1993 20h 33m 58.47± 1.41s
 45.019 N ± 9.1km 0.378 W ± 12.4km
 DEPTH = 10.0km (geophysicist)

FRANCE (538)
 ML 2.1 (LDG).

LFF 0.80 95 Pg 34 14.10 0.1
 Sg 34 25.90
 LPO 1.16 106 Pg 34 19.70 -0.5
 Sg 34 35.50
 RJF 1.37 77 Pg 34 23.10 -0.5
 Sg 34 43.30
 MFF 1.59 6 Pg 34 26.70 0.0
 Sg 34 48.80
 CAF 1.74 92 Pg 34 29.80 0.9
 Sg 34 54.00
 EPF 2.05 165 Pg 34 33.50 0.0
 Sg 34 57.30
 TCF 2.21 54 Pg 34 40.80 5.0X
 Sg 35 11.50
 MAF 2.39 59 Pg 34 43.90 5.6X
 Sg 35 16.60
 S.D. = 0.7 on 6 of 8 obs.

SEP 10, 1993 20h 39m 09.04± 0.95s
 14.146 N ± 10.5km 93.107 W ± 5.7km
 DEPTH = 48.7 ± 6.0 km
 4.9mb (25 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 5.0 (GCG).

TPX 1.11 47 iPd 39 28.20 -0.3
 PCG 2.44 84 eP 39 41.91 -5.5X
 eS 40 18.32
 GCG 2.53 80 eP 39 49.02 0.3
 IXG 2.57 89 ePc 39 48.45 -0.9
 eS 40 21.33
 SCX 2.61 10 iPc 39 51.66 2.0
 iS 40 11.05
 YUP 3.21 89 ePd 39 57.77 -0.6
 OXX 4.54 310 iP 40 15.89 -1.4
 LVVM 6.41 331 iP 40 43.78 0.5
 (S) 41 57.55
 IIT 6.95 315 iP 40 51.64 0.5
 (S) 42 30.64
 ACX 7.05 293 (P) 40 47.26 -5.0X
 PPM 7.21 314 iPd 40 55.67 0.7
 iS 42 26.96
 IIA 7.28 314 iPd 40 56.14 0.6
 III 7.42 305 iP 40 56.05 -1.5
 MRX 9.51 307 iP 41 26.22 0.0
 LTX 18.00 329 ePc 43 17.00 -0.5
 MIAR 20.31 359 eP 43 41.81 -1.9
 2.2s 508.39nm 5.5mb
 eS 47 22.63
 MEO 21.13 347 iPc 43 49.90 -2.2
 OCO 21.65 350 iPc 43 58.50 1.3
 TUL 21.81 354 iP 43 58.20 -0.6

SDV 22.63 101 eP 44 09.10 1.9
 ACO 23.10 348 iPd 44 10.50 -1.0
 TOV 23.21 98 eP 44 14.30 1.5
 ELC 23.30 8 eP 44 12.68 -0.7
 eS 48 30.41

TUC 24.24 321 eP 44 24.66 2.0
 1.9s 324.68nm 5.5mb
 GLA 27.29 317 eP 44 51.41 0.3
 GLD 27.64 340 eP 44 54.57 0.2
 1.7s 86.57nm 5.1mb

PV08 27.95 333 eP 44 57.98 0.6
 PV10 27.96 333 eP 44 56.78 -0.5
 PV09 28.10 333 eP 44 59.11 0.5
 SRU 29.23 332 eP 45 08.74 0.1
 MSU 29.56 329 eP 45 11.91 0.2
 PcP 48 16.69

ARUT 29.67 326 eP 45 13.61 0.9
 DAU 30.61 332 ePc 45 20.97 -0.1
 ePP 46 35.78
 RSSD 31.30 345 eP 45 26.56 -0.4
 0.8s 17.07nm 4.9mb

PHAM 32.64 316 (P) 45 39.79 1.2
 HHAI 33.43 334 eP 45 46.07 0.6
 LRM 35.54 337 eP 46 03.90 0.2
 ULM 36.08 357 eP 46 08.00 0.2
 LBFM 36.87 323 eP 46 15.00 0.1
 FHC 37.80 321 (P) 46 24.21 1.7
 1.3s 72.20nm 5.4mb

NEW 39.40 335 eP 46 35.12 -0.6
 1.3s 22.41nm 4.8mb
 LON 40.41 329 eP 46 44.52 0.4
 YKA 50.64 347 eP 48 04.50 -0.6
 1.0s 46.40nm 5.5mb

SOB1 56.76 111 eP 48 49.00 -1.9
 BALM 58.64 334 eP 49 03.74 0.2
 INK 60.00 344 ePd 49 12.00 -0.7
 0.9s 9.00nm 4.9mb

KLU 60.37 334 eP 49 15.27 -0.2
 RES 60.54 359 eP 49 17.00 0.8
 1.0s 11.00nm 4.9mb
 CRP 63.02 332 eP 49 32.37 -0.9
 SVW 64.55 332 eP 49 41.71 -1.5
 0.9s 14.64nm 5.0mb

TTA 65.29 333 eP 49 46.57 -1.4
 1.2s 12.78nm 4.8mb
 DAG 72.74 13 eP 50 33.50 -0.1
 1.0s 18.00nm 5.0mb

GRR 81.05 42 eP 51 18.90 -1.4
 1.0s 13.80nm 4.8mb
 TCF 83.53 44 eP 51 32.50 -0.8
 0.9s 6.40nm 4.7mb

AVF 84.18 43 eP 51 35.00 -1.5
 0.8s 2.55nm 4.3mb
 SSF 84.21 43 eP 51 35.40 -1.3
 0.7s 2.55nm 4.4mb

LOR 84.39 43 eP 51 37.50 -0.1
 0.9s 4.10nm 4.5mb
 NB2 84.53 28 P 51 38.50 0.5
 1.2s 28.50nm 5.2mb

ENN 84.78 39 eP 51 41.50 2.1
 0.9s 10.40nm 4.9mb
 WTS 84.98 38 eP 51 42.50 2.2
 0.9s 9.40nm 4.9mb

HAU 85.82 42 eP 51 44.90 0.2
 1.1s 12.95nm 5.1mb
 BSF 86.15 42 eP 51 46.00 -0.5
 0.9s 7.85nm 4.9mb

CDF 86.30 41 eP 51 47.00 -0.2
 1.1s 9.30nm 4.9mb
 KHC 89.99 39 eP 52 04.60 -0.1
 1.0s 3.50nm 4.6mb

GEC2 90.17 39 ePKP 52 05.40 -0.3
 1.0s 3.81nm 4.7mb
 PRU 90.25 38 P 52 07.00 1.1
 ZST 92.51 39 eP 52 16.40 0.1
 SPC 93.96 37 e(P) 52 24.70 1.5

KKN 138.28 2 PKP 58 31.80 0.1
 0.8s 17.00nm
 DMN 138.46 2 PKP 58 36.60 4.5X
 LOE 145.40 334 ePKP 58 43.10 -1.0
 BDT 146.60 339 ePKP 58 46.50 0.4
 HYB 147.58 15 ePKP 58 50.20 2.5X
 GBA 150.88 19 PKPd 58 59.00 6.2X
 S.D. = 1.0 on 69 of 74 obs.

* SEP 10, 1993 21h 10m 39.72± 2.03s
 14.093 N ± 21.7km 92.772 W ± 13.2km

DEPTH = 54.8 ± 14.9 km
 4.6mb (1 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.4 (GCG).

TPX 0.95 31 iP 10 55.83 -1.2
 iS 11 11.96
 PCG 2.12 82 eP 11 13.78 0.2
 IXG 2.25 88 ePc 11 15.60 0.2
 eS 11 48.83

SCX 2.63 3 iP 11 21.73 1.2
 iS 11 54.44
 YUP 2.88 87 eP 11 24.51 0.1
 eS 12 03.36
 OXX 4.83 308 iP 11 51.69 -0.2
 (S) 13 06.41

IISM 6.57 318 (P) 12 32.22 16.2X
 PPM 7.48 312 iP 12 32.84 3.6X
 III 7.71 304 iP 12 35.05 2.8X
 LRM 35.72 336 eP 17 36.40 1.1
 YKA 50.77 347 eP 19 34.80 -1.3
 0.8s 5.00nm 4.6mb

INK 60.14 344 eP 20 43.50 -0.1
 S.D. = 1.1 on 9 of 12 obs.

* SEP 10, 1993 21h 14m 37.57± 1.36s
 14.050 N ± 18.6km 92.925 W ± 7.2km
 DEPTH = 33.0km (normal)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.6 (GCG).

TPX 1.07 37 iPd 14 54.62 -1.6
 iS 15 04.50
 PCG 2.27 81 ePc 15 13.15 -0.7
 eS 15 44.16

GCG 2.38 77 eP 15 15.57 0.3
 eS 15 47.21
 IXG 2.40 87 ePc 15 15.35 -0.2
 eS 15 47.94

SCX 2.68 6 iP 15 20.55 1.2
 iS 15 50.90
 YUP 3.03 87 ePc 15 25.75 1.2
 OXX 4.74 310 (P) 15 42.25 -6.6X
 (S) 16 49.31

IIT 7.15 314 (P) 16 22.75 0.0
 (S) 17 52.49
 PPM 7.40 313 iP 16 27.67 1.1
 (S) 17 51.85

IIA 7.48 313 (P) 16 27.72 0.6
 III 7.61 305 iP 16 28.00 -1.3
 MRX 9.70 307 (P) 16 57.38 -0.6
 MEO 21.27 347 iPd 19 14.60 -8.8X
 LRM 35.70 336 eP 21 31.50 -3.7X
 S.D. = 1.1 on 11 of 14 obs.

SEP 10, 1993 21h 22m 34.00± 1.16s
 13.942 N ± 13.8km 93.034 W ± 6.4km
 DEPTH = 52.0 ± 7.8 km
 4.7mb (6 obs.)

OFF COAST OF CHIAPAS, MEXICO (68)
 MD 4.9 (GCG).

TPX 1.22 38 iPd 22 53.57 -1.4
 iS 23 05.05
 PCG 2.40 79 ePc 23 11.65 -0.2
 GCG 2.51 75 eP 23 14.04 0.7
 eS 23 53.25

IXG 2.51 84 ePd 23 13.58 0.2
 eS 23 47.92
 SCX 2.80 8 iP 23 18.22 0.8
 iS 23 54.41

YUP 3.15 85 eP 23 22.76 0.3
 eS 24 05.23
 OXX 4.73 312 iP 23 43.43 -1.4
 (S) 24 43.58

LVVM 6.63 331 (P) 24 11.94 0.8
 IIT 7.15 316 (P) 24 19.20 0.4
 PPM 7.40 314 iP 24 22.83 0.3
 (S) 25 46.83
 IIA 7.48 315 iP 24 23.41 0.3
 (S) 26 07.88

III 7.59 306 iP 24 24.04 -0.9
 MRX 9.69 307 (P) 24 36.75 -16.8X
 MIAR 20.52 359 eP 27 06.86 -3.6X
 1.3s 52.21nm 4.7mb
 MEO 21.35 347 iPd 27 17.40 -1.5
 TUC 24.44 321 eP 27 50.54 1.2

10d 21h

1.3s 52.58nm 4.9mb
 PLM 29.03 316 eP 28 31.75 0.2
 ARUT 29.88 326 eP 28 40.25 1.1
 LRM 35.76 337 ePc 29 30.60 0.4
 LBFM 37.08 323 eP 29 41.27 0.0
 NEW 39.61 335 (P) 30 02.70 0.6
 1.0s 7.00nm 4.5mb
 YKA 50.86 347 eP 31 30.40 -0.9
 0.9s 10.60nm 4.9mb
 SOB1 56.62 111 eP 32 14.10 -0.4
 INK 60.21 344 eP 32 38.50 -0.2
 1.0s 4.00nm 4.5mb
 KLU 60.59 334 eP 32 41.57 0.1
 FEA 62.90 337 (P) 32 56.04 -0.8
 0.4s 2.71nm 4.7mb
 WRA 134.41 256 PKP 41 53.20 4.4X
 0.7s 0.50nm
 HYB 147.75 15 ePKP 42 18.00 5.5X
 GBA 151.05 19 PKP 42 26.00 8.4X
 S.D. = 0.8 on 24 of 29 obs.

SEP 10, 1993 21h 49m 45.94 ± 0.97s
 14.209 N ± 11.7km 92.939 W ± 6.1km
 DEPTH = 52.2 ± 7.0 km
 4.5mb (6 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.7 (GCG).

TPX 0.95 43 iPc 50 02.04 -1.2
 1S 50 15.20
 PCG 2.27 85 iPd 50 21.93 0.0
 GCG 2.36 81 eP 50 24.17 1.0
 eS 50 57.62
 IXG 2.41 91 eP 50 23.53 -0.3
 eS 50 55.71
 SCX 2.53 7 iP 50 26.26 0.9
 iS 50 57.86
 YUP 3.04 90 ePc 50 32.85 -0.1
 OXX 4.63 309 iP 50 53.99 -1.3
 LVVM 6.44 329 (P) 51 14.08 -6.5X
 IIT 7.03 314 (P) 51 30.19 1.2
 ACX 7.17 293 (P) 51 39.04 8.2X
 PFM 7.28 312 iP 51 33.24 0.4
 IIA 7.36 313 iP 51 33.95 0.6
 (S) 53 19.57
 III 7.51 304 eP 51 35.50 -0.3
 MRX 9.60 306 (P) 51 39.14 -25.2X
 LTX 18.03 328 eP 53 53.50 -1.0
 MIAR 20.26 358 eP 54 20.66 1.0
 0.8s 24.35nm 4.6mb
 MEO 21.11 347 iPc 54 28.90 0.5
 TUL 21.76 354 iP 54 35.10 0.2
 MYNC 22.24 19 eP 54 40.01 0.3
 0.7s 8.26nm 4.3mb
 TUC 24.29 321 eP 55 01.44 1.6
 0.9s 11.77nm 4.4mb
 PV08 27.97 333 eP 55 33.75 -0.3
 ARUT 29.71 326 eP 55 49.82 0.2
 RSSD 31.28 345 (P) 56 02.54 -0.9
 0.6s 2.39nm 4.1mb
 HVU 32.41 332 eP 56 13.51 0.3
 LRM 35.55 336 eP 56 40.20 -0.1
 ULM 36.02 357 eP 56 44.00 0.1
 LBFM 36.92 323 eP 56 51.52 -0.3
 YKA 50.62 347 eP 58 40.00 -1.4
 0.9s 11.60nm 4.9mb
 SOB1 56.62 111 (P) 59 26.00 -0.5
 INK 59.98 344 eP 59 48.00 -1.1
 1.0s 5.00nm 4.6mb
 KLU 60.39 334 eP 59 50.77 -1.3
 HYB 147.47 15 ePKP 09 26.00 2.0
 GBA 150.77 19 PKP 09 35.00 5.9X
 S.D. = 0.9 on 29 of 33 obs.

SEP 10, 1993 21h 52m 46.07 ± 0.60s
 15.459 N ± 9.5km 114.835 E ± 6.0km
 DEPTH = 10.0km (geophysicist)
 4.5mb (13 obs.)

SOUTH CHINA SEA (301)

BCP 5.64 79 eP 54 11.00 -1.2
 SZP 5.78 68 iPd 55 09.00 55.1X
 QIZ 5.95 307 Pn 54 10.30 -6.0X
 N 10s 2.52um
 E 11s 1.69um
 Sn 55 15.00
 TGY 6.05 102 ePd 54 22.30 4.4X

PIP 6.23 62 eP 54 21.00 0.7
 PGP 6.24 107 eP 54 21.00 0.6
 PPR 6.81 146 iPd 54 29.50 1.0
 iS 55 45.00
 HKC 6.84 355 P 54 24.50 -4.3X
 iS 55 34.80
 CVP 7.06 71 eP 54 31.00 -1.0
 GZH 7.72 350 Pn 54 35.50 -5.7X
 LOE 12.72 281 eP 55 48.10 -1.8
 KMI 14.86 312 eP 56 18.50 0.2
 1.6s 50.00nm 4.8mb
 NNT 14.93 261 eP 56 19.40 0.4
 CHTO 15.55 285 eP 56 27.10 0.0
 1.4s 27.40nm 4.3mb
 NJ2 16.92 12 Pc 56 48.00 3.5X
 IPM 17.36 233 ePc 56 54.30 4.2X
 XAN 19.25 345 P 57 12.00 -1.6
 1.4s 13.00nm 4.0mb
 sP 57 20.60
 TIA 20.77 5 eP 57 29.60 -0.1
 1.0s 30.00nm 4.6mb
 TIY 22.27 355 eP 57 45.00 0.1
 LZH 22.77 336 eP 57 51.00 1.0
 1.5s 40.00nm 4.7mb
 sP 58 00.00
 BJI 24.52 2 eP 58 07.50 0.8
 1.5s 86.00nm 5.2mb
 BTO 25.40 351 eP 58 16.00 0.7
 HHC 25.46 354 eP 58 17.30 1.4
 LSA 25.99 307 P 58 25.00 3.6X
 1.1s 42.00nm 5.0mb
 GTA 27.25 334 eP 58 34.50 2.0
 1.5s 8.00nm 4.2mb
 pP 58 39.50 18kmX
 GUN 29.54 300 P 58 54.60 1.0
 KKN 30.00 299 P 58 58.40 0.8
 0.8s 31.00nm 5.2mb
 DMN 30.10 299 P 58 59.40 1.0
 WMQ 36.50 326 eP 59 57.50 4.1X
 MAIO 53.19 304 eP 02 06.00 -0.9
 STK 53.61 152 eP 02 14.60 4.8X
 2.9s 2.10nm 3.6mb
 HFS 82.18 330 eP 05 05.50 -2.9
 0.5s 2.10nm 4.5mb
 NB2 83.06 332 P 05 09.00 -4.0X
 1.2s 3.80nm 4.5mb
 GEC2 85.65 319 ePKP 05 24.30 -2.1
 1.1s 1.70nm 4.2mb
 e 05 29.10
 e 05 38.00
 S.D. = 1.3 on 23 of 34 obs.

* SEP 10, 1993 21h 58m 36.01 ± 1.49s
 14.390 N ± 17.6km 93.190 W ± 9.7km
 DEPTH = 44.7 ± 10.0 km
 4.2mb (6 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.03 60 iP 58 54.00 -0.3
 SCX 2.39 13 iPc 59 15.00 1.4
 iS 59 38.00
 IXG 2.66 94 eP 59 17.50 -0.1
 eS 59 54.11
 YUP 3.29 93 eP 59 26.31 -0.2
 eS 00 12.14
 OXX 4.33 309 iP 59 41.90 0.6
 iS 00 34.99
 LVVM 6.16 330 iP 00 06.04 -0.8
 PPM 6.98 313 (P) 00 24.66 5.8X
 III 7.21 304 eP 00 21.00 -0.8
 ELC 23.07 8 eP 03 38.73 0.2
 GOL 27.39 339 eP 04 19.66 0.1
 0.8s 5.57nm 4.3mb
 PV08 27.70 333 eP 04 22.97 0.5
 SRU 28.98 331 eP 04 35.16 1.4
 ARUT 29.43 326 eP 04 37.46 -0.4
 DUG 30.92 330 eP 04 52.07 1.1
 0.9s 1.62nm 3.8mb
 BW06 31.61 337 (P) 04 56.00 -1.1
 1.3s 4.52nm 4.1mb
 HVU 32.14 332 eP 05 01.76 0.1
 LRM 35.29 336 eP 05 29.10 0.1
 YKA 50.39 347 eP 07 29.00 -1.6
 0.8s 6.00nm 4.7mb
 INK 59.74 344 eP 08 37.00 -1.3
 0.9s 2.00nm 4.2mb
 APO 85.78 28 eP 11 10.10 -1.6

0.5s 0.60nm 4.1mb
 HYB 147.36 15 ePKP 18 17.50 2.7
 GBA 150.68 19 PKP 18 26.00 6.0X
 S.D. = 1.2 on 20 of 22 obs.

SEP 10, 1993 21h 58m 52.90 ± 0.66s
 51.651 N ± 6.3km 16.142 E ± 5.2km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)
 ML 3.5 (GRF), 3.5 (VIE).

KSP 0.81 173 iPd 59 07.90 -0.8
 0.3s 59.00nm
 i 59 09.10
 iS 59 17.20
 eLR 59 24.00
 BRG 1.58 241 iPn 59 21.70 0.6
 iPg 59 22.30
 iSg 59 42.20
 PRU 1.95 212 Pn 59 25.90 -0.5
 0.3s 55.40nm
 Pg 59 27.70
 Sn 59 44.60
 Sg 59 50.70
 CLL 1.99 261 iPn 59 27.30 0.3
 i(Sn) 59 51.10
 iSg 59 55.80
 VRAC 2.36 173 iPnc 59 32.90 0.6
 0.2s 6.40nm
 eSg 00 06.10
 OJC 2.72 120 eP 59 37.50 0.1
 iS 00 11.50
 HOF 3.01 245 iPnc 59 41.60 0.1
 KHC 3.01 214 Pn 59 40.50 -1.0
 e 59 45.50
 e 00 17.00
 eSg 00 24.50
 MOX 3.02 252 ePn 59 42.80 1.1
 ePg 59 50.60
 iSg 00 29.10
 GEC2 3.22 210 Pn 59 44.20 -0.3
 Pg 59 50.70
 Sg 00 30.80
 WET 3.26 221 iPnc 59 44.60 -0.5
 VKA 3.39 178 iPg 59 56.00 9.0X
 iSg 00 38.60
 SPC 3.60 132 e(Pn) 59 51.00 0.9
 i 00 50.20
 GRF 3.69 240 ePn 59 51.30 0.0
 ePg 00 04.30
 eSg 00 49.20
 HFS 8.61 352 eP 00 59.60 -0.8
 0.3s 0.50nm 4.3mb X
 S.D. = 0.7 on 14 of 15 obs.

* SEP 10, 1993 22h 04m 53.24 ± 3.36s
 51.516 N ± 25.0km 16.028 E ± 18.2km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)

KSP 0.69 166 iPd 05 06.50 -0.5
 0.2s 83.00nm
 iS 05 15.70
 eLR 05 23.40
 BRG 1.46 245 iPn 05 19.80 0.2
 iPg 05 20.90
 iSg 05 40.70
 PRU 1.80 212 Pn 05 24.40 -0.1
 0.2s 37.10nm
 Pg 05 26.40
 Sn 05 43.40
 Sg 05 49.20
 i 05 57.60
 CLL 1.91 265 iPn 05 25.90 -0.1
 iSg 05 54.40
 VRAC 2.24 170 iPnc 05 31.40 0.5
 0.2s 5.10nm
 eSg 06 04.60
 KHC 2.86 214 Pn 05 39.40 -0.3
 Pg 05 45.00
 Sn 06 14.00
 Sg 06 23.80
 HOF 2.89 247 iPnc 05 39.90 -0.3
 MOX 2.92 254 iPg 05 48.70 8.2X
 eSg 06 27.70
 GEC2 3.06 210 ePn 05 43.00 0.3
 0.4s 2.44nm

10d 22h

GRF 3.57 241 ePn 05 50.00 0.3
ePg 06 01.30
eSg 06 48.20
S.D. = 0.4 on 9 of 10 obs.

SEP 10, 1993 22h 37m 24.71± 0.64s
14.463 N ± 8.5km 92.698 W ± 5.1km
DEPTH = 70.7 ± 4.5 km
4.7mb (25 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.6 (GCG).

TPX	0.61	44	iPc	37	38.33	-0.5
			iS	37	45.30	
TER	1.96	94	eP	37	55.04	-1.4
			eS	38	21.56	
PCG	2.03	92	ePd	37	57.80	0.2
GCG	2.10	86	iPc	38	00.02	1.5
			eS	38	28.51	
IXG	2.19	97	ePc	38	00.25	0.5
			eS	38	28.96	
SCX	2.26	2	iP	38	02.22	1.7
			iS	38	31.39	
YUP	2.82	95	ePc	38	09.23	0.7
OXX	4.67	304	iP	38	33.47	-1.1
			iS	39	21.00	
LVM	6.35	326	(P)	38	52.50	-5.3X
			(S)	40	07.50	
IIT	7.03	311	(P)	39	07.47	0.0
			(S)	40	16.27	
PPM	7.29	310	iP	39	10.10	-1.2
			(S)	40	02.48	
ACX	7.30	290	(P)	39	39.68	28.7X
IIA	7.37	310	iP-	39	12.13	0.3
			iS	40	20.55	
III	7.57	302	iP	39	13.56	-1.3
			(S)	40	23.50	
MRX	9.65	304	(P)	39	42.00	-1.2
LTX	17.94	327	eP	41	30.98	-0.1
MIAR	20.01	358	eP	41	52.78	-1.5
	1.0s				84.61nm	5.0mb
MEO	20.92	346	iPd	42	02.30	-1.3
MYNC	21.93	19	eP	42	13.80	0.1
	1.3s				82.65nm	5.0mb
ACO	22.88	347	iPd	42	24.20	1.2
ELC	22.94	7	(P)	42	22.56	-1.0
TUC	24.25	320	eP	42	38.97	2.6
	1.1s				43.29nm	4.8mb
CEH	24.58	27	eP	42	38.91	-0.5
	0.4s				20.47nm	4.9mb
PV08	27.85	333	eP	43	11.11	1.2
PV10	27.86	332	eP	43	10.17	0.2
PV09	28.00	332	eP	43	12.55	1.2
PLM	28.89	315	eP	43	19.73	0.5
PEC	29.40	315	eP	43	24.21	0.6
	1.0s				16.95nm	4.7mb
ARUT	29.64	325	eP	43	27.10	1.2
EMUT	29.84	331	eP	43	27.61	-0.1
RSSD	31.10	344	eP	43	39.03	0.3
	0.8s				5.03nm	4.3mb
HHAI	33.33	333	eP	43	58.43	0.4
LRM	35.42	336	ePc	44	16.90	0.8
ULM	35.78	357	eP	44	20.00	1.2
KMPM	37.68	319	eP	44	35.92	0.9
FHC	37.81	320	eP	44	37.92	1.9
	0.9s				31.22nm	5.2mb
LPAZ	39.02	141	P	44	57.30	10.3X
LPB	39.23	141	eP	45	08.00	19.5X
CNCB	39.51	141	P	44	58.00	7.0X
LON	40.34	329	eP	44	57.55	0.6
SIV	43.50	133	P	45	23.00	-0.1
YKA	50.42	347	eP	46	16.80	0.0
	0.9s				20.40nm	5.2mb
BAO	53.35	122	eP	46	40.00	0.5
			i	46	49.80	
INK	59.81	344	eP	47	24.50	-0.1
	1.0s				5.00nm	4.6mb
RES	60.23	359	eP	47	20.00	-7.3X
	1.0s				6.00nm	4.7mb
KLU	60.26	334	eP	47	28.25	0.3
PMR	61.70	333	eP	47	36.71	-0.8
	0.8s				9.83nm	5.0mb
SLKM	61.77	332	eP	47	37.38	-0.7
FBA	62.55	337	eP	47	42.58	-0.6
	0.8s				5.62nm	4.7mb
CRP	62.92	332	eP	47	45.25	-0.6
SVW	64.46	331	eP	47	54.69	-1.1

TTA 0.8s 16.16nm 5.0mb
65.18 333 eP 47 59.04 -1.4
0.9s 6.53nm 4.6mb

EKA 77.99 36 Pc 49 16.10 -0.7
1.1s 9.40nm 4.6mb

GRR 80.54 42 eP 49 30.80 0.1
0.8s 7.00nm 4.6mb

FLN 80.72 42 eP 49 31.50 -0.1
1.0s 9.00nm 4.7mb

LDF 80.98 42 eP 49 33.00 -0.1
0.9s 8.50nm 4.7mb

BGF 83.39 44 eP 49 44.30 -1.3
0.8s 5.65nm 4.6mb

AVF 83.68 43 eP 49 46.50 -0.5
0.9s 3.75nm 4.4mb

SSF 83.71 43 eP 49 46.10 -1.1
1.0s 7.20nm 4.6mb

LOR 83.89 43 eP 49 47.30 -0.8
1.0s 6.00nm 4.6mb

SMF 84.04 43 eP 49 47.70 -1.2
NB2 84.06 28 P 49 47.60 -1.1

HAU 85.32 42 eP 49 55.50 0.2
0.8s 4.45nm 4.6mb

GEC2 89.68 39 ePKP 50 17.20 0.8
1.1s 1.87nm 4.2mb

WRA 134.85 256 PKP 56 39.50 1.5
0.7s 1.30nm

LOE 145.28 335 ePKP 56 56.80 0.0
BDT 146.45 339 ePKP 56 59.00 0.3

HYB 147.17 16 ePKP 57 02.50 2.6X
NST 147.48 337 ePKP 57 04.00 3.6X

GBA 150.45 20 PKP 57 07.00 2.0X
S.D. = 1.0 on 61 of 70 obs.

* SEP 10, 1993 22h 45m 08.26± 2.22s
46.081 N ±18.4km 2.885 E ± 5.6km

DEPTH = 10.0km (geophysicist)
FRANCE (538)

ML 1.8 (LDG).

MAF 0.26 302 Pg 45 14.20 0.4
Sg 45 18.30

BGF 0.48 357 Pg 45 17.90 -0.1
Sg 45 24.00

TCF 0.51 294 Pg 45 18.30 -0.4
Sg 45 26.20

AVF 0.78 24 Pg 45 23.40 0.0
Sg 45 32.80

SMF 0.87 49 Pg 45 24.80 -0.2
Sg 45 36.00

SSF 1.07 23 Pg 45 28.20 -0.2
Sg 45 42.00

LBF 1.18 39 Pg 45 30.40 0.1
Sg 45 45.60

LOR 1.36 29 Pg 45 33.60 0.3
Sg 45 50.80

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

* SEP 10, 1993 23h 17m 18.56± 1.84s
14.962 N ±35.7km 92.683 W ±23.9km

DEPTH = 33.0km (normal)
4.3mb (4 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

PCG 2.09 105 eP 17 53.19 1.0
eS 18 20.99

GCG 2.11 100 eP 17 53.42 1.0
eS 18 28.21

IXG 2.30 110 ePd 17 53.63 -1.4
eS 18 26.06

YUP 2.89 105 ePd 18 03.67 0.2
LTX 17.53 326 eP 21 24.11 1.9

MIAR 19.52 358 eP 21 45.68 -0.5
0.9s 12.58nm 4.2mb

ALQ 23.44 331 eP 22 26.82 0.8
0.9s 4.25nm 4.0mb

TUC 23.88 319 eP 22 31.11 0.9
0.9s 11.60nm 4.4mb

MSU 29.09 327 (P) 23 18.85 0.3
ARUT 29.24 325 eP 23 18.59 -1.3

LRM 34.97 336 eP 24 09.70 -0.3
YKA 49.94 347 eP 26 09.80 -1.2

0.7s 4.20nm 4.6mb
INK 59.33 344 eP 27 18.00 -1.4

GBA 149.98 19 PKP 37 05.00 2.1X
S.D. = 1.2 on 13 of 14 obs.

SEP 10, 1993 23h 23m 36.18± 0.73s
14.324 N ± 7.2km 93.030 W ± 5.3km
DEPTH = 51.8 ± 5.8 km
4.8mb (32 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 0.94 52 iPd 23 54.73 1.4
iS 24 04.59

PCG 2.35 88 eP 24 12.74 -0.6
iS 24 55.79

SCX 2.43 9 iP 24 17.71 3.5X
iS 24 51.09

IXG 2.50 93 eP 24 15.05 -0.3
YUP 3.13 92 eP 24 24.57 0.1

OXX 4.49 308 iP 24 42.19 -1.4
LVVM 6.30 329 (P) 25 09.21 0.4

IIT 6.88 313 iP 25 17.71 0.4
(S) 26 49.61

PPM 7.14 312 iPd 25 21.18 0.1
IIA 7.22 312 iP 25 21.79 0.1

III 7.38 304 iP 25 22.39 -1.7
MRX 9.46 306 iP 25 52.59 -0.1

LTX 17.89 328 eP 27 42.17 -0.9
MIAR 20.14 359 eP 28 06.74 -2.0

1.2s 107.86nm 5.1mb
MEO 20.98 347 iPc 28 16.70 -0.7

OCO 21.49 350 iPc 28 25.10 2.7
TUL 21.64 354 iP 28 25.30 1.4

MYNC 22.16 20 eP 28 26.04 -3.2X
2.2s 165.28nm 5.1mb

SDV 22.59 101 eP 28 35.00 1.3
ACO 22.94 347 iPc 28 38.00 1.2

ELC 23.12 8 (P) 28 36.84 -1.6
TOV 23.16 99 eP 28 41.00 1.8

FVM 23.68 5 eP 28 43.12 -0.8
0.6s 50.52nm 5.2mb

ALQ 23.83 332 eP 28 46.56 0.9
2.8s 130.47nm 4.9mb

TUC 24.15 321 eP 28 50.90 2.2
1.2s 35.92nm 4.8mb

CEH 24.85 28 eP 28 53.72 -1.5
0.7s 16.19nm 4.7mb

GLA 27.21 317 eP 29 17.43 0.2
GOL 27.51 339 eP 29 20.30 0.2

1.4s 83.73nm 5.2mb
ePcP 32 37.47

PV08 27.82 333 eP 29 23.95 0.9
MSU 29.45 328 eP 29 37.73 0.2

ePcP 32 41.93
ARUT 29.57 326 eP 29 39.43 0.8

EMUT 29.81 332 eP 29 41.24 0.5
RSSD 31.15 345 eP 29 52.54 0.0

0.7s 10.52nm 4.7mb
BW06 31.73 337 eP 29 56.32 -1.3

1.2s 9.29nm 4.5mb
HVU 32.27 332 eP 30 02.48 0.2

HHAI 33.31 334 eP 30 11.77 0.5
RSNY 33.99 24 eP 30 15.37 -1.6

0.9s 12.04nm 4.8mb
JEGM 34.88 317 (P) 30 25.15 0.5

LRM 35.41 336 eP 30 30.20 0.8
ULM 35.90 357 eP 30 34.50 1.3

LBFM 36.78 323 eP 30 40.89 0.0
ePcP 33 02.68

LPAZ 39.12 140 eP 31 00.00 -1.3
LPB 39.32 140 eP 31 05.00 2.3

CNCB 39.61 141 P 31 06.00 0.8
LON 40.30 329 eP 31 10.60 0.6

CCH 41.20 139 P 31 14.40 -3.6X
SIV 43.64 132 P 31 23.00 -14.7X

SIV 43.64 132 P 31 36.00 -1.7
YKA 50.49 347 eP 32 30.70 0.0

0.9s 35.00nm 5.4mb
BAO 53.55 122 Pc 32 53.80 -0.7

SOB1 56.75 111 eP 33 16.20 -1.4
INK 59.85 344 ePd 33 38.70 0.3

0.9s 7.00nm 4.8mb
KLU 60.25 334 eP 33 41.48 0.1

ePcP 34 25.92
RES 60.37 359 eP 33 41.00 -0.8

1.0s 10.00nm 4.9mb
SLKM 61.74 332 eP 33 49.80 -1.6

FBA 62.56 337 eP 33 55.70 -1.1
0.9s 7.14nm 4.8mb

TTA 65.16 333 eP 34 12.46 -1.5
0.9s 6.28nm 4.6mb

FLN	81.04	42 eP	35 46.30	-0.7		iS	01 21.05		0.8s	17.97nm	4.7mb		
	0.8s	4.05nm		4.4mb	OXX	4.35 309 (P)	01 16.00	0.6	GOL	27.64 339 eP	36 34.44 -0.5		
LDF	81.30	42 eP	35 47.70	-0.7	LVMV	6.19 330 (P)	01 38.54	-2.7		1.2s	36.91nm	4.9mb	
	1.2s	17.55nm		4.9mb	ACX	6.89 292 (P)	02 30.86	39.8X	PV08	27.97 333 eP	36 37.74 -0.3		
LFF	82.66	46 eP	35 54.80	-0.7	PPM	7.00 313 (P)	01 44.55	-8.5X	PV10	27.98 332 eP	36 37.35 -0.7		
	0.8s	7.50nm		4.8mb	IIT	7.08 313 iP	01 56.59	2.9	PV09	28.12 332 eP	36 38.85 -0.5		
LPO	83.03	46 eP	35 57.20	-0.3		(S)	03 39.62		ARUT	29.73 326 eP	36 53.56 -0.1		
	1.3s	15.90nm		4.9mb	III	7.23 304 iP	01 56.58	0.6	DAU	30.64 332 eP	37 01.92 0.1		
TCF	83.35	44 eP	35 58.90	-0.3	MRX	9.32 306 (P)	02 24.05	-0.7	RSSD	31.28 344 (P)	37 06.23 -1.0		
	1.2s	10.10nm		4.7mb	LTX	17.78 329 eP	04 16.70	0.3		0.6s	3.31nm	4.3mb	
MAF	83.61	44 eP	36 00.20	-0.2	MIAR	20.10 359 eP	04 41.32	-2.1	BW06	31.87 336 eP	37 10.78 -1.8		
	1.1s	6.85nm		4.6mb		1.4s	32.77nm	4.5mb		1.0s	7.81nm	4.5mb	
AVF	84.00	43 eP	36 01.00	-1.3	ALQ	23.73 332 eP	05 19.77	-0.2	HVV	32.42 332 eP	37 17.40 0.2		
	1.2s	8.05nm		4.6mb		0.9s	4.40nm	4.0mb	BONR	32.65 321 (P)	37 20.54 1.0		
SSF	84.03	43 eP	36 01.60	-0.9	TUC	24.02 321 eP	05 24.08	1.4	LRM	35.55 336 eP	37 44.20 -0.1		
	0.8s	2.70nm		4.3mb		1.3s	29.76nm	4.7mb	ULM	36.00 357 eP	37 49.00 1.3		
LOR	84.21	43 eP	36 02.80	-0.7	ARUT	29.45 326 eP	06 13.15	0.2	LBFM	36.94 323 eP	37 55.20 -0.8		
	0.8s	2.70nm		4.3mb	EMUT	29.70 332 (P)	06 14.64	-0.6	LPZ	38.96 140 eP	38 12.00 -1.6		
NB2	84.34	28 P	36 04.80	1.0	LRM	35.32 336 eP	07 03.50	-0.6	LPB	39.16 140 eP	38 19.00 3.9X		
	1.1s	19.50nm		5.1mb	LBFM	36.66 323 eP	07 14.81	-0.6	CNCB	39.45 141 eP	38 20.00 2.4		
SMF	84.36	43 eP	36 03.10	-1.1	YKA	50.42 347 eP	09 03.70	-2.1	LON	40.45 329 eP	38 24.96 -0.1		
	0.7s	1.75nm		4.2mb		0.8s	7.80nm	4.8mb	SIV	43.47 133 P	38 49.20 -0.8		
LBF	84.36	43 eP	36 03.40	-0.8	HYB	147.39 15 ePKP	19 50.50	0.4	YKA	50.61 347 eP	39 44.20 -1.3		
HAU	85.64	42 eP	36 10.30	-0.3	GBA	150.71 19 PKP	20 01.00	5.8X		0.9s	14.70nm	5.0mb	
	0.9s	11.45nm		5.1mb		S.D. = 1.6	on 17 of 20 obs.		SOB1	56.58 111 eP	40 29.20 -1.1		
HFS	85.80	29 ePKP	36 11.30	0.2		% SEP 11, 1993 00h 08m 15.33± 2.48s			INK	59.98 344 eP	40 52.50 -0.7		
	0.6s	1.00nm		4.2mb		39.312 N ±18.2km 20.466 E ±15.1km				1.0s	8.00nm	4.8mb	
BSF	85.97	42 eP	36 12.40	0.0		DEPTH = 10.0km (geophysicist)			KLU	60.39 334 eP	40 55.24 -1.0		
	0.7s	4.65nm		4.8mb		GREECE-ALBANIA BORDER REGION (392)			PMR	61.82 333 eP	41 04.44 -1.4		
CDF	86.11	41 eP	36 13.10	0.1		ML 2.6 (THE).			FBA	62.70 337 eP	41 09.82 -1.8		
	1.1s	9.50nm		4.9mb	IGT	0.24 335 ePg	08 19.84	-0.7		0.9s	5.11nm	4.7mb	
GRF	88.17	39 eP	36 26.40	3.6X		iSg	08 24.08		BDT	146.60 339 ePKP	50 37.00 10.0X		
BRG	89.38	37 eP	36 30.40	1.9	AGG	1.48 101 iPB	08 42.73	0.7	HYB	147.44 15 ePKP	50 30.00 1.0		
KHC	89.81	39 eP	36 32.00	1.4		eSb	09 03.04		GBA	150.73 20 PKPd	50 39.00 5.5X		
	1.0s	3.50nm		4.6mb	FNA	1.63 25 ePb	08 44.92	0.8		S.D. = 1.3	on 46 of 50 obs.		
GEC2	89.99	39 eP	36 31.80	0.2		iSb	09 07.40			SEP 11, 1993 01h 24m 57.24± 0.39s			
	0.9s	3.07nm		4.6mb	LIT	1.75 63 ePb	08 45.52	-0.4		14.366 N ± 7.3km 93.069 W ± 6.0km			
	e		36 42.60			eSb	09 11.28			DEPTH = 30.1km (9 depth phases)			
PRU	90.06	38 P	36 33.50	1.7	OHR	1.82 8 ePn	08 47.70	0.8		5.0mb (26 obs.) 4.8Msz (15 obs.)			
ZST	92.32	39 eP	36 43.90	1.7	GRG	2.21 41 ePn	08 52.80	0.1		NEAR COAST OF CHIAPAS, MEXICO (69)			
WMQ	122.14	359 ePKP	42 27.00	0.1	PAIG	2.56 75 ePn	08 56.52	-1.0		MD 4.5 (GCG).			
KSH	125.53	10 PKP	42 35.00	1.3	KNT	2.62 44 ePn	08 58.40	-0.1	TPX	0.95 55 iPc	25 16.66	2.2	
XAN	127.56	337 PKP	42 37.50	-0.2	SOH	2.68 55 ePn	08 59.04	-0.3	SCX	2.39 10 iP	25 39.48	4.3X	
WRA	134.50	256 PKP	42 52.20	1.0		eSn	09 33.64			iS	26 13.33		
	0.8s	0.80nm				S.D. = 0.8	on 9 of 9 obs.		GCG	2.47 85 eP	25 37.82	1.4	
CHTO	145.02	340 ePKP	43 09.10	-1.1		SEP 11, 1993 00h 30m 47.94± 0.59s			IXG	2.54 94 eP	25 37.36	-0.1	
	1.1s	20.61nm				14.233 N ± 9.1km 92.880 W ± 6.6km			YUP	3.17 93 eP	25 46.48	0.1	
LOE	145.27	335 ePKP	43 10.10	-0.5		DEPTH = 33.0km (normal)			OXX	4.44 308 iP	26 05.35	0.9	
BDT	146.46	339 ePKP	43 12.00	-0.6		4.8mb (12 obs.)				(S)	27 03.26		
HYB	147.39	15 ePKP	43 17.00	2.9X		NEAR COAST OF CHIAPAS, MEXICO (69)			LVMV	6.24 329 (P)	26 28.97	-0.8	
NST	147.48	336 ePKP	43 17.00	2.8X		MD 4.9 (GCG).				(S)	27 44.50		
GBA	150.69	19 PKPd	43 25.60	6.4X	TPX	0.90 42 iPc	31 05.74	1.6		IIT	6.83 313 (P)	26 41.73 3.5X	
	0.8s	7.00nm			GCG	2.30 81 eP	31 25.51	1.0		PPM	7.08 312 iP	26 44.27 2.2	
S.D. = 1.1	on 81 of 89 obs.				IXG	2.35 91 eP	31 26.28	1.0		III	7.32 304 iP	26 45.40 0.3	
SEP 10, 1993 23h 45m 29.99± 1.17s						eS	31 59.40			MRX	9.41 305 iP	27 14.75 0.9	
14.188 N ±14.3km 92.842 W ± 9.0km					SCX	2.50 5 iP	31 29.87	2.7		LTX	17.83 328 eP	29 05.36 0.4	
DEPTH = 33.0km (normal)						iS	32 01.79			MIAR	20.10 359 eP	29 33.46 2.1	
4.5mb (1 obs.)					YUP	2.99 90 eP	31 35.60	1.4			1.7s	250.14nm	5.3mb
NEAR COAST OF CHIAPAS, MEXICO (69)					OXX	4.66 308 iP	31 58.78	0.7	MEO	20.93 347 iPc	29 39.00	-1.0	
TPX	0.91	38 iPd	45 46.47	0.1		(S)	32 57.01		BOG	21.08 115 eP	29 44.00	2.0	
		iS	45 58.50							eS	33 42.00		
GCG	2.27	80 eP	46 09.49	3.3X	LVMV	6.45 329 iP	32 22.44	-0.7	OCO	21.44 350 iPc	29 47.20	2.1	
IXG	2.32	90 eP	46 07.12	0.4		(S)	33 31.50		TUL	21.59 354 iP	29 47.60	1.0	
		eS	46 41.45		IIT	7.05 313 iP	32 35.71	3.9X	MYNC	22.14 20 eP	29 52.38	0.3	
SCX	2.54	4 iP	46 09.57	-0.2	PPM	7.31 312 iPd	32 37.52	1.9		2.2s	213.68nm	5.2mb	
		iS	46 40.84		IIT	7.39 312 iP	32 37.76	1.6	ACO	22.89 347 iPd	30 01.10	1.5	
YUP	2.95	89 eP	46 15.67	-0.1	III	7.55 304 iP	32 40.13	1.4	ELC	23.08 8 eP	30 00.37	-1.0	
OXX	4.72	308 (P)	47 24.50	43.6X	MRX	9.63 306 iP	33 08.82	1.4	ALQ	23.78 332 ePc	30 08.17	-0.2	
MRX	9.69	306 (P)	47 50.59	0.4	LTX	18.04 328 eP	34 58.13	0.2		2.8s	374.66nm	5.4mb	
YKA	50.66	347 eP	54 22.70	-5.2X	MIAR	20.23 358 eP	35 20.92	-2.2	TUC	24.09 321 ePc	30 12.85	1.5	
	0.9s	5.20nm		4.5mb		1.2s	76.82nm	4.9mb		2.0s	234.88nm	5.4mb	
HYB	147.47	15 ePKP	05 10.00	-0.5		eS	38 56.75			e	30 22.66	36km	
GBA	150.76	20 PKP	05 20.00	4.4X	MEO	21.10 347 iPd	35 30.60	-1.4	CEH	24.83 28 ePc	30 16.99	-1.3	
S.D. = 0.4	on 6 of 10 obs.				MEO	21.10 347 iPd	35 30.70	-1.3		1.2s	62.10nm	5.1mb	
OCO	21.60	350 iPc	35 37.90	0.8		21.60 350 iPc	35 37.90	0.8	Z	19s	2.79um	4.8Msz	
TUL	21.74	354 iP	35 39.10	0.6		TUL	21.74 354 iP	35 39.10	GLA	27.16 317 eP	30 39.92	-0.1	
MYNC	22.20	19 eP	35 42.38	-0.7		MYNC	22.20 19 eP	35 42.38	GLD	27.45 339 eP	30 42.95	0.2	
	0.9s	23.34nm		4.6mb			0.9s	23.34nm		1.7s	55.59nm	5.0mb	
ACO	23.06	347 iPd	35 51.70	0.1						e	32 42.95		
ALQ	23.98	332 eP	36 01.42	0.7					GOL	27.45 339 ePc	30 42.62	-0.3	
	1.4s	23.23nm		4.5mb						1.5s	96.85nm	5.2mb	
TUC	24.31	321 eP	36 04.53	0.8					Z	18s	0.63um	4.2Msz	
	2.0s	81.18nm		4.9mb						e	30 50.83	29km	
CEH	24.86	27 eP	36 06.55	-2.4					CBN	27.52 27 e(P)	30 41.00	-2.1	

LIC	86.59	84 P	37 39.18	-0.4
	1.2s	14.50nm		5.1mb
KIC	86.83	84 P	37 40.34	-0.5
	1.2s	29.00nm		5.4mb
GRF	88.16	39 e(P)	37 47.00	0.4
Z	20s	0.30um		4.7MsZ
GEC2	89.98	39 ePKP	37 50.10	-5.2X
	1.1s	2.22nm		4.3mb
		e	37 55.10	16kmX
		e	38 01.40	
		e	38 07.60	
KKN	138.07	2 PKP	44 21.40	-0.6
DMN	138.24	2 PKP	44 24.20	1.8
CHTO	144.97	340 ePKP	44 31.70	-2.3
LOE	145.22	335 ePKP	44 33.00	-1.5
BDT	146.41	339 ePKP	44 38.00	1.6
HYB	147.36	15 ePKP	44 38.60	0.6
GBA	150.66	19 PKP	44 45.00	1.9
	S.D. = 1.2	on 74	of 89 obs.	

? SEP 11, 1993	01h 43m 32.10± 1.60s			
	7.459 S ± 8.3km	127.789 E	±12.3km	
	DEPTH = 149.5 ± 19.7 km			
	4.9mb (4 obs.)			
BANDA SEA			(280)	
SLKI	3.52	99 iPc	44 55.00	28.3X
TLE	5.25	70 ePc	44 51.20	1.5
		iS	45 44.00	
MTN	6.28	149 eP	45 03.00	-0.6
	0.3s	272.00nm		6.0mb X
KNA	8.29	173 iPd	45 29.90	-0.7
	0.2s	70.00nm		5.9mb X
		eS	46 55.00	
WB2	13.95	154 iPc	46 40.60	-3.9X
		eS	49 00.10	
MBL	15.64	209 eP	47 05.50	-0.2
	0.3s	6.00nm		4.4mb
		eS	49 40.00	
ASPA	17.15	161 eP	47 23.10	-1.2
		eS	50 25.30	
QIS	17.33	140 iPc	47 25.70	-0.8
		eS	50 27.00	
NANU	19.10	217 eP	47 47.00	1.2
	0.4s	14.00nm		4.7mb
		e	47 50.00	
MEEK	20.97	203 eP	48 05.00	0.1
CTA	21.86	127 eP	48 15.00	1.3
FORT	23.20	179 eP	48 27.00	0.4
BAL	25.26	203 eP	48 47.00	0.9
MAT	44.85	12 eP	51 31.00	-2.0
GUN	53.63	313 P	52 41.00	0.3
	0.6s	34.00nm		5.4mb
KKN	54.00	312 P	52 42.60	-0.7
	0.6s	23.00nm		5.2mb
DMN	54.02	312 P	52 44.00	0.4
PPD	150.68	182 (PKP)	03 09.00	6.1X
CNCB	151.28	147 PKP	03 12.80	8.2X
LPB	151.45	147 ePKP	03 13.00	8.3X
LPAP	151.63	146 PKP	03 12.00	6.8X
	S.D. = 1.1	on 15	of 21 obs.	

% SEP 11, 1993	02h 01m 08.26± 1.50s			
	36.628 N ±11.0km	5.828 W	±10.5km	
	DEPTH = 10.0km	(geophysicist)		
STRAIT OF GIBRALTAR			(385)	
	mbLg 2.1 (MDD).			
EJIF	0.34	121 eP	01 15.20	-0.1
		eS	01 20.00	
EPRU	0.59	55 eP	01 20.50	0.4
		eS	01 29.20	
EVAL	1.20	323 eP	01 30.80	0.1
		eS	01 47.20	
EHOR	1.28	21 eP	01 31.70	-0.3
		eS	01 49.00	
ELUQ	1.56	53 eP	01 36.00	-0.1
		eS	01 55.70	
	S.D. = 0.3	on 5	of 5 obs.	

* SEP 11, 1993	02h 02m 18.99± 0.85s			
	8.823 S ±12.9km	106.210 E	±12.9km	
	DEPTH = 33.0km (normal)			
	5.0mb (5 obs.)	4.6MsZ (1 obs.)		
SOUTH OF JAWA, INDONESIA			(282)	
LEM	2.42	35 iPc	02 58.70	1.4

WB2	29.36	115	iPc	03	31.00	
	0.5s		3.10nm	08	21.70	0.3
GBA	36.23	308	P	09	22.00	0.9
STK	40.04	130	eP	09	52.80	0.0
	3.2s		1.30nm			3.1mb X
GUN	41.48	332	P	10	05.40	0.3
	0.6s		65.00nm			5.5mb
DMN	41.58	331	P	10	06.20	0.4
	0.6s		34.00nm			5.3mb
KKN	41.65	332	P	10	06.40	0.0
SSE	42.21	19	P	10	09.50	-1.0
LZH	44.72	357	eP	10	30.00	-1.1
	1.2s		18.00nm			4.8mb
Z	18s		0.63um			4.6Msz
N	15s		0.52um			
			sP	10	39.00	
BJI	49.48	10	eP	11	07.00	-1.2
	1.0s		11.00nm			4.8mb
	S.D. = 1.0	on	10 of	10 obs.		

?	SEP	11,	1993	02h	24m	18.46± 2.15s
	14.655	N	±35.1km	92.547	W	±21.7km
	DEPTH =	33.0km	(normal)			
	4.2mb	(6 obs.)			
	NEAR COAST OF CHIAPAS, MEXICO					(69)
	MD	4.4	(GCG).			
GCG	1.95	92	eP	24	52.26	2.2
IXG	2.08	103	eP	24	51.60	-0.3
			eS	25	18.13	
YUP	2.70	99	eP	25	00.36	-0.3
LTX	17.86	327	eP	28	27.39	1.2
UYO	19.50	355	iPd	28	45.60	-0.3
MIAR	19.83	357	eP	28	49.29	-0.1
	0.8s		10.13nm			4.2mb
MEO	20.77	346	iPd	28	58.60	-0.6
ALQ	23.77	331	eP	29	29.20	0.1
			pP	29	33.70	16kmX
TUC	24.20	320	(P)	29	34.26	1.1
	1.0s		6.45nm			4.1mb
GOL	27.37	338	(P)	30	04.22	1.2
	1.1s		6.49nm			4.2mb
PV10	27.76	331	eP	30	06.90	0.3
PV09	27.91	331	eP	30	08.34	0.4
BW06	31.62	336	(P)	30	40.73	-0.1
	1.2s		3.06nm			4.0mb
YKA	50.27	347	eP	33	11.50	-1.9
	0.9s		4.50nm			4.5mb
NSD	85.46	23	eP	36	50.80	-3.0
	0.4s		0.60nm			4.1mb
	S.D. = 1.4	on	15 of	15 obs.		

?	SEP	11,	1993	02h	52m	41.81± 0.79s
	15.327	N	±16.4km	92.568	W	±14.7km
	DEPTH =	33.0km	(normal)			
	4.1mb	(3 obs.)			
	MEXICO-GUATEMALA BORDER REGION					(62)
TPX	0.51	145	iP	52	54.12	1.5
			iS	53	06.63	
SCX	1.40	357	iP	53	17.12	11.9X
			iS	53	47.20	
GCG	2.10	110	eP	53	19.77	4.2X
IXG	2.34	119	eP	53	16.77	-2.2
			eS	53	50.75	
YUP	2.90	112	eP	53	26.77	-0.1
OXX	4.36	294	iP	53	46.22	-1.4
PPM	6.88	304	iP	54	24.18	0.6
LTX	17.29	326	eP	56	43.48	1.0
UYO	18.84	355	iPd	57	10.00	8.6X
MIAR	19.16	357	eP	57	06.69	1.4
	0.9s		6.89nm			3.9mb
ALQ	23.18	330	eP	57	46.10	-0.7
			pP	57		

MD 4.6 (GCG).						OCO						1.2s 23.26nm 5.2mb					
TPX	1.03	45	iP	03 00.41	-0.5	TUL	21.52	349	iPd	32 31.40	0.9	Z	20s	0.50um	4.7msz		
			iS	03 20.33		MYNC	21.65	353	iP	32 35.10	3.4X	SLKM	61.92	332 eP	37 59.69 -1.1		
GCG	2.44	80	eP	03 21.76	0.4		0.8s	31.60nm		4.8mb		FBA	62.70	337 ePc	38 04.23 -1.6		
GCG	2.44	80	eP	03 23.01	1.7X	ACO	23.00	346	iPd	32 46.20	1.0		0.9s	5.81nm	4.7mb		
IXG	2.48	90	eP	03 21.98	0.1	ELC	23.01	7	eP	32 46.88	1.7	CRP	63.07	332 eP	38 43.27		
			eS	03 55.23		FVM	23.59	4	(P)	32 50.78	-0.1	SVW	64.61	331 eP	38 17.45 -1.0		
SCX	2.57	8	eP	03 23.43	0.5		0.9s	10.50nm		4.4mb			0.9s	17.08nm	5.1mb		
			iS	03 55.21		ALQ	24.02	331	eP	32 56.73	1.5	TTA	65.33	333 ePc	38 21.48 -1.6		
YUP	3.12	89	eP	03 30.73	-0.2		1.3s	36.00nm		4.7mb			1.0s	5.42nm	4.6mb		
OXX	4.59	309	(P)	04 05.68	13.8X	TUC	24.41	320	eP	32 59.90	1.0	EKA	77.98	36 Pc	39 38.10 -0.5		
III	7.47	305	(P)	04 32.80	0.4	CEH	24.60	27	eP	33 00.72	0.2		0.8s	10.10nm	4.9mb		
PV08	27.96	333	(P)	08 31.96	-0.8		0.8s	23.31nm		4.8mb		LPF	80.46	43 eP	39 51.10 -1.1		
S.D. = 0.6 on 7 of 9 obs.					Z	18s	2.53um		4.7msz		GRR	80.52	42 eP	39 51.70 -0.8			
? SEP 11, 1993 03h 10m 57.96± 0.72s					CBN	27.28	27	e(P)	33 26.00	0.5		1.0s	18.40nm	5.0mb			
15.156 N ±13.0km 92.615 W ± 9.5km					GLA	27.50	316	eP	33 27.70	0.1	FLN	80.69	42 eP	39 52.60 -0.8			
DEPTH = 33.0km (normal)					GLD	27.62	339	eP	33 29.49	0.6		1.3s	41.15nm	5.3mb			
4.2mb (5 obs.)					GOL	27.63	338	ePd	33 29.47	0.4	Z	22s	0.38um	4.7msz			
MEXICO-GUATEMALA BORDER REGION (62)						1.0s	37.81nm		5.0mb		LDF	80.96	42 eP	39 53.20 -1.6			
SCX	1.57	359	iP	11 53.50	29.7X	PV08	28.00	332	eP	33 32.79	0.4		1.2s	18.45nm	5.0mb		
GCG	2.09	105	eP	11 36.07	4.5X	PV10	28.01	332	eP	33 32.17	-0.3	LSF	82.55	44 eP	40 02.00 -1.2		
IXG	2.31	115	eP	11 34.46	-0.1	PV09	28.15	332	eP	33 33.60	-0.2		1.0s	7.80nm	4.7mb		
			eS	11 59.99		PLM	29.06	315	ePc	33 41.67	-0.2	TCF	83.00	44 eP	40 04.40 -1.1		
YUP	2.88	109	eP	11 43.08	0.3	PEC	29.57	315	eP	33 46.79	0.5		0.9s	3.60nm	4.5mb		
OXX	4.39	296	iP	12 04.86	0.6	MSU	29.65	328	eP	33 47.75	0.5	MAF	83.25	44 eP	40 05.90 -0.9		
LVVM	5.84	322	(P)	12 20.36	-4.2X	ARUT	29.80	325	eP	33 49.27	0.8	BGF	83.36	44 eP	40 06.50 -0.9		
IIT	6.66	306	(P)	12 51.79	15.4X	EMUT	29.99	331	eP	33 50.53	0.3		1.0s	15.40nm	5.1mb		
PPM	6.94	305	iP	12 40.88	0.4	YSNY	30.51	21	P	34 00.00	5.5X	AVF	83.64	43 eP	40 08.10 -0.7		
ACX	7.17	285	(P)	13 07.04	23.8X		Z	20s	1.95um	4.8msz			0.9s	7.20nm	4.8mb		
III	7.30	297	(P)	12 42.00	-3.3X	DAU	30.67	331	eP	33 56.63	0.3	SSF	83.68	43 eP	40 07.90 -1.1		
LTX	17.41	326	eP	15 00.79	0.7	BINY	31.21	24	P	34 10.00	9.3X		0.8s	6.30nm	4.8mb		
UYO	19.00	355	iPc	15 21.00	1.4		Z	19s	1.04um	4.5msz		LOR	83.86	43 eP	40 09.10 -0.8		
MIAR	19.33	358	eP	15 23.71	0.3	RSSD	31.23	344	eP	34 01.03	0.0		1.0s	8.80nm	4.9mb		
	1.0s	12.93nm		4.1mb			0.8s	5.90nm		4.5mb	Z	23s	0.28um	4.6mszX			
MEO	20.27	346	iPd	15 33.30	-0.2	DUG	31.25	329	(P)	34 00.32	-0.9	LBF	84.01	43 eP	40 09.50 -1.2		
ALQ	23.30	330	eP	16 04.03	-0.1		1.4s	8.76nm		4.4mb	NB2	84.08	28 P	40 11.20 0.5			
	0.8s	3.18nm		3.9mb		ISA	31.47	317	P	34 10.00	6.9X		1.0s	4.80nm	4.6mb		
TUC	23.77	319	eP	16 08.24	-0.3		Z	18s	0.90um	4.5msz	HAU	85.29	42 eP	40 16.50 -0.6			
	1.1s	13.43nm		4.4mb		BW06	31.87	336	eP	34 06.27	-0.5		0.7s	5.50nm	4.9mb		
GOL	26.88	338	(P)	16 38.22	0.2		1.8s	23.33nm		4.8mb	Z	24s	0.28um	4.6mszX			
	0.8s	4.91nm		4.2mb		LSCT	31.96	28	P	34 20.00	12.8X	BSF	85.63	42 eP	40 18.10 -0.8		
PV08	27.28	332	eP	16 41.18	-0.5		Z	19s	2.21um	4.9msz			0.8s	3.35nm	4.6mb		
PV10	27.30	331	eP	16 40.38	-1.4	BONR	32.75	321	eP	34 15.16	0.6	CDF	85.77	41 eP	40 19.00 -0.5		
LRM	34.82	335	eP	17 47.50	-0.6	PTI	33.13	333	eP	34 18.57	1.0	TIC	85.99	84 P	40 23.19 2.0		
YKA	49.77	347	eP	19 47.70	-1.4	HRV	33.37	29	P	34 30.00	10.5X		0.8s	6.00nm	4.9mb		
	0.8s	2.90nm		4.4mb	Z	18s	2.08um		4.9msz	LIC	86.09	85 P	40 23.77 2.2				
INK	59.17	344	eP	20 57.50	-0.1	HHAI	33.47	333	eP	34 21.07	0.5		0.8s	6.00nm	4.9mb		
GBA	149.78	19	PKP	30 43.00	1.0	RSNY	33.76	23	eP	34 21.95	-0.9	KIC	86.33	84 P	40 24.95 2.1		
S.D. = 0.8 on 17 of 23 obs.						0.8s	11.33nm		4.8mb				0.8s	11.50nm	5.1mb		
SEP 11, 1993 03h 27m 42.13± 0.35s					Z	19s	1.50um		4.7msz	LRG	86.58	46 eP	40 23.30 -0.2				
14.370 N ± 6.7km 92.549 W ± 5.5km					SAO	34.08	316	P	34 40.00	14.3X		0.9s	10.95nm	5.1mb			
DEPTH = 33.0km (normal)					Z	18s	0.55um		4.3msz	LMR	86.71	46 eP	40 24.00 -0.1				
4.8mb (46 obs.) 4.7msz (15 obs.)					CMB	34.10	319	(P)	34 26.58	0.6		0.7s	4.20nm	4.8mb			
NEAR COAST OF CHIAPAS, MEXICO (69)						1.0s	21.59nm		5.0mb	FRF	86.75	46 eP	40 24.10 -0.2				
MD 5.0 (GCG).					Z	19s	0.85um		4.5msz		0.9s	7.20nm	4.9mb				
PCG	1.88	89	eP	28 17.99	5.2X	LBNH	34.57	26	P	34 40.00	10.1X						
GCG	1.96	83	eP	28 20.32	6.4X		Z	20s	1.89um	4.8msz	KHC	89.48	39 eP	40 39.00 1.7			
IXG	2.04	95	eP	28 20.04	5.1X	ULM	35.88	356	eP	34 43.00	2.1	GEC2	89.66	39 eP	40 33.90 -4.4X		
			eS	28 50.46		WDC	36.96	321	P	35 00.00	9.9X		0.9s	1.07nm	4.1mb		
SCX	2.35	358	iP	28 24.79	5.5X		Z	19s	0.98um	4.6msz	STK	127.78	241 ePKP	46 45.30 -1.2			
			iS	28 59.02		LBFM	37.03	322	eP	34 50.66	-0.3		1.1s	1.70nm			
YUP	2.67	93	eP	28 28.90	5.0X	FHC	37.98	320	eP	34 59.59	0.9	WRA	134.97	256 PKP	47 01.00 0.5		
			eS	29 07.55			1.0s	33.21nm		5.2mb			0.7s	0.50nm			
OXX	4.84	304	iP	28 53.76	-1.0	LPZ	38.86	141	P	35 06.40	-0.6	GUN	137.94	2 PKP	47 00.00 -6.4X		
			(S)	29 51.00		LPB	39.06	141	eP	35 12.00	3.5X	CHTO	145.14	341 ePKP	47 17.40 -1.4		
LVVM	6.51	326	iP	29 15.91	-2.2	CNCB	39.35	141	P	35 12.00	1.0	BDT	146.58	340 ePKP	47 22.00 0.9		
			(S)	30 32.82		NEW	39.43	334	eP	35 10.49	-0.3	HYB	147.22	16 ePKP	47 25.00 2.8		
IIT	7.20	311	iP	29 29.51	1.4		1.0s	12.41nm		4.6mb	GBA	150.49	20 PKP	47 33.00 5.7X			
			iS	30 55.19		DPW	39.60	333	eP	35 12.21	0.0	S.D. = 1.0 on 91 of 110 obs.					
PPM	7.46	310	iP	29 32.99	1.0	LON	40.50	329	eP	35 19.72	0.1	* SEP 11, 1993 03h 51m 19.94± 1.78s					
IIA	7.54	310	(P)	29 33.80	1.3	CCH	40.93	140	P	35 24.60	0.9	13.844 N ±19.9km 93.112 W ±10.9km					
III	7.74	302	iP	29 33.63	-2.0	SIV	43.33	133	P	35 42.90	-0.2	DEPTH = 33.0km (normal)					
MRX	9.82	304	iP	30 03.83	-0.3	YKA	50.55	347	eP	36 39.10	-0.1	4.3mb (2 obs.)					
LTX	18.10	327	eP	31 53.08	0.3		0.9s	21.50nm		5.1mb		OFF COAST OF CHIAPAS, MEXICO (68)					
UYO	19.79	355	iPd	32 12.20	-0.4	SIT	53.47	332	(P)	37 01.20	0.0	MD 4.8 (GCG).					
MIAR	20.11	358	eP	32 16.11	0.1		0.8s	7.26nm		4.7mb	TPX	1.34	38 iPd	51 41.18 -1.3			
	1.1s	88.35nm		5.0mb		SOB1	56.33	112	eP	37 23.00	0.3		(S)	51 59.54			
Z	21s	0.38um		3.7msz		BALM	58.67	334	eP	37 38.70	0.0	IXG	2.60	82 eP	52 00.56 -0.2		
		eS	35 47.68			INK	59.93	344	eP	37 47.50	0.4			eS	52 38.09		
BOG	20.62	116	eP	32 26.00	4.1X		0.9s	8.00nm		4.8mb	GCG	2.61	73 eP	52 01.61 0.7			
		eS	36 28.00			KLU	60.41	334	eP	37 50.08	-0.5	GCG	2.61	73 eP	52 02.70 1.8X		
MEO	21.04	346	iPc	32 25.60	-0.1	PMR	61.85	333	eP	37 58.29	-1.9						

11d 03h

SCX 2.91 9 iP 52 05.51 0.5
 YUP 3.23 83 eP 52 09.99 0.3
 OXX 4.74 313 (P) 52 38.50 7.3X
 III 7.59 307 (P) 53 13.25 2.0X
 LTX 18.25 329 eP 55 33.09 0.6
 MIAR 20.61 359 (P) 55 59.85 0.8
 1.0s 11.11nm 4.2mb
 YKA 50.93 347 eP 00 18.80 -1.1
 0.5s 2.70nm 4.5mb
 INK 60.28 344 eP 01 27.00 -0.3
 GBA 151.17 19 PKP 11 13.00 6.9X
 S.D. = 0.9 on 9 of 13 obs.

* SEP 11, 1993 04h 10m 10.75± 0.91s
 14.072 N ±13.6km 93.051 W ± 6.8km
 DEPTH = 33.0km (normal)
 4.5mb (11 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.13 43 iPd 10 30.52 0.3
 GCG 2.49 78 eP 10 50.68 0.6
 IXG 2.52 87 eP 10 50.35 -0.1
 0.5s 11 20.76
 SCX 2.68 9 iP 10 54.07 1.6
 0.5s 11 27.12
 YUP 3.16 87 eP 10 59.06 -0.4
 0.5s 11 31.10
 OXX 4.63 311 iP 11 21.12 0.6
 IIT 7.04 315 iP 11 51.70 -2.8
 (S) 13 21.96
 ACX 7.13 294 (P) 12 34.86 39.4X
 PPM 7.30 314 iPd 12 00.14 1.9
 0.5s 13 36.67
 MRX 9.59 307 iP 12 31.64 2.0X
 LTX 18.09 329 eP 14 22.13 0.8
 MIAR 20.39 359 eP 14 45.29 -2.2
 1.3s 40.52nm 4.6mb
 MEO 21.22 347 iPd 14 55.50 -0.6
 ALQ 24.04 332 eP 15 24.60 0.5
 1.2s 17.38nm 4.5mb
 TUC 24.33 321 eP 15 28.15 1.4
 1.4s 23.40nm 4.5mb
 GOL 27.73 339 ePc 15 58.21 -0.4
 0.8s 13.93nm 4.7mb
 PV08 28.04 333 eP 16 01.55 0.1
 PV10 28.05 333 eP 16 00.58 -0.8
 PV09 28.19 333 (P) 16 03.21 0.5
 PLM 28.92 316 eP 16 09.85 0.6
 ARUT 29.77 326 ePc 16 17.83 1.0
 DAU 30.70 332 eP 16 25.42 0.2
 RSSD 31.38 345 eP 16 30.25 -0.8
 1.3s 10.13nm 4.5mb
 LRM 35.63 337 eP 17 08.20 0.4
 ULM 36.15 357 eP 17 11.50 -0.3
 LBPM 36.96 323 eP 17 19.40 0.4
 YKA 50.73 347 eP 19 08.10 -1.1
 0.7s 10.50nm 4.9mb
 SOB1 56.68 111 eP 19 54.30 0.5
 INK 60.08 344 eP 20 16.00 -0.7
 0.7s 2.00nm 4.4mb
 TTA 65.38 333 eP 20 50.25 -1.8
 1.2s 4.11nm 4.4mb
 EKA 78.50 36 Pd 22 06.80 -3.3X
 0.8s 5.80nm 4.6mb
 NB2 84.57 28 P 22 42.30 0.5
 1.0s 4.20nm 4.6mb
 GEC2 90.19 39 eP 23 09.50 0.1
 1.1s 1.01nm 4.0mb
 0.5s 23 14.60
 HYB 147.63 15 ePKP 29 54.00 2.5X
 GBA 150.93 19 PKP 30 03.00 6.4X
 S.D. = 1.1 on 30 of 35 obs.

* SEP 11, 1993 04h 22m 47.72± 1.85s
 21.296 S ± 8.3km 178.255 W ±11.0km
 DEPTH = 294.9 ± 21.3 km
 4.9mb (14 obs.)

FIJI ISLANDS REGION (181)

AFI 9.60 41 eP 25 00.00 -1.9
 DZM 14.25 264 iPd 26 07.60 8.8X
 0.5s 28 42.10
 KUZ 16.27 198 P 26 23.70 2.3
 HBZ 16.52 190 P 26 26.00 1.9
 PUZ 16.99 189 eP 26 28.10 -1.0
 WLZ 17.35 197 eP 26 35.00 2.2

URZ 17.37 192 P 26 33.30 0.3
 0.5s 29 31.20
 NOZ 17.56 190 eP 26 35.30 0.4
 PGZ 19.82 192 P 26 57.50 -0.2
 MNG 19.98 194 P 26 57.90 -1.5
 KIW 20.35 195 P 27 03.00 0.0
 MTW 20.50 194 P 27 03.60 -0.8
 CAW 20.55 194 eP 27 04.20 -0.7
 MRW 20.75 195 P 27 07.30 0.5
 TCW 20.84 196 P 27 07.20 -0.5
 QRZ 20.98 200 P 27 09.70 0.6
 THZ 21.73 198 eP 27 16.60 0.2
 KHZ 22.16 196 eP 27 19.50 -0.9
 LTZ 22.85 198 P 27 25.20 -1.9
 WVZ 23.59 200 eP 27 34.50 0.6
 BRS 27.05 251 iPd 28 08.00 2.5
 1.0s 11.00nm 4.3mb
 0.5s 28 12.50
 ARMA 28.51 245 iPd 28 20.50 1.9
 0.5s 14.00nm 4.8mb
 CNB 31.59 237 iPd 28 46.60 1.2
 0.7s 122.00nm 5.6mb
 CAN 31.87 237 iPd 28 48.90 1.0
 BWA 32.08 239 iPd 28 48.50 -1.2
 CTA 33.18 266 iPd 29 01.50 2.3
 1.0s 35.00nm 4.9mb
 TOO 35.24 235 iPd 29 17.20 0.8
 0.7s 122.00nm 5.5mb
 PMG 35.30 284 eP 29 21.00 4.0X
 STK 37.24 245 iPd 29 34.50 1.3
 0.7s 12.90nm 4.5mb
 0.5s 34 46.30
 ADE 40.02 241 e(P) 29 55.40 -0.7
 ASPA 44.11 258 iPd 30 28.80 -0.4
 0.8s 60.80nm 5.0mb
 Z 23s 0.20um 4.0mszx
 0.5s 36 26.00
 0.5s 39 39.60
 WB2 44.25 263 iPd 30 30.00 -0.3
 0.7s 52.40nm 5.0mb
 FORT 48.76 247 eP 31 04.00 -1.3
 MTN 48.94 271 eP 31 06.30 -0.5
 KNA 50.35 267 eP 31 17.20 -0.3
 MBL 57.36 258 eP 32 06.50 -1.6
 0.4s 34.00nm 5.2mb
 MEEK 57.43 251 eP 32 06.50 -2.1
 KLB 57.50 245 eP 32 07.00 -2.0
 BAL 58.52 246 eP 32 13.90 -2.1
 MUN 58.77 245 iPd 32 16.50 -1.2
 NANU 60.96 255 eP 32 31.30 -1.3
 0.4s 28.00nm 5.2mb
 CSY 63.15 205 eP 32 42.20 -4.1X
 0.7s 14.20nm 4.7mb
 SPA 68.83 180 iPd 33 20.00 -2.3
 0.9s 27.27nm 5.0mb
 MAT 70.71 324 eP 33 34.00 0.2
 0.8s 8.21nm 4.5mb
 ADK 72.87 1 (P) 33 48.05 2.0
 0.7s 5.45nm 4.4mb
 LGPM 80.47 39 eP 34 29.80 1.4
 GLA 81.12 49 eP 34 33.10 1.2
 BONR 81.49 44 (P) 34 34.65 0.6
 SLKM 84.63 14 eP 34 48.37 -0.7
 INK 95.10 15 eP 35 28.00 -9.9X
 APO 139.86 351 ePKP 41 32.10 -9.8X
 0.4s 0.70nm
 MLR 148.76 326 ePKP 41 59.00 1.4
 CLL 148.78 346 iPKPc 42 00.10 2.9X
 1.1s 17.00nm
 BRG 148.96 345 iPKP 42 00.70 3.2X
 1.2s 16.00nm
 PRU 149.63 344 PKP 42 02.30 3.8X
 MOX 149.70 348 ePKP 42 02.30 3.7X
 1.7s 20.00nm
 KHC 150.67 344 ePKP 42 05.00 4.8X
 1.2s 7.00nm
 0.5s 42 15.00
 GRF 150.68 347 ePKP 42 05.00 4.8X
 GEC2 150.90 344 ePKP 42 04.90 4.3X
 0.9s 3.23nm
 FLN 152.54 3 ePKP 42 07.90 5.1X
 1.0s 11.60nm
 CDF 152.58 352 ePKP 42 08.30 5.2X
 0.8s 2.15nm
 LDF 152.72 3 ePKP 42 08.80 5.7X
 0.6s 3.00nm
 HAU 153.10 353 ePKP 42 11.40 7.7X

0.7s 4.30nm
 LFP 153.23 4 ePKP 42 10.40 6.6X
 1.1s 16.10nm
 LOR 154.03 357 ePKP 42 10.30 5.3X
 0.5s 1.45nm
 LBF 154.31 356 ePKP 42 12.90 7.5X
 1.2s 9.20nm
 S.D. = 1.4 on 47 of 66 obs.

? SEP 11, 1993 04h 24m 45.05± 3.61s
 13.219 N ±38.9km 92.088 W ±24.2km
 DEPTH = 33.0km (normal)
 4.4mb (4 obs.)

OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.68 354 iPd 25 18.57 6.0X
 0.5s 25 36.18
 SCX 3.54 351 iPd 25 39.55 0.6
 0.5s 26 05.85
 OXX 5.90 311 iPd 26 14.12 1.5
 IIT 8.31 315 (P) 27 19.48 33.0X
 PPM 8.56 314 (P) 26 45.49 -4.7X
 IIA 8.64 314 iPd 27 15.28 24.5X
 III 8.76 307 (P) 27 15.66 23.0X
 MRX 10.85 308 (P) 27 18.97 -2.3
 LTX 19.30 328 eP 29 05.32 -5.1X
 UYO 20.97 354 iPd 29 35.40 7.6X
 MIAR 21.27 357 eP 29 28.92 -2.0
 1.2s 27.73nm 4.5mb
 ALQ 25.24 331 eP 30 09.78 -0.1
 0.9s 2.67nm 3.8mb
 TUC 25.58 321 (P) 30 13.35 0.4
 1.0s 13.45nm 4.5mb
 PV08 29.22 333 (P) 30 47.06 0.7
 PV10 29.23 332 (P) 30 46.17 -0.2
 PV09 29.38 332 (P) 30 47.80 0.1
 ARUT 30.99 326 (P) 31 01.88 0.0
 LRM 36.79 336 eP 31 53.20 1.4
 YKA 51.76 347 eP 33 53.40 2.1X
 0.8s 3.70nm 4.4mb
 S.D. = 1.3 on 11 of 19 obs.

* SEP 11, 1993 04h 25m 24.71± 1.08s
 14.526 N ±18.0km 92.385 W ±14.8km
 DEPTH = 33.0km (normal)
 4.4mb (6 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

LTX 18.05 327 eP 29 34.89 0.0
 MIAR 19.96 357 eP 29 56.95 -0.1
 1.6s 52.54nm 4.6mb
 MYNC 21.77 19 eP 30 16.34 0.8
 0.8s 7.99nm 4.2mb
 ALQ 23.96 331 eP 30 37.60 0.4
 0.8s 3.97nm 4.0mb
 TUC 24.39 320 eP 30 41.92 0.6
 2.1s 62.00nm 4.8mb
 PV08 27.93 332 eP 31 14.00 -0.4
 PV10 27.95 331 eP 31 14.28 -0.2
 PV09 28.09 331 eP 31 16.50 0.7
 ARUT 29.76 325 eP 31 30.93 0.2
 LRM 35.48 336 eP 32 20.10 -0.4
 YKA 50.43 347 eP 34 19.70 -1.2
 0.8s 5.60nm 4.6mb
 SOB1 56.24 112 eP 35 05.00 0.4
 APO 85.29 28 eP 37 58.60 -0.7
 0.4s 0.90nm 4.3mb
 GBA 150.29 20 PKP 45 15.30 5.7X
 S.D. = 0.6 on 13 of 14 obs.

SEP 11, 1993 04h 55m 33.45± 0.09s
 42.003 N ± 2.0km 142.581 E ± 1.9km
 DEPTH = 58.1km (33 depth phases)
 5.7mb (155 obs.)

HOKKAIDO, JAPAN REGION (224)

Mw 5.5 (HRV). Felt (IV JMA) at
 Urakawa; (III JMA) at Hiroo; (II
 JMA) at Kushiro, Muroran,
 Obihiro, Otaru and Tomakomai.
 Also felt (II JMA) at Hachinohe
 and Mutsu, Honshu.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 31S, 55C
 Centroid Location:
 Origin Time 04:55:35.9 0.5
 Lat 41.68N 0.04 Lon 142.82E 0.05

Dep 53.0 2.9 Half-duration 1.4 Moment Tensor; Scale 10**17 Nm Mrr= 1.51 0.06 Mtt=-0.48 0.10 Mff=-1.03 0.09 Mrt= 0.51 0.12 Mrf= 1.04 0.12 Mtf=-0.93 0.09 Principal Axes: T Val= 1.90 Plg=71 Azm=285 N 0.19 6 33 P -2.09 18 125 Best Double Couple:Mo=2.0*10**17 NP1:Strike=224 Dip=28 Slip= 103 NP2: 30 63 83					N 14s 1.10um E 12s 0.60um sS 04 02.00 PcP 04 17.50 TIA 20.55 262 Pc 00 06.00 -3.4X 1.4s 440.00nm 5.6mb Z 24s 3.55um 4.6MsZ E 12s 1.07um S 03 49.00 NJ2 21.33 250 Pc 00 15.00 -2.3 1.0s 99.00nm 5.1mb Z 18s 2.06um 4.6MsZ N 15s 3.48um sP 00 31.40 S 04 08.00 YAK 21.47 343 iPc+ 00 14.00 -4.5X 0.8s 339.00nm 5.8mb iP 00 34.00 94kmX i 00 46.00 iPPP 00 54.00 eS 04 05.00 CIT 22.01 307 eP 00 21.00 -3.1X Z 14s 4.32um 5.0MsZ E 17s 6.42um eS 04 09.50 HHC 23.23 278 Pd 00 36.00 -0.2 1.2s 69.00nm 5.0mb Z 22s 3.75um 4.8MsZ E 18s 1.99um S 04 42.00 TIY 23.47 270 Pc 00 37.00 -1.5 N 18s 1.70um S 04 47.50 TATO 24.35 232 eP 00 46.99 0.0 1.1s 741.20nm 6.1mb BTO 24.43 278 P 00 46.00 -1.8 0.7s 52.00nm 5.1mb N 15s 0.84um E 16s 2.25um ePP 01 19.00 S 04 55.00 WHN 25.36 252 eP 00 54.30 -2.2 Z 20s 2.73um 4.8MsZ N 18s 3.47um eS 05 20.00 QZH 26.13 237 Pc 01 04.00 0.3 S 05 34.00 XAN 27.55 264 P 01 14.90 -1.8 1.0s 98.00nm 5.4mb Z 22s 1.94um 4.6MsZ N 10s 0.43um E 12s 0.72um sP 01 33.50 PP 01 59.00 S 05 46.00 IRK 27.68 305 iPc 01 17.00 -0.7 1.0s 206.00nm 5.7mb Z 16s 3.05um 5.0MsZ E 16s 2.78um e 01 31.00 57km e 02 04.00 eS 05 56.00 e 06 17.00 ZAK 28.19 301 iPc 01 22.00 -0.2 1.4s 110.00nm 5.3mb Z 12s 3.14um 5.1MsZ E 15s 3.84um e 02 24.00 332kmX eS 06 00.00 LZH 30.47 272 Pc 01 41.50 -1.5 1.5s 180.00nm 5.6mb Z 19s 1.81um 4.7MsZ pP 01 54.00 48km sP 01 58.00 PP 02 41.00 eS 06 36.00 SS 08 20.00 GZH 30.81 241 iPc 01 46.60 0.8 0.8s 79.00nm 5.5mb Z 20s 1.25um 4.6MsZ N 15s 1.58um E 14s 1.58um S 06 48.00 BAG 31.74 223 eP 01 53.00 -1.2 GTA 32.28 280 Pc 01 58.00 -0.7 1.5s 59.00nm 5.2mb Z 22s 3.69um 5.0MsZ					N 10s 0.38um pP 02 08.00 35kmX PcP 04 46.00 eS 07 07.00 ScP 08 24.50 PcS 08 30.00 ScS 12 22.00 CD2 32.87 263 iPc 02 02.20 -1.7 1.2s 140.00nm 5.7mb Z 29s 1.83um 4.6MsZ N 12s 0.96um eS 07 19.20 ILT 33.16 26 iPc 02 01.50 -4.4X 1.0s 60.00nm 5.4mb Z 18s 1.00um 4.6MsZ E 20s 0.80um i 02 16.70 61km iPPP 03 29.00 eS 07 16.00 GYA 33.22 254 iPc 02 05.60 -1.4 0.8s 54.00nm 5.5mb Z 18s 2.06um 4.9MsZ N 16s 1.72um E 16s 0.85um PP 03 20.00 S 07 16.00 ScP 08 24.60 ScS 12 26.40 PLP 34.37 212 ePd 02 16.50 -0.3 QIZ 35.98 241 Pc 02 33.00 2.4 N 17s 2.26um E 17s 1.82um KMI 36.84 256 Pc 02 37.00 -1.0 1.5s 430.00nm 6.2mb Z 22s 2.50um 5.0MsZ N 16s 1.10um E 16s 1.00um sP 02 56.40 S 08 14.00 CGP 36.96 210 iPc 02 38.50 -0.2 DAV 37.90 208 eP 02 47.00 0.4 NRI 39.03 333 iPc 02 52.20 -3.4X 1.0s 60.00nm 5.4mb Z 21s 11.00um 5.7MsZ E 21s 10.00um e 04 56.00 e 05 13.00 eS 08 47.00 e 09 11.00 eSS 11 32.00 e 12 12.00 WMQ 39.62 292 iPc 03 01.00 0.1 0.8s 130.00nm 5.8mb Z 20s 3.21um 5.2MsZ pP 03 10.00 30kmX PP 04 36.50 PcP 05 07.50 PcS 08 57.50 S 09 00.30 NVS 40.21 310 iPc 03 05.80 0.3 0.8s 220.00nm 6.1mb i 03 20.50 57km i 04 43.20 i 08 58.00 TTA 40.89 38 ePc 03 10.59 -0.5 1.0s 13.85nm 4.7mb SVW 41.08 41 ePc 03 12.92 0.3 0.8s 24.23nm 5.0mb IMA 41.99 33 eP 03 18.96 -1.2 0.8s 20.06nm 4.9mb CDD 42.20 44 eP 03 21.14 -0.7 RDW 42.48 41 eP 03 24.31 0.0 RED 42.51 42 eP 03 23.89 -0.5 LOE 42.57 247 eP 03 25.00 -0.2 e 05 38.00 RDT 42.68 41 eP 03 25.09 -0.6 CP2 42.70 40 eP 03 26.19 0.1 BKG 42.71 41 ePc 03 26.30 0.3 CKT 42.73 40 eP 03 26.52 0.4 NCG 42.73 40 ePc 03 26.73 0.5 CRP 42.74 40 eP 03 26.38 0.0 KKM 42.79 221 ePd 03 23.70 -3.4X SPU 42.80 40 ePc 03 26.79 0.1 CGLM 42.81 40 eP 03 27.13 0.3 LSA 42.87 270 iPc 03 30.00 1.9 1.2s 200.00nm 5.8mb Z 32s 2.34um 4.9MsZ				
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E	20s		1.55um			HON	53.52	93 P	05 12 20.00		VIPM	66.26	51 P	06 15 34.00	
KDC	42.94	45 eP	03 50.00	-1.1		Z	21s	0.76um	4.7MsZ		MBL	66.28	203 eP	06 17.00	-0.6
	0.9s	31.20nm		5.1mb		NDI	53.75	278 iPc	04 51.50 -0.4		FHC	66.42	56 eP	06 19.51	1.0
SKT	42.99	39 eP	03 27.63	-0.6			0.9s	218.49nm	6.2mb			0.9s	68.12nm		5.6mb
KTH	43.18	37 ePc	03 30.04	0.2		MTN	55.59	194 eP	05 04.00 -1.3		KMPM	66.56	56 eP	06 19.92	0.4
MLY	43.21	35 eP	03 29.82	-0.1		KHKI	55.88	213 ePd	05 06.10 -1.3		LNOR	66.78	49 P	06 20.91	0.1
TSM	43.55	217 ePc	03 34.50	1.4			e	07 16.90	739kmX		GRO	67.00	308 iPc	06 22.00	-0.1
CHTO	43.56	252 iPc	03 34.00	0.7		KBS	55.94	350 eP	05 06.40 -0.8			1.5s	240.00nm		6.0mb
	1.1s	111.90nm		5.5mb		RES	57.57	15 eP	05 17.50 -1.4		Z	20s	1.00um		5.0MsZ
SLKM	43.76	41 eP	03 32.92	-1.5			1.0s	56.00nm	5.6mb		N	14s	1.50um		
BWN	43.79	36 eP	03 35.37	0.7		LEM	58.14	222 iPd	05 23.50 -0.2		E	16s	1.50um		
NEA	43.94	35 ePc	03 35.52	-0.3		KNA	58.86	196 eP	05 27.80 -0.6		LGPM	67.06	55 ePc	06 23.19	0.4
MCK	44.05	37 eP	03 36.26	-0.6		YKA	59.09	32 eP	05 28.20 -1.4		LBFM	67.38	54 ePc	06 24.99	0.2
PMR	44.16	40 eP	03 36.59	-1.0			0.8s	18.20nm	5.3mb		WDC	67.44	55 ePd	06 24.35	-0.6
	0.8s	32.52nm		5.2mb		HYB	59.34	266 iPc	05 31.40 -0.6			0.9s	28.10nm		5.3mb
Z	18s	0.40um		4.4MsZ			0.8s	207.10nm	6.3mb		Z	21s	0.30um		4.5MsZ
GHO	44.24	39 eP	03 37.97	-0.4			i	05 49.80	71kmX		PYA	68.11	310 iPc	06 28.70	-0.4
MDM	44.28	35 ePc	03 38.17	-0.4		SDF	60.79	337 iP	05 39.10 -2.1			Z	19s	1.00um	5.1MsZ
COL	44.47	35 iPc	03 39.80	-0.3		DAG	60.92	355 eP	05 41.00 -0.9		E	19s	1.00um		
	0.8s	113.62nm		5.7mb			1.0s	98.00nm	5.9mb		MTA	68.51	307 iP	06 32.20	0.6
FBA	44.47	35 ePc	03 39.62	-0.5		TRO	61.32	341 iPc	05 43.33 -1.4		ORV	68.69	56 ePc	06 32.19	-0.6
	0.8s	70.65nm		5.5mb		CTA	61.87	176 iPc	05 47.00 -1.9		UPP	68.90	334 iP	06 32.40	-1.2
CCB	44.48	35 eP	03 39.43	-0.7			1.0s	7.50nm	4.8mb		NANU	68.94	207 eP	06 33.00	-1.3
SML	44.52	39 ePc	03 40.02	-0.6			ipP	06 04.90	68km		MNK	69.46	325 eP	06 33.00	-4.1X
BDT	44.57	250 eP	03 41.20	-0.2		WB2	62.10	189 eP	05 48.60 -1.9			1.0s	330.00nm		6.2mb
	0.8s	57.10nm		5.4mb			0.7s	47.10nm	5.7mb		ERE	69.62	306 iP+	06 38.00	-0.5
GLM	44.63	35 ePc	03 41.29	-0.2			e	06 05.60	64km		BRS	69.69	170 iPd	06 39.00	0.2
DHY	44.82	37 ePc	03 42.31	-0.8		WRA	62.10	189 P	05 49.20 -1.3			1.0s	4.00nm		4.3mb X
NST	44.86	247 eP	03 44.50	0.7		ASH	62.13	297 eP	05 50.00 -0.6			i	06 44.00		16kmX
HDA	44.87	35 ePc	03 41.96	-1.4			1.2s	260.00nm	6.2mb		MOL	69.72	340 iPc	06 37.12	-1.5
SCM	44.99	39 eP	03 43.62	-0.8		POO	62.15	270 iPc	05 45.00 -6.1X		TAB	69.80	303 iP+	06 40.00	0.2
LTI	44.99	42 ePc	03 43.52	-0.8			1.0s	110.00nm	5.9mb		HFS	69.94	335 eP	06 38.30	-1.7
PRP	45.37	34 ePc	03 47.36	-0.1		MAIO	62.26	295 iPc	05 51.00 -0.6			0.8s	143.60nm		5.9mb
VZW	45.47	40 eP	03 47.78	-0.4		QIS	62.30	183 eP	05 50.30 -1.5		Z	19s	0.50um		4.8MsZ
TOA	45.49	39 ePc	03 48.59	0.2		GBA	62.59	264 Pc	05 53.40 -0.4		NB2	69.96	337 P	06 38.30	-1.9
VLZ	45.56	40 eP	03 48.41	-0.4			0.9s	999.90nm	6.9mb X			0.8s	119.80nm		5.9mb
KLU	45.70	39 ePc	03 49.81	-0.2		GMW	63.28	49 eP	05 58.28 0.1		LRM	70.01	46 iPc	06 41.00	0.0
SDG	45.72	38 eP	03 50.00	-0.1		JCW	63.40	48 P	05 58.89 0.0		ARN	70.01	58 eP	06 41.06	0.1
CVA	45.94	41 eP	03 51.35	-0.4		BMW	63.63	50 ePc	06 00.39 -0.1		NAO	70.25	337 P	06 28.60	-13.3X
KHT	46.54	248 iPc	03 58.20	1.1		LOF	63.75	341 eP	05 58.93 -1.9		NAO	70.25	337 P	06 38.79	-3.1X
GLB	46.71	39 ePc	03 57.91	0.0		MOS	63.83	322 eP	06 01.00 -0.5		SOC	70.28	311 iPc+	06 42.00	-0.4
TMW	46.75	37 ePc	03 58.16	0.0		Z	20s	2.00um	5.3MsZ			1.4s	150.00nm		5.7mb
CRQM	47.16	40 ePc	04 01.97	0.2		N	15s	0.95um			Z	19s	1.20um		5.2MsZ
TGL	47.31	40 eP	04 02.75	-0.1		E	15s	0.76um			N	18s	0.80um		
WAX	47.37	41 ePc	04 03.56	0.4			e	06 19.00	68km		E	16s	0.60um		
SNH	47.43	41 eP	04 04.26	0.6			e	06 23.00				e	16 16.00		
BALM	47.48	40 ePc	04 04.07	-0.1		RMW	63.88	49 eP	06 01.96 -0.2		CMB	70.31	56 ePc	06 42.83	0.1
GUN	47.74	272 P	04 07.60	0.7		KMOR	63.95	51 P	06 03.08 0.5			0.9s	41.47nm		5.4mb
YAH	47.92	40 eP	04 08.18	0.5		FMW	64.26	49 P	06 04.77 0.0		ANN	70.78	313 iPc	06 46.00	0.7
KKN	48.25	272 P	04 11.00	0.3		LON	64.28	49 eP	06 04.27 -0.5			0.9s	50.00nm		5.4mb
DMN	48.47	272 P	04 13.00	0.6		KAF	64.33	332 iP	06 03.30 -1.4			e	07 03.00		62km
FRU	48.90	295 iPc	04 15.50	0.2			0.8s	82.80nm	5.8mb		MMPM	71.41	56 eP	06 50.02	0.2
	2.0s	220.00nm		5.8mb		SHW	64.36	50 eP	06 05.84 0.5		MEMM	71.43	56 eP	06 50.72	1.3
Z	20s	1.60um		5.0MsZ		PUL	64.40	329 (P)	06 04.00 -1.2		KER	71.60	300 iPc	06 50.10	-0.6
	e	04 36.00		84kmX			2.0s	280.00nm	5.9mb		AKU	71.60	352 iPd	06 50.80	0.9
	e	11 20.00					e	06 20.00	59km			1.0s	60.00nm		5.5mb
KSH	49.37	291 P	04 19.50	0.5		OBN	64.68	322 iPc+	06 06.10 -1.0		BONR	71.64	55 eP	06 51.64	0.5
	0.8s	210.00nm		6.2mb			1.5s	280.00nm	6.0mb		HHAI	71.68	48 iPc	06 51.84	0.8
Z	16s	2.98um		5.4MsZ X		Z	16s	2.00um	5.4MsZ X		SUE	71.71	340 iPc	06 50.64	0.0
N	20s	2.76um				N	16s	0.80um			TNP	72.22	55 ePc	06 54.49	0.1
E	20s	4.43um				E	16s	1.30um				0.8s	27.12nm		5.2mb
	sP	04 38.00					i	06 19.50	47kmX			e	07 10.66		58km
	PP	06 13.00					i	06 37.80			SIM	72.44	315 eP	06 55.00	-0.3
INK	49.58	29 ePc	04 19.30	-0.8			eS	14 40.00			Z	16s	1.00um		5.2MsZ X
	1.0s	20.00nm		5.1mb			ePS	15 08.00				eS	16 40.00		
SVE	52.10	316 iPc+	04 39.00	-0.4			eSS	18 52.00			HVU	72.45	49 eP	06 55.93	0.3
	1.8s	280.00nm		6.0mb		ASR	64.75	50 P	06 08.04 0.2		ARMA	72.54	172 eP	06 56.40	0.4
Z	16s	3.10um		5.4MsZ X		RNO	64.77	53 P	06 08.94 1.0			1.0s	21.00nm		5.0mb
N	16s	1.00um				WTV	64.78	48 P	06 07.53 -0.4			e	07 13.00		60km
E	16s	2.00um				EBG	64.89	49 P	06 08.98 0.3		ABL	73.03	58 eP	06 59.48	0.2
	e	04 55.50		64km		SSOR	64.99	51 P	06 09.80 0.4			e	07 15.06		56km
	e	06 35.30				SAW	65.08	48 P	06 09.45 -0.4		DUG	73.47	51 ePd	07 02.07	0.5
	eS	12 00.00				WAH2	65.54	48 P	06 12.98 0.2			0.9s	44.64nm		5.4mb
	ePS	12 25.00				DPW	65.64	47 eP	06 12.91 -0.5			e	07 16.46		51km
	e	14 24.00				CROR	65.77	51 P	06 14.58 0.2		BSD	73.51	332 iPc	07 00.30	-1.0
IPM	52.49	236 ePc	04 43.00	0.2		ASPA	65.83	189 iPc	06 13.90 -0.8			0.7s	61.00nm		5.6mb
	0.5s	23.70nm		5.5mb			0.9s	26.00nm	5.2mb		STK	73.53	181 iPc	07 01.20	-0.3
ARU	53.30	316 iPc+	04 48.00	-0.3		Z	22s	0.70um	4.8MsZ			0.8s	5.10nm		4.5mb X
	1.6s	400.00nm		6.2mb			epP	06 25.80	40kmX			i	07 18.70		64km
Z	16s	3.50um		5.5MsZ X			eS	14 49.00			BW06	73.57	47 ePc	07 02.17	-0.1
N	16s	1.00um				NEW	65.99	46 ePc	06 15.22 -0.4			0.9s	35.89nm		5.3mb
E	16s	2.50um					0.9s	56.00nm	5.6mb		KIS	73.68	319 iP+	07 02.00	-0.4
	e	05 02.50		54km		NUR	66.01	331 iP	06 14.30 -1.2		Z	20s	0.80um		5.0MsZ
	e	05 08.50					0.7s	89.50nm	5.9mb		N	16s	0.50um		
	e	05 58.00				BAK	66.20	303 iPc	06 18.00 1.0		E	16s	0.40um		

		e	07 26.00	92kmX			0.8s	81.00nm	5.7mb	SQTA	81.26 329 iPc	07 44.80	0.3
		eS	16 36.00		ALT	78.67 313 eP	07 31.00	0.2			0.8s	62.40nm	5.6mb
KVT	73.98	311 iP	07 04.00	-0.4	SOP	78.74 326 iPd	07 32.00	1.1	GRG	81.28 319 i(P)c	07 45.01	0.4	
DAU	74.21	50 ePc	07 06.62	0.5	EKA	78.75 341 Pc	07 30.70	-0.1	YRH	81.39 341 ePc	07 45.00	0.1	
GSC	74.26	57 eP	07 06.16	0.0		0.8s	36.40nm	5.4mb	DLF	81.42 342 iPc	07 45.30	0.3	
		e	07 22.51	59km	KHC	78.78 329 Pc	07 31.50	0.3		0.8s	253.00nm	6.2mb	
MUD	74.32	335 iPd	07 06.50	0.5		1.0s	77.00nm	5.6mb	PAIG	81.42 317 i(P)c	07 45.38	0.1	
	0.7s	40.00nm		5.5mb	Z	24s	1.00um	5.1MsZ	TRI	81.47 326 eP	07 44.80	-0.7	
ARUT	74.68	53 ePc	07 08.87	0.2	N	24s	0.60um		NKY	81.49 322 iPc	07 45.58	-0.2	
CLI	74.77	320 iPc	07 08.00	-0.9	E	24s	0.70um		HAE	81.57 339 ePc	07 46.10	0.2	
ULM	74.88	35 ePc	07 11.00	1.6		e	08 01.50	118kmX	HCG	81.61 340 ePc	07 46.20	0.1	
MSU	74.95	52 ePc	07 10.70	0.4	WTS	78.83 334 iPc	07 31.40	0.1	OGA	81.62 329 iPc	07 47.10	0.6	
PEC	74.95	58 eP	07 09.75	-0.4		0.8s	131.80nm	5.9mb		0.8s	58.00nm	5.6mb	
	0.8s	13.94nm		4.9mb	GEC2	78.96 328 ePc	07 32.30	0.1	BRY	81.63 322 iPc	07 46.17	-0.4	
		e	07 24.79	53km		0.8s	21.46nm	5.1mb	TTG	81.66 321 iPc	07 46.78	0.3	
KAS	75.05	312 iPc	07 11.60	1.0		e	07 38.20	19kmX	WLS	81.68 332 P	07 46.69	0.1	
OJC	75.42	326 iPc	07 12.60	0.1		e	07 51.20		CDF	81.71 332 iPc	07 46.80	0.0	
	0.9s	214.00nm		6.1mb	WET	79.04 329 iPc	07 33.30	0.8		0.9s	72.75nm	5.7mb	
		i	07 17.90	17kmX		1.0s	134.00nm	5.8mb	HTR	81.73 340 ePc	07 46.50	-0.2	
		i	07 30.80		DST	79.07 314 eP	07 32.70	-0.3	LIBD	81.82 331 P	07 47.39	0.2	
SRU	75.50	50 ePc	07 13.76	0.4	GRF	79.22 330 iPc	07 34.30	0.8	SLE	81.82 331 ePc	07 47.30	0.0	
VRI	75.53	320 iPc	07 12.50	-0.7		1.0s	244.00nm	6.1mb	LIT	81.89 318 i(P)c	07 47.58	-0.2	
UZH	75.55	324 iPc	07 13.50	0.3	Z	22s	0.90um	5.1MsZ	ETA	81.90 341 eP	07 48.20	0.7	
	1.0s	45.00nm		5.4mb	FAM	79.30 308 eP	07 34.50	0.3	FEL	81.90 331 P	07 47.84	0.0	
		e	07 20.70	23kmX	ALN	79.49 316 i(P)c	07 35.34	0.3	FNA	81.92 319 i(P)c	07 47.62	-0.4	
		e	07 33.40		BNS	79.58 333 iPc	07 35.40	0.0	ECH	81.92 332 P	07 47.86	0.0	
		e	10 03.50			0.9s	53.00nm	5.5mb	OHR	81.95 320 iPc	07 48.30	0.2	
RSSD	75.55	43 ePc	07 13.06	-0.6	Z	20s	1.70um	5.4MsZ		0.8s	180.00nm	6.1mb	
	0.8s	31.60nm		5.3mb	CSS	79.72 308 ePc	07 37.00	0.5	BDV	81.98 321 iPc	07 48.14	0.0	
BMR	75.73	322 ePd	07 16.00	1.8	TUC	79.98 55 eP	07 39.08	1.1	HCY	82.00 322 iPc	07 47.87	-0.4	
SPC	76.02	325 iPc	07 16.70	0.6		1.0s	10.69nm	4.7mb	HGH	82.00 339 ePc	07 48.10	0.0	
	1.2s	90.20nm		5.6mb	EZN	80.13 315 iP	07 38.40	-0.1	ULC	82.03 321 iPc	07 48.55	0.1	
		e	36 41.90		ENN	80.17 334 iPc	07 38.50	0.0	ZLA	82.10 331 iPc	07 49.00	0.2	
BAL	76.09	203 iPc	07 16.50	0.2		0.7s	67.90nm	5.7mb	OSS	82.11 329 iPc	07 49.50	0.5	
MLR	76.18	320 iPc	07 16.00	-1.0	WIM	80.19 341 eP	07 38.30	-0.3	MOF	82.24 332 P	07 49.52	0.0	
RAC	76.19	327 iPd	07 18.00	1.2	BHG	80.20 328 iPc	07 39.20	0.4	VITF	82.33 332 P	07 49.93	0.0	
	1.0s	0.18nm		3.0mb X		0.9s	134.00nm	5.9mb	ECB	82.33 342 eP	07 49.40	-0.4	
BWA	76.24	175 iPc	07 18.00	0.8	UQSK	80.26 296 iPc	07 40.00	0.4	HVAR	82.35 323 iPc	07 49.10	-1.0	
		i	07 35.10	62km	MEM	80.27 334 iPc	07 38.91	-0.1	BSF	82.38 332 iPc	07 49.90	-0.4	
KSP	76.36	328 iPc	07 18.00	0.3		1.2s	58.00nm	5.4mb		0.8s	22.30nm	5.2mb	
	0.9s	104.00nm		5.8mb	PTJ	80.40 325 iPc	07 39.90	-0.1	HAU	82.38 332 iPc	07 50.20	0.0	
		i	07 36.20	67km	FUR	80.45 329 iPc	07 40.90	0.8		0.8s	43.90nm	5.5mb	
		e	10 01.40			0.8s	191.00nm	6.1mb	Z	24s	1.02um	5.1MsZ	
PV09	76.72	50 ePc	07 20.49	0.1	ZAG	80.46 325 iPc	07 40.30	0.1	LLS	82.39 330 iPc	07 50.80	0.3	
		e	07 35.41	53km	KBA	80.53 328 iPc	07 41.10	0.3	KMSA	82.40 290 ePc	07 50.60	-0.2	
CMP	76.78	320 ePd	07 22.00	1.8		1.1s	104.00nm	5.7mb	ECF	82.41 341 eP	07 50.90	0.7	
PV10	76.85	50 ePc	07 21.37	0.3	SRS	80.57 318 i(P)c	07 41.22	0.3		0.7s	89.00nm	5.9mb	
PV08	76.94	50 ePc	07 22.05	0.4	ALQ	80.73 51 eP	07 43.11	1.0	BBS	82.43 331 P	07 50.78	0.3	
GLA	76.97	57 eP	07 21.90	0.4		1.1s	27.30nm	5.1mb	VDL	82.53 329 ePc	07 51.90	0.6	
		e	07 38.15	58km	WME	80.79 341 ePc	07 41.80	0.0	LOMF	82.77 331 P	07 52.52	0.2	
CAN	77.17	175 eP	07 23.90	1.6	CIN	80.82 313 iPc	07 43.00	0.8	AGG	82.79 317 i(P)c	07 51.66	-0.8	
		i	07 39.80	57km	AFIF	80.82 294 iPc	07 44.60	2.0	TMA	83.08 330 iPc	07 53.90	-0.1	
BRG	77.24	330 iP	07 22.60	0.0	KNT	80.88 318 i(P)c	07 42.93	0.4	IGT	83.39 319 i(P)c	07 55.58	0.0	
	Z	22s	1.20um	5.2MsZ	LJU	80.89 326 iPc	07 42.50	0.1	MMK	83.46 330 ePc	07 56.50	0.4	
	N	22s	0.92um		PLE	80.90 322 iPc	07 43.65	0.9	ACO	83.52 45 iPc	07 56.50	0.2	
	E	22s	0.63um		SOH	80.91 318 i(P)c	07 42.70	0.0	DIX	83.64 330 ePc	07 57.70	0.6	
CLL	77.24	330 iPc	07 22.40	-0.2	SNF	80.92 335 iPc	07 42.40	-0.1	EMS	83.83 331 ePc	07 58.20	0.3	
	1.1s	135.00nm		5.9mb	OUR	80.96 317 i(P)c	07 43.30	0.4	LOR	83.87 333 iPc	07 57.90	0.0	
	Z	20s	1.00um	5.1MsZ	SKO	80.98 320 iPc	07 44.00	1.0		0.9s	134.95nm	6.0mb	
VRAC	77.44	327 iPc	07 24.60	0.9		0.9s	200.00nm	6.0mb	Z	26s	1.42um	5.2MsZ	
	1.0s	171.70nm		6.0mb	Z	19s	0.78um	5.1MsZ	FLN	83.94 336 iPc	07 58.10	0.0	
PRU	77.72	329 iPc	07 25.50	0.3		i	08 06.00	82kmX		0.9s	54.70nm	5.6mb	
	0.9s	83.80nm		5.7mb		e	10 46.00		Z	23s	0.65um	4.9MsZ	
	Z	22s	0.80um	5.0MsZ	YRC	80.99 341 eP	07 41.70	-1.1	LDF	83.98 336 iPc	07 58.20	-0.1	
		i	07 30.80	17kmX	VBV	81.02 326 iPc	07 43.00	-0.1		0.8s	33.60nm	5.4mb	
		e	07 44.20		WATA	81.02 329 iPc	07 43.60	0.3	FIR	84.08 327 eP	07 59.50	0.6	
		e	07 48.80			i	07 49.90	20kmX	LBF	84.08 333 iPc	07 58.90	-0.1	
GOL	77.98	47 ePc	07 27.79	0.6						0.8s	83.80nm	5.8mb	
	1.2s	47.08nm		5.4mb	HOFF	81.02 332 P	07 43.49	0.5	SSF	84.17 333 iPc	07 59.50	0.1	
		e	07 44.92	62km	IVA	81.02 321 iPc	07 44.08	0.8		0.8s	73.05nm	5.8mb	
GLD	78.02	47 eP	07 28.38	1.0	WLF	81.03 333 iPd	07 43.75	0.7	LSD	84.27 330 P	08 00.71	0.5	
	1.1s	54.96nm		5.5mb		1.0s	49.20nm	5.4mb	HYF	84.28 334 iPc	08 00.50	0.6	
		e	07 44.77	59km	LANF	81.04 332 P	07 43.41	0.2	LPL	84.37 331 iPc	08 01.20	0.5	
ZST	78.11	326 iP	07 28.20	0.8	WTTA	81.06 329 iPc	07 44.00	0.5		0.9s	66.50nm	5.7mb	
	1.0s	43.20nm		5.4mb		0.7s	51.60nm	5.6mb	GRR	84.38 336 iPc	08 00.60	0.2	
		e	36 31.80			i	07 50.30	20kmX		0.8s	72.80nm	5.8mb	
NWAO	78.12	202 iPd	07 28.30	0.8	SRBF	81.08 332 P	07 43.74	0.4	LPG	84.38 330 iPc	08 01.50	0.7	
	0.9s	54.00nm		5.5mb	VOY	81.16 327 ePc	07 43.20	-0.8		1.1s	117.70nm	5.9mb	
WIT	78.18	334 eP	07 29.00	1.3		esP	08 08.90		SMF	84.42 333 iPc	08 00.80	0.2	
MJMA	78.23	294 ePc	07 27.50	-1.1	DOU	81.18 334 Pc	07 43.30	-0.6		0.9s	117.60nm	5.9mb	
MOX	78.29	331 iPd	07 28.60	0.2		0.8s	53.30nm	5.5mb	AVF	84.46 333 iPc	08 01.20	0.4	
	1.0s	80.00nm		5.7mb		e	07 59.80	59km		0.8s	149.90nm	6.1mb	
	Z	22s	1.10um	5.1MsZ	MOTA	81.20 329 iPc	07 44.50	0.3	RSP	84.49 330 P	07 59.98	-1.1	
		e	17 56.00			0.9s	141.00nm	5.9mb	PCP	84.52 329 P	08 00.57	-0.6	
VKA	78.38	327 iPc	07 29.40	0.5		i	07 50.50	19kmX	BHB	84.75 330 P	08 00.85	-1.5	
HOF	78.46	330 iPc	07 29.40	0.0	PVY	81.20 321 iPc	07 44.59	0.3	LPF	84.76 336 iPc	08 02.70	0.5	
					THE	81.25 318 i(P)c	07 44.38	0.0		0.8s	53.35nm	5.7mb	

11d 05h

BGF 84.83 333 iPc 08 03.00 0.3
0.8s 37.35nm 5.5mb
RRL 84.86 330 P 08 01.95 -1.2
DHJN 84.91 289 iPc 08 05.10 1.3
ROB 84.99 329 P 08 02.00 -1.5
ABHA 85.03 290 iPc 08 06.50 2.1
PZZ 85.10 330 P 08 01.58 -2.6
ENR 85.21 329 P 08 01.62 -3.1X
MAF 85.22 333 iPc 08 05.50 0.9
0.8s 121.95nm 6.1mb
STV 85.24 329 P 08 01.58 -3.2X
MEO 85.26 46 iPd 08 05.40 0.4
TCF 85.28 334 iPc 08 05.50 0.5
0.8s 29.95nm 5.5mb
OCO 85.29 45 iPc 08 06.30 1.1
IMI 85.30 329 P 08 03.32 -1.8
SAOF 85.37 329 P 08 05.08 -0.3
TOUF 85.46 329 P 08 06.04 -0.1
SBF 85.52 329 iPc 08 05.90 -0.3
0.9s 132.35nm 6.1mb
LSF 85.54 334 iPc 08 06.80 0.6
0.9s 101.55nm 6.0mb
REVFF 85.65 329 P 08 06.60 -0.3
MFF 85.76 335 iPc 08 08.10 0.8
0.9s 136.30nm 6.1mb
CALN 85.82 329 P 08 07.68 -0.2
TUL 85.87 44 iP 08 08.80 0.8
PGF 86.02 328 iPc 08 08.50 -0.3
0.8s 16.10nm 5.2mb
FRF 86.07 330 iPc 08 08.80 -0.1
1.1s 72.55nm 5.8mb
LMQ 86.19 22 eP 08 09.00 -0.4
1.0s 46.00nm 5.6mb
LRG 86.27 330 iPc 08 10.00 0.2
0.9s 138.25nm 6.1mb
LMR 86.32 330 iPc 08 10.20 0.1
1.0s 146.40nm 6.1mb
RJF 86.38 334 iPc 08 11.10 0.7
1.0s 75.40nm 5.8mb
Z 25s 0.82um 5.0MsZ
LTX 86.40 53 eP 08 10.09 -0.8
eP 08 26.52 58km
SLM 86.46 39 P 08 20.00 9.1X
Z 21s 2.23um 5.5MsZ
CAF 86.53 333 iPc 08 12.40 1.2
0.9s 178.85nm 6.3mb
FVM 86.89 39 ePc 08 13.19 0.2
0.8s 29.01nm 5.5mb
LFF 86.96 334 iPc 08 14.40 1.2
1.1s 236.40nm 6.3mb
LPO 87.04 334 iPc 08 14.70 1.1
0.9s 114.35nm 6.1mb
CBM 87.35 21 ePc 08 14.92 -0.1
0.9s 77.70nm 5.9mb
RSNY 87.65 26 eP 08 31.16 57km
0.9s 35.23nm 5.6mb
UYO 87.91 44 iPd 08 18.30 0.3
ELC 88.02 39 eP 08 18.45 0.0
MIAR 88.07 43 ePc 08 19.04 0.3
1.0s 43.56nm 5.6mb
YSNY 88.10 29 P 08 30.00 11.2X
Z 19s 5.74um 6.0MsZ
LSPF 88.33 332 P 08 20.76 0.9
PERF 88.39 331 P 08 20.31 0.1
LESF 88.47 333 P 08 21.63 1.1
GRBF 88.55 332 P 08 21.40 0.4
LBNH 88.74 24 eP 08 21.19 -0.6
0.9s 36.94nm 5.7mb
EPF 88.79 333 iPc 08 22.40 0.3
1.1s 31.00nm 5.5mb
PAND 88.82 332 P 08 23.04 0.6
LMN 89.18 19 ePd 08 24.50 0.6
BINY 89.25 28 ePd 08 24.68 0.4
1.0s 64.85nm 5.9mb
HRV 90.42 25 eP 08 30.60 0.9
1.0s 92.15nm 6.1mb
LSCT 90.64 26 ePc 08 30.90 0.2
0.9s 102.66nm 6.2mb
EBR 90.70 332 eP 08 31.00 0.1
PNJ 91.02 27 iP 08 33.26 0.8

MYNC 92.17 37 P 08 50.00 12.1X
Z 21s 2.91um 5.7MsZ
PAB 93.45 335 iPc 08 43.60 -0.2
LSZ 118.14 275 iPKPc 14 16.80 0.9
BUL 120.84 270 PKPc 14 21.10 0.1
1.1s 6.96nm
TIC 123.27 320 PKP 14 25.16 -0.4
0.9s 10.50nm
KIC 123.38 320 PKP 14 25.38 -0.4
1.0s 24.00nm
LIC 123.64 320 PKP 14 25.88 -0.4
0.8s 6.50nm
SLR 124.37 265 ePKP 14 22.00 -5.6X
0.8s 40.00nm
NVL 142.21 204 ePKP 14 55.00 -4.6X
LPZ 143.25 55 PKP 15 02.00 -1.8
LR 41 50.00
LPB 143.46 55 PKP 15 03.00 -0.8
Z 16s 2.02um 6.0MsZ
LR 43 10.00
CNCB 143.74 55 PKP 15 03.00 -1.5
CCH 145.30 54 PKP 15 06.20 -0.6
SNA 146.50 201 ePKP 15 07.00 0.2
0.7s 30.00nm
SIV 147.05 45 PKP 15 09.90 0.5
SOB1 147.19 6 ePKP 15 12.10 2.4
e 15 19.20
YJA 149.28 59 ePKPc 15 15.00 1.7
SLA 151.09 62 ePKPd 15 21.80 6.2X
RTRS 151.70 76 ePKP 15 24.00 7.9X
BAO 152.19 22 ePKP 15 18.30 0.9
i 15 25.00
i 15 35.30
PEL 152.33 82 iPKP 15 24.50 7.5X
0.8s 104.48nm
PPD 156.92 35 ePKP 15 25.80 2.3
RSTA 160.19 33 (PKP) 15 45.00 17.9X
S.D. = 0.8 on 419 of 445 obs.
* SEP 11, 1993 05h 04m 39.12± 1.31s
13.935 N ±19.0km 93.209 W ± 6.8km
DEPTH = 33.0km (normal)
4.4mb (2 obs.)
OFF COAST OF CHIAPAS, MEXICO (68)
MD 4.8 (GCG).
TPX 1.33 43 iPd 05 00.54 -1.0
GCG 2.67 76 eP 05 22.86 1.9
IXG 2.68 85 eP 05 21.12 0.0
SCX 2.84 11 iPc 05 23.39 0.3
iS 05 56.15
YUP 3.32 85 eP 05 30.52 0.4
OXX 4.61 313 iP 05 47.77 -0.8
LVVM 6.55 332 (P) 06 11.17 -4.5X
IIT 7.04 317 (P) 06 24.00 1.2
ACX 7.05 295 (P) 06 23.61 0.9
PPM 7.28 315 eP 06 27.72 1.3
(S) 07 59.31
IIA 7.36 316 ePc 06 27.85 0.8
III 7.46 307 iPc 06 28.24 -0.4
MRX 9.56 308 (P) 06 53.17 -4.3X
PV08 28.09 334 ePc 10 30.55 0.3
pP 10 36.02 19kmX
ARUT 29.80 327 eP 10 46.20 0.8
YKA 50.83 347 eP 13 36.90 -1.4
0.7s 4.20nm 4.5mb
INK 60.17 344 eP 14 44.50 -1.2
FBA 62.84 337 (P) 15 02.30 -1.4
0.8s 1.86nm 4.3mb
TTA 65.43 333 (P) 15 19.06 -1.7
GBA 151.11 19 PKP 24 32.00 6.8X
S.D. = 1.2 on 17 of 20 obs.
? SEP 11, 1993 05h 19m 03.76± 2.69s
38.411 N ±18.3km 20.252 E ±30.8km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.0 (ATH).
VLS 0.35 131 ePg 19 11.00 -0.1
eSg 19 18.00
KEK 1.35 345 ePb 19 29.00 0.5
KZN 2.23 31 ePn 19 42.00 0.6
eSg 20 08.00
VLI 2.72 128 ePg 19 56.60 8.3X
OHR 2.73 9 ePn 19 47.40 -1.1
S.D. = 1.3 on 4 of 5 obs.

? SEP 11, 1993 05h 22m 41.25± 3.18s
53.762 N ±70.7km 164.664 W ±33.9km
DEPTH = 33.0km (normal)
4.2mb (4 obs.)
UNIMAK ISLAND REGION (10)
SDN 2.90 55 eP 23 27.08 1.1
ADK 7.52 260 eP 24 29.83 -1.5
TTA 10.24 23 (P) 25 00.44 -8.6X
1.2s 3.65nm 4.5mb
KLU 12.64 45 eP 25 39.00 -2.4
INK 20.62 33 eP 27 24.50 4.7X
1.0s 4.00nm 3.7mb
MAT 42.56 270 eP 30 35.00 -0.3
1.0s 6.00nm 4.3mb
KAF 64.14 354 eP 33 14.30 0.3
HFS 66.45 1 eP 33 29.00 0.2
0.4s 0.80nm 4.2mb
Z 19s 0.77um 4.9MsZ
LR 06 32.00
CTB 73.10 259 eP 34 06.00 -4.1X
GUN 78.48 302 P 34 42.20 1.4
KKN 78.88 302 P 34 44.20 1.3
S.D. = 1.6 on 8 of 11 obs.
SEP 11, 1993 05h 23m 18.91± 0.34s
14.391 N ± 7.0km 92.983 W ± 5.2km
DEPTH = 33.0km (normal)
4.9mb (45 obs.) 5.2MsZ (12 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
TPX 0.87 54 iPd 23 38.59 3.9X
PCG 2.30 90 eP 23 57.28 1.7
SCX 2.36 8 iP 24 02.06 6.0X
iS 24 34.26
GCG 2.38 85 eP 23 59.43 2.8
eS 24 35.94
IXG 2.46 95 eP 23 58.78 1.0
eS 24 31.10
YUP 3.09 93 eP 24 08.63 1.9
OXX 4.49 307 iP 24 26.89 0.3
iS 25 25.50
LVVM 6.26 329 (P) 24 48.57 -2.9X
IIT 6.87 313 iP 25 03.61 3.4X
(S) 26 24.85
ACX 7.07 291 iP 24 59.50 -3.3X
PPM 7.13 311 eP 25 06.12 2.0
(S) 26 43.34
IIA 7.21 312 iPd 25 06.66 2.0
iS 26 36.24
III 7.38 303 ePd 25 07.17 -0.1
UNM 7.70 310 (P) 25 13.00 1.1
CRX 8.12 309 (P) 25 20.20 2.4
MRX 9.46 305 iPc 25 37.16 1.2
CGX 11.33 299 (P) 26 03.70 2.0
LTX 17.85 328 eP 27 25.87 -0.7
UYO 19.73 356 iPd 27 47.80 -1.1
MIAR 20.07 359 eP 27 50.32 -2.1
0.9s 77.36nm 5.0mb
PSO 20.29 129 eP 27 57.00 1.8
MEO 20.92 347 iPd 28 01.10 -0.1
BOG 21.01 116 eP 28 06.00 3.4X
eS 32 09.00
OCO 21.43 350 iPc 28 08.50 2.2
TUL 21.58 354 iP 28 09.30 1.5
MYNC 22.09 20 eP 28 14.04 1.1
0.9s 26.52nm 4.7mb
SDV 22.55 102 eP 28 19.20 1.3
ACO 22.89 347 iPc 28 21.50 0.7
ELC 23.04 8 (P) 28 21.30 -1.0
TOV 23.13 99 eP 28 25.00 1.7
FVM 23.61 5 (P) 28 27.77 0.0
1.0s 22.52nm 4.6mb
ALQ 23.80 332 eP 28 31.05 1.2
0.9s 20.74nm 4.7mb
TUC 24.13 321 eP 28 34.39 1.5
1.3s 111.20nm 5.2mb
CEH 24.77 28 eP 28 38.36 -0.7
1.1s 38.67nm 4.9mb
Z 18s 12.11um 5.4MsZ
CAR 25.73 96 iPc 28 48.50 0.1
GLA 27.19 317 eP 29 00.36 -1.3
GLD 27.45 339 eP 29 04.03 -0.1
1.5s 37.57nm 4.8mb
CBN 27.45 27 e(P) 29 04.00 0.1
GOL 27.46 339 eP 29 04.49 0.2

0.9s	17.94nm	4.7mb	0.7s	8.95nm	4.9mb	CNPM	0.57	166	iP	44	46.88	-0.7						
Z 20s	1.05um	4.4Msz	TCF	83.27	44 eP	35	41.70	-2.0	eS	44	56.03							
PV08	27.79	333 eP	29	06.69	-0.6	XLV	0.63	190	eP	44	48.42	0.1						
PV10	27.80	332 eP	29	06.90	-0.4	MAF	83.53	44 eP	35	43.10	-1.9	RD	0.67	318	iP	44	48.12	-0.8
PV09	27.94	332 eP	29	08.94	0.3	1.0s	7.20nm	4.8mb	eS	44	58.77							
PLM	28.74	315 eP	29	16.25	0.4	AVF	83.92	43 eP	35	44.80	-2.1	RED	0.72	299	iP	44	48.79	-0.7
SRU	29.07	331 eP	29	18.72	0.0	0.5s	1.80nm	4.5mb	eS	44	59.81							
PEC	29.26	316 eP	29	19.78	-0.5	SSF	83.95	43 eP	35	45.70	-1.4	REF	0.73	305	iP	44	48.99	-0.7
1.3s	44.60nm	5.0mb	0.8s	6.05nm	4.8mb	0.8s	6.05nm	4.8mb	eS	45	00.00							
MSU	29.41	328 eP	29	21.54	-0.3	LOR	84.13	43 eP	35	46.40	-1.7	ILIM	0.73	271	iP	44	48.82	-0.8
ARUT	29.54	326 eP	29	23.61	0.7	1.0s	6.20nm	4.7mb	eS	44	59.69							
EMUT	29.77	332 eP	29	25.59	0.5	Z 23s	0.75um	5.0MszX	RDW	0.77	303	iP	44	49.47	-0.7			
GSC	29.87	318 eP	29	27.11	1.3	NB2	84.26	28 P	35	48.80	0.4	eS	45	01.07				
DAU	30.45	332 eP	29	31.39	0.2	1.6s	35.50nm	5.3mb	SLKM	0.77	55	iP	44	48.82	-1.3			
YSNY	30.64	21 P	29	40.00	7.6X	LBF	84.28	43 eP	35	46.70	-2.2	eS	45	01.73				
Z 19s	5.68um	5.2Msz	0.9s	5.10nm	4.7mb	ENN	84.52	39 eP	35	51.00	1.2	INE	0.78	270	iP	44	49.49	-0.9
DUG	31.02	330 eP	29	36.05	0.1	0.7s	7.90nm	5.0mb	DFR	0.79	312	iP	44	49.45	-0.9			
1.9s	40.63nm	4.9mb	85.72	29 eP	35	55.60	-0.1	eS	45	00.87								
Z 20s	2.19um	4.8Msz	0.5s	1.80nm	4.5mb	HFS	85.89	42 eP	35	55.40	-1.6	INW	0.82	270	iP	44	50.00	-0.7
RSSD	31.10	344 eP	29	36.46	-0.2	BSF	85.89	42 eP	35	55.40	-1.6	iS	45	01.95				
0.8s	17.22nm	4.9mb	1.1s	12.70nm	5.1mb	CDF	86.03	41 eP	35	56.90	-0.7	NCT	0.86	305	iP	44	50.60	-0.7
ISA	31.17	317 eP	29	36.15	-1.1	1.0s	9.00nm	5.0mb	OPT	0.97	245	eP	44	52.25	-0.4			
BINY	31.36	25 P	29	50.00	11.2X	TIC	86.41	84 P	36	01.61	1.6	eS	45	05.76				
Z 20s	3.43um	5.0Msz	1.0s	10.00nm	5.0mb	LIC	86.50	85 P	35	59.83	-0.6	SEW	1.03	88	eP	44	52.96	-0.4
BW06	31.68	336 eP	29	41.15	-0.7	1.3s	31.00nm	5.4mb	BKG	1.07	340	iP	44	53.30	-0.7			
1.3s	19.59nm	4.8mb	Z 21s	6.75um	6.0Msz	KIC	86.75	84 P	36	03.29	1.7	MPA	1.14	68	iP	44	54.98	0.0
LSCT	32.14	28 P	29	50.00	4.4X	1.0s	15.50nm	5.2mb	SPU	1.14	346	iP	44	59.51				
Z 19s	7.09um	5.4Msz	LMR	87.00	46 eP	36	00.90	-1.4	eS	45	07.51							
HVU	32.23	332 eP	29	46.68	0.1	1.3s	26.00nm	5.3mb	CKT	1.18	343	iP	44	55.21	-0.4			
BONR	32.47	321 eP	29	49.32	0.5	GR												

11d 05h

SLKI	2.47	176	iPc	59	15.00	1.2	HOBC	8.99	1	eP	16	34.62	-1.5	YSNY	46.98	358	ePd	22	48.38	0.0	
AAI	3.43	302	eP	59	26.50	-0.5	BOG	9.52	14	iPd	16	46.00	2.5	DLA	1.0s	415.48nm			6.1mb		
MTN	7.30	180	eP	00	20.00	-0.5	FUQ	10.42	14	iPc	16	57.00	1.6	TYNO	47.56	355	P	22	51.85	-1.0	
	0.3s	240.00nm				6.3mb X	ARE	12.62	158	eP	17	28.00	3.6X	LDN	47.71	355	P	22	52.95	-1.0	
KNA	10.44	193	eP	01	01.80	-1.5	LPAZ	14.05	146	P	17	37.10	-6.2X	STCO	47.74	357	P	22	52.80	-1.4	
			eS	01	39.00		LPB	14.27	146	P	17	41.30	-4.5X	ELF	47.87	355	P	22	54.15	-1.1	
WB2	14.70	168	eP	01	44.60	-14.6X	CNCB	14.56	146	P	17	45.60	-4.1X	ACTO	48.19	356	P	22	55.65	-2.0	
			eS	02	53.00		SDV	14.63	23	ePc	17	50.00	-0.2	WLVO	48.42	358	P	22	57.92	-1.5	
QIS	17.08	152	eP	02	28.50	-0.7	TOV	15.78	24	ePc	18	02.90	-1.7	ALQ	48.56	327	iPd	23	01.73	0.8	
			eS	05	25.00					iPP	18	03.90			0.9s	117.84nm			5.7mb		
ASPA	18.26	172	eP	02	43.20	-0.4	CCH	16.08	142	P	18	08.20	-0.4		epP			23	29.93	121km	
			iS	05	57.20		CANV	17.31	25	iPc	18	24.30	0.8		e			23	41.04		
MBL	19.03	214	iPd	02	52.80	0.6	MORO	17.39	27	iPd	18	24.80	0.3	LBNH	48.87	4	ePd	23	03.13	0.3	
	0.3s	8.00nm				4.5mb	OLLA	17.42	33	iPd	18	24.50	-0.3		1.2s	124.04nm			5.6mb		
CTA	20.66	136	eP	03	15.00	5.9X	CAR	17.76	32	iPd	18	28.00	-1.0		19s	0.48um			4.5MsZ		
NANU	22.69	220	eP	03	30.70	1.5				iPP	21	44.50		RSNY	49.04	2	ePc	23	04.25	0.1	
MAT	42.35	8	eP	06	21.00	-0.2	GUAN	18.02	36	eP	18	31.40	-0.8		1.0s	107.00nm			5.6mb		
	0.9s	5.88nm				4.4mb	SIV	18.72	128	P	18	36.80	-3.0	TUC	49.26	321	ePd	23	07.01	0.8	
GUN	54.84	310	P	07	58.60	0.4	YJA	20.29	150	ePd	18	56.00	-0.5		0.7s	52.92nm			5.5mb		
KKN	55.24	309	P	08	00.40	-0.5	HJA	21.22	151	ePd	19	09.90	4.6X	LMN	51.35	10	ePd	23	21.10	-0.7	
	0.8s	20.00nm				5.2mb	SLA	22.48	153	eP	19	19.80	1.9	GLD	51.61	332	ePd	23	24.31	0.2	
DMN	55.28	309	P	08	01.40	0.1	MGP	24.32	22	P	19	39.20	3.6X		1.4s	235.88nm			5.9mb		
	S.D. = 0.9	on 13 of 15 obs.					MGP	24.32	22	P	19	35.50	-0.1			epP			23	52.09	118km
							BIM	24.35	38	eP	19	36.80	0.9	GOL	51.64	331	ePd	23	24.33	-0.1	
							FDF	24.46	38	eP	19	36.70	-0.3		0.8s	147.54nm			5.9mb		
SEP 11, 1993 06h 14m 27.70±0.12s							MVM	24.48	38	eP	19	36.10	-1.0			epP			23	51.96	117km
4.689 S ± 2.3km 76.318 W ± 2.6km							PORP	24.53	23	P	19	37.10	-0.5	CBM	51.91	7	ePd	23	25.70	-0.2	
DEPTH = 120.5km (60 depth phases)									S		38	16.10			1.0s	150.89nm			5.9mb		
5.6mb (95 obs.)														LMQ	52.28	5	eP	23	28.50	-0.2	
NORTHERN PERU (111)							CLLP	24.58	23	P	19	37.20	-0.8		1.0s	57.00nm			5.4mb		
Mw 5.7 (GS), 5.7 (HRV). Felt							CRM	24.62	38	eP	19	37.50	-0.9	GLA	52.34	319	ePd	23	29.97	0.5	
(IV) at Moyobamba and Rioja,							MCP	24.69	21	P	19	39.20	0.1			epP			23	57.49	116km
(III) at Yurimaguas and (II) at							SJG	24.78	24	P	19	39.11	-0.8			ePcP			24	36.63	
Tarapoto.								0.8s	229.60nm				5.7mb	PV08	52.43	328	iPd	23	30.49	0.1	
FAULT PLANE SOLUTION: P-Waves							CPD	24.81	24	P	19	39.20	-1.0			iPcP			24	39.78	
NP1:Strike=345 Dip=55 Slip=-90							CPD	24.81	24	P	19	39.30	-0.9	PV10	52.49	328	iPd	23	30.00	-0.8	
NP2: 165 35 -90							APR	24.86	22	P	19	40.00	-0.6	PV09	52.63	328	iPd	23	31.88	0.0	
Principal Axes:							LPR	25.07	24	P	19	41.70	-0.9	SRU	53.82	327	iPd	23	40.41	0.0	
T Plg=10 Azm= 75							CYA	25.65	158	ePd	19	47.80	-0.2			epP			24	09.83	124km
P 80 255							RTRS	26.16	166	eP	19	54.00	1.5	PLM	53.88	318	ePd	23	41.07	0.1	
Comment: The focal mechanism is							RTPR	27.11	161	eP	20	01.00	-0.1			epP			24	10.51	125km
poorly controlled and							TCA	28.71	159	iP	20	15.00	-0.7	MSU	54.31	326	iPd	23	44.31	0.2	
corresponds to normal							PEL	28.79	170	iP	20	17.00	0.6			epP			24	13.18	122km
faulting. The preferred fault								1.3s	403.85nm				5.9mb			ePcP			24	47.25	
plane is NP1.							PPD	29.73	128	eP	20	22.40	-2.4			epPcP			25	18.18	
MOMENT TENSOR SOLUTION								e			20	23.80	5kmX	PEC	54.40	318	iPd	23	44.77	0.2	
Dep 120 No. of sta: 20							BAO	29.88	113	eP	20	22.10	-4.3X		0.9s	54.26nm			5.5mb		
Moment Tensor; Scale 10**17 Nm								e			30	24.00				epP			24	14.10	124km
Mrr=-4.34 Mtt= 0.58							RSTA	32.89	130	eP	20	40.60	-11.8X	EMUT	54.49	328	iPd	23	45.38	0.0	
Mff= 3.76 Mrt=-0.66							VAO2	34.14	126	eP	21	02.00	-1.4	ARUT	54.54	324	iPd	23	46.23	0.5	
Mrf=-1.19 Mtf=-1.89							SOB1	35.43	99	eP	21	12.80	-1.6			epP			24	15.28	122km
Principal axes:							MYNC	40.23	350	ePd	21	54.19	0.1			epP			23	46.04	-0.2
T Val= 4.71 Plg= 5 Azm= 66								0.9s	114.68nm				5.7mb	RSSD	54.61	336	iPd	23	46.04	-0.2	
N -0.02 14 157							CEH	40.45	357	eP	21	55.85	0.1		0.8s	123.74nm			5.9mb		
P -4.69 75 316								0.8s	91.25nm				5.6mb	SSK	54.94	318	iPd	23	49.13	0.4	
Best Double Couple:Mo=4.7*10**17							TKL	40.74	351	eP	21	58.27	0.0			epP			24	18.31	123km
NP1:Strike=141 Dip=42 Slip=-111							UYO	42.27	337	iPd	22	11.00	0.2	GSC	55.02	320	iPd	23	49.52	0.4	
NP2: 349 52 -72							MIAR	42.28	339	iPd	22	10.14	-0.7			epP			24	18.93	124km
CENTROID, MOMENT TENSOR (HRV)								0.8s	22.79nm				5.0mb	DAU	55.15	328	iPd	23	50.52	0.3	
Data Used: GDSN								Z 20s	0.64um				4.5MsZ			epP			24	19.93	124km
L.P.B.: 53S, 87C								e			26	08.58				ePcP			24	50.20	
Centroid Location:								S			28	13.40		DUG	55.84	327	iPc	23	55.26	0.3	
Origin Time 06:14:31.2 0.2							CBN	42.69	359	iPd	22	20.00	5.9X		1.5s	525.35nm			6.3mb		
Lat 4.81S 0.02 Lon 76.24W 0.02								0.9s	62.50nm				5.4mb			epPd			24	24.32	122km
Dep 132.2 1.0 Half-duration 1.8							LTX	42.82	324	eP	22	15.61	0.1	BW06	56.02	331	iPd	23	55.53	-0.9	
Moment Tensor; Scale 10**17 Nm									ePcP		24	04.25			1.3s	171.75nm			5.9mb		
Mrr=-4.03 0.08 Mtt= 0.21 0.13							ELC	43.46	345	ePd	22	18.33	-2.0			epP			23	58.27	-0.2
Mff= 3.82 0.14 Mrt=-0.87 0.08									ePcP		22	44.39	113km	ISA	56.32	319	ePd	23	58.27	-0.2	
Mrf=-0.60 0.10 Mtf=-0.93 0.13									ePcP		24	05.56			0.8s	26.81nm			5.3mb		
Principal Axes:							TUL	44.32	337	iP	22	27.50	0.1			epP			24	27.81	124km
T Val= 4.07 Plg= 3 Azm= 77							FVM	44.43	344	ePd	22	26.56	-1.7	ABL	56.34	318	iPd	23	58.66	-0.1	
N 0.21 13 168								0.9s	175.68nm				5.8mb			epP			24	27.59	121km
P -4.28 77 335									epP		22	52.13	110kmX	HVU	56.93	328	iPd	24	02.10	-0.6	
Best Double Couple:Mo=4.2*10**17							MEO	44.51	334	iPc	22	29.60	0.6			ePcP			24	55.93	
NP1:Strike=154 Dip=44 Slip=-109							OCO	44.66	335	iPc	22	30.30	0.2	TNP	57.00	322	iPd	24	03.45	0.1	
NP2: 359 49 -73							CCM	44.73	343	eP	22	29.18	-1.4		0.7s	23.46nm			5.3mb		
								0.7s	62.62nm				5.5mb			epP			24	32.73	122km
PSO 5.93 350 eP 15 56.50 1.6									ePcP		24	10.81		BCH	57.11	318	eP	24	03.85	-0.2	
PURC 6.96 360 eP 16 09.13 0.0							PNJ	45.42	2	iP	22	36.28	0.4			epP			24	32.82	121km
NNA 7.27 184 iPc 16 17.00 4.2X							PAL	45.52	3	ePd	22	38.15	1.4	ULM	57.27	345	ePd	24	05.50	0.7	
	0.3s	233.77nm				6.2mb		0.8s	7336.80nm				7.5mb X								

MMPM	57.84	320	ePd	24	09.44	0.0	EHUE	80.12	51	iPd	26	26.25	0.2		1.1s	69.35nm	5.5mb			
			ePp	24	38.82	122km	ENIJ	80.22	51	iPc	26	26.44	-0.1	ETER	85.16	47	iPd	26	51.97	0.3
JAQ	58.28	0	ePc	24	09.80	-1.9	EVIA	80.38	50	iPd	26	27.69	0.2	PERF	85.20	47	P	26	52.21	0.3
			pP	24	38.00	116km	ETOR	81.24	48	iPd	26	32.54	0.7	SPA	85.35	180	iPd	26	53.10	0.7
CMB	58.96	320	iPd	24	16.43	-0.4	ECRI	81.35	46	iPd	26	33.08	0.7		0.6s	146.34nm	6.1mb			
	0.9s	30.63nm			5.3mb		ECB	81.40	36	iPd	26	32.20	-0.1	TCF	85.47	43	iPd	26	52.80	-0.4
ARN	59.30	319	iPd	24	19.41	0.2	ECP	81.58	36	iPd	26	33.20	0.0		1.1s	33.20nm	5.2mb			
			ePp	24	47.28	114km		0.9s	165.00nm		5.8mb		MAF	85.70	43	eP	26	54.10	-0.2	
LRM	59.68	331	ePd	24	21.50	-0.4	AKU	81.75	21	iP	26	34.60	0.7		1.2s	60.40nm	5.4mb			
ORV	60.55	321	iPd	24	28.00	0.4		0.9s	30.25nm		5.1mb		PYM	85.91	44	P	26	55.53	0.1	
NTYM	60.63	319	eP	24	28.13	0.0	ETA	81.84	35	iPd	26	34.60	0.1	BGF	85.96	43	eP	26	55.20	-0.4
WDC	61.80	321	ePd	24	34.00	-2.0	DLF	81.85	35	eP	26	34.40	-0.2		1.2s	80.95nm	5.5mb			
	0.7s	46.51nm			5.6mb		RAR	82.23	249	(P)	26	38.61	1.4	LBL	85.98	44	P	26	56.15	0.3
LBFM	61.84	322	iPd	24	36.04	-0.6	BALM	82.75	333	iPd	26	40.02	0.7	PMR	86.01	333	iPd	26	55.40	-0.1
LGPM	62.17	322	P	24	30.60	-8.0X	YRH	82.79	35	ePd	26	39.80	0.3		0.8s	44.62nm	5.5mb			
LGPM	62.17	322	ePd	24	37.23	-1.4		e	27	10.40	119km				ePp	27	25.47	116km		
KMPM	62.70	320	iPd	24	42.49	0.4	INK	82.80	342	ePd	26	39.70	0.4	AGO	86.05	43	P	26	55.90	-0.2
			ePp	25	12.15	122km		1.0s	90.00nm		5.6mb		SLKM	86.21	332	iPd	26	56.44	-0.1	
FHC	62.83	321	ePd	24	43.39	0.5			pP	27	11.50	124km			ePp	27	27.59	120km		
	0.7s	115.97nm			5.9mb		EGRA	82.83	47	iPd	26	43.34	3.4X	AVF	86.34	43	iPd	26	56.90	-0.5
VIPM	63.02	326	P	24	44.47	0.2	YRC	82.95	35	eP	26	39.70	-0.6		1.1s	20.25nm	5.0mb			
JBO	63.19	327	P	24	45.35	0.2	EROQ	83.06	48	iPd	26	41.72	0.5	PLDF	86.37	43	P	26	57.45	-0.3
CROR	63.52	326	P	24	48.14	0.7	EBR	83.12	48	eP	26	43.00	1.5	COL	86.47	336	ePd	26	57.71	0.0
NEW	63.66	331	ePd	24	47.74	-0.5			e	37	40.00			0.7s	41.20nm	5.5mb				
	0.9s	146.85nm			5.9mb		HCG	83.21	36	eP	26	40.50	-1.2	FBA	86.47	336	ePd	26	57.47	-0.2
			ePp	25	17.28	121km			e	27	12.40	125km			0.7s	27.16nm	5.3mb			
VGB	63.74	327	ePd	24	49.06	0.3	EPF	83.49	46	iPd	26	44.20	0.8			ePp	27	28.56	120km	
WAH2	63.88	328	P	24	49.90	0.3		1.5s	175.50nm		5.7mb		SSF	86.50	42	iPd	26	57.60	-0.6	
VBEM	63.90	326	P	24	50.48	0.5	HGH	83.52	37	eP	26	43.30	0.0		1.5s	54.30nm	5.3mb			
DPW	63.92	330	ePd	24	50.05	0.1			e	27	14.00	119km	KDC	86.61	329	eP	26	57.86	-0.5	
			ePp	25	20.22	123km	KPL	83.64	31	ePd	26	43.60	-0.1		0.6s	13.45nm	5.1mb			
SSOR	64.27	325	P	24	51.63	-0.7	LPF	83.69	41	iPd	26	44.10	-0.1			ePp	27	26.40	109kmX	
SAW	64.42	329	P	24	53.29	0.2		0.9s	64.20nm		5.5mb		SMF	86.65	43	iPd	26	58.60	-0.3	
RNO	64.45	328	P	24	53.88	0.4	KSB	83.72	31	ePd	26	44.00	-0.1		1.2s	42.25nm	5.3mb			
EBG	64.51	324	P	24	54.23	0.5	HAE	83.79	37	ePd	26	44.50	-0.1	LOR	86.77	42	iPd	26	58.80	-0.7
ASR	64.58	327	P	24	54.73	0.4			e	27	15.30	119km		1.3s	30.35nm	5.1mb				
WTV	64.70	329	P	24	55.15	0.2	KAC	83.88	31	ePd	26	45.00	0.1	Z	23s	0.20um	4.5MsZx			
CHIE	64.79	57	iPc	24	55.30	-0.5	GRR	83.90	40	iPd	26	45.30	0.1	LBF	86.80	43	iPd	26	58.90	-0.8
SHW	64.96	327	P	24	56.87	0.1		1.3s	168.25nm		5.8mb			1.5s	36.05nm	5.1mb				
LON	65.07	327	iPd	24	56.84	-0.6	MFF	83.95	42	iPd	26	45.70	0.2	CRP	87.32	332	P	26	56.00	-6.1X
FMW	65.11	327	P	24	57.75	-0.1		0.8s	57.50nm		5.5mb		CRP	87.32	332	ePd	27	01.82	-0.2	
KMOR	65.32	326	P	24	59.68	0.7	KIP	83.99	292	(P)	26	51.20	5.0X	CR2	87.36	332	iPd	27	02.70	0.4
RMW	65.51	328	ePd	24	59.45	-0.8	SALF	84.04	46	P	26	47.13	1.0	AUP	87.47	330	eP	27	02.72	0.0
			ePp	25	29.07	120km	LESF	84.16	46	P	26	47.17	0.5	DAG	87.47	11	iPc	27	04.00	1.7
BMW	65.68	326	iPd	25	01.25	0.0	LFF	84.18	44	iPd	26	47.00	0.3		0.6s	170.00nm	6.2mb			
			ePp	25	31.08	121km		1.0s	118.40nm		5.7mb		SNF	87.63	39	P	27	04.10	0.6	
KDS	65.96	74	iPd	25	03.00	-0.5	FLN	84.23	40	iPd	26	47.20	0.3			e	27	12.90	28kmX	
JCW	66.04	328	P	25	02.71	-0.8		0.8s	73.60nm		5.6mb		UCC	87.72	39	P	27	04.00	0.0	
GMW	66.09	328	iPd	25	03.32	-0.5	Z	19s	0.20um		4.5MsZ				e	38	32.00			
			ePp	25	33.23	122km	PAND	84.25	47	P	26	48.22	0.8	VITF	88.34	42	P	27	06.85	-0.2
ONR	66.22	326	P	25	05.52	0.9	GRBF	84.31	46	P	26	47.50	0.0	TOUF	88.60	46	P	27	08.58	-0.1
STW	66.93	328	P	25	10.40	1.3	EKA	84.36	33	Pc	26	47.60	0.3	AURF	88.64	46	P	27	08.79	0.1
LIC	71.99	82	Pd	25	40.13	-0.6		0.9s	40.10nm		5.3mb		DOI	88.67	45	P	27	09.64	0.9	
	0.9s	50.50nm			5.3mb	LDF	84.42	40	iPd	26	48.00	0.1		0.2s	49.30nm	6.2mb				
TIC	72.05	82	Pd	25	40.54	-0.5		0.9s	90.40nm		5.7mb		WLF	88.67	40	iPd	27	08.84	0.3	
	1.1s	193.00nm			5.8mb	LPO	84.44	44	eP	26	48.20	0.2		1.6s	47.10nm	5.3mb				
KIC	72.29	82	iPd	25	42.08	-0.4		0.9s	75.35nm		5.6mb				id	27	04.46	122km		
	0.5s	36.00nm			5.4mb	MBC	84.52	351	iPd	26	49.90	2.1	ENN	88.70	39	eP	27	19.00	10.4X	
YKA	73.06	342	eP	25	45.70	-0.4		1.4s	993.00nm		6.5mb			1.0s	50.00nm					
	0.8s	94.40nm			5.6mb			pP	27	27.20	148kmX				e	27	20.50	5kmX		
TIO	74.65	56	iPd	25	56.50	0.4			PP	27	29.00				e	27	40.00			
		i	26	26.50	119km			PPP	31	50.30			AUTN	88.73	46	P	27	09.06	-0.2	
AVE	75.16	54	iP	26	00.00	1.2			SKS	36	18.10		SAOF	88.82	46	P	27	09.27	-0.2	
		i	26	30.50	121km			PS	38	15.50		BSF	88.82	42	P	27	08.82	-0.6		
EVAL	76.88	50	iPd	26	08.62	0.3			SS	42	58.30		SVW	88.92	331	ePd	27	08.98	-0.6	
IFR	77.07	54	iP	26	12.00	2.3	KLU	84.53	333	iPd	26	48.51	0.3		1.0s	172.77nm	6.1mb			
		i	26	42.00	118km			ePp	27	19.62	121km				ePp	27	39.01	115km		
TGT	77.26	54	eP	26	08.00	-2.4	ESEL	84.72	49	iPc	26	50.35	0.8	DIX	89.00	44	ePd	27	11.10	0.6
BJIF	77.55	51	eP	26	13.30	1.3	RJF	84.80	44	iPd	26	50.00	0.2	MOF	89.05	42	P	27	09.61	-0.9
EPUR	77.87	51	iPc	26	13.30	-0.5		1.0s	74.40nm		5.5mb		ECH	89.12	42	P	27	10.42	-0.3	
TZK	77.97	54	eP	26	07.00	-7.3X	Z	22s	0.22um		4.5MsZx		IMA	89.15	337	ePd	27	10.79	0.1	
EPLA	78.08	48	iPd	26	14.56	-0.4	VDCF	84.85	47	P	26	50.58	0.4		0.8s	32.69nm	5.5mb			
EHOR	78.08	50	iPd	26	15.17	0.2	NVL	84.99	161	iPd	26	51.00	0.7			ePp	27	41.86	119km	
ELUQ	78.77	50	iPd	26	18.87	0.1		1.6s	167.00nm		5.7mb		CDF	89.22	41	P	27	10.97	-0.4	
BGUA	79.13	51	eP	26	21.05	0.4			iPp	27	23.00	124km	BBS	89.25	42	P	27	11.19	-0.2	
PAB	79.22	48	ePd	26	21.18	0.0			eSP	27	39.00		WLS	89.28	41	P	27	11.09	-0.4	
	1.0s	24.67nm			5.0mb			e	30	59.00		MMK	89.38	44	ePd	27	13.00	0.7		
			ePp	26	47.84	103kmX			e	32	56.00		WTS	89.43	38	iPd	27	12.90	0.9	
ECOG	79.24	51	eP	26	22.08	0.7			eS	37	10.00			0.9s	88.70nm	5.9mb				
VAL	79.25	35	iP	26	21.10	0.2			e	37	34.00				e	27	44.00	119km		
EBAN	79.29	50	iPc	26	21.93	0.4			eSS	38	04.00		TTA	89.46	333	ePd	27	11.28	-0.8	
REY	79.55	21	iP	26	24.50	2.2			ePS	38	20.00			0.7s	13.31nm	5.1mb				
TAF	79.56	54	iP	26	25.00	1.9			eSS	43	28.00			</						

11d 06h

HOFF	89.75	41 P	27 14.10	0.5	SDF	99.18	22 eP	27 56.00	-0.4	Z	18s	1.02um	5.7MsZ
ZLA	89.85	42 ePd	27 14.40	0.2	NUR	99.46	30 eP	27 57.40	-0.3	N	15s	0.61um	
SLE	89.95	42 iPd	27 14.80	0.2	KAF	100.03	28 ePd	28 00.00	-0.3	SSE	149.00	330 PKPd	33 58.50 -0.8
TMA	90.01	44 iPd	27 14.80	-0.3	OBN	106.83	34 ePKP	32 54.00	13.7X	Z	20s	0.90um	5.6MsZ
LLS	90.18	43 ePd	27 16.20	0.2	Z	21s	341.20um	7.9MsZ				PKS	37 32.00
VDL	90.47	44 ePd	27 17.60	0.3			e	33 01.70		TLE	149.21	251 ePKPd	34 06.90 6.8X
SDN	90.51	325 P	27 08.50	-8.4X			e	33 34.90		NJ2	149.29	334 PKPc	33 59.70 0.0
SDN	90.51	325 eP	27 16.34	-0.6			(SKS)	39 18.30				PKS	37 30.00
	0.7s	50.18nm		5.8mb			(PS)	42 18.70		MBL	149.82	211 ePKP	34 00.00 -0.8
OSS	90.95	43 ePd	27 19.60	0.2			(SS)	47 39.10			0.6s	61.00nm	
OGA	91.57	43 iPc	27 23.00	0.7	OBN	106.83	34 ePd	28 31.00	0.4			e	34 05.00
MOTA	91.66	43 iPd	27 22.60	-0.1	DZM	113.13	244 iPd	29 16.20	16.7X	XAN	150.39	351 PKP	34 01.50 0.1
	0.9s	28.40nm		5.5mb	NRI	114.57	6 ePKPd	32 54.00	-0.6	Z	20s	0.61um	5.4MsZ
SQTA	91.72	43 iPd	27 23.10	0.2			105.00nm			NANU	150.54	203 ePKP	34 02.00 0.2
	0.9s	27.90nm		5.5mb			i	33 53.10			0.3s	10.00nm	
FUR	91.85	42 eP	27 23.90	0.5	ARU	117.31	26 ePKP	33 00.00	-0.2			e	34 07.00
CTI	91.93	44 P	27 24.04	0.2			e	34 11.00		KKN	151.11	35 PKP	34 03.80 0.9
	1.0s	37.00nm		5.6mb	CNB	121.52	223 ePKP	33 08.80	-0.2	KKN	151.11	35 PKP	34 04.00 1.1
GRF	91.95	40 ePd	27 24.60	0.8			17.00nm			GUN	151.36	34 PKP	34 04.40 1.0
	1.7s	101.00nm		5.8mb	BRS	122.90	233 ePd	29 30.50	-12.2X	HYB	152.33	61 ePKPd	34 04.80 0.1
		epPc	27 55.40	117km	KUSJ	127.30	323 PKP	33 18.70	-1.1	WHN	152.39	340 ePKP	34 04.50 0.2
WATA	91.98	43 iPd	27 24.10	-0.1	ASAJ	127.92	325 ePKP	33 21.20	0.2	LSA	152.44	24 PKPd	34 06.40 1.3
WTTA	92.02	43 iPd	27 24.60	0.2	HOOJ	128.57	323 ePKP	33 22.50	0.2	GBA	152.64	69 PKPd	34 05.60 0.5
	1.0s	35.10nm		5.6mb	MAIO	128.70	46 iPKPd	33 23.00	0.1		0.9s	7.00nm	
MOX	92.28	40 iPc	27 25.60	0.4	STK	128.78	222 iPKPd	33 21.50	-1.5	CD2	153.92	360 PKPd	34 07.60 1.0
	1.8s	75.00nm		5.6mb		4.8s	2.40nm			Z	20s	1.03um	5.6MsZ
MNS	92.39	48 P	27 25.81	-0.2			i	33 51.30		GYA	158.17	353 PKP	34 12.80 0.5
	1.5s	115.10nm		5.9mb			eSKP	36 37.40				pPKP	34 46.40
ASS	92.42	47 P	27 25.79	-0.4	CTA	131.46	238 PKP	33 29.00	0.5			PP	38 22.60
	1.8s	52.30nm		5.5mb	CTAO	131.46	238 ePKP	33 27.49	-1.0	GZH	159.47	334 PKP	34 15.60 2.0
FVI	92.75	44 P	27 27.70	0.3			ep'df34	00.40		BAG	159.74	306 ePKP	34 12.00 -2.3
	1.9s	78.50nm		5.7mb	FRU	134.10	30 iPKPd	33 34.00	1.1	CHTO	165.22	18 iPKPd	34 19.70 0.3
NB2	92.87	29 P	27 27.20	-0.6			130.00nm				1.7s	71.65nm	
	1.2s	45.90nm		5.6mb			e	34 37.00		LEM	167.91	199 ePKPc	34 23.00 1.2
BHG	92.89	43 eP	27 28.50	0.4	MDJ	134.20	334 ePKP	33 30.60	-2.3		S.D. = 0.8	on 350 of 383 obs.	
WET	92.99	41 eP	27 29.10	0.5	ZAK	134.46	0 iPKPd	33 33.00	-0.2				
NRAO	93.01	29 ePd	27 30.10	1.8		1.8s	68.00nm						
KBA	93.17	43 iPd	27 29.60	-0.1			e	36 04.00		%	SEP 11, 1993	06h 36m 55.87± 1.92s	
	1.6s	62.20nm		5.7mb	MAJO	135.19	320 ePKP	33 34.04	-1.1			40.394 N ±14.5km	29.294 E ±12.3km
CLL	93.20	39 iPd	27 30.00	0.6	MAT	135.19	320 ePKP	33 24.00	-11.1X			DEPTH = 10.0km	(geophysicist)
	2.1s	105.00nm		5.8mb	CN2	136.57	337 ePKP	33 35.90	-1.6	TURKEY			(366)
		i	28 01.70	121km		Z	20s	0.37um	5.1MsZ		ML 2.7 (ISK).		
RBL	93.28	44 P	27 30.39	0.3	KSH	137.27	32 ePKP	33 39.80	0.7	HRT	0.51	34 ePg	37 06.20 -0.1
	1.6s	85.30nm		5.8mb		Z	16s	0.95um	5.6MsZ	ISK	0.69	345 iPg	37 09.70 0.1
KHC	93.44	41 P	27 31.00	0.3			PKS	37 10.00		KCT	0.73	259 ePg	37 10.20 0.0
	1.5s	30.30nm		5.4mb	WKYJ	138.29	319 PKP	33 40.40	-0.7	CTT	1.00	319 iPg	37 14.70 -0.1
		e	27 39.00	25kmX	WMQ	138.55	18 PKP	33 40.50	-0.8	BNT	1.05	268 ePg	37 15.20 -0.5
		e	28 02.50			Z	18s	1.00um	5.6MsZ			eSg	37 30.20
GEC2	93.51	41 eP	27 30.60	-0.5			PKS	37 13.00		KGT	1.52	273 iPn	37 23.70 0.6
	0.9s	4.20nm		4.8mb	YONJ	139.04	322 PKP	33 42.10	-0.2		S.D. = 0.5	on 6 of 6 obs.	
		e	27 40.20		ASPA	139.22	225 ePKP	33 34.80	-8.2X				
		epP	28 00.90	115km			i	33 42.20		? SEP 11, 1993	06h 46m 39.61± 7.94s		
		e	28 06.90				ipPKP	34 15.10			39.650 N ±16.4km	12.060 W ±67.1km	
BRG	93.77	39 iP	27 32.80	0.7			iPKS	37 04.30			DEPTH = 10.0km	(geophysicist)	
LJU	93.93	44 eP	27 33.80	0.8			i	37 16.70			NORTH ATLANTIC OCEAN		(402)
		epP	28 07.40	129km			ipPKS	37 48.90			mbLg 3.3 (MDD).		
		e	38 59.00		TKSJ	139.44	320 PKP	33 41.70	-1.4	EZAM	3.57	45 eP	47 36.86 0.7
		esS	39 27.40		WB2	141.16	230 iPKPc	33 38.80	-7.8X			eS	48 16.30
HFS	94.04	30 eP	27 33.40	0.3		0.7s	19.00nm			ERUA	4.62	52 eP	47 51.97 0.9
	0.5s	2.40nm		4.8mb			e	34 09.30				eS	48 41.40
PRU	94.11	40 iP	27 34.00	0.3	WRA	141.17	230 PKP	33 39.80	-6.8X	EPLA	4.62	83 eP	47 52.59 1.4
	1.9s	46.70nm		5.5mb		0.6s	8.20nm					eS	48 40.00
		i	28 05.40	120km	WB5	141.19	230 ePKP	33 39.80	-6.8X	EVAL	4.64	115 eP	47 52.84 1.4
		PP	31 20.30				i	33 40.80		EHOR	5.63	107 eP	48 06.30 0.9
VBV	94.42	45 eP	27 35.00	-0.2			i	33 45.90				eS	48 42.00
		epP	28 06.00	118km	MUN	141.64	197 ePKP	33 41.00	-6.1X	GUD	6.14	78 eP	48 13.39 0.7
MGR	94.42	50 P	27 34.59	-0.7	KUMJ	142.43	321 PKP	33 43.70	-4.7X			eS	49 06.90
	1.3s	115.00nm		6.1mb	BAL	142.76	199 ePKP	33 44.00	-5.1X			eS	49 19.10
BCAO	95.18	86 iPd	27 38.30	-1.1	BJI	143.05	344 ePKP	33 45.00	-4.2X	EBAN	6.62	100 eP	48 18.84 -0.6
	0.8s	18.00nm		5.5mb		Z	20s	0.60um	5.4MsZ			eS	49 29.20
		id	28 10.90	125km			PKS	37 28.00		ECRI	7.79	65 eP	48 36.81 1.0
KSP	95.25	39 iPd	27 39.60	0.7	KAGJ	143.28	319 PKP	33 45.50	-4.4X		S.D. = 0.7	on 8 of 8 obs.	
		e	28 11.00	120km	HHC	143.31	350 iPKPd	33 47.80	-2.0				
		e	31 25.30		BTO	143.80	352 iPKPc	33 47.50	-3.2X				
VRAC	95.43	41 iPd	27 40.40	0.7	GTA	145.26	5 iPKPd	33 52.50	-0.7	* SEP 11, 1993	07h 22m 11.95± 0.95s		
	2.8s	229.40nm		6.1mb		Z	20s	0.98um	5.6MsZ		10.263 N ±11.4km	94.060 E ±17.0km	
ZST	95.75	42 iPd	27 41.10	-0.1		N	15s	0.35um			DEPTH = 33.0km	(normal)	
		i(pP)	28 12.30	119km	MEEK	145.67	204 ePKP	33 53.00	-1.2		4.4mb (8 obs.)		
UPP	96.01	30 iP	27 42.50	0.4	TIY	146.17	347 iPKPd	33 55.00	0.3		ANDAMAN ISLANDS, INDIA		(703)
OJC	97.50	40 ePd	27 50.60	1.5		E	20s	0.75um		KMI	16.92	28 eP	26 10.00 1.8
		e	28 16.00	94kmX	TIA	146.28	340 PKPd	33 55.00	0.2		1.5s	50.00nm	4.4mb
SPC	97.82	41 eP	27 51.30	0.5		Z	22s	0.75um	5.4MsZ	GUN	19.17	337 P	26 41.40 5.4X
OHR	98.42	49 iP	27 54.70	1.2	POO	147.78	62 iPKPd	33 53.00	-4.8X	DMN	19.20	335 P	26 37.20 0.9
SKO	98.88	48 iP	27 55.50	0.0	KNA	147.92	230 ePKP	33 57.80	-0.2	KKN	19.29	336 P	26 37.60 0.3
		i	28 26.20	117km		0.6s	123.00nm			CD2	22.44	22 iPc	27 10.50 1.0
ILT	98.98	338 iPd	27 54.00	-1.4			e	34 01.00			1.2s	33.00nm	4.7mb
	1.4s	29.00nm		5.7mb	LZH	148.75	360 iPKPd	34 00.00	1.0				

11d 07h

LZH	27.20	18	eP	27	53.00	-1.8	42.320 N ± 5.2km	18.767 E ± 5.3km	eS	19	48.00		
	1.5s					4.7mb	DEPTH = 10.0km (geophysicist)		ePS	19	59.00		
XAN	27.31	28	P	27	54.00	-1.7	NORTHWESTERN BALKAN REGION (383)						
			pP	28	05.60	45kmX			SPA	57.67	180	iPc	
GTA	29.48	9	eP	28	15.00	-0.3	BDV	0.06	129	iPg	00	43.61	
	1.5s					4.2mb			MYNC	68.25	349	ePc	
TIY	31.94	28	eP	28	36.50	-0.5	HCY	0.24	303	iPg	00	46.52	
WRA	49.73	127	P	31	04.10	0.7							
	0.7s					4.3mb	TTG	0.38	73	iPg	00	50.11	
WB2	49.74	127	iPd	31	03.60	0.1							
	0.7s					4.7mb	ULC	0.51	135	iPg	00	51.26	
			i	33	38.40								
ASPA	51.52	131	eP	31	17.00	0.0	NKY	0.52	19	iPg	00	51.67	
	1.4s					4.3mb							
GEC2	76.01	318	eP	33	57.40	-0.4	BRY	0.60	344	iPg	00	53.11	
	1.1s					3.8mb							
			e	34	02.70		PVY	0.93	72	iPg	00	59.21	
			e	34	04.30								
S.D. = 1.2 on 12 of 13 obs.							IVA	1.00	56	iPg	01	00.42	
SEP 11, 1993 07h 23m 54.87± 0.82s							PLE	1.11	24	iPg	01	02.27	
39.123 N ± 6.8km 27.646 E ± 8.2km													
DEPTH = 10.0km (geophysicist)							S.D. = 0.2 on 9 of 9 obs.						
TURKEY (366)							SEP 11, 1993 08h 01m 54.04± 0.17s						
ML 2.8 (ISK).							32.510 S ± 3.4km 71.565 W ± 4.3km						
							DEPTH = 29.1km (39 depth phases)						
							5.4mb (43 obs.) 5.6Msz (2 obs.)						
							NEAR COAST OF CENTRAL CHILE (135)						
							MD 5.0 (SAN). Felt (V) at						
							Quintero, Valparaiso and Vina						
							del Mar, (IV) at La Calera, La						
							Ligua, Los Andes, Quillota, San						
							Antonio and Santiago; (III) at						
							Limache.						
							ROCH	0.66	135	iP	02	08.16	1.0
							JACH	0.84	102	iP	02	11.38	1.5
							LCCH	0.96	180	iP	02	11.66	0.1
							PEL	0.97	131	iP	02	13.14	1.4
							SAN	1.21	141	iP	02	16.24	1.2
									iS	02	32.10		
							TACH	1.26	155	iP	02	16.77	1.1
							FCH	1.35	128	iP	02	18.72	1.4
							PCH	1.42	142	iP	02	19.24	1.1
							LNW	1.45	175	iP	02	18.74	0.3
							CACH	1.80	154	iP	02	25.79	2.2
							MDZ	2.32	100	iP	02	36.70	5.6X
									i	02	45.10		
									i	02	54.70		
									iS	03	10.30		
							ZON	2.63	69	iPc	02	41.40	5.9X
							RTCV	2.65	77	iPd	02	40.80	5.1X
							CFA	2.96	73	iPc	02	45.00	4.8X
							RTPR	4.85	64	iPc	03	09.00	2.1
							TCA	6.04	81	iPc	03	24.50	0.6
							CYA	6.42	52	ePc	03	28.50	-0.6
									(S)	04	47.00		
							YJA	11.62	29	e(P)	04	44.00	2.6
							CCH	15.84	19	P	05	36.30	-0.7
							CNCB	15.96	13	P	05	40.00	1.2
							ARE	15.98	0	eP	05	41.00	2.3
							LPB	16.21	12	P	05	44.70	2.9X
									1.1s	151.90nm		5.0mb	
							Z	16s	4.71um		4.9Msz		
									LR	11	08.00		
							LPBZ	16.45	12	P	05	45.40	0.4
									LR	10	59.00		
							SIV	19.00	33	P	06	14.00	-2.1
							PPD	20.77	65	eP	06	33.30	-1.9
									e	06	36.80	13kmX	
									e	06	46.60		
							NNA	20.99	345	iPd	06	38.90	1.3
									1.2s	39.06nm		4.7mb	
							RSTA	21.25	74	eP	06	38.10	-2.0
									e	06	50.70	53kmX	
							BAO	27.20	57	Pd	07	36.00	-1.4
									i	07	46.00	36km	
									e	16	24.00		
							SOB1	36.63	58	eP	08	58.60	-1.3
							SDV	41.17	1	eP	09	37.50	-0.3
							TOV	42.09	3	eP	09	45.30	0.1
							SNA	52.79	157	iPc	11	07.00	-1.4
									0.8s	57.00nm		5.6mb	
							NVL	57.53	157	iPc	11	41.50	-1.2
									1.0s	81.00nm		5.7mb	
									i	11	51.00	31km	
</													

11d 08h

SRU	1.0s	17.00nm	5.0mb	
	79.91	330 ePc	14 01.85	0.1
ARUT	80.09	328 eP	14 03.24	0.5
		eP	14 10.99	25km
MSU	80.12	329 ePc	14 03.20	0.2
		eP	14 12.69	30km
ABL	80.57	322 P	14 15.10	9.7X
EMUT	80.63	330 eP	14 05.85	0.2
		eP	14 15.30	30km
BLF	80.84	119 iPc	14 06.50	-0.6
	0.8s	120.00nm		6.0mb
SWZ	81.21	117 eP	14 08.60	-0.4
	0.9s	50.00nm		5.5mb
DAU	81.31	330 eP	14 09.60	0.3
		eP	14 19.09	30km
CSY	81.51	181 iPd	14 09.10	-0.4
	0.9s	29.90nm		5.3mb
		i	14 19.30	32km
DUG	81.79	329 ePd	14 12.26	0.7
	1.4s	29.29nm		5.1mb
RSSD	81.82	337 ePc	14 12.01	0.3
	1.1s	28.99nm		5.2mb
		eP	14 20.79	28km
TNP	82.09	325 eP	14 13.99	0.7
	0.9s	16.27nm		5.1mb
		eP	14 23.14	29km
SEK	82.33	119 iPd	14 14.50	-0.3
	1.3s	120.00nm		5.8mb
BONR	82.52	325 eP	14 16.90	1.3
MEMM	82.61	324 eP	14 17.25	1.6
		eP	14 26.53	29km
BW06	82.63	333 eP	14 15.15	-0.8
	1.3s	14.05nm		4.9mb
		eP	14 24.82	31km
HVU	83.08	330 eP	14 18.05	-0.2
CMB	83.62	323 eP	14 21.36	0.4
	1.1s	12.64nm		5.0mb
		eP	14 30.89	30km
PTI	83.82	331 (P)	14 17.53	-4.5X
HHA1	84.18	331 eP	14 24.08	0.3
		eP	14 33.67	30km
SLR	84.22	117 iPc	14 22.50	-2.0
	0.7s	94.00nm		6.1mb
ULM	85.17	345 eP	14 30.00	1.7
		pP	14 40.00	31km
ORV	85.34	324 eP	14 30.46	1.0
JAQ	86.03	358 eP	14 31.50	-1.0
LRM	86.31	333 ePc	14 35.00	0.5
WDC	86.64	324 ePc	14 35.54	-0.3
	1.1s	14.09nm		5.1mb
		eP	14 43.18	24km
LBFM	86.90	325 eP	14 37.77	0.4
		eP	14 47.17	29km
LGPM	87.03	324 ePc	14 38.68	0.8
		eP	14 47.55	28km
KMPM	87.32	323 eP	14 40.50	1.2
FHC	87.53	323 eP	14 41.13	0.9
	0.9s	36.90nm		5.7mb
		eP	14 51.44	32km
BUL	87.55	112 iPd	14 40.50	-0.5
	1.1s	29.11nm		5.5mb
		i	14 54.70	48kmX
VGB	89.56	328 eP	14 50.04	0.3
LSZ	89.89	108 iPd	14 53.50	1.3
		i	15 07.00	45kmX
DPW	90.28	331 eP	14 52.62	-0.5
		eP	15 02.34	30km
LON	90.96	328 eP	14 55.89	-0.4
		eP	15 05.39	30km
BMW	91.40	327 eP	14 58.43	0.2
		eP	15 08.06	30km
BCAO	92.44	86 iPd	15 04.00	0.2
	0.9s	18.00nm		5.5mb
		ic	15 14.00	31km
GEC2	110.82	45 ePKP	20 24.50	-1.1
	0.9s	1.82nm		
		e	20 34.80	
NUR	120.67	35 ePKP	20 42.60	-1.3
	0.7s	8.10nm		
KAF	121.77	33 iPKP	20 44.50	-1.4
	0.5s	5.80nm		
WB2	122.25	209 ePKP	20 45.90	-2.3
	0.5s	3.50nm		
OBN	126.09	43 ePKP	20 54.00	-0.6
	1.0s	25.00nm		
		i	21 03.00	

ILT	126.11	333 iPKPc	20 52.70	-1.5
	1.0s	10.00nm		
		i	20 57.60	
MOS	126.74	42 ePKP	21 06.00	10.2X
	Z 19s	1.00um		5.5msz
ARU	138.38	40 ePKP	21 16.00	-1.9
SVE	139.36	39 ePKPd	21 19.00	-0.6
		e	21 27.80	
		e	24 18.70	
NRI	141.32	11 iPKPd	21 23.10	0.4
		i	21 33.00	
GBA	146.02	116 PKPc	21 32.00	-0.4
	0.7s	17.00nm		
YAK	147.46	341 ePKP	21 32.80	-0.5
	1.1s	230.00nm		
		i	21 48.00	
HYB	149.15	112 ePKP	21 41.00	3.6X
KUSJ	149.66	301 ePKP	21 40.70	3.3X
HOOJ	150.80	300 ePKP	21 44.40	5.3X
ASAJ	150.97	303 ePKP	21 44.90	5.6X
IPM	151.36	164 ePKPc	21 45.70	4.9X
	0.9s	98.40nm		
FRU	151.49	59 iPKPc	21 47.00	6.8X
		i	21 57.50	
OFUJ	152.36	293 ePKP	21 48.00	6.5X
MRRJ	152.42	300 ePKP	21 48.00	6.5X
MAT	155.19	288 ePKP	21 50.00	4.5X
DMN	159.24	98 PKP	21 51.20	0.1
KKN	159.44	97 PKP	21 50.60	-0.6
MDJ	159.58	312 ePKP	21 48.50	-2.1
GUN	159.99	97 PKP	21 51.80	-0.2
WMQ	160.22	49 PKP	21 52.60	1.2
GTA	170.19	43 ePKP	22 00.00	0.1
		pPKP	22 08.50	
TIA	171.92	300 ePKP	21 59.00	-1.6
GYA	173.78	165 PKP	22 01.80	0.0
		pPKP	22 12.00	
TIY	173.86	329 ePKP	22 01.60	0.2
LZH	174.79	46 ePKP	22 02.00	0.1
	Z 25s	0.80um		
		pPKP	22 12.00	
CD2	175.71	111 PKPd	22 03.00	0.9
XAN	178.42	345 PKP	22 02.50	0.1
		sPKP	22 12.30	
	S.D. = 1.0	on 125 of 143 obs.		
? SEP 11, 1993 08h 03m 39.20± 0.98s				
	39.093 N ± 9.0km	27.530 E ± 14.8km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.7 (ISK).			
IZM	0.72	197 ePg	03 53.50	0.0
		eSg	04 05.90	
DST	0.99	59 ePn	03 58.00	-0.1
KCT	1.32	29 iPn	04 03.70	0.1
KGT	1.37	353 iPn	04 04.20	-0.1
	S.D. = 0.2	on 4 of 4 obs.		
% SEP 11, 1993 08h 16m 32.38± 3.31s				
	39.618 N ± 26.2km	29.450 E ± 16.3km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.6 (ISK).			
DST	0.64	269 ePg	16 44.50	-0.7
		eSg	16 54.00	
IZI	0.72	1 ePg	16 45.20	-1.4
		eSg	16 55.20	
KCT	1.05	307 iPn	16 53.20	1.0
EYL	1.09	30 ePn	16 53.70	0.7
BNT	1.39	303 ePn	16 57.20	-0.6
EDC	1.42	301 ePn	16 58.70	0.5
KGT	1.85	297 iPn	17 04.70	0.4
	S.D. = 1.1	on 7 of 7 obs.		
% SEP 11, 1993 08h 21m 42.03± 0.82s				
	39.666 N ± 7.3km	29.447 E ± 7.1km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.6 (ISK).			
DST	0.64	265 ePg	21 55.00	0.2
		eSg	22 04.50	
IZI	0.67	2 iPg	21 55.20	-0.2
ALT	0.80	140 ePg	21 57.50	-0.1

		eSg	22 09.00	
KCT	1.02	305 ePn	22 01.20	-0.1
EYL	1.05	31 ePn	22 02.20	0.3
	S.D. = 0.3	on 5 of 5 obs.		
? SEP 11, 1993 08h 22m 58.42± 5.57s				
	41.770 N ± 10.7km	19.193 E ± 43.8km		
	DEPTH = 10.0km (geophysicist)			
	ALBANIA		(391)	
	ML 2.4 (TIR).			
SDA	0.36	39 iPg	23 05.30	-0.6
		iSg	23 10.80	
LACI	0.41	109 ePg	23 06.50	-0.3
		iSg	23 11.50	
TIR	0.66	130 ePg	23 10.70	-0.8
		iSg	23 24.00	
OHR	1.38	118 ePn	23 24.30	0.6
SKO	1.69	82 ePn	23 29.20	1.1
	S.D. = 1.1	on 5 of 5 obs.		
% SEP 11, 1993 08h 31m 11.71± 0.89s				
	39.166 N ± 7.0km	27.443 E ± 9.1km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.7 (ISK).			
IZM	0.78	190 ePg	31 27.20	0.3
		eSg	31 39.70	
DST	1.02	64 ePn	31 30.50	-0.5
EZN	1.09	308 ePn	31 31.50	-0.6
EDC	1.22	15 ePn	31 34.70	0.2
KGT	1.29	355 iPn	31 36.20	0.6
	S.D. = 0.8	on 5 of 5 obs.		
% SEP 11, 1993 08h 52m 19.24± 0.96s				
	39.625 N ± 10.3km	29.464 E ± 8.2km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.7 (ISK).			
DST	0.65	269 ePg	52 31.00	-1.2
		eSg	52 41.50	
ALT	0.76	138 ePg	52 34.50	0.4
		eSg	52 46.00	
KCT	1.06	307 iPn	52 40.20	1.1
EYL	1.08	29 ePn	52 39.00	-0.6
KGT	1.85	297 ePn	52 51.70	0.4
	S.D. = 1.3	on 5 of 5 obs.		
% SEP 11, 1993 08h 54m 40.77± 0.85s				
	39.141 N ± 6.7km	27.602 E ± 11.9km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.8 (ISK).			
IZM	0.79	200 ePg	54 56.20	0.1
		eSg	55 08.20	
DST	0.92	59 ePn	54 58.00	-0.4
EDC	1.22	9 ePn	55 03.70	0.2
BNT	1.24	11 ePn	55 04.20	0.4
KCT	1.25	28 ePn	55 04.20	0.2
KGT	1.33	350 iPn	55 04.70	-0.6
	S.D. = 0.5	on 6 of 6 obs.		
? SEP 11, 1993 09h 02m 46.04± 1.42s				
	40.668 N ± 16.6km	29.196 E ± 6.9km		
	DEPTH = 10.0km (geophysicist)			
	TURKEY		(366)	
	ML 2.6 (ISK).			
IZI	0.39	147 iPg	02 54.00	-0.1
		eSg	03 03.00	
EYL	0.74	98 ePn	03 00.70	0.1
KCT	0.77	237 ePn	03 01.20	0.2
KGT	1.46	262 iPn	03 12.20	-0.2
	S.D. = 0.3	on 4 of 4 obs.		
* SEP 11, 1993 09h 10m 29.06± 1.00s				
	50.317 N ± 15.7km	18.976 E ± 5.7km		
	DEPTH = 10.0km (geophysicist)			
	POLAND		(548)	
	ML 3.3 (WAR), 3.0 (CLL).			
OJC	0.54	100 ePg	10 40.10	0.2
		iSg	10 47.80	
RAC	0.55	245 iP-	10 40.50	0.2

		iS	10	48.50	
SPC	1.40	143 iPn	10	54.40	-0.3
		i(Sn)	11	15.00	
		Lg	11	17.00	
KSP	1.79	288 ePn	11	00.80	0.6
	0.6s	79.00nm			
		iPg	11	03.20	
		iS	11	27.80	
VRAC	1.84	238 iPnc	11	02.30	1.4
	0.5s	55.90nm			
		e	11	05.20	
		iSg	11	26.90	
ZST	2.45	211 eP	11	05.80	-3.9X
		e	11	39.50	
PRU	2.87	265 ePn	11	14.70	-1.0
	0.6s	23.90nm			
		Pg	11	21.90	
		eSn	11	46.20	
		eSg	11	58.60	
KHC	3.70	253 Pn	11	27.00	-0.5
		ePg	11	39.00	
		eSn	12	06.40	
		eSg	12	20.50	
GEC2	3.73	249 Pn	11	27.50	-0.6
		Pg	11	37.30	
		Sg	12	27.70	
CLL	3.92	287 ePg	11	43.00	12.5X
		eSg	12	36.00	
HOF	4.55	273 ePn	11	54.90	15.4X
MOX	4.71	277 eP	12	00.80	18.9X
	1.8s	22.00nm			
GRF	5.04	266 ePg	12	02.00	15.5X
		eSg	12	54.50	
S.D. = 0.9 on 8 of 13 obs.					

? SEP 11, 1993 09h 16m 50.78± 2.62s
6.498 S ±23.0km 129.879 E ±23.7km
DEPTH = 128.8 ± 27.8 km
BANDA SEA (280)

SLKI	2.04	136	iPc	17	24.00	-1.6
TLE	2.98	73	iPd	17	38.30	0.6
			iS	18	06.00	
MTN	6.43	169	eP	18	26.40	2.0
	0.3s	65.00nm				5.4mb
			eS	19	38.00	
KNA	9.26	187	eP	19	03.50	0.9
	0.2s	13.00nm				5.3mb
			eS	20	43.00	
WB2	14.05	162	eP	20	03.80	-1.6
			eS	22	33.20	
QIS	16.86	147	iPd	20	40.90	0.4
ASPA	17.50	168	iPd	20	48.50	0.1
	0.3s	29.10nm				5.0mb
			eS	24	00.30	
MBL	17.52	213	eP	20	47.70	-0.9
S.D.	= 1.7	on	8 of	8 obs.		

* SEP 11, 1993 09h 17m 23.38± 1.11s
14.818 N ±20.0km 92.784 W ±11.2km
DEPTH = 33.0km (normal)
4.4mb (6 obs.)

NEAR COAST OF CHIAPAS, MEXICO					(69)
TPX	0.51	80	iPd	17 39.57	5.4X
			iS	17 52.58	
SCX	1.91	4	iP	18 04.36	10.1X
			iS	18 35.01	
GCG	2.19	96	eP	18 00.09	1.7
GCG	2.19	96	eP	18 01.60	3.2X
IXG	2.35	106	eP	17 59.84	-0.7
			eS	18 31.09	
YUP	2.95	102	eP	18 08.92	-0.3
OXX	4.41	301	iP	18 35.15	5.2X
			iS	19 12.50	
LVVM	6.02	325	(P)	18 52.00	-0.4
IIT	6.74	309	(P)	19 04.14	1.3
			(S)	20 35.73	
PPM	7.01	308	iP	19 07.00	0.1
			(S)	20 48.64	
III	7.32	300	iP	19 10.13	-0.8
			(S)	20 54.49	
MRX	9.39	302	(P)	19 43.30	3.9X
UYO	19.32	356	iPc	21 48.60	-0.2
MIAR	19.65	358	eP	21 52.96	0.5
	1.0s	23.82nm			4.4mb
MEO	20.56	346	iPc	22 01.50	-0.4

ALQ	23.52	331 eP	22	31.53	-0.1
	0.8s	3.03nm			3.9mb
TUC	23.92	320 eP	22	37.45	2.0
	1.5s	26.41nm			4.5mb
PV08	27.50	332 (P)	23	08.78	-0.4
PV10	27.51	332 (P)	23	08.78	-0.4
PV09	27.65	332 (P)	23	11.53	1.0
ARUT	29.30	325 eP	23	26.11	0.9
LKM	35.06	336 eP	24	16.20	0.6
YRA	50.06	347 eP	26	15.80	-0.9
	0.8s	7.40nm			4.8mb
INK	59.44	344 eP	27	24.00	-1.0
	1.0s	4.00nm			4.5mb
FBA	62.20	337 (P)	27	41.35	-2.4
	0.8s	1.68nm			4.2mb
GBA	150.15	19 PKP	37	11.00	3.0X
S.D. = 1.1 on 20 of 26 obs.					

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% SEP 11, 1993 09h 25m 33.24± 0.87s
  39.113 N ± 7.2km    27.592 E ± 9.0km
  DEPTH = 10.0km (geophysicist)
TURKEY (366)
      ML 2.7 (ISK).
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IZM	0.76	200	ePg	25	48.00	-0.1
			eSg	26	00.00	
DST	0.94	58	ePn	25	51.50	0.3
EZN	1.21	306	iPn	25	56.00	0.2
EDC	1.25	10	ePn	25	56.00	-0.4
KGT	1.36	351	iPn	25	58.20	0.1
S.D. = 0.4 on 5 of 5 obs.						

* SEP 11, 1993 09h 32m 31.54± 1.17s
14.065 N ±16.4km 93.000 W ± 9.7km
DEPTH = 33.0km (normal)
4.3mb (6 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.8 (GCG).

TPX	1.10	41	iPd	32	51.05	0.4
			iS	33	02.41	
GCG	2.45	77	eP	33	11.15	0.9
IXG	2.47	87	eP	33	11.02	0.5
			eS	33	45.42	
SCX	2.68	8	iP	33	16.14	2.9
			iS	33	48.31	
YUP	3.11	87	eP	33	19.80	0.3
OXX	4.68	310	iP	33	52.30	10.4X
			iS	34	40.03	
IIT	7.08	315	(P)	34	20.40	4.5X
ACX	7.18	294	(P)	34	53.29	36.4X
PPM	7.34	313	iP	34	24.50	4.9X
			(S)	35	45.44	
IIA	7.41	314	iP	34	23.50	3.3X
			(S)	35	28.81	
III	7.55	305	iP	34	24.25	2.0
LTX	18.12	329	eP	36	43.55	1.0
UYO	20.06	356	iPd	37	02.50	-2.4
MIAR	20.40	359	eP	37	05.53	-2.9
	1.1s		33.16nm			4.6mb
MEO	21.24	347	iPc	37	15.10	-1.9
ALQ	24.07	332	eP	37	45.83	0.7

TUC	24.37	321 eP	37	50.25	2.3
	1.2s	11.63nm			4.3mb
PV08	28.07	333 eP	38	22.80	0.3
PV10	28.08	333 eP	38	22.35	-0.1
PV09	28.22	333 (P)	38	23.49	-0.3
ARUT	29.80	326 eP	38	38.18	0.3
LRM	35.66	336 eP	39	28.80	0.0
SIV	43.45	132 P	40	33.40	0.0
YKA	50.74	347 eP	41	28.60	-1.5
	0.8s	6.60nm			4.7mb
INK	60.10	344 eP	42	36.50	-1.2
	1.0s	2.00nm			4.2mb
FBA	62.80	337 eP	42	54.60	-1.3
	0.8s	1.33nm			4.1mb
GBA	150.92	19 PKP	52	24.00	6.6X

S.D. = 1.6 on 21 of 27 obs.

% SEP 11, 1993 09h 32m 38.75± 1.04s
40.723 N ±25.1km 29.236 E ± 8.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MT. 2.6 (ISK).

HRT	0.34	73 ePg	32	45.20	-0.7
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		eSg	32	50.00	
EYL	0.72	102 ePn	32	53.70	0.7
KCT	0.82	235 ePn	32	53.70	-1.0
BNT	1.07	250 ePn	32	59.20	0.3
KGT	1.50	260 iPn	33	06.20	0.6
	S.D. = 1.1	on	5 of	5 obs.	

% SEP 11, 1993 09h 36m 31.27± 0.83s
40.183 N ± 6.7km 28.774 E ± 6.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.6 (ISK).

KCT	0.33	282	iPg	36	39.20	1.2
			eSg	36	43.20	
DST	0.59	191	iPg	36	43.20	0.0
			eSg	36	53.00	
BNT	0.68	285	ePg	36	44.20	-0.5
EDC	0.72	283	ePg	36	45.00	-0.4
HRT	0.93	47	ePg	36	49.20	0.1
CTT	1.00	345	iPg	36	50.20	0.0
KGT	1.16	284	iPn	36	52.70	-0.2
MFT	1.29	298	ePn	36	55.00	-0.2

S.D. = 0.6 on 8 of 8 obs.

% SEP 11, 1993 09h 45m 51.86± 0.77s
39.185 N ± 6.1km 27.559 E ± 7.6km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.7 (ISK).

IZM	0.82	197	ePg	46	07.90	0.1
			eSg	46	19.40	
DST	0.93	63	ePn	46	09.50	-0.1
EZN	1.15	304	ePn	46	13.00	-0.3
EDC	1.18	11	ePn	46	14.70	0.8
BNT	1.20	13	ePn	46	14.20	-0.1
KCT	1.23	30	ePn	46	14.20	-0.5
KGT	1.28	351	iPn	46	15.70	0.1
	S.D. = 0.5	on	7	of	7 obs.	

? SEP 11, 1993 10h 32m 57.85± 3.62s
17.386 S ±34.7km 179.159 W ±28.4km
DEPTH = 537.6 ± 40.0 km
4.7mb (6 obs.)

FIJI ISLANDS REGION (181)

DZM	14.33	249	iPd	36	01.10	0.3
ARMA	29.59	239	iPd	38	21.00	-0.1
	0.4s		8.00nm			4.7mb
CNB	33.18	231	iPd	38	51.30	-0.1
	0.4s		8.00nm			4.7mb
TOO	36.95	230	iPd	39	22.40	-0.2
	0.7s		34.00nm			5.1mb
STK	38.26	240	iPc	39	33.80	0.4
	0.3s		3.70nm			4.5mb
WB2	44.01	259	iPc	40	18.80	-0.6
	0.6s		10.70nm			4.6mb
ASPA	44.25	254	iPc	40	21.20	-0.1
	0.5s		61.20nm			5.4mb

ALQ	86.33	52	eS	46	11.30	
CLL	144.80	347	iPKPc	51	34.80	0.3
	0.8s		14.00nm			0.2
BRG	144.99	346	iPKP	51	35.40	0.4
PRU	145.65	344	PKP	51	38.30	2.2X
KHC	146.69	345	ePKP	51	41.00	3.1X
	1.0s		3.50nm			
GRF	146.70	348	ePKPc	51	41.30	3.5X
GEC2	146.92	344	ePKP	51	41.20	2.9X
	0.7s		2.82nm			

WLF	147.52	354	1 ePKPd	51	48.40	
	1.2s		30.00nm			4.5X
CDF	148.61	352	1 ePKPd	51	45.50	4.5X
	0.6s		3.80nm			
FLN	148.69	2	ePKP	51	45.10	4.2X
	0.7s		6.40nm			
LDF	148.86	1	ePKP	51	44.70	3.5X
	0.4s		1.30nm			

GRR	149.05	2	ePKP	51	45.60	4.1X
	0.7s		6.15nm			
HAU	149.13	353	iPKPd	51	46.60	4.9X
	0.4s		1.90nm			
BSF	149.25	352	iPKPd	51	46.80	4.8X
	0.6s		2.45nm			
LPF	149.40	2	ePKP	51	47.00	5.0X

11d 10h

0.5s 3.20nm
LOR 150.10 356 iPKPd 51 48.90 5.7X
0.6s 3.70nm
SSF 150.33 356 iPKPd 51 49.50 6.0X
0.6s 3.95nm
LBF 150.37 356 iPKPd 51 49.50 5.9X
0.8s 4.05nm
OHR 150.78 328 ePKP 51 50.40 6.0X
S.D. = 0.4 on 10 of 26 obs.

* SEP 11, 1993 10h 46m 45.28± 0.97s
53.918 N ±14.0km 165.126 W ±10.2km
DEPTH = 33.0km (normal)
4.1mb (4 obs.)

FOX ISLANDS, ALEUTIAN ISLANDS (9)

SDN 3.05 60 eP 47 32.22 0.0
eS 48 10.49
SPBA 3.06 60 eP 47 34.64 2.2
eS 48 04.65
ADK 7.28 258 (P) 48 32.07 0.1
KDC 8.08 57 eP 48 39.32 -3.8X
CDD 8.10 47 eP 48 43.63 0.1
AUP 8.44 45 eP 48 47.86 -0.4
OPT 8.69 44 eP 48 52.44 0.8
SVW 8.83 31 eP 48 52.28 -1.3
ILIM 9.06 42 eP 48 56.61 -0.1
NCT 9.37 40 eP 49 02.50 1.4
CNPM 9.47 48 eP 49 00.69 -1.7
BKG 9.95 39 eP 49 10.97 1.9
CP2 10.09 38 eP 49 12.69 1.7
CRP 10.12 38 eP 49 12.36 0.9
CGLM 10.20 38 eP 49 14.93 2.5
TTA 10.21 24 eP 49 11.75 -0.8
SLKM 10.42 45 eP 49 13.93 -1.5
SEW 10.54 48 eP 49 14.52 -2.5
ANM 10.68 359 (P) 49 18.02 -0.9
SKT 10.82 36 eP 49 21.76 0.9
LTI 11.22 50 eP 49 22.61 -3.7X
PWL 11.40 46 eP 49 25.88 -2.8X
HIN 11.99 50 eP 49 33.15 -3.5X
VZW 12.25 47 eP 49 37.16 -3.1X
VLZ 12.38 47 eP 49 38.51 -3.4X
KLU 12.73 46 eP 49 42.88 -3.7X
IMA 13.43 20 eP 49 55.76 -0.1
BALM 14.12 51 eP 50 03.64 -1.3
INK 20.64 34 eP 51 23.50 -0.6
0.5s 3.00nm 3.9mb
LTX 50.23 94 eP 55 38.09 -2.0
KAF 63.96 354 eP 57 16.60 -0.2
NB2 65.35 2 P 57 26.00 0.1
0.7s 1.60nm 4.2mb
HFS 66.30 1 eP 57 30.90 -1.0
0.5s 2.80nm 4.6mb
WRA 89.98 235 P 59 44.20 1.8
0.6s 0.30nm 3.7mb
S.D. = 1.4 on 27 of 34 obs.

? SEP 11, 1993 10h 56m 32.29± 1.52s
17.129 S ±40.7km 179.371 W ±42.5km
DEPTH = 500.0km (geophysicist)
4.3mb (3 obs.)

FIJI ISLANDS REGION (181)

ARMA 29.55 238 iPd 01 57.30 -0.1
0.3s 3.00nm 4.3mb
CNB 33.19 231 eP 02 27.80 -0.4
TOO 36.96 230 iPd 02 59.00 -0.5
STK 38.21 240 eP 03 09.90 0.1
5.5s 1.80nm 2.8mb X
WB2 43.86 259 eP 03 55.40 0.2
0.6s 2.20nm 3.9mb
ASPA 44.13 254 eP 03 57.50 0.2
0.5s 18.60nm 4.9mb
SLKM 80.86 14 eP 07 52.90 -1.3
GEC2 146.62 344 ePKP 15 17.80 1.7
0.5s 0.56nm
e 15 33.60
S.D. = 1.0 on 8 of 8 obs.

? SEP 11, 1993 10h 57m 00.22± 6.03s
39.007 N ±27.1km 26.248 E ±65.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.0 (ISK).

EZN 0.82 4 iPg 57 16.00 -0.1

iSg 57 28.00
IZM 1.00 127 ePn 57 19.20 0.0
KGT 1.66 29 iPn 57 29.20 -0.2
MFT 1.95 24 ePn 57 34.00 0.3
S.D. = 0.4 on 4 of 4 obs.

% SEP 11, 1993 12h 05m 03.20± 0.77s
39.110 N ± 6.3km 27.620 E ± 7.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.76 202 ePg 05 18.20 0.0
eSg 05 31.20
DST 0.92 57 iPn 05 20.70 -0.2
EZN 1.23 306 ePn 05 26.00 -0.1
EDC 1.25 9 ePn 05 26.70 0.3
BNT 1.27 10 ePn 05 26.20 -0.5
KCT 1.27 26 ePn 05 27.20 0.4
KGT 1.36 350 iPn 05 28.20 0.0
S.D. = 0.4 on 7 of 7 obs.

? SEP 11, 1993 12h 29m 53.66± 1.99s
40.366 N ±14.2km 21.684 E ±12.8km
DEPTH = 10.0km (geophysicist)
GREECE (364)

FNA 0.48 331 eP 30 03.40 0.0
eS 30 10.60
LIT 0.67 113 iP 30 07.01 0.0
iS 30 15.04
GRG 0.80 43 eP 30 09.16 -0.1
KNT 1.22 49 eP 30 16.44 0.1
eS 30 35.48
SOH 1.35 70 eP 30 22.56 4.0X
S.D. = 0.2 on 4 of 5 obs.

SEP 11, 1993 12h 44m 51.90± 0.76s
2.245 N ± 4.7km 126.754 E ± 6.5km
DEPTH = 72.7 ± 8.2 km
5.0mb (19 obs.)

NORTHERN MOLUCCA SEA (266)

TNE 1.55 158 iPd 45 17.40 -0.6
MNI 2.07 247 eP 45 27.50 2.3
eS 45 56.00
BIP 5.96 355 iPd 46 20.50 0.9
iS 47 22.50
CGP 6.50 342 eP 46 32.00 5.0X
MAP 8.48 341 iP 46 55.00 0.6
PLP 9.04 349 ePd 47 00.50 -1.5
TSM 9.10 283 ePd 47 02.90 0.1
TLE 9.86 143 ePd 47 14.30 1.1
PPR 10.93 314 iPd 47 32.50 4.8X
KKM 11.17 290 ePd 47 28.80 -2.2
MTN 15.61 164 eP 48 28.00 -1.0
WB2 23.28 162 iPd 49 53.40 -0.6
0.7s 32.00nm 4.9mb
iS 54 00.60

QIZ 23.50 316 eP 49 55.60 -0.6
eS 54 03.00
IPM 25.79 276 eP 50 18.10 0.1
QIS 25.93 152 eP 50 18.60 -0.6
ASPA 26.68 165 eP 50 24.90 -1.2
0.9s 10.00nm 4.4mb
eS 55 05.00

LOE 28.83 303 iPd 50 45.00 -0.6
CTA 29.30 140 iPd 50 50.00 0.1
1.3s 16.83nm 4.5mb
NJ2 30.57 347 eP 51 01.60 0.8
BDT 31.07 300 eP 51 04.00 -1.5
TKSJ 32.30 11 P 51 15.70 -0.3
KMI 32.45 317 P 51 10.50 -7.3X
1.5s 50.00nm 5.1mb
WKYJ 32.86 14 P 51 20.40 -0.6
YONJ 33.37 10 P 51 25.30 0.0
CHJJ 35.49 17 P 51 41.60 -1.9
MAT 35.73 16 iPd 51 43.70 -1.8
1.4s 32.56nm 5.1mb
XAN 35.75 334 P 51 44.50 -1.3
0.6s 6.00nm 4.7mb

CD2 35.86 325 P 51 47.60 0.9
STK 36.75 159 eP 51 53.30 -0.8
0.8s 22.90nm 5.2mb
e 53 12.20
eS 57 57.20

TIY 37.67 341 eP 52 03.20 1.3

Z 30s 1.56um 4.6MsZ
YAMJ 37.77 17 eP 52 02.80 0.1
BRS 38.68 141 iPd 52 10.00 -0.5
1.0s 14.00nm 4.8mb

i 52 20.00
BJI 38.83 347 eP 52 11.50 0.1
1.0s 22.00nm 5.0mb
eS 58 04.00

OFUJ 39.11 19 eP 52 14.00 0.2
SNY 39.51 356 P 52 17.60 0.5
pP 52 38.70 89kmX
LZH 39.79 330 eP 52 20.00 0.3

1.5s 27.00nm 4.9mb
Z 22s 0.54um 4.3MsZ

ARMA 40.23 146 iPd 52 23.60 0.3
0.8s 60.00nm 5.5mb

BWA 41.77 153 iPd 52 37.40 1.6
MDJ 42.27 3 eP 52 40.50 0.8

1.0s 23.00nm 5.0mb
CAN 42.78 153 eP 52 44.50 0.4
GTA 44.38 330 eP 52 57.00 -0.1

Z 28s 0.77um 4.5MsZ
pP 53 12.50 60kmX

DZM 45.68 124 iPd 53 07.20 -0.4
GUN 46.62 307 P 53 15.40 0.1

0.6s 60.00nm 5.7mb
DMN 47.11 306 P 53 19.60 0.5

0.6s 23.00nm 5.3mb
HYB 49.65 291 eP 53 39.10 0.5

GBA 50.03 286 P 53 41.00 -0.4
IRK 53.26 343 eP 54 02.50 -2.7

2.0s 23.00nm 4.9mb
e 54 24.00

WMQ 53.95 326 P 54 13.00 2.5
YAK 59.67 2 iPd 54 50.50 -0.1

1.0s 96.00nm 5.9mb
TTA 82.21 27 eP 57 07.58 1.3

1.1s 6.78nm 4.5mb
IMA 83.72 24 eP 57 16.70 2.6

1.0s 11.00nm 4.8mb
CRP 83.75 29 eP 57 14.69 0.4

SLKM 84.61 30 eP 57 18.78 0.3
PMR 85.23 29 eP 57 21.95 0.5

1.0s 15.35nm 5.0mb
OBN 88.26 325 eP 57 41.00 4.7X

e 57 49.00
TUL 125.09 42 iPKP 03 58.50 12.5X

S.D. = 1.1 on 51 of 56 obs.

% SEP 11, 1993 12h 48m 47.51± 0.95s
39.641 N ± 9.5km 29.493 E ± 9.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

DST 0.67 267 ePg 48 59.70 -1.2
eSg 49 10.20

IZI 0.70 359 iPg 49 00.00 -1.3
ALT 0.76 141 ePg 49 02.50 0.1

eSg 49 14.50
BNT 1.40 301 ePn 49 14.20 1.1

EDC 1.44 300 ePn 49 13.70 0.1
CTT 1.71 332 ePn 49 18.70 1.2

KGT 1.87 296 iPn 49 19.70 -0.1
S.D. = 1.2 on 7 of 7 obs.

% SEP 11, 1993 13h 24m 29.42± 0.92s
26.388 S ± 9.7km 27.642 E ±11.2km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)

PRY 0.56 196 eP 24 40.10 -0.5
S 24 47.10

SLR 0.87 42 eP 24 46.50 -0.2
S 24 57.00

BFS 0.92 236 eP 24 47.20 -0.4
S 25 01.80

SEK 1.93 180 eP 25 04.00 0.7
S 25 28.50

SWZ 2.22 249 eP 25 08.00 0.5
S 25 34.70

S.D. = 0.7 on 5 of 5 obs.

SEP 11, 1993 13h 44m 33.31± 0.62s
30.563 S ± 6.1km 179.690 W ± 9.5km
DEPTH = 321.3 ± 7.3 km
4.8mb (18 obs.)

KERMADEC ISLANDS REGION (177)							OFUJ	78.07	330	eP	55	58.10	0.0	WB2	13.33	160	iPd	00	58.20	-1.2	
RAO	2.02	50	iPc	45	24.50	2.1	KUMJ	78.31	319	P	55	59.80	0.2				eS	03	19.50		
			S	45	59.00		YONJ	78.87	322	P	56	02.60	0.0	ASPA	16.72	166	eP	01	42.70	1.0	
HBZ	7.21	193	P	46	20.10	1.9	ADK	82.13	2	eP	56	18.00	-1.1				eS	04	38.40		
KUZ	7.26	211	P	46	26.80	8.0X		0.7s	29.43nm				5.2mb				S.D. = 1.3	on	6 of	6 obs.	
OUZ	7.31	229	P	46	28.90	9.5X	NJ2	85.25	312	eP	56	36.50	1.3								
PUZ	7.68	192	P	46	25.60	1.7	BCH	86.14	45	eP	56	40.49	0.8	? SEP 11, 1993	14h	47m	26.98±	6.30s			
			S	47	55.10		ABL	86.45	46	eP	56	41.63	0.3	32.379 S ±39.4km		71.860 W ±29.3km					
URZ	8.12	198	P	46	30.60	1.4	PLM	86.97	48	iPd	56	44.15	0.3	DEPTH = 10.0km		(geophysicist)					
			S	48	05.20		PEC	87.12	48	eP	56	44.48	0.1	NEAR COAST OF CENTRAL CHILE		(135)					
NOZ	8.25	193	eP	46	31.80	1.0		0.8s	12.47nm				4.9mb				MD 3.6	(SAN).			
WLZ	8.27	207	eP	46	36.70	5.7X	KMPM	87.39	39	ePd	56	46.08	0.6								
TAZ	8.27	201	eP	46	39.30	8.3X	ISA	87.45	46	iPd	56	46.09	0.2	ROCH	0.93	130	iP	47	44.95	0.1	
PATZ	8.49	202	eP	46	40.50	6.7X		1.0s	41.67nm				5.3mb				iS	47	53.15		
PAHZ	8.70	197	eP	46	37.70	1.4	CMB	87.86	43	ePd	56	47.46	-0.4	JACH	1.11	106	iP	47	48.56	0.6	
MAHZ	8.83	192	eP	46	40.10	2.2		0.8s	17.94nm				5.1mb				iS	48	00.42		
MOZ	9.13	208	eP	46	48.30	6.8X	MDJ	87.94	326	eP	56	49.00	1.1	LCCH	1.12	167	iP	47	48.32	0.4	
TTH	9.40	197	P	46	46.40	1.6		1.2s	27.00nm				5.1mb				iS	47	58.79		
NGZ	9.42	203	eP	46	47.50	2.2	GLA	88.10	50	iPd	56	50.09	1.0	PEL	1.25	128	iP	47	49.82	-0.4	
WAHZ	9.67	198	P	46	48.10	-0.1	GSC	88.25	47	iPd	56	49.95	0.2				iS	48	01.99		
TEHZ	9.83	196	P	46	49.40	-0.7	WDC	88.36	40	ePd	56	49.71	-0.3	TACH	1.49	149	iP	47	53.35	-0.4	
BSZ	10.21	204	eP	46	58.10	3.4X		1.3s	23.69nm				5.0mb	LNW	1.62	167	iP	47	55.31	-0.3	
MNG	10.77	200	P	46	59.50	-2.2	LGPM	88.44	39	iPd	56	50.86	0.3				iS	48	12.77		
			eS	49	00.00		SNY	89.00	321	Pc	56	53.60	0.7	FCH	1.62	126	iP	47	55.42	-0.6	
KIW	11.17	202	eP	47	04.60	-1.9	BONR	89.05	44	iPd	56	53.16	-0.5				iS	48	12.47		
MTW	11.27	199	eP	47	06.60	-1.0	LBFM	89.25	40	iPd	56	54.25	-0.2	PCH	1.68	138	iP	47	56.11	-0.5	
CAW	11.35	201	eP	47	08.90	0.3	CN2	89.40	324	P	56	55.40	0.7	CACH	2.03	149	iP	48	02.85	1.1	
DIW	11.46	205	eP	47	10.20	0.2		1.0s	30.00nm				5.2mb				iS	48	25.17		
BLW	11.47	199	eP	47	09.40	-0.7	TNP	89.78	44	iPd	56	56.77	-0.2				S.D. = 0.7	on	9 of	9 obs.	
MRW	11.57	202	eP	47	09.30	-2.0		0.8s	16.53nm				5.0mb								
			eS	49	18.40		TUC	90.36	52	eP	57	01.21	1.6	* SEP 11, 1993	14h	48m	07.85±	1.52s			
MOW	11.58	199	eP	47	09.70	-1.8		0.9s	21.85nm				5.1mb	51.313 N ±15.4km		15.817 E ± 7.2km					
WEL	11.60	201	eP	47	12.90	1.2	TIY	92.90	313	Pd	57	14.00	2.9X	DEPTH = 10.0km		(geophysicist)					
TCW	11.70	203	eP	47	10.80	-2.0	SRU	94.54	47	eP	57	18.28	-0.5	POLAND			ML 3.7	(VIE), 3.7	(GRF), 3.0	(548)	
QRZ	12.03	210	eP	47	15.80	-1.1	HVU	94.75	44	eP	57	19.80	0.1				ML 3.7	(VIE), 3.7	(GRF), 3.0	(548)	
THZ	12.67	206	eP	47	23.40	-1.3	FBA	98.35	13	eP	57	33.78	-1.4	(CLL).							
			eS	49	42.90			0.5s	1.01nm				4.4mb								
KHZ	13.02	203	eP	47	26.90	-1.8	LMN	127.99	54	ePKP	03	01.00	-1.4	KSP	0.56	147	iPd	48	17.30	-1.9	
			eS	49	48.40		SDF	139.98	345	ePKP	03	17.00	-7.3X		0.3s	174.00nm		iS	48	26.20	
TVI	13.58	359	eP	47	33.30	-2.4	KAF	144.20	339	iPKP	03	29.20	-2.5					eLR	48	33.40	
LTZ	13.79	206	P	47	35.90	-2.2		0.6s	64.30nm					BRG	1.26	250	iPg	48	32.00	0.8	
NDE	13.94	356	eP	47	37.60	-2.5	OBN	144.45	324	iPKPd	03	31.50	-0.8					iSg	48	52.40	
UDU	14.35	359	eP	47	37.60	-7.2X		1.8s	504.00nm					PRU	1.55	212	Pn	48	35.70	0.1	
MQZ	14.46	203	P	47	43.30	-2.6			e	03	49.00				0.4s	73.90nm		Pg	48	38.70	
			S	50	19.20		NSS	145.23	351	ePKP	03	32.27	-1.1					i	48	41.50	
WVZ	14.64	209	eP	47	47.90	0.0	NUR	145.95	339	iPKP	03	35.40	0.7					Sn	48	54.20	
DZM	15.03	301	iPc	47	55.10	2.8X		0.7s	83.70nm				1.1					Sg	49	01.50	
BWZ	16.19	208	eP	48	02.60	-1.9	MOL	147.64	354	ePKP	03	38.39	2.6X	CLL	1.77	271	iPn	48	36.80	-1.8	
BKM	16.90	317	iPc	48	14.00	1.9	UPP	148.47	343	iPKP	03	41.30	2.6X					iPg	48	40.00	
MSZ	17.13	211	eP	48	16.30	1.9			i	03	46.20							iSg	49	07.10	
TUZ	17.48	205	eP	48	26.50	8.6X	NB2	148.67	350	PKP	03	41.30	2.2	VRAC	2.07	166	ePn	48	42.80	-0.2	
BRS	24.27	271	iPc	49	28.00	4.1X		0.8s	40.70nm						0.2s	7.40nm		eSg	49	15.60	
	0.8s	10.00nm			4.3mb		BCAO	148.84	217	iPKPc	03	46.00	5.2X					Pn	48	50.50	
			e	49	40.00			0.9s	14.00nm					KHC	2.61	214	Pn	48	50.50	-0.4	
ARMA	24.69	263	eP	49	32.50	4.7X			ic	05	14.10							ePg	48	56.00	
CTA	32.39	281	iPd	50	40.00	4.3X	HFS	149.09	347	ePKP	03	42.30	2.6X					eSg	49	27.50	
	0.8s	7.46nm			4.2mb			0.8s	55.30nm									e	49	38.00	
			e	51	54.00		BHL	150.01	286	PKP	03	48.00	5.9X	HOF	2.69	250	ePn	48	51.30	-0.7	
			i	56	25.00		KONO	150.24	350	ePKP	03	44.20	2.8X	MOX	2.74	258	ePg	48	59.70	7.1X	
STK	33.02	258	eP	50	41.80	0.8	KAS	151.02	301	iPKPd	03	50.40	7.1X					eSg	49	36.60	
	0.6s	4.30nm			4.1mb		KSP	156.49	334	ePKP	04	01.10	10.6X	OJC	2.75	112	eP	48	54.10	1.2	
			eS	55	39.20			0.8s	28.00nm									iS	49	29.10	
ASPA	41.65	268	eP	51	54.30	1.6	KHC	158.90	335	ePKP	03	53.40	0.0	GEC2	2.82	210	Pn	48	54.50	0.6	
	1.1s	7.60nm			3.8mb		GEC2	159.09	335	ePKPc	03	53.00	-0.7					Pg	49	01.10	
Z	22s	0.10um			3.6Msz			0.7s	0.74nm									Sg	49	41.00	
			ePP	53	15.80				e	04	01.00			WET	2.87	222	eP	48	54.80	0.2	
			iScP	57	01.00				e	04	06.40			VKA	3.07	174	iPgC	49	05.80	8.5X	
			iS	57	44.00				e	04	11.20							iSg	49	48.10	
			iScS	01	18.90				ec	04	32.50			ZST	3.23	165	eP	49	18.60	19.0X	
WB2	42.64	273	iPc	52	01.90	1.2			e	04	37.80							i	49	50.90	
	0.5s	21.50nm			4.6mb													e	01	38.60	
			i	56	28.80													ePn	49	01.50	
			i	56	34.90													ePg	49	14.10	
			e	57	04.60													eSg	49	58.80	
			e	57	58.60																
WRA	42.65	273	P	52	02.29	1.5								SPC	3.55	125	eP	49	11.30	7.0X	
CSY	54.32	208	eP	53	29.60	0.7												S.D. = 1.1	on	11 of	15 obs.
	1.0s	6.30nm			4.0mb																
MHA	55.40	27	eP	53	35.58	-1.6															
SPA	59.60	180	iPc	54	08.50	2.5	SLKI	1.86	108	ePc	58	30.00	-0.1	? SEP 11, 1993	15h	18m	00.15±	2.25s			
	0.5s	18.52nm			4.9mb		TLE	3.66	62	iPd	58	52.20	0.0	14.033 N ±25.3km		93.317 W ±14.3km					
CHJJ	76.78	327	P	55	50.70	-0.5								DEPTH = 33.0km		(normal)					
KAGJ	77.28	318	P	55	54.40	0.4	MTN	5.64	164	eP	59	19.00	0.6	4.1mb (3 obs.)							
MAT	77.56	326	iPd	55	54.40	-1.1		0.3s	243.00nm				6.0mb X	NEAR COAST OF CHIAPAS, MEXICO							

11d 15h

SCX 2.77 14 iP 18 43.72 0.6
IXG 2.78 87 eP 18 43.51 0.0
YUP 3.41 87 eP 18 53.29 0.7
OXX 4.47 313 iP 19 34.32 26.8X
LVVM 6.42 333 (P) 19 04.60 -30.2X
IIT 6.89 317 (P) 19 46.32 4.5X
PPM 7.14 315 (P) 20 00.77 15.3X
LTX 17.99 329 (P) 22 08.34 -1.2
UYO 20.07 357 iPd 22 35.50 1.9
MIAR 20.42 359 eP 22 37.87 0.6
0.9s 7.72nm 4.1mb
ALQ 23.96 333 eP 23 13.30 0.6
1.0s 2.88nm 3.8mb
YKA 50.71 347 eP 26 56.90 -1.5
0.8s 3.20nm 4.4mb
GBA 151.06 19 PKP 37 55.00 8.8X
S.D. = 1.4 on 9 of 14 obs.

* SEP 11, 1993 16h 09m 58.68± 1.47s
31.659 S ± 9.4km 68.909 W ± 15.9km
DEPTH = 107.3 ± 15.7 km
SAN JUAN PROVINCE, ARGENTINA (137)

ZON 0.23 60 iPd 10 13.50 -0.9
RTCV 0.37 122 iPd 10 15.40 0.6
RTLL 0.50 49 iPc 10 15.50 0.0
CFA 0.57 85 iPc 10 16.30 0.3
RTRS 1.56 342 iPd 10 26.60 0.2
RTPR 2.46 57 e(P) 10 38.00 -0.1
RFA 3.13 173 iPc 10 47.00 -0.1
S.D. = 0.7 on 7 of 7 obs.

* SEP 11, 1993 16h 14m 53.22± 3.52s
36.706 N ± 25.9km 7.094 E ± 22.5km
DEPTH = 10.0km (geophysicist)
NORTHERN ALGERIA (396)
mbLg 3.9 (MDD).

ESEL 4.50 314 iPd 16 04.70 1.7
PGF 6.02 14 Pn 16 26.70 2.2
ETER 6.48 331 eP 16 30.60 -0.3
LMR 6.63 356 Pn 16 33.00 -0.1
LRG 6.76 355 Pn 16 34.50 -0.4
FRF 6.85 357 Pn 16 35.30 -0.9
ECHE 6.97 297 eP 16 39.20 1.2
SBF 7.15 2 Pn 16 39.20 -1.3
ENIJ 7.46 275 eP 16 42.90 -1.9
EHUE 7.80 281 eP 16 50.70 1.1
EVIA 7.85 287 eP 16 51.30 1.0
EPF 8.17 323 Pn 16 56.90 2.2
Sn 18 27.50
ECOG 8.55 277 eP 17 00.10 0.0
EGUA 8.56 274 eP 17 00.00 -0.1
EBAN 8.78 283 eP 17 02.50 -0.6
LPG 8.79 358 Pn 17 03.80 0.3
LPL 8.81 358 Pn 17 03.70 0.0
CAF 9.05 337 Pn 17 08.60 1.8
ELUQ 9.11 279 eP 17 08.50 0.7
LPO 9.14 332 Pn 17 05.30 -2.8
RJF 9.57 336 Pn 17 11.30 -2.6
GUD 9.63 297 eP 17 14.30 -0.7
EHOR 9.90 280 eP 17 17.70 -0.9
BSF 11.12 359 Pn 17 30.90 -4.4X
HAU 11.31 357 Pn 17 38.10 0.3
S.D. = 1.4 on 24 of 25 obs.

% SEP 11, 1993 16h 19m 55.78± 0.84s
26.390 S ± 6.5km 27.392 E ± 9.2km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)

ML 2.5 (PRE).

PRY 0.54 172 eP 20 05.70 -0.9
S 20 13.00
KSR 0.69 320 eP 20 09.00 -0.5
S 20 17.50
SLR 1.03 51 iPc 20 16.00 0.1
S 20 29.00
SEK 1.94 174 iPc 20 31.00 1.2
S 20 55.00
SWZ 2.01 246 eP 20 31.80 0.9
S 20 56.10
BLF 2.91 201 eP 20 43.00 -0.8
S 21 19.50
S.D. = 1.2 on 6 of 6 obs.

SEP 11, 1993 16h 43m 29.37± 0.70s
41.244 N ± 7.4km 21.984 E ± 4.9km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.4 (THE).

GRG 0.43 132 iPg 43 36.98 -1.1
iSg 43 43.46
FNA 0.65 225 ePg 43 41.22 -1.2
eSg 43 50.50
KNT 0.69 97 iPg 43 42.66 -0.5
eSg 43 52.82
SKO 0.83 331 iPg 43 46.00 0.5
iSg 43 57.50
OHR 0.90 262 ePg 43 45.40 -1.3
THE 0.96 129 iPg 43 48.01 0.4
iSg 44 01.89
SOH 1.12 112 ePg 43 50.14 -0.2
eSg 44 05.54
LIT 1.21 161 iPb 43 51.57 -0.3
iSb 44 08.82
SRS 1.22 95 ePb 43 51.62 -0.5
OUR 1.77 120 ePb 44 01.38 1.2
PAIG 1.84 135 ePb 44 01.70 0.4
eSb 44 27.18
IGT 2.12 217 ePn 44 07.66 2.3
AGG 2.24 173 ePn 44 07.38 0.4
S.D. = 1.1 on 13 of 13 obs.

% SEP 11, 1993 17h 01m 55.78± 0.77s
47.350 N ± 19.5km 5.315 E ± 10.6km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.8 (LDG).

HAU 0.96 46 Pg 02 14.00 0.0
Sg 02 27.90
LBF 0.98 249 Pg 02 14.50 0.0
Sg 02 26.60
LOR 0.99 266 Pg 02 14.50 -0.1
Sg 02 26.90
BSF 1.11 64 Pg 02 16.70 0.0
Sg 02 30.90
SMF 1.23 236 Pg 02 18.40 -0.3
Sg 02 32.80
SSF 1.27 258 Pg 02 19.30 0.0
Sg 02 35.50
AVF 1.45 248 Pg 02 22.50 0.4
Sg 02 39.30
S.D. = 0.3 on 7 of 7 obs.

SEP 11, 1993 17h 36m 46.33± 0.14s
20.113 N ± 2.5km 121.446 E ± 3.7km
DEPTH = 42.4km (20 depth phases)
5.4mb (87 obs.) 5.4MsZ (22 obs.)
PHILIPPINE ISLANDS REGION (248)
Mw 5.6 (HRV).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 79C
Centroid Location:
Origin Time 17:36:48.4 0.3
Lat 20.24N 0.03 Lon 121.32E 0.03
Dep 30.5 2.0 Half-duration 1.5
Moment Tensor; Scale 10**17 Nm
Mrr= 1.79 0.06 Mtt= 0.02 0.08
Mff=-1.80 0.08 Mrt=-1.48 0.16
Mrf=-1.61 0.17 Mtf=-0.74 0.07
Principal Axes:
T Val= 2.89 Plg=62 Azm=148
N 0.08 13 32

P -2.96 24 296
Best Double Couple: Mo=2.9*10**17
NP1: Strike= 1 Dip=24 Slip= 56
NP2: 217 70 104

PIP 1.94 204 iPc 37 18.00 0.5
iS 37 37.50
CVP 2.42 172 iPd 37 27.00 2.7
iS 38 01.00
BCP 3.76 192 iPc 37 44.00 0.5
eS 38 29.00
BAG 3.77 193 ePc+ 37 43.50 -0.2
1.1s 582.28nm
eS 38 24.00
QCP 5.46 184 eP 37 46.00 -21.4X
QVP 5.48 184 ePd 38 10.00 2.4
iS 39 20.00
QZH 5.48 332 Pn 38 04.00 -3.7X
Z 16s 21.70um
N 12s 13.80um
Sn 39 02.10
TGY 6.00 185 ePd 38 17.00 2.0
GQP 6.25 171 iPd 38 19.00 0.6
iS 38 31.20
HKC 7.13 289 iP 38 25.90 -4.9X
GZH 8.10 293 iPd 38 38.60 -5.7X
Z 16s 19.60um
N 15s 11.10um
E 15s 14.40um
PLP 9.52 159 ePd 39 04.80 0.8
MAP 10.04 166 iPc 39 14.00 3.0X
PPR 10.61 195 iPd 39 17.00 -1.8
SSE 10.94 359 P 39 23.20 0.0
Z 16s 9.70um
N 12s 4.90um
E 14s 5.30um
sP 39 36.00
QIZ 10.99 266 eP 39 19.00 -5.1X
Z 13s 7.72um
N 13s 4.83um
S 41 17.20
CGP 12.01 164 ePc 39 41.00 3.2X
NJ2 12.11 349 eP 39 36.00 -3.1X
Z 20s 7.40um
N 11s 5.59um
E 12s 1.72um
eS 41 49.00
WHN 12.20 330 eP 39 36.00 -4.3X
Z 16s 17.80um
N 14s 13.10um
E 14s 9.74um
pP 39 42.00
S 42 00.00
BIP 12.70 158 iP 39 59.00 12.0X
CTB 13.11 168 ePd 39 57.00 4.5X
DAV 13.55 162 eP 40 00.00 1.7
KKM 14.88 201 ePd 40 12.40 -3.4X
GYA 14.97 298 iPd 40 14.00 -3.0
1.2s 230.00nm 5.3mb
Z 16s 11.40um 4.2MsZ
N 12s 2.91um
E 12s 4.38um
TSM 16.10 193 ePc 40 32.00 0.6
TIA 16.48 348 eP 40 36.90 0.8
1.8s 150.00nm 4.8mb
Z 20s 13.60um 4.7MsZ
N 12s 3.21um
E 13s 3.43um
pP 40 47.00
S 43 41.00
XAN 17.78 324 P 40 51.90 -0.4
1.6s 240.00nm 5.1mb
Z 14s 13.10um 4.5MsZ
N 14s 10.70um
E 12s 4.12um
pP 40 59.00
sP 41 03.00
PP 41 06.00
S 44 09.00
sS 44 21.00
SS 44 32.00
PcP 45 25.00
ScS 52 36.00
KMI 17.97 290 Pd 40 53.00 -2.0
2.0s 510.00nm 5.3mb
Z 16s 17.10um 4.5MsZ
E 15s 9.10um

MNI	18.85	169	pP	41	04.50		N	12s	2.45um		N	14s	2.45um						
LOE	18.86	265	ePd	41	04.50	-1.1			pP	42	36.50	49km	E	13s	5.00um				
TIY	19.21	338	eP	41	05.00	-0.7			sP	42	41.50				pP	44	59.00	34km	
									PP	43	09.00				sP	45	03.00		
	Z	16s	17.40um						PcP	45	47.50				ScP	50	22.00		
CD2	N	11s	5.49um						S	46	58.00		PET	43.56	32	eP	44	48.00	0.4
									PcS	49	27.50			Z	20s	0.50um		4.4MsZx	
		1.2s	250.00nm	41	08.00	-1.9			ScS	53	12.00				e	46	38.00	643kmX	
	Z	22s	21.00um			4.2MsZx	HOOJ	28.85	35	eP	42	46.40	3.5X			eS	51	20.00	
	N	15s	13.10um				KHKI	28.87	192	ePd	42	42.50	-0.8			eSS	54	24.00	
									e	45	40.00								
TNE			eS	44	32.60		LSA	29.02	295	P	42	46.40	1.3						
BJI			iPcP	45	29.90			1.4s	32.00nm				4.8mb						
			eP	41	16.00	-2.8		N	14s	0.97um									
			eP	41	21.00	-1.0		E	15s	1.77um									
	Z	1.0s	77.00nm			5.0mb				S	47	36.00							
	Z	20s	7.49um			5.0MsZ				eP	42	51.10	0.1						
	N	12s	3.05um				ASAJ	29.75	32	eP	42	51.10	0.1						
			eS	45	05.00		LEM	30.03	208	ePd	42	54.80	1.0						
NST			eP	41	26.00	-0.1		1.3s	57.69nm				5.2mb						
CHTO			iPd	41	30.40	-0.8			eS	47	04.00								
		1.4s	120.19nm			5.1mb	KUSJ	30.11	35	eP	42	54.80	0.7						
			eS	45	28.90		YSS	31.95	28	eP	43	09.30	-1.0						
BDT			iPc	41	32.20	-0.9		1.2s	70.00nm				5.4mb						
		1.0s	69.00nm			5.0mb		Z	17s	2.00um			4.9MsZx						
SNY			eP	41	36.30	0.6		N	17s	1.50um									
	Z	15s	5.51um			5.1MsZx		E	19s	1.90um									
	N	16s	2.77um				CIT	32.41	351	eP	43	12.50	-1.8						
	E	12s	3.93um				GUN	33.31	290	P	43	22.60	-0.2						
			pP	41	40.80	16kmX		0.6s	52.00nm				5.6mb						
			PP	42	00.00		ZAK	33.46	339	eP	43	23.60	0.2						
			S	45	28.00			1.8s	48.00nm				5.1mb						
MAT			eP	41	39.00	0.6		Z	12s	3.92um			5.3MsZx						
		1.4s	44.19nm			4.7mb		N	12s	1.44um									
	Z	19s	2.43um			4.6MsZ		E	14s	3.26um									
			eS	45	37.00					e	44	32.00	356kmX						
LZH			iPd	41	40.50	0.0				e	46	04.00							
		2.0s	410.00nm			5.5mb				eS	48	37.00							
	Z	16s	7.77um			5.2MsZx	KKN	33.83	290	P	43	26.40	-0.8						
	N	15s	7.26um					0.6s	22.00nm				5.3mb						
			pP	41	49.00	30kmX	DMN	33.97	290	P	43	27.60	-0.8						
			sP	41	54.00		MTN	34.11	163	eP	43	26.50	-2.8						
			PP	42	11.00			0.4s	76.00nm				6.0mb						
			iS	45	42.00		IRK	34.76	341	eP	43	35.00	0.4						
HHC			iPd	41	43.30	1.4		1.7s	46.00nm				5.1mb						
		1.0s	26.00nm			4.6mb		Z	18s	6.51um			5.4MsZ						
	Z	15s	12.40um			5.5MsZx		N	19s	4.14um									
	N	13s	6.60um					E	18s	3.06um									
	E	15s	3.17um							e	43	43.00	27kmX						
			pP	41	50.00	24kmX				e	45	06.00							
			sP	41	59.00					eS	49	00.00							
			PP	42	09.00					e	51	42.00							
KHT			eP	41	44.00	1.1	KNA	36.36	168	eP	43	46.30	-2.1						
BTO			iPc	41	45.00	0.1	WMQ	36.73	318	P	43	52.50	1.0						
		1.0s	13.00nm			4.3mb X		2.0s	45.00nm				5.0mb						
	N	11s	4.02um					Z	17s	5.05um			5.4MsZx						
	E	11s	3.57um					N	15s	4.67um									
			pP	41	52.00	25kmX		E	13s	2.12um									
			PP	42	14.00					PP	45	18.00							
			S	45	47.00					S	49	36.00							
GUMO			eP	41	51.60	0.0				ScP	49	56.00							
		1.1s	368.00nm			5.8mb				PcS	49	59.00							
GUA			eP	41	52.50	0.3				ScS	54	06.00							
		0.7s	104.11nm			5.4mb	PMG	38.74	137	eP	44	08.00	-0.5						
CN2			eP	41	55.70	-0.9	HYB	40.62	274	eP	44	24.20	0.1						
		0.6s	8.00nm			4.4mb	MBL	41.05	182	iPc	44	26.40	-1.0						
	Z	14s	4.02um			5.0MsZx		0.5s	85.00nm				5.7mb						
	N	13s	2.27um				WRA	41.76	162	P	44	32.20	-1.2						
	E	13s	2.74um					0.8s	163.80nm				5.8mb						
			epP	42	04.00	30kmX	WRA	41.76	162	P	44	51.00	17.6X						
			eS	46	08.00			1.2s	16.10nm										
VLA			iPc	42	09.00	5.6X	WB2	41.77	162	iPc	44	31.80	-1.6						
		1.5s	64.00nm			4.9mb		0.7s	334.60nm				6.2mb						
			i	42	18.00	32kmX			iS	50	44.40								
			i	42	39.00		YAK	42.26	6	iPc	44	35.10	-1.8						
			i	42	49.00			1.5s	88.00nm				5.3mb						
			iS	46	23.00			Z	14s	0.40um			4.5MsZx						
			i	47	11.00			E	14s	2.30um									
			eSS	47	35.00					e	46	15.00	556kmX						
IPM			ePc	42	09.10	-0.4				e	46	37.00							
MKS			iPd	42	11.00	0.8				eS	50	51.00							
MDJ			eP	42	10.70	-0.3				e	53	50.00							
	Z	16s	5.90um			5.2MsZx	GBA	42.52	268	P	44	40.00	0.4						
	N	17s	1.61um				NANU	42.81	188	eP	44	41.70	-0.1						
	E	17s	3.73um					0.4s	12.00nm				5.0mb						
GTA			Pd	42	24.00	-0.2	KSH	43.40	307	eP	44	49.00	2.3						
		2.0s	99.00nm			5.1mb		0.8s	30.00nm				5.1mb						
	Z	16s	6.86um			5.3MsZx		Z	16s	6.56um			5.6MsZx						

11d 17h

	1.4s	57.00nm	5.5mb		E 16s	4.50um			epP	49 26.30	21kmX				
Z	20s	0.90um	4.9Msz			e	48 27.00	36km	esP	49 32.50					
N	16s	0.40um		SDF	73.54 336	iP	48 16.80	0.5	ePP	52 45.00					
E	20s	0.60um		KLU	73.79 30	ePd	48 17.59	-0.4	iSKS	59 46.10					
		i	46 55.00	16kmX		e	48 28.93	38km	S	59 59.90					
		i	47 02.30		SIM	74.23 313	eP	48 20.00	-0.8	e	00 36.00				
		eS	55 00.00		Z 20s	1.30um		5.2Msz	CLL	85.44 323	iPc	49 20.80	0.1		
		e	56 40.00			e	48 28.00	26kmX	1.7s	64.00nm	5.5mb				
		eSS	59 00.00			eS	57 52.00		Z 18s	1.50um	5.4Msz				
RIV	60.66 152	eP	46 56.20	0.7	KAF	74.81 331	eP	48 23.40	-0.3		i	49 33.30	41km		
DZM	60.74 131	iPc	46 55.70	-0.7	BALM	75.57 30	eP	48 27.76	-0.6	KHC	86.08 321	P	49 25.00	1.0	
CAN	61.01 154	iPc	46 58.30	0.3	TRO	75.59 339	eP	48 28.00	-0.1		1.5s	23.20nm	5.2mb		
		e	47 13.00	54kmX	NUR	75.99 330	eP	48 30.60	0.1	Z 15s	1.50um	5.5MszX			
		i	47 16.60		INK	76.90 22	eP	48 35.50	0.0	N 18s	1.00um				
		i	47 35.40			1.0s	8.00nm	4.7mb	E 18s	0.70um					
CNB	61.16 154	iPc	46 59.30	0.3	CSS	77.27 303	eP	48 38.00	-0.2		e	49 37.50	41km		
	1.2s	313.00nm	6.3mb		KIS	77.27 316	eP	48 50.00	12.1X		e	59 56.00			
TOO	61.68 158	iPc	47 02.40	-0.1		eS	58 24.00		GEC2	86.13 321	eP	49 24.50	0.1		
	0.7s	233.00nm	6.4mb X		THZ	77.80 143	eP	48 41.00	0.1		1.7s	28.37nm	5.2mb		
BAK	63.40 306	eP	47 16.00	2.1	URZ	78.08 138	eP	48 42.20	-0.2		e	49 32.50	25kmX		
	Z 16s	2.34um	5.5MszX		NOZ	78.88 138	eP	48 47.50	0.7		e	49 39.80			
	N 16s	2.09um			VRI	79.02 315	iPc	48 47.50	-0.1		e	49 50.80			
	E 15s	2.39um			PGZ	79.02 141	P	48 48.30	0.8	MOX	86.52 323	eP	49 26.50	0.4	
		iS	55 52.00		LVV	79.52 319	eP	48 50.00	-0.2		1.9s	47.00nm	5.4mb		
GRO	66.27 309	eP	47 33.50	1.0		Z 20s	2.10um	5.5Msz		Z 19s	2.00um	5.5Msz			
	Z 17s	1.50um	5.3MszX			E 16s	1.50um				e	59 53.00			
	N 16s	2.50um					eS	58 45.00		CSY	86.53 184	eP	49 25.90	0.4	
	E 20s	2.00um					ePS	59 47.00			0.8s	12.90nm	5.2mb		
		i	47 47.00	47km	UPP	79.52 330	iP	48 49.20	-0.7	YKA	86.61 23	eP	49 26.60	0.3	
		iS	56 22.00				iS	58 46.00			0.6s	8.60nm	5.2mb		
KER	66.31 300	eP	47 32.00	-1.1	SIT	80.28 33	eP	48 55.04	1.0	VBY	86.63 317	eP	49 26.80	0.1	
TAB	66.40 304	eP	47 35.00	1.4		0.7s	18.36nm	5.1mb		LJU	86.86 318	eP	49 28.00	0.2	
		e	47 48.00	45km	CMP	80.33 315	ePc	48 57.00	2.3	BHG	87.13 320	eP	49 30.40	1.3	
SDN	66.94 37	ePc	47 33.79	-2.7	DAG	80.43 351	eP	48 55.40	0.8	KBA	87.14 319	iPd	49 29.80	0.4	
	0.7s	44.12nm	5.6mb			1.8s	204.55nm	5.8mb			0.7s	8.60nm	5.1mb		
ERE	67.52 306	iP-	47 42.00	1.4	CIN	80.56 307	eP	48 56.00	0.0		i	49 46.80	60kmX		
		iS	56 38.00		ALN	81.03 310	i(P)d	48 58.48	0.1	GRF	87.19 322	ePc	49 29.90	0.5	
PYA	68.09 310	iP	47 41.30	-2.7	HFS	81.23 331	eP	48 57.80	-1.2		Z 20s	2.00um	5.5Msz		
	Z 18s	2.50um	5.5Msz			0.6s	8.50nm	4.9mb			e	49 43.80	47km		
	N 18s	1.00um				Z 17s	2.20um	5.6MszX		VOY	87.26 318	eP	49 29.70	-0.2	
	E 18s	1.80um					LR	23 59.00			e	49 51.30	79kmX		
		e	47 54.00	44km	DEV	81.54 316	ePc	49 00.00	-1.0	TRI	87.49 318	eP	49 24.00	-6.8X	
		eS	56 43.00		NB2	81.93 333	P	49 00.00	-2.7	FUR	87.88 321	eP	49 33.40	0.7	
TTA	68.91 29	ePc	47 48.52	-0.3		0.8s	14.70nm	5.1mb			Z 16s	1.50um	5.5MszX		
	0.8s	17.66nm	5.1mb		OJC	81.95 321	eP	49 03.20	0.2	WTTA	88.09 320	iPc	49 33.50	-0.5	
SVW	69.21 31	eP	47 50.66	0.1			e	49 10.90	24kmX		0.6s	11.20nm	5.3mb		
	0.7s	48.52nm	5.6mb		SPC	82.06 319	eP	49 04.10	0.3	WIT	88.13 327	eP	49 37.00	3.2X	
IMA	69.74 26	ePc	47 53.20	-0.6	NAO	82.19 332	P	49 00.38	-3.7X	WTS	88.48 326	eP	49 36.00	0.5	
	0.7s	9.60nm	4.9mb		RES	82.62 9	eP	49 05.50	-0.6		0.8s	5.30nm	4.9mb		
MOS	70.18 323	eP	47 56.00	-0.5		1.0s	10.00nm	4.8mb		OSS	89.26 320	ePd	49 40.50	0.9	
	Z 18s	2.10um	5.4Msz		OUR	82.70 310	i(P)d	49 04.80	-2.3	ENN	89.60 325	eP	49 42.00	1.2	
		e	48 09.00	45km	SRS	82.71 311	i(P)d	49 07.28	0.1		1.0s	20.00nm	5.4mb		
		e	48 24.00		MOL	82.72 335	eP	49 07.03	0.3	LLS	89.86 321	ePd	49 43.10	0.7	
SOC	70.55 310	eP	48 05.00	6.0X	JNW	82.76 345	eP	49 08.00	1.2	FIR	89.96 317	eP	49 44.00	1.4	
	Z 16s	1.40um	5.3MszX		RAC	82.95 321	eP	49 09.00	0.8	WLF	90.06 324	iPc	49 44.80	1.8	
	N 17s	1.00um			SOH	82.98 311	i(P)d	49 08.28	-0.3		1.3s	63.50nm	5.8mb		
	E 17s	0.90um			PAIG	83.06 310	i(P)d	49 07.96	-1.0		id	49 59.59	50km		
		e	48 10.00	16kmX	KNT	83.19 311	i(P)d	49 09.72	0.1	CDF	90.08 323	eP	49 42.90	-0.4	
		eS	57 11.00		KONO	83.29 332	eP	49 22.00	12.3X		1.7s	66.90nm	5.7mb		
		e	01 49.00		GRG	83.61 311	i(P)d	49 11.82	0.0	TMA	90.31 320	ePd	49 44.60	0.1	
CP2	70.82 31	eP	48 00.31	-0.3	KSP	83.77 322	iPc	49 13.20	0.9	SNF	90.62 325	P	49 46.80	1.3	
OBN	70.84 323	eP	48 00.00	-0.5			i	49 29.00	55kmX	BSF	90.66 322	eP	49 45.50	-0.5	
	1.5s	70.00nm	5.4mb		LIT	83.85 310	i(P)d	49 12.72	-0.3		1.4s	17.85nm	5.2mb		
	Z 18s	2.40um	5.5Msz		SKO	83.92 312	P	49 13.50	0.2	DOU	90.68 325	P	49 49.00	3.2X	
	N 18s	0.80um				1.4s	90.00nm	5.7mb		HAU	90.83 323	eP	49 46.20	-0.4	
	E 18s	1.90um					i	49 26.60	44km		1.1s	12.20nm	5.2mb		
		i	48 12.00	40km	VRAC	84.22 321	iPc	49 15.90	1.3		Z 21s	1.85um	5.5Msz		
		e	48 28.00			2.2s	326.90nm	6.0mb		MMK	90.89 320	ePd	49 48.20	1.0	
		e	50 43.00		AGG	84.36 309	i(P)d	49 14.24	-1.4	DIX	91.20 321	Pd	49 49.70	1.0	
		eS	57 12.00		ZST	84.36 319	eP	49 15.80	0.4	BMW	91.76 39	eP	49 52.05	1.0	
		ePS	57 48.00		FNA	84.40 311	i(P)d	49 15.32	-0.5	LPG	91.90 320	eP	49 52.30	0.3	
CRP	70.86 31	eP	48 00.11	-0.7	OHR	84.68 312	eP	49 16.50	-0.7		1.1s	31.25nm	5.7mb		
KDC	71.15 34	eP	48 01.60	-0.7	VKA	84.81 320	iPc	49 18.70	1.1	LPL	91.90 320	eP	49 52.10	0.2	
	0.8s	25.82nm	5.3mb				e	49 43.00	91kmX		0.8s	13.05nm	5.4mb		
SLKM	71.91 31	eP	48 05.08	-1.8	SOP	84.90 319	e(P)	49 18.00	-0.1	PGF	92.00 317	eP	49 52.60	0.4	
ANN	72.03 312	eP	48 07.00	-0.9	MUD	85.03 329	iPc	49 20.30	1.8		0.8s	27.65nm	5.7mb		
	1.5s	80.00nm	5.5mb			1.0s	78.00nm	5.8mb		LON	92.44 38	eP	49 54.43	0.3	
	Z 16s	1.50um	5.4MszX		BRG	85.10 323	iP	49 20.30	1.3	LOR	92.64 323	eP	49 54.60	-0.4	
		eS	57 26.00				Z 19s	2.30um	5.6Msz		1.6s	47.90nm	5.7mb		
PMR	72.26 30	ePc	48 07.13	-1.8			N 19s	1.10um			Z 21s	1.85um	5.5Msz		
	0.8s	36.30nm	5.4mb				E 19s	0.90um		LBF	92.73 323	eP	49 55.00	-0.4	
FBA	72.31 27	eP	48 08.31	-0.9				i	49 33.50	44km		1.0s	25.00nm	5.6mb	
	0.8s	8.46nm	4.8mb		PRU	85.14 322	iPc	49 19.70	0.5	SSF	92.96 323	eP	49 56.20	-0.2	
		e	48 22.38	49km		1.4s	63.90nm	5.6mb			1.0s	10.60nm	5.2mb		
PUL	73.41 328	(P)	48 16.00	0.3		Z 17s	1.60um	5.5MszX		SMF	93.00 322	eP	49 56.40	-0.2	
	Z 16s	6.20um	6.0MszX			N 15s	0.90um				0.9s	13.25nm	5.4mb		
	N 16s	5.50um				E 16s	0.90um			AVF	93.19 323	eP	49 57.30	-0.2	

0.9s 18.65nm 5.5mb
 HYF 93.33 323 eP 49 58.50 0.4
 DPW 93.84 36 eP 50 01.74 1.2
 MAF 93.96 322 eP 50 01.20 0.1
 0.9s 14.90nm 5.4mb
 LGPM 94.94 43 eP 50 07.01 1.2
 e 50 20.59 45km
 RJF 95.09 322 eP 50 06.70 0.4
 1.1s 28.55nm 5.6mb
 Z 22s 1.10um 5.3Msz
 LBPM 95.31 43 eP 50 08.26 0.6
 ORV 96.53 44 eP 50 13.24 0.3
 BONR 99.49 44 eP 50 27.78 1.0
 SPA 109.98 180 ePKPc 55 09.60 -4.7X
 1.0s 10.00nm
 Z 25s 4.00um 5.9MszX
 NVL 115.28 200 ePKP 55 32.00 7.8X
 KIC 120.92 291 PKP 55 36.48 -0.1
 0.6s 10.00nm
 TIC 121.03 291 PKP 55 36.62 -0.2
 0.7s 6.50nm
 LIC 121.24 291 PKP 55 36.98 -0.2
 0.7s 12.50nm
 Z 22s 6.00um 6.2Msz
 TOV 148.30 21 ePKP 56 28.70 1.7
 SDV 148.83 24 ePKP 56 29.10 1.1
 SOB1 159.79 300 (PKP) 56 44.00 1.5
 TCA 167.57 155 ePKPd 56 51.50 2.2
 LPAZ 170.14 69 PKP 56 53.50 1.6
 LPB 170.26 70 PKP 56 55.00 3.3X
 CNCB 170.47 71 PKP 56 55.00 3.0X
 CCH 172.32 71 PKP 56 54.90 2.4
 PPD 172.97 253 ePKP 56 54.70 2.5
 SIV 175.25 31 PKP 56 54.60 1.5
 S.D. = 1.1 on 213 of 240 obs.

SEP 11, 1993 18h 14m 02.09± 0.25s
 3.805 S ± 4.1km 131.345 E ± 6.4km
 DEPTH = 23.7km (4 depth phases)
 5.0mb (29 obs.)
 IRIAN JAYA REGION, INDONESIA (196)

TLE 2.30 143 iPd 14 41.60 2.4
 eS 15 07.90
 SLKI 4.15 181 ePd 15 09.00 3.5X
 MNI 8.33 309 eP 16 05.00 0.5
 MTN 8.99 181 eP 16 11.30 -2.2
 0.3s 240.00nm 6.9mb X
 eS 17 52.00
 MKS 11.92 263 iPc 16 40.00 -13.7X
 KNA 12.14 192 eP 16 53.30 -3.3X
 0.3s 64.00nm 6.4mb X
 CTB 13.05 327 eP 17 08.00 -0.8
 WB2 16.31 170 eP 17 46.10 -5.2X
 0.6s 17.80nm 4.4mb
 eS 20 39.90
 PMG 16.66 110 eP 17 55.00 -0.8
 KKM 18.00 303 ePd 18 10.90 -1.7
 1.2s 126.80nm 4.9mb
 QIS 18.49 155 eP 18 17.60 -1.0
 iPP 18 26.90
 GQP 19.69 334 eP 18 38.00 5.2X
 ASPA 19.90 173 iPc 18 34.70 -0.3
 Z 21s 0.70um
 MBL 20.56 212 eP 18 40.50 -1.4
 0.7s 69.00nm 5.1mb
 CTA 21.75 139 iPc 18 54.50 0.5
 e 22 54.00
 eS 23 47.00
 e 24 23.00
 BAG 22.73 332 eP 19 04.00 0.0
 CVP 23.35 337 eP 19 10.00 0.3
 LEM 23.81 262 Pc 19 15.30 0.8
 NANU 24.13 218 eP 19 17.50 0.2
 0.3s 8.00nm 4.7mb
 MEEK 25.77 207 eP 19 31.00 -2.0
 FORT 27.01 186 eP 19 44.50 0.2
 HNR 28.94 103 e(P) 20 08.00 6.0X
 STK 29.54 162 eP 20 05.10 -2.1
 0.9s 25.00nm 5.0mb
 eS 24 56.80
 BAL 30.03 206 eP 20 11.20 -0.4
 KLB 30.45 203 eP 20 14.80 -0.5
 1.0s 51.00nm 5.3mb
 QIZ 31.03 318 eP 20 20.60 0.1
 BRS 31.13 141 iPc 20 21.00 -0.3

1.0s 6.00nm 4.4mb
 i 20 29.00 28km
 IPM 31.42 285 ePc 20 24.80 0.8
 0.9s 41.30nm 5.3mb
 MUN 31.43 205 eP 20 23.50 -0.3
 ADE 31.75 168 iPd 20 28.10 1.4
 ARMA 32.68 146 eP 20 35.10 0.2
 0.6s 9.00nm 4.9mb
 BWA 34.35 155 iPc 20 51.10 1.8
 CAN 35.36 155 iPc 20 59.00 1.0
 TOO 36.02 161 iPc 21 05.50 2.0
 0.7s 82.00nm 5.8mb
 LOE 36.04 307 iPd 21 05.00 1.2
 KHT 37.34 300 iPc 21 16.60 1.8
 NJ2 37.58 342 eP 21 16.40 -0.2
 TKSJ 37.67 4 P 21 16.00 -1.3
 WHN 37.82 336 Pd 21 20.00 1.4
 WKYJ 38.03 6 P 21 19.50 -0.9
 BDT 38.17 304 eP 21 12.00 -9.7X
 0.8s 31.10nm 5.2mb
 GYA 38.41 323 P 21 24.80 1.0
 1.0s 22.00nm 4.9mb
 YONJ 38.84 3 P 21 26.30 -0.8
 CHTO 39.02 306 iPc 21 30.00 1.1
 1.0s 38.75nm 5.1mb
 KMI 39.98 318 Pc 21 37.50 0.5
 1.5s 60.00nm 5.1mb
 pP 21 46.00 29km
 MAT 40.65 8 eP 21 39.00 -3.1X
 0.9s 5.88nm 4.3mb
 XAN 43.18 332 P 22 02.20 -0.7
 0.7s 14.00nm 4.8mb
 pP 22 09.20 23km
 sP 22 12.70
 CD2 43.41 325 iPd 22 05.00 0.1
 OFUJ 43.72 12 P 22 09.30 2.1
 TIY 44.89 339 eP 22 16.40 -0.4
 BJI 45.80 344 eP 22 23.50 -0.3
 1.0s 33.00nm 5.2mb
 LZH 47.29 329 Pc 22 36.00 0.1
 2.0s 66.00nm 5.3mb
 sP 22 51.00
 CN2 47.68 354 eP 22 37.80 -0.9
 HHC 47.98 340 iPd 22 41.80 0.6
 1.2s 20.00nm 5.0mb
 MDJ 48.23 358 eP 22 41.70 -1.2
 BTO 48.31 338 eP 22 43.10 -0.7
 LSA 50.90 314 P 23 05.40 1.2
 1.0s 9.00nm 4.7mb
 GTA 51.89 329 eP 23 11.00 -0.1
 1.0s 17.00nm 4.9mb
 pP 23 15.50 15km
 GUN 53.94 309 P 23 27.00 0.2
 KKN 54.35 308 P 23 29.60 -0.1
 DMN 54.40 308 P 23 30.20 0.1
 0.8s 51.00nm 5.6mb
 HYB 56.19 294 eP 23 42.30 -0.6
 GBA 56.21 289 P 23 43.00 -0.1
 IRK 60.39 341 ePc 24 11.20 -0.5
 1.1s 16.00nm 5.1mb
 e 24 29.50 70kmX
 WMQ 61.50 325 P 24 19.50 0.0
 1.0s 35.00nm 5.4mb
 Z 16s 1.58um 5.3MszX
 CSY 64.06 189 eP 24 35.80 -0.2
 0.9s 6.60nm 4.8mb
 YAK 65.65 359 eP 24 45.20 -1.0
 0.9s 46.00nm 5.6mb
 KSH 66.59 316 eP 24 51.00 -1.9
 MAW 78.39 201 iP 26 03.80 1.8
 1.0s 16.67nm 5.0mb
 TTA 85.55 26 eP 26 39.59 0.1
 1.0s 6.32nm 4.8mb
 IMA 87.40 23 (P) 26 49.40 0.9
 0.9s 1.46nm 4.3mb
 SLKM 87.61 29 eP 26 48.56 -0.9
 TAB 88.40 308 eP 26 56.00 2.1
 VBY 110.82 317 e(PKP) 32 30.70 -4.3X
 BCAA 113.00 273 iPKPc 32 41.10 1.0
 0.7s 6.00nm
 NNA 147.88 120 ePKP 33 49.00 4.1X
 0.9s 84.03nm
 YJA 149.37 148 ePKPd 33 50.50 2.9X
 CNCB 151.99 138 PKP 33 55.00 3.2X
 LPB 152.11 137 PKP 33 49.00 -2.7
 LPAZ 152.26 137 PKP 34 00.00 7.8X
 S.D. = 1.1 on 67 of 80 obs.

* SEP 11, 1993 18h 42m 58.40± 1.79s
 13.977 N ± 22.0km 93.189 W ± 13.3km
 DEPTH = 17.1km (2 depth phases)
 4.3mb (4 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)
 MD 4.4 (GCG).

TPX 1.29 44 iPc 43 21.64 0.1
 iS 43 32.32
 PCG 2.54 80 eP 43 37.03 -2.7
 eS 44 09.85
 GCG 2.65 76 eP 43 42.08 0.8
 eS 44 18.48
 IXG 2.66 85 eP 43 42.04 0.6
 SCX 2.79 11 iP 43 46.09 3.0
 iS 44 16.64
 YUP 3.29 86 eP 43 50.88 0.4
 OXX 4.60 313 iP 44 24.20 15.2X
 IISM 6.40 322 (P) 44 50.28 16.1X
 PPM 7.27 315 (P) 44 52.79 5.9X
 LTX 18.10 329 eP 47 09.53 -1.3
 pP 47 14.32
 UYO 20.13 357 iPc 47 32.10 -2.4
 MIAR 20.48 359 eP 47 36.29 -1.8
 0.9s 14.92nm 4.4mb
 iPP 47 40.55 16km
 ALQ 24.07 332 eP 48 16.50 2.5
 0.9s 3.26nm 3.9mb
 PV08 28.06 334 (P) 48 51.14 -0.2
 pP 48 56.37 18km
 YKA 50.79 347 eP 51 59.10 -0.4
 0.6s 5.10nm 4.6mb
 SOB1 56.77 111 eP 52 45.10 0.8
 INK 60.14 344 eP 53 07.50 0.5
 1.0s 2.00nm 4.2mb
 HYB 147.76 15 ePKP 02 45.00 3.2X
 GBA 151.07 19 PKP 02 54.00 7.1X
 S.D. = 1.8 on 14 of 19 obs.

SEP 11, 1993 18h 56m 53.12± 0.13s
 10.865 N ± 2.3km 62.655 W ± 2.2km
 DEPTH = 124.2km (13 depth phases)
 4.9mb (65 obs.)
 NEAR COAST OF VENEZUELA (97)
 Felt at Carupano, Ciudad
 Bolivar, El Pilar, Guiria,
 Puerto Ordaz and Tucupita.

TGRV 2.51 217 iPd 57 33.50 -0.3
 iS 58 03.20
 GUAN 3.08 253 iPd 57 41.80 0.4
 BIM 3.95 23 iPc 57 52.24 -0.7
 S 58 38.90
 MVM 4.05 25 iPd 57 53.54 -0.8
 LLAV 4.10 265 eP 57 56.80 1.7
 iS 58 46.20
 FDF 4.12 21 ePd 57 54.58 -0.7
 OLLA 4.17 259 eP 57 55.70 -0.3
 CAR 4.21 266 eP 57 57.00 0.4
 iS 58 48.40
 CRM 4.22 24 eP 57 56.02 -0.6
 GUAC 4.59 262 iPd 58 01.80 0.0
 MGG 5.19 14 eP 58 10.62 0.9
 PAG 5.22 10 eP 58 10.38 0.1
 DOG 5.23 11 eP 58 10.69 0.3
 SFG 5.54 15 eP 58 13.31 -1.2
 MORO 5.56 271 eP 58 15.20 0.3
 iS 59 22.30
 SEG 5.62 11 eP 58 16.87 1.3
 DEG 5.63 16 eP 58 15.97 0.1
 BPA 6.19 7 eP 58 26.79 3.2X
 TOV 7.10 262 ePc 58 35.70 -0.3
 iPP 58 36.30
 iS 59 56.80
 SJG 7.96 335 i(P) 58 49.00 1.5
 LPR 8.03 338 P 58 49.20 0.7
 SDV 8.10 257 ePd 58 47.20 -2.4
 iS 00 16.60
 APR 8.51 333 P 58 56.30 1.4
 MCP 8.66 331 P 58 59.60 2.6
 FUQ 12.21 245 iPc 59 44.50 0.2
 BOG 12.89 242 eP 00 05.00 11.7X
 PSO 17.46 238 eP 00 53.50 2.7
 SIV 26.73 177 P 02 23.40 0.5
 LPAZ 27.52 191 PKP 02 31.00 0.3
 i 02 58.80 131km

11d 19h

		SKS	07 05.00		KIC	57.37	89 P	06 30.50	-0.6	BSF	68.24	43 eP	07 41.70	-0.8
		LR	49 09.00		NEW	58.61	320 eP	06 38.38	-1.0		0.8s	13.45nm		4.9mb
LPB	27.75	191 PKP	02 33.90	1.3		0.7s	49.07nm		5.6mb	CDF	68.64	42 eP	07 44.40	-0.6
	1.3s	461.54nm		6.0mb X	PAB	58.82	50 iPc	06 41.40	0.5		0.7s	8.80nm		4.7mb
	Z 20s	6.38um		5.2msz	DPW	59.16	320 (P)	06 42.88	-0.3	WTS	68.89	38 eP	07 47.00	0.8
		SKS	07 02.00		ORV	59.22	310 eP	06 42.82	-0.8		0.8s	30.30nm		5.2mb
		LR	49 15.00				esP	07 13.63		WIT	68.94	37 eP	07 48.00	1.5
CNCB	28.00	191 P	02 36.00	1.0	LBFM	59.90	312 eP	06 47.35	-1.1	GRF	71.36	41 eP	08 01.50	0.1
CCH	28.28	187 P	02 38.40	1.1			esP	07 16.59				e(pP)	08 32.10	123km
ARE	28.52	198 eP	02 39.00	-0.5	LGPM	60.50	311 eP	06 51.49	-1.0	WTTA	71.44	44 iPc	08 01.70	-0.4
SOB1	29.43	132 eP	02 47.40	0.1			esP	07 20.60			0.8s	9.80nm		4.7mb
BAO	30.07	151 Pd	02 53.90	0.9	ASR	60.86	317 P	06 55.46	0.6			i	08 05.60	13kmX
		i	09 10.30		ECB	60.93	36 eP	06 55.00	0.0	SIT	71.54	327 eP	08 02.14	0.0
		i	12 14.00		ECP	61.10	36 eP	06 57.20	1.1		0.8s	10.59nm		4.7mb
MYNC	31.03	324 eP	03 01.98	0.8	FMW	61.12	318 P	06 56.29	-0.4	BHG	72.31	43 iPc	08 07.60	0.6
	0.8s	50.77nm		5.3mb	LON	61.16	318 eP	06 55.83	-1.0	KBA	72.60	44 iPc	08 08.50	-0.4
		ePcP	05 49.56		FHC	61.34	311 eP	06 57.90	-0.2		0.9s	21.10nm		4.9mb
GBTN	31.50	325 eP	03 05.69	0.4		0.8s	30.39nm		5.3mb			i	08 12.50	13kmX
YJA	32.95	185 ePc	03 16.90	-1.6			esP	07 28.75		CLL	72.63	40 eP	08 09.00	0.2
BINY	33.32	342 eP	03 21.58	0.5	RMW	61.36	318 eP	06 56.42	-1.7		1.6s	40.00nm		4.9mb
	1.3s	87.06nm		5.4mb			esP	07 22.80				e	08 39.00	119km
		esP	03 50.43		ETA	61.38	35 eP	06 57.80	-0.2	NB2	72.76	29 P	08 09.00	-0.4
PPD	34.53	161 eP	03 32.30	0.7	JCW	61.64	319 P	06 58.35	-1.6		0.5s	2.70nm		4.3mb
		e	04 01.50	134km	RNO	61.79	314 P	07 01.46	0.4	KHC	72.86	42 eP	08 11.00	0.8
		e	06 04.20		KMOR	62.01	316 P	07 03.17	0.7		1.2s	12.00nm		4.6mb
LMN	34.91	357 eP	03 35.50	0.9	GMW	62.02	318 (P)	07 01.96	-0.5			e	08 37.00	101kmX
ELC	35.54	322 eP	03 40.21	0.2	BMW	62.04	317 P	07 02.19	-0.5	GEC2	72.92	42 ePc	08 10.20	-0.5
CBM	36.24	354 (P)	03 46.68	0.9	MCW	62.35	320 eP	07 03.51	-1.2		0.8s	7.84nm		4.5mb
	1.2s	18.33nm		4.8mb	EPF	62.97	47 eP	07 09.50	0.6			e	08 14.60	14kmX
FVM	36.72	322 eP	03 49.77	-0.1		0.8s	14.90nm		5.0mb			e	08 26.00	
	0.7s	49.79nm		5.5mb	LPF	63.11	41 eP	07 09.50	-0.1			e	08 26.30	
MIAR	36.74	315 ePc	03 50.29	0.1		0.7s	16.85nm		5.1mb			e	08 36.90	
	1.1s	29.77nm		5.0mb	GRR	63.32	41 eP	07 10.90	-0.1			e	08 38.90	
UYO	37.17	314 iPd	03 53.30	-0.4		0.8s	29.95nm		5.3mb			e	08 53.90	
RSTA	37.72	159 eP	03 58.10	-0.3	MFF	63.37	43 eP	07 11.50	0.2			e	08 57.80	
		e	04 27.50	132km		1.0s	16.00nm		4.9mb	INK	72.93	338 eP	08 09.00	-1.2
TUL	39.00	315 iP	04 09.30	0.2	YKA	63.45	336 eP	07 09.40	-2.2		1.0s	3.00nm		4.0mb
MEO	40.44	312 iPd	04 20.60	-0.3		0.6s	10.10nm		4.9mb	VOY	72.93	45 eP	08 11.40	0.6
RTPR	41.10	185 e(P)	04 25.00	-1.2	LFF	63.62	45 eP	07 13.20	0.2			e	08 27.50	58kmX
JAQ	44.08	349 eP	04 50.00	-0.3		1.5s	68.40nm		5.4mb			e	08 42.00	
PEL	44.43	190 iP	04 53.00	-0.3	FLN	63.65	41 eP	07 13.10	0.0	BRG	73.20	40 iP	08 12.80	0.7
	1.4s	441.86nm		6.0mb X		0.7s	38.90nm		5.4mb			i	08 43.10	120km
ALQ	46.43	308 eP	05 09.77	0.3	LDF	63.84	41 eP	07 14.30	-0.1	LJU	73.38	45 eP	08 14.00	0.8
	0.9s	21.28nm		4.9mb		0.9s	15.55nm		4.9mb			e	08 44.50	121km
		esP	05 39.60		LPO	63.89	45 eP	07 14.70	-0.1	PRU	73.53	41 iPd	08 14.50	0.5
GLD	47.39	315 eP	05 16.83	-0.1		1.0s	18.80nm		5.0mb		0.9s	12.70nm		4.7mb
	0.9s	39.10nm		5.2mb	RJF	64.23	45 eP	07 17.00	0.0			i	08 16.60	7kmX
ULM	47.84	332 eP	05 22.00	2.0		1.2s	19.95nm		4.9mb			i	08 45.20	
RSSD	48.64	321 eP	05 26.31	-0.2	LSF	64.43	44 eP	07 18.00	-0.2			e	08 56.70	
	0.8s	10.06nm		4.7mb		0.8s	9.00nm		4.8mb	HFS	73.85	30 eP	08 15.50	-0.2
PV08	49.37	312 eP	05 32.72	0.4	CAF	64.54	45 eP	07 18.90	-0.2		0.4s	8.00nm		4.8mb
PV09	49.69	312 eP	05 35.46	0.7		1.2s	29.75nm		5.1mb	Z	17s	0.29um		4.6mszX
SRU	50.93	312 eP	05 44.39	0.4	TCF	64.90	44 eP	07 21.10	-0.2			LR	41 52.00	
BW06	51.62	317 eP	05 48.02	-1.2		1.1s	15.15nm		4.8mb	VBY	73.87	46 ePc	08 16.00	-0.1
	0.7s	36.38nm		5.4mb	MAF	65.13	44 eP	07 22.50	-0.3			e	08 28.90	44kmX
		esP	06 17.56			1.2s	15.45nm		4.8mb	KSP	74.68	40 iP	08 21.30	0.6
		eScP	10 42.61		HYF	65.37	43 eP	07 24.30	0.0			e	08 52.20	123km
DAU	51.91	313 eP	05 51.43	-0.1	BGF	65.38	44 eP	07 24.30	0.0	ZST	75.16	43 iP	08 23.70	0.2
		esP	06 21.75			1.0s	14.40nm		4.9mb			i	08 54.30	121km
GLA	52.58	303 eP	05 56.06	-0.3	AVF	65.76	44 eP	07 26.30	-0.5	UPP	75.80	31 iP	08 27.30	0.5
		esP	06 26.43			1.2s	20.85nm		4.9mb	OJC	76.92	41 eP	08 34.50	1.2
ARUT	52.68	309 eP	05 57.24	0.1	SSF	65.91	43 eP	07 27.20	-0.6			e	09 04.80	119km
		esP	06 27.82			0.9s	7.85nm		4.6mb	KLU	77.32	331 eP	08 34.88	-0.4
DUG	52.95	313 eP	05 58.51	-0.6	SMF	66.07	44 eP	07 28.50	-0.3	FBA	78.18	334 eP	08 38.79	-1.1
	0.8s	34.69nm		5.3mb		1.2s	21.70nm		5.0mb		0.4s	3.80nm		4.5mb
		esP	06 27.95		LOR	66.19	43 eP	07 28.90	-0.6			epP	08 54.55	56kmX
HVU	53.46	314 eP	06 02.09	-0.7		0.7s	7.95nm		4.7mb	SKO	78.46	49 eP	08 43.00	1.1
		esP	06 30.61		LBF	66.22	43 eP	07 29.00	-0.8			e	09 13.00	118km
PTI	53.57	316 eP	06 02.65	-0.9		1.0s	6.60nm		4.5mb	NUR	79.31	30 iP	08 46.70	0.6
		esP	06 33.08		DOU	67.18	40 P	07 44.20	8.5X		0.4s	4.80nm		4.6mb
HHAI	53.73	316 eP	06 04.54	-0.1	LRG	67.39	47 eP	07 37.00	-0.1	SLKM	79.43	330 eP	08 46.94	0.1
		esP	06 33.08			0.7s	4.50nm		4.5mb			epP	09 02.79	56kmX
PLM	54.31	303 eP	06 08.86	-0.4	LMR	67.48	48 eP	07 37.60	-0.1	KAF	80.00	29 iP	08 50.10	0.3
		esP	06 37.56			0.9s	7.85nm		4.6mb		0.4s	3.20nm		4.5mb
GSC	54.67	306 eP	06 12.34	0.7	FRF	67.61	47 eP	07 37.60	-0.9	CRP	80.32	331 eP	08 50.83	-0.9
		esP	06 41.76			0.7s	6.15nm		4.6mb	BCAO	80.54	87 iPd	08 54.60	1.0
LRM	54.74	319 ePc	06 12.20	0.0	LPL	67.89	45 eP	07 40.90	0.3		0.4s	40.00nm		5.6mb
TNP	55.63	309 eP	06 18.91	0.2		0.8s	13.95nm		4.9mb			id	09 27.50	130km
	0.8s	10.61nm		4.9mb	LPG	67.91	45 eP	07 41.20	0.5	IMA	80.57	336 eP	08 52.69	-0.3
BONR	56.44	308 eP	06 25.21	0.6		0.8s	14.25nm		4.9mb		0.6s	2.83nm		4.2mb
		esP	06 54.56		HAU	67.97	43 eP	07 40.10	-0.6			epP	09 08.02	54kmX
MEMM	56.86	308 (P)	06 27.41	0.2		1.2s	14.90nm		4.7mb	MLR	81.37	45 eP	08 58.50	1.0
		esP	07 00.90		WLF	68.09	41 iPc	07 41.88	0.5	VR1	81.87	45 eP	09 00.00	0.1
TIC	57.05	89 P	06 28.00	-0.9		1.3s	33.20nm		5.1mb	TTA	81.94	333 eP	08 59.89	-0.2
	0.9s	11.50nm		4.9mb			ic	08 12.74	125km		0.9s	4.02nm		4.2mb
LIC	57.11	90 P	06 28.60	-0.7	ENN	68.13	40 eP	07 41.50	-0.1	SVW	82.01	331 eP	08 59.13	-1.3
	0.4s	11.50nm		5.2mb		0.7s	17.90nm		5.1mb		0.8s	25.24nm		5.1mb

11d 19h

OBN	86.42	35	epP	09 14.89	56kmX	CUSS	2.34	101	iPd	30 24.50	4.7X	SSK	30.27	315	P	35 53.10	-0.2
	0.8s		eP	09 24.00	1.4	SCX	2.37	353	iP	30 25.50	5.4X	GSC	30.31	318	P	35 53.10	-0.5
									iS	30 52.73		YSNY	30.42	20	P	35 53.60	-0.8
SNA	90.65	163	iPd	09 43.50	1.2	YUP	2.44	94	eP	30 28.05	6.7X		1.2s	145.09nm		5.7mb	
	1.0s		eP			YPE	2.56	95	iPc	30 29.60	6.5X	Z	19s	7.27um		5.3Msz	
CSY	124.45	177	ePKP	15 37.90	-0.6	VSS	3.05	102	iPc	30 36.00	6.1X	DAU	30.78	331	ePc	35 58.39	0.6
	0.7s					SJAS	3.13	103	iP	30 37.10	6.0X	GMTN	30.78	27	eP	35 57.80	0.4
MAT	128.92	338	ePKP	15 47.00	-1.1	LFU	3.17	101	iPc	30 37.40	5.9X	PNJ	30.81	27	iP	35 57.67	0.0
KKN	130.59	38	PKP	15 51.40	-0.4	VSM	4.03	103	iPc	30 49.80	5.8X	BINY	31.11	24	eP	35 59.79	-0.6
	0.6s					OXX	5.03	303	iP	30 56.50	-1.6		1.0s	170.50nm		5.8mb	
DMN	130.62	39	PKP	15 51.60	-0.3				(S)	31 55.50		Z	20s	5.22um		5.2Msz	
TIY	131.46	5	ePKP	15 54.00	1.0	LVVM	6.64	324	(P)	31 16.30	-4.2X			ePcP	38 55.34		
GBA	133.54	59	PKP	15 58.00	0.6				(S)	32 31.00		RSSD	31.29	344	P	36 02.30	0.1
XAN	134.63	10	PKP	15 58.50	-0.6	IIT	7.37	310	iP	31 30.30	-0.8		0.8s	44.98nm		5.3mb	
SSE	138.12	355	PKP	16 05.00	-0.7	PPM	7.64	309	iP	31 34.00	-1.1	Z	20s	2.34um		4.8Msz	
GYA	141.48	15	PKP	16 06.60	-5.4X	ACX	7.68	290	iP	31 32.00	-3.2X	DUG	31.36	329	ePd	36 03.13	0.3
CHTO	145.37	32	ePKP	16 18.00	-0.7				(S)	32 57.00			1.5s	81.81nm		5.3mb	
BDT	146.70	33	ePKP	16 20.00	-0.9	IIA	7.71	309	(P)	31 34.50	-1.1	Z	19s	9.46um		5.5Msz	
STK	149.36	223	ePKP	16 24.70	-0.1	III	7.94	301	iPd	31 38.00	-1.0			ePcP	38 55.52		
	0.7s								(S)	33 10.00		ISA	31.63	317	ePc	36 04.84	-0.2
			i	16 28.90		UNM	8.22	308	(P)	31 43.30	0.3		1.3s	81.88nm		5.4mb	
CTA	150.71	248	iPKPc	16 32.50	5.4X				(S)	33 02.55		ABL	31.67	315	eP	36 05.20	-0.5
	0.9s					CRX	8.65	306	iP	31 48.50	-0.4			ePcP	38 56.68		
WB2	161.30	239	iPKPd	16 40.10	-0.4	MRX	10.01	303	iP	32 07.00	-0.4	LSCT	31.85	28	ePc	36 06.29	-0.5
	0.7s					CGX	11.90	298	(P)	32 33.30	-0.1		1.2s	112.24nm		5.6mb	
			S.D. = 0.8	on 174 of 179 obs.		AGX	12.07	310	(P)	32 35.50	0.1	Z	19s	6.86um		5.4Msz	
% SEP 11, 1993 19h 08m 48.16± 0.68s						MXZ	15.98	305	(P)	33 26.00	-0.7			ePcP	38 56.87		
42.390 N ± 5.5km 19.465 E ± 4.9km						LTX	18.22	327	eP	33 55.59	0.7	BW06	31.96	336	ePc	36 07.59	-0.6
DEPTH = 10.0km (geophysicist)						PSO	19.78	130	eP	34 17.50	3.8X		1.1s	114.98nm		5.7mb	
NORTHWESTERN BALKAN REGION (383)						UYO	19.80	355	iPd	34 12.80	-0.6			ePcP	38 55.95		
						MIAR	20.12	357	P	34 15.60	-1.1	TNP	32.31	322	ePc	36 11.55	0.3
													0.9s	41.93nm		5.3mb	
TTG	0.16	285	iPgc	08 52.64	0.9									ePcP	38 57.69		
			iSg	08 56.28		Z	22s	2.68um		4.5Msz		BCH	32.45	315	P	36 11.70	-0.6
PVY	0.43	61	iPgd	08 57.06	0.1	BOG	20.42	117	eP	34 26.00	5.6X	HVU	32.56	331	iPc	36 13.78	0.5
			iSg	09 04.32					eS	38 24.00		MTUM	32.69	319	P	36 14.80	0.3
ULC	0.46	201	iPgc	08 57.17	-0.3	MEO	21.09	346	iPc	34 25.60	-1.2	BCNR	32.89	320	ePc	36 17.10	0.7
			iSg	09 04.32		FNO	21.29	348	iPc	34 19.40	-9.4X			ePcP	39 00.38		
BDV	0.48	257	iPgd	08 57.66	-0.3	TUL	21.67	352	iP	34 32.10	-0.5	MEMM	33.11	319	P	36 19.10	1.2
			iSg	09 05.31		MYNC	21.89	18	ePc	34 36.26	1.5	MMPM	33.14	319	P	36 19.00	0.5
NKY	0.55	321	iPgc	08 58.62	-0.6							FRI	33.21	318	iP	36 17.91	-0.8
			iSg	09 07.67								PTI	33.23	333	P	36 19.70	0.6
IYA	0.58	33	iPgd	09 00.23	0.3	SDV	21.91	102	eP	34 35.70	0.3	HRV	33.26	29	P	36 30.00	10.9X
			iSg	09 09.23		GBTN	22.42	18	ePc	34 41.06	1.1	Z	18s	4.67um		5.2Msz	
HCY	0.72	275	iPgc	09 02.35	0.1	TOV	22.48	99	eP	34 43.00	2.2	PRI	33.36	316	iP	36 20.10	-0.2
			iSg	09 12.59		ELC	22.98	6	eP	34 46.94	1.4	HHAI	33.57	333	P	36 22.00	0.0
BRY	0.85	307	iPgd	09 05.11	0.5	ACO	23.06	346	iPd	34 46.50	0.2	RSNY	33.67	23	P	36 22.00	-0.7
			iSg	09 17.32		FVM	23.57	4	eP	34 51.78	0.5		1.0s	122.36nm		5.8mb	
PLE	0.94	357	iPgc	09 05.44	-0.7							Z	18s	5.84um		5.3Msz	
			iSg	09 20.35													
			S.D. = 0.6	on 9 of 9 obs.		CCM	23.61	2	P	34 51.40	-0.1	PRS	33.95	315	iP	36 24.93	-0.3
												SAO	34.23	316	P	36 40.00	12.4X
SEP 11, 1993 19h 29m 42.74± 0.14s												Z	19s	3.88um		5.1Msz	
14.375 N ± 3.0km 92.312 W ± 2.4km						ALQ	24.12	331	ePc	34 57.97	1.1	SAO	34.23	316	eP	36 27.13	-0.5
DEPTH = 33.0km (normal)													1.1s	50.00nm		5.3mb	
5.6mb (107 obs.) 5.3Msz (48 obs.)						SLM	24.24	4	P	35 10.00	12.4X	CMB	34.25	319	P	36 27.60	-0.3
NEAR COAST OF CHIAPAS, MEXICO (69)													1.0s	55.18nm		5.4mb	
Mw 5.7 (HRV). Ms 5.3 (BRK). Felt						CEH	24.49	27	ePc	35 01.30	1.2	Z	20s	4.91um		5.2Msz	
in the state of Chiapas. Also												TPMT	34.44	335	ePc	36 31.05	1.4
felt (III) at San Salvador, El												LBNH	34.47	26	P	36 29.60	0.0
Salvador.													1.0s	32.94nm		5.2mb	
CENTROID, MOMENT TENSOR (HRV)						TUC	24.55	320	ePc	35 02.74	1.8	ARN	34.61	317	P	36 31.20	0.3
DATA Used: GDSN												MHC	34.68	317	eP	36 31.89	0.3
L.P.B.: 44S, 76C						CAR	25.08	96	eP	35 04.50	-1.6		1.2s	170.00nm		5.8mb	
Centroid Location:						SJG	25.38	78	eP	35 08.06	-0.8	MEMT	34.89	337	eP	36 34.40	1.0
Origin Time 19:29:44.7 0.2												BGMT	35.00	335	ePc	36 35.42	1.0
Lat 14.07N 0.02 Lon 92.73W 0.03						CEN	27.18	26	iPc	35 25.90	0.8	MCMT	35.00	334	iPc	36 36.05	1.6
Dep 18.0 BDY Half-duration 1.7												STAN	35.07	316	eP	36 35.30	0.5
Moment Tensor: Scale 10**17 Nm						MCWV	27.47	21	P	35 40.00	12.2X		1.5s	550.00nm		6.3mb	
Mrr= 3.61 0.08 Mtt=-2.88 0.09												PCC	35.26	316	eP	36 17.87	-18.5X
Mff=-0.73 0.12 Mrt= 1.69 0.28						GLA	27.65	316	ePc	35 29.76	0.1		1.4s	580.00nm			
Mrf=-2.70 0.24 Mtf= 1.25 0.08						GLD	27.70	338	P	35 30.30	0.1	BKS	35.37	317	eP	36 37.84	0.5
Principal Axes:												Z	16s	230.00nm		5.9mb	
T Val= 5.03 Plg=65 Azm= 72														5.00um		5.3Msz	
N -0.61 14 308														eS	42 10.09		
P -4.42 20 213						PV08	28.10	332	ePc	35 35.09	1.1	SXM	35.44	337	ePc	36 38.52	0.4
Best Double Couple: Mo=4.7*10**17						PV10	28.12	331	ePc	35 33.89	-0.1	LRM	35.65	336	iPc	36 40.71	0.8
NP1:Strike=280 Dip=28 Slip= 59						PV09	28.26	331	eP	35 35.90	0.5	HBMT	35.69	335	iPc	36 41.07	0.8
NP2: 135 66 106						PLM	29.21	315	ePc	35 44.04	0.1	ORV	35.85	320	eP	36 41.96	0.5
						SRU	29.40	330	ePc	35 45.72	0.2		1.5s	190.00nm		5.8mb	
						PEC	29.73	315	ePc	35 48.02	-0.3	Z	20s	5.00um		5.3Msz	
														eS	42 26.67		
TPX	0.53	5	iPd	29 59.85	6.1X									eLQ	45 22.67		
TER	1.58	92	eP	30 15.10	6.3X									eLR	47 51.67		
PCG	1.65	89	eP	30 16.70	6.6X	MSU	29.77	328	eP	35 49.25	0.4	BUT	35.85	336	ePc	36 42.50	0.9
GCG	1.74	83	eP	30 18.79	7.6X							ULM	35.90	356	eP	36 43.00	1.4
IXG	1.81	96	eP	30 18.27	6.0X	ARUT	29.92	325	ePc	35 50.97	0.8	ARE	36.90	145	eP	36 39.00	-11.8X

WDC	37.10	321 P	36	49.80	-2.1	1.0s	16.52nm	5.1mb	LBF	83.85	43 iPc	42	09.50	-1.0				
	3.3s	76.62nm			5.0mb X	SDN	65.91	324 P	40	26.10	-1.3			5.3mb				
	Z	19s	4.62um		5.3Msz		1.1s	163.69nm		6.0mb								
LBFM	37.16	322 iPc	36	52.73	0.0	ANM	69.85	334 P	40	51.40	-0.5	NAO	83.85	29 P	42	09.57	-0.6	
LGPM	37.47	321 P	36	53.50	-1.7	DAG	72.34	13 eP	41	06.00	-0.8	PLDF	83.86	44 P	42	09.57	-1.1	
LMQ	37.79	24 eP	36	57.00	-0.6		1.0s	41.00nm		5.4mb		NB2	83.96	28 P	42	10.00	-0.8	
	0.9s	27.00nm			5.1mb	VAL	73.95	40 iP	41	15.30	-1.2		0.9s	23.20nm			5.3mb	
YBH	37.89	322 eP	36	57.16	-1.4	ILT	75.44	337 iPc	41	25.20	0.4	WIT	84.02	37 eP	42	13.50	2.4	
	0.9s	20.00nm			5.0mb		1.0s	350.00nm		6.3mb		ENN	84.12	39 eP	42	11.50	-0.2	
	Z	19s	7.00um		5.5Msz		Z	18s		1.30um			0.9s	67.20nm			5.8mb	
		eS	42	51.52			E	18s		0.80um		ETER	84.22	48 eP	42	11.73	-0.7	
		eLQ	45	28.52					iS	51	06.00		WTS	84.32	38 eP	42	18.00	5.3X
		eLR	48	15.52		STS	75.84	49 eP	41	25.61	-2.0		0.8s	19.70nm			5.3mb	
FOX	37.97	319 iP	37	00.35	1.2	ECB	76.04	39 eP	41	27.60	-0.9	WLF	84.56	40 iPc	42	14.19	0.3	
KMPM	37.99	319 P	37	00.20	0.7	DLF	76.11	38 eP	41	27.60	-1.3		0.8s	26.40nm			5.5mb	
FHC	38.12	320 P	37	01.40	0.9		1.0s	116.00nm		5.8mb		BNS	84.83	39 iPc	42	15.30	0.1	
	1.2s	602.06nm			6.3mb	ECP	76.31	39 eP	41	29.00	-1.0		Z	22s	2.20um		5.5MszX	
EKR	38.16	320 iP	37	01.83	1.1	ETA	76.36	39 eP	41	29.50	-0.8	VITF	84.84	42 P	42	15.40	0.0	
CBM	38.24	27 P	37	10.00	8.7X	EKA	77.84	36 Pc	41	37.50	-0.9	HAU	85.14	42 iPc	42	16.60	-0.3	
	Z	19s	4.11um		5.3Msz		0.9s	88.60nm		5.8mb			0.9s	44.20nm			5.7mb	
VIPM	38.48	327 P	37	03.76	0.1	EVAL	77.91	54 eP	41	38.06	-1.2		Z	22s	1.00um		5.2Msz	
LPZA	38.72	141 iPc	37	06.90	0.5	EPLA	78.05	52 eP	41	38.27	-1.7	HFS	85.42	29 eP	42	18.00	0.0	
LPB	38.92	141 P	37	09.80	1.9	EHOR	79.05	54 eP	41	43.95	-1.5		0.7s	3.40nm			4.7mb	
CROR	38.99	327 P	37	08.13	0.3	EJIF	79.11	55 eP	41	46.13	0.3		Z	21s	1.70um		5.4Msz	
LMN	39.00	31 eP	37	07.50	-0.2	EPRU	79.21	55 P	41	49.93	3.5X			LR	12	59.00		
CNCB	39.21	141 iPc	37	11.60	1.1	EPRU	79.21	55 eP	41	45.61	-0.8	BSF	85.47	42 iPc	42	18.10	-0.6	
VGB	39.25	328 P	37	10.40	0.5	GUD	79.41	51 eP	41	46.54	-1.0		1.0s	24.40nm			5.4mb	
VBEM	39.36	327 P	37	11.14	0.1	PAB	79.45	52 iPc	41	47.30	-0.4	ECH	85.60	41 P	42	19.49	0.3	
NEW	39.53	334 P	37	11.90	-0.3		1.1s	50.63nm		5.4mb		CDF	85.62	41 iPc	42</			

Z	22s	1.50um		5.4Msz	e	49	12.00	GUN	137.93	2	PKP	48	58.00	-9.0X				
OSS	87.99	42 ePc	42	31.50	0.4	e	05	00.00	KKN	138.02	3	PKP	48	54.00	-13.0X			
BOB	88.14	44 P	42	32.81	1.1	CER	115.70	120 ePKP	48	22.00	-1.9	KMI	138.09	339 PKPc	49	06.00	-1.2	
	1.0s	49.30nm		5.8mb			1.0s	120.00nm				Z	24s	2.70um		5.9MszX		
CLL	88.20	37 eP	42	32.00	0.3	SUR	116.97	119 iPKPd	48	27.00	0.4			sPKP	49	17.50		
	1.7s	23.00nm		5.2mb			1.0s	68.00nm						ePP	51	55.00		
		e	43	22.00		BJI	119.73	335 ePKP	48	30.50	-0.8	DMN	138.19	3	PKP	48	57.60	-9.7X
PGF	88.52	46 iPc	42	33.30	-0.4		Z	22s	1.23um		5.5Msz		1.0s	110.00nm				
	0.9s	45.55nm		5.8mb				PP	49	52.00		PPR	140.97	306 ePKPd	49	20.00	7.7X	
WTTA	88.77	41 iPc	42	34.60	-0.2			eSS	06	16.00		TSM	144.79	300 ePKPd	49	17.90	-1.0	
	1.1s	17.40nm		5.3mb		HHC	120.76	339 PKP	48	33.00	-0.4	KKM	145.18	304 ePKPd	49	14.50	-5.2X	
		i	42	41.70			Z	28s	1.48um		5.5MszX	CHTO	145.21	341 iPKPc	49	18.00	-1.5	
WET	88.89	39 eP	42	35.90	0.7		N	17s	0.60um				1.3s	167.48nm				
BRG	88.91	37 eP	42	36.10	0.9	CNB	121.20	237 iPKPd	48	34.10	-0.3	LOE	145.52	336 iPKPc	49	19.00	-1.0	
	Z	20s	1.50um		5.4Msz		1.0s	19.00nm				BDT	146.66	340 ePKP	49	21.00	-0.9	
	N	20s	1.10um			BTO	121.51	340 ePKP	48	35.00	0.2		1.0s	345.00nm				
	E	20s	1.30um			BLF	121.60	115 iPKPd	48	35.80	0.4	HYB	147.15	16 ePKP	49	22.20	-0.5	
CTI	89.19	43 P	42	36.77	0.0		0.8s	93.00nm					1.2s	378.80nm				
	1.1s	19.70nm		5.3mb		GRM	121.79	120 iPKPd	48	37.50	2.0	NWAO	147.41	230 ePKP	49	22.90	0.2	
KHC	89.33	39 P	42	37.50	0.2		0.8s	98.00nm					0.9s	59.00nm				
	1.1s	17.60nm		5.3mb		FRU	121.82	11 ePKP	48	37.00	1.7	MKS	147.43	283 iPKPd	49	24.70	1.5	
	Z	18s	1.70um		5.5Msz	WMQ	122.09	360 PKP	48	35.70	-0.1	NST	147.71	337 ePKP	49	24.50	0.9	
	N	18s	0.30um				Z	24s	1.65um		5.6MszX	MUN	148.61	231 ePKP	49	24.50	-0.2	
	E	18s	1.00um				N	32s	6.38um			MEEK	148.66	242 ePKP	49	27.20	2.2	
		e	43	32.00		KSR	122.22	112 iPKPd	48	35.00	-1.7		0.9s	160.00nm				
		e	44	16.00			1.0s	110.00nm				MBL	148.69	253 ePKP	49	25.00	-0.1	
GEC2	89.51	39 eP	42	37.90	-0.3	LSZ	122.64	99 iPKPd	48	38.80	1.1		0.9s	130.00nm				
	1.1s	13.64nm		5.2mb				i	48	40.20		BAL	148.83	234 iPKPc	49	27.60	2.5	
		e	42	47.60		SEK	122.87	115 iPKPd	48	38.50	0.6		0.9s	185.00nm				
		e	42	54.20			0.9s	75.00nm				KHT	149.09	339 ePKP	49	26.30	0.5	
PRU	89.60	38 iPc	42															

11d 20h

LTX 18.13 327 eP 07 06.77 0.3
 UYO 19.87 356 iPd 07 25.50 -1.2
 MIAR 20.19 358 eP 07 30.92 0.8
 1.0s 30.40nm 4.6mb
 MEO 21.11 346 e(P) 07 31.10 -8.5X
 GBTN 22.60 18 (P) 07 53.93 -0.4
 ALQ 24.06 331 eP 08 10.10 1.3
 0.9s 2.10nm 3.7mb
 PV08 28.04 333 eP 08 46.40 0.3
 YKA 50.62 347 eP 11 51.20 -1.7
 0.7s 3.70nm 4.5mb
 S.D. = 1.1 on 11 of 12 obs.

% SEP 11, 1993 20h 10m 58.40± 1.73s
 38.063 S ±17.6km 175.448 E ±15.2km
 DEPTH = 180.0km (geophysicist)
 NORTH ISLAND, NEW ZEALAND (159)

URZ 1.33 99 eP 11 29.20 0.2
 eS 11 49.40
 PAHZ 1.49 123 eP 11 30.90 0.3
 WAHZ 1.78 157 P 11 34.20 0.7
 TTH 1.83 144 eP 11 34.30 0.4
 TEHZ 2.20 152 P 11 37.80 -0.2
 HBZ 2.31 79 eP 11 38.70 -0.5
 MNG 2.55 179 P 11 42.40 0.3
 eS 12 12.40
 KIW 2.83 188 P 11 45.70 0.3
 CAW 3.06 185 P 11 48.20 0.0
 MTW 3.09 179 P 11 47.70 -0.9
 MRW 3.22 190 P 11 50.20 0.0
 eS 12 27.50
 TCW 3.27 196 P 11 51.40 0.5
 MOW 3.36 183 P 11 50.90 -1.0
 KHZ 4.59 198 P 12 07.60 0.0
 LTZ 5.30 206 eP 12 17.00 0.0
 S.D. = 0.5 on 15 of 15 obs.

? SEP 11, 1993 20h 55m 39.83± 3.49s
 14.220 N ±42.3km 93.037 W ±12.7km
 DEPTH = 33.0km (normal)
 4.1mb (2 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.01 48 iPc 55 58.00 0.2
 iS 56 09.39
 SCX 2.53 9 iP 56 25.50 6.0X
 iS 56 59.50
 OXX 4.55 309 iP 57 01.13 12.7X
 (S) 57 54.82
 LTX 17.97 329 eP 59 49.37 0.4
 UYO 19.90 357 iPd 00 11.30 -0.2
 MIAR 20.24 359 eP 00 14.70 -0.4
 0.6s 3.44nm 3.9mb
 PV10 27.92 332 (P) 01 29.46 0.1
 YKA 50.59 347 eP 04 36.90 -0.3
 0.7s 3.10nm 4.4mb
 INK 59.95 344 eP 05 45.00 0.1
 S.D. = 0.4 on 7 of 9 obs.

? SEP 11, 1993 21h 24m 36.20± 4.77s
 45.143 S ±16.9km 166.776 E ±38.6km
 DEPTH = 10.0km (geophysicist)
 OFF W. COAST OF S. ISLAND, N.Z. (161)
 ML 3.7 (WEL).

MSZ 0.94 61 P 24 54.00 -0.2
 TLC 1.62 93 P 25 05.00 -0.1
 MMCZ 1.67 86 P 25 06.00 0.2
 CMCZ 1.77 91 eP 25 07.40 0.3
 MHZ 1.78 88 P 25 07.60 0.4
 SBCZ 1.80 89 P 25 07.80 0.3
 LRCZ 1.82 88 P 25 08.30 0.3
 LSCZ 1.84 90 eP 25 08.30 0.2
 SZ 1.97 152 eP 25 10.00 0.0
 TUZ 2.17 113 P 25 12.50 -0.3
 BWZ 2.29 76 P 25 14.60 0.0
 ODZ 2.74 89 eP 25 19.80 -1.2
 S.D. = 0.5 on 12 of 12 obs.

? SEP 11, 1993 22h 05m 29.42± 1.40s
 32.662 S ±14.0km 178.403 W ±25.5km
 DEPTH = 33.0km (normal)
 4.4mb (3 obs.)
 SOUTH OF KERMADEC ISLANDS (179)

FUZ 6.05 206 eP 06 57.90 -1.0

URZ 6.68 212 eP 08 10.70
 eS 07 08.80 1.1
 eS 08 26.70
 ASPA 42.70 270 eP 13 25.10 0.0
 0.8s 5.60nm 4.3mb
 WB2 43.88 275 iPc 13 34.10 -0.5
 0.4s 10.40nm 5.0mb
 WRA 43.89 275 P 13 35.00 0.3
 0.9s 2.90nm 4.1mb
 KAF 146.55 339 ePKP 25 05.50 -1.1
 NB2 150.92 350 PKP 25 14.80 1.2
 0.5s 0.80nm
 S.D. = 1.2 on 7 of 7 obs.

SEP 11, 1993 22h 46m 29.63± 0.66s
 32.424 S ± 8.2km 68.475 W ± 9.0km
 DEPTH = 126.8 ± 9.3 km
 MENDOZA PROVINCE, ARGENTINA (139)
 MD 4.3 (SAN).

MDZ 0.56 215 eP 46 49.60 0.6
 i 47 00.40
 RTCV 0.56 355 iPd 46 49.50 0.5
 CFA 0.84 14 iPc 46 51.70 0.6
 ZON 0.89 349 iPc 46 51.90 0.3
 eS 47 06.90
 RTCB 0.97 343 iPc 46 52.30 -0.1
 (S) 47 09.00
 FCH 1.77 239 iP 47 02.15 0.7
 iS 47 27.49
 JACH 1.81 261 iP 47 01.51 -0.1
 iS 47 25.76
 PEL 1.99 248 iP 47 03.85 0.0
 iS 47 29.62
 PCH 2.09 235 iP 47 05.60 0.5
 iS 47 34.35
 SAN 2.11 240 iP 47 05.41 0.2
 iS 47 32.55
 ROCH 2.21 255 iP 47 05.87 -0.8
 iS 47 32.99
 RFA 2.34 180 iPd 47 09.50 1.2
 S 47 38.00
 TACH 2.40 239 iP 47 08.62 -0.4
 iS 47 38.65
 CACH 2.45 226 iP 47 10.67 0.9
 iS 47 42.72
 RTFR 2.70 39 eP 47 11.50 -1.3
 S 47 45.00
 LCCH 2.80 247 iP 47 12.72 -1.5
 iS 47 44.92
 LNV 2.90 237 iP 47 13.51 -1.9
 iS 47 48.27
 TCA 3.48 73 iPc 47 23.20 0.0
 CYA 4.59 31 ePd 47 36.00 -2.2
 CCH 15.12 9 eP 50 01.00 2.9
 CNCB 15.55 2 P 50 04.20 0.5
 LPB 15.83 1 P 50 08.70 1.7
 LPAZ 16.07 1 P 50 10.30 0.1
 SIV 17.69 24 P 50 27.40 -2.1
 S.D. = 1.3 on 24 of 24 obs.

SEP 11, 1993 22h 49m 16.64± 0.41s
 40.140 N ± 4.7km 21.472 E ± 3.4km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 MD 3.2 (ATH). ML 3.0 (THE).

KZN 0.28 54 iPbc 49 23.00 0.4
 FNA 0.65 354 iPg 49 27.97 -1.7
 iSg 49 37.62
 LIT 0.78 93 ePg 49 31.34 -0.5
 iSg 49 42.98
 IGT 1.07 236 iPg 49 36.86 0.1
 eSg 49 52.42
 GRG 1.08 41 ePg 49 38.02 1.0
 iSg 49 51.98
 OHR 1.10 332 iPrn 49 35.70 -1.6
 1.0s 650.00nm
 i 49 51.60
 i 49 52.90
 Lg 49 58.00
 TPE 1.13 278 ePn 49 37.00 -0.8
 SRN 1.16 258 ePn 49 37.70 -0.6
 THE 1.24 66 ePb 49 40.18 0.5
 eSb 49 56.54
 AGG 1.30 149 iPb 49 40.46 -0.2
 eSb 49 58.82

KEK 1.36 252 ePn 49 42.10 0.6
 eSn 50 01.20
 KNT 1.49 46 ePb 49 43.29 -0.2
 eSb 50 03.82
 VLO 1.55 283 ePn 49 40.00 -4.2X
 SOH 1.59 64 ePb 49 45.10 0.2
 iSb 50 05.70
 PAIG 1.71 96 ePb 49 45.90 -0.7
 eSb 50 08.58
 TIR 1.72 315 ePn 49 48.00 1.3
 iSn 50 14.00
 SKO 1.83 359 ePn 49 51.00 2.6X
 i 49 54.00
 SRS 1.89 58 ePb 49 48.86 -0.3
 OUR 1.93 83 ePb 49 49.46 -0.4
 eSb 50 15.50
 LACI 2.01 319 ePn 49 53.00 2.1
 VLS 2.08 200 ePb 49 57.00 5.0X
 ALN 3.57 76 ePn 50 13.66 0.5
 VLI 3.60 161 ePn 50 14.00 0.3
 S.D. = 1.0 on 20 of 23 obs.

? SEP 11, 1993 23h 05m 43.35± 1.51s
 15.034 N ±27.6km 92.921 W ±16.6km
 DEPTH = 33.0km (normal)
 4.4mb (4 obs.)
 MEXICO-GUATEMALA BORDER REGION (62)

TPX 0.65 101 iP 05 57.83 1.7
 iS 06 09.34
 SCX 1.71 9 iPd 06 19.64 8.3X
 iS 06 48.50
 IXG 2.54 109 eP 06 22.05 -1.2
 YUP 3.13 105 eP 06 35.25 3.5X
 OXX 4.18 300 iP 06 45.45 -1.2
 iS 07 25.22
 PPM 6.77 307 iP 07 24.00 0.5
 LTX 17.35 327 eP 09 46.38 1.7
 MIAR 19.44 358 eP 10 09.05 -1.0
 1.1s 26.23nm 4.4mb
 MEO 20.32 346 iPd 10 19.30 -0.1
 ALQ 23.26 331 eP 10 49.60 0.5
 0.9s 4.49nm 4.0mb
 TUC 23.67 320 eP 10 54.38 1.4
 1.0s 14.19nm 4.4mb
 YKA 49.82 347 eP 14 32.70 -2.2
 0.7s 3.20nm 4.5mb
 GBA 149.99 19 PKP 25 31.00 3.2X
 S.D. = 1.6 on 10 of 13 obs.

SEP 11, 1993 23h 29m 03.73± 0.26s
 28.392 S ± 7.1km 176.674 W ± 5.9km
 DEPTH = 38.9km (13 depth phases)
 5.3mb (36 obs.) 5.3Msz (14 obs.)
 KERMADEC ISLANDS REGION (177)

Mw 5.4 (HRV),
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 34S, 53C
 Centroid Location:
 Origin Time 23:29: 7.1 0.5
 Lat 28.06S 0.06 Lon 176.29W 0.05
 Dep 20.7 2.9 Half-duration 1.3
 Moment Tensor; Scale 10**17 Nm
 Mrr= 0.78 0.04 Mtt=-0.04 0.06
 Mff=-0.75 0.05 Mrt= 0.32 0.09
 Mrf= 1.01 0.17 Mtf=-0.24 0.05
 Principal Axes:
 T Val= 1.31 Plg=64 Azm=288
 N 0.03 0 197
 P -1.34 26 107
 Best Double Couple:Mo=1.3*10**17
 NP1:Strike=196 Dip=19 Slip= 89
 NP2: 17 71 90

RAO 1.39 232 iPd 29 29.70 2.8
 iS 29 49.50
 FUZ 10.54 202 eP 31 25.50 -9.9X
 URZ 11.13 206 eP 31 35.30 -8.0X
 MRW 14.62 207 P 32 35.00 5.3X
 S 34 55.00
 THZ 15.82 210 eP 32 39.30 -5.9X
 DZM 16.51 289 iPc 32 57.90 3.7X
 i 37 43.80
 LTZ 16.92 209 eP 32 53.80 -5.3X
 MQZ 17.53 206 eP 32 58.60 -8.0X
 ODZ 19.44 208 eP 33 25.20 -4.6X

MSZ	20.37	213	eP	33	36.00	-3.5X	PET	83.87	345	eP	41	30.00	-0.3	Z	20s	0.60um	5.1Msz			
BRS	26.99	265	iPd	34	45.00	1.1	CMB	84.50	41	eP	41	33.19	-0.7			pP	42	51.00	35km	
	1.0s	20.00nm			4.7mb			1.1s	16.60nm				5.1mb	GTA	102.82	308	ePdiff	42	59.00	0.0X
Z	18s	60.00um			6.2Msz			Z	18s	2.07um			5.6Msz	KSH	120.18	301	ePKP	47	50.50	-1.8
		i		34	56.00	41km	GSC	84.86	45	eP	41	36.60	0.8	BUL	125.91	210	ePKP	48	04.20	0.3
ARMA	27.64	258	eP	34	51.10	1.1		e		41	44.66	25kmX		SVE	131.05	322	ePKP	48	12.00	-0.4
	0.6s	13.00nm			4.8mb		ORV	84.90	40	eP	41	36.05	0.3	Z	20s	0.70um	5.4Msz			
HNR	28.96	306	eP	35	00.00	-1.8	WDC	85.03	38	eP	41	36.96	0.6	N	20s	0.20um				
CNB	29.56	248	iPd	35	09.10	1.9		1.4s	34.11nm			5.3mb		E	20s	0.60um				
	1.1s	35.00nm			5.0mb		Z	18s	0.91um			5.2Msz				e	48	26.80		
CAN	29.86	248	eP	35	10.00	0.2	LGPM	85.10	38	ePc	41	37.70	0.8	KAF	143.02	342	ePKP	48	30.50	-3.9X
		i		35	21.70	44km	QIZ	85.20	294	eP	41	33.20	-4.5X	MOS	143.30	328	ePKP	48	32.00	-3.0
BWA	30.29	250	eP	35	12.10	-1.5	IPM	85.40	278	ePd	41	39.80	0.9			e	48	43.00		
		e		35	24.10	46km	BONR	85.67	42	ePc	41	40.53	0.5			e	51	43.00		
TOO	32.85	244	eP	35	35.20	-0.8	NJ2	85.84	310	Pd	41	42.00	1.4	OBN	144.14	327	iPKPc	48	33.00	-3.5X
	0.9s	71.00nm			5.5mb			0.9s	23.00nm			5.4mb			2.0s	224.00nm	i	48	45.00	
CTA	34.69	275	iPd	35	52.50	0.5	LBFM	85.91	38	eP	41	41.04	0.0			e	55	08.00		
	1.0s	20.00nm			5.0mb		TNP	86.40	43	ePc	41	43.84	0.3	ERE	144.30	300	iPKP+	48	35.00	-2.4
Z	18s	29.21um			6.1Msz			0.9s	9.66nm			5.0mb		PYA	144.72	307	iPKPd	48	46.80	8.9X
		ipP		36	03.00	37km	PEL	86.92	126	iP	41	46.10	0.0			1.1s	110.00nm			
		e		37	20.00			1.2s	250.00nm			6.3mb X		NUR	144.80	342	iPKP	48	35.50	-1.9
		e		38	26.00		TUC	86.95	51	eP	41	47.69	1.5			0.8s	35.30nm			
		e		40	27.00			1.0s	9.21nm			5.0mb		MOL	145.71	357	iPKPc	48	37.52	-1.4
		e		41	36.00		Z	18s	0.62um			5.1Msz		NB2	146.93	353	PKP	48	39.60	-1.4
STK	36.10	254	iPc	36	03.60	-0.3	MDJ	87.64	325	Pc	41	50.00	0.9			0.9s	37.30nm			
	0.9s	21.40nm			5.1mb		WHN	88.08	306	P	41	52.50	1.0	UPP	147.06	347	iPKP	48	41.70	0.6
		i		36	15.40	43km	SNY	89.00	320	iPd	41	56.70	1.1	SOC	147.18	307	ePKP	48	43.00	1.1
		eS		42	15.30			1.4s	67.00nm			5.8mb		NAO	147.18	353	PKP	48	39.20	-2.2
ADE	38.29	249	iPd	36	22.80	0.5	SHW	89.10	34	(P)	41	57.20	1.0	HFS	147.49	350	ePKP	48	42.50	0.6
ASPA	44.42	264	eP	37	09.90	-2.9	CN2	89.26	322	eP	41	57.20	0.4			0.9s	44.20nm			
	1.0s	32.90nm			5.1mb			1.2s	60.00nm			5.8mb		ANN	148.44	311	ePKP	48	47.00	3.2X
Z	20s	5.50um			5.5Msz		MSU	89.76	45	eP	42	00.51	0.9			1.0s	30.00nm	e	52	20.00
		ipP		37	22.70	47km		e		42	07.81	23kmX		KONO	148.46	354	ePKP	48	44.00	0.6
		ePP		38	55.60		GMW	89.78	33	eP	41	59.61	0.4	GAZ	150.32	296	iPKP	48	52.90	5.9X
		eS		43	41.30		SRU	91.15	45	eP	42	06.12	0.2	KVT	150.46	304	iPKP	48	52.50	5.3X
WB2	45.21	269	iPc	37	17.80	-1.4	SLKM	91.19	13	eP	42	05.29	-0.2	SIM	150.52	312	ePKP	48	32.00	-15.1X
	1.0s	43.20nm			5.3mb		ALQ	91.42	51	eP	42	07.42	0.1							
WRA	45.22	269	P	37	18.50	-0.7		1.3s	10.54nm			5.1mb		CSTJ	150.98	284	PKPc	48	56.43	8.1X
	0.9s	15.50nm			4.9mb		Z	18s	0.81um			5.2Msz		MDSJ	151.37	285	PKPc	48	57.52	8.6X
DRV	46.43	202	iP	37	29.10	1.0	CP2	91.52	12	eP	42	05.98	-1.2	JARJ	151.64	286	PKPc	48	58.09	8.8X
FORT	47.71	253	eP	37	36.50	-2.2	CRP	91.53	12	eP	42	05.81	-1.4	BURJ	151.76	286	PKPc	48	58.31	8.8X
HON	52.61	22	P	38	30.00	13.9X	GYA	91.57	299	iPc	42	09.00	0.9	SHMJ	151.80	287	PKPc	48	58.40	9.0X
Z	20s	0.36um			4.4Msz			1.0s	29.00nm			5.6mb		MASJ	151.82	285	PKPd	48	58.39	8.8X
CSY	57.45	207	iPd	38	49.60	-1.1		pP		42	21.00	39km		SALJ	151.86	285	PKPc	48	58.91	9.3X
	0.7s	58.40nm			5.7mb		PV10	91.66	47	eP	42	07.92	-0.5	KAS	152.03	306	iPKPc	48	56.80	7.3X
		i		39	00.50	37km	PTI	92.28	42	(P)	42	12.02	1.0	EKA	152.67	8	PKPd	49	07.70	17.8X
MBL	57.54	262	eP	38	50.00	-1.9	BJI	92.32	315	eP	42	12.00	1.0			0.9s	9.30nm			
NANU	60.78	259	eP	39	11.00	-3.3X		1.0s	22.00nm			5.5mb		OJC	154.86	335	ePKP	49	02.20	9.2X
SPA	61.77	180	iPc	39	20.10	-0.6		SKS		52	42.00		MLR	155.27	320	ePKP	49	11.50	17.6X	
	1.0s	45.00nm			5.6mb		PMR	92.40	13	eP	42	10.14	-0.8	SPC	155.51	333	ePKP	49	02.90	8.7X
GQP	72.34	297	eP	40	26.00	-1.8		1.4s	42.36nm			5.7mb				e	49	23.00		
LEM	74.23	271	iPc	40	38.70	-0.4	Z	18s	0.56um			5.1Msz		KSP	155.53	340	ePKP	49	03.80	9.9X
MAW	74.59	200	P	40	41.50	1.4		92.49	9	eP	42	11.05	-0.4			e	49	18.80		
	0.9s	20.00nm			5.1mb			1.1s	7.91nm			5.1mb		CLL	155.98	345	e(PKP)	49	02.00	7.5X
KAKJ	76.01	325	P	40	48.20	-0.4	KLU	92.97	14	eP	42	13.79	0.1			1.4s	33.00nm	i	49	20.40
CHJJ	76.49	324	P	40	50.90	-0.4	BALM	93.39	16	ePc	42	15.07	-0.6	BRG	156.15	343	ePKP	49	00.50	5.7X
IIDJ	76.62	323	P	40	51.30	-0.8	TIY	93.41	311	eP	42	17.00	0.8	KHC	157.84	342	PKP	49	05.50	8.5X
WKYJ	76.92	321	P	40	53.90	0.0	Z	28s	1.49um			5.3MszX				1.5s	12.40nm			
MAT	77.27	324	iPc	40	54.90	-0.8	XAN	93.83	307	P	42	19.50	1.3			Z	18s	0.50um	5.4Msz	
	1.0s	50.00nm			5.5mb			1.4s	21.00nm			5.4mb				N	18s	0.30um		
		eS		50	49.00		Z	24s	0.72um			5.1MszX				E	18s	0.30um		
NIIJ	77.41	325	P	40	56.00	-0.4		pP		42	30.50	35km					e	49	30.50	
KAGJ	77.49	316	P	40	56.80	-0.2		sP		42	37.00						e	49	42.50	
MTMJ	77.52	324	P	40	56.80	-0.3	BW06	93.89	43	eP	42	18.07	-0.5	GEC2	158.07	341	ePKP	49	05.70	8.3X
OFUJ	77.56	328	P	40	57.50	0.3		1.1s	4.07nm			4.8mb				1.0s	2.26nm	e	49	11.80
TKSJ	77.62	320	P	40	57.50	-0.1	KMI	93.96	296	Pc	42	20.50	1.3				e	49	20.00	
YAMJ	77.62	326	P	40	58.10	0.5		1.4s	70.00nm			5.9mb					e	49	23.00	
TSRJ	77.69	322	P	40	57.80	-0.2		pP		42	31.50	35km					e	49	28.40	
KUMJ	78.47	317	P	41	02.30	0.0		sP		42	38.50						e	49	42.40	
YONJ	78.82	320	P	41	03.90	-0.3	CHTO	94.01	289	eP	42	20.40	1.1				e	49	49.30	
SHNJ	79.42	318	P	41	06.30	-1.1		1.1s	18.85nm			5.4mb		PAB	167.19	28	ePKP	49	07.00	0.6
KUSJ	79.50	332	eP	41	09.70	2.0	FBA	95.67	12	eP	42	24.99	-0.9			S.D. = 1.1	on 104 of 143 obs.			
HOQJ	79.51	331	eP	41	09.30	1.6		1.0s	7.65nm			5.1mb								
MRRJ	80.51	330	eP	41	13.60	0.5	HHC	95.68	314	eP	42	28.00	1.3							
NVL	80.94	183	P	41	15.00	0.0	CD2	96.01	302	iPd	42	30.40	2.1							
		e		51	26.00			1.0s	31.00nm			5.7mb								
ASAJ	81.20	332	eP	41	18.20	1.5	ILT	96.01	359	iPd	42	27.50	0.2							
YSS	83.53	333	iPc	41	29.00	0.4		1.7s	34.00nm			5.6mb								
	0.9s	5.00nm			4.6mb		CNCB	97.73	114	P	42	40.00	2.9X							
		e		41	40.00	35km	LPB	97.78	113	P	42									

12d 00h

	iS	15	18.64		
FCH	1.47 168 iP	15	04.45	0.6	
	iS	15	24.99		
SAN	1.57 180 iP	15	05.39	0.8	
	iS	15	25.28		
RTCB	1.63 76 ePd	15	05.50	0.2	
	S	15	27.00		
PCH	1.74 176 iP	15	07.16	0.5	
	iS	15	30.43		
LCCH	1.77 206 iP	15	06.50	-0.4	
	iS	15	29.27		
TACH	1.78 188 iP	15	07.03	-0.1	
	iS	15	31.04		
RTCV	1.80 90 eP	15	07.30	0.0	
	S	15	31.00		
RTLL	1.94 74 iPc	15	09.00	-0.1	
	S	15	33.50		
RTRS	1.99 31 iPc	15	11.00	1.4	
	S	15	37.00		
CFA	2.07 83 ePc	15	11.00	0.3	
	S	15	36.80		
LVN	2.16 197 iP	15	11.16	-0.6	
	iS	15	38.11		
CACH	2.23 179 iP	15	13.64	0.9	
	iS	15	41.72		
RFA	3.41 148 iPc	15	28.90	0.8	
RTFR	3.89 67 eP	15	33.50	-0.9	
TCA	5.20 86 iP	15	51.10	-1.1	
	(S)	16	46.00		

S.D. = 0.8 on 18 of 18 obs.

? SEP 12, 1993 01h 19m 22.15± 2.74s
 40.304 N ±19.6km 28.101 E ±20.6km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

MFT	0.79 308 ePg	19	38.00	0.4
CTT	0.88 16 iPg	19	39.70	0.7
	eSg	19	50.70	
EZN	1.44 251 ePn	19	48.30	0.0
DMK	1.54 350 ePn	19	48.50	-1.1

S.D. = 1.4 on 4 of 4 obs.

SEP 12, 1993 01h 50m 38.14± 0.66s
 42.996 N ± 7.9km 17.883 E ± 5.8km
 DEPTH = 5.0km (geophysicist)
 ADRIATIC SEA (382)

BRY	0.49 101 iPg	50	47.59	-0.5
	iSg	50	55.78	
HCY	0.71 140 iPg	50	51.54	-0.8
	iSg	51	02.68	
NKY	0.84 102 iPg	50	54.40	-0.5
	iSg	51	07.45	
BDV	1.00 135 iPg	50	57.31	-0.2
	iSg	51	12.96	
HVAR	1.07 280 ePg	50	59.10	0.4
	iSg	51	14.10	
PLE	1.16 73 iPg	50	59.92	-0.4
	iSg	51	17.15	
TTG	1.16 119 iPg	51	00.71	0.4
	iSg	51	18.43	
ULC	1.45 135 iPg	51	04.98	0.0
	iSg	51	27.02	
IVA	1.49 94 iPg	51	06.74	1.1
	iSg	51	28.28	
PVY	1.59 104 iPnd	51	08.43	1.3
	iSn	51	31.83	
GEC2	6.54 335 Pn	52	16.60	-0.8
	Sn	53	28.30	

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

* SEP 12, 1993 02h 11m 11.53± 0.56s
 28.309 S ±12.4km 176.660 W ±11.5km
 DEPTH = 29.7km (3 depth phases)
 4.9mb (10 obs.) 4.9MsZ (1 obs.)
 KERMADEC ISLANDS REGION (177)

RAO	1.45 229 iPd	11	38.00	2.1
	iS	11	58.00	
DZM	16.50 288 iPd	15	08.90	6.4X
BRS	27.01 265 iPd	16	53.00	0.1
	0.9s 8.00nm			4.3mb
ARMA	27.67 258 eP	17	00.40	1.3
CNB	29.60 248 eP	17	17.20	0.8
CAN	29.90 248 eP	17	19.10	0.1

BWA	30.33 250 eP	17	20.60	-2.2
TOO	32.90 244 eP	17	45.20	0.0
	0.8s 32.00nm			5.3mb
CTA	34.70 275 iPd	18	01.00	0.1
STK	36.14 254 iPd	18	13.10	0.0
	1.0s 8.40nm			4.6mb
ASPA	44.44 264 iPc	19	20.10	-1.7
	0.8s 12.80nm			4.8mb
Z	21s 1.60um			4.9MsZ
CSY	57.53 207 ePd	20	58.70	-1.5
	0.8s 24.10nm			5.3mb
SPA	61.85 180 iPc	21	29.30	-0.9
	0.9s 0.91nm			3.9mb
CHJJ	76.43 324 P	22	59.30	-0.7
IIDJ	76.56 323 P	23	00.30	-0.5
WKYJ	76.87 321 eP	23	00.40	-2.1
MAT	77.22 324 eP	23	03.00	-1.4
	0.9s 10.92nm			4.9mb

	eS	33	04.00	
MTMJ	77.46 324 P	23	05.10	-0.7
OFUJ	77.50 328 P	23	05.80	0.0
TKSJ	77.56 320 eP	23	06.30	0.0
YONJ	78.77 320 P	23	12.30	-0.6
TUC	86.89 51 eP	23	56.15	1.3
	1.2s 6.50nm			4.7mb
CN2	89.20 322 eP	24	05.90	0.3
	0.8s 9.00nm			5.1mb
TIA	89.42 312 eP	24	07.30	0.5
MSU	89.69 45 (P)	24	10.13	1.8
SRU	91.08 45 (P)	24	16.13	1.5
GYA	91.54 299 P	24	18.00	1.0
	pP	24	29.00	35km

BJI	92.27 315 eP	24	20.50	0.7
	pP	24	31.50	35km
MCMT	93.13 40 eP	24	24.00	0.0
TIY	93.36 311 eP	24	27.00	2.0
Z	34s 1.20um			5.1MsZ

XAN	93.79 307 P	24	28.60	1.5
	pP	24	35.00	20km
	sP	24	39.00	

KMI	93.94 296 eP	24	30.00	1.9
	sP	24	40.50	
RSSD	97.91 44 eP	24	45.28	-0.5
	1.1s 6.70nm			5.1mb

KAF	142.95 342 ePKP	30	37.50	-5.8X
OBN	144.08 328 iPKPd	30	42.00	-3.4X
	1.2s 44.00nm			

	e	30	52.00	
	e	31	24.00	
NUR	144.73 342 iPKP	30	44.10	-2.3
	0.6s 12.10nm			

NB2	146.85 353 PKP	30	47.90	-2.1
	0.7s 9.20nm			
UPP	146.98 347 iPKP	30	50.20	0.1
HFS	147.41 350 ePKP	30	50.90	0.1
	0.5s 4.60nm			

KAS	151.99 306 ePKP	31	05.50	7.0X
KSP	155.45 340 ePKP	31	15.00	12.1X
	e	31	28.50	
	i	31	40.70	

S.D. = 1.3 on 36 of 41 obs.

SEP 12, 1993 03h 22m 38.50± 0.15s
 13.826 N ± 3.3km 90.429 W ± 3.0km
 DEPTH = 68.2km (85 depth phases)
 5.4mb (80 obs.)

NEAR COAST OF GUATEMALA (71)
 Mw 6.0 (HRV). MD 6.0 (UPA). Ms
 5.2 (BRK). Mo=1.9*10**18 Nm
 (PPT). Two old houses destroyed
 at Mejicanos, El Salvador. Felt
 (IV) at San Salvador, El
 Salvador. Also felt in Chiapas,
 Mexico.

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 58S, **C
 Centroid Location:
 Origin Time 03:22:40.4 0.1
 Lat 13.52N 0.01 Lon 90.93W 0.01
 Dep 56.1 1.5 Half-duration 2.4
 Moment Tensor: Scale 10**17 Nm
 Mrr=-5.57 0.11 Mtt= 3.91 0.17
 Mff= 1.66 0.21 Mrt= 7.96 0.18
 Mrf=-6.00 0.17 Mtf=-1.32 0.14
 Principal Axes:
 T Val= 10.58 Plg=32 Azm= 33

ACO 24.08 343 iPd 27 47.50 -1.2
 CEH 24.22 23 ePd 27 51.54 1.6
 0.6s 249.67nm 5.8mb

SLM 24.71 0 P 28 10.00 15.3X
 Z 21s 11.87um 5.4MsZ
 ALQ 25.52 328 eP 28 02.58 0.0

N 1.17 3 125
 P -11.75 58 220
 Best Double Couple: Mo=1.1*10**18
 NP1: Strike=111 Dip=14 Slip=-104
 NP2: 306 77 -87

IXG	0.35 356 eP	22	52.88	2.7
CUSS	0.48 80 iP	22	56.00	4.8X
PCG	0.59 343 eP	22	55.14	2.6
YUP	0.71 58 eP	23	00.17	6.4X
GCG	0.76 352 ePc	22	58.31	3.9X
YPE	0.78 68 iPc	23	01.10	6.4X
VSS	1.16 94 iPc	23	05.50	6.2X
LFU	1.28 93 iPc	23	07.00	6.1X
MRL	1.42 30 eP	23	09.21	6.3X
TPX	2.07 301 iPc	23	10.25	-1.5
	iS	23	25.20	

VSM	2.13 100 iP	23	18.70	5.9X
SCX	3.59 324 iP	23	35.28	2.3
	iS	24	09.50	
OXK	6.88 299 iPd	24	18.80	-0.3
	(S)	25	33.00	

LVVM	8.23 316 (P)	24	33.00	-4.6X
	(S)	25	59.00	
IIT	9.15 305 iP	24	50.00	-0.6
BRU	9.19 122 ePc	24	57.20	6.0X
	eS	26	42.00	

PPM	9.43 305 eP	24	54.00	-0.6
	iS	26	30.00	
DVD	9.48 124 ePd	24	59.90	5.1X
	eS	26	45.50	

IIA	9.50 305 eP	24	55.70	0.7
	(S)	26	34.50	
ACX	9.59 290 iP	24	54.52	-1.7
	(S)	26	18.50	

III	9.79 299 iP	24	59.16	-0.1
UNM	10.02 304 (P)	25	02.30	-0.1
	(S)	26	29.00	
CRX	10.46 303 (P)	25	10.00	1.6
ECO	11.41 112 iPd	25	26.70	5.7X
	eS	27	32.00	

UPA	11.71 113 iPd	25	29.00	4.0X
	iS	27	38.00	
MRX	11.85 301 (P)	25	27.00	0.3
	(S)	27	07.72	

CGX	13.78 297 (P)	25	54.00	1.6
AGX	13.84 307 (P)	25	55.00	2.0
MZX	17.79 304 (P)	26	43.70	0.6
PSO	18.05 133 eP	26	51.50	4.8X
FUQ	18.42 115 iPc	26	55.50	4.3X
BOG	18.55 118 iPc	26	58.00	5.3X
	iS	30	30.00	

LTX	19.71 324 eP	27	04.81	-0.5
SDV	20.01 102 ePd	27	09.00	0.3
UYO	20.58 350 iPc	27	14.10	0.0
TOV	20.59 99 ePd	27	15.60	1.1
	iPP	27	20.20	

MIAR	20.82 353 ePc	27	16.59	0.0
	1.1s 296.93nm			5.5mb
	ePcP	31	00.87	
	eS	31	08.94	

MORO	21.80 95 iPc	27	27.80	1.2
MYNC	21.91 14 ePd	27	30.04</	

	1.0s	34.59nm	4.8mb		2.1s	1129.82nm	6.4mb			LQ	41	34.30	
		epP	28 20.43	79kmX		epPc	29 28.66	67km		LR	44	28.80	
		i	31 52.05			ePcP	31 51.95		LPB	37.37	143	P	1.2
		S	32 34.74			epPcP	32 11.28			1.1s	81.01nm		5.6mb
TUC	26.17	318 ePd	28 09.81	1.4		eS	34 31.59		Z	24s	8.53um		5.5MszX
	1.0s	151.97nm		5.5mb	ABL	33.36	314 eP	29 11.44 -1.2			S	35 36.00	
	Z	18s	16.55um	5.6Msz			epP	29 29.05 73km			LR	38 24.00	
		epP	28 26.06	70km	RSNY	33.49	21 eP	29 13.22 -0.1		ORV	37.45	319 eP	29 48.46 1.4
		eS	32 56.02			0.9s	224.63nm	6.0mb			2.0s	1330.00nm	6.5mb X
CBN	26.90	23 eP	28 17.00	2.0		Z	21s	17.14um	5.7Msz	Z	21s	4.40um	5.2Msz
		e	28 35.00	78km			epP	29 31.23 75km			epP	30 04.41	63km
GLD	28.92	336 (P)	28 33.42	0.0			eS	34 25.09			eS	35 37.67	
	1.4s	48.31nm		4.9mb	TNP	33.89	320 ePd	29 17.52 0.4			eLQ	38 34.67	
	Z	22s	5.79um	5.1Msz		1.3s	201.13nm	5.9mb		LMQ	37.57	22 eP	29 49.50 1.6
GOL	28.93	336 eP	28 32.76	-0.9			epP	29 33.69 66km			0.6s	30.00nm	5.4mb
	1.3s	44.43nm		4.9mb	HVU	33.94	329 eP	29 18.35 0.9			pP	30 07.00	71km
		ePcP	31 41.38				epP	29 35.13 69km		NTYM	37.57	317 eP	29 48.61 0.6
NNA	28.97	152 iPc	28 33.00	-0.9			e	29 50.56			epP	30 05.36	68km
	1.1s	50.63nm		5.1mb	BCH	34.14	314 ePd	29 19.67 0.5			ePcP	32 24.19	
GLA	29.32	315 ePd	28 36.97	0.0			epP	29 35.97 66km			epPcP	32 24.19	
PV08	29.46	330 ePd	28 38.97	0.5			ePcP	31 54.73		CNCB	37.66	143 iPd	29 50.60 1.0
PV10	29.50	329 ePc	28 37.79	-0.9			epPcP	32 13.28		CBM	37.92	25 eP	29 50.17 -0.7
		epP	28 55.92	78km	LBNH	34.19	24 eP	29 19.57 0.2			1.9s	544.26nm	6.2mb
PV09	29.64	329 eP	28 39.55	-0.5			Z	21s	13.73um	Z	21s	11.81um	5.7Msz
YSNY	30.34	18 eP	28 45.71	-0.2			epP	29 36.51 70km			epP	30 08.03	73km
	1.8s	1904.32nm		6.5mb X			S	34 50.64		MIN	37.97	320 eP	29 51.70 0.2
	Z	22s	24.96um	5.8Msz	MTUM	34.30	318 eP	29 20.99 0.3			2.0s	520.00nm	6.1mb
		e	29 04.12	79kmX			epP	29 37.79 69km			epP	30 08.05	66km
GMTN	30.46	25 iP	29 06.90	20.0X			ePcP	31 53.90		LMN	38.56	29 eP	29 58.00 1.8
PNJ	30.50	25 iP	28 48.79	1.6	BONR	34.49	319 ePd	29 23.66 1.3			pP	30 15.00	69km
PAL	30.68	25 eP+	28 51.08	2.3			epP	29 40.22 68km		WDC	38.69	320 ePd	29 55.60 -1.8
	4.6s	5608.30nm		6.6mb X	PTI	34.57	331 eP	29 23.05 0.2			1.8s	270.87nm	5.9mb
		epP	29 04.29	52kmX			epP	29 39.93 70km		Z	21s	5.47um	5.4Msz
		eSP	29 08.76		MEMM	34.73	318 eP	29 24.33 0.3			epPc	30 11.93	65km
		ePnPn	29 47.91				epP	29 41.30 70km			ePcP	32 06.63	
		ePP	29 55.55				ePcP	31 58.71			epPcP	32 26.36	
		eS	33 47.44		MMPM	34.75	318 eP	29 25.78 1.0			S	35 41.54	
		eSS	36 00.55				epP	29 42.11 67km		LBFM	38.73	321 ePd	29 58.17 0.2
		eScS	39 12.74				eP	29 25.94 0.3			epP	30 14.79	67km
SRU	30.80	329 eP	28 49.82	-0.3			epP	29 42.52 68km		LGPM	39.06	320 eP	29 58.80 -1.8
		e	29 07.01	72km	HHAI	34.91	332 eP	31 57.71		CCH	39.20	142 Pc	30 03.00 0.8
PLM	30.91	314 iPd	28 51.86	0.7			epPcP	32 15.96		YBH	39.45	321 eP	30 02.31 -1.5
		i	29 08.34	69km			iP	29 26.36 -0.5			1.7s	190.00nm	5.7mb
BINY	30.92	21 eP	28 51.10	0.2	PRI	35.04	315 iP	29 26.36 -0.5		Z	21s	8.00um	5.5Msz
	1.1s	315.12nm		6.0mb	ARE	35.44	148 iPd	29 32.50 1.9			epP	30 19.11	67km
	Z	19s	9.00um	5.4Msz		0.5s	24.65nm	5.4mb			eS	36 03.52	
		epP	29 09.29	77km	CMB	35.88	318 eP	29 32.65 -1.2			eLQ	39 20.52	
MSU	31.23	326 eP	28 54.69	0.7		1.6s	340.00nm	6.0mb			eLR	42 01.52	
PEC	31.41	314 ePd	28 55.66	0.3		Z	20s	3.10um	5.1Msz	FOX	39.58	319 iP	30 06.55 1.8
	1.4s	177.73nm		5.6mb			epP	29 48.65 63km		KMPM	39.61	318 ePd	30 05.73 0.6
		epP	29 11.81	67km			eS	35 10.65			epP	30 22.98	70km
		ePcP	31 46.59				esS	35 43.65			ePcP	32 11.98	
		epPcP	32 05.13				eLQ	37 42.65			epPcP	32 30.26	
ARUT	31.43	324 iPd	28 56.93	1.2	SAO	35.90	315 ePd	29 33.40 -0.6		FHC	39.73	319 iP	30 07.64 1.6
		epP	29 12.99	66km		1.8s	621.88nm	6.2mb		EKR	39.77	319 iP	30 07.21 0.9
EMUT	31.48	329 eP	28 56.12	-0.1		Z	20s	6.13um	5.4Msz	VIPM	39.94	326 P	30 07.96 0.0
		epP	29 13.68	74km			epPc	29 50.34 68km		CROR	40.45	326 P	30 12.43 0.4
LSCT	31.52	25 eP	28 56.12	-0.1	ARN	36.27	316 eP	29 37.37 0.2		VGB	40.69	327 eP	30 15.01 1.2
	1.6s	402.97nm		6.0mb			epP	29 54.57 69km			epP	30 32.71	72km
	Z	20s	15.67um	5.7Msz	MHC	36.34	316 eP	29 38.59 0.8		VBEM	40.83	326 P	30 16.49 1.3
		epP	29 13.37	73km		1.7s	850.00nm	6.4mb		WAH2	40.90	329 P	30 16.01 0.5
		eS	33 47.24		ULM	36.59	354 eP	29 55.09 66km		DPW	41.04	331 eP	30 16.72 0.0
SSK	31.95	314 eP	29 00.44	0.1			epP	29 43.00 3.4X			epP	30 34.23	71km
		epP	29 16.66	67km	HMR	36.87	317 (P)	29 41.76 -0.4			P	30 17.67	-0.3
GSC	31.96	317 ePd	29 00.83	0.6			epP	29 58.63 67km		SSOR	41.18	325 P	30 19.86 0.6
		epP	29 17.13	67km			ePd	29 42.20 -0.6		RNO	41.34	323 P	30 19.86 0.6
		ePcP	31 48.79		LRM	36.92	334 ePd	29 42.20 -0.6		SIV	41.47	135 P	30 20.70 0.1
		epPcP	32 06.40		PCC	36.92	316 eP	29 25.02 -17.5X		SAW	41.48	330 P	30 20.63 0.3
DAU	32.16	329 eP	29 02.25	0.1		1.8s	3290.00nm			EBG	41.51	329 P	30 21.19 0.6
		epP	29 18.78	69km			epP	29 41.37 65km		ASR	41.54	327 P	30 22.26 1.4
RSSD	32.36	342 eP	29 03.03	-0.7	BKS	37.02	316 eP	29 47.09 3.7X		JAQ	41.54	13 eP	30 20.00 -0.7
	0.4s	8.86nm		4.9mb		1.6s	600.00nm	6.3mb			pP	30 38.50	76km
	Z	20s	2.49um	4.9Msz		Z	20s	3.80um	5.2Msz	WTV	41.75	330 P	30 23.18 0.6
		eS	34 16.31				epP	30 00.39	50kmX	SHW	41.90	327 eP	30 24.44 0.5
DUG	32.79	327 eP	29 08.25	0.8			eS	35 33.09			epP	30 42.35	73km
	2.0s	220.25nm		5.6mb			esS	36 13.09		LON	42.04	328 eP	30 25.26 0.3
	Z	20s	6.97um	5.4Msz			eScS	39 59.09			epP	30 42.13	67km
		epP	29 24.60	67km			eLR	42 39.09		FMW	42.09	328 P	30 26.40 0.9
HRV	32.91	26 eP	29 08.01	-0.2			Pd	29 46.10 0.6		KMOR	42.23	325 P	30 27.37 0.8
	2.3s	854.15nm		6.2mb	LPZA	37.16	143 P	30 02.80		RMW	42.51	328 eP	30 28.36 -0.4
		epP	29 25.87	75km			PP	31 33.80			epP	30 45.39	68km
		S	34 10.71				i	32 26.90		BMW	42.61	326 eP	30 29.62 0.0
BW06	33.24	334 eP	29 10.31	-1.1			S	35 30.50			epP	30 46.82	69km
	1.2s	18.25nm		4.8mb			i	35 52.20		JCW	43.06	329 P	30 32.11 -1.1
		epP	29 27.63	72km			SS	38 24.50		GMW	43.07	328 eP	30 32.36 -0.9
ISA	33.28	316 ePd	29 12.38	0.7									

12d 03h

				epP	30	49.87	70km	SVW	66.08	331	eP	33	17.99	-2.2		0.8s	34.10nm		5.4mb					
ONR	43.16	327	P	30	35.01	1.0			0.6s	30.29nm				5.4mb			e	35	25.50	88kmX				
YJA	43.33	145	ePd	30	37.20	1.1				epP	33	35.28	64km				e	42	59.50					
MCW	43.83	329	eP	30	39.46	0.0		IMA	66.72	337	(P)	33	22.08	-2.3			TRO	83.70	19	eP	35	20.80	20.0X	
			epP	30	56.08	66km			1.1s	9.43nm				4.7mb			WLP	83.79	40	eP	35	20.00	18.4X	
STW	43.91	328	P	30	41.14	1.1				epP	33	38.97	62km				NRAO	83.81	29	eP	35	04.20	2.7	
HJA	44.22	146	ePd	30	44.80	2.0		TTA	66.74	333	eP	33	22.15	-2.3			NREO	83.81	29	iP	35	05.30	3.8X	
FCC	44.94	357	eP	30	49.50	1.4			1.0s	28.31nm				5.2mb					ePP	38	49.40			
			pP	31	06.50	68km				epP	33	40.06	67km						iS	45	23.00			
SLA	45.39	147	iPd	30	53.40	1.0		SDN	67.41	324	eP	33	26.62	-2.1					iSS	50	56.10			
RTRS	48.18	155	eP	31	15.60	1.6			0.8s	174.47nm				6.1mb					iSSS	54	37.00			
RTPR	49.55	153	e(P)	31	24.00	-0.5				epP	33	44.85	68km				TIC	84.00	85	P	35	02.64	-0.7	
RTL	49.60	155	iPc	31	25.00	0.0		AKU	70.23	25	eP	34	02.20	16.4X				0.8s	28.50nm			5.4mb		
RTCB	49.61	156	ePd	31	25.50	0.4			2.0s	164.71nm							LIC	84.09	85	P	35	03.17	-0.6	
RTCV	50.04	156	eP	31	28.70	0.3		DAG	72.45	13	eP	33	59.50	0.4				0.7s	38.00nm			5.5mb		
PEL	50.37	158	iP	31	30.50	-0.3		ILT	76.65	337	iPc	34	23.00	-0.3			Z	21s	10.00um			6.2Msz		
	1.0s	280.00nm				6.2mb			1.1s	34.00nm				5.2mb			BNS	84.11	39	eP	35	03.20	0.0	
BAO	51.16	123	eP	31	37.30	0.1			Z	22s	4.30um			5.7Msz				Z	21s	3.60um			5.7Msz	
			i	31	55.60	72km			N	24s	1.60um						HAU	84.32	42	eP	35	03.50	-0.9	
TCA	51.30	151	iPd	31	37.10	-0.9		E	24s	3.60um								0.7s	7.05nm			4.8mb		
YKA	51.55	346	eP	31	38.10	-1.3				i	34	40.00	62km				Z	25s	2.72um			5.5MszX		
	0.8s	12.60nm				5.0mb				iS	44	06.00					KIC	84.33	85	eP	35	21.64	16.6X	
PPD	52.36	132	eP	31	45.30	-0.7				iPS	44	40.00						1.0s	55.00nm					
			e	31	46.80	5kmX		Eval	76.75	54	eP	34	39.00	14.5X			KIC	84.33	85	eP	35	04.42	-0.6	
			e	32	03.40			ADK	76.96	321	eP	34	24.07	-1.2				0.8s	53.50nm			5.7mb		
SIT	54.91	332	P	32	10.00	5.7X			0.6s	150.44nm				6.1mb			BSF	84.65	42	eP	35	05.10	-1.0	
	Z	19s	3.61um			5.5Msz				epP	34	42.62	68km					0.7s	3.65nm			4.5mb		
CACB	55.53	129	ePd	32	09.30	-0.1		EPLA	76.96	52	eP	34	22.50	-3.1X			CDF	84.82	42	eP	35	06.20	-0.7	
			i	32	26.70	67km		EKA	77.21	36	Pd	34	26.10	-0.5				0.7s	3.40nm			4.5mb		
			e	34	27.20				0.7s	7.90nm				4.8mb			HFS	85.01	29	ePKP	35	06.80	-0.7	
			iS	39	50.90			EHOR	77.90	54	eP	34	31.00	0.2				0.4s	1.70nm			4.4mb		
BALM	60.06	334	eP	32	39.46	-1.2		EJIF	77.92	55	eP	34	48.50	17.6X			LPL	85.20	44	eP	35	07.40	-1.7	
			epP	32	56.89	66km		EPRU	78.03	55	eP	34	50.00	18.4X				1.1s	9.30nm			4.8mb		
RES	60.90	359	eP	32	45.00	-1.0		GUD	78.34	51	eP	34	32.00	-1.3			LPG	85.22	44	eP	35	08.30	-0.9	
	0.9s	19.00nm				5.2mb		PAB	78.35	52	ePd	34	28.50	-4.8X				1.1s	10.00nm			4.8mb		
INK	61.04	343	eP	32	45.50	-1.5				iS	44	25.00				COP	85.80	34	eP	35	13.00	1.5		
	0.9s	18.00nm				5.2mb		ELUQ	78.71	54	eP	34	50.00	14.7X				i	38	50.00				
			pP	33	03.50	69km		KBS	78.89	11	eP	34	54.00	18.6X				iS	45	40.00				
KLU	61.81	333	eP	32	50.97	-1.5		EBAN	78.99	53	eP	34	32.00	-4.8X			MOX	86.90	39	iPd	35	16.60	-0.5	
			epP	33	08.80	68km		ECRI	79.27	49	eP	34	37.50	-0.7				1.9s	40.00nm			5.2mb		
TOA	62.18	334	eP	32	58.00	3.1X		ECOG	79.30	54	eP	34	38.50	-0.1			Z	21s	1.80um			5.5Msz		
MHA	62.60	286	(P)	32	53.19	-5.0X		EGUA	79.37	55	eP	34	38.00	-0.9				e	45	43.00				
			epP	33	11.85	71km		GRR	79.52	43	eP	34	38.00	-1.4			GRF	86.95	40	ePc	35	17.30	0.0	
PMR	63.26	333	eP	32	59.48	-2.4			1.2s	27.05nm				5.1mb				1.9s	52.00nm			5.4mb		
	1.0s	52.63nm				5.5mb		FLN	79.71	42	eP	34	39.40	-1.0			Z	22s	2.00um			5.5Msz		
	Z	20s	2.19um			5.3Msz			1.5s	53.80nm				5.3mb				e	35	35.00			63km	
			epP	33	17.94	70km		ETOR	79.89	50	eP	34	41.00	-0.7			UPP	86.96	29	eP	35	29.00	11.9X	
RUV	63.28	245	iPc	33	03.00	0.3		EVIA	79.91	53	eP	34	41.50	-0.3				iS	45	50.00				
	1.5s	643.50nm				6.4mb		LDF	79.97	42	eP	34	40.80	-1.0			SDF	87.15	20	eP	35	21.00	3.1X	
SLKM	63.37	331	eP	33	01.30	-1.4			1.2s	14.90nm				4.8mb			CLL	87.52	38	eP	35	19.00	-1.0	
			epP	33	18.81	66km		EHUE	79.98	53	eP	34	42.00	-0.2				1.5s	36.00nm			5.3mb		
TPT	63.41	245	iPc	33	03.90	0.4		ENIJ	80.42	54	eP	34	43.00	-1.5			Z	19s	1.50um			5.4Msz		
	1.5s	374.00nm				6.2mb		EGRA	80.94	49	eP	34	48.00	1.0				e	35	37.00			64km	
VAH	63.52	245	iPc	33	04.50	0.2		EPF	81.26	48	eP	34	48.10	-0.7			WTTA	87.96	42	iP	35	40.70	18.2X	
	1.8s	633.60nm				6.3mb			1.1s	9.50nm				4.6mb				1.0s	18.70nm					
KDC	63.61	328	eP	33	03.01	-1.2		EBR	81.79	50	eP	34	52.00	0.5				i	35	54.10			45kmX	
	0.7s	35.22nm				5.5mb		MAF	82.20	44	eP	34	52.80	-0.8			WET	88.15	40	eP	35	21.90	-1.2	
			epP	33	21.17	69km			1.6s	38.55nm				5.1mb			BRG	88.23	38	eP	35	23.00	-0.4	
PMO	63.66	245	iPc	33	05.50	0.3		BGF	82.32	44	eP	34	52.90	-1.3			KHC	88.59	40	eP	35	25.00	-0.3	
	2.0s	1114.90nm				6.5mb X			1.5s	48.05nm				5.2mb				1.5s	17.50nm			5.1mb		
FBA	64.01	336	eP	33	04.39	-2.4		SMY	82.40	322	eP	34	51.09	-3.3X				Z	22s	2.40um			5.6Msz	
	0.7s	11.24nm				4.9mb			1.1s	147.29nm				5.9mb			N	22s	0.80um					
			epP	33	23.29	72km			Z	19s	1.53um			5.4Msz			E	24s	2.00um					
FBA	64.01	336	eP	33	08.10	1.3					epP	35	10.10	69km				e	35	42.60			62km	
DHH	64.27	287	eP	33	06.57	-2.6		SNF	82.43	40	P	35	12.60	18.0X				e	36	12.40				
			epP	33	24.89	69km		AVF	82.62	44	eP	34	54.80	-0.9				e	45	48.00				
MBC	64.28	353	iPc	33	08.10	-0.3			0.7s	3.00nm				4.4mb X			GEC2	88.76	40	eP	35	24.70	-1.5	
			pP	33	25.00	63km		DBN	82.62	38	eP	35	16.00	20.5X				0.5s	0.71nm			4.2mb X		
			SP	33	37.50				Z	20s	1.50um			5.4Msz					epP	35	41.70		60km	
			PcP	33	46.40					eS	45	20.00						e	35	48.70				
			PP	35	27.30			SSF	82.66	43	eP	34	54.50	-1.4				e	35	55.50				
			PPP	37	03.00				1.3s	11.90nm				4.7mb				e	36	00.20				
			ScP	37	38.00			LOR	82.85	43	eP	34	55.70	-1.2				e	36	03.10				
			PcS	37	50.80				1.0s	10.40nm				4.7mb				e	36	14.30				
			S	41	23.10				Z	28s	4.32um			5.7MszX			GEC2	88.76	40	e(P)	35	32.90	6.7X	
			ScS	43	02.10			SMF	82.98	44	eP	34	56.20	-1.4				0.7s	1.00nm			4.2mb X		
			SS																					

			i	46	23.20			e	46	45.00						PKS	45	13.00		
			PS	47	24.60			ePS	48	58.00						SKS	48	34.00		
			SS	52	07.20		SIM	102.94	37	ePdiff36	28.00	-2.6	NJ2	126.45	329	PKPc	41	35.60	-0.2	
			SKPP	56	21.00			e	46	56.00						sPKP	41	54.00		
KBA	89.12	42	i(P)	35	27.50	-0.5	YSS	103.03	326	(Pd)diff36	31.00	0.0	LZH	128.56	345	PKPc	41	40.00	0.0	
	1.5s	83.00nm			5.8mb			e	47	04.00			Z	25s		3.91um		6.0MszX		
			i	35	45.60	64km		e	59	22.00			N	20s		2.34um				
KAF	89.77	25	eP	35	49.90	19.4X	NVL	107.00	160	ePKP	41	15.00	17.6X	XAN	128.96	339	PKP	41	40.50	-0.1
VOY	89.83	42	e(P)	35	29.50	-1.7	ZAK	114.94	350	ePKP	41	08.70	-4.4X	Z	26s		4.33um		6.0MszX	
			e	36	05.00	138kmX		1.6s	11.00nm					N	22s		5.85um			
TRI	89.86	43	eP	35	28.00	-3.2X	SUR	115.11	119	ePKP	41	15.50	1.1				PP	43	46.00	
			e	39	12.00			0.5s	46.00nm								PKS	45	15.00	
			e	46	20.00		BLF	119.72	116	iPKPc	41	23.70	0.5				SKS	48	44.00	
LJU	90.25	42	e(P)	35	33.00	0.0		0.7s	33.00nm					STK	129.30	240	iPKPd	41	40.90	-0.4
			e	36	09.00	140kmX	GRM	119.94	121	iPKPc	41	24.50	1.2		1.7s		4.20nm			
			e	39	30.00			0.6s	50.00nm								epP	41	58.80	
			eSKSac45	58.00			KSR	120.32	112	iPKPc	41	22.50	-1.9	WHN	129.85	332	PKPc	41	42.50	0.2
			(ScS)	46	15.00			1.0s	50.00nm					Z	24s		2.69um		5.9MszX	
			e	47	42.00		LSZ	120.74	100	iPKPc	41	26.00	0.6	E	22s		3.49um			
			e	52	40.00				i	41	44.00						eSS	01	20.00	
VRAC	90.38	39	eP	35	50.90	17.4X	BJI	120.97	336	PKP	41	24.50	-0.4	QIS	131.88	255	ePKP	41	46.90	0.4
	2.2s	59.40nm					Z	26s	2.64um			5.8MszX	CD2	133.48	343	ePKP	41	50.00	0.7	
TIK	90.75	348	iPd	35	53.00	18.1X	E	20s	1.47um					Z	29s		4.11um		6.0MszX	
	1.0s	38.00nm							eSKKS	49	44.00		N	20s		2.95um				
			e	36	07.00	47kmX			eSS	59	28.00						PKS	45	20.00	
			e	36	17.00		SEK	120.99	115	iPKPc	41	26.00	0.4	NDI	136.08	16	iPKPd	41	54.60	0.4
			ePS	47	36.00			1.0s	60.00nm						0.5s		35.21nm			
VBY	90.91	43	e(P)	35	36.00	-0.1	SLR	121.56	112	iPKPc	41	25.50	-1.2	Gya	136.64	337	PKP	41	55.00	-0.5
ZST	91.11	40	e(P)	35	35.50	-1.4		1.4s	60.00nm					Z	28s		3.39um		5.9MszX	
			i	35	54.00	66km	BUL	121.63	105	iPKPc	41	26.20	-0.8				PP	44	38.00	
PET	91.17	326	eP	35	38.00	0.9		1.1s	28.48nm					LSA	136.70	358	PKPc	41	57.00	1.0
	1.4s	100.00nm			6.0mb				i	41	46.20			Z	50s		4.95um		5.8MszX	
	Z	26s			5.6MszX		HHC	121.91	340	PKP	41	26.80	-0.1	N	21s		1.71um			
			e	35	56.00	64km		Z	28s	2.67um		5.7MszX	WB5	136.80	256	ePKP	41	46.50	-9.4X	
			e	39	20.00			N	21s	1.44um			WB5	136.80	256	iPKP	41	55.30	-0.6	
			e	46	06.00			E	20s	1.28um						ipPKP	42	15.40		
			eS	46	32.00				SKS	48	26.50					ePP	44	34.90		
			eSS	52	36.00		FRU	121.97	13	ePKP	41	27.00	0.1	ASPA	137.05	250	ePKP	41	55.20	-1.1
OJC	91.94	37	eP	35	27.00	-13.7X		Z	20s	2.20um		5.8Msz	BAG	137.09	313	ePKP	42	14.40	17.7X	
SFC	92.62	38	e(P)	35	42.80	-1.4		N	20s	2.00um			GUN	138.36	5	PKP	41	55.60	-3.4X	
			e	36	02.70	71km		E	20s	1.00um				0.6s		36.00nm				
			e	39	45.10				e	41	38.00		KKN	138.42	6	PKP	41	51.40	-7.6X	
UZH	94.09	38	eP	35	51.50	0.9			e	42	58.00		DMN	138.59	6	PKP	41	56.00	-3.3X	
			e	46	15.00		WMQ	122.61	2	PKP	41	28.20	0.1	DAV	138.66	298	ePKP	42	08.00	8.6X
			ePS	48	24.00			Z	32s	6.80um		6.1MszX	KMI	139.21	342	ePKP	42	00.50	0.0	
			eSS	53	16.00			N	19s	2.87um				Z	28s		4.30um		6.0MszX	
LVV	94.57	36	eP	36	11.00	18.2X			PP	43	05.00					PP	44	53.00		
	Z	21s			5.7Msz				SKS	48	26.00					SS	03	03.00		
	N	20s					BTO	122.63	342	ePKP	41	28.00	-0.2	QIZ	141.73	328	ePKP	42	05.40	0.6
	E	19s						N	21s	1.19um						sPKP	42	24.00		
			e	46	23.00			E	21s	1.06um			CHTO	146.28	344	ePKPd	42	12.70	0.1	
			ePS	48	13.00		MAW	123.50	168	iPKPc	41	28.50	-0.4		1.0s		70.00nm			
NRI	96.98	1	eP	36	03.00	-0.4		1.1s	10.70nm				TSM	146.64	301	ePKPc	42	14.40	1.1	
	2.0s	20.00nm			5.3mb			Z	19s	1.80um		5.7Msz	LOE	146.73	338	ePKP	42	14.80	1.5	
	Z	21s			6.7MszX				ipPKP	41	47.30		KKM	147.00	305	ePKPd	42	11.30	-2.7	
	E	21s							ePP	43	15.10		KKM	147.00	305	ePKP	42	29.60	15.6X	
			e	36	21.00	63km			eLR	22	58.90		HYB	147.11	20	ePKP	42	14.00	0.1	
			e	40	05.00				ePKP	41	30.70	0.1		0.6s		56.30nm				
			e	46	40.00		TIA	123.84	333			5.7MszX				e	42	34.00		
			e	47	13.00			Z	25s	2.24um			RKG	147.73	225	ePKP	42	16.00	1.5	
			ePPS	49	32.00				PP	43	21.00		NWAO	148.44	228	ePKP	42	18.50	2.9X	
MLR	97.74	39	eP	36	12.00	4.5X			SKS	48	28.00		NST	148.89	340	ePKP	42	17.50	0.8	
YAK	98.10	342	eP	36	06.00	-2.6	TIY	124.42	338	ePKP	41	31.00	-0.8	MUN	149.66	229	ePKP	42	22.00	4.4X
	Z	22s			5.7Msz			Z	26s	4.52um		6.0MszX	BAL	149.95	232	ePKP	42	22.30	4.3X	
	N	20s						N	28s	5.71um			MEEK	150.00	240	ePKP	42	19.00	0.7	
	E	20s							sPKP	41	51.00		KHT	150.20	342	ePKP	42	23.80	5.0X	
			e	40	06.00		TOO	125.22	234	ePKP	41	33.60	0.3	GBA	150.21	24	PKPd	42	19.00	0.2
			ePd	36	08.50	-0.5		0.6s	10.00nm					0.6s		34.00nm				
OBN	98.16	28	ePd	36	08.50	-0.5	KSH	125.50	13	PKP	41	35.40	1.4	MBL	150.27	252	iPKPd	42	23.30	4.6X
	Z	22s			5.7Msz			Z	30s	4.66um		6.0MszX		0.4s		22.00nm				
	N	22s					CTA	125.63	255	iPKP	41	33.00	-1.6	SNG	156.43	332	ePKP	42	29.80	2.2
	E	22s						1.0s	7.50nm				IPM	158.47	327	ePKPd	42	31.00	0.9	
			e	36	20.00	37kmX			ipPKP	41	53.00					e	43	05.20		
			i	46	40.00		CSY	125.73	190	ePKP	41	32.80	-0.6	LEM	160.94	290	iPKPd	42	33.80	0.9
			eS	47	20.00			1.0s	5.10nm						S.D. = 1.1		on 273 of 343 obs.			
			ePPS	49	48.00				e	41	53.90									
			eSSS	58	04.00		SSE	125.99	326	PKPc	41	35.00	0.1							
MOS	98.21	27	eP	36	27.00	17.8X		Z	20s	1.80um		5.7Msz								
	Z	21s			5.7Msz			N	20s	1.90um										
	N	19s						E	20s	1.00um										
	E	19s							eSKS	48	36.00									
			e	36	49.00	80kmX			SS	00	20.00									
KIS	98.75	37	eP	36	10.00	-1.8	GTA	126.19	350	PKP	41	35.00	-0.3	ROCH	0.72	126	iP	56	36.96	0.0
	Z	20s			5.5Msz			Z	26s	4.96um		6.1MszX				iS	56	46.01		
	N	20s						N	21s	2.03um						iP	56	40.36	0.1	
	E	20s							PP	43	38.00		LCCH	0.93	173	iP	56	51.53		

12d 03h

JACH 0.95 98 iP 56 40.34 -0.4
 PEL 1.05 125 iP 56 41.97 -0.3
 SAN 1.26 136 iP 56 45.02 -0.4
 TACH 1.28 150 iP 56 45.48 -0.2
 FCH 1.42 123 iP 56 47.62 -0.4
 LNV 1.42 170 iP 56 47.42 -0.2
 PCH 1.47 137 iP 56 48.07 -0.3
 CACH 1.82 150 iP 56 54.72 1.2
 ZON 2.76 70 iPd 57 10.50 3.5X
 CFA 3.09 73 iPd 57 14.00 2.4
 RTPR 4.98 65 eP 57 39.00 0.7
 CYA 6.54 53 ePc 57 58.00 -2.5
 S 59 19.00
 CNCB 16.03 13 eP 00 11.00 1.7
 LPB 16.28 12 eP 00 11.00 -1.4
 LPAZ 16.51 12 (P) 00 20.00 4.4X
 S.D. = 1.3 on 15 of 17 obs.

SEP 12, 1993 05h 08m 46.92s
 62.201 N 150.817 W
 DEPTH = 66.5km
 CENTRAL ALASKA (1)
 <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).

CUT 0.33 51 iPd 08 57.44 -0.6
 SKT 0.40 237 iPd 08 57.99 -0.7
 PWA 0.71 141 P 09 01.20 -0.7
 SUA 0.74 177 iPc 09 02.00 -0.4
 HUR 0.95 34 iPd 09 04.14 -0.8
 GH0 0.99 115 iPc 09 04.93 -0.6
 PLRM 1.01 127 eP 09 04.64 -0.9
 PMR 1.01 127 ePc 09 04.03 -1.5
 NCG 1.02 219 eP 09 05.07 -0.8
 CGLM 1.06 213 eP 09 05.54 -0.8
 PMS 1.13 148 P 09 06.60 -0.7
 CRP 1.13 215 iPc 09 06.16 -1.3
 CP2 1.16 216 eP 09 06.78 -1.0
 KKN 1.18 214 eP 09 07.57 -0.3
 SPU 1.18 211 eP 09 07.28 -0.7
 CKT 1.20 214 ePc 09 07.57 -0.7
 BGL 1.20 219 eP 09 07.90 -0.4
 SML 1.24 107 iPc 09 07.99 -0.7
 CKL 1.24 216 eP 09 08.48 -0.3
 TRF 1.28 11 iPd 09 08.43 -0.9
 BKG 1.33 212 iPc 09 09.24 -0.7
 KTH 1.36 358 iPd 09 09.72 -0.6
 RND 1.51 36 eP 09 11.32 -1.1
 PTE 1.59 147 eP 09 12.11 -1.3
 SCM 1.69 101 ePc 09 13.73 -1.1
 SLKM 1.72 170 eP 09 15.02 -0.3
 MCK 1.76 28 eP 09 15.54 -0.3
 CFI 1.78 124 eP 09 14.85 -1.1
 FWL 1.80 137 eP 09 14.71 -1.6
 RDT 1.80 206 eP 09 15.90 -0.5
 DHY 1.82 60 eP 09 15.64 -1.1
 DFR 1.85 210 eP 09 16.36 -0.7
 MPA 1.86 157 eP 09 15.59 -1.5
 NCT 1.93 213 eP 09 17.66 -0.6
 RDW 1.97 210 eP 09 18.53 -0.4
 RED 2.02 209 eP 09 18.81 -0.7
 BWN 2.07 17 eP 09 19.21 -0.9
 TOA 2.18 90 P 09 20.80 -0.9
 SEW 2.21 162 eP 09 22.08 0.2

VZW 2.34 117 eP 09 22.47 -1.3
 ILIM 2.37 207 eP 09 23.40 -0.9
 VLZ 2.39 115 eP 09 22.36 -2.1
 INE 2.41 208 P 09 26.20 1.3
 INW 2.42 209 P 09 25.70 0.7
 KLU 2.43 105 ePc 09 23.02 -2.1
 SDG 2.48 80 eP 09 24.77 -1.0
 NEA 2.51 17 eP 09 24.19 -2.0
 TTA 2.51 289 eP 09 24.36 -2.0
 FID 2.54 123 eP 09 24.08 -2.5
 SVW 2.54 247 eP 09 24.49 -2.2
 HOM 2.58 189 eP 09 29.48 2.3
 LTI 2.60 145 eP 09 24.48 -3.0
 CNPM 2.69 185 eP 09 29.60 0.8
 MTU 2.70 144 eP 09 29.89 1.0
 HIN 2.76 129 eP 09 27.84 -1.9
 CCB 2.80 28 eP 09 28.72 -1.6
 OPT 2.82 206 eP 09 32.02 1.5
 HDA 2.82 37 eP 09 28.96 -1.6
 MLY 2.84 1 eP 09 29.12 -1.8
 CVA 2.95 122 eP 09 31.13 -1.2
 MDM 3.00 22 eP 09 31.35 -1.8
 FBA 3.03 25 iPd 09 31.42 -2.0
 GLM 3.19 27 eP 09 34.00 -1.8
 GLB 3.41 100 eP 09 36.40 -2.5
 ES 10 14.40
 HMT 3.68 118 P 09 43.20 0.6
 TMW 3.77 69 P 09 44.50 0.7
 CRQM 3.96 108 eP 09 44.72 -1.9
 PRP 4.07 33 eP 09 46.66 -1.6
 IMA 4.08 343 (P) 09 46.00 -2.4
 TGL 4.10 107 eP 09 46.57 -2.0
 BALM 4.21 102 eP 09 47.16 -3.0
 WAX 4.22 111 eP 09 47.92 -2.4
 YAH 4.75 109 eP 09 55.46 -2.4
 73 obs. associated

SEP 12, 1993 05h 36m 07.85± 0.85s
 37.557 N ± 7.0km 2.150 W ± 7.3km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)
 mbLg 2.6 (MDD).

EHUE 0.44 306 eP 36 16.10 -0.7
 ENIJ 0.59 184 eP 36 19.18 -0.5
 EALH 0.65 62 eP 36 21.28 0.4
 EVIA 1.12 346 eP 36 28.70 -0.1
 ECOG 1.16 257 eP 36 31.47 1.8
 EGUA 1.34 238 eP 36 31.90 -0.7
 EBAN 1.43 296 iPd 36 33.61 -0.2
 ES 36 52.60
 S.D. = 1.1 on 7 of 7 obs.

SEP 12, 1993 06h 16m 13.06± 0.87s
 7.117 N ± 13.0km 73.387 W ± 18.1km
 DEPTH = 150.0km (geophysicist)
 4.3mb (2 obs.)
 NORTHERN COLOMBIA (99)

FUQ 1.67 192 iPd 16 45.00 -0.2
 BOG 2.57 195 iP 16 56.00 0.2
 SDV 3.24 57 iPnd 17 04.60 0.3
 TOV 4.44 53 ePnd 17 19.60 -0.3
 GOL 43.30 323 eP 24 07.00 5.1X
 1.0s 10.00nm 4.4mb
 YKA 62.90 340 eP 26 25.10 0.0
 0.6s 1.60nm 4.1mb
 WB2 150.23 242 iPKPc 35 46.40 3.2X
 0.4s 4.70nm
 WRA 150.24 242 PKP 35 46.80 3.6X
 0.5s 0.90nm
 S.D. = 0.3 on 5 of 8 obs.

SEP 12, 1993 06h 35m 01.54± 1.09s
 1.293 S ± 31.9km 100.418 E ± 40.0km
 DEPTH = 48.3km (4 depth phases)
 4.8mb (8 obs.)

SOUTHERN SUMATERA, INDONESIA (274)

KSI 3.18 137 ePd 35 52.50 2.2
 e 39 00.00
 LEM 9.04 128 iPc 37 21.50 9.0X
 GUN 32.22 335 P 41 28.40 0.5
 0.6s 27.00nm 5.3mb
 DMN 32.29 334 P 41 29.80 1.4
 KKN 32.37 334 P 41 29.60 0.5
 0.8s 35.00nm 5.2mb
 WRA 38.00 121 P 42 17.10 0.1
 0.6s 6.50nm 4.7mb
 WRA 38.00 121 P 42 32.30 15.3X
 0.7s 10.70nm
 WB2 38.01 121 iPc 42 15.90 -1.1
 0.6s 6.20nm 4.7mb
 ASPA 39.33 127 eP 42 27.90 -0.2
 0.8s 5.80nm 4.5mb
 STK 49.31 132 eP 43 47.50 -0.5
 1.0s 2.40nm 4.2mb
 ipP 44 01.00 50km
 BRS 56.42 122 iPc 44 40.50 -0.4
 i 44 55.00 53km
 YAK 66.95 15 eP 45 51.00 0.0
 1.0s 50.00nm 5.5mb
 GEC2 88.80 319 ePc 47 50.90 -0.9
 0.7s 0.93nm 4.2mb
 UYO 144.46 21 iPKPd 54 33.20 -1.6
 S.D. = 1.2 on 12 of 14 obs.

SEP 12, 1993 07h 29m 54.23± 0.95s
 39.103 N ± 8.1km 27.485 E ± 9.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.73 194 ePg 30 08.60 0.1
 eSg 30 21.10
 DST 1.02 60 iPn 30 13.30 -0.2
 EZN 1.15 309 ePn 30 15.40 -0.3
 KGT 1.35 354 iPn 30 19.60 0.5
 S.D. = 0.7 on 4 of 4 obs.

SEP 12, 1993 07h 33m 15.44± 0.96s
 44.366 N ± 10.2km 7.310 E ± 9.8km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.5 (GEN).

STV 0.12 175 P 33 18.43 -0.1
 S 33 20.51
 ENR 0.16 150 P 33 19.33 0.1
 S 33 21.81
 PZZ 0.20 313 P 33 20.01 0.0
 S 33 22.78
 ROB 0.41 100 P 33 23.77 0.0
 S.D. = 0.2 on 4 of 4 obs.

SEP 12, 1993 07h 34m 17.72± 0.61s
 41.030 N ± 4.7km 20.059 E ± 7.6km
 DEPTH = 10.0km (geophysicist)
 ALBANIA (391)
 ML 2.9 (TIR).

TIR 0.35 335 iPg 34 25.00 0.1
 iSg 34 32.20
 OHR 0.57 81 iPg 34 28.80 -0.4
 0.4s 290.00nm
 LACI 0.66 337 ePg 34 37.00
 iSg 34 31.00 0.2
 iSg 34 40.90
 VLO 0.71 218 ePg 34 31.50 -0.1
 TPE 0.73 183 ePg 34 31.50 -0.6
 LSK 0.97 155 ePn 34 37.20 1.0
 SDA 1.10 338 ePn 34 38.40 0.0
 SKO 1.40 47 ePg 34 45.80 2.5X
 iSg 35 02.80
 S.D. = 0.6 on 7 of 8 obs.

SEP 12, 1993 07h 46m 23.36± 0.74s
 39.146 N ± 5.9km 27.551 E ± 7.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

12d 07h

Izm	0.78	197	ePg	46	38.60	0.0	NOZ	9.79	202	eP	24	50.60	-5.6X	0.8s	40.90nm	5.3mb					
			eSg	46	52.30		URZ	9.81	207	eP	24	50.10	-6.4X	45.11	202	iP	30	51.80	2.5X		
DST	0.95	61	iPn	46	41.40	-0.1				S	26	41.10			S			37	24.00		
EZN	1.17	306	ePn	46	45.00	-0.1	WLZ	10.15	214	eP	25	01.00	-0.2	FORT	46.86	254	eP	31	03.00	-0.6	
BNT	1.24	13	ePn	46	46.10	-0.3	MOZ	11.03	214	eP	25	14.50	1.2		0.4s	19.00nm			5.4mb		
KCT	1.26	29	iPn	46	47.10	0.2	PGZ	12.18	204	eP	25	23.00	-5.8X	SBA	48.87	184	iPc	31	22.50	3.8X	
KGT	1.32	352	iPn	46	47.60	-0.1	MNG	12.47	206	eP	25	23.90	-8.8X	MTN	50.49	278	eP	31	31.00	-0.8	
MFT	1.65	353	ePn	46	53.00	0.4				S	27	41.90		KNA	51.24	273	eP	31	37.00	-0.6	
	S.D. = 0.3	on	7 of 7 obs.				MRW	13.30	207	P	25	41.00	-2.7	HON	53.93	22	P	32	04.30	6.9X	
									S	28	03.00			Z	18s	2.71um			5.3MsZ		
* SEP 12, 1993 08h 03m 36.87± 0.66s							QRZ	13.94	214	eP	25	50.90	-1.2		S			39	41.25		
31.239 N ± 9.9km							THZ	14.50	211	eP	25	53.80	-5.7X	DHH	53.95	23	(P)	31	54.83	-2.7	
DEPTH = 33.0km (normal)									S	28	27.80		KLB	55.20	250	eP	32	05.30	-1.4		
4.4mb (11 obs.)							KHZ	14.77	208	eP	25	53.60	-9.3X	NWAO	55.26	249	eP	32	05.60	-1.6	
XIZANG						(306)			S	28	34.00			Z	22s	4.00um			5.5MsZ		
KKN	3.74	156	P	04	33.60	-0.2	DZM	16.45	293	iPd	26	30.70	5.9X	CSY	56.13	208	iPc	32	12.90	-0.1	
DMN	3.85	160	P	04	35.40	0.0			iS	29	56.10			0.6s	154.00nm				6.2mb		
GUN	3.87	149	P	04	35.40	-0.4	WVZ	16.52	212	eP	26	20.40	-5.0X	GUA	56.30	314	eP	32	12.30	-2.5	
NDI	6.09	247	eP	05	07.80	0.8	PVC	17.69	309	iP	26	46.50	6.3X		1.0s	216.00nm			6.1mb		
	0.6s	13.33nm				4.8mb	BKM	17.79	309	iPd	26	45.50	4.1X	BAL	56.34	251	eP	32	13.00	-2.0	
LSA	6.70	101	P	05	18.20	2.3	RAR	17.87	66	eP	26	32.98	-9.5X	MUN	56.36	249	eP	32	13.00	-2.0	
	1.0s	30.00nm				5.1mb			1.5s	808.18nm			5.6mb						5.9MsZ		
		eS				06	BWZ	18.04	211	eP	26	39.70	-4.7X	GUMO	56.37	314	eP	32	12.10	-3.1X	
KSH	10.29	325	P	06	11.00	5.6X	ODZ	18.12	208	eP	26	43.30	-2.1		1.1s	143.60nm			5.9mb		
	Z	12s	1.23um				MSZ	19.06	214	eP	26	54.70	-2.2			eS			40	02.00	
			eS			08	TUZ	19.28	209	eP	26	57.00	-2.4	MBL	56.85	263	eP	32	17.00	-1.7	
WMQ	12.97	13	P	06	51.10	9.6X	SIZ	20.64	209	eP	27	13.90	0.1	NANU	60.03	260	eP	32	40.10	-0.7	
	1.5s	14.00nm				4.8mb	BRS	26.38	267	iPd-	28	12.50	2.6X	SPA	60.56	180	iPc	32	44.70	0.6	
HYB	14.50	200	eP	06	55.30	-6.4X			0.9s	76.00nm			5.3mb		0.7s	103.13nm			6.1mb		
LZH	17.53	69	eP	07	43.50	3.1X				i	28	18.00			Z	19s	16.94um		6.2MsZ		
	2.0s	40.00nm				4.2mb				ipP	28	24.00	44kmX			i			32	44.90	1kmX
	Z	12s	0.47um			4.6MsZ				esP	28	31.00		DAV	65.88	294	eP	33	17.20	-2.5	
			sP			07				e(PP)	28	52.00		KKM	72.91	287	ePd	33	58.70	-4.3X	
KMI	17.93	105	Pc	07	44.00	-1.6				e	29	40.00		MAW	73.27	200	P	34	05.50	1.4	
	1.8s	50.00nm				4.3mb				i	29	57.50			0.6s	46.51nm			5.7mb		
GBA	18.44	199	P	07	53.00	1.3	ARMA	26.90	260	iPd	28	17.50	2.8X	BAG	75.37	299	ePc	34	16.00	-1.3	
MAIO	20.64	291	eP	08	14.00	-2.3		0.3s	20.00nm				5.2mb	KAKJ	76.71	326	eP	34	24.60	0.4	
GYA	20.75	97	P	08	17.00	-0.4	RIV	27.12	253	eP+	28	20.70	4.1X	CHJJ	77.17	325	P	34	26.60	-0.2	
	1.0s	11.00nm				4.2mb		Z	17s	0.48um			4.1MsZ	IIDJ	77.28	324	eP	34	27.20	-0.3	
XAN	21.49	76	P	08	25.00	0.1				eS	33	31.00		WKYJ	77.54	322	P	34	29.30	0.4	
	0.8s	6.00nm				4.1mb	AFR	27.85	71	iPc	28	18.70	-4.6X	MAT	77.95	325	eP	34	30.00	-1.1	
		pP				29kmX		0.7s	116.00nm				5.7mb		1.0s	35.00nm			5.3mb		
TIY	24.57	67	eP	08	56.00	0.9	PAE	27.95	71	iPc	28	19.80	-4.4X		Z	20s	1.77um		5.4MsZ		
HFS	53.55	324	eP	12	57.70	1.3		0.8s	47.60nm				5.2mb	KAGJ	78.00	316	P	34	31.30	-0.2	
	0.5s	1.60nm				4.3mb	PPT	28.00	71	iPc	28	19.80	-4.9X	NIJ	78.10	326	eP	34	32.10	0.2	
BCAO	66.44	261	iPc	14	26.00	0.5		0.7s	39.00nm				5.2mb	MTMJ	78.19	325	eP	34	32.40	-0.1	
	0.6s	8.00nm				5.0mb		Z	28s	*****um			8.6MsZ	TKSJ	78.21	320	P	34	33.00	0.5	
WRA	70.43	129	P	14	49.20	-0.9	PPN	28.13	71	iPc	28	21.50	-4.4X	OFUJ	78.31	329	P	34	32.70	-0.3	
	0.7s	0.80nm				3.9mb		0.5s	11.70nm				4.8mb	TSRJ	78.33	323	eP	34	33.50	0.4	
WB2	70.44	129	eP	14	48.50	-1.6	TVO	28.16	72	iPc	28	21.30	-4.9X	YAMJ	78.34	327	P	34	34.70	1.5	
	0.7s	3.80nm				4.6mb		0.7s	82.00nm				5.5mb	KUMJ	79.00	317	P	34	36.70	-0.2	
	S.D. = 1.4	on	15 of 19 obs.				CNB	28.63	250	iPc	28	34.70	4.4X	YONJ	79.42	321	P	34	38.70	-0.5	
								1.1s	52.00nm				5.1mb	KSI	79.63	272	ePc	34	40.00	-0.8	
SEP 12, 1993 08h 22m 34.73± 0.16s							CAN	28.93	250	iPd	28	36.30	3.3X			e			36	00.00	347kmX
29.608 S ± 5.0km							BWA	29.39	252	eP	28	37.80	0.6	NVL	79.70	183	iPc	34	40.00	-0.1	
DEPTH = 33.0km (normal)							VAH	30.80	69	iPc	28	45.30	-4.4X		2.0s	112.00nm			5.5mb		
5.6mb (62 obs.)						5.8MsZ (53 obs.)		0.9s	98.60nm				5.6mb			ePcP			34	50.00	
KERMADEC ISLANDS, NEW ZEALAND (178)							TOO	31.85	246	eP	29	01.10	2.2			eP			37	50.00	
Mw 5.9 (HRV). Ms 6.0 (BRK).								0.5s	42.00nm				5.6mb			e			39	35.00	
Mo=1.5*10**18 Nm (PPT).									i		31	59.40				eS			44	38.00	
CENTROID, MOMENT TENSOR (HRV)							CTA	34.30	278	iPc	29	21.00	0.7			ePS			45	06.00	
Data Used: GDSN								1.8s	284.09nm				5.9mb			eSS			49	46.00	
L.P.B.: S2S, **C									ipP		29	33.00	45kmX			eSSS			53	32.00	
Centroid Location:									eP		29	45.50		SHNJ	79.97	319	eP	34	41.90	-0.2	
Origin Time						08:22:38.5			ePP		30	44.00		SNA	80.30	178	eP	34	43.60	0.3	
Lat 29.43S 0.03 Lon 176.79W 0.02									eS		34	56.00			0.9s	53.00nm			5.5mb		
Dep 15.0 FIX Half-duration 1.9									eSS		37	39.00		HOQJ	80.32	331	eP	34	45.30	1.6	
Moment Tensor: Scale 10**17 Nm							CTAO	34.30	278	eP	29	21.57	1.3	KUSJ	80.33	333	eP	34	44.50	0.7	
Mrr= 4.99 0.09 Mtt= 0.20 0.12								2.1s	950.70nm				6.4mb	ADK	81.14	0	eP	34	45.77	-2.0	
Mff=-5.19 0.12 Mrt= 1.34 0.27							STK	35.27	256	iPc	29	29.80	1.3		0.8s	27.16nm			5.3mb		
Mrf= 7.52 0.35 Mtf=-1.61 0.09								1.3s	36.30nm				5.1mb	PAF	81.15	218	eP	34	49.00	0.8	
Principal Axes:									eS		35	06.70		MRRJ	81.29	330	eP	34	50.00	1.2	
T Val= 9.00 Plg=62 Azm=276							ADE	37.36	250	iPd	29	48.40	2.3	ASAJ	82.01	332	eP	34	53.50	0.9	
N 0.60 3 12							QIS	39.89	273	eP	30	08.40	1.1	SMY	82.33	355	eP	34	51.59	-2.4	
P -9.61 28 103							ASPA	43.78	266	iPc	30	39.40	0.2		0.9s	50.42nm			5.6mb		
Best Double Couple:Mo=9.3*10**17								1.1s	71.00nm				5.4mb		Z	19s	9.70um		6.2MsZ		
NP1:Strike=201 Dip=18 Slip= 100								Z	20s	38.60um			6.3MsZ	HKC	83.72	300	P	35	02.30	0.5	
NP2: 11 73 87									ePP		32	33.90		BCH	84.00	44	eP	35	02.06	-1.1	
									eS		36	16.20		SSE	84.06	311	iPc	35	02.00	-1.4	
RAO	0.66	302	iPc	23	51.00	63.4X			eScS		40	37.40			1.0s	11.00nm			5.0mb		
HBZ	8.78	204	eP	24	38.40	-3.9X	WB2	44.69	271	iPc	30	46.20	-0.4		Z	20s	3.20um		5.7MsZ		
KUZ	9.22	218	P	24	52.00	3.6X		0.9s													

12d 08h

SAO	84.27	42 P	35 10.00	5.6X	TUC	88.13	51 eP	35 23.81	0.3	SIT	93.31	21 P	36 00.00	13.1X
Z	18s	7.80um		6.1Msz		2.0s	132.22nm		5.9mb	Z	18s	1.17um		5.4Msz
ABL	84.30	45 eP	35 04.66	-0.2		Z	20s	1.68um	5.4Msz	PMR	93.70	13 eP	35 47.08	-1.5
YSS	84.38	334 iPc+	35 04.50	-0.1	MDJ	88.33	325 Pc	35 24.70	0.6		1.2s	39.87nm		5.7mb
	1.0s	250.00nm		6.3mb		1.4s	150.00nm		6.1mb	Z	19s	2.31um		5.7Msz
Z	19s	3.10um		5.7Msz		Z	23s	3.24um	5.7MszX		e	35 56.08		28kmX
N	19s	2.30um					pP	35 37.00	40kmX	HHAI	93.79	42 eP	35 50.31	0.7
	e	35 15.00		33kmX			SKS	45 47.00		TIY	93.81	312 Pc	35 52.00	2.2
	e	45 27.00			WHN	88.37	307 eP				1.2s	54.00nm		5.9mb
	eS	45 33.00			Z	22s	3.22um		5.7Msz	Z	23s	4.48um		5.9MszX
BKS	84.59	41 eP	35 14.09	8.2X	E	18s	1.92um			E	20s	2.76um		
Z	18s	7.00um		6.1Msz			pP	35 39.50	45kmX		pP	36 04.50		41kmX
	eS	45 39.09					SKS	45 47.00		CHTO	93.91	289 eP	35 52.60	2.1
	eSS	51 12.09					S	46 00.00		KMI	94.03	297 Pc	35 52.00	0.8
	eLQ	57 24.09									2.0s	80.00nm		5.8mb
	eLR	01 12.09			DL2	88.80	317 iPc	35 28.00	1.6		Z	20s	3.20um	5.8Msz
PLM	84.79	47 eP	35 06.61	-0.7		Z	22s	1.23um	5.3Msz		N	20s	2.50um	
GZH	84.79	300 iPc	35 08.50	1.3		N	18s	1.76um		E	20s	1.90um		
Z	23s	1.72um		5.4MszX			pP	35 40.00	39kmX	XAN	94.14	307 P	35 53.00	1.7
PET	84.91	346 eP	35 06.00	-1.1			SKS	45 56.00			1.5s	31.00nm		5.5mb
	1.5s	150.00nm		6.0mb	KDC	89.48	13 eP	35 28.00	-1.2	Z	24s	2.61um		5.6MszX
	e	45 28.00				1.2s	45.05nm		5.6mb	E	22s	2.46um		
	eS	45 36.00			SNY	89.58	320 iPc	35 30.00	-0.1		pP	36 03.00		31kmX
	ePS	46 30.00				1.4s	140.00nm		6.1mb		sP	36 07.00		
	eSS	51 00.00			Z	20s	2.18um		5.6Msz	NEW	94.37	36 P	36 00.00	8.0X
PEC	84.95	46 eP	35 05.55	-2.3		N	20s	1.89um		Z	19s	8.66um		6.2Msz
	1.7s	68.19nm		5.6mb			pP	35 42.00	39kmX	MCMT	94.47	40 eP	35 53.10	0.2
IPM	85.04	278 ePd	35 08.30	-0.4			220.00nm		6.3mb		e	36 06.10		43kmX
	0.4s	29.30nm		5.8mb	CN2	89.89	322 P	35 32.00	0.5	BALM	94.70	16 eP	35 52.72	-0.7
QIZ	85.22	295 Pc	35 10.50	1.0		Z	20s	1.47um	5.4Msz	TOA	94.77	14 eP	35 52.50	-1.1
N	17s	1.91um				N	18s	1.23um		BW06	95.14	43 eP	35 54.78	-1.2
	SKS	45 33.00				E	18s	1.13um			1.1s	6.32nm		5.0mb
ISA	85.30	44 eP	35 09.59	0.0	TIA	89.89	313 P	35 33.40	1.7	GOL	95.97	48 P	36 10.00	10.1X
	1.6s	85.16nm		5.7mb		1.2s	180.00nm		6.2mb	Z	20s	2.11um		5.6Msz
KMPM	85.34	38 eP	35 10.41	0.7		Z	26s	4.43um	5.8MszX	GLD	96.10	48 eP	35 59.36	-1.0
CMB	85.76	42 eP	35 17.64	5.8X		N	21s	2.72um			1.7s	26.27nm		5.4mb
Z	17s	5.00um		6.0MszX			sP	35 43.50		Z	20s	2.80um		5.7Msz
	eS	45 38.64			BMW	90.11	34 P	35 33.13	0.6	HHC	96.14	314 eP	36 00.40	0.0
	eSS	51 28.64			CROR	90.19	36 P	35 32.95	0.0	Z	24s	5.53um		6.0MszX
	eLQ	57 47.64			FL2	90.35	35 P	35 33.97	0.3	N	20s	2.23um		
	eLR	01 39.64			SHW	90.40	35 eP	35 34.36	0.4	E	22s	3.21um		
CMB	85.76	42 eP	35 10.84	-1.0	ERK	90.43	35 P	35 34.73	0.7		SKS	46 32.00		
Z	18s	5.33um		6.0Msz	TDL	90.52	35 P	35 34.41	-0.1	CD2	96.20	302 eP	36 00.30	-0.6
GLA	85.90	48 eP	35 12.67	0.0	VTHM	90.55	36 P	35 34.70	0.2	Z	22s	3.01um		5.7Msz
GSC	86.09	46 eP	35 13.39	-0.2	GL2	90.95	36 P	35 36.87	0.5	N	16s	1.56um		
ORV	86.17	40 eP	35 19.67	5.9X	MSU	90.99	45 eP	35 36.45	-0.5		eP	36 10.00		30kmX
Z	18s	4.40um		5.9Msz	LON	91.00	35 eP	35 35.66	-0.9	FBA	96.96	12 eP	36 01.70	-1.8
	eS	45 50.67			HDW	91.03	33 P	35 37.39	0.7		0.7s	8.45nm		5.4mb
	eSS	51 35.67			GMW	91.08	33 P	35 37.41	0.5	BTO	96.98	313 P	36 05.00	0.8
	eLQ	58 02.67			WPW	91.09	35 P	35 37.37	0.3	N	25s	2.04um		
	eLR	01 48.67			RTPR	91.16	126 e(P)	35 38.00	0.2	E	20s	0.91um		
ORV	86.17	40 eP	35 13.39	-0.4	NST	91.36	287 eP	35 39.50	0.7	ILT	97.21	359 iPd	36 05.00	0.6
NJ2	86.21	310 Pc	35 15.50	1.4	NAC	91.48	35 P	35 38.86	0.1		1.2s	30.00nm		5.7mb
	0.8s	17.00nm		5.3mb	RMW	91.50	34 P	35 38.98	0.1		i	36 14.50		30kmX
Z	18s	1.47um		5.4Msz	DUG	91.63	44 eP	35 39.36	-0.4		iS	46 44.00		
	S	45 43.00				1.3s	9.79nm		5.1mb		iS	47 28.00		
MMPM	86.26	43 eP	35 15.10	0.4	Z	19s	3.77um		5.9Msz		i	54 00.00		
WDC	86.31	39 eP	35 17.21	2.8X	GYA	91.70	299 iPc	35 41.60	1.2	CNCB	97.72	114 P	36 11.00	2.3
	eS	45 56.21				1.2s	36.00nm		5.7mb	LPB	97.78	114 P	36 11.00	2.2
	eSS	51 25.21				Z	28s	1.58um	5.3MszX		LR	08 20.00		
	eLQ	58 00.21					pP	35 50.00	26kmX	LPAZ	97.89	114 P	36 10.60	1.0
	eLR	02 18.21					sP	35 53.00			LR	07 58.00		
WDC	86.31	39 eP	35 11.73	-2.7	EBG	91.73	35 P	35 40.21	0.3	LZH	98.75	306 Pd	36 14.00	1.6
Z	19s	4.90um		5.9Msz	TCA	91.89	128 eP	35 41.60	0.3		1.8s	53.00nm		5.8mb
	e	35 24.27		41kmX	CMW	92.02	33 P	35 42.05	0.7	Z	25s	2.35um		5.6MszX
MEMM	86.35	43 eP	35 14.63	0.0	GBL	92.07	36 P	35 41.80	0.3	E	18s	1.41um		
	e	35 23.76		29kmX	CRZF	92.24	212 eP	35 39.00	-12.5X		pP	36 25.00		35kmX
MTUM	86.36	43 eP	35 15.53	0.5			eS	47 06.00			PP	40 15.00		
LGPM	86.38	38 eP	35 15.00	0.0	SRU	92.37	46 eP	35 42.80	-0.5		SKS	46 52.00		
MRCM	86.61	43 eP	35 16.25	0.0	SLKM	92.49	13 eP	35 42.75	-0.4	CCH	98.86	116 eP	36 15.00	1.4
PEL	86.63	126 iP	35 16.00	-0.4	ALQ	92.59	51 eP	35 42.87	-1.5	RSSD	99.22	44 eP	36 13.40	-1.0
	0.9s	252.10nm		6.4mb		1.4s	29.74nm		5.5mb		0.9s	12.67nm		5.4mb
SNG	86.69	280 eP	35 19.00	2.2		Z	19s	2.02um	5.6Msz	Z	19s	4.35um		6.0Msz
BONR	86.92	43 eP	35 17.34	-0.5	HVU	92.63	43 eP	35 43.77	-0.6	YAK	100.73	337 iPdiff36	20.00	-0.6
	e	35 28.36		35kmX	DAU	92.71	44 eP	35 44.47	-0.5		2.0s	120.00nm		6.1mb
YBH	87.02	38 eP	35 19.52	1.5	BJI	92.80	315 Pc	35 45.00	0.1	Z	18s	2.10um		5.7Msz
Z	17s	2.40um		5.7MszX		1.8s	230.00nm		6.3mb	N	18s	1.30um		
	eS	45 46.52				Z	24s	2.55um	5.6MszX	E	18s	0.80um		
	eSS	51 46.52				N	18s	0.97um		CIT	101.21	324 ePdfff36	20.50	-2.6
	eLQ	58 12.52					eSKS	46 20.00			e	47 04.00		
RFA	87.26	129 ePd	35 19.50	0.0	CP2	92.81	12 eP	35 43.15	-1.7	MIAR	101.46	57 Pdfff36	30.00	5.5X
TNP	87.65	43 eP	35 20.59	-0.7	CRP	92.83	12 eP	35 42.36	-2.5	Z	20s	1.42um		5.5Msz
	1.0s	27.48nm		5.5mb	PV10	92.87	47 eP	35 44.43	-1.3	GTA	103.15	308 ePdfff36	33.00	0.9
					PV09	92.89	47 eP	35 45.75	-0.1		Z	20s	2.59um	5.8Msz
										E	18s	0.81um		

							2.2s 550.00nm			1.3s 154.00nm		
							Z 25s 1.80um 5.7MsZx					
FVM	105.28	55	PKP	41	10.00	14.4X						
SLM	105.69	54	PKP	41	10.00	13.7X	MTA	144.08	301	iPKP	42	06.00
ZAK	105.99	319	ePdiff36	45.00	0.8		ERE	144.43	299	iPKP	42	08.00

12d 08h

LPG	1.2s	13.10nm	42 36.30	0.9	BAL	25.76	204 eP	38 54.00	-0.9	EDC	0.66	355 ePg	04 19.80	-0.2		
	1.2s	13.10nm					eS	43 47.00				eSg	04 29.80			
FIR	164.30	337 ePKP	42 30.00	-5.5X	MUN	27.17	203 eP	39 08.00	0.3	KGT	0.91	328 iPn	04 24.60	0.4		
CAF	164.70	2 ePKP	42 41.80	5.9X			eS	44 19.00		MFT	1.21	336 ePn	04 29.00	-0.4		
	1.5s	29.25nm			STK	27.39	155 iPc	39 08.70	-0.9	S.D. = 0.5 on 5 of 5 obs.						
EPLA	167.32	32 ePKP	42 40.00	1.9		0.5s	14.20nm		4.8mb							
GUD	167.64	25 ePKP	42 39.60	1.1		i		39 13.10		% SEP 12, 1993 11h 12m 36.43± 0.64s						
PAB	168.51	29 iPKPd	42 41.00	2.0	BRS	30.51	134 iPc	39 37.50	-0.1	27.974 S ± 5.4km 26.737 E ± 7.1km						
		ipPKP	42 52.00			0.9s	7.00nm		4.4mb	DEPTH = 5.0km (geophysicist)						
		ePKP	43 48.00		ARMA	31.65	140 eP	39 48.60	1.0	REPUBLIC OF SOUTH AFRICA (584)						
		ePP	46 38.00		TOO	33.91	155 iPd	40 08.20	1.1	ML 2.7 (PRE).						
EBR	168.67	9 ePKP	42 40.00	1.1		0.4s	25.00nm		5.4mb							
EVAL	168.80	42 ePKP	42 41.50	2.4	DZM	39.40	116 iPc	40 52.10	-1.4	SEK	0.86	114 iPd	12 53.50	0.0		
ECHE	169.59	16 ePKP	42 42.70	3.1X	MAT	44.47	11 iP	41 33.70	-0.8		S		13 02.00			
EBAN	169.90	31 ePKP	42 42.00	2.2		0.9s	7.56nm		4.4mb	BFS	1.07	2 eP	12 57.10	-0.1		
EVIA	170.01	24 ePKP	42 42.80	2.8X	GUN	54.01	312 P	42 49.20	1.1		S		13 10.00			
ELUQ	170.16	34 ePKP	42 42.00	2.0	KKN	54.39	312 P	42 51.20	0.5	BLF	1.23	203 eP	12 59.90	0.0		
EJIF	170.32	43 ePKP	42 42.50	2.5X		0.4s	7.00nm		5.0mb		S		13 17.00			
EHUE	170.70	27 ePKP	42 41.80	1.5	DMN	54.42	311 P	42 51.80	0.8	PRY	1.23	32 iPc	13 00.20	0.3		
ECOG	170.72	33 ePKP	42 41.00	0.6	GEC2	111.65	320 ePKP	51 55.30	-0.4		S		13 16.60			
EALH	171.08	22 ePKP	42 43.00	2.6X		0.5s	1.02nm			SWZ	1.48	302 eP	13 03.90	0.0		
ENIJ	171.58	28 ePKP	42 43.00	2.4	BSF	116.36	320 ePKP	52 03.90	-0.9		S		13 23.50			
S.D. = 1.3 on 236 of 327 obs.						0.7s	3.75nm			KSR	2.11	4 eP	13 13.00	0.0		
					LPG	117.15	318 ePKP	52 06.20	-0.4		S		13 39.00			
						0.5s	1.95nm			SLR	2.62	32 eP	13 20.00	-0.3		
					LPL	117.16	318 ePKP	52 06.20	-0.3		S		13 44.50			
						0.4s	2.25nm			S.D. = 0.2 on 7 of 7 obs.						
					LOR	118.42	320 ePKP	52 08.10	-0.5							
						0.5s	1.70nm			% SEP 12, 1993 11h 31m 38.43± 0.50s						
					LBF	118.45	320 ePKP	52 08.30	-0.4	23.593 S ± 13.1km 175.073 W ± 8.8km						
						0.6s	2.45nm			DEPTH = 29.1km (2 depth phases)						
					SSF	118.72	320 ePKP	52 08.90	-0.2	5.1mb (22 obs.) 4.7Msz (1 obs.)						
						0.5s	2.20nm			TONGA ISLANDS REGION (174)						
					AVF	118.92	320 ePKP	52 08.80	-0.7	BKM	16.69	288 iPd	35 33.50	1.7		
						0.5s	1.80nm			DZM	17.11	271 iPd	35 39.10	1.9		
					BGF	119.33	320 ePKP	52 10.30	0.0	ARMA	30.36	250 eP	37 50.40	0.2		
						0.5s	6.10nm			CTA	35.99	268 iPd	38 37.50	-1.5		
					PV10	119.70	50 ePKP	52 11.53	-0.1		1.0s	12.50nm		4.8mb		
					ARE	149.24	140 e(PKP)	53 11.50	5.2X		i		38 48.00	36km		
					PPD	150.92	180 ePKP	53 14.00	5.6X	TOO	36.43	238 eP	38 42.90	0.4		
					CNCB	151.07	146 PKP	53 11.00	1.6		1.0s	31.00nm		5.2mb		
						i		53 17.00		STK	39.03	248 iPc	39 02.20	-2.2		
					LPB	151.23	145 PKP	53 11.00	1.5		2.8s	3.10nm		3.6mb X		
						i		53 17.20		ASPA	46.53	259 iPc	40 04.50	-1.0		
					LPZ	151.40	145 PKP	53 16.90	6.9X		1.2s	13.10nm		4.8mb		
						i		53 26.30			eS		46 54.80			
					CCH	151.58	149 PKP	53 17.40	7.5X	WB2	46.92	264 iPc	40 05.10	-3.4X		
					S.D. = 1.0 on 32 of 36 obs.						0.6s	8.50nm		4.9mb		
					% SEP 12, 1993 09h 51m 07.63± 0.97s					WRA	46.93	264 P	40 03.00	-5.6X		
					39.623 N ± 8.7km 29.435 E ± 8.3km						1.2s	5.00nm		4.4mb		
					DEPTH = 10.0km (geophysicist)					WRA	46.93	264 P	40 09.10	0.5		
					TURKEY (366)						1.1s	4.00nm		4.3mb		
					ML 2.6 (ISK).					WRA	46.93	264 P	40 15.10	6.5X		
					DST	0.62	269 ePg	51 20.00	-0.2		1.4s	3.10nm		4.1mb		
							eSg	51 29.80		WRA	46.93	264 P	40 27.40	18.8X		
					IZI	0.71	2 iPg	51 23.00	1.3		1.4s	2.80nm				
					ALT	0.77	137 ePg	51 23.00	0.3	KNA	53.18	268 eP	40 53.80	-2.7		
							eSg	51 35.00		SPA	66.55	180 iPd	42 29.40	1.6		
					KCT	1.04	307 ePn	51 27.10	-0.2		1.1s	2.38nm		4.2mb		
					EYL	1.09	30 ePn	51 27.10	-1.1	MAT	74.30	322 eP	43 08.00	-6.9X		
					S.D. = 1.2 on 5 of 5 obs.						1.5s	13.89nm		4.8mb		
					% SEP 12, 1993 09h 59m 52.12± 0.94s					KUSJ	75.98	331 eP	43 23.30	-1.1		
					39.667 N ± 9.1km 29.552 E ± 8.2km					HOOJ	76.07	330 eP	43 24.90	0.0		
					DEPTH = 10.0km (geophysicist)					ASAJ	77.72	330 eP	43 34.10	0.1		
					TURKEY (366)					BONR	81.16	42 eP	43 53.70	0.5		
					ML 2.7 (ISK).					NJ2	83.93	309 Pd	44 07.40	0.3		
					DST	0.72	265 ePg	00 05.80	-0.5		1.1s	24.00nm		5.3mb		
							eSg	00 16.80		MDJ	84.60	324 eP	44 10.00	-0.2		
					ALT	0.75	145 ePg	00 07.00	0.1		1.0s	27.00nm		5.4mb		
							eSg	00 19.00		MSU	85.35	44 eP	44 15.37	0.9		
					EYL	1.01	27 ePn	00 11.10	-0.2	RMW	85.41	33 eP	44 14.69	0.3		
					KCT	1.09	303 ePn	00 13.10	0.5	IPM	86.24	277 ePc	44 19.00	-0.1		
					S.D. = 0.8 on 4 of 4 obs.					CN2	86.40	321 eP	44 18.80	-0.4		
					% SEP 12, 1993 11h 04m 06.83± 2.35s						1.0s	25.00nm		5.4mb		
					39.686 N ± 19.1km 27.938 E ± 13.3km					SRU	86.75	45 eP	44 21.76	0.5		
					DEPTH = 10.0km (geophysicist)					TIA	87.35	311 eP	44 22.40	-1.6		
					TURKEY (366)						1.2s	69.00nm		5.8mb		
					ML 2.6 (ISK).					BW06	89.39	42 eP	44 32.50	-1.4		
					DST	0.54	98 ePg	04 17.70	0.0		1.3s	3.28nm		4.5mb		
							eSg	04 26.70		BJI	89.99	314 eP	44 36.00	-0.4		
					KCT	0.65	30 ePn	04 20.00	0.2		2.0s	87.00nm		5.7mb		
					S.D. = 0.8 on 4 of 4 obs.					FBA	90.70	11 eP	44 38.70	-0.5		
					% SEP 12, 1993 11h 04m 06.83± 2.35s						1.3s	7.55nm		4.8mb		
					39.686 N ± 19.1km 27.938 E ± 13.3km					TIY	91.35	311 eP	44 43.00	0.1		
					DEPTH = 10.0km (geophysicist)					Z	28s	0.89um		5.1mszX		
					TURKEY (366)											
					ML 2.6 (ISK).											
					DST	0.54	98 ePg	04 17.70	0.0							
							eSg	04 26.70								
					KCT	0.65	30 ePn	04 20.00	0.2							

12d 11h

SKS 55 16.00
XAN 92.15 306 P 44 47.00 0.4
1.2s 41.00nm 5.7mb
pP 44 54.00 22km
sP 44 58.30
BDT 93.15 287 eP 44 51.20 -0.2
KMI 93.15 296 Pd 44 53.50 1.9
1.5s 90.00nm 6.0mb
HHC 93.44 313 P 44 53.40 0.9
RSSD 93.52 43 eP 44 52.71 -0.2
1.1s 8.49nm 5.1mb
CHTO 93.82 289 iPc 44 55.50 1.0
1.1s 29.15nm 5.6mb
BTO 94.36 312 eP 44 57.00 0.3
LZH 96.79 306 eP 45 08.50 0.5
2.0s 40.00nm 5.6mb
Z 18s 0.24um 4.7MsZ
GTA 101.02 308 ePdiff45 26.70 -0.4
2.0s 13.00nm 5.1mb
KSP 151.40 345 ePKPc 51 30.50 6.1X
VRI 151.63 327 ePKP 51 38.50 13.6X
CLL 151.63 349 iPKPc 51 30.40 5.7X
1.4s 20.00nm
SPC 151.75 339 ePKP 51 31.80 6.6X
BRG 151.88 348 iPKP 51 31.60 6.5X
MLR 152.28 327 ePKP 51 32.50 6.4X
GEC2 153.86 347 ePKP 51 27.30 -0.8
1.0s 1.06nm
e 51 33.20
e 51 45.30
e 51 50.80
BCAO 156.86 217 iPKPd 51 33.80 0.8
0.8s 18.00nm
ic 52 04.20
id 52 18.00
S.D. = 1.1 on 37 of 48 obs.

% SEP 12, 1993 11h 52m 09.91± 0.84s
39.629 N ± 7.9km 29.451 E ± 7.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

DST 0.64 268 ePg 52 21.70 -1.0
eSg 52 32.20
ALT 0.77 138 ePg 52 25.20 0.2
eSg 52 37.00
KCT 1.04 307 ePn 52 30.10 0.5
EYL 1.08 30 iPn 52 30.10 -0.2
HRT 1.20 8 ePn 52 32.00 -0.3
BNT 1.38 302 ePn 52 36.10 0.9
S.D. = 0.9 on 6 of 6 obs.

% SEP 12, 1993 13h 15m 13.49± 0.72s
37.009 N ± 6.3km 3.655 W ± 6.0km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 3.0 (MDD).

EGUA 0.19 158 iPc 15 16.75 -0.9
eS 15 20.30
ECOG 0.28 15 iPd 15 18.16 -1.2
eS 15 22.70
ELUQ 0.74 319 eP 15 27.23 -0.7
eS 15 36.60
EBAN 1.16 355 iPc 15 34.42 -0.7
eS 15 51.20
ENIJ 1.16 91 eP 15 35.40 0.2
eS 15 52.60
EHUE 1.17 46 iPd 15 36.39 1.0
EPRU 1.26 269 eP 15 37.78 0.8
eS 15 53.40
EHOR 1.51 303 eP 15 41.09 0.6
eS 15 58.70
EVIA 1.87 29 eP 15 46.80 1.0
eS 16 09.70
S.D. = 1.0 on 9 of 9 obs.

% SEP 12, 1993 13h 35m 11.94± 1.23s
40.326 N ± 9.7km 27.831 E ± 11.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

EDC 0.03 50 iPg 35 12.80 -1.2
MFT 0.62 318 ePg 35 24.00 -0.5
CTT 0.94 29 iPg 35 30.20 0.4

DST 0.95 139 iPg 35 30.00 0.0
eSg 35 43.50
DMK 1.49 358 ePn 35 39.50 0.7
S.D. = 1.0 on 5 of 5 obs.

? SEP 12, 1993 13h 37m 25.07± 3.93s
31.505 S ± 39.8km 179.868 E ± 27.9km
DEPTH = 384.3 ± 32.7 km
4.1mb (7 obs.)

KERMADEC ISLANDS REGION (177)

KUZ 6.26 212 P 39 00.50 0.0
OUZ 6.42 233 P 39 02.80 0.4
WLZ 7.26 208 P 39 10.20 -1.7
MOZ 8.13 209 eP 39 23.10 1.2
THZ 11.66 207 eP 39 59.40 -4.3X
eS 42 05.10
KHZ 12.01 203 eP 40 01.20 -6.4X
eS 42 12.30
LTZ 12.78 206 eP 40 10.40 -6.2X
BRS 23.92 273 iPd 42 09.00 1.3
1.0s 11.00nm 4.2mb
ARMA 24.22 265 eP 42 12.10 1.6
CTA 32.21 283 iPc 43 21.00 0.2
1.0s 7.50nm 4.0mb
STK 32.46 259 iPd 43 23.90 1.0
0.5s 4.70nm 4.1mb
ASPA 41.24 269 iPd 44 35.00 -0.9
0.9s 5.30nm 3.8mb
WB2 42.32 275 eP 44 43.30 -1.3
0.6s 7.50nm 4.2mb
WRA 42.33 275 P 44 42.00 -2.6
0.7s 2.40nm 3.6mb
SPA 58.67 180 iPc 46 45.40 -0.1
0.9s 49.55nm 4.9mb
KAF 144.94 339 iPKP 56 15.50 -2.1
0.6s 14.20nm
NUR 146.68 338 iPKP 56 21.10 0.7
BCAO 147.86 217 iPKPd 56 26.20 2.4X
0.2s 48.00nm
UPP 149.26 342 iPKP 56 44.10 19.6X
NB2 149.53 349 PKP 56 28.30 3.3X
0.7s 8.40nm
HFS 149.92 346 ePKP 56 27.80 2.3
0.4s 2.10nm
S.D. = 1.6 on 15 of 21 obs.

* SEP 12, 1993 13h 56m 20.15± 1.04s
14.737 N ± 17.4km 92.769 W ± 9.2km
DEPTH = 33.0km (normal)
4.3mb (8 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.2 (GCG).

TPX 0.52 71 iPd 56 35.43 4.4X
(S) 56 44.41
TER 2.07 102 eP 56 53.24 0.0
GCG 2.17 94 eP 56 56.99 2.2
eS 57 29.88
IXG 2.31 104 eP 56 56.71 -0.1
YUP 2.92 100 eP 57 05.91 0.4
OXX 4.46 302 iP 57 28.52 1.0
IIT 6.80 310 (P) 57 59.64 -0.9
PPM 7.07 308 iP 58 06.35 1.9
IIA 7.14 309 (P) 58 06.50 1.5
(S) 59 19.38
III 7.37 300 iP 58 05.74 -2.7
(S) 59 46.87
MRX 9.44 303 (P) 58 43.78 6.8X
LTX 17.67 327 eP 00 27.96 2.4
UYO 19.40 356 iPd 00 46.10 -0.4
MIAR 19.74 358 ePc 00 49.68 -0.4
1.2s 47.14nm 4.7mb
TUL 21.26 353 iP 01 12.80 7.0X
MYNC 21.69 19 (P) 01 10.43 0.2
0.7s 5.23nm 4.1mb
GBTN 22.21 19 (P) 01 14.42 -0.9
ACO 22.60 347 e(P) 01 19.50 0.3
ALQ 23.59 331 eP 01 29.42 0.3
0.8s 4.42nm 4.0mb
TUC 23.99 320 eP 01 34.62 1.7
1.6s 24.22nm 4.5mb
CEH 24.37 28 eP 01 35.54 -0.8
0.4s 5.26nm 4.4mb
PV08 27.57 332 eP 02 06.55 -0.1
PV10 27.59 332 eP 02 07.34 0.7
LRM 35.14 336 eP 03 13.30 0.3

YKA 50.14 347 eP 05 12.30 -1.8
0.5s 1.90nm 4.4mb
INK 59.52 344 eP 06 22.00 -0.3
1.0s 2.00nm 4.2mb
FBA 62.28 337 eP 06 38.35 -2.7
0.8s 1.89nm 4.3mb
BDT 146.17 340 ePKP 15 57.00 -1.5
GBA 150.22 19 PKP 16 10.00 5.1X
S.D. = 1.4 on 25 of 29 obs.

* SEP 12, 1993 14h 09m 03.70± 1.04s
14.166 N ± 14.4km 92.897 W ± 7.3km
DEPTH = 33.0km (normal)
4.3mb (12 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 0.96 40 iPd 09 22.56 1.7
iS 09 35.58
GCG 2.33 79 eP 09 45.12 4.5X
GCG 2.33 79 eP 09 47.57 6.9X
IXG 2.37 90 eP 09 41.54 0.3
SCX 2.57 6 iP 09 46.83 3.0
iS 10 21.99
YUP 3.00 89 eP 09 51.15 0.9
OXX 4.69 309 iP 10 13.38 -0.8
(S) 11 09.02
IIT 7.09 314 iP 10 49.03 1.0
PPM 7.34 312 (P) 10 52.48 0.6
(S) 12 30.98
IIA 7.42 313 (P) 10 53.34 0.9
(S) 12 33.36
III 7.57 304 iPd 10 53.65 -1.2
MRX 9.66 306 iP 11 23.14 -0.4
LTX 18.09 328 eP 13 15.70 1.4
UYO 19.96 356 iPc 13 34.00 -2.0
MIAR 20.30 358 eP 13 37.70 -1.8
0.8s 13.55nm 4.3mb
MEO 21.16 347 iPd 13 47.50 -0.9
TUL 21.81 354 iP 13 55.70 0.8
MYNC 22.27 19 eP 13 56.94 -2.6
1.0s 8.86nm 4.2mb
GBTN 22.79 19 eP 14 03.62 -1.0
ACO 23.12 347 iPd 14 08.80 0.9
ELC 23.26 7 eP 14 08.84 -0.3
ALQ 24.03 332 eP 14 17.82 0.9
1.0s 4.48nm 4.0mb
TUC 24.35 321 (P) 14 23.04 3.1X
0.9s 10.25nm 4.4mb
CEH 24.93 27 eP 14 22.55 -2.8
0.8s 13.18nm 4.6mb
GOL 27.70 339 eP 14 51.05 -0.2
1.0s 10.60nm 4.5mb
PV08 28.02 333 eP 14 55.15 0.9
ARUT 29.77 326 eP 15 10.75 0.9
DAU 30.69 332 eP 15 18.77 0.8
RSSD 31.33 344 eP 15 23.41 -0.1
0.7s 3.34nm 4.3mb
BW06 31.92 336 (P) 15 28.38 -0.4
0.9s 3.21nm 4.2mb
LRM 35.61 336 eP 16 00.90 0.3
YKA 50.67 347 eP 18 00.60 -1.1
0.7s 8.30nm 4.8mb
SOB1 56.57 111 eP 18 46.70 0.7
INK 60.03 344 eP 19 08.50 -0.8
1.0s 3.00nm 4.4mb
NB2 84.41 28 P 21 34.90 0.9
0.8s 4.20nm 4.7mb
GEC2 90.03 39 eP 22 01.00 -0.6
1.0s 0.83nm 3.9mb
e 22 06.40
e 22 11.70
GBA 150.80 20 PKP 28 54.60 5.3X
0.5s 3.00nm
S.D. = 1.3 on 33 of 37 obs.

? SEP 12, 1993 14h 22m 54.98± 0.68s
31.339 S ± 18.6km 68.645 W ± 28.8km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL 0.15 87 ePc 23 09.00 -0.6
S 23 19.00
RTCB 0.20 222 ePd 23 09.50 -0.2
S 23 20.00
ZON 0.21 188 eP 23 10.00 0.3
eS 23 21.00
CFA 0.44 128 ePd 23 11.00 0.4

12d 14h

RTCV 0.53 170 iPd 23 23.20
S 23 11.20 -0.1
S 23 24.30
RTRS 1.36 329 eP 23 20.00 0.2
S 23 39.00
S.D. = 0.5 on 6 of 6 obs.

* SEP 12, 1993 14h 23m 51.52± 0.60s
38.015 S ± 7.6km 176.302 E ± 8.1km
DEPTH = 160.0km (geophysicist)
NORTH ISLAND, NEW ZEALAND (159)

UTU 0.18 208 P 24 13.90 0.8
TAZ 0.27 143 P 24 14.10 0.9
WLZ 0.58 284 P 24 15.10 0.5
S 24 33.30
URZ 0.68 111 P 24 14.60 -0.6
S 24 32.10
PAHZ 1.03 145 P 24 18.80 1.0
MOZ 1.28 247 P 24 21.40 1.4
CNZ 1.32 206 P 24 22.10 1.6
KUZ 1.35 340 P 24 19.30 -1.3
eS 24 41.00
NOZ 1.49 114 P 24 22.40 0.4
PUZ 1.54 93 P 24 21.50 -1.1
S 24 43.90
TTH 1.58 165 P 24 24.20 1.3
HBZ 1.64 76 P 24 22.60 -1.0
WAHZ 1.68 179 P 24 25.20 1.1
MAHZ 1.70 134 P 24 25.10 0.8
TEHZ 2.01 169 P 24 28.50 0.7
BSZ 2.08 211 P 24 29.90 1.4
PGZ 2.60 180 P 24 34.80 0.0
KIW 3.04 200 P 24 39.70 -0.6
MTW 3.20 191 P 24 41.10 -1.2
CAW 3.23 197 P 24 41.80 -0.9
DIW 3.34 213 P 24 43.10 -1.0
BLW 3.41 191 P 24 43.70 -1.3
MOW 3.50 193 P 24 44.60 -1.5
TCW 3.56 205 P 24 45.60 -1.3
ODZ 8.20 209 eP 25 44.80 -3.8X
S.D. = 1.1 on 24 of 25 obs.

* SEP 12, 1993 14h 53m 01.77± 0.93s
39.648 N ± 9.8km 29.492 E ± 8.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

DST 0.67 267 ePg 53 14.00 -1.1
eSg 53 24.50
ALT 0.76 141 ePg 53 17.00 0.3
eSg 53 29.00
EYL 1.05 29 ePn 53 21.10 -0.5
KCT 1.06 305 ePn 53 22.10 0.4
EDC 1.43 300 ePn 53 28.80 1.0
S.D. = 1.2 on 5 of 5 obs.

* SEP 12, 1993 15h 07m 45.10± 1.98s
14.007 N ± 23.6km 93.224 W ± 12.4km
DEPTH = 33.0km (normal)
4.1mb (3 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.5 (GCG).

TPX 1.29 46 iPc 08 05.81 -1.1
(S) 08 27.00
TER 2.48 83 eP 08 23.71 -0.4
PCG 2.57 81 eP 08 25.96 0.4
CGG 2.67 77 eP 08 27.84 0.9
IXG 2.69 86 eP 08 27.03 -0.2
eS 09 04.91
SCX 2.77 12 iPd 08 29.82 1.7
iS 08 58.97
YUP 3.33 86 eP 08 36.59 0.4
OXX 4.55 313 iPc 08 56.85 3.2X
(S) 09 54.02
PPM 7.22 315 (P) 09 36.86 5.3X
III 7.41 307 iP 09 39.42 5.5X
LTX 18.06 329 eP 11 56.40 1.1
MIAR 20.45 359 (P) 12 19.83 -2.7
1.1s 9.90nm 4.1mb
pP 12 23.91 15kmX
ALQ 24.02 332 eP 12 59.00 0.8
1.0s 2.63nm 3.7mb
LRM 35.63 337 eP 14 42.50 0.4
YKA 50.75 347 eP 16 42.50 -1.2

0.6s 2.90nm 4.4mb
GBA 151.05 19 PKP 27 38.00 6.9X
S.D. = 1.3 on 12 of 16 obs.

* SEP 12, 1993 15h 27m 20.66± 0.87s
14.156 N ± 13.0km 92.954 W ± 6.6km
DEPTH = 33.0km (normal)
4.6mb (16 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.9 (GCG).

TPX 1.00 42 iPd 27 39.99 1.6
iS 27 55.13
TER 2.21 86 eP 27 57.65 1.9
GCG 2.39 79 eP 28 00.75 2.3
GCG 2.39 79 eP 28 01.26 2.8X
IXG 2.42 89 eP 27 59.53 0.5
eS 28 33.27
SCX 2.58 7 iP 28 03.70 2.7
iS 28 34.50
YUP 3.06 89 eP 28 08.81 0.8
OXX 4.65 309 iP 28 31.45 0.8
iS 29 32.71
LVVM 6.48 329 (P) 28 51.50 -4.7X
IIT 7.05 314 (P) 28 51.37 -13.2X
ACX 7.18 293 (P) 29 42.87 36.8X
PPM 7.31 313 iP 29 10.16 1.8
iS 30 40.96
IIA 7.38 313 iP 29 11.15 2.3
(S) 30 25.04
III 7.53 305 eP 29 10.29 -0.9
MRX 9.62 306 (P) 29 41.20 1.3
LTX 18.07 328 eP 31 31.92 1.0
UYO 19.97 356 iPc 31 50.30 -2.8
MIAR 20.31 359 eP 31 53.69 -2.9
1.2s 89.00nm 5.0mb
MEO 21.16 347 iPd 32 04.70 -0.7
TUL 21.81 354 iP 32 12.30 0.4
MYNC 22.30 19 eP 32 15.98 -0.8
1.3s 40.29nm 4.7mb
GBTN 22.82 19 eP 32 21.32 -0.5
ACO 23.12 347 iPc 32 24.50 -0.3
ELC 23.27 8 eP 32 25.56 -0.7
e 32 33.93
FVM 23.84 5 (P) 32 30.68 -1.1
0.6s 6.59nm 4.3mb
ALQ 24.02 332 eP 32 33.42 -0.3
1.0s 15.91nm 4.5mb
TUC 24.33 321 eP 32 38.48 1.9
1.4s 28.87nm 4.6mb
CEH 24.97 27 eP 32 40.48 -2.1
0.8s 15.45nm 4.7mb
GOL 27.69 339 eP 33 07.53 -0.5
1.1s 24.59nm 4.8mb
PV08 28.01 333 eP 33 11.77 0.7
PV10 28.02 332 eP 33 10.72 -0.3
PV09 28.16 332 eP 33 12.75 0.4
MSU 29.63 329 (P) 33 25.81 0.3
ARUT 29.75 326 eP 33 27.15 0.6
EMUT 29.99 332 eP 33 28.83 0.1
RSSD 31.33 345 eP 33 39.69 -0.8
0.8s 5.73nm 4.5mb
BW06 31.91 337 eP 33 44.82 -0.8
1.3s 6.66nm 4.4mb
TNP 32.10 322 (P) 33 48.36 1.1
0.9s 4.78nm 4.4mb
BONR 32.67 321 eP 33 53.07 0.7
HHAI 33.49 334 (P) 33 59.62 0.4
LRM 35.59 336 ePc 34 17.50 0.1
LON 40.48 329 eP 34 58.35 0.4
YKA 50.67 347 eP 36 17.50 -1.1
0.7s 14.70nm 5.1mb
SOB1 56.62 111 eP 37 02.40 -0.9
INK 60.03 344 eP 37 26.00 -0.3
0.7s 3.00nm 4.5mb
FBA 62.74 337 eP 37 41.79 -2.8
0.7s 3.76nm 4.6mb
EKA 78.38 36 Pc 39 17.50 -1.8
0.7s 3.60nm 4.5mb
NB2 84.45 28 P 39 52.20 1.1
1.0s 5.50nm 4.7mb
HFS 85.91 29 eP 39 57.00 -1.4
0.6s 1.10nm 4.3mb
CHTO 145.20 340 ePKP 46 56.00 -1.4
BDT 146.64 339 ePKP 47 00.00 0.2
GBA 150.82 19 PKP 47 11.70 5.4X
0.6s 4.00nm

S.D. = 1.4 on 47 of 52 obs.

? SEP 12, 1993 15h 51m 32.20±24.59s
20.187 N ± 194.km 96.533 W ± 110.km
DEPTH = 33.0km (normal)
VERACRUZ, MEXICO (525)
Felt in the state of Veracruz.

LVVM 0.45 170 iP 51 41.50 -0.6
iS 51 48.00
IIT 2.04 236 iP 52 04.21 -0.9
iS 52 29.48
IIA 2.25 243 iP 52 08.80 0.9
PPM 2.27 241 iP 52 08.29 -0.3
iS 52 33.58
OXX 3.09 183 iP 52 20.96 0.9
III 3.31 237 (P) 52 25.50 2.4X
(S) 54 20.00
S.D. = 1.2 on 5 of 6 obs.

& SEP 12, 1993 16h 05m 42.95s
60.346 N 151.861 W
DEPTH = 65.8km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 3.5 (AEIC), 3.5
(PMR).

RDT 0.35 310 iPd 05 53.62 -0.7
eS 06 02.80
REF 0.44 289 iPd 05 54.57 -0.7
eS 06 04.55
RED 0.46 280 iPd 05 54.59 -0.7
eS 06 04.45
DFR 0.48 301 iPd 05 54.71 -0.8
RDW 0.49 287 iPd 05 55.04 -0.7
NCT 0.57 293 iPd 05 55.65 -0.8
eS 06 06.45
ILIM 0.61 245 iPd 05 56.10 -0.7
eS 06 07.48
INE 0.66 245 ePd 05 56.61 -0.9
eS 06 08.05
INW 0.69 247 iPd 05 57.00 -0.8
HOM 0.70 171 iPd 05 57.68 0.0
BKG 0.75 345 iPd 05 57.53 -1.0
eS 06 09.68
BRLK 0.76 140 eP 05 58.05 -0.5
eS 06 10.08
SLKM 0.83 78 iPc 05 58.16 -1.2
eS 06 10.94
SPU 0.84 354 iPd 05 58.58 -1.0
eS 06 11.50
CKT 0.87 349 iPd 05 59.11 -0.9
CNPM 0.88 159 iPd 05 59.50 -0.5
eS 06 12.56
CKL 0.89 345 eP 05 59.35 -0.8
CKN 0.90 350 eP 05 59.65 -0.6
XLV 0.90 175 iPd 05 59.47 -0.7
eS 06 12.73
CRP 0.94 351 eP 05 59.12 -1.7
CP2 0.94 349 eP 05 59.43 -1.5
BGL 0.96 344 iPd 06 00.18 -0.9
CGLM 0.97 356 iPd 06 00.37 -0.8
OPT 0.98 225 iPc 06 00.71 -0.5
eS 06 14.30
NCG 1.07 352 iPd 06 01.77 -0.8
eS 06 17.37
SEW 1.23 100 iPc 06 02.92 -1.5
SUA 1.25 25 ePc 06 04.01 -0.9
eS 06 21.42
AUE 1.25 218 eP 06 03.90 -0.9
AUL 1.25 220 eP 06 04.21 -0.6
AUP 1.26 219 iPc 06 04.13 -0.9
eS 06 23.18
AGU 1.27 219 eP 06 04.44 -0.7
AUH 1.27 220 eP 06 04.42 -0.7
AUW 1.27 220 eP 06 04.39 -0.7
AUI 1.29 219 eP 06 04.60 -0.7
eS 06 21.34
PDB 1.30 245 ePc 06 03.94 -1.5
eS 06 21.01
PMS 1.44 50 P 06 06.40 -1.1
PWA 1.63 36 P 06 08.80 -1.1
SKT 1.65 5 iPd 06 09.06 -1.2
eS 06 30.07
CDD 1.68 213 eP 06 09.86 -0.9
SYI 1.76 189 eP 06 11.00 -0.8
PWL 1.81 72 iPc 06 10.40 -2.1

12d 16h

PLRM 1.83 46 eS 06 32.58
PMR 1.83 46 eP 06 10.84 -1.8
SVW 2.00 294 eP 06 08.37 -4.3
GHO 2.02 44 eP 06 12.34 -2.8
LTI 2.02 97 ePc 06 14.17 -1.3
MTU 2.13 98 eP 06 12.77 -2.7
CFI 2.18 66 iPc 06 14.59 -2.4
CUT 2.20 20 ePd 06 14.91 -2.6
SML 2.26 48 eP 06 16.60 -1.3
KDC 2.26 48 eP 06 16.63 -2.1
SCM 2.63 187 ePc 06 21.17 -2.6
FID 2.66 54 eP 06 22.28 -2.1
VZW 2.69 79 eP 06 20.60 -4.1
VLZ 2.71 72 iPc 06 21.71 -3.3
VLZ 2.83 71 eP 06 23.52 -3.1

HUR 2.85 21 P 06 55.61
MID 2.93 106 P 06 26.70 -0.3
CVA 3.04 84 eP 06 26.71 -2.8
KLU 3.12 66 iPc 06 27.92 -3.0
TRF 3.20 13 eP 06 29.58 -2.6
KTH 3.25 7 eP 06 31.28 -1.4
TTA 3.26 324 eP 06 30.24 -2.6
TOA 3.27 55 P 06 31.00 -1.9
RND 3.39 24 eP 06 32.73 -1.8
DHY 3.47 36 eP 06 33.78 -2.1
SDG 3.74 51 eP 06 37.53 -2.0
GLB 4.08 71 iPc 06 40.60 -3.8
CRQM 4.33 81 eP 06 45.49 -2.4
NEA 4.44 16 eP 06 47.06 -2.3
WAX 4.47 85 eP 06 46.99 -2.8
TGL 4.48 81 eP 06 47.66 -2.3
HDA 4.67 27 eP 06 50.17 -2.4
CCB 4.71 22 iPd 06 50.46 -2.6
BALM 4.73 77 eP 06 49.13 -4.4
MLY 4.73 6 eP 06 51.37 -2.1
MDM 4.92 18 eP 06 53.32 -2.8
FBA 4.94 21 eP 06 53.09 -3.3
YAH 5.02 85 eP 06 54.92 -2.8
GLM 5.09 22 iPd 06 55.71 -2.8
IMA 5.80 353 eP 07 04.33 -4.2
PRP 5.94 26 eP 07 07.50 -3.0

81 obs. associated

* SEP 12, 1993 16h 19m 38.17± 1.76s
14.435 N ±30.9km 92.545 W ±15.7km
DEPTH = 33.0km (normal)
4.2mb (2 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.6 (GCG).

TER 1.81 94 eP 20 07.81 0.2
IXG 2.04 97 eP 20 11.09 0.0
SCX 2.29 358 iP 20 23.50 9.1X
YUP 2.67 95 eP 20 20.11 0.2
OXX 4.81 304 (P) 20 50.30 0.0
LTX 18.05 327 eP 23 49.00 0.8
UYO 19.72 355 iPd 24 07.90 -0.1
ALQ 23.96 331 eP 24 51.80 1.1
LRM 35.50 336 eP 26 34.20 0.1
YKA 50.48 347 eP 28 33.20 -1.6
INK 59.87 344 eP 29 42.00 -0.7
WB2 134.97 256 ePKP 39 05.80 9.3X
S.D. = 0.8 on 10 of 12 obs.

? SEP 12, 1993 18h 11m 53.84± 4.01s
36.542 N ±26.6km 27.545 E ±24.8km
DEPTH = 10.0km (geophysicist)
DODECANESE ISLANDS (369)

CIN 1.14 22 ePg 12 15.00 -0.2
IZM 1.87 353 ePn 12 26.10 0.0
ELL 1.91 83 iPn 12 27.00 0.1
KHL 2.38 41 ePn 12 34.00 0.5
BCK 2.60 68 ePn 12 36.40 -0.4
S.D. = 0.5 on 5 of 5 obs.

% SEP 12, 1993 18h 19m 31.95± 2.17s
38.911 N ±20.0km 22.112 E ± 8.1km
DEPTH = 24.1 ± 7.6 km
GREECE (364)

ML 2.5 (THE).

AGG 0.20 57 iPg 19 36.70 -0.9
LIT 1.22 14 iPb 19 43.08
IGT 1.52 295 ePb 19 53.97 0.3
PAIG 1.58 50 ePb 20 12.44
FNA 1.95 343 iPn 20 18.20
OUR 2.03 45 ePn 20 20.56
GRG 2.06 6 ePn 20 20.56
SOH 2.13 26 ePn 20 20.56
KNT 2.33 15 ePn 20 20.56
S.D. = 0.7 on 9 of 9 obs.

* SEP 12, 1993 19h 15m 55.69± 0.97s
12.894 N ±16.8km 144.126 E ±18.3km
DEPTH = 33.0km (normal)
4.0mb (3 obs.)

SOUTH OF MARIANA ISLANDS (210)

GUM0 1.00 46 eP 16 13.60 0.2
GUA 1.00 50 iPc 16 26.80
PJG 1.00 46 iP 16 12.80 -0.6
MAT 24.14 348 eP 16 25.00
WB2 0.9s 5.04nm 4.1mb
ASPA 34.02 197 eP 22 38.20 -0.7
LIC 1.2s 1.60nm 3.8mb
ASPA 37.69 195 eP 23 16.00 6.0X
LIC 1.1s 3.70nm 4.2mb
S.D. = 1.1 on 6 of 7 obs.

* SEP 12, 1993 19h 22m 10.41± 0.43s
0.724 N ± 5.4km 122.516 E ± 8.7km
DEPTH = 33.0km (normal)
4.5mb (7 obs.)

MINAHASSA PENINSULA, SULAWESI (265)

TSM 5.84 307 iPc 23 37.90 0.9
KKM 8.21 310 eP 24 39.80
BIP 8.33 26 eP 24 11.00 0.6
IPM 8.33 26 eP 24 13.00 1.1
MBL 21.80 280 ePc 27 01.70 0.0
QIZ 21.91 187 eP 27 03.50 0.8
WB2 0.5s 70.50nm 5.3mb
NANU 22.03 326 eP 27 03.20 -0.8
ASPA 23.59 151 iPc 27 20.90 1.6
MEEK 0.4s 4.40nm 4.3mb
CHTO 24.13 196 eP 27 25.40 0.6
BAL 0.6s 55.00nm 5.3mb
KLB 26.65 156 eP 27 48.40 0.2
CD2 0.5s 2.20nm 4.0mb
MAT 27.46 188 eP 27 55.40 -0.6
LSA 29.29 309 eP 28 12.00 -0.2
GTA 31.64 190 eP 28 31.80 -1.0
GUN 32.45 188 eP 28 39.00 -0.9
KKN 34.90 331 Pc 29 01.30 0.2
DMN 37.96 347 eP 29 26.80 -0.1
HYB 38.49 20 eP 29 29.00 -2.3
GBA 41.49 317 P 29 58.00 1.2
S.D. = 0.9 on 23 of 23 obs.

* SEP 12, 1993 20h 27m 46.88± 0.37s
20.470 S ±15.4km 178.723 W ±11.0km

DEPTH = 494.0km (2 depth phases)
4.6mb (20 obs.)

FIJI ISLANDS REGION (181)

DZM 13.92 261 iPc 30 53.10 6.3X
ARMA 28.47 244 eP 33 04.80 1.9
CNB 31.68 235 eP 33 34.20 3.7X
CTA 32.82 264 iPc 33 42.50 2.4
TOO 0.5s 4.93nm 4.3mb
STK 35.37 233 iPc 34 02.30 1.0
ASPA 0.6s 14.00nm 4.7mb
WB2 37.20 244 eP 34 17.40 1.0
WRA 1.0s 3.90nm 3.9mb
DHH 43.87 257 iPd 35 10.50 0.2
FOR 0.5s 44.80nm 5.2mb
MBL 43.92 262 iPc 36 43.20
KLB 0.6s 19.90nm 4.8mb
BAL 43.93 262 P 35 11.50 0.7
MUN 0.9s 3.90nm 3.9mb
CSY 46.25 27 eP 35 28.75 0.2
ABL 48.68 247 eP 35 46.00 -1.1
NJ2 57.10 258 iPd 36 47.50 -0.2
CMB 0.5s 31.00nm 4.9mb
ORV 57.45 245 eP 36 48.00 -1.9
LGPM 58.45 246 eP 36 54.70 -2.1
GSC 58.73 244 eP 36 57.00 -1.6
GLA 63.71 205 iPc 37 28.40 -2.2
LBFM 0.5s 14.90nm 4.8mb
TNP 78.84 46 eP 38 59.89 0.4
IPM 79.34 310 Pc 39 01.60 -0.3
TUC 79.90 43 eP 39 04.91 0.1
VIPM 1.2s 19.45nm 4.4mb
CROR 80.10 41 eP 39 06.13 0.4
SHW 80.12 40 eP 39 06.80 0.9
STW 80.73 47 eP 39 09.31 0.1
CP2 80.92 50 eP 39 11.07 0.9
CRP 80.94 40 eP 39 10.75 0.4
GMW 81.20 44 eP 39 11.98 0.1
LON 81.36 200 P 39 12.19 0.4
ARUT 81.86 323 eP 39 14.60 -0.1
JBO 1.2s 20.00nm 4.5mb
RMW 81.98 44 eP 39 15.25 -0.5
MCW 0.7s 11.53nm 4.5mb
TTA 82.49 278 ePd 39 17.80 -0.7
BJI 83.49 52 eP 39 24.59 1.4
MSU 1.0s 27.34nm 4.8mb
LNOR 83.59 38 P 39 24.07 0.5
WTV 83.67 37 P 39 24.14 0.3
SAW 83.71 36 eP 39 24.31 0.2
BALM 84.17 33 P 39 26.91 0.8
TIY 84.19 13 eP 39 24.69 -1.5
DPW 84.21 13 eP 39 24.17 -2.1
SRU 84.26 34 eP 39 26.98 0.4
XAN 84.29 35 eP 39 26.62 -0.2
FV10 84.35 46 eP 39 27.25 -0.2
HHAI 84.61 37 P 39 28.93 0.6
ALQ 84.72 35 eP 39 28.86 -0.1
FBA 84.94 33 P 39 30.67 0.7
BW06 85.03 10 eP 39 29.65 -0.5
LHM 1.1s 6.40nm 4.2mb
85.39 316 eP 39 32.00 -0.2
85.58 46 eP 39 33.14 -0.4
85.73 38 P 39 33.68 -0.1
85.87 35 P 39 34.47 0.0
86.17 36 P 39 35.94 0.1
86.34 17 eP 39 35.55 -1.0
86.75 312 eP 39 38.50 -0.5
86.93 36 eP 39 39.23 -0.3
86.99 46 eP 39 39.75 -0.5
87.58 308 P 39 43.00 0.1
87.65 48 (P) 39 43.19 -0.3
87.87 42 eP 39 44.11 -0.1
87.91 52 eP 39 44.23 -0.5
1.1s 13.35nm 4.7mb
88.33 10 eP 39 43.74 -2.1
88.36 13 ePd 39 44.09 -1.7
0.7s 13.48nm 4.9mb
89.12 40 eP 39 49.80 -0.3
89.41 43 ePd 39 50.37 -1.1
0.7s 8.48nm 4.7mb

CNTO	89.60	290	eP	39	52.50	0.0	LBF	153.46	356	ePKP	46	48.70	7.3X	PIP	2.72	26	iPd	49	40.00	1.2	
RSSD	93.60	44	eP	40	10.03	-0.7		0.4s	1.80nm					PGP	2.81	147	eP	49	40.00	-0.2	
	0.6s	2.80nm				4.5mb		S.D. = 1.3	on	76	of	105	obs.	CVP	2.98	52	ePd	49	43.30	0.7	
CBM	118.64	47	ePKP	45	35.11	-4.2X		-----						GQP	3.57	123	eP	49	52.00	1.1	
KAF	134.93	344	ePKP	46	03.80	-6.2X		SEP 12, 1993	21h	01m	25.34±	2.85s					iS	50	37.00		
LSZ	135.72	219	iPKPd	46	11.00	-2.0		30.632	N ±46.4km	68.693	W ±68.0km			BJI	24.24	354	eP	54	10.50	-0.9	
OBN	136.40	331	ePKPc	46	11.00	-2.0		DEPTH = 100.0km	(geophysicist)				LZH	24.43	328	eP	54	13.50	0.0		
	1.0s	17.00nm						SAN JUAN PROVINCE,	ARGENTINA	(137)					1.6s	27.00nm			4.6mb		
NUR	136.72	343	ePKP	46	04.80	-8.6X									S.D. = 1.3	on	9	of	10	obs.	
NB2	138.87	353	PKP	46	05.00	-12.4X		RTLL	0.72	165	ePc	01	43.00	-0.3							
	0.7s	3.60nm							S	01	57.20										
HFS	139.40	350	ePKP	46	07.00	-11.3X		RTRS	0.81	305	eP	01	44.00	0.0							
	0.3s	4.90nm						CFA	1.05	158	iPc	01	46.80	0.2							
EKA	145.03	4	PKPc	46	26.40	-1.9			S	02	03.00										
KAS	145.50	314	iPKPd	46	29.40	-0.2		RTCV	1.23	174	eP	01	48.80	0.0							
OJC	146.88	338	ePKP	46	32.00	0.5			S	02	07.00										
UZH	147.22	334	iPKPd	46	34.50	2.5			S.D. = 0.3	on	4	of	4	obs.							
	0.9s	140.00nm																			
		e	46	42.10				SEP 12, 1993	21h	22m	25.68±	1.09s									
		e	46	49.10				62.256	N ± 8.3km	151.323	W ± 5.3km										
		e	49	59.80				DEPTH = 100.9 ± 27.2 km													
WIT	147.45	354	ePKP	46	34.50	2.3		CENTRAL ALASKA		(1)											
KSP	147.46	342	iPKPd	46	33.80	1.4		PWA	0.91	131	eP	22	45.70	0.2							
		i	46	38.60				CP2	1.09	204	iPd	22	47.22	-0.4							
CLL	147.87	346	iPKP	46	34.40	1.4			eS	23	03.79										
	0.9s	45.00nm						PMR	1.23	122	eP	22	48.83	-0.2							
CLL	147.87	346	iPKP	46	39.30	6.3X		PMS	1.32	140	eP	22	50.50	0.3							
	1.1s	18.00nm						SLKM	1.83	163	eP	22	56.88	0.2							
		pPKP	48	55.00				TTA	2.27	289	eP	23	02.29	-0.2					</		

12d 22h

TTA 9.05 16 eP 52 42.27 -7.4
 SUA 9.14 35 eP 52 46.96 -3.9
 PMS 9.40 38 eP 52 49.84 -4.6
 PMR 9.78 37 eP 52 58.81 -0.8
 HIN 10.12 47 eP 53 00.08 -4.2
 VZW 10.44 44 eP 53 04.41 -4.4
 SCM 10.60 39 eP 53 06.50 -4.4
 KLU 10.94 43 eP 53 10.24 -5.3
 BALM 12.23 49 eP 53 28.49 -4.6
 FBA 12.61 28 eP 53 33.24 -4.8
 0.5s 2.19nm 4.7mb
 HFS 65.77 3 eP 01 13.30 -9.7
 0.4s 1.20nm 4.5mb
 36 obs. associated

* SEP 12, 1993 22h 58m 01.89± 3.18s
 30.463 S ±18.4km 71.927 W ±24.2km
 DEPTH = 10.0km (geophysicist)
 NEAR COAST OF CENTRAL CHILE (135)
 MD 4.3 (SAN).

RTRS 2.15 83 iPc 58 40.50 2.2
 JACH 2.49 153 iPd 58 43.10 -0.1
 1S 59 10.20
 ROCH 2.62 163 iPd 58 45.43 0.2
 eS 59 14.19
 RTCB 2.87 112 ePd 58 48.50 -0.2
 S 59 21.00
 PEL 2.87 159 eP 58 48.88 0.2
 iS 59 20.74
 ZON 2.99 112 iPd 58 52.00 1.7
 LCC 3.02 174 iP+ 58 51.01 0.4
 FCH 3.18 154 eP 58 53.18 0.0
 RTCV 3.22 116 eP 58 53.50 -0.1
 S 59 10.00
 TACH 3.29 165 eP 58 54.68 0.2
 CFA 3.36 111 iPc 58 55.20 -0.4
 S 59 33.00
 PCH 3.37 159 eP 58 55.29 -0.4
 LNV 3.51 173 eP 58 56.98 -0.6
 iS 59 36.74
 CACH 3.81 163 iP 59 03.08 1.0
 RTPR 4.68 89 ePc 59 12.50 -1.8
 RFA 5.19 147 ePd 59 19.80 -1.8
 CYA 5.71 71 ePd 59 28.00 -0.9
 S.D. = 1.1 on 17 of 17 obs.

? SEP 12, 1993 23h 13m 39.04± 6.59s
 44.187 N ±14.0km 11.265 E ±54.8km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.8 (LDG).

PGF 2.33 226 Pn 14 18.10 0.0
 Sn 14 43.50
 SBF 2.78 265 Pn 14 24.70 0.2
 Sn 14 55.70
 FRF 3.40 261 Pn 14 33.40 0.2
 Sn 15 10.40
 LPG 3.47 294 Pn 14 34.00 -0.4
 LPL 3.49 294 Pn 14 35.00 0.4
 Sn 15 11.80
 LMR 3.55 258 Pn 14 34.80 -0.5
 Sn 15 13.00
 LRG 3.62 260 Pn 14 36.40 0.0
 Sn 15 16.00
 S.D. = 0.4 on 7 of 7 obs.

? SEP 12, 1993 23h 15m 54.54± 1.05s
 28.594 N ± 9.8km 34.578 E ±11.6km
 DEPTH = 23.2 ± 8.8 km
 3.4mb (1 obs.)

EGYPT (553)
 NAQJ 1.62 30 Pc 16 20.20 -1.9
 DHLJ 2.33 18 Pc 16 32.40 0.3
 WAJH 2.99 143 ePc 16 41.00 -0.4
 eS 17 16.60
 HLW 3.10 295 ePn 16 43.20 0.2
 eSn 17 17.00
 CSTJ 3.11 35 P 16 44.80 1.5
 MASJ 3.28 17 Pd 16 44.30 -1.4
 JARJ 3.82 18 Pc 16 38.90 -14.5X
 BHL 5.37 10 Pn 17 30.00 14.6X
 Sn 18 40.00
 UQSK 7.47 110 eP 17 45.30 0.4
 eS 19 32.00

QASM 8.34 105 eP 18 24.00 26.9X
 eS 20 44.00
 AFIF 8.92 118 eP 18 32.00 26.9X
 eS 20 16.00
 MJMA 9.92 103 eP 18 23.30 4.5X
 eS 20 40.00
 GEC2 25.81 327 eP 21 25.90 0.3
 0.9s 0.89nm 3.4mb
 S.D. = 1.4 on 8 of 13 obs.

SEP 12, 1993 23h 46m 51.05± 0.45s
 37.034 N ± 4.7km 22.831 E ± 4.1km
 DEPTH = 10.0km (geophysicist)
 4.3mb (23 obs.)

SOUTHERN GREECE (368)
 MD 4.0 (ATH). ML 4.0 (TIR). Felt
 at Sparti.

VLI 0.33 165 iPgc 46 59.20 1.4
 ATH 1.17 37 ePg 47 14.70 1.8
 VAM 1.96 145 iPbc 47 26.00 1.3
 eSn 47 52.40
 AGG 2.02 349 eP 47 26.17 0.5
 eS 47 52.10
 VLS 2.11 303 ePb 47 28.50 1.6
 NPS 2.86 127 ePn 47 38.30 0.7
 PAIG 2.96 13 eP 47 38.61 -0.4
 LIT 3.07 355 eP 47 41.82 1.3
 eS 48 18.30
 IGT 3.18 323 eP 47 44.34 2.3
 eS 48 21.42
 KZN 3.37 346 ePn 47 45.80 0.9
 OUR 3.42 15 eP 47 45.06 -0.3
 eS 48 25.46
 PRK 3.50 50 ePn 47 46.40 -0.1
 LSK 3.57 331 iPnc 47 47.80 0.2
 KEK 3.58 319 ePn 47 49.10 1.3
 THE 3.59 2 eP 47 48.70 0.8
 eS 48 29.58
 SRN 3.61 323 ePn 47 49.00 0.9
 IZM 3.77 67 ePn 47 51.60 1.1
 SOH 3.80 6 eP 47 52.22 1.2
 EZN 3.91 43 iPn 47 52.20 -0.2
 FNA 3.91 344 eP 47 54.22 1.7
 eS 48 39.30
 GRG 3.93 355 eP 47 53.66 0.9
 eS 48 38.70
 TPE 3.93 327 iPnc 47 50.50 -2.2
 SRS 4.12 8 eP 47 55.10 -0.3
 eS 48 43.82
 KNT 4.12 1 iP 47 55.82 0.4
 eS 48 44.14
 CIN 4.23 81 eP 48 02.00 5.1X
 VLO 4.31 324 ePn 47 57.00 -1.1
 OHR 4.37 339 iPn 48 01.40 2.4
 1.1s 300.00nm
 i 48 06.50
 i 48 10.00
 i 48 50.90
 i 48 55.40
 i 49 05.50
 Lg 49 05.50

ALN 4.60 32 eP 48 01.50 -0.7
 RDO 4.61 26 ePn 48 01.80 -0.6
 TIR 4.88 333 eP 48 07.00 0.7
 SKO 5.05 348 iPn 48 09.00 0.4
 iSn 49 04.00
 MFT 5.11 41 ePn 48 08.00 -1.5
 EDC 5.14 48 ePn 48 09.90 0.0
 BNT 5.18 49 ePn 48 10.10 -0.4
 LACI 5.19 333 ePn 48 12.50 1.9
 iSn 49 10.00
 KCT 5.39 52 ePn 48 13.10 -0.3
 KHL 5.46 74 ePn 48 15.00 0.4
 SDA 5.63 334 ePn 48 19.50 2.7
 iSn 49 18.50
 ELL 5.68 91 ePn 48 22.00 4.3X
 BCI 5.74 339 ePn 48 23.10 4.8X
 CTT 5.99 45 ePn 48 19.20 -2.6
 DMK 6.12 37 ePn 48 26.00 2.4
 BCK 6.20 84 eP 48 28.00 3.0X
 HVAR 7.85 323 ePn 48 46.60 -1.3
 iSn 50 11.10
 MLR 8.77 15 eP 49 02.00 1.1
 VRI 9.30 17 eP 49 10.00 1.9
 VBY 10.20 328 ePn 49 17.50 -2.9
 eSn 51 07.40
 PTJ 10.25 332 eP 49 19.00 -2.2

LJU 10.93 328 eP 49 27.00 -3.5X
 e(S) 51 32.00
 VOY 11.20 326 eP 49 33.20 -1.1
 e(S) 51 32.10
 GEC2 13.55 333 Pn 50 05.50 -0.3
 Sn 52 35.40
 PRU 14.26 338 eP 50 22.00 7.0X
 e 50 40.20
 KSP 14.58 343 eP 50 24.50 5.4X
 LPG 14.74 310 eP 50 24.40 2.9X
 0.6s 2.45nm 3.9mb
 LPL 14.76 310 eP 50 23.80 2.1
 0.9s 7.20nm 4.2mb
 GRF 15.19 330 eP 50 32.00 4.9X
 Z 16s 0.20um
 ic 50 33.20

BRG 15.23 338 eP 50 31.60 4.0X
 CLL 15.90 337 eP 50 39.00 2.8X
 1.2s 25.00nm 4.3mb
 BSF 15.99 317 eP 50 36.70 -0.9
 0.8s 9.65nm 4.0mb
 CDF 16.09 320 eP 50 39.70 0.9
 1.0s 7.20nm 3.8mb
 HAU 16.33 317 eP 50 41.90 0.0
 0.8s 12.65nm 4.1mb
 SMF 17.06 310 eP 50 51.00 -0.1
 1.2s 26.20nm 4.2mb
 LBF 17.14 311 eP 50 52.00 -0.1
 0.9s 8.70nm 3.9mb
 LOR 17.35 312 eP 50 54.00 -0.7
 0.7s 4.30nm 3.7mb
 AVF 17.43 310 eP 50 54.10 -1.6
 1.4s 28.75nm 4.2mb
 WLF 17.46 322 iPc 50 58.34 2.4
 SSF 17.46 311 eP 50 54.10 -2.0
 1.0s 18.40nm 4.2mb
 DOU 18.51 321 P 51 07.70 -1.4
 0.7s 22.20nm 4.5mb
 LDF 20.34 312 eP 51 27.70 -2.3
 0.8s 25.80nm 4.6mb
 OBN 20.37 23 iPc 51 28.00 -2.3
 0.5s 23.00nm 4.8mb
 FLN 20.62 312 eP 51 30.90 -2.1
 1.3s 72.55nm 4.9mb
 LFF 20.66 310 eP 51 31.30 -2.0
 0.7s 15.85nm 4.5mb
 IFR 23.06 270 iP 51 59.00 1.2
 NUR 23.52 2 eP 51 55.80 -6.0X
 HFS 23.85 349 eP 52 02.50 -2.4
 0.5s 8.00nm 4.6mb
 AVE 24.95 270 iP 52 16.50 0.6
 NB2 25.13 347 P 52 14.00 -3.3X
 0.6s 4.10nm 4.3mb
 KAF 25.20 4 eP 52 15.80 -2.1
 EKA 25.42 324 Pc 52 20.10 0.0
 0.6s 11.90nm 4.8mb
 TIO 25.62 265 iP 52 23.50 1.1
 TIC 39.49 227 P 54 23.11 -0.4
 0.8s 15.50nm 4.7mb
 LIC 39.83 226 P 54 25.87 -0.4
 0.8s 26.00nm 5.0mb
 NDI 45.91 84 eP 55 15.00 -0.6
 DMN 52.64 81 P 56 06.80 -1.1
 KKN 52.70 81 P 56 06.40 -1.9
 0.6s 13.00nm 5.0mb
 SOB1 75.26 246 (P) 58 37.00 0.8
 IMA 77.19 359 eP 58 45.58 -0.8
 0.6s 0.97nm 4.1mb
 S.D. = 1.4 on 74 of 87 obs.

& SEP 13, 1993 00h 24m 00.46s
 60.316 N 149.921 W
 DEPTH = 49.9km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>. ML 3.0 (AEIC), 3.1
 (PMR).

SLKM 0.24 322 iPd 24 08.85 -0.4
 iS 24 15.29
 SEW 0.32 132 iPd 24 09.21 -0.6
 eS 24 16.23
 MPA 0.33 58 iPd 24 09.46 -0.4
 eS 24 16.41
 BRK 0.74 222 eP 24 14.04 -0.8
 eS 24 24.25
 PMS 0.95 11 P 24 17.20 -0.5
 PWL 0.95 54 iPc 24 16.89 -0.9


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SEP 13, 1993 00h 24m 20.53± 0.34s
43.085 N ± 5.1km 141.286 E ± 4.9km
DEPTH = 161.4 ± 4.5 km
4.6mb ( 26 obs.)
HOKKAIDO, JAPAN REGION (224)

SAP 0.04 129 eP 24 43.00 1.3
      iS 24 59.30
MRRJ 0.68 194 iPd 24 45.20 0.9

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ASAJ	1.43	43	iPd	24 51.20	0.7
			s	25 12.90	
HOOF	1.63	115	iP+	24 52.60	0.0
			eS	25 15.50	
KUSJ	2.51	89	iP+	25 02.50	-0.2
			eS	25 32.70	
AOMJ	2.61	195	P	25 04.80	0.8
			eS	25 36.90	
OFUJ	4.01	176	P	25 20.40	-1.5
			eS	26 04.90	
YSS	4.06	14	iPnd-	25 23.00	0.6
			iS	26 09.30	
YAMJ	5.00	191	P	25 34.50	-0.4
			eS	26 30.10	
NILJ	6.09	197	P	25 49.00	-0.4
			eS	26 56.60	
KAKJ	6.92	187	P	25 56.50	-4.1X
			S	27 09.50	
MAT	6.95	201	eP	26 00.00	-1.0
	0.9s	76.47nm			5.1mb
			eS	27 19.00	
MTMJ	7.02	204	P	26 02.90	0.9
CHJJ	7.25	195	P	26 03.20	-1.7
			eS	27 21.00	
TSRJ	8.58	210	P	26 22.80	0.2
MDJ	8.59	284	eP	26 23.40	0.7
CN2	11.54	279	eP	27 00.60	-0.8
	1.0s	14.00nm			4.5mb
SKR	12.64	48	ePn	27 13.20	-2.4
			e	29 33.20	
MGD	18.00	16	ePc	28 19.00	-2.3
	1.3s	90.00nm			5.0mb
BJI	19.02	269	eP	28 31.00	-1.2
	1.0s	24.00nm			4.5mb
TIA	19.79	258	eP	28 40.70	0.5
YAK	20.17	344	iPd	28 41.20	-2.5
	0.9s	41.00nm			4.9mb
			eS	32 16.00	
BOD	22.50	320	eP	29 05.90	-0.9
	0.9s	10.00nm			4.3mb
XAN	26.74	261	eP	29 46.00	-0.7
ZAK	26.82	299	iPc	29 48.00	0.8
	1.1s	20.00nm			4.7mb
GTA	31.17	278	eP	30 26.50	0.3
	1.0s	19.00nm			4.8mb
SVW	40.89	41	eP	31 49.90	2.1
	1.0s	12.50nm			4.5mb
IMA	41.62	34	eP	31 52.99	-0.8
	0.7s	10.13nm			4.5mb
PMR	43.95	40	eP	32 13.19	0.7
	0.9s	16.67nm			4.6mb
FBA	44.13	35	eP	32 14.89	0.9
	0.9s	13.75nm			4.6mb
GUN	46.76	270	P	32 36.50	0.8
	0.4s	23.00nm			5.1mb
BALM	47.27	40	eP	32 39.70	0.8
KKN	47.27	270	P	32 40.40	0.9
	0.8s	34.00nm			5.0mb
DMN	47.50	270	P	32 41.90	0.6
	0.6s	20.00nm			4.9mb
INK	49.11	29	eP	32 52.50	-0.3
	0.5s	2.00nm			4.0mb
SVE	50.66	315	eP	33 04.90	0.1
	0.9s	60.00nm			5.3mb
NDI	52.67	276	eP	33 21.00	0.9
YKA	58.67	32	eP	34 01.60	-1.0
	0.6s	3.40nm			4.4mb
GBA	61.77	262	P	34 24.00	-0.2
KAF	62.92	331	iP	34 30.10	-1.1
	0.4s	4.90nm			4.8mb
RMW	63.89	49	eP	34 37.96	0.1
NUR	64.60	331	iP	34 41.30	-0.8
	0.4s	11.20nm			5.1mb
NEW	65.92	46	eP	34 51.20	0.3
	1.1s	9.26nm			4.6mb
NB2	68.59	336	P	35 05.70	-1.6
	0.6s	4.50nm			4.5mb
ORV	68.86	55	eP	35 10.00	0.7
LRM	69.94	46	ePd	35 16.00	-0.1
TNP	72.37	54	eP	35 32.50	1.8
	1.0s	10.50nm			4.5mb
BW06	73.53	46	ePd	35 37.34	0.0
	0.8s	4.64nm			4.3mb
KSP	74.93	327	eP	35 45.40	0.4
SRU	75.54	50	eP	35 49.22	0.3
PRU	76.29	328	Pd	35 53.80	1.2

PV10	76.88	49	eP	35	55.91	-0.5
PV08	76.96	49	eP	35	57.59	0.6
GEC2	77.54	328	ePc	36	00.10	0.5
	0.5s		1.16nm			3.8mb
GRF	77.80	329	ePc	36	02.50	1.5
	1.0s		10.00nm			4.5mb
S.D. = 1.1 on 54 of 55 obs.						

SEP 13, 1993 01h 07m 51.57± 0.68s						
38.914 N ± 6.3km 21.257 E ± 6.3km						
DEPTH = 10.0km (geophysicist)						
GREECE						(364)
MD 3.2 (ATH). ML 3.1 (THE).						
AGG	0.84	82	ePg	08	07.08	-0.8
			eSg	08	19.08	
VLS	0.90	216	ePg	08	07.00	-1.9
			eSg	08	21.50	
IGT	0.95	311	ePg	08	09.82	0.2
			eSg	08	25.74	
KEK	1.38	306	ePg	08	16.80	-0.1
KZN	1.45	16	ePb	08	17.00	-0.9
LIT	1.52	38	ePb	08	18.50	-0.3
			eSb	08	39.04	
FNA	1.87	3	ePn	08	25.14	1.2
			eSn	08	50.40	
PAIG	2.13	61	iPn	08	26.66	-1.0
			eSn	08	53.88	
GRG	2.22	23	iPn	08	29.77	0.8
			eSn	08	57.68	
OHR	2.22	351	iPn	08	29.10	0.0
	1.1s		90.00nm			
			i	08	31.50	
			i	08	57.90	
			i	09	06.50	
			Lg	09	10.50	
SOH	2.50	40	ePn	08	32.40	-0.5
			eSn	09	03.64	
OUR	2.54	55	ePn	08	32.84	-0.6
			iSn	09	03.50	
VLI	2.56	148	ePb	08	36.70	2.9
KNT	2.57	29	iPn	08	33.77	-0.2
			iSn	09	05.66	
SRS	2.84	38	ePn	08	37.89	0.1
			eSn	09	12.08	
SKO	3.06	3	ePn	08	42.00	1.2
S.D. = 1.2 on 16 of 16 obs.						

&	SEP 13, 1993	01h 23m	16.32s			
	59.233 N		153.798 W			
DEPTH = 111.2km						
SOUTHERN ALASKA						(2)
<AEIC>.						
AUI	0.22	62	eP	23	31.30	0.7
			eS	23	43.03	
AUW	0.22	51	iP	23	31.50	0.9
AUH	0.22	54	eP	23	31.57	0.9
AUP	0.23	56	eP	23	31.71	1.0
AUL	0.24	51	eP	23	31.63	1.0
AUE	0.25	60	iP	23	31.63	1.0
CDD	0.31	165	iP	23	31.66	-0.9
			eS	23	43.70	
OPT	0.51	34	eP	23	32.85	-0.8
			eS	23	45.77	
PDB	0.59	340	iP	23	33.27	-0.9
			eS	23	46.51	
INW	0.90	22	eP	23	35.78	-1.3
			eS	23	51.03	
INE	0.91	24	eP	23	36.16	-1.0
			eS	23	51.29	
ILIM	0.95	26	eP	23	36.38	-1.1
SYI	0.96	130	eP	23	36.15	-1.3
			eS	23	51.24	
HOM	1.18	68	eP	23	39.90	0.1
			eS	23	56.51	
CNPM	1.34	76	eP	23	39.98	-1.8
RDW	1.35	21	eP	23	40.66	-1.3
REF	1.38	23	eP	23	40.87	-1.4
NCT	1.40	18	eP	23	41.22	-1.3
DFR	1.47	22	iP	23	42.07	-1.3
RDT	1.52	27	eP	23	42.10	-1.8
			eS	24	02.39	
KDC	1.64	155	eP	23	40.80	-4.4
BKG	2.00	22	eP	23	48.30	-1.6
SPU	2.14	23	eP	23	49.86	-1.8
BGL	2.15	18	eP	23	50.70	-1.2

13d 01h

CRP 2.20 21 (P) 23 50.60 -2.0
 SLKM 2.21 53 eP 23 51.08 -1.5
 CGLM 2.26 22 eP 23 52.61 -0.8
 NCG 2.33 20 eP 23 54.01 -0.2
 PMR 3.31 42 (P) 24 04.01 -3.2
 KLU 4.52 57 eP 24 20.03 -3.8
 30 obs. associated

? SEP 13, 1993 01h 24m 56.78± 1.13s
 17.482 N ±13.4km 95.241 W ± 9.7km
 DEPTH = 33.0km (normal)
 OAXACA, MEXICO (60)

OXX 1.47 255 iPd 25 20.85 -0.6
 iS 25 38.04
 LVVM 2.52 333 (P) 25 38.49 2.2
 (S) 26 11.13
 SCX 2.60 106 iP 25 38.00 0.6
 iS 26 08.00
 IIT 3.29 298 iP 25 50.91 3.4X
 PPM 3.58 297 iP 25 54.90 3.0X
 (S) 26 23.21
 IIA 3.65 298 iP 25 55.32 3.1X
 (S) 26 27.67
 TPX 3.84 131 iP 26 14.50 19.5X
 III 4.12 283 iPc 25 59.20 0.0
 (S) 26 45.00
 ACX 4.46 263 (P) 25 58.50 -5.3X
 MRX 6.06 292 (P) 26 26.69 0.2
 MIAR 17.06 5 eP 28 54.08 -0.3
 TUL 18.36 359 iP 29 08.50 -2.1
 MYNC 20.13 27 ePc 29 25.46 -5.4X
 e 29 40.69

S.D. = 1.6 on 7 of 13 obs.

SEP 13, 1993 01h 53m 00.16± 0.56s
 40.244 N ± 5.0km 35.252 E ± 5.3km
 DEPTH = 10.0km (geophysicist)
 3.8mb (4 obs.)

TURKEY (366)
 ML 4.2 (ISK). Felt at Amasya.

KVT 1.03 36 iPn 53 20.00 0.3
 BNN 1.47 161 iPn 53 27.10 0.2
 eSg 53 48.00
 KAS 1.59 315 ePgD 53 31.20 2.7
 iSg 53 46.00
 GAZ 3.43 153 iPn 53 54.50 -0.2
 EYL 3.90 276 iPn 54 02.10 0.5
 ALT 4.14 255 iPn 54 05.30 0.4
 HRT 4.29 280 iPn 54 07.00 -0.1
 BCK 4.58 234 ePn 54 11.00 -0.1
 ERZ 4.63 92 ePn 53 57.10 -14.9X
 ISK 4.78 282 ePn 54 14.10 0.2
 ITU 4.82 282 ePn 54 15.00 0.5
 iSg 55 31.00

KHL 4.84 248 ePn 54 14.50 -0.4
 DST 5.13 265 ePn 54 18.70 -0.2
 CTT 5.26 282 ePn 54 21.00 0.2
 KCT 5.28 272 ePn 54 20.50 -0.5
 ELL 5.45 232 ePn 54 24.00 0.4
 BNT 5.61 274 ePn 54 25.50 -0.1
 EDC 5.65 273 ePn 54 26.00 -0.2
 DMK 5.88 288 ePn 54 29.50 0.0
 CIN 6.18 247 iPd 54 34.00 0.4
 IZM 6.46 256 ePn 54 37.00 -0.7
 EZN 6.86 269 iPn 54 42.70 -0.6
 CFR 7.19 316 eP 54 46.00 -1.8
 VRI 8.40 315 eP 55 04.00 -0.8
 MLR 8.61 311 eP 55 07.50 -0.4
 SPC 13.90 315 eP 56 33.00 13.4X
 ZST 15.22 307 eP 56 41.00 4.3X
 GEC2 17.56 306 ePn 57 10.40 3.9X
 0.7s 0.54nm 2.8mb X
 NUR 21.33 346 eP 58 01.20 12.0X
 LPG 21.48 294 eP 57 51.70 0.5
 1.3s 22.00nm 4.4mb
 LPL 21.49 294 eP 57 51.70 0.5
 0.8s 4.15nm 3.9mb
 KAF 22.56 349 eP 57 59.10 -2.4
 HFS 24.02 333 eP 58 17.40 1.7
 0.5s 1.20nm 3.7mb
 NB2 25.53 333 P 58 38.90 8.7X
 0.6s 0.80nm 3.6mb

S.D. = 1.0 on 28 of 34 obs.

* SEP 13, 1993 02h 07m 24.11± 1.45s

32.321 N ±10.7km 49.620 E ±21.2km
 DEPTH = 33.0km (normal)
 3.9mb (3 obs.)
 WESTERN IRAN (347)

KER 2.92 315 iPc 08 11.20 1.8
 TEH 3.71 23 eP 08 22.00 1.4
 TAB 6.33 336 eP 09 17.00 19.2X
 MJMA 7.47 212 eP 09 14.00 0.4
 eS 10 40.00
 RYD 8.02 200 eP 09 30.00 8.7X
 eS 11 01.00
 QASM 8.17 222 eP 09 23.60 0.2
 eS 10 50.00
 MAIO 9.08 61 eP 09 51.00 15.0X
 eS 11 33.00
 UQSK 9.09 226 eP 09 36.30 0.2
 eS 11 17.30
 AFIF 9.96 216 ePc 09 53.60 5.5X
 eS 11 33.30
 OHR 24.63 299 eP 12 43.50 0.7
 GEC2 31.52 312 eP 13 43.90 -1.4
 0.5s 0.86nm 3.9mb
 e 13 46.60
 e 13 49.90
 e 13 52.80
 e 13 54.40
 e 13 56.50
 e 13 59.80

SLL 36.85 331 eP 14 29.70 -1.1
 0.4s 2.70nm 4.5mb
 NB2 38.03 331 P 14 38.60 -2.1
 0.6s 0.60nm 3.6mb
 S.D. = 1.5 on 9 of 13 obs.

? SEP 13, 1993 02h 15m 42.04± 4.15s
 24.393 S ±36.0km 67.456 W ±37.3km
 DEPTH = 200.0km (geophysicist)
 CHILE-ARGENTINA BORDER REGION (127)

SLA 1.82 101 iPd 16 18.50 -0.7
 S 16 44.00
 HJA 2.21 58 ePd 16 22.80 -0.3
 YJA 2.85 39 e(P) 16 29.80 -1.0
 CNCB 7.56 356 P 17 33.00 1.9
 LPB 7.84 355 eP 17 33.00 -1.8
 LPAZ 8.09 355 P 17 38.60 0.5
 SIV 10.28 37 P 18 02.20 -3.7X
 PPD 15.03 84 eP 19 07.40 1.5
 BAO 20.24 68 eP 20 03.50 -0.1
 S.D. = 1.5 on 8 of 9 obs.

? SEP 13, 1993 02h 49m 47.19± 1.16s
 38.787 N ±17.4km 27.679 E ±24.4km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

IZM 0.51 220 ePg 49 57.50 0.0
 eSg 50 05.50
 DST 1.10 42 ePn 50 07.80 -0.1
 KCT 1.55 20 ePn 50 15.10 0.2
 EDC 1.56 5 ePn 50 14.90 -0.1
 S.D. = 0.3 on 4 of 4 obs.

* SEP 13, 1993 03h 04m 53.81± 0.52s
 31.033 N ± 7.6km 83.676 E ± 7.4km
 DEPTH = 15.8km (2 depth phases)
 4.7mb (19 obs.)

XIZANG (306)

KKN 3.52 156 P 05 50.90 1.7
 DMN 3.63 160 P 05 52.60 1.7
 GUN 3.66 148 P 05 52.80 1.5
 NDI 6.08 249 iPc 06 27.00 1.8
 eS 07 50.00
 LSA 6.59 100 P 06 33.60 0.7
 1.2s 57.00nm 5.4mb
 eS 07 50.00
 SHL 9.05 125 iP 07 02.20 -4.7X
 eS 08 39.50
 KSH 10.49 325 eP 07 25.00 -1.7
 0.8s 20.00nm 5.5mb
 pP 07 32.00
 sP 07 37.00
 eS 09 27.00
 sS 09 39.00

SS 09 42.00
 WMQ 13.16 13 P 08 03.00 0.4
 1.0s 38.00nm 5.5mb

HYB 14.33 200 eP 08 12.60
 eS 08 13.40 -4.7X
 10 43.00

GTA 15.60 53 eP 08 34.00 -0.6
 1.5s 13.00nm 3.9mb
 Z 12s 0.78um 4.6MsZx

CD2 17.23 85 Pd 08 57.00 1.7
 1.4s 56.00nm 4.5mb
 Z 10s 0.95um 4.9MsZ

LZH 17.54 68 P 09 00.50 1.2
 1.5s 79.00nm 4.6mb
 Z 14s 1.11um 4.6MsZ

E 10s 0.78um
 sP 09 09.00
 PP 09 20.00

KMI 17.81 105 Pc 09 01.00 -1.9
 1.5s 70.00nm 4.6mb

GBA 18.27 200 P 09 06.00 -2.3
 CHTO 18.41 128 eP 09 06.30 -3.7X

GYA 20.65 97 P 09 33.00 -2.5
 MAIO 20.78 291 eP 09 35.00 -1.7

XAN 21.48 75 P 09 43.00 -0.8
 1.0s 20.00nm 4.5mb

pp 09 48.00 18km
 BTO 23.32 59 eP 10 05.00 2.9X

N 13s 0.39um
 E 13s 0.30um

TIY 24.59 66 eP 10 13.00 -1.4
 Z 15s 1.18um 4.5MsZx

E 11s 0.49um
 S 14 24.50

BJI 27.81 62 eP 10 45.00 0.9
 Z 16s 0.29um 4.0MsZx

N 12s 0.37um

CN2 35.18 57 eP 11 49.90 1.0
 OBN 40.91 320 iPd 12 38.50 1.9

1.3s 57.00nm 5.1mb
 i 12 42.50 13km

NUR 48.36 325 eP 13 31.30 -5.1X
 HFS 53.76 324 eP 14 17.40 0.2

0.4s 1.60nm 4.4mb
 GEC2 54.60 310 eP 14 24.90 1.2

1.3s 2.21nm 4.0mb
 NB2 54.97 325 P 14 24.70 -1.5

1.1s 9.60nm 4.7mb
 WRA 70.25 129 P 16 06.80 -1.6

0.7s 3.00nm 4.5mb
 WB2 70.26 129 iPd 16 06.30 -2.1

0.6s 7.00nm 5.0mb
 ASPA 72.62 132 iPc 16 20.60 -2.0

0.8s 5.00nm 4.6mb
 IMA 73.77 21 eP 16 29.57 0.7

1.0s 4.31nm 4.4mb
 FBA 76.36 20 eP 16 44.22 0.7

1.1s 11.87nm 4.9mb
 INK 77.17 13 eP 16 50.00 2.1

1.1s 4.00nm 4.4mb
 PMR 78.32 23 eP 16 55.17 0.8

1.3s 28.96nm 5.2mb
 S.D. = 1.6 on 29 of 34 obs.

SEP 13, 1993 03h 20m 39.30± 0.42s
 35.812 N ± 4.2km 4.681 W ± 5.1km

DEPTH = 33.0km (normal)
 STRAIT OF GIBALTAR (385)

mbLg 3.3 (MDD). MD 3.2 (RBA).

EJIF 0.90 315 eP 20 56.11 0.5
 eS 21 08.00

PLAT 0.93 290 iP 20 58.00 2.0
 MOMI 0.98 301 eP 20 58.00 1.2

TOU 1.14 138 iP 21 01.00 2.1
 eS 21 13.00

TSY 1.14 248 iP 21 00.00 1.1
 iS 21 14.50

EPRU 1.23 339 eP 21 01.26 0.9
 eS 21 16.80

BMK 1.29 228 eP 21 09.50 8.4X
 iS 21 31.00

RSA 1.31 226 iP 21 02.00 0.6
 iS 21 17.50

PINR 1.35 301 eP 21 04.00 2.0
 EGUA 1.36 41 eP 21 02.67 0.5

eS 21 20.80

13d 03h

GIBL	1.44	315	eP	21	03.00	-0.4	KKN	28.69	337	P	47	11.40	0.5	OFUJ	54.95	41	eP	50	43.80	-0.7
EMEL	1.50	109	eP	21	04.59	0.5	LSA	28.73	348	P	47	13.80	2.3	HOOJ	57.74	39	eP	51	05.60	1.2
			eS	21	22.40			0.5s	11.00nm				4.8mb	ASAJ	58.28	37	eP	51	08.40	0.2
ECOG	1.72	31	iPd	21	08.77	1.4		Z 30s	1.25um			4.3MsZ	TOO	58.90	136	iPc	51	13.70	1.0	
			eS	21	30.00		CD2	29.88	11	iPc	47	19.80	-1.5		0.8s	26.00nm			5.4mb	
ZER	1.72	192	eP	21	09.00	1.6		1.0s	110.00nm			5.6mb	BWA	59.53	132	iPc	51	18.60	1.5	
			eS	21	29.50			Z 19s	1.29um			4.6MsZ	YSS	59.96	34	iPd	51	20.00	0.3	
TGT	1.77	190	iP	21	07.00	-1.0	MBL	31.32	137	eP	47	34.50	0.4	BRS	60.32	123	iP	51	23.00	0.4
			iS	21	27.00			1.0s	37.00nm			5.2mb		1.0s	9.00nm			4.9mb		
TZK	1.77	167	iP	21	09.00	1.0	WHN	33.03	27	Pc	47	48.50	-0.3		i		51	30.00	23kmX	
			iS	21	27.50			Z 20s	4.35um			5.2MsZ	CAN	60.35	133	iPc	51	23.30	0.6	
ELUQ	1.78	11	eP	21	09.52	1.3	NDI	33.30	326	eP	47	50.50	-0.8	ARMA	60.42	126	iPd	51	24.40	1.1
			eS	21	31.10		XAN	34.12	17	iPc	47	57.00	-1.3		0.9s	24.00nm			5.3mb	
ZAI	1.88	122	eP	21	10.50	0.9		0.7s	190.00nm			6.1mb		i		51	37.00	44km		
			iS	21	31.00			Z 18s	0.84um			4.5MsZ	CNB	60.61	132	eP	51	25.00	0.5	
EHOR	2.06	347	iPd	21	11.61	-0.6		S		53	17.00			0.9s	11.00nm			5.0mb		
			eS	21	35.90			ScS		58	17.00		SVE	62.56	338	ePd	51	35.20	-2.0	
TAF	2.10	118	ePn	21	12.00	-1.0	LZH	34.95	9	iPc	48	05.00	-0.6		1.2s	25.00nm			5.2mb	
			iSn	21	39.00			1.6s	170.00nm			5.7mb		e		51	43.50	27km		
ENIJ	2.31	59	iPc	21	16.09	0.3		Z 18s	0.59um			4.4MsZ	YAK	65.08	16	iPc+	51	51.80	-1.7	
			eS	21	44.30		N 13s	0.31um						1.0s	146.00nm			6.0mb		
IFR	2.32	189	iPnc	21	14.00	-2.1	MTN	36.24	114	eP	48	14.50	-2.1		eS		00	28.00		
			iSn	21	39.00		NJ2	36.47	31	Pd	48	18.20	-0.1	NRI	68.12	356	iPc	52	11.20	-1.5
EVAL	2.43	317	iPc	21	15.75	-1.7		0.7s	23.00nm			5.2mb		1.0s	23.00nm			5.2mb		
			eS	21	42.70		SSE	37.01	35	Pd	48	22.50	-0.3		e		52	21.00	31km	
EBAN	2.45	17	iPd	21	17.54	-0.4		0.8s	11.00nm			4.8mb		e		52	43.00			
			eS	21	47.00			Z 20s	0.90um			4.6MsZ		e		54	45.00			
EHUE	2.61	39	eP	21	20.53	0.4	GTA	37.83	3	Pc	48	29.50	-0.3	DZM	71.08	114	iPd	52	32.00	0.1
			eS	21	50.90			1.5s	72.00nm			5.3mb	SLR	72.03	242	iPd	52	36.00	-1.6	
EVIA	3.31	31	eP	21	29.60	-0.6		Z 12s	0.30um			4.3MsZ		1.0s	50.00nm			5.5mb		
			eS	22	07.20			pP		48	39.00	32km	OBN	72.55	328	eP	52	31.00	-8.9X	
TNF	3.32	189	iP	21	28.50	-1.6	TIY	38.59	19	Pc	48	35.90	-0.3		1.0s	14.00nm			4.9mb	
			eS	22	04.00			Z 26s	1.27um			4.6MsZ		i		52	51.50	77kmX		
EALH	3.32	51	eP	21	29.46	-0.7	N 12s	0.38um					TIK	72.86	10	iPc	52	41.00	-0.4	
			eS	22	07.90		BTO	40.57	15	eP	48	53.00	0.5		1.2s	20.00nm			5.0mb	
AVE	3.37	223	iPn	21	28.00	-2.9		N 13s	0.22um					i		52	55.00	49kmX		
			iSn	22	02.00		E 13s	0.30um					SEK	73.10	240	iPc	52	44.50	0.6	
			i	22	03.50		HHC	41.21	16	Pc	48	58.20	0.4		0.6s	23.00nm			5.3mb	
EPLA	4.39	346	iPc	21	43.09	-2.3		1.2s	77.00nm			5.3mb	BLF	74.48	239	eP	52	51.50	-0.4	
			eS	22	31.60			Z 18s	0.91um			4.7MsZ		0.9s	33.00nm			5.3mb		
GUD	4.84	5	eP	21	50.28	-1.5	N 16s	0.36um					MLR	76.11	317	eP	53	00.00	-0.9	
			eS	22	44.40		WB2	41.90	122	iPd	49	02.70	-0.9	OHR	79.05	311	eP	53	15.00	-2.1
TIO	5.33	205	iPn	21	54.80	-4.0X		0.5s	38.60nm			5.4mb	SUR	79.59	237	eP	53	22.00	1.7	
			iSn	22	51.00			e		49	11.20	29km		1.0s	92.00nm			5.7mb		
ETOR	5.41	22	iPd	21	58.20	-1.6	BJI	41.97	22	eP	49	04.00	0.1	KAF	80.00	333	iP	53	21.60	-0.1
			eS	22	58.20			1.0s	98.00nm			5.5mb		0.5s	6.00nm			4.8mb		
							Z 18s	0.29um				4.2MsZ	NUR	80.35	331	eP	53	31.20	7.7X	
								eS		55	16.00		SPC	80.60	320	eP	53	22.80	-2.6	
S.D. = 1.4 on 31 of 33 obs.							WMQ	43.08	350	iPd	49	14.00	1.0	CER	80.99	236	e(P)	53	25.00	-2.6
SEP 13, 1993 04h 41m 14.65± 0.24s								0.7s	28.00nm			5.1mb	SDF	81.48	338	eP	53	37.00	7.6X	
1.461 N ± 3.9km 97.536 E ± 4.6km							KAGJ	43.22	43	eP	49	13.50	-0.8	ZST	82.53	318	eP	53	34.70	-0.5
DEPTH = 36.0km (10 depth phases)							FORT	43.26	140	eP	49	16.00	1.5		i		53	46.30	38km	
5.2mb (53 obs.) 4.6MsZ (8 obs.)							ASPA	43.28	128	iPc	49	14.50	-0.4	VBY	83.54	315	iP	53	40.60	0.1
NORTHERN SUMATERA, INDONESIA (706)								0.6s	16.60nm			5.0mb		eP		53	52.60	39km		
IPM	4.66	48	iP	43	01.10	36.5X		Z 23s	0.20um			4.0MsZ	UPP	83.67	330	iP	53	40.60	-0.2	
			iS	43	46.50			eS		55	35.70		PRU	84.37	320	eP	53	57.00	12.4X	
SNG	6.46	28	iPc	42	50.90	1.1	DL2	43.29	28	eP	49	14.50	-0.2	GEC2	84.84	319	eP	53	47.20	0.1
	1.6s	1666.67nm				6.5mb X		1.0s	89.00nm			5.5mb		0.8s	3.25nm			4.5mb		
KSI	7.15	135	ePc	43	01.00	1.4	KUMJ	44.00	42	eP	49	20.70	0.2		eP		53	59.70	41km	
NNT	11.27	11	iPd	43	07.30	0.9	SHNJ	45.16	40	eP	49	30.20	0.3	GEC2	84.84	319	e(P)	53	59.70	12.6X
KHT	13.28	4	eP	44	32.00	8.7X	FRU	46.01	337	(P)	49	42.00	5.5X		0.8s	6.50nm				
NST	14.35	10	eP	44	37.00	-0.4		e		50	00.00	72kmX	HFS	85.66	330	eP	53	50.70	-0.1	
BDT	15.75	5	eP	44	57.50	1.9	SNY	46.52	27	Pc	49	39.80	-0.6		0.4s	1.90nm			4.6mb	
	0.8s	134.90nm				5.2mb		1.0s	48.00nm			5.4mb	GRF	86.50	320	eP	53	56.10	0.9	
LOE	16.37	14	eP	45	06.00	2.4	QIS	46.64	120	iPd	49	41.30	-0.5		e		54	08.20	40km	
CHTO	17.30	4	iPc	45	14.70	-0.5		i		49	48.00	22kmX	NB2	86.94	331	P	53	55.60	-1.5	
	1.0s	65.50nm				4.7mb	TKSJ	47.02	43	P	49	45.00	0.4		0.5s	1.50nm			4.5mb	
			eS	48	25.40		YONJ	47.35	41	P	49	46.90	-0.2	LPG	89.52	315	eP	54	09.60	-0.5
KKM	19.18	76	ePc	45	34.00	-4.4X	WKYJ	48.21	43	P	49	54.10	0.1		0.7s	4.20nm			4.8mb	
TSM	20.50	82	eP	45	52.70	0.2	WKYJ	48.21	43	P	49	54.20	0.2	LPL	89.53	315	eP	54	10.50	0.4
QIZ	21.22	34	eP	45	59.00	-0.8	CN2	48.92	27	Pd	49	58.30	-0.9		1.0s	10.60nm			5.1mb	
KOD	21.77	294	eP	46	07.20	1.6		1.0s	62.00nm			5.6mb	HAU	89.72	318	eP	54	16.70	6.0X	
PPR	22.64	68	iPd	46	13.00	-0.9	ZAK	48.99	5	eP	50	00.50	0.9		0.9s	6.40nm			4.9mb	
GBA	23.26	302	Pd	46	22.00	2.0		1.0s	21.00nm			5.1mb	NVL	89.95	199	eP	54	13.00	1.8	
KMI	24.06	12	iPc	46	29.50	1.6		Z 16s	0.30um			4.4MsZ		1.0s	40.00nm			5.6mb		
	1.5s	450.00nm				5.8mb		eS		57	00.00			i		54	25.00	39km		
	Z 20s	2.00um				4.6MsZ	TSRJ	49.22	42	P	50	01.30	-0.3	LBF	91.38	317	eP	54	19.20	0.9
	sP					4.6	ASH	51.09	320	eP	50	15.00	-0.9		1.1s	11.70nm			5.2mb	
HYB	24.49	311	eP	46	33.50	1.5	MAT	51.27	42	(P)	50	17.00	-0.4	LOR	91.44	317	eP	54	18.30	-0.3
SHL	24.58	348	iP	46	33.00	0.0		1.5s	27.78nm			5.0mb		1.2s	15.75nm			5.3mb		
			eS	50	50.40		MDJ	51.48	29	Pc	50	18.90	0.2	SMF	91.49	317	eP	54	18.60	-0.2
GYA	26.36	19	iPc	46	49.00	-0.6		0.8s	52.00nm			5.6mb		0.9s	10.00nm			5.2mb		
	1.0s	89.00nm				5.3mb		eS		57	35.00		SSF	91.69	317	eP	54</			

				PP	33	53.00	
				ScS	41	27.00	
TIY		55.81	324	eP	31	47.30	3.1X
	Z	22s		5.17um			5.6Msz
	N	19s		1.57um			
	E	21s		3.36um			
				pP	31	54.00	22km
				sS	39	45.00	
CD2		57.42	313	P	31	56.70	0.9
	Z	19s		1.87um			5.2Msz
	E	16s		1.40um			
				eS	39	46.50	
HON		57.88	60	P	32	10.00	10.9X
	Z	21s		2.82um			5.3Msz
HHC		58.45	326	Pc	32	00.00	-2.9
	Z	20s		3.86um			5.5Msz
	N	19s		1.78um			
	E	18s		1.17um			
				eS	40	02.00	
PET		59.33	6	eP	32	08.00	-0.6
				e	34	20.00	722kmX
				ePPP	35	50.00	
				eS	40	28.00	
LZH		60.18	318	eP	32	12.00	-3.0X
		2.0s		50.00nm			5.3mb
	Z	22s		2.34um			5.3Msz
	E	20s		1.92um			
				PP	34	30.00	
				eS	40	26.00	
				sS	40	39.00	
DRV		60.88	184	eP	32	33.00	13.9X
				S	40	42.00	
				SS	44	57.00	
SMY		62.08	16	P	32	40.00	12.6X
	Z	20s		4.17um			5.6Msz
SHL		64.50	302	eP	32	44.50	0.4
				eS	41	18.00	
GTA		64.67	319	eP	32	45.00	0.1
		2.0s		20.00nm			4.9mb
	Z	24s		2.16um			5.3MszX
	N	16s		0.50um			
				pP	32	53.00	26km
				sP	32	56.50	
LSA		66.61	306	Pd	33	01.40	3.5X
	Z	22s		1.33um			5.1Msz
ZAK		69.11	330	eP	33	12.00	-0.5
		1.0s		11.00nm			4.9mb
	Z	18s		1.44um			5.3Msz
	N	17s		0.59um			
	E	17s		0.99um			
				e	35	50.00	
				eS	42	16.00	
YAK		69.66	350	ePc	33	15.10	-0.6
		2.0s		86.00nm			5.5mb
GUN		70.34	302	P	33	18.00	-3.0X
		0.6s		41.00nm			5.7mb
KKN		70.81	302	P	33	23.20	-0.5
		0.7s		25.00nm			5.4mb
DMN		70.90	302	P	33	23.60	-0.7
		0.6s		28.00nm			5.5mb
HYB		74.20	290	eP	33	44.00	0.4
WMQ		74.75	318	eP	33	44.00	-2.4
		1.0s		14.00nm			4.9mb
	Z	22s		1.43um			5.2Msz
ILT		77.06	12	eP	33	56.00	-2.8
				i	34	12.00	57kmX
				eS	43	52.00	
				e	44	00.00	
				ePS	44	32.00	
NDI		77.89	301	eP	34	02.50	-1.8
PAF		78.71	221	eP	34	24.00	15.7X
				eS	44	12.00	
				eSS	49	13.00	
SLKM		81.04	26	eP	34	20.80	0.2
PMR		82.04	25	P	34	40.00	14.3X
	Z	19s		1.32um			5.3Msz
MAW							

13d 05h

YBH	92.04	48 eP	35 23.52	8.6X		PAG	147.50	70 ePKP	41 54.10		S	52 04.30				
Z	20s	2.10um		5.6Msz		MGG	147.87	70 ePKP	41 51.60	3.2X	PAHZ	0.64 296 P	51 49.20 1.3			
		eLQ	00 38.52			DEG	147.87	70 ePKP	41 52.03	3.1X	NOZ	0.91 141 P	51 51.10 1.2			
		eLR	04 28.52			BAO	148.01	69 ePKP	41 51.12	1.9	TTH	1.43 110 P	51 55.00 0.3			
WDC	92.05	50 F	35 20.00	5.1X			152.08	141 PKPd	41 57.00	1.5	PUZ	1.44 164 P	51 56.50 1.7			
Z	21s	2.44um		5.6Msz				i	42 03.90			1.53 88 P	51 54.40 -1.4			
WDC	92.05	50 eP	35 14.21	-0.7				i	42 15.00		eS	52 16.10				
Z	21s	2.40um		5.6Msz		TIC	155.08	273 PKP	41 58.29	-1.3	WAHZ	1.54 179 P	51 57.60 1.6			
		eLQ	00 38.21				1.0s	13.50nm			HBZ	1.66 71 P	51 55.80 -1.4			
		eLR	04 28.21			LIC	155.08	272 PKP	41 58.27	-1.3	TEHZ	1.87 168 P	52 00.70 1.1			
SAO	92.51	53 P	35 30.00	12.9X		Z	21s	7.75um		6.5MszX	BSZ	1.97 213 eP	52 02.60 1.9			
Z	19s	1.79um		5.5Msz			S.D. = 1.2	on 97 of 140 obs.			PGZ	2.46 181 P	52 07.20 0.6			
CMB	93.47	52 eP	35 27.63	6.1X							MNG	2.55 195 P	52 08.00 0.3			
Z	22s	1.40um		5.4Msz			SEP 13, 1993	05h 25m 10.56± 1.12s				eS	52 40.10			
		eLQ	00 42.63				66.290 N ± 8.3km	6.017 E ±12.8km			KIW	2.92 201 P	52 12.10 -0.3			
		eLR	05 02.63				DEPTH = 10.0km	(geophysicist)			MTW	3.07 192 P	52 13.70 -0.6			
ISA	94.81	55 P	35 40.00	12.2X		NORWEGIAN SEA				(642)	CAW	3.11 198 P	52 14.40 -0.4			
Z	20s	2.53um		5.7Msz		MD 3.9 (BER).					DIW	3.23 214 P	52 15.90 -0.6			
NEW	96.47	42 P	35 40.00	4.9X							BLW	3.28 191 P	52 16.30 -0.7			
Z	21s	5.47um		6.0Msz		LOF	3.46	54 eP	26 05.16	-0.4	MRW	3.32 202 P	52 16.70 -0.9			
NVL	98.40	193 eP	35 45.00	1.7				eS	26 44.26			eS	52 56.80			
		e	39 48.00			FOO	4.73	186 eP	26 24.00	0.4	MOW	3.37 194 P	52 17.20 -1.0			
		eLQ	16 00.00					eS	27 14.16		TCW	3.44 207 P	52 18.30 -0.8			
TUC	101.07	58 Pdfff	36 10.00	13.7X		HYA	5.15	179 eP	26 29.91	0.5	KHZ	4.76 206 P	52 34.70 -1.9			
Z	21s	1.84um		5.6Msz				eS	27 27.39		MQZ	6.20 205 P	52 52.10 -3.8X			
GLD	105.29	51 PKP	40 40.00	10.8X		ASK	5.84	184 eP	26 38.72	-0.5		S	53 59.70			
Z	19s	1.77um		5.6Msz				eS	27 40.35			S.D. = 1.2	on 21 of 22 obs.			
RSSD	105.72	46 PKP	40 40.00	10.1X				eP	27 40.44							
Z	19s	1.44um		5.5Msz		TRO	5.90	50 eP	26 41.00	1.0	& SEP 13, 1993	05h 56m 31.85s				
OBN	108.19	326 (Pdfff)	36 21.00	-6.3X				eS	27 45.00		62.154 N	153.096 W				
Z	20s	1.20um		5.5Msz		BER	5.94	183 eP	26 40.16	-0.4	DEPTH =	0.0km				
N	20s	0.70um						eS	27 42.25		CENTRAL ALASKA		(1)			
E	22s	1.10um				EGD	6.05	184 eP	26 41.81	-0.4	<AEIC>. ML 2.5 (AEIC).					
		e	47 10.00					eS	27 46.18		NCG	0.88 149 eP	56 48.85 -0.5			
		ePS	50 10.00			NRA0	6.10	154 Pn	26 43.39	0.6		eS	57 01.36			
		eSS	56 28.00					Sn	27 51.39		BGL	0.95 159 eP	56 49.84 -1.1			
UYO	114.55	55 iPKPc	40 46.20	-0.5				Lg	28 04.09			eS	57 03.59			
MIAR	115.20	55 ePKP	40 47.22	-0.7		ODD1	6.41	177 eP	26 47.48	0.2	CP2	0.98 155 eP	56 50.71 -0.8			
FVM	116.96	50 PKP	41 00.00	8.8X				eS	27 55.69			eS	57 05.23			
Z	19s	2.45um		5.8Msz		BLS5	6.90	178 eP	26 54.76	0.6		eP	56 50.79 -0.9			
NB2	117.09	339 PKP	40 49.60	-1.2				eS	28 07.81		CGLM	1.00 148 eP	57 05.03			
	0.5s	0.80nm				HFS	7.08	147 eP	26 58.90	2.2X		eS	56 50.39 -1.4			
ELC	118.05	51 ePKP	40 52.33	-1.0			0.2s	10.40nm		5.6mb	CRP	1.00 153 eP	56 51.93 -0.4			
GBTN	122.38	51 ePKP	41 00.74	-0.9		KMY	7.11	183 eP	26 56.31	-0.8	CKL	1.03 159 eP	56 53.27 1.0			
MYNC	122.63	52 ePKP	41 01.16	-0.9				eS	28 11.03		CKN	1.03 155 eP	56 52.26 -0.3			
GEC2	123.58	327 ePKP	41 01.80	-1.8		ARA0	8.01	57 Pn	27 09.08	-0.6	CKT	1.05 156 eP	56 53.02 -0.4			
	0.7s	3.90nm						Sn	28 37.40		SPU	1.10 153 eP	57 08.44			
		ePKP	41 13.90					Lg	29 08.20			eS	56 53.62 -0.9			
GRF	124.40	329 ePKP	41 06.00	0.9		KAF	9.76	106 iP	27 34.00	0.1	BKG	1.16 160 eP	56 56.72 -0.5			
Z	23s	1.00um		5.4MszX			0.5s	15.80nm		5.7mb		eS	57 10.92			
VBY	124.49	323 ePKP	41 05.00	-0.4				eS	29 18.20		SUA	1.31 121 eP	56 57.28 -0.3			
		ipP'df41	15.40			NUR	10.14	116 iP	27 38.50	-0.5	CUT	1.35 78 eP	57 15.80			
RSNY	125.53	38 ePKP	41 08.15	0.7				eS	29 26.00			eS	56 57.08 -3.9			
Z	20s	1.23um		5.6Msz		GEC2	17.95	163 P	29 23.79	2.3X	TTA	1.56 301 eP	57 00.48 -0.8			
WTTA	125.62	326 iPKPc	41 07.70	-0.1		OBN	18.46	113 eP	29 37.00	9.3X	DFR	1.58 173 eP	57 22.88			
CEH	126.23	49 ePKP	41 08.56	-0.5			S.D. = 0.6	on 14 of 17 obs.				eS	56 59.03 -2.5			
CDF	127.23	329 ePKP	41 12.90	2.2		% SEP 13, 1993	05h 49m 58.03± 0.56s				SVW	1.60 230 eP	57 00.86 -0.7			
	1.1s	8.05nm					40.512 N ± 4.8km	23.489 E ± 5.2km			NCT	1.60 177 eP	57 22.77			
BSF	127.85	329 ePKP	41 11.30	-0.6			DEPTH = 10.0km	(geophysicist)			PWA	1.60 107 eP	57 01.92 -0.6			
	1.7s	61.75nm				GREECE				(364)	RDT	1.62 168 eP	57 24.04			
HAU	127.96	330 ePKP	41 11.50	-0.5		ML 2.3 (THE).					REF	1.68 173 eP	57 25.84			
	1.4s	30.50nm										eS	57 25.84			
HRV	128.45	39 PKP	41 20.00	6.9X		SOH	0.33	342 iPg	50 04.98	0.2	RDW	1.68 175 eP	57 02.29 -0.6			
Z	20s	1.04um		5.5Msz				eSg	50 09.58		KTH	1.72 34 eP	57 03.41 -0.3			
LOR	129.70	330 ePKP	41 15.40	0.1		OUR	0.42	115 ePg	50 06.74	0.2		eS	57 26.98			
SSF	130.02	330 ePKP	41 15.90	0.0				eSg	50 12.22			eP	57 04.42 0.0			
	1.3s	27.80nm				THE	0.42	287 iPg	50 06.66	0.1	TRF	1.83 44 eP	57 04.32 -0.7			
NNA	130.17	111 ePKP	41 17.50	0.3				eSg	50 12.74		PMS	1.92 117 P	57 05.90 -0.2			
	0.9s	10.08nm				PAIG	0.60	166 ePg	50 10.02	-0.2	PLRM	1.96 105 eP	57 06.24 -0.4			
TCF	131.19	330 ePKP	41 19.00	0.8				iSg	50 10.98		PMR	1.96 105 eP	57 05.89 -0.8			
	1.0s	16.00nm				SRS	0.61	7 iPg	50 10.14	-0.2	SLKM	2.16 139 eP	57 10.09 0.5			
LPO	132.84	330 ePKP	41 21.80	0.4				eSg	50 19.74		SML	2.28 97 eP	57 09.24 -2.1			
	1.1s	19.05nm				KNT	0.79	326 iPg	50 13.01	-0.4	RND	2.32 55 eP	57 11.95 -0.1			
CNCB	136.18	122 ePKP	41 18.00	-11.2X				eSg	50 24.26		FBA	3.64 38 (P)	57 26.55 -4.0			
		e	45 03.00				S.D. = 0.3	on 8 of 8 obs.				31 obs. associated				
LPB	136.21	121 PKP	41 19.00	-10.1X			% SEP 13, 1993	05h 51m 25.58± 0.95s			* SEP 13, 1993	06h 35m 35.80± 0.87s				
LPaz	136.29	121 PKP	41 17.40	-12.1X				38.153 S ±11.5km	176.319 E ±10.8km			6.115 S ±15.2km	149.680 E ±16.8km			
CCH	137.45	124 PKP	41 27.50	-3.8X		LIT	0.87	242 ePg	50 26.14	-0.1		DEPTH = 33.0km	(normal)			
SDV	139.72	83 ePKP	41 28.50	-6.9X		GRG	0.94	299 iPg	50 16.26	0.3		4.3mb (4 obs.)				
TOV	140.52	82 ePKP	41 29.50	-7.2X				eSg	50 28.38			NEW BRITAIN REGION, P.N.G.	(192)			
MORO	141.91	80 iPKPd	41 33.40	-5.8X								ML 4.7 (PMG).				
SIV	142.30	126 PKP	41 33.70	-6.0X												
CAR	143.30	81 ePKP	41 36.00	-5.6X												
OLLA	143.45	81 iPKP	41 38.50	-3.3X												
RSTA	144.32	150 ePKP	41 40.60	-2.3												
PPD	145.18	144 ePKP	41 43.50	-1.0												
		e	41 44.80			URZ	0.63	100 Pc	51 47.80	0.0	RAB	3.12 52 iPd	36 25.00 1.1			

13d 06h

PMG 0.4s 2508.48nm 36 42.00 4.0X
 4.12 217 iPd 36 42.00 4.0X
 eS 37 30.00
 WB2 20.27 226 eP 40 11.90 0.4
 0.4s 45.50nm 5.2mb
 i 40 20.50
 eS 43 51.00
 BRS 21.36 172 iPc 40 22.00 -0.7
 1.0s 8.50nm 4.1mb
 DZM 22.67 136 iPc 40 35.30 -0.5
 ASPA 23.13 219 iPc 40 43.30 3.1X
 0.5s 8.60nm 4.5mb
 Z 21s 0.20um 3.5MsZ
 eS 44 51.80
 STK 26.73 195 iPc 41 16.20 2.0
 1.4s 3.10nm 3.7mb
 GEC2 123.49 327 ePKPc 54 31.10 -0.4
 0.8s 1.21nm
 BAO 131.34 271 iPKPc 54 47.00 -0.5
 0.8s 7.00nm
 PPD 145.28 144 ePKP 55 11.30 -1.4
 S.D. = 1.3 on 8 of 10 obs.

* SEP 13, 1993 07h 01m 50.38± 1.02s
 40.749 N ± 8.4km 19.978 E ± 8.8km
 DEPTH = 10.0km (geophysicist)
 ALBANIA (391)
 ML 2.7 (THE).

TPE 0.45 177 ePg 02 02.00 2.4
 VLO 0.46 233 ePg 01 58.00 -1.8
 TIR 0.60 352 ePg 02 04.00 1.4
 iSg 02 11.70
 OHR 0.72 60 iPg 02 03.00 -1.6
 0.4s 130.00nm
 iSg 02 12.00
 LSK 0.76 141 ePg 02 03.90 -1.5
 LACI 0.91 347 ePg 02 10.50 2.8X
 FNA 1.06 88 iPg 02 09.98 -0.5
 eSg 02 23.72
 IGT 1.25 167 iPb 02 19.36 5.8X
 iSb 02 37.90
 GRG 1.85 83 ePb 02 23.04 0.6
 eSb 02 46.24
 LIT 2.02 108 ePn 02 26.00 1.0
 eSn 02 54.20
 KNT 2.25 78 iPn 02 28.01 -0.2
 S.D. = 1.7 on 9 of 11 obs.

% SEP 13, 1993 07h 08m 36.57± 0.88s
 39.225 N ± 7.0km 27.764 E ± 8.2km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).

DST 0.77 60 ePg 08 51.80 0.2
 eSg 09 03.80
 IZM 0.91 206 ePn 08 54.00 -0.1
 KCT 1.12 24 iPn 08 58.00 0.4
 BNT 1.14 6 ePn 08 57.10 -0.7
 EZN 1.26 299 iPn 09 00.30 0.3
 KGT 1.28 344 iPn 09 01.10 0.9
 MFT 1.60 347 ePn 09 04.00 -1.1
 S.D. = 0.8 on 7 of 7 obs.

% SEP 13, 1993 07h 56m 14.72± 0.76s
 39.134 N ± 5.9km 27.610 E ± 7.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

IZM 0.78 200 ePg 56 29.80 -0.2
 eSg 56 42.00
 DST 0.92 59 ePn 56 32.80 0.5
 EZN 1.21 305 iPn 56 37.80 0.6
 EDC 1.23 9 ePn 56 37.90 0.4
 BNT 1.24 11 ePn 56 37.10 -0.7
 KCT 1.25 27 iPn 56 38.00 0.0
 KGT 1.34 350 iPn 56 39.10 -0.2
 MFT 1.67 351 ePn 56 44.00 -0.2
 S.D. = 0.5 on 8 of 8 obs.

% SEP 13, 1993 08h 05m 52.14± 0.88s
 39.088 N ± 7.5km 27.598 E ± 9.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

IZM 0.74 201 iPg 06 06.50 -0.1
 eSg 06 17.00
 DST 0.95 57 ePn 06 10.70 0.4
 EZN 1.23 307 iPn 06 15.30 0.3
 EDC 1.27 9 ePn 06 15.40 -0.4
 KCT 1.30 27 ePn 06 16.00 -0.2
 S.D. = 0.5 on 5 of 5 obs.

% SEP 13, 1993 08h 08m 44.65± 0.82s
 39.100 N ± 6.7km 27.563 E ± 8.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

IZM 0.74 199 ePg 08 59.00 -0.2
 eSg 09 11.00
 DST 0.97 58 iPn 09 03.70 0.6
 EZN 1.20 308 ePn 09 07.00 0.0
 EDC 1.27 10 ePn 09 08.00 -0.2
 BNT 1.28 12 ePn 09 08.00 -0.5
 KCT 1.30 28 ePn 09 08.00 -0.7
 KGT 1.36 352 iPn 09 10.60 0.9
 S.D. = 0.7 on 7 of 7 obs.

? SEP 13, 1993 08h 11m 38.07± 3.39s
 32.352 S ± 26.8km 177.220 E ± 40.0km
 DEPTH = 33.0km (normal)
 4.8mb (1 obs.)
 NORTH OF NEW ZEALAND (176)

HBZ 5.31 171 eP 12 57.20 0.1
 PUZ 5.77 172 eP 13 02.80 -0.9
 eS 14 04.40
 URZ 5.90 181 eP 13 08.20 2.8
 NOZ 6.29 174 eP 13 10.10 -0.8
 PGZ 8.28 185 eP 13 38.80 0.0
 MNG 8.37 189 eP 13 39.70 -0.3
 CAW 8.91 191 eP 13 46.70 -0.8
 KHZ 10.46 195 eP 14 08.50 -0.3
 WB2 40.17 277 iPc 19 13.00 0.1
 0.3s 5.80nm 4.8mb
 S.D. = 1.3 on 9 of 9 obs.

* SEP 13, 1993 08h 52m 37.23± 1.20s
 46.119 N ± 11.0km 12.386 E ± 8.2km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 3.4 (FUR), 3.3 (VIE). MD 3.0 (LJU).

SCE 1.03 333 iPg 52 56.40 -0.4
 KBA 1.17 34 iPg 52 59.20 0.1
 iSg 53 14.00
 OGA 1.20 309 iPg 52 59.50 -0.3
 iSg 53 16.50
 WTTA 1.26 336 iPg 53 02.00 1.3
 iSg 53 19.00
 WATA 1.34 336 iPg 53 02.30 0.3
 iSg 53 20.50
 SQTA 1.37 324 iPg 53 03.10 0.7
 iSg 53 21.60
 LJU 1.50 92 ePn 53 04.50 0.4
 eSg 53 24.00
 MOTA 1.51 325 iPg 53 03.30 -1.2
 iSg 53 22.80
 RIY 1.60 118 iPn 53 05.60 0.0
 iSn 53 26.60

BHG 1.64 12 iPg 53 08.30 2.1
 FUR 2.18 340 iPg 53 19.00 4.9X
 GEC2 2.87 18 Pn 53 23.60 -0.3
 Pg 53 30.70
 Sn 53 55.60
 Sg 54 06.40

WET 3.05 6 iPd 53 25.90 -0.4
 KHC 3.12 15 ePn 53 24.60 -2.8X
 ePg 53 34.00
 e 54 04.50
 eSg 54 15.50
 e 54 23.00
 PRU 4.13 20 ePn 53 39.60 -2.1
 0.4s 6.80nm
 e 54 03.50
 e 54 18.00
 Sg 54 48.20

S.D. = 1.2 on 13 of 15 obs.

* SEP 13, 1993 09h 17m 25.01± 1.38s

13.885 N ± 18.6km 92.970 W ± 6.7km
 DEPTH = 33.0km (normal)
 4.3mb (2 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)
 MD 4.7 (GCG).

TPX 1.22 34 iPd 17 45.80 -0.1
 iS 18 04.00
 PCG 2.35 77 eP 18 02.00 -0.3
 eS 18 31.79
 IXG 2.46 83 eP 18 04.08 0.2
 GCG 2.46 73 eP 18 04.84 0.9
 eS 18 35.93
 SCX 2.85 6 iP 18 11.00 1.8
 iS 18 49.00
 YUP 3.09 84 eP 18 13.17 0.4
 OXX 4.82 312 iP 18 36.98 -0.3
 (S) 19 21.00

IIT 7.23 316 iP 19 12.55 1.2
 PPM 7.48 314 iP 19 15.50 0.4
 IIA 7.56 315 iP 19 16.75 1.0
 III 7.68 306 iP 19 16.70 -0.9
 MRX 9.77 307 (P) 19 47.14 0.8
 UYO 20.24 356 iPd 21 57.80 -2.4
 MIAR 20.58 359 (P) 22 01.54 -2.2
 0.9s 9.49nm 4.2mb
 TUL 22.08 354 iP 22 22.20 3.3X
 ALQ 24.25 332 eP 22 41.00 0.7
 PV08 28.24 333 eP 23 17.55 0.0
 PV10 28.25 333 (P) 23 17.07 -0.4
 LRM 35.83 337 eP 24 23.70 -0.1
 INK 60.28 344 eP 27 31.50 -0.8
 1.0s 3.00nm 4.4mb
 S.D. = 1.1 on 19 of 20 obs.

* SEP 13, 1993 10h 17m 46.69± 2.17s
 18.220 S ± 10.5km 67.006 W ± 15.9km
 DEPTH = 300.7 ± 30.1 km
 CENTRAL BOLIVIA (120)

CCH 1.18 45 iPc 18 28.70 0.0
 CNCB 1.68 326 iPc 18 32.20 0.1
 S 19 03.80
 LPB 1.98 328 iPc 18 34.40 0.2
 S 19 09.80
 LPAZ 2.20 331 iPc 18 36.00 -0.3
 S 19 10.90
 YJA 4.18 160 ePc 18 55.50 -0.3
 HJA 5.19 163 ePc 19 07.50 0.6
 SIV 6.09 70 P 19 17.80 0.0
 SLA 6.63 168 iPd 19 24.10 -0.2
 S.D. = 0.4 on 8 of 8 obs.

% SEP 13, 1993 10h 18m 15.79± 0.83s
 39.583 N ± 10.1km 29.380 E ± 6.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.9 (ISK).

DST 0.58 272 iPg 18 27.30 -0.3
 eSg 18 36.50
 ALT 0.77 133 ePn 18 31.00 0.0
 GPA 1.00 45 ePn 18 34.70 -0.1
 KCT 1.03 311 iPn 18 35.00 -0.3
 EDC 1.39 304 ePn 18 41.90 0.7
 S.D. = 0.6 on 5 of 5 obs.

* SEP 13, 1993 10h 37m 16.24± 1.16s
 30.074 S ± 13.0km 177.193 W ± 18.1km
 DEPTH = 39.5km (3 depth phases)
 4.6mb (8 obs.) 4.6MsZ (1 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

KHZ 14.40 209 eP 40 37.90 -1.3
 DZM 16.71 295 iPc 41 11.40 2.3
 ODZ 17.75 209 eP 41 21.40 -0.5
 BKM 18.14 310 iPd 41 26.20 -0.7
 BRS 26.44 268 iPc 42 54.50 3.2X
 0.5s 9.00nm 4.6mb
 i 43 05.00 39km
 i 47 46.00
 ARMA 26.90 261 eP 42 56.40 0.8
 TOO 31.73 246 eP 43 38.30 -0.4
 0.7s 11.00nm 4.8mb
 STK 35.23 256 iPd 44 10.30 1.3
 0.9s 4.80nm 4.4mb
 epP 44 21.30 39km

13d 10h

ASPA 43.83 266 eP 45 18.80 -1.6
0.9s 8.20nm 4.5mb
Z 20s 0.80um 4.6Msz
eS 51 57.50
WB2 44.77 271 eP 45 25.10 -3.0X
0.5s 3.50nm 4.5mb
ePp 45 36.60 41km
ePcP 47 31.60
eS 51 19.30
WRA 44.78 271 P 45 26.50 -1.6
0.7s 6.10nm 4.6mb
CSY 55.76 208 iPc 46 52.00 1.0
0.7s 29.40nm 5.4mb
SPA 60.09 180 iPc 47 24.10 2.4
0.8s 3.75nm 4.6mb
NVL 79.24 183 eP 49 22.00 3.7X
DMN 109.45 291 PKP 56 00.00 15.3X
KAF 144.47 341 ePKP 56 44.00 -5.2X
OBN 145.29 326 iPKPd 56 47.50 -3.3X
1.5s 70.00nm
e 56 59.00
NUR 146.24 341 iPKP 56 50.30 -1.9
0.5s 9.80nm
NB2 148.53 352 PKP 56 56.30 0.3
0.9s 9.20nm
HFS 149.06 349 ePKP 56 56.70 -0.1
0.7s 3.10nm
BCAO 150.48 213 iPKPc 57 05.90 5.6X
1.1s 17.00nm
S.D. = 1.5 on 14 of 21 obs.
* SEP 13, 1993 11h 08m 56.35± 0.93s
29.866 S ± 8.9km 179.039 W ± 17.6km
DEPTH = 341.2 ± 10.8 km
3.8mb (1 obs.)
KERMADEC ISLANDS REGION (177)
RAO 1.15 58 iPc 09 41.50 -0.6
S 10 14.00
HBZ 8.02 195 eP 10 53.20 1.9
PUZ 8.49 195 eP 10 57.90 0.9
eS 12 38.70
URZ 8.96 200 eP 11 03.20 0.6
eS 12 49.50
NOZ 9.06 195 eP 11 05.50 1.7
WAHZ 10.51 200 eP 11 21.20 -0.3
PGZ 11.39 198 eP 11 31.10 -0.8
MNG 11.62 201 eP 11 32.40 -2.4
eS 13 45.90
CAW 12.20 202 eP 11 38.00 -3.7X
MRW 12.43 202 eP 11 43.10 -1.3
eS 14 01.90
QRZ 12.91 210 eP 11 50.40 0.2
THZ 13.54 207 eP 11 57.00 -0.9
eS 14 26.90
KHZ 13.88 203 eP 12 00.60 -1.0
eS 14 32.80
LTZ 14.66 206 eP 12 10.10 -0.1
DZM 15.18 297 iPc 12 16.60 0.7
MQZ 15.32 203 eP 12 18.80 1.6
eS 15 02.90
BRS 24.84 269 iPd 13 52.00 1.4
ASPA 42.24 267 eP 16 18.30 -0.5
1.1s 3.30nm 3.5mb X
WB2 43.17 272 eP 16 25.20 -1.0
0.9s 6.00nm 3.8mb
e 17 02.40
WRA 43.18 272 P 16 25.90 -0.4
0.6s 1.90nm 3.5mb X
NB2 148.08 351 PKP 27 59.30 0.3
0.7s 4.00nm
SLL 148.29 348 ePKP 27 59.30 0.0
0.6s 3.70nm
BCAO 149.73 217 iPKPd 28 08.00 5.1X
0.4s 5.00nm
S.D. = 1.2 on 21 of 23 obs.
? SEP 13, 1993 11h 33m 41.98± 0.91s
39.640 N ± 9.2km 29.477 E ± 7.8km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).
DST 0.66 267 ePg 33 55.00 -0.1
eSg 34 05.00
ALT 0.76 140 ePg 33 57.00 0.0
KCT 1.05 306 ePn 34 02.00 0.1

EYL 1.06 29 ePn 34 02.00 -0.1
S.D. = 0.2 on 4 of 4 obs.

SEP 13, 1993 12h 37m 51.93± 0.18s
29.492 S ± 5.6km 177.136 W ± 4.2km
DEPTH = 19.7km (geophysicist)
5.8mb (68 obs.) 6.2Msz (45 obs.)
KERMADEC ISLANDS, NEW ZEALAND (178)
Mw 6.3 (GS), 6.3 (HRV). Ms 6.3
(BRK). Mo=3.8*10**18 Nm (PPT).
Felt (IV) on Raoul Island. Depth
from broadband displacement
seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=67 Slip= 90
NP2: 195 23 90
Principal Axes:
T Plg=68 Azm=285
P 22 105
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 3.1±0.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 27
Moment Tensor; Scale 10**18 Nm
Mrr= 2.17 Mtt= 0.71
Mff=-2.87 Mrt= 0.33
Mrf= 1.44 Mtf=-0.71
Principal axes:
T Val= 2.56 Plg=75 Azm=288
N 0.84 2 191
P -3.40 15 101
Best Double Couple:Mo=3.0*10**18
NP1:Strike=189 Dip=30 Slip= 87
NP2: 12 60 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 52S, **C M.W.: 6S, 9C
Centroid Location:
Origin Time 12:38: 0.2 0.1
Lat 29.31S 0.02 Lon 176.92W 0.01
Dep 15.0 BDY Half-duration 3.3
Moment Tensor; Scale 10**18 Nm
Mrr= 1.49 0.02 Mtt= 0.05 0.02
Mff=-1.53 0.03 Mrt= 0.46 0.06
Mrf= 2.49 0.07 Mtf=-0.50 0.02
Principal Axes:
T Val= 2.90 Plg=61 Azm=277
N 0.18 3 12
P -3.08 29 104
Best Double Couple:Mo=3.0*10**18
NP1:Strike=203 Dip=16 Slip= 101
NP2: 11 74 87
RAO 0.72 289 iPc 38 10.30 4.6X
HBZ 8.94 204 eP 39 57.90 -5.0X
PUZ 9.38 203 eP 40 02.00 -7.0X
eS 41 48.40
KUZ 9.39 218 eP 40 09.70 0.6
OUZ 9.70 232 eP 40 17.10 3.7X
NOZ 9.94 202 eP 40 10.60 -6.2X
URZ 9.96 207 eP 40 10.30 -6.8X
eS 42 02.90
WLZ 10.31 214 eP 40 24.30 2.4
MNG 12.63 207 eP 40 45.40 -7.9X
eS 43 03.50
CAW 13.22 207 eP 40 51.50 -9.5X
MRW 13.46 207 eP 40 57.70 -6.6X
eS 43 18.70
SNZO 13.53 207 P 41 03.00 -2.1
S 43 21.00
TCW 13.62 209 eP 40 58.70 -7.7X
THZ 14.67 211 eP 41 15.50 -4.6X
eS 43 51.90
KHZ 14.93 208 eP 41 15.30 -8.2X
eS 43 53.00
MQZ 16.37 207 eP 41 33.90 -8.1X
S 44 26.70
DZM 16.52 293 iPc 41 48.20 4.0X
iS 45 06.80
WVZ 16.69 212 eP 41 41.30 -4.8X
RAR 17.71 66 eP 41 53.51 -5.5X

1.2s 289.02nm 5.3mb
PVC 17.72 308 iP 42 04.00 4.9X
BKM 17.81 308 iPc 42 03.20 2.8
iS 45 34.30
LMZ 17.87 214 eP 41 55.90 -5.0X
ODZ 18.28 209 eP 42 02.10 -3.9X
BRS 26.51 267 iPc+ 43 30.50 0.5
1.0s 67.00nm 5.2mb
i 43 33.00 9kmX
i 43 42.00
i 43 46.00
i 44 03.50
e 46 12.00
eS 48 30.00
ARMA 27.04 260 iPd 43 37.50 2.5
1.0s 141.00nm 5.6mb
RIV 27.27 253 eP+ 43 40.40 3.5X
Z 18s 0.27um 3.9MszX
ePp 44 33.00
eS 48 49.00
PAE 27.79 71 iPd 43 40.40 -1.3
1.6s 417.90nm 5.9mb
PPT 27.84 71 iPd 43 40.90 -1.3
1.1s 174.80nm 5.7mb
Z 29s *****um 8.4MszX
PFN 27.98 71 iPd 43 40.80 -2.6
1.5s 411.60nm 6.0mb
TVO 28.00 72 iPd 43 42.30 -1.4
1.6s 813.40nm 6.2mb
CNB 28.79 250 iPc 43 54.10 3.4X
0.9s 41.00nm 5.2mb
e 47 00.90
CAN 29.08 250 eP 43 54.70 1.3
HNR 29.30 308 eP 43 54.00 -1.4
BWA 29.55 251 eP 43 56.40 -1.1
PMO 30.55 68 iPd 44 04.00 -2.5
1.6s 363.20nm 6.0mb
VAH 30.64 69 iPd 44 04.80 -2.5
1.6s 324.60nm 5.9mb
TPT 30.79 68 iPd 44 06.30 -2.3
1.3s 278.00nm 5.9mb
RUV 30.87 69 iPd 44 06.60 -2.7
1.3s 184.80nm 5.8mb
TOO 32.02 245 iPd 44 20.30 1.0
0.8s 134.00nm 5.9mb
ePcP 47 08.90
eScP 51 09.00
CTAO 34.41 277 eP 44 40.14 -0.1
0.7s 84.81nm 5.8mb
STK 35.42 256 iPc 44 49.20 0.4
1.0s 70.30nm 5.5mb
eS 50 28.30
iScP 51 20.00
eScS 55 06.50
ADE 37.52 250 eP 45 07.70 1.3
RAB 38.44 305 e(P) 45 08.00 -6.3X
iS 51 06.00
QIS 40.01 273 eP 45 28.00 0.7
ASPA 43.92 266 iPc 45 58.30 -1.0
1.0s 104.30nm 5.6mb
Z 20s 96.20um 6.7Msz
ePp 47 44.10
eScP 51 38.00
eS 52 23.50
eScS 55 54.70
WB2 44.81 271 iPd 46 05.20 -1.4
0.9s 156.90nm 5.9mb
eS 51 41.00
iScP 51 57.40
WRA 44.82 271 P 46 05.80 -0.9
WB5 44.82 271 iPc 46 05.40 -1.3
ePp 47 54.00
eScP 51 54.70
eS 52 43.80
DRV 45.26 202 iP 46 12.10 2.6
S 53 09.00
SS 56 20.00
FORT 47.01 254 eP 46 22.00 -1.8
0.5s 31.00nm 5.6mb
SBA 49.00 184 iPc 46 42.50 3.9X
MTN 50.59 278 eP 46 50.00 -1.7
KNA 51.36 273 eP 46 56.30 -1.2
MHA 53.46 25 (P) 47 12.41 -0.6
HON 53.78 22 P- 47 27.69 12.4X
Z 19s 6.06um 5.7Msz
S 54 59.08
SS 58 53.67

13d 12h

HON	53.78	22 P	47 20.00	4.7X	Z	19s	15.10um	6.4Msz	MTUM	86.20	43 eP	50 34.20	0.8	
DHH	53.79	22 eP	47 13.58	-1.8			SP	01 03.65	LGPM	86.22	38 eP	50 33.66	0.4	
KIP	53.87	22 (P)	47 14.87	-1.1	SMY	82.23	355 P	50 20.00	7.4X	NJ2	86.23	310 Pc	50 35.00	1.6
RKG	55.18	247 eP	47 24.00	-1.6	Z	19s	15.10um	6.4Msz			1.1s	51.00nm	5.6mb	
NWAO	55.42	249 eP	47 25.30	-2.1	HKC	83.77	300 eP	50 21.90	0.6	Z	18s	3.23um	5.8Msz	
MEEK	56.12	256 eP	47 30.10	-2.4			S	00 38.00		N	18s	4.24um		
CSY	56.29	208 eP	47 32.40	-0.8	BCH	83.83	44 eP	50 22.64	1.1			S	01 00.00	
	1.0s	184.60nm		6.1mb	SSE	84.08	311 iPc	50 22.00	-0.7	PEL	86.60	126 iPd	50 35.50	0.1
GUA	56.31	314 e(P)	47 32.50	-1.4			21.00nm		5.3mb		0.9s	495.80nm		6.7mb
	1.2s	412.50nm		6.3mb	Z	20s	8.70um	6.1Msz				i	50 48.00	41kmX
GUMO	56.38	314 eP	47 31.83	-2.5	N	20s	4.80um			BONR	86.75	43 eP	50 37.27	1.1
	0.9s	166.20nm		6.1mb	E	20s	4.00um			SNG	86.79	280 eP	50 37.50	1.0
MUN	56.51	249 eP	47 33.20	-2.0			S	00 48.00		YBH	86.86	38 eP	50 42.52	6.2X
	0.8s	76.00nm		5.8mb	ABL	84.13	44 eP	50 23.40	0.2	Z	17s	5.00um		6.0MszX
	Z	18s	26.40um	6.4Msz	YSS	84.33	334 iPc+	50 24.50	1.0			eS	01 19.52	
	N	18s	9.70um				230.00nm	6.4mb				eSS	07 06.52	
	E	18s	13.90um		Z	18s	6.00um	6.0Msz				e	10 41.52	
MBL	56.99	263 iPc	47 36.50	-2.3	N	18s	4.40um					eLQ	13 36.52	
	0.5s	24.00nm		5.5mb			eS	00 47.00				eLR	17 37.52	
NANU	60.17	259 iPd	47 59.30	-1.6	BKS	84.42	41 eP	50 28.09	3.9X	LBFM	87.03	38 eP	50 37.51	0.1
	0.5s	15.00nm		5.4mb	Z	18s	17.00um	6.5Msz		TNP	87.48	43 eP	50 40.04	0.4
SPA	60.67	180 iPc	48 04.90	0.9			eS	01 01.09			1.0s	26.39nm		5.5mb
	1.1s	173.21nm		6.1mb			eSS	06 30.09		TUC	87.96	51 eP	50 42.35	0.5
Z	20s	21.26um		6.3Msz			eLQ	12 21.09		Z	18s	201.84nm		6.1mb
		e	56 24.70				eLR	16 30.09				4.02um		5.9Msz
DAV	65.95	294 eP	48 36.00	-3.2X	ARN	84.46	41 eP	50 25.76	1.3			S	01 19.84	
PLP	68.86	297 ePd	48 54.50	-3.1X	PLM	84.62	47 eP	50 27.66	2.1	MDJ	88.31	325 Pc	50 43.90	0.8
TSM	70.66	287 eP	49 08.00	-0.6	SSK	84.65	46 (P)	50 26.75	1.0		1.3s	130.00nm		6.1mb
PPR	73.00	292 ePd	49 26.00	3.5X	PEC	84.78	46 eP	50 28.29	2.1	N	20s	4.33um		
MAW	73.42	200 iPd	49 25.00	0.9			1.5s	70.62nm	5.7mb	E	18s	2.44um		
	1.5s	124.60nm		5.7mb	PET	84.83	346 eP+	50 25.00	-0.9			SKS	01 00.00	
Z	17s	10.00um		6.1MszX			1.2s	80.00nm	5.8mb	WHN	88.40	307 eP	50 45.50	1.6
E	18s	4.80um					e	53 48.00		Z	24s	8.74um		6.1MszX
		eS	58 49.30				ePPP	55 36.00		N	20s	4.81um		
LEM	73.84	271 ePd	49 27.00	-0.7			e	00 48.00		E	18s	4.49um		
	1.5s	222.22nm		6.0mb			eSS	06 30.00				SKS	01 08.00	
CVP	75.27	300 eP	49 40.00	4.4X	GZH	84.84	300 P	50 27.50	0.9			S	01 16.00	
BAG	75.42	299 eP+	49 35.60	-1.1			1.0s	84.00nm	5.9mb	DL2	88.80	317 eP	50 46.30	0.7
KAKJ	76.69	326 eP	49 43.70	0.5	Z	23s	4.63um	5.8MszX			1.0s	89.00nm		6.0mb
CHJJ	77.15	325 P	49 44.90	-0.9	E	16s	2.75um			Z	24s	3.72um		5.7MszX
IIDJ	77.26	324 eP	49 46.00	-0.5			S	00 54.00		N	16s	1.26um		
WKYJ	77.52	321 P	49 49.30	1.3	ISA	85.13	44 eP	50 28.91	1.0	E	18s	3.52um		
MAT	77.93	325 eP	49 49.00	-1.1			1.5s	192.35nm	6.1mb			sP	51 02.00	
	1.0s	30.00nm		5.3mb	Z	18s	8.05um	6.1Msz		KDC	89.34	13 eP	50 46.55	-1.2
Z	20s	3.55um		5.7Msz			S	01 00.25			1.2s	53.40nm		5.7mb
		eS	59 41.00		IPM	85.15	278 ePc	50 27.90	-0.5	SNY	89.58	320 iPc	50 49.90	0.7
KAGJ	78.00	316 eP	49 50.30	-0.3			0.5s	21.00nm	5.6mb			1.4s	180.00nm	6.1mb
NIIJ	78.08	326 eP	49 51.20	0.3	KMPM	85.17	38 eP	50 28.88	0.8	Z	21s	6.14um		6.0Msz
MTMJ	78.17	324 P	49 51.00	-0.5	QIZ	85.29	295 Pc	50 29.00	0.0	N	16s	1.58um		
TKSJ	78.20	320 P	49 51.00	-0.6			N	17s	2.71um	E	17s	2.36um		
OFUJ	78.28	328 eP	49 52.00	0.0			E	17s	1.52um			ss	01 51.00	
TSRJ	78.31	323 eP	49 51.60	-0.6	CMB	85.59	41 eP	50 30.90	0.8	ARUT	89.59	45 eP	50 50.72	1.1
YAMJ	78.32	327 eP	49 52.30	0.1			1.4s	56.02nm	5.6mb	CN2	89.88	322 Pd	50 50.90	0.3
KUMJ	79.00	317 eP	49 55.90	-0.1	Z	18s	10.94um	6.3Msz			1.2s	260.00nm		6.3mb
YONJ	79.41	321 P	49 57.70	-0.6			S	01 11.38		Z	22s	4.49um		5.9Msz
KSI	79.75	272 eP	49 58.00	-2.6	CMB	85.59	41 eP	50 37.63	7.5X	N	18s	1.97um		
		e	50 30.00	126kmX	Z	17s	11.00um	6.3MszX		E	18s	2.74um		
NVL	79.82	183 eP	50 01.00	1.1			eS	01 02.63				SKS	01 16.00	
	1.0s	40.00nm		5.4mb			eLQ	13 07.63		TIA	89.91	312 Pc	50 51.80	0.9
Z	18s	5.50um		5.9Msz			eLR	16 58.63			1.4s	240.00nm		6.2mb
N	18s	5.00um			SDN	85.69	9 eP	50 29.32	-0.8	Z	30s	14.00um		6.2MszX
E	18s	1.50um					1.4s	196.16nm	6.1mb	N	18s	3.69um		
		ePcP	50 12.00		GLA	85.73	48 eP	50 32.75	1.8	BMW	89.95	34 ePc	50 51.40	0.5
		ePPP	53 01.00		GSC	85.92	45 eP	50 32.66	0.8			e	51 00.81	29kmX
		ePPP	55 05.00		ORV	86.00	40 eP	50 31.67	-0.4	ONR	89.97	33 P	50 52.68	1.7
		e	55 40.00		ORV	86.00	40 eP	50 40.67	8.6X	CROR	90.02	36 P	50 52.20	0.8
		eS	00 00.00		Z	18s	10.00um	6.3Msz		SHW	90.23	35 eP	50 53.26	0.9
		eSS	05 00.00				eS	01 03.67		NNT	90.24	284 eP	50 45.30	-7.6X
		eSSS	08 40.00				eSS	06 45.67		MRA	90.47	128 ePd	50 54.10	0.3
SHNJ	79.97	319 eP	50 00.40	-0.8			eLQ	13 21.67		VGB	90.50	36 eP	50 52.23	-1.3
AOMJ	80.06	329 eP	50 02.50	0.9			eLR	17 14.67		ASR	90.52	35 P	50 54.21	0.5
HOOJ	80.27	331 eP	50 04.20	1.5	VLA	86.08	325 eP	50 33.00	0.7	MSU	90.82	45 eP	50 55.78	0.4
KUSJ	80.29	333 eP	50 02.80	0.1			iS	00 56.00				e	51 04.69	28kmX
SNA	80.41	178 iPc	50 04.00	1.0			i	10 15.00		LON	90.83	34 eP	50 54.56	-0.5
	1.0s	40.00nm		5.4mb						GMW	90.92	33 eP	50 55.68	0.4
ADK	81.02	0 eP	50 03.89	-2.5	WDC	86.14	38 eP	50 32.93	0.2					
	1.2s	74.81nm		5.6mb	Z	18s	107.48nm	5.8mb		STW	90.93	33 P	50 56.86	1.5
		e	50 13.11	29kmX			9.97um	6.2Msz		JBO	90.94	36 P	50 56.25	0.7
PAF	81.32	218 eP	50 15.00	6.8X			S	01 08.83		FMW	91.03	34 P	50 56.69	0.6
		eS	00 36.00		WDC	86.14	38 eP	50 42.21	9.5X	LTX	91.27	57 eP	50 57.71	0.2
SAP	81.65	331 eP	50 11.00	1.1	Z	18s	10.00um	6.3Msz		RMW	91.33	34 eP	50 57.52	0.2
ASAJ	81.97	332 eP	50 13.00	1.5			eS	01 16.21		NST	91.45	287 eP	51 01.50	3.2X
QZH	82.06	304 Pc	50 12.00	-0.4			eSS	06 57.21		EBG	91.56	35 P	50 59.10	0.8
Z	24s	6.06um		5.9MszX			eLQ	13 02.21		MCW	91.70	33 eP	50 58.40	-0.5
SMY	82.23	355 P	50 15.57	2.9			eLR	17 24.21		GYA	91.75	299 iPc	51 02.00	2.2
					MEMM	86.18	43 eP	50 32.36	-0.6		1.0s	27.00nm		5.6mb
										Z	26s	3.47um		5.7MszX

N	20s	3.13um				E	23s	3.36um			HRV	120.19	55	PKP	56	50.00	7.0X	
E	20s	1.61um				ILT	97.10	359	iPd	51 23.30	0.2	Z	18s	4.06um			6.1Msz	
		PP	54	40.00			1.6s	75.00nm			6.0mb	KSH	120.40	301	PKP	56	42.00	-1.7
JCW	91.78	33 P	51	00.13	0.8			e	02 00.00			Z	25s	6.20um			6.1MszX	
SVW	91.96	10 eP	50	58.75	-1.1			eSS	09 20.00			N	17s	2.47um				
	1.1s	25.62nm			5.5mb			i	13 00.00			E	18s	3.34um				
WAH2	91.96	35 P	51	01.20	1.1	LPB	97.72	114	eP	51 35.00	7.3X			sPKP	56	57.00		
LNOR	92.02	37 P	51	00.69	0.2			SKS	02 10.00					PP	58	09.00		
SRU	92.20	46 eP	51	01.63	-0.1			LR	23 48.00					PKS	00	18.00		
SLKM	92.35	13 eP	51	01.03	-0.6	LPaZ	97.83	114	P	51 26.70	-1.8			SKS	03	49.00		
CRZF	92.40	211 eP	51	13.00	10.6X			i	51 32.10	17kmX				SKKS	04	57.00		
		ePP	54	56.00				LR	23 54.00			FRU	122.18	304	iPKP	56	47.00	0.2
		eS	01	40.00		LPaZ	97.83	114	Pc	51 32.10	3.6X		2.0s	80.00nm				
		eSS	08	42.00				PP	55 20.60					e	57	02.80		
WTV	92.40	35 P	51	02.49	0.3			SKS	02 09.50					e	58	24.00		
ALQ	92.42	51 eP	51	03.20	0.4			SP	04 20.10					e	01	00.00		
	1.5s	46.00nm			5.7mb			SS	10 02.10					e	03	56.00		
		e	51	12.41	29kmX			LQ	23 42.60					e	08	14.00		
EMUT	92.45	45 eP	51	04.12	1.3	LZH	98.78	306	eP	51 33.00	1.3	SOB1	122.94	126	ePKP	56	49.00	-0.1
HVU	92.46	42 eP	51	03.09	0.3		2.0s	46.00nm			5.7mb	CBM	123.46	51	ePKP	56	48.68	-0.4
DAU	92.54	44 eP	51	03.99	0.6		Z	25s	5.46um		6.0MszX	BUL	124.76	210	iPKPd	56	51.30	-1.3
CP2	92.67	12 eP	51	02.17	-1.2		E	16s	1.02um				1.1s	34.81nm				
CRP	92.69	12 eP	51	01.74	-1.6			sP	51 48.00			LMN	125.58	53	ePKP	56	53.00	-0.3
PV10	92.71	47 eP	51	04.50	0.4			PP	55 40.00			MTD	126.29	215	iPKPc	56	40.00	-15.6X
BJI	92.81	315 eP	51	04.00	-0.1			SKS	02 08.00					i	56	50.90		
	1.2s	65.00nm			5.9mb	RSSD	99.05	44	eP	51 32.50	-0.3	KRI	127.21	213	iPKPd	57	12.50	15.1X
	Z	24s		7.32um	6.1MszX		1.3s	28.88nm			5.7mb	LSZ	129.22	212	iPKPd	57	02.00	0.7
	N	20s		3.32um			Z	19s	11.01um		6.4Msz			i	57	12.30		
		SKS	01	36.00				SKS	02 16.26					i	59	23.00		
PV08	93.07	47 eP	51	06.63	0.7			S	03 16.33					i	00	24.10		
SIT	93.16	21 P	51	20.00	14.6X			SP	04 34.29			KBS	130.32	358	ePKP	57	09.60	8.2X</

NB2	147.96	352 PKP	57 32.90	-0.7			i	58 24.00			0.9s	11.30nm	4.7mb
	1.0s	100.30nm			VKA	158.59 335	(PKP)	57 49.00	0.2	WB2	44.83 271 iPC	21 16.50	-2.7X
UPP	148.03	346 iPKP	57 35.60	1.9			i	58 24.20			0.4s	17.90nm	5.3mb
	1.1s	2400.00nm			KHC	158.75 340	ePKP	57 48.00	-1.0	CSY	55.87 208 iPd	22 43.40	0.9
NAO	148.22	353 PKP	57 35.80	1.8		Z 20s	5.90um		6.4Msz		0.7s	35.90nm	5.5mb
NRAO	148.22	352 iPKPc	57 36.30	2.3		N 22s	2.50um			SPA	60.18 180 iPC	23 15.40	2.3
NREO	148.22	352 iPKPc	57 38.00	4.0X		E 20s	2.50um			MAT	78.33 325 eP	25 01.00	-3.7X
		SKSP	11 24.40				e	58 25.50		NVL	79.33 183 eP	25 10.00	0.4
		SKKS	13 54.30				ePP	02 03.50		KAF	144.40 341 ePKP	32 34.70	-5.2X
HFS	148.50	350 ePKP	57 35.80	1.3	GRF	158.85 345	ePKP	57 49.50	0.4	NUR	146.18 341 iPKP	32 40.80	-2.2
	0.9s	99.40nm			Z 22s	4.00um			6.2Msz		0.6s	20.40nm	
ANN	148.83	309 ePKP	57 40.00	4.6X	GEC2	158.97 340	ePKPd	57 49.00	-0.3	NB2	148.45 352 PKP	32 47.00	0.3
	1.2s	20.00nm				1.3s	6.73nm				0.9s	10.50nm	
	Z 22s	3.00um		6.0Msz			ePKP	58 02.10		UPP	148.50 346 iPKP	32 47.30	0.6
	N 22s	2.50um					e	58 08.20		SLL	148.71 350 ePKP	32 46.80	-0.3
KONO	149.50	353 ePKP	57 36.61	0.6			PKPab	58 25.90			0.5s	4.00nm	
MNK	149.72	331 iPKP	57 33.00	-3.5X			e	58 31.70		BCAO	150.59 213 iPKPd	32 56.30	4.9X
	Z 20s	8.30um		6.5Msz			e	58 35.80			0.5s	15.00nm	
		e	01 11.00		SOP	158.97 334	ePKP	57 49.00	-0.2			id	33 03.90
KMY	150.24	358 ePKP	57 41.96	4.9X	SKO	160.49 315	iPKP	57 50.20	-0.9		S.D. = 1.6	on 20 of 28 obs.	
GAZ	150.42	294 ePKP	57 43.30	5.2X			1.4s	300.00nm					
KVT	150.72	302 iPKP	57 45.00	6.5X				iPKPab	58 34.00		* SEP 13, 1993	13h 14m 25.22± 0.60s	
SIM	150.94	311 ePKP	57 34.00	-4.7X				i	02 15.00			29.840 S ± 8.9km	177.043 W ±12.8km
BCAO	150.99	214 iPKPc	57 39.00	-0.7	KBA	160.64 338	iPKPc	57 50.00	-1.3			DEPTH = 33.0km	(normal)
	1.0s	115.00nm					i	58 33.40				5.3mb (17 obs.)	
		ic	57 45.00				iPP	02 13.50			KERMADEC ISLANDS, NEW ZEALAND	(178)	
		ic	01 22.80		PTJ	160.66 331	ePKP	57 52.40	1.2	URZ	9.70 208 eP	16 42.40	-3.0X
BNN	151.27	298 iPKP	57 46.50	6.9X	WTTA	160.99 341	(PKP)	57 51.80	0.2		eS	17 12.50	
JRDJ	151.65	281 PKPc	57 48.10	7.7X			i	58 35.20			eS	18 32.90	
MASJ	151.69	283 PKPc	57 49.80	9.5X			iPP	02 15.10		MRW	13.19 208 P	17 39.00	6.3X
SALJ	151.74	283 PKPd	57 48.00	7.6X	LJU	161.11 334	ePKP	57 52.50	1.0		S	19 52.00	
SHWJ	151.75	280 PKPd	57 49.20	8.6X	VBY	161.27 332	ePKP	57 52.80	1.1	THZ	14.41 212 eP	17 48.30	-0.5
KAS	152.32	304 ePKP	57 47.00	6.1X			esP'df	58 07.30		KHZ	14.66 209 eP	17 46.80	-5.2X
MUD	152.68	352 iPKP	57 48.10	7.3X	VOY	161.36 335	ePK						

13d 13h

ALQ 1.2s 60.00nm 5.8mb 27 39.80 5.0X
 92.58 51 eP 27 39.80 5.0X
 BJI 1.5s 34.00nm 5.6mb 27 35.50 -1.3
 94.12 311 eP 27 42.60 0.9
 XAN 94.44 307 P 27 44.00 0.8
 FBA 97.15 12 ePc 27 53.00 -1.8
 1.1s 12.50nm 5.4mb 33 23.80 0.4
 BUL 124.50 210 iPKP 33 23.80 0.4
 1.0s 11.00nm
 KRI 126.96 213 iPKP 33 43.90 15.7X
 SDF 139.86 346 ePKP 33 51.00 0.1
 KAF 144.29 341 iPKP 33 54.70 -4.0X
 0.6s 5.60nm
 ERE 144.72 298 iPKP- 33 59.00 -1.3
 PUL 144.84 336 (PKP) 33 57.50 -2.2
 NUR 146.07 341 iPKP 34 01.10 -0.7
 0.6s 51.20nm
 MOL 147.13 356 ePKP 34 02.12 -1.3
 NB2 148.32 352 PKP 34 07.40 1.9
 0.8s 31.70nm
 UPP 148.38 346 iPKP 34 07.20 1.7
 SLL 148.58 350 ePKP 34 07.20 1.3
 0.5s 9.80nm
 KONO 149.85 353 ePKP 34 08.50 0.7
 MNK 150.06 330 ePKP 34 10.00 1.8
 GAZ 150.63 294 ePKP 34 15.30 5.6X
 BCAO 150.75 213 iPKPd 34 11.00 0.4
 0.7s 42.00nm
 id 34 17.00
 id 34 23.90
 KVT 150.97 302 iPKP 34 16.00 5.9X
 BHL 152.01 287 PKP 34 18.00 6.0X
 KAS 152.57 303 ePKP 34 20.80 8.3X
 SPC 156.62 331 ePKP 34 17.20 -0.7
 CLL 157.28 344 iPKP 34 29.00 10.6X
 S.D. = 1.6 on 49 of 63 obs.

% SEP 13, 1993 13h 44m 25.92± 0.80s
 39.109 N ± 6.5km 27.623 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

Izm 0.76 202 ePg 44 40.70 -0.2
 eSg 44 53.00
 DST 0.92 57 ePn 44 43.90 0.3
 EZN 1.23 306 ePn 44 49.40 0.6
 EDC 1.25 8 ePn 44 48.90 -0.3
 BNT 1.27 10 ePn 44 49.00 -0.4
 KCT 1.27 26 ePn 44 50.00 0.5
 KGT 1.36 350 ePn 44 50.50 -0.4
 S.D. = 0.5 on 7 of 7 obs.

SEP 13, 1993 14h 03m 21.08± 0.35s
 29.499 S ± 9.4km 177.078 W ± 7.7km
 DEPTH = 29.6km (2 depth phases)
 5.2mb (22 obs.) 5.6msz (1 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

RAO 0.77 288 iPc 03 37.50 1.7
 is 03 47.90
 HBZ 8.95 204 eP 05 26.10 -5.2X
 FUZ 9.39 203 eP 05 30.60 -6.9X
 es 07 13.90
 OUZ 9.73 232 eP 05 45.80 3.7X
 URZ 9.98 207 eP 05 38.90 -6.6X
 es 07 30.50
 THZ 14.69 211 eP 06 42.40 -6.2X
 KHZ 14.95 208 eP 06 45.00 -6.9X
 DZM 16.57 293 iPd 07 18.60 5.6X
 BKM 17.86 308 iPc 07 31.50 2.5
 ODZ 18.30 209 eP 07 30.50 -3.8X
 MSZ 19.25 214 eP 07 38.60 -7.2X
 BRS 26.56 267 iPc 09 00.20 1.8
 1.0s 16.00nm 4.6mb
 e 09 27.00 126kmX
 ARMA 27.09 260 eP 09 05.40 2.1
 1.0s 31.00nm 4.9mb
 CNB 28.83 250 eP 09 19.20 0.2
 CAN 29.13 250 eP 09 23.40 1.8
 BWA 29.59 251 eP 09 24.70 -1.1
 TOO 32.06 245 iPd 09 48.00 0.5
 0.7s 26.00nm 5.3mb
 e 12 36.30

STK 35.47 256 iPd 10 17.20 0.2
 1.0s 16.80nm 4.9mb
 ADE 37.56 250 e(P) 10 35.00 0.4
 ASPA 43.97 266 eP 11 26.70 -0.8
 0.8s 37.90nm 5.3mb
 Z 20s 7.00um 5.6msz
 es 18 00.20
 WRA 44.87 271 P 11 34.20 -0.7
 0.9s 18.70nm 5.0mb
 CSY 56.31 208 iPc 13 00.50 -0.6
 0.7s 60.00nm 5.7mb
 GUA 56.35 314 eP 13 01.10 -0.9
 1.0s 96.00nm 5.8mb
 GUMO 56.42 314 eP 13 00.90 -1.5
 1.0s 87.00nm 5.7mb
 PJG 56.42 314 eP 13 01.40 -1.0
 MUN 56.56 249 eP 13 00.50 -2.8
 MBL 57.04 263 iPd 13 04.70 -2.2
 0.6s 12.00nm 5.1mb
 SPA 60.66 180 iPc 13 32.60 0.9
 1.0s 79.50nm 5.8mb
 GQP 72.53 298 ePd 14 47.00 -0.5
 MAW 73.43 200 iP 14 53.30 1.4
 1.1s 32.61nm 5.3mb
 LEM 73.89 271 ePd 14 51.50 -4.2X
 CHJJ 77.18 325 P 15 12.70 -1.0
 IIDJ 77.29 324 P 15 14.70 0.3
 MAT 77.97 325 eP 15 17.00 -1.0
 1.1s 11.39nm 4.8mb
 MTMJ 78.20 324 P 15 19.10 -0.3
 NVL 79.82 183 iPd 15 28.00 0.4
 1.2s 30.00nm 5.2mb
 KUSJ 80.32 333 eP 15 30.50 -0.1
 ASAJ 82.00 332 eP 15 40.70 1.3
 YSS 84.36 334 ePc 15 51.50 0.1
 1.0s 80.00nm 5.9mb
 ISA 85.10 44 eP 15 55.95 0.5
 0.8s 4.39nm 4.7mb
 IPM 85.20 278 ePd 15 55.20 -1.2
 QIZ 85.34 295 eP 15 54.00 -2.9
 NJ2 86.27 310 Pc 16 02.00 0.7
 BONR 86.72 43 eP 16 04.30 0.5
 MDJ 88.34 325 eP 16 11.00 0.0
 1.1s 23.00nm 5.4mb
 DL2 88.84 317 eP 16 15.00 1.5
 SNY 89.61 320 Pc 16 16.60 -0.5
 1.2s 32.00nm 5.5mb
 CN2 89.91 322 P 16 18.60 0.2
 1.2s 80.00nm 5.8mb
 epP 16 29.50 34km
 BMW 89.92 34 eP 16 19.46 0.9
 TIA 89.95 312 eP 16 19.90 1.1
 SHW 90.21 35 eP 16 21.22 1.3
 MSU 90.79 45 eP 16 24.40 1.5
 GMW 90.90 33 eP 16 23.52 0.6
 SRU 92.17 46 eP 16 29.81 0.6
 SLKM 92.34 13 eP 16 28.96 -0.4
 CP2 92.67 12 eP 16 29.96 -1.1
 CRP 92.69 12 eP 16 29.81 -1.2
 BJI 92.85 315 eP 16 31.00 -1.0
 1.3s 20.00nm 5.4mb
 TTA 93.64 9 eP 16 35.29 0.0
 1.2s 6.85nm 5.0mb
 TIY 93.87 311 eP 16 37.40 0.5
 XAN 94.21 307 P 16 39.00 0.5
 pP 16 47.00 25km
 sP 16 50.50
 MGMT 94.27 40 eP 16 40.00 1.2
 FBA 96.82 12 eP 16 48.57 -1.1
 1.0s 5.13nm 5.0mb
 LPB 97.67 114 (P) 17 17.00 21.8X
 GTA 103.22 308 ePdiff17 22.00 2.7X
 NRI 118.96 336 ePKP 22 07.00 -0.4
 1.0s 8.00nm
 KSH 120.45 301 ePKP 22 12.00 0.6
 BUL 124.78 210 iPKP 22 20.20 -0.1
 1.0s 12.50nm
 KRI 127.23 213 iPKP 22 40.80 15.7X
 SVE 131.70 321 ePKPc 22 33.00 0.8
 MAIO 132.59 294 ePKP 22 36.00 1.3
 e 26 06.00
 TAB 143.20 295 ePKP 22 51.00 -3.3X
 GRO 143.32 304 iPKPd 22 52.00 -2.1
 1.0s 110.00nm
 KAF 143.96 342 ePKP 22 50.60 -4.0X
 MOS 144.03 327 ePKP 22 52.00 -2.9
 PUL 144.51 336 (PKP) 22 53.50 -2.0

ERE 144.54 299 iPKP- 22 55.00 -1.4
 OBN 144.87 326 iPKPd 22 55.00 -1.3
 1.5s 175.00nm
 i 23 06.50
 NUR 145.73 341 iPKP 22 57.50 -0.1
 0.7s 72.50nm
 MOL 146.78 356 ePKP 22 58.69 -0.6
 NB2 147.98 352 PKP 23 02.40 1.1
 1.0s 44.20nm
 UPP 148.05 346 iPKP 23 03.50 2.2
 HFS 148.51 350 ePKP 23 04.00 1.9
 0.9s 48.90nm
 KONO 149.51 353 ePKP 23 05.50 1.8
 MNK 149.75 331 ePKP 23 07.00 2.8X
 GAZ 150.47 294 ePKP 23 12.30 6.5X
 KVT 150.77 302 iPKP 23 12.50 6.3X
 BCAO 151.02 214 iPKPd 23 07.20 -0.2
 0.9s 68.00nm
 id 23 13.10
 id 23 20.00
 KAS 152.36 304 ePKP 23 11.00 2.4
 UZH 155.80 328 ePKP 23 17.50 4.5X
 1.0s 45.00nm
 e 23 35.10
 MLR 155.87 318 ePKP 23 23.00 9.6X
 e 31 14.50
 KSP 156.43 338 ePKP 23 14.50 0.7
 1.2s 46.00nm
 i 23 42.60
 CLL 156.94 344 ePKP 23 19.00 4.6X
 BRG 157.10 342 ePKP 23 12.50 -2.1
 i 23 26.40
 ZST 158.37 334 e(PKP) 23 24.00 7.8X
 i 23 50.60
 GEC2 158.99 340 ePKP 23 16.60 -0.4
 1.1s 1.53nm
 e 23 53.10
 e 23 57.10
 e 24 08.90
 GEC2 158.99 340 ePKP 23 28.50 11.5X
 0.9s 1.73nm
 e 23 53.10
 e 23 57.10
 e 24 08.90
 SKO 160.53 315 iPKP 23 17.00 -1.7
 1.4s 100.00nm
 iPKPab24 01.20
 OHR 161.41 313 ePKP 23 19.00 -0.7
 iPKPab24 04.80
 S.D. = 1.3 on 76 of 99 obs.

? SEP 13, 1993 14h 04m 48.15± 5.64s
 39.697 N ± 31.1km 29.532 E ± 35.2km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).

IZI 0.64 356 ePg 05 01.00 0.0
 eSg 05 10.00
 DST 0.70 263 ePg 05 02.00 -0.1
 eSg 05 12.30
 KCT 1.06 302 ePn 05 08.00 -0.1
 BNT 1.40 299 ePn 05 14.00 0.3
 S.D. = 0.3 on 4 of 4 obs.

% SEP 13, 1993 14h 09m 25.87± 0.76s
 39.223 N ± 6.0km 27.761 E ± 7.2km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

DST 0.77 60 ePg 09 41.00 0.0
 eSg 09 53.00
 IZM 0.91 205 ePg 09 43.30 0.0
 KCT 1.12 24 iPn 09 47.00 0.1
 EDC 1.13 4 ePn 09 46.90 0.0
 BNT 1.14 6 ePn 09 47.10 -0.1
 EZN 1.26 299 iPn 09 49.40 0.1
 KGT 1.28 344 iPn 09 49.50 0.0
 S.D. = 0.1 on 7 of 7 obs.

SEP 13, 1993 14h 11m 18.58± 0.28s
 29.692 S ± 6.2km 177.108 W ± 7.3km
 DEPTH = 33.0km (normal)
 5.5mb (29 obs.) 5.5msz (3 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)
 Felt (II) on Raoul Island.

13d 14h

RAO	0.83	302	iP	11	35.00	1.2	KSI	79.78	272	eP	23	25.50	0.0	GRO	143.41	304	ePKP	30	48.00	-3.2X
PUZ	9.20	204	eP	13	26.70	-5.4X	SHNJ	80.13	319	eP	23	26.30	-0.5	Z 12s	1.50um					6.0MszX
			eS	15	11.40		AOMJ	80.25	329	eP	23	27.40	0.1	N 12s	1.50um					
OUZ	9.59	233	eP	13	40.60	3.2X	KUSJ	80.47	333	eP	23	27.90	-0.5	KAF	144.13	341	ePKP	30	48.30	-3.5X
URZ	9.80	208	eP	13	35.00	-5.2X	ASAJ	82.16	332	eP	23	37.90	0.7		0.9s	28.10nm				
			eS	15	28.20		SSE	84.23	311	P	23	47.50	-0.6	MOS	144.18	327	ePKP	30	50.00	-2.1
MNG	12.47	207	eP	14	09.80	-6.7X	YSS	84.52	334	iPc	23	49.00	-0.2		e		31	00.00		
MRW	13.30	208	P	14	26.00	-1.5		1.0s	150.00nm			6.1mb		ERE	144.60	299	iPKP+	30	52.00	-1.5
			S	16	49.00		IPM	85.20	278	ePc	23	53.00	-0.4	PUL	144.68	336	(PKP)	30	50.50	-2.3
THZ	14.51	211	eP	14	38.10	-5.3X		0.9s	36.50nm			5.6mb			1.4s	230.00nm				
			eS	17	14.60		QIZ	85.40	295	eP	23	53.50	-0.7		e		31	00.00		
KHZ	14.77	208	eP	14	40.00	-6.7X	NJ2	86.38	310	Pc	23	59.60	0.8	OBN	145.02	326	iPKPc+	30	52.00	-1.5
			eS	17	16.70		TNP	87.61	43	eP	24	06.09	1.2		1.2s	198.00nm				
LTZ	15.61	210	eP	14	53.30	-4.4X		1.0s	6.50nm			4.9mb			i		30	57.00		
WVZ	16.53	213	eP	15	07.80	-1.6	MDJ	88.48	325	Pc	24	09.00	0.3		i		31	03.00		
DZM	16.62	293	iPd	15	16.10	5.3X		1.4s	90.00nm			5.9mb		PYA	145.18	305	iPKPc	30	53.50	-0.7
LMZ	17.72	214	eP	15	20.40	-3.9X		pP		24	22.00	43kmX			1.0s	450.00nm				
BKM	17.96	309	iPc	15	29.40	2.0	DL2	88.96	317	eP	24	11.50	0.5		i		34	12.00		
BWZ	18.05	211	eP	15	26.00	-2.3		1.0s	53.00nm			5.8mb		NUR	145.91	341	ePKP	30	54.70	-0.2
ODZ	18.12	209	eP	15	27.70	-1.5	KDC	89.53	13	eP	24	12.60	-0.7		0.8s	169.90nm				
MSZ	19.08	214	eP	15	38.80	-2.1		1.3s	37.40nm			5.5mb		MOL	146.97	356	ePKP	30	57.33	0.8
TUZ	19.28	209	eP	15	37.60	-5.6X	SNY	89.74	320	Pc	24	14.60	-0.1	SOC	147.64	306	iPKP	31	00.00	1.8
SIZ	20.64	210	eP	15	58.60	0.9		1.4s	96.00nm			5.9mb		NB2	148.16	352	PKP	31	00.90	2.3
BRS	26.52	268	iPc	16	57.00	1.9	CN2	90.05	322	Pd	24	16.00	-0.1		1.0s	64.50nm				
			i	17	10.00			1.3s	190.00nm			6.2mb		UPP	148.23	346	iPKP	31	00.70	2.1
			i	17	19.00		Z 21s	0.76um				5.1Msz		HFS	148.70	350	ePKP	31	01.10	1.7
ARMA	27.03	261	eP	17	02.10	2.3		epP		24	26.00	31kmX			0.9s	65.00nm				
	0.8s	38.00nm			5.1mb		TIA	90.06	312	P	24	17.00	0.7	KONO	149.70	353	ePKP	31	02.50	1.6
CNB	28.74	250	eP	17	18.30	3.1X	GMW	91.07	33	eP	24	20.24	-0.5	MNK	149.90	330	iPKP	31	04.00	2.6
	1.2s	64.00nm			5.2mb		RMW	91.48	34	eP	24	22.61	-0.1		Z 20s	0.90um				5.6Msz
CAN	29.04	250	eP	17	20.40	2.5	NST	91.53	287	eP	24	25.00	1.6	KMY	150.44	358	ePKP	31	06.89	4.9X
BWA	29.51	252	iPd	17	22.40	0.3	GYA	91.87	299	iPc	24	26.00	1.0	GAZ	150.52	294	ePKP	31	09.30	6.4X
TOO	31.96	246	iPd	17	45.20	1.6		1.2s	16.00nm			5.3mb		BCAO	150.84	213	iPKPd	31	04.50	0.4
	0.8s	64.00nm			5.6mb		Z 24s	0.93um			5.1MszX				1.0s	115.00nm				
		i	20	34.00			SLKM	92.54	13	eP	24	25.78	-1.4		id		31	10.80		
STK	35.40	256	iPc	18	14.10	0.7	CP2	92.86	12	eP	24	26.78	-2.1		id		31	17.50		
	1.0s	43.30nm			5.3mb		CRP	92.88	12	eP	24	26.84	-2.1		ic		31	35.20		
		e	24	03.80			BJI	92.97	315	eP	24	30.00	0.5	KVT	150.85	302	iPKP	31	09.50	6.2X
ADE	37.47	250	eP	18	32.30	1.4		1.5s	69.00nm			5.9mb		BHL	151.91	287	PKP	31	11.00	5.8X
QIS	40.04	273	eP	18	53.00	0.5	Z 24s	1.27um			5.3MszX		KAS	152.45	303	ePKP	31	13.50	7.8X	
ASPA	43.93	266	eP	19	24.00	-0.2	PMR	93.74	13	eP	24	31.37	-1.3	OJC	155.85	333	ePKP	31	10.00	0.0
	1.0s	67.10nm			5.4mb			1.3s	20.69nm			5.4mb			e		31	36.30		
Z 20s	10.10um				5.7Msz		TTA	93.83	9	eP	24	32.62	-0.5	UZH	155.95	327	ePKP	31	21.50	11.4X
		eS	25	52.60				1.3s	15.34nm			5.3mb			e		31	38.90		
		eScS	29	22.60			TIY	93.98	311	eP	24	35.20	0.8	SPC	156.47	331	e(PKP)	31	11.80	0.7
WB2	44.84	271	iPd	19	30.40	-1.2	CHTO	94.08	289	eP	24	36.00	0.9		i		31	39.30		
	1.0s	91.00nm			5.6mb		KMI	94.20	296	eP	24	41.00	5.1X	KSP	156.60	338	ePKP	31	11.00	0.0
		eS	26	04.90			XAN	94.30	307	P	24	36.50	0.6		1.2s	82.00nm				
WRA	44.85	271	P	19	27.50	-4.2X		1.4s	21.00nm			5.4mb			e		31	21.80		
	0.9s	35.20nm			5.2mb			pP		24	42.20	18kmX			i		31	40.00		
FORT	46.98	254	eP	19	47.00	-1.4		sP		24	45.30				i		31	59.00		
CSY	56.13	208	eP	20	57.20	0.4	BALM	94.73	16	eP	24	37.70	0.3	CLL	157.12	344	iPKP	31	22.30	10.7X
	0.8s	140.50nm			6.0mb		HHC	96.30	314	eP	24	45.60	0.6	BRG	157.27	342	ePKP	31	10.80	-1.0
GUA	56.47	314	e(P)	20	57.70	-2.1	Z 28s	1.93um			5.4MszX				1.6s	28.00nm				
	0.9s	73.95nm			5.7mb		N 16s	0.36um							i		31	22.70		
MUN	56.47	249	eP	20	58.00	-1.7		SKS		35	23.00		ZST	158.53	333	e(PKP)	31	13.20	-0.1	
GUMO	56.53	314	eP	20	56.30	-4.0X	CD2	96.37	302	P	24	47.80	2.3		i		31	48.20		
	1.1s	84.40nm			5.7mb		FBA	97.01	12	eP	24	47.00	-0.5		e		51	15.80		
MBL	56.99	263	iPd	21	01.70	-1.9		1.0s	9.50nm			5.3mb		KHC	158.94	340	ePKP	31	13.00	-0.8
	0.5s	17.00nm			5.3mb		LPB	97.61	114	eP	24	53.00	1.1		e		31	49.50		
NANU	60.16	260	eP	21	24.00	-1.6	LPBZ	97.72	114	P	24	54.90	2.2	GEC2	159.16	340	ePKP	31	13.90	-0.3
SPA	60.47	180	iPc	21	29.60	2.2	YAK	100.87	337	ePdiff25	03.00	-2.0		1.2s	3.60nm					
	1.1s	91.07nm			5.8mb		GTA	103.32	308	ePdiff25	17.30	0.6		e		31	26.70			
GQP	72.60	298	ePd	22	42.00	-2.9	ZAK	106.15	319	ePdiff25	31.80	3.0X			e		31	30.50		
MAW	73.24	200	iP+	22	49.90	2.1	WMQ	113.40	308	ePKP	29	54.40	-0.3	SKO	160.65	314	ePKP	31	15.00	-0.8
	1.1s	54.35nm			5.5mb		NRI	119.12	336	ePKPc	30	04.00	-0.7		1.4s	190.00nm				
LEM	73.87	271	ePd	22	52.50	-0.1		1.0s	17.00nm							iPKPab31	59.00			
CHJJ	77.33	325	P	23	10.30	-1.2		e		30	14.00		VBV	161.46	332	ePKP	31	17.50	1.0	
IIDJ	77.43	324	P	23	10.80	-1.4	FRU	122.31	304	ePKP	30	12.00	0.3		isPKP	32	14.50			
WKYJ	77.69	321	eP	23	13.90	0.3		2.2s	60.00nm				OHR	161.52	313	iPKP	31	16.50	-0.3	
MAT	78.11	325	(P)	23	14.00	-1.8		e		30	20.60			ipKPab32	01.80					
	1.0s	17.00nm			5.0mb		SOB1	122.81	126	ePKP	30	13.10	-0.3	OGA	161.72	342	ePKP	31	17.60	0.6
NIJ	78.26	326	eP	23	14.90	-1.7	BUL	124.60	210	iPKPd	30	16.90	0.0	PAB	168.51	29	iPKPd	31	25.00	2.2
MTMJ	78.34	324	P	23	16.30	-0.9		1.1s	25.95nm						S.D. = 1.3	on 112 of 140 obs.				
TKSJ	78.37	320	eP	23	17.60	0.3	LMN	125.68	53	ePKP	30	17.00	-1.1							
YONJ	79.58	321	P	23	24.60	0.7	MTD	126.14	215	iPKPd	30	05.80	-14.2X							
NVL	79.62	183	iPc	23	24.00	0.5	KRI	127.05	213	iPKPd	30	37.30	15.5X							
	1.4s	55.00nm			5.4mb		LSZ	129.07	212	iPKPc	30	27.00	1.4							
Z 17s	0.50um				4.9MszX		SVE	131.84	321	iPKPc	30	24.80	-4.7X							
		ePP	26	35.00	</															

13d 14h

BKM 18.15 308 iPc 34 57.50 -0.1
 ARMA 27.26 261 eP 36 30.30 0.5
 TOO 32.17 246 iPc 37 13.30 -0.1
 0.8s 13.00nm 4.9mb
 CSY 56.23 208 eP 40 25.40 0.0
 0.7s 28.80nm 5.4mb
 SPA 60.46 180 iPc 40 54.10 -1.1
 0.9s 3.18nm 4.4mb
 SLKM 92.49 13 eP 43 54.08 -0.8
 KAF 144.22 342 ePKP 50 17.00 -2.9X
 OBN 145.16 326 iPKPd 50 20.00 -1.7
 1.3s 42.00nm
 NUR 146.00 341 ePKP 50 22.10 -0.8
 NB2 148.21 353 PKP 50 28.30 1.8
 0.9s 7.80nm
 HFS 148.75 350 ePKP 50 28.80 1.4
 0.8s 11.60nm
 BCAO 150.96 213 iPKPd 50 33.10 1.0
 0.2s 24.00nm
 ic 50 38.40
 id 50 45.00
 S.D. = 1.3 on 13 of 16 obs.

? SEP 13, 1993 14h 35m 06.96±1.35s
 29.642 S ±32.8km 177.243 W ±24.4km
 DEPTH = 33.0km (normal)
 4.4mb (5 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

STK 35.30 256 eP 42 02.40 1.5
 0.7s 2.20nm 4.2mb
 ASPA 43.81 266 eP 43 11.00 -0.7
 1.2s 6.60nm 4.3mb
 WB2 44.72 271 eP 43 18.20 -0.9
 0.6s 6.90nm 4.7mb
 WRA 44.73 271 P 43 19.40 0.3
 0.9s 1.30nm 3.8mb
 CSY 56.12 208 iPc 44 44.70 -0.4
 0.7s 13.10nm 5.1mb
 NUR 145.82 341 iPKP 54 42.00 -1.1
 NB2 148.10 352 PKP 54 48.20 1.3
 0.8s 3.40nm
 BCAO 150.82 214 ePKPd 54 57.70 5.3X
 0.8s 11.00nm
 ic 55 05.10
 id 55 05.10
 S.D. = 1.3 on 7 of 8 obs.

* SEP 13, 1993 14h 40m 19.77±0.72s
 31.480 S ± 9.8km 68.587 W ±10.9km
 DEPTH = 100.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)

ZON 0.10 230 eP 40 34.60 0.4
 eS 40 44.60
 S 40 43.20
 RTLL 0.18 34 iPd 40 34.50 0.1
 S 40 36.00
 CFA 0.32 113 iPd 40 48.00 1.3
 S 40 48.00
 RTRS 1.51 330 eP 40 46.00 -0.5
 S 41 06.00
 RTPR 2.14 57 eP 40 54.50 -0.1
 S 41 20.00
 RFA 3.28 178 ePd 41 09.60 -0.6
 TCA 3.42 89 iP 41 11.60 -0.5
 (S) 41 48.00
 S.D. = 0.8 on 7 of 7 obs.

? SEP 13, 1993 14h 41m 14.37±2.24s
 30.032 S ±21.6km 177.765 W ±33.6km
 DEPTH = 33.0km (normal)
 4.6mb (3 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

RAO 0.79 350 iPc 41 29.00 0.0
 eS 41 40.00
 BRS 25.94 269 iP 46 44.50 -1.0
 WB2 44.28 272 iPc 49 24.10 1.2
 0.4s 5.20nm 4.7mb
 i 49 29.60
 WRA 44.29 272 P 49 24.90 1.9X
 0.8s 1.60nm 3.9mb
 CSY 55.56 208 eP 50 51.30 2.8X
 0.6s 10.90nm 5.1mb
 NUR 146.04 340 iPKP 00 48.20 -2.7X
 NB2 148.42 352 PKP 00 54.60 -0.2
 0.8s 3.10nm
 S.D. = 1.6 on 4 of 7 obs.

SEP 13, 1993 16h 06m 09.06±0.87s
 39.250 N ± 7.4km 27.696 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.80 64 ePg 06 25.00 0.3
 eSg 06 36.70
 IZM 0.92 202 ePg 06 26.40 -0.2
 KCT 1.12 27 ePn 06 30.00 -0.1
 EZN 1.21 299 ePn 06 32.00 0.5
 KGT 1.24 346 ePn 06 31.50 -0.5
 S.D. = 0.6 on 5 of 5 obs.

SEP 13, 1993 16h 20m 51.51±3.18s
 45.158 S ±10.5km 166.656 E ±26.5km
 DEPTH = 33.0km (normal)
 OFF W. COAST OF S. ISLAND, N.Z. (161)
 ML 3.7 (WEL).

MSZ 1.03 62 P 21 08.30 -1.3
 S 21 21.90
 TLC 1.71 92 P 21 19.60 0.1
 CMCZ 1.85 91 P 21 21.90 0.3
 MHZ 1.86 88 P 21 22.10 0.4
 SBCZ 1.88 89 P 21 22.50 0.5
 LRCZ 1.91 88 P 21 22.80 0.4
 LSCZ 1.92 90 P 21 22.70 0.2
 MSCZ 1.95 89 P 21 23.40 0.4
 SZ 2.00 150 P 21 23.70 0.1
 TUZ 2.24 112 eP 21 26.40 -0.5
 LMZ 2.36 53 eP 21 29.50 0.8
 BWZ 2.38 76 P 21 29.00 0.0
 ODZ 2.83 89 P 21 34.10 -1.2
 S 22 06.40
 S.D. = 0.7 on 13 of 13 obs.

* SEP 13, 1993 16h 33m 54.87±0.79s
 41.664 N ± 6.7km 19.842 E ± 7.9km
 DEPTH = 10.0km (geophysicist)
 ALBANIA (391)
 ML 2.2 (TIR).

LACI 0.10 254 iPg 33 57.00 -0.6
 iSg 34 00.50
 TIR 0.32 177 ePg 34 01.50 0.1
 iSg 34 06.20
 SDA 0.46 327 ePg 34 04.70 0.4
 iSg 34 13.50
 OHR 0.91 127 ePn 34 27.00 14.7X
 SKO 1.23 75 iPg 34 17.50 -0.3
 TPE 1.37 175 ePn 34 20.50 0.5
 S.D. = 0.6 on 5 of 6 obs.

* SEP 13, 1993 16h 45m 42.27±0.69s
 29.730 S ±11.4km 177.100 W ±14.2km
 DEPTH = 33.0km (normal)
 5.0mb (12 obs.) 4.8MsZ (1 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

RAO 0.86 304 iPc 45 58.10 0.2
 iS 46 07.10
 PUZ 9.17 204 eP 47 49.60 -5.7X
 eS 49 36.60
 OUZ 9.58 233 eP 48 08.10 7.2X
 URZ 9.77 208 eP 47 56.90 -6.6X
 eS 49 51.70
 THZ 14.48 211 eP 49 03.10 -3.6X
 eS 51 39.10
 KHZ 14.74 208 eP 49 05.20 -4.8X
 eS 51 42.80
 LTZ 15.58 210 eP 49 18.40 -2.6
 DZM 16.64 293 iPd 49 39.00 4.3X
 BKM 17.98 309 iPc 49 52.00 0.6
 ODZ 18.09 209 eP 49 50.80 -1.8
 BRS 26.53 268 iPc 51 21.00 2.1
 ARMA 27.03 261 eP 51 26.50 3.0
 0.5s 10.00nm 4.7mb
 e 51 36.40
 TOO 31.95 246 eP 52 09.10 1.8
 0.9s 24.00nm 5.1mb
 STK 35.40 256 eP 52 37.30 0.2
 0.9s 11.00nm 4.8mb
 ASPA 43.93 266 eP 53 46.50 -1.5
 0.9s 21.60nm 4.9mb
 Z 21s 1.20um 4.8MsZ

WB2 44.85 271 iPc 53 53.50 -1.9
 0.9s 25.10nm 5.1mb
 WRA 44.86 271 P 53 54.30 -1.2
 1.0s 12.30nm 4.7mb
 CSY 56.10 208 eP 55 20.70 0.5
 0.9s 39.80nm 5.4mb
 SPA 60.43 180 iPc 55 53.00 2.2
 0.8s 8.75nm 4.9mb
 MAT 78.14 325 (P) 57 37.00 -2.7X
 1.0s 8.00nm 4.7mb
 NVL 79.59 183 eP 57 49.00 2.0
 YSS 84.56 334 eP 58 12.00 -1.0
 1.0s 45.00nm 5.6mb
 e 58 25.00

SNY 89.78 320 Pd 58 37.80 -0.7
 CN2 90.08 322 P 58 39.00 -0.9
 1.0s 30.00nm 5.5mb
 TIA 90.09 312 eP 58 39.90 -0.2
 BJI 93.00 315 eP 58 52.00 -1.4
 1.2s 16.00nm 5.3mb
 TIY 94.01 311 eP 58 58.70 0.5
 XAN 94.33 307 eP 59 01.00 1.2
 sP 59 12.00
 BUL 124.57 210 ePKP 04 40.80 0.2
 TAB 143.28 295 ePKP 05 12.00 -3.1X
 KAF 144.17 341 ePKP 05 11.70 -3.9X
 MOS 144.22 327 ePKP 05 12.00 -3.8X
 PUL 144.71 336 (PKP) 05 14.00 -2.5
 1.2s 80.00nm
 OBN 145.05 326 iPKPd 05 15.50 -1.8
 1.3s 52.00nm
 i 05 20.00

PYA 145.21 305 iPKP 05 16.00 -2.0
 1.0s 150.00nm
 NUR 145.94 341 iPKP 05 17.60 -1.0
 0.9s 68.70nm
 NB2 148.20 352 PKP 05 23.90 1.6
 0.9s 16.70nm
 UPP 148.27 346 iPKP 05 23.50 1.2
 HFS 148.74 350 ePKP 05 24.20 1.1
 0.4s 5.80nm
 MNK 149.94 330 ePKP 05 27.00 1.9
 BCAO 150.81 213 ePKPc 05 28.00 0.3
 0.9s 23.00nm
 id 05 33.50
 id 05 40.80

S.D. = 1.6 on 31 of 41 obs.

SEP 13, 1993 18h 44m 37.16±0.15s
 5.575 S ± 2.7km 154.163 E ± 3.9km
 DEPTH = 52.3km (11 depth phases)
 5.3mb (46 obs.)

SOLOMON ISLANDS (193)
 Mw 5.2 (HRV).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 25S, 35C
 Centroid Location:
 Origin Time 18:44:39.6 0.4
 Lat 5.60S 0.04 Lon 154.00E 0.05
 Dep 45.7 3.7 Half-duration 1.1
 Moment Tensor; Scale 10**16 Nm
 Mrr=-5.65 0.22 Mtt=-2.39 0.35
 Mff=-3.26 0.44 Mrt=0.87 0.52
 Mrf=3.17 0.61 Mtf=2.10 0.27
 Principal Axes:
 T Val= 6.90 Plg=69 Azm=296
 N -1.55 18 151
 P -5.35 11 57
 Best Double Couple:Mo=6.1*10**16
 NP1:Strike=126 Dip=37 Slip= 60
 NP2: 342 59 111

RAB 2.42 304 iPc 45 18.50 3.4X
 0.5s 563.38nm
 iS 45 56.00
 KVG 4.47 311 eP 45 48.20 4.2X
 HNR 6.90 124 eP 46 21.00 2.9
 eS 47 46.00
 PMG 7.92 241 iPd 46 32.80 0.4
 YYYY 8.18 265 eP 46 38.40 2.3
 MNDI 10.47 266 eP 47 10.00 2.4
 DZM 20.25 145 iPc 49 10.70 -0.3
 QIS 20.53 222 iPd 49 14.00 0.1
 GUA 21.09 334 eP 49 20.90 1.3
 0.8s 304.48nm 5.7mb
 GUMO 21.16 334 eP 49 21.50 1.3

	0.8s	233.20nm		5.6mb	SSE	48.19	321 P	53	09.00	-5.5X		Z	18s	0.60um		5.0Msz	
PJG	21.16	334 eP	49	21.70	1.5	KUSJ	49.20	351 P	53	23.50	1.5			e	56	50.00	48km
BRS	21.74	183 iP	49	26.50	0.5	MRRJ	49.24	347 P	53	24.30	2.0	PMR	79.83	24 eP	56	40.40	-0.9
	1.0s	17.00nm		4.4mb		QIZ	50.03	300 eP	53	30.00	1.2		0.5s	8.16nm		4.9mb	
		i	49	29.00	9kMx	NJ2	50.30	320 Pd	53	31.70	1.0	IMA	80.74	19 eP	56	45.92	-0.3
MTN	23.84	251 eP	49	47.00	0.4	ASAJ	50.54	349 P	53	32.90	0.6		0.7s	7.83nm		4.7mb	
ARMA	24.83	185 iPc	49	57.10	0.9	YSS	53.34	350 iPd	53	52.00	-1.2	KLU	81.10	25 eP	56	48.18	0.0
	0.5s	83.00nm		5.5mb			0.6s	40.00nm		5.6mb		NDI	81.29	300 iPc	56	48.50	-1.2
ASPA	26.54	225 iPc	50	11.50	-0.6	DL2	53.53	329 eP	53	54.20	-0.6	TOA	81.30	24 eP	56	49.70	0.6
	0.6s	19.20nm		4.9mb		IPM	54.02	280 ePc	53	59.00	0.2	FBA	82.10	21 eP	56	51.61	-1.6
Z	23s	1.00um		4.3MszX		MDJ	54.62	339 eP	54	04.10	1.3		0.8s	19.53nm		5.2mb	
		iPcP	53	35.60			1.0s	12.00nm		4.9mb		BALM	82.42	26 eP	57	16.57	
		eS	54	39.70		SNG	54.91	283 eP	54	05.70	0.4			eS	57	19.42	
		iScS	57	14.40			1.0s	92.00nm		5.8mb		KSH	84.45	310 P	57	08.00	2.1
KNA	26.89	246 eP	50	14.90	-0.4	CN2	55.56	335 eP	54	08.20	-1.4		0.9s	110.00nm		5.9mb	
STK	28.70	203 iPc	50	30.40	-1.1		1.0s	11.00nm		4.8mb				pP	57	23.00	52km
	0.7s	18.30nm		4.8mb		GYA	55.94	307 iPc	54	23.00	55km	SPA	84.46	180 iPc	57	05.60	0.2
		iPcP	53	40.30			1.0s	47.00nm		5.5mb			0.7s	118.75nm		6.1mb	
BWA	29.20	190 iPc	50	35.30	-0.7	LOE	56.58	295 iPc	54	17.00	-0.4	MAW	85.38	203 iP+	57	09.90	0.1
		iP	50	42.80	26kMx	NNT	57.02	289 eP	54	21.40	0.9		0.7s	50.00nm		5.8mb	
CNB	29.92	188 iPc	50	42.60	0.0	BJI	57.29	326 eP	54	20.00	-1.9	FRU	86.13	314 eP	57	15.00	0.9
	0.7s	26.00nm		5.1mb		NST	57.50	292 eP	54	24.00	0.2			e	57	29.80	51km
CAN	29.98	188 iPc	50	43.10	0.1	TIY	57.97	321 eP	54	26.60	-0.3	NRI	86.98	341 eP	57	15.00	-2.6
		iP	50	50.80	27kMx		Z	24s	0.81um	4.8MszX			0.8s	13.00nm		5.2mb	
ADE	32.55	204 eP	51	05.70	0.2	XAN	58.12	316 Pc	54	27.20	-0.7	LGPM	88.35	49 (P)	57	25.35	0.4
TOO	32.82	193 iPd	51	08.10	0.3		1.0s	48.00nm		5.6mb		INK	88.69	21 eP	57	25.50	-0.3
	0.8s	29.00nm		5.2mb		KMI	58.54	304 Pc	54	32.00	0.7		1.3s	19.00nm		5.2mb	
OUZ	34.52	151 P	51	23.40	0.9		1.4s	180.00nm		6.0mb		TNP	92.31	52 eP	57	43.89	0.4
FORT	35.08	221 eP	51	26.00	-1.4			pP	54	46.00	51km		0.8s				

13d 19h

			S	10	13.50					iSn	11	51.75		MOS	1.1s	17.85nm	4.1mb
RDO	1.12	27	iPnc	10	06.30	0.6	NPS	4.92	173	ePn	11	01.00	0.5		17.73	24 eP	13 48.00 -5.1X
EZN	1.16	106	iPn	10	06.50	0.0	BDV	5.03	297	iPnc	11	02.66	0.6	Z	20s	0.60um	
SOH	1.34	301	P	10	09.10	-0.4				iSn	11	57.76		EVIA	21.18	275 eP	14 32.90 0.2
			S	10	25.90		MTUR	5.07	2	eP	11	03.00	0.3	HFS	21.19	344 eP	14 31.20 -1.2
SRS	1.37	315	P	10	09.84	-0.1	CMP	5.12	1	iPd	11	04.00	0.7		0.4s	0.90nm	3.5mb
PRK	1.41	129	ePn	10	10.40	-0.1	NKY	5.15	303	iPnd	11	04.14	0.2	KAF	22.01	2 eP	14 44.30 3.7X
THE	1.53	289	P	10	11.46	-0.8				iSn	11	59.84			0.7s	3.30nm	3.9mb
			S	10	32.32		PLE	5.18	310	iPnd	11	04.26	-0.1	EBAN	22.27	274 eP	14 44.50 1.0
RZN	1.54	356	iPc	10	12.00	-0.5				iSn	12	00.02		NB2	22.55	343 P	14 44.20 -1.9
MMB	1.68	329	iPd	10	14.00	-0.4	BCK	5.21	119	iPn	11	05.10	0.4		0.7s	4.00nm	4.0mb
KNT	1.81	305	P	10	16.08	-0.2	ELL	5.21	129	eP	11	07.00	2.2	ARU	27.34	42 eP	15 33.00 1.5
LIT	1.83	269	P	10	15.21	-1.3	HCY	5.32	298	iPnc	11	07.00	0.8	Z	12s	1.00um	4.6MsZ
KGT	1.88	80	ePn	10	08.50	-8.8X				iSn	12	04.70		E	12s	0.50um	
MFT	1.94	70	ePn	10	18.00	-0.3	MLR	5.40	8	ePc	11	07.00	-0.4	MAIO	27.36	87 eP	15 36.00 3.9X
PLD	1.96	356	iP	10	19.00	0.7	GZR	5.46	344	ePd	11	07.00	-1.2	SVE	28.54	42 ePc	16 02.00 19.6X
DIM	1.96	15	iP	10	18.00	-0.4	BRY	5.49	302	iPnc	11	08.58	-0.1	Z	12s	1.00um	4.6MsZ
GRG	2.05	294	P	10	19.44	-0.3				iSn	12	08.08		N	12s	0.50um	
			S	10	44.32		CFR	5.58	25	eP	11	09.00	-0.8	E	12s	0.70um	
KKB	2.18	322	iPd	10	21.00	-0.7	VRI	5.87	13	iPc	11	14.30	0.4	BCAO	36.01	191 iPd	16 49.80 1.7
AGG	2.26	241	P	10	21.29	-1.6	DEV	5.91	347	ePd	11	15.00	0.6		1.0s	15.00nm	4.8mb
EDC	2.30	84	iPn	10	23.90	0.6	CLI	6.63	15	ePd	11	24.50	-0.2	FRU	36.93	69 eP	17 00.00 4.5X
BNT	2.34	84	iPn	10	26.00	2.1	KAS	6.86	77	ePn	11	43.00	15.0X		2.0s	40.00nm	4.8mb
ATH	2.35	203	ePn	10	22.50	-1.6	PTT	6.87	9	eP	11	27.00	-1.0	NRI	43.71	27 iPd	17 57.00 5.9X
KZN	2.38	275	ePn	10	24.00	-0.5	HVAR	6.99	298	i(P)	11	29.00	-0.8		1.2s	10.00nm	4.5mb
PGB	2.45	348	iP	10	25.00	-0.6	KIS	7.45	22	eP	11	34.00	-2.0	DMN	50.67	85 P	18 49.20 2.5
IZM	2.55	133	iPn	10	26.50	-0.4	ZAG	8.63	314	e(P)	12	01.00	8.4X	KKN	50.71	84 P	18 49.80 2.8X
JMB	2.65	29	iP	10	28.00	-0.3	UZH	8.68	349	eP	12	10.50	17.3X	ZAK	53.70	51 eP	19 08.00 -0.7
KCT	2.67	87	iPn	10	28.00	-0.6	PTJ	8.69	314	eP	11	56.80	3.2X		1.2s	8.00nm	4.6mb
FNA	2.74	284	P	10	29.10	-0.6	VBY	8.86	310	iPn	11	55.50	-0.3	YSS	77.09	38 eP	21 43.50 3.8X
VTs	2.74	333	iPc	10	31.00	1.2				e	12	05.20			S.D. = 1.1 on 94 of 124 obs.		
DMK	2.75	52	iPn	10	29.00	-0.7				iPbPb	12	22.10			-----		
CTT	2.88	69	iPn	10	30.60	-1.0				i	15	10.60			* SEP 13, 1993 19h 37m 09.90± 1.41s		
DST	2.94	99	iPn	10	32.60	0.1	LJU	9.58	311	e(P)	12	03.50	-2.2		10.041 N ±17.0km 94.110 E ±12.8km		
PVL	3.08	6	iP	10	33.00	-1.3				e	12	09.50			DEPTH = 33.0km (normal)		
SKO	3.17	306	iPnd	10	36.00	0.3				e(S)	14	15.00			3.9mb (3 obs.)		
	0.9s	720.00nm					SOP	9.62	324	e(P)	12	12.00	5.8X		ANDAMAN ISLANDS, INDIA (703)		
		iPb	10	40.00			ZST	9.78	328	eP	12	03.60	-4.9X		-----		
		iPg	10	43.50						e	12	48.20		NNT	6.07	65 eP	38 39.70 0.0
		i	10	49.50			TRI	9.86	308	eP	12	12.30	2.8X	KHT	6.43	42 eP	38 44.50 -0.4
		i	10	59.90						e	15	14.50		GUN	19.39	338 P	41 38.00 1.5
		iSn	11	10.50						e	15	36.00		DMN	19.43	335 P	41 35.40 -1.4
		iSg	11	19.00			VOY	9.95	310	eP	12	10.70	-0.2	KKN	19.52	336 P	41 37.40 -0.4
OHR	3.24	289	iPnd	10	36.90	0.1				e	12	23.50		LZH	27.40	17 eP	42 55.40 0.8
	1.3s	1620.00nm					KBA	10.85	313	i(P)	12	26.20	2.9X		1.5s	34.00nm	4.8mb
		iPb	10	41.80						i	12	40.30	5.4mb X		pP	43 04.00	30kmX
		i	11	31.50						i	15	16.20		WRA	49.56	127 P	46 06.30 6.2X
		i	11	35.70						i	15	57.50			0.8s	0.80nm	3.8mb
		Lg	12	00.00			GEC2	11.79	321	ePn	12	40.00	4.1X	WB2	49.57	127 eP	46 00.10 0.0
LSK	3.27	271	iPnd	10	35.90	-1.4				e	12	50.60			2.2s	0.90nm	3.4mb
ITU	3.29	72	ePn	10	46.00	8.6X				e	12	55.90		PMG	56.22	108 eP	47 08.00 18.4X
		iSg	11	32.00			WTTA	11.92	311	iPc	12	24.30	-13.6X		S.D. = 1.1 on 7 of 9 obs.		
ISK	3.32	73	ePn	10	36.50	-1.3				i	12	38.90			-----		
IGT	3.55	261	P	10	42.57	1.5				i	12	39.70			* SEP 13, 1993 20h 05m 48.00± 1.30s		
CIN	3.58	134	iPnd	10	41.00	-0.4				i	12	39.70			10.284 N ±14.3km 94.093 E ±13.9km		
HRT	3.72	78	iPn	10	43.00	-0.6				i	12	39.70			DEPTH = 33.0km (normal)		
TPE	3.72	274	iPnc	10	44.00	0.4	KHC	12.04	322	eP	12	45.50	6.2X		4.4mb (6 obs.)		
VLI	3.75	205	ePn	10	41.40	-2.5				Z	14s	1.50um			ANDAMAN ISLANDS, INDIA (703)		
SRN	3.75	267	ePn	10	44.80	0.9				N	16s	2.30um		NNT	5.99	67 eP	07 19.00 2.3
VLS	3.87	241	ePn	10	45.20	-0.4				E	16s	1.80um		KHT	6.27	44 eP	07 18.30 -2.4
KEK	3.93	265	ePn	10	47.00	0.6								KMI	16.89	28 eP	09 44.50 0.7
TIR	3.99	289	ePn	10	48.00	0.7									1.5s	70.00nm	4.6mb
		iSn	11	36.00			LPG	14.32	298	eP	13	16.80	6.9X	GUN	19.16	337 P	10 12.00 0.1
KHL	4.05	115	iPn	10	48.50	0.3				0.9s	17.05nm	4.7mb	DMN	19.20	335 P	10 13.60 1.3	
EYL	4.06	82	ePn	10	48.00	-0.4	LPL	14.34	298	eP	13	17.20	7.1X	KKN	19.29	336 P	10 14.20 0.9
VLO	4.12	276	ePn	10	50.20	1.0				1.2s	22.30nm	4.7mb	LSA	19.51	352 eP	10 13.80 -2.3	
GPA	4.16	86	iPn	10	51.00	1.2	ERE	15.01	84	eP	13	30.00	11.3X	GYA	20.00	35 iPc	10 20.40 -0.5
LACI	4.18	292	iPnc	10	51.00	0.9	CDF	15.04	309	eP	13	19.20	0.1		1.0s	13.00nm	4.2mb
		iSn	11	38.00						0.6s	4.05nm	4.0mb	CD2	22.40	22 Pc	10 46.40 1.2	
ALT	4.19	103	iPn	10	51.00	0.7	BSF	15.09	307	eP	13	21.60	1.9	LZH	27.17	17 eP	11 30.60 0.0
BCI	4.24	303	ePn	10	50.00	-1.0				0.7s	2.20nm	3.7mb		1.6s	38.00nm	4.8mb	
		iSn	11	33.50		HAU	15.43	307	eP	13	25.00	0.9	GTA	29.45	9 eP	11 50.50 -0.6	
BUC1	4.28	11	eP	11	24.00	32.6X				0.9s	15.90nm	4.3mb		1.5s	8.00nm	4.2mb	
PSN	4.31	34	iP	10	51.00	-0.8				Z	19s	0.50um	5.4MsZ	WRA	49.72	127 P	14 39.50 0.1
BUC	4.36	12	ePd	11	04.00	11.5X	LOR	16.75	302	eP	13	43.80	2.9X		0.7s	1.10nm	4.0mb
PVY	4.42	305	iPnd	10	53.85	0.3.											

13d 20h

Data Used: GDSN
 L.P.B.: 17S, 22C
 Centroid Location:
 Origin Time 20:10:13.4 0.8
 Lat 23.62S 0.10 Lon 176.31W 0.08
 Dep 83.8 7.8 Half-duration 1.0
 Moment Tensor; Scale 10**16 Nm
 Mrr= 1.04 0.47 Mtt= 1.37 0.99
 Mff=-2.41 0.75 Mrt= 2.41 0.43
 Mrf=-6.06 0.34 Mtf=-0.84 0.56
 Principal Axes:
 T Val= 6.72 Plg=48 Azm= 52
 N 0.33 16 160
 P -7.06 38 263
 Best Double Couple: Mo=6.9*10**16
 NP1: Strike= 51 Dip=17 Slip= 162
 NP2: 159 85 74

RAO	5.93	191	eP	11	50.00	9.2X
			eS	13	12.50	
BKM	15.25	289	iPc	13	52.00	6.6X
DZM	15.66	272	iPd	13	54.90	4.4X
WVZ	22.23	205	eP	15	02.80	-0.8
LMZ	23.35	206	eP	15	12.80	-1.7
MSZ	24.68	207	eP	15	28.10	0.7
BRS	27.87	255	iPc	15	55.20	-1.7
	1.0s	15.00nm			4.6mb	
		i	15	57.50		
ARMA	29.07	249	eP	16	10.70	2.9
	0.7s	23.00nm			4.9mb	
CNB	31.76	240	eP	16	32.80	1.4
	0.7s	27.00nm			5.1mb	
CAN	32.05	240	eP	16	35.00	1.1
BWA	32.34	242	eP	16	36.20	-0.2
TOO	35.30	238	iPc	17	02.30	0.4
	0.7s	67.00nm			5.7mb	
PMG	37.28	286	eP	17	19.00	0.4
STK	37.76	248	eP	17	22.40	-0.1
	0.6s	8.90nm			4.9mb	
		ePcP	19	45.00		
ADE	40.34	243	e(P)	17	43.30	-0.7
ASPA	45.15	259	iPc	18	22.40	-0.7
	0.8s	46.40nm			5.4mb	
Z	20s	0.40um			4.3Msz	
		e	20	05.10		
		eScS	27	57.70		
WB2	45.50	265	iPc	18	24.40	-1.5
	0.6s	70.30nm			5.7mb	
		eS	24	59.70		
WRA	45.51	265	P	18	25.10	-0.9
	0.7s	31.70nm			5.3mb	
MHA	47.82	27	eP	18	42.68	-1.3
FORT	49.36	249	eP	18	53.50	-2.4
MTN	50.49	272	eP	19	03.00	-1.7
KNA	51.74	268	eP	19	12.90	-1.3
MBL	58.39	259	iPd	20	00.20	-2.0
	0.5s	20.00nm			5.5mb	
NANU	61.88	256	iPd	20	24.80	-1.2
	0.5s	29.00nm			5.6mb	
CSY	61.90	206	iPc	20	25.40	-0.1
	0.6s	55.70nm			5.8mb	
SPA	66.73	180	iPc	20	57.60	0.5
	0.8s	9.17nm			4.8mb	
LEM	74.25	269	iPd	21	44.50	1.2
BCH	79.16	44	eP	22	10.30	0.1
MAW	79.26	200	iP	22	11.50	1.5
	0.6s	17.44nm			5.1mb	
ABL	79.51	45	eP	22	12.32	0.1
KSI	80.09	270	eP	22	16.00	0.5
		e	23	00.00		
KMPM	80.12	38	eP	22	15.75	0.6
ISA	80.49	45	eP	22	16.83	-0.4
	1.2s	55.90nm			5.3mb	
		epP	22	41.73	95km	
ORV	81.06	40	eP	22	20.04	0.0
WDC	81.13	39	ePd	22	20.45	0.1
	1.6s	71.67nm			5.3mb	
LGPM	81.18	38	eP	22	21.39	0.6
GSC	81.36	46	ePd	22	21.92	0.1
GLA	81.38	48	eP	22	21.69	-0.2
MTUM	81.47	43	eP	22	22.85	0.4
BONR	82.00	43	eP	22	25.26	-0.1
LBFM	82.00	38	eP	22	25.69	0.6
NJ2	82.69	309	Pc	22	31.30	2.7
TNP	82.76	43	eP	22	29.28	0.2
	1.3s	36.82nm			5.1mb	
		epP	22	53.83	93km	

MDJ	83.60	325	eP	22	33.80	0.8
TUC	83.80	51	eP	22	35.00	0.6
	0.9s	65.96nm			5.6mb	
		epP	23	00.11	95km	
BMW	84.67	34	eP	22	38.59	0.2
		epP	23	03.15	92km	
SHW	84.99	35	eP	22	40.56	0.4
CN2	85.35	322	eP	22	41.50	-0.3
	1.0s	8.40nm			4.7mb	
RMW	86.05	34	eP	22	45.17	-0.1
TIA	86.15	312	eP	22	46.80	0.9
MSU	86.24	45	eP	22	47.00	0.4
SLKM	86.34	13	ePc	22	45.15	-1.2
CP2	86.65	12	eP	22	46.76	-1.3
CRP	86.67	12	eP	22	46.33	-1.8
PMR	87.55	13	eP	22	50.36	-1.7
	1.2s	38.21nm			5.3mb	
LTX	87.58	57	eP	22	52.73	-0.4
TTA	87.59	9	ePc	22	52.24	-0.1
	1.1s	17.32nm			5.0mb	
SRU	87.64	45	eP	22	53.00	-0.3
DAU	87.88	44	eP	22	54.28	-0.3
KLU	88.15	14	eP	22	54.63	-0.5
DPW	88.19	35	eP	22	55.55	0.0
PV09	88.23	46	eP	22	56.79	0.5
ALQ	88.25	51	ePd	22	56.51	0.2
	1.5s	51.52nm			5.4mb	
PV08	88.60	47	(P)	22	57.78	-0.3
BALM	88.61	16	eP	22	56.60	-0.8
BJI	88.83	315	eP	23	01.00	2.3
TTY	90.14	311	eP	23	06.80	1.8
LRM	90.16	39	eP	23	05.00	-0.1
BW06	90.23	43	eP	23	04.50	-1.0
	1.0s	9.01nm			4.9mb	
FBA	90.81	12	eP	23	06.13	-1.2
	1.4s	45.65nm			5.5mb	
XAN	90.88	307	P	23	09.50	1.1
	0.6s	6.00nm			5.0mb	
ILT	91.04	359	iPc	23	10.00	1.7
	1.8s	45.00nm			5.4mb	
KMI	91.77	297	Pc	23	16.50	3.5X
	1.0s	20.00nm			5.4mb	
CHTO	92.40	289	eP	23	19.00	3.4X
	1.0s	22.50nm			5.5mb	
RSSD	94.38	44	ePd	23	21.68	-2.8
	1.0s	28.71nm			5.7mb	
		epP	23	45.47	87km	
GUN	106.84	294	PKP	28	38.00	7.0X
KKN	107.31	293	PKP	28	33.40	1.6
DMN	107.40	293	PKP	28	34.20	2.2
CER	121.54	196	iPKPc	29	07.50	9.1X
	0.5s	25.00nm				
SUR	122.07	197	iPKPc	29	13.50	13.8X
	1.0s	80.00nm				
SOB1	125.94	122	(PKP)	29	08.00	0.5
BUL	130.20	212	ePKP	29	15.60	0.0
		i	29	25.20		
MAIO	130.26	298	ePKP	29	22.00	6.8X
MTD	131.45	217	ePKP	29	11.70	-6.3X
KRI	132.48	215	ePKP	29	36.50	16.5X
		i	29	44.70		
KAF	138.28	344	ePKP	29	28.50	-0.9
NB2	142.00	354	PKP	29	30.80	-5.4X
	0.8s	2.30nm				
HFS	142.59	351	ePKP	29	32.00	-5.2X
	0.3s	2.40nm				
MUD	146.71	354	ePKP	29	45.70	1.5
	1.0s	44.00nm				
EKA	147.75	7	PKPd	29	48.50	2.6
	1.0s	17.70nm				
KAS	148.91	312	ePKP	29	53.00	4.7X
CLI	149.93	326	ePKP	29	56.00	6.4X
OJC	150.31	338	ePKP	29	56.00	5.9X
		e	30	01.60		
WIT	150.53	356	ePKP	29	57.50	7.3X
VRI	150.67	326	ePKP	29	56.50	5.7X
UZH	150.69	334	ePKPd	29	57.50	6.8X
	1.0s	62.00nm				
		e	30	28.40		
KSP	150.82	343	iPKPc	29	56.60	5.8X
	0.7s	38.00nm				
		i	30	02.20		
		e	30	20.10		
CLL	151.16	347	iPKPc	29	56.90	5.6X
	0.9s	52.00nm				
		i	30	04.70		
MLR	151.33	326	ePKP	29	58.00	6.1X

WTS	151.33	356	ePKP	29	58.00	6.5X
	0.9s	41.50nm				
PRU	152.06	344	ePKP	29	59.40	6.7X
	0.9s	16.80nm				
		i	30	07.00		
MOX	152.06	349	ePKP	29	59.60	6.9X
	1.4s	24.00nm				
ENN	152.62	356	ePKP	30	01.50	8.1X
	0.9s	8.20nm				
ZST	152.95	340	e(PKP)	30	00.50	6.5X
		i	30	13.40		
GRF	153.05	349	ePKP	30	02.00	7.9X
		e	30	13.40		
KHC	153.09	345	ePKP	30	01.50	7.3X
		e	30	13.50		
GEC2	153.32	345	ePKP	29	53.40	-1.2
	1.0s	1.82nm				
GEC2	153.32	345	ePKP	30	02.70	8.1X
	0.8s	4.83nm				
		e	30	06.00		
		e	30	09.50		
		e	30	14.10		
BCAO	156.11	220	iPKPc	30	09.00	9.7X
	0.9s	23.00nm				
		id	30	17.50		
		ic	30	27.00		

S.D. = 1.2 on 78 of 109 obs.

* SEP 13, 1993 20h 21m 53.01± 0.96s

13d 20h

AEGEAN SEA (365)
MD 3.0 (ATH). ML 2.4 (THE).

OUR	0.65	290	iPg	33	49.88	-0.9
			eSg	33	59.72	
PAIG	0.87	257	iPg	33	53.52	-1.0
			eSg	34	06.44	
RDO	1.18	29	ePg	33	58.20	-1.6
EZN	1.22	103	iPn	33	59.10	-1.5
ALN	1.24	51	iPb	33	59.72	-1.1
			eSb	34	16.88	
SOH	1.29	303	ePb	34	00.65	-1.2
			eSb	34	19.80	
SRS	1.34	318	ePb	34	01.88	-0.7
			eSb	34	21.88	
PRK	1.45	127	ePb	34	03.50	-0.5
THE	1.48	291	ePb	34	05.04	0.6
			eSb	34	24.88	
LIT	1.76	270	ePb	34	08.24	-0.3
			eSb	34	31.48	
KGT	1.96	79	iPn	34	13.00	1.6
GRG	2.00	296	ePn	34	12.72	0.7
			iSn	34	39.48	
AGG	2.19	241	ePn	34	13.76	-1.0
			eSn	34	43.80	
EDC	2.37	84	ePn	34	20.00	2.6
FNA	2.68	285	ePn	34	22.28	0.4
DMK	2.82	52	ePn	34	21.00	-2.8X
SKO	3.13	307	ePn	34	29.00	0.9
OHR	3.19	289	ePn	34	32.00	3.0

S.D. = 1.5 on 17 of 18 obs.

* SEP 13, 1993 20h 34m 40.49± 2.57s
41.684 N ± 25.9km 24.076 E ± 8.5km
DEPTH = 10.0km (geophysicist)
GREECE-BULGARIA BORDER REGION (363)
ML 2.7 (THE).

SRS	0.67	213	ePg	34	53.08	-0.8
			eSg	35	03.56	
SOH	1.02	213	ePg	34	59.88	0.1
			iSg	35	17.06	
RDO	1.22	116	ePb	35	02.00	-1.2
THE	1.34	219	ePb	35	05.68	0.5
			eSb	35	24.74	
OUR	1.35	183	ePb	35	05.74	0.5
			eSb	35	26.08	
GRG	1.46	241	ePb	35	06.65	-0.2
ALN	1.68	117	ePb	35	11.24	1.2
PAIG	1.78	190	ePb	35	14.00	2.5X
			eSb	35	37.52	

S.D. = 1.0 on 7 of 8 obs.

SEP 13, 1993 20h 57m 27.27± 0.48s
29.745 S ± 7.9km 177.155 W ± 10.8km
DEPTH = 33.0km (normal)
4.9mb (10 obs.) 5.0Msz (2 obs.)

KERMADEC ISLANDS, NEW ZEALAND (178)

Mw 5.3 (HRV). Felt (III) on

Raoul Island.

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 13S, 21C

Centroid Location:

Origin Time 20:57:31.0 1.0

Lat 29.62S FIX; Lon 177.17W FIX

Dep 15.0 FIX Half-duration 1.2

Moment Tensor; Scale 10**16 Nm

Mrr= 4.02 1.64 Mtt= -0.37 1.39

Mff= -3.65 0.78 Mrt= 3.35 1.04

Mrf= 7.91 1.24 Mtf= -1.60 1.83

Principal Axes:

T Val= 9.40 Plg= 58 Azm= 293

N 0.28 0 203

P -9.68 32 113

Best Double Couple: Mo= 9.5*10**16

NP1: Strike= 201 Dip= 13 Slip= 88

NP2: 23 77 90

RAO	0.83	306	iP	57	43.50	1.0
			iS	57	52.50	
URZ	9.73	208	eP	59	43.50	-4.5X
THZ	14.44	211	eP	00	50.80	-0.4
KHZ	14.70	208	eP	00	51.40	-3.1X
LTZ	15.54	210	eP	01	03.20	-2.3
WVZ	16.47	213	eP	01	18.60	1.3
DZM	16.61	294	iPc	01	23.10	3.8X

ODZ	18.06	209	eP	01	37.60	0.5
MSZ	19.01	214	eP	01	49.00	0.2
BRS	26.48	268	iP	03	03.00	-0.4
	0.6s	10.00nm			4.6mb	
		i	03	05.50		

ARMA	26.98	261	eP	03	10.40	2.3
	0.3s	5.00nm			4.6mb	

TOO	31.90	246	eP	03	50.20	-1.6
	0.9s	23.00nm			5.1mb	

STK	35.35	256	iPd	04	22.00	0.3
	0.9s	11.20nm			4.8mb	

ASPA	43.88	266	iPd	05	32.00	-0.6
	1.0s	20.50nm			4.9mb	

Z	20s	3.10um			5.2Msz	
		eS	12	06.60		

WB2	44.80	271	iPd	05	39.10	-0.9
	0.9s	26.40nm			5.1mb	

CSY	56.06	208	iPc	07	05.50	0.5
	0.8s	47.70nm			5.6mb	

CHJJ	77.35	325	P	09	19.40	-0.9
IIDJ	77.45	324	eP	09	20.40	-0.6

MAT	78.13	325	eP	09	23.00	-1.6
	0.8s	5.97nm			4.7mb	

MTMJ	78.36	324	eP	09	24.10	-1.9
TSRJ	78.50	323	eP	09	29.50	2.9

NVL	79.57	183	eP	09	35.00	3.1X
ASAJ	82.19	332	P	09	46.20	0.2

NJ2	86.38	310	Pc	10	07.80	0.3
BONR	86.95	43	ePc	10	11.31	0.8

TNP	87.67	43	eP	10	14.51	0.6
	1.0s	9.02nm			5.0mb	

MDJ	88.51	325	eP	10	17.20	-0.2
SNY	89.76	320	Pd	10	23.40	0.0

TIA	90.06	313	eP	10	25.30	0.3
CN2	90.07	322	eP	10	24.00	-0.8

Z	1.4s	590.00nm			6.7mb X	
	20s	0.30um			4.7Msz	

BMW	90.16	34	eP	10	26.01	0.7
CRP	92.94	12	eP	10	35.48	-2.4

XAN	94.30	307	P	10	46.00	1.4
		pP	10	54.00	25kmX	

MCMT	94.50	40	eP	10	45.90	0.3
FBA	97.07	12	(P)	10	55.00	-1.5

BUL	124.53	210	iPKP	16	25.70	0.2
	1.0s	7.50nm				

		i	16	35.20		
KAF	144.17	341	ePKP	16	56.60	-4.0X

NUR	145.94	341	iPKP	17	02.50	-1.1
	0.7s	62.90nm				

NB2	148.21	352	PKP	17	08.70	1.4
	0.9s	22.40nm				

UPP	148.27	346	iPKP	17	08.90	1.6
HFS	148.74	350	ePKP	17	08.90	0.7

	0.6s	3.20nm				
BCAO	150.77	214	ePKPc	17	14.00	1.3

	0.9s	23.00nm				
		iD	17	19.00		

		iD	17	25.20		
KAS	152.44	303	ePKP	17	22.50	8.1X

KSP	156.63	338	ePKP	17	35.60	15.9X
		i	17	47.60		

CLL	157.16	343	e(PKP)	17	39.00	18.7X
		i	17	50.20		

SKO	160.66	314	ePKP	17	23.00	-1.5
		iPKPab18	07.80			

S.D. = 1.3 on 38 of 46 obs.

* SEP 13, 1993 21h 32m 44.03± 1.85s
14.069 N ± 24.1km 93.034 W ± 11.0km
DEPTH = 33.0km (normal)
4.1mb (2 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.5 (GCG).

TPX	1.12	42	iPc	33	03.20	-0.2
		iS	33	18.50		

IXG	2.51	87	eP	33	24.05	0.5
		eS	33	57.47		

SCX	2.68	8	iP	33	27.31	1.6
		iS	33	55.50		

YUP	3.14	87	eP	33	33.53	1.0
OXX	4.65	311	iP	33	57.55	3.6X

		iS	34	50.24		
LVVM	6.52	330	(P)	34	16.47	-3.6X

IIT	7.06	315	(P)	34	35.59	7.6X
PPM	7.31	314	eP	34	34.00	2.3

IIA	7.39	314	iP	34	36.24	3.9X
III	7.52	306	iP	34	35.00	0.6
LTX	18.10	329	eP	36	54.47	-0.3
MIAR	20.39	359	(P)	37	18.78	-2.1

		pP	37	21.99	12kmX	
ALQ	24.06	332	eP	37	58.40	0.9
	1.0s	3.25nm			3.8mb	

EMUT	30.
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ASPA	1.3s	14.80nm	4.6mb	KMI	67.57	303 eP	03 06.50	6.6X	MMPM	87.66	51 eP	04 55.85	4.9X	
	29.86	240 iPd	58 09.60	-0.8		1.2s	50.00nm	5.6mb	SHW	87.73	42 eP	04 51.95	1.1	
	0.6s	22.00nm	5.2mb				pP	03 11.50	16km		e	04 57.20	16km	
Z	17s	3.40um	5.0MszX	HHC	68.90	321 Pd	03 08.00	0.3	MEMM	87.75	51 (P)	04 50.88	0.0	
TOO	30.92	206 iPd	58 19.90	0.2		1.4s	37.00nm	5.4mb		e	04 57.29	20km		
	0.9s	115.00nm	5.7mb		Z	23s	0.93um	5.0MszX	SSK	87.87	55 eP	04 56.94	5.1X	
		ipP	58 27.00	25km	E	13s	0.25um		MTUM	87.96	52 eP	04 52.43	0.2	
		isP	58 30.40				eS	12 11.00		e	04 57.81	17km		
		e	03 16.10		CD2	69.22	309 eP	03 10.00	0.3	LON	88.18	42 (P)	04 52.47	-0.4
ADE	32.43	217 e(P)	58 33.20	0.3	BTO	69.72	320 eP	03 12.50	-0.2	PEC	88.23	55 eP	04 58.60	5.2X
KNA	32.75	257 eP	58 35.90	0.0		N 14s	0.26um			1.2s	58.16nm	5.8mb		
FORT	37.48	232 eP	59 16.00	-0.1		E 13s	0.30um		PLM	88.35	56 eP	04 54.60	0.5	
MBL	41.83	250 iPc	59 53.40	1.1	LZH	71.53	314 Pc	03 24.00	0.1		i	04 59.57	16km	
	0.5s	20.00nm	5.1mb			1.8s	59.00nm	5.4mb	RMW	88.39	41 (P)	04 55.10	1.2	
MEEK	43.95	242 eP	00 10.30	0.7		Z 17s	0.59um	4.9MszX	GSC	88.84	54 eP	05 01.41	5.1X	
	0.3s	20.00nm	5.4mb		E	15s	0.43um		TNP	89.17	51 eP	04 57.94	0.0	
NANU	45.98	249 eP	00 27.00	1.2	CIT	74.66	331 eP	03 42.00	0.3		0.9s	19.23nm	5.4mb	
NWAO	46.82	234 eP	00 33.00	0.7	GTA	75.89	315 eP	03 49.50	0.4		e	05 03.14	16km	
MUN	47.36	236 eP	00 37.00	0.4		1.5s	37.00nm	5.2mb	GLA	89.94	57 eP	05 02.59	1.1	
PPR	47.41	294 ePd	00 41.00	3.8X		Z 24s	1.14um	5.1MszX		e	05 07.47	15km		
HON	50.35	51 P	01 10.00	10.2X	N	13s	0.25um		INK	90.45	20 eP	05 04.00	1.0	
	Z 19s	0.24um	4.2Msz				PcP	04 00.00	DPW	90.84	42 (P)	05 07.92	2.6	
OPA	50.55	51 eP	00 59.27	-2.1			eS	13 30.00		e	05 10.88	9km		
		e	01 04.65	18km	YAK	76.36	345 iPc+	03 50.60	-0.5	NEW	91.64	41 eP	05 08.43	-0.6
KAKJ	50.62	337 eP	01 01.60	0.0			e	06 38.00		1.0s	30.54nm	5.6mb		
WKYJ	50.87	332 P	01 02.10	-1.5	KDC	77.33	23 eP	03 56.58	0.0	ARUT	92.02	52 (P)	05 11.36	0.2
KAGJ	50.89	325 P	01 04.30	0.5		0.5s	7.28nm	5.0mb	DUG	92.96	50 (P)	05 16.65	1.3	
IIDJ	50.90	335 P	01 03.60	-0.2	ZAK	78.99	326 iPc	04 06.20	0.4		1.3s	29.25nm	5.6mb	
CHJ	50.94	336 P	01 03.60	-0.5		1.6s	59.00nm	5.4mb		Z 16s	0.18um	4.6MszX		
TKSJ	51.42	330 eP	01 07.50	-0.2		Z 14s	0.49um	5.0MszX			e	05 21.04	14km	
MAT	51.69	336 iPc	01 08.70	-1.1	E	16s	0.29um		MSU	93.14	52 eP	05 17.10	0.7	
	1.4s	58.14nm	5.3mb				eS	14 04.00	TUC	93.14	58 P	05 30.00	13.7X	
		eS	08 29.00		ILT	79.24	7 iPc	04 06.40	-0.4		Z 19s	0.37um	4.9Msz	
MTMJ	51.8													

13d 22h

LSZ 127.61 242 ePKP 11 26.00 17.4X
i 14 24.00
UZH 129.10 326 iPKP 11 22.50 12.3X
1.0s 25.00nm
Z 16s 6.00um 6.4MszX
N 16s 3.00um
E 16s 7.00um
SIV 130.03 121 PKP 11 16.60 3.6X
KSP 130.75 332 ePKP 11 20.90 7.6X
BRG 131.79 333 ePKP 11 23.30 8.0X
ZST 132.11 329 e(PKP) 11 23.00 7.0X
PRU 132.15 332 ePKP 11 22.50 6.5X
KHC 133.20 332 ePKP 11 19.00 0.9
e 11 25.00
SKO 133.22 319 ePKP 11 17.50 -0.8
GEC2 133.34 331 ePKP 11 18.30 -0.2
0.9s 1.23nm
e 11 24.60
e 11 28.90
e 11 35.50
e 11 40.90
GRF 133.85 334 ePKP 11 27.00 7.7X
OHR 134.08 319 ePKP 11 16.50 -3.6X
KBA 134.75 330 iPKPc 11 28.30 7.0X
1.1s 12.80nm
WTTA 135.44 331 iPKPc 11 28.10 5.5X
WLF 135.93 337 PKP 11 31.00 7.8X
DOU 136.14 339 PKP 11 37.20 13.6X
BSF 137.15 335 ePKP 11 30.30 4.5X
1.1s 18.80nm
HAU 137.19 336 ePKP 11 30.50 4.8X
1.4s 31.35nm
FLN 138.95 342 ePKP 11 33.00 4.1X
1.0s 18.40nm
LBF 138.96 337 ePKP 11 34.70 5.7X
0.9s 7.20nm
LPL 139.00 333 ePKP 11 40.20 10.8X
1.1s 13.65nm
SSF 139.07 337 ePKP 11 34.50 5.3X
1.0s 9.00nm
BCAO 143.28 264 iPKPc 11 35.30 -2.3
0.7s 15.00nm
id 11 42.10
ic 12 13.10
EGRA 144.64 337 ePKP 11 38.00 -1.0
ECRI 145.08 340 ePKP 11 40.90 1.0
ETOR 146.49 338 ePKP 11 44.40 2.0
GUD 147.39 340 ePKP 11 46.90 3.1X
PAB 148.44 340 ePKPc 11 50.20 4.7X
EPLA 148.52 342 ePKP 12 01.50 15.9X
EVIA 148.55 336 ePKP 11 49.90 4.1X
EALH 148.77 334 ePKP 11 50.00 4.0X
EHUE 149.29 336 ePKP 11 51.50 4.6X
EBAN 149.46 338 ePKP 11 52.00 4.9X
SOB1 150.11 130 ePKP 11 52.80 4.1X
ECOG 150.15 336 ePKP 11 54.00 5.8X
ELUQ 150.17 338 ePKP 11 53.50 5.3X
EHOR 150.29 339 ePKP 11 54.00 5.7X
EGUA 150.53 336 ePKP 11 54.00 5.3X
EVAL 151.00 341 ePKP 11 56.00 6.6X
EPRU 151.05 338 ePKP 11 57.50 8.0X
EJIF 151.59 338 ePKP 11 56.00 5.7X
S.D. = 1.0 on 110 of 180 obs.
SEP 13, 1993 22h 45m 59.51± 0.43s
32.936 N ± 5.3km 33.982 E ± 7.4km
DEPTH = 10.0km (geophysicist)
4.3mb (2 obs.)
EASTERN MEDITERRANEAN SEA (371)
ML 4.0 (CSS), 3.7 (BHL).
BHL 1.70 55 Pg 46 28.00 -1.4
Sg 46 48.00
SALJ 1.71 122 Pd 46 30.90 1.3
JARJ 1.80 112 Pc 46 37.60 6.7X
MASJ 1.90 129 P 46 33.90 1.6
CSS 2.09 345 ePc 46 35.50 0.4
eS 47 02.00
PPCY 2.37 325 iPc 46 41.00 1.9
eS 47 10.50
DHLJ 2.43 150 Pc 46 41.10 1.2
JRDJ 2.63 146 Pc 46 44.40 1.6
SHWJ 2.86 153 Pc 46 47.30 1.2
NAQJ 3.20 156 Pc 46 51.10 0.1
HQL 3.77 166 ePc 46 58.00 -0.9
eS 47 31.30
HLW 3.81 217 e(P) 46 59.70 0.2

SRFA 4.13 165 eSn 47 35.00
ePd 47 02.50 -1.4
eS 47 40.60
AYN 4.41 156 iPd 47 07.60 -0.3
eS 47 55.00
GAZ 4.99 31 ePn 47 15.20 -0.9
ELL 5.07 320 ePn 47 19.00 1.6
BCK 5.30 329 ePn 47 20.60 -0.1
KHL 6.49 327 ePn 47 37.00 -0.4
CIN 6.70 316 eP 47 39.00 -1.3
WAJH 7.10 161 ePd 47 43.60 -2.4
eS 48 10.00
IZM 7.72 317 eP 47 52.80 -1.9
UQSK 10.20 132 eP 48 27.30 -1.8
eS 51 03.00
GEC2 21.98 322 P 50 56.70 1.4
LPG 24.42 309 eP 51 21.80 2.4X
0.7s 5.50nm 4.3mb
LPL 24.43 309 eP 51 19.20 -0.3
0.9s 7.35nm 4.3mb
DMN 44.12 83 P 54 10.60 0.4
KKN 44.21 83 P 54 11.00 0.2
0.6s 14.00nm 5.0mb X
GUN 44.67 82 P 54 11.00 -3.7X
S.D. = 1.3 on 25 of 28 obs.
SEP 13, 1993 22h 55m 41.58± 0.40s
40.160 N ± 4.9km 24.850 E ± 3.2km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 3.4 (THE).
OUR 0.69 285 iPg 55 54.53 -0.6
eSg 56 05.30
PAIG 0.93 256 ePg 55 58.30 -1.0
eSg 56 11.90
RDO 1.12 28 ePg 56 03.20 0.7
ALN 1.17 51 ePb 56 04.34 0.9
eSb 56 20.46
EZN 1.18 106 iPn 56 04.10 0.5
SOH 1.32 301 ePb 56 05.42 -0.6
eSb 56 25.18
SRS 1.35 315 ePb 56 06.74 0.3
eSb 56 24.62
PRK 1.43 129 ePb 56 08.20 0.7
THE 1.51 289 ePb 56 08.18 -0.5
iSb 56 30.54
RZN 1.53 356 iPc 56 09.00 -0.1
KDZ 1.55 16 iPc 56 09.00 -0.2
Pg 56 11.00
iS 56 29.00
MMB 1.66 330 iP 56 10.00 -0.9
Sg 56 36.00
LIT 1.81 269 ePb 56 12.80 -0.3
KGT 1.90 80 iPn 56 13.50 -0.8
PLD 1.95 357 iP 56 16.00 1.0
MFT 1.96 71 ePn 56 14.10 -1.1
GRG 2.03 294 ePn 56 16.66 0.4
eSn 56 44.90
KKB 2.17 322 iP 56 18.00 -0.2
AGG 2.25 241 ePn 56 20.34 0.8
eSn 56 49.82
EDC 2.31 84 ePn 56 24.00 3.7X
KZN 2.36 275 ePn 56 26.50 5.4X
IZM 2.57 132 ePn 56 23.30 -0.7
KCT 2.69 87 ePn 56 30.00 4.3X
DMK 2.76 52 ePn 56 25.00 -1.6
CTT 2.90 69 ePn 56 27.00 -1.6
DST 2.96 100 eP 56 31.00 1.5
SKO 3.15 306 eP 56 36.00 3.8X
Z 22s 2.22um
LR 50 42.00
OHR 3.23 288 eP 56 25.00 -8.3X
IGT 3.53 261 ePn 56 38.98 1.4
MLR 5.39 8 eP 57 06.00 1.9
S.D. = 1.0 on 25 of 30 obs.
SEP 13, 1993 22h 58m 13.88± 0.27s
11.242 N ± 5.2km 86.321 W ± 5.0km
DEPTH = 33.0km (normal)
5.3mb (34 obs.) 5.6Msz (30 obs.)
NEAR COAST OF NICARAGUA (74)
Mw 5.8 (HRV). ML 5.8 (APY).
Mo=5.8*10**17 Nm (PPT). Felt
(IV) in Carazo and Rivas
Departments; (III) in
Chinandega, Leon, Managua and

Masaya Departments.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 55S, **C
Centroid Location:
Origin Time 22:58:18.9 0.2
Lat 10.94N 0.02 Lon 86.67W 0.02
Dep 23.0 BDY Half-duration 1.9
Moment Tensor; Scale 10**17 Nm
Mrr= 3.84 0.08 Mtt=-3.33 0.09
Mff=-0.51 0.12 Mrt= 2.70 0.18
Mrf=-2.10 0.15 Mtf= 1.94 0.08
Principal Axes:
T Val= 5.12 Plg=69 Azm= 49
N 0.40 6 302
P -5.53 20 209
Best Double Couple: Mo=5.3*10**17
NP1: Strike=288 Dip=26 Slip= 75
NP2: 125 65 97
SSN 0.46 83 iPd 58 29.64 5.7X
PYT 1.30 11 iP 58 40.77 4.9X
BRU 4.42 123 iP 59 36.86 16.0X
iS 00 48.57
DVD 4.72 126 iPc 59 29.40 4.7X
eS 00 40.74
ECO 6.78 105 iP 59 57.49 3.7X
eS 01 29.68
TPX 6.84 303 iP 59 56.00 1.5
UPA 7.05 108 eP 59 55.26 -2.2
iS 01 25.25
OXX 11.64 301 iP 01 02.18 1.2
LVVM 12.90 312 (P) 01 16.43 -1.2
PSO 13.40 138 eP 01 37.00 12.4X
BOG 13.80 117 eP 01 38.00 8.1X
eS 04 14.00
IIT 13.91 305 (P) 01 27.01 -4.3X
PPM 14.19 305 iPc 01 36.29 1.1
IIA 14.26 305 iPd 01 36.79 1.2
III 14.55 301 iP 01 40.69 1.1
UNM 14.78 305 (P) 01 44.00 1.3
CRX 15.22 304 (P) 01 52.50 4.0X
SDV 15.62 97 ePc 01 59.50 5.9X
TOV 16.32 94 ePc 02 07.40 5.1X
iPP 02 09.50
MRX 16.61 302 (P) 02 08.00 2.1
CAR 19.06 90 iPd 02 36.00 -0.4
HBF 22.27 13 P 03 12.30 2.7
SGS 22.49 13 P 03 14.50 2.7
PRM 23.02 8 P 03 19.00 1.9
JSC 23.39 11 P 03 23.10 2.5
LHS 23.67 11 P 03 25.60 2.3
MYNC 23.81 4 P 03 26.60 1.9
0.8s 54.92nm 5.1mb
Z 20s 10.69um 5.3Msz
UYO 24.00 343 iPc 03 26.70 0.1
MIAR 24.12 345 P 03 27.50 -0.2
0.7s 161.40nm 5.7mb
LTX 24.20 321 P 03 28.20 -0.5
GBTN 24.39 4 P 03 32.10 1.8
SVB 24.58 83 eP 03 34.38 2.0
NNA 24.92 158 eP 03 33.80 -1.9
1.0s 25.00nm 4.8mb
CEH 25.40 14 P 03 41.20 1.3
0.7s 94.90nm 5.5mb
Z 21s 12.40um 5.4Msz
FNO 25.94 339 iPd 03 44.50 -0.5
TUL 26.02 342 iP 03 44.40 -1.3
ELC 26.06 355 P 03 45.40 -0.7
NAV 26.43 10 P 03 50.70 1.1
FVM 26.88 353 P 03 52.80 -0.8
0.6s 34.47nm 5.2mb
Z 20s 11.03um 5.4Msz
SLM 27.50 353 P 04 10.00 10.7X
Z 21s 3.29um 4.9Msz
CVL 27.54 14 P 04 00.20 0.6
ACO 27.86 338 iPc 04 01.00 -1.6
CBN 28.02 15 eP 04 05.00 1.1
ALQ 29.87 325 P 04 20.40 -0.5
0.9s 59.08nm 5.4mb
TUC 30.77 317 P 04 20.50 -8.3X
0.8s 20.47nm 5.0mb
Z 18s 14.04um 5.7Msz
ARE 31.19 152 eP 04 45.00 12.2X
PNJ 31.43 18 iP 04 35.53 1.2
DLA 31.77 7 P 04 37.10 -0.2
YSNY 31.85 11 P 04 38.50 0.5

13d 23h

	0.7s	41.59nm	5.4mb	VIPM	44.34	325 P	06 22.28	-0.6	Z	22s	1.30um	5.3Msz
LDN	31.99	7 P	04 39.15	JBO	44.50	326 P	06 23.76	-0.3	OBN	98.51	29 (P)	11 52.00 1.8
ELF	32.13	7 P	04 40.20	NEW	44.99	331 P	06 25.90	-2.1	Z	18s	3.00um	5.8Msz
BINY	32.14	15 P	04 40.90		0.8s	25.89nm		5.2mb	N	18s	1.20um	
	0.6s	78.43nm	5.8mb	Z	19s	3.38um		5.3Msz	E	18s	2.20um	
	Z	21s	11.99um	VGB	45.05	326 P	06 28.30	-0.1	BLF	114.99	117 e(PKP)	16 49.00 -5.0X
TYNO	32.23	9 P	04 41.04	WAH2	45.19	328 P	06 28.11	-1.3	KSR	115.63	113 e(PKP)	16 55.00 -0.4
LSCT	32.42	18 P	04 43.60	VBEM	45.22	325 P	06 30.06	0.1	MTD	119.70	103 iPKP	16 48.40 -14.8X
	0.8s	46.10nm	5.4mb	DPW	45.24	330 P	06 29.55	-0.4	BJI	124.87	339 PKP	17 12.50 0.2
	Z	20s	19.76um	SSOR	45.60	324 P	06 31.60	-1.3	Z	24s	1.97um	5.7MszX
STCO	32.45	10 P	04 42.38	SAW	45.73	329 P	06 32.82	-0.9		PP	19 00.00	
ACTO	32.70	8 P	04 45.05	RNO	45.81	322 P	06 34.66	0.1	WMQ	124.93	5 PKP	17 12.00 -0.5
LPZ	32.74	146 P	04 47.50	ASR	45.89	326 P	06 35.15	0.0	Z	21s	3.52um	6.0Msz
LPB	32.96	147 eP	04 45.00	WTV	46.00	329 P	06 35.49	-0.5	HHC	125.60	343 iPKPd	17 14.50 0.5
	i	05 02.30	72kmX	LON	46.38	327 P	06 38.16	-0.8	KSH	126.94	17 ePKP	17 16.50 -0.1
	LR	17 46.00		BAO	46.40	124 Pd	06 39.00	-0.6	TIA	127.88	336 ePKP	17 19.10 0.8
GLD	32.97	333 P	04 47.00	FMW	46.41	327 P	06 38.70	-0.7	Z	26s	1.54um	5.6MszX
	1.3s	70.34nm	5.4mb	KMOR	46.64	324 P	06 41.49	0.4		PP	19 20.00	
GOL	33.00	332 P	04 47.60	RMW	46.81	327 P	06 41.70	-0.7	TIY	128.23	341 ePKP	17 19.60 0.6
	0.6s	22.73nm	5.2mb	BMW	46.99	325 P	06 42.27	-1.5	Z	25s	3.31um	5.9MszX
	Z	19s	4.10um	TCA	47.19	154 eP	06 48.00	2.5	E	20s	1.45um	
WLVO	33.28	10 P	04 50.18	JCW	47.34	328 P	06 44.68	-1.8	GTA	129.29	354 ePKP	17 20.00 -1.1
HRV	33.70	20 P	05 00.00	GMW	47.39	327 P	06 44.90	-2.0	SSE	130.31	329 PKP	17 23.50 0.5
	Z	18s	17.35um	MRA	47.67	156 ePc	06 51.80	2.6	Z	20s	1.80um	5.8Msz
PV08	33.74	328 P	04 54.30	PPD	47.67	134 eP	06 48.80	-0.6		PP	19 32.00	
PV10	33.80	327 P	04 53.90	FCC	47.79	355 eP	06 52.00	2.3	NJ2	130.67	332 PKPc	17 24.20 0.5
PV09	33.94	327 P	04 55.90	MCW	48.11	328 P	06 51.20	-1.4	Z	20s	0.89um	5.5Msz
GLA	33.98	314 P	04 57.10	STW	48.23	327 P	06 52.83	-0.6	STK	131.39	237 iPKPc	17 26.50 1.4
RSNY	34.71	15 P	05 03.40	CACB	50.80	130 (P)	07 12.30	-1.3		8.0s	9.90nm	
	0.9s	56.03nm	5.5mb	RSTA	50.96	135 eP	07 15.10	0.5	LZH	131.96	349 ePKP	17 21.00 -5.3X
	Z	19s	10.67um	VAO	51.41	132 eP	07 17.40	-0.7	Z	22s	3.15um	6.0Msz
CCH	34.74	145 P	05 05.00	YKA	55.06	344 eP	07 42.50	-2.1	N	18s	2.14um	
SRU	35.13	326 P	05 06.00		0.8s	21.30nm		5.2mb	XAN	132.69	343 PKP	17 27.60 0.0
LBNH	35.15	18 P	05 20.00	SIT	59.08	331 P	08 20.00	6.9X	CD2	136.99	347 ePKP	17 36.60 0.7
	Z	21s	13.39um	RES	63.61	357 eP	08 42.00	-1.4	Z	20s	3.18um	6.0Msz
PLM	35.59	313 P	05 12.10		0.6s	9.00nm		5.1mb	N	20s	3.25um	
MSU	35.64	324 P	05 11.00	BALM	64.15	333 P	08 45.60	-1.7		ePP	20 20.00	
EMUT	35.79	327 P	05 12.30	INK	64.68	342 eP	08 49.00	-1.5	LSA	139.22	3 PKP	17 41.20 0.7
ARUT	35.90	322 P	05 13.70		1.0s	31.00nm		5.4mb	ASPA	139.83	247 ePKP	17 35.40 -5.8X
PEC	36.08	314 P	05 15.90	KLU	65.91	333 P	08 57.20	-1.4		e	30 16.20	
	1.1s	53.13nm	5.4mb	PMR	67.39	333 eP	09 06.40	-1.5	WB2	139.97	252 iPKPc	17 33.60 -7.9X
RSSD	36.15	338 P	05 14.90		0.8s	25.30nm		5.4mb		0.5s	2.50nm	
	0.9s	43.98nm	5.4mb	SLKM	67.55	331 P	09 06.40	-2.6	WB2	139.97	252 iPKP	17 42.10 0.6
	Z	22s	2.67um	KDC	67.91	328 eP	09 09.90	-1.3		ePP	21 19.60	
DAU	36.45	327 P	05 18.00	FBA	67.97	336 P	09 09.00	-2.5		ePKKP	26 58.20	
GSC	36.59	316 P	05 20.50		0.6s	13.78nm		5.2mb		eSKKP	30 11.00	
SSK	36.62	314 P	05 20.40	CRP	68.68	332 P	09 13.30	-2.8	WRA	139.98	252 PKP	17 33.80 -7.8X
SIV	36.83	137 P	05 21.90	CP2	68.71	332 P	09 14.40	-2.0		0.6s	1.80nm	
DUG	37.15	326 P	05 24.90	HON	69.05	289 P	09 30.00	11.1X	GUN	140.35	11 PKP	17 37.00 -5.5X
	1.1s	86.71nm	5.5mb		Z	20s	0.85um	5.0Msz	KKN	140.36	12 PKP	17 36.60 -5.7X
ISA	37.93	315 P	05 31.70	SVW	70.26	331 P	09 23.10	-2.6		0.6s	25.00nm	
	1.1s	25.41nm	5.0mb		0.8s	23.22nm		5.3mb	GYA	140.46	342 PKP	17 42.40 0.0
HVU	38.23	327 P	05 32.80	IMA	70.68	336 eP	09 26.80	-1.5	DMN	140.50	12 PKP	17 40.60 -2.0
TNP	38.44	319 P	05 34.20		0.9s	9.50nm		4.9mb		0.6s	13.00nm	
	1.1s	27.62nm	5.0mb	TTA	70.85	333 eP	09 27.00	-2.3	KMI	142.79	346 ePKP	17 48.50 1.8
LMQ	38.61	17 eP	05 36.00	SDN	71.83	325 eP	09 34.30	-0.9	SHL	143.37	3 ePKP	17 44.00 -3.6X
	0.5s	14.00nm	5.0mb		0.8s	73.90nm		5.7mb		ePP	20 58.00	
CBM	38.76	20 P	05 50.00	ILT	80.57	337 iPc	10 23.00	-1.1	CGP	143.47	301 ePKP	17 48.50 0.7
	Z	19s	13.02um		1.0s	30.00nm		5.2mb	KNA	145.62	259 ePKP	17 51.00 -0.4
PTI	38.80	329 P	05 37.90		Z	20s	3.90um	5.8Msz	QIZ	145.96	332 iPKPc	17 52.50 0.6
		pP	05 46.00		N	20s	2.10um		HYB	147.84	28 ePKP	17 55.00 0.0
BCH	38.81	313 P	05 38.80		E	20s	2.50um		NWAO	149.45	221 ePKP	18 00.50 3.4X
MTUM	38.90	317 P	05 40.60			e	13 28.00		CHTO	149.69	350 ePKP	18 02.40 4.6X
BONR	39.06	318 P	05 41.10	ADK	81.48	321 eP	10 29.60	0.4	LOE	150.44	344 ePKP	18 05.00 6.0X
LMN	39.06	24 eP	05 40.00			eS	20 32.00		GBA	150.52	34 PKPd	17 59.40 0.3
HHAI	39.12	329 P	05 40.20		0.7s	87.50nm		5.9mb		0.7s	5.00nm	
MMPM	39.35	317 P	05 44.40	NB2	83.88	29 P	10 40.40	-1.1	BDT	151.21	349 ePKP	18 00.00 -0.1
ULM	39.68	350 ePc	05 44.50		0.7s	1.40nm		4.2mb X	MBL	153.06	245 ePKP	18 10.70 8.0X
CMB	40.48	317 P	05 52.70	APO	85.29	29 ePKP	10 46.30	-2.2		0.6s	10.00nm	
	1.2s	24.72nm	4.8mb		0.5s	1.60nm		4.5mb		S.D. = 1.3	on 157 of 198 obs.	
	Z	20s	4.64um	KHC	87.98	40 eP	11 14.00	12.0X		SEP	13, 1993	23h 12m 16.05± 0.61s
SAO	40.55	315 P	06 00.00		Z	18s	6.80um	6.1Msz		39.337 N ± 5.6km	21.904 E ± 5.5km	
	Z	20s	6.43um		N	20s	1.60um			DEPTH = 10.0km	(geophysicist)	
ARN	40.91	315 P	05 56.10		E	20s	3.70um			GREECE	(364)	
LRM	41.03	332 ePc	05 55.60			e	11 35.50	79kmX		MD 3.1 (ATH).	ML 2.8 (THE).	
		e	07 56.60	KBA	88.35	42 iPc	11 23.80	19.8X				
SLA	41.12	151 e(P)	06 01.00		1.4s	27.10nm			AGG	0.46	133 ePg	12 24.00 -1.4
HMR	41.50	316 P	06 02.80			i	11 31.00	23kmX			eSg	12 31.96
ORV	42.03	318 P	06 05.10	PRU	88.36	39 eP	11 17.50	13.8X	LIT	0.89	30 ePg	12 32.93 -0.1
WDC	43.25	319 P	06 20.00		Z	19s	4.90um	5.9Msz			eSg	12 45.48
	Z	22s	3.40um		E	17s	3.80um		KZN	0.97	354 ePb	12 33.80 -0.8
JAQ	43.29	9 eP	06 12.50			e	11 36.80	69kmX	IGT	1.23	280 ePb	12 38.40 -0.6
LGPM	43.61	319 P	06 16.10	VRAC	89.83	40 eP	11 14.50	3.9X			eSb	12 56.04
FHC	44.30	318 P	06 24.50	TIK	94.04	349 eP	11 30.00	0.3	PAIG	1.49	66 ePb	12 43.60 0.7
	1.0s	40.59nm	5.2mb			1.0s	14.00nm	5.3mb	FNA	1.50	345 iPb	12 43.14 0.1

13d 23h

THE 1.53 32 eSb 13 04.00
 VLS 1.55 222 ePb 12 43.72 0.3
 GRG 1.66 13 ePb 12 44.32 -1.0
 KEK 1.67 284 ePb 12 33.80 -11.7X
 SOH 1.85 36 ePb 12 48.32 0.2
 OUR 1.88 57 ePb 12 49.64 1.1
 OHR 1.96 335 iPn 12 50.20 0.4
 SKO 2.66 353 ePn 13 08.00 8.4X
 S.D. = 0.9 on 12 of 14 obs.

? SEP 14, 1993 00h 20m 17.97± 2.84s
 5.464 S ±26.8km 133.763 E ±15.2km
 DEPTH = 33.0km (normal)
 ARU ISLANDS REGION, INDONESIA (204)

TLE 1.02 260 ePd 20 36.20 0.2
 MTN 7.78 199 eP 22 12.00 0.2
 0.4s 63.00nm 6.0mb
 KNA 11.34 205 eP 22 59.50 -1.3
 WB2 14.40 178 eP 23 41.70 0.1
 ASPA 18.10 180 iPd 24 30.00 1.3
 CTA 18.94 141 eP 24 38.50 -0.5
 S.D. = 1.1 on 6 of 6 obs.

? SEP 14, 1993 00h 32m 06.15± 0.92s
 18.136 S ±30.9km 176.536 W ±26.3km
 DEPTH = 33.0km (normal)
 4.7mb (5 obs.)

FIJI ISLANDS REGION (181)

CTA 35.17 261 iPc 38 59.00 -0.2
 1.0s 12.50nm 4.8mb
 TOO 38.42 232 iPc 39 27.10 0.6
 1.0s 32.00nm 5.1mb
 STK 40.09 242 eP 39 41.00 0.6
 0.7s 1.80nm 3.9mb
 WB2 46.33 259 iPc 40 30.00 -1.1
 0.7s 4.00nm 4.5mb
 RMW 81.64 34 eP 44 22.67 0.3
 FBA 85.65 12 eP 44 40.13 -2.2
 1.0s 6.30nm 4.8mb
 NVL 91.14 183 eP 45 07.00 -1.5
 KSP 145.80 345 ePKP 51 43.00 0.1
 CLL 146.04 349 iPKP 51 44.70 1.4
 1.3s 21.00nm
 BRG 146.28 348 ePKP 51 45.70 2.0
 GEC2 148.26 347 ePKP 51 50.30 3.2X
 1.1s 1.69nm
 S.D. = 1.5 on 10 of 11 obs.

? SEP 14, 1993 00h 59m 35.00± 0.77s
 6.578 S ± 9.3km 147.935 E ±10.5km
 DEPTH = 33.0km (normal)
 4.6mb (3 obs.)

EASTERN NEW GUINEA REG., P.N.G. (207)
 ML 4.5 (PMG).

YYYY 1.98 280 eP 00 09.30 2.3
 MDG 2.52 301 eP 00 13.30 -1.2
 PMG 2.91 195 eP 00 25.00 4.9X
 KVG 4.89 36 eP 00 48.00 0.2
 QIS 16.07 209 eP 03 21.00 0.7
 WB2 18.72 223 iPc 03 52.60 -0.7
 0.3s 20.60nm 4.8mb
 BRS 21.20 168 iP 04 20.00 -0.3
 STK 25.86 192 iPc 05 06.80 1.4
 0.7s 5.30nm 4.2mb
 MBL 30.81 239 eP 05 49.00 -1.3
 0.4s 4.00nm 4.6mb
 MEEK 34.30 231 eP 06 20.00 -0.7
 MRWA 37.60 229 eP 06 48.00 -0.5
 PPD 145.88 147 (PKP) 19 13.00 0.1
 S.D. = 1.2 on 11 of 12 obs.

SEP 14, 1993 01h 08m 04.32± 1.27s
 29.592 S ±25.6km 176.913 W ±19.4km
 DEPTH = 33.0km (normal)
 4.7mb (2 obs.)

KERMADEC ISLANDS REGION (177) Felt (III) on Raoul Island.

RAO 0.94 291 iPc 08 20.90 -0.3
 CTA 34.62 277 iP 14 53.00 0.4
 STK 35.59 256 iPc 15 02.30 1.5
 0.7s 5.10nm 4.6mb
 WB2 45.01 271 eP 16 17.40 -1.3
 0.6s 7.60nm 4.8mb
 CSY 56.30 208 eP 17 43.10 -0.6
 0.6s 17.50nm 5.3mb X
 i 17 51.20
 i 18 02.60
 MAW 73.39 200 P 19 40.00 5.6X
 1.1s 43.48nm 5.4mb X
 OBN 145.03 326 ePKPc 27 39.00 -0.3
 0.9s 9.00nm
 e 27 59.00
 NUR 145.87 341 iPKP 27 41.10 0.6
 NB2 148.09 353 PKP 27 47.60 3.4X
 0.9s 3.20nm
 HFS 148.63 350 ePKP 27 48.40 3.4X
 0.8s 5.40nm
 S.D. = 1.1 on 7 of 10 obs.

SEP 14, 1993 01h 23m 07.77± 0.25s
 29.598 S ± 7.0km 177.042 W ± 6.3km
 DEPTH = 32.7km (10 depth phases)
 5.4mb (37 obs.) 5.7msz (38 obs.)

KERMADEC ISLANDS, NEW ZEALAND (178)

Mw 5.9 (HRV). Ms 5.7 (BRK).
 Mo=1.1*10**18 Nm (PPT). Felt
 (III) on Raoul Island.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 48S, **C
 Centroid Location:
 Origin Time 01:23:13.5 0.2
 Lat 29.20S 0.03 Lon 176.73W 0.02
 Dep 17.3 1.3 Half-duration 1.8
 Moment Tensor; Scale 10**17 Nm
 Mrr=-4.22 0.08 Mtt= 0.10 0.12
 Mff=-4.32 0.12 Mrt= 1.66 0.26
 Mrf= 5.28 0.51 Mtf=-1.40 0.09
 Principal Axes:
 T Val= 6.86 Plg=64 Azm=289
 N 0.51 1 197
 P -7.37 26 107
 Best Double Couple:Mo=7.1*10**17
 NP1:Strike=195 Dip=19 Slip= 88
 NP2: 17 71 91

RAO 0.84 294 Pc 23 25.10 1.9
 PUZ 9.31 204 eP 25 18.00 -4.8X
 eS 27 04.80
 OUZ 9.70 232 eP 25 32.00 4.0X
 URZ 9.91 208 eP 25 26.00 -5.0X
 eS 27 19.20
 MOZ 11.16 215 eP 25 47.40 -0.7
 PGZ 12.28 205 eP 25 58.40 -4.7X
 MRW 13.41 208 P 26 19.50 1.4
 S 28 37.00
 THZ 14.62 211 eP 26 28.90 -5.2X
 eS 29 04.80
 KHZ 14.88 208 eP 26 30.50 -6.8X
 eS 29 10.40
 LTZ 15.72 210 eP 26 42.10 -6.2X
 AFI 16.36 18 eP 26 40.00 -16.6X
 eS 29 40.00
 WVZ 16.64 213 eP 26 56.40 -3.6X
 RAR 17.68 66 P 27 08.00 -5.1X
 S 30 10.00
 LMZ 17.83 214 eP 27 10.40 -4.4X
 BKM 17.94 308 iP 27 18.80 2.4
 BWZ 18.16 211 eP 27 16.70 -2.2
 ODZ 18.23 209 eP 27 17.60 -2.2
 MSZ 19.19 214 eP 27 28.00 -3.4X
 BRS 26.58 267 iPc 28 50.00 5.1X
 1.0s 21.00nm 4.7mb
 i 28 56.50 23km
 ARMA 27.10 260 eP 28 52.00 2.3
 0.4s 13.00nm 4.9mb
 PPT 27.80 71 eP 29 01.70 5.7X
 1.1s 274.50nm 5.9mb
 Z 28s *****um 8.6mszX
 CNB 28.83 250 eP 29 08.60 3.4X
 1.1s 47.00nm 5.1mb

CAN 29.12 250 eP 29 11.00 3.1X
 i 29 22.10 41km
 BWA 29.59 252 iPd 29 12.60 0.5
 i 29 24.70 46kmX
 RUV 30.83 69 eP 29 11.90 -11.2X
 1.3s 156.70nm
 TOO 32.05 246 eP 29 35.30 1.6
 0.6s 32.00nm 5.4mb
 CTA 34.51 277 iPc 29 56.50 1.4
 1.0s 22.50nm 5.1mb
 ePP 31 06.00
 e 31 30.00
 eS 35 09.00
 e(S) 35 30.00
 e(SS) 37 51.00
 CTA 34.51 277 P 30 08.39 13.3X
 STK 35.48 256 eP 30 04.00 0.7
 0.9s 18.80nm 5.0mb
 ADE 37.56 250 eP 30 22.50 1.6
 QIS 40.09 273 eP 30 47.00 4.9X
 WRA 44.91 271 P 31 21.20 -0.2
 1.1s 12.20nm 4.7mb
 WB5 44.91 271 iPc 31 20.50 -0.9
 i 32 10.80 236kmX
 i 32 16.00
 DRV 45.20 202 iP 31 29.20 6.2X
 S 38 00.00
 PORT 47.06 254 eP 31 38.00 -0.3
 SBA 48.90 184 iPc 31 57.00 5.1X
 HON 53.85 22 P 32 40.00 10.2X
 Z 18s 2.47um 5.3msz
 KLB 55.39 250 eP 32 39.30 -1.9
 CSY 56.24 208 iPc 32 47.60 0.8
 0.7s 72.20nm 5.8mb
 e 32 55.90 27km
 GUA 56.44 314 eP 32 46.70 -2.2
 0.8s 101.49nm 5.9mb
 GUMO 56.51 314 eP 32 46.80 -2.5
 PJG 56.51 314 eP 32 47.20 -2.1
 BAL 56.54 251 eP 32 47.00 -2.5
 MUN 56.55 249 eP 32 48.00 -1.5
 MBL 57.06 263 iPc 32 51.50 -1.8
 0.6s 20.00nm 5.3mb
 MRWA 57.55 252 eP 32 55.20 -1.4
 NANU 60.23 260 eP 33 24.30 9.0X
 SPA 60.57 180 iPc 33 19.20 1.9
 1.7s 343.75nm 6.2mb
 DAV 66.07 294 eP 33 52.00 -1.9
 CGP 67.58 294 eP 34 03.00 -0.6
 MAW 73.35 200 iPd 34 39.70 2.0
 1.4s 54.20nm 5.4mb
 Z 18s 6.10um 5.9msz
 N 18s 2.40um
 iPP 34 49.60 32km
 eS 44 14.70
 e 57 56.40
 LEM 73.93 271 iPc 34 42.50 0.4
 BAG 75.55 299 eP 34 49.60 -1.8
 WKYJ 77.66 321 eP 35 00.20 -2.5
 MAT 78.06 325 eP 35 04.00 -0.8
 0.7s 12.33nm 5.0mb
 Z 20s 1.77um 5.4msz
 eS 44 56.00
 KAGJ 78.13 316 eP 35 07.10 1.8
 TKSJ 78.33 320 eP 35 13.20 6.9X
 OFUJ 78.41 328 eP 35 06.20 -0.4
 NVL 79.72 183 eP 35 15.00 1.7
 2.5s 124.00nm 5.5mb
 Z 17s 2.00um 5.5mszX
 N 17s 1.50um
 E 17s 1.50um
 ePP 38 15.00
 ePPP 39 59.00
 e 40 58.00
 eS 45 12.00
 eSS 50 00.00
 HOOJ 80.41 331 eP 35 18.40 1.1
 KUSJ 80.42 333 eP 35 18.40 1.0
 PAF 81.28 218 e(P) 35 33.00 11.0X
 e(SS) 51 52.00
 ASAJ 82.10 332 P 35 27.30 1.1
 QZH 82.19 304 P 35 28.00 1.0
 1.2s 13.00nm 4.8mb
 Z 22s 2.58um 5.5msz
 SMY 82.34 355 P 35 30.00 2.8
 Z 21s 3.92um 5.7msz
 BCH 83.85 44 eP 35 35.42 -0.1

14d 01h

JEGM	84.06	41 (P)	35 36.24	-0.1	BMW	89.99	34 eP	36 05.17	0.1	LR	08 55.00	
SAO	84.13	42 P	35 50.00	13.3X	CN2	90.01	322 Pd	36 05.00	-0.1	LPZ	97.71	114 P
	Z 18s	8.03um		6.1Msz		1.6s	190.00nm		6.1mb	LZH	98.91	306 eP
SSE	84.21	311 iPc	35 37.00	-0.2	N 18s		0.37um				1.5s	48.00nm
	1.0s	23.00nm		5.3mb	E 18s		1.13um			Z 24s	1.97um	
	Z 20s	3.20um		5.7Msz			esP	36 23.00		E 16s	1.01um	5.5MszX
	N 16s	1.00um					SKS	46 36.00			sP	37 05.00
	E 16s	1.60um			TIA	90.04	312 Pc	36 06.10	0.7		SKS	47 24.00
	eSS	51 20.00				1.3s	80.00nm		5.8mb	RSSD	99.07	44 eP
ARN	84.48	41 eP	35 38.57	0.0	Z 27s		3.63um		5.7MszX		0.9s	5.55nm
PLM	84.63	47 eP	35 39.89	0.3	N 13s		0.54um			Z 20s	3.47um	5.9Msz
PEC	84.79	46 eP	35 39.38	-0.8	SHW	90.27	35 eP	36 06.10	-0.4		e	36 57.82
	1.8s	63.79nm		5.5mb	MSU	90.83	45 eP	36 09.59	0.2	FVM	105.10	55 PKP
PET	84.95	346 eP	35 40.00	-0.4	LON	90.87	34 eP	36 07.62	-1.5		Z 19s	2.29um
		eS	46 12.00		GMW	90.96	33 eP	36 08.87	-0.6	SLM	105.52	54 PKP
GZH	84.96	300 P	35 40.00	-1.2	RMW	91.37	34 eP	36 10.80	-0.6		Z 18s	0.81um
	Z 22s	1.30um		5.3Msz	GYA	91.88	299 iPc	36 16.00	1.7	SUR	116.08	197 ePKP
ISA	85.15	44 eP	35 41.88	-0.1		Z 24s	2.12um		5.5MszX		0.5s	30.00nm
	1.5s	54.96nm		5.5mb	N 20s		1.42um			BLF	117.55	203 ePKP
	Z 18s	3.47um		5.8Msz	E 20s		0.96um			RSNY	118.58	53 PKP
KMPM	85.21	38 eP	35 43.83	1.7			PP	39 50.00			Z 19s	1.63um
IPM	85.25	278 ePd	35 42.90	0.1	SVV	92.05	10 eP	36 11.61	-2.6	NRI	119.06	336 (PKP)
	0.5s	13.80nm		5.4mb		1.1s	14.64nm		5.3mb		1.5s	13.00nm
QIZ	85.41	295 eP	35 44.00	0.5	CRZF	92.36	211 eP	36 24.00	7.9X			e
	N 20s	2.38um					eS	47 36.00				i
	S	46 12.00			ALQ	92.43	51 eP	36 16.88	0.2	HRV	120.18	56 PKP
CMB	85.61	41 eP	35 53.64	9.4X		1.5s	18.89nm		5.3mb		Z 18s	2.37um
	Z 17s	5.00um		6.0MszX	SLKM	92.43	13 eP	36 14.97	-1.0	LBNH	120.32	54 PKP
		eS	46 16.64		HVU	92.48	42 eP	36 16.68	-0.1		Z 18s	2.34um
		eSS	52 00.64				e	36 27.26	33km	FRU	122.31	304 ePKP
		eLQ	57 35.64		DAU	92.55	44 (P)	36 17.45	0.1		2.0s	60.00nm
		eLR	02 10.64		CP2	92.76	12 (P)	36 16.03	-1.6	BUL	124.71	210 iPKP
CMB	85.61	41 eP	35 44.16	0.0	CRP	92.78	12 eP	36 15.85	-1.8		1.0s	13.00nm
	1.2s	21.03nm		5.2mb	BJI	92.94	315 eP	36 19.00	0.3	KRI	127.16	213 iPKP
	Z 18s	6.04um		6.0Msz		1.5s	57.00nm		5.8mb	LSZ	129.18	212 iPKPc
GLA	85.74	48 eP	35 45.37	0.4		Z 24s	1.59um		5.4MszX		i	44 24.00
GSC	85.93	45 eP	35 45.46	-0.4	N 18s		1.29um			SVE	131.80	321 ePKPc
ORV	86.03	40 eP	35 57.67	11.5X			eSKS	46 52.00			e	42 22.80
	Z 17s	4.00um		5.9MszX	PV08	93.08	47 (P)	36 20.72	0.9	MAIO	132.66	294 ePKP
		eS	46 24.67		SIT	93.23	21 P	36 30.00	10.4X		i	45 34.00
		eSS	51 39.67			Z 20s	1.84um		5.5Msz	ARU	132.98	321 ePKP
		eLQ	58 23.67		PTI	93.39	42 (P)	36 21.71	0.8	ASH	133.79	296 ePKP
		eLR	02 22.67		PMR	93.64	13 eP	36 19.56	-1.8	TAB	143.27	295 iPKP+
ORV	86.03	40 eP	35 46.40	0.2		1.4s	32.40nm		5.6mb	GRO	143.40	304 iPKPc+
WDC	86.17	38 eP	35 32.21	-14.6X		Z 19s	1.98um		5.6Msz		2.0s	240.00nm
	Z 18s	4.40um		5.9Msz	TTA	93.73	9 eP	36 17.60	-4.3X		i	42 55.00
		eS	46 27.21			1.1s	6.02nm		4.9mb	KAF	144.06	341 ePKP
		eSS	52 07.21		TIY	93.96	311 eP	36 23.00	-0.5		0.7s	6.80nm
		eLQ	58 15.21			Z 22s	4.13um		5.8Msz	MOS	144.13	327 iPKPd
		eLR	02 27.21			E 20s	2.42um				e	42 48.00
WDC	86.17	38 eP	35 46.69	-0.1			pP	36 35.00	39km		e	46 00.00
	Z 19s	4.36um		5.9Msz	KMI	94.21	296 eP	36 26.00	0.8	MTA	144.25	301 iPKP
		e	35 57.40	34km		1.8s	40.00nm		5.5mb	ERE	144.61	299 iPKP+
LGPM	86.25	38 eP	35 48.23	0.8		Z 20s	3.00um		5.8Msz	PUL	144.61	336 (PKP)
NJ2	86.36	310 Pc	35 49.00	1.1		N 19s	1.70um				1.8s	190.00nm
	Z 21s	1.20um		5.3Msz		E 19s	1.80um				Z 20s	1.20um
		S	46 17.00				pP	36 36.50	33km		N 20s	0.60um
BONR	86.77	43 eP	35 49.79	-0.5				36 30.00	5.5X	OBN	144.97	326 ePKP
YBH	86.89	38 eP	35 58.52	8.1X	NEW	94.24	35 P	36 30.00	6.3Msz		Z 21s	1385.20um
	Z 20s	2.00um		5.5Msz	XAN	94.30	307 P	36 25.50	0.4			(pPKP)42 56.40
		eS	46 24.52			1.2s	11.00nm		5.2mb			(sPKP)43 02.60
		eSS	51 47.52			Z 24s	2.28um		5.6MszX			e()
		eLQ	58 43.52			N 16s	0.96um					(SKS) 49 39.90
		eLR	02 46.52				pP	36 36.00	33km			(SKKS)52 55.20
TNP	87.50	43 eP	35 54.23	0.6			sP	36 40.00		OBN	144.97	326 iPKPc+42 41.50
	0.9s	12.27nm		5.2mb				36 40.00	7.7X		2.0s	560.00nm
TUC	87.96	51 eP	35 57.12	1.3	GOL	95.82	47 P	36 40.00	5.6Msz		Z 22s	1.30um
	1.3s	37.47nm		5.5mb		Z 20s	2.26um		5.6Msz		N 24s	0.80um
	Z 18s	2.12um		5.6Msz	GLD	95.94	47 (P)	36 33.60	0.8		E 20s	0.70um
MDJ	88.44	325 eP	35 58.10	0.4		Z 21s	2.80um		5.7Msz			e
	1.5s	74.00nm		5.8mb	HHC	96.28	314 eP	36 35.00	0.8			46 05.00
		SKS	46 24.00			Z 24s	4.58um		5.9MszX	PYA	145.17	306 iPKPc+42 43.00
WHN	88.53	307 eP	36 00.00	1.6		N 22s	2.58um				1.3s	370.00nm
	Z 22s	3.22um		5.7Msz		E 21s	2.97um			NUR	145.84	341 iPKP
	E 16s	1.38um					SKS	47 07.00			0.7s	66.00nm
		SKS	46 24.00		CD2	96.37	302 eP	36 35.00	0.3	MOL	146.88	356 ePKP
		S	46 32.00			Z 22s	3.30um		5.8Msz	NB2	148.08	352 PKP
DL2	88.93	317 eP	36 00.00	-0.1		E 22s	3.93um				0.9s	19.00nm
	Z 22s	0.92um		5.2Msz	CNCB	97.54	114 iPd	36 49.60	8.6X	NRA0	148.34	352 iPKPc
		SKS	46 20.00				iPcP	36 57.40		NRE0	148.34	352 iPKPc
KDC	89.43	13 eP	36 00.62	-1.4			i	40 12.60				SKSP
	1.4s	30.04nm		5.4mb			iPP	40 43.30				SS
SNY	89.71	320 Pc	36 03.80	0.1			iSKS	47 20.20		SUE	148.52	358 ePKP
	1.5s	80.00nm		5.8mb			i	49 26.40		HFS	148.62	350 ePKP
	Z 26s	1.61um		5.3MszX			ePKKP	52 27.90			1.1s	44.80nm
	N 12s	0.53um					e	09 00.30		ANN	148.96	309 ePKP
		sS	47 04.00		LPB	97.60	114 eP	36 50.00	8.9X		2.0s	60.00nm

14d 01h

KONO	149.61	353	ePKP	42	31.90	-18.1X	TSM	9.62	293	ePc	36	35.50	0.8	1.0s	20.00nm	5.0mb						
MNK	149.85	331	iPKP	42	54.00	3.5X	KNA	16.35	173	eP	38	04.50	0.5		ipP	50	22.00	37km				
Z	20s	2.10um				5.9Msz	WB2	21.71	160	iPd	39	04.80	-0.5		i	51	43.00					
KMY	150.35	358	ePKP	42	56.81	5.7X		0.5s	131.60nm				5.6mb X	STK	35.38	256	iPd	50	20.00	1.9		
GAZ	150.54	294	iPKP	42	58.60	6.5X			eS	43	00.40				1.2s	23.20nm				5.0mb		
KVT	150.84	302	ePKP	42	59.50	6.9X	MBL	22.65	197	iPd	39	13.20	-1.3	ADE	37.45	250	e(P)	50	37.90	2.4		
SIM	151.07	311	ePKP	42	40.00	-12.7X		0.5s	10.00nm				4.5mb	WB2	44.85	271	iPc	51	35.40	-1.1		
BNN	151.39	298	ePKP	43	02.00	8.4X	QIS	24.48	150	eP	39	33.10	0.7		0.7s	53.60nm				5.5mb		
MASJ	151.80	283	PKPd	43	03.20	8.9X	QIZ	24.73	319	eP	39	35.00	0.2	WRA	44.86	271	P	51	36.70	0.1		
SALJ	151.84	283	PKPc	43	03.10	8.7X	NANU	25.48	205	eP	39	40.70	-1.1		0.8s	21.60nm				5.0mb		
KAS	152.44	304	ePKP	43	03.50	8.6X	CTA	28.05	138	iPd	40	06.00	0.6	FORT	46.96	254	eP	51	53.00	0.0		
MUD	152.79	352	ePKP	43	14.00	19.2X		1.3s	14.42nm				4.5mb	COOL	52.69	252	eP	52	36.00	-1.0		
COP	153.07	348	ePKP	43	10.00	14.8X	MRWA	31.37	198	eP	40	33.00	-1.9	KLB	55.28	250	eP	52	55.00	-0.9		
Z	20s	0.92um				5.6Msz	STK	35.21	158	iPd	41	07.70	-0.4	CSY	56.04	208	eP	53	02.30	1.4		
KIS	153.43	318	ePKP	42	54.00	-2.0		0.7s	15.60nm				5.0mb		0.5s	85.60nm				6.0mb		
CFR	154.79	315	ePKP	43	07.00	9.1X			ePcP	43	37.30			BAL	56.43	251	eP	53	03.00	-1.2		
		e					TIA	36.56	347	eP	41	20.00	0.5	MUN	56.44	249	eP	53	03.00	-1.2		
PJT	154.89	320	ePKP	43	06.00	8.0X	MAT	37.32	15	eP	41	25.00	-0.9	MBL	56.99	263	iPd	53	06.40	-1.9		
OJC	155.80	333	ePKP	43	01.00	1.8		1.5s	41.67nm				5.1mb		0.6s	20.00nm				5.3mb		
		e					BWA	40.31	152	eP	41	52.60	1.8	MRWA	57.45	253	eP	53	11.00	-0.4		
UZH	155.90	327	ePKP	43	02.50	3.2X	BJI	40.44	347	eP	41	52.50	0.7	NANU	60.15	260	eP	53	29.00	-1.2		
		e						1.5s	86.00nm				5.3mb	SPA	60.37	180	iPd	53	34.10	2.7		
		e					SNY	41.16	356	eP	41	57.80	0.2		0.9s	100.00nm				5.9mb		
MLR	155.96	318	ePKP	43	13.00	13.3X		1.2s	32.00nm				4.9mb	Z	21s	12.75um				6.0MszX		
		e					CAN	41.31	152	eP	41	59.90	0.8	MAW	73.15	200	P	54	54.00	2.0		
KSP	156.53	338	ePKP	43	00.00	-0.1	HHC	42.39	343	PC	42	09.80	1.9		1.0s	41.67nm				5.3mb		
		e						1.2s	36.00nm				5.0mb	LEM	73.88	271	iPd	54	57.50	0.2		
		e					MDJ	43.92	3	eP	42	20.60	0.5	MAT	78.20	325	eP	55	18.00	-3.0X		
		i						1.0s	19.00nm				4.8mb		1.0s	15.00nm				5.0mb		
TNR	156.83	320	ePKPd	43	13.00	12.3X	GUN	47.64	308	P	42	49.40	-1.1	NVL	79.52	183	eP	55	30.00	2.4		
CLL	157.05	344	ePKP	43	00.00	-0.7	KKN	48.06	308	P	42	52.00	-1.6		2.0s	50.00nm				5.1mb		
BRG	157.20	342	ePKP	43	02.60	1.7	DMN	48.12	308	P	42	52.80	-1.3			e				57	25.00	531kmX
	1.6s	27.00nm					HYB	50.27	292	eP	43	08.40	-2.0			e				05	26.00	
PRU	157.83	340	ePKP	43	01.70	0.0	GBA	50.51	287	P	43	10.00	-2.2	SNA	80.11	178	e(P)	55	35.00	4.2X		
	1.9s	93.60nm					WMQ	55.33	326	iPd	43	48.80	1.1		0.9s	40.34nm				5.4mb		
		e						1.0s	42.00nm				5.4mb	SSE	84.30	311	P	55	53.00	-0.1		
		e					Z	22s	2.20um				5.2Msz		1.0s	19.00nm				5.2mb		
		i					YAK	61.32	2	eP	44	27.80	-1.3	YSS	84.61	334	iPc	55	53.30	-1.0		
		ePP						0.9s	46.00nm				5.6mb X		1.0s	30.00nm				5.4mb		
		SKKS					Z	24s	1.70um				5.1MszX			e				56	04.80	37km
MOX	157.99	345	ePKP	43	12.20	10.3X	N	25s	1.00um					PET	85.13	346	eP	55	39.00	-17.7X		
	2.5s	151.00nm					E	25s	1.30um					IPM	85.23	278	eP	55	58.00	-0.2		
	Z	19s	1.20um			5.8Msz			e				47	40.00								
ZST	158.48	334	ePKP	43	02.40	-0.1			e				48	36.00		KMPM	85.39	38	(P)	55	57.76	-0.7
		i					TTA	83.68	27	ePc	46	42.81	1.5	CMB	85.79	41	eP	55	58.46	-2.0		
KHC	158.88	340	ePKP	43	02.00	-1.0		1.3s	15.91nm				4.9mb		0.9s	8.37nm					5.0mb	
	Z	20s	1.70um			5.9Msz	TCA	147.57	162	ePKP	53	56.00	0.9	GLA	85.91	48	eP	56	02.32	1.1		
	N	20s	0.30um				LPZ	158.57	137	PKP	54	12.90	1.4	GSC	86.10	45	eP	56	01.20	-0.9		
	E	20s	0.30um					S.D. = 1.3	on	31	of	32	obs.	WDC	86.35	38	(P)	56	00.81	-2.3		
		i													1.0s	12.50nm				5.1mb		
GRF	158.97	345	ePKP	43	04.50	1.5		SEP	14, 1993	01h	43m	24.40 ± 0.34s		NJ2	86.45	310	Pc	56	07.00	3.2X		
	Z	21s	2.00um			5.9Msz		29.794 S ± 8.2km		177.095 W ± 8.8km				Z	18s	1.00um				5.3Msz		
GEC2	159.09	340	ePKP	43	01.00	-2.3		DEPTH = 42.8km		(5 depth phases)				BONR	86.95	43	eP	56	05.59	-0.9		
	1.9s	6.37nm						5.3mb (29 obs.)		5.7Msz (6 obs.)			TUC	88.12	51	(P)	56	14.16	2.2			
GEC2	159.09	340	ePKP	43	14.70	11.4X		KERMADEC ISLANDS, NEW ZEALAND		(178)					1.2s	16.89nm				5.2mb		
	1.6s	5.79nm						Felt (III) on Raoul Island.					MDJ	88.57	325	eP	56	13.60	-0.1			
		e												1.3s	50.00nm				5.7mb			
GEC2	159.09	340	ePKP	43	09.00	5.7X										eSKS				06	40.00	
	0.9s	1.25nm					RAO	0.90	307	iP	43	42.00	1.3	WHN	88.61	307	eP	56	17.50	3.3X		
		e					PUZ	9.11	204	eP	45	31.60	-4.8X	DL2	89.04	317	P	56	17.00	0.9		
		e							eS				47	18.70								
SKO	160.63	315	iPKP	43	03.00	-2.0	OUZ	9.54	233	eP	45	48.10	5.9X		Z	16s	0.59um				5.1MszX	
KBA	160.77	338	(PKP)	43	08.80	3.6X	URZ	9.71	208	eP	45	40.80	-3.8X	E	18s	1.76um						
		i							eS				47	34.00		SKS				06	40.00	
WTTA	161.12	341	iPKPd	43	05.90	0.3	MRW	13.21	208	P	46	36.00	4.3X			S				06	56.00	
		i							S				48	49.00								
LJU	161.24	334	(PKP)	43	06.00	0.5	THZ	14.43	211	eP	46	44.70	-3.0X	KDC	89.63	13	eP	56	16.02	-2.4		
VBY	161.40	332	ePKP	43	09.90	4.2X			eS				49	21.80			1.2s	23.36nm			5.4mb	
OHR	161.50	313	ePKP	43	06.00	0.0	KHZ	14.68	208	eP	46	48.90	-2.0	SNY	89.83	320	Pc	56	18.70	-1.0		
		iPKPab43				50.50			eS				49	26.50			1.4s	67.00nm			5.8mb	
	S.D. = 1.4	on 132 of 203 obs.							eS				49	00.00		Z	20s	2.30um			5.6Msz	
							LITZ	15.52	211	eP	47	00.00	-1.9									
	SEP	14, 1993	01h	34m	15.74 ± 1.08s		WVZ	16.46	213	eP	47	12.00	-1.7	TIA	90.14	312	eP	56	21.00	-0.3		
		0.582 N ± 6.3km			126.765 E ± 8.0km		BWZ	17.97	211	eP	47	30.90	-1.6		Z	28s	2.31um				5.5MszX	
		DEPTH = 42.1 ± 10.8 km					BKM	18.03	309	iPc	47	34.10	0.7	N	17s	1.12um						
		5.0mb (10 obs.)			5.2Msz (1 obs.)		ODZ	18.04	209	eP	47	32.20	-1.2	E	17s	0.93um						
		NORTHERN MOLUCCA SEA			(266)		BRS	26.53	268	iPd	49	03.50	3.5X			sP				56	41.00	
								1.0s	25.00nm				4.8mb	CN2	90.14	322	Pd	56	20.20	-0.9		
									i				49	15.00			1.4s	140.00nm			6.1mb	
									i				49	20.50		N	18s	0.49um				
TNE	0.61	69	iP	34	26.00	-2.0	ARMA	27.02	261	eP	49	09.20	4.6X	E	18s	1.13um						
MNI	2.																					

KHC	159.04	340	ePKP	03	30.50	12.0X
			e	03	54.00	
			e	04	04.50	
GEC2	159.26	340	ePKP	03	20.70	1.9
	1.2s	2.26nm	e	03	29.70	
SKO	160.73	314	ePKP	03	19.00	-1.4
			iPKPab04	03.00		
VBY	161.55	332	e(PKP)	03	38.00	16.9X
OHR	161.60	313	iPKP	03	21.70	0.3
			iPKPab04	05.50		
	S.D. = 1.5	on	79	of	116 obs.	

? SEP 14, 1993	02h	01m	09.08±	1.89s		
29.588 S	±33.6km	176.615 W	±25.9km			
DEPTH =	33.0km	(normal)				
4.2mb (4 obs.)					
KERMADEC ISLANDS REGION						(177)
RAO	1.19	286	eP	01	30.50	1.1
STK	35.84	256	eP	08	08.40	0.8
	0.8s	1.40nm	eP	08	21.50	3.9mb
			eP	08	21.50	49kmX
WB2	45.27	271	eP	09	23.70	-1.8
	0.5s	3.50nm				4.5mb
WRA	45.28	271	P	09	24.50	-1.1
	0.7s	1.20nm				3.9mb
CSY	56.42	208	eP	10	49.90	0.5
	0.5s	7.90nm				5.0mb
NUR	145.95	341	ePKP	20	46.00	0.6
NB2	148.12	353	PKP	20	51.80	2.8X
	0.7s	1.00nm				
SLL	148.40	351	ePKP	20	53.50	4.1X
	0.3s	0.70nm				
	S.D. = 1.5	on	6	of	8 obs.	

? SEP 14, 1993	02h	11m	20.05±	1.46s		
14.497 N	±19.1km	93.207 W	±11.0km			
DEPTH =	33.0km	(normal)				
4.3mb (1 obs.)					
NEAR COAST OF CHIAPAS, MEXICO						(69)
TPX	1.00	66	iPc	11	38.20	0.4
			iS	11	54.32	
SCX	2.29	14	iP	11	58.75	2.5
			iS	12	29.23	
GCG	2.59	88	iPd	12	01.75	1.0
			iS	12	37.66	
IXG	2.69	97	iPd	12	01.01	-1.1
			iS	12	36.36	
YUP	3.31	95	ePc	12	11.53	0.5
			eS	12	44.02	
OXX	4.25	308	iP	12	30.78	6.5X
		(S)		13	15.39	
LVVM	6.06	330	(P)	12	48.72	-1.0
IIIT	6.64	313	(P)	12	37.41	-20.7X
PPM	6.90	312	eP	13	06.54	4.6X
IIA	6.97	312	iP	13	09.15	6.6X
		(S)		14	21.00	
III	7.14	304	iP	13	06.50	1.4
CRX	7.89	309	(P)	13	09.00	-6.7X
MRX	9.22	305	(P)	13	27.65	-6.2X
LTX	17.65	328	eP	15	26.00	0.8
UYO	19.62	357	iPc	15	46.40	-2.3
MIAR	19.96	359	eP	15	50.16	-2.2
	1.0s	15.66nm				4.3mb
			e	15	54.28	
JSC	22.46	27	(P)	16	17.19	-0.5
ALQ	23.60	332	ePc	16	30.50	1.4
LRM	35.19	336	eP	18	12.90	-0.4
GBA	150.58	19	PKP	31	05.00	-0.4
	S.D. = 1.5	on	14	of	20 obs.	

% SEP 14, 1993	03h	22m	22.95±	1.10s		
40.046 N	±10.7km	24.874 E	± 7.3km			
DEPTH =	10.0km	(geophysicist)				
AEGEAN SEA						(365)
ML 2.6 (THE).						
OUR	0.74	293	ePg	22	37.60	0.1
			eSg	22	47.16	
PAIG	0.93	263	ePg	22	40.82	0.2
			eSg	22	52.96	
ALN	1.23	46	ePb	22	45.88	0.0

			eSb	23	08.56	
THE	1.57	292	ePb	22	50.72	-0.2
LIT	1.83	272	ePb	22	54.88	0.2
GRG	2.09	297	iPn	22	58.36	-0.2
AGG	2.22	243	ePn	23	00.24	-0.1
	S.D. = 0.3	on		9 of		9 obs.

* SEP 14, 1993 03h 38m 33.54± 0.76s						
6.794 N ±10.8km 72.981 W ±15.2km						
DEPTH = 169.6 ± 9.9 km						
NORTHERN COLOMBIA (99)						
FUQ	1.52	210	iPd	39	04.50	-1.0
BOG	2.41	207	iP	39	16.00	0.6
			iS	49	37.00	
SDV	3.12	48	iPnc	39	25.00	1.1
			iSn	40	03.30	
TOV	4.34	46	ePnd	39	40.00	0.6
			eSn	40	28.60	
MORO	6.14	48	eP	40	02.20	-1.0
GUAC	6.58	59	eP	40	08.70	-0.4
LPAZ	23.43	168	P	43	28.70	-0.7
LPB	23.67	168	P	43	32.40	0.9
JAQ	46.92	358	eP	46	47.00	-1.6
ULM	47.36	340	eP	46	53.50	1.4
WB2	150.43	241	ePKP	58	06.50	4.9X
	0.4s		2.70nm			
	S.D. = 1.3	on		10 of		11 obs.

SEP 14, 1993 03h 59m 27.81± 0.32s						
14.231 N ± 5.4km 93.114 W ± 4.1km						
DEPTH = 31.2km (9 depth phases)						
5.1mb (35 obs.) 5.1MsZ (21 obs.)						
NEAR COAST OF CHIAPAS, MEXICO (69)						
Mw 5.6 (HRV). Ms 5.1 (BRK).						
CENTROID, MOMENT TENSOR (HRV)						
Data Used: GDSN						
L.P.B.: 42S, 68C						
Centroid Location:						
Origin Time 03:59:29.1 0.3						
Lat 14.19N 0.04 Lon 93.33W 0.04						
Dep 16.3 2.1 Half-duration 1.4						
Moment Tensor; Scale 10**17 Nm						
Mrr=- 1.37 0.07 Mtt=-1.11 0.07						
Mff=-0.26 0.11 Mrt= 2.09 0.33						
Mrf=-1.27 0.23 Mtf= 0.38 0.06						
Principal Axes:						
T Val= 2.84 Plg=59 Azm= 35						
N -0.14 4 299						
P -2.70 31 207						
Best Double Couple:Mo=2.8*10**17						
NP1:Strike=284 Dip=15 Slip= 75						
NP2: 120 76 94						

TPX	1.06	51	iPd	59	48.29	1.7
			(S)	00	05.50	
GCG	2.53	82	iP	00	09.64	1.9
			iS	00	56.74	
SCX	2.53	10	iP	00	10.00	2.3
			iS	00	45.89	
IXG	2.58	91	iP	00	09.08	0.6
			iS	00	51.55	
YUP	3.21	90	iPc	00	18.26	0.8
			iS	00	51.93	
OXX	4.49	310	iP	00	35.64	0.0
LVVM	6.34	330	(P)	01	06.30	4.8X
IIT	6.89	314	iP	01	10.21	0.6
			(S)	02	50.06	
PPM	7.14	313	iP	01	14.89	1.5
IIA	7.22	313	iP	01	15.35	1.4
III	7.36	305	iP	01	15.40	-0.7
UNM	7.71	312	(P)	01	23.00	1.9
			(S)	02	50.06	
CRX	8.12	310	(P)	01	15.00	-11.9X
MRX	9.45	306	iP	01	45.43	0.5
LTX	17.92	329	eP	03	35.96	-0.6
UYO	19.89	357	iPc	03	58.50	-1.1
MIAR	20.23	359	eP	04	02.95	-0.2
	2.2s		536.70nm			5.5mb
PSO	20.29	128	eP	04	07.00	2.7
BOG	21.06	115	eP	04	14.00	1.8
			iS	08	16.00	
TUL	21.72	354	iP	04	18.70	0.3
HBF	21.94	30	eP	04	21.39	0.9
PRM	22.03	24	eP	04	20.18	-1.3
SGS	22.09	29	eP	04	21.77	-0.2
MYNC	22.28	20	eP	04	24.51	0.6

JSC	2.1s	168.00nm	5.1mb	LRM	35.46	336 eP	16 54.67	GRF	88.29	39 eP	12 18.00	0.4
	22.66	26 eP	04 26.44 -1.2	ULM	35.99	357 eP	06 23.80 0.1	Z	22s	0.90um		5.1MsZ
		e	04 43.02 73kmX	WDC	36.72	321 P	06 28.50 0.7	TIK	89.82	348 iPd	12 25.00	0.6
GBTN	22.80	19 eP	04 29.52 0.5				06 40.00 6.0X		1.4s	22.00nm		5.2mb
ACO	23.02	348 iPd	04 30.60 -0.6	Z	20s	3.07um	5.1MsZ			i	12 35.00	31km
LHS	23.03	27 eP	04 30.20 -1.0	LBFM	36.80	323 eP	06 35.22 0.2	GEC2	90.11	39 eP	12 27.00	0.7
ELC	23.22	8 eP	04 31.53 -1.6	ARE	37.23	144 eP	06 34.00 -4.9X		1.0s	4.14nm		4.7mb
TOV	23.23	98 eP	04 34.00 0.6	YBH	37.52	323 eP	06 48.52 7.7X			e	12 32.60	17kmX
FVM	23.78	5 eP	04 37.83 -0.7	Z	20s	3.90um	5.2MsZ			e	12 42.50	
	1.0s	19.14nm	4.6mb			eS	12 26.52	PRU	90.19	38 eP	12 23.00	-3.5X
Z	19s	5.74um	5.1MsZ			eLQ	14 36.52	Z	18s	1.20um		5.4MsZ
ALQ	23.88	332 eP	04 40.13 0.4	FHC	37.73	320 (P)	06 45.74 3.1X			e	12 27.30	13kmX
	1.0s	24.34nm	4.7mb		1.6s	338.25nm	5.9mb	ZST	92.45	39 eP	12 37.40	0.5
TUC	24.17	321 eP	04 43.62 1.1	VGB	38.96	329 (P)	06 54.31 1.5	SPC	93.89	37 eP	12 38.50	-5.3X
	1.4s	173.10nm	5.4mb	LPAPZ	39.10	140 iPc	06 55.10 0.2	NRI	96.58	360 eP	12 55.00	-0.5
CEH	24.97	28 eP	04 48.30 -1.8	LPB	39.30	140 P	06 55.80 -0.6		1.8s	15.00nm		5.2mb
	1.1s	139.15nm	5.5mb	Z	15s	5.13um	5.5MsZ	OBN	98.99	27 (P)	13 10.00	3.4X
NAV	25.48	23 eP	04 53.36 -1.5			LR	20 46.00	Z	22s	0.80um		5.2MsZ
		e	05 10.25 74kmX	NEW	39.32	335 eP	06 54.86 -0.9	N	22s	0.60um		
BLA	25.53	24 (P)	04 55.20 -0.2		1.2s	30.57nm	4.9mb	E	22s	0.60um		
	1.4s	48.31nm	4.9mb	Z	20s	7.39um	5.5MsZ			e	24 22.00	
CAR	25.84	95 ePc	05 00.00 1.5	DPW	39.47	333 eP	06 57.00 -0.1			e	26 50.00	
GLA	27.22	317 eP	05 11.19 0.1	ASR	39.81	329 P	07 01.09 1.1	ANN	105.97	34 ePd	diff13	48.00 10.1X
GLD	27.56	340 ePd	05 14.93 0.7	NAC	39.84	330 P	07 00.76 0.6	N	17s	1.50um		
	1.5s	57.45nm	5.0mb	EBG	39.84	330 P	07 00.99 0.8	E	17s	1.50um		
Z	18s	2.13um	4.7MsZ	MTMW	40.04	328 P	07 04.61 2.8	STK	127.23	241 ePKP	18 31.00	-0.4
GOL	27.56	339 eP	05 13.80 -0.5	WTV	40.13	332 P	07 02.83 0.3		1.8s	2.60nm		
	1.5s	103.09nm	5.3mb	ETW	40.23	331 P	07 03.90 0.4	LZH	127.45	343 ePKP	18 46.50	14.6X
Z	20s	2.34um	4.8MsZ	LON	40.34	329 eP	07 18.62 14.4X	Z	27s	0.74um		5.2MsZ
CBN	27.66	27 e(P)	05 13.00 -1.8	RMW	40.83	330 (P)	07 08.15 -0.1	N	16s	1.23um		
PV08	27.87	333 eP	05 17.81 0.6	CCH	41.18	139 eP	07 12.00 0.3	CHTO	145.08	340 ePKP	19 02.20	-2.4
PV10	27.88	333 eP	05 16.39 -0.8	GMW	41.37	330 eP	07 12.09 -0.5	LOE	145.32	335 ePKP	19 04.00	-1.0
		e	05 25.61 32km	JCW	41.41	331 P	07 12.17 -0.7	HYB	147.50	15 ePKP	19 10.50	1.9
PV09	28.02	333 eP	05 18.88 0.4	MCW	42.1							

			e	58	43.40	
			e	58	51.50	
			eSg	59	04.50	
HOF	2.60	250	ePn	58	09.60	0.4
MOX	2.65	258	iPg	58	18.90	8.9X
			eSg	58	57.70	
GEC2	2.74	209	Pn	58	13.00	1.7
			Pg	58	18.50	
			Sg	59	00.10	
WET	2.79	221	eP	58	12.90	1.0
OJC	2.81	110	eP	58	13.30	1.1
			eS	58	49.50	
VKA	3.03	172	iPgC	58	24.30	9.0X
			iSg	59	08.00	
S.D. = 1.7 on 7 of 12 obs.						

* SEP 14, 1993 05h 21m 12.53± 0.81s						
14.410 N ±14.9km 53.566 E ± 9.5km						
DEPTH = 10.0km (geophysicist)						
4.7mb (11 obs.) 4.3Msz (2 obs.)						
ARABIAN SEA (417)						

KMSA	10.49	306	eP	23	44.00	-2.2
RYD	12.17	328	eP	24	15.30	6.4X
			eS	28	10.00	
DHR	12.26	345	eP	24	16.00	5.9X
AFIF	13.74	316	eP	24	28.20	-1.8
MJMA	13.78	327	eP	24	17.30	-13.1X
QASM	14.94	323	eP	24	47.30	1.6
WAJH	19.76	309	eP	25	49.00	3.3X
POO	19.88	75	eP	25	48.00	1.0
MAIO	22.44	13	eP	26	13.00	-0.1
			e	27	36.00	
GBA	23.17	89	P	26	21.00	0.7
HYB	24.21	80	eP	26	32.00	1.5
TAB	24.42	346	eP	26	35.00	2.5
DMN	32.13	61	P	27	41.80	-1.0
KKN	32.33	61	P	27	43.20	-1.3
	0.8s	42.00nm				5.4mb
GUN	32.88	61	P	27	48.60	-0.8
MTD	37.84	216	iPd	28	16.70	-14.7X
			i	28	22.50	
BUL	42.20	216	eP	29	08.10	0.5
OBN	42.69	346	eP	29	12.50	1.5
	1.0s	14.00nm				4.6mb
Z	22s	0.60um				4.4Msz
N	20s	0.60um				
		i	29	18.00		
		ePP	30	50.50		
		e	33	16.00		
		(S)	35	36.00		
		(SS)	39	00.00		
		LQ	44	10.00		
		LR	46	36.00		
BDT	43.73	80	eP	29	17.50	-2.5
ZST	45.16	326	eP	29	31.60	0.5
KSP	47.15	328	eP	29	47.50	0.7
GEC2	47.39	325	eP	29	49.90	1.0
	1.3s	5.53nm				4.5mb
BRG	48.38	327	e(P)	29	40.20	-16.2X
		e	30	02.30		
LBF	52.39	319	eP	30	31.80	4.6X
	1.0s	14.60nm				4.9mb
LOR	52.57	319	eP	30	29.40	0.9
	1.1s	12.70nm				4.8mb
SSF	52.72	319	eP	30	34.20	4.6X
	1.3s	26.00nm				5.0mb
HFS	54.11	337	eP	30	38.20	-1.4
	0.7s	5.90nm				4.7mb
Z	18s	0.19um				4.2Msz
		LR	53	54.00		
NB2	55.63	337	P	30	49.00	-1.8
	0.7s	1.70nm				4.2mb
WRA	86.43	112	P	33	58.30	1.3
	0.8s	2.00nm				4.4mb
WB2	86.44	112	eP	33	56.20	-0.9
	0.8s	2.50nm				4.5mb
ASPA	87.11	115	iPd	34	05.10	4.8X
	0.6s	7.10nm				5.1mb
S.D. = 1.5 on 22 of 31 obs.						

* SEP 14, 1993 05h 33m 42.02± 1.30s						
13.905 N ±17.5km 93.215 W ± 6.4km						
DEPTH = 33.0km (normal)						

GC	2.69	75	iPd	34	22.50	
			iS	34	24.94	0.9
			iS	35	16.80	
IXG	2.69	84	iP	34	23.76	-0.4
SCX	2.87	11	iP	34	27.20	0.8
			iS	34	59.00	
YUP	3.33	85	ePc	34	33.57	0.4
			eS	34	53.93	
OXK	4.63	313	iP	34	52.02	0.4
PPM	7.30	315	iP	35	29.50	-0.1
			(S)	36	42.00	
IIA	7.38	316	iP	35	31.52	1.4
III	7.47	307	iP	35	30.70	-1.0
MRX	9.57	308	iP	36	01.91	1.3
LTX	18.15	329	eP	37	53.20	-0.2
UYO	20.20	357	iPc	38	15.10	-1.8
ALQ	24.12	333	eP	38	56.00	-0.1
ARUT	29.82	327	eP	39	48.61	0.1
			e	39	57.78	
LRM	35.72	337	eP	40	39.60	-0.3
			e	40	53.50	
INK	60.20	344	eP	43	47.50	-1.3
	S.D. = 0.9	on	16 of	16 obs.		

%	SEP 14, 1993	05h	51m	35.86±	1.01s	
	41.132 N ± 8.9km		28.734 E ± 7.7km			
	DEPTH = 10.0km		(geophysicist)			
TURKEY					(366)	
ML 2.7 (ISK).						
CTT	0.23	274	iPg	51	40.50	-0.3
			eSg	51	44.00	
HRT	0.77	113	iPn	51	51.00	0.0
KCT	0.93	198	ePn	51	53.00	-0.6
DMK	1.01	314	ePn	51	55.00	0.1
EDC	1.03	220	ePn	51	56.00	0.7
	S.D. = 0.7	on	5 of	5 obs.		

?	SEP 14, 1993	06h	01m	19.49±	1.13s	
	29.795 S ± 21.6km		177.306 W ± 18.7km			
	DEPTH = 33.0km		(normal)			
	4.2mb (4 obs.)					
KERMADEC ISLANDS, NEW ZEALAND					(178)	
RAO	0.76	315	iPc	01	34.00	0.3
			eS	01	43.00	
STK	35.21	256	eP	08	13.70	1.0
	1.0s	1.50nm			3.9mb	
		i	08	25.60		
ASPA	43.75	266	eP	09	24.30	0.6
	0.6s	4.20nm			4.4mb	
WB2	44.67	271	eP	09	30.00	-1.2
	1.0s	8.10nm			4.5mb	
WRA	44.68	271	P	09	30.50	-0.8
	1.0s	2.40nm			4.0mb	
NUR	145.95	341	iPKP	20	54.40	-1.4
NB2	148.24	352	PKP	21	00.40	0.8
	0.9s	4.30nm				
SLL	148.50	350	ePKP	21	00.70	0.7
	0.3s	1.50nm				
BCAO	150.66	214	ePKPd	21	10.00	5.3X
	0.8s	7.00nm				
		id	21	16.00		
	S.D. = 1.1	on	8 of	9 obs.		

SEP	14, 1993	07h	02m	46.64±	0.68s	
	38.742 N ± 5.3km		27.405 E ± 10.2km			
	DEPTH = 10.0km		(geophysicist)			
TURKEY					(366)	
ML 3.1 (ISK).						
IZM	0.36	198	iPg	02	53.30	-0.8
			eSg	02	59.30	
CIN	1.26	155	eP	03	11.00	1.0
DST	1.28	47	ePn	03	09.60	-0.9
EZN	1.37	323	iPn	03	11.80	0.1
EDC	1.64	12	ePn	03	16.00	0.4
KCT	1.68	26	ePn	03	16.00	-0.1
KGT	1.71	357	iPn	03	17.00	0.4
	S.D. = 0.8	on	7 of	7 obs.		

?	SEP 14, 1993	07h	10m	47.63±	1.84s	
	28.504 S ± 22.6km		177.201 W ± 31.6km			
	DEPTH = 33.0km		(normal)			

14d 07h

RAO 0.98 220 eP 11 05.00 0.0
 STK 35.63 254 eP 17 44.40 0.0
 1.1s 1.20nm 3.7mb
 ASPA 43.95 265 eP 18 53.20 -0.3
 1.2s 5.10nm 4.2mb
 WB2 44.75 270 iPc 19 00.20 0.2
 0.8s 4.60nm 4.4mb
 NUR 144.76 341 ePKP 30 22.00 0.0
 e 30 32.00
 NAO 147.23 353 PKP 30 40.10 14.0X
 1.0s 4.80nm
 BCAO 151.77 215 ePKPc 30 40.10 5.5X
 0.9s 9.00nm
 S.D. = 0.2 on 5 of 7 obs.

? SEP 14, 1993 07h 24m 29.47± 1.00s
 29.663 S ±12.9km 177.193 W ±16.8km
 DEPTH = 33.0km (normal)
 4.4mb (5 obs.)

KERMADEC ISLANDS, NEW ZEALAND (178)

RAO 0.75 303 iPc 25 44.50 60.9X
 S 25 53.00
 OUZ 9.55 232 eP 26 54.70 7.0X
 URZ 9.79 207 eP 26 45.90 -5.1X
 eS 28 38.40
 THZ 14.49 211 eP 27 54.60 0.5
 KHZ 14.76 208 eP 27 52.30 -5.2X
 BKM 17.88 309 iPc 28 38.50 1.2
 CTA 34.38 278 iPc 31 16.00 0.3
 STK 35.33 256 eP 31 24.40 0.6
 1.9s 3.00nm 3.9mb
 ASPA 43.86 266 iPd 32 33.90 -0.7
 0.9s 8.00nm 4.5mb
 WB2 44.76 271 iPd 32 40.70 -1.2
 0.8s 6.70nm 4.6mb
 WRA 44.77 271 P 32 41.00 -1.0
 0.8s 2.10nm 4.1mb
 CSY 56.12 208 iPc 34 08.00 0.4
 0.7s 22.60nm 5.3mb
 KAF 144.08 341 ePKP 43 58.30 -4.3X
 NUR 145.86 341 iPKP 44 04.20 -1.5
 0.6s 20.60nm
 NB2 148.12 352 PKP 44 10.40 1.0
 0.7s 5.00nm
 HFS 148.66 350 ePKP 44 10.60 0.4
 0.5s 2.10nm
 BCAO 150.82 214 iPKPd 44 19.90 5.0X
 0.5s 10.00nm
 id 44 27.10
 S.D. = 1.0 on 11 of 17 obs.

% SEP 14, 1993 07h 32m 07.63± 0.87s
 39.119 N ± 6.9km 27.590 E ± 8.6km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

IZM 0.76 200 ePg 32 22.30 -0.3
 eSg 32 34.00
 DST 0.94 59 ePn 32 26.10 0.5
 EZN 1.21 306 iPn 32 30.80 0.7
 EDC 1.24 10 ePn 32 30.00 -0.7
 KCT 1.27 27 iPn 32 31.50 0.2
 KGT 1.35 351 iPn 32 32.00 -0.4
 S.D. = 0.7 on 6 of 6 obs.

SEP 14, 1993 08h 13m 12.67± 0.79s
 49.149 N ± 6.5km 6.874 E ± 7.3km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 ML 2.5 (STR), 2.3 (UCC).

LANF 0.63 105 Pg 13 25.16 -0.3
 WLF 0.70 318 iPc 13 26.46 0.0
 iS 13 35.95
 HOFF 0.75 106 Pg 13 28.01 0.7
 CDF 0.78 160 Pg 13 27.52 -0.5
 Sg 13 40.43
 WLS 0.80 157 Pg 13 27.52 -0.8
 Sg 13 40.33
 ECH 0.95 168 Pg 13 30.66 -0.2
 Sg 13 44.10
 BSF 1.32 182 Pg 13 37.30 0.2
 FEL 1.48 149 Pg 13 40.87 1.4
 Sn 14 00.52

GEC2 4.51 91 Pn 14 21.90 -0.7
 Sn 15 15.00
 Sg 15 38.70
 S.D. = 0.8 on 9 of 9 obs.

& SEP 14, 1993 08h 18m 57.70s
 34.016 N 116.318 W
 DEPTH = 3.1km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.2 (PAS), 3.2 (GS).

PEC 0.71 260 iPc 19 10.90 -1.0
 PLM 0.80 215 iPd 19 12.81 -0.9
 eS 19 22.30
 SSK 1.16 280 ePc 19 18.83 -1.3
 eS 19 34.80
 GSC 1.34 343 eP 19 22.09 -1.1
 eS 19 40.64
 GLA 1.57 127 ePn 19 25.04 -1.6
 ISA 2.42 313 ePn 19 36.77 -2.1
 ABL 2.54 290 ePn 19 38.47 -2.2
 BCH 3.32 292 ePn 19 51.17 -0.5
 MMPM 4.21 329 ePg 20 15.39 10.9
 MEMM 4.22 330 ePg 20 14.90 10.6
 BONR 4.25 338 ePn 20 03.60 -1.4
 ARUT 4.43 31 ePn 20 07.72 0.2
 ePg 20 19.95
 MSU 5.60 36 ePn 20 23.98 -0.2
 13 obs. associated

? SEP 14, 1993 08h 20m 59.44± 3.40s
 21.375 S ±22.5km 66.613 W ±22.1km
 DEPTH = 227.3 ± 46.1 km
 SOUTHERN BOLIVIA (125)

YJA 1.30 128 ePc 21 34.50 -0.4
 S 22 00.50
 HJA 2.15 149 iPc 21 42.10 0.3
 CCH 4.00 7 P 22 03.60 0.5
 LPB 5.02 343 P 22 16.00 0.2
 S 23 15.00
 LPAZ 5.26 344 P 22 18.50 -0.6
 S 23 19.70
 SIV 7.50 45 P 22 46.90 -0.1
 S.D. = 0.7 on 6 of 6 obs.

? SEP 14, 1993 08h 52m 38.55± 1.02s
 26.416 S ± 9.3km 27.518 E ±12.4km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.1 (PRE).

PRY 0.51 184 eP 52 48.90 0.1
 S 52 55.60
 SLR 0.97 46 eP 52 57.50 0.0
 S 53 10.20
 SEK 1.90 177 eP 53 12.00 -0.1
 S 53 36.00
 SWZ 2.10 248 eP 53 15.00 0.0
 S 53 39.50
 S.D. = 0.1 on 4 of 4 obs.

% SEP 14, 1993 09h 02m 23.28± 0.76s
 39.336 N ± 6.2km 27.668 E ± 7.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.79 70 iPg 02 38.50 -0.2
 eSg 02 48.50
 IZM 0.99 199 ePg 02 42.00 -0.1
 EDC 1.02 8 ePg 02 42.00 -0.6
 KCT 1.06 30 iPn 02 44.00 0.8
 EZN 1.15 296 ePn 02 45.00 0.3
 KGT 1.15 346 iPn 02 44.50 -0.3
 MFT 1.48 349 ePn 02 50.00 0.0
 S.D. = 0.5 on 7 of 7 obs.

? SEP 14, 1993 09h 03m 48.61± 0.96s
 39.903 N ± 9.8km 29.305 E ± 8.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

DST 0.60 241 ePg 04 00.00 -0.8
 eSg 04 09.50
 KCT 0.81 296 ePn 04 05.00 0.7

EYL 0.93 44 ePn 04 06.00 -0.4
 ALT 1.05 143 ePn 04 09.00 0.5
 S.D. = 1.3 on 4 of 4 obs.

% SEP 14, 1993 09h 08m 25.31± 0.94s
 39.655 N ±10.0km 29.449 E ± 8.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

DST 0.64 266 ePg 08 37.00 -1.1
 eSg 08 47.50
 ALT 0.79 139 ePg 08 41.00 0.3
 eSg 08 53.00
 KCT 1.03 306 iPn 08 45.00 0.2
 EYL 1.06 31 ePn 08 44.80 -0.6
 EDC 1.40 300 ePn 08 52.00 1.1
 S.D. = 1.2 on 5 of 5 obs.

% SEP 14, 1993 09h 42m 10.90± 0.79s
 39.082 N ± 6.6km 27.538 E ± 8.2km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).

IZM 0.72 198 iPg 42 25.00 0.0
 eSg 42 36.00
 DST 0.99 58 ePn 42 30.00 0.2
 EZN 1.20 309 ePn 42 33.30 0.1
 EDC 1.29 11 ePn 42 35.00 0.2
 KCT 1.33 28 ePn 42 35.00 -0.4
 KGT 1.38 353 iPn 42 36.00 -0.1
 S.D. = 0.3 on 6 of 6 obs.

SEP 14, 1993 09h 51m 59.48± 0.59s
 41.137 N ± 6.4km 28.496 E ± 4.0km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

CTT 0.05 281 iPg 52 01.00 0.0
 ISK 0.43 99 iPg 52 08.50 0.4
 iSg 52 14.00
 DMK 0.88 321 iPg 52 17.00 0.1
 eSg 52 29.00
 KCT 0.89 187 ePg 52 17.00 -0.1
 EDC 0.92 212 ePg 52 18.00 0.4
 HRT 0.94 109 iPg 52 17.00 -0.9
 MFT 0.98 250 iPg 52 18.00 -0.7
 KGT 1.14 233 iPn 52 21.50 0.3
 EYL 1.38 114 iPn 52 26.00 0.5
 CIN 3.55 185 eP 52 48.00 -8.3X
 S.D. = 0.6 on 9 of 10 obs.

? SEP 14, 1993 10h 05m 04.72± 1.47s
 1.721 S ±23.3km 13.412 W ±27.0km
 DEPTH = 10.0km (geophysicist)
 4.8mb (5 obs.)
 NORTH OF ASCENSION ISLAND (407)

LIC 11.51 47 P 07 44.19 -7.9X
 1.2s 15.50nm 5.2mb
 TIC 11.80 45 P 07 44.36 -11.8X
 BCAO 32.50 79 iPd 11 38.10 0.0
 1.0s 10.00nm 4.7mb
 ic 11 43.00
 SKO 53.71 32 eP 14 29.60 0.4
 GEC2 55.57 21 ePd 14 42.30 -0.5
 1.0s 8.37nm 4.7mb
 e 14 48.40
 e 14 57.30

ZST 56.36 24 iP 14 43.60 -4.7X
 MLR 58.50 32 eP 15 03.50 -0.2
 NAO 65.13 13 P 15 47.50 -0.3
 1.1s 7.10nm 4.8mb
 NUR 68.69 19 eP 16 09.40 -0.9
 KAF 70.42 19 iP 16 21.60 0.8
 0.8s 6.60nm 4.8mb
 SDF 74.39 15 eP 16 45.00 0.7
 MAIO 77.31 52 iPc 17 04.00 2.5X
 WRA 141.74 126 PKP 24 39.20 -0.1
 0.8s 0.60nm
 S.D. = 0.6 on 9 of 13 obs.

& SEP 14, 1993 10h 05m 23.21s
 65.390 N 148.136 W
 DEPTH = 15.4km

14d 10h

NORTHERN ALASKA (676)					TURKEY (366)					URZ (366)					
<AEIC>. ML 2.6 (AEIC).					ML 2.8 (ISK).										
MDM	0.43	185	iP	05 31.69 -0.4	DST	0.65	267	ePg	16 48.30 -0.7	17.89	191	eP	00 15.60 -1.6		
			eS	05 37.51				eSg	16 59.30	18.09	189	eP	00 17.80 -1.3		
FBA	0.51	163	iPc	05 33.09 -0.3	IZI	0.70	360	iPg	16 49.00 -0.7	18.65	197	eP	00 27.10 2.6		
			eS	05 39.08	ALT	0.76	140	ePg	16 51.00 0.1	20.49	193	eP	00 39.30 -2.4		
GLM	0.51	142	iP	05 33.18 -0.2				eSg	17 04.00	21.46	199	eP	00 49.40 -1.1		
			eS	05 40.84	GPA	0.91	44	ePn	16 53.30 -0.1	22.21	197	eP	00 56.80 -0.6		
CCB	0.76	169	iP	05 37.72 0.2	KCT	1.05	306	ePn	16 56.00 0.2	23.33	197	eP	01 05.00 -2.5		
NEA	0.91	207	iP	05 40.36 0.2	EYL	1.06	29	ePn	16 56.00 0.0	24.05	200	eP	01 12.60 -1.3		
			eS	05 53.26	CTT	1.71	332	ePn	17 06.50 0.7	37.29	244	eP	03 08.90 2.0		
PRP	1.10	82	eP	05 43.13 -0.3	KGT	1.85	297	ePn	17 08.00 0.0	1.5s	2.20nm		3.6mb X		
			eS	05 58.72	MFT	2.03	305	ePn	17 11.00 0.3	44.03	257	iPd	04 01.70 0.7		
HDA	1.11	152	eP	05 43.49 -0.1	S.D. = 0.5 on 9 of 9 obs.					0.7s	27.60nm		4.9mb		
			eS	05 58.88							iPcP	05 34.90			
MLY	1.16	253	eP	05 43.45 -0.9							iPcS	09 27.70			
			eS	05 59.99							eScS	13 03.40			
BWN	1.35	206	eP	05 47.57 0.2	? SEP 14, 1993 11h 26m 34.56± 1.35s						WB2	44.11	262	iPc	04 01.90 0.3
			eS	06 05.07	13.631 N ±10.6km 144.939 E ±33.0km							0.5s	7.30nm		4.5mb
FYU	1.68	44	eP	05 52.35 0.3	DEPTH = 33.0km (normal)								iPcP	05 35.30	
			eS	06 14.78	4.7mb (8 obs.)								eS	09 55.40	
MCK	1.70	192	eP	05 52.74 0.3	MARIANA ISLANDS (216)					WRA	44.12	262	P	03 59.00 -2.7	
TRF	2.16	207	P	06 03.20 4.0	Felt (IV) on Guam.						0.6s	19.10nm		4.8mb	
KTH	2.20	214	P	06 05.10 5.3	GUMO	0.08	239	Pn	26 38.00 -2.3	MTN	48.72	271	eP	04 36.50 -0.3	
13 obs. associated							Pg	26 38.40		MBL	57.27	258	iPd	05 37.80 0.1	
							iS	26 41.50			0.7s	23.00nm		4.6mb	
					PJG	0.08	239	Pg	26 38.50 -1.8	SPA	69.41	180	iPd	06 55.10 0.6	
					GUA	0.10	196	eP	26 39.20 -1.1		0.7s	3.91nm		4.0mb	
							eS	26 43.40		MAT	70.12	324	eP	06 58.00 -0.9	
					MAT	23.60	346	eP	31 43.00 -0.3	BJI	85.73	316	eP	08 22.50 0.5	
						1.3s	30.77nm	4.7mb			1.4s	24.00nm		4.7mb	
							eS	35 58.00		FBA	88.55	13	iPd	08 33.90 -0.9	
					WB2	34.95	198	iPd	33 25.80 0.0		1.0s	31.50nm		5.2mb	
						0.8s	9.50nm	4.8mb		KAF	135.24	344	iPKP	14 57.10 -1.1	
					WRA	34.96	198	P	33 26.20 0.4		0.6s	5.60nm			
						0.7s	3.10nm	4.3mb		NUR	137.02	343	iPKP	15 01.50 -0.1	
					BJI	36.45	322	eP	33 38.00 -0.3		0.5s	5.70nm			
					TIY	37.54	316	Pc	33 48.20 0.6	NAO	139.40	353	PKP	14 55.90 -10.0X	
					ASPA	38.61	196	eP	33 58.00 1.4		0.8s	1.70nm			
						0.5s	7.40nm	4.7mb		HFS	139.68	351	ePKP	14 56.80 -9.6X	
					BTO	40.64	318	eP	34 14.00 0.6		0.4s	4.40nm			
					CD2	41.53	301	P	34 20.90 0.2	EKA	145.26	5	PKPc	15 15.90 -0.3	
					LZH	43.05	309	eP	34 39.00 5.8X		1.3s	27.20nm			
					STK	45.37	184	eP	34 52.40 0.8	KAS	145.84	314	iPKPd	15 20.20 2.5	
						1.1s	2.80nm	4.1mb		DCN	146.74	10	ePKP	15 20.50 1.9	
					GTA	47.20	312	eP	35 06.50 0.2	DLF	146.90	9	ePKP	15 20.90 2.0	
						1.5s	12.00nm	4.7mb		VRI	147.50	326	iPKPc	15 33.00 12.8X	
					LSA	52.04	297	P	35 44.70 0.7			e	22 03.50		
					KKN	57.06	294	P	36 20.00 -0.5			e	45 00.00		
					WMQ	57.16	314	P	36 20.60 -0.1	KSP	147.77	342	iPKPd	15 24.10 3.7X	
						1.0s	14.00nm	5.0mb			0.9s	33.00nm			
					DMN	57.21	294	P	36 25.20 3.6X	CLL	148.17	346	iPKPd	15 24.90 3.9X	
					LPZ	147.96	99	PKP	46 21.20 4.6X		0.9s	42.00nm			
					LPB	147.99	99	ePKP	46 24.00 7.6X			i	15 29.30		
					S.D. = 1.0 on 16 of 20 obs.					BRG	148.36	345	ePKP	15 21.40 0.1	
											1.0s	30.00nm			
												i	15 29.90		
												i	15 30.60		
										PRU	149.02	344	iPKPd	15 26.90 4.5X	
											0.9s	25.90nm			
												i	15 32.70		
										ZST	149.85	339	e(PKP)	15 23.10 -0.6	
												e	15 29.10		
												i	15 37.70		
										KHC	150.06	344	ePKP	15 29.50 5.5X	
												e	15 37.50		
										GRF	150.08	347	ePKP	15 30.30 6.3X	
												e	15 37.90		
										GEC2	150.29	344	ePKP	15 24.20 -0.3	
											0.9s	0.96nm			
												e	15 38.40		
												e	15 46.60		
										GEC2	150.29	344	e(PKP)	15 30.00 5.5X	
											0.7s	7.20nm			
										VBY	152.82	339	i(PKP)	15 35.60 7.5X	
										BCAO	156.85	228	ePKPc	15 32.00 -2.4	
											0.7s	3.00nm			
												ic	16 06.50		
										S.D. = 1.6 on 32 of 42 obs.					

14d 12h

Data Used: GDSN
 L.P.B.: 31S, 49C
 Centroid Location:
 Origin Time 12:17: 9.3 0.4
 Lat 29.23S 0.04 Lon 176.98W 0.04
 Dep 29.8 2.9 Half-duration 1.1
 Moment Tensor; Scale 10**17 Nm
 Mrr= 0.76 0.03 Mtt=-0.01 0.05
 Mff=-0.75 0.04 Mrt= 0.28 0.08
 Mrf= 1.10 0.13 Mtf=-0.21 0.04
 Principal Axes:
 T Val= 1.35 Plg=62 Azm=284
 N 0.05 0 14
 P -1.40 28 104
 Best Double Couple:Mo=1.4*10**17
 NP1:Strike=195 Dip=17 Slip= 91
 NP2: 14 73 90

RAO 0.81 305 iPc 17 19.00 1.3
 S 17 29.00
 PUZ 9.16 203 eP 19 12.00 -3.4X
 eS 20 58.80
 OUZ 9.54 233 eP 19 26.70 6.0X
 URZ 9.75 208 eP 19 20.20 -3.4X
 eS 21 12.00
 MNG 12.42 207 eP 19 56.10 -3.7X
 eS 22 11.30
 MRW 13.25 208 P 20 09.00 -1.8
 S 22 32.00
 THZ 14.46 211 eP 20 26.10 -0.6
 eS 23 00.30
 KHZ 14.72 208 eP 20 25.80 -4.2X
 eS 23 04.30
 LTZ 15.56 210 eP 20 37.40 -3.6X
 eS 23 22.90
 WVZ 16.48 213 eP 20 52.00 -0.7
 LMZ 17.67 214 eP 21 05.40 -2.1
 BKM 17.94 309 iPd 21 12.50 1.4
 BWZ 18.00 211 eP 21 10.70 -0.9
 ODZ 18.07 209 eP 21 13.00 0.4
 MSZ 19.03 214 eP 21 23.40 -0.8
 ARMA 26.98 261 iPd 22 46.30 3.1X
 0.8s 25.00nm 4.9mb
 CNB 28.69 250 iPd 23 02.60 4.0X
 0.9s 24.00nm 4.9mb
 CAN 28.99 250 eP 23 05.10 3.9X
 BWA 29.46 252 eP 23 06.50 1.0
 TOO 31.90 246 iPc 23 29.70 2.7
 0.9s 37.00nm 5.3mb
 CTA 34.42 278 iPd 23 51.00 2.0
 1.0s 40.00nm 5.3mb
 Z 18s 19.93um 5.9MsZ
 e 24 17.00 116kmX
 e 25 24.00
 eS 29 33.00
 STK 35.35 256 iPc 23 58.40 1.6
 0.9s 21.80nm 5.1mb
 ADE 37.42 250 iPd 24 17.10 2.8
 ASPA 43.88 266 iPc 25 07.50 -0.2
 1.0s 48.90nm 5.2mb
 Z 19s 5.80um 5.5MsZ
 ePP 27 00.00
 eS 31 35.70
 eScS 35 03.40
 WB2 44.80 271 eP 25 14.30 -0.8
 0.8s 14.40nm 4.9mb
 ePP 26 19.30
 eS 30 50.70
 WRA 44.81 271 P 25 15.10 -0.1
 0.9s 15.40nm 4.9mb
 DRV 45.04 203 eP 25 18.00 1.6
 FORT 46.93 254 eP 25 31.00 -0.8
 SBA 48.76 184 iPd 25 52.20 6.7X
 COOL 52.66 252 eP 26 14.50 -1.3
 KLB 55.26 250 iPd 26 34.20 -0.6
 CSY 56.08 208 iPd 26 41.80 1.6
 0.9s 87.20nm 5.8mb
 i 26 59.80 70kmX
 BAL 56.40 251 eP 26 41.50 -1.6
 MUN 56.42 249 eP 26 42.60 -0.5
 GUA 56.46 314 eP 26 41.80 -1.8
 1.0s 104.00nm 5.8mb
 GUMO 56.52 314 eP 26 41.80 -2.2
 PJG 56.53 314 eP 26 42.10 -1.9
 MBL 56.94 263 iPd 26 46.20 -0.9
 0.8s 35.00nm 5.4mb
 MRWA 57.42 253 eP 26 49.50 -0.7

NANU 60.11 260 eP 27 08.00 -1.0
 SPA 60.44 180 iPc 27 13.70 2.7
 1.0s 60.00nm 5.7mb
 Z 20s 2.70um 5.4MsZ
 i 46 22.20
 GQP 72.57 298 eP 28 27.00 -1.5
 MAW 73.19 200 iP 28 35.00 3.6X
 1.0s 41.67nm 5.4mb
 LEM 73.83 271 iPc 28 36.00 -0.1
 MAT 78.11 325 eP 28 58.00 -1.6
 1.1s 20.25nm 5.1mb
 NVL 79.59 183 iPd 29 10.00 2.9
 1.0s 29.00nm 5.2mb
 eS 39 24.00
 HOOJ 80.47 331 eP 29 13.20 1.0
 KUSJ 80.48 333 eP 29 11.30 -1.0
 ASAJ 82.17 332 P 29 21.50 0.5
 SSE 84.22 311 P 29 32.00 0.2
 1.0s 21.00nm 5.2mb
 Z 20s 0.90um 5.1MsZ
 YSS 84.53 334 iPc+ 29 33.00 0.0
 1.0s 90.00nm 5.9mb
 Z 19s 0.50um 4.9MsZ
 N 19s 0.50um
 E 19s 0.40um
 GZH 84.94 300 P 29 35.00 -0.6
 PET 85.05 346 eP 29 32.00 -3.5X
 eS 40 00.00
 IPM 85.16 278 ePc 29 36.70 -0.3
 0.6s 18.30nm 5.4mb
 ISA 85.31 44 eP 29 38.38 1.1
 1.3s 17.13nm 5.1mb
 QIZ 85.37 295 eP 29 39.00 1.2
 CMB 85.77 41 eP 29 48.64 9.1X
 Z 17s 0.80um 5.2MsZ
 eS 40 16.64
 eLQ 52 17.64
 eLR 56 08.64
 WDC 86.33 38 eP 29 51.21 9.0X
 Z 18s 0.70um 5.1MsZ
 eS 40 24.21
 eSS 46 05.21
 eLQ 52 38.21
 eLR 56 46.21
 NJ2 86.36 310 P 29 43.60 1.1
 1.0s 18.00nm 5.3mb
 BONR 86.93 43 eP 29 46.25 0.7
 YBH 87.05 38 eP 29 54.52 8.8X
 Z 17s 0.40um 4.9MsZ
 eS 40 32.52
 eSS 46 10.52
 eLQ 52 44.52
 eLR 56 41.52
 MDJ 88.49 325 P 29 52.60 0.1
 1.2s 41.00nm 5.6mb
 WHN 88.53 307 eP 29 54.00 1.0
 KDC 89.57 13 eP 29 56.74 -0.5
 1.3s 18.70nm 5.2mb
 SNY 89.74 320 eP 29 58.00 -0.4
 1.3s 39.00nm 5.5mb
 Z 20s 0.48um 4.9MsZ
 CN2 90.05 322 Pd 29 59.60 -0.2
 1.4s 130.00nm 6.0mb
 ePP 30 11.00 36km
 TIA 90.05 313 eP 30 00.60 0.6
 BMW 90.15 34 eP 30 00.72 0.4
 GMW 91.12 33 eP 30 04.33 -0.4
 RMW 91.53 34 (P) 30 06.49 -0.2
 SRU 92.38 46 eP 30 11.73 0.8
 PV10 92.88 47 (P) 30 13.24 -0.1
 CRP 92.92 12 (P) 30 11.49 -1.4
 BJI 92.96 315 eP 30 14.00 0.7
 1.5s 57.00nm 5.8mb
 Z 24s 0.32um 4.7MsZ
 eSKS 40 48.00
 TIY 93.97 312 eP 30 19.80 1.7
 Z 22s 1.16um 5.3MsZ
 KMI 94.17 296 eP 30 22.00 2.5
 Z 20s 0.70um 5.1MsZ
 pP 30 35.50 45km
 XAN 94.29 307 P 30 20.50 0.8
 Z 24s 0.65um 5.0MsZ
 pP 30 28.50 25km
 sP 30 31.50
 HHC 96.29 314 eP 30 30.00 1.2
 Z 26s 1.13um 5.2MsZ

FBA 97.05 12 eP 30 29.71 -1.8
 1.2s 5.98nm 5.0mb
 RSSD 99.23 44 (P) 30 40.63 -1.4
 0.9s 3.30nm 4.9mb
 GTA 103.30 308 ePd 31 00.00 -0.5
 Z 20s 0.46um 5.0MsZ
 NRI 119.13 336 iPKPd 35 47.80 -0.7
 1.0s 8.00nm
 e 35 58.00
 KSH 120.50 301 ePKP 35 49.50 -2.8
 FRU 122.30 304 (PKP) 35 55.00 -0.4
 e 36 11.20
 MTD 126.09 215 iPKPd 35 50.00 -13.6X
 KRI 127.00 213 iPKPc 36 22.30 16.9X
 SVE 131.83 321 ePKP 36 13.20 0.0
 2.0s 25.00nm
 MAIO 132.61 294 ePKP 36 17.00 1.5
 ARU 133.01 321 ePKP 36 15.00 -0.5
 Z 20s 0.50um 5.2MsZ
 E 20s 0.50um
 KAF 144.15 341 ePKP 36 31.80 -3.8X
 0.9s 12.40nm
 MOS 144.18 327 ePKP 36 34.00 -1.9
 e 36 41.00
 ERE 144.58 299 iPKP+ 36 37.00 -0.2
 PUL 144.69 336 (PKP) 36 34.00 -2.6
 1.4s 140.00nm
 i 36 42.00
 OBN 145.02 326 iPKPd 36 36.20 -1.1
 1.3s 161.00nm
 i 36 42.00
 PYA 145.16 305 iPKPc 36 37.00 -1.0
 1.0s 250.00nm
 i 36 45.00
 NUR 145.92 341 iPKP 36 38.40 -0.3
 0.7s 89.20nm
 MOL 147.00 356 ePKP 36 41.71 1.4
 NB2 148.19 352 PKP 36 44.40 2.0
 1.0s 13.00nm
 UPP 148.25 346 iPKP 36 43.80 1.4
 HFS 148.72 350 ePKP 36 45.00 1.8
 1.0s 45.40nm
 ANN 148.96 309 ePKP 36 48.00 4.0X
 MNK 149.91 330 ePKP 36 49.00 3.9X
 GAZ 150.49 294 iPKP 36 52.90 6.3X
 BCOA 150.79 214 iPKPd 36 47.00 -0.8
 0.9s 63.00nm
 id 36 53.10
 id 37 00.40
 KVT 150.83 302 ePKP 36 53.50 6.4X
 SIM 151.08 310 ePKP 36 47.00 -0.2
 BHL 151.88 287 PKP 36 56.00 7.1X
 KAS 152.43 303 ePKP 36 57.50 8.0X
 OJC 155.86 333 ePKP 37 02.00 8.2X
 UZH 155.95 327 ePKP 37 01.50 7.6X
 1.0s 15.00nm
 e 37 18.10
 KSP 156.61 338 ePKP 36 55.30 0.5
 1.1s 48.00nm
 i 37 23.90
 CLL 157.14 343 ePKP 37 06.00 10.6X
 BRG 157.29 342 ePKP 37 08.10 12.5X
 1.0s 24.00nm
 i 37 26.60
 ZST 158.54 333 e(PKP) 37 07.20 10.1X
 i 37 32.30
 GEC2 159.18 340 ePKP 37 18.30 20.4X
 0.6s 0.63nm
 GEC2 159.18 340 ePKP 36 57.80 -0.1
 0.9s 1.33nm
 S.D. = 1.3 on 86 of 116 obs.
 * SEP 14, 1993 12h 45m 31.93± 0.91s
 14.097 N ±12.5km 92.757 W ± 6.9km
 DEPTH = 33.0km (normal)
 4.7mb (13 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 TPX 0.94 31 iPd 45 51.28 2.6
 iS 46 03.50
 SCX 2.63 3 eP 46 14.80 1.9
 (S) 46 45.50
 OXX 4.84 308 iP 46 43.69 -0.9
 (S) 47 30.41
 LVVM 6.63 328 (P) 47 04.51 -5.1X
 IIT 7.23 313 (P) 47 20.84 2.5
 PPM 7.49 312 eP 47 23.51 1.4

14d 12h

IIA	7.57	312	eP	47	23.33	0.6						
III	7.72	304	iP	47	24.74	-0.4						
CRX	8.48	309	(P)	47	23.20	-12.5X						
MRX	9.81	306	iP	47	54.60	0.8						
LTX	18.22	328	eP	49	42.56	-1.5						
UYO	20.04	356	iPd	50	01.90	-3.2X						
MIAR	20.37	358	eP	50	06.92	-1.6						
	0.9s	55.68nm				4.9mb						
		eS		53	43.13							
TUL	21.89	353	iP	50	24.20	0.2						
MYNC	22.29	19	eP	50	27.48	-0.5						
	0.9s	21.54nm				4.6mb						
		eS		54	45.60							
JSC	22.63	25	eP	50	30.54	-0.7						
GBTN	22.81	18	eP	50	34.49	1.4						
LHS	22.99	26	eP	50	34.30	-0.5						
		pP		50	42.76	30kmX						
ELC	23.31	7	eP	50	36.72	-1.1						
ALQ	24.16	332	eP	50	46.91	0.5						
	0.7s	9.19nm				4.4mb						
TUC	24.49	321	eP	50	49.12	-0.4						
	1.0s	37.19nm				4.9mb						
CEH	24.93	27	(P)	50	52.53	-1.0						
	1.0s	18.17nm				4.6mb						
		ePP		51	32.90							
GOL	27.81	339	eP	51	19.95	-0.5						
	0.9s	30.13nm				5.0mb						
PV08	28.15	333	eP	51	24.00	0.4						
PV10	28.16	332	eP	51	22.97	-0.6						
PV09	28.30	332	eP	51	25.82	0.9						
MSU	29.78	328	(P)	51	37.82	-0.3						
ARUT	29.91	326	eP	51	39.72	0.5						
DAU	30.81	332	eP	51	45.37	-2.0						
RSSD	31.44	344	eP	51	51.16	-1.5						
	0.8s	4.61nm				4.4mb						
HVU	32.59	332	eP	52	03.11	0.4						
HHAI	33.63	334	eP	52	12.19	0.5						
LRM	35.73	336	ePc	52	29.90	0.1						
LBFM	37.12	323	eP	52	41.61	0.1						
NEW	39.59	334	eP	53	01.49	-0.4						
	0.8s	7.14nm				4.5mb						
DPW	39.75	333	eP	53	03.73	0.5						
LON	40.63	329	eP	53	10.96	0.5						
MCW	42.46	331	eP	53	25.80	0.3						
SOB1	56.42	111	eP	55	15.60	2.5						
BALM	58.83	334	eP	55	29.66	0.1						
INK	60.14	344	eP	55	37.50	-0.8						
	1.0s	8.00nm				4.8mb						
KLU	60.57	334	eP	55	41.34	-0.1						
PMR	62.00	333	eP	55	50.12	-0.9						
	1.1s	10.97nm				4.9mb						
FBA	62.87	337	eP	55	55.85	-0.9						
	1.0s	5.46nm				4.6mb						
		ePcP		56	37.24							
CRP	63.22	332	eP	55	58.49	-0.8						
EKA	78.32	36	Pc	57	27.90	-2.4						
	1.7s	39.90nm				5.2mb						
NB2	84.41	28	P	58	02.20	0.0						
	1.0s	2.70nm				4.4mb						
BDT	146.77	339	ePKP	05	12.20	1.0						
HYB	147.53	16	ePKP	05	15.40	2.9X						
GBA	150.81	20	PKP	05	23.90	6.3X						
	0.6s	4.00nm										
	S.D. = 1.2 on 45 of 50 obs.											

? SEP 14, 1993 13h 10m 41.66± 2.07s												
42.368 N ±16.2km 139.261 E ±21.6km												
DEPTH = 33.0km (normal)												
HOKKAIDO, JAPAN REGION (224)												
MRRJ	1.34	87	eP	11	03.80	-0.4						
		eS		11	23.40							
AOMJ	1.99	155	eP	11	13.30	-0.3						
ASAJ	3.03	54	eP	11	27.70	-0.7						
KUSJ	4.08	78	eP	11	44.40	1.1						
WRA	62.16	185	P	21	02.20	0.3						
	0.7s	0.80nm				4.0mb						
	S.D. = 1.0 on 5 of 5 obs.											

? SEP 14, 1993 13h 16m 59.76± 1.25s												
31.724 S ± 9.0km 68.377 W ± 9.7km												
DEPTH = 10.0km (geophysicist)												
SAN JUAN PROVINCE, ARGENTINA (137)												
CFA	0.17	45	iPd	17	03.80	0.2						
		S		17	07.00							

RTCV	0.19	225	iPc	17	03.90	-0.2
RTLL	0.40	349	ePc	17	07.50	-0.5
		S		17	15.00	
RTCB	0.43	303	ePc	17	09.00	0.4
		S		17	18.00	
S.D. = 0.7 on 4 of 4 obs.						

SEP 14, 1993 13h 20m 40.53± 0.59s						
14.272 N ± 9.7km 93.092 W ± 6.3km						
DEPTH = 33.0km (normal)						
4.7mb (13 obs.)						
NEAR COAST OF CHIAPAS, MEXICO (69)						
MD 4.8 (GCG).						
TPX	1.02	52	iPc	20	59.00	0.4
		iS		21	12.00	
PCG	2.41	87	iP	21	19.76	1.0
		iS		21	52.01	
SCX	2.49	10	iP	21	21.50	1.9
		iS		21	52.56	
GCG	2.50	82	iPc	21	22.37	2.4
		iS		21	57.71	
IXG	2.56	92	iPd	21	22.06	1.3
		iS		21	58.11	
YUP	3.19	91	ePd	21	30.51	0.8
		iS		22	14.01	
OXX	4.48	309	iP	21	47.88	-0.2
		(S)		22	43.12	
LVVM	6.31	330	(P)	22	08.00	-5.8X
IIT	6.88	314	iP	22	23.80	1.9
PPM	7.13	313	ePc	22	27.80	2.1
IIA	7.21	313	iP	22	27.87	1.6
		(S)		23	34.62	
III	7.36	305	iP	22	28.45	-0.2
		(S)		23	55.00	
CRX	8.11	310	(P)	22	27.50	-11.8X
MRX	9.44	306	iP	22	57.00	-0.4
LTX	17.90	329	eP	24	48.56	-0.2
UYO	19.85	357	iPc	25	09.70	-1.9
MIAR	20.19	359	eP	25	11.96	-3.3X
	0.9s	86.41nm				5.1mb
		eS		28	41.58	
TUL	21.68	354	iP	25	31.00	0.5
MYNC	22.23	20	(P)	25	34.31	-1.7
	1.2s	56.97nm				4.9mb
LHS	22.98	27	eP	25	39.88	-3.4X
ACO	22.98	347	iPc	25	42.40	-0.9
ELC	23.18	8	eP	25	42.43	-2.7
FVM	23.74	5	(P)	25	49.99	-0.6
	1.0s	14.64nm				4.5mb
ALQ	23.85	332	eP	25	52.42	0.4
	0.9s	22.58nm				4.7mb
TUC	24.15	321	eP	25	57.06	2.3
	1.1s	28.02nm				4.7mb
GOL	27.53	339	eP	26	25.62	-0.9
	1.2s	26.41nm				4.8mb
PV08	27.84	333	(P)	26	29.63	0.2
PV10	27.85	332	eP	26	28.52	-0.9
PV09	27.99	332	eP	26	31.77	1.0
PLM	28.75	315	eP	26	37.05	-0.5
ARUT	29.58	326	eP	26	45.42	0.5
DAU	30.51	332	(P)	26	53.83	0.6
RSSD	31.18	345	eP	26	57.65	-1.4
	0.7s	7.20nm				4.6mb
HVU	32.29	332	eP	27	09.98	1.3
BONR	32.49	321	eP	27	11.41	0.7
HHAI	33.33	334	eP	27	17.79	0.1
RSNY	34.06	24	(P)	27	21.63	-2.2
	0.8s	7.07nm				4.6mb
LRM	35.44	336	eP	27	35.50	-0.4
		e		30	16.30	
ULM	35.95	357	eP	27	37.50	-2.4
LPZ	39.12	140	P	28	06.60	-1.0
LPB	39.32	140	eP	28	04.00	-5.0X
LON	40.31	329	eP	28	15.99	-0.5
RMW	40.81	330	(P)	28	20.87	0.3
SIV	43.65	132	P	28	42.00	-2.1
SOB1	56.79	111	eP	30	25.20	0.8
	59.88	344	eP	30	44.00	-1.1
	1.0s	6.00nm				4.7mb
KLU	60.27	334	eP	30	47.52	-0.5
PMR	61.70	333	(P)	30	58.70	1.1
	1.2s	13.29nm				4.9mb
SLKM	61.75	332	(P)	30	59.19	1.1
FBA	62.58	337	eP	31	01.90	-1.5
	1.1s	6.51nm				4.7mb
CRP	62.92	332	eP	31	04.56	-1.3

TTA	65.18	333	(P)	31	21.84	1.3
	0.9s	4.02nm				4.5mb
NB2	84.41	28	P	33	19.60	8.8X
	1.0s	3.40nm				4.5mb
WB2	134.42	256	ePKP	39	56.50	-1.3
	0.5s	3.70nm				
GUN	138.06	1	PKP	40	04.60	-0.4
KKN	138.16	2	PKP	40	08.20	3.2X
LOE	145.29	335	ePKP	40	21.90	4.5X
BDT	146.49	339	ePKP	40	19.00	-0.4
HYB	147.45	15	ePKP	40	23.00	2.0
KHT	148.90	338	ePKP	40	26.50	3.2X
GBA	150.76	19	PKP	40	32.00	5.9X
S.D. = 1.3 on 51 of 61 obs.						

* SEP 14, 1993 13h 22m 45.59± 1.39s						
37.393 N ±15.6km 28.343 E ±10.2km						
DEPTH = 10.0km (geophysicist)						
TURKEY (366)						
CIN	0.29	315	iPgc	22	52.00	0.3
		iSg		22	59.00	
KHL	1.32	45	ePn	23	10.50	0.5
IZM	1.32	320	ePn	23	09.50	-0.5
ELL	1.41	117	ePn	23	12.00	0.6
BCK	1.79	87	ePn	23	15.80	-1.0
S.D. = 1.0 on 5 of 5 obs.						

* SEP 14, 1993 14h 00m 28.76± 0.70s						
11.012 N						

14d 14h

4.1mb (2 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX	1.20	44	iP	18 50.38	-0.4
			iS	19 02.33	
IXG	2.59	87	iPd	19 11.20	0.3
SCX	2.72	10	eP	19 14.50	2.0
			iS	19 46.51	
YUP	3.23	87	iP	19 19.87	0.0
			iS	20 01.30	
OXX	4.60	312	iP	19 45.00	5.5X
IIT	7.02	316	(P)	21 03.23	49.6X
PPM	7.27	314	iP	20 23.10	5.8X
IIA	7.35	315	(P)	20 22.00	4.1X
III	7.47	306	iP	20 25.25	5.4X
MRX	9.56	307	(P)	20 27.48	-21.2X
UYO	20.08	357	iPc	23 02.00	-1.7
MIAR	20.42	359	eP	23 05.50	-1.8
	0.8s	11.14nm		4.3mb	
		pp	23 09.34	14kmX	
ALQ	24.04	332	ePc	23 46.80	3.3X
	0.9s	3.36nm		3.9mb	
LRM	35.64	337	eP	25 28.80	1.5
INK	60.10	344	eP	28 36.50	0.2
GBA	150.99	19	PKP	38 24.00	7.9X
S.D. = 1.6 on 8 of 16 obs.					
* SEP 14, 1993 14h 23m 13.29± 0.71s					
31.704 S ±11.1km 68.663 W ±14.5km					
DEPTH = 100.0km (geophysicist)					
SAN JUAN PROVINCE, ARGENTINA (137)					
ZON	0.16	355	iPd	23 28.00	0.1
			eS	23 40.00	
RTCV	0.19	146	iPd	23 28.80	0.9
			S	23 40.00	
RTCB	0.25	332	iPd	23 28.00	-0.2
			S	23 38.80	
CFA	0.37	75	iPc	23 28.80	0.3
			S	23 41.20	
RTLL	0.41	24	iPc	23 28.20	-0.5
			S	23 40.00	
MRA	2.61	106	ePc	23 54.30	-0.1
RFA	3.06	177	iPc	24 00.40	-0.3
S.D. = 0.6 on 7 of 7 obs.					
% SEP 14, 1993 14h 24m 44.22± 0.67s					
40.401 N ± 8.6km 27.479 E ± 5.0km					
DEPTH = 10.0km (geophysicist)					
TURKEY (366)					
ML 2.6 (ISK).					
KGT	0.14	291	iPg	24 47.00	-0.6
EDC	0.30	100	ePg	24 50.50	0.0
			eSg	24 56.00	
BNT	0.34	97	iPg	24 51.00	-0.2
MFT	0.41	339	iPg	24 53.00	0.3
KCT	0.69	102	ePg	24 58.00	0.1
EZN	1.06	237	ePn	25 04.40	0.3
S.D. = 0.4 on 6 of 6 obs.					
SEP 14, 1993 14h 32m 29.96± 0.23s					
40.122 N ± 3.1km 24.871 E ± 2.1km					
DEPTH = 10.0km (geophysicist)					
4.2mb (12 obs.)					
AEGEAN SEA (365)					
ML 4.3 (THE), 4.3 (ISK), 4.3					
(TIR). MD 4.3 (ATH). Felt on					
Limnos, Greece.					
OUR	0.71	288	iPg	32 44.26	0.3
			eSg	32 53.22	
PAIG	0.94	258	iPg	32 47.86	0.1
			eSg	32 59.58	
EZN	1.16	104	iPg	32 52.40	0.8
ALN	1.18	49	ePb	32 52.58	0.6
			iSb	33 09.66	
SOH	1.35	302	iPb	32 54.98	0.1
			eSb	33 12.54	
PRK	1.39	129	ePb	32 54.00	-1.4
SRS	1.39	316	ePb	32 55.34	-0.1
			eSb	33 15.26	
THE	1.54	290	ePb	32 58.06	0.6
			eSb	33 19.54	
KNT	1.83	305	ePb	33 01.86	0.2
LIT	1.83	270	ePb	33 00.86	-0.8
			eSb	33 25.66	

KGT	1.89	79	iPg	33 02.50	0.0
MFT	1.96	69	iPg	33 03.00	-0.6
GRG	2.06	295	ePn	33 05.26	0.2
			iSn	33 30.70	
AGG	2.25	242	iPn	33 06.89	-0.9
			eSn	33 34.18	
EDC	2.30	83	iPn	33 09.00	0.5
ATH	2.33	203	ePn	33 08.00	-0.9
BNT	2.35	83	iPn	33 09.00	-0.2
KZN	2.38	275	iPnd	33 09.40	-0.3
IZM	2.53	132	iPn	33 12.30	0.5
KCT	2.67	86	iPn	33 14.00	0.2
FNA	2.75	285	ePn	33 14.82	-0.1
			iSn	33 47.78	
DMK	2.77	51	iPn	33 11.50	-3.7X
DST	2.94	99	iPn	33 18.30	0.7
SKO	3.19	307	iPn	33 21.00	-0.1
	0.9s	620.00nm			
		i	33 31.00		
		i	33 35.50		
		iSn	33 55.00		
		i	34 10.00		
		i	34 16.50		
		Lg	34 24.00		
OHR	3.25	289	iPnd	33 22.40	0.3
	1.3s	1050.00nm			
		i	33 27.20		
		i	33 46.70		
		i	34 12.00		
		i	34 15.10		
		i	34 19.40		
		Lg	34 33.00		
LSK	3.27	272	ePn	33 22.30	-0.1
IGT	3.54	262	ePn	33 27.82	1.7
CIN	3.56	134	iPd	33 26.00	-0.3
VLI	3.72	205	iPnc	33 27.10	-1.6
HRT	3.73	78	ePn	33 28.00	-0.8
TPE	3.73	274	iPnc	33 29.00	0.2
SRN	3.75	268	ePn	33 27.10	-2.0
VLS	3.85	241	ePn	33 30.70	0.1
KEK	3.92	266	ePn	33 33.00	1.5
TIR	4.00	289	iPnd	33 34.00	1.5
		iSn	34 22.50		
KHL	4.04	115	ePn	33 34.00	0.8
EYL	4.06	82	ePn	33 33.50	-0.1
VLO	4.13	277	ePn	33 37.60	3.2X
GPA	4.17	86	iPn	33 35.40	0.4
ALT	4.19	103	iPn	33 35.50	0.1
LACI	4.19	293	ePn	33 36.80	1.4
		iSn	34 27.50		
BCI	4.26	303	ePn	33 35.40	-0.9
BUCl	4.31	11	eP	34 08.00	31.0X
BUC	4.38	12	ePc	33 42.50	4.5X
PVY	4.44	305	iPd	33 38.85	-0.1
DRA	4.58	354	ePc	33 42.00	1.2
ULC	4.63	295	iPd	33 41.13	-0.5
IVA	4.64	308	iPd	33 42.00	0.3
VAM	4.74	187	ePn	33 41.50	-1.6
TTG	4.81	300	iPd	33 44.37	0.2
BDV	5.04	297	iPd	33 46.84	-0.6
MTUR	5.10	2	eP	33 47.50	-0.8
CMP	5.14	1	iPd	33 48.00	-0.9
NKY	5.17	303	iPd	33 49.44	0.2
ELL	5.19	129	ePn	33 50.00	0.3
BCK	5.20	119	ePn	33 50.30	0.6
PLE	5.20	310	iPd	33 49.82	0.0
HCY	5.33	298	iPd	33 50.99	-0.6
MLR	5.42	8	iPc	33 52.50	-0.4
GZR	5.49	344	iPd	33 52.50	-1.3
BRY	5.50	302	iPd	33 53.81	-0.3
CFR	5.61	24	eP	33 54.00	-1.4
VRI	5.90	13	iPc	33 59.00	-0.5
DEV	5.94	347	ePd	34 00.00	0.1
KAS	6.87	77	eP	34 21.50	8.2X
PTT	6.90	9	eP	34 13.00	-0.5
HVAR	7.01	299	i(P)	34 18.50	3.4X
KIS	7.48	21	eP	34 20.00	-1.6
ZAG	8.65	314	e(P)	34 44.00	6.0X
UZH	8.71	349	eP	34 50.00	11.3X
		e	36 15.50		
PTJ	8.71	314	eP	34 40.10	1.1
VBY	8.88	310	ePn	34 41.00	-0.2
		iPn	34 49.60		
ZST	9.81	328	eP	34 56.90	2.9X
		i	35 29.30		
KBA	10.86	314	i(P)	35 10.10	1.4
	0.9s	12.50nm		5.3mb X	

		i	35 20.70		
GEC2	11.81	321	ePn	35 24.70	3.3X
	0.8s	2.58nm		4.6mb	
WTTA	11.94	311	iP	35 24.80	1.5
KHC	12.06	322	eP	35 30.00	5.2X
	Z 14s	0.80um		5.0MsZ	
	N 14s	1.10um			
	E 14s	0.90um			
		e	35 50.00		
		e	36 03.00		
PRU	12.26	327	eP	35 45.00	17.6X
	Z 12s	0.90um		5.2MsZ	
	N 11s	1.40um			
		e	36 55.50		
		e	37 11.50		
KSP	12.28	334	eP	35 30.00	2.3
LPG	14.34	298	eP	35 53.50	-1.7
	0.8s	9.80nm		4.5mb	
LPL	14.35	298	eP	35 52.80	-2.6
	1.3s	26.35nm		4.7mb	
ERE	15.01	83	eP	36 15.00	11.1X
CDF	15.06	309	eP	36 10.30	5.8X
	0.9s	6.70nm		4.1mb	
HAU	15.45	307	eP	36 13.70	4.3X
	0.7s	5.85nm		4.0mb	
	Z 20s	0.25um		5.7MsZ	
LOR	16.76	302	eP	36 28.20	1.9
	1.2s	16.35nm		4.0mb	
	Z 18s	0.20um		4.3MsZ	
OBN	16.91	24	eP	36 24.50	-3.4X
	1.0s	18.00nm		4.2mb	
	Z 14s	0.50um		4.7MsZ	
	N 12s	0.60um			
SSF	16.93	301	eP	36 28.30	-0.1
	1.0s	8.40nm		3.8mb	
AVF	16.96	300	eP	36 29.60	0.9
	1.3s	18.75nm		4.1mb	
DOU	17.39	312	P	36 35.60	1.5
MOS	17.76	24	eP	36 39.00	0.4
NUR	20.41	360	eP	37 10.00	0.4
HFS	21.22	344	eP	37 15.00	-2.9
	0.4s	1.20nm		3.6mb	
	Z 15s	0.31um		3.8MsZ	
		LR	45 10.00		
NB2	22.57	343	P	37 29.70	-1.8
	0.7s	10.20nm		4.4mb	
ASH	26.01	84	eP	37 57.30	-7.4X
ARU	27.37	42	eP	38 23.00	6.1X
	Z 12s	0.50um		4.3MsZ	
	E 12s	0.50um			
MAIO	27.37	87	eP	38 20.00	2.7
BCAO	35.99	191	iPc	39 34.40	1.4
	0.7s	6.00nm		4.6mb	
FRU	36.94	69	(P)	39 45.50	4.7X
S.D. = 1.1 on 79 of 98 obs.					
SEP 14, 1993 14h 46m 56.35± 0.69s					
39.558 N ± 6.2km 22.788 E ± 6.0km					
DEPTH = 10.0km (geophysicist)					
GREECE (364)					
ML 2.5 (THE).					
LIT	0.59	337	iPg		

14d 14h

<PAS-P>. ML 3.3 (PAS), 3.3 (GS).
Felt in the Landers-Yucca Valley
area.

PEC	0.76	230	iPc	49	17.85	-1.0
GSC	0.96	343	iPd	49	21.80	-0.9
SSK	1.04	261	ePc	49	22.84	-1.3
			eS	49	37.39	
PLM	1.08	198	iPd	49	23.63	-1.3
GLA	1.90	134	ePn	49	33.38	-4.1
ISA	2.09	308	ePn	49	39.58	-0.7
ABL	2.33	282	ePn	49	41.40	-2.4
BCH	3.09	286	ePn	49	52.79	-1.8
MTUM	3.42	331	ePg	50	08.03	8.7
TNP	3.74	351	ePg	50	12.56	8.6
MMPM	3.83	328	ePg	50	16.21	10.8
BONR	3.86	338	ePn	50	04.16	-1.6
ARUT	4.19	35	ePn	50	08.27	-1.9
MSU	5.38	39	(Pn)	50	25.42	-1.8

14 obs. associated

SEP 14, 1993 15h 38m 53.35± 0.68s
39.615 N ± 6.6km 20.358 E ± 5.7km
DEPTH = 10.0km (geophysicist)
GREECE-ALBANIA BORDER REGION (392)
MD 3.2 (ATH). ML 3.1 (THE), 2.8
(TIR).

IGT	0.09	194	iPg	38	54.82	-1.1
			eSg	38	56.70	
SRN	0.38	314	ePg	39	01.60	0.4
			iSn	39	09.10	
KEK	0.44	283	ePg	39	02.70	0.3
LSK	0.57	19	iPg	39	01.80	-3.1
TPE	0.73	339	iPg	39	06.00	-1.7
VLO	1.08	322	ePn	39	15.00	1.4
KZN	1.29	57	ePb	39	15.20	-2.1
FNA	1.40	33	ePb	39	19.73	0.7
			eSb	39	39.58	
VLS	1.45	173	ePb	39	19.20	-0.4
OHR	1.53	13	iPn	39	22.50	1.7

0.6s 110.00nm

			i	39	24.60	
			i	39	44.50	
			i	39	46.80	
			Lg	39	48.50	
AGG	1.64	111	ePb	39	22.62	0.3
			eSb	39	45.78	
LIT	1.71	73	ePb	39	23.85	0.5
			eSb	39	48.26	
TIR	1.77	348	ePn	39	29.00	4.8X
			iSn	39	54.00	
GRG	2.06	49	ePn	39	30.01	1.6
			iSn	39	56.86	
LACI	2.08	346	ePn	39	31.50	2.9X
KNT	2.48	51	ePn	39	35.18	0.8
			eSn	40	08.74	
SKO	2.49	19	ePn	39	25.00	-9.6X
			i	39	36.00	
PAIG	2.58	82	ePn	39	36.74	0.9
			iSn	40	09.10	
SOH	2.59	61	ePn	39	36.66	0.6
			eSn	40	10.62	
OUR	2.88	74	ePn	39	40.82	0.8

S.D. = 1.4 on 17 of 20 obs.

% SEP 14, 1993 16h 09m 33.65± 0.83s
31.285 N ± 13.9km 68.144 W ± 12.3km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL	0.28	261	iPc	09	48.00	-0.4
			S	09	59.00	
RTCB	0.60	250	ePd	09	50.50	0.0
			S	10	04.00	
RTCV	0.66	210	eP	10	05.30	0.3
RTRS	1.59	314	e(P)	10	01.50	0.1
			S	10	20.00	
RTPR	1.71	56	eP	10	03.00	0.0
			S	10	25.00	

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

SEP 14, 1993 16h 11m 12.11± 0.33s
40.350 N ± 4.1km 25.839 E ± 2.9km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 3.6 (THE), 3.0 (ISK).

ALN	0.57	16	iPg	11	23.82	0.2
			eSg	11	32.12	
EZN	0.64	144	iPg	11	24.90	-0.1
RDO	0.83	344	iPbc	11	28.10	0.0
KGT	1.12	84	iPg	11	33.50	0.4
			eSg	11	49.20	
PRK	1.15	163	ePb	11	34.40	0.8
			eSb	11	50.10	
MFT	1.18	68	iPg	11	34.00	-0.2
OUR	1.42	270	iPb	11	36.26	-1.7
			eSb	11	57.40	
EDC	1.55	89	iPg	11	40.00	0.3
BNT	1.59	89	iPg	11	40.00	-0.4
PAIG	1.71	256	ePb	11	42.64	0.6
			eSb	12	04.80	
KCT	1.93	92	ePg	11	45.00	-0.3
SOH	1.95	285	ePb	11	46.12	0.5
			eSb	12	12.96	
DMK	2.06	44	iPg	11	45.50	-1.7
CTT	2.12	67	iPg	11	47.00	-1.1
THE	2.21	278	ePn	11	50.64	1.3
			eSn	12	19.40	
IZM	2.24	150	ePn	11	49.30	-0.5
DST	2.27	108	ePn	11	51.00	0.7
KNT	2.38	291	ePn	11	50.76	-1.0
			eSn	12	23.44	
LIT	2.58	266	ePn	11	54.12	-0.5
GRG	2.68	284	ePn	11	56.64	0.5
			iSn	12	30.40	
HRT	2.95	80	ePn	12	00.00	0.0
AGG	3.01	245	ePn	12	00.24	-0.6
ALT	3.54	110	ePn	12	09.00	0.7
SKO	3.70	297	eP	12	21.70	11.2X
OHR	3.90	283	eP	12	25.50	12.0X
MLR	5.14	1	eP	12	31.00	0.0
VRI	5.56	6	eP	12	39.00	2.2

S.D. = 0.9 on 25 of 27 obs.

? SEP 14, 1993 16h 24m 09.53± 1.61s
29.484 S ± 29.6km 176.822 W ± 21.4km
DEPTH = 33.0km (normal)
4.7mb (4 obs.)

KERMADEC ISLANDS REGION (177)

RAO	0.98	283	iP	24	27.80	0.8
			S	24	39.00	
STK	35.69	255	eP	31	07.20	0.4
			2.5s	3.40nm	3.8mb	
ASPA	44.19	265	iPd	32	16.70	-0.6
			0.5s	5.80nm	4.7mb	
WB2	45.09	271	iPc	32	23.30	-1.3
			0.6s	7.50nm	4.8mb	
			iPp	32	49.40	112kmX
CSY	56.43	208	iPc	33	50.30	0.4
			0.4s	14.50nm	5.4mb	
			i	34	15.70	
NUR	145.79	341	ePKP	43	46.00	0.4
NB2	147.99	353	PKP	43	52.70	3.4X
			1.0s	4.20nm		

S.D. = 1.0 on 6 of 7 obs.

SEP 14, 1993 16h 37m 14.79± 0.47s
9.795 N ± 5.8km 126.473 E ± 9.5km
DEPTH = 26.6km (2 depth phases)
4.7mb (16 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

BIP	1.58	188	iPc	37	42.50	1.2
			iS	37	56.50	
PLP	2.00	313	ePc	37	50.00	2.5
			iS	38	04.50	
CGP	2.20	233	iPd	37	50.00	-0.3
			iS	38	16.00	
MAP	2.51	282	iPc	37	57.00	2.3
			iS	38	25.00	
CTB	3.42	221	iPd	38	09.00	1.4
			iS	38	53.00	
GQP	5.68	316	ePc	38	52.50	12.9X
			eS	39	25.00	
QIZ	18.52	302	eP	41	31.60	0.2
SSE	21.76	348	P	42	08.00	1.7
			1.0s	13.00nm	4.3mb	
NJ2	23.24	343	Pc	42	24.20	3.3X
IPM	25.76	260	ePc	42	45.30	0.0
XAN	29.01	329	P	43	12.60	-2.2
			0.7s	5.00nm	4.3mb	
			pP	43	20.00	26km

TIY	30.54	338	eP	43	28.50	0.1
WB2	30.55	165	eP	43	26.60	-2.0
			0.8s	3.70nm	4.3mb	
SNY	32.01	356	Pd	43	42.70	1.6
			0.8s	11.00nm	4.8mb	
HHC	33.63	339	eP	43	56.40	1.0
			1.0s	8.50nm	4.6mb	
ASPA	34.04	168	eP	43	59.30	0.3
			0.5s	5.50nm	4.7mb	
CTA	35.51	147	iPc	44	12.80	1.2
			e	44	21.00	28km
MEEK	37.01	192	eP	44	23.00	-1.2
GTA	37.88	326	eP	44	30.50	-1.1
			1.5s	7.00nm	4.3mb	
MRWA	40.08	194	eP	44	49.00	-0.8
KKN	42.65	301	P	45	10.40	-0.9
MUN	42.68	193	eP	45	10.70	-0.4
DMN	42.75	300	P	45	10.20	-1.9
NWAO	43.39	191	iPd	45	16.60	-0.2
STK	43.89	161	eP	45	22.20	1.3
			0.5s	3.60nm	4.4mb	
RKG	45.02	191	eP	45	30.00	0.0
ADE	46.00	166	iPd	45	39.80	2.0
HYB	47.09	285	eP	45	45.70	-1.0
GBA	48.11	279	P	45	53.60	-1.1
			0.6s	4.00nm	4.6mb	
YAK	52.18	2	eP	46	25.00	-0.1
			1.0s	30.00nm	5.2mb	
CSY	76.78	187	eP	49	04.50	-0.8
			0.6s	15.20nm	5.2mb	
KLU	80.33	29	(P)	49	26.74	1.8
KAF	86.14	332	iP	49	54.30	-0.2
			0.4s	7.90nm	5.3mb	
NUR	87.31	331	iP	49	59.90	-0.3
			0.5s	9.20nm	5.3mb	
HFS	92.56	332	eP	50	23.20	-1.7
			0.5s	4.40nm	5.2mb	
NB2	93.27	334	P	50	26.60	-1.6
			0.7s	2.50nm	4.8mb	
GEC2	97.19	322	eP	50	45.70	-0.8
			0.6s	0.52nm	4.2mb	

S.D. = 1.3 on 35 of 37 obs.

* SEP 14, 1993 17h 12m 50.63± 0.87s
36.999 S ± 10.2km 176.083 E ± 8.8km
DEPTH = 250.0km (geophysicist)
OFF E. COAST OF N. ISLAND, N.Z. (160)

URZ	1.50	147	P	13	29.50	0.3
			S	13	57.40	
HBZ	1.87	109	eP	13	31.90	-0.3
PAHZ	2.01	158	P	13	34.30	0.8
PUZ	2.03	122	Pc	13	33.00	-0.7
			S	14	02.10	
NOZ	2.24	137	P	13	35.50	-0.1
TTH	2.60	167	P	13	40.20	0.9
WAHZ	2.70	176	P	13	41.00	0.6
MNG	3.64	187	eP	13	50.30	-0.4
			eS	14	34.50	
KIW	3.97	193	P	13	54.40	-0.1
MTW	4.18	186	P	13	56.30	-0.7
CAW	4.18	191	eP	13	56.80	-0.2
MRW	4.36	194	P	13	58.70	-0.4
TCW	4.44	198	eP	14	00.20	0.2
WRA	40.08	283	P	20	03.50	0.1
			2.1s	0.30nm	2.4mb	

S.D. = 0.6 on 14 of 14 obs.

% SEP 14, 1993 17h 20m 01.79± 0.80s
26.353 S ± 6.3km 27.459 E ± 8.3km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 2.2 (PRE).

14d 17h

29.384 S \pm 9.4km 177.081 W \pm 8.6km
 DEPTH = 24.4km (4 depth phases)
 5.3mb (29 obs.) 5.2Msz (17 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)
 Mw 5.5 (HRV). Ms 5.2 (BRK).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 42S, 68C
 Centroid Location:
 Origin Time 17:20:47.4 0.4
 Lat 29.26S 0.05 Lon 176.86W 0.04
 Dep 21.2 2.2 Half-duration 1.3
 Moment Tensor; Scale 10**17 Nm
 Mrr= 1.10 0.04 Mtt=-0.01 0.05
 Mff=-1.09 0.05 Mrt= 0.41 0.10
 Mrf= 1.16 0.17 Mtf=-0.26 0.04
 Principal Axes:
 T Val= 1.65 Plg=66 Azm=294
 N 0.04 4 196
 P -1.69 24 105
 Best Double Couple:Mo=1.7*10**17
 NP1:Strike=187 Dip=21 Slip= 80
 NP2: 18 69 94

RAO	0.74	280	iPc	20	59.00	2.7
PUZ	9.49	203	eP	22	52.20	-8.2X
			eS	24	37.30	
OUZ	9.80	231	eP	23	07.30	2.8
URZ	10.08	207	eP	23	00.30	-8.1X
			eS	24	52.80	
MNG	12.75	207	eP	23	34.80	-9.8X
			eS	25	51.40	
MRW	13.58	207	P	24	03.00	7.5X
			S	26	12.00	
KHZ	15.05	208	eP	24	04.00	-10.7X
			eS	26	43.40	
L TZ	15.88	210	eP	24	17.40	-8.2X
			eS	27	02.60	
AFI	16.16	19	eP	24	28.00	-1.4
			eS	27	00.00	
WVZ	16.81	212	eP	24	31.30	-5.9X
RAR	17.62	66	P	24	44.00	-3.6X
			S	27	41.00	
BKM	17.78	308	iPc	24	53.40	3.8X
ODZ	18.40	209	eP	24	50.60	-6.5X
ARMA	27.10	260	iPc	26	27.10	2.0
			0.8s	20.00nm	4.8mb	
RIV	27.35	253	eP	26	30.00	2.9
CNB	28.87	249	eP	26	41.40	0.4
			0.9s	19.00nm	4.8mb	
CAN	29.17	249	eP	26	45.50	1.9
BWA	29.63	251	eP	26	47.00	-0.8
TOO	32.10	245	eP	27	10.30	0.7
			0.9s	51.00nm	5.5mb	
CTA	34.44	277	iPc	27	31.00	1.0
			1.0s	22.50nm	5.1mb	
Z	18s	29.21um			6.1Msz	
			i	27	42.00	40kmX
			eS	33	15.00	
STK	35.50	255	iPc	27	38.80	-0.1
			1.0s	26.10nm	5.1mb	
ADE	37.60	250	iPd	27	56.80	0.2
ASPA	43.97	265	iPd	28	48.20	-1.1
			1.0s	41.40nm	5.2mb	
Z	19s	9.40um			5.7Msz	
			e	30	45.40	715kmX
			eS	35	26.00	
WB2	44.86	271	eP	28	54.10	-2.4
			1.0s	50.30nm	5.4mb	
WRA	44.87	271	P	28	55.20	-1.3
			0.9s	21.20nm	5.1mb	
DRV	45.38	202	eP	29	01.00	1.1
FORT	47.09	254	eP	29	11.50	-2.4
SBA	49.11	184	iPd	29	32.80	3.8X
COOL	52.83	252	eP	29	55.00	-2.9
KLB	55.43	250	eP	30	14.00	-3.0
NWAO	55.51	248	eP	30	15.00	-2.5
Z	22s	0.80um			4.8Msz	
GUA	56.27	314	eP	30	22.80	-0.3
GUMO	56.34	314	eP	30	23.20	-0.4
			1.3s	249.80nm	6.1mb	
PJG	56.34	314	eP	30	23.50	-0.1
CSY	56.41	208	eP	30	21.90	-1.6
			1.0s	93.20nm	5.8mb	
			e	30	36.30	53kmX
BAL	56.58	251	eP	30	21.70	-3.5X
MUN	56.60	249	eP	30	22.00	-3.3X

MBL	57.05	263	eP	30	25.00	-3.7X
			1.0s	74.00nm	5.7mb	
MRWA	57.58	252	eP	30	30.10	-2.2
NANU	60.24	259	eP	30	48.00	-2.8
SPA	60.78	180	iPd	30	55.10	0.9
			0.9s	90.91nm	5.9mb	
Z	21s	3.92um			5.5Msz	
			i	49	48.50	
MAW	73.54	200	iP	32	15.60	1.3
			1.0s	33.33nm	5.3mb	
LEM	73.89	271	ePd	32	16.50	-0.9
MAT	77.87	325	eP	32	39.00	-0.3
			0.9s	10.92nm	4.9mb	
			eS	42	37.00	
KAGJ	77.96	316	eP	32	39.10	-0.7
KUMJ	78.95	317	eP	32	44.70	-0.5
SHNJ	79.92	319	eP	32	49.10	-1.3
NVL	79.93	183	iPd	32	50.00	0.1
			ePPP	36	08.00	
			eS	43	12.00	
ADK	80.92	0	eP	32	54.09	-1.1
			1.1s	43.75nm	5.4mb	
SSE	84.05	311	Pc	33	12.50	0.6
			1.0s	21.00nm	5.3mb	
Z	20s	0.90um			5.1Msz	
			S	43	32.00	
YSS	84.25	334	ePc+	33	12.80	0.2
			1.0s	90.00nm	6.0mb	
Z	19s	0.90um			5.2Msz	
N	19s	0.50um				
E	19s	0.50um				
			e	33	26.20	45kmX
			(S)	43	38.00	
BKS	84.31	41	eP	32	56.09	-17.0X
Z	17s	1.80um			5.5MszX	
			eS	43	42.09	
			eLQ	55	29.09	
			eLR	59	18.09	
PET	84.74	346	eP	33	16.00	1.1
			eS	43	40.00	
ISA	85.02	44	eP	33	17.80	1.0
			0.9s	7.24nm	4.9mb	
IPM	85.18	278	ePd	33	14.30	-3.8X
			0.5s	20.70nm	5.6mb	
QIZ	85.29	295	eP	33	18.70	0.3
CMB	85.47	41	eP	33	26.64	7.6X
Z	17s	1.20um			5.4MszX	
			eS	43	51.64	
			eSS	49	39.64	
			eLQ	55	57.64	
			eLR	59	44.64	
ORV	85.88	40	eP	33	17.67	-3.3X
Z	18s	1.00um			5.3Msz	
			eS	44	00.67	
			eLQ	55	53.67	
			eLR	00	01.67	
WDC	86.02	38	eP	33	27.21	5.6X
Z	18s	1.00um			5.3Msz	
			eSKS	43	55.21	
			eS	44	05.21	
			eSS	49	44.21	
			eLQ	56	06.21	
			eLR	00	18.21	
NJ2	86.20	310	Pc	33	22.00	-0.7
Z	16s	0.52um			5.0MszX	
YBH	86.74	38	eP	33	13.52	-11.7X
Z	17s	0.50um			5.0MszX	
			eSKS	43	54.52	
			eS	44	11.52	
			eSS	49	50.52	
			eLQ	56	27.52	
			eLR	00	30.52	
TNP	87.37	43	(P)	33	29.57	1.1
			1.2s	11.68nm	5.0mb	
TUC	87.85	51	(P)	33	34.10	3.3X
			1.1s	9.02nm	5.0mb	
MDJ	88.25	325	eP	33	32.50	0.2
			1.0s	27.00nm	5.5mb	
WHN	88.38	307	Pc	33	32.00	-1.2
Z	20s	0.62um			5.0Msz	
			S	44	12.00	
KDC	89.23	13	eP	33	36.88	0.2
			1.1s	13.77nm	5.2mb	
SNY	89.52	320	Pd	33	39.40	1.0
			1.2s	32.00nm	5.5mb	
Z	20s	0.61um			5.0Msz	

CN2	89.82	322	Pc	33	40.50	0.7
			1.2s	87.00nm	5.9mb	
			eP	33	51.00	33km
BMW	89.83	34	eP	33	41.22	1.4
RMW	91.21	34	eP	33	47.12	0.9
SLKM	92.23	13	eP	33	50.40	-0.2
BJI	92.76	315	eP	33	54.50	1.1
			1.5s	46.00nm	5.7mb	
Z	24s	0.64um			5.0MszX	
			eSKS	44	28.00	
TIY	93.79	311	eP	33	59.40	1.1
Z	24s	1.35um			5.3MszX	
E	20s	0.97um				
KMI	94.08	296	eP	34	01.20	1.1
			1.3s	40.00nm	5.7mb	
Z	20s	1.20um			5.4Msz	
			pP	34	08.00	21km
XAN	94.14	307	P	34	01.50	1.5
Z	24s	0.65um			5.0MszX	
			pP	34	08.00	20km
MCMT	94.18	40	eP	34	00.90	0.7
HHC	96.11	314	eP	34	13.00	4.1X
Z	24s	1.62um			5.4MszX	
			SKS	44	46.00	
			sS	45	47.00	
CD2	96.23	302	eP	34	12.20	2.6
FBA	96.71	12	eP	34	10.84	-0.1
			0.6s	3.27nm	5.0mb	
LZH	98.76	306	eP	34	22.00	1.0
			1.5s	21.00nm	5.5mb	
Z	22s	0.51um			5.0Msz	
E	17s	0.60um				
			pP	34	29.50	23km
GTA	103.15	308	ePd	34	41.50	0.7
Z	20s	0.81um			5.2Msz	
N	17s	0.39um				
KSH	120.39	301	ePKP	39	32.50	-0.6
FRU	122.16	304	(PKP)	39	36.00	-0.2
MTD	126.41	215	iPKPd	39	30.10	-15.2X
KRI	127.32	213	iPKP	40	02.50	15.4X
MAIO	132.54	294	ePKP	39	44.00	-12.4X
			e	43	24.00	
ARU	132.79	321	ePKP	39	55.00	-1.1
Z	20s	1.00um			5.5Msz	
E	20s	0.50um				
SDF	139.41	346	ePKP	40	06.00	-2.2
TAB	143.15	295	iPKP+	40	12.00	-4.0X
KAF	143.85	342	iPKP	40	12.80	-3.4X
			0.6s	8.40nm		
MOS	143.94	327	ePKP	40	13.00	-3.5X
Z	19s	0.80um			5.5Msz	
PUL	144.41	336	(PKP)	40	15.00	-2.2
			1.4s	140.00nm		
Z	20s	0.40um			5.2Msz	
ERE	144.48	299	iPKP-	40	16.60	-1.5
OBN	144.77	326	iPKPd+	40	16.00	-1.9
			1.2s	132.00nm		
			i	40	21.00	
			i	40	31.90	
PYA	145.02	306	iPKPd	40	18.00	-0.8
			1.0s	250.00nm		
			i	40	30.00	
NUR	145.62	341	iPKP	40	18.20	-1.0
			0.6s	82.30nm		
MOL	146.67	356	ePKP	40	21.97	1.1
NB2	147.86	352	PKP			

14d 17h

CLL 156.83 344 iPKP 40 46.70 10.7X
1.3s 12.00nm
ZST 158.27 334 ePKP 40 37.60 -0.3
i 41 13.30
GEC2 158.88 340 ePKP 40 38.60 -0.1
1.1s 2.57nm
e 40 45.30
e 40 55.70
S.D. = 1.4 on 77 of 113 obs.

* SEP 14, 1993 17h 31m 45.57± 1.44s
37.345 N ± 9.9km 20.868 E ± 12.6km
DEPTH = 10.0km (geophysicist)
IONIAN SEA (399)
MD 3.6 (ATH). ML 3.4 (THE).

VLS 0.86 345 ePg 32 00.70 -1.4
VLI 1.77 110 ePb 32 17.00 0.6
AGG 2.03 34 ePn 32 21.98 1.7
eSn 32 48.98
IGT 2.22 349 ePn 32 24.62 1.6
iSn 32 54.02
ATH 2.35 74 ePn 32 31.20 6.4X
KEK 2.51 341 ePn 32 28.60 1.6
LIT 3.03 24 ePn 32 34.90 0.5
iSn 33 12.58
KZN 3.04 13 ePn 32 34.00 -0.6
VAM 3.31 125 ePn 32 37.60 -0.9
PAIG 3.39 40 ePn 32 39.78 0.2
iSn 33 20.33
FNA 3.46 6 iPn 32 39.90 -0.6
iSn 33 22.37
THE 3.67 26 ePn 32 43.02 -0.5
OHR 3.76 359 iPn 32 44.00 -0.9
GRG 3.80 18 ePn 32 44.86 -0.6
OUR 3.85 38 ePn 32 46.46 0.4
eSn 33 32.26
SOH 3.97 28 ePn 32 48.14 0.3
KNT 4.12 22 iPn 32 48.98 -1.0
eSn 33 38.90
SRS 4.32 28 ePn 32 52.50 -0.3
SKO 4.64 5 ePn 32 54.50 -2.9X
S.D. = 1.0 on 17 of 19 obs.

& SEP 14, 1993 19h 16m 46.51s
37.647 N 118.887 W
DEPTH = 7.5km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 2.7 (GM).

MEMM 0.05 295 iPd 16 48.34 0.1
MMPM 0.12 252 eP 16 49.22 -0.3
MRGM 0.30 85 iPc 16 52.73 -0.1
MTUM 0.39 139 eP 16 54.29 -0.2
BONR 0.56 56 eP 16 57.38 -0.4
CMB 1.25 289 eP 17 09.30 -0.7
eS 17 24.99
TNP 1.39 71 eP 17 13.07 0.6
ISA 2.01 170 eP 17 23.02 1.8
eS 17 48.85
ARN 2.13 263 eP 17 24.87 2.0
eS 17 52.58
BCH 2.64 202 eP 17 31.02 0.7
eS 18 06.46
ABL 2.80 186 eP 17 36.88 4.1
11 obs. associated

? SEP 14, 1993 20h 06m 19.80± 3.13s
9.713 N ± 14.7km 126.523 E ± 32.3km
DEPTH = 33.0km (normal)
MINDANAO, PHILIPPINE ISLANDS (259)

BIP 1.50 190 iPc 06 45.00 0.3
eS 07 00.00
PLP 2.10 314 ePd 06 52.80 -0.5
eS 07 09.30
CGP 2.20 235 eP 06 54.00 -0.7
iS 07 19.00
MAP 2.58 284 eP 07 01.00 0.9
S.D. = 1.2 on 4 of 4 obs.

? SEP 14, 1993 20h 29m 40.37± 1.41s
44.592 S ± 24.2km 167.437 E ± 12.1km
DEPTH = 33.0km (normal)
3.3mb (1 obs.)
SOUTH ISLAND, NEW ZEALAND (162)
ML 4.1 (WEL).

MSZ 0.36 103 eP 29 49.40 0.5
eS 30 02.00
BWZ 1.75 89 eP 30 09.60 0.8
ODZ 2.33 102 eP 30 16.10 -1.0
WVZ 2.83 59 eP 30 23.90 -0.3
WRA 36.84 301 P 36 47.30 0.0
0.9s 0.40nm 3.3mb
S.D. = 1.0 on 5 of 5 obs.

? SEP 14, 1993 20h 54m 00.65± 3.01s
36.204 N ± 31.8km 4.505 W ± 11.0km
DEPTH = 33.0km (normal)
STRAIT OF GIBRALTAR (385)
mbLg 2.7 (MDD).

EJIF 0.82 288 eP 54 15.56 -0.2
eS 54 29.50
EPRU 0.96 323 eP 54 19.09 1.3
eS 54 34.10
EGUA 0.98 50 eP 54 18.25 0.1
eS 54 32.60
EHOR 1.72 340 eP 54 27.87 -0.9
eS 54 51.10
EVAL 2.26 308 eP 54 36.18 -0.3
S.D. = 1.1 on 5 of 5 obs.

* SEP 14, 1993 20h 54m 27.64± 0.94s
29.677 S ± 10.2km 177.155 W ± 14.7km
DEPTH = 33.0km (normal)
4.9mb (5 obs.)
KERMADEC ISLANDS, NEW ZEALAND (178)
Felt (II) on Raoul Island.

RAO 0.79 302 iPc 54 42.50 0.2
iS 54 51.00
OUZ 9.57 232 eP 56 51.60 5.5X
THZ 14.50 211 eP 57 51.90 -0.4
eS 00 26.20
WVZ 16.52 213 eP 58 18.10 -0.2
ODZ 18.11 209 eP 58 37.60 -0.6
ARMA 26.99 261 eP 00 10.50 2.0
CTA 34.42 278 iP 01 14.00 -0.2
1.0s 10.00nm 4.7mb
STK 35.36 256 eP 01 22.00 -0.2
1.0s 6.20nm 4.5mb
ASPA 43.89 266 iPd 02 32.00 -1.0
0.7s 11.00nm 4.8mb
CSY 56.12 208 iPd 04 05.60 -0.2
0.6s 33.20nm 5.5mb
SPA 60.49 180 iPc 04 38.40 1.8
0.8s 16.67nm 5.2mb
KAF 144.11 341 ePKP 13 56.30 -4.5X
NUR 145.88 341 iPKP 14 02.10 -1.8
0.7s 30.80nm
NB2 148.14 352 PKP 14 07.60 0.0
0.7s 4.70nm
HFS 148.68 350 ePKP 14 09.00 0.6
0.4s 2.90nm
S.D. = 1.1 on 13 of 15 obs.

? SEP 14, 1993 21h 04m 58.04± 6.80s
51.156 N ± 31.7km 15.821 E ± 48.3km
DEPTH = 10.0km (geophysicist)

POLAND (548)

BRG 1.22 257 ePn 05 20.70 0.0
iPg 05 21.00
iSg 05 40.90
PRU 1.43 215 ePn 05 24.20 0.3
0.4s 27.50nm
Pg 05 26.20
i 05 29.60
eSn 05 42.80
Sg 05 48.50
CLL 1.78 276 ePg 05 29.00 0.0
eSg 05 55.00
KHC 2.49 216 ePn 05 39.00 -0.3
ePg 05 44.60
eSn 06 13.00
Sg 06 23.40
MOX 2.71 261 ePg 05 48.10 5.7X
eSg 06 29.20
S.D. = 0.4 on 4 of 5 obs.

* SEP 14, 1993 21h 06m 03.31± 0.92s
29.564 S ± 13.6km 176.999 W ± 15.7km
DEPTH = 33.0km (normal)

4.8mb (7 obs.)
KERMADEC ISLANDS REGION (177)

RAO 0.86 291 iPc 06 19.90 0.9
iS 06 29.00
OUZ 9.75 232 eP 08 29.50 5.3X
KHZ 14.92 208 eP 09 32.60 -0.9
LTZ 15.76 210 eP 09 42.40 -2.0
ARMA 27.14 260 iPd 11 46.50 0.9
0.5s 6.00nm 4.5mb
CNB 28.87 250 eP 12 03.00 1.9
CAN 29.17 250 eP 12 05.90 2.1
BWA 29.64 252 eP 12 07.20 -0.8
CTA 34.54 277 iPd 12 57.50 6.6X
0.9s 9.45nm 4.7mb
STK 35.52 256 iPd 12 59.20 0.0
0.6s 9.80nm 4.9mb
ASPA 44.03 266 iPd 14 08.80 -1.0
0.8s 14.30nm 4.8mb
CSY 56.29 208 iPc 15 42.70 0.1
0.7s 43.80nm 5.6mb
MBL 57.10 263 eP 15 46.50 -2.6
0.6s 8.00nm 4.9mb
SPA 60.60 180 iPd 16 15.70 2.7
0.8s 6.25nm 4.8mb
MAT 78.06 325 (P) 17 59.00 -1.3
SLKM 92.39 13 (P) 19 10.02 -1.2
KAF 144.04 342 ePKP 25 32.10 -4.3X
OBN 144.96 326 iPKPd 25 37.10 -1.1
1.7s 90.00nm
i 25 43.00

NUR 145.82 341 iPKP 25 39.20 -0.3
0.7s 61.00nm
NB2 148.05 352 PKP 25 44.80 1.7
0.7s 8.90nm
UPP 148.13 346 ePKP 25 44.00 0.8
S.D. = 1.6 on 18 of 21 obs.

% SEP 14, 1993 21h 16m 28.88± 3.55s
18.745 N ± 26.5km 66.788 W ± 9.5km
DEPTH = 10.0km (geophysicist)
PUERTO RICO REGION (90)

APR 0.30 169 P 16 33.86 -1.2
MCP 0.45 223 P 16 38.10 0.1
CLLP 0.69 163 P 16 44.20 1.7X
PORP 0.70 168 P 16 43.80 1.1
MGP 0.79 201 P 16 43.90 -0.3
S 17 00.11
SJR 0.87 136 iP 16 46.80 1.1
LPR 0.97 116 P 16 46.60 -0.8
CPD 1.09 130 P 16 49.30 0.0
S.D. = 1.1 on 7 of 8 obs.

SEP 14, 1993 23h 47m 03.49± 0.49s
49.164 N ± 4.2km 6.889 E ± 5.9km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.7 (UCC), 2.6 (STR).

RUP 0.55 12 ePg 47 14.10 -0.5
SRBF 0.68 111 Pg 47 17.70 0.7
Sg 47 28.46
WLF 0.69 316 iPd 47 16.73 -0.5
iS 47 26.63
HOFF 0.74 107 Pg 47 19.29 1.3
CDF 0.79 161 Pg 47 17.95 -1.1
Sg 47 30.07
WLS 0.81 158 Pg 47 19.03 -0.2
Sg 47 29.14
ECH 0.97 169 Pg 47 21.48 -0.4
Sg 47 34.58
VITF 1.12 213 Pg 47 23.52 -1.0
Sg 47 38.07
MOF 1.32 173 Pg 47 28.04 0.0
Sg 47 45.99
BSF 1.33 183 Pg 47 28.08 -0.1
Sg 47 46.33
FEL 1.49 149 Pn 47 31.02 0.6
Pg 47 32.21
Sn 47 50.75
MEM 1.56 339 iPd 47 30.98 -0.2
ic 47 31.63
iS 47 52.35
ENN 1.72 339 iPn 47 35.80 2.2
0.5s 8.90nm
eSn 48 00.00

14d 23h

DOU 1.76 303 Pc 47 33.70 -0.5
i 47 35.90
LOMF 1.82 181 Pg 47 37.31 2.2
Sg 48 00.88
KHC 4.39 88 ePn 48 10.00 -1.7
e 48 58.40
eSg 49 23.50
GEC2 4.50 92 Pn 48 12.50 -0.8
Sn 49 02.60
Sg 49 26.20

S.D. = 1.2 on 17 of 17 obs.

? SEP 14, 1993 23h 53m 52.65± 3.39s
10.154 N ±17.7km 126.477 E ±32.8km
DEPTH = 33.0km (normal)
PHILIPPINE ISLANDS REGION (248)

PLP 1.78 304 ePd 54 21.30 -0.3
iS 54 33.50
BIP 1.93 187 ePd 54 24.00 0.2
eS 54 43.00
CGP 2.44 226 iPc 54 30.50 -0.5
iS 54 58.00
MAP 2.46 274 iPc 54 32.00 0.6
iS 55 00.50

S.D. = 0.9 on 4 of 4 obs.

SEP 15, 1993 00h 45m 57.93± 0.30s
29.496 S ± 7.8km 177.286 W ± 7.5km
DEPTH = 33.0km (normal)
5.2mb (28 obs.) 5.4MsZ (43 obs.)
KERMADEC ISLANDS, NEW ZEALAND (178)
Mw 5.7 (HRV). Ms 5.5 (BRK).
Mo=4.9*10**17 Nm (PPT).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, 76C
Centroid Location:
Origin Time 00:46: 3.1 0.2
Lat 29.29S 0.04 Lon 176.93W 0.03
Dep 17.0 BDY Half-duration 1.5
Moment Tensor; Scale 10**17 Nm
Mrr= 1.81 0.05 Mtt= 0.04 0.07
Mff=-1.85 0.08 Mrt= 0.53 0.15
Mrf= 2.96 0.18 Mtf=-0.57 0.06
Principal Axes:
T Val= 3.48 Plg=61 Azm=277
N 0.18 3 12
P -3.65 29 103
Best Double Couple: Mo=3.6*10**17
NP1: Strike=201 Dip=16 Slip= 100
NP2: 11 74 87

HBZ 8.88 203 eP 48 00.10 -6.8X
PUZ 9.32 202 eP 48 05.80 -7.3X
eS 49 54.00
OUZ 9.59 231 eP 48 21.60 4.9X
URZ 9.90 207 eP 48 14.80 -6.2X
eS 50 09.00
MNG 12.57 206 eP 48 48.90 -8.3X
eS 51 06.70
THZ 14.60 210 eP 49 20.80 -3.1X
eS 51 54.80
KHZ 14.87 207 eP 49 21.30 -6.0X
eS 51 58.60
LTZ 15.70 210 eP 49 35.00 -3.2X
eS 52 17.60
MQZ 16.30 207 eP 49 40.30 -5.5X
eS 52 30.70
AFI 16.33 19 eP 50 00.00 13.6X
eS 52 32.00
DZM 16.40 293 iPc 49 53.10 5.8X
WVZ 16.62 212 eP 49 47.60 -2.2
BKM 17.71 308 iP 50 08.00 4.3X
LMZ 17.80 213 eP 50 00.80 -3.7X
RAR 17.83 66 P 50 04.00 -1.1
S 53 20.00
BWZ 18.14 211 eP 50 07.00 -1.7
ODZ 18.22 208 eP 50 07.70 -2.1
MSZ 19.15 214 eP 50 17.10 -4.0X
ARMA 26.91 260 eP 51 41.00 2.9
0.6s 19.00nm 4.9mb
CNB 28.66 250 iPd 51 57.30 3.5X
1.0s 36.00nm 5.0mb
CAN 28.96 250 iPd 51 59.80 3.3X
iPp 52 06.20 22kmX
BWA 29.42 251 iPd 52 01.60 0.9

TOO 31.89 245 eP 52 25.00 2.5
CTA 34.28 277 iPc 52 45.50 2.2
0.5s 14.08nm 5.1mb
Z 18s 40.55um 6.2MsZ
i 52 50.00
ePP 54 03.00
eS 58 18.00
STK 35.30 256 P 52 53.09 1.2
ASPA 43.79 266 iPd 54 02.60 0.1
0.9s 32.40nm 5.1mb
Z 20s 12.40um 5.8MsZ

i 54 16.60
eS 00 29.60
eScS 03 59.40

WB2 44.68 271 eP 54 09.50 -0.2
0.4s 25.60nm 5.4mb

WRA 44.69 271 P 54 10.10 0.3
0.9s 7.30nm 4.5mb

WB5 44.69 271 eP 54 09.70 -0.1
iPp 54 15.00 18kmX
e 55 21.80

DRV 45.21 202 eP 54 16.20 2.9
SBA 48.98 184 iPc 54 46.70 4.0X

COOL 52.62 252 eP 55 09.50 -1.6
HON 53.83 22 P 55 30.00 10.1X

Z 19s 0.85um 4.8MsZ
KLB 55.23 250 eP 55 29.00 -1.1

GUA 56.22 314 eP 55 35.20 -2.2
0.7s 49.32nm 5.6mb

CSY 56.23 208 P 55 37.90 1.1
GUMO 56.29 314 eP 55 34.20 -3.7X

1.0s 94.90nm 5.8mb
BAL 56.37 251 eP 55 37.00 -1.4

MUN 56.39 249 eP 55 35.00 -3.5X
MBL 56.86 263 eP 55 40.50 -1.5

0.4s 10.00nm 5.2mb
MRWA 57.38 252 eP 55 44.00 -1.5

NANU 60.04 260 eP 56 03.50 -0.6
0.5s 8.00nm 5.1mb

SPA 60.67 180 iPc 56 09.40 1.3
0.6s 36.59nm 5.7mb

DAV 65.83 294 eP 56 40.80 -1.7
MAW 73.37 200 iPd 57 29.40 1.5

0.8s 12.90nm 5.0mb
iPp 57 50.60 80kmX

eS 06 23.20
LEM 73.71 271 ePd 57 31.50 0.5

BAG 75.31 299 eP 57 37.60 -2.6
CHJJ 77.08 325 eP 57 49.60 0.1

MAT 77.86 325 (P) 57 53.00 -0.8
Z 20s 0.71um 5.0MsZ

eS 07 47.00
MTMJ 78.10 324 eP 57 54.90 -0.3

NVL 79.81 183 iPc 58 04.00 0.1
2.0s 37.00nm 5.0mb

Z 18s 1.00um 5.2MsZ
N 18s 0.50um

ePP 01 14.00
ePPP 02 58.00

e 03 42.00
eS 08 07.00

ePS 08 40.00
eSS 13 10.00

eSSS 16 00.00
PAF 81.23 218 e(P) 58 23.00 11.2X

ASAJ 81.91 332 eP 58 16.50 1.2
SMY 82.22 355 P 58 30.00 13.4X

Z 21s 2.71um 5.6MsZ
SSE 83.98 311 P 58 26.00 -0.2

Z 24s 1.50um 5.3MsZ
PP 01 36.00

SAO 84.19 42 P 58 40.00 12.8X
Z 18s 2.89um 5.7MsZ

ABL 84.23 45 (P) 58 29.07 1.4
e 58 41.25

YSS 84.27 334 iPd- 58 27.80 0.5
0.9s 50.00nm 5.7mb

Z 19s 1.20um 5.3MsZ
N 19s 0.80um

E 19s 0.60um
e 58 44.70

eS 08 49.00
BKS 84.51 41 eP 58 34.09 5.4X

Z 18s 2.80um 5.7MsZ
eS 09 08.09

eLR 24 32.09
GZH 84.73 300 P 58 32.00 1.9

PET 84.80 346 eP 58 29.00 -0.8
eS 08 57.00
IPM 85.02 278 ePc 58 31.80 0.0
0.7s 28.00nm 5.6mb

QIZ 85.17 295 P 58 31.00 -1.4
ISA 85.22 44 (P) 58 32.77 0.3

1.0s 9.59nm 5.0mb
Z 18s 1.46um 5.4MsZ

CMB 85.68 42 eP 58 34.67 0.0
0.8s 4.64nm 4.8mb

Z 18s 2.23um 5.6MsZ
CMB 85.68 42 eP 58 41.64 7.0X

Z 17s 1.90um 5.6MsZ
eS 09 03.64

eLQ 21 09.64
eLR 25 05.64

VLA 86.01 325 iPc 58 36.00 0.0
i 58 49.00

eS 09 13.00
ePS 10 23.00

ORV 86.08 40 eP 58 36.93 0.4
ORV 86.08 40 eP 58 43.67 7.1X

Z 18s 1.60um 5.5MsZ
eS 09 13.67

eLQ 21 22.67
eLR 25 15.67

NJ2 86.13 310 Pc 58 32.40 -4.5X
Z 16s 0.64um 5.1MsZ

WDC 86.22 39 P 58 50.00 12.8X
Z 18s 1.86um 5.5MsZ

WDC 86.22 39 eP 58 43.21 6.0X
Z 18s 1.70um 5.5MsZ

eS 09 18.21
eSS 15 07.21

eLQ 21 34.21
eLR 25 29.21

BONR 86.84 43 eP 58 32.64 -8.1X
pP 58 41.06 26kmX

YBH 86.94 38 eP 58 48.52 7.7X
Z 17s 0.70um 5.1MsZ

eS 09 26.52
eLQ 22 25.52

eLR 25 41.52
TUC 88.06 51 P 59 00.00 13.6X

Z 18s 1.55um 5.5MsZ
MDJ 88.24 325 eP 58 47.50 0.7

1.0s 14.00nm 5.2mb
SKS 09 12.00

WHN 88.30 307 Pc 58 48.00 0.6
Z 24s 1.35um 5.3MsZ

SKS 09 12.00
S 09 22.00

DL2 88.71 317 Pc 58 50.00 0.8
Z 18s 0.37um 4.8MsZ

KDC 89.37 13 eP 58 51.34 -0.6
1.2s 15.02nm 5.2mb

SNY 89.50 320 Pc 58 53.00 0.1
1.4s 29.00nm 5.4mb

Z 18s 0.83um 5.2MsZ
CN2 89.80 322 Pd 58 54.40 0.1

1.2s 44.00nm 5.6mb
Z 20s 0.62um 5.0MsZ

N 12s 0.28um
E 12s 0.20um

epP 59 08.00 45kmX
TIA 89.81 313 eP 58 54.90 0.4

1.2s 43.00nm 5.6mb
Z 29s 1.79um 5.3MsZ

N 14s 0.38um
sP 59 10.00

BMW 90.02 34 eP 58 55.71 0.4
SHW 90.31 35 eP 58 56.97 0.2

MRA 90.57 128 ePd 58 59.10 0.8
LON 90.91 35 eP 58 59.08 -0.3

GMW 90.99 33 eP 59 00.10 0.4
NST 91.32 287 eP 59 01.50 -0.3

RMW 91.41 34 (P) 59 01.90 0.2
DUG 91.55 44 P 59 10.00 7.4X

Z 18s 2.00um 5.6MsZ
TCA 91.97 128 eP 59 05.50 0.6

SLKM 92.38 13 eP 59 04.85 -1.0
ALQ 92.53 51 P 59 10.77 3.5X

Z 18s 0.22um 4.6MsZ
ALQ 92.53 51 P 59 20.00 12.7X

Z 18s 1.27um 5.4MsZ
CP2 92.70 12 eP 59 06.55 -1.0

BJI 92.72 315 eP 59 08.00 0.3

15d 00h

	1.3s	6.00nm	4.9mb		Z 18s	1.06um	5.5MsZ	LTX	18.09	329	eP	56	11.40	1.6		
	Z 24s	0.96um	5.2MsZ	X	LBNH	120.43	54 PKP	05 00.00	12.6X	UYO	20.10	357	iPc	56	30.40	-2.7
		eSKS	09 40.00			Z 18s	0.71um	5.3MsZ		MIAR	20.44	359	eP	56	33.25	-3.5X
CRP	92.72	12 eP	59 05.90	-1.7	SOB1	123.05	126 ePdiff	01 44.70	20.4X		0.9s	18.98nm				4.5mb
SIT	93.21	21 P	59 20.00	10.4X	CBM	123.56	51 PKP	05 00.00	6.7X			pP	56	38.81	21km	
	Z 19s	0.60um	5.1MsZ			Z 18s	0.86um	5.4MsZ		PRM	22.24	24 eP	56	53.28	-1.7	
PMR	93.59	13 eP	59 09.93	-1.4	KRI	127.13	213 iPKP	05 17.10	15.8X	SGS	22.29	29 (P)	56	54.08	-1.3	
	0.9s	6.40nm	5.1mb		SVE	131.59	321 ePKPd	05 08.80	0.5	LHS	23.23	27 eP	57	03.32	-1.3	
	Z 18s	1.07um	5.3MsZ			2.2s	50.00nm			ELC	23.44	8 (P)	57	05.40	-1.2	
TIY	93.73	312 eP	59 14.50	1.9			e	05 19.00		ALQ	24.05	332 ePc	57	13.50	0.7	
	Z 26s	1.84um	5.4MsZ	X	MAIO	132.42	294 ePKP	05 10.00	-0.7		1.0s	8.75nm				4.2mb
	E 20s	1.21um			ARU	132.77	321 ePKP	05 09.00	-1.6	TUC	24.31	321 eP	57	17.11	1.8	
KMI	93.97	297 eP	59 13.00	-1.2		Z 20s	1.50um	5.7MsZ			1.0s	10.63nm				4.4mb
	2.0s	40.00nm	5.5mb			E 20s	1.00um			CEH	25.18	28 eP	57	20.82	-2.6	
	Z 20s	1.50um	5.5MsZ		TAB	143.03	295 ePKP	05 26.00	-4.3X		0.8s	9.99nm				4.5mb
		sP	59 30.00		GRO	143.17	304 ePKP	05 27.00	-3.1X	GLD	27.75	340 (P)	57	48.55	1.3	
XAN	94.06	307 P	59 16.50	2.3	KAF	143.90	341 iPKP	05 27.50	-3.3X	GOL	27.75	339 eP	57	49.00	1.6	
	Z 24s	1.17um	5.3MsZ	X		0.5s	2.40nm				1.0s	15.50nm				4.7mb
		pP	59 27.00	33kmX	MOS	143.93	327 ePKP	05 29.00	-2.0	PV08	28.04	334 eP	57	50.76	0.6	
		sP	59 31.00		ERE	144.37	299 iPKP+	05 31.00	-1.4			pP	57	59.04	29km	
		PP	03 08.00		OBN	144.77	326 iPKPc+	05 29.00	-3.5X	RSSD	31.41	345 ePd	58	19.45	-0.6	
		SKS	09 38.00			1.2s	88.00nm				0.7s	6.29nm				4.6mb
NEW	94.28	36 P	59 20.00	5.2X		Z 24s	0.60um	5.3MsZ	X	HVU	32.48	332 eP	58	29.70	0.4	
	Z 19s	3.38um	5.8MsZ			N 24s	0.40um			LRM	35.65	337 ePc	58	56.90	0.2	
BALM	94.59	16 eP	59 15.73	-0.4			e	08 46.00		ULM	36.20	357 eP	59	01.00	0.0	
GOL	95.90	48 P	59 30.00	7.2X	PYA	144.94	306 iPKPc	05 32.00	-1.2	YKA	50.76	347 eP	00	57.00	-1.2	
	Z 18s	0.84um	5.3MsZ			1.0s	150.00nm				0.9s	16.80nm				5.0mb
GLD	96.03	48 P	59 30.00	6.7X		Z 20s	1.00um	5.6MsZ		BALM	58.74	334 (P)	01	56.11	-0.4	
	Z 18s	0.87um	5.3MsZ				i	05 46.00		INK	60.11	344 eP	02	04.50	-1.2	
HHC	96.06	314 eP	59 26.00	2.7	NUR	145.67	341 iPKP	05 33.50	-0.3		0.8s	4.00nm				4.6mb
	Z 24s	2.02um	5.5MsZ	X		0.7s	84.60nm			KLU	60.47	334 eP	02	07.48	-0.9	
	N 17s	0.34um			MOL	146.77	356 ePKP	05 36.07	0.5	NB2	84.66	28 P	04	30.80	-0.3	
CD2	96.13	302 P	59 25.00	1.2	NB2	147.95	352 PKP	05 38.60	1.0		1.0s	7.00nm				4.8mb
	Z 22s	1.07um	5.3MsZ			0.8s	22.20nm			GEC2	90.30	39 PKP	04	59.20	0.5	
		eSP	59 38.00		UPP	148.00	346 iPKP	05 39.80	2.2		0.9s	1.92nm				4.3mb
FBA	96.86	12 eP	59 25.10	-1.1	NRA0	148.20	352 iPKPc	05 40.30	2.4	CHTO	145.27	340 ePKP	11	35.50	-1.0	
	0.9s	5.11nm	5.0mb		NRE0	148.20	352 iPKPc	05 41.90	4.0X	HYB	147.71	15 ePKP	11	44.50	4.0X	
CNCB	97.77	114 P	59 36.00	3.8X			SKSP	19 15.90		GBA	151.02	19 PKP	11	51.50	5.9X	
CNCB	97.77	114 iP	59 30.10	-2.1			PPS	21 57.80			0.8s	4.00nm				
		iPcP	59 37.70		HFS	148.48	349 ePKP	05 40.50	2.1		S.D. = 1.3 on 31 of 34 obs.					
		i	01 08.20			0.6s	23.40nm				-----					
		iPP	03 31.80		ANN	148.73	309 ePKP	05 44.00	4.8X		* SEP 15, 1993 01h 08m 50.91± 0.78s					
		iSKS	10 10.40		KONO	149.49	353 ePKP	05 41.40	1.4		29.547 S ±11.9km 177.231 W ±15.1km					
		e	17 22.40		MNK	149.66	331 ePKP	05 44.00	3.6X		DEPTH = 33.0km (normal)					
LPB	97.83	114 eP	59 37.00	4.7X	KMY	150.24	357 iPKPd	05 46.40	5.3X		5.1mb (10 obs.)					
LPZ	97.94	114 P	59 37.00	4.0X	GAZ	150.30	294 iPKP	05 48.50	6.6X		KERMADEC ISLANDS, NEW ZEALAND (178)					
LZH	98.68	306 eP	59 36.00	0.7	KVT	150.61	302 iPKP	05 49.50	7.2X	RAO	0.67	296 iPc	09	16.10	12.2X	
	2.0s	27.00nm	5.4mb		SIM	150.84	311 ePKP	05 47.00	4.5X			iS	09	24.50		
	Z 24s	0.86um	5.2MsZ	X	KAS	152.21	304 ePKP	05 53.50	8.8X	OUZ	9.60	232 P	11	17.70	7.9X	
	E 17s	0.60um			KIS	153.21	318 iPKP	05 38.00	-7.8X	THZ	14.58	211 eP	12	14.90	-1.7	
		SKS	10 14.00				e	05 52.00		KHZ	14.84	208 eP	12	17.00	-3.0X	
RSSD	99.14	44 P	59 50.00	12.8X	EKA	153.84	8 PKPd	06 07.10	20.7X	DZM	16.47	293 iPd	12	47.00	5.9X	
	Z 18s	2.10um	5.7MsZ			1.1s	11.70nm			WVZ	16.60	212 eP	12	39.30	-3.3X	
MIAR	101.40	57 Pd	00 00.00	12.5X	OJC	155.61	333 ePKP	06 05.80	16.8X	LMZ	17.78	214 eP	12	54.60	-2.7X	
	Z 22s	0.69um	5.1MsZ				e	11 10.00		ODZ	18.20	208 P	13	02.30	-0.2	
GTA	103.08	308 ePdiff	59 53.00	-2.0	UZH	155.70	327 ePKP	06 04.50	15.3X	ARMA	26.95	260 eP	14	33.80	2.4	
	1.5s	7.00nm	5.2mb				e	06 18.30			0.4s	6.00nm				4.6mb
	Z 26s	0.99um	5.2MsZ	X	MLR	155.74	318 ePKP	05 47.50	-2.0	CAN	28.99	250 iPd	14	52.10	2.4	
FVM	105.22	55 PKP	04 30.00	11.4X	SPC	156.22	331 ePKP	05 50.10	0.0	BWA	29.45	252 iPd	14	53.80	-0.1	
	Z 19s	0.92um	5.3MsZ		KSP	156.36	338 ePKP	05 58.50	8.5X	CTA	34.34	277 iPd	15	38.00	1.2	
SLM	105.63	54 PKP	04 30.00	10.6X			i	06 18.80			1.1s	31.65nm				5.2mb
	Z 20s	0.68um	5.2MsZ		CLL	156.89	343 ePKP	06 02.00	11.4X	STK	35.33	256 eP	15	45.50	0.3	
MYNC	108.64	60 Pd	00 21.81	2.1	BRG	157.04	342 ePKP	05 51.90	1.0		0.9s	11.80nm				4.8mb
	Z 18s	0.73um	5.3MsZ				e	06 00.40		ASPA	43.83	266 iPd	16	54.70	-1.1	
MYNC	108.64	60 PKP	04 40.00	14.8X	PAB	168.41	28 ePKP	06 09.00	6.8X		1.0s	22.60nm				4.9mb
	Z 18s	0.73um	5.3MsZ				i	06 18.80		WB2	44.73	271 iPc	17	01.90	-1.2	
MBC	111.40	13 ePdiff	00 30.10	-0.9		S.D. = 1.4 on 92 of 168 obs.						0.5s	25.90nm			5.4mb
	1.2s	90.00nm				* SEP 15, 1993 00h 51m 58.40± 1.18s						44.74	271 P	17	03.00	-0.2
MBC	111.40	13 PKP	04 12.50	-16.7X		14.016 N ±16.5km 93.151 W ± 7.6km						0.9s	7.00nm			4.5mb
	0.7s	39.00nm				DEPTH = 24.9km (2 depth phases)						44.74	271 P	17	24.00	20.8X
		PPP	07 26.10			4.5mb (10 obs.)						1.0s	2.60nm			
		PKKP	15 41.10			NEAR COAST OF CHIAPAS, MEXICO (69)						56.21	208 eP	18	29.10	-0.6
		SS	20 20.10		TPX	1.23	44 iPd	52 21.30	1.2		0.6s	61.10nm				5.8mb
YSNY	115.32	54 PKP	04 50.00	12.2X			iS	52 41.00		MBL	56.90	263 eP	18	33.00	-2.3	
	Z 18s	0.66um	5.3MsZ		PCG	2.50	81 eP	52 38.90	0.4		0.5s	9.00nm				5.1mb
BINY	117.05	55 PKP	04 50.00	9.0X	GCG	2.60	77 eP	52 41.52	1.6	SPA	60.62	180 iPc	19	01.40	0.7	
	Z 19s	0.88um	5.4MsZ				eS	53 15.65			0.9s	50.00nm				5.6mb
RSNY	118.69	53 PKP	04 50.00	5.9X	IXG	2.62	86 eP	52 41.15	0.9		Z 25s	8.00um				5.8MsZ
	Z 18s	0.58um	5.2MsZ				eS	53 22.16		MAT	77.93	325 eP	20	40.00	-7.2X	
LSCT	118.89	56 PKP	05 00.00	15.5X	SCX	2.75	10 iPc	52 44.30	2.5	NVL	79.76	183 eP	20	58.00	1.4	
	Z 18s	1.72um	5.7MsZ				iS	53 14.50		NJ2	86.20	310 eP	21	30.00	-0.2	
KSH	120.29	301 ePKP	04 45.00	-2.4	YUP	3.25	86 eP	52 49.62	0.4	CN2	89.87	322 eP	21	46.20	-1.4	

15d 01h

XAN 94.13 307 eP 22 07.60 0.1
 KAF 143.96 341 ePKP 28 19.30 -4.6X
 OBN 144.84 326 iPKPc 28 22.90 -2.7X
 1.0s 49.00nm
 1 28 30.00
 NUR 145.74 341 iPKP 28 25.40 -1.5
 0.7s 76.50nm
 NB2 148.01 352 PKP 28 30.50 -0.2
 0.8s 14.60nm
 UPP 148.06 346 iPKP 28 31.80 1.1
 HFS 148.54 350 ePKP 28 32.40 0.9
 0.7s 19.60nm
 GAZ 150.36 294 ePKP 28 40.50 5.5X
 KVT 150.68 302 ePKP 28 40.50 5.1X
 BHL 151.76 287 PKP 28 43.00 5.7X
 KAS 152.28 304 ePKP 28 45.00 7.2X
 KSP 156.43 338 ePKP 29 00.70 17.6X
 i 29 10.70

S.D. = 1.3 on 22 of 37 obs.

& SEP 15, 1993 01h 12m 59.35s
 37.175 N 121.574 W
 DEPTH = 2.3km
 CENTRAL CALIFORNIA (39)
 <GM-P>. MD 2.6 (GM).

ARN 0.18 11 iPd 13 02.97 0.1
 SAO 0.42 166 iPc 13 08.30 0.5
 eS 13 15.91
 JEGM 0.78 296 eP 13 14.02 -1.0
 eS 13 26.16
 CMB 1.28 47 eP 13 22.51 -1.3
 eS 13 40.09
 NTYM 1.49 325 eP 13 25.26 -1.8
 MMPM 2.07 77 (Pn) 13 35.16 -0.7
 MEMM 2.15 76 ePn 13 35.89 -0.8
 BCH 2.32 148 ePn 13 37.82 -1.5
 ORV 2.38 1 (P) 13 37.96 -2.0
 MTUM 2.41 85 ePn 13 38.71 -1.9
 ISA 2.92 120 (P) 13 46.69 -1.1
 11 obs. associated

SEP 15, 1993 01h 15m 05.99± 0.49s
 40.092 N ± 7.0km 24.793 E ± 3.6km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 3.2 (THE).

OUR 0.67 292 ePg 15 19.41 0.2
 iSg 15 28.77
 PAIG 0.87 259 ePg 15 23.50 0.8
 eSg 15 35.90
 RDO 1.20 28 ePb 15 28.00 -0.3
 EZN 1.21 102 iPn 15 27.90 -0.6
 eSg 15 43.00
 ALN 1.25 50 ePb 15 29.22 0.1
 iSb 15 47.22
 SOH 1.32 304 iPb 15 30.26 -0.1
 eSb 15 48.38
 SRS 1.37 319 ePb 15 30.82 -0.3
 eSb 15 48.82
 PRK 1.42 126 ePb 15 32.80 1.0
 eSb 15 51.50
 THE 1.50 292 ePb 15 33.14 0.3
 LIT 1.77 271 ePb 15 36.58 -0.3
 iSb 16 00.89
 KNT 1.79 307 ePb 15 37.33 0.1
 iSb 16 00.10
 KGT 1.95 79 iPn 15 38.00 -1.5
 GRG 2.02 296 ePn 15 41.18 0.7
 eSn 16 06.38
 AGG 2.18 241 ePn 15 41.34 -1.5
 EDC 2.36 83 ePn 15 47.00 1.5
 S.D. = 0.9 on 15 of 15 obs.

* SEP 15, 1993 01h 32m 58.68± 0.62s
 13.985 N ± 13.1km 144.128 E ± 11.4km
 DEPTH = 33.0km (normal)
 4.3mb (1 obs.)
 MARIANA ISLANDS (216)

GUMO 0.82 119 iP 33 14.40 0.6
 eS 33 24.60
 PJG 0.82 119 iP 33 14.50 0.7
 GUA 0.88 120 iPc 33 13.50 -1.2
 eS 33 24.80
 MAT 23.08 348 eP 38 09.00 6.6X

ASPA 38.73 195 eP 40 21.50 -0.2
 0.7s 4.20nm 4.3mb
 SLKM 66.00 30 eP 43 44.21 0.3
 KLU 68.26 29 (P) 43 57.60 -0.7
 TIC 143.15 302 PKP 52 32.30 0.2
 LIC 143.39 301 PKP 52 33.10 0.6
 Z 20s 7.50um 6.5msz
 LPZ 148.79 98 PKP 52 42.60 0.5
 LPB 148.82 99 ePKP 52 41.00 -0.9
 CNCB 148.93 99 ePKP 52 38.00 -4.2X
 S.D. = 0.8 on 10 of 12 obs.

? SEP 15, 1993 01h 45m 50.03± 1.05s
 29.405 S ± 12.9km 177.317 W ± 22.4km
 DEPTH = 33.0km (normal)
 4.7mb (4 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

OUZ 9.63 231 P 48 16.50 7.2X
 MRW 13.47 207 P 49 03.00 1.8
 S 51 26.00
 THZ 14.66 210 eP 49 16.30 -0.5
 KHZ 14.93 207 eP 49 19.30 -1.0
 DZM 16.34 293 iPc 49 45.90 7.2X
 STK 35.29 255 iPd 52 44.80 0.8
 0.7s 5.20nm 4.6mb

ASPA 43.77 266 iPc 53 54.20 -0.2
 1.0s 8.60nm 4.5mb
 WB2 44.65 271 iPc 54 01.10 -0.5
 0.3s 5.80nm 4.9mb
 CSY 56.30 208 iPc 55 28.70 -0.7
 0.6s 23.30nm 5.4mb
 KAF 143.80 341 ePKP 05 18.20 -4.5X
 NUR 145.58 341 iPKP 05 24.80 -1.0
 0.7s 23.60nm
 NB2 147.85 352 PKP 05 29.70 0.2
 0.8s 6.50nm
 HFS 148.38 349 ePKP 05 31.50 1.2
 0.4s 2.00nm
 S.D. = 1.1 on 10 of 13 obs.

? SEP 15, 1993 01h 57m 25.80± 3.24s
 38.734 N ± 15.8km 26.307 E ± 31.0km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 3.1 (ISK).

EZN 1.09 1 iPn 57 47.40 1.1
 CIN 1.80 128 eP 57 57.00 -0.1
 KGT 1.88 24 iPn 57 56.50 -1.7
 DST 2.00 64 ePn 58 01.00 0.9
 EDC 2.01 36 ePn 57 58.50 -1.6
 MFT 2.18 20 ePn 58 03.00 0.3
 KCT 2.19 46 iPn 58 04.00 1.2
 S.D. = 1.5 on 7 of 7 obs.

* SEP 15, 1993 02h 11m 24.27± 0.32s
 30.642 N ± 7.8km 41.881 W ± 6.2km
 DEPTH = 10.0km (geophysicist)
 4.6mb (12 obs.) 4.8msz (1 obs.)
 NORTHERN MID-ATLANTIC RIDGE (403)

LFP 35.55 49 eP 18 23.50 0.1
 0.9s 11.80nm 4.8mb
 LSF 36.91 53 eP 18 34.50 -0.4
 TCF 37.38 53 eP 18 38.70 -0.2
 1.1s 18.80nm 4.8mb
 SSF 38.38 52 eP 18 46.90 -0.3
 SMF 38.55 52 eP 18 48.70 0.1
 1.2s 24.10nm 4.8mb
 LOR 38.65 51 eP 18 49.20 -0.3
 1.1s 11.70nm 4.5mb
 LBF 38.69 52 eP 18 49.40 -0.5
 1.0s 9.40nm 4.4mb
 HAU 40.42 51 eP 19 03.90 -0.3
 1.3s 23.85nm 4.7mb
 CDF 41.09 50 eP 19 09.30 -0.4
 1.3s 12.25nm 4.5mb
 ULM 44.43 312 eP 19 36.00 -0.9
 KHC 45.30 50 eP 19 44.00 0.1
 e 20 16.00
 PRU 45.97 48 eP 19 50.50 1.4
 HFS 46.93 34 eP 19 57.50 0.9
 0.5s 1.80nm 4.4mb
 ZST 47.62 51 eP 20 02.30 0.1
 e 20 37.70
 i 51 10.40

SPC 49.68 50 eP 20 18.30 0.0
 e 50 34.30
 SIV 49.91 204 P 20 18.40 -1.8
 LTX 52.92 285 (P) 20 41.86 -1.2
 LPZ 53.06 212 P 20 47.10 2.4
 CCH 53.15 209 P 20 45.00 0.0
 LPB 53.26 212 P 20 46.00 0.1
 CNCB 53.45 212 P 20 47.10 -0.4
 SRU 55.75 299 ePc 21 03.78 0.1
 MSU 57.15 298 ePc 21 14.30 0.5
 DUG 57.20 301 ePd 21 13.68 -0.3
 1.1s 6.62nm 4.6mb
 e 21 22.06

OBN 59.07 41 eP 21 26.50 -0.2
 1.3s 31.00nm 5.3mb
 Z 18s 0.60um 4.8msz
 E 18s 0.20um
 e 21 48.00
 INK 62.51 335 eP 21 50.00 0.1
 1.0s 5.00nm 4.7mb
 ISA 62.80 297 eP 21 53.24 0.9
 FBA 69.03 334 eP 22 32.32 0.6
 1.0s 4.96nm 4.7mb
 KLU 69.84 330 eP 22 36.59 -0.2
 S.D. = 0.8 on 29 of 29 obs.

* SEP 15, 1993 02h 28m 17.84± 1.61s
 14.052 N ± 21.8km 93.079 W ± 9.9km
 DEPTH = 33.0km (normal)
 4.2mb (2 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.6 (GCG).

TPX 1.16 43 iP 28 37.20 -0.6
 iS 28 49.00
 IXG 2.55 87 ePc 28 59.04 1.1
 SCX 2.70 9 iP 29 01.20 1.3
 iS 29 30.80
 YUP 3.18 87 ePd 29 07.68 0.8
 PPM 7.29 314 iP 30 07.00 1.7
 IIA 7.37 314 (P) 30 06.80 0.9
 LTX 18.09 329 eP 32 28.59 0.1
 MIAR 20.41 359 eP 32 55.10 0.3
 ACO 23.20 348 iPd 33 21.30 -1.4
 ALQ 24.05 332 eP 33 30.60 -0.6
 1.0s 3.75nm 3.9mb
 e 33 32.50
 TUC 24.33 321 eP 33 36.25 2.4
 PLM 28.92 316 eP 34 16.44 0.1
 LRM 35.64 337 eP 35 13.90 -1.1
 YKA 50.74 347 eP 37 14.00 -2.4
 0.6s 4.40nm 4.6mb
 INK 60.09 344 eP 38 22.00 -1.9
 KLU 60.47 334 (P) 38 25.93 -0.7
 WRA 134.39 256 PKP 47 42.00 6.9X
 1.1s 2.00nm
 GBA 150.96 19 PKP 48 10.00 6.3X
 S.D. = 1.4 on 16 of 18 obs.

SEP 15, 1993 02h 30m 40.26± 0.22s
 29.653 S ± 5.8km 177.243 W ± 5.8km
 DEPTH = 27.9km (2 depth phases)
 5.4mb (28 obs.) 5.3msz (37 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)
 Mw 5.6 (HRV). Ms 5.4 (BRK).
 Mo=5.5*10**17 Nm (PPT). Felt
 (II) on Raoul Island.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 44S, 85C
 Centroid Location:
 Origin Time 02:30:47.0 0.3
 Lat 29.26S 0.05 Lon 176.99W 0.04
 Dep 18.0 BDY Half-duration 1.6
 Moment Tensor; Scale 10**17 Nm
 Mrr= 1.83 0.05 Mtt=-0.20 0.08
 Mff=-1.63 0.09 Mrt= 0.79 0.15
 Mrf= 2.62 0.17 Mtf=-0.66 0.06
 Principal Axes:
 T Val= 3.29 Plg=62 Azm=284
 N 0.05 2 18
 P -3.33 28 109
 Best Double Couple:Mo=3.3*10**17
 NP1:Strike=205 Dip=17 Slip= 97
 NP2: 18 73 88

RAO 0.71 304 iPc 30 06.00 -48.0X

HBZ	8.75	204	eP	32	45.10	-2.8X		Z	20s	0.71um	5.0Msz		pP	43	39.40	23km
PUZ	9.19	203	eP	32	51.30	-2.8X				eS	52	28.00		S	54	16.00
			S	34	37.20											
OUZ	9.52	232	eP	33	07.20	8.6X										
URZ	9.78	207	eP	32	59.00	-3.1X										
			S	34	50.10											
MNG	12.45	207	eP	33	32.10	-6.3X										
			S	35	50.90											
THZ	14.48	211	eP	34	03.80	-1.4										
			S	36	38.90											
KHZ	14.75	208	eP	34	03.60	-5.0X										
			S	36	42.90											
L TZ	15.58	210	eP	34	15.90	-3.6X										
			S	37	01.70											
MQZ	16.18	207	eP	34	26.30	-0.8										
			eS	37	14.00											
AFI	16.46	19	eP	34	16.00	-15.0X										
			eS	37	24.00											
WVZ	16.50	212	eP	34	30.70	-0.5										
LMZ	17.69	214	eP	34	44.40	-1.7										
BKM	17.84	309	iPc	34	51.00	2.8										
BWZ	18.02	211	eP	34	50.00	-0.2										
ODZ	18.10	209	eP	34	51.10	-0.1										
MSZ	19.04	214	eP	35	01.50	-1.2										
TUZ	19.25	209	eP	35	04.00	-1.2										
ARMA	26.92	261	eP	36	24.30	3.1X										
	0.7s	48.00nm			5.2mb											
TVO	28.14	71	eP	36	34.70	2.4										
	1.1s	201.20nm			5.8mb											
CNB	28.64	250	eP	36	40.40	3.7X										
	1.1s	47.00nm			5.1mb											
CAN	28.94	250	iPd	36	42.90	3.6X										
		e		36	55.60	50kmX										
BWA	29.41	252	eP	36	44.60	1.1										
		i		36	58.20	54kmX										
TPT	30.93	68	eP	36	44.80	-12.3X										
	1.1s	73.30nm														
TOO	31.86	246	eP	37	08.10	2.9										
CTA	34.34	278	iP	37	28.50	1.7										
		e		37	43.00	57kmX										
		e(Pp)		38	49.00											
STK	35.29	256	iPc	37	35.80	0.9										
	0.9s	22.50nm			5.1mb											
		eS		43	19.10											
ADE	37.38	250	ePd	37	54.80	2.3										
QIS	39.92	273	eP	38	16.00	2.2										
ASPA	43.81	266	iPc	38	45.90	0.2										
	1.0s	35.90nm			5.1mb											
	Z	19s			5.9MszX											
		eScP		44	25.50											
		eS		45	10.60											
WB2	44.72	271	iPc	38	53.10	0.0										
	0.4s	45.50nm			5.7mb											
WRA	44.73	271	P	38	53.50	0.4										
	0.9s	10.40nm			4.7mb											
DRV	45.08	202	eP	39	05.20	9.9X										
		S		45	54.00											
FORT	46.88	254	eP	39	10.00	0.0										
SBA	48.83	184	iPd	39	31.00	6.4X										
COOL	52.61	252	eP	39	52.00	-2.0										
HON	53.96	22	P	40	10.00	6.2X										
	Z	18s			4.8MszX											
KLB	55.21	250	eP	40	11.70	-1.4										
NWAO	55.28	249	eP	40	12.20	-1.3										
	Z	20s			5.1Msz											
CSY	56.11	208	iPd	40	20.10	1.1										
	1.1s	83.80nm			5.7mb											
BAL	56.36	251	eP	40	20.00	-1.3										
MUN	56.37	249	eP	40	20.00	-1.4										
MBL	56.87	263	iPc	40	23.60	-1.6										
	0.6s	20.00nm			5.3mb											
MRWA	57.37	253	eP	40	27.30	-1.2										
NANU	60.05	260	eP	40	46.40	-0.8										
SPA	60.51	180	iPc	40	52.70	2.6										
	1.0s	95.00nm			5.9mb											
	Z	23s			5.7MszX											
		i		52	13.20											
DAV	65.93	294	eP	41	23.20	-3.0X										
MAW	73.24	200	iP+	42	12.90	2.7										
	1.1s	38.04nm			5.3mb											
LEM	73.75	271	ePd	42	14.50	0.2										
BAG	75.42	299	eP	42	27.20	3.3X										
KAKJ	76.77	326	eP	42	36.20	5.4X										
CHJJ	77.23	255	eP	42	32.60	-0.8										
WKYJ	77.59	322	eP	42	33.30	-2.2										
MAT	78.01	325	eP	42	36.00	-1.7										
	1.3s	17.31nm			4.9mb											
																</

15d 02h

Z	23s		0.92um			5.2MszX
E	17s		0.60um			
			eSKS	54	56.00	
RSSD	99.23	44	eP	44	19.98	-0.7
	1.3s		16.21nm			5.4mb
Z	18s		2.07um			5.7Msz
MIAR	101.45	57	Pdiff	44	40.00	9.2X
Z	18s		1.15um			5.4Msz
GTA	103.20	308	ePdiff	44	43.50	4.8X
Z	22s		1.29um			5.4Msz
			SKS	55	20.00	
FVM	105.28	55	PKP	49	10.00	8.1X
Z	18s		1.35um			5.5Msz
SLM	105.69	54	PKP	49	10.00	7.4X
Z	18s		0.60um			5.2Msz
MYNC	108.69	60	PKP	49	20.00	11.6X
Z	18s		0.76um			5.3Msz
SSPA	115.28	56	PKP	49	30.00	9.2X
Z	20s		0.09um			4.4Msz
YSNY	115.38	54	PKP	49	30.00	9.0X
Z	18s		0.72um			5.3Msz
BINY	117.11	55	PKP	49	30.00	5.7X
Z	19s		0.93um			5.4Msz
RSNY	118.76	53	PKP	49	40.00	12.7X
Z	21s		0.53um			5.1Msz
LSCT	118.95	56	PKP	49	40.00	12.3X
Z	19s		1.34um			5.6Msz
NRI	119.04	336	ePKP	49	26.00	-1.0
			e	49	38.00	
			e	50	49.00	
KSH	120.40	301	ePKP	49	31.50	0.7
Z	20s		1.11um			5.5Msz
LBNH	120.50	54	PKP	49	40.00	9.4X
Z	18s		0.60um			5.3Msz
FRU	122.19	304	ePKP	49	34.00	0.1
Z	24s		0.50um			5.1MszX
SOB1	122.93	126	ePKP	49	36.60	0.5
KRI	127.02	213	iPKP	50	00.50	16.3X
SVE	131.73	321	ePKPc	49	51.00	-0.7
	2.0s		50.00nm			
Z	20s		1.30um			5.6Msz
N	20s		0.60um			
E	20s		0.70um			
			e	50	04.80	
			e	52	16.80	
MAIO	132.52	294	ePKP	49	54.00	0.0
ARU	132.91	321	ePKP	49	52.00	-2.0
Z	20s		1.00um			5.5Msz
E	20s		1.00um			
TAB	143.13	295	ePKP	50	10.00	-3.6X
GRO	143.29	304	ePKP	50	11.50	-1.9
KAF	144.06	341	ePKP	50	10.50	-3.7X
MOS	144.08	327	ePKP	50	11.00	-3.4X
	1.9s		400.00nm			
ERE	144.48	299	iPKP+	50	14.00	-1.7
OBN	144.92	326	iPKPc+	50	13.50	-2.3
	1.5s		189.00nm			
			e	50	20.00	
			e	53	28.00	
PYA	145.06	305	iPKPc	50	15.50	-1.0
	1.0s		200.00nm			
			i	50	30.00	
NUR	145.83	341	iPKP	50	16.80	-0.4
	0.7s		65.20nm			
MOL	146.93	356	iPKP	50	19.49	0.6
SOC	147.52	306	ePKP	50	22.00	1.5
NB2	148.11	352	PKP	50	21.60	0.6
	0.8s		14.90nm			
UPP	148.16	346	ePKP	50	23.00	2.1
HFS	148.64	349	ePKP	50	23.60	1.8
	0.8s		27.80nm			
ANN	148.86	309	ePKP	50	27.00	4.4X
KONO	149.65	353	ePKP	50	24.00	0.7
MNK	149.81	330	ePKP			

MLR	155.88	317	ePKP	50	56.60	9.7X
TIC	155.97	161	PKP	50	36.10	2.4
KSP	156.52	338	ePKP	50	33.00	-0.3
	1.2s	46.00nm				
			e	50	42.80	
			ic	51	01.40	
CLL	157.05	343	iPKP	50	44.90	10.9X
			i	51	03.10	
	S.D. = 1.2 on 131 of 192 obs.					

? SEP	15, 1993	02h 39m	35.01±	1.14s		
	29.477 S	±33.0km	177.372 W	±24.5km		
	DEPTH = 33.0km (normal)					
	4.5mb (4 obs.)					
KERMADEC ISLANDS, NEW ZEALAND (178)						
STK	35.23	256	iPd	46	30.00	1.6
	0.7s	3.80nm				4.4mb
ASPA	43.71	266	eP	47	39.00	0.1
	0.7s	6.20nm				4.5mb
WB2	44.61	271	iPc	47	44.70	-1.5
	0.9s	6.80nm				4.5mb
CSY	56.21	208	iPc	49	13.30	-0.5
	0.5s	13.60nm				5.2mb
DMN	109.08	291	PKP	58	00.00	-3.7X
NUR	145.63	341	iPKP	59	10.00	-0.8
NB2	147.92	352	PKP	59	14.80	0.2
	0.6s	3.00nm				
HFS	148.44	349	ePKP	59	16.40	1.0
	0.4s	2.10nm				
	S.D. = 1.3 on 7 of 8 obs.					

? SEP	15, 1993	03h 03m	26.04±	0.92s		
	0.555 N	±21.0km	126.642 E	±15.2km		
	DEPTH = 77.0 ± 16.1 km					
	NORTHERN MOLUCCA SEA (266)					
TNE	0.73	71	iP	03	42.00	0.0
MNI	2.01	296	ePc	03	58.50	0.0
			eS	04	25.00	
WB2	21.73	160	iPc	08	12.30	-0.3
	0.3s	14.00nm				4.8mb
ASPA	25.09	164	iPc	08	45.50	0.3
	0.3s	16.60nm				5.0mb
			i	08	47.90	
DMN	48.04	308	P	12	00.00	0.0
	S.D. = 0.5 on 5 of 5 obs.					

? SEP	15, 1993	03h 10m	54.97±	0.98s		
	29.653 S	±19.6km	177.215 W	±17.0km		
	DEPTH = 33.0km (normal)					
	4.3mb (3 obs.)					
KERMADEC ISLANDS, NEW ZEALAND (178)						
RAO	0.73	303	iPc	11	09.50	0.7
			iS	11	21.50	
STK	35.32	256	eP	17	49.60	0.5
	0.8s	3.60nm				4.4mb
WB2	44.74	271	eP	19	06.20	-1.1
	0.9s	5.40nm				4.4mb
WRA	44.76	271	P	19	06.70	-0.7
	0.7s	1.30nm				3.9mb
CSY	56.12	208	iPc	20	33.70	0.6
	0.6s	19.50nm				5.3mb X
NUR	145.84	341	iPKP	30	30.00	-1.2
	0.6s	12.90nm				
NB2	148.11	352	PKP	30	35.00	0.1
	0.8s	2.80nm				
HFS	148.64	350	ePKP	30	36.70	1.0
	0.5s	2.00nm				
	S.D. = 1.0 on 8 of 8 obs.					

SEP	15, 1993	04h 20m	04.24±	1.05s		
	44.217 N	± 5.3km	6.140 E	± 9.5km		
	DEPTH = 10.0km (geophysicist)					
FRANCE						(538)
ML 2.2 (LDG), 1.7 (STR).						
FRF	0.75	151	Pg	20	19.50	0.6
			Sg	20	28.60	
LRG	0.78	168	Pg	20	19.40	0.0
MVIF	0.80	113	Pg	20	20.84	1.0
TOUF	0.82	104	Pg	20	19.28	-1.0
			Sg	20	29.46	
AURF	0.92	111	Pg	20	21.69	-0.2
			Sg	20	34.22	

LMR	0.92	163	Pg	20	21.70	-0.2
			Sg	20	34.10	
AUTN	0.95	103	Pg	20	22.29	-0.3
SBF	1.00	110	Pg	20	23.90	0.7
			Sg	20	38.40	
REVF	1.01	118	Pg	20	23.92	0.6
LPG	1.35	19	Pg	20	29.50	0.1
			Sg	20	49.70	
LPL	1.37	18	Pg	20	29.60	0.1
			Sg	20	51.00	
PGF	2.67	128	Pn	20	46.70	-1.5
	S.D. = 0.8	on	12 of 12 obs.			

* SEP 15, 1993	04h	20m	45.16±	1.74s		
14.081 N	±21.8km	92.773 W	±11.3km			
DEPTH = 33.0km	(normal)					
3.9mb (2 obs.)						
NEAR COAST OF CHIAPAS, MEXICO				(69)		
TPX	0.96	31	iPd	21	01.80	-0.5
			iS	21	15.50	
PCG	2.12	81	eP	21	18.51	-0.8
GCG	2.23	77	eP	21	21.33	0.6
			eS	21	51.16	
IXG	2.25	87	eP	21	22.16	1.2
SCX	2.64	3	iPc	21	28.70	2.3
			iS	22	02.50	
YUP	2.89	87	ePd	21	29.39	-0.6
LTX	18.22	328	eP	24	57.74	0.4
			pP	25	03.92	
UYO	20.06	356	iPd	25	16.20	-2.3
MIAR	20.39	358	(P)	25	21.91	0.0
	0.9s	9.88nm			4.2mb	
		e	25	26.00		
GBTN	22.83	18	(P)	25	51.47	5.0X
ACO	23.23	347	e(P)	25	47.50	-2.9
ALQ	24.16	332	eP	26	00.36	0.7
	0.9s	2.31nm			3.7mb	
PV10	28.16	332	eP	26	37.46	0.6
PV09	28.31	332	(P)	26	38.32	0.1
LRM	35.73	336	eP	27	43.70	0.6
		e	28	11.00		
BALM	58.84	334	(P)	30	43.45	0.6
	S.D. = 1.4	on	15 of 16 obs.			

SEP 15, 1993	05h	40m	56.83±	0.23s		
28.198 S	± 7.3km	177.440 W	± 5.7km			
DEPTH = 61.0km	(19 depth phases)					
5.4mb (36 obs.)						
KERMADEC ISLANDS REGION				(177)		
Felt (IV) on Raoul Island.						
RAO	1.13	202	iPc	41	19.50	2.7
PUZ	10.49	199	eP	43	17.80	-9.1X
			S	45	16.50	
URZ	11.02	203	eP	43	25.20	-8.9X
			S	45	28.90	
MNG	13.69	203	P	43	58.30	-11.2X
			eS	46	26.10	
THZ	15.66	208	eP	44	29.50	-5.6X
			eS	47	14.70	
DZM	15.81	289	iPc	44	43.70	6.6X
KHZ	15.97	205	eP	44	30.70	-8.2X
			eS	47	18.50	
LTZ	16.77	207	eP	44	41.90	-7.1X
LMZ	18.82	211	eP	45	07.50	-6.6X
EWZ	19.19	209	eP	45	12.30	-6.1X
ODZ	19.31	206	eP	45	14.40	-5.2X
MSZ	20.17	212	eP	45	23.20	-5.4X
ARMA	27.02	258	eP	46	37.90	2.7
	0.5s	18.00nm			4.9mb	
		i	46	57.00		
		iPcP	49	56.00		
CNB	29.01	247	iPc	46	54.80	1.7
	0.7s	49.00nm			5.2mb	
CAN	29.31	247	iPc	46	57.40	1.7
BWA	29.73	249	iPc	46	59.40	-0.1
TOO	32.33	244	eP	47	23.00	0.7
STK	35.51	254	iPc	47	50.30	0.6
	0.5s	15.20nm			5.2mb	
ADE	37.7					

0.6s 36.50nm 5.4mb			1.0s 14.00nm 5.2mb			0.8s 61.20nm		
FORT	47.12 253 iPd	49 24.00 -0.8	ARUT	88.87 45 eP	53 46.12 -0.3	UPP	146.71 346 iPKP	00 31.10 0.2
	0.6s 81.00nm	5.8mb	VBEM	88.88 36 P	53 44.82 -0.8	HFS	147.18 350 ePKP	00 32.50 0.9
KNA	51.04 272 eP	49 55.00 -0.1	VIPM	89.01 37 P	53 46.35 0.0		0.7s 90.40nm	
COOL	52.90 251 eP	50 07.00 -2.0	BMW	89.03 34 ePc	53 46.65 0.5	Z	18s 0.04um	4.3Msz
RKG	55.46 246 eP	50 26.00 -1.6	CROR	89.14 36 P	53 46.80 0.0		LR	52 30.00
KLB	55.55 249 eP	50 26.30 -1.9	SHW	89.32 35 ePc	53 48.44 0.8	KONO	148.19 353 ePKP	00 32.70 -0.6
NWAO	55.66 248 eP	50 26.70 -2.3	VGB	89.61 36 eP	53 48.75 -0.2	KMY	148.94 357 iPKPc	00 37.69 3.2X
MEEK	56.18 255 eP	50 30.50 -2.4	LON	89.92 35 ePc	53 50.14 -0.2	GAZ	149.63 296 iPKP	00 41.90 5.7X
BAL	56.67 250 eP	50 34.00 -2.3	STW	89.98 33 P	53 51.74 1.2	KVT	149.79 304 ePKP	00 40.00 3.6X
MUN	56.73 249 eP	50 35.00 -1.7	GMW	89.99 34 ePc	53 50.90 0.3	KAS	151.36 306 iPKPc	00 45.80 7.0X
MBL	56.89 262 iPc	50 36.60 -1.4	JBO	90.06 36 P	53 51.20 0.2	BCAO	151.90 216 iPKPd	00 44.30 3.9X
	0.4s 12.00nm	5.3mb	MSU	90.10 45 iPc	53 52.15 0.5		0.2s 60.00nm	
CSY	57.32 207 iPd	50 38.60 -1.7		epP	54 09.48 61km		ic	00 47.00
	0.5s 102.30nm	6.2mb	FMW	90.12 35 P	53 51.75 0.3	EKA	152.57 7 PKPc	00 51.50 11.5X
MRWA	57.65 252 eP	50 41.30 -1.9	RMW	90.41 34 iPc	53 52.70 0.1		1.5s 27.40nm	
	0.6s 21.00nm	5.4mb		epP	54 09.94 60km	OJC	154.39 334 ePKP	00 51.30 8.6X
NANU	60.15 259 iPc	50 59.80 -0.8	EBG	90.66 35 P	53 54.19 0.5	KSP	155.11 339 iPKP	00 52.60 9.0X
	0.4s 25.00nm	5.7mb	DUG	90.71 44 eP	53 53.84 -0.4		i	00 56.20
SPA	61.96 180 iPc	51 13.00 0.4		1.6s 14.14nm	5.1mb		i	01 08.50
	0.8s 170.83nm	6.2mb	SVV	90.74 10 eP	53 52.70 -1.1	CLL	155.61 344 iPKP	00 53.90 9.6X
LEM	73.55 271 ePd	52 26.50 0.8	MCW	90.75 33 eP	53 54.68 0.6		i	01 10.10
MAW	74.54 200 iP	52 31.20 0.9	LTX	90.79 57 eP	53 53.46 -1.3	BRG	155.77 342 iPKP	00 54.30 9.8X
	0.9s 33.33nm	5.3mb		epP	54 11.22 63km		1.0s 10.00nm	
KAKJ	75.47 326 eP	52 37.60 1.6	NST	90.81 287 eP	53 56.50 1.5		i	01 11.40
CHUJ	75.94 325 eP	52 37.70 -1.0	JCW	90.85 33 P	53 55.17 0.6	PRU	156.40 340 ePKP	00 34.50 -10.9X
IIDJ	76.06 324 eP	52 39.40 -0.1	GYA	90.89 300 P	53 57.40 2.0		e	01 14.50
WKYJ	76.35 321 P	52 42.20 1.1	WAH2	91.07 36 P	53 55.85 0.3	ZST	157.07 334 ePKP	01 04.00 17.7X
MAT	76.72 325 eP	52 43.00 -0.1	LNOR	91.15 37 P	53 55.85 -0.2	KHC	157.44 341 ePKP	00 49.00 2.2
	1.0s 30.00nm	5.2mb	SLKM	91.15 13 ePc	53 54.92 -0.8		e	00 57.50
NIIJ	76.87 326 eP	52 45.00 1.1		epP	54 12.31 61km		e	01 19.00
KAGJ	76.88 316 eP	52 42.20 -1.9	CP2	91.46 12 eP	53 56.13 -1.2	KBA	159.35 339 i(PKP)	01 08.90 19.7X
MTMJ	76.96 324 P	52 44.00 -0.6	CRP	91.48 12 eP	53 55.43 -1.9		0.8s 7.20nm	
TKSJ	77.04 320 P	52 45.90 1.0	SRU	91.49 46 ePc	53 57.83 -0.1		i	01 31.70
TSRJ	77.12 323 eP	52 45.90 0.6	WTV	91.50 35 P	53 57.68 0.1	S.D. = 1.1 on 124 of 153 obs.		
KUMJ	77.87 317 eP	52 50.30 0.8	HVU	91.69 43 iPc	53 58.88 0.1	SEP 15, 1993 05h 47m 55.14± 0.70s		
YONJ	78.24 321 P	52 52.20 0.7	ALQ	91.82 51 ePc	53 59.52 0.0	56.040 N ± 9.3km 157.444 W ± 6.5km		
ADK	79.74 0 eP	52 58.30 -0.8		0.7s 10.53nm	5.4mb	DEPTH = 86.6 ± 6.5 km		
	0.6s 96.20nm	5.9mb		epP	54 16.95 61km	4.5mb (7 obs.)		
NVL	81.09 183 iPc	53 06.00 -0.2	PV10	92.02 47 ePc	53 59.72 -0.8	ALASKA PENINSULA (12)		
	1.0s 35.00nm	5.2mb	PV09	92.03 47 eP	53 59.72 -0.9	Felt (IV) at Perryville and (II)		
	i	53 25.00	PMR	92.36 13 eP	54 00.20 -0.9	at Chignik Lagoon.		
SNA	81.71 178 iPc	53 10.40 1.0		1.0s 19.00nm	5.5mb	SPBA	1.85 249 iP	48 24.22 -1.5
	0.8s 81.00nm	5.7mb	PV08	92.39 47 eP	54 02.12 -0.1		eS	48 46.76
SSE	83.04 311 P	53 17.00 0.0	PTI	92.59 42 eP	54 03.42 0.6	SDN	1.87 249 iPd	48 26.76 0.9
	1.0s 17.00nm	5.0mb	SML	92.72 13 P	53 58.91 -4.0X	KDC	3.21 56 iPd	48 45.16 0.9
BCH	83.09 44 eP	53 17.81 0.5	TIY	92.77 312 eP	54 02.50 -1.2	CDD	3.55 34 iP	48 49.95 0.9
ABL	83.40 45 iPc	53 19.24 0.2	HHA1	92.83 42 eP	54 04.51 0.6	SYI	3.76 45 iP	48 53.15 1.2
	epP	53 36.62 62km	XAN	93.18 307 P	54 07.00 1.4	AUI	3.95 31 iP	48 55.57 1.1
ARN	83.67 42 iPc	53 20.76 0.6		0.7s 9.00nm	5.3mb		eS	49 40.25
	epP	53 37.25 58km	KMI	93.27 297 Pd	54 09.00 2.5	AUW	3.96 31 eP	48 55.87 1.1
PEC	84.08 47 eP	53 22.18 -0.1		1.5s 50.00nm	5.7mb	AUH	3.96 31 eP	48 55.98 1.1
	0.6s 10.51nm	5.0mb		pP	54 22.00 43kmX	AGU	3.96 31 eP	48 56.03 1.1
KMPM	84.32 38 eP	53 39.29 61km	CHTO	93.31 289 eP	54 09.10 2.6	AUP	3.97 31 ePc	48 55.79 0.8
	epP	53 24.39 1.0		0.9s 10.23nm	5.3mb	AUE	3.98 32 eP	48 56.20 1.2
ISA	84.39 45 ePc	53 24.19 0.4	BALM	93.39 16 iPc	54 05.75 -0.3	AUL	3.98 31 eP	48 56.13 1.1
	0.9s 47.51nm	5.5mb		epP	54 22.63 59km	PDB	4.14 23 iP	48 57.30 0.1
SDN	84.46 10 eP	53 23.00 -0.6	MCMT	93.48 40 eP	54 07.30 0.3		iS	49 41.90
	epP	53 41.43 61km	GOL	95.13 47 eP	54 14.83 0.1	OPT	4.27 30 eP	48 59.96 0.9
	0.5s 98.50nm	6.1mb		0.8s 5.56nm	5.1mb	XLV	4.60 39 eP	49 04.55 1.0
QIZ	84.51 295 iPd	53 26.20 1.6	CD2	95.33 302 P	54 13.70 -1.9	INE	4.66 28 eP	49 05.11 0.5
CMB	84.80 42 eP	53 25.01 -0.8	FBA	95.62 12 eP	54 14.90 -1.2	ILIM	4.70 29 eP	49 05.85 0.8
	0.7s 25.47nm	5.4mb		0.8s 23.00nm	5.7mb	HOM	4.77 38 eP	49 06.69 0.7
	(pP)	53 43.06 65km		epP	54 45.40 59km		eS	49 59.11
GLA	85.08 48 eP	53 27.49 0.2	INK	101.54 15 epdiff54	49.00 6.3X	CNPM	4.82 41 iP	49 07.13 0.4
	epP	53 44.79 62km		1.0s 3.00nm	4.9mb	RED	5.04 27 iP	49 10.24 0.4
ORV	85.18 40 iPc	53 27.49 -0.1	DMN	108.56 292 PKP	59 20.00 -1.0	RDW	5.08 27 eP	49 10.83 0.3
	epP	53 44.73 61km		0.8s 23.00nm		BRLK	5.12 40 eP	49 10.76 -0.1
GSC	85.20 46 iPc	53 28.40 0.5	DMN	108.56 292 PKP	59 21.00 0.0		eS	50 06.20
WDC	85.30 39 ePc	53 28.58 0.4	GBA	109.50 275 PKP	59 22.00 -0.6	REF	5.12 27 eP	49 11.22 0.2
	0.9s 32.74nm	5.4mb	KSH	119.51 302 ePKP	59 41.50 0.2	NCT	5.12 26 eP	49 11.21 0.2
	epP	53 45.42 60km	FRB	123.24 30 ePKP	59 46.00 -1.4	SWT	5.17 10 eP	49 09.76 -1.9
LGPM	85.37 38 ePc	53 29.42 0.8		0.6s 5.00nm			eS	50 05.47
BONR	85.98 43 iPc	53 32.36 0.3	SOB1	123.91 125 ePKP	59 49.30 -1.0	BKG	5.73 26 eP	49 19.33 -0.1
	epP	53 49.65 61km	SDF	138.19 346 ePKP	00 08.00 -7.9X	SPU	5.87 26 eP	49 21.46 0.1
LBFM	86.18 38 eP	53 33.15 0.3	KAF	142.63 342 iPKP	00 18.40 -5.6X	SLKM	5.88 37 iP	49 20.81 -0.6
TNP	86.72 43 eP	53 35.09 -0.4		0.4s 14.30nm		CP2	5.90 25 eP	49 21.71 -0.2
	0.7s 21.83nm	5.4mb		epP	54 22.00 -3.8X	CRP	5.92 26 iPc	49 22.04 -0.1
	epP	53 52.70 63km	OBN	143.61 327 ePKP		MPA	6.17 40 eP	49 24.58 -0.8
MDJ	87.10 325 eP	53 37.70 0.8		1.3s 52.00nm		SUA	6.46 30 eP	49 29.06 -0.5
	1.0s 17.00nm	5.2mb		e	00 28.00		eS	50 37.20
TUC	87.36 51 ePc	53 40.10 1.6		e	00 48.00	LTI	6.48 48 eP	49 28.71 -1.0
	0.6s 13.95nm	5.3mb	NUR	144.40 341 iPKP	00 24.70 -2.3	PMS	6.64 35 eP	49 31.00 -1.0
	epPd	53 57.44 61km		0.4s 84.40nm		SKT	6.69 25 eP	49 32.06 -0.6
KDC	88.14 13 eP	53 41.60 0.0	MOL	145.47 356 iPKPc	00 27.67 -1.1	PWL	6.79 41 eP	49 32.73 -1.3
CN2	88.69 323 eP	53 44.80 0.3	NB2	146.65 352 PKP	00 29.40 -1.5			

15d 05h

MID 6.85 56 P 49 35.70 1.0
 PWA 6.86 32 eP 49 33.80 -1.0
 PLRM 7.04 34 P 49 36.35 -1.0
 PMR 7.04 34 eP 49 34.95 -2.4X
 CFI 7.22 40 iP 49 38.26 -1.5
 HIN 7.24 48 iP 49 39.57 -0.6
 GHO 7.24 34 P 49 38.20 -2.0X
 SML 7.46 35 eP 49 41.14 -2.0X
 CVA 7.64 49 eP 49 44.65 -0.9
 VLZ 7.73 44 eP 49 45.75 -1.0
 SCM 7.81 38 eP 49 46.68 -1.4
 SGAM 7.84 50 eP 49 47.80 -0.6
 KAIM 7.94 55 eP 49 50.30 0.6
 RAGM 8.02 52 eP 49 50.16 -0.8
 KLU 8.10 43 iP 49 50.85 -1.2
 TOA 8.40 39 P 49 55.20 -0.9
 GLB 8.91 47 eP 50 01.89 -1.2
 PAX 9.23 36 eP 50 05.81 -1.6X
 BALM 9.34 51 eP 50 08.35 -0.6
 YAH 9.34 56 eP 50 09.09 0.0
 CCB 9.85 25 eP 50 12.00 -3.8X
 FBA 10.07 24 eP 50 13.78 -4.9X
 IM3 10.14 9 eP 50 17.84 -1.8X
 IL1 10.18 26 iP 50 16.51 -3.7X
 ILB 10.18 26 P 50 16.50 -3.7X
 BC3 10.59 42 iP 50 25.50 -0.3
 BM3 12.90 23 eP 50 53.28 -2.9X
 INK 16.45 32 eP 51 42.00 0.5
 0.5s 3.00nm 3.7mb
 YKA 22.46 56 eP 52 50.20 2.8
 0.6s 5.20nm 4.1mb
 DAG 44.90 12 eP 56 03.00 1.0
 0.5s 7.04nm 4.7mb
 HFS 63.96 5 eP 58 19.70 -0.9
 0.4s 1.30nm 4.2mb
 XAN 64.43 293 P 58 24.30 0.2
 0.7s 7.00nm 4.7mb
 GTA 64.69 303 eP 58 25.00 -0.9
 1.0s 9.00nm 4.7mb
 LZH 65.39 298 P 58 30.50 0.1
 0.8s 22.00nm 5.1mb
 CD2 69.56 295 iPd 58 57.40 1.0
 S.D. = 1.0 on 61 of 71 obs.
 ? SEP 15, 1993 05h 53m 25.82± 1.72s
 29.626 S ± 25.7km 177.107 W ± 25.2km
 DEPTH = 33.0km (normal)
 4.3mb (4 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)
 RAO 0.80 298 iPc 53 41.00 0.4
 eS 53 50.00
 STK 35.42 256 iPc 00 22.10 1.3
 0.9s 2.70nm 4.2mb
 WB2 44.84 271 eP 01 37.40 -1.5
 0.7s 4.90nm 4.5mb
 WRA 44.85 271 P 01 38.50 -0.5
 0.8s 1.50nm 3.9mb
 CSY 56.19 208 eP 03 04.40 0.0
 0.6s 5.80nm 4.8mb
 NB2 148.10 352 PKP 13 06.00 0.3
 0.9s 3.50nm
 BCOA 150.90 214 ePKPc 13 25.00 13.6X
 0.8s 4.00nm
 S.D. = 1.2 on 6 of 7 obs.
 * SEP 15, 1993 06h 18m 22.38± 1.31s
 6.111 S ± 13.8km 148.123 E ± 17.5km
 DEPTH = 33.0km (normal)
 4.4mb (4 obs.)
 NEW BRITAIN REGION, P.N.G. (192)
 ML 4.3 (PMG).
 YYYY 2.15 266 eP 18 58.20 1.5
 eS 19 23.00
 MDG 2.48 290 eP 19 01.30 -0.1
 PMG 3.41 196 eP 19 15.00 0.4
 eS 19 53.00
 WWKK 5.12 299 eP 19 42.00 3.1X
 JAY 8.21 295 ePd 20 25.20 2.9X
 eS 22 05.80
 WB2 19.19 223 iPc 22 41.40 -4.9X
 0.3s 8.40nm 4.5mb
 ASPA 22.18 217 eP 23 14.40 -3.0
 0.4s 13.40nm 4.7mb
 eS 27 17.30
 ARMA 24.40 173 eP 23 40.10 0.9

0.6s 5.00nm 4.2mb
 STK 26.36 193 iPd 23 57.20 -0.2
 1.5s 3.30nm 3.7mb
 MAT 43.43 348 eP 26 23.00 -0.9
 PPD 146.16 146 ePKP 38 02.10 1.3
 S.D. = 1.7 on 8 of 11 obs.
 * SEP 15, 1993 06h 52m 55.04± 0.78s
 6.039 S ± 7.9km 127.630 E ± 13.3km
 DEPTH = 401.5 ± 12.2 km
 4.4mb (5 obs.)
 BANDA SEA (280)
 SLKI 4.12 118 eP 54 07.50 -1.4
 TLE 5.11 86 iPc 54 19.90 1.1
 iS 55 23.20
 MTN 7.59 153 eP 54 46.70 0.5
 0.3s 252.00nm 6.0mb X
 eS 56 10.00
 KNA 9.71 173 eP 55 10.70 0.0
 WB2 15.29 155 iPc 56 11.40 -1.3
 0.4s 40.60nm 5.2mb X
 eS 58 49.00
 QIS 18.53 142 iPd 56 46.50 1.0
 ASPA 18.54 162 iPc 56 45.90 0.3
 0.5s 27.20nm 4.9mb
 eS 59 53.40
 NANU 20.16 214 eP 57 01.70 0.4
 STK 28.84 155 iPd 58 20.20 -0.1
 0.8s 2.50nm 3.6mb
 CHTO 37.54 312 eP 59 35.10 0.8
 MAT 43.50 12 eP 00 22.00 -0.4
 0.8s 4.48nm 3.9mb
 GUN 52.56 312 P 01 31.80 -0.1
 0.6s 25.00nm 4.7mb
 KKN 52.94 312 P 01 34.00 -0.5
 0.6s 19.00nm 4.6mb
 DMN 52.97 311 P 01 34.40 -0.3
 S.D. = 0.9 on 14 of 14 obs.
 % SEP 15, 1993 07h 45m 24.54± 0.89s
 39.131 N ± 7.4km 27.600 E ± 8.7km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 IZM 0.78 200 ePg 45 40.00 -0.2
 DST 0.93 59 ePn 45 43.00 0.2
 EZN 1.21 306 iPn 45 48.00 0.5
 KCT 1.26 27 iPn 45 48.50 0.1
 KGT 1.34 350 iPn 45 49.00 -0.7
 S.D. = 0.7 on 5 of 5 obs.
 ? SEP 15, 1993 07h 53m 20.23± 1.46s
 68.342 N ± 17.0km 19.804 E ± 9.2km
 DEPTH = 10.0km (geophysicist)
 NORTHERN NORWAY (646)
 MD 2.6 (BER).
 TRO 1.33 347 eP 53 44.76 0.0
 eS 54 01.64
 KTK1 1.42 60 eP 53 45.59 -0.5
 eS 54 04.56
 LOF 2.34 268 eP 53 59.35 0.0
 eS 54 30.68
 ARA0 2.38 57 Pn 54 00.48 0.6
 Pg 54 02.43
 Lg 54 31.30
 S.D. = 0.8 on 4 of 4 obs.
 % SEP 15, 1993 08h 01m 25.33± 0.88s
 39.133 N ± 7.2km 27.334 E ± 9.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 IZM 0.74 184 iPg 01 40.00 0.2
 iSg 01 52.00
 EZN 1.04 312 ePn 01 44.50 -0.5
 DST 1.11 64 ePn 01 46.00 -0.2
 KGT 1.32 359 iPn 01 50.50 0.9
 KCT 1.37 35 iPn 01 50.00 -0.4
 S.D. = 0.8 on 5 of 5 obs.
 * SEP 15, 1993 08h 01m 58.95± 1.48s
 29.320 S ± 8.7km 70.929 W ± 19.0km
 DEPTH = 146.5 ± 30.4 km

CENTRAL CHILE (136)
 RTRS 1.53 124 e(P) 02 28.00 -0.9
 RTCB 2.84 140 ePc 02 45.00 0.3
 S 03 18.50
 ZON 2.95 139 eP 02 47.00 0.9
 CFA 3.25 135 ePd 02 50.40 0.3
 S 03 28.00
 RTCV 3.27 141 eP 02 51.00 0.8
 S 03 30.00
 RTPR 3.96 105 iPd 02 59.00 -0.3
 S 03 45.00
 CYA 4.59 80 ePc 03 07.50 -0.2
 S 04 57.50
 ANT 5.61 5 eP 03 21.50 0.2
 RFA 5.82 160 ePc 03 23.20 -1.1
 S.D. = 0.8 on 9 of 9 obs.
 ? SEP 15, 1993 08h 03m 00.84± 1.02s
 39.098 N ± 9.0km 27.487 E ± 15.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).
 IZM 0.72 194 iPg 03 15.00 0.0
 eSg 03 25.00
 DST 1.02 60 ePn 03 20.40 0.2
 KCT 1.33 30 iPn 03 25.00 -0.4
 KGT 1.36 354 iPn 03 26.00 0.2
 S.D. = 0.5 on 4 of 4 obs.
 ? SEP 15, 1993 08h 28m 20.51± 0.94s
 39.670 N ± 9.4km 29.460 E ± 8.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).
 DST 0.65 265 ePg 28 33.00 -0.5
 eSg 28 43.90
 ALT 0.79 140 ePg 28 36.20 0.2
 eSg 28 48.20
 KCT 1.03 305 iPn 28 40.50 0.6
 EYL 1.04 31 ePn 28 40.00 -0.3
 S.D. = 0.8 on 4 of 4 obs.
 % SEP 15, 1993 08h 48m 47.58± 0.80s
 39.128 N ± 6.4km 27.600 E ± 7.9km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 IZM 0.78 200 ePg 49 02.50 -0.2
 eSg 49 15.50
 DST 0.93 59 ePn 49 05.90 0.5
 EZN 1.21 306 iPn 49 10.50 0.4
 BNT 1.25 11 ePn 49 10.00 -0.8
 KCT 1.26 27 iPn 49 11.00 0.0
 KGT 1.34 350 iPn 49 12.50 0.2
 MFT 1.67 352 ePn 49 17.00 -0.1
 S.D. = 0.6 on 7 of 7 obs.
 SEP 15, 1993 09h 04m 19.80± 0.76s
 38.266 N ± 7.0km 28.127 E ± 7.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 3.0 (ISK).
 CIN 0.67 183 iPg 04 34.00 1.0
 iSg 04 45.00
 IZM 0.69 281 iPg 04 32.50 -1.0
 eSg 04 42.30
 KHL 1.10 87 ePn 04 39.20 -1.3
 DST 1.39 16 iPn 04 45.50 0.2
 ALT 1.74 62 ePn 04 50.00 -0.4
 KCT 1.99 5 iPn 04 55.00 1.2
 BNT 2.09 356 ePn 04 56.00 0.7
 KGT 2.27 344 iPn 04 57.00 -0.9
 EYL 2.78 34 ePn 05 06.00 0.7
 S.D. = 1.1 on 9 of 9 obs.
 % SEP 15, 1993 09h 58m 34.70± 1.72s
 60.599 N ± 7.0km 4.481 E ± 16.2km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN NORWAY (535)
 MD 2.1 (BER).
 ASK 0.37 108 eP 58 43.31 1.0

HNR	7.19	292	eP	46	10.00	-0.6
			eS	47	37.00	
DZM	9.85	181	iPd	46	48.10	1.8
			iS	48	32.90	
ARMA	22.92	215	eP	49	20.90	1.2
	0.8s	89.00nm				5.2mb
URZ	27.58	162	eP	50	04.00	1.1
CNB	27.89	211	eP	50	07.00	1.2
	1.0s	27.00nm				4.9mb
NOZ	28.20	161	eP	50	08.10	-0.3
MNG	29.37	166	P	50	18.60	-0.3
PGZ	29.56	165	P	50	20.30	-0.2
THZ	29.97	171	eP	50	24.70	0.5
STK	30.32	226	iPc	50	27.40	0.1
	0.8s	10.40nm				4.6mb
			ipP	50	57.80	143km
KHZ	30.71	170	P	50	29.10	-1.5
L TZ	30.88	172	eP	50	32.20	0.0
TOO	31.63	213	eP	50	39.40	0.6
	0.6s	15.00nm				4.9mb
WB2	32.00	252	iPd	50	40.80	-1.4
	0.7s	10.30nm				4.7mb
ASPA	33.17	245	iPc	50	50.70	-1.6
	0.7s	41.00nm				5.3mb
MBL	45.65	252	iPc	52	35.80	0.3
	0.6s	45.00nm				5.3mb
COOL	45.94	239	eP	52	37.00	-0.7
MEEK	47.32	245	iPc	52	48.50	-0.2
	0.6s	47.00nm				5.4mb
NWAO	49.64	237	eP	53	05.60	-0.8

15d 11h

NANU 49.73 251 eP 53 07.00 -0.1
 MRWA 49.99 242 eP 53 08.00 -1.1
 MUN 50.29 238 eP 53 10.00 -1.3
 LEM 58.44 269 ePc 54 10.50 -0.5
 SSE 61.32 316 Pd 54 29.20 -0.9
 0.8s 26.00nm 5.2mb
 NJ2 63.49 315 Pd 54 44.70 0.3
 1.1s 15.00nm 4.8mb
 CSY 65.69 202 iPd 54 57.40 -0.8
 0.7s 27.20nm 5.3mb
 CN2 67.19 329 P 55 07.90 -0.1
 1.0s 28.00nm 5.1mb
 GYA 69.83 304 iPc 55 24.80 0.0
 0.8s 13.00nm 4.8mb
 BJI 69.95 321 eP 55 25.00 -0.1
 1.0s 11.00nm 4.6mb
 TIY 71.03 317 eP 55 32.80 1.0
 XAN 71.58 312 P 55 35.20 0.1
 1.0s 18.00nm 4.8mb
 KMI 72.52 301 Pc 55 41.50 0.5
 1.0s 80.00nm 5.4mb
 HHC 73.30 319 Pd 55 46.60 1.5
 1.0s 14.00nm 4.7mb
 CHTO 73.55 294 ePc 55 47.40 0.6
 1.2s 14.24nm 4.6mb
 CD2 74.04 307 P 55 50.00 0.5
 1.0s 35.00nm 5.1mb
 BTO 74.16 319 eP 55 51.00 0.9
 LZH 76.21 312 iPc 56 03.40 1.4
 1.5s 56.00nm 5.1mb
 SPA 77.90 180 iPc 56 11.20 0.5
 1.0s 20.00nm 4.8mb
 GTA 80.52 314 Pc 56 26.00 0.7
 1.5s 31.00nm 4.8mb
 FBA 84.09 18 ePc 56 42.50 -0.4
 1.0s 4.79nm 4.3mb
 GUN 87.69 299 P 57 03.00 1.2
 KKN 88.18 299 P 57 04.80 0.8
 0.8s 44.00nm 5.5mb
 DMN 88.28 299 P 57 05.60 1.0
 WMQ 90.56 315 P 57 15.40 0.8
 1.0s 12.00nm 5.0mb
 HYB 91.86 287 eP 57 21.40 0.4
 GBA 92.12 283 P 57 22.40 0.2
 0.8s 3.00nm 4.5mb
 GOL 96.07 51 (P) 57 39.13 -1.1
 NSD 122.64 345 ePKP 03 05.20 -1.8
 0.4s 0.70nm
 GEC2 137.13 334 PKP 03 37.30 1.9
 0.8s 1.96nm
 LPG 142.66 337 ePKP 03 43.50 -2.2
 0.9s 6.90nm
 SBF 143.73 334 ePKP 03 44.90 -2.4
 0.8s 26.45nm
 PGF 144.07 331 ePKP 03 46.40 -1.6
 0.8s 18.00nm
 FRF 144.30 335 ePKP 03 47.00 -1.2
 1.1s 58.85nm
 LRG 144.51 335 ePKP 03 48.00 -0.5
 1.0s 53.40nm
 LMR 144.55 335 ePKP 03 48.00 -0.6
 1.0s 51.00nm
 RJF 144.65 342 ePKP 03 48.60 -0.1
 CAF 144.82 341 ePKP 03 49.40 0.3
 1.0s 24.60nm
 LFF 145.21 342 ePKP 03 50.50 0.8
 LPO 145.31 342 ePKP 03 50.80 0.9
 BCAO 147.62 259 iPKPc 03 56.00 1.4
 0.3s 95.00nm
 ic 03 58.90
 ic 04 31.10
 S.D. = 1.0 on 60 of 60 obs.
 % SEP 15, 1993 11h 55m 57.46± 0.81s
 39.150 N ± 6.5km 27.538 E ± 8.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 IZM 0.78 196 ePg 56 12.50 -0.2
 eSg 56 27.00
 DST 0.96 61 ePn 56 16.20 0.4
 EZN 1.16 306 ePn 56 19.50 0.5
 BNT 1.24 14 ePn 56 20.00 -0.5
 KCT 1.27 30 ePn 56 21.00 0.0

KGT 1.31 352 iPn 56 21.50 -0.2
 S.D. = 0.5 on 6 of 6 obs.
 SEP 15, 1993 11h 56m 53.33± 0.60s
 41.020 N ± 5.7km 20.089 E ± 6.6km
 DEPTH = 10.0km (geophysicist)
 ALBANIA (391)
 ML 2.8 (THE), 2.7 (TIR).
 TIR 0.37 333 iPg 56 58.70 -2.2
 iSg 57 07.00
 OHR 0.54 80 iPg 57 02.20 -2.2
 0.5s 890.00nm
 LACI 0.68 335 iPg 57 04.20 -2.6
 iSg 57 16.00
 VLO 0.71 220 ePg 57 07.50 0.2
 TPE 0.73 185 iPg 57 06.50 -1.1
 LSK 0.95 156 ePn 57 09.70 -1.8
 FNA 1.00 103 ePg 57 12.57 0.2
 eSg 57 27.04
 SDA 1.12 337 iPnd 57 13.20 -1.1
 ULC 1.13 326 iPg 57 14.62 0.0
 iSg 57 29.09
 BCI 1.35 359 ePn 57 18.30 0.2
 iSn 57 36.30
 SKO 1.39 46 iPg 57 17.50 -1.3
 0.6s 170.00nm
 IGT 1.50 173 ePb 57 23.78 3.5X
 eSb 57 45.52
 TTG 1.54 337 iPg 57 21.89 1.1
 iSg 57 42.19
 PVY 1.58 357 iPg 57 20.15 -1.3
 iSg 57 43.33
 BDV 1.58 324 iPg 57 21.69 0.3
 iSg 57 43.56
 GRG 1.75 91 ePb 57 25.68 1.7
 eSb 57 48.48
 IVA 1.86 356 iPnc 57 26.81 1.3
 iSn 57 51.43
 HCY 1.86 321 iPnc 57 27.40 1.9
 iSn 57 52.42
 NKY 1.97 336 iPnc 57 28.04 0.9
 iSn 57 55.37
 LIT 2.05 116 ePb 57 30.28 2.1
 eSb 57 57.32
 KNT 2.13 85 ePn 57 34.60 5.2X
 BRY 2.20 329 iPnd 57 31.74 1.1
 iSn 58 00.30
 PLE 2.37 348 iPnc 57 34.50 1.6
 iSn 58 04.56
 SOH 2.48 94 ePn 57 37.72 3.2X
 eSn 58 09.12
 PAIG 2.95 111 ePn 57 42.08 1.0
 S.D. = 1.5 on 22 of 25 obs.
 * SEP 15, 1993 12h 16m 02.44± 0.89s
 42.605 N ± 9.8km 24.121 E ± 13.2km
 DEPTH = 10.0km (geophysicist)
 BULGARIA (359)
 ML 3.1 (THE).
 SRS 1.54 195 ePb 16 28.55 -1.4
 eSb 16 50.06
 KNT 1.71 213 ePb 16 32.34 -0.1
 iSb 16 54.86
 SOH 1.87 198 ePb 16 33.30 -1.5
 eSb 17 00.14
 SKO 2.09 253 ePn 16 39.00 1.1
 GRG 2.09 219 ePn 16 38.86 0.9
 ALN 2.23 139 iPn 16 41.73 1.7
 eSn 17 13.14
 MLR 3.17 24 eP 16 54.50 1.1
 VRI 3.76 29 eP 17 00.00 -1.8
 S.D. = 1.6 on 8 of 8 obs.
 % SEP 15, 1993 12h 18m 43.84± 0.87s
 39.144 N ± 7.0km 27.611 E ± 8.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).
 IZM 0.79 200 ePg 18 59.00 -0.3
 eSg 19 11.00
 DST 0.91 59 ePn 19 02.00 0.7
 EZN 1.21 305 ePn 19 07.00 0.7

BNT 1.23 11 ePn 19 06.00 -0.8
 KCT 1.24 27 ePn 19 07.00 0.0
 KGT 1.33 350 iPn 19 08.00 -0.3
 S.D. = 0.8 on 6 of 6 obs.
 & SEP 15, 1993 12h 22m 28.08s
 39.317 N 122.779 W
 DEPTH = 14.4km
 NORTHERN CALIFORNIA (36)
 <GM-P>. MD 3.0 (GM).
 GTSM 0.14 92 P 22 31.57 -0.4
 GHVM 0.23 171 P 22 33.22 -0.3
 GHLM 0.33 214 P 22 35.11 -0.1
 GMMK 0.35 181 P 22 35.58 0.1
 GRIM 0.39 167 P 22 36.00 -0.2
 GBDM 0.43 287 P 22 36.81 -0.1
 GPMM 0.49 196 P 22 38.25 0.3
 GBGM 0.51 171 P 22 39.09 0.8
 GDXM 0.51 181 P 22 39.27 1.0
 GARM 0.55 131 P 22 40.75 1.9
 NMTM 0.57 153 P 22 39.95 0.6
 KSPM 0.59 290 P 22 40.18 0.4
 GAXM 0.61 178 P 22 40.65 0.8
 GHOM 0.65 246 P 22 41.56 0.9
 KIPM 0.73 312 P 22 42.61 0.5
 GHCM 0.78 205 P 22 44.52 1.6
 NTYM 0.93 174 eP 22 44.97 -0.4
 LBPM 1.00 356 P 22 47.82 1.1
 ORV 1.02 76 eP 22 45.13 -1.8
 AVRM 1.21 103 P 22 48.84 -1.3
 WDC 1.27 8 P 22 50.75 -0.5
 HMR 1.39 146 (P) 22 53.26 0.4
 KMFM 1.51 317 eP 22 53.98 -0.7
 LRDM 1.53 41 P 22 55.22 0.2
 LGPM 1.59 359 eP 22 56.78 0.8
 ASMM 1.70 106 P 22 58.29 0.7
 FHC 1.75 328 (Pn) 22 59.82 1.7
 LBPM 2.14 18 eP 23 05.63 1.7
 ARN 2.20 153 (P) 23 04.12 -0.5
 CMB 2.27 124 eP 23 05.33 -0.4
 MEMM 3.43 117 (P) 23 23.33 1.2
 BONR 3.76 110 (P) 23 28.82 1.7
 32 obs. associated
 ? SEP 15, 1993 12h 33m 51.57± 1.02s
 50.249 N ± 14.9km 18.964 E ± 7.1km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)
 ML 2.7 (WAR).
 OJC 0.54 93 iPg 34 02.30 -0.1
 iSg 34 10.30
 SPC 1.35 141 ePn 34 16.70 0.2
 i(Sn) 34 37.30
 VRAC 1.80 239 iPnc 34 22.60 -0.2
 0.5s 20.40nm
 iSg 34 45.90
 KSP 1.80 290 iPg 34 23.10 0.2
 0.7s 38.00nm
 eSn 34 43.40
 iSg 34 46.60
 GEC2 3.70 250 Pg 34 57.30 7.2X
 Sg 35 45.30
 S.D. = 0.4 on 4 of 5 obs.
 % SEP 15, 1993 12h 59m 28.07± 0.77s
 39.665 N ± 6.7km 29.461 E ± 6.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).
 DST 0.65 265 ePg 59 40.60 -0.4
 eSg 59 51.60
 ALT 0.79 140 ePg 59 43.70 0.2
 eSg 59 54.70
 KCT 1.03 305 ePn 59 48.00 0.5
 EYL 1.05 30 ePn 59 47.50 -0.4
 HRT 1.17 8 ePn 59 50.00 0.1
 ISK 1.43 348 ePn 59 54.10 0.1
 S.D. = 0.5 on 6 of 6 obs.
 ? SEP 15, 1993 13h 09m 56.19± 4.03s
 7.422 S ± 26.3km 129.215 E ± 47.5km
 DEPTH = 173.2 ± 36.9 km
 BANDA SEA (280)

15d 13h

SLKI 2.14 105 iPc 10 34.20 -0.5
 TLE 3.93 63 ePd 10 57.10 0.3
 MTN 5.71 161 eP 11 21.00 0.9
 0.2s 56.00nm 5.4mb
 eS 12 23.00
 KNA 8.29 183 eP 11 54.00 -0.3
 eS 13 21.00
 WB2 13.41 159 iPd 13 00.50 -0.4
 eS 15 20.80
 ASPA 16.77 165 eP 13 46.10 3.6X
 eS 16 42.80
 S.D. = 1.2 on 5 of 6 obs.

? SEP 15, 1993 13h 22m 13.77± 6.50s
 58.176 N ±50.9km 6.347 E ±18.9km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN NORWAY (535)
 MD 2.3 (BER).

KMY 1.19 332 eP 22 35.94 0.1
 eSg 22 53.01
 BLS5 1.25 3 eP 22 36.73 -0.3
 eS 22 51.77
 ODD1 1.75 5 eP 22 45.26 0.9
 eSg 23 06.29
 ASK 2.39 346 eP 22 53.08 -0.4
 eS 23 23.00
 NRAO 3.69 44 Pn 23 11.86 -0.2
 Pg 23 20.66
 Sn 23 53.31
 Lg 24 05.61
 S.D. = 0.8 on 5 of 5 obs.

% SEP 15, 1993 14h 04m 21.47± 0.72s
 26.834 S ± 6.4km 26.708 E ± 7.6km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.4 (PRE).

BFS 0.09 133 iPd 04 23.30 -0.4
 S 04 24.00
 KSR 0.98 10 eP 04 40.00 -0.7
 S 04 53.00
 SWZ 1.28 254 iPc 04 46.00 0.2
 S 05 03.10
 SEK 1.69 151 iPc 04 52.00 0.0
 S 05 13.00
 SLR 1.79 53 eP 04 54.20 0.9
 S 05 16.00
 BLF 2.31 191 eP 05 00.90 -0.1
 S.D. = 0.7 on 6 of 6 obs.

? SEP 15, 1993 14h 06m 09.51± 8.15s
 40.951 N ±31.5km 24.310 E ±58.7km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)

SRS 0.57 287 eP 06 20.22 -0.8
 OUR 0.66 202 eP 06 22.38 -0.3
 eS 06 34.38
 SOH 0.74 260 eP 06 23.70 -0.3
 KNT 1.09 282 eP 06 30.58 0.6
 S.D. = 1.0 on 4 of 4 obs.

% SEP 15, 1993 14h 58m 56.26± 1.15s
 34.186 S ±13.8km 70.855 W ±11.4km
 DEPTH = 90.0km (geophysicist)
 CHILE-ARGENTINA BORDER REGION (127)
 MD 3.5 (SAN).

CACH 0.22 72 iP+ 59 09.87 0.1
 iS 59 19.89
 LNV 0.52 296 iPd 59 11.31 0.0
 iS 59 21.69
 TACH 0.54 353 iPd 59 11.39 -0.1
 iS 59 22.50
 PCH 0.63 27 iP+ 59 12.27 -0.2
 iS 59 24.19
 LCCH 0.93 320 iPd 59 15.42 0.0
 FCH 0.98 29 iP+ 59 16.30 0.0
 iS 59 31.22
 PEL 1.05 8 iP+ 59 17.20 0.3
 iS 59 32.55
 ROCH 1.22 354 eP 59 18.90 -0.2
 iS 59 35.85
 JACH 1.52 8 iP 59 22.84 0.1
 iS 59 42.61

S.D. = 0.2 on 9 of 9 obs.

? SEP 15, 1993 15h 02m 48.41± 1.00s
 39.127 N ± 7.5km 27.456 E ±14.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).

IZM 0.74 192 ePg 03 03.00 0.0
 eSg 03 16.00
 DST 1.03 62 ePn 03 07.90 0.0
 BNT 1.28 16 ePn 03 12.00 -0.1
 KGT 1.33 355 iPn 03 13.00 0.1
 S.D. = 0.2 on 4 of 4 obs.

* SEP 15, 1993 15h 08m 13.48± 0.20s
 33.322 N ± 4.8km 75.740 E ± 2.7km
 DEPTH = 33.0km (normal)
 5.0mb (55 obs.)
 EASTERN KASHMIR (302)

KSH 6.12 2 P 09 47.50 3.3X
 0.6s 390.00nm 6.3mb X
 pP 09 55.00
 S 10 57.00
 FRU 9.54 355 iPc 10 32.00 0.4
 eS 12 20.00
 DMN 9.88 123 P 10 34.80 -1.8
 KKN 9.90 121 P 10 34.40 -2.3
 GUN 10.26 119 P 10 39.80 -2.1
 LSA 13.63 101 P 11 27.00 -0.3
 0.7s 15.00nm 5.0mb
 Z 11s 1.27um 3.5MsZ
 WMQ 14.03 38 iPd 11 29.40 -2.7
 0.6s 32.00nm 5.2mb
 Z 10s 0.68um 4.1MsZ

PP 11 39.70
 S 14 02.00
 SS 14 17.10
 PcP 16 57.00
 PcS 20 30.60
 ASH 14.87 293 eP 11 39.50 -3.5X
 SHL 16.03 115 eP 11 54.50 -3.8X
 iS 14 46.50
 HYB 16.04 170 eP 11 52.80 -5.5X
 e 12 05.60
 eS 14 43.00
 GBA 19.69 175 P 12 41.00 -1.9
 0.8s 7.00nm 4.0mb X
 GTA 20.29 66 Pc 12 48.50 -0.7
 1.0s 45.00nm 4.8mb
 Z 14s 0.58um 4.1MsZ
 N 10s 0.53um

KOD 23.03 176 eP 13 19.30 2.2
 eS 17 34.00
 LZH 23.24 75 eP 13 19.50 0.7
 2.0s 50.00nm 4.7mb
 Z 15s 0.44um 4.0MsZ

PP 13 27.00 27kmX
 sP 13 33.00
 KER 23.78 280 ePc 13 25.50 1.4
 CD2 23.83 88 P 13 26.60 2.2
 1.4s 110.00nm 5.2mb
 TAB 24.30 290 eP 13 32.00 2.9
 KMI 24.89 102 Pd 13 35.60 0.6
 1.2s 160.00nm 5.5mb
 pP 13 47.00 44kmX
 sP 13 52.00
 CHTO 25.28 119 eP 13 39.50 1.0
 0.8s 36.60nm 5.0mb
 GRO 25.49 302 eP 13 42.00 1.8
 1.5s 240.00nm 5.6mb
 Z 14s 2.00um 4.8MsZ
 E 13s 1.00um

ERE 25.86 294 eP 13 45.00 1.2
 ARU 25.93 338 iPc 13 45.00 0.8
 1.0s 150.00nm 5.5mb
 Z 12s 1.00um 4.6MsZ
 N 12s 1.00um

BDT 26.34 122 eP 13 49.50 1.2
 0.8s 98.60nm 5.5mb
 ZAK 26.45 42 iPc 13 49.00 0.0
 1.0s 13.00nm 4.5mb
 Z 16s 0.59um 4.2MsZ
 N 14s 0.38um
 E 14s 0.48um
 eS 18 25.00

PYA 27.50 302 ePc 13 58.00 -0.7
 Z 16s 1.00um 4.5MsZ
 i 14 46.00

XAN 27.56 79 P 14 00.60 1.2
 1.0s 9.00nm 4.4mb
 pP 14 04.50 14kmX

GYA 27.60 96 P 14 01.00 1.1
 1.0s 24.00nm 4.8mb

BTO 28.21 65 eP 14 06.00 0.7
 N 10s 0.16um
 E 10s 0.22um

HHC 29.40 65 eP 14 21.00 5.0X
 TIY 30.06 71 eP 14 21.70 -0.2

Z 10s 0.63um 4.6MsZ
 BJI 32.90 66 eP 14 47.00 0.4
 CIT 33.02 44 eP 14 48.00 0.3
 MOS 34.57 322 eP 15 00.00 -0.8
 e 16 17.00

OBN 34.85 321 iPc 15 03.00 -0.3
 0.9s 65.00nm 5.6mb
 Z 24s 0.60um 4.3MsZ

NRI 36.79 7 iPc 15 20.00 0.5
 1.0s 23.00nm 5.0mb
 e 15 35.00
 e 16 42.00
 e 17 06.00
 e 17 42.00

ELL 37.41 289 iP 15 26.00 0.7
 MNK 39.54 316 eP 15 42.00 -0.7
 CN2 39.72 60 eP 15 44.90 0.5
 1.0s 10.00nm 4.5mb
 epP 15 51.60 23kmX

MLR 39.75 303 ePc 15 46.00 1.2
 KAF 42.39 328 iP 16 06.50 0.5
 MDJ 42.66 58 eP 16 09.80 1.3
 1.0s 19.00nm 4.8mb
 NUR 42.66 325 iP 16 08.60 0.3
 0.4s 16.00nm 5.1mb

SPC 43.63 308 iPc 16 17.30 0.7
 1.1s 41.80nm 5.1mb

SDF 44.36 335 iP 16 22.20 0.2
 YAK 44.41 33 iPd 16 21.50 -0.9
 0.8s 57.00nm 5.5mb

KUMJ 45.78 75 eP 16 34.20 0.5
 UPP 45.95 323 iP 16 34.30 -0.4
 VRAC 46.02 309 iPc 16 36.10 0.7
 1.1s 40.70nm 5.3mb

KSP 46.16 311 eP 16 36.30 -0.2
 e 18 16.00

KAGJ 46.23 77 eP 16 36.90 -0.4
 YONJ 47.16 71 P 16 43.90 -0.8
 VBY 47.25 304 eP 16 45.20 0.0
 i 17 48.50
 iPcP 18 16.50

PRU 47.31 310 iPc 16 45.90 0.2
 1.0s 17.00nm 5.0mb
 i 16 48.30
 eS 23 01.00

BRG 47.64 311 iPc 16 48.50 0.3
 1.0s 18.00nm 5.0mb

GEC2 47.95 308 P 16 50.40 -0.4
 0.8s 3.02nm 4.4mb
 e 16 53.10
 e 18 45.50

HFS 47.95 323 eP 16 49.90 -0.6
 0.8s 48.70nm 5.6mb
 Z 16s 0.13um 4.0MsZ

LR 34 37.00

TKSJ 47.96 72 P 16 51.30 0.4
 KHC 48.00 309 Pc 16 51.00 -0.2
 1.0s 7.00nm 4.6mb
 e 17 22.50
 e 18 28.00

CLL 48.21 312 iP 16 52.40 -0.3
 1.1s 10.00nm 4.8mb

TSRJ 49.06 70 P 16 59.90 0.5
 WKYJ 49.12 71 P 16 48.60 -11.3X
 MOX 49.14 311 eP 16 59.50 -0.3
 1.1s 14.00nm 4.9mb
 Z 19s 0.40um 4.4MsZ

NB2 49.24 325 P 16 59.70 -0.8
 0.9s 22.40nm 5.2mb

GRF 49.48 310 ePc 17 03.20 0.7
 1.0s 19.00nm 5.1mb
 Z 20s 0.10um 3.8MsZ

MTMJ 50.19 68 P 17 08.20 0.0

15d 15h

MAT 50.52 68 eP 17 10.00 -0.6
1.0s 15.00nm 4.9mb
IIDJ 50.58 69 eP 17 11.00 -0.1
OSS 50.60 306 P 17 10.52 -0.8
NIIJ 50.94 67 P 17 13.00 -0.7
MRRJ 51.23 60 eP 17 16.00 0.2
CHJJ 51.27 68 P 17 15.70 -0.5
YSS 51.48 54 eP 17 18.20 0.5
1.0s 20.00nm 5.0mb
YAMJ 51.48 65 eP 17 17.60 -0.3
TMA 51.57 305 P 17 17.59 -1.0
KAKJ 52.14 68 P 17 21.90 -0.9
MMK 52.20 305 P 17 23.22 -0.3
PGF 52.22 301 eP 17 22.30 -1.2
OFUJ 52.48 64 eP 17 25.00 -0.3
DIX 52.57 305 P 17 25.88 -0.4
BSF 52.65 308 eP 17 25.80 -0.9
0.6s 16.25nm 5.2mb
HOOJ 52.83 59 eP 17 28.30 0.4
HAU 52.91 308 eP 17 27.80 -0.7
0.7s 14.75nm 5.1mb
SBF 53.03 303 eP 17 28.80 -0.7
1.0s 41.20nm 5.3mb
LPG 53.14 305 eP 17 30.20 -0.4
0.7s 20.30nm 5.2mb
LPL 53.15 305 eP 17 30.20 -0.3
0.8s 34.65nm 5.4mb
FRF 53.65 303 eP 17 32.90 -1.0
0.9s 14.40nm 5.0mb
DOU 53.66 311 P 17 33.60 -0.3
LBF 54.70 307 eP 17 40.30 -1.3
1.0s 9.40nm 4.8mb
LOR 54.71 308 eP 17 41.60 -0.1
SMF 54.86 307 eP 17 41.90 -0.9
0.9s 20.00nm 5.1mb
SSF 54.99 307 eP 17 42.70 -1.0
0.8s 12.75nm 5.0mb
AVF 55.16 307 eP 17 44.00 -0.9
1.0s 19.40nm 5.1mb
MAF 55.82 307 eP 17 49.30 -0.4
0.7s 12.35nm 5.0mb
TCF 56.04 307 eP 17 50.90 -0.5
1.0s 29.40nm 5.3mb
CAF 56.50 305 eP 17 54.40 -0.2
0.6s 7.50nm 4.9mb
LSF 56.51 307 eP 17 53.60 -1.1
RJF 56.77 306 eP 17 56.20 -0.3
LDF 57.00 310 eP 17 58.20 0.1
LPO 57.16 305 eP 17 58.80 -0.5
FLN 57.19 310 eP 17 59.30 -0.1
LFF 57.40 305 eP 18 00.40 -0.5
EPF 58.23 303 eP 18 06.20 -0.7
DAG 58.88 344 eP 18 11.80 0.9
0.7s 6.85nm 4.9mb
BCAO 60.39 255 iPc 18 21.00 -1.1
0.5s 20.00nm 5.5mb
EHUE 62.10 299 eP 18 34.18 0.7
ENIJ 62.13 298 eP 18 33.88 0.2
PAB 62.73 301 iPc 18 38.20 0.6
EBAN 62.84 299 eP 18 38.83 0.5
EPLA 63.77 302 eP 18 46.61 2.2
EHOR 64.04 300 eP 18 45.90 -0.3
EJIF 64.75 298 eP 18 50.77 0.0
LSZ 66.28 231 iP 19 01.80 0.8
INK 76.35 11 ePd 20 01.80 1.3
1.0s 12.00nm 4.9mb
FBA 76.37 18 eP 20 01.05 0.3
1.3s 13.32nm 4.8mb
KIC 78.59 270 P 20 13.90 0.0
1.0s 30.50nm 5.3mb
TIC 78.67 271 P 20 14.24 -0.1
0.7s 12.00nm 5.0mb
LIC 78.91 270 P 20 15.50 -0.1
0.9s 21.50nm 5.1mb
SLKM 79.22 21 ePc 20 16.23 -0.3
KDC 80.65 24 ePc 20 24.97 0.9
0.8s 8.26nm 4.8mb
BALM 80.98 18 ePc 20 26.95 1.0
YKA 84.16 5 eP 20 42.60 0.4
0.6s 16.00nm 5.4mb
CTA 85.65 117 P 20 52.20 1.9
STK 89.77 129 iPd 21 10.80 0.9
2.0s 3.30nm 4.3mb
LPAZ 143.31 289 PKP 28 02.60 15.2X
LPB 143.42 288 ePKP 27 46.00 -1.3
CNCB 143.48 288 PKP 27 44.00 -3.6X
ARE 146.05 292 ePKP 27 55.00 3.4X

S.D. = 0.9 on 118 of 127 obs.
* SEP 15, 1993 15h 29m 42.99± 0.57s
23.154 S ± 6.3km 68.493 W ± 9.6km
DEPTH = 101.0km (2 depth phases)
4.5mb (2 obs.)
NORTHERN CHILE (123)
ANT 1.85 252 iP+ 30 13.40 -0.7
iS 30 37.60
HJA 2.84 92 iPc 30 24.90 -2.5
S 30 41.80
YJA 2.93 71 iPc 30 35.50 6.5X
SLA 3.16 120 iPd 30 39.00 7.1X
CYA 5.80 156 eP 31 11.00 2.9X
CCH 6.15 22 P 31 16.40 3.1X
CNCB 6.33 4 P 31 17.20 1.3
LPB 6.60 3 P 31 16.50 -3.0
LPAZ 6.84 3 P 31 23.20 0.2
ARE 7.23 337 eP 31 36.00 8.0X
RTLL 8.14 180 ePc 31 39.70 -0.5
RTCB 8.30 182 ePc 31 42.00 -0.5
CFA 8.42 179 ePc 31 43.50 -0.5
TCA 8.86 158 iP 31 50.50 0.5
MRA 9.55 166 ePd 31 59.90 0.7
SIV 9.98 46 P 32 03.30 -1.9
PEL 10.14 191 eP 32 14.50 7.3X
RFA 11.58 180 ePd 32 23.60 -2.7
PPD 15.91 89 eP 33 28.10 5.7X
RSTA 17.86 99 eP 33 49.30 2.9X
VAO 19.81 94 eP 34 09.90 1.9
i 34 10.40 2kmX
CACB 20.17 90 eP 34 13.20 1.4
i 34 13.70 2kmX
VAO2 20.18 95 eP 34 12.30 0.4
e 34 13.70 5kmX
BAO 20.72 73 eP 34 18.20 0.8
i 34 24.50 23kmX
SPA 66.99 180 iPd 40 29.00 2.1
0.7s 9.77nm 4.8mb
ALQ 68.09 327 eP 40 34.50 0.4
1.0s 3.63nm 4.2mb
pP 40 59.80 99km
MSU 73.75 326 eP 41 08.61 0.5
pP 41 35.04 103km
LBFM 81.03 322 eP 41 48.91 0.7
pP 42 15.12 100kmX
WB2 131.71 209 iPKPc 48 47.80 1.4
0.7s 2.60nm
GBA 146.37 100 PKP 49 17.00 4.1X
S.D. = 1.6 on 21 of 30 obs.
* SEP 15, 1993 15h 31m 25.13± 0.84s
66.963 N ± 7.9km 20.976 E ± 12.1km
DEPTH = 10.0km (geophysicist)
SWEDEN (536)
MD 3.2 (BER).
KTK1 2.23 21 eP 32 02.12 -0.5
eSg 32 33.01
TRO 2.79 345 eP 32 10.97 0.4
LOF 3.09 296 eP 32 14.50 -0.2
ARAO 3.09 31 Pn 32 15.00 0.3
Lg 33 00.30
NRAO 7.50 218 Pn 33 17.13 0.0
HFS 7.58 209 eP 33 18.30 0.1
0.2s 1.70nm 4.9mb
S.D. = 0.4 on 6 of 6 obs.
* SEP 15, 1993 15h 39m 50.65± 0.87s
14.164 N ± 13.4km 92.805 W ± 11.0km
DEPTH = 27.2km (2 depth phases)
4.6mb (8 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
TPX 0.91 36 iPd 40 10.30 2.8
iS 40 22.50
SCX 2.56 4 iPc 40 36.30 5.1X
iS 41 03.70
IIA 7.49 312 iP 41 42.30 1.5
UYO 19.97 356 iPd 44 21.80 -2.0
MIAR 20.30 358 eP 44 25.92 -1.3
1.0s 38.95nm 4.7mb
pP 44 33.85 30km
SDV 22.34 101 eP 44 48.00 -0.2
JSC 22.59 26 eP 44 48.37 -1.9
GBTN 22.76 18 (P) 44 52.17 0.2

TOV 22.92 98 eP 44 54.90 1.1
LHS 22.95 26 ePc 44 53.47 -0.4
ACO 23.15 347 iPd 44 56.40 0.6
ALQ 24.08 332 eP 45 04.92 -0.1
0.9s 4.30nm 4.0mb
TUC 24.41 321 (P) 45 09.92 1.7
GOL 27.73 339 eP 45 38.63 -0.6
0.9s 9.37nm 4.5mb
pP 45 45.72 25km
PV08 28.06 333 (P) 45 43.00 0.7
ARUT 29.82 326 eP 45 58.34 0.4
MCMT 34.99 335 ePc 46 43.90 0.9
ULM 36.07 357 eP 46 52.00 0.2
YKA 50.69 347 eP 48 48.20 -1.4
0.8s 10.40nm 4.9mb
SOB1 56.49 111 eP 49 33.70 0.6
INK 60.06 344 ePd 49 56.40 -0.9
1.0s 6.00nm 4.7mb
EKA 78.29 36 Pc 51 47.80 -1.9
0.6s 4.60nm 4.7mb
NB2 84.37 28 P 52 22.80 1.2
0.9s 6.30nm 4.8mb
GEC2 89.97 39 P 52 49.60 0.5
0.8s 0.57nm 3.9mb
CHTO 145.25 340 ePKP 59 26.10 -2.2
BDT 146.69 339 ePKP 59 30.00 -0.7
HYB 147.48 15 ePKP 59 33.50 1.4
GBA 150.77 20 PKPd 59 42.50 5.4X
0.7s 3.50nm
S.D. = 1.4 on 26 of 28 obs.
SEP 15, 1993 15h 54m 24.69± 0.57s
42.829 N ± 6.0km 2.044 E ± 4.4km
DEPTH = 10.0km (geophysicist)
PYRENEES (378)
ML 2.8 (LDG).
LSPF 0.16 319 Pg 54 28.61 0.3
TRGS 0.33 190 Pg 54 31.83 0.2
Sg 54 36.68
VDCF 0.34 135 Pg 54 31.70 0.0
Sg 54 36.25
MTHF 0.38 73 Pg 54 32.28 -0.2
LESF 0.59 290 Pg 54 36.91 0.2
SALF 0.63 264 Pg 54 37.08 -0.4
MLS 0.71 281 Pg 54 39.00 0.3
Sg 54 48.50
EPF 1.27 280 Pn 54 47.80 -0.5
Pg 54 49.80
Sg 55 05.50
LPO 1.95 342 Pg 55 03.00 4.8X
Sg 55 28.20
CAF 2.10 0 Pg 55 06.30 6.0X
Sg 55 30.80
LFF 2.31 336 Pg 55 09.00 5.6X
Sg 55 37.80
S.D. = 0.4 on 8 of 11 obs.
? SEP 15, 1993 16h 29m 51.79± 3.48s
14.019 N ± 36.0km 92.910 W ± 12.0km
DEPTH = 33.0km (normal)
3.8mb (2 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
TPX 1.08 35 iP 30 10.50 -0.2
(S) 30 18.50
SCX 2.71 6 iP 30 34.00 0.0
iS 31 06.30
OXX 4.77 310 iP 31 05.00 1.5
PPM 7.43 313 iP 31 40.00 -1.2
IIA 7.51 314 iP 31 41.30 -0.5
LTX 18.21 329 (P) 34 03.69 -0.1
UYO 20.11 356 iPd 34 18.40 -7.3X
MIAR 20.45 358 (P) 34 29.69 0.5
0.9s 8.71nm 4.1mb
ALQ 24.16 332 (P) 35 06.98 0.8
0.7s 1.27nm 3.6mb
ARUT 29.89 326 (P) 35 58.53 -0.4
e 36 06.24
MCMT 35.08 335 eP 36 43.70 -0.4
S.D. = 0.9 on 10 of 11 obs.
SEP 15, 1993 16h 49m 49.21± 0.66s
38.341 N ± 5.6km 28.106 E ± 6.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

IZM	0.67	275	ePg	50	02.00	-0.5	PDB	0.69	234	iP	41	10.52	-1.1	<AEIC>. ML 3.0 (AEIC), 2.8 (PMR).						
CIN	0.74	181	ePg	50	04.00	0.3				eS	41	26.00								
			iSg	50	16.00		AUL	0.84	192	eP	41	12.05	-0.8	SUA	0.34	66	ePc	56	23.64	-0.1
DST	1.33	18	iPn	50	13.70	0.0	AUW	0.85	193	eP	41	12.17	-0.8				eS	56	33.12	
ALT	1.72	65	ePn	50	19.00	-0.5	AUE	0.85	189	eP	41	12.15	-0.8	SPU	0.35	246	eP	56	23.35	-0.4
EDC	2.01	355	ePn	50	24.00	0.4	AUP	0.86	191	eP	41	12.33	-0.7				eS	56	32.71	
BNT	2.02	356	ePn	50	24.00	0.3	AUH	0.86	192	eP	41	12.48	-0.6	CRP	0.37	261	iPc	56	23.00	-1.1
EZN	2.03	317	ePn	50	24.00	0.2	AGU	0.86	191	eP	41	12.50	-0.6	NCG	0.38	282	ePc	56	23.43	-0.6
KGT	2.20	344	ePn	50	26.00	-0.3	AUI	0.88	191	eP	41	12.02	-1.2				eS	56	32.50	
S.D. = 0.4 on 8 of 8 obs.										eS	41	28.42		CKN	0.40	255	eP	56	23.92	-0.2
-----							HOM	0.91	126	eP	41	12.73	-0.7	CKT	0.41	253	ePc	56	23.83	-0.5
% SEP 15, 1993 16h 54m 37.53± 0.63s										eS	41	30.13		CP2	0.42	262	ePc	56	23.66	-0.8
40.586 N ± 5.6km 23.577 E ± 6.5km							BKG	0.97	25	iP	41	13.23	-0.9	CKL	0.48	254	eP	56	24.38	-0.6
DEPTH = 10.0km (geophysicist)										eS	41	30.84		BGL	0.49	263	eP	56	24.24	-0.8
GREECE (364)							XLV	1.02	136	eP	41	13.93	-0.6	BKG	0.50	239	iPd	56	24.50	-0.6
ML 2.3 (THE).										eS	41	30.30					eS	56	35.01	
SOH	0.29	324	ePg	54	44.01	0.4	CKL	1.07	20	eP	41	14.44	-0.7	NKA	0.59	173	ePd	56	27.21	1.3
			eSg	54	48.14		NKA	1.07	59	eP	41	15.55	0.6	SKT	0.66	354	eP	56	25.90	-0.8
OUR	0.40	129	iPg	54	45.94	0.3	CKT	1.10	23	eP	41	14.59	-0.8				eS	56	37.35	
			eSg	54	52.24		SPU	1.11	27	eP	41	14.57	-0.9	PWA	0.79	65	iPc	56	28.00	-0.3
THE	0.47	276	iPg	54	46.98	-0.1				eS	41	33.73		PMS	0.89	95	iPc	56	29.10	-0.4
			eSg	54	53.56		BGL	1.12	18	eP	41	15.09	-0.6	RDT	0.90	214	ePd	56	28.89	-0.9
SRS	0.53	1	iPg	54	47.94	-0.3	CP2	1.15	21	eP	41	15.38	-0.7				eS	56	42.65	
			eSg	54	56.44		CNPM	1.16	125	iP	41	14.83	-1.1	DFR	0.97	221	ePd	56	29.82	-0.8
PAIG	0.66	173	iPg	54	50.46	-0.3				eS	41	33.20		SLKM	1.00	145	ePc	56	29.98	-1.0
			eSg	54	59.40		CRP	1.17	23	eP	41	15.63	-0.6				eS	56	45.26	
KNT	0.77	318	iPg	54	52.50	-0.1	BRLK	1.20	110	eP	41	15.57	-0.7	REF	1.06	218	eP	56	31.32	-0.5
			iSg	55	02.89					eS	41	33.26					eS	56	46.30	
GRG	0.97	293	ePg	54	56.04	0.1	CGLM	1.24	25	eP	41	15.43	-1.4	NCT	1.07	225	ePd	56	31.15	-0.8
			eSg	55	09.92		NCG	1.29	21	eP	41	16.72	-0.7	RDW	1.10	220	eP	56	31.54	-0.8
S.D. = 0.3 on 7 of 7 obs.							CDD	1.30	193	iP	41	15.82	-1.6	PLRM	1.12	75	ePc	56	31.35	-1.0
-----										eS	41	35.88		PMR	1.12	75	iPc	56	30.95	-1.4
? SEP 15, 1993 17h 19m 26.83± 1.20s							SLKM	1.46	77	eP	41	17.79	-1.5	RED	1.13	217	eP	56	31.98	-0.8
31.732 S ±10.9km 69.130 W ±23.0km							SVW	1.54	307	P	41	18.80	-1.4				eS	56	48.18	
DEPTH = 100.0km (geophysicist)										S	41	40.80		CUT	1.20	26	ePd	56	32.74	-0.8
SAN JUAN PROVINCE, ARGENTINA (137)							SYI	1.63	167	eP	41	19.23	-2.0	PTE	1.24	111	eP	56	32.86	-1.1
ZON	0.43	64	eP	19	42.70	0.3				eS	41	41.81		GHO	1.26	68	ePc	56	33.38	-1.0
			eS	19	54.70		SUA	1.72	41	eP	41	21.13	-1.2				eS	56	50.57	
CFA	0.77	81	ePc	19	45.00	-0.2	SEW	1.83	91	eP	41	21.92	-1.6	MPA	1.30	129	eP	56	33.94	-0.9
			S	19	58.50		MPA	1.88	79	eP	41	22.86	-1.3				eS	56	51.24	
RTRS	1.58	350	eP	19	54.40	-0.1	SKT	1.94	22	eP	41	23.71	-1.3	ILIM	1.47	212	ePd	56	36.10	-1.1
			S	20	15.00		PMS	2.03	57	P	41	25.20	-0.9				eS	56	55.05	
RFA	3.08	170	iPc	20	14.50	0.0	PTE	2.12	70	P	41	25.80	-1.4	INE	1.51	214	eP	56	36.62	-1.3
S.D. = 0.4 on 4 of 4 obs.							PWA	2.14	46	P	41	26.80	-0.6	SML	1.54	70	eP	56	36.60	-1.5
-----							PWL	2.45	72	eP	41	29.63	-1.7	SEW	1.55	141	eP	56	37.44	-0.8
? SEP 15, 1993 17h 35m 17.55± 1.60s							KDC	2.48	172	P	41	28.60	-3.1				eS	56	56.05	
29.877 S ±22.2km 177.439 W ±28.3km							GHO	2.58	50	eP	41	30.99	-2.1	PWL	1.56	106	eP	56	36.56	-1.8
DEPTH = 33.0km (normal)							CUT	2.60	30	eP	41	31.88	-1.4	BRLK	1.59	171	eP	56	39.11	0.3
4.1mb (2 obs.)							LTI	2.63	91	eP	41	31.68	-2.0				eS	56	58.20	
KERMADEC ISLANDS, NEW ZEALAND (178)							MTU	2.74	92	eP	41	33.27	-1.8	HOM	1.68	184	eP	56	39.89	-0.1
RAO	0.75	326	iPc	35	32.10	0.4	SML	2.83	53	eP	41	33.37	-3.0	CFI	1.76	93	eP	56	39.06	-2.0
			eS	35	46.00		TTA	3.07	334	P	41	37.90	-1.7	CNPM	1.81	178	eP	56	40.69	-1.1
ASPA	43.63	266	eP	43	20.50	-0.3	FID	3.32	78	eP	41	40.39	-2.5				eS	57	05.34	
WB2	44.55	271	iPc	43	28.00	-0.3	TRF	3.53	21	eP	41	43.80	-1.9	HUR	1.85	26	eP	56	42.13	-0.2
	0.9s	4.40nm		4.3mb			TOA	3.86	57	eP	41	49.80	-0.4				eS	57	05.00	
WRA	44.56	271	P	43	28.40	0.0	53 obs. associated							OPT	1.91	209	eP	56	42.57	-0.7
	0.8s	1.40nm		3.9mb			-----										eS	57	05.94	
NB2	148.31	352	PKP	54	56.00	-1.8	% SEP 15, 1993 18h 01m 18.42± 1.35s							SCM	2.01	74	eP	56	42.72	-1.9
	0.9s	1.90nm					33.139 S ± 5.3km 70.273 W ±10.7km							SVW	2.06	266	iPc	56	43.04	-2.3
BCAO	150.53	214	ePKPc	55	04.50	1.9	DEPTH = 10.0km (geophysicist)										eS	57	07.92	
	0.7s	6.00nm					CHILE-ARGENTINA BORDER REGION (127)							PDB	2.07	223	eP	56	43.73	-1.7
S.D. = 1.6 on 6 of 6 obs.							MD 3.7 (SAN).							LTI	2.17	125	ePc	56	43.84	-2.9
-----														TRF	2.19	13	eP	56	45.61	-1.7
& SEP 15, 1993 17h 40m 51.45s							FCH	0.19	184	iPd	01	22.73	-0.1	AUL	2.20	208	eP	56	46.78	-0.4
60.199 N 153.099 W										iS	01	25.50		AUE	2.21	207	eP	56	46.39	-0.9
DEPTH = 126.2km							PEL	0.35	269	iPd	01	25.74	0.2	AUW	2.22	209	eP	56	46.73	-0.7
SOUTHERN ALASKA (2)										iS	01	30.96		KTH	2.25	5	eP	56	46.78	-1.1
<AEIC>.							PCH	0.52	203	iPd	01	29.02	0.0	MTU	2.28	124	eP	56	45.46	-2.9
ILIM	0.14	150	eP	41	08.02	0.6				iS	01	37.01		VZW	2.36	94	eP	56	46.72	-2.7
			eS	41	22.02		JACH	0.53	329	iP	01	29.17	0.0	VLZ	2.45	92	ePc	56	48.03	-2.7
INE	0.14	172	eP	41	08.19	0.6				iS	01	36.71					eS	57	17.22	
			eS	41	22.43		ROCH	0.64	285	iP	01	31.26	-0.2	FID	2.46	101	eP	56	47.16	-3.7
RED	0.27	36	eP	41	08.57	0.8	TACH	0.76	227	iPd	01	33.10	-0.1	HIN	2.57	109	eP	56	49.08	-3.3
			eS	41	22.25		CACH	1.01	196	iPd	01	37.89	0.2	DHY	2.57	45	eP	56	51.09	-1.5
RS2	0.31	33	eP	41	09.63	1.5				iS	01	52.17		TOA	2.60	70	eP	56	51.50	-1.4
RDW	0.32	27	eP	41	08.88	0.8	LCCH	1.14	252	iPd	01	39.92	0.2	KLU	2.64	84	ePc	56	50.62	-2.7
NCT	0.37	13	iP	41	09.12	-0.7				iS	01	55.26					eS	57	21.45	
			eS	41	23.38		LNW	1.25	229	iP	01	41.34	-0.3	CDD	2.66	206	eP	56	52.30	-1.3
DFR	0.44	27	iP	41	09.16	-1.0				iS	01	58.04		SYI	2.77	191	eP	56	54.85	-0.3
RDT	0.51	42	iP	41	09.63	-0.9	S.D. = 0.2 on 9 of 9 obs.							CVA	2.86	103	ePc	56	52.92	-3.5
OPT	0.55	187	iP	41	09.86	-0.8	& SEP 15, 1993 18h 56m 12.26s							SGAM	3.13	103	eP	56	56.26	-4.0
			eS	41	24.71		61.327 N 151.389 W													

15d 18h

KDC 3.63 189 (P) 57 04.77 -2.5
 GLB 3.65 85 eP 57 04.21 -3.3
 FBA 3.94 23 eP 57 09.26 -2.3
 BALM 4.39 90 eP 57 13.77 -4.3

66 obs. associated

SEP 15, 1993 20h 11m 40.59± 0.24s
 22.198 S ± 3.8km 68.395 W ± 5.9km
 DEPTH = 113.7km (14 depth phases)
 4.9mb (13 obs.)

NORTHERN CHILE (123)
 Felt at Calama.

ANT 2.39 231 iP+ 12 19.00 -0.3
 IS 12 44.30
 YJA 2.68 90 iPc 12 28.50 4.9X
 HJA 2.94 111 iPc 12 32.00 5.4X
 S 12 43.90
 SLA 3.67 134 iPc 12 42.00 5.4X
 CNCB 5.37 4 P 13 00.20 -0.1
 LPB 5.64 3 P 13 05.50 1.6
 1.0s 480.00nm 5.7mb

LEPAZ 5.88 2 P 13 06.30 -1.1
 ARE 6.41 332 eP 13 08.00 -6.3X
 CYA 6.65 160 ePd 13 19.50 2.2
 RTPR 8.25 169 e(P) 13 40.00 1.1
 RTLL 9.10 180 ePc 13 49.50 -1.0
 RTCB 9.26 182 ePc 13 51.50 -1.2
 SIV 9.27 50 P 13 49.00 -3.9X
 ZON 9.31 181 eP 13 45.50 -7.9X
 CFA 9.37 179 ePd 13 53.00 -1.2
 RTCV 9.63 181 eP 13 56.00 -1.6
 MRA 10.45 167 e(P)c 14 07.80 -0.7
 PEL 11.09 190 iP+ 14 19.60 2.5
 RFA 12.53 180 ePc 14 33.50 -2.5
 NNA 12.97 320 iPd 14 47.70 5.9X
 0.9s 16.81nm 4.6mb

PPD 15.83 93 eP 15 19.30 0.9
 e 15 23.90
 RSTA 17.94 102 eP 15 44.50 0.2
 VAO 19.80 96 eP 16 04.10 -0.4
 CACB 20.10 93 ePc 16 06.70 -1.0
 e 16 33.50 156kmX

VAO2 20.19 97 eP 16 08.40 -0.1
 e 16 09.20 3kmX
 BAO 20.36 75 eP 16 09.00 -1.4
 i 16 12.10 12kmX
 e 16 27.80
 i 16 41.90

PSO 24.83 338 eP 16 55.50 1.2
 JSC 57.48 347 eP 21 17.88 -2.0
 UYO 61.29 335 iPd 21 44.00 -2.2
 FVM 63.34 341 eP 21 56.94 -2.7
 0.6s 19.77nm 5.2mb

ALQ 67.34 327 iPd 22 25.57 117km
 esP 22 38.30
 0.9s 18.81nm 5.0mb
 eP 22 53.48 116km

TUC 67.68 322 ePd 22 28.07 0.4
 1.4s 26.63nm 5.0mb
 eP 22 55.69 110km
 esP 23 08.77

SPA 67.94 180 iPd 22 30.80 1.8
 1.0s 20.00nm 5.0mb

LIC 68.13 73 P 22 30.42 -0.3
 0.7s 13.00nm 4.9mb

TIC 68.32 73 P 22 32.30 0.4
 0.8s 10.00nm 4.8mb

KIC 68.44 73 P 22 32.68 0.0
 0.6s 16.50nm 5.1mb

GLA 70.58 320 eP 22 45.27 -0.1
 eP 23 13.99 114km

PV08 71.27 328 eP 22 49.50 -0.3
 PV09 71.45 327 eP 22 50.57 -0.3

PEC 72.56 319 eP 22 57.26 0.0
 0.7s 11.88nm 4.8mb

SRU 72.62 327 iPd 22 57.14 -0.5
 eP 23 25.74 113km

MSU 73.02 325 iPd 23 00.17 0.1
 eP 23 29.01 114km

SSK 73.10 319 (P) 23 01.35 0.8
 ARUT 73.17 324 ePd 23 01.52 0.7

EMUT 73.30 327 eP 23 30.57 115km
 eP 23 30.57 115km

73.30 327 eP 23 31.38 -0.2

GSC 73.32 320 eP 23 01.92 0.3
 eP 23 30.57 113km
 RSSD 73.63 334 ePd 23 02.54 -0.9
 0.8s 14.49nm 4.8mb

DAU 73.97 327 ePd 23 05.71 0.1
 ISA 74.56 320 ePd 23 09.25 0.5
 0.7s 10.15nm 4.7mb

eP 23 38.09 113km
 esP 23 51.17

BCH 75.22 318 eP 23 13.11 0.5
 eP 23 42.13 114km

ULM 76.12 342 eP 23 18.50 1.2
 MEMM 76.18 321 eP 23 18.88 1.0

PTI 76.37 328 eP 23 18.68 -0.3
 HHAI 76.69 329 ePd 23 20.82 0.1

ARN 77.52 319 eP 23 26.03 0.7
 eP 23 55.27 115km

MCMT 78.06 329 iPd 23 29.00 0.6
 e 23 57.60 112km

ORV 78.94 321 ePd 23 33.44 0.4
 LBFM 80.33 322 iPd 23 40.61 -0.1

eP 24 09.90 114km
 LGPM 80.59 321 eP 23 41.97 0.0

DFW 82.82 329 iPd 23 53.41 0.1
 eP 24 22.96 114km

esP 24 35.41
 MAW 83.53 163 P 23 59.40 2.8X

RMW 84.32 327 eP 24 00.33 -0.6
 MCW 85.64 327 (P) 24 07.31 -0.1

FRB 85.66 360 eP 24 24.00 17.0X
 0.5s 6.00nm

CSY 91.79 180 P 24 40.29 4.0X
 YKA 92.00 340 eP 24 36.50 -0.6

0.5s 4.60nm 5.0mb
 ASPA 129.51 207 ePKP 30 38.50 0.3

1.0s 6.50nm
 WRA 132.59 210 PKP 30 46.00 1.9

0.6s 2.70nm
 KOD 145.22 104 ePKP 31 08.80 1.3

GBA 146.44 99 PKP 31 10.80 1.7
 0.5s 6.00nm

HYB 148.58 93 ePKP 31 21.00 8.5X
 MAT 152.88 308 ePKP 31 26.00 7.6X

S.D. = 1.1 on 60 of 72 obs.

? SEP 15, 1993 21h 00m 39.24± 6.56s
 36.219 N ± 42.1km 0.941 W ± 35.9km

DEPTH = 10.0km (geophysicist)
 WESTERN MEDITERRANEAN SEA (387)

mbLg 2.7 (MDD).

ENIJ 1.27 307 eP 01 02.50 -0.3
 eS 01 20.00

EALH 1.68 347 eP 01 08.30 -0.5
 eS 01 30.00

EGUA 2.20 287 eP 01 16.20 -0.2
 eS 01 41.00

ECOG 2.36 297 eP 01 19.00 0.3
 eS 01 46.30

EVIA 2.72 333 eP 01 24.50 0.7
 eS 01 58.30

S.D. = 0.7 on 5 of 5 obs.

SEP 15, 1993 21h 21m 37.89± 0.59s
 38.297 N ± 5.4km 28.116 E ± 5.4km

DEPTH = 10.0km (geophysicist)

TURKEY (366)

ML 3.1 (ISK).

IZM 0.68 279 iPg 21 50.50 -0.9
 CIN 0.70 182 iPg 21 52.00 0.4

iSg 22 05.00
 KHL 1.11 88 iPn 21 58.20 -0.5

DST 1.37 17 iPn 22 02.40 -0.6
 ALT 1.74 63 ePn 22 08.70 0.3

KCT 1.96 5 iPn 22 12.50 1.0
 EDC 2.06 355 ePn 22 13.00 0.1

BNT 2.06 356 ePn 22 13.00 0.0
 EZN 2.07 318 ePn 22 14.20 1.2

KGT 2.24 344 ePn 22 15.00 -0.6
 MFT 2.57 346 ePn 22 20.00 -0.3

EYL 2.76 34 ePn 22 23.00 -0.1

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

? SEP 15, 1993 21h 27m 12.64± 1.44s
 6.331 S ± 13.1km 130.722 E ± 29.6km

DEPTH = 158.7 ± 18.3 km

4.5mb (2 obs.)

BANDA SEA (280)

SLKI 1.74 161 ePc 27 46.00 0.3
 IS 28 08.60

MTN 6.49 176 eP 28 47.00 0.1
 0.3s 142.00nm 5.8mb X

eS 29 58.00
 KNA 9.55 191 eP 29 27.00 -0.7

0.2s 19.00nm 5.3mb X
 eS 31 10.00

WB2 13.98 166 iPd 30 23.50 -1.7
 eS 32 52.60

ASPA 17.51 170 eP 31 10.30 1.7
 0.4s 17.00nm 4.7mb

eS 34 17.40
 MBL 18.12 215 eP 31 16.00 0.6

0.4s 6.00nm 4.3mb
 CHTO 40.07 309 eP 34 34.90 0.8

GUN 55.06 310 P 36 30.80 0.0
 KKN 55.45 310 P 36 33.00 -0.5

DMN 55.50 310 P 36 33.80 0.0
 GBA 56.48 291 P 36 40.00 -0.7

S.D. = 1.1 on 11 of 11 obs.

& SEP 15, 1993 21h 47m 58.92s
 60.463 N 152.816 W

DEPTH = 153.1km
 SOUTHERN ALASKA (2)

<AEIC>.

RDW 0.02 9 eP 48 19.42 1.2
 eS 48 35.05

NCT 0.11 330 eP 48 18.73 0.5
 eS 48 34.45

DFR 0.14 26 eP 48 18.75 0.5
 eS 48 35.43

RDT 0.23 61 eP 48 19.07 0.7
 eS 48 36.06

ILIM 0.39 191 eP 48 19.54 0.7
 eS 48 36.34

INE 0.42 197 eP 48 19.66 0.5
 BKG 0.67 24 eP 48 20.95 -1.0

CKL 0.77 17 eP 48 21.86 -0.8
 CKT 0.80 22 eP 48 21.80 -1.0

SPU 0.81 27 eP 48 21.88 -1.6
 NKA 0.83 69 eP 48 23.97 1.1

BGL 0.83 14 eP 48 22.35 -0.7
 OPT 0.84 195 eP 48 22.16 -0.9

CP2 0.85 19 eP 48 22.55 -0.8
 CRP 0.87 22 eP 48 22.56 -0.9

CGLM 0.94 25 eP 48 22.83 -1.0
 PDB 0.97 226 eP 48 22.04 -1.9

HOM 1.00 143 eP 48 23.13 -1.1
 eS 48 43.80

AUL 1.13 196 eP 48 24.65 -0.7
 AUW 1.15 197 eP 48 24.69 -0.8

AUP 1.15 196 eP 48 24.30 -1.3
 CNPM 1.23 139 eP 48 26.38 0.0

eS 48 47.03
 SLKM 1.29 87 eP 48 26.01 -0.9

SUA 1.43 44 eP 48 27.50 -0.9
 CDD 1.59 196 eP 48 28.55 -1.5

SKT 1.65 22 eP 48 29.61 -1.0
 eS 48 54.46

MPA 1.71 88 eP 48 30.38 -0.9
 SEW 1.72 101 eP 48 30.91 -0.4

PMS 1.78 62 eP 48 31.08 -1.0
 SYI 1.87 173 eP 48 31.69 -1.4

PWL 2.24 78 eP 48 36.55 -1.0
 CUT 2.30 31 eP 48 37.51 -0.7

LTI 2.51 98 eP 48 40.02 -0.7
 SML 2.56 56 eP 48 39.70 -1.7

CFI 2.58 72 eP 48 40.09 -1.4
 MTU 2.62 98 eP 48 42.00 -0.1

HIN 3.13 88 eP 48 48.12 -0.5
 VZW 3.13 76 eP 48 47.75 -0.9

FID 3.14 82 eP 48 47.95 -0.7
 VLZ 3.25 75 eP 48 48.75 -1.3

CVA 3.50 86 eP 48 51.96 -1.3
 KLU 3.52 70 eP 48 52.08 -1.6

DHY 3.68 42 eP 48 54.29 -1.6
 SGAM 3.77 86 eP 48 56.33 -0.5

SDG 4.05 56 eP 49 00.28 -0.4
 HMT 4.25 88 eP 49 02.74 -0.4

PAX 4.31 51 eP 49 03.49 -0.6
 GLB 4.50 73 eP 49 05.20 -1.4

15d 21h

CROM 4.78 82 eP 49 10.18 -0.2
 TGL 4.93 82 eP 49 11.87 -0.5
 BALM 5.17 79 eP 49 15.19 -0.3
 YAH 5.49 86 eP 49 19.97 0.1
 52 obs. associated

* SEP 15, 1993 22h 10m 40.46± 0.77s
 6.777 N ± 8.6km 82.244 W ± 11.2km
 DEPTH = 33.0km (normal)
 4.4mb (1 obs.)
 SOUTH OF PANAMA (83)
 MD 4.4 (UPA).

DVD 1.66 353 iPC 11 06.40 -1.3
 IS 11 25.20
 BRU 2.04 351 eP 11 13.00 -0.6
 eS 11 38.00
 UPA 3.46 51 iPD 11 34.10 0.7
 IS 12 15.90
 ECO 3.60 44 iPD 11 35.50 0.1
 IS 12 17.20
 LPAZ 26.84 149 P 16 21.30 0.6
 LPB 27.06 149 eP 16 28.00 5.5X
 CNCB 27.35 149 eP 16 24.00 -1.4
 ALQ 35.81 325 ePC 17 39.54 0.4
 0.8s 4.45nm 4.4mb
 SRU 41.06 326 iPC 18 23.30 0.5
 DAU 42.37 327 eP 18 34.62 0.9
 S.D. = 1.0 on 9 of 10 obs.

SEP 15, 1993 22h 43m 35.63± 0.60s
 34.986 N ± 5.7km 12.414 E ± 3.7km
 DEPTH = 10.0km (geophysicist)
 4.2mb (5 obs.)
 CENTRAL MEDITERRANEAN SEA (400)

PTS 1.85 349 P 44 06.73 -0.9
 MBZ 2.21 321 iPD 44 12.60 -0.2
 MEDT 2.24 248 iPD 44 15.00 1.8
 ZGN 2.34 307 iPD 44 15.00 0.3
 TROT 2.37 285 iPD 44 14.50 -0.8
 SGNT 2.49 239 iPC 44 17.50 0.7
 FAI 2.50 24 P 44 18.51 1.5
 CVT 2.70 6 P 44 20.27 0.4
 MCT 2.82 20 P 44 23.28 1.6
 PZI 2.88 44 P 44 22.70 0.3
 BERT 2.90 256 iPC 44 23.00 0.3
 KCHT 2.92 317 iPC 44 23.00 0.0
 MEU 2.93 43 P 44 22.59 -0.7
 SYA 2.98 266 iPD 44 23.00 -0.8
 KRIT 3.04 297 iPD 44 23.70 -0.9
 GIB 3.27 23 P 44 28.89 0.9
 GIO 3.37 39 P 44 39.86 10.5X
 MNO 3.47 31 P 44 32.09 1.2
 GHAT 3.67 295 iPD 44 32.50 -1.1
 USI 3.76 9 P 44 34.68 -0.3
 ATN 4.01 37 P 44 39.06 0.7
 GMB 4.22 40 P 44 41.65 0.1
 SOI 4.25 43 P 44 41.88 0.0
 GRI 4.99 39 P 44 52.93 0.5
 TDS 5.62 33 P 45 00.61 -0.6
 MGR 5.72 25 P 45 01.61 -1.0
 ORI 6.00 31 P 45 10.97 4.4X
 SGO 6.02 22 P 45 06.74 2.0
 RFI 6.42 11 P 45 14.56 2.0
 RDP 6.77 2 P 45 18.30 0.9
 SDI 6.80 9 P 45 19.03 1.1
 RMP 6.82 2 P 45 19.40 1.3
 BRT 6.99 31 P 45 19.84 -0.7
 MNS 7.39 2 P 45 27.20 1.0
 IGT 7.77 52 eP 45 30.06 -1.5
 PGF 8.01 342 Pn 45 35.00 0.1
 Sn 46 59.10
 AGG 8.90 60 iP 45 45.97 -1.2
 SFI 8.93 357 P 45 54.24 6.7X
 FNA 9.15 48 eP 45 38.86 -11.8X
 LIT 9.49 54 eP 45 52.62 -2.7
 LMR 9.51 333 Pn 45 53.60 -2.0
 IMI 9.57 340 P 45 56.42 -0.1
 FRF 9.66 334 Pn 45 55.80 -1.8
 SBF 9.66 338 Pn 45 56.20 -1.5
 Sn 47 42.00
 LRG 9.67 333 Pn 45 56.20 -1.5
 FIN 9.76 342 P 45 59.30 0.2
 GRG 9.88 50 eP 45 57.98 -2.8
 SKO 9.93 43 ePn 46 14.00 12.6X
 ROB 9.93 341 P 46 00.72 -0.7

PCP 10.00 344 P 46 02.51 0.2
 ENR 10.00 339 P 46 01.73 -0.7
 STV 10.04 339 P 46 02.37 -0.6
 PAIG 10.22 58 eP 46 03.06 -2.3
 DOI 10.30 339 P 46 06.48 -0.1
 KNT 10.31 50 eP 46 02.90 -3.7X
 PZZ 10.35 338 P 46 06.90 -0.3
 SOH 10.42 53 eP 46 04.42 -3.7X
 OUR 10.61 56 eP 46 02.50 -8.2X
 SRS 10.73 52 eP 46 08.58 -3.7X
 VBY 10.73 11 e(Pn) 46 16.20 3.9X
 RRL 10.82 338 P 46 14.36 0.6
 RSP 10.89 340 P 46 14.13 -0.5
 LSD 11.20 341 P 46 19.44 0.4
 LPG 11.35 339 Pn 46 22.40 1.3
 LPL 11.37 339 Pn 46 22.90 1.6
 KBA 12.10 3 i(P) 46 32.50 1.4
 1.1s 8.20nm 4.9mb X
 WTTA 12.28 358 iPC 46 38.70 5.2X
 1.0s 11.40nm 5.1mb X
 i 46 45.40
 i 46 51.60

EPF 12.35 314 Pn 46 34.00 -0.3
 Sn 48 45.40
 CAF 12.70 325 Pn 46 37.20 -1.8
 LPO 12.96 322 Pn 46 41.20 -1.2
 RJF 13.24 324 Pn 46 43.70 -2.5
 LFF 13.36 322 Pn 46 46.20 -1.6
 BSF 13.50 344 Pn 46 50.50 0.8
 BGF 13.63 331 Pn 46 51.80 0.5
 ZST 13.65 13 eP 46 43.80 -7.8X
 TCF 13.68 329 Pn 46 51.60 -0.3
 HAU 13.77 343 Pn 46 53.50 0.3
 LOR 13.85 335 Pn 46 54.40 0.2
 GEC2 13.88 4 Pn 46 57.10 2.4
 0.6s 0.86nm 3.7mb X
 e 47 01.90

CDF 13.95 346 Pn 46 57.60 2.0
 KHC 14.16 3 eP 47 04.50 6.2X
 1.0s 3.50nm 4.0mb
 e 47 17.00
 MLR 14.71 40 eP 47 15.00 9.5X
 MFF 14.98 325 Pn 47 10.50 1.5
 PRU 15.07 5 eP 47 21.30 11.1X
 SPC 15.32 20 eP 47 15.40 1.8
 VRI 15.37 41 eP 47 21.50 7.4X
 MOX 15.66 358 eP 47 23.90 6.0X

Z 19s 0.10um
 BRG 15.92 4 eP 47 26.60 5.4X
 KSP 16.10 9 eP 47 28.50 5.0X
 CLL 16.32 1 eP 47 33.00 6.7X
 1.7s 29.00nm 4.1mb
 LPF 16.44 327 Pn 47 28.00 0.2
 LDF 16.47 329 Pn 47 31.60 3.4X
 GRR 16.63 328 Pn 47 31.80 1.6
 HFS 25.18 2 eP 49 02.90 0.6
 0.6s 3.60nm 4.3mb
 Z 16s 0.05um 3.2MszX
 LR 58 15.00

NB2 26.08 359 P 49 10.70 -0.2
 0.9s 1.50nm 3.7mb
 BCAO 30.93 168 iPC 49 57.00 2.1
 0.7s 3.00nm 4.3mb
 BAO 76.24 240 eP 55 30.80 4.3X
 i 55 37.20
 S.D. = 1.2 on 75 of 97 obs.

% SEP 15, 1993 22h 46m 47.19± 1.00s
 31.564 S ± 12.3km 68.673 W ± 11.2km
 DEPTH = 10.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)

RTCB 0.13 305 eP 46 51.00 0.5
 RTCV 0.32 159 eP 46 53.20 -0.6
 CFA 0.37 97 iPD 46 54.00 -0.9
 S 46 58.00
 RTRS 1.54 334 eP 47 14.00 -0.8
 S 47 34.50
 MRA 2.66 109 e(P)c 47 32.50 1.7
 S.D. = 1.6 on 5 of 5 obs.

SEP 15, 1993 23h 56m 27.58± 0.81s
 57.792 N ± 7.9km 138.624 W ± 6.2km
 DEPTH = 10.0km (geophysicist)
 OFF COAST OF SOUTHEASTERN ALASKA (20)
 ML 3.7 (AEIC), 3.8 (PMR).

HQN 1.67 356 iP 56 56.81 -0.2
 eS 57 16.67
 YKU 1.86 342 P 57 01.30 1.6
 S 57 24.50
 PNL 1.92 348 eP 57 00.02 -0.7
 SIT 1.93 111 eP 57 00.70 0.0
 eS 57 29.05
 BCPM 2.23 347 eP 57 04.47 -0.7
 PCA 2.46 341 eP 57 08.23 -0.2
 CHX 2.62 331 eP 57 10.29 -0.4
 YAH 3.04 329 eP 57 16.43 -0.4
 CYK 3.05 321 eP 57 16.82 0.2
 eS 57 51.60

SNH 3.24 319 eP 57 20.39 0.9
 WAX 3.44 323 eP 57 21.89 -0.5
 CTGM 3.47 338 eP 57 23.72 0.9
 TGL 3.67 326 eP 57 25.63 -0.1
 KAIM 3.69 308 eP 57 26.48 0.6
 BALM 3.77 331 iP 57 27.69 0.6
 CROM 3.77 324 eP 57 26.33 -0.8
 HMT 3.87 314 eP 57 27.13 -1.3
 RAGM 4.06 312 eP 57 30.92 -0.2
 SGAM 4.34 311 eP 57 36.35 1.2
 MID 4.36 295 P 57 35.20 0.0
 GLB 4.51 326 eP 57 37.28 -0.2
 HIN 4.83 306 eP 57 41.84 -0.2
 VLZ 5.16 314 eP 57 46.01 -0.6
 KLU 5.24 318 eP 57 47.88 0.0
 TOA 5.75 322 P 57 56.00 0.9
 PWL 5.84 306 eP 57 54.75 -1.6
 SCM 5.97 316 eP 57 58.83 0.6
 MPA 6.15 301 eP 58 00.70 0.1
 PAX 6.20 330 eP 58 01.86 0.4
 SML 6.34 314 eP 58 01.33 -2.0
 PMR 6.54 310 (P) 58 07.81 1.7
 PMS 6.55 306 eP 58 06.20 -0.2
 KDC 7.42 276 eP 58 18.80 0.4
 INK 10.80 10 eP 59 11.50 6.4X
 0.6s 2.00nm 4.7mb X
 S.D. = 0.9 on 33 of 34 obs.

SEP 16, 1993 00h 59m 26.40± 0.12s
 44.533 N ± 2.6km 149.036 E ± 2.1km
 DEPTH = 33.0km (normal)
 5.8mb (184 obs.) 5.1msz (63 obs.)
 KURIL ISLANDS (221)

Mw 5.5 (GS), 5.5 (HRV).
 MOMENT TENSOR SOLUTION
 Dep 36 No. of sta: 23
 Moment Tensor; Scale 10**17 Nm
 Mrr=-1.88 Mtt=0.15
 Mff=-2.03 Mrt=-0.56
 Mrf=0.87 Mtf=-0.50

Principal axes:
 T Val= 2.26 Plg=68 Azm=217
 N 0.01 19 6
 P -2.27 10 99
 Best Double Couple:Mo=2.3*10**17
 NP1:Strike=211 Dip=38 Slip= 122
 NP2: 353 58 68
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 41S, 75C
 Centroid Location:
 Origin Time 00:59:30.4 0.3
 Lat 44.56N 0.03 Lon 149.48E 0.04
 Dep 38.1 2.1 Half-duration 1.4
 Moment Tensor; Scale 10**17 Nm
 Mrr=-1.59 0.04 Mtt=-0.30 0.06
 Mff=-1.28 0.06 Mrt= 0.26 0.11
 Mrf= 1.05 0.10 Mtf=-1.16 0.06
 Principal Axes:
 T Val= 1.94 Plg=70 Azm=259
 N 0.38 13 28
 P -2.32 15 122
 Best Double Couple:Mo=2.1*10**17
 NP1:Strike=229 Dip=32 Slip= 114
 NP2: 21 61 75

KUSJ 3.44 247 eP 00 18.60 -0.4
 eS 00 57.70
 ASAJ 4.61 267 eP 00 38.50 3.0
 HOOJ 4.70 245 P 00 38.50 1.7
 eS 01 33.80
 YSS 5.07 302 (Pn) 00 45.00 2.9
 Z 14s 40.00um
 (S) 01 40.00

16d 01h

SAP	5.77	258	eP	00	55.00	3.1X	N	17s	2.50um			1.3s	168.51nm		5.8mb						
			eS	02	04.00				sP	05	04.00	GZH	36.16	246	iPc	06	27.00	-0.5			
MRRJ	6.17	253	eP	00	58.20	0.7			S	09	18.50		1.2s	110.00nm		5.7mb					
AOMJ	7.53	241	eP	01	16.10	-0.5	SSE	25.62	248	Pc	04	55.00	0.6	Z	21s	3.17um	5.1MsZ				
OFUJ	7.74	228	eP	01	16.00	-3.6X		1.0s	110.00nm					N	15s	1.05um					
			eS	02	37.90			Z	20s	6.00um				E	16s	1.65um					
SKR	7.77	35	ePn	01	18.00	-2.0		N	16s	2.50um				GTA	36.50	280	iPc	06	30.60	0.1	
	Z	18s	9.10um					E	16s	1.80um					0.6s	130.00nm		6.0mb			
	N	16s	7.80um						pP	05	05.50	39kmX		Z	16s	6.40um		5.5MsZ			
	E	16s	13.30um											N	14s	1.79um					
YAMJ	9.28	230	eP	01	38.00	-2.9X	NJ2	26.61	252	Pc	05	03.50	0.1		pP	06	42.50	43kmX			
OKH	9.87	338	iPnc	01	53.00	4.1X		1.2s	190.00nm						sP	06	47.50				
	Z	18s	17.00um					Z	17s	6.55um					PP	07	54.00				
NIIJ	10.52	230	P	01	54.80	-3.1X		N	15s	4.43um					PcP	08	54.50				
PET	10.59	33	ePn	01	58.00	-0.8		E	15s	1.67um					S	12	08.00				
	Z	18s	9.70um						S	09	38.50				sS	12	28.00				
KAKJ	10.71	222	P	01	55.60	-4.9X	HHC	27.63	276	Pc	05	13.40	0.6		ScP	12	35.50				
CHJJ	11.42	226	P	02	06.40	-3.8X		1.4s	710.00nm						PcS	12	41.50				
			S	04	06.40			Z	18s	10.20um					SS	14	32.00				
MAT	11.46	230	iPc	02	07.80	-3.0X		N	14s	1.58um					ScS	16	42.00				
	0.7s	150.68nm				6.3mb		E	18s	7.49um											
		(S)	04	26.00			TIY	28.23	269	iPc	05	18.50	0.3	BRW	37.21	26	eP	06	36.60	0.8	
MTMJ	11.65	231	P	02	11.50	-1.9		1.6s	250.00nm					IMA	37.27	35	eP	06	36.36	-0.2	
IIDJ	12.42	227	P	02	21.70	-2.0		Z	20s	6.23um					1.5s	156.24nm		5.6mb			
VLA	12.46	269	iPn	02	24.00	-0.2		E	18s	2.30um				CP2	37.69	42	eP	06	40.70	0.4	
	Z	12s	3.00um						pP	05	24.00	19kmX		CRP	37.73	42	eP	06	40.66	0.1	
	N	15s	5.50um						sP	05	32.00				pP	06	51.33	38kmX			
	E	20s	9.00um						S	10	04.00			KDC	37.77	48	eP	06	39.03	-1.6	
		iS	04	46.00			BTO	28.82	276	iPd	05	23.50	0.0		0.6s	30.74nm		5.3mb			
TSRJ	13.43	232	P	02	35.10	-1.9		1.1s	110.00nm					CD2	37.83	265	iPc	06	41.30	-0.3	
MDJ	13.86	277	eP	02	43.20	0.5		N	14s	1.87um					1.0s	560.00nm		6.4mb			
	1.0s	100.00nm				5.5mb		E	16s	4.41um				Z	27s	2.40um		4.9MsZ			
	Z	17s	12.50um			5.9MsZ			pP	05	28.00	16kmX		E	15s	1.85um					
	N	15s	4.31um						S	10	08.50				pP	06	54.50	50kmX			
	E	15s	7.88um												S	12	25.00				
		pP	02	54.50			ILT	28.86	25	iPd	05	22.00	-1.5		sS	12	48.00				
WKYJ	14.61	230	P	02	49.30	-3.3X		1.8s	224.00nm					GYA	38.43	256	iPc	06	46.20	-0.5	
YONJ	15.15	237	P	02	57.50	-2.0		Z	18s	4.50um					1.0s	200.00nm		5.9mb			
MGD	15.63	3	iPc	03	07.00	1.4		N	18s	3.00um					Z	18s	5.00um		5.4MsZ		
	1.4s	410.00nm				5.4mb		E	20s	1.60um					N	15s	1.84um				
	Z	16s	37.00um			4.2MsZ			i	05	36.50	59kmX		E	15s	1.30um					
		e	06	00.00					iS	10	06.00				pP	07	02.00	63kmX			
TKSJ	15.65	233	P	03	03.80	-2.2			iS	05	21.00	-2.6			PP	08	16.00				
SHK	16.07	237	eP	03	09.40	-1.9			e	08	40.00				S	12	38.00				
CN2	16.93	276	eP	03	20.50	-1.7		Z	14s	3.50um				SLKM	38.71	44	eP	06	48.26	-0.4	
	1.0s	150.00nm				5.1mb			ePPP	06	20.00			NRI	39.05	331	ePd	06	48.00	-3.2X	
	Z	20s	6.32um			4.2MsZ			e	08	40.00				1.2s	36.00nm		5.0mb			
	N	14s	1.99um				WHN	30.59	255	Pc	05	39.00	-0.3		Z	21s	9.60um		5.6MsZ		
	E	14s	4.22um					1.0s	89.00nm					E	21s	8.50um					
		epP	03	28.00				Z	20s	7.46um					e	06	59.00	39kmX			
		eS	06	27.00				N	16s	1.20um					e	09	02.00				
SHNJ	17.30	239	eP	03	25.60	-1.2		E	18s	6.41um					eS	12	49.00				
SMY	18.41	55	eP	03	40.60	0.1									ePPS	13	08.00				
	0.7s	178.60nm				5.3mb			eS	10	32.00				eSSS	16	11.00				
KUMJ	18.56	236	eP	03	42.60	0.1	GUMO	31.04	188	eP	05	52.40	9.0X	PLP	39.16	219	ePd	06	53.20	0.4	
SNY	18.74	271	iPc	03	42.50	-2.1		Z	22s	1.06um				PMR	39.17	42	eP	06	51.72	-0.7	
	1.0s	160.00nm				5.2mb			e(P)	05	54.20	10.8X			1.1s	72.64nm		5.4mb			
	Z	20s	8.60um			5.1MsZ			eP	05	42.00	-1.4		Z	21s	1.84um		4.9MsZ			
	E	18s	5.07um						1.3s	24.00nm					pP	07	02.25	37kmX			
		sP	03	56.00					Z	15s	7.35um				pP	06	56.16	-0.3			
		S	07	06.00					E	15s	7.39um				1.0s	61.93nm		5.3mb			
		sS	07	14.00					e	06	45.00	329kmX		TOA	40.53	41	eP	07	03.10	-0.6	
KAGJ	19.51	233	eP	03	54.70	1.0			e	08	38.00				KLK	40.71	42	eP	07	05.10	-0.1
YAK	20.83	334	ePc	04	04.00	-3.3X			eSS	12	35.00				QIZ	41.33	245	Pc	07	12.00	1.4
	1.1s	1480.00nm				6.3mb			e	13	00.00				E	17s	3.21um				
		iPp	04	16.00		51kmX	QZH	31.48	242	Pc	05	48.00	0.9			eS	13	30.00			
		i	04	29.00				Z	20s	2.74um				KMI	42.01	258	Pc	07	16.50	0.1	
		iPPP	04	39.00				N	20s	1.80um					1.6s	650.00nm		6.1mb			
		iS	07	53.00					S	10	50.00				Z	20s	3.70um		5.3MsZ		
		iSS	08	11.00					sS	11	10.00				N	16s	1.90um				
		i	15	26.00			XAN	32.48	265	P	05	55.00	-0.9		E	16s	1.50um				
DL2	21.16	264	eP	04	10.50	-0.4		1.5s	170.00nm							pP	07	30.00	51kmX		
	1.0s	440.00nm				5.8mb		Z	20s	5.76um					S	13	33.00				
	Z	20s	3.08um			4.7MsZ		N	18s	2.83um					sS	13	52.00				
	N	12s	1.00um					E	16s	1.15um					CTB	42.49	42	eP	07	19.99	0.2
	E	16s	2.52um						S	11	07.00				WMQ	43.03	218	ePc	07	28.00	3.5X
		sP	04	26.00					sS	11	29.00					43.07	292	P	07	25.80	1.1
		S	08	00.00			SDN	33.52	53	P	06	10.00	5.4X			0.6s	110.00nm		5.8mb		
CIT	24.55	300	eP	04	44.00	-0.1															

		1.0s	280.00nm			6.2mb
	Z	20s	6.17um			5.6MsZ
	N	10s	0.69um			
MBC	47.64	19	iPc	08 00.20	-0.5	
			SP	08 16.30		
			PcP	09 18.60		
			PP	09 39.40		
			PPP	10 30.20		
			S	14 50.90		
			ScS	17 31.60		
			SS	18 01.60		
			SSS	19 19.00		
			PKKP	30 33.30		
			P'P'	39 31.80		
LOE	47.87	251	eP	08 02.00	-1.1	
TSM	48.53	224	ePc	08 08.50	0.3	
CHTO	48.80	255	iPc	08 10.40	0.1	
			76.73nm			5.7mb
HON	49.13	100	P	08 20.00	7.2X	
	Z	19s	1.90um			5.1MsZ
SHL	49.43	267	eP	08 14.80	-0.6	
			eS	15 32.00		
BDT	49.84	253	eP	08 07.50	-10.8X	
NST	50.17	251	eP	08 21.50	0.7	
FRU	52.07	296	iPc	08 34.60	-0.4	
			1.8s	300.00nm		6.0mb
GUN	52.32	274	Pc	08 37.40	-0.1	
NNT	52.65	249	iPd	08 41.00	1.4	
KKN	52.82	274	Pc	08 41.00	-0.1	
KSH	52.86	292	P	08 41.70	0.5	
			0.7s	190.00nm		6.2mb
	Z	20s	5.72um			5.6MsZ
	N	14s	1.44um			
	E	15s	5.27um			
			PcP	09 49.00		
			S	16 10.00		
			ScS	18 24.00		
DMN	53.05	274	Pc	08 42.80	-0.1	
SVE	53.51	317	iPd	08 44.00	-1.5	
			0.8s	100.00nm		5.9mb
	Z	16s	5.50um			5.7MsZx
	N	16s	2.50um			
	E	16s	3.50um			
			i	08 55.10	38kmX	
			e	09 50.20		
			eS	16 09.00		
RES	53.82	17	eP	08 47.00	-0.6	
			0.9s	109.00nm		5.9mb
YKA	54.39	35	eP	08 51.20	-0.7	
			0.7s	29.00nm		5.4mb
ARU	54.70	317	eP	08 53.00	-1.2	
			0.7s	90.00nm		5.9mb
	Z	16s	5.00um			5.7MsZx
	N	16s	2.50um			
	E	16s	3.50um			
			e	09 03.00	33kmX	
			e	09 12.00		
			e	18 36.00		
SNG	56.10	243	eP	09 06.90	2.1	
			1.9s	526.32nm		6.2mb
MCW	57.40	52	eP	09 13.60	-0.2	
IPM	57.83	241	ePc	09 17.40	0.2	
			1.3s	94.80nm		5.7mb
GMW	58.03	53	eP	09 22.86	4.7X	
BMW	58.35	54	eP	09 19.95	-0.6	
RMW	58.63	53	eP	09 24.19	1.6	
DAG	58.73	357	eP	09 21.00	-1.7	
			0.6s	15.33nm		5.3mb
LON	59.02	53	eP	09 24.78	-0.4	
SHW	59.08	54	eP	09 26.97	1.2	
VGB	60.31	54	eP	09 33.85	-0.2	
DPW	60.43	51	eP	09 33.94	-0.9	
TRO	60.44	342	eP	09 32.00	-2.5	
NEW	60.80	50	eP	09 36.43	-0.9	
			1.3s	142.52nm		5.9mb
KMPM	61.22	60 (P)		09 46.84	6.5X	
YBH	61.33	59	eP	09 41.41	0.3	
			1.1s	20.00nm		5.1mb
	Z	22s	0.90um			4.9MsZ
			eS	18 04.52		

LOF	62.81	343	eP	09	47.65	-2.8
MIN	62.82	59	eP	09	50.35	-0.8
	1.1s	20.00nm				5.2mb
LEM	63.25	227	iPd	09	54.00	-0.2
ORV	63.35	60	eP	09	53.61	-0.9
	1.2s	20.00nm				5.1mb
Z	21s	0.50um				4.7MsZ
		eS	18	24.67		
		eLQ	25	55.67		
		eLR	28	47.67		
BKS	63.91	62	eP	10	13.09	15.0X
Z	22s	0.60um				4.7MsZ
		eS	18	35.09		
		eLQ	26	14.09		
		eLR	28	51.09		
HYB	64.15	269	ePc	09	59.20	-0.8
	1.0s	120.00nm				5.9mb
KAF	64.21	334	iP	09	57.30	-2.5
	0.5s	23.30nm				5.5mb
MOS	64.61	324	eP	10	00.00	-2.4
	2.0s	240.00nm				5.9mb
Z	18s	3.60um				5.6MsZ
		e	10	33.00		136kmX
FCC	64.66	31	eP	10	05.00	2.3
LRM	64.81	50	ePc	10	06.00	1.7
CMB	64.97	61	eP	10	04.84	-0.3
	1.2s	20.00nm				5.1mb
Z	22s	0.60um				4.7MsZ
		eS	18	48.65		
		eLQ	26	09.65		
		eLR	29	23.65		
SAO	65.08	62	P	10	20.00	14.2X
Z	19s	0.53um				4.8MsZ
ASH	65.09	299	P	10	06.00	0.2
	1.0s	290.00nm				6.3mb
MCMT	65.22	51	eP	10	06.00	-0.9
MAIO	65.38	297	iPc	10	07.40	-0.4
		eS	18	52.00		
OBN	65.48	324	ePc+	10	07.00	-1.0
	1.0s	105.00nm				5.9mb
Z	18s	2.90um				5.5MsZ
N	16s	1.30um				
E	20s	1.40um				
		e	10	18.50		38kmX
		e	10	38.00		
		eS	18	40.00		
		ePS	19	24.00		
WB5	65.49	195	iP	10	07.10	-1.3
		iPp	10	20.90		49kmX
		ePcP	10	40.20		
WB2	65.55	195	iPd	10	07.90	-0.9
	0.6s	51.70nm				5.8mb
		iPp	10	21.30		47kmX
		isP	10	30.80		
WRA	65.55	195	P	10	08.10	-0.7
	0.7s	29.70nm				5.5mb
WRA	65.55	195	P	10	27.00	18.2X
	1.3s	5.90nm				
NUR	65.95	333	iP	10	09.80	-1.1
	0.5s	55.00nm				5.9mb
BONR	66.31	60	eP	10	13.95	-0.1
HHAI	66.45	52	eP	10	15.15	0.6
PTI	66.72	52 (P)		10	17.13	0.7
POO	66.78	274	iPc	10	18.20	1.3
TNP	66.90	59	eP	10	17.35	-0.3
	0.6s	12.21nm				5.2mb
BCH	66.93	63	eP	10	17.70	0.0
HVU	67.19	53	eP	10	19.24	-0.1
GBA	67.49	267	Pc	10	21.00	-0.3
	0.8s	28.00nm				5.4mb
ISA	67.64	62	eP	10	20.85	-1.4
	0.6s	5.76um				4.9mb
Z	18s	0.48um				4.8MsZ
ABL	67.69	63	eP	10	22.40	-0.3
FRB	68.04	17	eP	10	23.00	-1.1
	0.6s	35.00nm				5.6mb
DZM	68.16	163	iPc	10	26.20	0.8
DUG	68.18	55	eP	10	25.43	-0.2
	1.0s	37.35nm				

			i	10	48.00	
			eS	19	36.00	
ASPA	69.26	195	iPc	10	31.90	-0.2
	0.7s		44.60nm			5.6mb
			i	10	45.70	48kmX
NB2	69.35	340	P	10	29.50	-2.8
	0.7s		53.40nm			5.7mb
ARUT	69.37	57	eP	10	32.84	-0.2
HFS	69.48	338	eP	10	31.10	-2.0
	0.5s		69.50nm			6.0mb
Z	21s		0.83um			5.0MsZ
			LR	36	27.00	
NRA0	69.53	339	iPc	10	31.30	-2.1
NRA0	69.53	339	iPc	10	32.90	-0.5
			PPP	15	12.00	
			e	18	42.50	
			S	19	50.90	
			SS	24	26.50	
EMUT	69.59	54	eP	10	34.27	-0.2
PEC	69.61	62	eP	10	33.37	-0.9
	0.6s		12.17nm			5.1mb
NAO	69.64	340	P	10	29.67	-4.3X
MSU	69.66	56	eP	10	34.67	-0.1
AKU	69.67	354	iP	10	33.60	-0.4
	0.9s		33.61nm			5.4mb
MNK	69.98	328	eP	10	31.00	-5.1X
	0.8s		458.00nm			6.6mb
Z	20s		3.30um			5.6MsZ
N	20s		2.60um			
			eS	19	30.00	
PYA	70.00	312	iPc	10	36.00	-0.5
	1.3s		220.00nm			6.1mb
Z	18s		5.00um			5.8MsZ
N	18s		4.50um			
E	18s		3.00um			
			i	10	49.00	45kmX
			i	11	03.00	
			eS	19	46.00	
			i	20	20.00	
ULM	70.05	38	ePc	10	38.50	1.8
PLM	70.15	63	eP	10	37.56	-0.2
SRU	70.23	54	eP	10	37.17	-1.1
RSSD	70.43	47	eP	10	38.12	-1.3
	1.0s		64.47nm			5.6mb
Z	21s		0.51um			4.8MsZ
MBL	70.62	209	iPc	10	40.00	-0.4
	0.5s		20.00nm			5.4mb
			i	10	53.70	48kmX
MTA	70.64	310	iPc+	10	40.40	0.0
	0.6s		370.00nm			6.6mb
SUE	70.84	343	eP	10	41.12	-0.1
KONO	70.96	340	eP	10	38.00	-4.1X
ASK	71.26	342	eP	10	43.00	-0.8
PV09	71.44	54	eP	10	45.56	-0.2
PV10	71.58	54	eP	10	46.19	-0.3
GLA	71.63	62	eP	10	46.51	-0.1
PV08	71.67	54	eP	10	46.95	-0.2
ERE	71.84	309	iP+	10	48.00	0.2
			eS	20	10.00	
SOC	72.05	314	iPc+	10	49.00	0.2
	1.2s		300.00nm			6.2mb
			eS	20	06.00	
TAB	72.25	306	iPc	10	51.50	1.2
ANN	72.35	316	iPc	10	51.00	0.4
	0.6s		126.00nm			6.1mb
			e	11	11.00	75kmX
			eS	20	10.00	
KMY	72.39	341	eP	10	50.08	-0.5
GLD	72.81	51	eP	10	53.90	0.2
	1.3s		57.47nm			5.4mb
Z	20s		1.09um			5.1MsZ
BSD	73.39	335	iPc	10	55.30	-1.2
	0.6s		150.00nm			6.2mb
NANU	73.46	212	iPc	10	58.00	0.8
	0.4s		12.00nm			5.2mb
COP	73.64	336	iP	10	57.50	-0.4
	0.8s		208.96nm			6.2mb
SIM	73.85	318	eP	10	46.00	-13.4

	Z	18s		3.10um			5.6MsZ
	N	20s		2.50um			
	E	19s		1.60um			
				eS	20	30.00	
				e	21	29.00	
JAQ	74.85	26	eP		11	03.00	-2.0
ALQ	75.45	55	eP		11	08.39	-0.6
	0.9s		17.15nm				5.0mb
Z	21s		0.69um				4.9MsZ
			e	11	22.67		50kmX
			S	20	23.37		
KVT	75.74	314	iP	11	11.50		1.1
CLI	75.76	323	iPd	11	10.00		-0.3
OJC	75.82	329	eP	11	10.50		-0.1
	1.0s		246.00nm				6.2mb
PTT	75.84	323	eP	11	13.00		2.2
EDR	76.14	344	eP	11	12.10		-0.2
BRNL	76.16	334	iPc	11	12.40		0.0
UZH	76.16	327	iPc	11	12.50		0.0
	1.5s		130.00nm				5.7mb
Z	18s		2.80um				5.6MsZ
N	18s		1.70um				
E	18s		1.00um				
			i	11	25.00		42kmX
			eS	20	50.00		
STK	76.35	187	P	11	14.19		0.6
CFR	76.44	321	eP	11	13.00		-1.1
SPC	76.50	328	iP	11	15.20		0.5
	1.3s		236.50nm				6.0mb
VRI	76.53	323	iPc	11	14.90		0.2
KSP	76.54	331	iPc	11	14.50		-0.1
	1.1s		180.00nm				6.0mb
			i	11	15.30		3kmX
			i	11	28.20		
EDU	76.58	345	ePc	11	14.60		-0.2
KAS	76.68	316	iPc	11	17.30		1.6
ELO	76.79	345	ePc	11	15.50		-0.4
EBH	76.96	345	ePc	11	16.60		-0.3
ESY	77.10	344	ePc	11	17.70		0.1
MLR	77.17	323	ePc	11	18.00		-0.4
EAB	77.17	345	ePc	11	17.70		-0.3
EDI	77.20	344	eP	11	18.30		0.1
CLL	77.23	333	iPc	11	17.90		-0.5
	1.2s		255.00nm				6.1mb
			i	11	27.60		31kmX
BRG	77.30	333	iPc	11	18.20		-0.6
	1.4s		140.00nm				5.8mb
Z	19s		2.80um				5.6MsZ
N	19s		2.30um				
E	19s		1.00um				
			i	11	42.00		90kmX
EBL	77.32	344	ePc	11	18.50		-0.4
EAU	77.33	345	ePc	11	19.40		0.5
VRAC	77.73	330	iPc	11	21.80		0.7
	1.2s		548.90nm				6.5mb
			i	11	22.40		2kmX
CMP	77.73	323	ePd	11	20.00		-1.4
EKA	77.76	344	Pc	11	21.10		-0.1
	1.0s		133.80nm				5.9mb
WIT	77.78	338	iPc	11	23.00		1.6
PRU	77.86	332	iPc	11	21.90		0.0
	1.0s		119.00nm				5.9mb
			pP	11	31.40		30kmX
			sP	11	35.40		
GAZ	77.99	311	eP	11	24.40		1.6
MOX	78.25	334	eP	11	24.00		-0.1
	1.5s		181.00nm				5.9mb
Z	18s		0.70um				5.0MsZ
			e	21	32.00		
ACO	78.33	50	iPd	11	23.90		-0.9
BUD	78.37	328	eP	11	25.00		0.3
HOF	78.45	334	eP	11	25.20		0.0
	1.1s		198.00nm				6.0mb
WTS	78.48	337	iPc	11	25.30		0.1
	0.8s		129.50nm				6.0mb
ZST	78.48	329	iPc	11	26.60		1.2
	1.2s		161.00nm				5.9mb
DRA	78.54	323	ePc	11	28.00		2.3
BWA	78.59	181	iPd	11	28.10		2.2
			i	11	41.90		48kmX
GZR	78.59	325	ePd	11	26.00		-0.1
VKA	78.71	330	iPc	11	27.00		0.4
	2.0s		373.00nm				6.0mb
			i	11	40.60		47kmX
KHC	78.92	332	iPc	11	28.60		0.8
	1.4s		330.00nm				6.1mb
Z	18s		2.00um				5.5MsZ

	N	18s	1.10um			
	E	16s	1.00um			
			e	11	37.00	27kmX
			e	11	49.20	
			eS	21	22.00	
EYL	79.07	317	iP	11	29.00	0.1
HRT	79.11	318	iP	11	29.00	0.0
SOP	79.11	330	iPd	11	28.80	0.0
GEC2	79.13	334	e(P)	11	29.10	0.1
	0.5s	37.90nm				5.6mb
WET	79.14	332	iPc	11	29.50	0.5
	1.3s	413.00nm				6.3mb
WIM	79.17	345	ePc	11	29.10	0.1
GRF	79.20	334	iPc	11	29.90	0.6
	0.9s	286.00nm				6.3mb
Z	20s	0.70um				5.0MsZ
		e(pP)	11	42.90	44kmX	
		e(sP)	11	50.90		
GPA	79.21	317	iP	11	31.00	1.5
DMK	79.24	319	eP	11	28.00	-1.6
COOL	79.25	204	eP	11	29.50	-0.2
	79.27	328	iP	11	29.30	-0.4
BNS	79.30	337	ePc	11	29.75	0.0
	1.0s	84.00nm				5.7mb
Z	17s	3.10um				5.7MsZ
MRWA	79.36	209	iPd	11	30.10	-0.1
	0.5s	19.00nm				5.3mb
CNB	79.47	180	iPc	11	47.10	16.3X
CAN	79.48	180	eP	11	32.90	2.1
		iPp	11	46.50	47kmX	
KMR	79.66	331	iP+	11	32.40	0.6
WME	79.81	344	ePc	11	32.80	0.4
ENN	79.83	337	iPc	11	33.20	0.6
	0.9s	140.30nm				6.0mb
MEM	79.95	337	iPc	11	33.32	0.1
	1.5s	116.00nm				5.7mb
KCT	80.18	318	iP	11	35.00	0.3
UCC	80.22	338	P+	11	34.00	-0.7
ALT	80.26	316	iP	11	35.20	-0.1
DLF	80.32	345	eP	11	35.40	0.2
	0.8s	458.00nm				6.5mb
EDC	80.34	318	eP	11	36.00	0.4
BHG	80.37	332	eP	11	36.10	0.5
	1.9s	577.00nm				6.3mb
BAL	80.39	208	eP	11	35.50	-0.2
YRH	80.41	344	ePc	11	35.60	-0.1
DCN	80.41	346	eP	11	36.10	0.5
	1.0s	255.00nm				6.2mb
SNF	80.50	338	iPc	11	36.24	0.0
		iD	11	49.20	44kmX	
HCG	80.69	343	ePc	11	37.20	0.0
TUL	80.73	48	iP	11	38.40	0.7
HAE	80.73	343	ePc	11	37.90	0.5
WLF	80.75	337	iPc	11	37.51	0.0
	2.6s	91.50nm				5.3mb
ALN	80.76	320	eP	11	37.96	0.2
KBA	80.77	331	iPc	11	38.30	0.4
	0.7s	129.00nm				6.0mb
		i	11	41.10	9kmX	
		i	12	02.30		
DOU	80.80	338	Pc	11	37.90	0.1
		e	11	50.00	40kmX	
ETA	80.84	345	eP	11	38.90	1.0
PTJ	80.84	329	iP	11	37.20	-1.0
HTR	80.85	343	ePc	11	38.20	0.2
HOFF	80.87	335	P	11	38.53	0.3
LANF	80.89	335	P	11	38.75	0.4
ZAG	80.90	329	iPc	11	38.60	0.2
SRBF	80.93	335	P	11	39.22	0.7
KLB	80.95	207	eP	11	38.50	-0.2
LTX	81.09	58	eP	11	39.25	-0.6
KHL	81.11	316	iP	11	39.20	-0.6
WATA	81.15	332	iPc	11	40.10	0.2
		i	11	50.10	32kmX	
HGH	81.16	343	ePc	11	39.70	0.0
WTTA	81.19	332	iPc	11	40.50	0.4
	0.6s	144.00nm				6.2mb
		i	11	48.60	26kmX	
		i	11	56.90		
		i	12	03.90		
LJU	81.24	330	eP	11	40.30	0.1
		i	11	42.10	6kmX	
		i	11	57.10		
		(S)	21	38.00		
BCK	81.25	315	eP	11	40.00	-0.5
ECB	81.26	345	eP	11	40.60	0.5
STR	81.26	335	P	11	41.21	1.0

BHL	81.26	309	P	11	40.00	-0.6
			S	21	46.00	
MOTA	81.29	333	iPc	11	40.70	0.0
	1.0s	225.00nm				6.1mb
ECP	81.36	345	eP	11	41.20	0.6
	0.6s	213.00nm				6.3mb
SQTA	81.37	332	iPc	11	41.30	0.3
	0.6s	85.10nm				5.9mb
		i	11	50.40	29kmX	
VBV	81.44	329	ePc	11	40.90	-0.3
SLM	81.47	43	P	11	50.00	8.5X
Z	19s	1.21um				5.3Msz
EZN	81.48	319	iP	11	40.70	-0.8
VOY	81.48	330	ePc	11	40.30	-1.2
		e	11	46.80	21kmX	
WLS	81.53	335	P	11	42.07	0.4
CDF	81.55	335	eP	11	41.80	-0.1
	0.9s	81.90nm				5.7mb
PLE	81.67	325	iPc	11	43.19	0.6
LIBD	81.69	335	P	11	42.93	0.5
SRS	81.69	322	eP	11	42.52	-0.1
CSS	81.73	312	ePc	11	43.50	0.6
OGA	81.74	332	iPc	11	43.50	0.5
SLE	81.76	334	iPc	11	43.00	0.1
ECH	81.76	335	P	11	43.25	0.3
ELF	81.78	35	P	11	44.00	0.9
TOO	81.79	183	eP	11	45.20	2.3
TRI	81.80	330	ePc	11	42.60	-0.5
FEL	81.81	335	P	11	43.56	0.3
IVA	81.84	325	iPc	11	43.84	0.4
FVM	81.88	43	eP	11	43.31	-0.4
	1.0s	43.92nm				5.4mb
Z	19s	1.72um				5.4Msz
RIY	81.89	330	iPc	11	43.10	-0.4
SKO	81.94	323	iPc	11	44.50	0.6
	1.4s	310.00nm				6.1mb
Z	19s	1.55um				5.4Msz
		LR	51	24.00		
DLA	81.96	35	P	11	45.25	1.3
KNT	81.96	322	iP	11	44.29	0.2
LDN	81.97	35	P	11	44.70	0.7
LMQ	81.98	26	eP	11	43.50	-0.5
	0.6s	14.00nm				5.2mb
SOH	82.04	322	eP	11	44.64	0.1
PVY	82.04	325	iPc	11	44.43	-0.1
ZLA	82.04	334	iPc	11	44.90	0.5
MOF	82.10	335	P	11	44.96	0.2
VITF	82.11	336	P	11	44.96	0.3
ELL	82.14	315	iP	11	46.00	0.8
OUR	82.15	321	iP	11	45.50	0.5
OSS	82.19	333	iPc	11	46.00	0.7
BCI	82.19	324	eP	11	44.70	-0.5
HAU	82.19	336	eP	11	45.00	-0.1
	0.7s	55.10nm				5.7mb
Z	22s	0.77um				5.0Msz
BSF	82.22	335	eP	11	45.10	-0.3
	1.0s	50.00nm				5.5mb
VAL	82.26	347	iP	11	46.40	1.1
	0.8s	7.70nm				4.8mb
NKY	82.26	325	iPc	11	45.02	-0.7
PPCY	82.31	312	eP	11	46.50	0.6
BBS	82.33	335	P	11	45.89	0.0
GRG	82.35	322	iP	11	46.33	0.2
NWAO	82.35	207	eP	11	45.90	0.0
THE	82.36	322	eP	11	45.89	-0.2
BRY	82.37	326	iPc	11	45.46	-0.8
LLS	82.40	334	ePc	11	46.70	0.2
TTG	82.47	325	iPc	11	46.32	-0.3
VDL	82.58	333	ePc	11	47.90	0.5
PAIG	82.62	321	eP	11	47.20	-0.2
LOMF	82.64	335	P	11	47.93	0.4
SALJ	82.66	308	Pd	11	51.10	3.2X
SDA	82.69	325	iPd	11	48.40	0.7
CSTJ	82.76	307	Pc	11	49.00	0.6
UYO	82.76	48	iPd	11	48.20	-0.1
HCY	82.77	325	iPc	11	47.37	-0.8
BDV	82.77	325	iPc	11	47.48	-0.7
MASJ	82.85	308	P	11	48.70	-0.2
ULC	82.86	325	iPc	11	48.17	-0.6
OHR	82.92	323	iP	11	48.70	-0.4
	0.6s	150.00nm				6.3mb
FNA	82.94	323	iP	11	49.70	0.5
MIAR	82.94	48	ePc	11	48.94	-0.3
	0.9s	39.52nm				5.5mb
Z	20s	0.56um				4.9Msz
		e	12	04.13	53kmX	
		S	22	05.42		

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LACI	82.94	324	iPc	11	48.50	-0.6	AQU	0.6s	134.10nm	6.3mb	LESF	88.19	337	P	12	15.99	0.9				
HVAR	82.97	327	iPc	11	48.30	-0.9		84.83	329	P	11	59.50	0.8	PERF	88.23	336	P	12	15.68	0.3	
LIT	83.01	322	eP	11	48.56	-1.0		0.6s	133.00nm	6.3mb	EPF	88.45	338	eP	12	15.90	-0.5				
ELC	83.02	43	eP	11	49.34	-0.2	RRL	84.83	334	P	11	59.77	0.8		0.9s	29.65nm	5.6mb				
CME	83.04	344	eP	11	50.20	0.7	MAF	84.89	337	eP	12	00.00	1.1	PAND	88.58	337	P	12	18.03	0.8	
TMA	83.11	333	ePc	11	50.00	-0.2		0.6s	142.50nm	6.3mb	ENSF	88.66	338	P	12	18.59	1.0				
TIR	83.12	324	eP	11	50.00	0.0	TCF	84.93	338	eP	11	59.80	0.7	MEU	88.75	325	P	12	18.45	0.4	
CBM	83.20	25	eP	11	50.02	-0.3		0.8s	65.00nm	5.9mb		0.8s	29.70nm	5.7mb							
	0.3s	16.67nm	5.6mb				FIN	85.01	333	P	11	59.22	-0.4	CEH	88.84	37	eP	12	18.21	-0.1	
Z	20s	1.12um	5.2MsZ				DUI	85.03	328	P	12	00.35	0.6		1.1s	72.40nm	5.9mb				
RSNY	83.22	30	eP	11	50.36	-0.1		1.4s	88.30nm	5.8mb	JSC	89.23	40	iPd	12	20.77	0.6				
	1.9s	80.26nm	5.5mb				ROB	85.05	333	P	11	59.45	-0.3	LHS	89.26	39	ePd	12	20.93	0.6	
Z	19s	0.56um	5.0MsZ				DOI	85.06	334	P	11	58.70	-1.2	EGRA	89.40	338	eP	12	22.26	1.4	
FLN	83.33	340	eP	11	51.00	0.0		0.6s	54.40nm	5.9mb	ECRI	89.59	339	eP	12	21.82	-0.1				
	0.6s	117.95nm	6.2mb				MNS	85.07	329	P	11	59.54	-0.4	SGS	90.47	40	(P)	12	26.81	0.8	
Z	18s	0.75um	5.1MsZ					0.7s	181.10nm	6.4mb	ESEL	90.71	335	eP	12	28.39	1.4				
LDF	83.40	340	eP	11	51.30	0.0	PZZ	85.11	334	P	11	58.94	-1.2	ETOR	91.15	338	eP	12	29.29	0.1	
	0.6s	66.75nm	5.9mb				LMN	85.14	23	ePc	12	00.10	-0.1	EVIA	93.31	338	eP	12	39.86	0.7	
MMK	83.45	334	ePc	11	52.80	0.8	LSF	85.15	338	eP	12	00.80	0.6	EHUE	94.11	338	eP	12	43.22	0.4	
YSNY	83.50	33	eP	11	52.17	0.2		0.6s	76.85nm	6.1mb	ECOG	94.88	338	eP	12	46.18	-0.2				
	0.6s	25.61nm	5.5mb				SDI	85.23	328	P	12	00.56	-0.2	EPRU	95.60	340	eP	12	50.66	1.0	
Z	20s	0.87um	5.1MsZ					0.6s	77.50nm	6.1mb	BCAO	114.17	304	iPKPc	18	04.45	-0.2				
LOR	83.57	337	eP	11	52.20	-0.1	ENR	85.25	333	P	11	59.17	-1.7		0.9s	184.00nm					
	0.7s	67.25nm	5.9mb				MFF	85.26	339	eP	12	01.10	0.4			ic	18	57.10			
Z	20s	1.02um	5.2MsZ					0.6s	70.15nm	6.0mb	LSZ	122.48	281	iPKP	18	20.00	-0.2				
DIX	83.60	334	iPc	11	53.60	0.8	STV	85.27	333	P	11	59.08	-1.9			i	18	32.50			
EMS	83.76	335	ePc	11	54.10	0.6	SSPA	85.32	34	P	12	10.00	8.9X			i	19	55.00			
GRR	83.77	340	eP	11	53.70	0.5	Z	19s	0.07um	4.1MsZ				TIC	123.95	328	PKP	18	22.05	-1.0	
	0.6s	135.65nm	6.3mb				IMI	85.39	333	P	12	01.28	-0.2		1.0s	30.00nm					
LSK	83.79	323	iPc	11	53.30	-0.3	AUTN	85.46	333	P	12	02.35	0.3	KIC	124.11	328	ePKP	18	22.43	-0.9	
LBF	83.80	337	eP	11	53.40	-0.1	TOUF	85.50	333	P	12	02.46	0.2		0.7s	12.00nm					
	0.8s	68.75nm	5.9mb				RFI	85.52	328	P	12	02.32	0.3	LIC	124.34	328	PKP	18	22.81	-1.0	
RSM	83.81	330	P	11	54.93	1.5		1.4s	308.30nm	6.3mb		0.8s	13.50nm								
	1.4s	907.70nm	6.7mb				RMP	85.56	329	P	12	02.61	0.3	Z	21s	3.88um	6.0MsZ				
SSF	83.86	337	eP	11	53.80	0.1		0.6s	121.30nm	6.3mb	SLR	129.17	271	iPKPc	18	32.00	-0.9				
	0.5s	30.60nm	5.7mb				SBF	85.57	333	eP	12	02.20	-0.2		0.6s	38.00nm					
HYF	83.91	338	eP	11	54.50	0.5		0.6s	77.20nm	6.1mb		Z	20s	4.66um	6.2MsZ						
TPE	83.93	323	eP	11	50.30	-3.9X	AURF	85.59	333	P	12	01.98	-0.6	KSR	130.24	272	ePKP	18	33.00	-2.0	
RKG	83.94	206	eP	11	55.00	1.0	ORI	85.61	325	P	12	03.66	1.1		1.0s	40.00nm					
AGG	83.96	321	eP	11	53.40	-1.0		0.9s	279.80nm	6.5mb	BLF	132.67	269	ePKP	18	39.20	-0.3				
SHWJ	83.98	307	Pd	11	57.00	2.2	MVIF	85.64	333	P	12	03.11	0.2		0.6s	19.00nm					
VLO	84.00	324	eP	11	55.00	0.5	SGO	85.64	326	P	12	02.76	0.1	SPA	134.34	180	iPKPc	18	40.40	-1.0	
ARV	84.01	330	P	11	55.25	0.7		0.6s	15.50nm	5.4mb		1.3s	2.50nm								
	0.8s	176.40nm	6.3mb				CALN	85.85	334	P	12	04.30	0.4	LPZ	137.92	60	PKP	18	40.20	-10.2X	
SFI	84.03	330	P	11	55.79	1.2	MGR	85.90	326	P	12	03.62	-0.4			i	18	50.60			
	1.1s	167.90nm	6.1mb					0.8s	56.60nm	5.8mb			LR	06	11.00						
BOB	84.11	332	P	11	54.79	-0.3	TDS	85.99	325	P	12	04.67	0.2	LPB	138.12	60	ePKP	18	42.00	-8.5X	
	0.5s	96.80nm	6.2mb					0.9s	23.50nm	5.4mb		Z	20s	1.06um	5.6MsZ						
LPF	84.14	340	eP	11	55.70	0.6	RJF	86.02	338	eP	12	05.00	0.4			i	18	51.20			
	0.6s	74.65nm	6.0mb					1.0s	49.40nm	5.7mb			LR	06	12.00						
SMF	84.15	337	eP	11	55.50	0.3		Z	21s	1.58um	5.4MsZ			SUR	138.33	269	e(PKP)	18	46.00	-4.2X	
	0.8s	126.25nm	6.1mb				HRV	86.05	29	P	12	10.00	5.3X	CNCB	138.41	60	PKP	18	42.20	-9.0X	
AVF	84.15	337	eP	11	55.40	0.2		Z	20s	0.79um	5.1MsZ			CNCB	138.41	60	iPKP	18	50.60	-0.6	
	0.8s	95.35nm	6.0mb				FRF	86.10	334	eP	12	05.00	0.0			iPP	21	32.30			
LSD	84.23	334	P	11	56.65	0.7		0.8s	59.35nm	5.9mb			i	21	59.30						
CRE	84.25	330	P	11	56.75	0.9	LSCT	86.19	30	P	12	20.00	14.6X			iSKP	22	19.50			
	1.0s	81.60nm	5.9mb				Z	20s	0.78um	5.1MsZ			eSS	40	02.70						
SRN	84.28	323	eP	11	55.80	-0.1	CAF	86.22	337	eP	12	06.90	1.3	CCH	139.98	59	ePKP	18	54.00	0.3	
LPL	84.31	334	eP	11	57.00	0.7		0.6s	48.90nm	5.9mb			SIV	141.85	51	PKP	18	48.60	-8.1X		
	0.5s	31.80nm	5.7mb				PGF	86.23	332	eP	12	05.60	-0.2	SOB1	143.77	17	ePKP	18	57.20	-2.8	
LPG	84.32	334	eP	11	57.20	0.7		0.8s	48.10nm	5.8mb			YJA	143.93	63	ePKPd	18	59.00	-1.7		
	0.8s	60.70nm	5.8mb				LRG	86.28	334	eP	12	06.00	0.1	HJA	144.74	64	ePKPd	19	02.10	0.7	
FIR	84.37	331	eP	11	57.00	0.8		0.6s	55.90nm	6.0mb			SLA	145.75	66	ePKPd	19	03.50	0.2		
LBNH	84.39	28	iPc	11	57.79	1.4	Z	22s	0.95um	5.1MsZ			RTRS	146.54	78	e(PKP)	19	05.70	1.5		
	0.6s	13.05nm	5.3mb				LMR	86.35	334	eP	12	06.20	0.0	PEL	147.34	83	iPKP+	19	06.00	0.5	
Z	20s	0.82um	5.1MsZ					0.7s	76.95nm	6.0mb			BAO	147.79	32	PKPd	19	07.00	0.3		
IGT	84.42	323	eP	11	56.72	0.1		PNJ	86.52	31	iP	12	07.86	0.8			i	19	10.20		
RSP	84.48	334	P	11	56.20	-0.8	PAL	86.53	31	eP	12	04.56	-2.5			i	19	20.20			
ASS	84.48	329	P	11	57.43	0.5	LFF	86.57	338	eP	12	08.10	0.9			i	19	23.30			
	1.0s	89.90nm	5.9mb					0.7s	132.75nm	6.3mb			ZON	147.88	79	ePKP	19	11.00	4.6X		
MDRJ	84.50	306	Pc	11	54.90	-2.4	GRI	86.67	325	P	12	07.76	-0.2	CYA	148.01	72	ePKPc	19	06.50	-0.2	
BGF	84.50	337	eP	11	57.50	0.5		0.5s	57.00nm	6.1mb			RTCV	148.16	80	e(PKP)	19	07.50	0.7		
	0.6s	38.95nm	5.8mb				LPO	86.69	338	eP	12	09.20	1.4	MRA	150.45	78	e(PKP)	19	11.80	1.6	
PCP	84.61	333	P	11	57.02	-0.6		0.7s	67.25nm	6.0mb			SNA	150.49	199	e(PKP)	19	14.10	5.0X		
BRT	84.61	325	P	11	57.47	-0.1	NAV	86.90	38	eP	12	09.45	0.4		1.0s	88.00nm					
	0.6s	52.40nm	5.9mb				MYNC	87.24	41	eP	12	11.08	0.3	TCA	150.61	75	ePKP	19	11.40	0.7	
PII	84.67	331	P	11	57.43	-0.3		0.8s	22.31nm	5.5mb			PPD	151.99	43	ePKP	19	14.30	1.4		
	0.6s	29.70nm	5.7mb				Z	19s	0.67um	5.1MsZ					e	19	19.20				
BINY	84.72	32	iPd	11	58.37	0.3	CVL														

16d 02h

CCH 3.98 4 P 16 49.00 0.7
 CNCB 4.77 342 iPc 16 58.30 -0.1
 LPB 5.07 341 P 17 02.50 0.5
 LPAZ 5.31 342 P 17 04.50 -0.8
 SIV 7.37 44 P 17 30.80 -0.3
 S.D. = 0.7 on 6 of 6 obs.

? SEP 16, 1993 02h 51m 18.00± 3.04s
 44.999 N ± 9.1km 6.704 E ± 28.2km
 DEPTH = 10.0km (geophysicist)
 FRANCE (538)
 ML 1.8 (GEN).

RRL 0.10 144 P 51 21.17 0.3
 S 51 22.83
 RSP 0.42 69 P 51 26.63 0.0
 S 51 32.85
 LSD 0.56 35 P 51 29.51 0.0
 S 51 36.80
 PZZ 0.57 150 P 51 29.42 -0.2
 S 51 36.37
 S.D. = 0.4 on 4 of 4 obs.

* SEP 16, 1993 02h 59m 44.92± 0.78s
 22.104 S ± 7.3km 68.739 W ± 9.5km
 DEPTH = 120.0km (geophysicist)
 NORTHERN CHILE (123)

ANT 2.22 224 eP 00 21.70 0.1
 IS 00 47.50
 YJA 3.00 92 ePc 00 31.80 -0.6
 HJA 3.27 110 ePd 00 35.80 0.3
 CCH 5.30 28 P 01 04.20 0.9
 CNCB 5.31 8 P 01 04.00 0.2
 LPB 5.57 6 eP 01 07.00 -0.2
 e 01 31.00
 LPAZ 5.81 6 P 01 10.10 -0.6
 SIV 9.46 51 P 01 52.80 -6.8X
 S.D. = 0.6 on 7 of 8 obs.

? SEP 16, 1993 03h 51m 17.19± 3.08s
 11.844 N ± 38.9km 88.064 W ± 15.7km
 DEPTH = 33.0km (normal)
 4.4mb (4 obs.)
 OFF COAST OF CENTRAL AMERICA (76)
 MD 4.5 (GCG).

YUP 2.89 324 ePc 52 01.73 -0.4
 IS 52 37.64
 IXG 3.29 315 iPc 52 07.68 0.0
 IS 52 49.23
 LTX 22.67 322 eP 56 17.74 0.6
 PRM 22.74 12 eP 56 18.71 1.1
 UYO 22.97 346 iPc 56 20.20 0.3
 MIAR 23.15 348 eP 56 21.38 -0.2
 0.8s 25.06nm 4.8mb
 JSC 23.18 14 eP 56 21.41 -0.5
 TUL 24.96 345 iP 56 40.30 1.2
 ELC 25.35 358 eP 56 41.91 -0.9
 ACO 26.68 340 iPc 56 54.10 -1.1
 ALQ 28.42 327 eP 57 12.94 1.7
 0.8s 2.65nm 4.0mb
 PV10 32.38 328 eP 57 45.41 -0.9
 RSSD 34.98 340 eP 58 08.23 -0.5
 0.5s 4.04nm 4.6mb
 MCMT 39.13 332 eP 58 45.20 1.6
 GMW 45.96 328 eP 59 37.30 -1.6
 YKA 54.04 345 eP 00 40.00 -0.3
 1.0s 2.00nm 4.1mb
 S.D. = 1.1 on 16 of 16 obs.

SEP 16, 1993 03h 52m 20.79± 0.49s
 18.320 N ± 5.0km 146.815 E ± 11.1km
 DEPTH = 33.0km (normal)
 4.8mb (7 obs.)
 MARIANA ISLANDS (216)

PAGV 1.01 259 Pn 52 38.80 0.1
 Pg 52 39.30
 GUMO 5.06 202 eP 53 37.90 1.4
 0.7s 587.60nm 6.1mb X
 eS 54 36.80
 PJG 5.06 202 eP 53 38.40 1.9
 GUA 5.09 201 eP 53 36.90 0.0
 WKYJ 18.74 330 eP 56 39.40 0.2
 IIDJ 18.83 337 eP 56 41.20 0.8
 CHJJ 18.97 340 P 56 40.70 -1.2

TKSJ 19.33 326 eP 56 46.30 0.1
 TSRIJ 19.65 333 P 56 50.40 0.5
 MAT 19.67 339 (P) 56 48.00 -2.1
 0.7s 4.79nm 3.9mb
 eS 00 30.00

MTMJ 19.85 338 P 56 53.00 0.9
 NIIJ 20.06 342 P 56 53.90 -0.2
 KUMJ 20.18 318 eP 56 57.30 1.9
 SHNJ 21.08 321 eP 57 03.90 -0.7
 OFUJ 21.16 349 P 57 04.60 -0.9
 PMG 27.55 179 eP 58 06.00 -0.8
 BJI 34.14 316 eP 59 19.00 14.2X
 WB2 39.94 198 iPc 59 52.00 -1.9
 1.1s 20.10nm 4.8mb
 iS 05 41.50

ASPA 43.59 197 iPd 00 23.40 -0.3
 0.5s 12.30nm 4.9mb
 STK 50.16 186 iPc 01 13.60 -1.6
 0.8s 5.10nm 4.6mb
 NANU 50.86 218 eP 01 18.70 -2.0
 0.5s 11.00nm 5.1mb
 TOO 55.60 181 eP 01 55.30 -0.3
 1.1s 45.00nm 5.4mb

DMN 57.07 291 P 02 00.00 -6.8X
 YKA 77.82 28 eP 04 34.20 18.0X
 0.8s 2.70nm
 NEW 80.48 42 eP 04 31.50 0.5
 0.9s 5.26nm 4.5mb

ARUT 86.37 51 (P) 05 01.99 0.5
 MSU 87.05 50 (P) 05 04.98 0.1
 LPAZ 146.60 92 PKP 12 02.10 1.5
 LPB 146.67 92 ePKP 12 04.00 3.5X
 CNCB 146.82 93 PKP 12 04.50 3.6X
 CCH 148.65 93 ePKP 12 05.00 1.5
 S.D. = 1.2 on 26 of 31 obs.

* SEP 16, 1993 05h 17m 37.27± 2.32s
 35.057 N ± 27.4km 26.725 E ± 12.1km
 DEPTH = 68.2 ± 12.0 km
 4.1mb (3 obs.)

CRETE (370)
 MD 3.9 (ATH).

NPS 0.93 283 iPbd 17 53.00 -2.1
 VAM 2.10 280 ePn 18 12.70 1.9
 CIN 2.77 23 eP 18 21.00 0.9
 ELL 3.09 56 eP 18 25.00 0.2
 VLI 3.49 299 ePn 18 30.60 0.3
 EZN 4.77 356 eP 18 47.00 -1.3
 LPG 18.42 311 eP 21 51.10 1.5
 LPL 18.44 311 eP 21 50.90 1.1
 SMF 20.74 311 eP 22 14.10 -0.3
 LBF 20.81 312 eP 22 14.10 -1.0
 0.9s 8.70nm 4.1mb
 LOR 21.01 312 eP 22 16.20 -0.9
 AVF 21.11 311 eP 22 18.40 0.4
 0.8s 4.55nm 3.9mb
 SSF 21.13 312 eP 22 17.70 -0.6
 1.0s 13.20nm 4.2mb
 S.D. = 1.3 on 13 of 13 obs.

? SEP 16, 1993 05h 28m 07.63± 1.02s
 29.296 S ± 16.0km 176.977 W ± 18.5km
 DEPTH = 33.0km (normal)
 4.9mb (8 obs.) 4.7MsZ (1 obs.)
 KERMADEC ISLANDS REGION (177)

OUZ 9.93 231 P 30 36.00 5.0X
 URZ 10.20 207 P 30 27.10 -7.7X
 S 32 18.00
 THZ 14.90 211 eP 31 37.10 -0.5
 S 34 07.80
 DZM 16.58 292 iPd 32 06.20 7.0X
 ARMA 27.21 260 eP 33 53.00 2.5X
 0.9s 10.00nm 4.5mb
 CTA 34.52 277 iPc 34 56.80 1.7
 0.7s 81.85nm 5.8mb
 STK 35.61 255 iPc 35 05.00 0.8
 0.9s 4.50nm 4.4mb
 ASPA 44.07 265 eP 36 13.60 -0.9
 1.1s 13.70nm 4.7mb
 Z 19s 0.80nm 4.7MsZ
 WB2 44.95 271 iPc 36 20.90 -0.7
 0.5s 15.60nm 5.2mb
 WRA 44.96 271 P 36 21.40 -0.2
 0.9s 4.10nm 4.3mb
 CSY 56.53 208 eP 37 48.10 -0.6

0.7s 29.30nm 5.4mb
 SPA 60.87 180 iPc 38 20.50 1.4
 0.9s 18.64nm 5.2mb
 i 38 29.40

KAF 143.80 342 ePKP 47 38.50 -1.8
 OBN 144.75 327 iPKPc 47 42.00 -0.1
 1.2s 40.00nm

e 47 59.00
 NUR 145.57 341 iPKP 47 44.50 1.1
 0.6s 18.90nm

NB2 147.79 353 PKP 47 50.00 3.0X
 0.7s 2.50nm

HFS 148.33 350 ePKP 47 51.60 3.7X
 0.5s 3.10nm
 BCAO 151.23 214 iPKPc 48 01.00 7.3X
 0.8s 28.00nm

ic 48 09.10
 S.D. = 1.2 on 11 of 18 obs.

* SEP 16, 1993 05h 50m 36.38± 0.97s
 29.572 S ± 12.0km 177.144 W ± 15.1km
 DEPTH = 33.0km (normal)
 4.5mb (6 obs.)

KERMADEC ISLANDS, NEW ZEALAND (178)

RAO 0.75 295 iPc 50 52.00 1.5
 iS 51 00.00

OUZ 9.64 232 eP 53 01.20 5.3X
 THZ 14.59 211 P 54 02.90 0.6
 DZM 16.55 293 iPd 54 32.80 5.2X

WVZ 16.62 213 P 54 28.20 -0.1
 CTA 34.41 277 iPd 57 23.70 0.8
 0.6s 60.00nm 5.7mb X

STK 35.40 256 eP 57 31.70 0.5
 1.1s 6.10nm 4.4mb

ASPA 43.91 266 eP 58 40.90 -1.0
 1.2s 9.10nm 4.4mb

WB2 44.81 271 iPc 58 47.40 -1.8
 0.5s 8.80nm 4.9mb

WRA 44.82 271 P 58 48.00 -1.3
 0.8s 4.50nm 4.4mb

CSY 56.22 208 eP 00 14.70 -0.5
 0.5s 20.30nm 5.4mb

SPA 60.59 180 iPc 00 47.10 1.1
 1.0s 1.00nm 3.9mb

KAF 144.01 341 ePKP 10 05.20 -4.2X
 NUR 145.78 341 iPKP 10 11.30 -1.2
 0.5s 16.30nm

NB2 148.04 352 PKP 10 16.00 -0.2
 0.7s 2.10nm

HFS 148.57 350 ePKP 10 18.50 1.5
 0.4s 2.90nm

BCAO 150.92 214 iPKPd 10 27.90 5.9X
 0.8s 17.00nm
 ic 10 35.10

S.D. = 1.2 on 13 of 17 obs.

? SEP 16, 1993 06h 07m 25.10± 9.93s
 30.635 S ± 36.4km 72.347 W ± 75.5km
 DEPTH = 33.0km (normal)
 OFF COAST OF CENTRAL CHILE (134)

RTRS 2.54 80 iPd 08 05.00 0.2
 S 08 32.00

ZON 3.28 107 eP 08 16.00 0.6
 RTLL 3.40 103 ePc 08 16.20 -1.0
 S 08 54.00

RTCV 3.48 112 eP 08 19.00 0.6
 S 09 06.00

CFA 3.65 106 iPc 08 20.40 -0.3
 RFA 5.26 143 ePd 08 43.50 -0.1
 MRA 5.94 109 e(P) 08 49.90 -3.1X

S.D. = 0.8 on 6 of 7 obs.

* SEP 16, 1993 06h 36m 20.28± 0.88s
 14.133 N ± 12.9km 92.953 W ± 7.5km
 DEPTH = 33.0km (normal)
 4.4mb (13 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.02 41 iPd 36 40.40 2.1
 (S) 36 57.50

GCG 2.39 79 iPd 37 00.05 1.9
 iS 37 30.89
 iS 37 47.79

IXG 2.42 89 iPd 36 58.99 0.4
 iS 37 33.73

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_{SZ}). Each is a 25% trimmed mean of individual station values. Station magnitudes not used in the trimmed mean are marked with an X. This includes station magnitudes of either type which deviate significantly from the mean and surface-wave magnitudes determined from horizontal amplitudes. Body-wave magnitudes are computed according to the formula $\log(A/T) + Q$, derived by Gutenberg and Richter (1956), where A is the P-wave amplitude in micrometers, T is the period in seconds, and Q is the depth-distance factor. Surface-wave magnitudes are computed from the formula $\log(A/T) + 1.66 \log(\Delta) + 3.3$, where A is the maximum vertical surface-wave amplitude in micrometers, T is the period in seconds, and Δ is the epicentral distance in degrees. Surface-wave magnitudes are determined only for earthquakes whose focal depths (taking into account the computed standard deviations) are potentially less than 50 km, for stations having $20^\circ \leq \Delta \leq 160^\circ$, 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 RPPG represents PgPgPg.

References

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16d 06h

SCX 2.61 7 iP 37 03.20 2.2
iS 37 35.00
YUP 3.06 88 iPd 37 08.86 1.3
OXK 4.67 309 (P) 37 36.00 5.5X
IIT 7.07 314 (P) 38 07.00 2.6
PPM 7.32 313 (P) 38 09.20 1.0
IIA 7.40 313 iP 38 09.50 0.8
UNM 7.89 312 (P) 38 26.00 10.0X
CRX 8.31 310 (P) 38 26.00 4.3X
MRX 9.63 306 (P) 38 40.00 0.3
LTX 18.09 328 eP 40 31.28 0.4
UYO 19.99 356 iPc 40 49.20 -3.7X
MIAR 20.33 359 eP 40 53.62 -2.8
1.0s 31.15nm 4.6mb
TUL 21.83 354 iP 41 11.70 0.0
SGS 22.09 29 (P) 41 14.19 -0.1
MYNC 22.32 19 eP 41 15.67 -0.9
0.8s 12.91nm 4.4mb
JSC 22.68 26 eP 41 18.45 -1.6
LHS 23.04 26 eP 41 22.46 -1.2
ACO 23.14 347 iPd 41 23.70 -1.0
ALQ 24.04 332 eP 41 33.74 0.2
1.0s 7.94nm 4.2mb
TUC 24.34 321 eP 41 38.30 1.9
1.2s 11.69nm 4.3mb
CEH 24.99 27 eP 41 40.31 -2.1
0.7s 9.43nm 4.5mb
PV08 28.03 333 eP 42 11.35 0.5
ARUT 29.77 326 eP 42 26.51 0.2
RSSD 31.35 345 eP 42 39.29 -1.0
0.7s 4.35nm 4.4mb
HVV 32.47 332 eP 42 49.77 -0.3
MCMT 34.95 335 ePc 43 11.90 0.3
ULM 36.10 357 eP 43 21.00 0.1
LBFM 36.97 323 eP 43 28.26 -0.4
CBM 38.73 27 (P) 43 38.55 -4.5X
0.9s 7.48nm 4.5mb
FCC 44.56 359 eP 44 32.00 1.4
YKA 50.69 347 eP 45 16.90 -1.5
0.8s 13.10nm 5.0mb
BAO 53.39 122 eP 45 39.20 -0.3
SOB1 56.61 111 eP 46 02.10 -0.8
INK 60.05 344 eP 46 25.00 -1.0
0.9s 3.00nm 4.4mb
KLU 60.45 334 (P) 46 26.36 -2.6
FBA 62.76 337 eP 46 42.60 -1.8
0.9s 2.73nm 4.4mb
NB2 84.47 28 P 48 50.40 -0.5
0.9s 4.50nm 4.6mb
APO 85.89 28 eP 48 57.20 -0.7
0.6s 1.70nm 4.4mb
GEC2 90.09 39 PKP 49 18.70 0.3
0.8s 1.11nm 4.2mb
HYB 147.55 15 ePKP 56 03.50 2.6
S.D. = 1.4 on 38 of 43 obs.

? SEP 16, 1993 06h 41m 32.88± 0.91s
36.890 S ±26.3km 176.967 E ±41.8km
DEPTH = 282.1 ± 31.7 km
3.9mb (3 obs.)
OFF E. COAST OF N. ISLAND, N.Z. (160)

HBZ 1.28 124 P 42 12.20 -0.9
URZ 1.37 175 P 42 13.50 -0.2
S 42 43.90
FUZ 1.56 139 P 42 14.50 -0.5
S 42 45.10
NOZ 1.92 154 P 42 17.90 0.2
PAHZ 1.97 178 P 42 19.10 0.9
MOH 2.24 176 eP 42 21.20 0.7
TTH 2.65 182 P 42 25.40 1.2
WAHZ 2.85 190 P 42 26.40 0.1
MNG 3.90 197 P 42 36.90 -0.6
S 43 27.20
THZ 5.80 212 eP 42 59.80 -0.1
S 44 07.80
KHZ 6.12 205 P 43 03.40 -0.3
S 44 13.90
LTZ 6.91 210 P 43 12.50 -0.9
ASPA 39.14 277 iPd 48 35.50 0.4
0.4s 3.30nm 4.1mb
WB2 40.74 283 iPc 48 47.90 -0.3
0.4s 3.20nm 4.0mb
WRA 40.75 283 P 48 48.50 0.3
0.4s 0.80nm 3.4mb
S.D. = 0.7 on 15 of 15 obs.

SEP 16, 1993 06h 51m 34.16± 0.22s
25.348 S ± 5.1km 179.849 E ± 5.0km
DEPTH = 502.2km (3 depth phases)
5.0mb (23 obs.)
SOUTH OF FIJI ISLANDS (171)
Mw 5.3 (HRV).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 29C
Centroid Location:
Origin Time 06:51:38.1 0.7
Lat 25.26S 0.08 Lon 179.88E 0.06
Dep 506.9 3.6 Half-duration 1.2
Moment Tensor; Scale 10**16 Nm
Mrr= 5.84 0.39 Mtt= 0.13 0.91
Mff=-5.98 0.84 Mrt= 1.37 0.81
Mrf=-8.62 0.74 Mtf= 0.48 0.57
Principal Axes:
T Val= 10.48 Plg=62 Azm= 78
N 0.14 2 172
P -10.62 28 264
Best Double Couple: Mo=1.1*10**17
NP1:Strike= 0 Dip=17 Slip= 98
NP2: 172 73 88

RAO 4.37 153 iPd 52 57.00 0.6
eS 54 03.50
KUZ 11.90 196 P 54 15.00 2.4
HBZ 12.28 186 eP 54 17.60 0.9
DZM 12.71 282 iPc 54 20.90 -0.3
iS 56 42.00
PUZ 12.76 186 eP 54 22.40 0.7
S 56 35.70
URZ 13.08 190 P 54 23.90 -1.0
S 56 44.60
NOZ 13.32 186 P 54 26.70 -0.7
MOZ 13.80 197 eP 54 36.70 4.4X
PGZ 15.52 190 P 54 51.10 1.4
CAW 16.21 193 eP 54 57.30 0.7
TCW 16.49 195 P 54 59.70 0.4
QRZ 16.60 200 P 55 01.30 0.9
0.5s 330.00nm 6.2mb X
S 57 52.20
THZ 17.35 198 P 55 09.30 1.4
S 58 02.80
KHZ 17.80 195 P 55 12.90 0.8
S 58 09.50
LTZ 18.48 198 P 55 16.30 -2.4
WVZ 19.20 201 P 55 25.70 0.1
LMZ 20.26 203 P 55 35.70 0.0
BWZ 20.78 200 P 55 39.00 -1.5
MSZ 21.57 204 eP 55 48.20 0.4
ARMA 25.42 252 iPc 56 23.60 0.7
1.0s 186.00nm 5.6mb
CNB 28.03 242 iPd 56 47.30 1.6
0.9s 48.00nm 5.0mb
iPcP 59 25.50
CAN 28.32 242 eP 56 49.50 1.3
BWA 28.62 244 eP 56 49.30 -1.5
PPN 29.58 81 eP 56 57.10 -2.1
0.7s 36.20nm 5.0mb
TVO 29.66 81 eP 56 59.00 -1.0
1.1s 159.70nm 5.5mb
CTA 31.38 273 iPd 57 14.40 -0.2
0.4s 2096.19nm 7.0mb X
TOO 31.57 239 iPc 57 17.00 0.9
1.0s 165.00nm 5.5mb
PMO 31.90 77 eP 57 17.10 -1.9
1.3s 143.70nm 5.3mb
VAH 32.04 78 eP 57 18.10 -2.1
1.4s 162.10nm 5.4mb
TPT 32.15 78 eP 57 19.50 -1.6
1.5s 337.40nm 5.7mb
RUV 32.28 78 eP 57 20.30 -1.9
1.5s 374.00nm 5.7mb
STK 34.08 250 iPd 57 37.50 0.2
0.5s 18.10nm 4.9mb
eS 02 27.70
PMG 34.86 291 eP 57 43.00 -0.9
ADE 36.63 245 e(P) 57 57.20 -1.2
QIS 37.27 269 iPd 58 03.70 -0.1
eS 03 13.20
ASPA 41.69 262 iPc 58 40.20 0.5
0.6s 120.30nm 5.6mb
ePP 00 09.40
e 03 39.30
ePcS 04 20.40

eScS 07 46.80
WB2 42.18 268 iPc 58 42.60 -1.0
0.3s 118.20nm 5.9mb
e 04 24.30
WRA 42.19 268 P 58 42.79 -0.9
COOL 51.57 250 eP 59 53.00 -2.1
KLB 54.31 248 eP 00 13.00 -1.7
BAL 55.38 249 eP 00 20.40 -1.8
MUN 55.54 247 eP 00 21.00 -2.3
MRWA 56.27 251 eP 00 27.00 -1.4
NANU 58.34 258 eP 00 41.70 -0.9
0.6s 22.00nm 4.7mb
CSY 58.76 206 eP 00 44.30 -0.6
0.7s 37.10nm 4.9mb
SPA 64.80 180 iPc 01 25.00 0.6
0.9s 39.55nm 5.0mb
BCH 82.78 46 (P) 03 07.26 1.2
ARN 83.21 43 eP 03 08.35 0.3
KMFM 83.62 40 ePd 03 11.33 1.2
PLM 83.83 49 eP 03 12.01 0.5
ISA 84.12 46 eP 03 13.23 0.5
0.7s 10.51nm 4.6mb
CMB 84.34 43 eP 03 13.83 0.1
0.7s 5.02nm 4.3mb
e 04 15.58
ORV 84.61 42 eP 03 14.91 0.0
LGFM 84.69 40 ePc 03 15.97 0.5
CN2 84.97 324 eP 03 16.30 -0.2
1.2s 12.00nm 4.4mb
LBFM 85.51 40 eP 03 19.75 0.2
BONR 85.60 44 eP 03 20.64 0.5
TNP 86.36 45 eP 03 23.59 -0.1
0.7s 8.66nm 4.6mb
TUC 87.50 52 eP 03 31.02 1.9
0.7s 8.01nm 4.6mb
epP 05 23.19 502km
BJI 87.98 316 eP 03 31.50 0.5
2.0s 32.00nm 4.8mb
SHW 88.42 36 eP 03 34.10 1.0
ARUT 88.64 47 eP 03 35.60 1.2
LON 89.00 36 ePd 03 35.62 0.0
GMW 89.00 35 eP 03 36.07 0.5
TIY 89.07 313 eP 03 37.70 1.5
RMW 89.46 35 ePc 03 37.86 0.1
XAN 89.52 308 P 03 39.50 1.2
1.2s 13.00nm 4.7mb
MCW 89.71 34 eP 03 39.49 0.7
MSU 89.88 47 ePc 03 40.96 0.9
CHTO 90.06 291 eP 03 42.60 1.6
HVV 91.28 44 eP 03 46.29 -0.1
SRU 91.28 47 ePc 03 46.51 0.0
LTX 91.31 58 eP 03 47.15 0.4
epP 05 40.76 506km
DAU 91.50 45 ePc 03 47.66 0.0
CD2 91.76 303 P 03 49.60 0.9
PV09 91.89 48 ePc 03 49.34 -0.1
ALQ 91.95 52 ePd 03 50.00 0.3
0.7s 2.24nm 4.3mb
epP 05 42.13 498km
PV08 92.26 48 eP 03 51.05 -0.1
UPP 143.36 345 ePKP 10 05.00 -6.6X
NB2 143.48 351 PKP 10 07.00 -4.9X
0.7s 5.40nm
HFS 143.93 348 ePKP 10 09.30 -3.3X
0.4s 11.50nm
KSP 151.58 338 iPKPc 10 31.80 6.9X
e 12 32.70
CLL 152.19 342 iPKP 10 31.90 6.1X
0.7s 9.00nm
BCAO 152.54 224 ePKPc 10 27.10 -0.3
0.8s 14.00nm
id 10 48.30
ic 12 30.00
S.D. = 1.1 on 78 of 84 obs.

* SEP 16, 1993 07h 15m 32.30± 1.23s
39.079 N ± 7.6km 27.699 E ±15.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.76 207 ePg 15 47.20 0.0
eSg 16 01.00
EDC 1.27 6 ePn 15 56.00 0.1
BNT 1.29 8 ePn 15 56.00 -0.2
EZN 1.30 305 ePn 15 56.30 0.0
KGT 1.40 348 iPn 15 58.00 0.1

16d 07h

S.D. = 0.1 on 5 of 5 obs.
 * SEP 16, 1993 07h 19m 18.11± 4.23s
 43.334 N ±17.1km 128.391 W ±30.0km
 DEPTH = 10.0km (geophysicist)
 OFF COAST OF OREGON (30)

RNO	3.43	79 P	20 12.09	-0.6
MPOR	3.69	70 P	20 15.50	-1.0
DBO	3.77	92 P	20 17.56	0.0
HSO	3.87	85 P	20 18.80	-0.2
TKO	4.08	58 P	20 21.49	-0.5
KMOR	4.19	55 P	20 23.17	-0.4
FBO	4.32	75 P	20 25.62	0.2
HBO	4.44	81 P	20 27.53	0.4
NLO	4.47	50 P	20 27.38	-0.1
SSOR	4.53	68 P	20 28.55	0.1
GT2	4.76	65 P	20 31.98	0.3
PGO	4.76	61 P	20 32.17	0.6
BMW	4.83	48 eP	20 31.66	-0.9
RWV	4.91	53 P	20 33.66	0.0
TCO	4.98	79 P	20 35.19	0.3
BPO	5.01	72 P	20 35.76	0.4
TDH	5.12	65 P	20 37.13	0.3
MTMW	5.16	56 P	20 37.43	0.1
FL2	5.17	54 P	20 37.63	0.2
VBEM	5.19	68 P	20 38.00	0.2
CZM	5.21	51 P	20 37.33	-0.6
ERK	5.23	53 P	20 37.25	-1.1
SHW	5.23	55 eP	20 38.24	-0.1
VLL	5.26	64 P	20 39.22	0.5
STD	5.26	54 P	20 38.89	0.1
YEL	5.27	55 P	20 39.17	0.2
OOW	5.30	32 P	20 39.39	0.1
CDFW	5.31	56 P	20 39.55	0.2
SOSW	5.31	55 P	20 40.55	1.0
TDL	5.33	53 P	20 39.80	0.1
APM	5.36	61 P	20 40.26	0.1
LMW	5.46	50 P	20 41.39	-0.2
GULW	5.50	60 P	20 42.99	0.9
ASR	5.60	57 P	20 43.78	0.2
VIPM	5.74	76 P	20 44.94	-0.6
LON	5.78	52 eP	20 45.93	-0.1
RVC	5.80	49 P	20 46.33	0.0
REMR	5.80	51 P	20 46.51	0.1
FMW	5.96	51 P	20 48.56	-0.1
GL2	6.00	61 P	20 49.14	0.0
RMW	6.20	46 eP	20 51.57	-0.4
MCW	6.60	34 (P)	20 57.84	0.3
JCW	6.63	41 P	20 58.44	0.4
RFW	7.01	41 P	21 03.38	0.0

S.D. = 0.5 on 44 of 44 obs.

% SEP 16, 1993 07h 23m 08.99± 0.98s
 39.998 N ±11.2km 0.623 W ±13.0km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)
 mbLg 3.2 (MDD).

ECHE	0.49	213 eP	23 18.82	-0.1
		eS	23 28.40	
EROQ	1.14	43 eP	23 29.21	-1.1
		eS	23 43.40	
EBR	1.18	46 ePg	23 31.00	0.0
		eSg	23 46.00	
ETOR	1.37	307 eP	23 32.86	-1.3
		eS	23 51.60	
EVIA	1.99	228 eP	23 43.63	0.4
		eS	24 09.00	
EGRA	2.21	6 eP	23 48.18	2.0
		eS	24 15.30	

S.D. = 1.6 on 6 of 6 obs.

% SEP 16, 1993 07h 44m 57.61± 0.94s
 39.127 N ± 6.6km 27.654 E ±11.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

IZM	0.79	203 iPg	45 13.00	0.0
		eSg	45 25.00	
EDC	1.23	7 ePn	45 21.00	0.6
EZN	1.24	305 iPn	45 20.80	0.1
BNT	1.24	9 ePn	45 20.00	-0.7
KCT	1.24	26 ePn	45 21.00	0.3
KGT	1.35	349 ePn	45 22.50	0.1
MFT	1.68	350 ePn	45 27.00	-0.3

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

SEP 16, 1993 08h 52m 42.24± 0.62s
 21.416 S ± 6.5km 67.047 W ± 8.1km
 DEPTH = 214.2 ± 8.3 km
 4.4mb (4 obs.)
 CHILE-BOLIVIA BORDER REGION (124)

CCH	4.10	12 F	53 47.20	0.5
CNCB	4.66	349 iPd	53 55.30	1.4
		S	54 49.00	
LFB	4.96	348 iPd	53 59.10	1.6
		1.0s 396.00nm		
		S	54 55.20	
LPAZ	5.20	348 iPd	54 01.20	0.4
		S	54 59.70	
ARE	6.48	319 iPd	54 14.00	-2.9
		iS	55 22.50	
CYA	7.09	171 ePc	54 25.00	0.5
SIV	7.82	47 F	54 32.50	-1.6
RTRS	8.98	194 e(P)	54 50.00	1.0
TCA	10.12	168 iPd	55 02.50	-1.4
NNA	13.26	313 iPd	55 42.50	-1.2
		0.7s 20.55nm		4.6mb
		i	55 47.50	
		eS	58 06.50	
RSTA	16.89	104 eP	56 28.10	0.3
VAO	18.66	99 eP	56 46.40	-0.2
CACB	18.90	95 eP	56 49.20	0.0
BAO	18.95	76 Pd	56 50.00	0.3
		i	56 52.80	
SOB1	27.94	68 eP	58 14.90	0.0
MIAR	61.10	335 ePd	02 35.57	-0.3
		0.5s 2.42nm		4.2mb
UYO	61.12	334 iPd	02 35.90	-0.1
FVM	63.04	339 ePd	02 48.25	-0.4
		0.5s 16.55nm		5.1mb
LIC	66.70	73 P	03 12.00	-0.6
KIC	67.02	73 P	03 14.40	-0.2
ALQ	67.39	326 eP	03 17.00	0.3
		0.9s 2.42nm		3.9mb
BONR	76.19	321 eP	04 11.26	2.5

S.D. = 1.2 on 22 of 22 obs.

? SEP 16, 1993 09h 30m 36.52± 1.11s
 31.192 S ±26.9km 68.330 W ±23.6km
 DEPTH = 100.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)

RTLL	0.18	221 iPc	30 50.70	-0.5
		S	31 02.00	
CFA	0.42	169 iPc	30 52.20	0.2
		S	31 04.20	
RTCB	0.50	234 ePd	30 53.00	0.4
		S	31 05.20	
RTCV	0.69	195 e(P)	30 54.00	-0.1
		(S)	31 08.00	
RTPR	1.80	61 eP	31 07.00	0.1
		S	31 29.00	

S.D. = 0.5 on 5 of 5 obs.

% SEP 16, 1993 09h 34m 36.73± 0.79s
 39.657 N ± 9.2km 29.494 E ± 7.7km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

ALT	0.77	141 ePg	34 51.70	-0.1
		eSg	35 03.70	
EYL	1.04	29 ePn	34 56.50	0.1
KCT	1.06	304 iPn	34 56.00	-0.6
BNT	1.40	301 ePn	35 02.00	-0.2
EDC	1.43	299 ePn	35 03.00	0.3
KGT	1.86	296 iPn	35 09.50	0.6

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

? SEP 16, 1993 09h 46m 51.13± 1.07s
 29.819 S ±19.3km 178.213 W ±20.1km
 DEPTH = 33.0km (normal)
 5.0mb (7 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)

RAO	0.62	25 iPc	47 05.50	2.1
		iS	47 17.00	
OUZ	8.76	230 P	49 00.60	2.1
URZ	9.27	203 eP	48 53.10	-12.4X
		S	50 33.30	

THZ	13.92	209 eP	49 58.10	-10.1X
		S	52 21.30	
DZM	15.80	296 iPc	50 46.90	14.0X
WVZ	15.92	211 eP	50 24.60	-9.6X
TOO	31.03	246 eP	53 07.50	-0.5
		0.8s 22.00nm		5.0mb
CTA	33.53	279 iPc	53 31.80	1.8
		0.5s 303.87nm		6.5mb X
STK	34.44	256 iPc	53 37.90	0.2
		1.2s 8.70nm		4.6mb
ASPA	42.96	266 iPc	54 48.40	-0.6
		0.6s 10.20nm		4.7mb
WB2	43.88	272 iPc	54 55.10	-1.3
		0.3s 34.90nm		5.6mb
		i	54 56.80	
WRA	43.89	272 P	54 55.70	-0.8
		0.6s 8.40nm		4.7mb
CSY	55.57	208 iPd	56 18.80	-6.5X
		0.8s 30.10nm		5.4mb
SPA	60.35	180 iPd	56 59.70	0.6
		0.8s 17.50nm		5.2mb
KAF	143.94	341 iPKP	06 18.40	-5.6X
		0.5s 8.10nm		
OBN	144.58	326 iPKPc	06 21.50	-3.8X
		0.8s 23.00nm		
NUR	145.70	340 ePKP	06 24.10	-3.0
NB2	148.15	351 PKP	06 29.70	-1.4
		0.8s 4.20nm		
BCAO	150.19	215 iPKPd	06 36.50	0.9
		0.5s 10.00nm		
		id	06 42.10	

S.D. = 1.7 on 12 of 19 obs.

& SEP 16, 1993 09h 49m 59.07s
 59.878 N 153.519 W
 DEPTH = 132.0km
 SOUTHERN ALASKA (2)
 <AEIC>.

OPT	0.27	147 iPc	50 16.90	0.9
		eS	50 31.28	
INE	0.29	51 ePc	50 17.04	0.8
		eS	50 31.56	
ILIM	0.35	54 ePc	50 16.91	0.6
		eS	50 31.69	
PDB	0.35	255 iPd	50 16.75	0.5
		eS	50 30.72	
AUL	0.50	175 ePc	50 17.82	-0.8
AUW	0.51	177 ePc	50 17.80	-0.8
AUH	0.52	176 eP	50 17.99	-0.8
AUP	0.52	174 eP	50 18.13	-0.7
AGU	0.52	175 eP	50 18.37	-0.5
AUE	0.53	172 ePc	50 17.80	-0.9
AUI	0.55	175 eP	50 18.10	-0.8
		eS	50 33.34	
RED	0.66	34 eP	50 18.88	-0.9
		eS	50 34.57	
RDW	0.70	30 eP	50 19.37	-0.8
NCT	0.75	23 ePd	50 19.66	-0.7
		eS	50 35.57	
DFR	0.83	30 ePd	50 20.16	-0.9
		eS	50 37.30	
RDT	0.89	38 ePd	50 20.72	-0.8
		eS	50 37.29	
CDD	0.95	184 iPc	50 20.85	-1.2
		eS	50 38.13	
HOM	0.97	102 eP	50 21.37	-0.8
		eS	50 38.77	
XLV	1.01	114 eP	50 21.26	-1.2
		eS	50 38.76	
CNPM	1.21	106 iPc	50 23.19	-1.3
		eS	50 41.53	
BRLK	1.34	94 eP	50 24.76	-1.1
		eS	50 43.89	
BKG	1.35	27 iPd	50 25.39	-0.7
		eS	50 46.33	
SYI	1.40	155 iPc	50 24.99	-1.5
		eS	50 45.06	
NKA	1.43	52 eP	50 27.84	1.0
CKT	1.48	25 eP	50 26.78	-0.7
SPU	1.50	28 eP	50 26.84	-0.8
BGL	1.50	21 eP	50 27.27	-0.5
CP2	1.53	24 eP	50 27.61	-0.6
CRP	1.55	25 eP	50 27.36	-1.0
		eS	50 50.43	
SVW	1.61	321 eP	50 27.80	-1.2
CGLM	1.62	27 ePd	50 28.35	-0.7

16d 09h

NCG	1.67	23	eP	50	29.38	-0.4
SLKM	1.76	68	eP	50	29.74	-1.0
SEW	2.06	82	eP	50	32.85	-1.4
SUA	2.10	39	ePd	50	34.05	-0.9
MPA	2.17	72	eP	50	34.84	-0.8
KDC	2.20	166	eP	50	32.68	-3.4
			eS	50	58.72	
SKT	2.32	24	eP	50	36.72	-0.9
PMS	2.39	53	eP	50	36.90	-1.6
PTE	2.44	64	eP	50	37.03	-2.1
PWA	2.52	44	eP	50	39.00	-1.1
PLRM	2.76	50	eP	50	41.56	-1.6
PMR	2.76	50	eP	50	39.97	-3.2
			eS	51	12.83	
PWL	2.76	67	eP	50	40.67	-2.5
GHO	2.95	48	eP	50	42.90	-2.8
CUT	2.99	30	eP	50	44.88	-1.3
CFI	3.13	63	eP	50	46.17	-1.8
SML	3.19	50	eP	50	46.15	-2.8
SCM	3.61	54	eP	50	51.74	-2.8
KLU	4.07	63	iPc	50	57.92	-2.8
TOA	4.22	55	eP	51	00.60	-2.0
BALM	5.65	73	ePc	51	20.16	-1.9
FBA	5.70	25	eP	51	20.20	-2.4

53 obs. associated

* SEP 16, 1993 09h 54m 23.88s
58.202 N 151.687 W
DEPTH = 3.1km
KODIAK ISLAND REGION (13)
<AEIC>. ML 4.0 (AEIC), 4.3 (PMR).

SYI	0.55	318	iP	54	35.09	0.2
KDC	0.63	224	iPc	54	36.21	-0.2
			eS	54	44.78	
XLV	1.26	359	iP	54	46.32	-1.5
			eS	55	03.06	
CDD	1.26	306	iP	54	46.19	-1.7
			eS	55	03.42	
CNPM	1.35	10	iP	54	47.35	-2.1
AUI	1.45	322	eP	54	49.08	-2.0
			eS	55	10.02	
AUE	1.46	324	eP	54	49.58	-1.5
HOM	1.46	1	iP	54	49.29	-1.9
AUP	1.47	323	eP	54	49.43	-2.0
AGU	1.47	323	eP	54	49.85	-1.6
			eS	55	10.63	
AUH	1.48	323	eP	54	49.70	-1.8
AUL	1.49	323	eP	54	50.07	-1.5
AUW	1.50	322	eP	54	49.79	-1.8
BRLK	1.62	14	eP	54	50.86	-2.6
OPT	1.66	332	eP	54	52.40	-1.6
ILIM	1.99	341	iP	54	56.36	-2.5
INE	1.99	340	iP	54	56.34	-2.7
			eS	55	23.58	
PDB	2.05	322	iP	54	56.71	-3.0
SEW	2.23	30	eP	54	58.17	-4.0
RED	2.29	346	iP	55	00.11	-3.2
REF	2.35	348	eP	55	01.09	-3.1
RDW	2.36	346	eP	55	01.22	-3.1
RDT	2.41	352	iP	55	01.27	-3.6
SLKM	2.43	17	iP	55	01.49	-3.7
NCT	2.45	345	eP	55	02.49	-3.0
DFR	2.45	348	eP	55	02.11	-3.4
NKA	2.56	5	eP	55	04.90	-2.0
MPA	2.59	26	eP	55	03.95	-3.3
BKG	2.89	354	eP	55	07.81	-4.0
SPU	3.00	357	eP	55	09.49	-3.7
PTE	3.00	26	eP	55	09.03	-4.1
CKT	3.02	355	eP	55	09.68	-3.9
CKL	3.02	354	eP	55	10.39	-3.2
MID	3.04	64	P	55	09.80	-3.9
CRP	3.08	356	eP	55	10.30	-4.2
CP2	3.09	355	eP	55	10.64	-3.9
BGL	3.09	354	eP	55	11.09	-3.5
CGLM	3.12	357	eP	55	11.06	-3.9
PWL	3.17	31	eP	55	11.50	-4.0
NCG	3.22	356	eP	55	12.79	-3.6
PMS	3.24	19	P	55	12.60	-4.0
SVW	3.53	327	eP	55	16.95	-3.9
			eS	56	11.30	
PWA	3.58	14	eP	55	18.00	-3.4
PMR	3.64	20	ePn	55	17.01	-5.2
			eS	56	14.88	
CVA	3.84	50	eP	55	20.58	-4.6
SML	3.99	24	eP	55	23.12	-4.2

SCM	4.25	29	iP	55	27.14	-3.8
KLU	4.40	39	eP	55	28.28	-4.9
TOA	4.79	33	P	55	34.50	-4.2
WAX	5.05	60	eP	55	37.61	-4.8
GLB	5.13	47	eP	55	38.36	-5.2
TGL	5.19	57	eP	55	38.69	-5.7
TTA	5.20	338	eP	55	39.86	-4.6
BALM	5.53	55	eP	55	43.60	-5.6
YAH	5.54	63	eP	55	44.22	-5.2
SDN	5.63	243	eP	55	48.16	-2.3
FBA	6.97	14	eP	56	03.29	-6.1
INK	12.95	31	eP	57	42.50	11.2

58 obs. associated

? SEP 16, 1993 10h 03m 08.14± 4.57s
43.825 N ±23.0km 7.096 E ±23.8km
DEPTH = 10.0km (geophysicist)
NEAR SOUTH COAST OF FRANCE (379)

STV	0.45	21	P	03	17.23	-0.1
			S	03	25.83	
ENR	0.46	30	P	03	17.50	-0.1
IMI	0.58	81	P	03	19.80	-0.1
PZZ	0.68	0	P	03	21.76	0.0
ROB	0.73	50	P	03	22.87	0.3

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

* SEP 16, 1993 10h 21m 59.92± 1.06s
29.874 S ±10.9km 177.244 W ±16.8km
DEPTH = 33.0km (normal)
4.5mb (5 obs.) 4.3Msz (1 obs.)
KERMADEC ISLANDS, NEW ZEALAND (178)

RAO	0.85	316	iPc	22	15.00	-0.5
			iS	22	28.90	
OUZ	9.39	233	eP	24	23.60	7.7X
URZ	9.58	208	eP	24	15.00	-3.6X
			S	26	07.00	
THZ	14.29	211	eP	25	20.50	-1.4
KHZ	14.55	208	eP	25	21.20	-4.0X
			S	27	56.90	
DZM	16.59	294	iPc	25	56.10	4.4X
BKM	17.98	309	iPc	26	09.80	0.8
MSZ	18.86	214	eP	26	19.00	-0.6
ARMA	26.88	261	eP	27	42.40	2.6
	0.7s	9.00nm			4.5mb	
CTA	34.37	278	eP	28	45.90	-0.2
	0.6s	64.33nm			5.7mb X	
			e	28	57.90	
STK	35.24	256	iPc	28	54.80	1.4
	3.5s	4.80nm			3.8mb X	
ASPA	43.80	266	iPd	30	03.80	-0.7
	0.6s	8.80nm			4.7mb	
Z	20s	0.40um			4.3Msz	
WB2	44.72	271	iPd	30	10.70	-1.3
	0.5s	17.30nm			5.2mb	
			i	30	25.90	
WRA	44.73	271	P	30	11.20	-0.9
	0.7s	4.10nm			4.4mb	
CSY	55.91	208	eP	31	37.10	0.6
	0.4s	30.10nm			5.7mb X	
SPA	60.29	180	iPc	32	09.10	1.6
	0.9s	0.45nm			3.6mb	
KAF	144.27	341	ePKP	41	29.80	-3.6X
NUR	146.04	341	iPKP	41	34.80	-1.6
	0.6s	13.80nm				
NB2	148.33	352	PKP	41	39.80	-0.4
	0.7s	4.60nm				
HFS	148.85	349	ePKP	41	41.70	0.7
	0.4s	2.70nm				
BCAO	150.62	214	iPKPd	41	50.80	5.7X
	0.9s	9.00nm				
			id	41	58.00	

S.D. = 1.3 on 15 of 21 obs.

SEP 16, 1993 10h 27m 44.20± 0.75s
38.521 N ± 7.5km 28.711 E ± 6.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

KHL	0.67	107	iPg	27	57.40	-0.1
			eSg	28	08.00	
CIN	1.04	208	ePg	28	05.00	1.1
			iSg	28	18.00	
IZM	1.14	264	iPn	28	04.00	-1.6
ALT	1.22	64	ePn	28	06.20	-0.7

KCT	1.75	351	iPn	28	15.00	0.3
BNT	1.93	342	ePn	28	18.00	0.6
EDC	1.94	340	ePn	28	18.00	0.5

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

* SEP 16, 1993 10h 37m 59.61s
58.200 N 151.668 W
DEPTH = 1.3km
KODIAK ISLAND REGION (13)
<AEIC>. ML 2.5 (AEIC), 3.3 (PMR).

SYI	0.56	318	eP	38	11.69	0.9
KDC	0.63	224	iPc	38	12.50	0.3
XLV	1.26	359	eP	38	22.48	-1.3
CDD	1.27	306	eP	38	22.46	-1.5
			eS	38	39.11	
CNPM	1.35	9	iP	38	23.36	-2.0
			eS	38	42.79	
AUI	1.46	322	eP	38	25.93	-1.2
			eS	38	45.04	
HOM	1.46	0	eP	38	25.32	-1.8
AUL	1.50	323	eP	38	28.01	0.3
BRLK	1.62	14	eP	38	28.76	-0.6
			eS	38	51.10	
OPT	1.67	332	eP	38	29.77	-0.3
ILIM	2.00	341	eP	38	32.31	-2.6
PDB	2.06	322	eP	38	34.61	-1.1
SEW	2.23	30	eP	38	34.41	-3.7
RED	2.30	346	eP	38	36.34	-2.9
REF	2.36	347	eP	38	40.60	0.4
RDT	2.41	351	eP	38	37.28	-3.6
SLKM	2.43	17	eP	38	37.65	-3.5
DFR	2.46	348	eP	38	38.12	-3.4
NCT	2.46	345	eP	38	38.46	-3.1
BKG	2.90	354	eP	38	43.97	-3.8
SPU	3.00	356	eP	38	46.07	-3.1
CKL	3.03	354	eP	38	47.63	-2.0
PWL	3.16	31	eP	38	47.38	-4.1
NCG	3.22	356	eP	38	49.02	-3.4
PMS	3.24	18	eP	38	48.50	-4.0
SVW	3.54	327	eP	38	58.70	1.8
PWA	3.58	14	eP	38	57.10	-0.2
PMR	3.64	20	eP	38	56.00	-2.1
VLZ	4.00	40	eP	38	59.00	-4.2
KLU	4.39	39	eP	39	04.80	-4.2

30 obs. associated

* SEP 16, 1993 10h 41m 48.11± 0.92s
39.147 N ± 6.6km 27.608 E ±11.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

IZM	0.80	200	iPg	42	03.50	-0.1
			eSg	42	16.00	
EZN	1.20	305	iPn	42	10.90	0.4
EDC	1.21	9	ePn	42	10.00	-0.7
BNT	1.23	11	ePn	42	11.00	0.0
KCT	1.24	27	iPn	42	12.00	0.8
KGT	1.32	350	iPn	42	12.50	0.0
MFT	1.66	351	ePn	42	17.00	-0.4

S.D. = 0.6 on 7 of 7 obs.

* SEP 16, 1993 10h 47m 37.38± 1.47s
13.745 N ±19.8km 92.861 W ± 8.9km
DEPTH = 33.0km (normal)
4.3mb (5 obs.)
OFF COAST OF CHIAPAS, MEXICO (68)
MD 4.9 (GCG).

TPX	1.29	27	iP	48	02.00
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16d 10h

0.6s 4.05nm 4.1mb
ALQ 24.42 332 eP 52 53.55 -0.8
0.8s 2.16nm 3.8mb
PV08 28.41 333 (P) 53 31.31 -0.1
PV10 28.42 333 eP 53 32.20 0.8
ePcP 56 33.77
SRU 29.69 332 (P) 53 43.69 0.9
MCMT 35.34 335 eP 54 32.40 0.4
YKA 51.08 347 eP 56 36.10 -2.4
0.8s 4.30nm 4.5mb
INK 60.45 344 eP 57 44.50 -1.3
1.3s 8.00nm 4.7mb
WRA 134.52 255 PKP 06 57.00 2.1
0.9s 0.20nm
GBA 151.18 20 PKP 07 33.00 9.4X
S.D. = 1.6 on 18 of 21 obs.

% SEP 16, 1993 10h 55m 40.29± 0.89s
44.463 N ± 8.3km 7.675 E ± 4.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.0 (GEN).

ROB 0.22 140 P 55 45.23 0.2
S 55 48.43
ENR 0.30 218 P 55 46.54 0.0
S 55 50.41
STV 0.33 229 P 55 47.19 0.0
S 55 51.41
PZZ 0.41 276 P 55 48.79 0.0
S 55 54.75
FIN 0.46 123 P 55 49.40 -0.2
S 55 55.39
IMI 0.57 164 P 55 52.05 0.1
PCP 0.63 82 P 55 53.00 0.1
S 56 01.57
S.D. = 0.2 on 7 of 7 obs.

? SEP 16, 1993 11h 08m 42.34± 2.43s
14.019 N ± 30.9km 92.880 W ± 16.0km
DEPTH = 33.0km (normal)
4.1mb (1 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.07 34 iP 09 01.80 0.8
IXG 2.36 86 eP 09 20.61 0.9
SCX 2.71 5 iP 09 28.00 3.5X
(S) 10 02.30
YUP 2.99 86 eP 09 27.85 -0.9
LTX 18.22 328 (P) 13 01.46 6.9X
MIAR 20.45 358 eP 13 17.87 -1.8
ALQ 24.17 332 (P) 13 58.00 1.1
MCMT 35.09 335 eP 15 36.00 1.2
YKA 50.81 347 eP 17 40.10 -1.3
0.9s 2.10nm 4.1mb
S.D. = 1.6 on 7 of 9 obs.

? SEP 16, 1993 11h 46m 23.19± 1.02s
26.072 S ± 11.6km 27.690 E ± 8.3km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)

SLR 0.63 58 eP 46 36.00 0.2
S 46 48.00
KSR 0.74 286 eP 46 37.50 -0.6
S 46 48.50
SEK 2.24 181 eP 47 01.00 -0.7
S 47 25.00
SWZ 2.39 242 eP 47 05.00 1.2
S 47 32.00
S.D. = 1.5 on 4 of 4 obs.

% SEP 16, 1993 11h 58m 26.58± 1.17s
31.382 S ± 14.1km 68.576 W ± 15.0km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTCB 0.22 241 iPd 58 41.50 0.1
S 58 53.00
CFA 0.36 128 iPc 58 42.20 0.4
S 58 54.20
RTCV 0.48 176 iPd 58 43.00 0.5
S 58 55.00
RTPR 2.08 59 eP 59 00.00 -0.6
MRA 2.65 114 e(P)d 59 08.70 0.4
S 59 39.60
RFA 3.38 178 iPd 59 17.50 -0.9

(S) 00 22.00
S.D. = 0.8 on 6 of 6 obs.

SEP 16, 1993 11h 58m 37.53± 0.49s
43.767 N ± 7.7km 148.117 E ± 7.8km
DEPTH = 33.2km (2 depth phases)
4.8mb (23 obs.)
EAST OF KURIL ISLANDS (222)

KUSJ 2.57 256 P 59 17.00 -0.7
eS 59 49.70
HOOJ 3.80 250 eP 59 38.10 3.0X
eS 00 25.90
ASAJ 3.97 277 eP 59 39.50 1.9
MRRJ 5.33 258 eP 59 58.70 1.9
eS 01 02.60
AOMJ 6.58 244 eP 00 12.20 -2.3
OFUJ 6.74 228 eP 00 15.90 -0.7
eS 01 27.70
YAMJ 8.28 230 eP 00 38.50 0.3
NIIJ 9.52 230 eP 00 55.60 0.3
KAKJ 9.70 222 eP 01 01.30 3.5X
eS 02 37.40
CHJJ 10.41 225 eP 01 07.40 -0.2
eS 02 56.70
MAT 10.46 230 eP 01 07.00 -1.3
MTMJ 10.66 231 eP 01 10.10 -0.9
IIDJ 11.41 227 eP 01 21.30 0.1
eS 03 21.70
TSRJ 12.44 233 eP 01 35.60 0.6
MDJ 13.32 280 eP 01 49.50 2.8
0.9s 12.00nm 4.9mb
CN2 16.37 278 eP 02 30.30 4.1X
0.8s 7.10nm 3.8mb
BJI 23.98 272 eP 03 50.00 0.3
0.7s 340.00nm 6.0mb X
NJ2 25.75 253 eP 04 07.20 0.6
TIY 27.56 270 eP 04 24.30 1.0
Z 20s 0.37um 4.0msz
BTO 28.24 277 eP 04 29.00 -0.5
XAN 31.76 266 P 05 00.70 0.0
1.0s 2.70nm 4.1mb
pP 05 10.50 35km
LZH 34.47 273 eP 05 22.50 -1.9
1.2s 25.00nm 5.0mb
GTA 35.98 280 eP 05 37.00 -0.2
1.5s 10.00nm 4.5mb
pP 05 46.50 32km
CD2 37.10 265 P 05 47.00 0.4
WMQ 42.74 292 eP 06 33.40 0.2
0.8s 7.80nm 4.5mb
BALM 43.50 41 (P) 06 40.68 1.5
INK 46.04 30 ePd 06 59.60 0.4
0.5s 1.00nm 4.0mb
GUN 51.71 274 P 07 44.40 0.3
KKN 52.21 274 P 07 47.80 0.1
DMN 52.44 274 P 07 49.80 0.3
0.6s 15.00nm 5.1mb
YKA 55.40 34 eP 08 16.70 6.4X
0.6s 2.20nm 4.4mb
WB2 64.64 194 eP 09 27.50 13.4X
0.7s 1.70nm
WRA 64.64 194 P 09 15.80 1.7
0.6s 0.30nm 3.6mb X
WRA 64.64 194 P 09 28.50 14.4X
0.7s 0.90nm
GBA 66.79 267 P 09 23.00 -5.0X
GBA 66.79 267 P 09 39.00 11.0X
TNP 67.86 58 (P) 09 35.24 0.4
NB2 69.84 339 P 09 43.70 -2.7
0.4s 0.90nm 4.2mb
HFS 69.94 338 eP 09 44.80 -2.2
0.4s 4.30nm 4.9mb
Z 17s 0.03um 3.6mszX
LR 37 35.00
PV10 72.57 53 (P) 10 05.27 1.8
CLL 77.62 333 iPc 10 30.60 -1.1
1.0s 24.00nm 5.2mb
BRG 77.68 332 iP 10 31.50 -0.5
EKA 78.31 344 Pd 10 29.80 -5.6X
1.0s 10.30nm 4.8mb
GEC2 79.48 331 P 10 41.50 -0.6
0.4s 1.29nm 4.2mb
e 10 45.50 13kmX
e 10 51.70
GRF 79.59 333 eP 10 43.00 0.5
CDF 81.97 335 eP 10 53.90 -1.3

0.8s 5.25nm 4.6mb
BSF 82.63 335 eP 10 57.90 -0.8
FLN 83.82 340 eP 11 04.40 -0.2
LDF 83.89 339 eP 11 03.90 -1.0
LOR 84.01 336 eP 11 05.20 -0.4
0.7s 5.20nm 4.8mb
LBF 84.24 336 eP 11 06.30 -0.5
0.8s 5.25nm 4.8mb
SSF 84.30 337 eP 11 06.70 -0.4
0.8s 5.25nm 4.8mb
SMF 84.58 336 eP 11 08.40 -0.1
1.0s 11.00nm 5.0mb
AVF 84.59 337 eP 11 08.50 0.0
LPL 84.71 334 eP 11 09.60 0.2
1.1s 11.00nm 5.0mb
MAF 85.34 337 eP 11 12.00 -0.3
0.9s 10.15nm 5.0mb
LSF 85.60 337 eP 11 13.80 0.2
MFF 85.73 339 eP 11 14.70 0.5
0.6s 5.25nm 4.9mb
CAF 86.66 337 eP 11 19.70 0.8
0.7s 6.40nm 5.0mb
LFF 87.03 337 eP 11 21.30 0.7
LPO 87.14 337 eP 11 21.90 0.8
S.D. = 1.1 on 52 of 61 obs.

% SEP 16, 1993 12h 16m 04.12± 0.80s
39.699 N ± 7.6km 29.488 E ± 7.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

ALT 0.80 143 ePg 16 19.70 -0.1
eSg 16 30.70
EYL 1.01 30 ePn 16 23.50 0.3
KCT 1.03 303 iPn 16 23.00 -0.6
HRT 1.13 7 ePn 16 25.00 -0.3
EDC 1.41 298 ePn 16 30.00 0.2
MFT 2.01 303 ePn 16 39.00 0.5
S.D. = 0.5 on 6 of 6 obs.

? SEP 16, 1993 12h 34m 41.44± 1.23s
4.388 N ± 9.9km 125.374 E ± 10.0km
DEPTH = 168.9 ± 13.8 km
4.8mb (10 obs.)
TALAUD ISLANDS, INDONESIA (263)

CTB 3.03 337 ePd 35 32.00 1.6
CGP 4.10 351 iPd 35 44.50 0.4
iS 36 08.00
MAP 6.06 347 ePd 36 07.00 -2.9
QIZ 21.02 315 P 39 14.60 1.5
GUMO 21.29 63 eP 39 16.60 0.8
PJG 21.29 63 eP 39 16.80 1.0
IPM 24.27 271 ePc 39 46.10 1.4
WB2 25.74 160 iPc 39 56.30 -1.9
0.5s 20.20nm 5.0mb
i 40 29.30
eS 44 09.30
LOE 26.53 301 iPc 40 05.90 0.5
BDT 28.83 298 eP 40 25.00 -1.1
ASPA 29.10 164 iPc 40 26.80 -1.6
0.5s 13.70nm 4.9mb
eS 45 04.10
CHTO 29.53 301 iPc 40 33.00 0.7
0.9s 18.33nm 4.8mb
CTA 31.82 141 iPc 40 52.00 -0.3
0.5s 60.92nm 5.6mb
XAN 33.23 335 P 41 03.50 -1.0
0.8s 5.50nm 4.3mb
STK 39.23 158 iPc 41 54.60 -0.3
1.0s 13.70nm 4.6mb
MDJ 40.24 5 eP 42 02.50 -0.5
GUN 44.25 306 P 42 36.20 -0.1
0.4s 16.00nm 5.0mb
BWA 44.30 152 iP 42 37.80 1.6
KKN 44.68 306 P 42 38.60 -1.0
0.6s 19.00nm 4.8mb
DMN 44.75 305 P 42 39.60 -0.6
CAN 45.31 153 iP 42 44.80 0.7
TOO 45.75 158 iPc 42 48.40 0.8
0.6s 17.00nm 4.8mb
GBA 48.14 284 P 43 06.90 0.3
0.6s 2.00nm 3.9mb
INK 90.05 21 eP 47 45.00 22.2X
1.0s 2.00nm
S.D. = 1.3 on 23 of 24 obs.

? SEP 16, 1993 12h 38m 25.26± 3.29s
40.911 N ± 24.9km 28.398 E ± 17.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

CTT 0.24 6 iPg 38 29.50 -0.8
ISK 0.52 73 iPg 38 36.80 0.9
eSg 38 43.10
HRT 0.97 95 ePg 38 43.00 -0.7
eSg 38 56.00
DMK 1.03 332 iPg 38 45.30 0.6
iSg 38 59.80
S.D. = 1.5 on 4 of 4 obs.

% SEP 16, 1993 12h 42m 01.88± 0.65s
38.448 S ± 7.5km 176.001 E ± 7.1km
DEPTH = 120.0km (geophysicist)
NORTH ISLAND, NEW ZEALAND (159)

CNZ 0.83 205 P 42 25.00 2.3
URZ 0.89 78 P 42 22.60 -0.5
S 42 37.50
PAHZ 0.92 117 P 42 24.00 0.5
MOZ 0.94 266 P 42 25.90 2.3
MOH 1.13 128 P 42 26.60 1.1
TTH 1.27 150 P 42 28.80 1.8
WAHZ 1.28 168 P 42 28.90 1.7
BSZ 1.58 211 P 42 32.80 2.2
NOZ 1.61 97 P 42 30.60 -0.3
MAHZ 1.64 117 P 42 31.70 0.3
TEHZ 1.66 158 P 42 32.40 0.8
KUZ 1.71 352 P 42 31.80 -0.4
PUZ 1.82 79 P 42 32.10 -1.4
S 42 53.60
HBZ 2.00 66 P 42 34.70 -1.1
PGZ 2.18 175 P 42 38.40 0.4
MNG 2.20 190 P 42 38.80 0.4
S 43 05.60
KIW 2.55 199 P 42 42.70 -0.2
MTW 2.74 188 Pd 42 44.50 -0.8
CAW 2.75 195 P 42 45.00 -0.6
DIW 2.85 214 P 42 46.20 -0.6
BLW 2.94 188 P 42 46.90 -1.2
MRW 2.95 199 P 42 47.20 -1.0
S 43 22.90
WEL 2.99 198 P 42 47.60 -1.1
MOW 3.03 191 P 42 47.80 -1.4
TCW 3.06 205 P 42 48.70 -1.0
QRZ 3.58 227 P 42 55.90 -0.7
THZ 4.07 215 P 43 01.90 -1.5
KHZ 4.39 205 P 43 05.30 -2.2X
S 43 54.80
LTZ 5.18 212 eP 43 13.80 -4.5X
MQZ 5.83 205 P 43 22.30 -4.9X
S 44 25.30
ODZ 7.71 210 eP 43 47.50 -5.3X
S.D. = 1.3 on 27 of 31 obs.

% SEP 16, 1993 12h 43m 55.39± 1.14s
39.260 N ± 7.9km 27.712 E ± 12.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.93 202 ePg 44 13.00 -0.2
eSg 44 27.00
EDC 1.09 6 ePn 44 15.00 -0.9
KCT 1.11 27 ePn 44 17.00 0.8
EZN 1.21 298 ePn 44 18.40 0.5
KGT 1.23 345 iPn 44 18.00 -0.3
S.D. = 1.0 on 5 of 5 obs.

SEP 16, 1993 12h 46m 18.32± 0.67s
40.445 N ± 7.8km 26.358 E ± 5.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

ALN 0.51 332 eP 46 28.05 -0.6
iS 46 35.10
EZN 0.62 182 ePg 46 29.90 -0.9
eSg 46 38.40
KGT 0.72 89 iPg 46 33.00 0.5
eSg 46 43.50
MFT 0.78 64 ePn 46 34.00 0.4

EDC 1.15 94 ePn 46 40.00 0.1
DMK 1.73 37 ePn 46 48.00 -0.7
OUR 1.82 267 eP 46 50.66 0.8
eS 47 14.34
PAIG 2.12 257 eP 46 59.10 4.9X
SRS 2.20 289 iP 46 54.02 -1.5
eS 47 25.22
SOH 2.32 280 eP 47 02.78 5.6X
KNT 2.72 286 eP 47 04.74 1.8
S.D. = 1.2 on 9 of 11 obs.

& SEP 16, 1993 13h 13m 00.84s
60.078 N 153.204 W
DEPTH = 122.6km
SOUTHERN ALASKA (2)
<AEC>.

INE 0.07 104 ePc 13 17.09 0.7
eS 13 30.72
ILIM 0.12 89 ePc 13 16.97 0.6
eS 13 30.26
RED 0.40 32 ePc 13 18.06 -0.9
eS 13 31.84
OPT 0.43 182 iPd 13 18.25 -0.7
eS 13 31.35
RDW 0.45 26 ePc 13 18.47 -0.8
eS 13 33.27
REF 0.48 31 iPc 13 18.69 -0.8
NCT 0.50 16 ePc 13 18.78 -0.7
eS 13 33.07
DFR 0.58 26 iPc 13 19.03 -0.9
eS 13 34.63
PDB 0.58 240 iPd 13 18.77 -1.0
RDT 0.64 38 iPc 13 19.53 -0.8
AUL 0.71 190 eP 13 19.97 -0.8
AUW 0.72 191 ePd 13 20.11 -0.8
eS 13 36.27
AUE 0.73 187 ePd 13 19.99 -0.9
AUP 0.73 189 eP 13 20.17 -0.9
AUH 0.73 190 eP 13 20.20 -0.8
AGU 0.73 189 eP 13 20.33 -0.8
AUI 0.75 189 eP 13 20.12 -1.0
eS 13 35.19
HOM 0.89 117 eP 13 21.72 -0.6
eS 13 38.32
XLV 0.98 129 eP 13 21.79 -1.4
eS 13 38.86
BKG 1.10 25 iPc 13 23.79 -0.7
CNPM 1.14 118 iPc 13 23.65 -1.2
eS 13 41.47
CDD 1.17 191 iPd 13 23.76 -1.4
eS 13 42.60
NKA 1.18 55 ePc 13 26.00 0.8
CKL 1.20 20 eP 13 25.00 -0.6
BRLK 1.21 104 eP 13 25.09 -0.5
eS 13 42.90
CKT 1.23 23 ePc 13 25.11 -0.7
BGM 1.23 237 eP 13 25.54 -0.3
SPU 1.24 27 ePc 13 25.21 -0.8
BGL 1.26 18 eP 13 25.78 -0.4
CP2 1.28 21 iPc 13 26.19 -0.4
CRP 1.30 23 ePc 13 26.25 -0.5
eS 13 45.78
CGLM 1.37 25 eP 13 26.70 -0.7
NCG 1.43 21 eP 13 27.73 -0.3
SYI 1.53 164 eP 13 27.61 -1.5
SLKM 1.55 73 eP 13 27.91 -1.5
eS 13 48.68
SVW 1.58 312 eP 13 30.20 0.4
SUA 1.84 40 eP 13 32.49 -0.5
SEW 1.88 88 eP 13 31.36 -2.0
MPA 1.96 76 eP 13 33.01 -1.3
SKT 2.08 22 eP 13 35.46 -0.4
PMS 2.14 55 P 13 36.20 -0.5
PTE 2.22 67 eP 13 35.54 -2.0
PWA 2.27 44 P 13 37.90 -0.3
KDC 2.37 171 eP 13 36.50 -3.0
PLRM 2.51 51 eP 13 40.22 -1.1
PMR 2.51 51 eP 13 40.40 -0.9
PWL 2.54 70 eP 13 39.06 -2.7
GHO 2.69 49 P 13 41.70 -2.2
CUT 2.73 30 eP 13 43.13 -1.2
SML 2.94 52 eP 13 44.94 -2.2
HIN 3.36 82 P 13 50.00 -2.7
51 obs. associated

SEP 16, 1993 13h 48m 32.69± 0.47s

44.871 N ± 3.9km 7.217 E ± 5.4km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.7 (LDG), 2.6 (GEN).

RSP 0.28 6 P 48 39.13 0.5
S 48 43.23
RRL 0.31 279 P 48 38.81 -0.5
S 48 42.22
PZZ 0.38 193 P 48 40.04 -0.4
S 48 44.97
LSD 0.59 356 P 48 44.46 -0.3
S 48 51.92
STV 0.63 173 P 48 44.27 -1.2
S 48 51.79
ENR 0.66 167 P 48 44.78 -1.1
S 48 52.89
LPL 0.73 332 Pg 48 46.90 -0.3
Sg 48 56.10
ROB 0.74 141 P 48 46.88 -0.4
S 48 57.10
FIN 0.97 133 P 48 51.15 0.0
PCP 1.00 109 P 48 52.35 0.6
SBF 1.02 171 Pg 48 52.10 0.1
Sg 49 05.20
IMI 1.07 153 P 48 52.32 -0.6
FRF 1.37 198 Pg 48 58.70 0.9
Sg 49 17.00
LRG 1.54 204 Pg 49 02.20 2.0
Sg 49 21.60
LMR 1.62 199 Pg 49 02.90 1.6
Sg 49 23.40
BGF 3.50 300 Pn 49 29.00 0.8
CAF 3.66 273 Pn 49 29.00 -1.6
S.D. = 1.0 on 17 of 17 obs.

? SEP 16, 1993 14h 12m 20.37± 5.30s
27.798 S ± 11.1km 109.373 E ± 50.9km
DEPTH = 10.0km (geophysicist)
4.1mb (2 obs.)
WEST OF AUSTRALIA (589)

BAL 6.99 115 eP 14 06.80 1.4
eS 15 23.00
MUN 7.25 127 eP 14 08.30 -0.6
0.4s 113.00nm 6.4mb X
eS 15 22.00
NANU 7.63 48 eP 14 13.10 -1.2
eS 15 35.00
KLB 8.22 119 eP 14 23.20 0.7
0.2s 12.00nm 5.8mb X
eS 15 50.00
MEEK 8.31 84 eP 14 24.00 0.2
0.2s 30.00nm 6.2mb X
eS 15 55.00
NWA0 8.50 129 iPc 14 25.00 -1.4
0.2s 67.00nm 6.6mb X
eS 15 54.80
RKG 9.40 138 eP 14 38.30 -0.5
0.2s 32.00nm 6.4mb X
eS 16 18.00
COOL 10.72 109 eP 14 56.00 -1.1
0.2s 8.00nm 5.7mb X
eS 16 50.50
MBL 11.59 58 eP 15 08.00 -0.9
0.3s 7.00nm 5.5mb X
eS 17 08.00
FORT 16.57 105 iPc 16 15.10 0.7
eS 19 10.00
ASPA 22.46 85 iPd 17 28.80 7.6X
0.5s 12.20nm 4.6mb
eS 21 23.40
WB2 24.11 77 eP 17 39.70 2.5
0.7s 1.10nm 3.6mb
e 17 45.70
eS 22 07.90
S.D. = 1.4 on 11 of 12 obs.

SEP 16, 1993 14h 50m 47.20± 0.19s
51.641 N ± 4.7km 176.403 E ± 2.5km
DEPTH = 33.0km (normal)
5.1mb (92 obs.) 4.5MsZ (6 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS (6)

SMY 1.79 309 iPd 51 16.60 0.4
FXI 2.35 303 P 51 24.20 0.0
S 51 59.30

		0.8s	25.90nm			5.4mb
SHL		67.08	283 iP	01	39.50	-0.1
NAO		67.29	352 P	01	37.33	-2.8
CBM		67.30	42 eP	01	38.62	-1.8
		0.5s	12.08nm			5.3mb
UPP		67.54	349 iP	01	40.40	-1.3
MOS		67.67	336 iPc	01	42.00	-0.6
		1.0s	50.00nm			5.6mb
Z		18s	1.00um			5.1MsZ
			e	01	52.00	
			e	02	09.00	
HFS		67.71	351 eP	01	41.30	-1.5
		0.5s	15.40nm			5.3mb
Z		17s	0.10um			4.1MsZx
			LR	27	05.00	
BNH		67.79	46 eP	01	42.10	-1.5
OBN		68.50	337 iPc	01	47.20	-0.6
		1.0s	52.00nm			5.6mb
Z		18s	0.60um			4.9MsZ
E		18s	0.60um			
			i	02	10.00	
MYNC		68.70	60 eP	01	47.93	-1.4
		0.8s	12.29nm			5.0mb
GUN		68.95	289 P	01	51.60	0.2
EMM		69.32	43 eP	01	52.00	-0.9
KKN		69.40	289 P	01	54.00	0.0
LMN		69.54	41 eP	01	53.00	-1.3
DMN		69.63	289 P	01	55.60	0.1
CEH		70.75	56 eP	02	00.41	-1.4
		0.6s	21.73nm			5.4mb
JSC		70.84	59 eP	02	01.58	-0.8
LHS		70.93	58 eP	02	01.84	-1.1
EKA		73.39	360 Pc	02	17.10	-0.1
		1.4s	27.50nm			5.1mb
ASH		75.68	314 P	02	32.00	1.3
		1.0s	140.00nm			5.9mb
CTA		76.15	209 eP	02	33.90	0.5
		1.0s	39.50nm			5.4mb
			i	02	48.40	
WTS		76.37	353 eP	02	33.00	-1.2
CLL		76.47	349 iP	02	34.10	-0.7
KSP		76.51	347 eP	02	34.80	-0.3
PYA		76.51	327 iPc	02	36.00	0.7
MAJO		76.52	312 eP	02	36.00	0.5
OJC		76.59	345 eP	02	36.00	0.4
BRG		76.78	349 iP	02	36.60	0.0
MOX		77.27	350 eP	02	39.60	0.2
		1.4s	16.00nm			4.9mb
SPC		77.51	344 eP	02	41.30	0.4
PRU		77.58	348 eP	02	41.50	0.5
ENN		77.65	354 eP	02	41.50	0.1
		1.0s	27.00nm			5.2mb
UZH		77.68	343 iPc	02	43.00	1.4
		1.0s	30.00nm			5.3mb
			e	02	53.70	
VRAC		77.96	347 iPc	02	44.00	0.9
		0.8s	24.80nm			5.3mb
GRF		78.26	350 eP	02	45.50	0.7
Z		20s	0.10um			4.1MsZ
			e	02	50.20	
KHC		78.54	349 iPd	02	47.80	1.4
		1.1s	21.00nm			5.1mb
GEC2		78.81	348 P	02	47.10	-0.8
		1.2s	7.27nm			4.6mb
			e	02	57.90	
ZST		78.98	346 iP	02	49.70	1.0
		0.9s	21.00nm			5.1mb
			i	02	54.80	
SRO		79.16	345 iP	02	51.30	1.6
CDF		79.89	353 eP	02	53.50	-0.3
		0.8s	7.95nm			4.8mb
FLN		79.94	358 eP	02	53.30	-0.6
		1.1s	28.35nm			5.2mb
MLR		79.95	339 ePc	02	55.50	1.3
			e	27	42.00	
LDF		80.10	358 eP	02	54.20	-0.6

16d 15h

BSF	80.51	353	eP	02	56.70	-0.4	SLR	144.59	305	iPKPd	10	20.30	-1.6X	MUN	0.77	250	eP	52	03.70	0.0						
WATA	80.55	350	iPc	02	57.80	0.4		1.0s	40.00nm							eS	52	13.50								
KBA	80.59	348	iPc	02	58.80	1.2	MAW	144.86	218	iPKP	10	19.80	-1.0	BAL	1.14	345	eP	52	10.00	0.0						
	0.8s	43.20nm			5.5mb			1.0s	41.67nm							eS	52	24.00								
MOTA	80.59	350	iPc	03	33.00		KSR	145.40	306	iPKPc	10	20.50	-2.8X	NWAO	1.22	173	eP	52	11.30	0.0						
	1.1s	32.40nm			5.2mb			1.0s	64.00nm							eS	52	27.50								
WTTA	80.61	350	iPc	02	58.50	0.7	SEK	147.03	303	iPKPd	10	28.50	2.6X	S.D. = 0.0 on 4 of 4 obs.												
	0.6s	14.90nm			5.1mb		BLF	148.41	304	ePKP	10	30.00	2.0X	% SEP 16, 1993	16h	05m	36.07±	1.06s								
LPF	80.68	358	eP	02	57.80	0.0	GRM	151.48	298	iPKPd	10	39.70	7.3X	41.172 N ±10.3km 29.403 E ± 6.1km												
	0.7s	8.95nm			4.9mb			0.7s	50.00nm				DEPTH = 10.0km (geophysicist)													
SQTA	80.70	350	iPc	02	58.90	0.7	S.D. = 1.0 on 202 of 213 obs.													TURKEY			(366)			
ZLA	80.72	352	ePc	02	58.10	-0.1	? SEP 16, 1993 14h 56m 15.88± 3.49s													ISK	0.28	248	iPg	05	42.10	0.1
LOR	81.26	355	eP	03	00.70	-0.3	13.437 N ±33.0km 92.521 W ±16.2km													iSg	05	46.10				
	0.8s	8.35nm			4.8mb		DEPTH = 33.0km (normal)													HRT	0.40	150	iPg	05	44.00	-0.3
LLS	81.27	351	ePc	03	01.90	0.6	4.2mb (2 obs.)													CTT	0.74	268	iPg	05	50.50	0.0
HYB	81.29	287	eP	03	01.50	-0.1	OFF COAST OF CHIAPAS, MEXICO (68)													iSg	06	01.50				
OSS	81.34	350	ePc	03	02.30	0.7	TPX	1.48	10	iP	56	40.70	0.2	EYL	0.83	136	iPg	05	52.00	-0.3						
SSF	81.49	355	eP	03	02.00	-0.1		(S)	56	58.50				GPA	1.12	142	ePn	05	57.80	0.7						
	0.8s	8.60nm			4.8mb		SCX	3.28	358	iPd	57	05.30	-0.9	KCT	1.22	221	ePn	05	58.00	-0.8						
LBF	81.54	355	eP	03	02.00	-0.4			iS	57	37.20		DMK	1.40	298	iPn	06	01.00	-0.6							
VDL	81.61	351	ePc	03	04.10	1.1	PPM	8.10	314	iP	58	14.80	0.1	EDC	1.43	235	ePn	06	02.00	-0.1						
AVF	81.77	355	eP	03	03.60	0.1	IIA	8.18	315	iP	58	15.00	-0.3	MFT	1.65	257	ePn	06	06.00	0.7						
	1.3s	24.90nm			5.1mb		LTX	18.90	329	eP	00	37.00	0.6	KGT	1.75	246	iPn	06	07.00	0.4						
VBV	81.88	347	iP	03	04.80	0.6	UYO	20.71	355	iPc	00	56.80	0.8	S.D. = 0.6 on 10 of 10 obs.												
SMF	81.89	355	eP	03	04.20	0.0	MIAR	21.04	358	(P)	00	59.66	0.3	% SEP 16, 1993	16h	16m	25.39±	0.80s								
	0.9s	15.40nm			5.0mb			0.9s	8.25nm		4.1mb		26.369 S ± 7.4km 27.429 E ± 8.3km													
BGF	82.02	356	eP	03	05.00	0.1	YKA	51.46	347	eP	05	19.00	-0.9	DEPTH = 5.0km (geophysicist)												
TMA	82.04	351	ePc	03	05.80	0.5		0.7s	2.60nm		4.3mb		REPUBLIC OF SOUTH AFRICA													
MFF	82.09	358	eP	03	05.20	0.0		S.D. = 0.7 on 8 of 8 obs.													ML 2.3 (PRE).			(584)		
	1.2s	33.05nm			5.2mb		? SEP 16, 1993 15h 05m 13.32± 2.18s													KSR	0.69	316	eP	16	39.50	0.2
MMK	82.18	352	ePc	03	07.30	1.3		14.025 N ±23.8km	92.858 W ±12.3km						S	16	48.00									
DIX	82.20	352	ePc	03	07.40	1.2		DEPTH =	33.0km	(normal)			SLR	0.99	51	eP	16	44.50	-0.3							
TCF	82.32	356	eP	03	06.40	-0.1		4.1mb (2 obs.)							S	16	57.00									
MAF	82.37	356	eP	03	07.00	0.2	NEAR COAST OF CHIAPAS, MEXICO (69)													SEK	1.95	175	iPd	17	00.50	0.8
	0.5s	2.50nm			4.5mb		TPX	1.05	33	iPd	05	31.00	-0.7			S	17	24.50								
LPL	82.81	353	eP	03	10.30	1.0			iS	05	45.00		BFT	2.45	74	eP	17	07.00	0.1							
	0.8s	10.05nm			5.0mb		PCG	2.21	80	eP	05	48.87	0.2	BLF	2.94	202	eP	17	13.00	-0.8						
LPG	82.83	353	eP	03	10.50	1.0	IXG	2.34	86	eP	05	42.68	-7.7X	S.D. = 0.9 on 5 of 5 obs.												
	0.9s	17.05nm			5.1mb		SCX	2.70	5	iP	05	57.00	1.6	% SEP 16, 1993	16h	49m	08.11±	1.91s								
LSD	82.84	352	P	03	10.87	1.4			iS	06	28.50			40.193 N ±15.8km	27.860 E ± 7.1km											
RSP	83.13	352	P	03	11.88	1.0	YUP	2.97	86	eP	05	59.72	0.3	DEPTH = 10.0km (geophysicist)												
BNI	83.28	353	P	03	13.47	1.8			eS	06	23.79		TURKEY			(366)										
	1.0s	21.00nm			5.2mb		PPM	7.46	313	(P)	07	04.00	0.8	ML 2.5 (ISK).												
BOB	83.31	351	P	03	13.14	1.4	LTX	18.23	328	eP	09	24.90	-0.7	EDC	0.15	1	ePn	49	11.50	-0.2						
	0.9s	97.30nm			5.9mb		MIAR	20.44	358	(P)	09	49.14	-1.5	BNT	0.17	16	ePn	49	12.00	0.0						
RJF	83.33	356	eP	03	11.50	-0.2		1.1s	9.81nm		4.1mb		KCT	0.38	81	iPn	49	16.00	0.0							
RRL	83.40	353	P	03	13.83	1.4	YKA	50.81	347	eP	14	08.60	-3.8X	KGT	0.50	301	iPn	49	18.00	-0.2						
PCP	83.62	351	P	03	15.95	2.7X		0.6s	1.20nm		4.0mb		MFT	0.74	324	ePn	49	23.00	0.3							
CAF	83.69	356	eP	03	13.90	0.3	S.D. = 1.3 on 7 of 9 obs.													S.D. = 0.3 on 5 of 5 obs.						
LFF	83.73	357	eP	03	13.90	0.2	& SEP 16, 1993	15h	11m	12.73s			& SEP 16, 1993	17h	57m	15.34s										
	1.1s	28.35nm			5.3mb			37.589 N	119.021 W				67.856 N	163.348 W												
ASPA	83.74	219	iPc	03	14.10	0.2		DEPTH =	4.2km				DEPTH =	40.2km												
	0.6s	4.90nm			4.8mb		CENTRAL CALIFORNIA	(39)					4.8mb (42 obs.)	4.8msz (2 obs.)												
PZZ	83.79	352	P	03	14.35	0.1	<GM>P>. MD 2.8 (GM).						NORTHERN ALASKA (676)													
SFI	83.88	349	P	03	16.72	2.2	MMPM	0.02	345	iPd	11	13.67	-0.2	<AEIC>. Felt (V) at Kotzebue,												
	1.5s	83.50nm			5.7mb		MEMM	0.10	40	(P)	11	15.04	0.2	(III) at Kivalina and (II) at												
ROB	83.93	352	P	03	15.15	0.3	MRCM	0.42	78	iPc	11	21.20	0.1	Noatak.												
LPO	83.97	357	eP	03	15.10	0.2	MTUM	0.43	123	iPc	11	21.40	0.0	ANM	3.41	195	eP	58	04.98	-2.3						
	0.7s	7.70nm			5.0mb		BONR	0.68	57	eP	11	26.06	-0.2	BRW	4.16	31	eP	58	17.32	-0.6						
FIN	83.98	351	P	03	13.61	-1.5	CMB	1.17	293	eP	11	34.27	-0.9			eS	59	04.45								
ENR	84.04	352	P	03	14.21	-1.2			eS	11	49.54		IMA	4.20	111	ePc	58	17.35	-1.3							
FIR	84.09	349	eP	03	05.00	-10.6X	TNP	1.51	70	eP	11	41.49	0.7	IM3	4.22	112	iP	58	18.18	-0.6						
SKO	84.26	342	iPc	03	17.00	0.5	ISA	1.97	167	eP	11	49.04	1.7			eS	59	06.18								
	0.8s	40.00nm			5.6mb				eS	12	14.74		MLY	5.79	113	eP	58	39.89	-1.2							
IMI	84.31	352	P	03	16.18	-0.6	ARN	2.01	264	eP	11	49.46	1.6	TTA	5.82	145	eP	58	39.99	-1.4						
FRF	84.76	353	eP	03	19.40	0.4			eS	12	16.17		NEA	6.64	113	eP	58	51.43	-1.4							
	0.7s	8.60nm			5.0mb		BCH	2.55	200	eP	11	55.69	0.1	KTH	6.70	124	eP	58	52.63	-1.1						
LRG	84.89	353	eP	03	19.40	-0.2	ABL	2.74	183	eP	11	59.29	0.8	MDM	6.72	109	eP	58	52.64	-1.4						
GBA	84.93	285	P	03	19.90	-0.2	GSC	2.90	141	(P)	12	01.64	1.0	BWN	6.75	117	eP	58	54.38	-0.1						
	0.8s	6.00nm			4.8mb			12 obs. associated					FBA	6.91	108	eP	58	54.23	-2.4							
LMR	85.00	353	eP	03	20.60	0.5	? SEP 16, 1993 15h 51m 48.62± 0.87s													TRF	6.97	123	eP	58	56.44	-1.2
	1.2s	24.10nm			5.3mb			31																		

16d 17h

ILB 7.31 107 eP 59 00.78 -1.4
 RND 7.46 120 eP 59 03.80 -0.7
 HDA 7.49 110 eP 59 02.81 -1.9
 HUR 7.52 124 eP 59 04.94 -0.2
 SVW 7.54 150 eP 59 03.23 -2.4
 SKT 7.73 134 eP 59 07.50 -0.7
 CUT 7.75 129 eP 59 08.28 -0.1
 NCG 8.05 138 eP 59 12.07 -0.6
 BGL 8.11 139 eP 59 13.02 -0.5
 CP2 8.15 139 eP 59 13.09 -1.1
 CRP 8.17 139 eP 59 12.84 -1.5
 CGLM 8.17 138 eP 59 13.68 -0.7
 DHY 8.18 118 eP 59 13.61 -0.9
 SPU 8.27 139 eP 59 14.89 -0.7
 BKG 8.31 140 eP 59 15.61 -0.7
 SUA 8.37 134 eP 59 17.12 0.0
 PWA 8.46 131 eP 59 18.70 0.5
 NCT 8.60 143 eP 59 19.49 -0.8
 DFR 8.63 143 eP 59 19.69 -1.0
 GHO 8.65 128 eP 59 20.01 -0.8
 RDW 8.70 143 eP 59 18.91 -2.8
 RDT 8.71 142 eP 59 20.91 -0.9
 REF 8.72 143 eP 59 21.19 -0.8
 PLRM 8.73 129 eP 59 20.82 -1.0
 PMR 8.73 129 eP 59 20.80 -1.0
 SML 8.80 126 eP 59 22.55 -0.3
 PMS 8.88 132 eP 59 23.60 -0.5
 ILLM 9.03 145 eP 59 25.26 -0.8
 PDB 9.04 149 eP 59 24.20 -2.0
 SCM 9.09 124 eP 59 26.90 -0.1
 SDG 9.17 117 eP 59 26.87 -1.2
 TOA 9.26 120 eP 59 29.90 0.6
 SLKM 9.31 136 (P) 59 29.73 -0.3
 BC3 10.14 108 eP 59 38.49 -2.8
 INK 11.10 74 P 59 50.00 -4.3
 BALM 11.30 117 (P) 59 56.15 -1.1
 SIT 16.69 117 (P) 01 05.69 -1.7
 YKA 20.67 81 eP 01 53.60 -0.1
 RES 21.71 42 P 02 03.50 -0.6
 TIK 22.62 310 iPd 02 14.00 0.8
 Z 12s 36.00nm 4.6mb
 Z 12s 0.70um 4.3MsZ
 SKR 26.22 249 eP 02 41.50 -6.3
 YAK 27.63 291 iPc 02 58.50 -2.0
 LON 29.89 114 eP 03 24.01 3.0
 VGB 31.32 114 eP 03 36.18 2.6
 DAG 33.97 14 eP 03 57.50 1.2
 YSS 34.15 260 eP 03 57.00 -1.2
 Z 14s 0.50um 4.4MsZ
 E 14s 0.40um
 LBFM 34.62 119 eP 04 04.83 2.3
 NRI 34.64 324 eP 04 01.50 -0.6
 LGPM 34.70 120 eP 04 05.38 2.2
 MCMT 34.74 106 eP 04 05.30 1.7
 WDC 35.10 120 eP 04 08.53 2.2
 ORV 36.36 120 eP 04 18.01 0.9
 HVU 37.41 108 eP 04 28.24 2.2
 BW06 37.72 104 ePd 04 30.23 1.6
 ARN 38.36 121 eP 04 36.40 2.6
 RSSD 38.62 97 eP 04 37.28 1.1
 DUG 38.79 109 ePd 04 39.99 2.4
 BONR 38.88 117 (P) 04 39.93 1.4
 MEMM 38.92 118 (P) 04 42.52 4.0
 MMPM 38.95 118 eP 04 42.26 3.1
 DAU 39.16 107 eP 04 42.99 2.1
 MTUM 39.33 118 eP 04 45.15 3.0
 MSU 40.51 110 ePc 04 54.89 3.0
 SRU 40.57 108 ePd 04 54.32 2.0
 JAQ 41.04 65 eP 04 53.00 -2.8
 PV09 41.62 107 eP 05 03.44 2.4

CN2 43.39 274 eP 05 06.40
 1.0s 14.00nm 4.7mb
 Z 20s 0.87um 4.7MsZ
 N 12s 0.47um
 E 12s 0.50um
 epP 05 24.00 34kmX
 eS 11 40.00
 MAT 44.90 256 eP 05 25.00 -2.4
 1.0s 13.00nm 4.7mb
 CHJJ 45.05 255 eP 05 28.70 0.1
 ALQ 45.76 106 ePc 05 36.58 2.2
 1.3s 23.23nm 4.9mb
 SNY 45.79 274 eP 05 33.60 -0.7
 1.0s 23.00nm 5.0mb
 E 14s 1.35um
 eS 12 18.00
 ZAK 45.85 297 eP 05 35.00 0.4
 1.6s 14.00nm 4.6mb
 Z 13s 0.49um 4.6MsZ
 N 13s 0.48um
 FVM 49.07 89 eP 05 59.81 -0.3
 0.4s 15.76nm 5.4mb
 BJI 50.13 279 eP 06 07.50 -0.6
 0.8s 37.00nm 5.5mb
 Z 16s 0.29um 4.4MsZ
 N 12s 0.31um
 KAF 50.14 354 iP 06 08.20 0.3
 0.4s 8.50nm 5.1mb
 MIAR 50.91 94 eP 06 14.29 0.1
 1.2s 21.80nm 5.0mb
 UYO 50.91 95 iPc 06 14.70 0.5
 HHC 51.13 284 P 06 15.40 -0.5
 1.0s 9.90nm 4.8mb
 Z 16s 0.71um 4.8MsZ
 N 12s 0.38um
 E 12s 0.31um
 NB2 51.34 3 P 06 16.80 -0.4
 0.8s 2.30nm 4.2mb
 SVE 51.48 331 eP 06 29.00 10.8
 e 07 29.00
 NUR 51.80 355 iP 06 20.60 0.0
 0.4s 9.10nm 5.1mb
 BTO 51.92 285 eP 06 21.40 -0.5
 N 15s 0.76um
 E 15s 0.81um
 ARU 52.24 332 eP 06 21.00 -2.9
 HFS 52.29 2 eP 06 22.70 -1.6
 0.4s 1.70nm 4.4mb
 Z 17s 0.08um 3.8MsZ
 LR 22 30.00
 GBTN 53.47 84 eP 06 33.89 0.6
 TIY 53.56 281 eP 06 32.50 -1.6
 Z 20s 1.00um 4.9MsZ
 N 16s 1.20um
 E 16s 1.27um
 MYNC 54.02 85 eP 06 37.35 0.0
 1.3s 27.83nm 5.1mb
 MOS 55.74 346 eP 06 48.00 -1.6
 e 06 54.00
 NJ2 56.17 272 Pc 06 52.00 -1.0
 1.0s 21.00nm 5.1mb
 EKA 56.25 13 Pc 06 55.40 2.1
 0.9s 5.30nm 4.6mb
 OBN 56.47 346 ePc 06 54.50 -0.4
 0.6s 13.00nm 5.1mb
 GTA 56.62 293 Pd 06 55.50 -0.9
 1.0s 16.00nm 5.0mb
 Z 13s 1.00um 5.1MsZ
 N 12s 0.45um
 pP 07 01.50 20kmX
 WMQ 56.68 305 P 06 56.60 -0.1
 1.0s 9.30nm 4.8mb
 Z 14s 0.47um 4.7MsZ
 XAN 58.13 282 P 07 01.50 -5.4
 1.4s 8.30nm 4.6mb
 Z 15s 0.94um 5.0MsZ
 N 15s 0.81um
 E 15s 1.22um
 LZH 58.16 288 Pd 07 06.50 -0.7
 1.5s 37.00nm 5.3mb
 Z 14s 0.50um 4.8MsZ
 E 14s 0.51um
 CLL 61.13 3 e(P) 07 26.00 -1.2
 BRG 61.58 2 eP 07 30.50 0.2
 PRU 62.47 2 eP 07 36.50 0.2

CD2 62.84 285 iPc 07 38.00 -1.0
 SPC 63.25 357 e(P) 07 43.80 2.1
 KHC 63.32 2 eP 07 44.00 2.1
 e 07 47.00
 e 07 52.50
 e 08 08.00
 GEC2 63.60 2 P 07 44.20 0.3
 0.8s 2.39nm 4.4mb
 e 07 47.00
 e 07 54.50
 CDF 63.84 7 eP 07 46.50 1.0
 0.9s 7.20nm 4.8mb
 ZST 64.27 360 eP 07 50.90 2.8
 BSF 64.40 7 eP 07 49.90 0.8
 SSF 64.98 10 eP 07 53.80 1.1
 1.0s 10.00nm 4.8mb
 MFF 65.17 13 eP 07 54.80 0.9
 AVF 65.24 10 eP 07 55.20 0.8
 1.0s 7.20nm 4.7mb
 SMF 65.42 10 eP 07 56.40 0.8
 0.7s 3.40nm 4.5mb
 LSF 65.65 11 eP 07 57.90 0.9
 1.1s 10.75nm 4.8mb
 TCF 65.66 11 eP 07 58.00 0.8
 GYA 65.79 281 P 07 57.60 -0.7
 1.0s 13.00nm 5.0mb
 LPL 66.71 8 eP 08 06.00 1.9
 MAIO 71.29 325 eP 08 32.00 -0.3
 GUN 71.83 299 P 08 36.60 0.7
 KKN 72.14 300 P 08 38.20 0.6
 0.8s 24.00nm 5.2mb
 DMN 72.36 300 P 08 39.80 0.8
 WRA 98.51 237 P 10 51.50 1.2
 0.8s 1.30nm 4.5mb
 136 obs. associated
 ? SEP 16, 1993 18h 12m 31.04±1.07s
 32.228 S ± 8.0km 117.388 E ±11.9km
 DEPTH = 10.0km (geophysicist)
 WESTERN AUSTRALIA (590)
 KLB 0.71 27 eP 12 44.70 -0.3
 eS 12 53.00
 NWA0 0.71 191 eP 12 45.10 0.1
 eS 12 54.30
 MUN 1.03 284 eP 12 50.20 -0.3
 eS 13 03.90
 BAL 1.72 340 eP 13 01.70 0.5
 eS 13 24.00
 S.D. = 0.7 on 4 of 4 obs.
 SEP 16, 1993 19h 04m 44.63±0.86s
 33.592 N ± 9.7km 135.188 E ± 5.6km
 DEPTH = 29.5 ± 5.4 km
 4.6mb (1 obs.)
 NEAR S. COAST OF WESTERN HONSHU (233)
 WKYJ 0.71 28 iP+ 04 58.70 0.2
 iS 05 07.70
 TKSJ 1.03 293 P 05 03.30 0.3
 S 05 15.00
 TSRJ 2.05 18 iP+ 05 17.70 0.0
 S 05 41.50
 YONJ 2.14 319 P 05 18.30 -0.7
 eS 05 42.30
 IIDJ 2.93 49 P 05 29.90 -0.4
 SHNJ 3.44 280 P 05 36.90 -0.5
 eS 06 14.10
 MTMJ 3.68 35 P 05 41.10 0.2
 KUMJ 3.81 255 P 05 42.70 0.0
 eS 06 24.70
 MAT 3.85 39 iPd 05 42.90 -0.3
 eS 06 25.00
 CHJJ 3.98 51 P 05 44.90 -0.2
 KAGJ 4.36 238 P 05 50.50 0.0
 eS 06 37.10
 NIJJ 4.79 39 eP 05 56.60 0.0
 YAMJ 6.03 39 eP 06 14.00 -0.2
 OFUJ 7.57 42 eP 06 36.60 0.9
 BJI 16.52 298 eP 08 36.50 0.9
 1.0s 56.00nm 4.6mb
 N 16s 0.29um
 S.D. = 0.5 on 15 of 15 obs.
 ? SEP 16, 1993 19h 34m 02.81±1.50s
 51.598 N ±13.5km 16.221 E ± 7.2km
 DEPTH = 10.0km (geophysicist)

16d 19h

POLAND (548)				TCE 0.61 168 eP 57 04.90 -0.5				0.9s 7.50nm 4.9mb			
ML 3.4 (VIE), 3.4 (GRF).				eS 57 13.44				ipP 41 00.20 22kmX			
KSP	0.76	177	iPd 34 17.00 -0.6	TRN	0.80	144	eP 57 07.15 -0.8	VRI	65.13	329	ePc 40 55.50 1.1
	0.6s	125.00nm						MLR	65.26	329	eP 40 54.00 -1.5
		iS 34 25.80		GRW	0.88	14	eP 57 10.04 0.8	SKO	65.47	323	iPc 40 55.50 -1.2
BRG	1.60	244	ePn 34 32.00 0.8							i	41 02.50
		iLR 34 31.80		TPP	1.06	157	eP 57 12.19 0.4	OBN	68.15	341	ePc 41 13.00 -0.5
		iPg 34 32.90							1.8s	60.00nm	5.5mb
PRU	1.93	214	iSg 34 53.00	TBH	1.14	135	eS 57 14.06 1.2	SPC	70.61	329	e(P) 41 27.80 -1.2
		Pn 34 35.40 -0.6						SRO	70.78	327	e(P) 41 29.00 -0.7
		Pg 34 37.10		BOT	1.15	96	eP 57 12.54 -0.4	GEC2	73.89	326	P 41 46.40 -1.9
		i 34 39.10		FCV	1.95	19	eP 57 24.14 -0.4		0.9s	0.49nm	3.6mb X
		Sn 34 55.40							e	41 51.70	
CLL	2.03	263	ePn 34 37.00 -0.5	SVB	2.06	17	eP 57 26.13 0.0		e	41 53.70	
		iPg 34 41.20							e	41 59.60	
		eSg 35 06.00		SVV	2.11	18	eP 57 26.38 -0.5	KIC	73.96	279	P 41 49.78 0.5
VRAC	2.30	174	ePn 34 42.40 1.0	SLB	2.64	18	eP 57 34.00 -0.5		1.1s	19.50nm	5.1mb
	0.6s	50.10nm		SLW	2.86	19	eP 57 38.21 0.7	PRU	74.07	327	eP 41 49.00 -0.2
		eSg 35 14.70						KHC	74.12	326	eP 41 41.00 -8.5X
OJC	2.65	120	eP 34 46.20 -0.2						1.2s	10.00nm	4.7mb
		eS 35 30.00							e	41 56.50	
KHC	2.99	215	ePn 34 51.50 0.3	S.D. = 0.7 on 11 of 11 obs.				LIC	74.22	279	P 41 50.74 0.0
		ePg 34 57.60		% SEP 16, 1993 21h 27m 25.08± 1.03s					0.9s	8.00nm	4.7mb
		eSn 35 16.50		40.859 N ±10.7km 29.867 E ± 8.1km				Z	22s	1.50um	5.2Msz
		eSg 35 25.00		DEPTH = 10.0km (geophysicist)				TIC	74.28	279	P 41 51.20 0.1
MOX	3.05	254	iPg 35 00.80 8.8X	TURKEY (366)					1.0s	11.50nm	4.9mb
		iSg 35 39.90		ML 3.0 (ISK).				BRG	74.88	328	eP 41 54.60 0.7
GEC2	3.20	211	Pn 34 55.00 0.9						1.5s	18.00nm	4.9mb
		Pg 35 00.50		HRT	0.16	256	iPg 27 29.00 0.3			i	42 00.90
		Sg 35 40.50						TOO	75.22	127	eP 41 57.00 0.8
WET	3.26	222	iPc 34 54.80 -0.1	EYL	0.37	143	iPg 27 33.00 0.3		1.1s	30.00nm	5.2mb
VKA	3.34	179	iPg 35 04.80 8.7X	ISK	0.65	289	iPg 27 37.90 -0.1	CLL	75.62	328	iPc 41 58.80 0.8
		iSg 35 47.60		GPA	0.66	149	iPg 27 37.90 -0.4		2.0s	29.00nm	5.0mb
		i 35 50.90								i	42 05.20
ZST	3.45	170	eP 35 07.80 10.1X	CTT	1.13	285	iPg 27 46.00 -0.2	GRF	75.72	326	ePd 41 58.90 0.2
		e 35 52.30							1.2s	18.00nm	5.0mb
SPC	3.53	132	eP 35 13.40 14.5X	KCT	1.30	243	ePn 27 49.00 -0.2			e(pP) 42 05.60 21kmX	
GRF	3.71	241	ePn 35 01.90 0.5	DMK	1.86	302	ePn 27 57.30 0.1			e(sP) 42 11.50	
KBA	4.90	204	iPnd 35 26.10 7.7X	MFT	1.96	269	ePn 27 59.00 0.2	MOX	76.00	327	eP 42 00.30 0.0
	0.6s	10.10nm							1.5s	16.00nm	4.9mb
		i 35 33.80		S.D. = 0.3 on 8 of 8 obs.						e	42 07.60
		i 35 36.50		* SEP 16, 1993 21h 30m 11.20± 0.43s				MDJ	76.13	40	eP 42 01.40 0.3
		i 36 32.00		8.024 S ±10.3km 68.029 E ± 8.0km				CTA	76.27	109	eP 42 01.20 -1.2
		i 36 38.60		DEPTH = 10.0km (geophysicist)					1.0s	68.50nm	5.7mb
		i 36 42.70		4.9mb (29 obs.) 5.0Msz (4 obs.)				KAF	76.99	341	eP 42 05.40 -0.1
WTTA	5.27	216	iPnd 35 24.00 0.4	CHAGOS ARCHIPELAGO REGION (426)				CDF	77.35	323	eP 42 07.10 -0.9
	0.5s	5.70nm	4.5mb						1.1s	8.30nm	4.7mb
		i 36 17.10		KOD	20.43	28	eP 34 56.00 4.2X	BSF	77.37	323	eP 42 06.90 -1.2
		i 36 51.20		GBA	23.43	24	P 35 24.00 2.5		0.8s	4.85nm	4.6mb
MOTA	5.41	220	iPnc 35 24.20 -1.4		0.7s	3.00nm	4.0mb	LBF	78.72	321	eP 42 14.80 -0.7
SQTA	5.47	219	iPnc 35 25.90 -0.5	DMN	39.09	24	P 37 42.00 1.3	SSF	79.04	321	eP 42 16.70 -0.5
		S.D. = 0.8 on 13 of 18 obs.			0.8s	36.00nm	5.1mb		1.0s	7.80nm	4.7mb
? SEP 16, 1993 20h 42m 54.62± 1.01s				KKN	39.32	24	P 37 43.40 0.8	MAT	79.15	50	eP 42 17.00 -1.0
31.256 N ±15.9km 83.937 E ±13.1km					0.8s	31.00nm	5.0mb		2.3s	54.55nm	5.2mb
DEPTH = 33.0km (normal)				LSZ	39.63	256	iPd 37 45.00 -0.2	BGF	79.25	320	eP 42 18.40 0.1
4.4mb (5 obs.)									1.3s	25.25nm	5.1mb
XIZANG (306)				GUN	39.68	25	P 37 47.00 1.3	RJF	79.61	319	eP 42 20.50 0.2
KKN	3.65	161	P 43 51.40 1.1		0.8s	35.00nm	5.1mb	LFF	79.98	318	eP 42 22.70 0.4
GUN	3.74	153	P 43 53.00 1.3	SHL	40.66	34	eP 37 56.00 2.3		1.2s	25.60nm	5.1mb
DMN	3.77	164	P 43 53.20 1.1	SLR	41.70	240	eP 38 02.00 -0.2	HFS	80.27	336	eP 42 23.80 0.3
NDI	6.37	248	ePn 44 26.50 -2.1		0.8s	20.00nm	4.9mb		0.5s	1.20nm	4.1mb
	0.6s	10.00nm	4.7mb	Z	20s	5.33um	5.4Msz	MFF	81.17	320	eP 42 28.50 0.0
		eS 45 49.00		BLF	44.54	236	eP 38 16.00 -9.3X	PAB	81.73	312	ePd 42 33.00 1.3
SHL	9.00	127	iP 45 03.50 -2.0	KSH	47.81	8	eP 38 48.50 -2.5	YKA	125.60	2	ePKP 49 12.90 -1.2
		eS 47 38.00		BCAO	50.90	282	iPc 39 15.00 0.0		0.8s	2.20nm	
CHTO	18.37	129	eP 47 08.50 0.0		0.8s	18.00nm	5.1mb	FHC	145.65	16	ePKP 49 53.26 1.4
GBA	18.56	200	P 47 05.00 -5.8X	CD2	51.68	40	eP 39 19.20 -1.5	LBPM	145.67	13	iPKPc 49 52.68 0.6
MAIO	20.91	291	eP 47 39.00 2.3	WMQ	54.59	17	P 39 42.20 0.0	LGPM	145.85	15	iPKPc 49 53.73 1.4
NB2	54.91	325	P 52 24.80 0.6		1.4s	20.00nm	5.0mb	WDC	146.24	15	ePKP 49 53.54 0.7
	0.9s	2.60nm	4.3mb	Z	20s	0.80um	4.8Msz	ORV	147.46	14	ePKP 49 57.05 2.3
BCAO	66.73	261	ePd 53 44.10 -0.9					GOL	147.91	350	ePKP 49 58.75 2.9
	0.8s	4.00nm	4.6mb					SRU	149.02	358	(PKP) 49 56.45 -1.1
WRA	70.22	130	P 54 06.90 0.4					CMB	149.17	13	ePKP 50 02.40 4.8X
	0.7s	1.90nm	4.3mb					ARN	149.54	15	(PKP) 49 59.24 1.0
ASPA	72.60	133	eP 54 19.20 -1.6	GTA	55.63	30	Pd 39 48.50 -1.3	MSU	149.64	0	(PKP) 49 54.76 -3.8X
	1.0s	4.40nm	4.4mb		1.0s	8.00nm	4.7mb			i	50 04.39
		S.D. = 1.6 on 11 of 12 obs.		Z	20s	0.52um	4.6Msz	BCH	151.96	14	ePKP 50 03.52 1.5
										i	50 09.97
% SEP 16, 1993 20h 56m 53.18± 1.10s				XAN	57.02	40	P 39 58.00 -1.8			e	50 16.42
11.298 N ± 4.7km 61.881 W ±17.3km					1.0s	2.70nm	4.2mb	GSC	152.49	9	(PKP) 50 10.53 7.8X
DEPTH = 33.0km (normal)				BTO	61.93	35	eP 40 32.00 -1.6			S.D. = 1.2 on 56 of 62 obs.	
WINDWARD ISLANDS (95)				ASPA	64.75	112	eP 40 51.30 -1.2	% SEP 16, 1993 23h 30m 39.91s			
MD 3.5 (TRN).					0.8s	7.20nm	4.9mb	66.293 N 150.006 W			
				WB2	65.09	108	iPc 40 53.20 -1.5	DEPTH = 26.4km			
								NORTHERN ALASKA (676)			

16d 23h

<AEIC>. ML 2.5 (AEIC).

MLY	1.30	194	iP	31	02.00	-0.5
			eS	31	19.17	
IMA	1.51	263	eP	31	06.03	0.5
MDM	1.53	150	iP	31	05.34	-0.4
			eS	31	25.00	
IM3	1.55	260	eP	31	05.49	-0.6
FBA	1.67	146	eP	31	07.95	0.1
			eS	31	28.73	
GLM	1.70	139	iP	31	08.12	-0.2
			eS	31	28.72	
NEA	1.77	167	eP	31	10.17	1.0
CCB	1.89	150	eP	31	11.33	0.4
			eS	31	35.24	
FYU	1.94	80	eP	31	10.14	-1.5
			eS	31	36.10	
PRP	2.00	111	eP	31	12.22	-0.5
			eS	31	35.53	
IL1	2.01	138	eP	31	13.41	0.8
			eS	31	37.40	
ILB	2.01	138	eP	31	13.44	0.8
			eS	31	37.32	
HDA	2.29	145	eP	31	17.67	1.0
BM3	2.41	60	eP	31	17.19	-1.3
			eS	31	48.78	

14 obs. associated

? SEP 16, 1993 23h 33m 50.95± 1.23s
40.812 N ±10.1km 27.968 E ±11.9km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

ML 2.6 (ISK).

EDC	0.47	190	iPg	34	01.50	1.0
			eSg	34	08.00	
CTT	0.48	46	iPg	34	01.00	0.2
			iSg	34	07.50	
KGT	0.62	235	iPg	34	03.00	-0.4
			iSg	34	12.00	
KCT	0.64	152	ePg	34	03.00	-0.7
			eSg	34	11.00	

S.D. = 1.3 on 4 of 4 obs.

* SEP 16, 1993 23h 34m 59.57± 1.07s
50.441 N ±14.2km 18.870 E ± 6.0km
DEPTH = 10.0km (geophysicist)

POLAND (548)

ML 3.1 (WAR).

RAC	0.56	231	iP+	35	11.00	0.0
			iS	35	18.80	
OJC	0.64	110	iPg	35	12.30	0.0
			iSg	35	21.90	
SPC	1.54	144	iPn	35	27.20	0.0
			i(Pg)	35	34.90	
			i(Sn)	35	48.20	
			Lg	35	51.00	
KSP	1.69	285	ePn	35	29.70	0.4
			iPg	35	31.60	
			iS	35	54.00	
VRAC	1.86	233	iPnc	35	32.30	0.6
	0.3s	26.60nm				
			i	35	33.00	
			eSg	35	57.00	
ZST	2.53	208	e(P)	35	46.90	5.6X
PRU	2.82	262	ePn	35	45.00	-0.4
			Pg	35	52.00	
			eSg	36	27.20	
BRG	3.16	280	ePg	35	58.30	8.0X
			eSg	36	40.40	
KHC	3.67	251	ePn	35	57.00	-0.6
			ePg	36	07.00	
			eSn	36	30.00	
			eSg	36	44.00	
MOX	4.63	275	ePg	36	28.10	16.9X
			eSg	37	32.50	

S.D. = 0.5 on 7 of 10 obs.

SEP 16, 1993 23h 42m 50.30± 1.01s
32.845 S ± 6.7km 71.477 W ± 9.8km
DEPTH = 33.0km (normal)
NEAR COAST OF CENTRAL CHILE (135)
MD 4.2 (SAN).

IHA	0.23	217	iPd	42	56.20	-1.0
			iS	43	01.40	

ROCH	0.41	108	iPd	42	59.33	-0.5
			iS	43	06.78	
LCCH	0.63	187	iPd	43	02.41	-0.4
			iS	43	11.98	
PEL	0.73	114	iP+	43	04.21	0.0
			iS	43	15.92	
JACH	0.76	78	iP+	43	03.32	-1.4
			iS	43	14.47	
SAN	0.91	132	iP+	43	06.93	0.1
			iS	43	21.29	
TACH	0.92	151	iP+	43	07.34	0.4
			iS	43	21.67	
FCH	1.11	116	iP+	43	09.84	0.0
			iS	43	25.82	
LVN	1.11	177	iPd	43	09.61	0.1
			iS	43	26.01	
PCH	1.12	134	iP+	43	10.07	0.3
			iS	43	26.82	
CACH	1.47	150	iP+	43	16.46	1.7
			iS	43	38.07	
RTCB	2.64	60	ePd	43	32.50	0.9
RTCV	2.67	69	e(P)	43	39.90	7.9X
ZON	2.70	62	eP	43	33.10	0.7
RTLL	2.97	60	ePc	43	36.50	0.3
			(S)	44	19.50	
CFA	3.01	67	ePd	43	37.40	0.6
			S	44	19.00	
RTRS	3.17	33	eP	43	40.00	1.0
			(S)	44	21.00	
TCA	6.03	77	iP	44	17.00	-2.7
			(S)	44	56.50	
CYA	6.57	50	ePc	44	22.80	-4.4X

S.D. = 1.1 on 17 of 19 obs.

SEP 17, 1993 01h 03m 54.47± 0.34s
46.376 N ± 3.2km 7.402 E ± 3.6km
DEPTH = 5.0km (geophysicist)

SWITZERLAND (544)

ML 2.8 (LDG).

DIX	0.30	179	iPc	03	59.50	-1.0
EMS	0.45	227	iPd	04	03.00	-0.5
MMK	0.51	129	ePd	04	03.50	-1.2
LSD	0.93	191	P	04	12.19	-0.8
LPL	0.98	209	Pg	04	12.20	-1.5
LPG	0.99	208	Pg	04	12.80	-1.1
TMA	1.06	104	ePd	04	14.10	-0.9
LLS	1.21	65	ePc	04	17.10	-0.4
RSP	1.23	185	P	04	18.08	0.2
			S	04	32.42	
ZLA	1.30	31	eP	04	19.40	0.4
VDL	1.43	85	ePc	04	21.40	0.0
BSF	1.52	344	Pn	04	23.70	1.3
			Pg	04	24.70	
			Sg	04	45.10	
RRL	1.52	197	P	04	24.41	1.9
			S	04	43.47	
FEL	1.56	15	ePn	04	22.60	-0.4
SLE	1.58	28	iPc	04	22.80	-0.4
HAU	1.78	337	Pn	04	26.70	0.6
			Pg	04	29.40	
			Sn	04	49.50	
			Sg	04	53.00	
PZZ	1.88	187	P	04	29.06	1.3
			S	04	49.08	
OSS	1.92	80	eP	04	32.20	3.9X
PCP	2.00	156	P	04	32.20	2.8X
CDF	2.04	358	Pn	04	29.50	-0.4
			Pg	04	34.30	
			Sn	04	54.30	
			Sg	05	00.90	
LBF	2.43	286	Pn	04	35.10	-0.5
			Sg	05	11.40	
SMF	2.47	278	Pn	04	37.30	1.2
			Sg	05	13.90	
IMI	2.49	172	P	04	38.36	2.0
SBF	2.51	179	Pn	04	38.90	2.2
			Sn	05	10.40	
LOR	2.59	291	Pn	04	37.90	0.1
			Pg	04	45.80	
			Sg	05	16.70	
SSF	2.77	286	Pn	04	41.60	1.3
			Sg	05	23.20	
AVF	2.82	280	Pn	04	40.70	-0.4
FRF	2.87	191	Pn	04	42.00	0.3
BGF	3.15	275	Pn	04	44.20	-1.5
			Sn	05	22.90	

			Sg	05	35.00	
MAF	3.36	269	Pn	04	48.30	-0.3
			Sn	05	27.50	
			Sg	05	43.40	
HYF	3.39	287	Pn	04	49.20	0.1
			Sg	05	44.60	
TCF	3.60	270	Pn	04	51.30	-0.8
			Sn	05	33.70	
			Sg	05	50.70	
LSF	4.07	270	Pn	04	57.80	-0.9
			Sn	05	42.10	
			Sg	06	03.20	

S.D. = 1.1 on 31 of 33 obs.

* SEP 17, 1993 01h 39m 52.35± 1.60s
52.198 N ±24.1km 2.746 W ±18.5km
DEPTH = 10.0km (geophysicist)
UNITED KINGDOM (533)

ML 3.2 (LDG).

ETA	2.18	285	eP	40	29.30	0.2
			eS	40	57.50	
ECP	2.23	271	eP	40	31.40	1.6
			eS	40	59.40	
ECB	2.48	275	eP	40	33.30	-0.1
			eS	41	05.80	
DLF	2.55	297	eP	40	33.70	-0.7
			eS	41	07.30	
DCN	2.98	294	eP	40	39.80	-0.7
			eS	41	18.00	
FLN	3.73	156	Pn	40	51.20	0.0
			Pg	41	03.70	
			Sn	41	32.40	
			Sg	41	50.20	
LDF	3.98	154	Pn	40	54.00	-0.7
			Pg	41	07.00	
			Sn	41	35.60	
			Sg	41	56.00	
GRR	4.00	162	Pn	40	53.10	-1.9
			Sn	41	40.20	
LPF	4.31	165	Pn	40	58.90	-0.5
			Sn	41	46.80	
MFF	5.85	162	Pn	41	23.10	1.9
HYF	6.04	143	Pn	41	25.90	2.0
			Sn	42	25.90	
LOR	6.53	136	Pn	41	33.10	2.3
			Sn	42	35.60	
SSF	6.55	139	Pn	41	32.80	1.7
			Sn	42	38.80	
LSF	6.58	153	Pn	41	33.30	1.8
			Sn	42	41.60	
BGF	6.72	145	Pn	41	32.00	-1.5
			Sn	42	39.40	
TCF	6.74	149	Pn	41	31.90	-1.9
			Sn	42	45.80	
LBF	6.80	137	Pn	41	32.90	-1.8
			Sn	42	43.00	
MAF	6.92	148	Pn	41	34.40	-1.8

S.D. = 1.6 on 18 of 18 obs.

% SEP 17, 1993 01h 43m 22.60± 0.92s
40.150 N ± 8.5km 27.206 E ± 6.9km
DEPTH = 5.0km (geophysicist)

TURKEY (366)

ML 2.8 (ISK).

KGT	0.31	14	iPg	43	29.50	0.6
EDC	0.54	68	iPg	43	33.00	-0.4
			iSg	43	41.00	
MFT	0.64	5	iPg	43	34.50	-0.9
EZN	0.75	245	iPg	43	37.60	0.0
			iSg	43	48.10	
KCT	0.89	83	ePg	43	40.00	-0.1
			eSg	43	53.00	
CTT	1.36	43	iPn	43	49.00	0.8

S.D. = 0.8 on 6 of 6 obs.

? SEP 17, 1993 02h 20m 04.64± 1.60s
14.948 N ±29.5km 92.459 W ±23.8km
DEPTH = 33.0km (normal)
4.2mb (1 obs.)

17d 02h

ALQ 23.56 330 eP 25 12.80 -0.5
 SRU 28.84 330 (P) 26 02.21 -0.1
 MCMT 34.43 334 eP 26 51.80 0.3
 e 27 02.50
 YKA 50.01 347 eP 28 55.90 -1.7
 0.8s 2.10nm 4.2mb
 GBA 149.92 20 PKP 39 50.00 1.1
 S.D. = 1.2 on 9 of 9 obs.

? SEP 17, 1993 02h 25m 45.77± 3.73s
 51.274 N ±25.8km 16.049 E ±22.5km
 DEPTH = 10.0km (geophysicist)
 POLAND (548)

KSP 0.46 160 iPd 25 55.00 -0.1
 iS 26 02.80
 BRG 1.39 254 iPg 26 10.40 -0.7
 iSg 26 30.40
 PRU 1.61 217 Pn 26 13.40 -0.8
 Pg 26 16.10
 i 26 19.40
 Sg 26 39.70
 CLL 1.91 272 (Pg) 26 19.00 0.3
 eSg 26 46.00
 KHC 2.67 217 ePn 26 30.50 0.9
 ePg 26 35.50
 eSg 27 11.00
 GEC2 2.86 213 Pn 26 32.60 0.2
 Pg 26 38.20
 Sg 27 18.00
 MOX 2.87 259 ePg 26 37.70 5.3X
 iSg 27 17.90
 GRF 3.47 245 e(Pn) 26 41.00 0.2
 e(Pg) 26 53.40
 eSg 27 36.90
 S.D. = 0.7 on 7 of 8 obs.

& SEP 17, 1993 03h 05m 50.88s
 66.378 N 149.701 W
 DEPTH = 9.9km
 NORTHERN ALASKA (676)
 <AEIC>. ML 3.2 (AEIC), 3.8 (PMR).

MLY 1.42 198 eP 06 16.35 -0.4
 eS 06 34.83
 MDM 1.55 156 eP 06 18.12 -0.5
 eS 06 40.13
 IMA 1.64 261 eP 06 19.18 -0.8
 eS 06 42.02
 FBA 1.68 151 eP 06 19.37 -1.1
 IM3 1.69 258 eP 06 20.17 -0.4
 eS 06 43.68
 GLM 1.69 145 iP 06 20.44 -0.3
 eS 06 43.16
 FYU 1.80 82 eP 06 21.70 -0.5
 eS 06 48.59
 NEA 1.83 172 eP 06 21.09 -1.5
 CCB 1.91 155 eP 06 23.07 -0.7
 PRP 1.92 115 eP 06 23.80 -0.2
 eS 06 48.30
 IL1 1.99 143 eP 06 24.33 -0.7
 ILB 1.99 143 eP 06 24.37 -0.6
 eS 06 50.05
 BWN 2.22 177 eP 06 28.08 -0.2
 BM3 2.27 60 eP 06 29.23 0.3
 HDA 2.29 149 iP 06 28.46 -0.8
 MCK 2.68 173 iP 06 34.33 -0.5
 KTH 2.88 191 eP 06 38.34 0.6
 RND 3.01 173 iP 06 39.05 -0.4
 DHY 3.46 162 eP 06 46.01 0.0
 PAX 3.87 150 eP 06 51.40 -0.4
 CUT 4.00 184 eP 06 53.16 -0.3
 TMW 4.19 134 eP 06 55.03 -1.2
 SDG 4.26 153 eP 06 57.37 0.0
 TOA 4.56 159 P 07 02.70 1.2
 SML 4.63 172 eP 07 01.63 -0.9
 GH0 4.64 175 eP 07 04.17 1.5
 SCM 4.68 166 eP 07 04.63 1.3
 PWA 4.75 181 P 07 05.30 1.1
 BC3 4.75 131 eP 07 02.13 -2.1
 PMR 4.81 177 eP 07 06.77 1.7
 PMS 5.15 179 eP 07 11.10 1.2
 KLU 5.18 159 (P) 07 10.71 0.4
 INK 6.54 65 eP 07 54.00 24.6
 1.0s 3.00nm
 33 obs. associated

SEP 17, 1993 03h 10m 01.46± 1.37s
 14.225 N ±16.7km 93.109 W ±14.0km
 DEPTH = 33.0km (normal)
 4.1mb (4 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.06 50 iPc 10 20.60 0.5
 iS 10 40.00
 SCX 2.54 10 iP 10 44.00 2.8
 iS 11 23.30
 PPM 7.15 313 iP 11 47.70 0.8
 IIA 7.23 313 iP 11 47.80 0.3
 LTX 17.93 329 eP 14 11.58 1.5
 UYO 19.89 357 iPd 14 31.30 -1.7
 MIAR 20.24 359 eP 14 33.96 -2.7
 0.6s 4.26nm 4.0mb
 MEO 21.06 347 iPd 14 43.90 -1.2
 ALQ 23.88 332 eP 15 13.24 0.0
 0.9s 3.51nm 3.9mb
 TUC 24.18 321 eP 15 19.26 3.3X
 1.4s 9.46nm 4.1mb
 MCMT 34.81 335 eP 16 52.80 1.3
 ARE 37.23 144 eP 17 13.00 0.8
 YKA 50.57 347 eP 18 57.20 -1.5
 0.8s 5.70nm 4.6mb
 INK 59.92 344 eP 20 05.50 -0.8
 GBA 150.81 19 PKP 29 53.00 5.9X
 S.D. = 1.7 on 13 of 15 obs.

? SEP 17, 1993 04h 03m 00.05± 1.80s
 26.870 S ±10.2km 26.481 E ±26.9km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)

KSR 1.07 21 eP 03 21.50 0.7
 S 03 32.50
 SEK 1.77 145 iPd 03 32.60 0.9
 S 03 53.00
 SLR 1.97 55 eP 03 33.50 -1.1
 S 03 56.20
 BLF 2.25 187 eP 03 38.00 -0.6
 S.D. = 1.7 on 4 of 4 obs.

% SEP 17, 1993 04h 49m 37.43± 1.15s
 41.162 N ±10.3km 23.795 E ± 6.1km
 DEPTH = 10.0km (geophysicist)
 GREECE-BULGARIA BORDER REGION (363)
 ML 2.6 (THE).

SRS 0.16 254 iPg 49 41.69 0.6
 iSg 49 45.25
 SOH 0.48 225 iPg 49 47.25 0.1
 eSg 49 54.69
 KNT 0.68 270 iPg 49 50.33 -0.6
 iSg 50 00.46
 THE 0.82 230 ePg 49 53.50 0.2
 eSg 50 05.18
 OUR 0.84 170 iPg 49 54.09 0.5
 eSg 50 05.66
 PAIG 1.24 184 ePb 49 59.53 -0.9
 eSb 50 18.34
 ALN 1.72 98 ePb 50 07.70 0.1
 iSb 50 31.62
 S.D. = 0.6 on 7 of 7 obs.

? SEP 17, 1993 05h 12m 55.37± 0.96s
 23.550 N ±13.9km 121.848 E ±19.9km
 DEPTH = 33.0km (normal)
 4.1mb (5 obs.)
 TAIWAN (244)
 ML 3.8 (BJI).

QZH 3.28 296 Pn 13 46.20 0.6
 SSE 7.54 356 Pn 14 46.50 0.8
 Z 16s 0.90um
 NJ2 8.87 343 eP 15 08.00 3.7X
 XAN 15.40 316 P 16 32.50 0.6
 1.4s 21.00nm 4.2mb
 Z 10s 0.56um
 GTA 24.46 315 eP 18 12.00 -0.6
 1.0s 6.00nm 4.1mb
 WRA 44.91 163 P 21 09.90 1.0
 0.7s 0.70nm 3.7mb
 WB2 44.92 163 eP 21 08.90 -0.1
 0.8s 2.00nm 4.1mb
 GEC2 83.72 321 P 25 20.20 -2.2

0.9s 1.66nm 4.2mb
 S.D. = 1.4 on 7 of 8 obs.

SEP 17, 1993 05h 45m 47.15± 0.66s
 42.840 N ± 6.9km 1.184 W ± 5.7km
 DEPTH = 10.0km (geophysicist)
 PYRENEES (378)
 MD 3.2 (BTH). ML 3.0 (LDG). mbLg
 2.9 (MDD). Felt (III) in the
 epicentral area.

ELIZ 0.41 322 iPd 45 55.52 0.0
 eS 46 01.80
 BTH 0.77 68 ePn 46 01.80 -0.4
 i(Pg) 46 02.50
 i 46 10.40
 i 46 13.80
 iSg 46 17.80
 EGRA 0.91 135 eP 46 11.88 7.4X
 eS 46 29.40
 ECRI 1.00 257 iPd 46 06.09 -0.1
 eS 46 20.40
 EPF 1.14 80 Pn 46 08.70 0.2
 Sg 46 26.70
 ETOR 2.12 198 eP 46 23.29 0.1
 eS 46 48.70
 LFF 2.52 33 Pn 46 29.70 1.0
 Sn 47 01.30
 LPO 2.52 42 Pn 46 29.70 0.9
 Sn 47 01.40
 Sg 47 11.00
 RJF 3.14 37 Pn 46 38.50 0.9
 Sn 47 15.20
 CAF 3.14 47 Pn 46 37.60 0.0
 Sn 47 16.90
 MFF 3.83 11 Pn 46 47.90 0.4
 Sn 47 33.10
 LSF 3.92 29 Pn 46 49.00 0.3
 Sn 47 34.90
 TCF 4.22 34 Pn 46 51.60 -1.3
 Sn 47 42.10
 MAF 4.32 37 Pn 46 54.50 0.2
 Sn 47 43.30
 BGF 4.70 36 Pn 46 57.50 -2.2
 Sn 47 53.20
 S.D. = 1.0 on 14 of 15 obs.

& SEP 17, 1993 06h 09m 24.69s
 66.412 N 149.704 W
 DEPTH = 9.6km
 NORTHERN ALASKA (676)
 <AEIC>. ML 2.9 (AEIC).

MLY 1.45 198 iP 09 50.57 -0.5
 eS 10 08.76
 MDM 1.58 157 eP 09 52.10 -0.8
 eS 10 13.87
 IMA 1.65 260 ePn 09 52.29 -1.6
 ePg 09 54.67
 IM3 1.70 257 eP 09 54.08 -0.5
 eS 10 17.20
 FBA 1.71 152 ePnd 09 53.77 -1.0
 ePg 09 56.93
 GLM 1.72 145 eP 09 54.37 -0.6
 eS 10 17.34
 FYU 1.80 83 eP 09 56.21 0.2
 NEA 1.86 172 eP 09 55.52 -1.4
 eS 10 22.82
 PRP 1.93 116 eP 09 58.03 -0.1
 eS 10 22.17
 CCB 1.94 155 eP 09 57.10 -1.0
 IL1 2.02 143 eP 09 59.29 0.1
 ILB 2.02 143 eP 09 59.41 0.2
 eS 10 24.52
 BM3 2.25 61 eP 10 03.20 0.6
 HDA 2.32 149 eP 10 02.81 -0.8
 TTA 4.42 221 (P) 10 43.35 9.9
 PMR 4.85 177 (P) 10 56.12 16.7
 KLU 5.21 160 (P) 10 42.22 -2.4
 17 obs. associated

% SEP 17, 1993 06h 49m 07.62± 1.34s
 11.281 N ± 5.9km 62.047 W ±18.3km
 DEPTH = 80.0km (geophysicist)
 WINDWARD ISLANDS (95)
 MD 3.5 (TRN).

17d 06h

TCE 0.65 154 eP 49 23.03 0.1
 TRN 0.89 135 iPd 49 25.79 0.2
 GRW 0.95 23 eP 49 27.53 1.1
 TFP 1.12 149 eP 49 28.28 -0.1
 PIG 1.19 96 eP 49 29.61 0.4
 TBH 1.25 129 eP 49 29.71 -0.3
 BOT 1.31 95 eP 49 30.66 -0.1
 FCV 2.02 23 eP 49 40.70 0.3
 SVB 2.13 21 eP 49 41.11 -0.7
 SVV 2.18 22 eP 49 41.86 -0.7

S.D. = 0.6 on 10 of 10 obs.

% SEP 17, 1993 07h 13m 17.47± 0.74s
 31.270 S ± 11.7km 68.505 W ± 12.5km
 DEPTH = 100.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)

RTCB 0.33 229 ePd 13 32.50 0.0
 CFA 0.41 146 ePc 13 33.20 0.3
 RTCV 0.59 183 eP 13 34.00 -0.2
 RTRS 1.37 323 eP 13 42.50 0.0
 RTPR 1.97 61 eP 13 50.00 -0.1

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

* SEP 17, 1993 07h 21m 41.77± 0.81s
 38.614 N ± 7.8km 26.594 E ± 4.5km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 3.9 (THE), 3.7 (ISK).

IZM 0.57 112 iPg 21 53.00 -0.3
 EZN 1.23 350 iPn 22 04.20 -0.4
 EDC 1.99 29 ePn 22 16.00 0.2
 BNT 2.02 30 iPn 22 16.50 0.2
 KCT 2.13 39 ePn 22 18.00 0.2
 MFT 2.23 14 ePn 22 18.00 -1.4
 ALN 2.32 350 ePn 22 20.80 0.2
 PAIG 2.62 301 ePn 22 25.27 0.5
 ALT 2.78 80 ePn 22 27.20 -0.1
 CTT 2.90 29 ePn 22 30.00 1.2
 ISK 3.10 37 ePn 22 32.00 0.4
 HRT 3.24 46 ePn 22 40.50 6.8X
 DMK 3.33 15 ePn 22 33.80 -1.1
 SOH 3.33 312 ePn 22 34.01 -1.0
 EYL 3.37 54 ePn 22 44.30 8.6X
 SRS 3.40 318 ePn 22 35.96 0.0
 KNT 3.82 313 iPn 22 42.00 0.1
 GRG 3.99 307 ePn 22 44.76 0.5
 MLR 6.89 356 eP 23 26.00 0.6

S.D. = 0.7 on 17 of 19 obs.

% SEP 17, 1993 07h 24m 28.80± 0.78s
 26.842 S ± 6.6km 26.758 E ± 8.7km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.3 (PRE).

BFS 0.06 157 eP 24 30.10 -0.4
 KSR 0.98 7 eP 24 47.50 -0.5
 SWZ 1.32 255 eP 24 54.00 0.2
 SEK 1.66 153 eP 24 59.00 0.1
 SLR 1.76 51 eP 25 00.80 0.6

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

? SEP 17, 1993 07h 27m 53.45± 7.76s

38.311 N ± 52.1km 26.323 E ± 41.6km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 3.2 (ISK).

IZM 0.74 83 ePg 28 08.00 -0.1
 EZN 1.51 0 iPn 28 20.70 0.2
 KGT 2.27 19 ePn 28 31.00 -0.5
 EDC 2.36 30 ePn 28 33.00 0.2
 KCT 2.50 39 ePn 28 35.00 0.2
 MFT 2.58 16 iPn 28 36.00 0.0

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

% SEP 17, 1993 07h 50m 15.86± 0.72s
 44.412 N ± 5.7km 7.180 E ± 7.8km
 DEPTH = 5.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.3 (GEN).

PZZ 0.11 329 P 50 18.89 0.6
 STV 0.20 148 P 50 19.99 0.1
 ENR 0.25 137 P 50 21.08 0.1
 ROB 0.51 103 P 50 26.54 0.5
 RRL 0.58 331 P 50 27.21 -0.3
 IMI 0.72 134 P 50 29.69 -0.5
 RSP 0.74 4 P 50 30.37 -0.3
 PCP 0.99 82 P 50 35.05 0.0
 LSD 1.05 359 P 50 36.21 0.0

S.D. = 0.4 on 9 of 9 obs.

? SEP 17, 1993 08h 16m 10.10± 1.03s
 6.583 N ± 35.8km 72.689 W ± 36.4km
 DEPTH = 150.0km (geophysicist)
 NORTHERN COLOMBIA (99)

FUQ 1.52 223 iP 16 39.00 -1.6
 BOG 2.38 215 eP 16 52.00 1.4
 SDV 3.06 42 iPnd 17 00.20 1.2
 TOV 4.28 42 ePnd 17 15.40 0.5
 CEOS 4.95 60 iPd 17 23.90 0.1
 MORO 6.07 45 eP 17 37.60 -1.2
 OLLA 6.75 59 eP 17 47.60 -0.5

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

% SEP 17, 1993 09h 10m 33.35s
 61.887 N 150.409 W
 DEPTH = 42.9km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.7 (AEIC).

PWA 0.35 133 P 10 42.50 0.2
 SUA 0.45 201 iP 10 43.69 -0.1
 CUT 0.52 7 iP 10 43.88 -0.6
 SKT 0.54 281 eP 10 43.66 -1.1
 PLRM 0.68 115 iP 10 45.67 -0.9
 PMR 0.68 115 iPc 10 45.32 -1.3
 GH0 0.71 99 iP 10 46.61 -0.6
 PMS 0.76 147 P 10 47.20 -0.6
 CGLM 0.96 233 eP 10 49.47 -1.2
 NCG 0.97 241 eP 10 49.42 -1.3
 SML 0.99 94 iP 10 49.93 -1.1
 CRP 1.04 234 eP 10 50.20 -1.7
 SPU 1.06 229 eP 10 50.88 -1.1
 CP2 1.08 235 eP 10 51.22 -1.2
 CKN 1.08 233 eP 10 51.90 -0.4
 CKT 1.10 232 eP 10 51.75 -0.9
 BGL 1.14 237 eP 10 52.13 -1.0
 HUR 1.15 18 eP 10 52.49 -0.8

NKA 1.22 200 eP 10 55.76 1.6
 SLKM 1.39 176 iP 10 55.25 -1.4
 PWL 1.44 135 eP 10 56.04 -1.3
 CFI 1.45 118 eP 10 56.27 -1.2
 SCM 1.46 91 iP 10 56.90 -0.8
 MPA 1.49 160 eP 10 57.40 -0.7
 TRF 1.57 2 eP 10 58.22 -1.2
 RDT 1.63 217 eP 11 00.19 0.0
 RND 1.69 25 eP 10 59.94 -1.0
 KTH 1.69 352 iP 10 59.84 -1.1
 DFR 1.70 221 eP 11 00.71 -0.5
 REF 1.79 219 eP 11 01.57 -0.9
 RDW 1.83 221 eP 11 02.29 -0.7
 DHY 1.85 48 eP 11 02.36 -0.9
 SEW 1.85 165 eP 11 03.01 -0.1
 MCK 1.97 19 eP 11 04.69 -0.2
 TOA 2.01 82 P 11 05.00 -0.5
 VLZ 2.10 109 eP 11 04.42 -2.2
 KLU 2.18 98 eP 11 06.22 -1.7
 ILIM 2.20 216 eP 11 07.48 -0.7
 TZL 2.36 84 P 11 09.90 -0.5
 SDG 2.37 72 eP 11 09.83 -0.8
 CNPM 2.40 190 eP 11 10.66 -0.4
 HIN 2.41 127 eP 11 08.83 -2.4
 PAX 2.54 62 eP 11 13.32 0.2
 SVW 2.62 255 P 11 12.00 -2.2
 CVA 2.63 119 eP 11 11.84 -2.4
 OPT 2.63 213 eP 11 13.55 -0.9
 FBA 3.25 20 eP 11 20.14 -2.9

47 obs. associated

& SEP 17, 1993 09h 30m 21.79s
 60.489 N 151.796 W
 DEPTH = 64.3km
 KENAI PENINSULA, ALASKA (14)
 <AEIC>. ML 2.6 (AEIC).

NKA 0.38 47 iP 30 34.45 1.4
 DFR 0.45 284 iP 30 33.24 -0.7
 RED 0.49 262 eP 30 33.63 -0.6
 RDW 0.50 270 iP 30 33.88 -0.6
 NCT 0.57 278 eP 30 34.38 -0.7
 BKG 0.63 339 eP 30 35.19 -0.6
 SPU 0.71 350 iP 30 35.77 -0.9
 ILIM 0.71 235 iP 30 35.82 -0.9
 CKT 0.74 344 eP 30 36.60 -0.5
 CKN 0.76 346 eP 30 36.85 -0.5
 INE 0.76 236 eP 30 37.53 0.1
 SLKM 0.78 88 iP 30 36.83 -0.7
 INW 0.79 238 iP 30 36.98 -0.7
 CRP 0.80 347 eP 30 36.63 -1.3
 CP2 0.81 345 iP 30 37.65 -0.4
 CGLM 0.83 353 iP 30 37.50 -0.7
 BGL 0.83 340 eP 30 37.55 -0.7
 HOM 0.84 175 eP 30 37.86 -0.3
 BRK 0.86 148 eP 30 37.82 -0.7
 NCG 0.93 349 eP 30 39.01 -0.5
 CNPM 1.01 164 eP 30 39.70 -0.7
 XLV 1.04 178 eP 30 40.09 -0.7
 OPT 1.10 221 iP 30 40.97 -0.7
 SUA 1.10 27 iP 30 41.37 -0.4
 MPA 1.21 89 eP 30 42.58 -0.4
 SEW 1.23 107 eP 30 42.52 -0.8
 PMS 1.33 54 P 30 44.20 -0.5
 AUL 1.38 217 eP 30 45.22 -0.2
 AUE 1.38 216 eP 30 43.88 -1.5
 PDB 1.39 241 eP 30 43.62 -1.9
 AUP 1.40 217 eP 30 44.86 -0.8
 AUH 1.40 217 eP 30 45.10 -0.6
 AUW 1.40 218 eP 30 44.80 -0.9
 PWA 1.49 38 P 30 46.90 0.0
 PLRM 1.71 48 eP 30 49.23 -0.6
 PMR 1.71 48 eP 30 49.88 0.1
 PWL 1.74 76 eP 30 48.71 -1.7

17d 09h

SVW 1.98 290 (P) 30 50.51 -3.1
 CUT 2.06 20 eP 30 53.85 -0.8
 CFI 2.09 69 eP 30 53.11 -2.0
 VLZ 2.75 74 eP 31 02.21 -2.2
 KLU 3.03 68 eP 31 05.89 -2.6
 KTH 3.10 7 eP 31 08.54 -0.9
 FBA 4.80 21 eP 31 30.44 -2.7
 44 obs. associated

SEP 17, 1993 09h 37m 55.31± 0.47s
 46.992 N ± 6.1km 10.681 E ± 3.7km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.4 (VIE), 2.2 (FUR).

OGA 0.27 118 iPg 38 02.00 1.0
 iSg 38 06.30
 SQTa 0.43 57 iPg 38 03.90 -0.2
 iSg 38 09.80
 MOTA 0.46 39 iPg 38 04.00 -0.6
 iSg 38 10.80
 OSS 0.48 231 iPc 38 04.60 -0.5
 WATA 0.70 60 iPg 38 08.70 -0.6
 iSg 38 18.90
 SCE 0.71 86 iPg 38 09.40 0.0
 WTTA 0.71 67 iPg 38 09.00 -0.4
 iSg 38 19.00
 VDL 0.97 239 ePd 38 13.30 -0.7
 LLS 1.16 265 P 38 17.50 0.4
 FUR 1.24 19 ePg 38 19.40 1.0
 ZLA 1.64 288 ePd 38 25.90 1.6
 SLE 1.68 298 iPc 38 24.60 -0.2
 KBA 1.82 86 iPg 38 29.70 2.6X
 iSg 38 54.70
 FEL 2.02 297 ePn 38 29.00 -0.9
 DIX 2.43 249 Pd 38 41.50 5.5X
 GEC2 2.75 47 Pg 38 46.30 5.9X
 Sn 39 13.60
 Sg 39 22.40

S.D. = 0.8 on 13 of 16 obs.

* SEP 17, 1993 09h 43m 31.66± 2.56s
 33.704 S ± 8.9km 72.050 W ± 17.9km
 DEPTH = 10.0km (geophysicist)
 OFF COAST OF CENTRAL CHILE (134)
 MD 4.1 (SAN).

LCCH 0.46 61 iP+ 43 41.77 0.7
 iS 43 51.74
 LNV 0.59 115 iP+ 43 43.73 0.2
 iS 43 53.53
 IHA 0.76 27 eP 43 46.70 0.2
 i(S) 43 59.10
 TACH 0.93 87 iP+ 43 49.05 -0.4
 iS 44 04.29
 ROCH 1.14 50 iPd 43 52.99 -0.1
 iS 44 10.49
 SAN 1.19 78 iP+ 43 53.38 -0.4
 PEL 1.27 64 iP+ 43 55.42 0.1
 iS 44 14.71
 CACH 1.27 109 iP+ 43 55.66 0.3
 iS 44 15.05
 PCH 1.28 87 iP+ 43 54.93 -0.6
 iS 44 15.78
 JACH 1.59 51 eP 43 59.13 -0.9
 RTCB 3.52 52 ePd 44 18.50 -9.1X
 RTRS 4.15 33 e(P) 44 36.50 0.0
 MRA 5.48 78 eP 44 56.10 0.8

S.D. = 0.6 on 12 of 13 obs.

% SEP 17, 1993 09h 53m 05.36± 0.76s
 26.239 S ± 7.3km 28.172 E ± 8.1km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.3 (PRE).

SLR 0.51 11 iPd 53 16.10 0.5
 S 53 22.70
 PRY 0.93 222 eP 53 23.00 -0.7
 S 53 35.30
 KSR 1.21 288 eP 53 28.00 -0.4
 S 53 45.00
 BFT 1.77 72 eP 53 36.50 -0.6
 S 53 57.50
 SEK 2.13 193 eP 53 43.00 0.8
 S 54 09.50
 SWZ 2.71 249 eP 53 51.00 0.4

S 54 23.10
 S.D. = 0.8 on 6 of 6 obs.
 * SEP 17, 1993 09h 59m 46.94± 1.69s
 14.239 N ± 21.9km 92.798 W ± 12.2km
 DEPTH = 33.0km (normal)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.2 (GCG).

PCG 2.13 86 eP 00 20.72 -0.4
 IXG 2.27 91 eP 00 23.20 0.1
 SCX 2.49 4 iP 00 26.00 0.0
 iS 00 56.00
 YUP 2.91 90 eP 00 32.36 0.3
 PPM 7.36 311 (P) 01 35.30 -0.1
 LTX 18.08 328 eP 03 57.50 0.1
 S.D. = 0.3 on 6 of 6 obs.

SEP 17, 1993 10h 17m 55.71± 1.28s
 40.022 N ± 5.3km 19.937 E ± 13.6km
 DEPTH = 10.0km (geophysicist)
 ALBANIA (391)

SRN 0.15 161 iPg 17 59.50 0.3
 iSg 18 03.10
 TPE 0.28 12 iPg 18 02.50 0.9
 IGT 0.58 148 eP 18 07.12 -0.3
 eS 18 18.32
 OHR 1.27 31 ePn 18 18.60 -0.7
 TTR 1.33 358 ePn 18 19.70 -0.4
 FNA 1.34 55 eP 18 19.24 -1.1
 eS 18 40.16
 LIT 1.96 87 eP 18 36.44 7.1X
 GRG 2.10 63 eP 18 32.44 1.1
 KNT 2.53 62 eP 18 38.24 0.8
 SOH 2.73 72 eP 18 45.44 5.0X
 EYL 7.83 83 ePn 19 52.00 -0.5
 S.D. = 0.9 on 9 of 11 obs.

* SEP 17, 1993 10h 19m 42.34± 1.49s
 14.879 N ± 4.5km 61.103 W ± 28.1km
 DEPTH = 163.1 ± 15.1 km
 WINDWARD ISLANDS (95)
 MD 3.9 (TRN).

FDF 0.15 198 eP 20 05.31 -0.1
 S 20 22.40
 CRM 0.22 124 eP 20 04.97 -0.5
 S 20 21.00
 BIM 0.36 175 eP 20 05.60 -0.3
 MVM 0.38 148 eP 20 05.77 -0.2
 SLW 0.87 169 eP 20 08.06 0.4
 eS 20 26.79
 SLB 1.05 177 eP 20 09.33 0.2
 eS 20 28.94
 MGG 1.05 349 iPc 20 09.39 0.3
 S 20 29.20
 PAG 1.27 334 iPc 20 11.35 0.3
 S 20 32.62
 SPG 1.37 356 ePc 20 12.21 0.3
 DEG 1.43 2 eP 20 12.51 0.0
 S 20 34.41
 SVV 1.56 184 eP 20 14.12 0.3
 eS 20 39.52
 SEG 1.56 346 iPc 20 14.16 0.3
 SVB 1.60 185 eP 20 14.57 0.2
 eS 20 40.46
 FCV 1.72 185 eP 20 15.33 -0.2
 eS 20 41.74
 BPA 2.27 341 iPc 20 21.12 -0.7
 S 20 49.60
 GRW 2.76 191 eP 20 27.40 -0.4
 eS 21 05.48
 TRN 4.22 184 eP 20 46.49 0.1
 eS 21 32.78
 S.D. = 0.4 on 17 of 17 obs.

SEP 17, 1993 10h 34m 52.52± 0.54s
 49.166 N ± 3.9km 6.870 E ± 6.8km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 ML 2.6 (STR), 2.1 (UCC).

RUP 0.55 13 ePg 35 03.70 0.0
 LANF 0.64 106 Pg 35 05.39 0.0
 WLF 0.68 317 iPd 35 06.22 0.2
 iS 35 16.07

CDF 0.80 160 Pg 35 07.46 -0.7
 Sg 35 18.37
 WLS 0.82 157 Pg 35 07.69 -0.7
 Sg 35 18.73
 ABH 0.84 31 ePg 35 08.50 -0.3
 ECH 0.97 169 Pg 35 11.23 0.2
 Sg 35 23.92
 VITF 1.12 212 Pg 35 13.12 -0.3
 Sg 35 27.00
 MOF 1.33 172 Pg 35 17.52 0.4
 Sg 35 35.07
 FEL 1.50 149 Pg 35 20.78 1.2
 Sn 35 40.25
 LOMF 1.82 181 Pg 35 26.90 2.7X
 S.D. = 0.6 on 10 of 11 obs.

* SEP 17, 1993 10h 45m 47.82± 1.97s
 63.217 N ± 10.8km 27.513 E ± 24.5km
 DEPTH = 10.0km (geophysicist)
 FINLAND (721)

KAF 1.24 207 iP 46 09.50 -1.4
 eS 46 25.70
 NUR 3.04 208 eP 46 38.20 1.5
 ARAO 6.40 354 ePn 47 24.18 -0.2
 eSn 48 35.79
 eLg 49 09.49
 HFS 7.26 251 eP 47 36.10 -0.3
 0.2s 1.00nm 4.6mb
 NRAO 7.92 259 ePn 47 46.09 0.4
 eSn 49 11.67
 eLg 50 02.02
 S.D. = 1.5 on 5 of 5 obs.

% SEP 17, 1993 10h 57m 16.87± 1.68s
 41.390 N ± 13.9km 29.358 E ± 10.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

ISK 0.39 215 iPg 57 24.10 -0.8
 HRT 0.61 157 iPn 57 29.00 -0.3
 EYL 1.02 143 ePn 57 36.50 0.2
 DMK 1.28 290 ePn 57 39.80 -0.7
 MFT 1.68 250 ePn 57 47.00 0.5
 KGT 1.82 240 iPn 57 49.50 1.1
 S.D. = 1.0 on 6 of 6 obs.

SEP 17, 1993 11h 00m 01.33± 0.55s
 49.100 N ± 4.7km 6.869 E ± 5.6km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 ML 2.6 (STR), 2.1 (UCC).

LANF 0.63 101 Pg 00 13.51 -0.4
 WLF 0.73 321 iPd 00 14.75 -1.0
 iS 00 24.04
 HOFF 0.74 102 Pg 00 16.20 0.4
 CDF 0.74 158 Pg 00 15.76 -0.1
 Sg 00 25.67
 WLS 0.76 155 Pg 00 16.04 -0.2
 Sg 00 26.86
 ECH 0.91 168 Pg 00 18.75 0.1
 Sg 00 32.03
 VITF 1.06 214 Pg 00 21.32 0.0
 Sg 00 36.18
 MOF 1.26 172 Pg 00 24.66 -0.2
 Sg 00 43.35
 FEL 1.44 148 Pg 00 28.76 1.2
 Sn 00 47.52
 LOMF 1.75 181 Pg 00 31.72 -0.3
 ENN 1.78 340 ePg 00 33.50 1.2
 0.6s 15.60nm
 eSg 00 54.00
 GEC2 4.51 91 Pn 01 10.50 -0.8
 Sg 02 27.00
 S.D. = 0.7 on 12 of 12 obs.

SEP 17, 1993 11h 01m 16.54± 0.87s
 6.818 S ± 5.4km 125.246 E ± 7.7km
 DEPTH = 525.4 ± 14.9 km
 4.8mb (17 obs.)

BANDA SEA (280)
 MTN 8.34 136 iPc 03 18.30 0.3
 0.3s 435.00nm 6.1mb X
 KNA 9.52 159 eP 03 30.00 -0.3

17d 11h

MBL 15.19 200 iPd 04 28.30 0.1
0.4s 21.00nm 5.1mb
KKM 15.64 325 eP 04 14.00 -18.8X
WB2 15.76 147 iPc 04 33.50 -0.4
0.5s 65.70nm 5.5mb
i 07 20.40
NANU 18.24 210 eP 04 58.50 0.5
0.4s 8.00nm 4.7mb
ASPA 18.70 155 iPc 05 02.60 0.0
0.7s 99.40nm 5.6mb
eS 08 04.20
eScS 15 24.70
QIS 19.50 136 iPc 05 09.30 -0.8
CTA 24.28 125 iPc 05 53.10 -0.8
0.7s 66.78nm 5.3mb
STK 29.23 151 iPc 06 36.20 -1.0
0.7s 24.60nm 4.9mb
ADE 30.64 158 iPd 06 49.30 0.0
ARMA 34.12 137 iPd 07 19.60 0.8
0.5s 10.00nm 4.7mb
BWA 34.81 145 iPc 07 25.80 1.3
TOO 35.72 152 iPd 07 32.80 0.9
0.4s 24.00nm 5.1mb
CAN 35.79 146 iPc 07 32.70 0.2
GYA 37.67 332 P 07 49.00 0.9
1.0s 18.00nm 4.6mb
NJ2 39.13 351 Pc 08 00.60 0.8
TKSJ 41.43 11 P 08 19.00 0.7
WKYJ 41.97 13 eP 08 23.30 0.6
YONJ 42.49 10 P 08 27.50 0.8
DZM 42.51 115 iPd 08 26.60 -0.6
CD2 42.79 332 iPd 08 28.60 -0.5
XAN 43.48 340 P 08 33.50 -1.1
0.8s 17.00nm 4.6mb
MAT 44.81 15 eP 08 44.00 -0.9
0.7s 6.85nm 4.3mb
YAMJ 46.83 16 P 09 01.00 0.7
LZH 47.18 336 iPd 09 03.50 0.3
1.0s 29.00nm 4.8mb
OFUJ 48.14 17 P 09 09.60 -0.6
MDJ 51.35 4 eP 09 33.50 -0.4
1.0s 29.00nm 4.6mb
GUN 51.35 314 P 09 34.40 -0.3
0.6s 34.00nm 4.9mb
GTA 51.67 335 Pd 09 36.00 -0.5
1.0s 8.00nm 4.1mb
KKN 51.71 314 P 09 36.80 -0.4
0.6s 23.00nm 4.7mb
DMN 51.73 313 P 09 37.00 -0.4
0.6s 13.00nm 4.5mb
S.D. = 0.7 on 31 of 32 obs.

? SEP 17, 1993 11h 04m 06.93± 5.72s
31.465 S ±38.7km 69.351 W ±71.1km
DEPTH = 120.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

ZON 0.58 98 iPd 04 25.80 0.1
eS 04 38.80
RTLL 0.77 80 ePc 04 27.00 -0.1
S 04 41.00
RTCV 0.80 120 iPd 04 27.50 0.1
S 04 42.00
CFA 0.96 99 iPc 04 28.80 -0.1
S 04 45.00
RTPR 2.70 65 eP 04 50.00 0.1
S.D. = 0.2 on 5 of 5 obs.

% SEP 17, 1993 11h 17m 18.60± 2.17s
38.997 N ±12.2km 30.215 E ±23.2km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.0 (ISK).

ALT 0.10 306 iPg 17 19.90 -1.5
KHL 0.86 219 iPg 17 35.20 -0.1
eSg 17 47.70
GPA 1.29 3 iPn 17 42.20 -0.4
EYL 1.57 358 ePn 17 47.00 0.4
KCT 1.90 312 iPn 17 53.00 1.6
S.D. = 1.6 on 5 of 5 obs.

% SEP 17, 1993 11h 33m 58.50± 0.73s
37.572 S ± 8.5km 177.328 E ± 7.5km
DEPTH = 150.0km (geophysicist)
OFF E. COAST OF N. ISLAND, N.Z. (160)

URZ 0.71 194 Pc 34 20.90 -0.3
S 34 36.70
HBZ 0.77 92 P 34 21.50 -0.2
PUZ 0.89 125 Pc 34 22.50 -0.2
S 34 39.00
TAZ 0.93 224 P 34 23.20 0.3
PATZ 1.17 226 P 34 25.70 0.5
NOZ 1.18 152 Pc 34 25.70 0.5
PAHZ 1.30 189 P 34 26.70 0.3
WLZ 1.41 257 Pc 34 27.80 0.4
S 34 49.20
KUZ 1.53 302 P 34 27.60 -1.0
MOH 1.56 185 P 34 29.60 0.5
MAHZ 1.67 165 P 34 31.20 1.0
TTH 2.01 191 P 34 34.30 0.3
NGZ 2.10 220 P 34 36.00 0.6
CNZ 2.15 220 eP 34 36.20 0.4
MOZ 2.20 244 eP 34 37.40 1.0
WAHZ 2.26 199 P 34 36.80 -0.3
TEHZ 2.45 189 P 34 39.00 -0.4
PGZ 3.15 195 P 34 46.80 -1.5
MNG 3.36 205 P 34 49.20 -1.9
S 35 27.90

S.D. = 0.8 on 19 of 19 obs.

SEP 17, 1993 11h 35m 06.29± 0.14s
52.941 N ± 3.3km 158.722 E ± 2.3km
DEPTH = 94.4km (12 depth phases)
5.1mb (86 obs.)

NEAR EAST COAST OF KAMCHATKA (218)

PET 0.09 330 iPnc+ 35 22.00 3.5X
eS 35 32.00
SKR 2.80 217 iPnc 35 50.00 0.1
iS 36 20.30
MGD 8.40 332 ePnc 37 09.00 2.0
e 38 40.00
SMY 9.32 85 eP 37 18.14 -1.3
eS 38 53.17
YSS 11.88 246 ePnc 37 56.50 2.9X
Z 13s 0.60um
KUSJ 13.57 229 eP 38 10.30 -5.6X
ASAJ 13.81 237 eP 38 20.60 1.6
HOJ 14.79 231 eP 38 27.90 -3.6X
MRRJ 15.83 235 eP 38 42.50 -2.2
AOMJ 17.58 233 P 39 02.80 -3.6X
YAK 17.90 312 iPd- 39 09.50 -0.6
1.0s 674.00nm 5.8mb
OFUJ 18.17 227 P 39 08.80 -4.7X
ILT 18.50 27 iPc 39 16.80 -0.5
1.0s 64.00nm 4.8mb
eS 42 39.00

YAMJ 19.64 229 P 39 29.40 -0.3
MDJ 20.81 258 eP 39 41.00 -0.6
NIIJ 20.88 229 P 39 42.20 -0.1
KAKJ 21.22 225 eP 39 44.90 -0.8
ANM 21.61 43 eP 39 49.51 0.0
MAT 21.81 229 eP 39 52.00 0.3
1.2s 85.94nm 5.0mb
eS 43 45.00

CHJJ 21.86 227 eP 39 51.90 -0.3
MTMJ 21.96 230 eP 39 54.70 1.4
IIDJ 22.82 228 eP 40 02.20 0.6
TIK 22.87 336 iPc+ 40 04.00 2.3
0.8s 120.00nm 5.3mb
i 40 26.00
e 44 04.00

TSRJ 23.67 232 eP 40 12.50 2.7X
CN2 23.73 261 eP 40 09.00 -1.3
1.0s 21.00nm 4.5mb
Z 15s 0.35um 4.0MsZ
epP 40 30.00 96km

WKYJ 24.93 231 P 40 24.90 3.0X
YONJ 25.18 235 P 40 25.70 1.6
TTA 25.48 49 eP 40 26.80 0.0
0.7s 24.52nm 4.8mb
e 40 42.21
e 41 00.35

SVW 25.67 53 ePc 40 28.92 0.4
0.8s 57.56nm 5.1mb
e 40 42.04

TKSJ 25.86 233 P 40 32.00 1.6
CIT 27.16 286 eP 40 42.00 -0.3
CP2 27.29 53 eP 40 44.21 0.7
CRP 27.33 53 eP 40 42.11 -1.8
e 41 16.66
KDC 27.66 60 eP 40 43.72 -2.8

SLKM 28.36 54 eP 40 51.40 -1.5
KUMJ 28.61 236 P 40 57.10 1.7
PMR 28.75 52 ePd 40 55.31 -1.0
0.8s 29.24nm 5.0mb
FBA 29.12 45 eP 40 58.85 -0.8
0.5s 6.15nm 4.5mb
esP 41 32.29
KAGJ 29.67 234 P 41 06.90 2.0
TOA 30.08 50 eP 41 08.20 -0.1
KLU 30.29 52 eP 41 08.82 -1.3
BJI 31.53 263 eP 41 18.50 -2.6
1.2s 80.00nm 5.3mb
Z 16s 0.35um 4.1MsZ
ZAK 33.76 288 eP 41 41.00 0.6
e 42 13.00
e 43 00.50
e 44 15.00
INK 34.50 37 ePc 41 46.90 0.4
0.9s 17.00nm 4.9mb
NRI 35.35 325 iPd 41 52.30 -1.5
1.8s 58.00nm 5.2mb
e 43 16.00
e 43 40.00
e 44 21.00
NJ2 35.43 250 eP 41 54.00 -0.8
LZH 41.51 269 eP 42 44.50 -1.1
1.5s 27.00nm 4.9mb
Z 25s 0.27um 4.0MsZ
GTA 41.80 276 eP 42 47.00 -0.9
1.0s 13.00nm 4.7mb
PcP 44 41.00
ScP 48 23.50
PcS 48 33.00
ScS 52 36.50
RES 43.77 22 eP 43 04.00 0.7
1.0s 6.00nm 4.4mb
YKA 43.83 42 eP 43 04.10 0.2
0.6s 7.60nm 4.7mb
WMQ 46.24 289 P 43 23.00 -0.4
1.0s 16.00nm 4.8mb
GYA 46.66 256 P 43 27.60 0.7
1.0s 22.00nm 5.0mb
MCW 47.43 62 P 43 33.28 0.5
GMW 48.14 63 ePc 43 38.41 0.2
JCW 48.21 62 P 43 38.95 0.2
BMW 48.55 64 iPc 43 41.77 0.4
RMW 48.72 63 ePc 43 42.96 0.2
FMW 49.11 63 P 43 45.96 0.0
LON 49.15 63 P 43 45.97 -0.1
SHW 49.27 64 ePd 43 48.14 1.1
WTV 49.56 61 P 43 48.76 -0.4
ASR 49.64 64 P 43 49.92 0.0
EBG 49.72 62 P 43 50.61 0.2
SAW 49.85 61 P 43 50.90 -0.5
SSOR 49.98 66 P 43 53.00 0.5
VBEM 50.33 65 P 43 55.38 0.2
WAH2 50.36 62 P 43 54.97 -0.2
DAG 50.55 359 eP 43 55.80 -0.4
1.2s 20.31nm 5.0mb
NEW 50.70 59 iPc 43 57.41 -0.4
0.9s 16.06nm 5.1mb
epP 44 19.83 92km
esP 44 31.84
JBO 51.03 64 P 44 00.18 -0.2
VIPM 51.21 65 P 44 01.96 0.0
LNOR 51.60 62 P 44 03.60 -1.1
YBH 51.85 69 eP 44 07.41 0.7
0.9s 10.00nm 4.9mb
LGPM 52.33 70 iPc 44 11.10 0.8
esP 44 44.46
ePcP 45 13.76
e 46 33.33
LBFM 52.57 69 ePc 44 12.93 0.7
WDC 52.71 70 ePc 44 13.48 0.5
0.8s 14.75nm 5.1mb
ORV 53.99 70 iPc 44 22.27 -0.1
FCC 54.11 38 eP 44 25.00 2.0
FRU 54.20 296 eP 44 23.00 -0.9
1.8s 40.00nm 5.1mb
e 44 47.00
e 45 25.50
HRY 54.43 58 iPc 44 25.80 0.1
e 44 49.50
HEMT 54.65 59 iPc 44 27.30 -0.2
e 44 53.40
HMR 54.77 72 eP 44 29.43 1.4
SXM 55.13 58 iPc 44 30.80 -0.1

MCMT	55.17	60	ePc	44 57.80	-0.6	CLL	72.19	338	iPd	46 21.30	-0.9	BSF	76.80	341	eP	46 48.40	-0.4
			e	44 52.30					i	46 28.60		ZLA	76.81	340	Pc	46 49.20	0.4
BGMT	55.32	59	iPc	44 32.30	0.0	SPC	72.33	333	eP	46 21.20	-2.1	OGA	76.81	338	iPd	46 49.50	0.5
			e	44 55.60		UYO	72.55	56	iPc	46 23.70	-0.9		0.8s	11.00nm		4.8mb	
MHC	55.42	72	eP	44 32.94	0.0	ELC	72.61	51	iPc	46 24.44	-0.4	BBS	77.01	340	P	46 49.84	0.0
	1.3s	30.00nm		5.2mb					eP	46 48.29	92km	VBY	77.06	335	iPd	46 49.90	-0.2
ARN	55.48	72	iPc	44 33.41	0.2	MIAR	72.70	55	ePc	46 24.96	-0.4	FLN	77.15	346	eP	46 50.30	-0.2
MEMT	55.62	58	iPc	44 34.40	0.0		0.6s	6.65nm		4.7mb			0.8s	26.20nm		5.1mb	
CMB	55.66	71	eP	44 34.71	0.1	CBM	72.78	32	eP	46 24.74	-0.9	OSS	77.18	338	Pc	46 51.70	0.7
	1.2s	30.24nm		5.2mb			1.4s	65.56nm		5.3mb		LOMF	77.25	341	P	46 50.93	-0.3
KSH	55.73	292	eP	44 32.60	-2.6	WTS	72.81	342	eP	46 26.00	0.3	LDF	77.26	346	eP	46 50.80	-0.3
TPMT	55.86	59	iPc	44 36.60	0.4		0.8s	51.50nm		5.4mb			0.8s	18.65nm		5.0mb	
BONR	56.90	69	iPc	44 44.47	0.7	PRU	73.07	337	iPd	46 26.60	-0.7	LLS	77.26	339	Pc	46 52.10	0.6
CHTO	57.06	257	eP	44 42.50	-2.2		1.5s	30.20nm		4.9mb		VDL	77.52	339	ePd	46 53.60	0.7
HVU	57.30	63	eP	44 46.96	0.6				e	46 35.40		GRR	77.57	346	eP	46 52.90	0.1
TNP	57.43	69	ePc	44 47.68	0.4	MOX	73.12	339	iPc	46 27.50	-0.1		0.8s	36.15nm		5.3mb	
	0.7s	21.48nm		5.3mb			1.6s	40.00nm		5.0mb		LOR	77.89	343	eP	46 54.70	0.0
		eP	45 10.99	94km		VRAC	73.19	335	eP	46 28.10	0.1		0.6s	36.80nm		5.4mb	
BCH	57.82	73	eP	44 49.72	-0.3		2.3s	103.70nm		5.3mb		LPF	77.94	346	eP	46 55.10	0.2
FRB	57.97	23	eP	44 49.00	-1.5	DLF	73.42	351	iPd	46 29.20	-0.1		0.7s	19.85nm		5.1mb	
	0.9s	9.00nm		4.8mb		DCN	73.44	351	eP	46 29.30	-0.1	HYF	78.10	344	eP	46 56.40	0.6
GUN	58.08	275	P	44 51.20	-1.0	CTA	73.52	192	P	46 30.60	0.4	LBF	78.14	343	eP	46 56.00	-0.1
BW06	58.31	60	iPc	44 53.67	0.1	BNH	73.81	35	eP	46 31.35	-0.4		0.5s	15.00nm		5.1mb	
	0.7s	27.42nm		5.4mb		MLR	73.94	328	eP	46 31.50	-1.1	SSF	78.15	343	eP	46 56.30	0.2
DUG	58.39	64	iPd	44 54.37	0.4	ETA	73.98	351	eP	46 32.30	-0.2		0.5s	20.25nm		5.2mb	
	0.8s	18.99nm		5.2mb		GBA	74.03	271	P	46 33.00	-0.3	CEH	78.30	45	eP	46 56.81	-0.2
ISA	58.41	72	ePc	44 53.23	-0.8	ZST	74.09	334	iP	46 33.90	0.7		0.6s	17.44nm		5.1mb	
	0.8s	15.49nm		5.1mb				i	46 41.10		DIX	78.35	340	ePd	46 58.40	0.9	
KKN	58.53	275	P	44 53.40	-1.8	KHC	74.10	337	iPd	46 34.00	0.6	AVF	78.44	343	eP	46 58.00	0.3
DMN	58.77	275	P	44 55.20	-1.7		1.1s	16.00nm		4.8mb			0.8s	50.10nm		5.4mb	
DAU	59.08	63	iPc	44 59.53	0.6	GRF	74.11	339	ePd	46 33.80	0.4	SMF	78.50	343	eP	46 58.20	0.2
KAF	59.30	336	iP	44 58.10	-1.6		1.2s	36.00nm		5.1mb			0.6s	15.80nm		5.0mb	
	0.5s	9.50nm		5.2mb		SRO	74.12	333	eP	46 33.30	-0.1	SKO	78.53	329	eP	46 58.00	-0.2
ULM	59.53	46	eP	45 03.50	2.0	ENN	74.15	342	ePd	46 34.00	0.5	BGF	78.76	343	eP	46 59.70	0.3
GSC	59.63	71	eP	45 02.25	-0.2		0.9s	58.20nm		5.4mb			0.7s	19.60nm		5.1mb	
EMUT	59.74	63	iPc	45 03.68	0.3			e	46 40.00		RSL	78.88	340	P	47 00.80	0.5	
ARUT	59.75	66	ePc	45 03.41	0.0	MEM	74.29	342	iPd	46 34.55	0.2	LSL	79.00	340	P	47 02.09	1.0
MSU	59.93	65	iPc	45 05.25	0.6		1.0s	71.00nm		5.5mb		LPL	79.03	340	eP	47 02.10	0.9
SRU	60.40	63	iPc	45 08.01	0.2	GEC2	74.33	337	P	46 34.40	-0.4		0.9s	42.90nm		5.3mb	
PLM	60.99	72	iPc	45 11.64	-0.3		0.9s	4.30nm		4.3mb		LPG	79.04	340	eP	47 02.30	1.0
NUR	61.09	336	eP	45 09.40	-2.5			e	46 35.90		TCF	79.13	344	eP	47 01.90	0.4	
	0.4s	6.30nm		5.0mb		ECB	74.36	351	eP	46 43.00	0.0		0.7s	28.45nm		5.2mb	
PV09	61.59	63	eP	45 15.79	-0.3	ECP	74.51	351	eP	46 35.50	-0.1	MAF	79.13	343	eP	47 02.30	0.8
AKU	61.68	359	iP	45 16.10	0.3	SNF	74.69	343	Pd	46 36.80	0.1		0.6s	47.60nm		5.5mb	
	0.9s	23.53nm		5.2mb		LMN	74.77	30	eP	46 37.00	-0.2	PLDF	79.19	343	P	47 02.84	1.0
PV10	61.73	63	iPc	45 17.14	0.2			pP	47 02.50	98km	AGO	79.20	343	P	47 03.00	1.2	
PV08	61.80	63	ePc	45 17.14	-0.4	DOU	75.03	343	Pd	46 38.90	0.2	MF	79.20	345	eP	47 02.40	0.6
OBN	62.19	327	iPd	45 19.00	-0.4	WLF	75.17	342	P	46 42.00	2.6X		0.7s	26.25nm		5.2mb	
		i	45 57.50		WB5	75.53	204	eP	46 41.10	-0.7	RSP	79.27	340	P	47 01.95	-0.4	
GLA	62.38	71	iPc	45 21.32	0.3			iP	47 05.40	93km	LSF	79.28	344	eP	47 02.70	0.4	
		eP	45 45.07	94km		WB2	75.60	204	iPc	46 41.60	-0.6		0.8s	43.25nm		5.4mb	
MOL	62.61	345	eP	45 20.17	-1.9		0.8s	9.60nm		4.7mb		ASPA	79.29	203	eP	47 02.90	0.4
GOL	62.72	60	eP	45 23.70	0.3			eP	47 05.00	89km		1.2s	9.40nm		4.5mb		
	0.7s	6.03nm		4.7mb		WRA	75.60	204	P	46 42.20	0.0			e	47 27.20		
UPP	63.29	339	iP	45 25.10	-1.4		0.7s	5.90nm		4.5mb		PYM	79.51	343	P	47 04.54	0.9
NB2	63.45	343	P	45 22.80	-4.9X	PAL	75.98	38	eP+	46 41.55	-2.6	OHR	79.52	329	eP	47 02.70	-0.9
	0.4s	6.90nm		4.9mb				eP	47 07.98	102km	BHB	79.56	340	P	47 02.96	-0.9	
NRA0	63.68	343	iPc	45 27.70	-1.4			eS	47 07.72		PCP	79.57	339	P	47 03.46	-0.5	
NRE0	63.68	343	eP	45 30.10	1.0			eS	49 18.35		RRL	79.59	340	P	47 04.93	0.7	
		S	53 42.80					iSKSac	56 43.70		PZZ	79.92	340	P	47 04.93	-0.9	
NAO	63.72	343	P	45 22.72	-6.7X			eS	56 57.30		ROB	79.96	339	P	47 05.48	-0.5	
HFS	63.84	341	eP	45 28.60	-1.5			eS	56 57.30		FIN	79.96	339	P	47 05.20	-0.8	
	0.3s	12.60nm		5.4mb		KBA	76.07	336	iPd	46 45.30	0.5	LBL	79.97	343	P	47 07.04	1.0
	z 16s	0.02um		3.5MsZx			0.8s	29.40nm		5.2mb		ENR	80.12	339	P	47 05.43	-1.4
		LR	08 37.00					i	46 57.00		STV	80.12	340	P	47 05.34	-1.5	
JAQ	64.40	32	eP	45 32.00	-1.9				46 57.00		RJF	80.20	344	eP	47 07.80	0.6	
ALQ	65.66	64	iPc	45 42.75	0.2	WLS	76.13	341	P	46 45.13	0.1		0.7s	18.75nm		5.1mb	
	0.7s	10.01nm		4.9mb		CDF	76.15	341	eP	46 45.00	-0.1	IMI	80.32	339	P	47 07.26	-0.7
		e	46 04.13				0.9s	30.80nm		5.2mb		SBF	80.46	339	eP	47 09.60	0.9
IPM	67.32	246	ePd	45 53.10	0.1	WATA	76.25	338	iPd	46 46.00	0.2	CAF	80.47	343	eP	47 09.90	1.2
ACO	68.20	58	iPc	45 56.60	-1.7			i	46 52.70			0.7s	46.95nm		5.4mb		
WMOK	69.90	59	iPc	46 08.18	-0.5	WTTA	76.30	338	iPd	46 46.40	0.3	LFF	80.68	344	eP	47 10.70	1.0
	0.8s	34.48nm		5.3mb				i	46 54.30			1.0s	70.40nm		5.5mb		
		eP	46 32.73	95km		MOTA	76.35	338	iPd	46 46.40	0.1	LPO	80.86	344	eP	47 11.80	1.1
MEO	69.96	59	iPd	46 08.50	-0.6			i	46 53.60			0.8s	78.45nm		5.6mb		
EKA	71.06	349	Pc	46 15.10	-0.3	ECH	76.36	341	P	46 46.22	0.0	FRF	80.92	340	eP	47 11.10	0.1
	0.9s	20.70nm		5.0mb		SQTA	76.44	338	iPd	46 47.10	0.3		0.7s	8.60nm		4.7mb	
LTX	71.46	66	iPc	46 18.12	-0.2			i	46 54.30		LRG	81.08	340	eP	47 12.30	0.5	
		eP	46 42.72	95km		FEL	76.51	340	P	46 46.88	-0.3		0.9s	39.15nm		5.3mb	
FVM	71.48	51	iPc	46 17.35	-0.8	SLE	76.52	340	Pd	46 46.90	-0.2	LMR	81.16	340	eP	47 12.60	0.4
	0.5s	22.07nm		5.3mb		VITF	76.59	342	P	46 47.97	0.5		1.0s	36.00nm		5.2mb	
		eP	46 41.59	94km		MOF	76.71	341	P	46 47.97	-0.3	PGF	81.37	338	eP	47 13.40	-0.1
OJC	71.52	334	eP	46 17.90	-0.3	HAU	76.72	341	eP	46 48.10	-0.1		0.6s	7.05nm		4.7mb	
LMQ	71.53	33	eP	46 17.50	-0.8		0.7s	24.45nm		5.2mb		MTHF	82.32	343	P	47 19.83	1.5
KSP	71.85	336	eP	46 19.30	-0.9	MYNC	76.77										

17d 11h

BTH 82.61 345 i(P)d 47 19.50 -0.3
 EPF 82.61 344 eP 47 20.40 0.5
 0.9s 40.15nm 5.3mb
 PERF 82.69 342 P 47 21.25 1.0
 ELIZ 82.77 346 iPc 47 21.50 0.8
 ETER 82.88 342 eP 47 22.50 1.3
 ECRI 83.46 346 iPc 47 26.00 1.7
 EGRA 83.53 344 iPd 47 25.60 1.1
 STS 83.92 351 eP 47 27.50 1.0
 ERUA 84.26 350 iPc 47 29.90 1.7
 ETOR 85.15 345 eP 47 33.00 0.2
 ESEL 85.32 342 eP 47 34.90 1.4
 STK 85.78 195 eP 47 36.10 0.5
 0.6s 1.30nm 4.1mb
 EPLA 86.44 348 eP 47 40.00 0.9
 PAB 86.73 347 iPd 47 41.10 0.5
 EVIA 87.35 345 eP 47 44.00 0.4
 EALH 87.94 344 eP 47 46.80 0.4
 EGUA 89.28 346 iPc 47 52.00 -0.8
 EJIF 89.92 347 iPc 47 56.10 0.3
 LPAZ 128.27 63 PKP 54 03.70 -0.2
 LPB 128.49 63 ePKP 54 06.00 2.0
 CNCB 128.78 63 PKP 54 06.00 1.2
 SIV 131.70 56 PKP 54 09.40 -0.2
 SLR 134.26 287 e(PKP) 54 02.00 -12.4X
 CER 145.13 288 iPKPc 54 30.50 -3.2X
 0.8s 165.00nm
 S.D. = 0.9 on 258 of 271 obs.
 % SEP 17, 1993 11h 46m 15.32± 0.95s
 39.681 N ± 7.5km 29.490 E ± 9.8km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).
 IZI 0.66 359 iPg 46 29.00 0.6
 eSg 46 39.00
 ALT 0.79 142 ePg 46 30.70 0.0
 eSg 46 43.20
 EYL 1.02 30 ePn 46 35.00 0.3
 KCT 1.04 303 iPn 46 35.00 0.0
 HRT 1.15 7 ePn 46 36.00 -0.8
 ISK 1.42 347 ePn 46 41.10 -0.1
 S.D. = 0.6 on 6 of 6 obs.
 ? SEP 17, 1993 12h 06m 26.96± 1.59s
 30.992 S ± 11.1km 178.394 W ± 25.9km
 DEPTH = 33.0km (normal)
 4.3mb (3 obs.)
 KERMADEC ISLANDS, NEW ZEALAND (178)
 PUZ 7.58 200 P 08 18.10 0.1
 eS 09 40.70
 URZ 8.14 206 P 08 25.60 -0.1
 eS 09 54.80
 MNG 10.81 206 eP 08 57.80 -4.7X
 S 10 52.70
 ASPA 42.74 268 eP 14 23.00 0.0
 0.7s 4.00nm 4.3mb
 WB2 43.77 273 iPc 14 31.30 -0.1
 0.5s 6.80nm 4.7mb
 WRA 43.78 273 P 14 31.50 0.1
 0.6s 1.40nm 3.9mb
 KAF 144.99 340 ePKP 26 01.60 0.0
 NB2 149.28 351 PKP 26 14.60 5.9X
 0.8s 1.40nm
 S.D. = 0.1 on 6 of 8 obs.
 * SEP 17, 1993 12h 19m 21.95± 0.88s
 42.576 N ± 8.2km 23.928 E ± 12.2km
 DEPTH = 10.0km (geophysicist)
 BULGARIA (359)
 ML 3.2 (THE).
 SRS 1.48 190 iPb 19 48.05 -0.6
 eSb 20 10.06
 KNT 1.61 209 ePb 19 50.89 0.4
 eSb 20 14.06
 SOH 1.81 194 ePb 19 53.14 -0.2
 eSb 20 20.30
 SKO 1.94 253 ePn 19 59.50 4.2X
 GRG 1.98 216 ePn 19 56.62 0.7
 eSn 20 23.90
 OUR 2.24 179 ePn 19 59.50 -0.1
 eSn 20 31.30
 ALN 2.31 136 ePn 20 01.30 0.7
 eSn 20 30.94

PAIG 2.65 184 ePn 20 04.82 -0.7
 eSn 20 41.70
 OHR 2.76 239 ePn 20 09.50 2.4X
 MLR 3.26 26 ePc 20 14.00 -0.2
 S.D. = 0.6 on 8 of 10 obs.
 % SEP 17, 1993 12h 21m 02.24± 1.65s
 40.390 N ± 22.4km 27.972 E ± 7.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.6 (ISK).
 BNT 0.05 229 iPg 21 04.00 -0.4
 eSg 21 07.50
 EDC 0.09 242 iPg 21 05.00 0.1
 iSg 21 07.00
 KCT 0.33 116 iPg 21 09.00 0.0
 KGT 0.51 277 iPg 21 12.50 -0.2
 EZN 1.38 246 ePn 21 27.70 0.2
 S.D. = 0.4 on 5 of 5 obs.
 SEP 17, 1993 12h 35m 43.66± 0.28s
 21.750 N ± 4.4km 144.270 E ± 6.4km
 DEPTH = 101.1km (5 depth phases)
 4.8mb (21 obs.)
 MARIANA ISLANDS REGION (215)
 IIDJ 14.77 339 eP 39 13.10 4.5X
 KAKJ 14.84 347 eP 39 08.80 -0.6
 CHJJ 14.97 343 eP 39 08.80 -2.3
 MAT 15.65 342 eP 39 20.00 0.3
 0.9s 8.40nm 4.0mb
 eS 42 11.00
 MTMJ 15.82 341 eP 39 24.50 2.6
 NIJJ 16.10 345 P 39 25.00 -0.2
 YAMJ 16.77 348 P 39 33.60 0.0
 eS 42 32.40
 HOOJ 20.59 358 eP 40 17.40 1.0
 KUSJ 21.29 1 eP 40 23.60 0.1
 CVP 21.51 263 eP 40 28.20 2.4
 ASAJ 22.35 357 eP 40 35.40 1.5
 SSE 22.63 299 P 40 36.50 -0.3
 1.0s 63.00nm 4.9mb
 VLA 23.68 337 iPc 40 48.00 1.2
 1.0s 50.00nm 4.9mb
 i 41 24.50
 i 41 44.00
 e 45 49.00
 NJ2 24.82 300 P 40 58.00 0.1
 YSS 25.24 358 eP 41 01.80 0.2
 XAN 33.39 299 P 42 13.50 -1.0
 1.0s 5.40nm 4.3mb
 BTO 34.52 311 eP 42 24.00 -0.2
 GYA 34.56 285 P 42 25.00 0.2
 CD2 37.27 293 iPd 42 47.10 -0.3
 LZH 37.88 301 iPd 42 53.00 0.3
 1.5s 64.00nm 5.3mb
 pP 43 16.50 101km
 CTA 41.63 177 iPd 43 23.80 0.3
 0.7s 113.01nm 5.8mb X
 GTA 41.67 305 eP 43 23.50 -0.3
 1.5s 18.00nm 4.7mb
 ScP 48 58.00
 ScS 53 17.00
 QIS 42.30 187 eP 43 29.20 0.3
 CHTO 42.50 274 eP 43 31.20 0.4
 WB2 42.56 194 iPc 43 31.50 0.4
 0.3s 83.50nm 6.0mb X
 ZAK 42.92 322 iPc 43 33.00 -0.7
 IPM 45.23 254 ePc 43 53.50 0.8
 ASPA 46.26 193 eP 44 00.30 -0.4
 0.7s 12.00nm 4.8mb
 DZM 48.63 152 iPc 44 19.00 -0.3
 WMQ 51.33 309 P 44 40.00 0.3
 1.2s 20.00nm 5.0mb
 GUN 52.93 289 P 44 52.40 0.2
 0.4s 21.00nm 5.5mb
 STK 53.39 183 iPc 44 54.00 -0.9
 1.0s 10.80nm 4.8mb
 KKN 53.47 289 P 44 56.00 0.0
 DMN 53.65 289 P 44 57.20 -0.2
 BWA 56.00 176 eP 45 13.50 -0.5
 CAN 56.93 175 eP 45 20.00 -0.6
 CNB 56.96 175 eP 45 20.00 -0.8
 0.9s 14.00nm 5.0mb
 TOO 59.01 179 iPc 45 35.30 0.3
 0.6s 11.00nm 5.2mb

FBA 61.17 27 eP 45 47.80 -1.7
 1.0s 11.00nm 4.8mb
 GBA 63.79 275 P 46 06.60 -0.9
 0.8s 2.50nm 4.2mb
 INK 67.12 24 ePc 46 27.00 -1.0
 1.0s 6.00nm 4.5mb
 CMB 80.93 53 ePc 47 48.67 0.3
 0.7s 3.05nm 4.2mb
 pP 48 13.63 95km
 KAF 83.10 335 iP 47 57.70 -1.4
 0.4s 4.70nm 4.8mb
 NUR 84.67 334 eP 48 05.30 -1.7
 0.4s 6.40nm 4.9mb
 DUG 85.55 48 ePd 48 12.80 0.8
 0.6s 3.03nm 4.5mb
 ARUT 86.10 51 (P) 48 15.64 0.8
 pP 48 41.60 98km
 DAU 86.53 48 eP 48 17.51 0.4
 pP 48 45.75 108km
 MSU 86.70 50 eP 48 18.83 1.0
 pP 48 46.46 105km
 EMUT 87.10 48 eP 48 20.50 0.7
 SRU 87.61 49 eP 48 22.31 0.2
 PV10 88.97 49 eP 48 29.00 0.2
 HFS 89.07 338 eP 48 26.00 -2.4
 0.4s 2.70nm 4.7mb
 NB2 89.26 339 P 48 27.60 -1.8
 0.7s 2.50nm 4.5mb
 KIC 138.73 309 PKP 55 01.80 1.3
 TIC 138.73 310 PKP 55 01.60 1.1
 LPAZ 148.93 86 PKPc 55 22.60 4.1X
 i 55 52.50
 LPB 149.02 86 ePKP 55 23.00 4.6X
 CNCB 149.20 87 ePKP 55 20.00 1.2
 CCH 151.05 87 ePKP 55 28.00 6.7X
 S.D. = 1.0 on 55 of 59 obs.
 ? SEP 17, 1993 13h 14m 12.85± 0.82s
 34.366 N ± 15.6km 136.039 E ± 25.3km
 DEPTH = 33.0km (normal)
 4.5mb (6 obs.)
 WESTERN HONSHU, JAPAN (232)
 MAT 2.80 39 iPd 14 57.30 1.0
 eS 15 22.00
 WB2 54.03 182 iPc 23 36.20 0.0
 0.2s 7.20nm 5.4mb
 ASPA 57.75 182 eP 24 04.60 1.7
 0.5s 6.30nm 4.9mb
 KAF 68.62 332 eP 25 15.10 0.8
 0.3s 1.70nm 4.6mb
 HFS 74.64 334 eP 25 49.80 -0.5
 0.5s 1.90nm 4.4mb
 NB2 74.88 336 P 25 51.00 -0.7
 0.8s 1.70nm 4.1mb
 GEC2 82.56 326 P 26 35.20 1.4
 0.9s 1.02nm 3.9mb
 e 26 41.30
 LPAZ 151.81 56 PKP 33 57.50 -2.8
 CNCB 152.28 57 (PKP) 34 00.00 -0.9
 S.D. = 1.6 on 9 of 9 obs.
 % SEP 17, 1993 13h 32m 26.45± 0.84s
 31.150 S ± 11.4km 68.566 W ± 11.6km
 DEPTH = 100.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)
 CFA 0.54 149 ePc 32 42.90 0.1
 S 32 55.70
 RTCV 0.71 178 iPd 32 44.00 -0.2
 (S) 32 57.80
 RTRS 1.24 322 iPd 32 50.00 0.1
 S 33 07.50
 RTPR 1.96 65 eP 32 58.80 -0.2
 S 33 23.90
 MRA 2.74 118 e(P) 33 09.60 0.2
 S.D. = 0.3 on 5 of 5 obs.
 SEP 17, 1993 13h 37m 54.16± 1.46s
 15.631 N ± 5.5km 60.375 W ± 14.1km
 DEPTH = 10.0km (geophysicist)
 LEEWARD ISLANDS (92)
 MD 3.6 (TRN). ML 3.1 (FDF).
 DEG 0.95 316 eP 38 11.70 -0.5
 S 38 23.75
 MGG 0.95 288 eP 38 12.80 0.5

	(S)	32	34.00	
IIA	7.42 315 (P)	31	21.00	1.8
LTX	18.17 329 (P)	33	41.06	-0.9
MIAR	20.52 359 eP	34	09.62	1.0
	1.0s 18.59nm			4.4mb
ALQ	24.13 332 eP	34	44.50	-0.1
	1.0s 4.13nm			3.9mb
ARUT	29.84 326 eP	35	37.85	0.7
MCMT	35.07 335 eP	36	23.70	1.0
YKA	50.84 347 eP	38	28.60	-1.1
	0.7s 5.80nm			4.7mb
GBA	151.08 19 PKP	49	23.00	6.5X
S.D.	= 1.1 on 15 of 18 obs.			

SEP 17, 1993 17h 31m 08.55± 0.79s
38.501 N ± 5.4km 20.534 E ± 8.0km
DEPTH = 10.0km (geophysicist)
GREECE (364)
MD 3.2 (ATH). ML 2.9 (THE).

VLS	0.33	172	ePg	31	15.50	0.2
			eSg	31	21.00	
IGT	1.04	351	ePg	31	27.48	-0.7
			iSg	31	42.48	
KEK	1.34	335	ePb	31	33.00	-0.2
AGG	1.50	69	ePb	31	34.32	-1.2
			eSb	31	55.35	
KZN	2.04	28	ePn	31	44.50	1.1
LIT	2.20	43	iPn	31	46.62	0.9
			iSn	32	13.71	
FNA	2.37	16	iPn	31	48.71	0.6
			eSn	32	17.92	
VLI	2.61	132	ePn	32	01.00	9.5X
OHR	2.61	4	ePn	31	51.50	-0.1
PAIG	2.83	59	ePn	31	55.32	0.7

PATG	2.83	39	ePn	31	55.32	-0.7
			eSn	32	28.94	
GRG	2.84	30	ePn	31	55.28	0.4
			eSn	32	29.00	
SOH	3.18	42	ePn	31	59.44	-0.1
KNT	3.22	34	ePn	32	00.35	0.2
			eSn	32	38.19	
OUR	3.24	54	ePn	31	59.55	-0.8
SRS	3.52	41	ePn	32	03.44	-0.9

S.D. = 0.8 on 14 of 15 obs.

* SEP 17, 1993 17h 58m 29.99± 1.48s
51.341 N ±15.2km 15.910 E ± 7.3km
DEPTH = 10.0km (geophysicist)
POLAND (548)
ML 3.1 (GRF).

KSP	0.55	154	ipd	58	40.20	-1.0
			is	58	48.80	
			e	58	54.50	
BRG	1.32	250	ePn	58	55.10	0.7
			iPg	58	56.10	
			iSg	59	15.90	
PRU	1.61	213	Pn	58	58.30	-0.2
			Pg	59	00.40	
			i	59	04.70	
			eSn	59	17.60	
			Sg	59	24.30	

CLL	1.82	270	Sg	59	24.30	
			iPn	59	00.50	-1.1
			iPg	59	03.30	
			eSg	00	29.00	
VRAC	2.08	168	ePn	59	05.60	0.3
			eSg	59	37.80	
KHC	2.67	215	Pn	59	14.50	0.6
			Pg	59	20.80	
			e	59	40.50	
			Sn	59	49.80	
			Sg	59	59.90	
OJC	2.71	113	iPd	59	15.00	0.6
			iS	59	39.20	
MOX	2.80	257	iPg	59	23.50	7.8X
			iSg	00	03.10	
GRF	3.42	243	ePn	59	24.50	0.1
			ePg	59	35.40	
			eSg	00	21.90	
S.D. = 0.9			on	8 of	9 obs.	

SEP 17, 1993 18h 38m 06.45± 1.01s
38.742 N ± 5.0km 30.239 E ±10.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
MT. 3.4 (ISK). Felt at Afyon.

TPX	1.27	41	iP	29	51.00	-1.0
			iS	30	08.00	
PCG	2.48	79	eP	30	09.41	-0.2
IXG	2.60	84	eP	30	11.37	0.2
			eS	30	42.75	
SCX	2.82	9	iP	30	15.50	1.3
			iS	30	48.00	
YUP	3.23	85	eP	30	20.18	0.0
OXX	4.67	312	eP	30	39.50	-1.2
			(S)	31	37.50	
LVVM	6.59	332	(P)	31	02.00	-5.5X
LVVM	6.59	332	(P)	31	06.00	-1.5
IIT	7.09	316	(P)	31	23.00	8.1X
PPM	7.34	315	(P)	31	18.50	-0.1

17d 18h

ALT 0.33 342 iPg 38 12.50 -0.8
 eSg 38 18.00
 KHL 0.70 234 iPg 38 19.20 -1.1
 GPA 1.55 2 iPn 38 34.30 0.2
 ELL 2.01 188 ePn 38 41.00 0.1
 CIN 2.04 237 ePn 38 42.00 0.7
 KCT 2.09 317 ePn 38 43.00 1.0
 HRT 2.12 348 ePn 38 42.00 -0.5
 IZM 2.36 263 ePn 38 46.00 0.1
 EDC 2.44 312 ePn 38 47.00 0.1
 CTT 2.78 331 ePn 38 52.00 0.3
 EZN 3.22 291 ePn 38 58.00 -0.1
 KAS 3.77 45 ePn 39 12.50 6.5X
 iSg 40 07.50

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

? SEP 17, 1993 18h 45m 43.33±1.11s
 21.917 S ±32.0km 179.465 E ±21.7km
 DEPTH = 600.0km (geophysicist)
 4.7mb (7 obs.)

SOUTH OF FIJI ISLANDS (171)

DZM 12.08 267 iPc 48 29.40 6.5X
 ARMA 26.33 245 iPd 50 36.70 1.6
 0.3s 6.00nm 4.7mb
 CTA 31.03 267 iPd 51 16.90 1.5
 0.4s 300.00nm 6.3mb X
 TOO 33.15 234 iPd 51 32.30 -0.8
 0.5s 9.00nm 4.7mb
 STK 35.05 245 iPd 51 49.00 0.1
 0.6s 4.30nm 4.3mb
 ASPA 41.91 259 iPd 52 44.40 0.0
 0.7s 27.90nm 4.9mb
 eS 58 24.10
 WB2 42.07 264 iPd 52 45.30 -0.4
 0.3s 27.20nm 5.3mb
 WRA 42.08 264 P 52 45.70 -0.1
 0.6s 7.90nm 4.4mb
 MTN 46.84 273 eP 53 22.00 -0.5
 KNA 48.20 268 iPd 53 32.70 -0.1
 MBL 55.15 259 iPd 54 21.30 -1.5
 0.3s 14.00nm 4.8mb
 CHTO 88.52 291 eP 57 34.10 -0.3
 HFS 140.51 349 ePKP 03 53.50 -12.8X
 0.4s 1.50nm
 CLL 148.82 344 iPKPd 04 19.90 -0.4
 BRG 148.95 342 iPKP 04 20.70 0.2
 GEC2 150.83 341 PKP 04 24.50 0.9
 0.6s 0.52nm
 e 04 35.90

S.D. = 0.9 on 14 of 16 obs.

? SEP 17, 1993 18h 55m 38.85±5.13s
 15.650 S ±53.2km 167.539 E ±29.6km
 DEPTH = 117.8 ± 48.5 km

VANUATU ISLANDS (186)

BKM 2.12 161 iPc 56 14.00 -0.2
 iS 56 41.00
 PVC 2.21 160 iP 56 15.50 0.2
 iS 56 42.50
 DZM 6.47 189 iPd 57 13.10 -0.1
 iS 58 22.20
 ASPA 32.60 250 iPd 02 01.40 0.0
 e 02 35.90
 OJC 136.79 330 iPKPd 15 10.90 21.9X
 FLN 145.55 346 ePKP 15 02.80 -1.8
 LOR 145.69 340 ePKP 15 04.10 -0.8
 0.4s 1.70nm
 LBF 145.90 340 ePKP 15 04.50 -0.8
 SSF 145.98 340 ePKP 15 05.10 -0.3
 0.4s 2.50nm
 LPL 146.13 335 ePKP 15 06.00 0.0
 0.4s 0.90nm
 LPG 146.14 335 ePKP 15 06.20 0.1
 0.4s 1.15nm
 AVF 146.27 340 ePKP 15 06.10 0.3
 LPF 146.36 346 ePKP 15 05.70 -0.2
 BGF 146.64 341 ePKP 15 06.80 0.3
 0.4s 2.25nm
 MAF 147.03 341 ePKP 15 08.00 0.9
 0.3s 0.60nm
 LSF 147.32 342 ePKP 15 08.50 0.9
 MFF 147.47 344 ePKP 15 09.00 1.2
 0.4s 1.55nm

S.D. = 0.8 on 16 of 17 obs.

SEP 17, 1993 19h 02m 12.57±0.91s
 38.399 N ± 8.1km 22.066 E ± 8.8km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 3.0 (THE).

AGG 0.66 18 ePg 02 24.25 -1.4
 eSg 02 35.10
 VLS 1.18 260 ePb 02 32.00 -2.6
 ATH 1.37 108 ePb 02 42.50 4.8X
 LIT 1.73 11 ePb 02 43.34 0.5
 eSb 03 05.25
 IGT 1.76 310 ePb 02 44.93 1.6
 eSb 03 08.61
 VLI 1.81 157 ePb 02 45.50 1.4
 KZN 1.92 353 ePb 02 46.50 0.8
 PAIG 1.98 39 ePb 02 45.53 -0.9
 eSb 03 10.70
 THE 2.34 17 ePn 02 51.53 -0.1
 OUR 2.44 37 ePn 02 52.25 -0.8
 FNA 2.44 348 ePn 02 52.70 -0.4
 eSn 03 25.38
 GRG 2.57 6 ePn 02 55.42 0.5
 eSn 03 27.85
 SOH 2.62 22 iPn 02 55.14 -0.5
 eSn 03 27.61
 KNT 2.83 13 ePn 02 58.70 0.0
 eSn 03 32.34
 OHR 2.88 341 ePn 03 01.50 2.1
 SRS 2.96 23 ePn 03 00.10 -0.3
 iSn 03 35.89

S.D. = 1.3 on 15 of 16 obs.

SEP 17, 1993 19h 16m 36.84±0.25s
 5.536 S ± 3.9km 131.107 E ± 5.2km
 DEPTH = 33.0km (normal)
 5.3mb (25 obs.)

BANDA SEA (280)

MTN 7.26 180 eP 18 25.20 1.8
 eS 19 40.00
 KNA 10.41 193 eP 19 07.70 0.8
 0.3s 119.00nm 6.6mb X
 eS 20 57.00
 MNDI 12.50 93 eP 19 36.00 0.4
 WWKK 12.62 82 eP 19 36.00 -1.0
 BIP 14.50 340 eP 20 06.00 4.3X
 WB2 14.67 168 iPc 20 00.50 -3.4X
 eS 22 35.10
 PMG 16.37 105 eP 20 27.00 1.1
 QIS 17.06 152 eP 20 34.00 -0.6
 eS 23 32.00
 ASPA 18.23 172 iPd 20 47.90 -1.2
 0.9s 265.40nm 5.4mb
 eS 23 58.20
 KKM 18.80 308 ePc 20 58.50 2.3
 MBL 18.99 214 eP 20 58.50 0.0
 0.4s 25.00nm 4.8mb
 eS 24 20.00
 CTA 20.64 136 iPd 21 16.80 0.4
 0.9s 410.50nm 5.8mb
 eS 24 55.80
 PGP 21.43 332 iPc 21 27.00 2.6
 NANU 22.65 220 iPc 21 38.00 1.5
 0.5s 33.00nm 5.1mb
 eS 25 50.00
 LEM 23.39 266 iPd 21 44.70 0.8
 MEEK 24.14 208 eP 21 51.00 0.1
 0.4s 20.00nm 5.0mb
 CVP 24.85 339 eP 21 58.00 0.2
 FORT 25.27 186 iPd 22 02.00 0.2
 COOL 26.90 199 iPd 22 06.70 -10.2X
 0.6s 33.00nm
 MRWA 27.55 210 iPd 22 22.10 -0.7
 0.5s 30.00nm 5.2mb
 STK 27.99 161 iPd 22 26.10 -0.6
 0.5s 35.90nm 5.3mb
 eS 27 42.10
 BAL 28.38 207 iPc 22 30.10 -0.2
 KLB 28.78 204 iPd 22 33.90 0.0
 0.9s 58.00nm 5.3mb
 MUN 29.77 206 eP 22 42.00 -0.8
 ADE 30.12 167 iPd 22 46.00 0.1
 NWAQ 30.17 204 eP 22 50.00 3.7X
 IPM 31.68 288 ePd 22 59.10 -0.7
 BWA 32.91 153 iPd 23 11.30 0.9
 CAN 33.92 153 iPd 23 19.20 0.1

CNB 34.08 153 iPd 23 20.50 -0.1
 0.7s 38.00nm 5.4mb
 TOO 34.48 160 iPd 23 24.60 0.7
 0.5s 77.00nm 5.9mb
 LOE 36.90 309 eP 23 40.00 -4.6X
 NST 37.21 305 eP 23 47.50 0.3
 DZM 37.91 119 iPc 23 52.00 -1.1
 KHT 38.03 302 iPc 23 54.50 0.4
 BDT 38.97 306 eP 24 01.00 -0.9
 0.7s 51.60nm 5.4mb
 NJ2 39.16 343 Pc 24 04.40 1.1
 WHN 39.30 337 P 24 05.50 1.0
 GYA 39.66 324 P 24 07.60 -0.1
 1.0s 29.00nm 5.0mb
 CHTO 39.87 308 iPc 24 09.70 0.2
 0.9s 32.61nm 5.1mb
 MAT 42.38 8 (P) 24 19.00 -10.8X
 XAN 44.60 333 Pc 24 47.00 -0.9
 0.7s 18.00nm 5.0mb
 CD2 44.69 326 eP 24 50.80 2.1
 TIY 46.41 339 eP 25 01.70 -0.5
 BJI 47.39 344 eP 25 09.50 -0.4
 LZH 48.66 330 eP 25 20.00 0.0
 1.8s 30.00nm 5.0mb
 CN2 49.37 355 eP 25 24.00 -1.2
 0.8s 5.90nm 4.7mb
 LSA 51.93 315 Pc 25 45.00 -0.5
 0.8s 7.00nm 4.7mb
 GTA 53.25 330 Pc 25 54.00 -0.7
 1.5s 14.00nm 4.7mb
 pP 26 02.20 27kmX
 GUN 54.84 310 P 26 06.20 -0.7
 0.8s 70.00nm 5.7mb
 KKN 55.24 309 P 26 08.80 -0.9
 DMN 55.29 309 P 26 09.20 -0.9
 0.8s 57.00nm 5.7mb
 GBA 56.57 290 P 26 17.00 -2.1
 HYB 56.68 295 eP 26 18.00 -1.9
 e 26 44.50
 CSY 62.32 189 iPc 26 56.80 -1.2
 0.6s 27.80nm 5.6mb
 WMQ 62.79 326 P 27 01.40 -0.1
 1.0s 40.00nm 5.5mb
 KSH 67.67 317 P 27 33.00 -0.2
 0.8s 30.00nm 5.4mb
 MAW 76.71 201 iP 28 26.10 0.0
 1.1s 32.61nm 5.3mb
 SPA 84.50 180 iPd 29 06.40 -1.2
 0.5s 46.30nm 5.9mb
 RSNY 135.13 26 ePdiff32 48.13 -8.5X
 SLA 145.85 152 iPKP 36 14.90 0.0
 NNA 147.20 122 iPKPc 36 19.30 2.2
 0.7s 13.70nm
 RSTA 150.00 180 ePKP 36 25.40 4.2X
 LPB 150.99 139 ePKP 36 29.00 5.6X
 LPAZ 151.15 139 iPKPd 36 29.40 5.5X
 i 36 37.40
 CCH 151.56 144 PKP 36 30.60 6.5X
 S.D. = 1.0 on 55 of 66 obs.

& SEP 17, 1993 19h 25m 59.12s
 66.373 N 149.663 W
 DEPTH = 5.5km

NORTHERN ALASKA (676)

<AEIC>. ML 2.9 (AEIC).

MLY 1.42 199 iP 26 25.08 -0.5
 eS 26 43.38
 MDM 1.54 157 iP 26 26.56 -0.7
 eS 26 49.03
 IMA 1.66 261 ePn 26 27.58 -1.4
 eS 26 51.65
 FBA 1.67 151 ePn 26 28.10 -1.0
 GLM 1.68 145 iP 26 28.87 -0.4
 eS 26 52.72
 IM3 1.70 259 eP 26 28.67 -0.9
 eS 26 52.17
 FYU 1.79 82 eP 26 31.83 1.1
 NEA 1.82 172 eP 26 29.42 -1.8
 CCB 1.90 155 eP 26 31.50 -0.9
 PRP 1.90 115 eP 26 31.25 -1.3
 IL1 1.98 143 eP 26 32.79 -0.8
 ILB 1.98 143 eP 26 32.86 -0.7
 eS 27 00.91
 BM3 2.25 60 eP 26 37.59 0.0
 HDA 2.28 149 eP 26 36.93 -1.0
 MCK 2.67 173 eP 26 42.77 -0.7

17d 19h

KTH 2.88 191 eP 26 47.63 1.1
 DHY 3.45 162 iP 26 54.57 -0.1
 SML 4.62 172 eP 27 10.88 -0.3
 BC3 4.73 131 eP 27 10.53 -2.3
 19 obs. associated

% SEP 17, 1993 20h 00m 38.00± 1.17s
 38.157 N ±13.3km 15.265 E ± 6.6km
 DEPTH = 10.0km (geophysicist)
 SICILY (398)
 MD 2.6 (ROM).

GMB 0.47 89 P 00 48.61 1.0
 SOI 0.63 98 P 00 49.47 -1.1
 GIB 0.99 261 P 00 56.77 -0.1
 MEU 1.09 194 P 00 59.13 0.6
 PZI 1.16 194 P 00 59.22 -0.5
 FAI 1.54 236 P 01 05.57 0.1
 S.D. = 1.0 on 6 of 6 obs.

SEP 17, 1993 20h 45m 56.49± 0.79s
 35.930 N ± 9.1km 25.714 E ± 8.4km
 DEPTH = 10.0km (geophysicist)
 CRETE (370)
 MD 3.7 (ATH).

NPS 0.67 187 iPbd 46 08.50 -1.3
 VAM 1.34 247 ePb 46 22.00 0.8
 VLI 2.38 290 iPnd 46 36.80 0.7
 CIN 2.53 48 eP 46 43.00 4.7X
 IZM 2.76 26 ePn 46 41.00 -0.6
 ELL 3.48 75 ePn 46 53.00 1.1
 EZN 3.92 7 ePn 46 56.40 -1.6
 BCK 4.20 67 ePn 47 03.00 0.9
 S.D. = 1.4 on 7 of 8 obs.

* SEP 17, 1993 21h 02m 56.90± 0.82s
 21.304 N ± 8.5km 120.920 E ±18.2km
 DEPTH = 33.0km (normal)
 4.1mb (9 obs.) 4.0Msz (1 obs.)
 TAIWAN REGION (243)

PIP 2.98 186 eP 03 45.00 2.1
 CVP 3.68 166 ePc 03 52.50 -0.4
 es 04 34.00
 QIZ 10.65 260 eP 05 28.60 -1.7
 TIA 15.22 348 eP 06 31.10 0.1
 XAN 16.53 323 P 06 51.50 3.6X
 1.0s 8.90nm 3.8mb
 Z 15s 0.35um 4.2MszX
 N 12s 0.36um
 E 10s 0.26um

KMI 17.14 286 eP 07 26.60 30.8X
 TIY 17.93 338 eP 07 07.00 1.6
 Z 20s 1.25um
 E 15s 0.64um

BJI 19.11 349 eP 07 18.00 -1.7
 1.2s 16.00nm 4.1mb
 Z 16s 0.58um 5.4Msz
 LZH 20.96 318 Pd 07 41.50 1.8
 2.0s 60.00nm 4.6mb
 Z 15s 0.29um 3.8MszX

HHC 21.04 340 eP 07 43.00 2.6X
 Z 18s 0.60um 4.0Msz
 BTO 21.35 337 eP 07 43.00 -0.6
 N 13s 0.28um
 E 13s 0.30um

MAT 21.38 41 (P) 07 42.00 -1.8X
 es 11 40.00
 es 11 44.00

GTA 25.53 320 eP 08 24.50 0.1
 1.4s 7.00nm 4.1mb
 Z 16s 0.46um 4.1MszX
 N 12s 0.13um

WRA 43.05 161 P 10 53.80 -1.6
 0.8s 1.90nm 3.9mb
 ASPA 46.45 163 eP 11 26.00 3.3X
 0.4s 3.20nm 4.6mb

STK 56.47 159 eP 12 38.20 0.2
 1.0s 2.10nm 4.1mb
 NB2 80.65 332 PKP 15 10.60 2.9X
 0.8s 1.40nm 4.0mb

GEC2 84.90 321 P 15 34.10 4.2X
 0.9s 1.21nm 4.1mb
 NEW 93.50 35 (P) 16 15.00 4.3X
 S.D. = 1.5 on 11 of 19 obs.

SEP 17, 1993 21h 20m 20.82± 0.27s
 8.192 S ± 4.2km 117.881 E ± 7.1km
 DEPTH = 24.0km (5 depth phases)
 5.2mb (25 obs.) 4.6Msz (4 obs.)
 SUMBAWA REGION, INDONESIA (285)

LEM 10.27 277 ePc 22 54.00 4.0X
 es 26 25.00
 KNA 13.03 126 eP 23 24.50 -2.7
 MBL 13.03 172 eP 23 24.50 -2.7
 0.3s 19.00nm 5.7mb

MTN 13.82 111 eP 23 35.00 -2.7
 0.3s 89.00nm 6.0mb
 KKM 14.24 353 ePc 23 45.00 1.8
 NANU 14.47 189 eP 23 44.00 -2.1
 es 26 19.00

DAV 17.01 27 eP 24 21.00 2.2
 PPR 17.87 3 ePd 24 29.00 -0.6
 MEEK 18.36 178 eP 24 36.40 0.7
 es 27 44.00

MAP 19.37 18 iPd 24 49.00 1.1
 WB2 19.77 128 eP 24 50.30 -2.0
 0.7s 29.60nm 4.7mb
 MRWA 20.99 185 iPc 25 04.70 -0.3
 0.5s 32.00nm 5.0mb

IPM 21.06 306 ePc 25 05.70 -0.1
 ASPA 21.74 137 iPc 25 12.60 0.0
 0.8s 99.20nm 5.3mb
 Z 18s 1.10um 4.3Msz

BAL 22.33 183 eP 25 18.50 0.1
 COOL 22.78 173 iPd 25 22.80 -0.1
 SNG 23.01 311 eP 25 27.00 1.9
 KLB 23.28 180 iPc 25 28.40 0.7
 0.5s 25.00nm 5.0mb

MUN 23.72 184 iPd 25 51.10 19.2X
 es 29 55.00
 QIS 24.33 123 iPc 25 38.50 0.5
 FORT 24.40 158 iPd 25 39.50 0.9

BAG 24.59 6 eP 25 41.00 0.3
 NWA0 24.62 181 iPc 25 41.70 1.0
 RKG 26.26 182 eP 25 57.00 0.9
 NST 29.52 323 eP 26 26.00 0.2
 KHT 29.78 320 eP 26 28.30 0.1

CTA 29.89 116 iPc 26 29.00 -0.2
 0.8s 148.88nm 5.9mb
 BDT 31.42 324 eP 26 41.20 -1.3
 0.7s 21.50nm 5.1mb

STK 32.28 140 iPc 26 49.90 -0.1
 1.1s 11.70nm 4.7mb
 CHTO 32.69 325 eP 26 53.20 -0.5
 ADE 32.79 147 e(P) 26 55.30 0.8

KMI 36.25 336 Pd 27 25.00 0.5
 1.6s 50.00nm 5.2mb
 Z 20s 1.20um 4.7Msz
 BWA 38.33 137 iPc 27 44.50 2.8

TOO 38.47 144 iPc 27 45.00 2.2
 0.8s 51.00nm 5.4mb
 ARMA 38.52 130 iPd 27 45.30 1.8
 1.0s 25.00nm 4.9mb

CAN 39.24 138 iPc 27 50.70 1.4
 NJ2 40.03 1 P 27 56.30 0.6
 1.3s 34.00nm 4.9mb
 CD2 41.17 341 eP 28 05.60 0.4

XAN 42.85 349 P 28 18.00 -0.9
 1.2s 16.00nm 4.6mb
 Z 15s 0.58um 4.6MszX
 TIA 44.17 359 eP 28 28.20 -1.3

LSA 45.61 327 eP 28 42.00 0.2
 TIY 45.95 354 P 28 43.00 -0.8
 Z 24s 0.50um 4.4MszX
 LZH 45.98 344 iPd 28 44.20 0.0

2.0s 70.00nm 5.2mb
 Z 14s 0.39um 4.5MszX
 pP 28 52.00 26km
 GUN 47.39 320 P 28 55.60 -0.1

1.0s 140.00nm 6.0mb
 DMN 47.67 319 P 28 57.40 -0.4
 1.0s 93.00nm 5.8mb
 KKN 47.68 320 P 28 57.40 -0.5

BJI 48.01 358 eP 28 59.00 -0.9
 1.4s 250.00nm 6.1mb
 Z 16s 0.52um 4.6MszX

eS 35 56.00
 DZM 48.66 112 iPd 29 06.10 0.7
 BTO 49.08 352 eP 29 07.50 -0.8
 HHC 49.14 354 eP 29 07.80 -1.0

N 12s 0.19um
 E 11s 0.20um
 BKM 49.85 106 iPc 29 15.30 0.8
 GTA 50.24 342 Pd 29 16.70 -0.6

1.2s 19.00nm 5.0mb
 Z 20s 0.46um 4.5Msz
 pP 29 24.00 24km
 sP 29 27.00
 S 36 30.00

MDJ 53.62 10 eP 29 41.00 -1.3
 1.4s 45.00nm 5.3mb
 CSY 58.23 183 iPc 30 14.50 -0.7
 1.0s 10.50nm 4.8mb

WMQ 58.55 335 P 30 17.50 -0.4
 0.8s 10.00nm 5.0mb
 Z 18s 0.52um 4.7Msz
 pP 30 23.60 20km

KSH 61.26 324 P 30 37.00 0.3
 1.0s 50.00nm 5.6mb
 pP 30 45.00 26km
 IRK 61.34 351 eP 30 35.50 -1.3

1.4s 14.00nm 4.9mb
 e 31 20.50 194kmX
 MAW 69.62 200 P 31 31.00 1.2
 0.7s 16.67nm 5.3mb

MAIO 70.38 313 eP 31 35.00 -0.2
 RSTA 144.95 201 ePKP 39 58.50 0.1
 SOB1 152.69 231 ePKP 40 17.90 7.1X
 S.D. = 1.2 on 58 of 61 obs.

* SEP 17, 1993 22h 20m 37.10± 0.70s
 6.348 S ± 6.9km 147.384 E ± 7.1km
 DEPTH = 94.4 ± 7.2 km
 5.0mb (11 obs.)
 EASTERN NEW GUINEA REG., P.N.G. (207)

YYYY 1.41 274 iPc 21 02.20 -0.3
 MDG 1.93 304 eP 21 09.50 0.4
 PMG 3.05 184 iPd 21 23.00 -1.2

es 22 02.00
 MNDI 3.71 273 eP 21 36.00 2.5
 es 22 29.00

KVG 5.06 43 eP 21 52.60 0.6
 RAB 5.22 66 eP 21 53.00 -1.2
 CTA 13.70 184 iPc 23 50.10 1.4
 0.7s 120.21nm 5.4mb

QIS 16.01 207 eP 24 17.20 -1.0
 i 24 20.60
 WB2 18.52 222 iPd 24 46.70 -2.3
 0.5s 41.10nm 5.0mb

es 28 10.50
 ASPA 21.56 216 iPd 25 20.10 -0.3
 0.3s 39.70nm 5.2mb
 Z 18s 0.30um 3.7Msz

es 25 33.60 58kmX
 es 29 18.40
 DZM 24.15 132 iPc 25 46.00 0.2
 ARMA 24.28 171 iPc 25 47.70 0.7

0.8s 44.00nm 4.9mb
 STK 25.97 191 iPd 26 02.30 -0.4
 0.7s 7.10nm 4.3mb

MBL 30.46 238 iPd 26 42.60 -0.6
 0.4s 7.00nm 4.7mb
 TOO 31.13 183 eP 26 49.10 0.2
 0.5s 7.00nm 4.6mb

MEEK 34.02 230 eP 27 14.00 -0.2
 0.3s 11.00nm 5.2mb
 NANU 34.68 239 eP 27 20.10 0.3

MRWA 37.34 229 iPd 27 42.30 0.1
 LEM 39.50 267 iPc 28 00.80 0.2
 CHTO 53.89 299 eP 30 16.10 22.9X

XAN 54.19 320 P 29 53.50 -1.7
 LZH 58.72 319 eP 30 32.50 4.9X
 1.5s 16.00nm 4.9mb

GTA 63.25 320 eP 30 56.50 -1.6
 CSY 65.03 196 iPc 31 08.90 -0.1
 0.6s 29.20nm 5.4mb

SPA 83.69 180 iPd 32 57.40 0.9
 0.6s 40.65nm 5.5mb
 GEC2 122.41 326 PKP 39 22.20 -0.8
 0.5s 0.29nm

e 39 23.50
 BCAA 129.06 271 iPKPc 39 37.10 0.4

17d 22h

0.7s 6.00nm
CNCB 138.14 124 ePKP 39 46.00 -8.5X
e 43 25.50
LPB 138.18 123 ePKP 39 47.00 -7.4X
LPAZ 138.28 123 PKP 39 49.90 -5.0X
i 39 56.40
SIV 144.14 129 PKP 40 03.10 -1.3
RSTA 145.29 153 ePKP 40 07.20 1.0
PPD 146.37 148 ePKP 40 10.20 2.1
VAO 147.63 155 ePKP 40 11.90 1.8
KIC 152.30 272 PKP 40 25.40 8.0X
0.7s 9.00nm
LIC 152.58 271 PKP 40 25.82 8.1X
0.6s 6.50nm
TIC 152.58 272 PKP 40 25.78 8.0X
0.7s 7.50nm
BAO 153.37 145 ePKP 40 28.00 9.1X
S.D. = 1.2 on 29 of 38 obs.

* SEP 17, 1993 22h 44m 42.67±1.75s
14.358 N ±27.2km 92.098 W ±11.9km
DEPTH = 33.0km (normal)
3.8mb (1 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.0 (GCG).

TPX 0.57 344 eP 44 55.50 1.3
iS 45 10.00
PCG 1.44 88 ePd 45 07.13 0.1
iS 45 28.20
GCG 1.53 81 eP 45 09.25 1.1
eS 45 32.57
YUP 2.23 94 ePc 45 17.63 -0.6
eS 45 47.01
SCX 2.42 348 eP 45 26.00 5.2X
iS 46 00.50
OXX 5.21 302 (P) 45 59.50 -1.1
PPM 7.81 308 eP 46 39.00 1.6
IIA 7.89 308 eP 46 39.00 1.1
LTX 18.35 326 eP 48 55.13 -1.3
UYO 19.84 354 iPc 49 11.80 -1.9
ALQ 24.24 330 eP 49 57.74 -0.2
0.7s 2.35nm 3.8mb
S.D. = 1.4 on 10 of 11 obs.

SEP 17, 1993 23h 07m 45.58±0.60s
17.458 N ±7.4km 96.188 W ±6.5km
DEPTH = 33.0km (normal)
4.1mb (2 obs.)
OAXACA, MEXICO (60)

OXX 0.63 234 iP 07 59.75 1.5
iS 08 07.00
LVVM 2.28 354 iP 08 23.50 1.8
iS 08 51.50
IIT 2.54 308 eP 08 26.00 0.3
PPM 2.82 305 iP 08 30.00 0.3
(S) 09 06.50
IIA 2.89 306 iP 08 30.50 0.2
UNM 3.40 304 eP 08 37.50 -0.4
SCX 3.47 101 eP 08 37.50 -1.2
(S) 09 24.00
ACX 3.56 261 iP 08 33.50 -6.4X
CRX 3.84 301 (P) 08 35.00 -9.1X
MRX 5.24 296 eP 09 01.50 -2.3
UYO 16.71 5 iPc 11 40.30 1.5
MIAR 17.18 7 eP 11 44.85 0.2
0.6s 6.33nm 3.9mb
ALQ 19.68 334 eP 12 15.20 0.1
LST 19.83 15 (P) 12 16.20 -0.3
MYNC 20.58 29 ePd 12 23.80 -0.5
0.9s 12.74nm 4.3mb
ELC 20.68 16 eP 12 24.88 -0.5
pP 12 39.18 71kmX
GLA 22.86 316 (P) 12 45.74 -1.5
LPAZ 43.46 139 Pc 15 48.40 0.1
LPB 43.67 139 (P) 15 53.00 3.3X
CNCB 43.95 139 P 15 52.80 0.7
S.D. = 1.1 on 17 of 20 obs.

& SEP 18, 1993 00h 08m 08.69s
32.383 N 115.036 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.1 (PAS).

GLA 0.69 15 ePd 08 20.80 -1.7
PLM 1.82 303 eP 08 42.88 2.0
2 obs. associated

% SEP 18, 1993 00h 20m 52.24±2.06s
40.373 N ±9.4km 25.874 E ±19.0km
DEPTH = 33.0km (normal)
AEGEAN SEA (365)
ML 2.8 (ISK).

ALN 0.54 14 eP 21 03.40 0.0
EZN 0.65 148 iPg 21 04.90 0.0
KGT 1.09 85 iPg 21 10.50 -0.8
eSg 21 22.50
MPT 1.15 68 ePn 21 12.00 -0.1
EDC 1.52 90 ePn 21 18.00 0.6
CTT 2.09 67 iPn 21 26.00 0.4
S.D. = 0.6 on 6 of 6 obs.

SEP 18, 1993 00h 27m 47.94±0.16s
1.632 N ±2.9km 126.770 E ±4.3km
DEPTH = 39.8km (6 depth phases)
5.5mb (67 obs.) 5.1MsZ (22 obs.)
NORTHERN MOLUCCA SEA (266)
Mw 5.6 (HRV).
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 42S, 65C
Centroid Location:
Origin Time 00:27:53.3 0.3
Lat 1.64N 0.03 Lon 127.07E 0.03
Dep 62.1 2.6 Half-duration 1.5
Moment Tensor; Scale 10**17 Nm
Mrr=-1.48 0.05 Mtt= 0.33 0.07
Mff= 1.16 0.11 Mrt=-1.89 0.08
Mrf=-0.57 0.08 Mtf=-1.60 0.07
Principal Axes:
T Val= 2.56 Plg=13 Azm=225
N 0.55 37 125
P -3.11 50 331
Best Double Couple: Mo=2.8*10**17
NP1: Strike=353 Dip=46 Slip= -32
NP2: 107 68 -131

DAV 5.55 348 eP+ 29 12.00 1.7
CTB 6.10 335 ePd 29 24.00 6.0X
BIP 6.57 355 iPc 29 25.00 0.4
iS 30 32.50

MAP 9.07 342 iPd 30 02.00 2.6
TSM 9.27 287 ePd 30 05.00 2.8
0.7s 700.40nm 6.9mb X
PLP 9.64 349 ePd 30 07.50 0.3
PPR 11.37 316 ePc 30 32.00 1.0
KKM 11.41 293 ePd 30 34.50 3.0
1.2s 221.90nm 6.2mb
e 30 44.00

QCP 14.09 337 eP 31 08.00 0.9
QVP 14.11 336 eP 31 11.00 3.7X
MTN 15.02 163 eP 31 18.00 -1.3
BAG 15.90 338 eP+ 31 24.00 -6.8X
eS 34 32.00

CVP 16.70 343 eP 31 42.00 1.3
KNA 17.38 174 eP 31 49.50 0.2
0.5s 102.00nm 5.2mb
WWKK 17.63 107 eP 31 44.60 -7.9X
LEM 20.88 246 iPd 32 31.50 2.0
iS 34 30.00

GUMO 21.49 56 eP 32 33.80 -1.6
1.0s 576.80nm 5.9mb
PJG 21.49 56 eP 32 34.00 -1.4
GUA 21.50 56 eP 32 34.30 -1.3
1.0s 256.00nm 5.6mb

WB5 22.64 161 iPc 32 46.20 -0.7
eS 36 52.20
WRA 22.69 161 P 32 47.00 -0.4
0.7s 139.40nm 5.5mb
WB2 22.70 161 iPc 32 46.60 -0.9
0.5s 250.20nm 5.9mb

eS 36 49.50
PMG 23.08 119 eP 32 54.00 2.8
MBL 23.65 196 iPd 32 56.40 -0.3
0.6s 65.00nm 5.3mb
QIZ 23.96 317 P 32 59.00 -0.7
1.2s 230.00nm 5.6mb

eS 37 13.00
QZH 24.48 342 eP 33 02.00 -2.7
Z 11s 4.86um 5.3MsZ

S 37 19.50
GZH 24.99 330 Pc 33 09.40 -0.2
1.0s 100.00nm 5.3mb

Z 28s 2.52um 4.6MsZ
QIS 25.39 151 iPd 33 12.80 -0.6
IPM 25.87 277 ePd 33 19.00 1.0
1.2s 107.80nm 5.3mb

ASPA 26.09 165 iPd 33 18.80 -1.1
1.0s 90.20nm 5.3mb
eS 37 50.60

NANU 26.43 204 eP 33 23.40 0.4
CTA 28.83 139 eP 33 45.10 0.3
1.1s 432.91nm 6.0mb
iPcP 36 56.40

LOE 29.18 304 eP 33 46.50 -1.5
MEEK 29.19 195 eP 33 46.80 -1.2
KAGJ 29.65 7 eP 33 54.20 2.1
NST 29.74 299 eP 33 52.00 -1.1
SSE 29.78 350 Pc 33 53.50 0.3

1.2s 30.00nm 4.9mb
Z 20s 0.90um 4.4MsZ
S 38 40.00

KHT 30.74 297 eP 34 01.20 -0.7
KUMJ 30.98 7 eP 34 03.30 -0.5
WHN 31.07 339 eP 34 04.00 -0.6
Z 32s 4.91um 5.0MsZ
eS 39 12.00

NJ2 31.16 347 eP 34 04.50 -0.9
Z 22s 0.92um 4.4MsZ
N 10s 0.83um
GYA 31.35 324 iPc 34 06.80 -0.5
1.2s 49.00nm 5.2mb

Z 28s 1.91um 4.6MsZ
pP 34 17.00 37km
BDT 31.40 301 eP 34 05.00 -2.7
0.8s 41.50nm 5.3mb

CHTO 32.17 304 iPd 34 13.40 -1.1
1.3s 49.43nm 5.2mb
MRWA 32.36 198 iPc 34 15.10 -0.9
0.9s 181.00nm 5.9mb

COOL 32.78 189 eP 34 28.00 8.4X
TKSJ 32.90 11 eP 34 20.50 -0.1
KMI 32.91 317 Pd 34 21.00 -0.1
1.6s 230.00nm 5.8mb

Z 25s 3.70um 5.0MsZ
N 17s 1.70um
E 17s 1.80um

pP 34 32.00 40km
WKYJ 33.45 13 eP 34 25.00 -0.5
BAL 33.46 196 eP 34 24.00 -1.5
YONJ 33.96 10 P 34 29.70 -0.1

KLB 34.13 194 eP 34 30.00 -1.3
TSRJ 34.80 13 P 34 36.70 -0.3
MUN 34.89 196 iPd 34 38.10 0.2
IIDJ 35.23 16 P 34 42.50 1.7
NWAQ 35.53 194 eP 34 44.00 0.7

TIA 35.55 347 Pd 34 42.00 -1.4
Z 24s 1.94um 4.8MsZ
eS 40 10.00

CHJJ 36.07 17 P 34 47.10 -0.7
STK 36.17 158 eP 34 47.70 -1.0
0.9s 23.30nm 5.1mb
MTMJ 36.25 15 P 34 48.70 -0.7

XAN 36.31 335 P 34 48.00 -1.9
1.0s 36.00nm 5.2mb
Z 25s 2.24um 4.8MsZ
N 10s 0.30um
E 12s 0.51um
S 40 24.00

MAT 36.31 16 (P) 34 48.00 -1.9
1.3s 217.31nm 5.9mb
eS 40 15.00
CD2 36.37 325 iPd 34 49.00 -1.4
1.0s 52.00nm 5.4mb

RKG 37.16 193 eP 34 58.00 1.1
DL2 37.39 353 P 35 00.00 1.2
1.0s 180.00nm 5.9mb
Z 18s 0.99um 4.7MsZ
N 13s 0.76um
E 14s 0.90um
S 40 42.00

ADE 38.09 164 ePc 35 05.40 0.6
TIY 38.25 342 eP 35 05.50 -0.7
Z 38s 5.01um 5.0MsZ
E 10s 0.40um
YAMJ 38.35 17 eP 35 07.30 0.4
BJI 39.42 347 eP 35 16.00 0.2

	1.0s	83.00nm		5.5mb		Z 14s	0.42um	4.7MszX	AFIF	83.48	294	iPd	40	15.30	1.7
	Z 24s	1.27um		4.7MszX		E 14s	0.25um		KDC	83.68	32	eP	40	14.33	0.7
	N 14s	0.49um					e	37 20.00		1.1s	46.81nm				5.5mb
	eS	41 10.00					eS	44 42.00	ABHA	83.81	288	iPd	40	18.00	2.5
OFUJ	39.68	18 eP	35	18.70	0.7	NDI	54.32	305 eP	37 10.50	CP2	84.24	29 eP	40	16.71	-0.1
ARMA	39.72	145 iPc	35	18.70	0.2	WMQ	54.46	326 P	37 12.50	UQSK	84.26	296 iPd	40	18.70	1.2
	0.6s	65.00nm		5.6mb			1.0s	42.00nm		IMA	84.27	24 eP	40	17.71	0.9
SNY	40.12	356 iPd	35	21.70	0.2		Z 28s	2.48um	5.1MszX		1.0s	29.80nm			5.4mb
	1.0s	110.00nm		5.6mb				PP	39 16.00	CRP	84.28	29 eP	40	16.05	-0.9
	Z 25s	1.45um		4.7MszX				ScP	42 05.80	PYA	84.34	314 iPd	40	17.00	-0.4
	E 12s	0.50um						PcS	42 15.70		2.0s	330.00nm			6.1mb
		PP	36	58.00				sS	45 08.00			eS	50	36.00	
		S	41	23.50		PET	57.63	22 eP	37 37.00	SLKM	85.14	30 eP	40	20.50	-0.5
LZH	40.33	331 Pd	35	23.50	-0.1		1.3s	200.00nm	6.0mb	PMR	85.76	28 eP	40	23.42	-0.6
	1.5s	120.00nm		5.4mb				e	45 30.00		0.8s	58.23nm			5.8mb
	Z 27s	3.06um		5.0MszX						Z	20s	0.50um			4.9Msz
	E 20s	1.35um				KSH	59.53	316 P	37 50.60	FBA	86.59	25 eP	40	31.40	3.3X
		pP	35	35.00	41km		1.1s	70.00nm	5.7mb	SOC	86.75	313 eP	40	29.00	-0.3
		eS	41	24.00			Z 20s	1.24um	5.0Msz			e	50	51.00	
BWA	41.23	152 iPd	35	32.10	1.3	FRU	61.95	319 iP	38 05.00	TOA	87.19	28 eP	40	31.10	-0.1
		i	35	34.50	8kmX		2.0s	90.00nm	5.6mb	KLU	87.29	29 eP	40	32.07	0.4
		i	35	49.10			Z 28s	1.50um	5.0MszX	MOS	88.18	326 eP	40	36.00	0.1
		e	41	16.40			N 28s	1.20um		ANN	88.48	315 eP	40	37.00	-0.6
HHC	41.39	342 Pd	35	32.00	-0.2		E 28s	2.00um			0.8s	40.00nm			5.8mb
	0.8s	16.00nm		4.8mb				e	38 20.00			e	51	17.00	
	Z 35s	3.72um		5.0MszX				e	46 28.00	OBN	88.77	325 iPd	40	37.50	-1.3
	N 12s	0.23um				ADK	68.67	34 eP	38 47.86		1.2s	26.00nm			5.4mb
	E 12s	0.22um					1.1s	39.06nm	5.4mb	Z	24s	0.50um			4.9MszX
		eS	41	40.00		CSY	68.76	187 iPc	38 49.10		N 24s	0.20um			
VLA	41.56	6 iPd	35	34.80	1.5		0.9s	41.80nm	5.5mb	E	24s	0.40um			
	1.2s	159.00nm		5.6mb		DRV	68.80	174 eP	38 50.00			i	40	45.00	23kmX
		i	35	47.00	45km	TIK	69.91	1 iPd	38 55.00			i	40	55.00	
		ePPP	37	39.00			2.0s	41.00nm	5.1mb			ePPP	46	06.00	
		iS	41	48.00			Z 18s	0.80um	5.0Msz			e	51	02.00	
		iPS	44	54.00				i	39 20.00			eS	51	19.00	
		iSSS	45	32.00				e	41 34.00			ePS	52	26.00	
BTO	41.65	341 P	35	33.50	-0.8			ePPP	43 13.00			eSSS	00	45.00	
	N 12s	0.19um						iS	48 00.00	BALM	89.01	29 (P)	40	39.23	-0.8
	E 14s	0.35um						iPS	48 40.00	SPA	91.62	180 ePd	40	51.60	-0.4
		ePP	37	10.00				e	48 51.00		1.3s	25.00nm			5.5mb
		eS	41	45.00		ASH	72.06	309 eP	39 11.00	Z	23s	2.30um			5.6MszX
CAN	42.23	153 eP	35	39.20	0.1	NRI	72.38	347 iPd	39 10.30	INK	92.09	22 eP	40	54.00	0.1
		i	35	41.80	9kmX		1.2s	64.00nm	5.5mb		1.2s	17.00nm			5.4mb
		i	35	56.70			Z 20s	2.10um	5.4Msz	KAF	93.46	332 eP	40	58.90	-1.5
		e	41	20.50				e	39 30.00	MCB	93.98	13 eP	41	03.10	0.6
CNB	42.40	152 eP	35	41.00	0.6			e	41 51.00			PP	44	46.50	
	1.0s	46.00nm		5.2mb				eS	48 29.00			eP	41	09.00	5.5X
		i	35	43.80	9kmX			ePPS	49 16.00	MNK	94.12	324 eP	41	11.50	-0.1
TOO	42.69	158 eP	35	43.40	0.7	HON	75.65	69 P	39 40.00	VRI	95.83	316 ePd	41	11.50	-0.1
	0.6s	27.00nm		5.2mb			Z 20s	0.73um	5.0Msz	MLR	96.43	316 eP	41	14.50	0.0
MDJ	42.88	3 iPc	35	44.50	0.4	SVE	75.75	329 iPd	39 31.00	UZH	98.31	320 eP	41	23.00	0.3
	1.4s	200.00nm		5.7mb			2.0s	250.00nm	5.8mb			i	41	35.00	39km
	Z 34s	3.36um		5.0MszX				e	39 49.80	SLR	98.35	244 e(P)	41	05.00	-18.6X
		eS	42	02.00				eS	49 04.00	DAG	99.34	352 eP	41	26.20	-0.7
LSA	43.87	313 Pd	35	52.60	-0.4	ILT	75.78	19 iPd	39 30.40	RES	99.86	10 eP	41	30.00	0.7
	0.6s	17.00nm		5.0mb			1.2s	118.00nm	5.7mb		1.0s	5.00nm			5.0mb
		S	42	20.00				eS	49 08.00	HFS	99.88	332 eP	41	30.20	0.5
KUSJ	44.29	19 eP	35	55.90	0.3	ARU	76.69	328 iPd	39 36.00		0.4s	0.60nm			4.5mb X
ASAJ	44.59	16 eP	35	58.60	0.6		1.4s	140.00nm	5.8mb	Z	22s	0.37um			4.8Msz
GTA	44.92	330 eP	35	59.80	-1.1			e	39 43.00			LR	21	22.00	
	1.5s	33.00nm		5.0mb				e	39 48.00						
	Z 26s	3.47um		5.2MszX				eS	49 16.00	NRAO	100.64	333 ePd	41	26.70	-6.3X
	N 15s	0.35um				SDN	78.89	34 eP	39 48.05			PP	45	24.60	
		pP	36	15.00	59kmX		0.7s	115.93nm	6.0mb	NRE0	100.64	333 Pd	41	39.20	6.2X
		PP	37	44.00			Z 21s	2.48um	5.5Msz			PP	45	47.90	
		ScP	41	31.00		BAK	78.95	311 iPd	39 52.00			SKS	51	50.10	
		sS	42	50.00				iS	49 50.00			PPS	55	23.80	
		ScS	45	51.50		RYD	80.38	295 ePd	39 55.00			SKKP	00	58.20	
DZM	45.32	124 iPc	36	04.00	-0.3	KER	80.55	304 iPd	39 56.70	NB2	100.67	333 Pd	41	29.90	-3.3X
GUN	47.01	308 P	36	17.00	-0.9	TAB	81.47	308 iP-	40 04.00		0.9s	2.70nm			4.8mb
YSS	47.29	15 iPd	36	20.00	0.6	MJMA	81.62	296 iP-	40 04.00	KSP	101.53	323 ePd	41	39.00	1.8
	1.2s	80.00nm		5.6mb		MAW	81.81	200 iPd	40 04.20			e	45	42.00	
	Z 18s	0.40um		4.4Msz			0.9s	12.40nm	4.9mb	GMW	102.46	41 ePd	41	41.93	0.5
		e	36	35.50	60kmX			ipP	40 07.20	BRG	102.93	323 e(Pd	41	43.40	0.0
		eS	43	04.00				eS	50 12.00	RMW	103.12	40 ePd	41	47.30	2.8
KKN	47.43	307 P	36	19.80	-1.3	KMSA	82.19	290 iPd	40 06.60	SHW	103.20	42 (Pd	41	44.35	-0.6
DMN	47.49	307 P	36	20.40	-1.2	GRO	82.40	313 iPd	40 08.00	GEC2	103.74	321 Pd	41	51.90	4.7X
	0.8s	65.00nm		5.7mb			1.5s	160.00nm	5.8mb		1.0s	1.47nm			4.7mb
HYB	49.89	291 eP	36	38.30	-1.7			iS	50 20.00			e	42	10.70	
	1.0s	90.00nm		5.8mb		SVW	82.59	29 eP	40 09.39	WDC	104.52	47 Pd	42	00.00	9.3X
GBA	50.21	286 P	36	42.00	-0.4		1.3s	151.94nm	5.9mb	Z	21s	0.96um			5.3Msz
CIT	51.39	350 eP	36	57.50	6.6X	TTA	82.74	27 eP	40 09.24	GRF	104.98	323 ePd	42	01.00	8.4X
ZAK	52.51	341 iPd	36	59.00	-0.3		1.0s	55.12nm	5.6mb			ePP	46	14.00	
	1.5s	62.00nm		5.4mb		ERE	83.04	310 iP-	40 11.00	SAO	106.32	51 PKP	46	20.00	9.6X
		e	46	44.00				iS	50 27.00	Z	18s	0.55um			5.1Msz
IRK	53.84	343 ePd	37	09.00	-0.1	DHJN	83.11	287 iPd	40 13.30	CMB	106.80	49 PKP	46	20.00	8.7X
	1.7s	155.00nm		5.8mb		QASM	83.21	296 iPd	40 12.66	Z	20s	0.26um			4.8Msz
										MCMT	109.87	41 ePKP	46	34.50	17.3X

18d 00h

GOL 117.08 43 ePKPc 46 30.79 -0.3
e 46 46.60
MEO 124.20 45 iPKPd 46 46.20 1.6
UYO 127.41 43 iPKPc 46 50.00 -0.7
FVM 127.72 37 ePKP 46 50.07 -1.2
MIAR 127.80 43 ePKP 46 51.15 -0.3
e 47 22.38
ePP 48 53.30
ELC 128.90 37 ePKP 46 53.93 0.5
CBM 129.90 13 PKP 47 10.00 14.9X
Z 21s 1.13um 5.5MsZ
RSNY 130.25 20 PKP 47 10.00 14.2X
Z 21s 0.50um 5.2MsZ
YSNY 130.51 25 PKP 47 10.00 13.6X
Z 19s 0.50um 5.2MsZ
OXF 130.57 40 ePKP 46 57.62 0.9
KIC 130.95 280 PKP 46 58.00 0.0
LIC 131.25 280 PKP 46 58.00 -0.6
Z 21s 3.13um 6.0MsZ
LBNH 131.37 18 PKP 47 10.00 12.0X
Z 19s 0.93um 5.5MsZ
BINY 131.76 23 PKP 47 10.00 11.2X
Z 21s 0.79um 5.4MsZ
LSCT 133.23 21 PKP 47 10.00 8.4X
Z 21s 0.79um 5.4MsZ
MYNC 133.42 35 ePKP 47 01.64 -0.6
Z 20s 0.28um 5.0MsZ
PAL 133.58 22 ePKP 47 04.02 1.8
eps'df54 21.49
CVL 134.20 28 ePKP 47 06.15 2.6
CEH 135.55 30 (PKP) 47 08.07 1.9
PEL 144.63 154 iPKPd 47 21.40 -1.2
RTCB 146.86 155 iPKPc 47 27.00 0.5
CFA 146.99 156 e(PKP) 47 27.00 0.4
RTLL 147.14 156 ePKPc 47 30.50 3.7X
RTRS 147.70 153 e(PKP) 47 30.00 2.3
TCA 148.56 161 ePKP 47 28.00 -1.2
i 47 32.50
CYA 150.76 157 ePKPd 47 33.00 0.5
SLA 154.16 154 e(PKP) 47 46.20 8.5X
RSTA 156.76 190 (PKP) 47 56.00 15.1X
e 48 14.30
CNCB 159.06 137 PKPc 47 46.30 1.8
i 47 48.80
LPB 159.18 136 PKPd 47 45.00 0.6
1.0s 20.00nm
LPAZ 159.32 136 PKPc 47 46.10 1.2
LR 01 05.00
PPD 159.64 185 ePKP 47 46.30 2.0
SIV 163.77 152 PKP 47 48.80 0.2
BAO 165.16 200 ePKP 47 53.20 3.2X
i 48 50.00
SOB1 165.60 238 (PKP) 47 49.00 -1.3
S.D. = 1.2 on 174 of 203 obs.

SEP 18, 1993 00h 34m 20.77± 0.25s
15.177 S ±11.1km 173.673 W ±11.6km
DEPTH = 41.3km (7 depth phases)
5.0mb (16 obs.) 5.0MsZ (23 obs.)
TONGA ISLANDS (173)
Ms 4.8 (BRK).

DZM 20.04 247 iPc 38 53.90 0.5
OUZ 23.00 207 P 39 25.50 2.6
KUZ 23.47 202 P 39 28.60 1.2
QRZ 28.24 202 P 40 11.30 -0.7
THZ 28.92 201 P 40 18.20 0.0
LTZ 30.05 201 eP 40 16.20 -2.0
ARMA 35.23 238 eP 41 13.00 -0.6
CNB 38.68 232 iPd 41 42.20 -0.3
0.3s 12.00nm 5.2mb
CAN 38.96 232 iPc 41 43.80 -1.0
BWA 39.09 234 eP 41 43.60 -2.3
HON 39.40 23 P 42 00.00 11.6X
Z 19s 0.85um 4.6MsZ
TOO 42.40 230 iPd 42 12.70 -0.4
STK 43.92 240 iPd 42 25.40 -0.1
0.9s 6.20nm 4.4mb
WB2 49.63 257 iPd 43 09.60 -0.9
0.4s 15.40nm 5.4mb
ipP 43 21.60 43km
WRA 49.64 257 P 43 10.60 0.0
ASPA 49.93 252 iPc 43 11.80 -1.1
0.7s 26.00nm 5.4mb
ipP 43 23.40 41km
e 44 10.10
SAO 71.34 42 P 45 50.00 11.5X

Z 21s 0.66um 4.9MsZ
ARN 71.63 42 eP 45 40.13 -0.1
PLM 72.54 47 eP 45 44.94 -1.0
ISA 72.68 44 P 46 00.00 13.5X
Z 21s 0.99um 5.0MsZ
CMB 72.77 42 eP 45 46.21 -0.8
0.8s 7.77nm 4.7mb
Z 21s 0.59um 4.8MsZ
WDC 72.97 38 eP 45 47.61 -0.4
1.5s 35.29nm 5.1mb
Z 21s 0.77um 4.9MsZ
ORV 72.97 40 eP 45 47.66 -0.4
ORV 72.97 40 eP 46 02.67 14.6X
Z 21s 0.40um 4.7MsZ
iS 54 19.67
e 01 20.67
eLR 07 26.67
LGPM 73.00 38 ePd 45 48.10 -0.3
YSS 73.22 330 eP 45 50.20 0.9
1.0s 10.00nm 4.7mb
e 46 03.00 44km
GSC 73.62 46 eP 45 51.47 -0.6
LBFM 73.83 38 eP 45 52.51 -0.8
BONR 74.07 43 eP 45 54.54 -0.3
TNP 74.85 43 ePc 45 59.24 -0.1
1.0s 22.61nm 5.1mb
e 46 13.26 49km
SPA 74.92 180 iPc 45 59.40 0.2
1.0s 50.00nm 5.4mb
TUC 76.45 51 eP 46 09.42 1.1
0.8s 10.32nm 4.9mb
Z 22s 0.64um 4.9MsZ
SHW 76.64 34 eP 46 09.74 0.6
ARUT 77.23 45 eP 46 12.43 -0.2
RMW 77.67 33 eP 46 14.75 0.0
MSU 78.46 45 ePd 46 19.98 0.5
SIT 78.70 20 P 46 30.00 9.9X
Z 20s 0.61um 4.9MsZ
DUG 78.88 43 eP 46 21.13 -0.5
0.8s 4.96nm 4.5mb
e 46 34.97 48km
HVU 79.71 42 P 46 26.11 0.0
SRU 79.87 45 eP 46 24.53 -2.6
DAU 80.02 43 eP 46 27.36 -0.6
PV09 80.54 46 eP 46 30.21 -0.6
PV10 80.54 46 (P) 46 30.36 -0.4
LTX 80.71 56 eP 46 30.31 -1.3
HHAI 80.74 40 ePc 46 32.49 0.9
ALQ 80.86 50 eP 46 31.88 -0.5
1.2s 16.81nm 4.9mb
Z 21s 0.60um 4.9MsZ
FBA 82.23 11 ePc 46 38.49 -0.1
0.8s 31.37nm 5.4mb
e 46 48.84 33km
BW06 82.28 42 ePc 46 39.36 -0.4
0.9s 6.74nm 4.7mb
GOL 83.69 46 (P) 46 47.07 0.0
0.9s 16.07nm 5.1mb
Z 20s 0.73um 5.1MsZ
e 46 57.15 32km
GLD 83.82 46 eP 46 48.48 0.9
Z 19s 0.82um 5.1MsZ
MAW 87.92 199 iP 47 07.90 0.8
0.6s 14.53nm 5.4mb
INK 88.12 14 eP 47 19.00 11.1X
ARE 97.02 109 e(P) 48 05.00 14.5X
MYNC 98.19 56 P 48 10.00 15.0X
Z 21s 0.55um 5.0MsZ
CEH 102.38 56 Pd iff 48 20.00 6.1X
Z 19s 0.30um 4.8MsZ
YSNY 103.83 49 Pd iff 48 30.00 9.8X
Z 19s 0.50um 5.1MsZ
BINY 105.67 50 PKP 52 50.00 8.5X
Z 19s 0.46um 5.0MsZ
LSCT 107.67 51 PKP 53 00.00 14.7X
Z 21s 0.79um 5.2MsZ
LBNH 108.79 48 PKP 53 00.00 12.7X
Z 19s 0.93um 5.4MsZ
HRV 108.96 50 PKP 53 00.00 12.3X
Z 20s 0.58um 5.1MsZ
CBM 111.52 45 PKP 53 00.00 7.6X
Z 21s 1.13um 5.4MsZ
KAF 131.02 348 iPKP 53 28.30 -0.9
0.6s 2.60nm
NUR 132.81 348 ePKP 53 32.10 -0.6
0.8s 8.70nm
NB2 134.07 357 PKP 53 34.80 -0.3

0.8s 2.50nm
HFS 134.79 355 ePKP 53 36.30 -0.1
0.7s 4.70nm
KSP 143.53 349 ePKP 53 50.00 -2.6
CLL 143.56 353 ePKP 53 51.00 -1.7
BRG 143.87 352 ePKP 53 50.70 -2.5
UZH 144.14 342 iPKPd 53 52.00 -1.7
1.0s 30.00nm
e 54 03.50
SPC 144.22 344 ePKP 53 52.20 -1.9
MOX 144.36 354 ePKPc 53 53.10 -1.0
2.0s 29.00nm
UCC 144.43 2 PKP 53 55.00 0.9
PRU 144.64 351 ePKP 53 53.50 -1.1
1.0s 14.20nm
e 54 05.30
SNF 144.72 2 PKP 53 53.30 -1.3
VRAC 144.94 348 ePKP 53 55.10 0.1
3.2s 270.40nm
DOU 145.14 2 PKP 53 55.20 -0.2
GRF 145.35 354 iPKPc 53 56.50 0.7
e 54 08.20
e 54 18.40
MLR 145.56 335 ePKPd 53 57.50 1.0
WLF 145.61 0 iPKPc 53 57.19 1.0
ic 54 11.07
KHC 145.62 352 PKP 53 57.50 1.2
1.1s 23.00nm
e 54 00.00
e 54 06.50
e 54 30.50
GEC2 145.88 351 e(PKP) 53 57.20 0.3
0.9s 8.20nm
GEC2 145.88 351 e(PKP) 54 05.20 8.3X
0.8s 2.70nm
ZST 145.89 347 ePKP 53 58.40 1.7
SRO 145.98 346 ePKP 53 58.20 1.3
i 54 00.00
FLN 146.04 8 ePKP 53 57.40 0.4
0.7s 12.35nm
Z 22s 0.55um 5.3MsZ
CMP 146.10 336 ePKPc 54 01.00 3.8X
LDF 146.26 8 ePKP 53 58.00 0.7
0.7s 7.60nm
GRR 146.36 9 ePKP 53 58.60 1.1
1.0s 14.40nm
SOP 146.50 347 e(PKP) 54 01.00 3.3X
KMR 146.59 350 iPKP+ 54 00.30 2.4
ipPKP 54 12.40
LPF 146.68 9 ePKP 53 59.70 1.7
0.8s 16.00nm
CDF 146.85 359 ePKP 54 00.60 2.2
1.0s 19.00nm
UZD 147.05 344 e(PKP) 54 01.00 2.4
HAU 147.27 360 ePKP 54 01.80 2.8
0.7s 14.65nm
Z 22s 0.20um 4.9MsZ
BSF 147.44 359 ePKP 54 02.10 2.7
0.9s 6.90nm
HYF 147.86 5 ePKP 54 03.50 3.6X
LOR 147.94 3 ePKP 54 03.50 3.4X
1.0s 14.00nm
Z 20s 0.47um 5.3MsZ
SSF 148.12 4 ePKP 54 04.20 3.8X
1.1s 23.20nm
MFF 148.21 8 ePKP 54 03.90 3.4X
0.8s 7.00nm
LBF 148.23 3 ePKP 54 04.40 3.8X
1.0s 15.40nm
AVF 148.38 4 ePKP 54 04.50 3.7X
0.9s 9.50nm
LJU 148.47 349 e(PKP) 53 58.00 -2.9X
ePKPab54 05.00
SMF 148.56 3 ePKP 54 05.00 3.9X
1.0s 10.60nm
BGF 148.58 5 ePKP 54 05.10 4.0X
1.0s 14.00nm
VOY 148.59 350 ePKP 54 02.90 1.6
e 54 04.70
e 54 27.20
LSF 148.76 6 ePKP 54 05.30 3.9X
0.8s 7.00nm
TCF 148.79 6 ePKP 54 05.60 4.1X
0.7s 4.65nm
VBY 148.84 348 ePKP 54 02.40 0.8
ePKPbc54 06.20
i 54 28.00

MAF	148.89	5 ePKP	54 06.10	4.5X	PMR	1.79 157 ePc	09 52.91	-1.3	KKM	6.75 247 ePc	42 19.50	1.4
	0.9s	7.85nm				eS	10 16.17			0.8s	114.60nm	5.8mb X
DIX	149.18	359 PKP	53 56.63	-5.8X	MLY	1.80 358 iPd	09 53.82	-0.7	BAG	7.87 347 eP	42 36.00	2.0
RJF	149.69	7 ePKP	54 08.20	5.3X	CCB	1.88 40 ePd	09 54.71	-0.7	CVP	8.96 356 eP	42 50.00	1.1
Z	23s	0.38um		5.1MszX	NGC	1.97 202 eP	09 55.96	-0.6	QIZ	15.97 311 eP	44 18.00	-4.7X
LPL	149.75	359 ePKP	54 09.30	6.0X	HDA	2.01 52 eP	09 56.22	-0.6	N	13s	2.27um	
	0.8s	9.65nm				eS	10 23.91		LEM	21.39 224 ePc	45 30.00	3.9X
LPG	149.77	359 ePKP	54 09.50	6.1X	MDM	2.02 30 iPd	09 56.50	-0.6	IPM	21.69 260 ePc	45 32.50	3.5X
	1.0s	15.40nm			CGLM	2.04 199 eP	09 57.63	0.3		0.9s	56.50nm	5.0mb
LFF	149.96	8 ePKP	54 08.70	5.5X	PMS	2.06 166 P	09 56.90	-0.6	SSE	22.30 357 P	45 33.70	-1.3
	0.7s	7.60nm			SCM	2.08 131 eP	09 56.74	-1.0		1.0s	13.00nm	4.3mb
CAF	150.13	6 ePKP	54 09.30	5.7X	FBA	2.08 35 ePd	09 56.94	-0.8	Z	14s	0.90um	4.3MszX
	0.9s	6.20nm			CRP	2.10 201 eP	09 57.03	-1.2	N	12s	0.50um	
LPO	150.27	7 ePKP	54 09.50	5.8X		eS	10 23.20		E	12s	0.90um	
	0.6s	4.05nm			CP2	2.12 202 eP	09 57.51	-0.9		pP		45 42.80 33km
SKO	150.28	337 ePKP	54 09.30	5.4X		eS	10 23.96		GYA	23.16 322 P	45 46.40	2.8
CIN	150.50	323 ePKP	54 11.00	6.7X	BGL	2.15 204 eP	09 58.73	0.1	Z	20s	1.21um	4.3Msz
OHR	151.27	337 iPKP	54 11.50	6.1X	CKN	2.15 201 eP	09 59.52	0.9	N	13s	1.91um	
	0.7s	30.00nm			SFU	2.17 199 eP	09 58.36	-0.5	E	13s	1.04um	
SBF	151.39	358 ePKP	54 11.90	6.4X		eS	10 26.12		NJ2	23.47 352 Pc	45 48.70	2.4
	0.8s	10.05nm			CKT	2.17 201 eP	09 58.94	0.0		1.0s	26.00nm	4.7mb
FRF	151.71	360 ePKP	54 12.80	6.9X	THY	2.20 83 eP	10 00.20	0.9	Z	17s	0.58um	4.1MszX
	0.7s	6.05nm				eS	10 28.60		N	14s	1.22um	
LRG	151.82	360 ePKP	54 13.30	7.2X	GLM	2.26 37 iPd	09 59.58	-0.4	KMI	24.89 313 eP	46 02.80	2.3
	0.8s	10.05nm			BKG	2.31 200 eP	09 59.94	-0.7	Z	16s	1.90um	4.7MszX
Z	22s	0.43um		5.2Msz	TOA	2.34 117 P	10 00.80	-0.3	N	14s	1.20um	
LMR	151.94	360 ePKP	54 13.30	7.0X	PAX	2.36 94 eP	10 00.89	-0.4	E	14s	1.10um	
	0.8s	7.00nm				eS	10 30.51			eS		50 18.00
AGG	152.39	332 ePKP	54 01.60	-5.5X	SDG	2.43 105 eP	10 01.76	-0.4	TIA	27.80 351 eP	46 30.20	3.2X
PGF	152.63	356 ePKP	54 14.70	7.3X		eS	10 32.38		XAN	28.12 336 P	46 28.50	-1.5
	0.6s	7.50nm			TTA	2.47 265 eP	10 00.83	-1.9		1.0s	2.70nm	3.9mb
BCAO	163.93	230 ePKPd	54 22.00	0.6	NKA	2.52 187 eP	10 05.53	2.4	Z	15s	1.16um	4.6MszX
	0.7s	6.00nm			PWL	2.62 155 iPc	10 03.54	-0.9	N	12s	0.77um	
		id	55 14.50		TZL	2.68 114 eP	10 06.35	1.1	E			

18d 02h

SEP 18, 1993 02h 01m 42.36± 0.29s
 14.388 N ± 5.4km 92.703 W ± 4.2km
 DEPTH = 33.0km (normal)
 4.9mb (54 obs.) 4.9Msz (17 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 Mw 5.5 (HRV).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 28C
 Centroid Location:
 Origin Time 02:01:44.5 0.5
 Lat 14.32N 0.05 Lon 92.94W 0.06
 Dep 36.9 4.1 Half-duration 1.2
 Moment Tensor; Scale 10**17 Nm
 Mrr= 0.77 0.06 Mtt=-1.01 0.08
 Mff= 0.24 0.11 Mrt= 0.97 0.16
 Mrf=-0.95 0.15 Mtf= 0.29 0.06
 Principal Axes:
 T Val= 1.65 Plg=56 Azm= 64
 N 0.04 19 304
 P -1.68 28 204
 Best Double Couple:Mo=1.7*10**17
 NP1:Strike=255 Dip=24 Slip= 38
 NP2: 129 75 110

TPX 0.67 40 iP 02 01.00 5.7X
 PCG 2.03 90 iPd 02 20.67 5.5X
 GCG 2.11 84 iPc 02 23.06 6.8X
 IXG 2.19 95 iPc 02 22.35 5.0X
 SCX 2.34 2 iP 02 24.50 5.3X
 YUP 2.82 93 iP 02 32.49 6.3X
 OXX 4.71 305 eP 02 51.00 -2.1
 LVVM 6.41 327 (P) 03 13.50 -3.5X
 IIT 7.08 311 eP 03 24.00 -2.6
 ACX 7.32 291 eP 03 26.50 -3.3X
 PPM 7.34 310 eP 03 30.00 -0.5
 IIA 7.41 311 eP 03 31.00 0.0
 UNM 7.91 309 eP 03 38.00 -0.3
 CRX 8.34 308 (P) 03 39.00 -5.2X
 MRX 9.69 304 eP 04 01.50 -1.0
 CGX 11.56 299 (P) 04 30.00 1.6
 LTX 18.00 327 eP 05 51.68 -0.2
 UYO 19.76 356 iPd 06 10.60 -1.9
 PSO 20.07 129 eP 06 21.50 5.1X
 MIAR 20.09 358 eP 06 14.57 -1.4
 BOG 20.77 116 eP 06 30.00 6.5X
 HBF 21.60 29 eP 06 32.70 1.2
 TUL 21.61 353 iP 06 34.10 2.5
 PRM 21.73 24 eP 06 33.42 0.6
 SGS 21.76 29 eP 06 34.49 1.5
 MYNC 22.00 19 eP 06 36.35 0.8
 LST 22.20 6 eP 06 38.13 0.7
 SDV 22.29 102 eP 06 41.60 2.9
 LHS 22.71 26 eP 06 43.51 1.1
 TOV 22.86 99 eP 06 48.00 3.8X
 ACO 22.95 347 iPc 06 45.10 0.2
 ELC 23.01 7 eP 06 46.49 1.1
 FVM 23.59 4 eP 06 50.66 -0.4
 ALQ 23.93 331 P 06 55.53 1.0
 TUC 24.30 320 eP 06 59.67 1.6
 CEH 24.65 27 eP 07 01.44 0.1
 NAV 25.18 23 eP 07 06.72 0.3
 BLA 25.23 23 (P) 07 08.32 1.5
 CAR 25.46 96 eP 07 08.00 -1.3
 CVL 26.68 26 (P) 07 19.92 -0.3
 CBN 27.33 27 eP 07 27.00 0.8
 GLA 27.38 317 eP 07 25.97 -0.8
 GLD 27.55 339 eP 07 29.29 0.8
 GOL 27.56 339 eP 07 27.85 -0.8

1.2s 93.71nm 5.3mb
 Z 21s 0.69um 4.2Msz
 PV08 27.91 333 eP 07 31.95 0.0
 PV10 27.93 332 eP 07 31.00 -0.9
 PLM 28.94 315 eP 07 40.35 -0.7
 SRU 29.21 331 eP 07 44.24 0.9
 PEC 29.45 316 eP 07 45.59 0.1
 MSU 29.56 328 eP 07 47.70 1.1
 ARUT 29.70 326 eP 07 47.97 0.2
 YSNY 30.54 21 P 08 10.00 14.9X
 DUA 30.58 331 eP 07 56.23 0.5
 DUG 31.16 329 eP 08 01.05 0.4
 BINY 31.26 24 eP 07 59.91 -1.4
 ISA 31.36 317 P 08 10.00 7.7X
 CRNY 31.57 28 (P) 08 03.71 -0.3
 BW06 31.80 336 P 08 05.11 -1.2
 LSCT 32.01 28 eP 08 07.22 -0.7
 HVU 32.37 331 eP 08 11.08 -0.1
 BONR 32.64 321 eP 08 14.21 0.4
 MEMM 32.86 320 eP 08 15.57 0.3
 HHAI 33.39 333 eP 08 19.97 -0.1
 HRV 33.43 29 P 08 30.00 9.8X
 RSNY 33.80 24 eP 08 22.87 -0.6
 SAO 33.96 316 P 08 30.00 5.1X
 CMB 33.99 319 eP 08 25.04 -0.2
 LBNH 34.63 27 P 08 40.00 9.5X
 MCMT 34.83 335 iPc 08 33.60 1.0
 ORV 35.60 320 (P) 08 39.46 0.6
 ULM 35.86 357 eP 08 44.00 3.1X
 WDC 36.85 321 P 09 00.00 10.6X
 LBFM 36.92 322 eP 08 49.37 -0.9
 LNOR 38.06 331 P 08 59.55 -0.1
 CBM 38.40 27 P 09 10.00 7.7X
 HBO 38.74 325 P 09 05.75 0.3
 BPO 38.93 327 P 09 08.88 1.8
 LPAZ 38.96 141 P 09 08.40 0.3
 LPB 39.17 141 eP 09 15.00 5.4X
 NEW 39.35 334 eP 09 10.01 -0.3
 OD2 39.38 332 P 09 10.62 0.0
 VLL 39.46 328 P 09 13.01 1.6
 SSOR 39.47 326 P 09 11.15 -0.4
 DPW 39.52 333 eP 09 11.82 0.1
 ASR 39.89 328 P 09 16.99 2.1
 EBG 39.91 330 P 09 15.82 0.9
 NAC 39.91 330 P 09 15.69 0.7
 SAW 39.93 332 P 09 15.51 0.4
 WTV 40.18 331 P 09 18.27 1.0
 ETW 40.29 331 P 09 18.88 0.7
 LON 40.41 329 eP 09 18.89 -0.2
 FMW 40.46 329 P 09 21.31 1.6
 BMW 40.94 328 P 09 24.84 1.3
 CCH 41.04 139 eP 09 25.00 0.1
 GMW 41.44 329 eP 09 27.61 0.1
 SIV 43.45 133 P 09 44.50 0.2
 YKA 50.50 347 eP 10 45.90 6.9X
 BAO 53.32 122 eP 11 01.90 0.9
 PPD 54.38 131 eP 11 07.80 -0.8
 SOB1 56.48 111 eP 11 24.80 0.8
 VAO 58.18 129 (P) 11 36.00 0.1
 INK 59.88 344 eP 11 46.50 -0.4

RES 60.31 359 eP 11 49.50 -0.2
 KLU 60.33 334 eP 11 49.62 -0.6
 TOA 60.71 334 eP 11 53.40 0.6
 PMR 61.76 333 eP 11 59.31 -0.5
 SLKM 61.83 332 eP 11 59.34 -1.1
 FBA 62.62 337 eP 12 04.47 -1.1
 CRP 62.99 332 (P) 12 07.13 -1.1
 TTA 65.25 333 (P) 12 21.30 -1.5
 EKA 78.05 36 P 13 38.70 -0.5
 PAB 79.74 52 ePd 13 48.60 -0.3
 LPF 80.55 43 eP 13 51.90 -1.0
 GRR 80.60 42 eP 13 51.50 -1.7
 FLN 80.78 42 eP 13 53.30 -0.8
 LDF 81.04 42 eP 13 53.10 -2.4
 MFF 81.43 44 eP 13 56.70 -0.9
 LFF 82.39 46 eP 14 01.90 -0.7
 EPF 82.52 48 eP 14 02.90 -0.5
 LSF 82.64 44 eP 14 02.80 -1.1
 LPO 82.75 46 eP 14 03.80 -0.7
 RJF 82.84 45 eP 14 04.00 -1.0
 TCF 83.09 44 eP 14 05.20 -1.0
 HYF 83.14 43 eP 14 05.90 -0.6
 CAF 83.31 45 eP 14 06.50 -0.9
 MAF 83.34 44 eP 14 06.70 -0.8
 BGF 83.45 44 eP 14 07.20 -0.9
 AVF 83.73 43 eP 14 08.20 -1.3
 SSF 83.77 43 eP 14 08.60 -1.0
 LOR 83.95 43 eP 14 09.80 -0.8
 SMF 84.10 43 eP 14 10.20 -1.1
 LBF 84.10 43 eP 14 10.30 -1.1
 NB2 84.13 28 P 14 10.90 -0.3
 ENN 84.35 39 eP 14 13.00 0.5
 HAU 85.38 42 eP 14 17.30 -0.4
 BSF 85.71 42 eP 14 18.80 -0.7
 CDF 85.86 41 eP 14 19.80 -0.4
 TIC 86.14 84 P 14 22.53 0.4
 LIC 86.23 85 P 14 23.45 0.9
 LPL 86.34 44 eP 14 22.20 -0.6
 LPG 86.36 44 eP 14 22.60 -0.4
 KIC 86.48 84 P 14 25.97 2.2
 LRG 86.67 46 eP 14 24.20 0.0
 LMR 86.81 46 eP 14 24.70 -0.1
 SBF 87.30 45 eP 14 26.20 -1.1
 GRF 87.92 39 eP 14 33.50 3.4X
 PGF 88.79 46 eP 14 34.10 -0.4
 BRG 89.13 37 iP 14 38.20 2.4
 KHC 89.56 39 eP 14 43.00 5.0X
 1.0s 3.50nm 4.6mb

KLU	51.17	36	eP	27	36.49	0.2
			e	27	46.16	
			pP	27	48.54	43km
LEM	52.90	223	iPd	27	48.50	-1.4
BALM	52.94	36	eP	27	49.67	0.0
			pP	28	01.99	44km
HON	54.79	88	P	28	20.00	16.4X
	Z	19s	0.12um			4.0MsZ
INK	55.41	27	ePc	28	07.40	0.0
	0.7s	26.00nm				5.4mb
			pP	28	20.00	45km
SVE	55.55	319	iPc	28	07.80	-0.8
	1.0s	60.00nm				5.6mb
	Z	15s	0.60um			4.8MsZx
	N	15s	0.30um			
	E	15s	0.50um			
			e	28	25.00	66kmX
			e	29	06.50	
WB2	56.09	187	iPc	28	11.30	-1.6
	0.9s	25.90nm				5.3mb
WRA	56.09	187	P	28	11.80	-1.1
	0.9s	17.40nm				5.1mb
WRA	56.09	187	P	28	30.00	17.1X
	1.1s	9.80nm				
CTA	56.13	174	iPd	28	12.20	-0.9
	0.6s	42.67nm				5.7mb
ARU	56.74	319	iPc	28	16.30	-0.9

eS 28 12.00

	1.0s	70.00nm	5.6mb
SIT	57.37	40 P	28 30.00
	Z 19s	1.20um	5.0Msz
HYB	57.74	269 eP	28 24.20
ASPA	59.82	187 iPc	28 37.70
	0.9s	25.40nm	5.4mb
		i	28 50.30
MBL	60.34	203 eP	28 42.00
			-0.5

GBA	60.70	266	Pc	28	45.00	-0.2
	0.9s		10.50nm			5.0mb
POO	60.96	273	eP	28	51.00	4.0X
DZM	62.73	153	iPc	28	58.90	0.2
RES	63.60	14	eP	29	03.00	-0.8
	0.9s		15.00nm			5.1mb
MAIO	63.64	297	eP	29	05.00	0.3
ASH	63.72	299	eP	29	02.00	-3.1X
SDF	65.68	337	eP	29	16.00	-1.4
DAG	66.66	355	eP	29	24.00	0.6
	1.0s		12.00nm			4.9mb
ARMA	66.95	170	iPd	29	25.50	-0.4
	0.9s		16.00nm			5.1mb
STK	67.64	179	iPc	29	29.30	-0.8
	0.7s		4.80nm			4.7mb
MOS	67.72	323	eP	29	30.00	-0.4
	2.0s		110.00nm			5.6mb
			e	29	46.00	58kmX
GMW	68.22	46	eP	29	34.42	0.6
			pP	29	47.06	43km
OBN	68.56	323	iPd	29	35.30	-0.4
	1.0s		21.00nm			5.1mb
Z	15s		0.40um			4.8MsZx
N	17s		0.30um			
			i	29	52.00	61kmX
			e	38	40.00	
RMW	68.84	46	ePc	29	38.26	0.6

		epP	29	50.89	43km
KAF	68.92	333 iP	29	36.60	-1.2
	0.6s	13.40nm			5.1mb
TDL	69.17	47 P	29	40.64	0.9
SHW	69.23	48 (P)	29	41.27	1.1
MTMW	69.33	48 P	29	41.50	0.7
WPW	69.38	47 P	29	41.36	0.3
ETW	69.63	46 P	29	42.62	0.1
GRO	69.63	309 eP	29	43.00	0.6
WTV	69.79	45 P	29	43.52	0.0
EBG	69.85	46 P	29	44.39	0.6
GL2	70.20	47 P	29	46.68	0.7
BRVW	70.41	46 P	29	47.87	0.6
MDW	70.48	46 P	29	48.19	0.6
NUR	70.55	332 iP	29	47.00	-0.7
	0.4s	11.20nm			5.2mb
CROR	70.61	48 P	29	49.00	0.5
GBL	70.66	46 P	29	48.97	0.3
DPW	70.70	44 eP	29	49.25	0.2
		pP	30	01.93	43km
PYA	70.90	311 eP	29	49.00	-1.2
NEW	71.10	44 eP	29	51.25	-0.1
	0.8s	16.59nm			5.1mb
Z	20s	3.09um			5.6Msz

18d 02h

LGPM	71.61	53	pP	30	04.28	45km			1.1s	14.00nm	4.9mb	MIAR	93.29	42	P	32	00.00	12.8X				
			eP	29	55.61	0.9		Z	20s	0.90um	5.1Msz		Z	20s		0.26um	4.7Msz					
			pP	30	07.75	41km				e	31	12.50	46km	RSNY	93.54	25	P	32	00.00	11.9X		
WDC	71.98	53	P	30	10.00	13.3X				e	31	21.50		Z	20s		0.13um	4.4Msz				
	Z	20s	0.13um			4.2Msz				e	31	32.00		LMN	95.19	18	eP	32	09.50	13.8X		
LBFM	71.98	52	eP	29	57.51	0.5		GEC2	83.26	328	P	30	58.90	0.0	SSPA	95.73	29	P	32	10.00	11.7X	
			pP	30	10.59	45km			0.6s	3.03nm	4.6mb		Z	20s		0.09um	4.2Msz					
ORV	73.20	53	eP	30	03.84	-0.1				e	31	10.80	39km	MYNC	97.70	36	P	32	20.00	12.7X		
			pP	30	16.25	42km				e	31	00.00	0.1	Z	19s		0.18um	4.6Msz				
TOO	73.44	176	eP	30	05.90	0.8			0.9s	7.50nm	4.8mb		SLR	122.27	260	ePKP	37	14.00	-13.8X			
	0.9s		17.00nm			5.0mb		GRF	83.64	330	iPc	31	01.80	1.0	TIC	126.76	316	PKP	37	35.83	-0.9	
MNK	73.53	325	eP	30	03.00	-2.5			1.1s	52.00nm	5.5mb			0.6s		3.50nm						
UPP	73.58	334	iPc	30	05.10	-0.6		Z	18s	0.50um	4.9Msz		KIC	126.83	315	PKP	37	35.91	-0.9			
ANN	73.88	314	eP	30	07.00	-0.7				e	31	18.00	57kmX		0.8s		9.50nm					
ARN	74.39	55	eP	30	11.45	0.5		EKA	83.85	340	Pd	31	02.40	0.7	LIC	127.11	316	PKP	37	36.17	-1.2	
HFS	74.74	336	eP	30	11.70	-0.7			0.6s	4.30nm	4.7mb			0.7s		6.50nm						
	0.5s		11.30nm			5.1mb		PTJ	84.46	325	e(P)	31	04.80	-0.3	ARE	145.24	64	ePKP	38	12.00	1.0	
	Z	18s	0.22um			4.5Msz		TUC	84.48	54	eP	31	07.05	1.7	LPAZ	147.54	60	iPKPd	38	16.10	0.9	
			LR	02	19.00				1.6s	36.62nm	5.2mb				LR			29	11.00			
MOL	74.76	340	iPc	30	12.25	-0.2		SKO	84.59	319	iPc	31	06.70	1.1	LPB	147.72	60	ePKP	38	19.30	4.1X	
CMB	74.77	54	eP	30	13.22	0.1			1.0s	40.00nm	5.5mb			1.0s		90.00nm						
	1.4s		41.25nm			5.2mb		KBA	84.76	327	i(P)	31	06.90	0.3	CCH	149.68	59	PKP	38	23.50	5.3X	
NB2	74.86	337	P	30	11.30	-1.9		ENN	84.83	333	eP	31	07.00	0.4	SIV	152.01	50	PKP	38	21.90	0.6	
	0.7s		20.50nm			5.2mb			0.7s	7.90nm	5.0mb		PPD	162.41	40	(PKP)	38	49.00	15.3X			
NAO	75.15	337	P	30	10.90	-3.9X			85.02	21	eP	31	20.50	12.9X		S.D. = 1.0	on 182 of 213 obs.					
MCMT	75.48	45	ePc	30	17.20	-0.1		JAQ	85.09	325	ePc	31	08.10	0.1		%	SEP 18, 1993 02h 28m 32.72± 0.72s					
KVN	75.67	52	(P)	30	15.89	-2.5		VBY	85.53	319	iP	31	10.00	-0.5		26.870 S ± 6.9km	26.681 E ± 7.0km					
BONR	76.17	53	eP	30	21.81	0.4		OHR	0.8s	40.00nm	5.7mb				DEPTH = 5.0km	(geophysicist)						
			pP	30	34.85	45km			85.63	334	iPc	31	10.73	0.1		REPUBLIC OF SOUTH AFRICA	(584)					
BCH	76.57	56	eP	30	24.22	0.8		SNF	85.87	333	P	31	11.70	-0.2		ML 2.2 (PRE).						
			pP	30	36.90	43km		DOU	86.24	331	eP	31	13.20	-0.7								
HHAI	76.67	46	eP	30	25.26	1.4		CDF	1.0s	25.00nm	5.4mb		BFS	0.10	107	iPc	28	35.10	0.1			
			pP	30	38.25	44km		BSF	86.90	331	eP	31	16.00	-1.1		S	28	35.80				
TNP	76.79	52	eP	30	25.53	0.8		HAU	86.93	331	eP	31	16.00	-1.2	KSR	1.02	11	eP	28	52.00	-0.6	
	3.0s		132.08nm			5.4mb			0.8s	10.05nm	5.1mb			S		29	04.00					
AKU	77.22	351	iP	30	27.40	1.1		LOR	88.49	332	eP	31	23.90	-0.8	SWZ	1.25	255	eP	28	57.00	0.5	
	1.0s		24.00nm			5.2mb			0.8s	7.00nm	5.0mb			S		29	15.00					
HVU	77.35	47	eP	30	28.60	0.9		LBF	88.68	332	eP	31	24.80	-0.8	SEK	1.67	150	eP	29	03.00	0.1	
			pP	30	41.23	43km			0.6s	1.80nm	4.6mb			S		29	24.00					
FRB	77.77	13	eP	30	42.50	13.2X		FLN	88.76	336	eP	31	25.40	-0.5	SLR	1.83	52	iPc	29	05.70	0.5	
	1.0s		34.00nm			5.1mb			0.5s	2.60nm	4.8mb			S		29	29.00					
DUG	78.29	49	eP	30	33.82	0.9		LDF	88.79	335	eP	31	25.50	-0.6	BLF	2.27	191	e(P)	29	11.00	-0.7	
	0.2s		4.39nm			5.1mb			0.6s	4.05nm	4.9mb			S.D. = 0.7	on 6 of 6 obs.							
	Z	19s	0.08um			4.1Msz		SSF	88.79	332	eP	31	25.50	-0.6		? SEP 18, 1993 02h 32m 00.85± 1.63s						
			pP	30	46.77	44km			1.1s	7.55nm	4.9mb				26.816 S ± 9.2km	26.456 E ± 23.8km						
BW06	78.62	45	eP	30	34.89	0.1		LPL	88.80	330	eP	31	25.70	-0.8		DEPTH = 5.0km	(geophysicist)					
	0.7s		6.31nm			4.7mb		LPG	88.81	330	eP	31	25.80	-0.8		REPUBLIC OF SOUTH AFRICA	(584)					
VRI	79.14	320	ePd	30	37.50	0.3			0.8s	5.10nm	4.9mb											
UZH	79.50	324	eP	30	39.50	0.4			0.7s	5.20nm	5.0mb		KSR	1.03	23	eP	32	21.00	0.2			
OJC	79.55	326	iPd	30	39.90	0.5		HYF	88.94	333	eP	31	26.70	-0.1		S	32	32.00				
MSU	79.71	50	ePc	30	41.84	1.1		SMF	89.01	332	eP	31	26.70	-0.5	SEK	1.83	146	iPc	32	33.50	0.2	
EMUT	79.74	48	eP	30	41.88	1.0		AVF	89.08	332	eP	31	27.00	-0.5		S	32	54.50				
			pP	30	54.37	42km			0.9s	14.10nm	5.3mb		SLR	1.96	57	iPc	32	35.00	-0.2			
MLR	79.80	320	eP	30	41.00	0.1		GRR	89.21	336	eP	31	27.60	-0.5		S	32	56.00				
			pP	30	57.34	42km			0.9s	10.95nm	5.2mb		BLF	2.30	186	eP	32	40.00	-0.1			
SPC	80.08	325	eP	30	43.10	0.7		BGF	89.46	333	eP	31	28.80	-0.5		S	33	12.20				
SRU	80.35	48	ePc	30	44.84	0.7		LFF	89.58	336	eP	31	29.40	-0.4		S.D. = 0.4	on 4 of 4 obs.					
			pP	30	57.34	42km			1.1s	20.25nm	5.3mb											
ULM	80.51	33	eP	30	48.50	4.0X		MAF	89.85	332	eP	31	30.90	-0.2		& SEP 18, 1993 04h 03m 47.28s						
KSP	80.65	328	iPc	30	45.70	0.5			0.5s	2.60nm	4.8mb				62.519 N	151.173 W						
RSSD	80.81	41	P	31	00.00	13.5X		SBF	89.85	328	eP	31	29.80	-1.4		DEPTH = 92.7km						
	Z	20s	0.55um			4.9Msz			1.0s	16.20nm	5.3mb				CENTRAL ALASKA	(1)						
BRG	81.61	329	iPc	30	50.70	0.5		TCF	89.93	333	eP	31	31.00	-0.5		<AEIC>.						
	1.0s		18.00nm			5.0mb		LSF	90.21	333	eP	31	32.20	-0.6	CUT	0.44	105	iPd	04	01.80	-0.2	
			e	31	02.70	40km			0.6s	6.95nm	5.2mb		SKT	0.57	197	iPd	04	02.86	-0.2			
VRAC	81.65	327	eP	30	51.30	0.9		PGF	90.23	327	eP	31	31.80	-1.3		eS	04	14.61				
	1.3s		82.80nm			5.6mb			0.9s	8.20nm	5.1mb		HUR	0.84	56	eP	04	05.40	-0.4			
CLL	81.67	330	iPc	30	50.60	0.1		FRF	90.43	329	eP	31	32.60	-1.2		eS	04	18.94				
	1.0s		34.00nm			5.3mb		MFF	0.8s	5.90nm	5.0mb			TRF	1.02	23	eP	04	07.56	-0.3		
FV10	81.71	48	ePc	30	52.54	1.2			90.51	334	eP	31	33.80	-0.3		PWA	1.06	144	P	04	08.30	0.2
			pP	31	05.09	42km			0.8s	10.50nm	5.2mb			SUA	1.08	169	iPd	04	08.55	0.1		
PV08	81.82	48	eP	30	52.95	0.9		LRG	90.64	329	eP	31	33.80	-1.0		eS	04	24.75				
SRO	81.96	325	iP	30	53.30	1.2			1.0s	19.40nm	5.4mb				NCG	1.21	203	eP	04	09.82	-0.3	
PRU	82.03	328	iPc	30	52.70	0.3		LMR	90.67	329	eP	31	33.90	-1.0		CGLM	1.28	198	eP	04	10.49	-0.4
	1.0s		20.30nm			5.1mb			1.0s	20.40nm	5.5mb				GHO	1.30	124	ePc	04	11.38	0.3	
	Z	19s	0.70um			5.0Msz		RJF	91.02	333	eP	31	36.30	-0.2		PLRM	1.34	133	eP	04	11.24	-0.2
ZST	82.24	326	eP	30	54.30	0.8			0.7s	8.50nm	5.3mb				PMR	1.34	133	ePc	04	10.97	-0.5	
UZD	82.72	324	e(P)	30	56.20	0.2				0.8s	7.10nm	5.1mb				eS	04	28.18				
MOX	82.74	330	eP	30	56.00	-0.1		TUL	91.07	43	iP	31	37.60	0.7		CRP	1.34	201	iPd	04	11.04	-0.7
	1.1s		16.00nm			5.0mb		CAF	91.13	332	eP	31	37.20	0.1			eS	04	28.09			
	Z	20s	0.60um			5.0Msz			91.62	333	eP	31	39.20	-0.1								

18d 04h

BGL	1.39	205	iPd	04 12.54	0.3		0.9s	27.00nm	4.5mb		1.0s	6.30nm	4.7mb
SPU	1.41	198	iPd	04 12.28	-0.1			iS	23 52.10			pP	27 05.50 13kmX
CKT	1.41	201	iPd	04 12.45	-0.1			Lg	24 14.20		MAW	74.96 170 P	27 18.00 -2.6
CKL	1.44	203	eP	04 13.25	0.4	LSZ	22.50 204 iPc	20 40.90	1.7		0.7s	16.67nm	5.2mb
PMS	1.49	148	P	04 13.30	-0.2	OHR	38.64 340 eP	23 01.50	-1.8	IMA	108.29 5 iPd	diff29 59.34 -2.0	
SML	1.51	117	ePc	04 13.77	0.0	SKO	39.20 341 eP	23 08.50	0.7		e	30 05.47	
BKG	1.54	200	iPd	04 14.10	-0.1	GBA	40.13 75 Pd	23 16.10	0.3		S.D. = 1.1	on 57 of 58 obs.	
			eS	04 34.64			1.0s	6.00nm	4.2mb				
MCK	1.59	39	eP	04 14.49	-0.2	MLR	41.25 348 eP	23 27.00	2.1	* SEP 18, 1993	04h 43m	28.89± 0.77s	
			eS	04 33.88		KIC	42.09 274 P	23 33.55	1.6		21.270 S ± 8.6km	67.451 W ± 10.8km	
NKA	1.78	181	iPd	04 19.74	2.6		1.1s	18.00nm	4.7mb		DEPTH = 206.6 ± 13.7 km		
DHY	1.83	71	eP	04 17.34	-0.7	TIC	42.36 274 P	23 34.55	0.3		CHILE-BOLIVIA BORDER REGION	(124)	
SCM	1.93	109	eP	04 18.79	-0.5		1.0s	13.50nm	4.6mb				
RDT	2.04	197	eP	04 20.60	-0.1	LIC	42.37 273 P	23 36.27	1.9	YJA	2.02 117 ePc	44 09.00	0.0
DFR	2.07	201	iPd	04 21.17	0.1		1.6s	62.50nm	5.1mb		S	44 38.00	
SLKM	2.07	167	eP	04 20.89	-0.2		Z 21s	3.38um	5.2MsZ	HJA	2.71 136 iPc	44 17.20	1.3
CFI	2.10	128	eP	04 21.10	-0.3	UZD	44.24 341 eP	23 50.70	1.6		S	44 53.00	
NCT	2.14	204	eP	04 22.79	0.8	SRO	45.41 342 eP	24 00.70	2.3	ANT	3.66 228 eP	44 25.80	-1.4
PWL	2.15	140	eP	04 21.21	-0.9	VOY	45.43 337 e(P)	24 00.00	1.2		iS	45 07.00	
REF	2.16	200	eP	04 22.68	0.2	SPC	46.09 344 eP	24 04.40	0.4	CCH	4.06 18 P	44 31.30	-1.3
RDW	2.19	202	ePd	04 23.22	0.4	ZST	46.13 341 eP	24 04.40	0.3	CNCB	4.46 353 P	44 37.50	-0.3
MPA	2.21	156	eP	04 22.45	-0.5	KBA	46.51 337 i(P)	24 08.50	1.1		S	45 30.00	
TTA	2.27	283	iPc	04 22.58	-1.2		1.1s	15.40nm	5.0mb	LPB	4.75 352 iPc	44 41.70	0.3
			eS	04 40.45			i	24 16.30			0.9s	92.44nm	
NEA	2.27	23	eP	04 22.44	-1.3	WTTA	47.34 336 i(P)	24 14.70	0.8		S	45 34.00	
TOA	2.37	98	P	04 25.20	0.0		1.0s	12.00nm	4.9mb	LPZ	5.00 352 iPc	44 44.10	-0.6
MLY	2.53	4	eP	04 26.51	-0.8	TMA	47.61 333 ePc	24 16.50	0.4	ARE	6.12 321 eP	45 01.00	2.1
SVW	2.54	238	iPc	04 26.77	-0.7	GEC2	47.85 339 e(P)	24 18.40	0.5		eS	46 00.00	
SEW	2.56	160	eP	04 28.10	0.5		1.1s	9.30nm	4.8mb	PPD	15.03 96 eP	46 52.40	0.0
ILIM	2.59	200	eP	04 28.66	0.5	KHC	48.14 339 eP	24 20.80	0.8	RSTA	17.29 105 (P)	47 19.00	-0.3
SDG	2.61	87	eP	04 28.15	-0.2		1.1s	18.00nm	5.1mb	VAO	19.05 99 (P)	47 38.00	0.1
CCB	2.61	34	ePd	04 27.37	-1.0		e	24 34.50			S.D. = 1.2	on 11 of 11 obs.	
INE	2.63	201	eP	04 27.78	-1.0	LLS	48.14 334 ePc	24 20.20	0.0				
THY	2.63	68	eP	04 29.34	0.6	LPG	48.14 331 eP	24 19.40	-1.0	& SEP 18, 1993	04h 44m	45.01s	
INW	2.64	202	eP	04 28.87	0.1		0.8s	2.95nm	4.4mb		63.118 N	151.270 W	
PAX	2.66	78	eP	04 29.25	0.1	LPL	48.16 331 eP	24 19.20	-1.3		DEPTH = 15.2km		
HDA	2.68	43	iPd	04 28.54	-0.7	DIX	48.26 332 ePc	24 21.10	-0.2		CENTRAL ALASKA	(1)	
KLU	2.68	110	eP	04 27.98	-1.4	KSP	48.71 342 eP	24 25.00	0.7		<AEIC>. ML 3.8 (AEIC), 3.9		
VLZ	2.69	119	eP	04 28.14	-1.2	GRF	49.47 338 iPd	24 30.20	0.0		(PMR).		
TZL	2.73	97	eP	04 30.04	0.1		1.0s	16.00nm	5.0mb	TRF	0.56 53 ePc	44 55.46	-0.6
BRLK	2.77	177	P	04 32.90	2.4		e	24 33.60		HUR	0.76 100 P	44 59.50	0.1
MDM	2.78	27	ePd	04 29.88	-0.8	BRG	49.48 340 eP	24 30.20	-0.1		S	45 10.00	
FBA	2.82	31	eP	04 30.15	-1.1		1.4s	12.00nm	4.7mb	CUT	0.85 147 iPd	45 01.50	0.6
HOM	2.88	185	eP	04 33.35	1.4	OBN	49.61 359 eP	24 32.00	0.9	RND	1.13 74 ePd	45 05.78	0.0
GLM	2.99	32	iPd	04 32.80	-0.8	BSF	49.84 333 eP	24 32.50	-0.7		eS	45 21.05	
CNPM	3.00	181	eP	04 34.29	0.5		1.2s	14.00nm	4.8mb	SKT	1.15 186 iPc	45 06.20	0.2
OPT	3.04	200	eP	04 35.12	0.8	CDF	50.07 334 eP	24 34.10	-0.8		eS	45 21.28	
XLV	3.09	185	P	04 36.00	1.1		1.2s	15.45nm	4.8mb	MCK	1.22 59 eP	45 07.27	0.1
HIN	3.09	131	eP	04 33.61	-1.4	MOX	50.10 339 eP	24 34.60	-0.5		eS	45 24.52	
PDB	3.11	209	eP	04 35.16	0.0		1.3s	15.00nm	4.8mb	PWA	1.61 156 P	45 13.80	0.9
CVA	3.27	125	eP	04 34.26	-3.0	CLL	50.17 340 eP	24 35.00	-0.5	SUA	1.68 171 iPd	45 14.59	0.6
AUL	3.34	200	P	04 40.70	2.4		1.3s	17.00nm	4.8mb	GHO	1.74 140 P	45 15.50	0.7
AUE	3.35	200	P	04 39.40	1.0	HAU	50.17 333 eP	24 35.00	-0.7	NEA	1.76 33 eP	45 14.03	-1.0
AUP	3.35	200	eP	04 38.23	-0.4	DMN	50.27 58 P	24 37.60	0.5		eS	45 39.40	
AUW	3.35	201	P	04 39.50	1.0	SMF	50.38 330 eP	24 36.60	-0.6	NCG	1.77 194 P	45 15.50	0.2
AUH	3.35	200	P	04 39.70	1.1	KKN	50.48 58 P	24 38.60	0.1		S	45 39.90	
AGU	3.36	200	P	04 40.00	1.3	LBF	50.55 331 eP	24 37.90	-0.7	DHY	1.77 90 eP	45 15.84	0.4
AUI	3.38	200	P	04 40.70	1.8	AVF	50.72 330 eP	24 39.30	-0.5		eS	45 39.68	
SGAM	3.50	123	eP	04 41.49	0.9	MAF	50.73 329 eP	24 40.20	0.3	PLRM	1.83 146 eP	45 16.48	0.4
GLB	3.64	104	eP	04 40.54	-2.0	LOR	50.81 331 eP	24 39.80	-0.7	PMR	1.83 146 eP	45 16.15	0.1
IMA	3.73	344	eP	04 42.09	-1.7		0.9s	5.90nm	4.5mb		eS	45 37.40	
RAGM	3.78	122	eP	04 44.81	0.3	BGF	50.82 330 eP	24 40.30	-0.2	CGLM	1.85 191 eP	45 16.61	0.1
CDD	3.80	200	eP	04 45.93	1.2	SSF	50.84 330 eP	24 39.90	-0.8	SML	1.89 133 iPc	45 17.29	0.2
TMW	3.83	74	eP	04 43.90	-1.1		1.0s	6.00nm	4.5mb		eS	45 43.61	
SYI	3.97	189	eP	04 46.92	-0.1	TCF	50.96 329 eP	24 42.00	0.4	CRP	1.90 193 ePc	45 16.88	-0.5
HMT	3.98	120	eP	04 45.53	-1.6		1.6s	29.25nm	5.0mb		eS	45 40.15	
TGL	4.36	110	eP	04 51.38	-1.1	GUN	51.02 58 P	24 43.30	0.5	CP2	1.92 194 eP	45 17.58	0.0
BALM	4.45	106	eP	04 51.81	-2.0	LSF	51.29 328 eP	24 44.10	0.0	BGL	1.93 196 eP	45 18.28	0.6
WAX	4.50	114	eP	04 53.21	-1.2	NUR	55.90 352 iP	25 17.00	-0.9	MLY	1.93 7 eP	45 16.75	-0.9
KDC	4.83	188	eP	04 56.77	-2.1	KAF	57.26 354 iP	25 25.60	-2.0	CKN	1.95 193 eP	45 18.78	0.9
YAH	5.01	111	eP	05 00.15	-1.6		0.9s	11.20nm	4.9mb	CKT	1.97 193 eP	45 18.67	0.4
INK	9.34	44	ePc	06 00.20	-0.6	HFS	57.60 346 eP	25 28.80	-1.3	SPU	1.98 191 eP	45 18.21	-0.1
	1.0s		9.00nm		4.6mb X		1.0s	13.10nm	4.9mb		eS	45 46.43	
	84 obs. associated						Z 16s	0.05um	3.7MsZx				
							LR	47 27.00		PMS	2.04 156 P	45 20.00	0.8
SEP 18, 1993	04h 15m	37.85±	0.41s			WMQ	58.27 41 P	25 35.80	0.6	BKG	2.11 193 eP	45 20.15	-0.1
	5.347 N ± 6.5km	37.561 E ± 7.0km					1.4s	19.00nm	5.0mb		eS	45 46.84	
DEPTH = 10.0km	(geophysicist)					NB2	58.99 345 P	25 37.00	-2.9	CCB	2.17 43 eP	45 19.96	-1.0
4.8mb (28 obs.)	5.2MsZ (1 obs.)						1.3s	13.50nm	4.9mb	TTA	2.17 267 eP	45 18.94	-2.2
ETHIOPIA						EKA	59.52 334 Pd	25 46.50	2.9X		eS	45 50.69	
							0.8s	4.00nm	4.6mb	SCM	2.24 123 eP	45 22.62	0.5
AAE	3.85	18	ePn	16 40.40	1.7	GTA	65.31 49 eP	26 23.00	0.3	MDM	2.28 35 eP	45 21.59	-1.1
NAI	6.62	187	ePn	17 18.30	0.5		1.5s	16.00nm	5.0mb	HDA	2.31 54 eP	45 22.55	-0.5
	Z 16s		0.77um			CD2	66.88 59 P	26 32.00	-0.7	FBA	2.35 39 eP	45 22.58	-1.1
			ePg	17 21.80		LZH	67.75 53 eP	26 38.50	0.2		eS	45 53.52	
			iSg	18 54.00			1.6s	33.00nm	5.3mb	NKA	2.38 180 eP	45 26.75	2.7
BCAO	18.98	268	iPc	20 01.00	-1.0	XAN	71.59 56 P	27 01.60	-0.1	THY	2.51 81 eP	45 28.92	3.0

18d 04h

GLM 2.54 41 eP 45 25.71 -0.6
CFI 2.55 138 eP 45 28.05 1.7
TOA 2.57 111 P 45 27.50 0.8
RDT 2.61 192 eP 45 27.87 0.5
DFR 2.62 195 P 45 28.60 1.0
PAX 2.65 91 eP 45 28.60 0.7
PWL 2.66 147 P 45 29.20 1.2
SLKM 2.67 169 eP 45 29.17 1.0
NCT 2.68 198 eP 45 29.97 1.5
SDG 2.69 100 eP 45 29.04 0.5
REF 2.72 195 eP 45 30.53 1.4
RDW 2.74 196 eP 45 30.53 1.1
MPA 2.79 160 eP 45 32.10 2.3
RED 2.80 195 eP 45 32.07 2.0
SVW 2.87 227 eP 45 30.18 -0.9

ES 46 12.31
TZL 2.91 109 eP 45 33.22 1.7
KLU 2.98 121 eP 45 33.67 1.0
VLZ 3.06 128 eP 45 34.49 0.9
IMA 3.14 342 eP 45 31.27 -3.6
SEW 3.15 163 eP 45 37.42 2.6
ILIM 3.15 196 eP 45 37.01 2.0
INE 3.19 196 eP 45 36.83 1.2
INW 3.19 197 eP 45 37.26 1.7
BRLK 3.37 177 eP 45 39.51 1.4
HOM 3.48 183 P 45 42.40 2.9
OPT 3.60 196 eP 45 43.41 2.0
CNPM 3.61 180 P 45 42.40 0.9
PDB 3.62 204 eP 45 41.85 0.2
CVA 3.68 132 eP 45 43.53 1.1
TMW 3.75 83 eP 45 45.08 1.6
SGAM 3.89 130 eP 45 47.66 2.2
AUW 3.91 197 eP 45 47.41 1.7
AUP 3.91 196 (P) 45 43.99 -1.8
AUH 3.91 197 P 45 49.50 3.7
TGL 4.64 117 P 45 57.70 1.5
BALM 4.69 112 eP 45 57.92 1.0
WAX 4.81 120 eP 45 59.53 1.0
CTGM 5.15 110 P 46 00.00 -3.4
YAH 5.30 117 eP 46 06.42 0.7

72 obs. associated

SEP 18, 1993 05h 02m 27.01± 0.11s
36.421 N ± 3.0km 71.592 E ± 1.8km
DEPTH = 112.6km (geophysicist)
6.1mb (168 obs.)

AFGHANISTAN-TAJIKISTAN BORD REG.(717)
Mw 6.3 (GS), 6.1 (HRV). Felt
(IV) at Khorugh and Kulob; (III)
at Dushanbe, Garm, Nurek, Rogun
and Shaartuz, Tajikistan. Also
felt in northern India and parts
of Afghanistan and Pakistan.
Depth from broadband
displacement seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=350 Dip=70 Slip= 45
NP2: 241 48 153
Principal Axes:

T Val= 1.58 Plg=45 Azm=215
N 0.18 43 9
P -2.97 12 110

Comment: The focal mechanism is
well controlled and
corresponds to reverse
faulting with a large reverse
component. The preferred fault
plane is not determined.

RADIATED ENERGY

No. of sta: 6 Focal mech. F
Energy 1.2±0.5*10¹³ Nm

MOMENT TENSOR SOLUTION

Dep 110 No. of sta: 5
Moment Tensor; Scale 10¹⁸ Nm
Mrr= 1.36 Mtt= 0.77
Mff=-2.13 Mrt=-0.90
Mrf= 1.27 Mtf=-1.56

Principal axes:

T Val= 2.79 Plg=45 Azm=212
N 0.18 43 9
P -2.97 12 110

Best Double Couple:Mo=2.9*10¹⁸
NP1:Strike=240 Dip=50 Slip= 152
NP2: 348 69 43

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 48S, **C M.W.: 25S, 36C

Centroid Location:

Origin Time 05:02:31.0 0.1
Lat 36.48N 0.01 Lon 71.80E 0.01
Dep 117.6 0.6 Half-duration 2.8
Moment Tensor; Scale 10¹⁸ Nm
Mrr= 0.99 0.02 Mtt= 0.43 0.02
Mff=-1.42 0.02 Mrt=-0.48 0.01
Mrf= 0.64 0.01 Mtf=-0.79 0.02
Principal Axes:
T Val= 1.58 Plg=51 Azm=210
N 0.20 37 11
P -1.78 9 108
Best Double Couple:Mo=1.7*10¹⁸
NP1:Strike=233 Dip=48 Slip= 144
NP2: 349 64 48

KSH 4.60 48 P 03 36.90 1.2
FRU 6.82 19 iPnc+ 04 05.00 -0.9
NDI 9.06 147 iPd 04 33.00 -3.3X
IS 06 11.00
MAIO 9.76 273 iPd 04 41.80 -4.1X
0.5s 76.53nm 5.8mb
eS 06 23.00
ASH 10.68 282 iPc 04 52.00 -6.0X
WMQ 14.35 54 Pd 05 42.80 -3.3X
PcP 10 59.20
ScP 14 18.70
ScS 17 55.20
DMN 14.43 124 P 05 42.60 -4.7X
KKN 14.43 123 P 05 42.00 -5.3X
GUN 14.77 121 P 05 46.60 -5.0X
TEH 16.35 274 eP 06 12.50 1.2
SHI 17.34 253 iPc 06 24.00 0.5
BAK 17.45 290 iPd 06 25.00 0.4
iS 09 42.00
LSA 17.70 107 Pd 06 25.30 -2.9
1.0s 640.00nm 5.8mb
Z 12s 31.80um 4.1MsZx
S 09 36.00

POO 17.93 173 iP 06 35.00 4.3X
1.0s 160.00nm 5.2mb
iS 06 40.00
HYB 19.91 160 iPc 06 52.00 0.0
0.8s 1364.40nm 6.4mb
eS 07 22.00
e 08 42.00
iS 10 18.00

KER 20.06 271 iPc 06 53.20 -0.4
TAB 20.17 282 iP+ 06 57.00 2.3
DHR 20.87 247 iPc 07 02.00 0.4
iS 10 40.00
GRO 21.00 297 iPd- 07 04.00 1.2
1.0s 4300.00nm 6.8mb
iPPP 07 32.00
iS 10 54.00

MTA 21.42 292 iP 07 09.20 2.2
0.8s 360.00nm 5.8mb
iPPP 07 42.80
iS 11 03.20
iSS 11 10.80

ERE 21.56 288 iP+ 07 11.00 2.5
iS 11 06.00
SVE 21.69 344 iPd- 07 09.00 -0.6
2.0s 840.00nm 5.7mb
iS 10 56.00

ARU 21.83 340 ePd 07 10.70 -0.3
2.0s 850.00nm 5.8mb
Z 14s 28.00um 5.8MsZx
e 07 45.00
eS 11 01.00
eSS 11 51.00

GTA 22.43 74 iPd 07 17.60 0.5
1.0s 250.00nm 5.5mb
Z 14s 11.60um 5.5MsZx
pP 07 38.00 95kmX
sP 07 49.00
PP 07 51.00
sS 11 55.00

PYA 22.99 298 iPc 07 23.00 0.5
1.5s 2340.00nm 6.3mb
Z 18s 17.00um 5.5MsZ
N 18s 6.00um
E 18s 16.00um

i 07 49.00 127kmX
iPPP 07 57.00
iS 11 25.00
GBA 23.32 166 Pc 07 27.60 1.9
0.5s 999.90nm 6.5mb

RYD 24.39 248 iPc 07 36.00 -0.1
iS 11 44.00
MJMA 24.78 252 iPc 07 39.00 -0.8
SOC 25.33 296 eP 07 46.00 1.3
2.0s 1125.00nm 6.0mb
Z 14s 6.50um 5.3MsZx
N 16s 5.70um
E 13s 5.90um

e 08 08.00 101kmX
e 08 22.00
eS 12 04.00
eSS 12 49.00
LZH 25.95 81 iPd 07 51.80 1.1
2.0s 1380.00nm 6.2mb

pP 08 19.00 129kmX
sP 08 32.00
S 12 15.00
sS 13 00.00
QASM 26.02 255 ePc 07 45.60 -5.7X
KOD 26.61 167 eP 07 57.40 0.4
eS 12 24.00

ZAK 26.69 48 iPc 07 57.50 0.5
2.0s 572.00nm 5.8mb
e 08 23.00 119kmX
eS 12 21.00

ANN 27.19 299 iPc+ 08 01.50 -0.2
1.9s 1080.00nm 6.1mb
iPp 08 26.50 115kmX
i 08 38.50
iPPP 08 58.00
iS 12 32.00

isS 13 18.00
CD2 27.25 92 iPd 08 03.20 0.8
1.3s 670.00nm 6.1mb
pP 08 26.00 103kmX

AFIF 27.33 251 iPc 08 05.60 2.3
GAZ 27.46 282 iP 08 06.50 2.4
IRK 27.95 45 ePd 08 09.00 0.5
2.0s 174.00nm 5.4mb
Z 12s 5.39um 5.4MsZx
E 14s 4.15um

i 08 34.00 115kmX
e 08 48.20
eS 12 40.00
KMI 28.91 104 Pd 08 18.00 0.3
Z 32s 13.90um 5.4MsZx
N 23s 28.80um
E 23s 17.80um

iS 13 02.00
BHL 29.39 276 P 08 20.00 -1.6
PP 09 00.00
S 12 48.00
SIM 29.45 299 iP 08 22.00 0.0
Z 18s 5.00um 5.2MsZ

e 08 45.00
iPp 09 01.00 191kmX
eS 13 02.00
BZK 29.48 292 eP 08 24.70 2.4
KAS 29.69 291 iPc 08 25.30 1.1

SALJ 29.91 272 Pc 08 28.20 2.0
MASJ 29.97 272 Pd 08 29.30 2.5
MOS 30.02 321 iPc 08 27.00 0.1
2.0s 710.00nm 6.1mb

epP 08 50.00 103kmX
e 09 30.00
ePPP 09 43.00
e 11 25.00
eS 13 11.00
eSS 15 01.00

BTO 30.19 70 iPc 08 29.00 0.3
1.0s 110.00nm 5.5mb
pP 08 53.50 111kmX
PP 09 31.00
S 13 20.50

sS 14 03.00
OBN 30.29 319 ePd 08 28.60 -0.6
2.0s 1218.34nm 6.3mb
FAM 30.43 279 eP 08 31.00 0.3
XAN 30.46 83 P 08 30.80 -0.3

1.4s 270.00nm 5.8mb
Z 20s 7.88um 5.4MsZ
N 10s 7.30um
E 10s 5.19um

S 13 25.00
ANTO 30.55 288 eP 08 43.81 12.0X
SHWJ 30.60 269 Pd 08 34.90 2.4
NAQU 30.74 269 P 08 35.20 1.5

18d 05h

BDT	30.86	121	eP	08 34.00	-0.6	N	10s	4.95um								i	10 12.00	109kmX
	1.0s	303.60nm			6.0mb	E	10s	3.06um								i	10 24.60	
CSS	30.98	279	ePd	08 31.00	-4.5X			pP	09 44.00	108kmX						i	10 47.50	
DHJN	31.06	241	iPc	08 37.80	1.0			S	14 48.00							iS	15 40.60	
ABHA	31.19	242	iPc	08 38.70	0.8			sS	15 36.00		HKC	39.37	99	iP	09 49.30	2.3	iS	15 42.00
HHC	31.34	70	Pc	08 39.20	0.4	TIA	36.43	76	eP	09 23.10	0.8	OHR	39.43	293	iP	09 45.50	-1.9	
	1.0s	57.00nm			5.3mb		2.0s	690.00nm		6.2mb					i	10 13.70	125kmX	
Z	34s	13.10um			5.4MszX		Z	40s	9.14um	5.3MszX					i	10 54.50		
		pP	09 05.00	117kmX			N	11s	4.16um						i	11 06.70		
		sP	09 18.00					pP	09 49.00	112kmX					Lg	11 28.50		
		S	13 39.00					sP	10 03.00									
		sS	14 25.00					S	14 53.00		BCI	39.75	295	eP	09 50.00	0.0		
GYA	31.38	98	iPd	08 39.40	0.1			sS	15 42.00		LSK	39.76	291	iPd	09 50.40	0.3		
	1.0s	110.00nm			5.6mb	DRA	36.47	298	ePd	09 25.00	2.5	PVY	39.79	295	iPc	09 51.15	0.7	
Z	32s	14.70um			5.4MszX	LVV	36.59	307	iP	09 24.00	0.5	IYA	39.80	296	iPc	09 51.78	1.3	
N	14s	4.46um				Z	16s	12.90um		5.8MszX		BUD	39.92	303	iP	09 52.60	1.3	
E	14s	1.94um						i	09 47.00		TIR	40.08	293	eP	09 51.50	-1.1		
		S	13 39.00					ipP	10 02.00	174kmX	IGT	40.08	290	eP	09 52.54	-0.2		
PPCY	31.78	279	eP	08 44.00	1.5			ePPP	10 56.00		PLE	40.10	296	iPc	09 54.60	1.6		
KHT	32.32	125	eP	08 48.00	0.6			i	11 19.00		SDF	40.12	335	iP	09 53.80	1.2		
GPA	32.39	290	iP	08 48.40	0.5			iS	14 57.00		LACI	40.14	294	eP	09 52.00	-1.1		
TIY	32.44	75	iPd	08 48.50	0.2			iss	15 38.00		SNY	40.18	66	iPc	09 53.50	0.0		
	1.8s	500.00nm			6.0mb	NFS	37.02	282	eP	09 27.50	0.2		1.6s	230.00nm		5.7mb		
N	11s	5.03um				OUR	37.18	291	eP	09 28.98	0.5	Z	17s	6.00um		5.5MszX		
		pP	09 15.00	120kmX		SRS	37.34	292	iP	09 31.14	1.2			pP	10 20.00	116kmX		
		S	13 56.00			GZR	37.47	299	ePd	09 32.00	1.0			sP	10 32.00			
		sS	14 40.50			PAIG	37.48	290	eP	09 30.90	-0.2			PP	11 34.00			
BCK	32.61	284	eP	08 47.00	-2.8	SOH	37.57	292	eP	09 32.85	0.9			S	15 47.00			
LOE	32.67	117	eP	08 50.00	-0.5	UZH	37.69	305	iPc+	09 34.00	1.2			sS	16 36.00			
NST	32.73	122	eP	08 51.80	0.9		2.4s	3750.00nm		6.8mb				SS	18 46.50			
KIS	33.23	302	iP+	08 56.00	1.1		Z	14s	4.50um	5.4MszX	VLS	40.19	288	iPd	09 53.00	-0.7		
		ipP	09 34.00	181kmX		E	14s	5.50um			SDA	40.22	294	eP	09 53.20	-0.6		
		i	10 13.00					ipP	09 58.00	104kmX	SRN	40.26	291	eP	09 53.90	-0.2		
		i	11 30.00					i	11 37.00		UZD	40.29	302	iP	09 55.80	1.4		
		iS	14 09.00					iS	15 12.00		TTG	40.33	295	iPc	09 55.04	0.3		
		iSS	16 10.00					isS	15 57.00		RAC	40.36	307	eP	09 55.00	0.1		
ISK	33.25	291	iP	08 56.30	1.0			i	19 29.00			3.0s	2.90nm		3.6mb X			
KHL	33.28	286	iP	08 55.70	0.0	QIZ	37.74	107	Pd	09 33.00	-0.5			i	09 56.50	5kmX		
ITU	33.28	291	iPd	08 58.00	2.5			S	15 12.00					i	10 16.00			
ELL	33.28	283	eP	08 56.00	0.3	ATH	37.84	287	iPc	09 36.00	1.9			i(S)	15 54.50			
CIT	33.37	49	eP	08 57.00	0.8			eS	15 20.00		SRO	40.38	303	iP	09 56.40	1.3		
Z	16s	7.28um			5.5MszX	KNT	37.85	292	eP	09 34.42	0.2			i(Pp)	10 24.10	122kmX		
		e	09 22.00	111kmX		THE	37.89	292	iP	09 35.60	1.1			i(PP)	11 37.30			
		eS	14 10.00					i	11 16.80	592kmX	AAE	40.39	236	P	09 59.00	3.2X		
CFR	33.68	299	eP	08 59.00	0.1			iS	15 20.80		ULC	40.42	294	iPc	09 54.78	-0.7		
KCT	33.88	290	iP	09 02.00	1.3			i	20 24.80		KEK	40.45	291	eP	09 55.00	-0.7		
HLW	34.15	271	eP	09 04.00	0.9	KAF	37.95	327	eP	09 34.80	0.0	NKY	40.46	296	iPc	09 56.30	0.4	
EDC	34.24	290	iP	09 05.00	1.2	VAM	38.09	283	iPd	09 36.50	0.2	VLO	40.52	292	eP	09 55.70	-0.6	
CLI	34.30	301	iPc	09 05.80	1.6	NUR	38.17	324	iP	09 36.70	0.1	BDV	40.68	295	iPc	09 57.21	-0.4	
CIN	34.53	285	eP	09 06.00	-0.3	GRG	38.26	292	eP	09 37.98	0.3	BRY	40.78	296	iPc	09 58.66	0.1	
VRI	34.68	300	ePc	09 09.00	1.5	GZH	38.32	98	P	09 40.00	1.7	HCY	40.89	295	iPc	09 58.95	-0.3	
PTT	34.92	302	eP	09 11.00	1.5		1.4s	260.00nm		5.9mb	ZST	41.17	304	eP	10 01.60	0.1		
BJI	34.93	70	eP	09 10.00	0.3		Z	46s	11.40um	5.3MszX				i	10 02.30	2kmX		
	0.8s	390.00nm			6.3mb	N	10s	2.28um						i	10 30.10			
		epP	09 36.00	116kmX				iS	15 26.00					i	10 37.30			
		esP	09 50.00			LIT	38.34	291	iP	09 37.42	-1.0			i	11 31.70			
		ePP	10 30.00			AGG	38.68	289	iP	09 41.54	0.4	SSE	41.21	83	iPd	10 02.00	0.0	
		eS	14 30.00			VLJ	38.74	285	iPc	09 40.00	-1.7		1.0s	150.00nm		5.7mb		
		esS	15 14.00			SKO	38.81	294	eP	09 42.80	0.6	Z	20s	6.00um		5.5Msz		
MNK	34.94	314	eP	09 09.00	-0.6		1.9s	590.00nm		6.1mb		N	12s	1.40um				
	1.5s	220.00nm			5.8mb			i	09 43.40	2kmX	E	12s	2.00um					
Z	20s	17.80um			5.8Msz			i	10 07.30				pP	10 30.00	123kmX			
		e	10 24.00	398kmX				i	10 20.00				sP	10 43.00				
		ePPP	10 48.00					i	11 20.00				PP	11 44.00				
		eS	14 32.00			KZN	38.85	291	eP	09 43.50	0.9			iS	16 08.00			
		e	15 13.00			NJ2	39.01	82	Pc	09 45.00	1.0			isS	16 55.00			
BUC1	35.22	297	iPc	09 12.00	0.0		1.0s	71.00nm		5.4mb	CN2	41.22	63	eP	10 01.20	-0.8		
MLR	35.24	299	iPd	09 13.00	0.6			pP	10 12.00	119kmX		1.0s	65.00nm		5.4mb			
PUL	35.25	325	ePc	09 12.00	-0.1			sP	10 25.00		Z	12s	4.29um		5.5MszX			
	2.0s	380.00nm			5.9mb			PP	11 20.00				epP	10 29.00	122kmX			
Z	15s	7.00um			5.5MszX			sS	16 25.00				esP	10 42.00				
N	14s	3.80um				SPC	39.05	306	iP	09 45.20	0.9			eS	16 03.00			
E	15s	5.30um						i(Pp)	10 10.20	108kmX	UPP	41.43	322	iPc	10 03.40	0.0		
		ipP	09 37.50	111kmX				i	10 21.80			1.5s	700.00nm		6.2mb			
		isP	09 49.50					i	11 14.50				iPP	10 32.00				
		ePPP	10 52.00			FNA	39.05	292	eP	09 44.02	-0.3			iS	16 04.00			
		iS	14 36.00			DL2	39.29	71	iPd	09 48.00	1.8	VRAC	41.43	306	iPc	10 04.60	1.0	
		e	17 37.00				1.0s	350.00nm		6.1mb		2.3s	3239.70nm		6.7mb			
EZN	35.49	290	iP	09 15.00	0.7		Z	22s	3.08um	5.1Msz				epP	10 32.40	122kmX		
ALN	35.54	291	eP	09 15.90	1.1		N	13s	3.44um					esP	10 43.30			
PRK	35.62	289	eP	09 16.50	1.0		E	10s	2.32um					ePP	11 44.00			
ARO	35.86	234	eP+	09 19.00	1.2			ipP	10 14.00	114kmX				e	12 07.10			
CMP	35.88	299	iPd	09 20.00	2.3			sP	10 26.00		KSP	41.56	308	iP	10 05.20	0.5		
RDO	35.89	292	iPd															

			i	10	42.70	
			iP	11	45.20	
SOP	41.57	303	i	10	04.90	0.1
QZH	41.64	92	Pd	10	07.00	1.3
Z	18s		3.63um			5.3Msz
E	10s		2.49um			
			PP	11	50.00	
			S	16	15.00	
			SS	17	00.00	
IPM	41.66	133	ePc	10	07.00	1.2
	0.5s	134.90nm				6.0mb
			e	10	35.50	125kmX
VKA	41.69	304	iPc	10	07.40	1.6
	2.5s	1735.00nm				6.4mb
			i	10	44.90	171kmX
			i	11	52.90	
			i	12	08.10	
			e	19	35.00	
LCI	41.70	292	P	10	04.57	-1.4
	1.3s	1032.10nm				6.4mb
KTK1	41.88	336	eP	10	06.27	-0.8
BRT	42.14	293	P	10	09.84	0.2
	1.2s	440.80nm				6.1mb
ZAG	42.17	301	iPc	10	10.20	0.4
PTJ	42.18	301	iP	10	10.50	0.6
HVAR	42.25	297	iPc	10	10.40	0.0
BSD	42.41	315	iPd	10	11.10	-0.4
	1.6s	670.00nm				6.2mb
			i	10	48.00	168kmX
VBY	42.72	300	eP	10	14.90	0.7
			i	10	16.40	
			i	10	29.80	
			ipP	10	40.90	113kmX
PRU	42.72	307	Pc	10	14.70	0.5
	1.8s	1030.00nm				6.3mb
Z	15s	5.00um				5.5MszX
			e	10	41.40	116kmX
			i	10	52.00	
			ePP	12	02.00	
			S	16	27.90	
			SS	19	33.70	
BRG	43.05	308	iPc	10	17.20	0.4
	1.8s	870.00nm				6.2mb
			ipP	10	45.50	124kmX
			iSP	10	56.00	
			iS	16	37.00	
TDS	43.06	292	P	10	17.46	0.4
	2.2s	1605.60nm				6.4mb
LJU	43.14	301	ePc	10	18.00	0.3
LJU	43.14	301	eP	10	18.50	0.8
			epP	10	45.20	116kmX
			e	10	46.00	
			i	10	56.00	
			i	10	58.00	
			e	11	39.00	
			ePcP	12	07.00	
			e	12	24.00	
			e	12	24.50	
			e	12	35.00	
			eS	16	38.00	
			eSS	19	54.00	
KMR	43.16	304	iP+	10	17.30	-0.5
			ipP	10	45.30	123kmX
			iSP	10	56.00	
			i	12	12.90	
			ipPP	12	25.20	
GRI	43.21	291	P	10	17.72	-0.6
	1.1s	348.70nm				6.1mb
BRNL	43.34	311	ePc	10	20.00	0.9
			epP	10	46.80	116kmX
			ed	10	57.10	
RIY	43.35	300	iPc	10	19.70	0.4
GEC2	43.37	305	e(P)	10	26.90	7.3X
	0.3s	0.70nm				3.9mb X
GEC2	43.37	305	e(P)	10	20.50	0.9
	1.1s	59.60nm				5.3mb
KHC	43.42	306	iP	10	21.60	1.7
	1.5s	330.00nm				5.9mb
			e	10	40.00	75kmX
			e	10	49.00	
			e	10	57.00	
			i	12	24.00	
			S	16	4	

		LR	27	37.00	
MGR	43.53	293 P	10	20.54	-0.3
	1.0s	658.20nm			6.4mb
TRO	43.53	336 eP	10	20.25	-0.2
VOY	43.59	301 e(P)	10	21.20	-0.2
		e	10	51.30	133kmX
		e(P)	16	45.50	
CLL	43.61	309 iPc	10	21.20	-0.2
	1.8s	620.00nm			6.1mb
		iPp	10	48.80	120kmX
		iSp	10	59.20	
		eS	16	38.00	
SGO	43.62	293 P	10	21.96	0.4
	1.8s	1691.70nm			6.5mb
SOI	43.68	290 P	10	21.78	-0.3
	2.4s	1981.40nm			6.5mb
TRI	43.72	301 e(P)	10	22.50	0.1
		e(pP)	10	59.60	168kmX
		e	12	20.00	
		e(S)	16	41.00	
		e(SS)	20	08.00	
		e(SSS)	20	52.00	
RBL	43.75	302 P	10	22.06	-0.6
KBA	43.81	303 iPd	10	23.80	0.5
	2.2s	1032.00nm			6.2mb
		i	10	50.00	113kmX
		i	11	03.70	
		i	12	14.50	
		i	12	37.90	
COP	43.83	315 iPc	10	24.50	1.4
	1.3s	692.31nm			6.3mb
		i	10	51.30	116kmX
WET	43.87	306 iPc	10	24.70	1.1
	1.8s	611.00nm			6.1mb
DUI	43.99	295 P	10	25.29	0.6
	1.9s	1445.50nm			6.4mb
MDJ	44.03	61 eP	10	26.00	1.2
BHG	44.04	304 eP	10	24.50	-0.4
	1.8s	1178.00nm			6.4mb
ATN	44.10	290 P	10	25.78	0.2
	1.7s	696.00nm			6.2mb
FVI	44.26	302 P	10	26.22	-0.5
	2.1s	792.80nm			6.1mb
HOF	44.40	308 eP	10	28.00	0.2
	1.8s	636.00nm			6.1mb
SDI	44.45	295 P	10	29.36	1.0
	1.7s	665.90nm			6.1mb
MOX	44.54	308 ePd	10	28.90	0.0
	2.0s	1050.00nm			6.3mb
Z	20s	4.60um			5.4MsZ
		e	17	05.00	
AQU	44.61	296 P	10	30.85	1.2
	1.1s	798.50nm			6.4mb
ARV	44.70	298 P	10	30.89	0.6
	1.0s	782.80nm			6.4mb
NB2	44.73	323 P	10	27.20	-3.1X
	0.9s	132.80nm			5.7mb
MNO	44.75	290 P	10	32.25	1.3
	1.2s	346.50nm			6.0mb
MEU	44.81	289 P	10	32.97	1.7
	1.8s	409.50nm			5.9mb
PZI	44.84	289 P	10	31.37	-0.1
	1.1s	418.20nm			6.1mb
GRF	44.89	307 iPc	10	32.80	1.1
	1.9s	2417.00nm			6.7mb
Z	19s	5.00um			5.5MsZ
		i(pP)	11	00.50	120kmX
		e(sP)	11	10.90	
		eS	17	06.50	
LOF	44.93	333 eP	10	31.56	-0.1
WTTA	44.94	303 iPd	10	32.00	-0.3
	1.5s	472.00nm			6.0mb
		i	10	59.50	119kmX
		i	11	09.20	
WATA	44.97	304 iPd	10	32.10	-0.4
		i	11	10.40	174kmX
ASS	44.99	297 P	10	33.95	1.3
	2.4s	2558.10nm			6.6mb
FUR	45.05	305 eP	10	33.50	0.5
MNS	45.12	296 P	10	33.54	-0.1
	1.2s	830.00nm			6.4mb
CTI	45.13	302 P	10	33.40	-0.3
	1.6s	799.50nm			6.2mb
SQTA	45.23	303 iPd	10	34.10	-0.5
	1.7s	600.00nm			

	1.2s	916.00nm			6.4mb
RDP	45.24	296 P	10	35.08	0.5
	1.2s	1207.30nm			6.6mb
GIB	45.24	290 P	10	33.95	-0.7
	1.1s	270.30nm			5.9mb
MOTA	45.28	304 iPd	10	34.50	-0.5
	1.4s	296.00nm			5.9mb
		i	11	01.70	118kmX
		i	11	11.80	
CRE	45.38	298 P	10	36.79	1.1
	1.9s	1169.80nm			6.3mb
SFI	45.39	299 P	10	36.93	1.3
	1.3s	723.40nm			6.3mb
OGA	45.41	303 iPd	10	36.00	-0.1
KONO	45.45	321 ePc	10	31.25	-4.6X
	2.3s	927.66nm			6.2mb
		epP	10	58.41	118kmX
PGD	45.49	299 P	10	38.36	1.7
MUD	45.66	317 iPd	10	38.20	0.6
	1.8s	708.00nm			6.1mb
		i	11	15.70	169kmX
TIK	45.66	22 iPd	10	37.00	-0.4
	1.0s	30.00nm			5.0mb X
		iPdP	11	04.00	117kmX
		e	12	12.00	
		eS	17	10.00	
		iSS	17	58.00	
FIR	45.84	299 eP	10	32.00	-7.2X
		i	10	40.00	27kmX
		iS	17	18.00	
VLA	45.96	62 iP	10	40.00	-0.1
	2.0s	342.00nm			5.8mb
		iPdP	11	07.00	116kmX
		i	12	12.00	
		i	12	30.00	
		iS	17	10.00	
SAL	45.98	301 P	10	41.22	1.0
	1.1s	2165.90nm			6.8mb
OSS	46.04	303 iPd	10	41.00	0.0
PII	46.37	299 P	10	42.90	-0.5
	1.6s	684.80nm			6.2mb
VDL	46.54	303 iPd	10	44.80	-0.2
MOL	46.58	325 eP	10	44.45	-0.3
LLS	46.78	303 iPd	10	46.50	-0.4
BOB	46.90	300 P	10	48.15	0.5
ODD1	46.95	321 eP	10	48.29	0.4
SLE	46.96	305 ePc	10	48.10	0.0
TMA	47.01	302 iPd	10	48.10	-0.6
BLS5	47.05	321 eP	10	49.05	0.5
ZLA	47.08	304 iPd	10	48.50	-0.6
HOFF	47.10	306 P	10	50.17	1.0
VAI	47.13	302 P	10	48.68	-0.7
	1.8s	2731.90nm			6.7mb
LANF	47.20	306 P	10	50.73	0.8
FEL	47.26	305 P	10	50.21	-0.3
BNS	47.30	309 ePc	10	50.30	-0.3
	2.0s	340.00nm			5.8mb
Z	17s	5.70um			5.6MsZx
		iPdPc	10	51.09	3kmX
		ed	11	28.70	
		e	21	22.00	
WIT	47.37	312 eP	10	53.00	1.9
		e	11	18.00	106kmX
		e	11	31.00	
		e	13	05.00	
WTS	47.39	311 eP	10	51.50	0.2
	1.4s	857.10nm			6.3mb
		e	11	19.00	118kmX
		e	11	30.00	
		e	13	19.00	
LIBD	47.48	305 P	10	52.66	0.6
WLS	47.59	306 P	10	52.82	-0.3
BER	47.60	322 eP	10	52.02	-0.8
BAG	47.63	101 eP-	10	55.20	1.4
	1.0s	62.00nm			5.4mb
		e	12	48.00	641kmX
		e	17	40.00	
CDF	47.65	306 eP	10	53.00	-0.5
	1.6s	361.95nm			5.9mb
MMK	47.64	302 ePd	10	54.00	0.3
EGD	47.65	322 eP	10	52.30	-0.9
ASK	47.66	322 eP	10	52.50	-0.8
BBS	47.67	304 P	10	52.99	-0.7
KMY	47.67	320 eP	10		

18d 05h

ECH	47.76	305 P	10	54.03	-0.3	TKSJ	50.30	73 P	11	13.60	-0.3	MAP	53.87	105 ePd	11	43.00	2.3	
CKI	47.79	300 P	10	54.52	0.0	SSF	50.42	305 eP	11	14.00	-0.6	YRC	53.96	314 eP	11	40.40	-0.5	
	2.0s	1217.30nm			6.4mb		1.7s	726.40nm			6.4mb	YRH	54.09	313 eP	11	40.90	-1.1	
MOF	47.84	305 P	10	55.01	0.0	AVF	50.58	304 eP	11	15.30	-0.6	KAKJ	54.14	68 P	11	41.90	-0.5	
SHNJ	47.97	74 P	10	57.20	1.2		1.6s	982.60nm			6.5mb	OFUJ	54.19	64 eP	11	42.40	-0.4	
DIX	48.02	303 iPd	10	56.50	-0.1	PLDF	50.61	303 P	11	15.88	-0.3	HOOJ	54.22	60 eP	11	42.80	-0.2	
BSF	48.07	305 P	10	45.67	-11.2X	KKM	50.75	116 ePd	11	20.50	2.9	EBR	54.32	298 eP	11	44.00	0.2	
BSF	48.07	305 eP	10	56.30	-0.5			e	11	49.00	121kmX	EROQ	54.38	298 iPd	11	44.03	-0.2	
	1.4s	674.40nm			6.3mb	AGO	50.92	303 P	11	18.46	0.0	EGRA	54.43	300 iPd	11	40.58	-3.9X	
MEM	48.09	309 iPd	10	57.34	0.6	HYF	50.94	305 eP	11	18.30	-0.3	ELIZ	54.95	301 iPd	11	48.67	0.3	
ENN	48.11	309 eP	10	57.50	0.6		1.6s	1582.10nm			6.7mb	DAG	54.97	344 eP	11	48.00	0.0	
	1.2s	205.20nm			5.8mb	BGF	50.98	304 eP	11	18.00	-0.9		0.6s	263.33nm			6.4mb	
	e		11	25.00	118kmX		1.4s	244.85nm			6.0mb	ETA	55.06	313 eP	11	48.00	-0.9	
	e		11	35.00		LBL	51.05	302 P	11	18.46	-1.1	DLF	55.08	314 eP	11	49.40	0.3	
LOMF	48.14	304 P	10	56.91	-0.4	PYM	51.08	303 P	11	19.52	-0.3		1.4s	522.00nm			6.3mb	
WLF	48.15	307 iPd	10	57.88	0.7	TSRJ	51.22	71 P	11	22.20	1.4	CME	55.16	310 eP	11	48.50	-1.2	
	1.8s	455.50nm			6.0mb	MAF	51.25	304 eP	11	20.80	-0.2	ECP	55.29	313 eP	11	49.60	-1.0	
	e		11	23.00	106kmX		1.6s	820.90nm			6.4mb	CPZ	55.41	310 eP	11	50.00	-1.5	
HAU	48.33	305 eP	10	58.30	-0.4	WKYJ	51.40	72 P	11	23.20	0.9	ECB	55.49	313 eP	11	51.40	-0.6	
	1.6s	853.25nm			6.3mb	TCF	51.47	304 eP	11	22.40	-0.3	DCN	55.50	314 eP	11	51.70	-0.4	
Z	23s	2.15um			5.1MszX		1.6s	820.90nm			6.4mb		1.4s	808.00nm			6.5mb	
EMS	48.34	303 ePd	10	59.10	0.1	LSF	51.94	304 eP	11	25.20	-1.0	CGP	55.57	106 eP	11	56.00	2.9	
DBN	48.37	311 iPd	11	01.00	2.1		1.6s	554.70nm			6.3mb	ACU	55.80	296 iPd	11	54.33	-0.2	
	ePd		11	26.00	105kmX	CAF	51.94	302 eP	11	26.10	-0.2	ECHE	55.81	297 iPd	11	54.42	-0.2	
	i		11	37.00			1.7s	458.80nm			6.2mb	ECRI	55.82	301 iPd	11	54.26	-0.4	
	ePP		13	04.00		EDR	52.03	318 eP	11	26.00	-0.7	CTB	55.97	108 eP	12	00.00	4.0X	
	eS		17	54.00		ETER	52.17	299 iPd	11	27.80	-0.1	ETOR	56.13	299 iPd	11	56.58	-0.4	
	e		18	48.00		RJF	52.21	303 eP	11	28.10	-0.1	EALH	56.78	295 iPd	12	02.29	0.8	
	eSS		21	00.00			1.8s	935.65nm			6.4mb	DAV	57.10	107 ePd	12	06.00	2.0	
AUTN	48.48	300 P	11	00.86	0.7	Z	20s	1.90um			5.1Msz	EVIA	57.27	296 iPd	12	05.39	0.4	
DOI	48.49	301 P	10	58.50	-1.5	MTMJ	52.22	69 P	11	28.50	0.0	AKU	57.33	331 iPd	12	05.30	0.4	
	1.2s	295.20nm			6.0mb	ESY	52.26	317 eP	11	27.10	-1.3		1.9s	1936.84nm			6.8mb	
SBF	48.51	300 eP	11	00.00	-0.2	EDU	52.36	318 eP	11	28.20	-0.9		i		12	32.20	111kmX	
	1.7s	976.35nm			6.4mb	LDF	52.41	307 eP	11	28.70	-0.9		i		12	44.80		
	e		11	00.30	0.1		1.9s	1228.00nm			6.5mb	VAL	57.65	313 iPd	12	07.20	-0.1	
VITF	48.53	306 P	11	01.14	0.4	YSS	52.44	55 iPd	11	30.00	0.2		1.9s	6.00nm			4.3mb X	
AURF	48.58	300 P	11	01.14	0.4		0.8s	20.00nm			5.1mb		S		20	42.00		
REVf	48.59	300 P	11	00.47	-0.3	Z	15s	3.10um			5.5MszX	EHUE	57.66	296 iPd	12	06.74	-1.0	
LPG	48.59	302 eP	11	01.00	-0.1	E	13s	3.20um				GUD	57.68	299 iPd	12	06.79	-1.1	
	1.7s	1011.65nm			6.4mb		e		11	56.00	109kmX	ENIJ	57.71	295 iPd	12	07.05	-1.0	
LPL	48.60	302 eP	11	01.00	-0.1		e		12	10.00		BCAO	58.08	250 iPd	12	08.70	-2.2	
	1.5s	566.20nm			6.2mb		eS		18	46.00			0.8s	186.00nm			6.1mb	
TOUF	48.60	300 P	11	00.97	-0.1		iS		19	32.00		PAB	58.24	298 eP	12	10.03	-1.8	
RSL	48.64	302 P	11	00.46	-0.8		e		21	08.00			2.6s	1174.94nm			6.4mb	
BNI	48.75	301 P	11	01.78	-0.3	EBL	52.52	317 ePd	11	29.70	-0.7	EBAN	58.38	296 iPd	12	10.92	-1.8	
	1.1s	272.00nm			6.0mb	MAT	52.54	69 eP	11	30.00	-0.8	ECOG	58.58	295 iPd	12	11.87	-2.4	
KBS	48.79	347 eP	11	03.00	1.2		1.1s	54.43nm			5.4mb	EGUA	58.76	295 iPd	12	13.66	-1.7	
KAGJ	48.89	78 P	11	03.90	0.7	Z	20s	2.48um			5.2Msz	ELUQ	58.97	296 iPd	12	15.15	-1.7	
CALN	48.92	300 P	11	03.16	-0.3		eS		18	48.00		ERUA	59.08	302 iPd	12	16.73	-0.8	
QVP	48.98	103 eP	11	23.00	19.0X	EDI	52.57	317 ePd	11	30.20	-0.5	EPLA	59.26	299 iPd	12	18.15	-0.6	
SHK	49.04	73 eP	11	05.10	0.8	FLN	52.59	308 eP	11	29.80	-1.2	EHOR	59.58	297 iPd	12	19.15	-1.8	
DOU	49.07	308 Pd	11	04.80	0.5		1.6s	748.75nm			6.4mb	TOU	59.68	293 eP	12	21.50	-0.1	
	e		11	32.20	117kmX	LPO	52.61	302 eP	11	30.80	-0.4	STS	59.85	303 iPd	12	21.95	-0.7	
	e		11	44.00			1.7s	358.80nm			6.1mb	EPRU	59.92	296 iPd	12	20.77	-2.6	
UCC	49.09	309 P+	11	03.00	-1.4	MRRJ	52.65	61 eP	11	31.00	-0.5	EZAM	60.24	302 iPd	12	25.90	0.5	
	i		11	42.00	174kmX	EKA	52.68	316 Pd	11	30.80	-0.7	EJIF	60.31	295 iPd	12	24.82	-1.1	
	e		13	32.00			1.5s	257.60nm			6.0mb	EVAL	60.76	297 iPd	12	28.60	-0.4	
	S		18	02.00		EBH	52.68	317 eP	11	30.70	-0.9	BMK	61.24	294 eP	12	18.50	-13.7X	
	e		18	49.00		IIDJ	52.70	70 P	11	31.20	-0.8	IFR	61.34	292 iPd	12	28.00	-5.2X	
FRF	49.14	299 eP	11	04.40	-0.6	ESK	52.70	316 eP	11	32.00	0.3		i		12	44.50	62kmX	
SNF	49.18	309 iPd	11	05.21	0.0		2.0s	1110.00nm			6.5mb		i		12	50.50		
	e		11	32.20	115kmX	EAU	52.73	317 ePd	11	31.30	-0.6		i		13	06.50		
	e		11	44.20		ELO	52.75	318 eP	11	30.50	-1.6	AVE	63.14	293 iPd	12	43.00	-1.9	
TGY	49.23	104 ePd	11	08.00	2.0	LFF	52.84	303 eP	11	32.70	-0.1		i		13	07.00	95kmX	
LMR	49.30	299 eP	11	05.50	-0.6		1.6s	486.30nm			6.2mb		i		13	24.50		
	1.9s	420.75nm			6.0mb	NIIJ	52.88	68 P	11	32.90	-0.3	SONG	63.41	222 eP	12	47.80	0.9	
LRG	49.37	299 eP	11	06.10	-0.6	GRR	52.93	307 eP	11	32.30	-1.2	ILT	63.63	23 iPd	12	48.70	1.1	
	1.9s	593.85nm			6.2mb		1.5s	679.00nm			6.4mb		1.0s	60.00nm			5.5mb	
Z	22s	1.90um			5.0Msz	ESEL	52.95	296 iPd	11	33.41	-0.3	Z	14s	3.30um			5.7MszX	
YONJ	49.41	72 P	11	06.90	-0.3	MFF	52.96	305 eP	11	32.60	-1.1		E	14s	2.30um			
NAI	49.52	229 iPd	11	09.40	1.0		1.7s	626.40nm			6.3mb		iS		21	12.00		
	1.0s	5450.00nm			7.4mb X	HAE	53.06	312 eP	11	33.10	-1.2		iPS		21	40.00		
	Z	18s			4.3MszX	TSM	53.14	116 ePd	11	36.50	1.2	TIO	64.13	290 iPd	12	50.00	-1.6	
	iPP+		13	04.30		LPF	53.15	307 eP	11	33.80	-1.2		i		13	21.50	130kmX	
	iPPP-		13	36.00			1.3s	181.25nm			5.9mb		i		13	30.00		
	iS		18	12.00		EAB	53.15	317 ePd	11	34.30	-0.6	OUK	64.46	291 eP	12	53.50	0.0	
PGP	49.60	104 eP	11	08.00	-0.8	CHJJ	53.31	69 eP	11	36.40	0.0	CIA	64.97	292 eP	12	56.00	-0.8	
LBF	50.12	304 eP	11	11.60	-0.9	HGH	53.31	312 eP	11	34.50	-1.7	MTD	65.02	223 iPd	12	40.90	-16.5X	
	1.6s	368.15nm			6.1mb	YAMJ	53.32	66 eP	11	36.30	-0.1		i		12	51.00	32kmX	
LOR	50.13	305 eP	11	11.60	-0.9	HTR	53.48	312 eP	11	36.40	-1.0		i		13	12.30		
	1.7s	424.95nm			6.1mb	HCG	53.65	313 eP	11	38.30	-0.4	LSZ	65.75	227 iPd	13	00.00	-2.0	
Z	21s	2.15um			5.1Msz	EPF	53.70	301 eP	11	37.70	-1.5		i		13	31.60	129kmX	
SSB	50.16	302 P	11	12.59	-0.2		1.4s	173.40nm			5.8mb		i		13	47.00		
PPR	50.17	110 iPd	11	14.00	0.9	WME	53.76	314 eP	11	38.90	-0.6		i		17	39.00		
SMF	50.29	304 eP	11															

18d 05h

GUMO	68.67	89 eP	13 20.10	-0.3	COOL	81.49	139 iPd	14 32.40	-0.6	CFA	146.53	266 ePKP	21 54.20	-0.9
	1.1s	108.40nm		5.6mb	WRA	81.55	122 P	14 30.50	-3.0	RTLL	146.62	267 ePKPd	21 56.00	0.8
RES	68.81	356 eP	13 24.00	3.6X		0.7s	16.10nm		4.9mb X	RTCV	146.85	266 e(PKP)	21 55.00	-0.6
	1.0s	21.00nm		4.9mb X	WB2	81.55	122 iPc	14 32.60	-0.9	RTCB	146.94	267 ePKPc	21 55.00	-0.8
ANM	69.92	23 eP	13 27.70	0.4		0.3s	52.50nm		5.8mb	RTRS	147.02	269 ePKP	21 56.00	0.2
NANU	71.86	138 iPc	13 39.50	0.1	RKG	82.34	144 eP	14 36.00	-1.3	RFA	147.64	261 ePKPd	21 56.30	-0.5
	0.8s	76.00nm		5.6mb			e	15 03.30	120kmX	PEL	148.97	265 ePKP	21 58.50	-0.4
IMA	72.05	18 (P)	13 38.88	-1.4	BEW	82.37	220 iPc	14 37.00	-0.6	S.D. = 1.0 on 465 of 503 obs.				
	0.8s	13.02nm		4.8mb X		1.0s	220.00nm		6.0mb	% SEP 18, 1993 05h 17m 52.86± 0.67s				
BFT	73.15	219 iPc	13 47.00	-0.3	SUR	83.31	221 eP	14 45.00	2.4	26.843 S ± 6.8km 26.770 E ± 6.4km				
	1.0s	320.00nm		6.1mb		1.0s	220.00nm		6.0mb	DEPTH = 5.0km (geophysicist)				
MBL	73.19	133 iPc	13 47.20	-0.1	ASPA	83.82	125 iPc	14 44.40	-0.7	REPUBLIC OF SOUTH AFRICA (584)				
	0.7s	64.00nm		5.5mb		0.7s	44.30nm		5.5mb	ML 3.6 (PRE).				
INK	73.91	9 eP	13 50.50	-0.3			eP	15 14.20	115kmX	BFS	0.06	166 iPc	17 56.10	1.6
TTA	73.93	21 eP	13 49.34	-1.8			i	15 31.50				S	17 57.90	
	1.1s	12.43nm		4.6mb X			e	18 27.00		PRY	0.63	98 eP	18 04.20	-1.4
SLR	74.09	220 eP	13 50.00	-2.6	PMG	84.12	106 eP	14 46.00	-0.7			S	18 12.10	
	1.3s	190.00nm		5.7mb	SIT	84.14	14 (P)	14 46.91	0.7	KSR	0.98	7 eP	18 11.90	-0.2
Z	20s	5.33um		5.8msz		0.9s	12.79nm		4.8mb X	SWZ	1.33	255 eP	18 18.90	0.9
FBA	74.41	16 eP	13 52.76	-1.1	CRZF	84.36	194 eP	15 16.75	115kmX			S	18 36.40	
	0.8s	23.76nm		5.0mb X			eP	14 55.00	7.8X	SEK	1.66	153 iPc	18 23.50	0.6
MTN	74.44	119 eP	13 53.50	-1.2			eP	18 12.00		SLR	1.75	51 iPd	18 25.70	1.5
KNA	74.84	123 eP	13 56.70	-0.2	FORT	85.27	134 iPd	14 52.00	-0.1	BLF	2.32	193 iPd	18 33.50	1.1
KIC	75.26	267 P	13 57.32	-2.2	QIS	85.60	119 eP	14 53.20	-0.9			S	19 01.60	
	0.7s	47.00nm		5.4mb			e	15 24.30	120kmX	BFT	3.16	69 eP	18 44.00	-0.4
FRB	75.28	343 eP	14 02.00	3.2X	BLE	85.64	222 eP	14 59.50	5.6X			S	19 24.50	
	0.8s	14.00nm		4.8mb X		1.0s	150.00nm		5.9mb	HVD	3.91	196 eP	18 55.20	0.1
TIC	75.32	267 P	13 57.54	-2.3			i	15 28.50	111kmX	PKA	4.52	231 eP	19 04.40	0.7
SVW	75.48	22 eP	14 00.64	0.6	JAQ	85.80	341 eP	14 55.00	0.4			S	19 56.00	
	1.2s	44.37nm		5.1mb	LMN	89.17	331 eP	15 12.00	1.0	GRM	6.45	181 e(P)	19 29.00	-1.9
LIC	75.57	267 P	13 59.14	-2.1	LMQ	89.73	335 eP	15 15.00	1.4	POF	6.53	246 eP	19 31.00	-1.0
	0.8s	40.50nm		5.3mb		1.0s	7.00nm		4.7mb X			S	20 40.00	
Z	21s	25.00um		6.5mszX	CTA	90.07	115 iPc	15 14.80	-0.6	SUR	7.57	222 eP	19 45.00	-1.7
BFS	75.82	220 iPc	14 02.70	0.2		0.7s	223.29nm		6.4mb			S	21 09.00	
	1.4s	160.00nm		5.6mb	ULM	93.00	352 eP	15 32.00	3.4X	CER	9.17	223 e(P)	20 05.50	-3.3X
CRP	76.35	20 eP	14 03.75	-1.3	RSNY	93.76	336 eP	15 32.31	0.1			S	21 45.00	
SEK	76.54	219 iPc	14 03.50	-3.0		1.5s	79.90nm		5.9mb	S.D. = 1.3 on 13 of 14 obs.				
	0.3s	272.00nm		6.5mb	STK	94.36	127 eP	15 33.60	-1.3	& SEP 18, 1993 06h 34m 44.74s				
MEEK	76.79	138 eP	14 07.00	-0.8		2.9s	4.10nm		4.3mb X	41.284 N 126.254 W				
		e	14 38.00	122kmX			eP	16 02.49	115kmX	DEPTH = 24.1km				
SWZ	76.81	221 iPd	14 07.00	-1.0	ADE	94.57	131 e(P)	15 35.80	-0.1	OFF COAST OF NORTHERN CALIFORNIA(34)				
	0.8s	173.00nm		5.9mb	NEW	95.33	6 eP	15 39.21	-0.2	<GM-P>. MD 2.8 (GM).				
PMR	76.89	19 eP	14 07.39	-0.4		0.9s	12.53nm		5.4mb	FHC	1.78	105 eP	35 12.03	-2.4
	0.8s	21.17nm		5.0mb X	GMW	95.42	10 eP	15 40.55	0.7			eS	35 17.88	
TOA	77.19	17 eP	14 09.30	-0.3			eP	16 10.01	117kmX	KMPM	1.84	117 eP	35 12.22	-3.1
MRWA	77.49	141 iPc	14 10.90	-0.6	DPW	95.63	7 eP	15 42.03	1.2			eS	35 32.95	
SLKM	77.51	20 eP	14 09.68	-1.7			eP	16 11.63	118kmX	LGPM	2.62	97 eP	35 24.16	-2.3
		eP	14 40.08	120kmX	RMW	95.64	9 eP	15 40.73	-0.2	3 obs. associated				
KLU	77.78	17 eP	14 12.24	-0.6			eP	16 12.06	120kmX	? SEP 18, 1993 07h 19m 16.43± 0.94s				
		eP	14 42.70	120kmX	LON	96.34	9 eP	15 43.77	-0.3	31.455 S ± 26.3km 68.745 W ± 38.8km				
BLF	77.91	220 iPc	14 13.50	-0.5	YSNY	96.88	338 eP	15 46.52	0.0	DEPTH = 100.0km (geophysicist)				
	0.7s	77.00nm		5.6mb		2.1s	195.72nm		6.2mb	SAN JUAN PROVINCE, ARGENTINA (137)				
BAL	78.97	142 eP	14 18.00	-1.6			eP	16 16.93	116kmX	RTCB	0.06	236 iPd	19 31.00	0.1
BALM	79.01	16 eP	14 18.80	-0.8	TOO	100.44	129 ePdiff16	04.30	1.8			S	19 42.00	
KDC	79.15	22 eP	14 20.37	0.2	YBH	101.13	11 ePdiff16	06.52	1.0	RTCV	0.44	156 eP	19 32.00	-0.1
	1.6s	97.49nm		5.4mb			eP	20 09.52				S	19 45.20	
HVD	79.47	219 iPc	14 21.00	-1.5	HVU	102.07	3 (Pdiff16)	09.00	-0.8	CFA	0.46	110 ePc	19 32.20	0.0
	0.7s	54.00nm		5.5mb	CMB	105.09	10 ePdiff16	31.65	8.5X			S	19 45.00	
MUN	79.84	143 iPc	14 24.70	0.5			ePpD	20 21.65		RTRS	1.42	334 eP	19 42.00	0.0
KLB	80.30	141 eP	14 25.00	-1.7	TUL	107.09	349 iPKP	20 53.10	12.0X	S.D. = 0.1 on 4 of 4 obs.				
MBO	80.46	281 iPc	14 27.60	-0.3	VAO	125.80	266 ePKP	21 22.80	5.5X	SEP 18, 1993 07h 56m 25.46± 0.24s				
NWAO	81.11	143 eP	14 31.00	0.1	SPA	126.23	180 iPKPc	21 14.30	-2.6	8.237 S ± 3.9km 74.301 W ± 5.6km				
GRM	81.12	217 iPc	14 30.50	-0.5		0.8s	50.00nm			DEPTH = 152.7km (4 depth phases)				
	0.8s	184.00nm		5.9mb	CCH	138.20	286 PKP	21 39.30	-2.0	4.9mb (11 obs.)				
YKA	81.30	3 P	14 31.00	-0.5	ARE	141.74	291 ePKP	21 44.00	-3.7X	PERU-BRAZIL BORDER REGION (112)				
	0.8s	27.00nm		5.1mb	NNA	142.60	303 ePKP	21 45.00	-3.9X	NNA	4.49	214 iPc	57 33.30	0.3
POF	81.47	224 iPd	14 36.00	3.2X		0.6s	6.67nm					eS	58 21.50	
	0.5s	41.00nm		5.5mb	NNA	142.60	303 ePKP	21 45.00	-3.9X	ARE	8.62	162 eP	58 39.00	10.4X
		i	15 04.00	108kmX		0.6s	6.67nm			LPZ	10.02	144 iPd	58 47.10	-0.3
					CYA	143.40	270 ePKPc	21 44.00	-5.9X	LPB	10.23	144 iPd	58 50.80	0.8
					RTPR	144.69	268 ePKP	21 49.00	-2.9			S	00 45.50	
					MRA	144.76	264 ePKPc	21 49.10	-2.9	CNCB	10.52	145 iPd	58 54.10	0.2
					ANT	144.98	280 ePKP	21 47.50	-5.1X			(S)	00 49.00	

	CCH	12.08 140 P	59 13.40	-0.7	DRA	1.97 241 iPc	04 45.00	0.4	HMT	4.23 128 eP	17 01.27	-1.7			
	YJA	16.24 150 e(P)	00 07.00	0.3	DEV	2.65 276 ePd	04 53.00	0.6	TGL	4.51 118 eP	17 05.85	-0.9			
	HJA	17.17 151 ePc	00 17.20	-0.4	OBN	11.36 30 ePc	06 45.50	-0.1	BALM	4.56 113 eP	17 05.82	-1.6			
	SDV	17.40 12 eP	00 21.70	1.0		1.0s 14.00nm		4.4mb X	61 obs. associated						
	TOV	18.46 14 eP	00 26.80	-5.6X		e	07 17.00								
	OLLA	19.61 23 iPd	00 43.80	-0.6		i	08 45.00		% SEP 18, 1993 10h 08m 48.25± 0.81s						
	MORO	19.90 18 eP	00 48.20	0.9		i	09 19.80		31.515 S ±13.6km 68.115 W ± 7.2km						
		iS	01 26.10			i	09 42.90		DEPTH = 33.0km (normal)						
	TCA	24.70 160 eP	01 33.90	-0.2	NUR	14.93 356 eP	07 30.50	-0.1	SAN JUAN PROVINCE, ARGENTINA (137)						
	MRA	25.34 163 ePc	01 40.00	0.2	KAF	16.49 359 eP	07 49.60	-0.2							
	BAO	26.75 108 eP	01 52.20	-0.8	NB2	17.88 335 P	08 01.30	-4.5X	CFA	0.14 229 iPc	08 53.90	-0.5			
		i	01 56.00	13kmX		0.8s 0.90nm		3.2mb	S	08 59.90					
		i	02 25.80		S.D. = 0.6 on 11 of 13 obs.				RTLL	0.35 301 ePd	08 57.00	0.2			
		i	02 47.80						S	09 03.50					
LTX	46.85 324 ePc	04 41.80	-0.3	& SEP 18, 1993 09h 15m 59.11s					RTCV	0.50 226 e(P)	08 59.00	0.1			
	pP	05 15.00	147km	63.099 N					S	09 06.00					
ALQ	52.61 327 eP	05 24.30	-1.7	DEPTH = 138.0km					MRA	2.23 114 ePc	09 24.00	0.4			
	pP	06 00.20	156km	CENTRAL ALASKA	(1)				(S)	09 51.00					
TUC	53.26 321 eP	05 30.97	0.3	<AEIC>.					TCA	3.02 88 eP	09 34.60	-0.3			
	0.8s 5.79nm		4.4mb						(S)	10 20.00					
	pP	06 05.45	149km	KTH	0.46 4 eP	16 18.88	-0.3	S.D. = 0.5 on 5 of 5 obs.							
LMN	54.51 8 eP	05 38.50	-1.0		eS	16 32.91									
	pP	06 29.00	227kmX	TRF	0.47 42 iP	16 19.02	-0.4	& SEP 18, 1993 10h 20m 10.81s							
SRU	57.87 327 iPd	06 03.00	-0.7		eS	16 34.22		66.309 N 149.679 W							
RSSD	58.65 335 (P)	06 08.69	-0.4	HUR	0.63 101 eP	16 19.44	-0.7	DEPTH = 10.0km (geophysicist)							
GSC	59.00 320 eP	06 11.16	-0.4		eS	16 35.36		NORTHERN ALASKA (676)							
DUG	59.88 327 ePd	06 17.02	-0.5	CUT	0.77 154 iP	16 20.76	-0.3	<AEIC>. ML 2.8 (AEIC).							
	0.8s 6.48nm		4.6mb	RND	1.01 71 eP	16 22.53	-0.7								
BONR	61.60 321 ePc	06 29.85	0.5	MCK	1.12 55 eP	16 23.77	-0.4	MLY	1.36 199 eP	20 35.30	-0.5				
	pP	07 07.38	159km		eS	16 42.06		eS	20 53.87						
MEMM	61.81 321 (P)	06 30.79	0.4	SKT	1.15 193 iP	16 23.93	-0.6	MDM	1.48 155 eP	20 37.01	-0.5				
MMPM	61.84 321 (P)	06 30.72	-0.3		eS	16 42.85		eS	20 58.87						

18d 10h

LR 48 38.00
S.D. = 0.8 on 17 of 19 obs.

SEP 18, 1993 11h 17m 42.23± 0.24s
6.182 N ± 4.1km 133.618 E ± 5.5km
DEPTH = 22.4km (6 depth phases)
5.2mb (30 obs.) 4.6Msz (9 obs.)
WESTERN CAROLINE ISLANDS (209)

BIP 7.59 286 eP 19 26.00 -8.3X
eS 20 42.50
DAV 8.04 277 eP 19 36.40 -4.2X
CGP 9.13 285 eP 19 53.50 -2.3
PLP 9.87 301 ePd 19 58.20 -7.7X
GUMO 13.30 56 eP 20 48.10 -4.2X
1.1s 152.80nm 5.9mb
PJG 13.30 56 eP 20 56.90 4.6X
GUA 13.31 56 eP 20 50.80 -1.7
1.3s 107.69nm 5.7mb
WWKK 13.95 134 eP 21 03.20 2.2
TGY 14.75 303 ePd 21 10.10 -1.4
PPR 15.17 285 ePd 21 24.00 7.1X
CVP 16.24 316 eP 21 33.50 2.7
BAG 16.32 310 eP 21 30.00 -1.9
e 24 45.60
KKM 17.31 270 eP 21 46.50 2.2
1.6s 288.00nm 5.2mb
MTN 19.06 187 eP 22 05.00 -0.9
PMG 20.54 139 eP 22 23.00 1.0
KNA 22.31 192 eP 22 40.00 0.1
QZH 23.57 324 P 22 52.00 -0.1
S 27 06.00
GZH 25.77 313 eP 23 12.00 -1.2
WB2 25.97 178 iPc 23 14.90 -0.3
1.0s 79.30nm 5.3mb
i 23 22.80 28km
QIZ 26.43 301 eP 23 15.50 -4.0X
N 11s 0.78um
E 10s 0.80um
QIS 27.22 168 eP 23 25.60 -1.0
SSE 27.39 336 P 23 28.30 0.3
1.0s 15.00nm 4.6mb
Z 16s 1.40um 4.6MszX
N 12s 0.70um
E 12s 0.90um
eS 28 12.00
SSE 27.39 336 P 23 28.30 0.3
1.0s 15.00nm 4.6mb
Z 16s 1.40um 4.6MszX
N 12s 0.70um
E 12s 0.90um
TKSJ 27.67 1 P 23 32.70 2.2
YONJ 28.87 360 P 23 43.50 2.1
CTA 28.91 155 iPc 23 42.10 0.2
1.9s 2150.00nm 6.6mb X
LEM 28.98 244 ePd 23 43.60 0.8
NJ2 29.20 334 Pd 23 44.00 -0.4
Z 12s 0.37um 4.2MszX
N 10s 0.83um
S 28 38.00
ASPA 29.67 179 iPc 23 47.60 -1.1
1.2s 39.30nm 5.1mb
WHN 30.25 326 eP 23 54.00 0.2
Z 28s 1.48um 4.5MszX
E 10s 0.82um
eS 28 50.00
IPM 32.48 269 ePd 24 14.10 0.4
GYA 32.66 311 iPc 24 16.00 0.8
1.2s 33.00nm 5.1mb
Z 20s 0.67um 4.3Msz
N 14s 1.11um
E 14s 0.61um
TIA 33.50 335 eP 24 21.00 -1.2
Z 22s 1.13um 4.5Msz
E 17s 1.72um
eS 29 46.00
NANU 33.61 211 iPc 24 22.40 -0.8
0.6s 16.00nm 5.1mb
KMI 35.04 306 Pd 24 37.00 1.1
Z 25s 1.40um 4.6MszX
N 12s 0.40um
E 10s 0.30um
pP 24 44.50 25km
S 30 12.00
KMI 35.04 306 Pd 24 37.00 1.1
Z 25s 1.40um 4.6MszX
N 12s 0.40um

E 10s 0.30um
pP 24 44.50 25km
KHT 35.44 287 eP 24 39.70 0.6
XAN 35.93 324 P 24 42.70 -0.4
1.0s 54.00nm 5.4mb
Z 25s 0.92um 4.4MszX
N 12s 0.51um
E 10s 0.52um
pP 24 46.50 13km
S 30 22.00
SS 30 35.00
CHTO 36.02 294 iPc 24 44.00 0.0
1.4s 36.54nm 5.1mb
SNY 36.60 347 Pc 24 47.60 -1.0
Z 14s 0.82um 4.7MszX
N 12s 0.53um
E 12s 0.40um
S 30 35.00
TIY 36.83 331 eP 24 50.80 0.1
N 11s 0.63um
E 19s 1.23um
S 30 25.00
BJI 37.18 338 eP 24 53.50 0.1
2.0s 577.00nm 6.0mb
Z 20s 0.90um 4.6Msz
E 14s 0.67um
eS 30 36.00
eSS 33 04.00
BJI 37.18 338 eP 24 53.50 0.1
2.0s 58.00nm 5.1mb
Z 20s 0.90um 4.6Msz
E 14s 0.67um
eS 30 36.00
eSS 33 04.00
CD2 37.27 315 eP 24 54.60 0.2
1.0s 70.00nm 5.4mb
Z 20s 1.03um 4.6Msz
N 12s 0.85um
CN2 38.15 350 eP 25 00.00 -1.6
1.0s 7.00nm 4.4mb
Z 16s 0.35um 4.3MszX
MDJ 38.44 355 eP 25 03.00 -1.0
STK 38.61 169 iPc 25 04.60 -0.9
1.0s 26.10nm 4.9mb
MRWA 39.07 205 iPc 25 08.40 -1.0
HHC 39.76 334 P 25 15.20 0.0
Z 20s 0.62um 4.4Msz
N 12s 0.38um
E 13s 0.60um
S 31 15.20
eS 31 22.00
BAL 40.01 203 iPc 25 16.50 -0.7
BTO 40.26 332 eP 25 19.00 -0.3
N 11s 0.31um
E 12s 0.37um
ARMA 40.28 156 iPc 25 19.10 -0.5
1.0s 36.00nm 5.0mb
LZH 40.38 322 iPc 25 21.50 1.1
2.0s 226.00nm 5.5mb
Z 20s 0.79um 4.6Msz
N 12s 0.44um
eS 31 29.00
eSS 31 36.00
LZH 40.38 322 iPc 25 21.50 1.1
2.0s 230.00nm 5.6mb
Z 20s 0.79um 4.6Msz
N 12s 0.44um
eS 31 29.00
eSS 31 36.00
ADE 41.21 174 iPd 25 27.20 0.2
CNB 43.86 161 iPd 25 49.30 0.6
TOO 44.91 167 iPc 25 48.00 -9.2X
0.6s 17.00nm 5.1mb
GTA 44.95 322 iPc 25 57.60 -0.1
1.5s 47.00nm 5.2mb
Z 20s 0.63um 4.5Msz
N 10s 0.22um
pP 26 04.00 21km
sP 26 07.50
PP 27 38.00
GUN 50.09 301 P 26 38.00 -0.3
KKN 50.57 301 P 26 42.00 0.2
DMN 50.67 301 P 26 42.80 0.2
HYB 54.87 287 eP 27 12.00 -1.8
WMQ 54.94 321 iPc 27 14.00 0.1
1.0s 40.00nm 5.4mb
Z 12s 0.48um 4.8MszX

PP 29 23.30
KSH 61.33 312 eP 28 01.20 2.3
CSY 74.21 189 iPd 29 17.90 -0.9
0.9s 11.70nm 4.9mb
SVW 75.37 28 eP 29 25.74 0.1
1.4s 69.88nm 5.5mb
TTA 75.64 26 eP 29 27.05 -0.2
1.3s 20.46nm 5.0mb
IMA 77.39 24 eP 29 36.47 -0.6
1.2s 7.89nm 4.6mb
SLKM 77.84 29 eP 29 38.27 -1.2
PMR 78.53 28 eP 29 41.66 -1.5
1.0s 16.45nm 5.0mb
FBA 79.59 25 eP 29 47.34 -1.6
1.4s 12.03nm 4.7mb
INK 85.36 22 eP 30 24.50 5.8X
1.0s 3.00nm 4.5mb
MAW 88.46 201 P 30 34.50 0.8
1.1s 21.74nm 5.4mb
OBN 88.98 325 ePd 30 35.00 -1.5
i 30 42.00 22km
e 30 50.00
LQ 01 00.00
LR 10 00.00
RMW 95.23 41 eP 31 05.94 0.3
KHC 104.26 324 ePd 31 52.50 6.4X
e 32 49.00
BCAO 114.33 278 ePKPc 36 31.00 7.9X
0.9s 5.00nm
MIAR 119.82 44 ePKP 36 33.15 0.3
LMN 125.65 16 ePKP 36 43.50 -0.3
JSC 127.99 37 ePKP 36 48.62 0.0
PEL 144.93 143 iPKPc 37 19.60 -0.3
RFA 145.00 147 ePKPc 37 20.00 0.0
MDZ 146.19 145 ePKP 37 24.10 2.0
NNA 149.39 103 iPKPc 37 32.50 4.9X
0.8s 14.93nm
TCA 149.71 148 i(PKP) 37 32.50 4.8X
ARE 153.38 115 ePKP 37 43.00 9.3X
CNCB 156.37 118 PKPc 37 40.00 1.9
LPB 156.38 118 ePKP 37 39.00 1.1
LPAZ 156.45 117 PKPc 37 39.30 1.0
LR 33 21.00
S.D. = 1.1 on 75 of 89 obs.

SEP 18, 1993 11h 59m 48.66± 0.41s
23.563 N ± 5.5km 123.906 E ± 5.9km
DEPTH = 33.0km (normal)
4.4mb (18 obs.) 4.3Msz (1 obs.)
SOUTHWESTERN RYUKYU ISLANDS (246)
ML 4.1 (BJI).

QZH 5.04 287 Pd 01 02.60 -1.4
S 01 56.50
SSE 7.88 343 Pc 01 42.50 -1.3
0.9s 69.00nm 5.7mb X
sP 01 53.50
SSE 7.88 343 Pc 01 42.50 -1.3
0.9s 69.00nm 5.7mb X
sP 01 53.50
HKC 9.06 264 iP 02 00.50 0.3
NJ2 9.56 333 Pc 02 06.20 -0.9
S 03 51.40
GQP 9.71 188 eP 02 08.50 -0.6
eS 02 30.00
GZH 9.72 269 P 02 08.30 -1.0
QIZ 13.86 254 eP 03 06.40 1.3
XAN 16.76 312 P 03 45.20 2.7
1.4s 21.00nm 4.1mb
sP 03 58.00
TIY 17.19 328 Pd 03 50.60 2.6
Z 20s 1.00um
BJI 17.68 340 eP 03 55.00 1.1
Z 20s 0.60um
BJI 17.68 340 eP 03 55.00 1.1
Z 20s 0.60um
MAT 17.88 40 eP 03 57.00 0.6
0.7s 4.11nm 3.7mb
SNY 18.22 359 Pd 04 00.00 -0.5
Z 16s 0.70um
S 07 22.00
CD2 19.34 297 eP 04 14.40 0.1
HHC 20.12 332 P 04 22.00 -0.6
0.8s 21.00nm 4.5mb
CN2 20.23 3 iPd 04 21.80 -1.8
1.0s 63.00nm 4.9mb
eP 04 33.00 48kmX

KSP	57.46	24	eP	e	32	49.50	-0.5
				e	32	47.60	
				e	32	56.50	
				e	35	01.80	
CMP	57.74	33	ePc		32	51.00	0.9
MLR	58.37	34	eP		32	56.00	1.3
VRI	59.04	34	eP		32	58.00	-1.2
LMN	62.26	324	eP		33	29.00	7.9X
HFS	64.06	16	eP		33	32.10	-0.6
	0.4s		2.70nm				4.7mb
NB2	64.17	14	P		33	32.50	-1.0
	1.2s		13.00nm				5.0mb
LMQ	66.40	323	eP		33	54.00	5.9X
NUR	67.80	20	iP		33	56.70	0.0
	0.5s		3.80nm				4.8mb
OBN	69.47	29	iPc		34	07.00	-0.1
	1.5s		35.00nm				5.3mb
Z	14s		0.30um				4.7MsZX
N	14s		0.10um				
			i		34	15.00	
			i		34	23.50	
			LQ		58	24.00	
KAf	69.50	20	iP		34	07.30	0.1
	0.7s		6.40nm				4.9mb
DAG	76.45	359	eP		34	39.00	-8.7X
	1.4s		16.28nm				4.9mb
MEO	83.57	305	iPc		35	26.20	-0.6
MAW	86.07	158	eP		35	42.00	3.5X
	0.7s		16.67nm				5.3mb
LTX	87.64	299	eP		35	45.93	-1.2
RSSD	88.25	314	(P)		35	49.13	-0.8
	1.2s		4.82nm				4.7mb
GLD	89.07	310	(P)		35	53.89	0.0
	1.0s		9.80nm				5.0mb
SPA	90.25	180	iPc		36	01.30	2.5
	2.0s		325.00nm				6.2mb X
ASPA	142.82	131	ePKP		42	29.20	-3.8X
	1.0s		9.20nm				
			i		42	39.20	
WB2	145.17	126	ePKP		42	36.60	-0.5
	1.1s		20.60nm				
			i		42	47.00	

S.D. = 1.3 on 63 of 80 obs.

* SEP 18, 1993 13h 55m 29.89± 1.15s
18.637 N ± 8.6km 145.558 E ± 17.1km

DEFIN = 1991.1 11.4 Km									
4.6mb (12 obs.)									
MARIANA ISLANDS (216)									
GUMO	5.06	188	eP	56	45.20	0.1			
	1.2s	175.10nm				5.1mb			
PJG	5.06	188	eP	56	45.30	0.2			
GUA	5.11	187	eP	56	45.70	0.0			
	0.6s	186.67nm				5.5mb			
MAT	18.97	342	(P)	59	42.00	0.5			
	0.8s	4.48nm				3.9mb			
		eS		03	08.00				
MTN	34.37	205	eP	02	03.50	-0.1			
	0.4s	96.00nm				5.9mb			
KNA	37.96	207	eP	02	34.40	0.6			
CTA	38.49	179	eP	02	38.10	-0.1			
	0.4s	81.78nm				5.8mb			
WB2	39.89	197	eP	02	49.20	-0.5			
	0.4s	44.10nm				5.5mb			
		eScP		08	23.80				
		eS		08	43.60				
ASPA	43.56	196	eP	03	19.70	0.0			
	0.6s	29.90nm				5.1mb			
		eS		09	35.50				
STK	50.37	184	eP	04	10.90	-1.8			
	1.1s	3.90nm				4.0mb			
NANU	50.38	217	eP	04	13.60	0.7			
	0.6s	18.00nm				4.9mb			
KKN	55.68	291	P	05	00.00	7.7X			
IMA	61.38	24	eP	05	29.56	-1.5			
	0.8s	2.69nm				4.2mb			
FBA	63.41	26	eP	05	42.91	-1.4			
	0.8s	3.71nm				4.3mb			
KLU	63.56	30	eP	05	43.67	-1.7			
INK	69.48	23	eP	06	22.00	-0.5			
	0.9s	2.00nm				3.9mb			
GMW	77.58	44	eP	07	10.93	1.2			
NEW	81.05	42	eP	07	28.01	-0.4			
	0.9s	7.99nm				4.4mb			

18d 14h

BONR 83.43 52 ePd 07 41.75 0.5
 1 08 21.77
 HHAI 85.85 46 (P) 07 54.39 1.4
 HVU 86.13 47 eP 07 55.42 1.0
 DUG 86.69 49 eP 07 57.62 0.5
 0.8s 3.93nm 4.3mb
 ARUT 87.11 51 (P) 07 59.33 0.1
 DAU 87.71 48 eP 08 02.89 0.6
 MSU 87.77 50 eP 08 03.24 0.7
 LPAZ 147.81 91 PKPc 14 59.40 3.5X
 LPB 147.87 92 PKP 14 59.50 3.8X
 CNCB 148.03 92 iPKP 15 00.70 4.6X
 S.D. = 0.9 on 24 of 28 obs.

SEP 18, 1993 15h 00m 29.95± 0.61s
 43.018 N ± 7.0km 145.741 E ± 8.4km
 DEPTH = 45.5km (2 depth phases)
 4.7mb (19 obs.) 4.3Msz (2 obs.)
 HOKKAIDO, JAPAN REGION (224)

KUSJ 0.76 276 P 00 44.40 0.0
 S 00 52.10
 HOOJ 1.92 252 P 01 02.80 2.1
 eS 01 25.30
 ASAJ 2.51 297 P 01 11.30 2.2
 MRRJ 3.49 262 eP 01 23.80 0.7
 AOMJ 4.70 240 P 01 41.40 1.2
 OFUJ 5.00 219 P 01 44.30 0.0
 YAMJ 6.50 224 P 02 04.90 -0.6
 NIIJ 7.74 224 P 02 22.60 -0.2
 KAKJ 8.05 214 eP 02 25.00 -2.0
 eS 03 48.60
 MAT 8.68 224 iPc 02 34.70 -1.1
 0.5s 9.86nm 5.1mb
 eS 04 22.00
 CHJJ 8.69 219 eP 02 36.50 0.6
 S 04 06.50
 MTMJ 8.86 226 P 02 44.70 6.3X
 IIDJ 9.67 221 eP 02 49.70 0.3
 eS 04 36.00
 TSRJ 10.62 229 P 03 02.90 0.5
 MDJ 11.78 283 eP 03 18.50 0.4
 CN2 14.77 280 eP 03 55.80 -1.7
 0.8s 7.10nm 4.1mb
 BJI 22.28 272 P 05 23.00 -1.5
 0.8s 50.00nm 5.0mb
 Z 18s 0.59um 4.1Msz
 TIA 23.00 262 P 05 30.90 -0.6
 0.8s 45.00nm 5.0mb
 NJ2 23.87 252 eP 05 41.40 1.4
 TIY 25.82 270 eP 06 01.20 2.6
 Z 18s 1.21um 4.5Msz
 N 15s 0.61um
 E 17s 0.90um
 BTO 26.62 277 eP 06 05.00 -1.0
 WHN 27.89 254 P 06 18.00 0.6
 XAN 29.97 265 P 06 35.50 -0.7
 1.0s 3.60nm 4.1mb
 LZH 32.77 272 eP 07 00.00 -0.9
 LZH 32.77 272 e(P) 07 00.00 -0.9
 GTA 34.41 280 eP 07 14.30 -0.7
 1.0s 4.00nm 4.3mb
 Z 16s 0.46um 4.3MszX
 CD2 35.31 264 iPc 07 22.40 -0.3
 KMI 39.35 257 Pd 07 57.50 0.6
 1.0s 30.00nm 5.1mb
 KMI 39.35 257 Pd 07 57.50 0.6
 1.0s 30.00nm 5.1mb
 IMA 39.86 34 ePc 08 01.49 1.0
 0.7s 5.32nm 4.5mb
 WMQ 41.41 292 P 08 13.80 0.4
 1.0s 3.70nm 4.1mb
 Z 12s 0.37um 4.5MszX
 FBA 42.29 36 ePc 08 21.64 1.4
 0.8s 5.27nm 4.3mb
 pP 08 34.40 47km
 GUN 50.03 273 P 09 22.40 0.0
 0.4s 13.00nm 5.3mb
 KKN 50.53 273 P 09 26.00 0.0
 0.8s 17.00nm 5.1mb
 DMN 50.76 273 P 09 28.00 0.2
 HYB 61.73 268 eP 10 45.00 -1.1
 KAF 64.50 333 eP 11 02.60 -1.2
 NUR 66.21 332 eP 11 12.80 -1.9
 0.4s 2.30nm 4.6mb
 UPP 69.00 335 iP 11 31.20 -1.0
 NB2 69.91 338 P 11 35.80 -2.0

HFS 0.8s 6.20nm 4.6mb
 69.96 337 eP 11 36.30 -1.8
 0.5s 3.60nm 4.6mb
 CLL 77.48 332 iPd 12 21.90 0.0
 0.9s 11.00nm 4.9mb
 EKA 78.52 342 Pc 12 27.90 0.4
 0.6s 3.40nm 4.5mb
 KHC 79.10 330 P 12 32.50 1.6
 GEC2 79.29 330 P 12 32.10 0.1
 0.6s 0.69nm 3.7mb
 LTX 83.91 55 eP 12 58.50 2.0
 pP 13 11.54 44km
 S.D. = 1.2 on 45 of 46 obs.

SEP 18, 1993 15h 08m 06.98± 0.83s
 59.206 N ± 7.6km 145.028 W ± 3.0km
 DEPTH = 10.0km (geophysicist)
 GULF OF ALASKA (15)
 ML 3.9 (AEIC), 4.1 (PMR).

MID 0.71 289 eP 08 23.82 2.9
 KAIM 0.79 23 iP 08 22.94 0.7
 HMT 1.20 19 iP 08 29.56 0.2
 eS 08 44.06
 RAGM 1.20 8 iP 08 29.30 0.0
 eS 08 44.28
 SGAM 1.30 356 eP 08 31.27 0.2
 eS 08 46.96
 CVA 1.39 345 iP 08 32.42 0.0
 HIN 1.41 329 iP 08 33.21 0.5
 eS 08 51.94
 SNH 1.48 48 iP 08 34.05 0.4
 CYK 1.56 55 eP 08 35.43 0.6
 WAX 1.66 40 iP 08 36.34 0.0
 eS 08 54.40
 CRQM 1.82 31 iP 08 38.73 -0.1
 TGL 1.91 34 iP 08 39.90 0.0
 eS 09 01.92
 YAH 2.03 54 eP 08 41.72 0.0
 eS 09 06.17
 VLZ 2.04 342 iP 08 41.45 -0.2
 eS 09 02.93
 BALM 2.27 35 iP 08 44.88 -0.4
 eS 09 08.35
 GLB 2.32 15 iP 08 45.56 -0.4
 eS 09 11.67
 KLU 2.34 349 iP 08 45.76 -0.4
 PWL 2.35 316 eP 08 45.91 -0.3
 CFI 2.41 327 eP 08 47.10 0.1
 SEW 2.42 294 eP 08 47.68 0.5
 MPA 2.54 302 eP 08 48.27 -0.6
 CTGM 2.56 45 eP 08 48.93 -0.4
 eS 09 16.37
 PTE 2.61 311 eP 08 49.84 0.0
 TZL 2.85 356 iP 08 53.81 0.4
 SCM 2.87 338 iP 08 53.56 -0.1
 SLKM 2.93 299 eP 08 53.98 -0.5
 TOA 2.96 350 iP 08 55.21 0.3
 PMS 3.05 314 eP 08 56.62 0.5
 SML 3.08 329 iP 08 56.66 0.1
 PLRM 3.14 321 eP 08 58.10 0.7
 GHO 3.22 325 eP 08 58.91 0.3
 SDG 3.34 356 iP 09 00.27 -0.1
 PWA 3.43 318 eP 09 02.46 0.9
 SUA 3.63 311 eP 09 04.58 0.0
 PAX 3.78 357 iP 09 05.97 -0.7
 RDT 3.96 293 eP 09 08.30 -0.8
 SPU 4.03 302 eP 09 09.48 -0.6
 DHY 4.05 345 iP 09 09.70 -0.7
 CGLM 4.07 304 eP 09 07.88 -2.7
 BKG 4.07 300 eP 09 10.39 -0.3
 REF 4.08 292 eP 09 10.29 -0.6
 DFR 4.10 293 eP 09 10.55 -0.5
 CUT 4.11 324 eP 09 11.76 0.7
 CRP 4.11 303 eP 09 11.09 -0.2
 CRP 4.11 303 eP 09 12.08 0.8
 CP2 4.15 303 eP 09 12.55 0.7
 NCG 4.18 305 eP 09 12.28 0.1
 BGL 4.21 302 eP 09 12.64 -0.1
 SKT 4.24 314 eP 09 12.64 -0.5
 RND 4.60 338 eP 09 17.72 -0.5
 S.D. = 0.7 on 50 of 50 obs.

* SEP 18, 1993 15h 48m 34.00± 0.59s
 12.573 N ± 9.3km 88.069 W ± 9.9km
 DEPTH = 31.3km (6 depth phases)
 4.9mb (18 obs.) 4.4Msz (21 obs.)

OFF COAST OF CENTRAL AMERICA (76)

PRM 22.03 13 eP 53 29.69 2.0
 e 53 37.86 29km
 LTX 22.10 321 ePc 53 28.73 0.2
 MIAR 22.44 348 eP 53 33.04 1.4
 0.8s 93.93nm 5.3mb
 Z 20s 0.66um 4.1Msz
 e 53 42.32 33km
 JSC 22.48 15 ePc 53 33.73 1.7
 e 53 42.37 31km
 MYNC 22.68 8 eP 53 35.92 1.8
 1.4s 50.45nm 4.8mb
 Z 21s 0.53um 4.0Msz
 e 53 45.24 34km
 MEO 24.08 338 iPd 53 48.10 0.4
 TUL 24.26 345 iP 53 49.70 0.3
 CEH 24.59 18 eP 53 53.45 0.9
 1.2s 75.60nm 5.1mb
 Z 22s 0.60um 4.0Msz
 e 54 01.16 27km
 ELC 24.63 358 eP 53 53.06 0.1
 FVM 25.39 356 P 54 10.00 9.8X
 Z 18s 1.15um 4.4Msz
 NAV 25.49 14 eP 54 00.88 -0.3
 e 54 10.18 33km
 ACO 26.00 339 iPc 54 05.50 -0.5
 CVL 26.72 17 eP 54 12.72 0.3
 ALQ 27.82 326 eP 54 24.39 1.6
 1.3s 20.92nm 4.7mb
 TUC 28.64 317 eP 54 31.90 1.8
 1.4s 32.85nm 4.8mb
 Z 18s 1.68um 4.7Msz
 YSNY 30.92 14 P 55 00.00 9.7X
 Z 19s 0.51um 4.2Msz
 GOL 31.04 334 eP 54 51.38 -0.3
 1.1s 35.04nm 5.1mb
 Z 20s 0.55um 4.2Msz
 iPcP 57 45.84
 BINY 31.33 17 P 55 00.00 6.1X
 Z 20s 0.87um 4.4Msz
 PV10 31.76 328 eP 54 57.14 -0.8
 LSCT 31.76 21 P 55 10.00 12.4X
 Z 22s 0.93um 4.4Msz
 SRU 33.08 327 eP 55 09.28 -0.1
 HRV 33.09 23 P 55 20.00 10.9X
 Z 18s 1.17um 4.6Msz
 EMUT 33.75 328 eP 55 15.40 0.2
 ARUT 33.81 322 eP 55 16.34 0.6
 RSNY 33.91 17 ePc 55 15.34 -0.9
 1.0s 24.16nm 5.1mb
 Z 21s 0.58um 4.3Msz
 RSSD 34.30 339 eP 55 20.27 0.4
 0.7s 20.93nm 5.2mb
 Z 22s 0.45um 4.2Msz
 DAU 34.42 328 eP 55 21.22 0.1
 e 56 41.89 436kmX
 LBNH 34.47 21 P 55 30.00 8.9X
 Z 22s 0.90um 4.5Msz
 LPAZ 34.80 145 Pc 55 26.20 1.3
 (S) 00 45.80
 LR 05 02.00
 LPB 35.02 145 (P) 55 28.00 1.5
 eLR 08 20.00
 DUG 35.09 326 (P) 55 27.43 0.8
 Z 19s 1.11um 4.6Msz
 e 56 50.19 436kmX
 CNCB 35.31 145 eP 55 25.00 -4.1X
 BW06 35.39 332 eP 55 28.11 -1.1
 1.6s 36.48nm 5.1mb
 ISA 35.78 315 P 55 40.00 7.5X
 Z 18s 0.69um 4.5Msz
 HVU 36.20 328 eP 55 35.75 -0.3
 TNP 36.32 320 eP 55 37.70 0.6
 0.9s 3.05nm 4.2mb
 BONR 36.94 319 eP 55 43.10 0.7
 HHAI 37.11 330 eP 55 43.57 -0.1
 LMQ 37.90 20 eP 55 49.00 -1.1
 1.0s 10.00nm 4.6mb
 ULM 38.11 352 ePc 55 52.50 0.7
 CMB 38.35 317 (P) 55 54.11 0.1
 0.5s 2.12nm 4.2mb
 SAO 38.41 315 P 56 00.00 5.5X
 Z 19s 0.81um 4.6Msz
 MCMT 38.49 331 ePc 55 56.10 0.8
 LMN 38.59 26 eP 55 55.00 -0.9
 WDC 41.13 319 P 56 30.00 13.1X

18d 15h

Z 21s	0.42um	4.3Msz	15.346 N ± 8.2km	60.141 W ± 50.3km	KIC	66.95	22 P	54	31.55	0.4
LBFM	41.14 320 eP	56 17.00 -0.3	DEPTH = 23.8 ± 7.1 km		TIC	0.8s	13.00nm			5.1mb
YBH	41.87 320 ePc	56 26.52 3.4X	LEEWARD ISLANDS (92)		TIC	67.18	22 P	54	32.75	0.1
Z 18s	0.30um	4.2Msz	ML 3.2 (FDF).		BCAO	0.8s	16.50nm			5.2mb
	eS	03 07.52			BCAO	71.90	46 iPc	55	02.10	0.5
	eLQ	08 19.52	CRM	0.95 232 eP	51 19.91 -0.2		15.00nm			5.3mb
	eLR	13 23.52	MVM	1.07 223 eP	51 21.97 0.0		ic	55	09.50	
JAQ	42.28 11 eP	56 24.00 -2.2	PDP	1.15 238 eP	51 22.92 -0.1	TOO	83.66	172 eP	56	06.50 0.3
NEW	43.01 332 eP	56 31.47 -0.8		S	51 36.70		0.7s	19.00nm		5.3mb
	1.1s	15.87nm	BIM	1.22 228 iPc	51 24.26 0.2	STK	88.98	169 iPc	56	32.60 0.3
Z 20s	2.75um	5.1Msz		S	51 38.80		0.9s	7.10nm		5.0mb
	e	58 20.21 634kmX	MGG	1.27 297 eP	51 24.57 -0.1	ARMA	91.08	177 eP	56	42.70 0.4
DPW	43.24 330 eP	56 33.77 -0.4	DEG	1.31 317 eP	51 25.17 -0.1	ASPA	96.00	161 eP	57	04.40 -0.5
LON	44.33 327 eP	56 42.32 -0.7		S	51 43.69		0.9s	10.40nm		5.3mb
	e	58 25.51 576kmX	DOG	1.58 296 eP	51 29.30 0.1	GEC2	111.88	26 PKP	02	11.20 -0.9
RMW	44.78 328 (P)	56 48.03 1.4	PAG	1.63 295 ePc	51 30.01 0.1		0.6s	0.37nm		
GMW	45.35 327 eP	56 52.54 1.4		S	51 50.54		e	02	18.00	
RES	62.22 358 eP	58 52.00 -2.6	S.D. = 0.2 on 8 of 8 obs.			SRU	120.31	296 ePKP	02	27.83 -0.8
	0.6s	5.00nm				MSU	120.61	294 ePKPc	02	29.71 0.4
INK	62.91 343 eP	58 57.50 -1.7	* SEP 18, 1993 20h 03m 46.49± 1.05s			DUG	122.25	295 iPKPd	02	32.06 -0.2
	1.0s	4.00nm	13.073 N ± 10.2km 145.257 E ± 19.4km			HFS	122.40	22 ePKP	02	29.70 -2.0
KLU	63.96 333 eP	59 04.70 -1.7	DEPTH = 83.3 ± 7.3 km				0.4s	1.40nm		
PMR	65.43 333 P	59 20.00 4.3X	4.6mb (8 obs.)			TNP	122.70	290 ePKP	02	33.74 0.5
Z 19s	0.49um	4.7Msz	MARIANA ISLANDS (216)			NB2	122.78	20 PKP	02	29.80 -2.6
FBA	66.07 336 ePd	59 17.29 -2.6					0.9s	4.60nm		
	2.0s	31.58nm	GUA	0.57 324 Pg	04 01.50 0.1	UPP	122.94	24 iPKP	02	31.90 -0.8
SDN	69.76 325 (P)	59 41.71 -1.3	GUMO	0.64 323 Pn	04 01.80 -0.2	ULM	123.03	314 ePKP	02	35.00 1.8
	0.3s	13.34nm		Pg	04 02.20	HVU	123.47	296 ePKP	02	34.63 0.0
Z 20s	1.59um	5.3Msz		iS	04 14.20	DMN	123.54	91 PKP	02	35.20 -0.1
NB2	83.55 29 P	00 56.00 -4.2X	PJG	0.64 323 Pg	04 02.20 0.2	KKN	123.77	91 PKP	02	34.60 -1.1
	0.8s	1.00nm	MAT	24.21 346 (P)	08 56.00 -0.6		0.6s	14.00nm		
LZH	130.31 347 ePKP	07 42.00 -1.5	WB2	34.52 198 eP	10 27.50 -1.4	GUN	124.18	92 PKP	02	36.60 -0.1
	1.5s	27.00nm		0.7s	4.40nm	CMB	124.22	288 ePKP	02	36.31 0.3
WB2	138.71 254 ePKP	07 54.60 -5.1X	ASPA	38.17 197 eP	11 00.30 0.7	HHAI	124.47	298 ePKP	02	37.23 0.8
	0.7s	1.90nm		0.8s	5.30nm	NUR	125.11	27 iPKP	02	36.30 -0.6
PPR	145.33 309 ePKPc	08 10.00 -1.3	HYB	64.23 283 eP	14 16.00 0.7		0.8s	11.20nm		
HYB	147.40 24 ePKP	08 14.00 -0.7	IMA	66.58 23 eP	14 29.39 -0.4	MCMT	125.86	299 ePKP	02	39.80 0.5
BDT	149.56 347 ePKP	08 19.00 1.0		0.6s	2.22nm	ORV	125.95	288 (PKP)	02	40.49 1.2
KHT	152.03 346 iPKPd	08 26.50 4.7X	FBA	68.53 25 (P)	14 40.97 -0.8	KAF	126.91	27 iPKP	02	39.50 -0.9
S.D. = 1.2 on 51 of 66 obs.				0.8s	4.69nm		0.6s	8.90nm		
% SEP 18, 1993 16h 01m 25.84± 3.07s			INK	74.70 22 eP	15 19.00 0.5	GTA	140.37	94 ePKP	03	04.00 -2.6
33.241 S ± 9.1km 70.745 W ± 10.8km				0.9s	8.00nm	RES	140.85	337 ePKP	02	51.50 -14.7X
DEPTH = 75.4 ± 30.8 km			NEW	85.36 42 eP	16 16.89 1.1		0.9s	6.00nm		
CHILE-ARGENTINA BORDER REGION (127)				0.9s	7.46nm		pP	03	08.00	
MD 3.7 (SAN).			KAF	91.34 336 iP	16 44.10 0.2	XAN	140.87	109 PKP	03	03.00 -4.6X
				0.4s	1.30nm	NJ2	143.90	122 ePKP	03	11.00 -1.8
PEL	0.11 27 iP+	01 37.11 0.0	NUR	92.88 335 iP	17 02.50 11.5X	TIY	145.51	109 PKPd	03	16.00 0.5
	iS	01 45.85		0.7s	4.00nm		Z 20s	0.75um		5.5Msz
ROCH	0.35 320 iP+	01 38.38 0.0	HFS	97.41 338 eP	17 10.70 -1.1	BTO	146.50	103 ePKP	03	19.00 1.9
	iS	01 48.12		0.9s	3.10nm	TIA	146.57	116 ePKP	03	19.00 1.8
FCH	0.39 103 iP+	01 38.97 0.2	KIC	144.49 301 PKPc	23 16.01 0.2	HHC	147.47	104 ePKP	03	21.00 2.3
	iS	01 48.87		0.6s	12.50nm	INK	148.65	317 ePKPc	03	23.00 3.5X
PCH	0.43 153 iP+	01 38.58 -0.2	TIC	144.57 302 PKP	23 16.07 0.1		1.0s	49.00nm		
	iS	01 48.74		0.7s	16.50nm	BJI	149.15	110 ePKP	03	25.00 3.8X
TACH	0.44 201 iP+	01 38.87 0.0	LIC	144.80 301 PKPc	23 16.93 0.6		1.0s	67.00nm		
	iS	01 48.93		0.6s	17.50nm	BJI	149.15	110 ePKP	03	25.00 3.8X
JACH	0.57 13 iP	01 40.03 -0.1	S.D. = 0.8 on 16 of 17 obs.			BALM	149.56	301 ePKP	03	22.20 0.9
	iS	01 50.81	* SEP 18, 1993 20h 43m 39.96± 0.32s			KLU	151.33	301 ePKP	03	25.34 1.4
LCCH	0.73 251 iP+	01 41.97 0.3	58.797 S ± 10.3km 25.012 W ± 11.5km					iPKPbc03	30.23	
	iS	01 54.94	DEPTH = 33.0km (normal)			PMR	152.81	300 ePKP	03	26.75 0.9
CACH	0.88 172 iP+	01 43.81 0.2	5.1mb (10 obs.) 5.4Msz (2 obs.)					ePKPbc03	33.06	
	iS	01 58.17	SOUTH SANDWICH ISLANDS REGION (153)			SLKM	152.93	297 (PKP)	03	27.45 1.3
LNV	0.90 218 iP+	01 43.26 -0.4						ePKPbc03	33.23	
S.D. = 0.3 on 9 of 9 obs.			SNA	14.97 150 iPc	47 08.30 -2.2	KDC	152.94	291 ePKP	03	26.28 0.1
% SEP 18, 1993 16h 07m 10.54± 0.75s			SPA	31.38 180 iPc	50 00.00 0.4			ePKPbc03	33.34	
31.495 S ± 9.2km 68.049 W ± 8.6km				1.0s	70.00nm	FBA	153.18	307 ePKP	03	26.08 -0.2
DEPTH = 33.0km (normal)				i	59 07.60	IMA	155.81	309 ePKP	03	30.55 0.5
SAN JUAN PROVINCE, ARGENTINA (137)			MAW	37.25 141 P	50 50.50 0.9			ePKPbc03	39.69	
				1.0s	16.67nm		S.D. = 1.4 on 50 of 59 obs.			
CFA	0.20 235 iPd	07 16.10 -1.1	VAO	39.04 327 (P)	51 06.00 0.8	? SEP 18, 1993 21h 09m 41.59± 0.80s				
	S	07 20.00	SUR	40.36 70 e(P)	51 12.00 -4.1X	18.827 S ± 16.7km 169.508 E ± 17.5km				
RTLL	0.40 295 iPc	07 20.00 0.3	BLF	45.68 72 e(P)	52 02.00 2.7	DEPTH = 200.0km (geophysicist)				
	S	07 28.50	SEK	47.04 73 eP	52 11.70 1.7	5.0mb (12 obs.)				
RTCB	0.64 271 ePd	07 23.50 0.3	KSR	48.71 71 eP	52 21.00 -2.2	VANUATU ISLANDS (186)				
	(S)	07 31.50		0.5s	2.70nm					
RTPR	1.78 48 eP	07 39.50 -0.1	KSR	48.71 71 eP	52 21.00 -2.2	ARMA	19.90	231 eP	14	01.70 2.0
RTRS	1.79 317 iPc	07 44.80 5.2X	SLR	49.51 72 eP	52 17.00 -12.2X		0.6s	12.00nm		4.6mb
	S	08 10.50		Z 20s	3.55um	CTA	21.96	263 eP	14	20.90 1.0
RFA	3.29 186 ePd	08 01.50 0.5	SLR	49.51 72 eP	52 17.00 -12.2X		0.8s	82.46nm		5.3mb
	S	08 50.50	CNCB	52.39 304 Pc	52 50.00 -1.7		eS	18	06.00	
CYA	3.62 33 e(P)	08 05.50 -0.1	LPB	52.69 305 (P)	52 50.00 -3.7X	CNB	24.24	223 iPd	14	42.60 0.9
	S	09 01.30	LPBZ	52.92 305 Pc	52 53.10 -2.6		0.5s	31.00nm		5.2mb
S.D. = 0.7 on 6 of 7 obs.				S	00 52.90	TOO	28.09	223 iPc	15	16.60 -0.1
? SEP 18, 1993 17h 51m 02.37± 5.20s				LR	11 16.00		0.2s	20.00nm		5.5mb
			LIC	66.77 22 P	54 30.31 0.3	STK	28.28	237 iPd	15	17.80 -0.7
				0.8s	11.50nm		0.6s	11.90nm		4.8mb

18d 21h

ASPA 33.48 255 iPd 16 02.60 -1.4
 0.4s 229.40nm 6.2mb X
 z 23s 0.50um 4.2MszX
 eS 21 02.20
 KNA 38.96 268 eP 16 49.00 -1.0
 MBL 46.59 258 iPd 17 50.70 -0.8
 0.4s 35.00nm 5.1mb
 MEEK 47.33 251 iPd 17 56.70 -0.6
 0.3s 27.00nm 5.2mb
 NANU 50.41 256 eP 18 20.20 -0.6
 0.7s 33.00nm 5.0mb
 SPA 71.29 180 iPd 20 40.20 -0.7
 1.0s 30.00nm 5.0mb
 KMI 78.27 302 eP 21 22.50 1.1
 1.0s 50.00nm 5.2mb
 MAW 78.91 202 iP 21 24.10 0.4
 0.6s 11.63nm 4.8mb
 LZH 82.64 312 eP 21 45.00 0.9
 1.0s 15.00nm 4.7mb
 KKN 93.69 298 P 22 37.20 0.1
 DMN 93.78 298 P 22 37.80 0.3
 NB2 135.11 345 PKP 28 35.80 -2.4
 0.6s 1.10nm
 KHC 144.09 333 PKP 28 53.50 -1.3
 GEC2 144.25 332 PKP 28 53.60 -1.6
 0.6s 3.48nm
 GRF 144.63 335 ePKP 28 55.40 -0.3
 WLF 146.46 340 iPKPc 29 01.30 2.7
 DOU 146.55 342 PKP 29 01.00 2.2
 S.D. = 1.4 on 22 of 22 obs.

% SEP 18, 1993 21h 36m 52.34± 2.03s
 15.224 N ± 5.4km 60.651 W ± 27.2km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)
 ML 2.5 (FDF).

CRM 0.53 209 iPc 37 03.31 -0.1
 S 37 10.40
 FDF 0.69 225 eP 37 05.45 -0.2
 S 37 14.30
 MVM 0.71 200 eP 37 06.07 0.2
 S 37 15.10
 BIM 0.81 210 iPc 37 07.42 0.1
 S 37 17.90
 MGG 0.94 317 eP 37 09.30 0.1
 DEG 1.15 340 eP 37 12.10 -0.1
 PAG 1.27 309 eP 37 14.10 0.1
 S 37 28.91
 S.D. = 0.2 on 7 of 7 obs.

SEP 18, 1993 22h 29m 37.15± 0.92s
 17.731 N ± 14.3km 62.594 W ± 8.7km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)
 ML 4.1 (FDF). MD 3.9 (TRN).

ANG 0.93 128 iP 29 53.72 -0.1
 BPA 0.98 134 eP 29 54.17 -0.4
 eS 30 07.12
 BPA 0.98 134 eP 29 54.30 -0.3
 S 30 07.22
 PAG 1.90 153 eP 30 09.12 1.2
 S 30 34.17
 DEG 2.03 134 eP 30 09.72 -0.1
 S 30 35.66
 MGG 2.18 146 P 30 12.76 1.0
 LPR 3.17 281 iP 30 26.20 0.3
 S 31 02.20
 CPD 3.18 276 iP 30 26.00 0.0
 SJG 3.41 277 iP 30 29.80 0.5
 CLLP 3.81 276 iP 30 35.00 0.1
 PORP 3.86 275 iP 30 35.90 0.2
 APR 4.00 281 iP 30 37.50 -0.2
 SLB 4.16 159 eP 30 39.52 -0.5
 eS 31 36.40
 MGP 4.29 274 iP 30 41.00 -0.8
 SVV 4.58 163 eP 30 45.45 -0.6
 SVB 4.62 164 eP 30 46.29 -0.2
 FCV 4.73 164 eP 30 41.00 -7.0X
 S.D. = 0.6 on 16 of 17 obs.

? SEP 18, 1993 22h 32m 00.73± 0.99s
 67.939 N ± 15.5km 20.679 E ± 13.4km
 DEPTH = 10.0km (geophysicist)
 SWEDEN (536)
 MD 2.2 (BER).

KTk1 1.43 40 eP 32 26.24 -0.5
 eSg 32 48.40
 ARA0 2.38 45 ePn 32 40.89 0.5
 ePg 32 45.44
 eSg 33 14.87
 LOF 2.69 277 eP 32 44.83 0.1
 eS 33 16.35
 NRA0 8.24 213 ePn 34 02.95 0.0
 eLg 36 17.63
 S.D. = 0.7 on 4 of 4 obs.

? SEP 18, 1993 22h 50m 17.69± 0.71s
 19.976 S ± 5.2km 70.224 W ± 8.0km
 DEPTH = 55.2 ± 11.3 km
 NEAR COAST OF NORTHERN CHILE (122)

ARE 3.70 341 iPc 51 14.00 0.0
 iS 52 07.00
 ANT 3.72 183 eP 51 14.00 0.1
 CNCB 3.80 34 iPc 51 16.80 1.2
 LPB 3.98 31 eP 51 17.00 -1.0
 S 52 10.00
 LPAZ 4.17 29 Pc 51 21.10 0.1
 i 51 23.40
 CCH 4.65 57 Pc 51 27.00 -0.5
 YJA 4.92 117 ePc 51 31.80 0.4
 HJA 5.52 127 iPc 51 39.70 0.4
 SLA 6.44 138 eP 51 51.60 -0.8
 NNA 10.17 320 eP 52 43.80 -0.1
 0.7s 6.85nm 4.9mb X
 e 54 50.50

VAO 21.84 102 (P) 55 02.00 -5.3X
 MSU 70.23 326 eP 01 27.16 -0.1
 WRA 133.60 213 PKP 09 30.60 0.1
 0.5s 0.30nm
 S.D. = 0.7 on 12 of 13 obs.

? SEP 18, 1993 23h 29m 38.07± 3.27s
 15.044 N ± 9.1km 60.519 W ± 37.7km
 DEPTH = 33.0km (normal)
 LEEWARD ISLANDS (92)
 ML 2.6 (FDF).

CRM 0.48 233 eP 29 48.86 0.5
 S 29 57.70
 MVM 0.61 217 eP 29 50.22 0.0
 FDF 0.68 243 iPc 29 50.93 -0.4
 S 30 00.80
 BIM 0.75 226 eP 29 51.85 -0.3
 S 29 59.60
 MGG 1.16 319 eP 29 58.00 0.0
 DEG 1.37 338 eP 30 01.00 0.0
 S.D. = 0.4 on 6 of 6 obs.

% SEP 18, 1993 23h 46m 46.26± 0.81s
 44.545 N ± 6.1km 7.258 E ± 8.3km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)

PZZ 0.12 250 P 46 49.39 0.0
 S 46 51.49
 BHB 0.30 1 P 46 52.45 0.0
 S 46 57.49
 STV 0.30 171 P 46 52.77 0.1
 S 46 56.93
 ENR 0.34 160 P 46 53.14 -0.2
 S 46 57.57
 ROB 0.51 120 P 46 56.57 0.1
 S 47 03.25
 S.D. = 0.2 on 5 of 5 obs.

? SEP 19, 1993 01h 57m 11.51± 1.16s
 40.743 N ± 11.6km 29.270 E ± 7.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

HRT 0.31 75 iPg 57 18.00 0.0
 iSg 57 23.00
 ISK 0.36 334 iPg 57 19.10 0.2
 iSg 57 24.10
 CTT 0.75 303 iPg 57 26.00 -0.3
 EDC 1.14 250 ePn 57 33.00 0.1
 S.D. = 0.3 on 4 of 4 obs.

& SEP 19, 1993 02h 56m 10.70s
 60.238 N 153.068 W

DEPTH = 134.3km
 SOUTHERN ALASKA (2)
 <AEIC>.
 ILIM 0.17 161 iPd 56 28.48 0.8
 eS 56 42.67
 INW 0.17 191 ePd 56 28.53 0.7
 eS 56 43.36
 INE 0.18 179 iPd 56 28.57 0.7
 eS 56 43.77
 RED 0.23 39 eP 56 28.89 1.0
 RDW 0.28 28 ePc 56 28.86 0.7
 eS 56 42.98
 REF 0.31 36 ePc 56 28.94 0.7
 eS 56 43.77
 NCT 0.33 12 iPc 56 29.01 0.8
 eS 56 43.22
 DFR 0.40 28 iPc 56 29.07 -1.1
 RDT 0.47 44 eP 56 29.54 -0.9
 OPT 0.59 188 iPd 56 30.31 -0.8
 eS 56 46.35
 PDB 0.72 232 eP 56 30.70 -1.2
 eS 56 46.48
 AUL 0.88 192 eP 56 32.33 -0.9
 AUW 0.89 193 ePd 56 32.50 -0.8
 AUE 0.90 190 eP 56 32.29 -1.0
 AUP 0.90 192 eP 56 32.17 -1.3
 eS 56 50.04
 AUH 0.90 192 eP 56 32.63 -0.8
 AGU 0.90 192 eP 56 32.61 -0.9
 HOM 0.92 128 eP 56 33.11 -0.4
 eS 56 51.08
 AUI 0.92 191 eP 56 32.63 -0.9
 BKG 0.92 25 iPc 56 32.82 -0.9
 eS 56 50.37
 CKL 1.03 20 eP 56 33.91 -0.8
 NKA 1.04 60 ePc 56 35.19 0.6
 XLV 1.04 139 eP 56 33.66 -1.0
 eS 56 52.60
 CKT 1.06 23 iPc 56 33.98 -0.9
 eS 56 52.82
 SPU 1.07 27 iPc 56 33.96 -1.0
 eS 56 52.55
 CKN 1.08 23 eP 56 34.40 -0.7
 BGL 1.08 18 iPc 56 34.58 -0.6
 CP2 1.11 21 iPc 56 34.61 -0.9
 CRP 1.13 23 iPc 56 34.27 -1.4
 eS 56 54.31
 CNPM 1.17 127 iPd 56 35.27 -0.7
 CGLM 1.19 25 iPc 56 35.22 -1.0
 BRLK 1.20 112 eP 56 36.04 -0.2
 eS 56 54.05
 NCG 1.25 20 iPc 56 36.09 -0.8
 CDD 1.34 193 ePd 56 36.32 -1.5
 eS 56 56.74
 SLKM 1.44 78 ePc 56 37.27 -1.5
 eS 56 58.45
 SVW 1.53 306 eP 56 37.47 -2.4
 SYI 1.67 168 eP 56 39.81 -1.5
 eS 57 03.11
 SUA 1.68 42 iPc 56 40.48 -1.1
 eS 57 04.54
 SEW 1.81 93 eP 56 41.54 -1.5
 MPA 1.86 81 eP 56 41.75 -1.8
 SKT 1.90 22 ePc 56 42.82 -1.3
 eS 57 07.79
 PMS 2.00 58 P 56 43.70 -1.6
 S 57 09.80
 PWA 2.11 46 P 56 44.90 -1.7
 S 57 04.20
 PLRM 2.35 53 eP 56 46.89 -2.8
 PMR 2.35 53 eP 56 46.77 -2.9
 eS 57 16.64
 PWL 2.42 73 eP 56 48.38 -2.2
 KDC 2.52 173 eP 56 48.44 -3.3
 GHO 2.54 51 ePc 56 49.56 -2.6
 eS 57 21.13
 CUT 2.56 31 eP 56 50.82 -1.5
 eS 57 22.86
 CFI 2.77 68 eP 56 52.47 -2.6
 SML 2.79 54 ePc 56 52.64 -2.8
 eS 57 25.86
 HUR 3.20 29 P 56 58.70 -2.0
 SCM 3.22 58 ePc 56 58.33 -2.7
 eS 57 36.12
 HIN 3.27 84 eP 56 59.88 -1.8
 eS 57 37.54

19d 02h

VLZ 3.43 72 eP 57 02.34 -1.4
 TRF 3.48 21 eP 57 02.94 -1.7
 CVA 3.65 82 eP 57 04.71 -1.8
 KLU 3.72 67 eP 57 04.61 -3.0
 RND 3.76 30 eP 57 06.12 -2.0
 TOA 3.83 58 P 57 07.10 -2.0
 DHY 3.93 41 ePc 57 08.22 -2.4
 MCK 4.01 27 eP 57 09.98 -1.5
 TZL 4.12 61 eP 57 10.81 -2.2
 RAGM 4.18 84 eP 57 11.64 -2.1
 SDG 4.29 54 eP 57 13.10 -2.1
 HMT 4.39 85 eP 57 14.83 -1.7
 PAX 4.55 50 eP 57 16.35 -2.4
 GLB 4.69 71 eP 57 19.02 -1.6
 NEA 4.73 21 eP 57 18.87 -2.3
 MLY 4.93 12 eP 57 22.45 -1.4
 CRQM 4.94 80 eP 57 22.34 -1.8
 CCB 5.05 27 eP 57 22.58 -2.9
 HDA 5.06 32 ePc 57 22.94 -2.6
 WAX 5.08 83 eP 57 23.84 -2.1
 TGL 5.09 80 eP 57 24.22 -1.9
 FBA 5.28 25 eP 57 25.52 -2.9
 BALM 5.34 77 ePc 57 27.64 -1.8
 GLM 5.44 26 eP 57 27.71 -3.0
 YAH 5.63 84 ePc 57 32.11 -1.4
 CTGM 5.83 78 ePc 57 34.57 -1.6

80 obs. associated

% SEP 19, 1993 03h 13m 36.46± 0.74s
 26.836 S ± 6.6km 26.693 E ± 7.5km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.6 (PRE).

BFS 0.10 127 iPc 13 39.40 0.6
 KSR 0.98 11 eP 13 55.90 0.2
 SWZ 1.27 254 eP 14 01.00 0.4
 SEK 1.70 151 iPc 14 07.20 0.2
 SLR 1.80 53 iPc 14 08.00 -0.5
 BLF 2.31 191 eP 14 15.00 -0.9
 S.D. = 0.7 on 6 of 6 obs.

& SEP 19, 1993 03h 53m 38.66s
 61.340 N 153.885 W
 DEPTH = 15.6km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.6 (AEIC), 3.0
 (PMR).

BGL 0.73 95 iPd 53 51.55 -1.0
 CKL 0.76 100 ePc 53 52.31 -0.8
 CP2 0.80 95 iPd 53 52.69 -1.1
 CKT 0.82 99 eP 53 53.30 -0.9
 BKG 0.83 108 eP 53 53.46 -0.9
 CKN 0.83 97 eP 53 53.85 -0.4
 NCG 0.83 85 iPd 53 53.48 -0.9
 CRP 0.84 94 iPc 53 53.08 -1.4
 SVW 0.87 255 iPd 53 53.63 -1.4
 SPU 0.90 99 eP 53 54.62 -0.8
 CGLM 0.91 91 iPd 53 54.88 -0.7
 NCT 0.91 149 ePc 53 54.47 -1.2
 DFR 0.95 142 ePc 53 55.28 -1.1
 RDW 1.01 148 ePc 53 56.37 -1.0
 REF 1.03 145 ePc 53 56.79 -1.0
 RDT 1.05 136 eP 53 56.93 -1.2
 SKT 1.29 59 ePd 54 01.94 -0.1
 INW 1.33 164 eP 54 02.03 -0.6

ILIM 1.34 160 iPc 54 02.17 -0.6
 INE 1.35 162 ePc 54 02.25 -0.7
 NKA 1.42 114 eP 54 05.67 1.9
 SUA 1.52 84 ePd 54 06.04 0.8
 PDB 1.56 186 eP 54 05.99 0.1
 OPT 1.72 169 eP 54 08.29 0.1
 TTA 1.88 329 P 54 13.30 2.7
 PWA 1.95 79 P 54 13.50 2.1
 SLKM 1.97 113 eP 54 11.63 -0.2
 AUW 1.99 174 eP 54 09.86 -2.1
 AUH 2.00 173 eP 54 11.79 -0.4
 AUP 2.00 173 P 54 14.60 2.4
 AGU 2.00 173 P 54 15.10 2.8
 AUE 2.00 172 P 54 14.60 2.4
 CUT 2.02 56 eP 54 15.05 2.6
 PMS 2.09 91 P 54 15.60 2.1
 CNPM 2.24 143 eP 54 16.40 0.6
 PLRM 2.30 82 eP 54 17.18 0.8
 PMR 2.30 82 eP 54 17.39 1.0
 GHO 2.41 77 P 54 20.70 2.5
 SML 2.70 78 P 54 26.50 4.3
 TOA 3.75 75 P 54 40.50 3.3
 KLU 3.83 84 (P) 54 38.46 0.1
 FBA 4.52 35 (P) 54 51.21 3.3

42 obs. associated

& SEP 19, 1993 04h 12m 46.05s
 61.973 N 149.921 W
 DEPTH = 43.9km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 3.5 (AEIC), 3.6
 (PMR).

PWA 0.32 176 P 12 55.00 0.1
 CUT 0.46 339 iPd 12 55.79 -0.7
 GHO 0.51 113 iPc 12 56.80 -0.5
 PLRM 0.54 135 iPc 12 56.65 -0.8
 PMR 0.54 135 iPc 12 56.37 -1.1
 SUA 0.64 218 iPd 12 58.93 -0.1
 PMS 0.75 167 P 13 00.20 -0.2
 SKT 0.76 271 iPd 12 59.69 -0.8
 SML 0.77 102 iPc 12 59.65 -1.0
 HUR 1.02 7 eP 13 03.32 -0.8
 CGLM 1.20 237 eP 13 06.22 -0.5
 NCG 1.21 243 eP 13 06.06 -0.8
 SCM 1.24 95 iPc 13 06.65 -0.6
 CRP 1.28 237 eP 13 06.86 -1.1
 SPU 1.29 233 eP 13 07.64 -0.4
 CFI 1.30 127 eP 13 07.76 -0.3
 CKN 1.32 236 eP 13 09.12 0.8
 CP2 1.32 238 eP 13 08.07 -0.5
 CKT 1.34 236 eP 13 08.62 -0.1
 PWL 1.35 145 eP 13 08.49 -0.4
 BGL 1.38 240 eP 13 08.86 -0.4
 NKA 1.39 208 eP 13 11.46 2.2
 CKL 1.39 237 eP 13 09.87 0.4
 BKG 1.44 232 eP 13 09.74 -0.4
 SLKM 1.48 186 eP 13 10.16 -0.5
 TRF 1.49 354 eP 13 10.10 -0.9
 MPA 1.51 169 eP 13 10.59 -0.5
 RND 1.52 18 eP 13 10.26 -1.0
 DHY 1.62 46 eP 13 11.37 -1.4
 TOA 1.77 84 P 13 15.00 0.2
 MCK 1.82 14 eP 13 15.18 -0.3
 RDT 1.85 222 iPc 13 15.65 -0.2
 SEW 1.89 173 eP 13 17.12 0.7
 VLZ 1.91 115 eP 13 15.81 -0.9
 DFR 1.92 225 eP 13 16.97 0.0
 KLU 1.96 102 iPd 13 16.66 -0.9

REF 2.01 223 eP 13 18.18 -0.1
 NCT 2.03 227 eP 13 18.55 0.0
 RDW 2.05 224 eP 13 18.70 -0.1
 SDG 2.12 73 eP 13 19.49 -0.3
 TZL 2.12 86 eP 13 19.57 -0.2
 HIN 2.29 132 eP 13 20.97 -1.2
 PAX 2.30 62 eP 13 22.45 0.1
 ILIM 2.41 219 eP 13 23.71 -0.2
 THY 2.41 51 eP 13 24.48 0.6
 INE 2.45 220 eP 13 24.43 -0.2
 INW 2.47 221 eP 13 24.46 -0.4
 CVA 2.47 124 eP 13 23.27 -1.5
 CNPM 2.54 195 eP 13 26.57 0.8
 NEA 2.64 8 eP 13 25.53 -1.6
 SGAM 2.72 121 eP 13 26.94 -1.3
 HDA 2.79 28 eP 13 27.95 -1.3
 OPT 2.84 216 eP 13 30.36 0.4
 CCB 2.85 19 eP 13 28.61 -1.5
 SVW 2.86 255 ePc 13 28.77 -1.6
 GLB 2.96 98 ePd 13 30.09 -1.6
 TTA 2.99 291 eP 13 30.98 -1.2
 FBA 3.09 17 eP 13 31.28 -2.2
 MDM 3.09 13 eP 13 32.18 -1.4
 AUE 3.12 214 eP 13 35.01 1.0
 AUP 3.13 215 (P) 13 34.33 0.1
 HMT 3.20 118 eP 13 33.06 -2.0
 GLM 3.23 19 eP 13 33.90 -1.7
 CRQM 3.49 107 eP 13 37.72 -1.6
 CDD 3.57 213 eP 13 40.56 0.2
 TGL 3.63 107 eP 13 39.26 -2.0
 WAX 3.75 111 eP 13 40.71 -2.2
 BALM 3.75 101 eP 13 40.70 -2.3
 CTGM 4.24 100 eP 13 47.71 -2.3
 YAH 4.28 109 eP 13 48.09 -2.5
 IMA 4.43 340 ePd 13 50.07 -2.6

71 obs. associated

? SEP 19, 1993 04h 17m 20.23± 6.97s
 30.700 S ± 33.4km 69.091 W ± 54.9km
 DEPTH = 33.0km (normal)
 CHILE-ARGENTINA BORDER REGION (127)
 RTCB 0.82 162 iPd 17 35.50 0.0
 CFA 1.16 141 ePd 17 40.20 -0.1
 RTFR 2.26 81 eP 17 56.00 0.0
 MRA 3.35 121 ePc 18 11.60 0.1
 S.D. = 0.1 on 4 of 4 obs.

SEP 19, 1993 04h 18m 36.34± 0.24s
 60.079 S ± 8.0km 26.967 W ± 6.4km
 DEPTH = 45.5km (10 depth phases)
 5.4mb (25 obs.) 5.4MsZ (8 obs.)
 SOUTH SANDWICH ISLANDS REGION (153)
 Mw 5.3 (HRV).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 20C
 Centroid Location:
 Origin Time 04:18:38.2 0.7
 Lat 60.41S 0.07 Lon 25.45W 0.13
 Dep 55.7 5.9 Half-duration 1.1
 Moment Tensor: Scale 10**16 Nm
 Mrr= 4.07 0.41 Mtt=-8.17 0.74
 Mff= 4.11 0.62 Mrt=-2.03 0.71
 Mrf= 6.65 0.65 Mtf= 4.39 0.64
 Principal Axes:
 T Val= 10.90 Plg=43 Azm=277
 N -0.10 42 130
 P -10.80 17 24
 Best Double Couple: Mo=1.1*10**17
 NP1: Strike= 71 Dip=46 Slip= 22
 NP2: 325 74 134

SNA 14.43 145 iPd 21 52.50 -6.6X
 0.7s 103.00nm 5.5mb
 SPA 30.09 180 iPc 24 43.70 0.3
 0.9s 304.55nm 6.0mb
 Z 22s 5.29um 5.1MsZ

		i	33	03.60			0.6s	0.29nm		MTMJ	154.53	151	ePKP	38	33.40	9.5X
RFA	36.84	295 ePc	25	41.00	-0.7	PV10	118.72	297 ePKP	37 19.40	-1.1	IMA	155.82	307 ePKP	38	24.57	-0.3
MAW	36.89	140 P	25	41.60	-0.1	SRU	119.99	297 ePKP	37 21.95	-0.9	CN2	156.71	122 ePKP	38	26.00	-0.5
	1.0s	58.33nm			5.4mb	MSU	120.25	295 ePKP	37 23.35	0.0		Z 16s	0.95um			5.7MszX
RSTA	38.59	327 eP	25	57.00	0.6	RSSD	121.30	305 ePKP	37 24.38	-0.8	CIT	156.85	93 ePKP	38	40.00	13.5X
BLE	39.46	69 iPc	26	06.50	3.0	DAU	121.38	297 ePKP	37 26.18	0.6	MDJ	159.09	127 ePKP	38	36.00	6.8X
	1.0s	40.00nm			5.2mb	MNK	121.69	35 ePKP	37 39.00	13.8X	BOD	160.04	79 ePKP	38	28.70	-1.1
VAO	39.62	330 eP	26	06.50	1.4	DUG	121.90	296 ePKP	37 26.16	-0.2		1.0s	11.00nm			
ZON	39.65	297 eP	26	06.00	0.8	TNP	122.22	291 ePKP	37 26.86	-0.2		S.D. = 1.2	on 80 of 108 obs.			
RTLL	39.74	297 iPd	26	06.50	0.6	BONR	122.63	290 (PKP)	37 27.20	-0.8		-----				
RTPR	39.76	301 eP	26	06.00	0.0	CMB	123.68	289 ePKP	37 30.11	0.4	? SEP 19, 1993	04h 34m 28.45± 0.85s				
CER	40.21	69 iPc	26	07.50	-2.3	NB2	124.34	21 PKP	37 24.90	-5.4X		6.513 N ±31.9km	72.591 W ±30.8km			
	1.0s	120.00nm			5.6mb		0.9s	3.50nm				DEPTH = 150.0km	(geophysicist)			
CYA	41.07	303 ePd	26	15.60	-1.3	DMN	124.48	94 PKP	37 32.00	0.1		NORTHERN COLOMBIA	(99)			
RTRS	41.17	297 iPd	26	19.50	1.9	UPP	124.53	25 iPKP	37 32.50	2.0						
SUR	41.74	70 iPd	26	27.00	4.5X	KKN	124.71	94 PKP	37 32.40	0.2	FUQ	1.54	228 iPd	34	58.00	-1.1
	0.6s	62.00nm			5.5mb		0.6s	28.00nm			BOG	2.38	218 eP	35	10.00	1.1
GRM	43.74	77 iPc	26	39.00	0.4	GUN	125.11	94 PKP	37 33.40	0.2	SDV	3.05	39 iPnc	35	17.70	0.5
	0.7s	37.00nm			5.2mb	OBN	125.44	39 ePKP	37 39.00	6.5X			eSn	35	55.60	
POF	43.84	67 iPc	26	41.00	1.6			e	37 45.00		TOV	4.27	40 ePc	35	33.20	0.1
	0.5s	30.00nm			5.3mb	MCMT	125.61	299 ePKP	37 34.50	0.9	CEOS	4.90	59 iP	35	41.70	0.2
HVD	45.44	74 iPc	26	51.20	-1.2	LGPM	127.10	289 (PKP)	37 36.92	0.5	OLLA	6.70	58 iP	36	05.10	-0.7
	1.0s	30.00nm			5.1mb	KSH	129.39	78 ePKP	37 41.50	0.7		S.D. = 1.0	on 6 of 6 obs.			
YJA	46.52	307 ePd	27	01.00	-0.3	FRU	131.31	74 ePKP	37 45.00	0.8		-----				
BAO	46.95	332 eP	27	04.50	0.1		Z 22s	0.50um		5.2Msz		SEP 19, 1993	04h 37m 03.19± 0.27s			
BLF	47.01	73 iPc	27	04.50	-0.4		E 22s	0.60um				43.108 N ± 5.4km	139.154 E ± 4.3km			
	0.7s	44.00nm			5.5mb			e	37 54.00			DEPTH = 18.7km	(15 depth phases)			
ANT	47.19	301 eP	27	05.50	-0.6	ARU	134.24	51 ePKP	37 51.00	1.8		4.9mb (36 obs.)	5.5Msz (27 obs.)			
SEK	48.36	74 iPd	27	15.00	-0.4	SVE	135.32	51 ePKPd	38 03.00	11.7X		EAST				

19d 04h

WAH2 66.68 47 P 47 54.45 -0.2
 CROR 67.00 49 P 47 56.79 -0.1
 NEW 67.02 45 eP 47 56.27 -0.6
 1.0s 15.65nm 5.1mb
 VIPM 67.50 50 P 47 59.96 -0.2
 LNOR 67.92 47 P 48 02.54 -0.1
 LGPM 68.48 54 eP 48 05.92 -0.4
 WDC 68.86 54 P 48 20.00 11.5X
 Z 21s 1.55um 5.2MsZ
 FCC 69.35 27 eP 48 13.50 2.4
 FRB 71.25 13 eP 48 21.50 -1.0
 1.0s 20.00nm 5.2mb
 MCMT 71.50 46 eP 48 24.00 -0.8
 CMB 71.77 55 iPd 48 26.24 0.0
 Z 18s 2.64um 5.5MsZ
 PKKP 07 57.00
 SAO 71.96 56 P 48 40.00 12.7X
 Z 20s 1.27um 5.2MsZ
 HHAI 72.79 46 eP 48 33.08 0.8
 KSP 74.06 326 eP 48 39.30 0.0
 1.0s 27.00nm 5.2mb
 i 48 44.80 18km
 ISA 74.49 56 P 48 50.00 7.8X
 Z 19s 2.51um 5.5MsZ
 BW06 74.63 45 eP 48 42.88 -0.3
 1.0s 21.01nm 5.1mb
 DUG 74.69 49 eP 48 43.70 0.3
 1.2s 12.69nm 4.8mb
 Z 20s 3.23um 5.6MsZ
 BRG 74.97 328 eP 48 44.60 0.0
 1.3s 11.00nm 4.7mb
 i 48 50.40 19km
 CLL 74.99 328 iPc 48 44.10 -0.6
 1.1s 21.00nm 5.1mb
 i 48 50.20 20km
 VRAC 75.12 325 eP 48 45.90 0.5
 1.8s 108.70nm 5.6mb
 e 48 51.90 19km
 ULM 75.37 33 eP 48 48.50 1.6
 pP 48 54.00 18km
 DAU 75.39 48 eP 48 47.32 -0.3
 PRU 75.43 327 iPc 48 47.20 -0.1
 1.1s 14.30nm 4.9mb
 i 48 52.90 18km
 SRO 75.53 323 eP 48 48.30 0.5
 GSC 75.74 55 eP 48 49.33 -0.1
 ZST 75.76 324 eP 48 49.80 0.7
 e 48 55.60 19km
 e 14 25.40
 ARUT 76.00 51 iPd 48 51.00 0.0
 MOX 76.05 329 iPc 48 51.10 0.3
 1.4s 11.00nm 4.7mb
 Z 22s 0.30um 4.6MsZ
 MSU 76.21 50 eP 48 52.80 0.6
 RSSD 76.44 41 eP 48 52.60 -0.8
 1.2s 11.34nm 4.8mb
 Z 19s 0.92um 5.1MsZ
 PKKP 07 34.08
 KHC 76.49 327 iPd 48 53.50 0.2
 i 49 00.00 21km
 GEC2 76.67 326 P 48 54.20 -0.2
 1.1s 2.09nm 4.1mb
 e 49 00.10 19km
 WTS 76.69 332 eP 48 55.00 0.7
 0.9s 17.90nm 5.1mb
 SRU 76.71 49 iPd 48 54.95 0.0
 GRF 76.97 328 ePc 48 56.50 0.5
 1.4s 22.00nm 5.0mb
 Z 20s 0.30um 4.6MsZ
 i(pP)d49 02.60 20km
 PV09 77.91 48 eP 49 01.90 0.2
 e 49 06.92 16km
 ENN 78.03 332 eP 49 08.00 6.3X
 0.8s 6.00nm 4.7mb
 PV10 78.04 48 eP 49 03.07 0.7
 PV08 78.11 48 eP 49 02.97 0.1
 KBA 78.22 326 iPd 49 03.70 0.6
 1.0s 21.80nm 5.2mb
 i 49 09.60 19km
 WTTA 78.77 327 iPd 49 06.60 0.5
 1.1s 17.30nm 5.0mb
 i 49 12.50 19km
 JAQ 78.94 20 eP 49 11.00 4.3X
 GOL 79.04 45 P 49 20.00 12.2X
 Z 20s 1.57um 5.3MsZ
 GLD 79.08 45 eP 49 08.70 0.8
 1.2s 13.88nm 4.9mb

Z 19s 1.58um 5.4MsZ
 CDF 79.51 330 eP 49 15.40 5.4X
 1.1s 12.20nm 4.8mb
 TUC 81.40 54 P 49 30.00 9.7X
 Z 21s 3.36um 5.7MsZ
 LOR 81.71 331 eP 49 26.70 5.1X
 0.8s 7.00nm 4.8mb
 FLN 81.88 334 eP 49 28.40 6.1X
 ALQ 81.96 49 eP 49 23.92 0.6
 1.0s 6.11nm 4.6mb
 Z 19s 1.66um 5.4MsZ
 SSF 82.02 331 eP 49 28.40 5.3X
 0.8s 2.95nm 4.4mb
 LPL 82.14 328 eP 49 29.80 5.7X
 0.9s 8.50nm 4.8mb
 LPG 82.14 328 eP 49 30.00 5.8X
 0.9s 8.50nm 4.8mb
 SMF 82.25 331 eP 49 29.70 5.3X
 1.3s 26.00nm 5.2mb
 AVF 82.30 331 eP 49 30.10 5.5X
 0.9s 10.80nm 4.9mb
 LPF 82.70 334 eP 49 32.20 5.6X
 1.0s 18.20nm 5.2mb
 MAF 83.07 331 eP 49 34.60 6.0X
 0.8s 6.70nm 4.9mb
 MFF 83.66 333 eP 49 37.40 5.8X
 LPO 84.89 331 eP 49 43.90 6.1X
 WMOK 86.21 44 P 49 50.00 5.4X
 Z 21s 2.18um 5.5MsZ
 EPF 86.63 331 eP 49 51.80 5.2X
 0.8s 6.30nm 4.9mb
 TUL 86.78 42 iP 49 47.90 0.5
 SLM 87.13 37 P 50 00.00 11.0X
 Z 19s 1.37um 5.4MsZ
 CBM 87.15 18 P 50 00.00 11.1X
 Z 21s 1.30um 5.3MsZ
 FVM 87.59 37 P 50 00.00 8.8X
 Z 21s 3.95um 5.8MsZ
 RSNY 87.69 23 P 50 00.00 8.4X
 Z 19s 3.54um 5.8MsZ
 YSNY 88.32 27 P 50 00.00 5.3X
 Z 17s 6.49um 6.1MsZ
 ELC 88.70 37 eP 49 56.77 0.2
 e 50 59.65 260kmX
 LBNH 88.71 22 P 50 00.00 3.5X
 Z 20s 5.21um 5.9MsZ
 LBNH 88.71 22 P 50 10.00 13.5X
 Z 20s 5.21um 5.9MsZ
 MIAR 88.95 41 P 50 10.00 12.2X
 Z 20s 1.03um 5.2MsZ
 BINY 89.39 25 P 50 10.00 10.2X
 Z 19s 1.26um 5.4MsZ
 SSPA 90.18 27 P 50 10.00 6.5X
 Z 21s 0.09um 4.2MsZ
 HRV 90.41 22 P 50 10.00 5.5X
 Z 18s 6.33um 6.1MsZ
 LSCT 90.70 24 P 50 10.00 4.1X
 Z 17s 9.29um 6.3MsZ
 LSCT 90.70 24 P 50 20.00 14.1X
 Z 18s 6.83um 6.1MsZ
 MYNC 92.74 34 P 50 20.00 4.6X
 Z 19s 2.03um 5.6MsZ
 MYNC 92.74 34 P 50 30.00 14.6X
 Z 18s 3.99um 5.9MsZ
 CEH 93.99 30 P 50 30.00 8.9X
 Z 21s 1.70um 5.5MsZ
 PRM 94.32 33 eP 50 20.06 -2.6
 BAO 151.94 15 ePKP 57 04.80 12.7X
 S.D. = 0.9 on 68 of 117 obs.

 * SEP 19, 1993 04h 56m 28.56± 1.62s
 13.729 N ±22.3km 93.082 W ±11.9km
 DEPTH = 33.0km (normal)
 4.2mb (11 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)
 SCX 3.02 8 iP 57 16.00 0.8
 iS 57 47.00
 OXX 4.84 314 eP 57 39.00 -2.2
 IIT 7.27 317 (P) 58 16.00 0.5
 PPM 7.51 316 eP 58 18.00 -1.1
 IIA 7.59 316 eP 58 18.50 -1.2
 LTX 18.37 329 (P) 00 38.46 -4.1X
 UYO 20.39 357 iPd 01 03.60 -1.7
 MIAR 20.73 359 eP 01 05.98 -2.9
 0.8s 6.05nm 4.0mb
 WMOK 21.54 347 eP 01 15.54 -1.6

1.4s 5.68nm 3.8mb
 MEO 21.54 348 iPc 01 15.50 -1.7
 TUL 22.22 354 iP 01 24.90 1.0
 PRM 22.48 24 (P) 01 30.47 4.1X
 MYNC 22.74 19 eP 01 31.00 2.0
 0.8s 3.94nm 3.9mb
 JSC 23.10 26 (P) 01 34.19 1.8
 ACO 23.51 348 iPd 01 36.50 0.0
 ALQ 24.33 333 eP 01 45.42 0.7
 0.7s 1.85nm 3.7mb
 TUC 24.58 322 eP 01 49.54 2.6
 1.5s 18.00nm 4.4mb
 GLD 28.04 340 eP 02 17.07 -2.0
 GOL 28.04 340 eP 02 19.30 0.1
 1.2s 12.44nm 4.5mb
 PV08 28.33 334 iP 02 22.97 1.1
 PV10 28.34 333 eP 02 22.07 0.2
 PV09 28.48 333 iP 02 24.06 0.9
 ARUT 30.03 327 iPd 02 38.78 1.8
 MGG 30.77 82 eP 02 42.00 -1.4
 DAU 30.99 332 iPd 02 46.44 0.9
 DEG 31.02 81 eP 02 45.00 -0.7
 RSSD 31.71 345 iP 02 51.84 0.2
 0.7s 3.94nm 4.4mb
 BW06 32.25 337 eP 02 55.95 -0.5
 0.8s 2.11nm 4.1mb
 HVU 32.77 332 iPd 03 02.02 1.1
 COE 34.61 318 eP 03 10.89 -5.9X
 MCMT 35.27 335 ePc 03 24.20 1.7
 YKA 51.05 347 eP 05 29.70 0.2
 0.7s 7.80nm 4.8mb
 NB2 84.88 28 P 09 00.50 -0.7
 1.0s 4.60nm 4.6mb
 GEC2 90.48 39 P 09 33.30 4.8X
 1.0s 0.69nm 3.9mb
 GBA 151.27 19 PKP 16 26.40 11.5X
 0.8s 4.50nm
 S.D. = 1.5 on 30 of 35 obs.

 SEP 19, 1993 05h 01m 15.52± 0.36s
 14.480 N ± 6.7km 93.162 W ± 4.5km
 DEPTH = 33.0km (normal)
 5.1mb (52 obs.) 5.0MsZ (34 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 Mw 5.5 (HRV). Ms 4.9 (BRK).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 34C
 Centroid Location:
 Origin Time 05:01:16.6 0.4
 Lat 14.57N 0.06 Lon 93.51W 0.07
 Dep 24.6 4.9 Half-duration 1.4
 Moment Tensor; Scale 10**17 Nm
 Mrr= 0.49 0.08 Mtt=-1.03 0.09
 Mff= 0.54 0.13 Mrt= 1.13 0.25
 Mrf=-1.00 0.23 Mtf= 0.73 0.08
 Principal Axes:
 T Val= 1.55 Plg=49 Azm= 77
 N 0.56 26 313
 P -2.11 29 207
 Best Double Couple: Mo=1.8*10**17
 NP1:Strike=249 Dip=28 Slip= 23
 NP2: 138 79 116
 SCX 2.30 13 iP 01 56.00 4.1X
 iS 02 26.00
 OXX 4.29 308 iP 02 19.25 -1.2
 iS 03 08.00
 LVVM 6.10 329 (P) 02 41.50 -4.3X
 IIT 6.68 313 eP 02 54.00 -0.2
 ACX 6.87 291 (P) 02 51.00 -5.7X
 PPM 6.94 312 iP 02 57.00 -1.1
 IIA 7.02 312 iP 02 58.75 0.1
 UNM 7.52 311 (P) 03 06.50 0.6
 CRX 7.93 309 (P) 03 04.50 -7.3X
 MRX 9.27 305 eP 03 29.00 -0.9
 CGX 11.13 299 eP 03 55.50 -0.2
 LTX 17.69 328 eP 05 20.69 -0.4
 UYO 19.64 357 iPd 05 43.10 -1.3
 MIAR 19.98 359 eP 05 45.03 -3.0
 0.9s 51.83nm 4.9mb
 OXF 20.23 9 eP 05 50.77 0.1
 PSO 20.48 129 eP 05 58.00 4.2X
 WMOK 20.80 347 eP 05 57.40 0.8
 0.9s 58.07nm 5.0mb
 MEO 20.80 347 iPd 05 55.60 -1.0
 BOG 21.21 116 eP 06 06.00 4.8X

			eS	10	07.00	
TUL	21.47	354	iP	06	03.60	0.3
HBF	21.74	30	eP	06	06.33	0.3
PRM	21.83	25	eP	06	07.53	0.6
SGS	21.89	30	eP	06	11.40	3.9X
MYNC	22.06	20	eP	06	09.99	0.7
	0.8s	24.89nm				4.7mb
Z	20s	3.39um				4.8MsZ
LST	22.17	7	eP	06	11.78	1.5
JSC	22.46	27	eP	06	13.77	0.6
SDV	22.74	102	eP	06	19.10	2.8
ACO	22.76	347	iPc	06	16.90	0.7
LHS	22.83	27	eP	06	17.76	1.0
ELC	22.98	8	eP	06	18.63	0.4
TOV	23.31	99	eP	06	23.90	2.2
FVM	23.54	5	eP	06	23.38	-0.3
	0.8s	27.30nm				4.8mb
ALQ	23.64	332	eP	06	25.40	0.5
Z	19s	0.31um				3.8MsZ
TUC	23.95	321	ePc	06	29.50	1.7
	1.8s	285.02nm				5.5mb
Z	18s	8.86um				5.3MsZ
CEH	24.77	28	eP	06	35.64	0.0
	0.9s	16.16nm				4.6mb
Z	21s	6.09um				5.1MsZ
NAV	25.27	24	eP	06	40.00	-0.4
BLA	25.32	24	(P)	06	43.97	3.0X
	0.9s	14.97nm				4.6mb
CVL	26.79	26	eP	06	54.39	-0.1
GLA	27.01	317	eP	06	56.26	-0.3
GLD	27.31	339	eP	06	59.72	0.3
	1.2s	40.10nm				4.9mb
Z	19s	1.21um				4.5MsZ
GOL	27.32	339	eP	06	59.81	0.3
	1.1s	96.62nm				5.4mb
Z	22s	1.61um				4.5MsZ
PV08	27.63	333	eP	07	02.99	0.5
PV10	27.64	332	eP	07	02.14	-0.3
PV09	27.78	332	eP	07	03.99	0.2
PLM	28.56	315	eP	07	10.57	-0.2
SRU	28.91	331	eP	07	13.75	-0.1
PEC	29.07	316	eP	07	14.68	-0.6
	1.0s	32.20nm				5.0mb
MSU	29.25	328	eP	07	16.81	-0.1
ARUT	29.37	326	eP	07	18.60	0.6
EMUT	29.61	332	eP	07	20.13	-0.1
SSK	29.62	316	eP	07	19.57	-0.7
GSC	29.69	319	eP	07	20.26	-0.5
DAU	30.29	332	eP	07	26.49	0.1
YSNY	30.62	22	P	07	40.00	11.1X
Z	19s	5.95um				5.3MsZ
DUG	30.85	330	eP	07	31.52	0.4
	1.2s	15.93nm				4.7mb
Z	20s	3.23um				5.0MsZ
RSSD	30.97	345	iP	07	32.09	0.0
	0.8s	26.96nm				5.1mb
Z	19s	0.86um				4.4MsZ
BINY	31.36	25	P	07	50.00	14.7X
Z	19s	1.26um				4.6MsZ
BW06	31.53	337	eP	07	36.30	-0.9
	0.9s	24.43nm				5.1mb
HVU	32.07	332	eP	07	41.79	0.0
LSCT	32.14	29	eP	07	42.55	0.3
Z	20s	5.52um				5.2MsZ
BONR	32.29	321	eP	07	44.17	0.3
MENM	32.50	320	eP	07	46.09	0.8
PTI	32.76	333	eP	07	48.14	0.3
HHAI	33.11	334	eP	07	51.10	0.3
HRV	33.57	29	P	08	00.00	5.4X
Z	18s	6.38um				5.4MsZ
SAO	33.59	317	P	08	00.00	5.2X
Z	19s	1.27um				4.6MsZ
SAO	33.59	317	ePc	07	55.99	1.1
Z	20s	1.10um				4.6MsZ
		ePP	09	19.99		
		eS	13	07.99		
		eLQ	17	22.99		
CMB	33.63	319	ePc	07	57.64	2.3
Z	19s	2.00um				4.9MsZ
		ePP	09	17.64		
		eS	13	30.64		
		ePcS	13	46.64		
		eLQ	17	11.64		
		eLR	18	57.64		
RSNY	33.90	24	eP	07	56.68	-0.8
	0.8s	7.27nm				4.7mb
Z	19s	3.54um				5.1MsZ

ARN		33.97	317	eP	07 58.06	-0.2
MHC		34.04	317	ePd	08 06.19	7.3X
	Z	18s		2.20um		4.9Msz
				eS	13 40.19	
				ePcS	14 07.19	
				eLQ	17 39.19	
				eLR	19 54.19	
STAN		34.43	317	ePd	08 07.71	5.6X
	Z	18s		1.70um		4.8Msz
				ePP	09 23.71	
MCMT		34.56	335	iPc	08 04.30	0.9
BKS		34.73	318	ePc	08 06.09	1.4
	Z	18s		2.10um		4.9Msz
				ePPd	09 25.09	
				eS	13 22.09	
				ePcS	13 50.09	
				eLQ	17 52.09	
				eLR	19 05.09	
LEBNH		34.74	27	P	08 10.00	5.3X
	Z	20s		5.21um		5.3Msz
ORV		35.24	321	eP	08 09.74	0.7
ORV		35.24	321	ePd	08 16.67	7.6X
	Z	19s		1.60um		4.8Msz
				ePP	09 15.67	
				iS	13 55.67	
				ePcS	14 31.67	
				eLQ	18 02.67	
				eLR	20 13.67	
ULM		35.74	357	eP	08 13.50	0.4
MIN		35.79	322	ePc	08 14.70	0.9
	Z	20s		2.60um		5.0Msz
				ePP	09 43.70	
				eS	14 04.70	
				ePcS	14 37.70	
				eSS	16 52.70	
				eLQ	18 58.70	
				eLR	20 24.70	
WDC		36.50	321	iPd	08 27.21	7.6X
	Z	19s		1.50um		4.8Msz
				iPP	09 55.21	
				eS	14 17.21	
				iSS	17 25.21	
				eLQ	18 32.21	
				eLR	20 08.21	
LBFM		36.58	323	eP	08 20.20	-0.3
YBH		37.30	322	iPc	08 28.52	2.1
	Z	19s		2.30um		5.0Msz
				ePP	10 05.52	
				eS	14 13.52	
				iSS	17 05.52	
				eLQ	19 16.52	
				eLR	20 16.52	
KMPM		37.38	320	eP	08 27.86	0.7
FHC		37.51	320	eP	08 29.32	1.1
		0.9s		48.25nm		5.4mb
ARC		37.61	320	ePc	08 30.89	1.9
	Z	18s		1.90um		4.9Msz
				ePPd	10 09.89	
				eS	14 13.89	
				eLQ	19 55.89	
				eLR	20 22.89	
CBM		38.52	28	P	08 50.00	13.5X
	Z	21s		1.30um		4.7Msz
VGB		38.73	329	eP	08 38.85	0.5
NEW		39.07	335	eP	08 40.63	-0.6
		1.1s		4.06nm		4.1mb
SSOR		39.15	327	P	08 41.42	-0.6
DPW		39.23	333	ePc	08 42.21	-0.3
LPB		39.52	140	P	08 51.00	5.3X
				LR	20 25.00	
ASR		39.58	329	P	08 46.16	0.7
EBG		39.61	330	P	08 46.16	0.5
SAW		39.64	332	P	08 46.19	0.3
WTV		39.89	332	P	08 48.36	0.4
SHW		39.93	328 (P)		08 50.84	2.4
LON		40.10	329	eP	08 49.33	-0.4
FMW		40.16	330	P	08 50.75	0.4
RMW		40.59	330	eP	08 53.59	-0.2
BMW		40.63	328	eP	08 54.22	0.1
GMW		41.13	329	eP	08 57.41	-0.7
JCW		41.17	331	P	08 57.70	-0.7
JAQ		41.57	16	eP	09 00.50	-1.1
MCW		41.94	331	P	09 04.87	0.1
FCC		44.21	359	eP	09 25.50	2.5
YKA		50.31	347	eP	10 10.20	-0.6
		0.8s		65.10nm		5.7mb
FRB		52.11	14	eP	10 24.00	-0.4

		1.0s	47.00nm			5.4mb
SIT		53.10	333 P	10	40.00	8.1X
	Z	19s	1.20um			5.0Msz
TCA		53.18	149 iPc	10	31.80	-1.1
BAO		53.74	122 Pc	10	37.20	-0.1
BALM		58.32	334 eP	11	09.15	-0.4
INK		59.66	344 ePd	11	18.10	-0.5
		1.0s	19.00nm			5.2mb
KLU		60.05	334 eP	11	20.78	-0.7
RES		60.21	359 eP	11	21.00	-1.2
		1.0s	42.00nm			5.5mb
TOA		60.44	334 eP	11	24.30	0.2
PMR		61.48	333 eP	11	29.45	-1.6
		1.3s	37.24nm			5.4mb
SLKM		61.54	332 eP	11	30.48	-1.1
HON		61.72	287 P	11	40.00	6.7X
	Z	18s	0.47um			4.7Msz
FBA		62.36	337 eP	11	35.01	-2.0
		0.9s	16.18nm			5.2mb
			iPcP	12	15.37	
			e	12	22.54	
CRP		62.70	332 eP	11	38.34	-1.1
CP2		62.74	332 eP	11	38.58	-1.2
DAG		72.43	13 eP	12	40.20	0.1
		1.1s	25.32nm			5.1mb
AVE		78.70	58 iP	13	16.50	0.0
TIO		79.25	61 eP	13	21.00	1.3
LFP		80.79	43 eP	13	25.80	-1.5
		1.0s	20.40nm			5.1mb
GRR		80.84	42 eP	13	26.30	-1.3
FLN		81.01	42 eP	13	27.50	-1.0
		0.9s	17.05nm			5.0mb
	Z	23s	1.20um			5.2MszX
ECOG		81.07	54 eP	13	29.00	-0.2
LDF		81.27	42 eP	13	28.40	-1.5
		0.9s	14.40nm			5.0mb
MFF		81.67	44 eP	13	30.70	-1.3
		1.1s	14.15nm			4.9mb
EHUE		81.72	53 eP	13	31.00	-1.5
LFF		82.64	46 eP	13	36.10	-0.9
		1.0s	16.20nm			5.1mb
EPF		82.79	48 eP	13	37.10	-0.8
		0.8s	7.50nm			4.8mb
LSF		82.88	44 eP	13	36.80	-1.5
		0.9s	9.50nm			4.9mb
LPO		83.01	46 eP	13	37.90	-1.1
RJF		83.09	45 eP	13	38.20	-1.2
	Z	23s	1.05um			5.1MszX
TCF		83.33	44 eP	13	39.10	-1.5
		0.8s	4.55nm			4.6mb
HYF		83.38	43 eP	13	39.00	-1.8
CAF		83.56	45 eP	13	40.40	-1.4
MAF		83.59	44 eP	13	40.60	-1.3
		0.9s	6.20nm			4.7mb
BGF		83.69	44 eP	13	41.10	-1.3
		0.8s	18.00nm			5.3mb
DBN		83.75	38 eP	13	52.00	9.5X
AVF		83.97	43 eP	13	42.20	-1.6
		0.8s	7.50nm			4.9mb
SSF		84.01	43 eP	13	42.50	-1.5
		0.8s	10.05nm			5.0mb
NAO		84.16	29 P	13	40.20	-4.3X
LOR		84.19	43 eP	13	43.70	-1.2
		1.1s	10.75nm			4.9mb
	Z	23s	0.73um			5.0MszX
NB2		84.26	28 P	13	40.60	-4.5X
		0.9s	31.70nm			5.5mb
SMF		84.33	43 eP	13	44.10	-1.6
		1.0s	10.00nm			4.9mb
LBF		84.34	43 eP	13	44.10	-1.6
		1.0s	7.60nm			4.8mb
ENN		84.56	39 eP	13	47.00	0.3
		0.9s	30.60nm			5.5mb
MUD		84.73	33 eP	13	49.50	2.1
		0.8s	4.00nm			4.7mb
WTS		84.75	38 eP	13	49.00	1.5
		0.8s	22.00nm			5.4mb
WLF		85.01	40 iPc	13	51.47	2.6
HAU		85.61	42 eP	13	51.00	-1.0
		0.9s	32.90nm			5.6mb
	Z	20s	0.65um			5.0Msz
BSF		85.94	42 eP	13	52.50	-1.3
		0.9s	18.65nm			5.3mb
CDF		86.08	41 eP	13	53.30	-1.2
		0.9s	15.40nm			5.2mb
TIC		86.57	84 P	13	58.05	0.6
		0.9s	15.50nm			5.3mb

LPL	86.58	44 eP	13	55.80	-1.4
	1.2s	11.60nm			5.0mb
LPG	86.60	44 eP	13	56.10	-1.2
LIC	86.67	84 P	13	58.67	0.8
	0.9s	27.50nm			5.5mb
Z	21s	3.13um			5.7Msz
DIX	86.87	43 ePd	13	59.40	0.8
KIC	86.91	84 P	13	59.83	0.8
	0.8s	22.00nm			5.4mb
ZLA	87.08	42 Pd	14	00.80	1.5
MMK	87.24	43 Pc	14	02.30	1.9
UPP	87.65	28 iP	14	05.50	3.8X
TMA	87.83	43 ePd	14	04.50	1.4
GRF	88.13	39 eP	14	05.80	1.5
Z	22s	0.60um			5.0Msz
		e	14	16.80	
OSS	88.47	42 ePc	14	08.10	1.9
CLL	88.62	37 eP	14	07.00	0.5
PET	89.12	325 eP	14	08.00	-0.9
		e	17	44.00	
BRG	89.33	37 iP	14	11.60	1.7
	1.0s	12.00nm			5.2mb
Z	18s	1.40um			5.4Msz
N	18s	0.80um			
E	18s	1.20um			
TIK	89.57	348 iPd	14	10.00	-0.7
	1.0s	30.00nm			5.5mb
		i	14	17.00	
KHC	89.77	39 P	14	14.00	1.9
GEC2	89.95	39 P	14	14.30	1.3
	0.9s	5.24nm			4.8mb
		e	14	17.50	
		e	14	26.20	
		e	14	31.10	
KAF	90.27	24 iP	14	14.70	0.6
KSP	90.71	37 eP	14	17.80	1.4
PTJ	92.51	41 eP	14	24.70	-0.1
PUL	93.22	25 (P)	14	30.00	2.3
Z	22s	0.80um			5.1Msz
		e	18	18.00	
		e	25	06.00	
		e	27	32.00	
PMG	120.90	268 ePdiff	16	37.00	4.5X
WMQ	121.98	359 ePKP	20	07.20	-1.2
Z	20s	1.39um			5.6Msz
TIY	122.78	336 ePKP	20	09.90	-0.2
Z	18s	0.61um			5.3Msz
GTA	125.04	348 ePKP	20	13.50	-1.0
Z	26s	1.36um			5.5MszX
N	16s	0.50um			
LZH	127.20	343 ePKP	20	18.00	-0.9
XAN	127.37	337 PKP	20	18.50	-0.6
Z	15s	0.82um			5.5MszX
CVP	132.95	312 ePKP	20	50.00	20.0X
GQP	134.86	307 ePKP	20	34.00	0.3
GYA	134.97	335 PKP	20	36.00	2.2
NDI	136.09	12 ePKP	20	36.00	0.3
CHTO	144.83	340 ePKPc	20	49.30	-2.3
	0.9s	15.35nm			
LOE	145.08	335 iPKPd	20	50.00	-2.1
BDT	146.27	339 ePKP	20	53.00	-1.0
	0.8s	93.40nm			
HYB	147.27	15 ePKP	20	57.60	1.9
NST	147.29	336 ePKP	20	57.50	1.8
KHT	148.69	338 ePKP	21	01.20	3.2X
NNT	150.23	334 ePKP	21	06.20	5.9X
GBA	150.59	19 PKP	21	01.70	0.9
	0.9s	2.50nm			
KOD	153.75	21 ePKP	21	15.00	9.1X
S.D. = 1.2 on 167 of 197 obs.					

* SEP 19, 1993 05h 01m 35.34± 2.64s					
12.008 N ± 5.4km 59.228 W ±25.0km					
DEPTH = 10.0km (geophysicist)					
WINDWARD ISLANDS (95)					
MD 3.8 (TRN).					

BOT	1.68	240 eP	02	05.03	0.1
TPR	1.72				

GRW	2.38	274	eP	02	15.17	0.0
			eS	02	45.97	
TRN	2.53	238	eP	02	16.63	-0.4
SLB	2.53	316	eP	02	17.46	0.3
			eS	02	48.48	
SLW	2.60	320	eP	02	18.20	0.0
TPP	2.75	233	eP	02	20.52	0.2
TCE	2.80	243	eP	02	21.49	0.5
			eS	02	53.10	
PAG	4.65	330	eP	02	47.00	-0.4
			S	03	40.00	
OLLA	7.70	256	iPc	03	29.30	-1.0
			iS	04	54.00	
CEOS	9.43	253	eP	03	49.20	-5.2X
S.D. = 0.4 on 14 of 15 obs.						

SEP 19, 1993 05h 05m 03.82± 0.59s						
40.144 N ± 7.9km 24.843 E ± 4.4km						
DEPTH = 10.0km (geophysicist) (365)						
AEGEAN SEA						
ML 2.8 (THE).						
PAIG	0.92	257	ePg	05	20.78	-0.6
			eSg	05	33.74	
EZN	1.18	105	ePn	05	25.40	-0.5
ALN	1.19	50	ePb	05	26.38	0.4
			eSb	05	44.46	
SOH	1.32	301	ePb	05	27.74	-0.5
			eSb	05	47.74	
SRS	1.36	316	ePb	05	28.30	-0.5
			eSb	05	48.86	
THE	1.51	289	ePb	05	31.30	0.3
KNT	1.80	305	ePb	05	35.02	0.0
			eSb	06	00.94	
LIT	1.80	269	ePb	05	35.06	-0.2
GRG	2.03	294	ePn	05	39.30	0.8
			eSn	06	06.50	
AGG	2.24	241	ePn	05	42.30	0.7
FNA	2.72	285	iPn	05	48.34	-0.1
S.D. = 0.6 on 11 of 11 obs.						

SEP 19, 1993 05h 10m 35.43± 0.40s						
21.937 S ± 3.8km 179.306 W ± 3.8km						
DEPTH = 586.3 ± 5.3 km						
5.3mb (44 obs.)						
FIJI ISLANDS REGION (181)						
KRO	4.76	345	iPc	12	06.20	0.1
TVI	5.03	352	iPc	12	09.10	0.7
NDE	5.48	346	ePc	12	12.40	0.3
BKM	12.46	288	iPc	13	21.30	2.5
DZM	13.22	267	iPd	13	27.90	1.5
PUZ	16.22	187	eP	13	56.60	1.2
			eS	16	37.00	
URZ	16.56	190	eP	13	58.50	-0.1
NOZ	16.78	187	eP	14	02.50	1.7
PGZ	19.00	190	eP	14	20.70	-1.0
MNG	19.14	192	P	14	22.20	-0.9
CAW	19.70	193	eP	14	27.60	-0.6
MRW	19.89	193	eP	14	29.80	-0.2
TCW	19.97	194	eP	14	30.60	-0.1
QRZ	20.06	198	P	14	32.80	1.2
THZ	20.83	197	eP	14	38.50	-0.1
LTZ	21.95	197	P	14	47.60	-1.1
BWZ	24.24	199	eP	15	07.60	-1.5
LRCZ	24.88	199	eP	15	13.90	-1.2
MMCZ	24.89	200	eP	15	14.00	-1.1
SBCZ	24.92	199	eP	15	14.40	-0.8
LSCZ	24.92	199	eP	15	14.50	-0.8
CMCZ	24.98	199	eP	15	14.90	-0.9
ARMA	27.36	246	iPd	15	38.30	1.5
	0.9s	107.00	nm			5.5mb
AFR	28.11	86	iPc	15	42.80	-0.5
	0.8s	122.50	nm			5.6mb
PAE	28.27	87	iPc	15	44.50	-0.1
	0.5s	49.00	nm			5.4mb
PPT	28.29	86	iPc	15	44.40	-0.5
	0.7s	85.80	nm			5.5mb
PPN	28.43	86	iPc	15	45.60	-0.5
	0.8s	58.30	nm			5.3mb
TVO	28.54	87	iPc	15	46.50	-0.6
	0.9s	191.30	nm			5.7mb
CNB	30.42	237	iPd			

VAH	30.71	83	iPc	16	05.10	-0.4
	0.9s	162.50nm				5.7mb
TPT	30.80	82	iPc	16	06.00	-0.2
	0.9s	163.80nm				5.7mb
BWA	30.92	239	eP	16	06.10	-1.1
RUV	30.95	83	iPc	16	07.10	-0.5
	0.9s	252.20nm				5.8mb
CTA	32.16	267	iPd	16	18.50	0.8
	0.4s	1105.08nm				6.8mb X
		iPcP	18	48.90		
		iScP	21	39.30		
		iScS	25	40.90		
TOO	34.07	235	iPd	16	35.50	1.9
	0.7s	94.00nm				5.5mb
KVG	34.83	299	eP	16	38.60	-1.4
STK	36.08	246	iPd	16	51.70	1.5
	0.9s	24.50nm				4.8mb
ASPA	43.02	258	iPd	17	46.20	0.0
	0.7s	137.80nm				5.6mb
		iPcP	19	22.70		
		eScP	22	20.80		
		eS	23	27.60		
		iScS	26	42.40		
ASPA	43.02	258	iPc	17	27.90	-18.3X
	1.0s	7.90nm				
WB2	43.20	264	eP	17	46.90	-0.7
	0.7s	142.10nm				5.6mb
		iScP	22	22.00		
		eS	23	30.20		
WRA	43.21	264	P	17	47.20	-0.5
	0.7s	65.50nm				5.3mb
FORT	47.62	248	iPd	18	21.00	-0.2
MTN	47.98	272	iPd	18	23.00	-1.2
	0.4s	138.00nm				5.8mb
KNA	49.34	268	iPd	18	34.10	-0.1
	0.3s	61.00nm				5.6mb
GUA	49.75	312	eP	18	36.50	-0.6
	0.8s	179.10nm				5.7mb
GUMO	49.81	312	eP	18	36.60	-1.0
	0.9s	171.70nm				5.6mb
PJG	49.81	312	eP	18	36.40	-1.2
COOL	53.54	247	eP	19	03.40	-1.1
MBL	56.27	259	iPd	19	22.90	-0.6
	0.6s	150.00nm				5.5mb
MEEK	56.31	252	eP	19	22.60	-1.2
KLB	56.35	246	eP	19	23.70	-0.3
NWAO	56.64	244	eP	19	25.60	-0.4
BAL	57.37	247	eP	19	30.20	-0.7
MUN	57.61	245	eP	19	32.50	-0.1
MRWA	58.18	248	iPd	19	36.00	-0.5
	0.5s	16.00nm				4.5mb
NANU	59.86	256	iPd	19	47.80	0.2
	0.4s	35.00nm				5.0mb
CGP	62.65	293	iPd	20	05.90	0.1
SPA	68.20	180	iPc	20	41.20	1.5
	0.7s	78.13nm				5.3mb
KAKJ	69.36	326	eP	20	46.10	-0.7
CHJJ	69.87	325	P	20	48.90	-0.9
IIDJ	70.03	324	P	20	49.50	-1.3
WKYJ	70.42	321	P	20	52.90	-0.2
MMPM	70.66	325	iPd	20	53.20	-1.2
	0.9s	31.93nm				4.8mb
		(S)	27	50.00		
OFUJ	70.84	329	P	20	54.70	-0.6
MTMJ	70.90	325	P	20	55.10	-0.8
YAMJ	70.94	322	P	20	55.60	-0.4
TSRJ	71.14	323	eP	20	56.50	-0.7
TKSJ	71.16	320	P	20	56.50	-0.8
KAGJ	71.21	316	P	20	57.70	0.0
YONJ	72.34	321	P	21	03.70	-0.5
SHNJ	73.03	319	eP	21	06.70	-1.3
ADK	73.53	2	eP	21	08.78	-1.7

19d 05h

MTUM	82.11	45	eP	21	57.77	1.0	1.0s	270.00nm		LDF	153.39	1	ePKP	29	27.90	7.4X				
GSC	82.13	47	iPc	21	57.73	1.0		i	29	19.80		0.4s	8.25nm							
LBFM	82.41	40	iPc	21	59.15	1.0		e	29	29.00		LJU	153.44	338	ePKP	29	28.50	7.8X		
SNY	82.53	321	iPd	21	58.40	0.0	KSP	148.67	341	ePKP	29	13.50	-0.1	GRR	153.58	2	ePKP	29	28.70	8.0X
	0.8s	32.00nm				4.9mb		1.1s	66.00nm			0.5s	10.35nm							
BONR	82.63	44	eP	21	59.98	0.5		id	29	18.10		HAU	153.60	351	ePKP	29	28.70	7.9X		
CN2	82.70	323	Pc	21	59.40	0.2		iSg	29	24.20			0.5s	3.65nm						
	1.0s	50.00nm				5.0mb		i	31	38.90		GRG	153.62	321	ePKP	29	28.14	7.1X		
TIA	83.35	313	P	22	03.20	0.5	MLR	148.73	325	ePKPd	29	18.00	4.0X	VBY	153.64	337	ePKPc	29	21.00	0.1
	1.1s	110.00nm				5.3mb	WIT	148.84	353	ePKP	29	19.00	5.3X	VBY	153.64	337	iPKP	29	29.30	8.4X
CP2	85.73	13	iPc	22	12.89	-1.1	CLL	149.15	345	ePKP	29	13.00	-1.2		i	29	44.70			
CRP	85.75	13	eP	22	12.29	-1.8	CLL	149.15	345	iPKP	29	19.20	5.0X	VOY	153.66	339	ePKP	29	28.00	6.9X
GMW	85.77	35	iPc	22	14.89	0.7		1.2s	88.00nm			BSF	153.70	351	ePKP	29	28.90	7.8X		
BJI	86.06	316	eP	22	16.00	0.3			pPKP	31	26.00			0.6s	3.95nm					
	1.0s	170.00nm				5.7mb	BRG	149.31	343	iPKPd	29	19.60	5.1X	LFP	153.93	3	ePKP	29	29.50	8.3X
RMW	86.23	35	iPd	22	16.98	0.5		e	29	26.00			0.5s	10.70nm						
GYA	86.31	300	iPd	22	18.00	0.6			epPKP	31	41.00		FNA	154.33	322	iPKP	29	30.14	8.1X	
	1.2s	39.00nm				5.0mb	CMP	149.35	325	ePKPd	29	18.00	3.2X	OHR	154.44	323	ePKP	29	29.50	7.3X
MCW	86.46	34	P	22	18.05	0.5	HCG	149.48	5	ePKPd	29	19.10	4.3X		0.9s	50.00nm				
PMR	86.69	14	eP	22	17.60	-0.7	WTS	149.62	353	iPKP	29	20.40	5.5X		i	29	48.50			
	0.6s	5.40nm				4.5mb		0.8s	13.60nm				LOR	154.60	355	ePKP	29	30.90	8.7X	
TIY	87.33	312	eP	22	23.00	1.0	HTR	149.76	5	ePKPd	29	19.80	4.7X		0.5s	3.05nm				
	1.3s	68.00nm				5.3mb	HAE	149.85	4	ePKP	29	20.20	4.9X	SSF	154.83	355	ePKP	29	31.50	9.0X
Z	18s	1.33um				5.4Msz	VRAC	149.91	339	ePKP	29	20.90	5.5X		0.5s	2.60nm				
BALM	87.90	17	eP	22	23.59	-0.6		1.3s	89.80nm				LBF	154.87	355	ePKP	29	31.50	8.9X	
XAN	88.04	308	iPd	22	26.20	0.9			i	29	29.20		MFF	155.38	1	ePKP	29	32.50	9.3X	
	1.0s	39.00nm				5.2mb	PRU	149.95	342	iPKPd	29	20.80	5.3X		0.5s	5.45nm				
HVU	88.28	43	eP	22	26.96	0.6		0.8s	50.30nm				TCF	155.68	357	ePKP	29	33.20	9.5X	
DAU	88.56	45	iPc	22	29.02	1.1			i	29	29.30		LSF	155.74	359	ePKP	29	33.00	9.2X	
KMI	88.92	298	Pc	22	31.80	2.1	MOX	150.09	346	iPKPc	29	21.40	5.7X		0.6s	2.70nm				
	Z	20s	1.20um			5.3Msz		1.3s	44.00nm				LPL	155.96	350	ePKP	29	34.70	10.3X	
		pP	24	37.50	576kmX				e	45	27.00			0.7s	2.55nm					
PTI	89.10	43	iPc	22	31.37	1.2	HGH	150.23	4	ePKPd	29	20.90	5.1X	LPG	155.98	349	ePKP	29	34.80	10.3X
HHAI	89.32	42	iP	22	32.25	1.2	HOF	150.34	345	iPKPd	29	21.90	5.8X		0.6s	1.70nm				
PV08	89.41	48	iP	22	32.04	0.2		0.8s	26.00nm				RJF	156.68	359	ePKP	29	35.40	10.4X	
HHC	89.49	315	P	22	33.00	1.1			i	29	30.50			S.D. = 1.0	on 138 of 202 obs.					
	1.0s	44.00nm				5.3mb	SRO	150.55	335	iPKP	29	23.70	7.2X							
Z	22s	0.77um				5.1Msz			i	29	32.80			?	SEP 19, 1993 05h 41m 33.52± 4.61s					
CHTO	89.59	290	ePd	22	34.20	1.6	ZST	150.69	337	iPKP	29	22.60	5.9X		14.182 N ±49.2km 93.514 W ±16.5km					
	1.0s	42.50nm				5.3mb			i	29	32.20			DEPTH = 33.0km (normal)						
MCMT	89.83	41	ePd	22	34.10	0.6			e	31	44.10			4.1mb (5 obs.)						
IMA	89.86	10	eP	22	32.25	-0.8	ENN	150.93	353	ePKP	29	23.00	6.1X		NEAR COAST OF CHIAPAS, MEXICO (69)					
	1.1s	10.10nm				4.7mb		0.9s	37.30nm											
FBA	89.90	13	eP	22	31.54	-1.6			e	29	32.50		SCX	2.68	18	iP	42	15.50	0.3	
	0.6s	7.66nm				4.8mb	KHC	150.99	342	PKP	29	17.40	0.2		iS	42	45.00			
BTO	90.39	314	eP	22	36.50	0.5			i	29	23.80		OXX	4.23	313	iP	42	38.00	0.5	
CD2	90.54	303	eP	22	37.60	0.7			e	29	34.00			(S)	43	21.50				
LZH	92.68	308	iPd	22	47.50	0.8			e	31	44.20		LVVM	6.20	333	eP	42	58.50	-6.6X	
	1.0s	37.00nm				5.4mb	UCC	151.05	355	PKP	29	24.00	6.9X	IIT	6.65	317	eP	43	11.50	-0.3
GTA	96.94	310	eP	23	06.30	0.4	GRF	151.08	346	iPKPd	29	24.00	6.8X	ACX	6.67	294 (P)	43	38.00	26.1X	
	1.5s	13.00nm				5.0mb			ed	29	34.10		PFM	6.90	315	eP	43	15.50	0.0	
SVE	124.47	325	ePKPc	28	29.00	-0.6			e(PF)	31	45.00			(S)	44	27.50				
KAF	136.18	343	ePKP	28	39.80	-11.9X	GEC2	151.22	342	e(PKP)	29	23.90	6.3X	IIA	6.98	316 (P)	43	17.50	1.4	
	0.5s	11.60nm						0.8s	16.60nm				UNM	7.46	314 (P)	43	15.00	-8.2X		
OBN	137.41	330	ePKP	28	52.00	-2.2	GEC2	151.22	342	e(PKP)	29	34.50	16.9X	CRX	7.86	312 (P)	43	18.50	-10.3X	
	1.3s	26.00nm						1.0s	10.90nm				MRX	9.17	308	eP	43	46.50	-0.1	
NUR	137.95	343	ePKP	28	43.80	-11.2X	GEC2	151.22	342	PKP	29	17.20	-0.4	LTX	17.77	330	eP	45	38.30	-1.8
NB2	140.24	352	PKP	28	45.70	-13.6X		0.7s	0.75nm				UYO	19.91	358	iPc	46	07.70	2.3	
	0.7s	11.70nm							e	29	23.90		MIAR	20.27	360	eP	46	05.90	-3.2X	
HFS	140.74	350	ePKP	28	51.90	-8.2X			e	29	34.50			1.1s	11.90nm			4.2mb		
	0.3s	6.80nm							e	31	43.80			e	46	10.95				
MUD	144.96	352	iPKP	29	07.10	-0.3	SNF	151.34	355	iPKPd	29	24.09	6.6X	WMOK	21.01	348 (P)	46	13.91	-2.8	
	0.4s	18.00nm							ic	29	34.54			0.7s	3.36nm			3.8mb		
EDR	144.98	3	ePKPd	29	06.90	-0.6	ALN	151.44	317	iPKP	29	23.82	5.8X		e	46	24.26			
COP	145.18	348	iPKPd	29	07.80	0.0	DOU	151.73	355	PKPd	29	24.90	6.8X	ALQ	23.74	333 (P)	46	43.00	-0.9	
	0.6s	34.67nm							ic	29	35.90			1.0s	4.88nm			4.0mb		
BSD	145.20	346	iPKPd	29	07.70	-0.1	WLF	151.99	352	iPKPd	29	25.92	7.5X	TUC	23.97	322	eP	46	48.45	2.5X
	0.7s	75.00nm							ic	29	37.61			0.9s	5.88nm			4.1mb		
EDU	145.32	4	ePKP	29	08.30	0.3	BHG	152.47	342	iPKPc	29	26.80	7.5X	PV08	27.74	334	eP	47	21.88	0.4
ELO	145.36	4	ePKPd	29	08.30	0.2			i	29	40.60		BGMT	34.70	337	eP	48	24.30	1.6	
EAB	145.59	5	ePKPd	29	09.10	0.6	FUR	152.49	345	iPKPc	29	27.10	7.8X	YKA	50.52	347	eP	50	29.70	-0.7
EBH	145.59	4	ePKPd	29	09.20	0.7			i	29	40.10			0.8s	3.00nm			4.3mb		
ESY	145.98	3	ePKPd	29	10.20	1.1	KBA	152.91	341	iPKPc	29	27.00	6.9X		S.D. = 1.5	on 13 of 19 obs.				
EAU	146.00	4	ePKPd	29	10.50	1.3			i	29	42.70									
EBL	146.09	4	ePKPd	29	10.60	1.3	PTJ	153.04	336	ePKP	29	19.00	-1.2		SEP 19, 1993 05h 47m 10.84± 0.47s					
KAS	146.11	313	iPKPd	29	12.70	2.8	CDF	153.06	350	ePKP	29	27.70	7.5X		14.337 N ± 7.3km 93.352 W ± 4.8km					
KIS	146.19	325	ePKP	29	10.00	0.3		0.8s	11.30nm						DEPTH = 33.0km (normal)					
		e	32	54.00			WATA	153.18	343	iPKPd	29	27.80	7.3X		4.7mb (29 obs.) 4.5Msz (14 obs.)					
		e	35	32.00					i	29	43.00			NEAR COAST OF CHIAPAS, MEXICO (69)						
EKA	146.53	4	PKPc	29	11.70	1.7	FLN	153.22	2	ePKP	29	27.70	7.5X							
	0.8s	19.90nm						0.4s	10.95nm					TPX	1.20	62	iP	47	33.00	1.7
BHL	147.04	299	PKP	29	13.00	1.3	WTTA	153.23	343	iPKPd	29	28.10	7.5X		iS	47				

19d 05h

IIT	6.65	315	eP	48	50.50	1.4	LPZA	39.33	140	Pd	54	39.60	0.0	CENTRAL ALASKA	(1)
ACX	6.76	293	(P)	48	48.00	-2.3			LR		06	29.00		<AEC>.	
PPM	6.90	314	eP	48	54.00	1.1	CNCB	39.82	140	eP	54	36.00	-7.6X		
			(S)	50	00.00				i		56	51.00		TRF	0.24 33 eP 08 47.56 1.4
IIA	6.98	314	iP	48	54.50	1.1	LON	40.13	329	eP	54	45.40	0.1		eS 09 01.22
UNM	7.47	312	(P)	48	58.00	-2.6	RMW	40.62	330	ePc	54	49.02	-0.3	HUR	0.51 123 eP 08 48.46 -0.4
CRX	7.88	311	(P)	49	00.50	-5.9X	GMW	41.16	330	ePc	54	52.86	-0.8		eS 09 03.87
MRX	9.20	307	eP	49	24.50	0.1	MCW	41.97	331	eP	55	00.24	-0.1	RND	0.79 78 eP 08 50.47 -0.5
CGX	11.04	300	(P)	49	51.50	1.7	YKA	50.41	347	eP	56	05.60	-1.2	CUT	0.86 170 eP 08 51.03 -0.4
LTX	17.71	329	eP	51	16.96	0.2		0.8s	22.50nm						eS 09 08.06
UYO	19.77	357	iPc	51	38.90	-2.2	FRB	52.29	14	eP	56	20.00	-1.1	MCK	0.88 56 eP 08 51.08 -0.5
MIAR	20.12	359	eP	51	42.11	-2.7		0.9s	9.00nm						eS 09 07.20
	0.9s	36.92nm				4.7mb	SIT	53.14	333	P	56	40.00	12.5X	SKT	1.35 199 eP 08 55.54 -0.7
OXF	20.40	9	eP	51	46.77	-1.0		Z	20s	1.23um					eS 09 15.87
WMOK	20.90	347	eP	51	51.54	-1.3	BAO	53.82	122	Pd	56	34.00	0.8	DHY	1.46 96 eP 08 57.15 -0.5
	1.0s	7.62nm				4.0mb	BALM	58.36	334	eP	57	04.99	-0.2		eS 09 18.73
MEO	20.90	348	iPd	51	51.50	-1.4	INK	59.75	344	eP	57	14.00	-0.5	PWA	1.64 168 P 08 59.00 -0.5
TUL	21.59	355	iP	52	01.50	1.6		1.0s	8.00nm					GHO	1.67 152 eP 08 59.60 -0.3
HBV	21.96	30	eP	52	04.57	1.1	KLU	60.10	334	eP	57	16.45	-0.7		eS 09 23.07
PRM	22.03	25	eP	52	03.52	-0.8	RES	60.35	360	eP	57	17.50	-1.0	MLY	1.79 358 eP 09 01.47 0.2
SGS	22.11	30	eP	52	05.51	0.5		0.9s	8.00nm					SML	1.79 143 eP 09 00.08 -1.2
MYNC	22.26	20	eP	52	07.07	0.5	PMR	61.52	333	ePc	57	25.67	-1.0		eS 09 25.13
	0.9s	8.75nm				4.2mb		Z	19s	0.41um				PLRM	1.80 157 eP 09 00.30 -1.0
	Z	19s	0.86um			4.2msz	FBA	62.42	337	eP	57	31.53	-1.2	SUA	1.80 183 eP 09 02.10 0.6
JSC	22.67	27	eP	52	11.15	0.6		0.9s	5.46nm					CCB	1.86 40 eP 09 00.92 -1.1
ACO	22.86	348	iPc	52	12.30	-0.2	DAG	72.61	13	eP	58	36.20	-0.3	HDA	1.98 53 eP 09 02.76 -0.8
LHS	23.04	27	eP	52	14.43	0.3		1.0s	10.00nm					MDM	2.00 30 eP 09 02.72 -1.1
ELC	23.15	8	eP	52	15.04	-0.2	LPF	81.02	43	eP	59	24.60	0.8	NCG	2.00 202 eP 09 03.44 -0.4
ALQ	23.68	332	eP	52	21.52	0.9	AVF	84.20	43	eP	59	40.70	0.4	FBA	2.06 35 eP 09 02.74 -1.7
	1.0s	10.40nm				4.3mb		0.9s	2.80nm					CGLM	2.06 200 eP 09 04.69 0.0
FVM	23.70	6	ePc	52	18.83	-1.7	SSF	84.24	43	eP	59	41.00	0.5	PMS	2.07 166 P 09 04.10 -0.6
	1.0s	16.89nm				4.5mb	LOR	84.42	43	eP	59	41.20	-0.2		S 09 30.90
TUC	23.94	321	eP	52	25.67	2.6		Z	23s	0.28um				SCM	2.07 132 eP 09 03.65 -1.1
	1.9s	154.76nm				5.2mb	NB2	84.47	28	P	59	36.30	-5.1X	CRP	2.13 201 eP 09 05.53 0.0
CEH	24.99	28	eP	52	31.80	-1.2		1.1s	19.90nm						eS 09 32.86
	0.7s	5.57nm				4.3mb	HAU	85.83	42	eP	59	48.70	0.2	BGL	2.17 204 eP 09 06.13 0.1
GLA	26.99	317	eP	52	52.16	0.4		1.0s	12.20nm					GLM	2.23 37 eP 09 05.68 -1.0
GLD	27.38	340	eP	52	55.54	0.2		Z	22s	0.15um				BKG	2.33 201 eP 09 07.37 -0.6
	1.4s	29.40nm				4.7mb	HFS	85.94	29	eP	59	47.20	-1.5	TOA	2.34 118 P 09 07.30 -0.7
GOL	27.38	340	eP	52	55.28	-0.2		0.5s	0.60nm					PAX	2.34 95 eP 09 07.56 -0.6
	1.3s	47.17nm				5.0mb	BSF	86.17	42	eP	59	50.10	-0.2		eS 09 36.69
PV08	27.67	334	eP	52	58.79	0.6		1.0s	9.00nm					SDG	2.42 105 eP 09 08.39 -0.7
PV10	27.68	333	eP	52	57.74	-0.4	CDF	86.31	41	eP	59	51.00	0.1	PWL	2.63 155 eP 09 10.41 -1.3
PV09	27.82	333	eP	53	00.30	0.8		1.1s	8.05nm					SLKM	2.76 176 eP 09 12.83 -0.7
PLM	28.53	316	ePc	53	06.50	0.7	LIC	86.87	84	P	59	54.43	0.3	KLU	2.80 127 eP 09 11.88 -2.1
			e	53	12.59			1.0s	17.50nm					MPA	2.83 168 eP 09 13.46 -0.9
PEC	29.05	316	ePc	53	10.60	0.3	KIC	87.11	84	P	59	55.65	0.3	VLZ	2.91 135 eP 09 13.33 -2.1
	1.2s	19.11nm				4.7mb		1.0s	16.00nm					REF	2.95 201 eP 09 16.49 0.4
MSU	29.27	329	eP	53	13.33	0.8	GEC2	90.18	39	P	00	09.40	0.0	HIN	3.46 144 eP 09 21.05 -1.6
ARUT	29.39	326	eP	53	14.40	0.9		0.8s	1.05nm					GLB	3.64 117 eP 09 23.67 -1.4
EMUT	29.65	332	ePc	53	16.33	0.4	CHTO	144.90	339	ePKP	06	45.40	-1.7	SGAM	3.75 135 eP 09 24.52 -2.0
DAU	30.33	332	ePc	53	22.30	0.3	LOE	145.12	334	ePKP	06	46.50	-1.0	CNPM	3.76 185 eP 09 25.83 -0.8
YSNY	30.82	22	P	53	40.00	14.1X	BDT	146.33	338	ePKP	06	48.20	-1.3	RAGM	4.01 133 eP 09 29.26 -0.8
	Z	20s	1.26um			4.6msz	HYB	147.45	14	ePKP	06	53.50	2.2	HMT	4.19 131 eP 09 30.50 -1.9
DUG	30.88	330	eP	53	27.32	0.6	GBA	150.78	19	PKP	06	56.90	0.5	BALM	4.46 116 eP 09 34.07 -2.0
	1.2s	8.10nm				4.4mb		0.8s	6.50nm					WAX	4.61 124 eP 09 37.22 -1.0
	Z	20s	0.66um			4.3msz		S.D. = 1.1 on 84 of 98 obs.							42 obs. associated
ISA	30.97	318	P	53	40.00	12.6X		% SEP 19, 1993 05h 50m 04.06± 1.05s							? SEP 19, 1993 07h 10m 38.75± 3.01s
RSSD	31.05	345	eP	53	27.73	-0.5		46.434 N ± 9.1km 3.492 E ± 7.0km							13.629 N ± 35.2km 93.004 W ± 18.4km
	0.8s	10.82nm				4.7mb	DEPTH = 10.0km (geophysicist)								DEPTH = 33.0km (normal)
BINY	31.56	25	P	53	40.00	7.5X	FRANCE	(538)							4.3mb (4 obs.)
	Z	19s	1.20um			4.6msz	ML 1.5 (LDG).								OFF COAST OF CHIAPAS, MEXICO (68)
BW06	31.59	337	eP	53	32.53	-0.5									
	1.0s	9.25nm				4.6mb	SMF	0.32	49	Pg	50	11.30	0.6	TPX	1.46 29 (P) 11 09.50 6.5X
HVU	32.11	332	eP	53	37.91	0.4								SCX	3.11 7 iP 11 28.00 1.4
BONR	32.29	321	eP	53	39.97	0.8	AVF	0.37	345	Pg	50	12.10	0.4		iS 12 01.00
LSCT	32.36	29	P	53	50.00	10.6X								OXX	4.97 314 eP 11 55.00 1.8
	Z	19s	1.37um			4.7msz	BGF	0.46	286	Pg	50	13.80	0.3	IIT	7.39 317 (P) 12 35.00 7.6X
PTI	32.81	334	ePc	53	43.59	0.1								PPM	7.64 316 eP 12 30.00 -1.1
HHAI	33.16	334	eP	53	46.56	0.0	SSF	0.63	1	Pg	50	16.20	-0.5	IIA	7.72 316 eP 12 30.50 -1.2
CMB	33.62	320	eP	53	50.42	-0.1								LTX	18.49 329 eP 14 52.72 -1.6
	0.3s	0.82nm				4.1mb	LBF	0.64	31	Pg	50	16.70	-0.3	UYO	20.49 357 iPd 15 15.50 -1.1
HRV	33.78	30	P	54	00.00	8.2X								MIAR	20.83 359 eP 15 17.08 -3.0
	Z	18s	1.43um			4.7msz	MAF	0.68	252	Pg	50	17.50	0.0		0.9s 6.97nm 4.0mb
RSNY	34.11	24	P	54	00.00	5.4X								TUL	22.33 354 iP 15 36.70 1.6
	Z	20s	0.76um			4.4msz	LOR	0.87	17	Pg	50	20.50	-0.3	ALQ	24.46 333 eP 15 56.88 0.8
MCMT	34.61	335	ePc	54	00.40	1.2								PV08	28.45 334 eP 16 34.46 1.3
LEBH	34.96	27	P	54	10.00	8.1X									e 16 40.54
	Z	19s	1.51um			4.8msz	TCF	0.90	261	Pg	50	20.80	-0.5	BW06	32.37 337 (P) 17 08.74 1.0
ORV	35.24	321	eP	54	05.39	1.1									1.1s 2.78nm 4.1mb
ULM	35.87	357	eP	54	09.00	-0.6	LSF	1.37	263	Pg	50	29.50	0.3	MCMT	35.39 335 eP 17 35.90 2.1X
WDC	36.49	321	P	54	30.00	15.1X								YKA	51.17 347 eP 19 41.30 0.8
	Z	21s	0.48um			4.2msz		S.D. = 0.5 on 9 of 9 obs.							0.7s 4.30nm 4.5mb
LBFM	36.58	323	eP	54	16.12	0.2		& SEP 19, 1993 07h 08m 29.26s						NB2	84.93 28 P 23 10.90 -0.8
CBM	38.73	28	P	54	40.00	6.4X		63.254 N 150.577 W							1.3s 4.40nm 4.5mb
	Z	19s	0.72um			4.5msz	DEPTH = 132.3km							GBA	151.33 20 PKP 30 38.30 13.1X

19d 07h

0.6s 2.50nm
S.D. = 1.6 on 13 of 17 obs.

* SEP 19, 1993 08h 05m 22.63± 1.01s
43.967 N ± 9.8km 147.469 E ± 9.8km
DEPTH = 116.9 ± 9.1 km
4.6mb (31 obs.)

KURIL ISLANDS (221)

KUSJ 2.19 248 P 05 58.50 -0.3
eS 06 23.60
HOOJ 3.44 244 eP 06 16.70 1.3
eS 06 55.70
ASAJ 3.48 274 P 06 17.00 1.0
MRRJ 4.92 254 eP 06 35.50 -0.1
eS 07 30.30
OFUJ 6.54 224 eP 06 57.30 -0.4
eS 08 07.20
YAMJ 8.06 227 eP 07 18.10 -0.3
eS 08 45.40
NIJ 9.30 227 eP 07 34.60 -0.5
CHJJ 10.23 222 eP 07 51.40 3.8X
eS 09 36.60
MAT 10.25 227 eP 07 48.00 0.2
eS 09 40.00
MTMJ 10.43 228 eP 07 48.20 -2.1
eS 09 46.00
IIDJ 11.22 224 eP 08 00.80 0.2
eS 10 04.10
BJI 23.51 271 eP 10 22.50 -0.1
1.0s 80.00nm 5.1mb
TIA 24.37 262 eP 10 32.40 1.4
BTO 27.76 276 eP 11 01.60 -0.5
LZH 34.00 272 iPc 11 57.50 0.4
1.0s 40.00nm 5.2mb
GTA 35.49 279 P 12 09.50 -0.2
1.4s 12.00nm 4.6mb
CD2 36.66 264 iPd 12 19.50 0.0
FBA 40.79 36 eP 12 52.72 -0.5
0.6s 6.11nm 4.5mb
KLU 41.88 41 eP 13 03.58 1.2
WMQ 42.23 291 P 13 05.60 0.1
0.8s 24.00nm 5.0mb
INK 46.10 30 ePd 13 36.50 0.5
0.5s 3.00nm 4.3mb
CHTO 47.57 254 eP 13 49.80 1.6
HYB 63.01 269 eP 15 39.00 -0.4
KAF 64.22 333 eP 15 44.00 -2.6
NUR 65.95 333 eP 15 55.00 -2.7
GBA 66.33 266 P 16 00.90 0.2
0.7s 3.00nm 4.3mb
NB2 69.48 339 P 16 09.50 -10.3X
0.4s 1.80nm
HFS 69.58 337 eP 16 17.70 -2.6
0.4s 10.80nm 5.1mb
KSP 76.49 331 eP 17 00.00 -0.8
CLL 77.23 333 iPd 17 04.40 -0.4
1.1s 24.00nm 4.9mb
PRU 77.82 331 iPc 17 08.00 -0.1
Sg 38 27.00
EKA 77.98 343 Pd 17 08.90 -0.1
0.7s 8.40nm 4.6mb
KHC 78.88 331 P 17 14.40 0.4
0.6s 2.70nm 4.2mb
GEC2 79.08 331 P 17 14.80 -0.4
0.7s 2.52nm 4.1mb
e 17 16.90
GRF 79.20 333 iPc 17 16.10 0.4
1.3s 24.00nm 4.8mb
CDF 81.59 334 eP 17 28.20 -0.2
0.8s 4.15nm 4.3mb
HAU 82.23 335 eP 17 31.30 -0.4
BSF 82.25 334 eP 17 31.30 -0.6
0.9s 4.40nm 4.3mb
FLN 83.47 339 eP 17 37.80 -0.2
0.7s 8.25nm 4.7mb
LDF 83.53 339 eP 17 38.70 0.4
1.0s 15.40nm 4.9mb
LOR 83.64 336 eP 17 38.70 -0.3
0.6s 2.55nm 4.3mb
LBF 83.86 336 eP 17 39.80 -0.3
0.7s 4.65nm 4.5mb
GRR 83.91 339 eP 17 40.40 0.2
0.8s 11.95nm 4.8mb
SSF 83.93 336 eP 17 40.30 -0.1
0.9s 7.70nm 4.6mb
SMF 84.21 336 eP 17 41.90 0.1

1.0s 17.20nm 4.9mb
AVF 84.22 336 eP 17 42.00 0.2
0.9s 8.70nm 4.7mb
LPF 84.29 339 eP 17 42.60 0.5
0.8s 8.20nm 4.7mb
LPL 84.33 333 eP 17 43.00 0.3
0.7s 4.95nm 4.5mb
LPG 84.34 333 eP 17 43.20 0.4
0.9s 7.70nm 4.6mb
MAF 84.97 336 eP 17 46.40 0.8
0.9s 11.45nm 4.8mb
TCF 85.01 337 eP 17 46.20 0.4
0.7s 2.55nm 4.2mb
LSF 85.24 337 eP 17 47.40 0.4
0.8s 6.30nm 4.6mb
MFF 85.38 338 eP 17 48.40 0.8
0.7s 6.40nm 4.7mb
RJF 86.11 337 eP 17 51.90 0.6
CAF 86.29 336 eP 17 53.30 1.1
1.1s 9.30nm 4.7mb
LFF 86.66 337 eP 17 54.90 1.0
LPO 86.77 337 eP 17 55.60 1.1
S.D. = 0.9 on 55 of 57 obs.

% SEP 19, 1993 08h 20m 56.86± 1.28s
40.369 N ± 11.4km 21.799 E ± 7.3km
DEPTH = 10.0km (geophysicist)

GREECE (364)
ML 1.7 (THE).

FNA 0.53 322 iPg 21 06.85 -0.7
eSg 21 14.18
LIT 0.59 117 ePg 21 08.82 0.0
eSg 21 18.66
GRG 0.74 38 ePg 21 11.82 0.3
eSg 21 23.58
OHR 1.06 315 e(P) 21 17.50 0.6
KNT 1.15 46 ePb 21 18.30 -0.1
SOH 1.27 69 ePb 21 20.26 -0.2
S.D. = 0.6 on 6 of 6 obs.

& SEP 19, 1993 08h 24m 34.46s
63.104 N 150.527 W
DEPTH = 113.5km
CENTRAL ALASKA (1)
<AEIC>.

TRF 0.36 17 eP 24 51.15 -0.2
eS 25 03.30
HUR 0.43 107 eP 24 50.99 -0.5
eS 25 03.50
CUT 0.71 170 iP 24 53.25 -0.2
eS 25 07.85
RND 0.82 67 eP 24 54.17 -0.4
eS 25 08.87
MCK 0.95 48 eP 24 55.64 -0.2
eS 25 11.22
SKT 1.22 203 eP 24 58.03 -0.6
eS 25 16.87
DHY 1.44 90 eP 25 01.04 -0.2
eS 25 21.50
PWA 1.49 168 P 25 01.70 0.0
GHO 1.53 150 eP 25 02.39 0.1
eS 25 23.80
NEA 1.61 23 eP 25 02.53 -0.7
eS 25 23.10
SUA 1.65 184 eP 25 04.15 0.3
PMR 1.65 156 eP 25 02.78 -0.9
eS 25 25.02
SML 1.65 141 eP 25 03.39 -0.4
NCG 1.87 205 eP 25 05.90 -0.6
PMS 1.92 166 P 25 06.90 -0.2
S 25 30.80
CGLM 1.93 202 eP 25 07.37 0.1
MLY 1.94 357 eP 25 06.78 -0.6
SCM 1.96 129 eP 25 07.22 -0.4
eS 25 34.20
CCB 1.96 37 eP 25 06.95 -0.6
CRP 2.00 203 eP 25 06.90 -1.3
CP2 2.01 204 eP 25 07.83 -0.7
eS 25 34.18
BGL 2.04 206 eP 25 09.31 0.6
HDA 2.06 49 eP 25 08.28 -0.5
eS 25 33.87
SPU 2.06 201 eP 25 08.88 0.0
CKT 2.07 203 eP 25 08.99 0.0
MDM 2.12 27 eP 25 09.03 -0.6

FBA 2.17 33 eP 25 09.13 -1.1
THY 2.18 80 eP 25 11.26 0.8
BKG 2.20 203 eP 25 09.85 -0.9
TOA 2.25 115 P 25 11.30 -0.1
PAX 2.31 91 eP 25 12.24 0.1
eS 25 41.54
CFI 2.32 145 eP 25 11.77 -0.5
GLM 2.34 35 eP 25 12.15 -0.4
SDG 2.36 102 eP 25 12.62 -0.2
PWL 2.48 154 eP 25 13.33 -1.0
TTA 2.51 268 P 25 13.60 -1.2
TZL 2.59 112 eP 25 15.83 0.0
SLKM 2.61 177 eP 25 15.96 -0.1
MPA 2.68 168 eP 25 15.95 -1.0
eS 25 47.00
KLU 2.69 125 eP 25 16.07 -1.1
DFR 2.72 203 eP 25 17.37 -0.2
VLZ 2.79 133 eP 25 17.51 -0.9
eS 25 50.07
REF 2.82 202 eP 25 19.87 0.8
RDW 2.85 203 eP 25 19.65 0.3
SEW 3.06 170 eP 25 21.01 -0.9
SVW 3.12 232 eP 25 22.26 -0.7
HOM 3.50 189 eP 25 28.12 0.2
GLB 3.55 115 eP 25 27.64 -1.2
CNPM 3.61 186 eP 25 28.80 -0.7
BALM 4.37 115 eP 25 38.32 -1.6
WAX 4.51 123 eP 25 41.05 -0.8
51 obs. associated

% SEP 19, 1993 08h 26m 22.15± 0.99s
39.089 N ± 7.2km 27.623 E ± 12.6km
DEPTH = 5.0km (geophysicist)

TURKEY (366)
ML 2.8 (ISK).

IZM 0.75 202 ePg 26 37.00 -0.1
EZN 1.25 307 iPn 26 45.90 0.2
EDC 1.27 8 ePn 26 46.00 -0.2
BNT 1.29 10 ePn 26 46.00 -0.4
KCT 1.29 26 iPn 26 47.00 0.5
S.D. = 0.5 on 5 of 5 obs.

SEP 19, 1993 08h 35m 09.71± 1.12s
43.086 N ± 10.8km 12.626 E ± 6.6km
DEPTH = 10.0km (geophysicist)

CENTRAL ITALY (381)
MD 3.4 (TRI). ML 3.3 (LDG), 3.2 (VIE).

RIY 2.59 29 iPn 35 51.70 -0.6
iSn 36 24.70
PGF 2.72 260 Pn 35 55.20 0.8
TRI 2.75 17 e(Pn) 35 53.60 -1.0
e(Sn) 36 27.20
e(Sg) 36 41.00
HVAR 2.80 87 iPnd 35 55.00 -0.4
CEY 2.95 25 ePn 35 56.50 -1.0
eSn 36 33.60
VBY 3.07 37 ePn 36 00.50 1.4
iSn 36 35.50
VOY 3.08 17 ePn 35 58.90 -0.5
eSn 36 36.30
e 36 52.70
LJU 3.26 24 e(Pn) 35 51.50 -10.3X
e 36 02.50
e 36 13.00
eSn 36 41.00
SBF 3.86 283 Pn 36 11.10 0.7
KBA 4.03 7 iPnc 36 12.80 -0.1
i 36 32.90
iSn 37 01.40
iSg 37 27.10
WTTA 4.24 351 iPnc 36 18.70 2.8
iPg 36 38.30
iSn 37 10.60
i 37 32.90
SQTA 4.25 347 iPnc 36 18.80 2.7
i 37 12.50
WATA 4.31 350 iPnd 36 18.80 1.8
i 37 14.10
FRF 4.39 278 Pn 36 18.10 0.2
LMR 4.48 275 Pn 36 19.00 -0.1
LRG 4.59 277 Pn 36 21.00 0.3
LPG 4.86 302 Pn 36 24.60 -0.2
LPL 4.88 302 Pn 36 26.30 1.2
GEC2 5.81 7 Pn 36 37.40 -0.6

19d 08h

KHC	6.08	6	Sn	37 43.80	
			Pn	36 41.50	-0.3
			Sg	37 50.00	
BSF	6.27	321	Pn	36 43.10	-1.5
			Sn	37 54.20	
CDF	6.51	327	Pn	36 46.20	-1.7
			Sn	37 59.80	
HAU	6.60	320	Pn	36 47.80	-1.4
			Sn	38 01.40	
SMF	7.18	303	Pn	36 56.20	-1.1
LBF	7.26	305	Pn	36 57.10	-1.3

S.D. = 1.3 on 24 of 25 obs.

& SEP 19, 1993 08h 35m 17.60s
66.189 N 149.736 W
DEPTH = 18.2km
NORTHERN ALASKA (676)
<AEIC>. ML 3.0 (AEIC).

MLY	1.24	200	eP	35 39.29	-0.7
			eS	35 56.15	
MDM	1.39	152	eP	35 41.52	-0.5
			eS	36 01.29	
FBA	1.53	147	ePnd	35 43.20	-0.8
			ePg	35 45.42	
GLM	1.55	140	eP	35 43.91	-0.6
IMA	1.61	267	eP	35 43.97	-1.4
			eS	36 04.07	
NEA	1.64	170	eP	35 45.52	-0.2
			eS	36 08.37	
CCB	1.75	152	eP	35 46.48	-0.7
			eS	36 08.58	
PRP	1.86	109	eP	35 50.66	1.6
			eS	36 11.71	
HDA	2.14	146	eP	35 51.93	-1.0
MCK	2.49	172	eP	35 57.50	-0.4
TRF	2.76	185	eP	36 02.87	0.9
RND	2.82	172	eP	36 02.15	-0.5
DHY	3.29	161	eP	36 09.38	0.0
CUT	3.81	184	eP	36 18.32	1.7
SKT	4.30	191	eP	36 23.92	0.3
SML	4.44	171	eP	36 26.50	0.9
PWA	4.56	181	P	36 34.20	7.0
NCG	4.92	194	eP	36 31.47	-1.0
PMS	4.97	179	P	36 34.40	1.4
KLU	5.01	159	eP	36 35.12	1.4
SLKM	5.71	182	(P)	36 45.91	2.4

21 obs. associated

& SEP 19, 1993 09h 45m 00.64s
62.923 N 149.788 W
DEPTH = 82.2km
CENTRAL ALASKA (1)
<AEIC>.

HUR	0.09	52	eP	45 12.33	1.5
			eS	45 20.67	
CUT	0.57	203	iPd	45 15.24	-0.1
MCK	0.90	25	iPc	45 18.72	-0.2
			eS	45 32.62	
GHO	1.22	160	iPc	45 22.87	-0.1
			eS	45 39.61	
SKT	1.25	221	iPc	45 22.92	-0.2
PWA	1.28	182	iPc	45 23.60	0.1
SML	1.31	148	iPc	45 23.77	-0.2
PLRM	1.37	167	iPc	45 24.67	0.0
			eS	45 44.28	
PMR	1.37	167	iPc	45 24.32	-0.4
			eS	45 40.49	
SUA	1.53	197	iPc	45 27.02	0.0
			eS	45 48.71	
SCM	1.58	133	ePc	45 27.19	-0.5
HDA	1.95	39	iPc	45 31.56	-0.9
PAX	1.98	87	ePd	45 32.60	-0.3
CRP	2.00	215	ePd	45 32.70	-0.6
CP2	2.03	216	ePd	45 33.38	-0.3
SPU	2.05	212	eP	45 33.90	0.1
			eS	46 00.78	
FBA	2.17	23	iPc	45 34.23	-1.2
TZL	2.21	112	ePd	45 36.19	0.2
KLU	2.31	127	ePd	45 36.27	-1.2
GLM	2.33	26	iPc	45 36.69	-1.0
VLZ	2.43	136	iPd	45 37.40	-1.5
			eS	46 06.85	
SLKM	2.43	185	eP	45 39.29	0.2
RDT	2.67	209	eP	45 42.02	-0.3
RDW	2.84	212	eP	45 44.44	-0.4

TTA	2.85	273	iPd	45 43.91	-0.9
SVW	3.30	239	eP	45 50.14	-0.9
CNPM	3.48	192	eP	45 53.25	-0.3
IMA	3.58	334	eP	45 53.90	-1.1
PDB	3.79	216	eP	45 57.63	-0.2
AUP	3.98	208	eP	46 00.82	0.2
BALM	3.99	115	eP	45 58.69	-2.1
SVI	4.51	198	eP	46 06.94	-1.0
YAH	4.62	120	eP	46 07.21	-2.4
WRG	4.71	124	eP	46 09.16	-1.6
CHX	5.05	121	eP	46 13.30	-2.2
KDC	5.36	196	eP	46 16.19	-3.6
PCA	5.37	118	eP	46 17.04	-2.9
BCPM	5.71	117	eP	46 21.71	-2.9
PNL	5.98	118	eP	46 25.51	-2.8
HQN	6.32	119	eP	46 29.56	-3.4
ANM	7.11	290	eP	46 43.05	-0.8
INK	8.61	44	P	47 03.50	-0.9

0.6s 6.00nm 4.5mb X

SIT	9.32	123	eP	47 11.09	-3.0
MSU	33.30	119	eP	51 31.93	-0.4
			e	51 58.77	
SRU	33.46	117	eP	51 32.44	-1.2
			e	52 01.80	

45 obs. associated

? SEP 19, 1993 09h 58m 35.25± 1.01s
14.722 N ± 9.8km 61.115 W ± 7.1km
DEPTH = 5.0km (geophysicist)
WINDWARD ISLANDS (95)
ML 1.4 (PDF).

FDF	0.04	288	iPd	58 36.51	-0.1
			S	58 37.65	
CRM	0.20	81	iPc	58 39.35	0.1
			S	58 42.43	
BIM	0.21	168	iPc	58 39.64	0.1
			S	58 42.94	
MVM	0.27	128	iPc	58 40.55	-0.2
			S	58 44.68	

S.D. = 0.2 on 4 of 4 obs.
& SEP 19, 1993 10h 10m 57.36s
37.573 N 118.846 W
DEPTH = 8.0km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 3.0 (GM).

CLKR	0.02	45	P	10 58.88	-0.4
MEMM	0.12	322	iPd	11 00.33	0.2
MMPM	0.15	284	iPd	11 00.71	-0.2
ORC	0.16	68	P	11 01.01	-0.1
CASR	0.23	89	P	11 02.42	0.1
MRCM	0.29	70	iPc	11 03.19	-0.2
MTUM	0.31	134	iPd	11 03.61	-0.3
BHPR	0.40	134	P	11 05.25	-0.2
BCKR	0.40	72	P	11 05.38	-0.1
BONR	0.58	48	iPc	11 08.51	-0.5
FRI	0.90	230	P	11 14.17	-0.6
CMB	1.30	291	ePd	11 21.08	-0.6
			eS	11 35.34	
TNP	1.39	68	ePc	11 23.43	0.3
			eS	11 39.99	
MCUM	1.46	286	P	11 24.04	0.0
MRFM	1.48	297	P	11 24.37	-0.1
BAVM	1.74	273	P	11 32.82	4.8
BMSM	1.80	240	P	11 30.42	1.4
ISA	1.93	171	eP	11 31.39	0.5
HVC	1.98	233	P	11 32.63	1.0
LTR	2.08	251	P	11 34.61	1.6
HJSM	2.10	250	P	11 35.06	1.8
BHRM	2.11	247	P	11 35.60	2.2
BLRM	2.14	246	P	11 36.77	2.9
ARN	2.15	265	eP	11 35.18	1.2
HSPM	2.18	259	P	11 36.68	2.2
BVYM	2.21	249	P	11 36.16	1.3
WSHM	2.22	150	P	11 39.10	4.0
BCH	2.58	203	eP	11 40.66	0.4
BAPM	2.64	239	P	11 41.90	0.8
ABL	2.73	186	eP	11 43.04	0.5
GSC	2.80	143	ePn	11 43.52	0.1

31 obs. associated

% SEP 19, 1993 10h 41m 24.54± 0.74s
31.250 S ±13.8km 68.027 W ± 8.8km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTLL	0.39	258	ePc	41 39.50	-0.4
			S	41 51.00	
RTCB	0.70	250	ePd	41 42.50	0.2
			S	41 54.50	
RTPR	1.61	54	eP	41 52.50	0.0
			S	42 13.00	
RTRS	1.64	311	e(P)	41 53.00	0.1
MRA	2.29	121	ePc	42 01.50	0.1

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

SEP 19, 1993 10h 56m 16.22± 0.20s
13.749 N ± 3.9km 144.767 E ± 4.6km
DEPTH = 33.0km (normal)
5.3mb (37 obs.)
MARIANA ISLANDS (216)
Felt (IV) at Potts Junction and
Yigo; (III) at Andersen AFB,
Apra Heights, Dededo, Nimitz
Hill and Santa Rita, Guam.

GUMO	0.19	149	eP	56 21.80	-0.9
			iS	56 26.60	
PJG	0.19	149	eP	56 21.80	-0.9
GUA	0.25	146	iP	56 22.80	-0.6
PLP	19.49	265	ePc	00 44.30	0.7
DAV	19.99	253	eP	00 45.00	-4.0X
MAP	20.61	263	iPd	00 56.00	0.6
KAGJ	21.54	326	P	01 05.10	0.3
WKYJ	22.01	339	P	01 09.50	0.0
TKSJ	22.37	336	P	01 14.10	1.1
CVP	22.43	283	eP	01 16.00	2.3X
IIDJ	22.50	345	P	01 15.70	1.3
KAKJ	22.74	350	eP	01 17.30	0.7
CHJJ	22.80	348	eP	01 17.20	0.0
QCP	22.98	275	eP	01 22.80	3.7X
TSRJ	23.09	341	eP	01 20.00	-0.1
PMG	23.13	174	eP	01 22.00	1.5
MAT	23.45	347	iPd	01 23.30	-0.2

	1.0s	69.00nm	5.1mb	
		eS	05 29.00	
BAG	23.50	280	eP-	01 24.00
	1.2s	140.63nm	5.4mb	
MTMJ	23.58	346	P	01 25.30
YONJ	23.66	336	P	01 26.80
SHNJ	23.77	331	P	01 26.60
NIIJ	23.95	349	eP	01 28.80
YAMJ	24.69	351	eP	01 35.50
OFUJ	25.38	354	eP	01 42.80
SSE	27.71	312	P	02 02.50
	1.0s	13.00nm	4.6mb	
NJ2	29.90	312	Pc	02 22.00
WHN	32.61	306	Pc	02 47.00
MDJ	33.37	340	eP	02 53.00
	1.0s	21.00nm	5.0mb	
CTA	33.66	177	eP	02 56.80
	0.7s	73.29nm	5.7mb	
WB2	35.01	197	iPd	03 07.00
	0.9s	44.30nm	5.4mb	
		eS	08 42.40	

BJI	36.26	322	eP	03 16.50
	1.5s	99.00nm	5.5mb	
Z	20s	0.30um	4.1MsZ	
TIY	37.34	316	eP	03 27.50
	1.1s	53.00nm	5.3mb	
Z	16s	0.71um	4.6MsZ	
E	17s	0.90um		

GYA	37.80	296	iPc	03 33.00
	1.2s	69.00nm	5.4mb	
XAN	38.22	308	Pd	03 34.50
	1.0s	13.00nm	4.7mb	
		pP	03 36.80	
ASPA	38.67	196	iPd	03 38.90
	0.6s	24.20nm	5.2mb	
Z	23s	0.40um	4.2MsZ	
HHC	39.59	319	P	03 46.80
	1.2s	98.00nm	5.4mb	
Z	20s	0.37um	4.2MsZ	
		pP	03 54.00	

BTO	40.44	318	P	03 54.00
KMI	41.06	292	Pc	04 00.50
	1.6s	110.00nm	5.3mb	
CD2	41.33	301	iPd	04 00.50
	1.0s	92.00nm	5.5mb	
DZM	41.46	149	iPc	04 04.10
LOE	41.55	281	eP	04 02.50
MBL	42.46	216	iPd	04 09.90
	0.6s	40.00nm	5.3mb	

19d 11h

LZH	42.84	309	iPd	04	13.80	0.6	TCA	147.88	128	ePKP	15	57.00	-0.1	HRV	6.65	118	eP	25	48.30	4.1
	1.0s	68.00nm				5.3mb	CYA	148.08	122	ePKPc	15	58.00	0.5	HBMT	6.80	127	eP	25	43.50	-3.0
NST	43.16	278	iPc	04	17.00	1.2	LPZ	148.14	99	PKPd	15	59.10	0.5	LRM	6.86	126	eP	25	44.30	-3.0
NNT	43.82	274	eP	04	22.20	1.0	LPB	148.17	99	PKP	16	00.00	1.6	SXM	7.33	120	eP	25	56.30	2.5
IPM	44.06	262	ePc	04	23.70	0.5		1.1s	37.97nm					MCMT	7.38	134	eP	25	52.10	-2.5
	0.9s	26.70nm				5.0mb	CNCB	148.28	100	PKP	16	00.20	1.5	BGMT	7.48	128	eP	25	52.70	-3.2
BDT	44.16	281	eP	04	22.80	-1.1		i	16	02.90				TPMT	8.02	129	eP	26	04.40	0.8
CHTO	44.18	283	ePd	04	24.30	0.2	SLA	149.48	116	ePKP	16	04.70	4.8X	32 obs. associated						
	1.0s	15.75nm				4.8mb	CCH	150.03	101	PKP	16	07.20	6.1X	-----						
		eSg	24	12.70			YJA	150.06	111	ePKPc	16	02.80	1.6	? SEP 19, 1993 11h 42m 40.08± 1.24s						
ARMA	44.41	172	iPc	04	26.40	0.6	BAO	167.51	100	PKPc	16	22.40	1.5	5.464 S ±18.3km 150.033 E ±40.9km						
KHT	44.70	277	iPd	04	28.80	0.5	S.D. = 1.0 on 99 of 105 obs.						DEPTH = 111.0 ± 20.9 km							
STK	45.47	184	eP	04	33.60	-0.5	-----						4.7mb (3 obs.)							
	0.6s	10.60nm				4.9mb	% SEP 19, 1993 11h 07m 03.12± 1.35s						NEW BRITAIN REGION, P.N.G. (192)							
CIT	45.60	333	eP	04	36.00	1.0	44.517 N ± 8.1km 7.017 E ±14.3km						KVG	2.96	15	eP	43	26.30	0.0	
NANU	46.08	219	iPd	04	39.00	0.0	DEPTH = 10.0km (geophysicist)						PMG	4.84	216	eP	43	52.00	0.1	
	0.5s	9.00nm				5.0mb	NORTHERN ITALY (545)									eS	44	46.00		
GTA	46.99	312	Pd	04	46.20	-0.1	ML 2.0 (GEN).						CTA	14.99	194	eP	46	07.40	-0.1	
	1.5s	52.00nm				5.3mb	PZZ	0.06	102	P	07	05.62	0.1		1.0s	45.00nm		4.7mb		
Z	16s	0.29um				4.3MszX		S	07	07.63			WB2	20.97	225	iPc	47	15.80	-0.3	
		pP	04	58.50	45kmX		STV	0.35	141	P	07	10.06	-0.3		0.3s	8.20nm		4.6mb		
YAK	49.39	351	iPc	05	03.30	-1.2		S	07	15.14				e	47	32.10				
	0.9s	143.00nm				6.0mb	BHB	0.37	28	P	07	10.61	-0.1	ASPA	23.85	219	eP	47	44.70	0.4
ZAK	49.65	326	eP	05	06.30	-0.3		S	07	16.10				0.3s	9.10nm		4.7mb			
	1.0s	48.00nm				5.5mb	ENR	0.41	135	P	07	11.80	0.3	S.D. = 0.5 on 5 of 5 obs.						
MRWA	50.96	213	eP	05	15.00	-1.8		S	07	17.20			SEP 19, 1993 13h 05m 37.62± 0.44s							
TOO	51.05	179	iPd	05	19.00	1.6	RRL	0.44	338	P	07	12.12	0.0	43.420 N ± 8.5km 139.066 E ± 7.2km						
	0.5s	29.00nm				5.5mb		S	07	17.84			DEPTH = 19.7km (13 depth phases)							
BAL	51.71	211	eP	05	21.00	-1.5	S.D. = 0.3 on 5 of 5 obs.						4.6mb (21 obs.)							
LSA	51.84	297	Pd	05	24.60	0.4	& SEP 19, 1993 11h 24m 04.00s						EASTERN SEA OF JAPAN (223)							
	0.8s	84.00nm				5.8mb	50.180 N 120.355 W						MAT	6.90	186	eP	07	21.00	0.7	
GUN	56.34	294	P	05	56.80	-0.3	DEPTH = 10.0km (geophysicist)									(S)	08	24.00		
KKN	56.86	294	P	06	00.00	-0.7	BRITISH COLUMBIA, CANADA (23)						CN2	9.89	277	eP	08	01.00	-0.7	
WMQ	56.96	314	P	06	01.30	0.3	<PGC-P>. ML 3.7 (PGC), 3.8 (GS).						BJI	17.41	267	eP	09	42.00	1.2	
	1.2s	90.00nm				5.7mb	Felt at Kamloops and Merritt.							1.5s	150.00nm		4.9mb			
Z	20s	0.37um				4.5Msz	Felt as far east as Kelowna and						TIA	18.30	254	eP	09	52.20	0.3	
		pP	06	13.50	43kmX		Peachland.						YAK	19.43	347	eP	10	05.70	0.3	
		PP	08	04.00			PNT	0.99	151	P	24	21.60	-1.2		0.9s	60.00nm		4.9mb		
		PcS	10	52.00			VDB	1.62	225	ePn	24	32.13	-0.6	NJ2	19.55	241	Pd	10	05.40	-1.6
		ScS	15	42.50			HNB	1.70	239	ePn	24	33.23	-0.7	XAN	25.20	258	P	11	02.50	-0.9
DMN	57.01	294	P	06	00.80	-1.0		eSg	24	57.05				1.4s	8.30nm		4.2mb			
HYB	63.61	283	eP	06	45.40	-1.3	WFB	1.92	255	ePn	24	36.38	-0.6	FBA	44.80	35	eP	13	52.20	0.8
KSH	65.06	307	P	06	56.70	0.7		eSg	25	04.08				1.0s	15.50nm		4.9mb			
	1.0s	50.00nm				5.6mb	BIB	2.06	249	ePn	24	38.65	-0.4		pP	13	58.30	20km		
GBA	65.21	279	P	06	55.70	-1.3		ePg	24	40.97			KAF	61.84	331	eP	15	55.00	-2.2	
	0.8s	3.00nm				4.4mb		eSg	25	08.57			OBN	61.96	321	eP	15	57.00	-1.1	
FRU	66.25	311	iPd	07	04.00	0.6	MCW	2.21	228	ePn	24	40.52	-0.7		1.5s	35.00nm		5.3mb		
	1.8s	100.00nm				5.6mb		ePg	24	43.53				e	16	04.00	23km			
FBA	68.12	25	eP	07	09.84	-5.0X	SNB	2.31	234	eP	24	42.23	-0.5	WB2	63.20	185	eP	16	01.30	-5.3X
	0.9s	2.80nm				4.4mb		eSg	25	09.06				1.0s	3.80nm		4.5mb			
SVE	75.41	326	iPc	07	59.00	0.7	SHB	2.35	257	ePn	24	42.37	-1.0	NUR	63.50	330	eP	16	07.00	-1.2
ARU	76.56	325	eP	08	02.50	-2.3		ePg	24	46.28			RMW	64.87	48	eP	16	17.84	0.3	
	1.3s	100.00nm				5.7mb	MNB	2.37	31	Pn	24	42.10	-1.7	ASPA	66.92	185	eP	16	26.50	-4.1X
MAIO	78.24	305	eP	08	15.00	0.3	PGC	2.54	234	eP	24	45.03	-0.8		1.1s	7.10nm		4.7mb		
ASH	78.89	306	eP	08	19.50	1.4		eSg	25	21.66			HFS	67.55	334	eP	16	33.30	-1.0	
MCW	81.38	42 (P)		08	30.93	-0.3	VGZ	2.63	229	ePn	24	46.05	-1.1		0.6s	2.70nm		4.6mb		
GMW	81.63	43	eP	08	32.22	-0.2	DPW	2.71	148	ePnc	24	47.34	-1.1	NB2	67.62	335	P	16	33.20	-1.6
LGPM	82.93	50	eP	08	39.79	0.3		eSg	25	24.78				0.8s	1.40nm		4.2mb			
LBFM	83.53	49	eP	08	42.59	-0.1	NEW	2.86	131	ePn	24	49.44	-1.1	BONR	72.93	54 (P)		17	05.50	-2.2
ORV	84.21	51	eP	08	44.20	-1.7	RMW	2.89	200	ePn	24	49.98	-1.0	KSP	73.76	326	eP	17	12.60	0.7
ARN	84.68	53	eP	08	47.77	-0.6		ePg	24	51.92				e	17	18.90	20km			
NEW	85.18	42	eP	08	48.07	-2.5	MGB	3.06	249	eSg	24	53.13	-0.2	BW06	74.46	45	eP	17	15.55	-0.9
	0.9s	9.71nm				5.0mb		eP	24	54.67				0.8s	5.98nm		4.7mb			
CMB	85.41	52	eP	08	51.71	-0.3		eS	25	26.38				i	17	21.91	20km			
BONR	87.02	52	eP	09	00.77	0.5	GMW	3.08	212	eP	24	52.69	-0.9	BRG	74.68	327	iP	17	17.80	0.6
TNP	87.81	51 (P)		09	04.15	0.2	PFB	3.12	240	ePn	24	53.75	-0.4		i	17	23.90	20km		
	1.0s	8.35nm				5.0mb	CBB	3.23	269	ePn	24	55.27	-0.4	CLL	74.70	328	iP	17	17.40	0.1
GSC	88.89	54	ePc	09	09.53	0.5		ePg	25	01.22				0.9s	17.00nm		5.1mb			
OBN	88.90	327	eP	09	07.00	-1.5	BTB	3.42	260	ePn	24	58.20	-0.4	PRU	75.13	327	eP	17	20.60	0.8
	1.2s	22.00nm				5.4mb	LON	3.57	196	ePn	24	59.83	-0.7		e	17	25.90	17km		
		e	09	14.00				ePg	25	06.60			ULM	75.14	33	eP	17	22.00	2.1	
MCMT	88.99	44	eP	09	08.90	-0.6	BMW	4.17	208	eP	25	08.80	-0.4	DAU	75.23	48 (P)		17	19.88	-1.1
PEC	88.99	55	eP	09	09.00	-0.5	SHW	4.18	198	ePn	25	09.10	-0.3	MOX	75.76	329	eP	17	22.10	-1.3
	0.8s	14.80nm				5.4mb	WALA	4.34	103	Pn	25	10.40	-1.2	MSU	76.06	50	eP	17	25.90	0.2
HHAI	89.80	45 (P)		09	14.86	1.7		Lg	26	18.70			KHC	76.20	327	eP	17	27.50	1.5	
DUG	90.47	48	eP	09	16.03	-0.4	VGB	4.68	184	ePn	25	15.44	-0.9		1.4s	11.00nm		4.7mb		
	0.9s	4.02nm				4.7mb		eS	26	27.06				e	17	32.50	16km			
KAF	90.53	336	iP	09	14.80	-1.2	B													

GPD	31.23	28	eP	17	14.91	-1.9
GMTN	31.25	29	eP	17	20.80	3.8X
PNJ	31.28	29	i(P)	17	14.02	-3.2X
			PnPn	18	17.77	
			e	18	31.18	
			PcP	20	11.67	
TBR	31.44	28	eP	17	17.46	-1.2
PAL	31.47	29	eP+	17	19.33	0.4
	4.4s	6238.90nm				6.8mb X
			epP	17	25.22	21kmX
			iPnPn	18	19.58	
			ePP	18	24.73	
			ePcP	20	09.76	
			eScP	23	49.35	
			iSnSn	24	07.10	
			eSS	24	38.11	
			eScS	27	48.47	
BINY	31.53	25	eP	17	18.21	-1.3
	1.3s	69.14nm				5.4mb
Z	20s	109.92um				6.5Msz
BW06	31.58	337	ePc	17	19.30	-0.9
	1.3s	161.63nm				5.8mb
TNP	31.72	323	eP	17	21.47	0.0
	2.1s	231.07nm				5.7mb
BCH	31.76	316	eP	17	22.68	0.9
HVU	32.10	332	eP	17	24.54	-0.2
PKEM	32.28	317	(P)	17	26.23	0.1
BONR	32.28	321	eP	17	27.64	1.2
LSCT	32.32	29	P	17	40.00	13.6X
Z	19s	129.40um				6.6Msz
MEMM	32.49	320	eP	17	29.65	1.8
HMAI	33.15	334	eP	17	33.99	0.2
SAO	33.56	317	eP	17	37.24	0.0
	1.2s	55.99nm				5.4mb
Z	19s	33.83um				6.1Msz
CMB	33.62	320	iPc	17	37.64	-0.2
Z	19s	50.00um				6.3Msz
			iPP	19	09.64	
			eS	23	07.64	
			ePcS	23	31.64	
			eLQ	25	56.64	
			eLR	27	32.64	
HRV	33.75	30	P	17	50.00	11.2X
Z	18s	146.73um				6.7Msz
ARN	33.95	318	eP	17	40.34	-0.4
COE	33.99	317	eP	17	41.96	1.0
MHC	34.02	317	iPc	17	41.19	-0.2
Z	18s	56.00um				6.3Msz
			ePP	19	02.19	
			eS	23	09.19	
			iPcS	23	52.19	
			eLQ	26	34.19	
			eLR	28	15.19	
RSNY	34.07	24	ePd	17	40.23	-1.4
	1.3s	103.58nm				5.6mb
Z	20s	83.41um				6.5Msz
			e	18	06.14	
STAN	34.40	317	ePc	17	44.71	0.2
Z	19s	38.00um				6.2Msz
			ePP	18	59.71	
			eS	23	24.71	
			ePcS	23	42.71	
			eLQ	26	43.71	
			eLR	28	18.71	
MEMT	34.52	338	ePc	17	46.30	0.6
HMR	34.59	319	eP	17	47.59	1.5
PCC	34.59	317	iPc	17	27.58	-18.6X
Z	18s	29.00um				6.1Msz
			ePP	18	47.58	
			eS	22	51.58	
			eLQ	26	17.58	
			eLR	27	26.58	
MCMT	34.60	335	iPc	17	47.30	0.9
BGMT	34.61	336	ePc	17	47.20	0.7
BKS	34.71	318	ePc	17	48.09	0.9
Z	18s	57.00um				6.4Msz
			ePP	19	12.09	
			eS	23	20.09	
			ePcS	23	46.09	
			eLQ	26	55.09	
			eLR	28		

19d 14h

		eS	23	26.67		JAQ	41.72	16	eP	18	47.00	1.5	EKA	78.42	36	Pc	22	56.40	-0.9	
		ePcS	23	53.67		MCW	41.96	331	eP	18	47.32	-0.3		0.9s	35.10nm			5.4mb		
		eLQ	27	00.67		STW	42.00	330	P	18	49.09	1.2	KDS	78.50	80	iPd	22	59.00	0.6	
		iLR	28	31.67		SIV	43.88	132	P	19	02.50	-1.1	LABG	78.66	81	P	23	01.64	2.1	
NTYM	35.28	318	eP	17	53.36	1.4	FCC	44.32	359	eP	19	09.50	2.9	EVAL	78.72	54	eP	22	58.50	-0.8
HBMT	35.30	336	iPc	17	52.70	0.3	YJA	45.41	143	e(P)	19	17.00	0.6	EPLA	78.83	51	eP	22	58.80	-1.1
BUT	35.47	337	eP	17	55.30	1.6	HJA	46.27	143	ePd	19	24.00	1.4	AVE	78.90	58	iP	22	59.50	-0.9
MIN	35.78	322	iPc	17	55.70	-0.7	CYA	50.21	148	ePd	19	52.30	-0.9	KBS	78.90	11	eP	23	01.00	1.5
	Z	19s	66.00um		6.4Msz		YKA	50.39	347	eP	19	53.00	-1.1	MAMG	79.23	82	P	23	04.44	1.9
		ePP	19	26.70				0.9s	171.20nm			6.0mb		TIO	79.44	61	iPd	23	02.50	-1.1
		eS	23	26.70		PEL	51.95	156	eP	20	08.00	1.6	PAB	80.23	52	eP-	23	06.70	-0.8	
		ePcS	23	58.70		FRB	52.26	14	ePc	20	08.30	0.1			iS	33	34.00			
		eLQ	26	18.70				0.9s	49.00nm			5.4mb			iPS	34	27.00			
		eLR	27	30.70		SIT	53.13	333	P	20	20.00	5.2X	SMY	80.26	322	P-	23	15.40	8.2X	
		ePc	17	56.40	0.1		Z	20s	15.95um			6.1Msz			19s	6.64um			6.0Msz	
HRY	35.78	338	ePc	17	56.40	0.1	TCA	53.16	149	ePd	20	13.70	-1.8	TGT	80.69	57	eP	23	09.00	-1.0
ULM	35.85	357	eP	17	57.00	0.3	BAO	53.82	122	Pd	20	20.20	-0.4	LPF	80.98	43	eP	23	09.70	-1.5
WDC	36.49	321	eP	17	59.95	-2.3	BDF	53.90	122	Pd	20	18.81	-2.4		1.0s	25.00nm			5.2mb	
		1.3s	31.90nm		5.0mb			2.0s	3.30nm			4.0mb X	ECRI	81.02	48	eP	23	10.16	-1.5	
	Z	19s	20.84um		5.9Msz				i	20	29.49		GRR	81.03	42	eP	23	10.20	-1.2	
WDC	36.49	321	ePc	18	04.21	2.0			i	21	46.68			1.1s	50.30nm			5.5mb		
	Z	19s	40.00um		6.2Msz				i	25	22.10		FLN	81.20	42	eP	23	11.20	-1.1	
		iPP	19	36.21										1.2s	56.85nm			5.5mb		
		eS	23	50.21		RFA	54.27	155	ePc	20	22.80	-0.8	ECOG	81.26	54	eP	23	12.50	-0.6	
		eS	26	36.21		PPD	54.82	131	eP	20	25.80	-2.0	EGUA	81.35	54	eP	23	12.86	-0.5	
		eLQ	27	23.21		RSTA	58.06	132	(P)	20	43.00	-7.9X	LDF	81.47	42	eP	23	12.40	-1.3	
		eLR	28	45.21		CACB	58.07	127	eP	20	49.40	-1.7		1.1s	56.40nm			5.5mb		
LBFM	36.57	323	eP	18	02.78	-0.4			e	20	55.70		ETOR	81.71	50	eP	23	14.99	-0.3	
LGPM	36.86	322	eP	18	05.87	0.4			eS	28	54.30		EVIA	81.81	52	eP	23	14.48	-1.4	
YBH	37.29	323	ePc	18	06.52	-2.6	BALM	58.35	334	ePc	20	52.24	-0.3	BER	81.87	30	eP	23	16.00	0.5
	Z	19s	61.00um		6.4Msz		VAO	58.63	129	e(P)	21	02.00	7.0X	MFF	81.87	44	eP	23	14.50	-1.3
		ePP	19	35.52					e(Pp)	21	09.00	23kmX		1.1s	20.50nm			5.1mb		
		eS	23	54.52					e(Sp)	21	15.00		EHUE	81.91	53	eP	23	16.10	-0.3	
		iPcS	24	20.52					e(PcP)	21	45.00		MOL	82.31	27	eP	23	19.30	1.5	
		iSS	26	51.52		INK	59.73	344	eP	21	01.50	-0.4	ENIJ	82.39	54	eP	23	19.16	0.3	
		eLQ	27	55.52				1.1s	78.00nm			5.8mb	EGRA	82.70	48	eP	23	22.22	2.0	
		eLR	29	02.52		KLU	60.09	334	eP	21	03.83	-0.7	ECHE	82.78	51	eP	23	20.60	-0.2	
KMPM	37.36	320	eP	18	10.53	0.9	GDH	60.28	15	iPc	21	05.00	-0.6	LFF	82.84	46	eP	23	19.90	-1.0
ARE	37.46	144	eP	18	15.00	4.1X		0.7s	24.66nm			5.4mb		0.7s	21.70nm			5.4mb		
FHC	37.50	321	eP	18	12.14	1.4	RES	60.32	360	ePc	21	05.80	0.0	EPF	82.98	48	eP	23	20.80	-1.0
	1.6s	1014.76nm			6.4mb			0.9s	60.00nm			5.7mb		1.4s	58.40nm			5.5mb		
ARC	37.60	321	ePc	18	11.89	0.4	TOA	60.47	334	eP	21	07.00	-0.1	LSF	83.08	44	eP	23	20.60	-1.6
	Z	18s	45.00um		6.3Msz		PMR	61.51	333	eP	21	12.74	-1.3		0.8s	10.50nm			5.1mb	
		ePPd	19	50.89				1.4s	166.97nm			6.0mb	LPO	83.20	46	eP	23	21.60	-1.2	
		eS	24	03.89				Z	19s	14.01um		6.1Msz	RJF	83.29	45	eP	23	22.00	-1.3	
		ePcS	24	26.89		PMS	61.56	333	P	21	14.10	-0.4	TCF	83.53	44	eP	23	23.00	-1.5	
		eLQ	28	57.89		SLKM	61.57	332	eP	21	13.13	-1.4		1.1s	20.50nm			5.2mb		
		eLR	30	23.89		HON	61.60	287	P	21	20.00	4.7X	EROQ	83.53	50	eP	23	24.60	0.0	
LNOR	37.79	331	P	18	12.74	-0.4		Z	19s	8.20um		5.9Msz	HYF	83.57	43	eP	23	23.50	-1.2	
VIPM	37.96	328	P	18	14.88	0.1	KDC	61.68	328	eP	21	14.67	-0.6	EBR	83.60	50	eP	23	24.00	-0.9
LMQ	38.22	25	eP	18	16.00	-0.7		1.3s	35.33nm			5.4mb	CAF	83.75	45	eP	23	24.40	-1.3	
	1.1s	16.00nm			4.7mb X		FBA	62.41	337	eP	21	18.19	-1.9	MAF	83.78	44	eP	23	24.30	-1.5
JBO	38.24	329	P	18	16.89	0.0		1.3s	98.46nm			5.8mb		1.1s	32.70nm			5.5mb		
CROR	38.48	328	P	18	18.11	-0.9	CRP	62.73	332	eP	21	20.92	-1.5	UCC	83.79	39	P	23	27.00	1.4
CBM	38.70	28	P	18	30.00	9.3X	CP2	62.77	332	eP	21	21.71	-1.0		S	34	02.00			
	Z	21s	18.98um		5.9Msz		MBC	63.40	353	iPc	21	26.60	0.2	SNF	83.81	40	P	23	26.00	0.2
VGB	38.74	329	eP	18	21.96	0.8		1.1s	1193.00nm			7.0mb X	BGF	83.89	44	eP	23	24.90	-1.4	
VBEM	38.84	328	P	18	23.21	1.1			PcP	21	52.60			0.9s	37.00nm			5.6mb		
WAH2	39.04	331	P	18	23.75	0.2			PP	23	44.30		DBN	83.94	38	eP+	23	23.00	-3.3X	
NEW	39.11	335	eP	18	22.99	-1.2			PPP	25	32.20			Z	20s	22.50um			6.5Msz	
	1.0s	122.41nm			5.6mb				PPS	30	39.70				eS	34	03.00			
	Z	18s	42.89um		6.3Msz				SS	34	20.60				ePS	34	57.00			
SSOR	39.16	327	P	18	24.54	-0.2			SSS	37	15.40				eSS	39	13.00			
DPW	39.27	333	eP	18	25.34	-0.2			PKKP	42	20.40				eSSS	43	20.00			
LPAP	39.33	140	P	18	22.30	-4.7X	SVW	64.26	331	ePc	21	30.17	-2.2	DOU	84.11	40	Pc	23	29.00	1.7
		i	18	26.70				1.1s	65.89nm			5.7mb	TRO	84.12	19	eP	23	25.30	-1.7	
		i	20	12.20		TTA	65.00	333	eP	21	35.48	-1.7	KONO	84.13	30	eP	23	23.76	-3.4X	
		LR	30	24.00				1.2s	56.13nm			5.6mb	AVF	84.17	43	eP	23	26.00	-1.7	
LMN	39.52	32	eP	18	25.50	-2.0	SDN	65.35	325	P	21	50.00	10.6X		0.9s	17.05nm			5.3mb	
LPB	39.54	140	eP	18	25.00	-3.5X		Z	21s	1.65um		5.2MszX	SSF	84.20	43	eP	23	26.30	-1.5	
	Z	21s	36.56um		6.2Msz		DAG	72.58	13	iPd+	22	24.20	0.4		1.0s	33.40nm			5.5mb	
		S	24	37.00				1.2s	284.38nm			6.2mb	NAO	84.33	29	P	23	29.07	0.8	
		LR	31	13.00				Z	15s	54.67um		7.0MszX	LOR	84.38	43	eP	23	27.40	-1.4	
ASR	39.59	329	P	18	29.15	0.8	MBO	73.61	79	eP	22	34.60	3.8X		Z	18s	16.00um			6.4Msz
EBG	39.63	331	P	18	29.23	0.7	ADK	74.76	320	P	22	39.10	2.3	NB2	84.44	28	P	23	28.40	-0.4
SAW	39.67	332	P	18	29.07	0.3		1.4s	62.50nm			5.4mb		0.9s	68.30nm			5.9mb		
CNCB	39.82	140	P	18	22.00	-9.0X	ADK	74.76	320	(P)	22	36.01	-0.8	SMF	84.53	43	eP	23	27.80	-1.7
		i	18	31.80				1.4s	79.54nm			5.6mb		0.8s	10.05nm			5.1mb		
WTV	39.92	332	P	18	31.01	0.1	ILT	75.06	337	iPc	22	42.00	3.7X	LBF	84.53	43	eP	23	28.00	-1.6
SHW	39.95	328	eP	18	32.56	1.3			i	25	34.00			0.9s	11.80nm			5.1mb		
LON	40.12	329	eP	18	32.44	-0.1			iS	32	20.00		WIT	84.62	37	eP	23	32.50	2.7	
FMW	40.18	330	P	18	33.7															

ENN	84.75	39 eP	23 30.50	0.0		Z	18s	25.00um	6.7Msz			e	24 35.60		
	0.8s	44.00nm		5.7mb				e	34 33.00		TRI	91.36	42 e(P)	24 02.50	0.2
MUD	84.92	33 iP	23 32.80	1.6		VDL	88.29	42 Pd	23 48.70	0.5			e	24 56.00	
	1.5s	101.00nm		5.8mb		PCP	88.30	44 P	23 47.64	-0.5			e(PP)	27 48.00	
WTS	84.94	38 eP	23 32.50	1.1		GRF	88.32	39 ePc	23 48.20	0.2			e(S)	35 16.00	
	1.0s	65.40nm		5.8mb			2.1s	242.00nm		6.2mb			e(SP)	36 20.00	
ETER	84.96	48 eP	23 31.93	0.2		Z	22s	16.00um		6.4Msz			e(SS)	41 28.00	
WLF	85.20	40 iPc	23 33.78	1.0		BRNL	88.60	36 ePc	23 49.00	-0.2			e	45 28.00	
SSB	85.36	45 P	23 32.72	-1.0				eS	34 29.00		ASS	91.60	45 P	24 03.72	0.2
BNS	85.45	39 iPc	23 35.15	1.1		OSS	88.66	42 ePd	23 50.30	0.3		1.2s	33.70nm		5.6mb
	Z	17s	39.00um	6.9MszX		CLL	88.80	37 ePd	23 50.00	-0.3	ARV	91.63	44 P	24 04.50	0.8
		iS	34 06.00				3.2s	350.00nm		6.1mb X		2.9s	664.20nm		6.5mb
VITF	85.50	41 P	23 34.75	0.4		Z	19s	19.50um		6.5Msz	VRAC	91.71	38 iPc	24 04.90	1.1
ESEL	85.63	50 eP	23 36.60	1.4				eS	34 31.00			4.1s	1018.60nm		6.5mb X
HAU	85.80	42 eP	23 34.70	-1.2		BOB	88.83	44 P	23 52.13	1.4			e	24 09.40	
	0.9s	44.70nm		5.7mb			1.7s	158.70nm		6.0mb			S	34 52.70	
	Z	19s	15.50um	6.4Msz		FUR	88.88	40 eP	23 52.50	1.7	LJU	91.73	42 eP	24 04.70	0.7
HFS	85.91	29 eP	23 36.10	0.0		MOTA	89.06	41 iPd	23 53.10	1.3			e	24 10.00	
	1.5s	86.00nm		5.7mb			2.3s	282.00nm		6.2mb			e	24 20.50	
	Z	19s	22.18um	6.6Msz		PET	89.13	325 eP	23 55.00	3.2X			eS	34 38.50	
		LR	54 30.00			Z	20s	8.60um		6.2Msz			e	36 14.00	
BSF	86.13	42 eP	23 36.20	-1.4				e	27 24.00				ePKKS	45 04.00	
	1.5s	124.85nm		5.9mb		SQTA	89.17	41 iPd	23 53.30	1.0	VKA	91.97	39 iPc	24 05.20	0.1
ECH	86.26	41 P	23 37.61	-0.5			3.1s	437.00nm		6.2mb X		5.0s	1866.00nm		6.7mb X
CDF	86.27	41 eP	23 37.00	-1.3		OGA	89.17	42 iPd	23 54.00	1.6		Z	20s	10.40um	6.3Msz
	1.0s	52.20nm		5.7mb		PGF	89.24	46 eP	23 51.00	-1.7			LR	04 10.00	
LOMF	86.30	42 P	23 38.15	-0.3			1.1s	51.75nm		5.7mb	RDP	92.11	46 P	24 08.19	2.2
WLS	86.32	41 P	23 38.48	0.0		SAL	89.27	43 P	23 54.20	1.6		0.6s	25.10nm		5.8mb
MOF	86.35	42 P	23 38.37	-0.3			1.2s	222.80nm		6.3mb	RAC	92.32	37 iP	24 08.50	1.9
LANF	86.44	40 P	23 39.03	0.1		WATA	89.36	41 iPd	23 54.40	1.2			eS	34 55.00	
HOFF	86.55	40 P	23 40.00	0.5		WTTA	89.42	41 iPd	23 54.90	1.3	SOP	92.35	39 eP	24 07.00	0.2
RSL	86.65	44 P	23 39.30	-1.0			2.9s	354.00nm		6.1mb	VBY	92.40	42 eP	24 08.50	1.4
BBS	86.71	42 P	23 40.00	-0.4		BRG	89.52	37 iPd	23 55.10	1.4	ZST	92.47	39 iP	24 08.40	1.0
EMS	86.74	43 Pd	23 42.20	1.4			3.0s	340.00nm		6.1mb	PTJ	92.70	41 eP	24 09.80	1.2
TIC	86.74	84 P	23 41.74	0.6		Z	18s	27.00um		6.7Msz	ZAG	92.75	41 ePc	24 08.50	-0.2
	0.9s	33.00nm		5.6mb		N	18s	8.20um			SDI	92.89	46 P	24 10.42	0.9
LPL	86.77	44 eP	23 40.30	-0.7		E	18s	22.00um				1.8s	107.50nm		6.0mb
	1.3s	87.00nm		5.8mb				e	24 33.00		OJC	93.19	36 eP	24 11.80	1.1
LPG	86.79	44 eP	23 40.70	-0.5				iS	34 38.00			1.2s	45.00nm		5.8mb
	1.5s	182.80nm		6.1mb				eP'P'	49 42.00				i	24 16.00	
LIC	86.84	84 P	23 42.20	0.7		WET	89.53	39 iPd	23 55.80	2.0			iS	34 50.20	
	1.1s	97.00nm		5.9mb		Z	20s	20.00um		6.5Msz	DUI	93.36	46 P	24 13.11	1.4
BNI	86.87	44 P	23 42.58	1.2		TIK	89.65	348 iPc+	23 54.00	0.1		4.2s	1084.20nm		6.6mb X
	1.7s	136.40nm		5.9mb				i	27 30.00		SRO	93.37	39 iP	24 13.90	2.4
COP	86.90	33 eP+	23 41.00	0.0				ePPP	29 34.00		PUL	93.39	25 ePc	24 11.00	-0.4
		eSKS	34 12.00					e	34 26.00			1.4s	130.00nm		6.2mb
FEL	86.91	41 P	23 41.23	-0.2		CTI	89.86	42 P	23 55.70	0.1	Z	17s	16.00um		6.5MszX
RRL	86.99	44 P	23 42.20	0.2			2.4s	210.50nm		6.0mb	N	17s	13.00um		
DIX	87.06	43 iPd	23 43.10	0.7		KHC	89.96	39 eP	23 57.00	1.1	E	17s	8.50um		
LSD	87.08	44 P	23 42.70	0.2			1.2s	20.00nm		5.2mb			e	24 28.00	
KIC	87.08	84 eP	23 43.32	0.6		Z	22s	21.60um		6.5Msz			e	28 00.00	
	1.2s	88.00nm		5.9mb		N	24s	7.30um					e	34 45.00	
LRG	87.12	46 eP	23 41.40	-1.0		E	22s	12.60um					e	37 14.00	
	1.1s	69.35nm		5.8mb				e	24 36.00		SPC	93.91	37 i(P)	24 15.90	1.6
	Z	19s	15.32um	6.4Msz				e	25 22.00		UZD	94.06	40 e(P)	24 15.00	0.3
RSP	87.24	44 P	23 43.43	0.3				eS	34 40.00		SGO	94.38	46 P	24 17.21	0.9
SLE	87.25	41 ePd	23 42.70	-0.3		BHG	90.05	40 eP	23 57.60	1.3		1.1s	12.90nm		5.3mb
LMR	87.26	46 eP	23 41.90	-1.2		GEC2	90.14	39 P	23 57.10	0.3	MGR	94.71	47 P	24 17.76	-0.1
	1.6s	139.90nm		6.0mb			0.9s	7.25nm		4.9mb		2.3s	344.00nm		6.4mb
ZLA	87.27	42 ePc	23 42.30	-0.8				e	24 01.70		UZH	95.37	37 ePc+	24 21.50	0.8
FRF	87.29	46 eP	23 42.10	-1.1				e	28 47.30			1.6s	175.00nm		6.2mb
	1.6s	205.85nm		6.1mb		PRU	90.21	38 P	23 58.20	1.3	Z	19s	24.50um		6.7Msz
PZZ	87.32	45 P	23 44.03	0.5			3.3s	496.00nm		6.2mb X	N	19s	8.20um		
BHB	87.33	44 P	23 43.34	-0.1		Z	19s	18.00um		6.5Msz	E	19s	30.00um		
MMK	87.44	43 iPd	23 45.20	1.0			N	16s	10.60um				e	24 38.00	
STV	87.56	45 P	23 45.81	1.2		E	15s	8.50um					eS	35 29.00	
ORX	87.58	44 P	23 44.30	-0.4				PS	34 35.40				iSP	37 00.00	
ORO	87.58	44 P	23 46.36	1.7				iS	36 05.10				eSS	41 55.00	
	0.6s	26.70nm		5.7mb		FIR	90.39	45 iPd	24 04.00	6.1X	MNK	95.50	31 eP	24 20.00	-1.1
SDF	87.60	20 iP	23 44.30	0.0				iS	34 36.00				e	28 16.00	
ENR	87.63	45 P	23 45.54	0.6		KAF	90.44	24 iP	23 57.50	-0.3			ePS	36 54.00	
SBF	87.75	45 eP	23 44.00	-1.5			0.9s	43.40nm		5.7mb			eSSS	45 40.00	
UPP	87.83	28 iP	23 46.10	0.7		KBA	90.58	41 iPc	23 58.40	-0.5	BRT	95.57	46 P	24 23.86	2.0
		iSKS	34 25.00				3.0s	467.00nm		6.2mb		1.1s	63.50nm		6.0mb
		iS	34 42.00					i	24 00.20		LVV	95.78	35 iP	24 23.00	0.4
ROB	87.91	45 P	23 46.23	0.0		NUR	90.62	26 iP	23 58.00	-0.6	Z	19s	61.60um		7.1Msz
TMA	88.02	43 ePd	23 48.10	1.2		PGD	90.67	44 P	23 59.93	0.5	N	19s	16.80um		
VAI	88.03	43 P	23 46.58	-0.1			1.3s	2.40nm		4.3mb X	E	19s	37.20um		
	4.4s	3839.00nm		7.0mb X		KMR	90.70	40 iP+	23 59.20	-0.1			i	24 29.00	
IMI	88.04	45 P	23 47.64	0.7		SFI	90.74	44 P	23 59.79	0.3	BZS	96.39	40 eP	24 40.00	14.6X
CKI	88.15	45 P	23 47.27	-0.1			1.7s	204.50nm		6.2mb	YAK	96.70	341 eP	24 26.00	-0.6
	1.9s	334.10nm		6.3mb		KSP	90.90	37 ePd	24 01.20	1.1		2.0s	77.00nm		5.9mb
FIN	88.17	45 P	23 46.73	-0.7				e	27 31.00				e	28 23.00	
MOX	88.22	38 eP	23 48.80	1.2		RSM	91.15	44 P	24 03.16	1.8			ePS	37 07.00	
	2.0s	147.00nm		6.0mb			2.3s	726.30nm		6.6mb	OHR	97.92	44 eP	24 32.50	0.0
						VOY	91.32	42 eP	24 03.20	0.9	SKO	97.96	43 eP	24 31.00	-1.6

MAIO	123.45	26	ePKP	29	53.00	-1.4
LSZ	123.60	99	iPKP	29	55.00	-0.3
			i	31	36.00	
SEK	123.76	115	ePKP	29	52.50	-2.9
	1.2s		20.00nm			
SSE	123.94	324	ePKP	29	50.00	-5.4X
Z	20s		12.40um			6.6Msz
N	16s		4.20um			
E	16s		3.80um			
			PP	31	40.00	
SLR	124.37	111	ePKP	29	53.00	-3.6X
	1.5s		30.00nm			
Z	18s		43.30um			7.2Msz
NJ2	124.50	327	ePKP	29	54.00	-2.4
Z	20s		3.85um			6.1Msz
N	15s		3.39um			
E	17s		3.41um			
			PP	31	43.50	
MAW	124.57	169	ePKP	29	55.10	-0.3
	0.9s		3.60nm			
Z	17s		4.60um			6.2MszX
			ePKP	30	03.40	
			ePP	31	58.40	
			eSKKS	38	40.40	
			ePS	41	45.10	
			eSKKP	43	13.50	
			eSS	48	58.10	
GTA	125.12	348	Pdiff	26	36.00	2.1
GTA	125.12	348	ePKP	29	56.50	-1.1
N	16s		7.49um			
E	18s		20.80um			
			pPKP	31	04.50	
			SKKS	38	30.00	
			SS	48	38.00	
KSH	125.54	10	PKP	29	59.50	1.0
Z	25s		20.00um			6.7MszX
N	16s		17.40um			
E	16s		11.80um			
			sPKP	30	14.00	
			eSKS	37	06.00	
STK	127.12	241	ePKP	29	59.70	-1.8
	1.0s		3.30nm			
LZH	127.26	343	ePdiff	26	42.00	-1.6
LZH	127.26	343	PKP	30	02.00	0.1
Z	22s		18.16um			6.7Msz
N	18s		11.57um			
			PP	32	00.00	
			i	33	25.00	
			PPP	34	48.00	
			eSKS	37	10.00	
XAN	127.41	337	PKP	30	01.40	-0.7
Z	20s		15.00um			6.7Msz
N	17s		11.40um			
E	17s		7.43um			
			PP	32	06.00	
			SKS	37	00.00	
			SS	49	12.00	
WHN	128.01	329	ePKP	30	02.00	-1.2
Z	20s		12.40um			6.6Msz
N	18s		10.40um			
E	20s		7.02um			
			PP	32	07.00	
NAI	129.04	80	iPKPd	30	11.90	5.9X
Z	20s		3.30um			6.0Msz
			iPKS	33	44.00	
			iPPP	42	32.00	
			eSKKS	45	14.00	
QZH	130.05	321	PKP	30	10.00	2.7
Z	19s		11.40um			6.6Msz
N	18s		5.96um			
			PP	32	16.00	
CD2	132.09	340	PKP	30	10.20	-0.9
Z	29s		9.82um			6.4MszX
E	17s		5.88um			
			PP	32	37.00	
			SS	50	10.00	
WB5	134.21	256	ePKP	30	22.50	7.1X
WB2	134.22	256	ePKP	30	12.10	-3.3X
	0.8s		1.90nm			
GZH	134.54	325	PKP	30	18.00	2.2

19d 14h

			ePKS	33	43.30				DAG	73.04	13	eP	27	14.80	-0.2	LOR	84.53	43	eP	56	33.70	0.9
			ePKKP	42	17.90				TCF	84.03	44	eP	28	15.20	-0.3		0.8s	3.35nm			4.6mb	
BAG	134.65	311	ePKP	30	16.80	0.3				0.8s	4.15nm			4.7mb		SMF	84.68	43	eP	56	33.20	-0.4
			e	32	48.80				MAF	84.28	44	eP	28	16.50	-0.3		0.7s	4.65nm			4.8mb	
GYA	135.01	334	PKP	30	17.00	0.1				1.3s	11.20nm			4.9mb		HAU	85.95	42	eP	56	40.10	0.2
	Z	20s	13.60um			6.7Msz			BGF	84.39	44	eP	28	16.90	-0.4	BSF	86.29	42	eP	56	41.70	0.0
	N	20s	9.12um							0.9s	10.50nm			5.0mb			0.9s	6.40nm			4.9mb	
	E	20s	4.82um						AVF	84.67	43	eP	28	18.20	-0.5	CDF	86.42	41	eP	56	42.40	0.1
			SKKS	39	36.00					0.9s	5.40nm			4.7mb			1.0s	7.20nm			4.9mb	
DAV	135.92	296	ePKP	30	20.00	1.3			SSF	84.70	43	eP	28	18.50	-0.3	TIC	86.86	84	P	56	45.07	0.1
LSA	135.98	354	PKPd	30	19.60	0.5				0.9s	7.85nm			4.9mb			1.1s	13.50nm			5.1mb	
	Z	20s	14.20um			6.7Msz			LOR	84.88	43	eP	28	19.60	-0.2	LPL	86.93	44	eP	56	45.80	0.8
	N	20s	7.37um						NB2	84.93	28	P	28	20.10	0.3	LPG	86.95	44	eP	56	46.00	0.8
			PP	32	54.00					0.9s	21.10nm			5.3mb		LIC	86.96	84	P	56	45.59	0.2
NDI	136.24	12	ePKP	30	18.00	-1.0			LBF	85.03	43	eP	28	20.10	-0.5		1.3s	32.50nm			5.4mb	
CRZF	136.75	145	ePKP	30	12.00	-7.4X			HAU	86.30	42	eP	28	26.80	0.0	KIC	87.20	84	P	56	46.73	0.1
			iPP	33	12.00				HFS	86.40	29	ePKP	28	25.90	-1.1		1.0s	19.50nm			5.3mb	
			eSP	43	21.00					0.4s	1.30nm			4.5mb		CHTO	144.95	339	ePKP	03	36.10	-1.9
			iSS	51	24.00				BSF	86.64	42	eP	28	28.30	-0.3	BDT	146.38	338	ePKP	03	39.00	-1.4
KMI	137.74	338	PKP	30	21.00	-1.2				0.9s	9.00nm			5.0mb		HYB	147.55	14	ePKP	03	43.70	1.4
	Z	20s	22.40um			6.9Msz			CDF	86.77	41	eP	28	29.00	-0.2	GBA	150.88	18	PKPd	03	53.40	5.9X
	N	20s	15.70um							1.0s	9.40nm			5.0mb			0.6s	9.00nm				
	E	19s	8.30um						LIC	87.18	84	P	28	32.20	0.5	S.D. = 1.0 on 38 of 42 obs.						
			PP	33	12.00					1.0s	18.00nm			5.3mb		* SEP 19, 1993 14h 44m 11.26± 1.92s						
			PKS	34	00.00				LPL	87.27	44	eP	28	32.40	0.5	15.555 S ± 8.4km 167.601 E ± 12.2km						
			SS	51	12.00					1.4s	14.40nm			5.0mb		DEPTH = 130.7 ± 15.9 km						
GUN	137.97	1	PKP	30	19.80	-3.0			LPG	87.29	44	eP	28	32.60	0.5	4.9mb (12 obs.)						
DMN	138.25	2	PKP	30	20.40	-2.8				1.0s	6.60nm			4.8mb		VANUATU ISLANDS (186)						
QIZ	139.73	325	PKP	30	23.00	-2.7			KIC	87.43	84	eP	28	33.62	0.7	DZM	6.57	189	iPc	45	47.10	0.2
	N	17s	3.77um							0.8s	11.00nm			5.2mb				iS		47	01.20	
	E	17s	4.55um						HYB	147.88	14	ePKP	35	30.50	2.5X	HNR	9.64	308	eP	46	28.00	0.0
			PP	33	20.50				GBA	151.22	18	PKP	35	36.60	3.5X	CTA	20.81	254	iPd	48	45.10	1.1
			SS	51	32.00					0.9s	3.00nm						0.7s	219.86nm			5.7mb	
PAF	142.59	162	ePKP	30	34.00	4.2X			S.D. = 0.8 on 31 of 33 obs.						ARMA	20.82	222	eP	48	46.00	1.8	
TSM	143.94	299	ePKPd	30	31.80	-1.4			? SEP 19, 1993 14h 28m 31.29± 3.02s						PMG	20.86	285	eP	48	45.00	0.5	
KKM	144.37	303	ePKP	30	34.00	-0.1			40.442 N ± 19.9km 27.415 E ± 21.4km						MOZ	23.73	166	eP	49	14.30	1.9	
CHTO	144.89	340	ePKPc	30	32.40	-2.3			DEPTH = 10.0km (geophysicist)						URZ	24.12	161	P	49	16.30	0.2	
	1.0s	70.75nm						TURKEY (366)						MNG	25.90	166	P	49	31.20	-1.5		
POO	144.95	22	iPKPc	30	35.50	0.7			ML 2.7 (ISK).					PGZ	26.09	165	P	49	33.20	-1.2		
LOE	145.11	334	iPKPc	30	33.00	-2.1								LTZ	27.43	173	P	49	46.00	-0.6		
			e	35	24.00				EDC	0.36	105	iPg	28	38.50	-0.1		0.7s	73.00nm			5.4mb	
BDT	146.32	338	ePKP	30	36.00	-1.1			MFT	0.36	344	ePg	28	38.70	0.0	STK	28.72	231	eP	49	58.40	0.1
	0.8s	192.10nm							KCT	0.74	105	ePg	28	46.00	0.1		0.5s	5.40nm			4.5mb	
NST	147.33	335	iPKPc	30	41.00	2.3										WB2	31.93	257	eP	50	25.10	-1.6
HYB	147.42	15	ePKP	30	38.70	-0.2			CTT	1.04	47	ePn	28	51.00	0.0		0.6s	6.70nm			4.6mb	
	1.0s	140.00nm							S.D. = 0.2 on 4 of 4 obs.									iPcP		53	12.80	
			ePP	34	08.00				SEP 19, 1993 14h 44m 01.70± 0.42s							ASPA	32.69	250	iPd	50	32.30	-1.0
PCT	147.67	333	ePKP	30	33.00	-6.3X			14.257 N ± 7.6km 93.440 W ± 6.5km									eS		55	17.70	
MBL	147.75	253	ePKP	30	40.00	0.7			DEPTH = 33.0km (normal)								0.6s	31.20nm			5.3mb	
	1.0s	66.00nm						4.8mb (11 obs.)										ePP		50	54.30	
MEEK	147.78	243	ePKP	30	41.00	1.7			NEAR COAST OF CHIAPAS, MEXICO (69)							MAT	58.78	332	eP	53	56.00	-1.9
BAL	148.02	235	ePKP	30	31.00	-8.5X										CSY	62.90	202	eP	54	24.00	-1.3
KHT	148.73	337	iPKPc	30	43.90	2.9X			TPX	1.31	60	iP	44	24.00	0.2		0.6s	16.20nm			5.1mb	
MRWA	149.13	237	ePKP	30	46.50	5.2X			SCX	2.58	17	iP	44	44.00	1.9	MDJ	69.15	332	eP	55	05.20	-0.1
NNT	150.26	334	ePKP	30	48.20	4.9X										CN2	70.51	329	eP	55	13.20	-0.4
GBA	150.75	19	PKP	30	43.70	-0.3			OXX	4.23	312	eP	45	05.00	-0.7		0.8s	5.70nm			4.5mb	
	0.9s	4.00nm							LUVUM	6.16	333 (P)	45	27.00	-5.8X	BJI	73.10	321	eP	55	28.50	-0.5	
KOD	153.91	21	ePKP	30	49.20	0.2			IIT	6.65	316 (P)	45	44.00	4.1X	TIY	74.08	317	eP	55	35.00	0.2	
			ePP	34	48.00				ACX	6.71	294 (P)	45	43.00	2.5	XAN	74.48	313	P	55	36.80	-0.4	
IPM	156.41	322	ePKP	30	52.10	0.0			PPM	6.90	315	eP	45	44.00	0.4		0.8s	6.90nm			4.5mb	
	S.D. = 1.2 on 393 of 460 obs.								IIA	6.98	315	iP	45	45.50	1.3	SPA	74.54	180	iPc	55	36.90	-0.3
* SEP 19, 1993 14h 15m 46.87± 0.67s									UNM	7.46	313 (P)	45	45.50	-5.9X		0.7s	62.50nm			5.5mb		
13.964 N ± 11.9km 93.645 W ± 8.0km									CRX	7.87	311 (P)	45	56.00	-1.1	KMI	75.01	302	eP	55	41.00	0.3	
DEPTH = 33.0km (normal)									MRX	9.18	307 (P)	46	15.00	0.1		1.6s	50.00nm			5.0mb		
4.9mb (15 obs.)									LTX	17.74	329	eP	48	07.60	-0.3	CD2	76.76	308	eP	55	50.40	0.2
OFF COAST OF CHIAPAS, MEXICO (68)									UYO	19.84	358	iPd	48	30.20								

19d 15h

GEC2	1.0s	3.50nm				ENSF	150.73	341	PKP	03	50.38	6.5X	SGS	22.13	30	eP	38	13.19	10.5X		
	140.52	333	PKP	03	19.90	-7.0X	EGRA	151.49	341	ePKP	03	51.20	6.4X	MYNC	22.27	20	eP	38	04.13	0.0	
			e	03	25.80		ECRI	151.73	344	ePKP	03	52.50	7.2X		0.7s	14.46nm			4.5mb		
			e	03	31.90		S.D. = 1.1 on 64 of 86 obs.														
SKO	140.76	319	ePKP	03	15.00	-12.4X	% SEP 19, 1993 15h 05m 32.80± 0.75s														
			i	03	27.00		44.437 N ± 6.4km 7.292 E ± 8.2km														
							DEPTH = 10.0km (geophysicist)														
							NORTHERN ITALY (545)														
OHR	141.63	318	ePKP	03	23.50	-5.5X	ML 1.9 (GEN).														
	142.78	340	iPKPd	03	27.31	-3.3X	PZZ	0.15	297	P	05	36.61	0.2	ACO	22.83	348	iPc	38	10.50	0.9	
	143.46	338	ePKP	03	28.50	-3.5X	STV	0.19	173	P	05	37.15	0.0	SDV	22.97	101	eP	38	12.80	1.4	
			0.9s	10.15nm			ENR	0.23	156	P	05	37.59	-0.2	LHS	23.05	27	eP	38	11.45	-0.3	
BSF	144.12	338	iPKPc	03	30.70	-2.5	BHB	0.41	357	P	05	40.93	-0.2	ELC	23.14	9	ePd	38	11.96	-0.6	
			0.7s	8.60nm			ROB	0.44	109	P	05	41.98	0.2	TOV	23.55	98	eP	38	18.30	1.5	
	144.13	338	ePKP	03	30.90	-2.2	S														
			0.8s	21.35nm			S.D. = 0.3 on 5 of 5 obs.														
HAU	145.47	346	iPKPc	03	34.90	-0.3	% SEP 19, 1993 15h 39m 46.55± 1.63s														
			0.7s	40.70nm			15.055 N ±28.4km 93.038 W ±15.7km														
	145.47	334	PKP	03	34.37	-1.2	DEPTH = 33.0km (normal)														
	145.54	346	iPKPc	03	35.20	-0.2	4.3mb (3 obs.)														
ORX	145.62	340	iPKPc	03	35.90	0.3	NEAR COAST OF CHIAPAS, MEXICO (69)														
	1.0s	37.60nm				TPX	0.77	101	iP	40	01.50	0.6	PV08	27.62	334	ePc	38	56.34	1.1		
	LOR	145.62	340	iPKPc	03	35.90	0.3			iS	40	19.00		PV10	27.63	333	ePc	38	54.70	-0.5	
	145.54	346	iPKPc	03	35.20	-0.2	SCX	1.72	13	iP	40	22.00	7.5X	PV09	27.77	333	eP	38	56.88	0.3	
LDF	145.83	340	ePKP	03	36.50	0.5	OPX	4.08	300	eP	40	49.50	1.1	PLM	28.47	316	eP	39	03.47	0.8	
			1.0s	49.40nm					(S)	41	50.50		SRU	28.90	332	eP	39	06.58	0.0		
	GRR	145.91	346	iPKPc	03	36.60	0.6	PPM	6.67	308	eP	41	26.50	1.2	PEC	28.98	316	eP	39	07.53	0.3
			0.7s	28.45nm			ITA	6.74	308	iP	41	25.00	-0.8		0.8s	10.27nm			4.6mb		
SSF	145.91	340	iPKPc	03	37.00	0.9	LTX	17.27	327	eP	43	47.70	0.8	MSU	29.22	329	(P)	39	09.80	0.3	
			0.6s	34.55nm			UYO	19.07	356	iPd	44	12.80	3.8X	ARUT	29.33	326	ePc	39	11.70	1.3	
	LSD	145.95	335	PKP	03	36.57	0.0	MEO	20.27	347	iPd	44	18.50	-3.6X	EMUT	29.60	332	P	39	13.12	0.2
	HYF	146.00	342	iPKPc	03	37.40	1.2	TUL	20.92	354	iP	44	31.30	2.6	RSSD	31.02	345	eP	39	24.86	-0.5
LPL	146.07	336	iPKPc	03	38.00	1.3	JSC	21.90	27	(P)	44	46.04	7.4X		0.7s	11.19nm			4.8mb		
			0.7s	15.00nm			ACO	22.23	347	iPd	44	43.20	1.2	BW06	31.55	337	eP	39	29.18	-0.9	
	LPG	146.08	336	iPKPc	03	38.10	1.3	ALQ	23.19	331	eP	44	51.50	-0.1		1.1s	10.92nm			4.6mb	
			0.8s	25.00nm				1.0s	5.00nm					HVU	32.06	332	eP	39	35.24	0.8	
PCP	146.10	333	PKP	03	36.38	-0.2	PV10	27.19	332	eP	45	28.24	-1.2	BONR	32.23	321	eP	39	37.30	1.2	
	RSP	146.16	335	PKP	03	36.57	-0.1			e	45	36.97		PTI	32.76	334	eP	39	41.10	0.5	
	SMF	146.17	340	iPKPc	03	37.40	0.9	RSSD	30.45	344	eP	45	57.55	-1.0	HHAI	33.11	334	eP	39	43.08	-0.5
			0.8s	24.60nm				0.7s	3.24nm				ARN	33.89	318	(P)	39	48.77	-1.5		
AVF	146.20	340	iPKPc	03	37.40	0.9	MCMT	34.09	335	eP	46	29.00	-1.5	LBFM	36.52	323	eP	40	12.92	0.1	
			0.6s	11.80nm			YKA	49.78	347	eP	48	35.40	-2.3	VGB	38.70	329	eP	40	31.66	0.8	
	LPF	146.28	346	iPKPc	03	37.90	1.3		0.8s	7.70nm			NEW	39.07	335	ePc	40	33.65	-0.4		
			0.7s	31.85nm			INK	59.15	344	eP	49	45.00	-1.1		0.7s	15.29nm			4.9mb		
BHB	146.41	334	PKP	03	36.20	-0.8	GBA	150.01	19	PKP	59	31.60	0.6	SSOR	39.11	327	P	40	34.27	-0.2	
	FIN	146.51	333	PKP	03	36.98	-0.2		0.6s	3.00nm			RNO	39.20	325	P	40	36.33	1.2		
	RRL	146.54	335	PKP	03	38.26	0.8	S.D. = 1.5 on 14 of 18 obs.													
	BGF	146.57	341	iPKPc	03	38.70	1.5	SEP 19, 1993 16h 33m 08.31± 0.38s													
ROB	146.59	333	PKP	03	37.25	-0.1			14.356 N ± 7.0km 93.428 W ± 5.1km												
	PZZ	146.75	334	PKP	03	36.98	-0.7		DEPTH = 33.0km (normal)												
	ENR	146.84	334	PKP	03	36.61	-1.2		4.8mb (36 obs.) 4.8msz (2 obs.)												
	STV	146.86	334	PKP	03	37.02	-0.8	NEAR COAST OF CHIAPAS, MEXICO (69)													
IMI	146.88	333	PKP	03	38.08	0.3	TPX	1.25	64	iP	33	31.50	1.9	JCW	40.07	329	eP	40	42.69	0.4	
	MAF	146.96	341	iPKPc	03	39.90	2.1	SCX	2.49	18	iP	33	50.00	2.6	CCH	40.13	330	P	40	43.77	0.8
			0.9s	21.45nm					iS	34	21.00		MCW	40.17	327	P	40	45.56	2.4		
	TCF	147.01	341	iPKPc	03	40.00	2.1	TER	2.66	91	iPc	33	52.30	2.4	BMW	40.60	328	P	40	47.23	0.6
SBF	147.12	333	ePKP	03	39.90	1.7	PCG	2.73	89	iPc	33	53.87	2.8	JCW	41.15	331	P	40	50.78	-0.3	
			1.1s	36.65nm			GCG	2.81	85	iPd	33	53.96	1.8	CCH	41.47	139	P	40	55.00	0.6	
	LSF	147.25	342	iPKPc	03	40.40	2.1	IXG	2.89	93	iPc	33	54.36	1.2	MCW	41.92	331	eP	40	57.59	0.2
			0.6s	24.60nm					iS	34	38.05		SIV	43.95	132	P	41	14.40	0.1		
MFF	147.40	344	iPKPc	03	41.00	2.5X	YUP	3.52	92	iPd	34	03.57	1.4	YKA	50.37	347	P	42	03.40	-0.6	
			0.7s	34.05nm			OPX	4.17	311	eP	34	11.00	-0.5		0.6s	26.00nm			5.4mb		
	PGF	147.43	330	iPKPc	03	41.10	2.3X			(S)	34	59.00		BAO	53.90	122	eP	42	31.00	-0.2	
			0.7s	18.30nm			LTVM	6.08	332	eP	34	33.50	-4.8X	VAO	58.70	129	(P)	43	04.00	-1.5	
BCAO	147.65	253	ePKPd	03	39.00	-0.9	IIT	6.59	315	eP	34	46.50	0.8	INK	59.71	344	ePc	43	11.10	-0.6	
			0.4s	50.00nm			ACX	6.68	293	eP	34	41.50	-5.2X		0.8s	9.00nm			5.0mb		
			ic	03	42.20		PPM	6.84	314	eP	34	50.50	1.1	KLW	60.05	334	ePc	43	14.19	-0.1	
			ic	04	15.60		IIA	6.91	314	iP	34	51.50	1.5	RES	60.33	360	eP	43	15.00	-0.9	
FRF	147.70	334	ePKP	03	41.70	2.6X			(S)	35	40.00			0.9s	13.00nm				5.1mb		
			1.0s	33.80nm			UNM	7.41	313	(P)	34	58.00	0.9	FBA	62.37	337	ePc	43	28.67	-1.2	
	LRG	147.91	334	iPKPc	03	42.40	3.0X	CRX	7.81	311	(P)	35	03.50	0.6		0.8s	7.77nm			4.9mb	
			1.1s	27.85nm			LTX	17.66	329	ePc	37	13.09	-0.5	DAG	72.61	13	eP	44	34.70	0.8	
LMR	147.95	334	ePKP	03	42.30	2.9X	UYO	19.75	357	iPd	37	35.50	-2.9	EKA	78.49	36	Pc	45	06.40	-1.2	
			1.1s	38.10nm			OPX	20.39	10	eP	37	38.58	-6.5X		0.7s	7.20nm			4.8mb		
	RJF	148.11	341	iPKPc	03	43.00	3.3X	WMOK	20.86	348	eP	37	48.28	-1.7	LFF	82.91	46	eP	45	29.80	-1.4
			0.8s	14.50nm				0.6s	12.73nm				EPF	83.06	47	eP	45	30.90	-1.2		
CAF	148.27	340	iPKPc	03	43.70	3.7X	MEO	20.87	348	iPc	37	48.50	-1.5		0.8s	4.05nm			4.6mb		
			0.7s	10.45nm			PRM	22.05	25	ePc	38	01.12	-0.8	LSF	83.15	44	eP	45	31.30	-1.2	
	LFF	148.67	342	iPKPc	03	44.50	4.0X						RJF	83.36	45	eP	45	32.00	-1.6		
			0.8s	19.50nm									z	23s	0.38um			4.7mszX			
LPO	148.77	341	iPKPc	03	44.80	4.1X							TCF	83.60	44	eP	45	32.90	-1.9		
			0.8s	16.50nm										0.7s	3.10nm			4.6mb			
	MTHF	149.86	338	PKP	03	47.54	5.1X						MAF	83.86	44	eP	45	34.30	-1.8		
	LESF	150.21	340	PKP	03	48.26	5.3X							0.8s	2.95nm			4.5mb			
EPF	150.52	341	ePKP	03	49.40	5.9X															
			0.8s	9.40nm																	
PAND	150.57	339	PKP	03	49.15	5.4X															

LIC	19.43	27	P	38	18.61	2.2
	0.9s	13.50nm				4.2mb
KIC	19.68	28	P	38	17.79	-1.4
	1.0s	16.50nm				4.3mb
BCAO	35.72	66	ePc	40	49.10	1.2
	0.5s	3.00nm				4.4mb
SUR	38.10	129	e(P)	41	10.00	2.0
KSR	41.00	117	eP	41	29.50	-2.6
SLR	42.19	116	eP	41	33.50	-8.3X
SEK	42.23	120	e(P)	41	29.00	-13.1X
BFT	43.74	115	eP	41	54.50	0.0
CNCB	52.76	257	eP	43	05.00	-0.3
LPB	52.88	258	eP	43	07.00	1.0
LPAP	52.92	258	P	43	06.00	-0.6
ARE	56.14	258	eP	43	30.00	0.3
LPG	59.45	17	eP	43	52.70	0.2
	1.2s	6.85nm				4.7mb
LPL	59.46	17	eP	43	52.70	0.2
	1.4s	12.20nm				4.8mb
SKO	62.07	29	eP	44	09.00	-1.0
GEC2	64.58	20	P	44	25.20	-1.3
	0.7s	0.37nm				3.7mb
KAS	68.24	37	eP	44	55.80	5.8X
WRA	135.86	134	PKP	53	14.90	4.4X
	1.0s	0.60nm				
S.D. = 1.5 on 14 of 18 obs.						

? SEP 19, 1993	18h	40m	55.51±	4.29s		
14.053 N	±46.4km		93.390 W	±11.4km		
DEPTH = 33.0km (normal)						
NEAR COAST OF CHIAPAS, MEXICO (69)						
TPX	1.38	52	eP	41	18.50	-0.2
			eS	41	34.50	
SCX	2.76	15	iP	41	38.50	0.1
			iS	42	11.50	
OXX	4.40	314	(P)	42	00.75	-1.2
PPM	7.07	316	(P)	42	48.00	8.1X
IIA	7.15	316	(P)	42	41.50	1.0
LTX	17.94	330	(P)	45	10.00	5.8X
ALQ	23.91	333	(P)	46	18.00	10.5X
	1.0s	2.38nm				
MCMT	34.85	335	eP	47	46.30	0.4
GBA	151.06	19	PKP	00	48.00	6.5X
S.D. = 1.2 on 5 of 9 obs.						

& SEP 19, 1993	19h	21m	20.67s			
63.004 N			150.851 W			
DEPTH = 113.4km						
CENTRAL ALASKA (1)						
<AEIC>.						
TRF	0.52	29	eP	21	37.97	-0.5
			eS	21	51.50	
HUR	0.56	92	eP	21	37.83	-0.7
			eS	21	51.81	
CUT	0.66	156	eP	21	38.81	-0.4
			eS	21	54.25	
RND	0.99	65	iP	21	42.08	-0.4
SKT	1.07	197	iP	21	42.82	-0.4
			eS	21	59.80	
MCK	1.13	49	eP	21	43.44	-0.4
			eS	22	00.69	
PWA	1.43	161	P	21	47.20	0.0
GHO	1.53	143	eP	21	48.19	-0.3
			eS	22	09.63	
SUA	1.55	178	eP	21	49.38	0.6
DHY	1.59	86	eP	21	48.51	-0.8
PLRM	1.63	150	eP	21	48.69	-0.9
			eS	22	10.66	
PMR	1.63	150	eP	21	48.15	-1.4
			eS	22	10.30	
SML	1.68	135	iP	21	49.26	-1.0
NCG	1.72	201	eP	21	50.23	-0.6
NEA	1.76	26	iP	21	50.28	-1.0
CGLM	1.79	198	eP	21	50.70	-1.0
CRP	1.85	200	eP	21	51.71	-0.8
CP2	1.86	201	eP	21	51.77	-1.0
			eS	22	16.13	
PMS	1.87	160	P	21	52.20	-0.4
			S	22	15.90	
BGL	1.89	203	eP	21	53.65	0.6
CKN	1.89					

BKG	2.05	200	eP	21	54.63	-0.4
CCB	2.13	38	iP	21	54.82	-1.1
HDA	2.23	49	eP	21	56.21	-1.1
NKA	2.28	185	eP	22	00.46	2.6
MDM	2.28	29	eP	21	56.85	-1.1
FBA	2.33	34	eP	21	57.03	-1.6
CFI	2.33	140	eP	21	57.46	-1.1
THY	2.35	78	eP	22	00.06	1.2
TOA	2.35	111	P	21	58.00	-0.9
PAX	2.46	88	eP	21	59.60	-0.7
PWL	2.46	150	eP	21	58.85	-1.4
SDG	2.49	99	eP	21	59.90	-0.8
IL1	2.49	43	iP	21	59.36	-1.4
ILB	2.49	43	iP	21	59.36	-1.4
			eS	22	28.43	
GLM	2.51	36	iP	21	59.96	-1.0
SLKM	2.52	173	eP	22	00.29	-0.9
RDT	2.55	198	eP	22	02.09	-0.6
MPA	2.62	164	eP	22	01.30	-1.1
NCT	2.64	203	eP	22	02.29	-0.5
REF	2.67	200	eP	22	02.75	-0.5
TZL	2.69	109	eP	22	02.37	-1.0
RDW	2.70	201	eP	22	03.22	-0.4
RED	2.75	200	eP	22	04.45	0.2
KLU	2.76	121	eP	22	02.17	-2.2
VLZ	2.84	129	eP	22	02.57	-2.7
SVW	2.94	232	eP	22	05.71	-1.0
IM3	3.24	339	iP	22	09.81	-0.9
CVA	3.46	133	eP	22	13.79	0.2
CNPM	3.50	183	eP	22	13.40	-0.8
PDB	3.61	208	eP	22	14.99	-0.6
GLB	3.65	112	iP	22	14.42	-1.9
AUP	3.86	200	eP	22	20.01	0.8
BC3	4.13	85	iP	22	20.71	-2.1
CRQM	4.29	118	eP	22	23.25	-1.9
CDD	4.31	200	eP	22	24.69	-0.5
BALM	4.47	112	eP	22	24.27	-3.2
WAX	4.59	120	eP	22	26.92	-2.1
BM3	5.15	28	iP	22	34.80	-2.0
63 obs. associated						

* SEP 19, 1993 19h 35m 40.11± 2.29s						
34.543 S ±16.0km 71.395 W ±15.2km						
DEPTH = 60.0km (geophysicist)						
NEAR COAST OF CENTRAL CHILE (135)						
MD 3.9 (SAN).						

LVN	0.59	359	iP+	35	53.51	0.4
			iS	36	03.23	
CACH	0.78	57	iP+	35	55.83	0.2
			iS	36	06.80	
TACH	0.97	23	iP+	35	57.66	-0.2
			iS	36	10.51	
LCCH	1.07	352	iPd	35	59.01	-0.3
			iS	36	13.24	
PCH	1.17	39	iP+	36	00.80	0.1
			iS	36	16.60	
SAN	1.25	29	iP+	36	01.59	-0.1
			iS	36	17.04	
PEL	1.52	23	iP+	36	05.71	0.3
			iS	36	24.48	
FCH	1.52	37	eP+	36	05.73	0.0
			iS	36	25.30	
ROCH	1.60	12	iPd	36	06.74	0.0
			iS	36	27.11	
JACH	1.97	20	iP+	36	11.62	-0.2
RFA	2.43	96	e(P)	36	18.00	-0.1
			S	36	40.00	
S.D. = 0.2 on 11 of 11 obs.						

19d 19h

PLM	72.47	47 eP	49 59.10	-0.4	MAF	149.11	6 ePKP	58 19.60	3.9X		0.7s	1.20nm	4.1mb
ISA	72.62	44 eP	49 59.38	-0.9		1.2s	14.90nm			GEC2	72.54 316 P	25 38.90	-1.8
	1.1s	11.79nm	4.7mb		VBY	149.16	348 e(PKP)	58 20.30	4.5X		0.8s	0.73nm	3.7mb
ORV	72.95	39 eP	50 17.81	68km	LPL	150.01	360 ePKP	58 22.90	5.5X	S.D. = 1.3 on 23 of 31 obs.			
LGPM	72.99	38 ePd	50 01.10	-0.9		0.9s	4.40nm			-----			
GSC	73.56	45 eP	50 04.96	-0.8	LPG	150.03	360 ePKP	58 23.10	5.6X	& SEP 19, 1993	20h 28m 35.05s		
GLA	73.76	48 ePd	50 06.78	-0.1		0.8s	4.85nm			38.116 N	122.450 W		
LBFM	73.82	38 eP	50 06.71	-0.6	SKO	150.64	337 ePKP	58 23.50	5.4X	DEPTH =	9.0km		
		ePp	50 26.08	72km	OHR	151.63	337 iPKP	58 26.00	6.3X	NORTHERN CALIFORNIA (36)			
BONR	74.03	42 eP	50 07.98	-0.7	S.D. = 1.1 on 48 of 64 obs.					<GM-P>. MD 3.0 (GM). ML 3.0			
SPA	74.67	180 iPc	50 13.20	1.4	SEP 19, 1993 20h 14m 14.94± 0.44s					(BRK). Felt in Marin County.			
	1.1s	2.98nm	4.1mb		22.131 N ± 5.1km 101.943 E ± 7.5km				BBR	0.16 331 P	28 39.08	0.3	
TNP	74.81	43 eP	50 12.45	-0.7	DEPTH = 33.0km (normal)				LOC	0.21 280 P	28 39.90	0.4	
	1.3s	55.45nm	5.3mb		4.4mb (13 obs.)				GVR	0.25 48 P	28 40.27	0.0	
TUC	76.35	51 ePd	50 22.78	1.0	MYANMAR-CHINA BORDER REGION (297)				BKS	0.29 145 eP	28 41.21	0.1	
	1.2s	23.67nm	5.0mb		ML 4.8 (BJI).				NTYM	0.32 329 iPc	28 41.98	0.4	
SHW	76.67	34 (P)	50 23.94	0.6	KMI	3.07	14 Pnd	15 02.00	-0.4	JPRM	0.32 183 P	28 42.00	0.3
ARUT	77.17	45 eP	50 26.44	0.1			Pg	15 09.50		NTBM	0.40 289 P	28 43.47	0.2
LON	77.25	33 (P)	50 25.48	-0.9			Sg	15 48.00		CSVM	0.43 125 P	28 44.27	0.4
MSU	78.40	45 eP	50 33.51	0.3	CHTO	4.34	221 ePn	15 20.10	-0.2	MGA	0.48 182 P	28 44.80	0.1
		ePp	50 52.93	72km			iPg	15 35.50		HMR	0.51 85 ePc	28 46.28	0.9
DUG	78.83	43 eP	50 34.60	-0.8			iSg	16 34.40		JCPM	0.54 169 P	28 45.72	-0.2
	0.9s	7.72nm	4.6mb		LOE	4.70	182 ePn	15 26.50	1.0	JBGM	0.60 181 iPd	28 46.87	-0.3
HVU	79.68	41 eP	50 39.23	-0.7			ePg	15 40.00			eS	28 54.68	
SRU	79.81	45 eP	50 39.85	-0.9			eSg	16 40.00		NFIM	0.60 226 P	28 47.09	-0.1
		ePp	50 58.73	69km	BDT	5.59	210 ePn	15 36.00	-2.0	CCYM	0.63 153 P	28 47.31	-0.4
DAU	79.97	43 ePd	50 41.54	-0.2			ePg	15 58.50		CDAL	0.69 124 P	28 49.00	0.2
PV09	80.47	46 eP	50 44.80	0.4			eSg	17 23.20		FTR	0.69 306 P	28 48.93	0.1
PV10	80.48	46 eP	50 44.49	0.1	GYA	6.09	44 Pn	15 43.40	-1.8	SKG	0.73 323 P	28 49.52	0.0
		ePp	51 02.00	63km			Pg	16 08.80		STAN	0.74 163 eP	28 49.79	0.1
LTX	80.57	56 ePc	50 45.20	0.3			Sn	16 50.00			eS	29 00.39	
HHAI	80.72	40 eP	50 46.02	0.6			Sg	17 26.40		MSJ	0.75 142 P	28 49.54	-0.3
ALQ	80.76	50 eP	50 46.01	0.1	NST	6.65	195 ePn	15 53.50	0.6	GHCM	0.76 310 P	28 50.09	0.0
	1.2s	11.90nm	4.7mb				e	16 18.00		JJRM	0.79 166 P	28 50.70	0.1
MCMT	81.23	39 ePd	50 48.10	-0.1			e	17 30.00		CDVM	0.82 132 P	28 50.79	-0.2
BW06	82.25	42 ePd	50 52.68	-0.8	KHT	7.97	204 eP	16 10.60	-0.8	MNR	0.83 129 P	28 50.86	-0.3
	1.0s	9.30nm	4.7mb		QIZ	8.02	111 P	16 11.80	-0.3	SJH	0.83 160 P	28 51.56	0.4
GLD	83.75	46 eP	51 01.91	0.7			S	17 42.20	5.3mb	GRTM	0.84 348 P	28 51.77	0.4
	1.6s	38.88nm	5.2mb				S	17 42.20		GMCM	0.86 322 P	28 52.36	0.6
RSSD	86.43	42 eP	51 13.64	-0.9	CD2	8.89	10 P	16 19.60	-4.6X	SEC	0.87 163 P	28 51.88	0.0
	1.1s	10.64nm	4.9mb		NNT	9.72	193 eP	16 35.20	-0.4	PSD	0.92 175 P	28 52.38	-0.3
SPC	144.55	345 ePKP	58 08.80	0.4	GZH	10.58	83 P	16 51.60	4.3X	JSMM	0.93 166 P	28 53.40	0.5
PRU	144.95	351 ePKP	58 08.50	-0.3	XAN	13.36	26 P	17 21.00	-3.8X	MHC	1.00 140 ePc	28 53.49	-0.8
		e	58 29.20				0.8s	3.40nm	4.3mb		eS	29 07.88	
SNF	144.96	3 PKP	58 07.80	-1.0			Z 10s	1.27um	4.3MsZ	JBLM	1.01 167 P	28 53.52	-0.8
KAS	145.12	323 ePKP	58 10.50	1.0			N 11s	1.38um		SOS	1.03 156 P	28 54.04	-0.6
DOU	145.38	2 PKP	58 09.00	-0.5			E 11s	2.08um		ARN	1.06 136 eP	28 54.01	-1.1
GRF	145.63	355 iPKPd	58 10.60	0.6	WHN	13.92	50 eP	17 32.00	0.0		eS	29 09.46	
		e	58 24.70				N 12s	1.88um		COE	1.06 144 eP	28 54.82	-0.2
WLF	145.86	1 iPKPd	58 10.83	0.5			E 10s	0.82um			eS	29 10.23	
	1.2s	17.20nm			LZH	14.00	6 eP	17 35.00	1.7	AASM	1.10 73 P	28 54.43	-1.4
KHC	145.92	352 PKP	58 11.40	0.8			Z 2.0s	30.00nm	4.7mb	JRGM	1.14 160 P	28 55.86	-0.7
	1.0s	9.30nm					Z 10s	0.53um	4.3MsZ	ADR	1.15 145 P	28 55.97	-0.7
		e	58 26.00				E 10s	0.69um		CBO	1.17 149 P	28 56.18	-0.8
GEC2	146.18	352 PKP	58 11.40	0.3	GUN	15.65	295 P	17 58.40	3.3X	EUC	1.18 154 P	28 57.60	0.4
	0.7s	3.10nm					0.8s	73.00nm	4.9mb	APRM	1.23 51 P	28 55.90	-2.1
		e	58 14.30		KKN	16.12	294 P	18 02.00	1.0	HGWM	1.27 150 P	28 57.38	-1.3
ZST	146.21	347 ePKP	58 11.10	0.1	DMN	16.22	293 P	18 04.40	2.1X	MNHM	1.29 88 P	28 57.18	-1.9
SRO	146.30	346 ePKP	58 14.00	2.9X			0.6s	46.00nm	4.8mb	ARJM	1.30 64 P	28 57.47	-1.8
LPF	146.87	9 ePKP	58 13.00	1.0	GTA	17.32	354 eP	18 15.50	-0.4	HCOM	1.36 154 P	28 58.62	-1.5
	1.1s	20.25nm					1.0s	8.00nm	3.8mb	DIL	1.43 153 P	28 59.34	-1.8
CDF	147.11	359 ePKP	58 14.00	1.4			Z 12s	0.84um	4.4MsZ	SAO	1.57 149 eP	29 01.37	-1.7
	1.4s	25.70nm			TIY	17.97	28 eP	18 24.90	0.9	AFHM	1.60 54 P	29 02.23	-1.4
HAU	147.52	0 ePKP	58 15.20	2.1			N 10s	0.38um		ORV	1.62 27 eP	29 01.61	-2.2
	0.9s	9.65nm					Z 10s	2.03um		BSRM	1.63 153 P	29 02.15	-1.8
BSF	147.69	360 ePKP	58 15.50	2.0			E 14s	1.45um		CMB	1.63 92 eP	29 02.88	-1.2
	1.1s	8.80nm			BTO	19.64	19 eP	18 43.00	-1.0		eS	29 22.44	
LOR	148.17	4 ePKP	58 16.30	2.1			eS	22 24.00		BPRM	1.80 161 P	29 04.30	-2.2
	0.8s	5.90nm					21.57	31 eP	19 04.00	MMPM	2.75 100 eP	29 19.29	-1.2
Z	23s	0.13um	4.6MsZ		BJI	21.57	31 eP	19 04.00	0.4	MEMM	2.81 98 (P)	29 20.91	-0.1
SSF	148.35	4 ePKP	58 17.60	3.1X			1.5s	15.00nm	4.2mb		eS	29 55.31	
	1.3s	24.20nm					Z 16s	0.58um	4.1MsZ	MTUM	3.17 103 (Pn)	29 25.78	-0.5
LBF	148.46	4 ePKP	58 17.80	3.1X	NDI	23.24	291 eP	19 20.00	-0.3	BONR	3.28 92 ePn	29 26.79	-1.1
	1.0s	10.40nm			WMQ	24.64	335 P	19 36.80	3.0X		ePg	29 32.56	
AVF	148.61	4 ePKP	58 18.00	3.1X			Z 16s	0.36um	4.0MsZ		eS	30 11.30	
	0.7s	4.20nm			GBA	24.79	254 P	19 38.50	3.2X	55 obs. associated			
SMF	148.79	4 ePKP	58 18.50	3.3X			0.6s	2.50nm	4.0mb	-----			
	1.1s	12.95nm			KSH	28.06	314 eP	20 06.60	1.1	& SEP 19, 1993	20h 49m 06.54s		
BGF	148.80	5 ePKP	58 18.70	3.5X	MAIO	39.33	301 eP	21 45.00	2.0	38.117 N	122.453 W		
	0.7s	4.20nm			WRA	52.45	141 P	23 28.50	1.6	DEPTH =	8.7km		
LSF	148.97	7 ePKP	58 18.60	3.1X			0.5s	3.20nm	4.5mb	NORTHERN CALIFORNIA (36)			
	1.1s	11.00nm			WB2	52.45	141 eP	23 28.10	1.2	<GM-P>. MD 3.5 (GM). ML 3.6			
TCF	149.01	6 ePKP	58 19.00	3.4X			0.6s	5.00nm	4.7mb	(BRK). Felt in Marin County and			
					HFS	70.22	328 eP	25 24.10	-2.3	at Richmond.			
							0.5s	1.00nm	4.1mb	BBR	0.16 332 P	49 10.57	0.4
					NB2	71.25	329 P	25 29.40	-3.3X				

ZSP	0.23	138	iP	49	11.98	0.6
GVR	0.25	49	P	49	11.77	0.0
BKS	0.30	144	eP	49	12.76	0.1
NTYM	0.32	329	eP	49	13.46	0.4
JPRM	0.32	183	P	49	13.50	0.3
NTBM	0.40	289	P	49	14.93	0.3
NSHM	0.42	343	P	49	18.81	3.7
CRPM	0.48	115	P	49	15.84	-0.4
LKC	0.49	141	P	49	16.67	0.3
HMR	0.52	86	eP	49	17.56	0.6
NMHM	0.57	346	P	49	17.78	-0.3
MTC	0.60	120	P	49	18.62	0.0
JEGM	0.60	181	iPd eS	49 49	18.38 26.47	-0.3
PCC	0.62	175	iPd	49	18.76	-0.2
NMTM	0.69	0	P	49	19.76	-0.5
CDAL	0.69	124	P	49	20.47	0.1
CSAM	0.74	127	P	49	21.70	0.5
GDXM	0.74	339	P	49	20.75	-0.5
CVAL	0.74	132	P	49	21.52	0.3
STAN	0.75	163	eP	49	21.30	0.0
MSJ	0.75	142	P	49	21.06	-0.4
GSGM	0.78	345	P	49	21.89	0.0
BGH	0.78	173	P	49	22.34	0.5
GACM	0.82	337	P	49	22.60	0.0
CDVM	0.82	132	P	49	22.34	-0.2
MNR	0.83	129	P	49	22.38	-0.4
JBMM	0.83	163	P	49	22.44	-0.4
SJH	0.83	160	P	49	23.12	0.4
SEC	0.87	162	P	49	23.29	-0.1
LT3	0.87	167	P	49	23.27	-0.2
GMKM	0.89	343	P	49	24.04	0.2
PSD	0.92	175	P	49	23.85	-0.4
JSMM	0.93	166	P	49	23.87	-0.6
MHR	0.94	144	P	49	24.71	0.2
LXR	0.99	158	P	49	24.65	-0.7
MHC	1.01	140	ePc eS	49 49	25.03 38.69	-0.8
JBLM	1.01	167	P	49	24.94	-0.9
LT15	1.01	160	P	49	25.20	-0.7
GBMM	1.02	358	P	49	26.93	0.9
JSTM	1.05	150	P	49	25.75	-0.7
COSM	1.05	125	P	49	26.30	-0.2
GHGM	1.05	344	P	49	26.75	0.2
ARN	1.06	136	eP eS	49 49	25.93 40.41	-0.7
COE	1.06	144	eP	49	26.48	-0.1
GCC	1.14	161	iP	49	26.58	-1.5
JUCM	1.16	164	P	49	26.96	-1.4
CBO	1.17	149	P	49	27.61	-0.9
JTGM	1.18	157	P	49	27.88	-0.8
HSPM	1.25	143	P	49	28.90	-1.0
ALAM	1.26	69	P	49	28.12	-1.9
HGWM	1.27	150	P	49	28.72	-1.5
GHS	1.30	142	P	49	29.38	-1.3
ADWM	1.30	75	P	49	29.29	-1.5
CSR	1.35	149	P	49	29.85	-1.6
SFL	1.41	143	P	49	30.78	-1.6
PCL	1.41	139	P	49	31.71	-0.7
MCUM	1.46	95	P	49	31.28	-1.8
MOYM	1.51	98	P	49	32.65	-1.1
MRFM	1.53	85	P	49	32.97	-1.2
SAO	1.57	149	eP	49	32.50	-2.2
HJSM	1.59	144	P	49	33.54	-1.4
AFHM	1.60	54	P	49	33.59	-1.5
AARM	1.61	44	P	49	33.30	-2.0
ORV	1.62	27	eP	49	33.18	-2.2
CMB	1.63	92	eP eS	49 49	34.32 55.01	-1.3
BFRM	1.80	161	P	49	35.90	-2.2
LLA	1.92	141	iP	49	37.87	-1.9
BCWM	1.94	158	P	49	38.52	-1.7
BAPM	2.04	161	P	49	39.60	-2.0
HVC	2.18	143	P	49	43.59	0.1

19d 22h

0.9s 3.69nm 4.2mb
 GSC 46.50 309 eP 41 16.21 -0.1
 LIC 67.27 88 P 43 44.57 1.1
 0.6s 6.00nm 4.6mb
 KIC 67.53 88 P 43 46.31 1.2
 0.6s 5.50nm 4.6mb
 GEC2 79.70 42 P 44 56.20 1.0
 0.6s 0.71nm 3.6mb
 e 44 59.30
 e 45 01.90
 e 45 04.80
 e 45 07.10
 WB2 152.19 248 ePKP 52 43.90 7.9X
 0.3s 1.90nm
 i 53 03.10
 WRA 152.20 248 PKP 52 46.00 10.0X
 1.0s 0.70nm
 S.D. = 0.9 on 30 of 33 obs.
 ? SEP 19, 1993 23h 13m 01.81± 5.18s
 13.989 N ±54.4km 93.608 W ±10.2km
 DEPTH = 33.0km (normal)
 OFF COAST OF CHIAPAS, MEXICO (68)
 TPX 1.59 55 eP 13 28.00 0.0
 SCX 2.89 19 iP 13 46.50 0.0
 iS 14 18.00
 OXX 4.30 316 eP 14 05.50 -1.3
 PPM 6.97 317 eP 14 45.50 0.7
 IIA 7.05 317 eP 14 46.00 0.6
 S.D. = 1.1 on 5 of 5 obs.
 * SEP 19, 1993 23h 15m 47.42± 0.58s
 24.234 S ±21.8km 174.682 W ±10.0km
 DEPTH = 33.0km (normal)
 5.0mb (9 obs.) 4.4msz (3 obs.)
 SOUTH OF TONGA ISLANDS (175)
 BKM 17.23 289 iPc 19 48.10 0.9
 DZM 17.49 273 iPc 19 53.00 2.4
 CTA 36.33 269 iPc 22 48.60 -1.7
 0.4s 205.08nm 6.4mb X
 STK 39.12 249 P 23 13.39 -0.2
 ASPA 46.77 260 iPd 24 14.30 -1.5
 0.5s 11.50nm 5.1mb
 WB2 47.21 265 eP 24 16.60 -2.7
 0.4s 10.10nm 5.2mb
 WRA 47.22 265 P 24 17.00 -2.4
 BCH 78.52 43 eP 27 47.44 0.2
 MAW 79.09 199 P 27 51.79 2.1
 ISA 79.83 43 eP 27 54.30 0.0
 1.1s 10.06nm 4.7mb
 MOYM 80.00 41 P 27 57.16 2.2
 GLA 80.59 47 eP 27 57.58 -0.8
 GSC 80.66 45 eP 27 56.91 -1.8
 TUC 82.93 50 eP 28 12.28 1.7
 0.9s 6.09nm 4.7mb
 ARUT 84.32 44 eP 28 16.88 -0.8
 MSU 85.56 44 eP 28 24.54 0.7
 RMW 85.75 33 eP 28 22.82 -1.6
 LTX 86.54 56 eP 28 27.85 -0.9
 SRU 86.95 45 eP 28 30.80 0.1
 CN2 87.12 321 eP 28 30.50 -0.6
 1.2s 12.00nm 5.0mb
 DAU 87.23 43 eP 28 32.71 0.5
 GOL 90.62 46 P 29 00.00 11.9X
 Z 19s 0.11um 4.3msz
 GLD 90.75 46 eP 28 48.20 -0.4
 1.6s 24.27nm 5.3mb
 FBA 91.25 11 ePc 28 49.51 -0.6
 1.0s 6.64nm 5.0mb
 TIY 92.04 311 eP 28 55.50 1.1
 Z 18s 0.49um 5.0msz
 XAN 92.81 306 P 28 58.50 0.4
 1.0s 3.60nm 4.8mb
 Z 15s 0.64um 5.2mszX
 RSSD 93.74 43 eP 29 01.83 -0.5
 1.4s 13.33nm 5.2mb
 Z 18s 0.09um 4.3msz
 KMI 93.75 296 eP 29 04.50 1.7
 CHTO 94.37 289 eP 29 07.00 1.6
 KSP 152.11 345 iPKPc 35 41.40 7.6X
 CLL 152.33 350 iPKPc 35 41.30 7.2X
 1.4s 20.00nm
 BRG 152.58 348 iPKP 35 42.10 7.6X
 1.0s 13.00nm
 MOX 153.18 351 ePKP 35 42.80 7.5X

1.6s 11.00nm
 PRU 153.30 347 ePKP 35 35.50 0.0
 e 35 43.50
 SRO 154.30 340 ePKP 35 36.20 -0.7
 KHC 154.31 347 ePKP 35 38.00 1.0
 e 35 45.00
 ZST 154.33 342 ePKP 35 36.70 -0.3
 GEC2 154.56 347 PKP 35 36.90 -0.5
 2.1s 4.55nm
 e 35 46.10
 e 35 48.70
 BCAO 156.55 215 iPKPd 35 42.30 1.3
 1.0s 5.00nm
 ic 36 10.10
 S.D. = 1.4 on 34 of 39 obs.
 & SEP 19, 1993 23h 27m 32.02s
 37.630 N 118.944 W
 DEPTH = 6.2km
 CALIFORNIA-NEVADA BORDER REGION (40)
 <GM-P>. MD 3.0 (GM).
 MEMM 0.04 6 iPc 27 33.51 0.0
 MCSM 0.04 51 P 27 33.52 -0.2
 MMPM 0.07 253 eP 27 33.90 -0.2
 HPCR 0.17 126 P 27 35.63 -0.1
 ORC 0.23 89 P 27 36.95 0.1
 CASR 0.32 100 P 27 38.59 0.1
 MRCM 0.35 83 eP 27 39.00 -0.2
 MTUM 0.41 132 iPd 27 40.01 -0.3
 eS 27 45.65
 CWCR 0.52 105 P 27 42.80 0.2
 BONR 0.60 57 ePc 27 43.86 -0.3
 FRI 0.88 224 P 27 48.56 -0.7
 CMB 1.21 290 eP 27 53.75 -1.2
 eS 28 09.55
 MRFM 1.39 297 P 27 57.32 -0.7
 TNP 1.44 71 eP 27 59.26 0.4
 WLHM 1.56 161 P 28 01.00 0.4
 BRMM 1.70 243 P 28 03.66 1.4
 BMSM 1.77 237 P 28 04.40 1.0
 HVC 1.96 231 P 28 07.38 1.3
 ISA 2.00 169 eP 28 08.33 1.6
 eS 28 33.40
 LTR 2.03 249 P 28 08.38 1.3
 HJSM 2.05 247 P 28 09.02 1.7
 BHRM 2.06 245 P 28 09.60 2.0
 ARN 2.08 263 eP 28 08.78 0.9
 WOFM 2.10 175 P 28 10.10 1.8
 BVYM 2.16 247 P 28 10.28 1.2
 LRC 2.18 231 P 28 10.81 1.6
 WJPM 2.25 170 P 28 13.31 2.9
 BAPM 2.60 237 P 28 16.22 0.7
 BCH 2.61 201 eP 28 16.01 0.5
 ORV 2.78 315 ePn 28 17.90 0.1
 eS 28 52.66
 ABL 2.78 185 (P) 28 18.18 0.0
 GSC 2.89 143 ePn 28 20.91 1.3
 32 obs. associated
 % SEP 19, 1993 23h 50m 31.92± 0.72s
 39.640 N ± 6.7km 29.024 E ± 7.2km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)
 ML 2.9 (ISK).
 KCT 0.80 320 iPg 50 47.00 -0.9
 eSg 51 01.00
 ALT 1.02 124 ePn 50 51.20 -0.6
 EDC 1.14 309 ePn 50 54.00 0.3
 GPA 1.18 56 iPn 50 54.80 0.3
 HRT 1.28 22 ePn 50 56.00 -0.1
 KHL 1.37 163 ePn 50 58.20 0.5
 CTT 1.57 343 ePn 51 01.00 0.5
 S.D. = 0.7 on 7 of 7 obs.
 ? SEP 20, 1993 00h 26m 42.15± 0.93s
 31.728 S ±10.8km 68.213 W ±10.1km
 DEPTH = 33.0km (normal)
 SAN JUAN PROVINCE, ARGENTINA (137)
 CFA 0.12 349 iPc 26 46.10 -2.1
 RTLL 0.45 331 eP 26 52.00 -0.1
 S 27 03.00
 RTCB 0.56 296 eP 26 55.00 1.3
 S 27 06.00
 RTPR 2.04 46 eP 27 15.00 0.2

RFA 3.04 184 ePc 27 29.00 -0.1
 S 28 01.30
 TCA 3.12 84 e(P) 27 31.00 0.8
 (S) 28 09.50
 S.D. = 1.5 on 6 of 6 obs.
 % SEP 20, 1993 00h 34m 22.50± 0.54s
 40.280 N ± 4.4km 23.037 E ± 5.0km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 2.1 (THE).
 THE 0.36 351 iPg 34 29.73 -0.1
 eSg 34 35.42
 LIT 0.46 247 iPg 34 31.21 -0.6
 eSg 34 38.54
 SOH 0.59 24 iPg 34 34.06 -0.5
 eSg 34 42.94
 PAIG 0.61 125 ePg 34 34.70 0.0
 eSg 34 44.10
 OUR 0.72 85 iPg 34 36.66 -0.1
 eSg 34 47.74
 GRG 0.83 325 ePg 34 39.37 0.8
 eSg 34 51.30
 KNT 0.89 353 ePg 34 39.13 -0.4
 iSg 34 53.18
 SRS 0.94 27 ePg 34 40.78 0.4
 eSg 34 54.78
 AGG 1.37 204 ePb 34 48.06 0.4
 eSb 35 06.98
 S.D. = 0.5 on 9 of 9 obs.
 SEP 20, 1993 01h 22m 49.59± 0.33s
 14.330 N ± 5.9km 93.372 W ± 4.4km
 DEPTH = 33.0km (normal)
 4.9mb (47 obs.) 4.8msz (11 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 Mw 5.4 (HRV). Ms 4.7 (BRK). Felt
 at Mexico City.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 24C
 Centroid Location:
 Origin Time 01:22:48.2 0.5
 Lat 14.45N 0.10 Lon 93.64W 0.10
 Dep 15.2 3.9 Half-duration 1.1
 Moment Tensor; Scale 10**16 Nm
 Mrr= 5.22 0.52 Mtt=-3.09 0.61
 Mff=-2.13 0.84 Mrt= 9.32 3.24
 Mrf=-9.62 3.19 Mtf= 0.60 0.59
 Principal Axes:
 T Val= 15.06 Plg=54 Azm= 48
 N -2.02 2 314
 P -13.04 36 223
 Best Double Couple: Mo=1.4*10**17
 NP1: Strike=300 Dip= 9 Slip= 75
 NP2: 135 81 92
 TPX 1.22 62 iP 23 12.19 1.8
 iS 23 26.60
 SCX 2.50 16 eP 23 32.16 3.4X
 iS 24 04.36
 IXG 2.83 93 iPd 23 33.66 0.0
 iS 24 17.02
 YUP 3.46 92 iPc 23 42.62 -0.1
 OXX 4.23 311 iP 23 52.55 -1.0
 (S) 24 34.09
 LVVM 6.13 332 (P) 24 05.91 -14.3X
 iS 25 33.82
 PPM 6.89 314 eP 24 32.58 1.1
 (S) 25 54.56
 IIA 6.97 314 eP 24 33.61 1.6
 UNM 7.46 313 (P) 24 40.00 0.8
 CRX 7.87 311 (P) 24 46.00 1.0
 MRX 9.19 307 iP 25 03.58 0.6
 CGX 11.03 300 (P) 25 29.00 0.6
 LTX 17.71 329 eP 26 55.75 0.3
 UYO 19.77 357 iPd 27 18.30 -1.6
 MIAR 20.13 360 eP 27 21.12 -2.5
 1.0s 49.49nm 4.8mb
 eS 30 59.42
 OXF 20.41 9 ePd 27 25.21 -1.4
 PSO 20.54 128 eP 27 31.00 2.4
 WMOK 20.90 347 eP 27 29.49 -2.2
 0.8s 25.31nm 4.7mb
 eS 31 18.34
 BOG 21.33 115 eP 27 40.00 3.5X

20d 01h

TUL	21.60	355	eS	31	40.00		NEW	39.12	335	eP	30	14.78	-0.9	FEL	86.96	41	P	35	33.43	0.5	
HBF	21.98	30	eP	27	40.10	1.4		0.9s	12.06nm			4.7mb		DIX	87.11	43	ePc	35	34.70	0.8	
PRM	22.05	25	eP	27	43.63	1.2	DPW	39.27	333	(P)	30	16.82	-0.2	KIC	87.13	84	P	35	34.41	0.3	
SGS	22.12	30	(P)	27	44.31	0.4	LPAZ	39.34	140	P	30	17.00	-1.5		1.2s	26.00nm			5.4mb		
MYNC	22.27	20	eP	27	45.19	-0.3	LPB	39.54	140	eP	30	20.00	0.1	LRG	87.18	46	eP	35	34.40	0.6	
	0.8s	19.52nm			4.6mb		Z	15s	1.33um			4.9MsZ			1.1s	16.35nm			5.2mb		
LST	22.34	8	eP	27	46.52	0.5	CNCB	39.82	140	eP	30	21.00	-1.4	Z	19s	0.30um			4.7MsZ		
JSC	22.68	27	eP	27	47.86	-1.6		e				32	28.00		SLE	87.30	41	ePd	35	35.10	0.7
GBTN	22.78	20	eP	27	50.85	0.4	LON	40.12	329	eP	30	23.14	-0.9	LMR	87.32	46	eP	35	35.00	0.5	
ACO	22.87	348	iPc	27	51.00	-0.3	CCH	41.42	139	P	30	34.00	-1.2		1.3s	33.95nm			5.4mb		
LHS	23.05	27	ePd	27	53.50	0.5	SIV	43.89	132	P	30	53.30	-1.8	FRF	87.35	46	eP	35	34.30	-0.4	
ELC	23.16	8	ePd	27	53.76	-0.3	FCC	44.36	359	eP	31	00.00	1.8		0.9s	8.50nm			5.0mb		
FVM	23.70	6	eP	27	58.09	-1.3	YKA	50.41	347	eP	31	44.50	-1.1	MMK	87.49	43	ePd	35	37.30	1.7	
	0.5s	22.07nm			4.9mb			0.9s	18.40nm			5.1mb		GRF	88.37	39	ePc	35	40.60	1.1	
CEH	25.00	28	(P)	28	10.72	-1.2	FRB	52.30	14	ePc	31	59.10	-0.8		1.3s	20.00nm			5.3mb		
	0.9s	15.91nm			4.6mb			0.9s	21.00nm			5.1mb		Z	19s	0.30um			4.7MsZ		
NAV	25.49	24	eP	28	14.58	-2.0	INK	59.75	344	eP	32	52.50	-0.8	CLL	88.86	37	eP	35	41.00	-0.7	
CAR	26.10	95	eP	28	20.50	-2.0		0.9s	5.00nm			4.6mb		BRG	89.57	37	eP	35	45.70	0.6	
GLA	26.98	317	eP	28	29.83	-0.6	FBA	62.42	337	ePc	33	09.60	-1.8		1.0s	11.00nm			5.1mb		
PV08	27.67	334	eP	28	37.69	0.7		0.8s	6.93nm			4.8mb		KHC	90.01	39	eP	35	48.40	1.1	
PV10	27.68	333	ePc	28	36.34	-0.6	DAG	72.63	13	iPd	34	15.80	0.5		1.0s	5.40nm			4.8mb		
PV09	27.82	333	(P)	28	39.82	1.6		1.0s	28.00nm			5.2mb		GEC2	90.19	39	P	35	48.40	0.2	
PLM	28.52	316	eP	28	44.52	0.0	EKA	78.48	36	Pc	34	48.20	-0.6		0.9s	2.59nm			4.5mb		
SRU	28.95	332	eP	28	47.82	-0.4		0.8s	6.60nm			4.7mb		PRU	90.26	38	P	35	49.00	0.6	
PEC	29.04	316	(P)	28	48.02	-1.0	PAB	80.29	52	ePd	35	03.70	4.6X	ZST	92.53	39	eP	36	00.40	1.6	
	1.5s	42.37nm			4.9mb		LPF	81.03	43	eP	35	02.80	0.1	SPC	93.97	37	eP	36	06.90	1.2	
MSU	29.27	329	eP	28	51.64	0.4	GRR	81.08	42	eP	35	03.30	0.4	OBN	99.01	26	eP	36	45.00	16.8X	
ARUT	29.38	326	ePc	28	52.72	0.5		0.9s	11.30nm			4.9mb			2.0s	80.00nm					
EMUT	29.65	332	ePc	28	54.77	0.1	FLN	81.25	42	eP	35	04.20	0.4	WMQ	122.13	359	ePKP	41	46.40	3.7X	
GSC	29.67	319	eP	28	54.48	-0.2		0.8s	9.80nm			4.9mb		Z	20s	0.86um			5.4MsZ		
DAU	30.33	332	eP	28	59.91	-0.8	LDF	81.52	42	eP	35	05.50	0.3			PP			43	16.20	
DUG	30.88	330	ePc	29	06.50	1.1		0.9s	14.10nm			5.0mb		GTA	125.14	348	ePKP	41	51.00	2.2	
	1.8s	35.07nm			4.9mb		MFF	81.92	44	eP	35	07.50	0.2	Z	20s	0.63um			5.3MsZ		
ISA	30.96	318	(P)	29	04.07	-2.0		1.2s	14.90nm			4.9mb				PP			43	40.00	
	3.5s	162.18nm			5.2mb	X	LFF	82.89	46	eP	35	12.20	-0.2	LZH	127.28	342	ePKP	41	51.00	-2.1	
BW06	31.59	337	ePc	29	10.98	-0.8	EPF	83.04	47	eP	35	13.00	-0.3	XAN	127.42	337	PKP	41	52.50	-0.8	
	2.1s	75.58nm			5.2mb			0.9s	6.90nm			4.8mb		KKN	138.11	2	PKP	42	00.00	-14.0X	
HVU	32.11	332	ePc	29	16.35	0.2	LSF	83.13	44	eP	35	13.60	-0.1	CHTO	144.90	339	iPKPc	42	23.40	-2.4	
BONR	32.28	321	eP	29	17.90	0.0	LPO	83.26	46	eP	35	14.60	0.3		1.2s	15.97nm					
MMPM	32.51	320	(P)	29	20.85	0.9		0.9s	6.70nm			4.8mb		BDT	146.33	338	ePKP	42	27.00	-1.2	
PTI	32.81	334	(P)	29	22.52	0.3	RJF	83.34	45	eP	35	14.30	-0.5		0.7s	38.70nm					
HHAI	33.16	334	ePd	29	25.61	0.4	TCF	83.58	44	eP	35	15.90	-0.1	NST	147.34	335	ePKP	42	31.00	1.2	
CMB	33.61	320	eP	29	28.54	-0.7		0.8s	3.65nm			4.6mb		HYB	147.46	14	ePKP	42	31.50	1.4	
	1.0s	5.88nm			4.5mb		MAF	83.84	44	eP	35	16.80	-0.5	GBA	150.79	19	PKP	42	41.00	5.8X	
CMB	33.61	320	ePd	29	37.64	8.4X		0.7s	2.75nm			4.5mb			S.D. = 1.1	on 130	of 142	obs.			
Z	19s	1.30um			4.7MsZ		BGF	83.94	44	eP	35	17.90	0.1								
		eS		34	58.64			0.9s	14.40nm			5.1mb		%	SEP 20, 1993	01h 39m	16.44± 3.09s				
		ePcS		35	26.64		AVF	84.22	43	eP	35	18.90	-0.2		38.659 N ±24.5km		23.772 E ±11.6km				
		iSS		37	29.64			0.9s	5.55nm			4.7mb			DEPTH = 10.0km		(geophysicist)				
		eLQ		38	40.64		SSF	84.25	43	eP	35	19.30	0.0	GREECE			(364)				
		eLR		40	03.64			1.0s	8.80nm			4.9mb			ML 2.8 (THE).						
MHC	34.01	318	iPd	29	39.19	6.4X	NAO	84.38	29	P	35	16.93	-2.8	AGG	1.18	288	ePb	39	38.22	-0.3	
Z	18s	1.60um			4.8MsZ		LOR	84.43	43	eP	35	20.20	0.0				eSb	39	55.32		
		ePP		30	48.19		Z	23s	0.30um			4.6MsZ		PAIG	1.27	357	iPb	39	39.41	-0.6	
		eS		35	12.19		NB2	84.49	28	P	35	17.30	-3.0		1.68	5	iPb	39	46.66	0.7	
		iPcS		35	42.19			1.0s	27.60nm			5.4mb		LIT	1.75	326	ePb	39	46.70	-0.3	
		eLQ		38	52.19		SMF	84.58	43	eP	35	20.80	-0.2				eSb	40	11.84		
		eLR		40	26.19			0.8s	3.65nm			4.6mb		THE	2.07	343	ePn	39	51.41	-0.2	
RSNY	34.12	24	(P)	29	32.16	-1.3	LBF	84.58	43	eP	35	20.80	-0.2	SOH	2.18	352	ePn	39	53.12	-0.2	
MCMT	34.61	335	iPc	29	39.00	1.1	ENN	84.80	39	eP	35	23.50	1.6				eSn	40	20.84		
BKS	34.70	318	eP	29	45.09	6.6X		0.8s	9.50nm			5.0mb		SRS	2.46	357	ePn	39	56.48	-0.7	
Z	18s	1.40um			4.7MsZ		WTS	84.99	38	eP	35	24.50	1.7				eSn	40	29.68		
		ePP		31	13.09			0.9s	18.90nm			5.3mb		GRG	2.53	336	ePn	40	00.06	1.9	
		eS		35	17.09		WLF	85.25	40	iPc	35	26.01	1.8	KNT	2.59	345	iPn	39	58.81	-0.2	
		ePcS		35	52.09			1.2s	14.30nm			5.1mb					eSn	40	32.36		
		i		36	45.09		VITF	85.56	41	P	35	27.62	1.8	ALN	2.84	37	ePn	40	02.56	-0.1	
		eLQ		39	20.09		HAU	85.85	42	eP	35	27.80	0.5		S.D. = 0.9	on 10	of 10	obs.			
		eLR		40	40.09			0.9s	15.55nm			5.2mb									
ORV	35.23	321	ePc	29	43.67	0.7	Z	19s	0.38um			4.8MsZ			SEP 20, 1993	02h 29m	22.49± 0.45s				
Z	19s	1.00um			4.6MsZ		HFS	85.96	29	ePKP	35	26.80	-0.7		40.954 N ± 4.6km		22.717 E ± 3.7km				
		ePPd		31	16.67			0.6s	1.80nm			4.5mb			DEPTH = 10.0km		(geophysicist)				
		iS		35	30.67		BSF	86.19	42	eP	35	29.20	0.1	GREECE			(364)				
		iPcS		36	00.67			1.0s	14.00nm			5.1mb			ML 2.5 (THE).						
		eSS		37	53.67		ECH	86.31	41	P	35	30.47	0.9	GRG	0.24	271	ePg	29	27.01	-0.6	
		eLQ		39	27.67		CDP	86.33	41	eP	35	30.10	0.4				eSg	29	30.46		
		eLR		40	32.67			1.1s	17.10nm			5.2mb		KNT	0.25	33	iPg	29	28.21	0.4	
ULM	35.88	357	eP	29	48.50	0.1	LOMF	86.35	42	P	35	30.69	0.8				eSg	29	32.02		
WDC	36.48	321	ePc	30	04.21	10.6X	MOF	86.40	42	P	35	31.56	1.4	THE	0.37	149	ePg	29	29.58	-0.6	
Z	19s	1.00um			4.6MsZ		HOFF	86.60	40	P	35	32.43	1.5				eSg	29	32.82	0.2	
		iPPd</																			

20d 02h

eSg 29 52.14
 FNA 1.03 261 ePg 29 42.66 0.7
 eSg 29 56.26
 PAIG 1.26 144 iPb 29 46.10 0.2
 iSb 30 04.22
 SKO 1.40 317 ePn 29 47.20 -0.8
 OHR 1.46 277 ePn 29 49.50 0.6
 AGG 1.95 189 ePb 29 56.54 0.5
 S.D. = 0.6 on 11 of 11 obs.
 * SEP 20, 1993 02h 35m 43.03± 0.63s
 6.028 N ±10.0km 127.005 E ±18.0km
 DEPTH = 33.0km (normal)
 4.3mb (3 obs.)
 PHILIPPINE ISLANDS REGION (248)
 BIP 2.31 341 iPc 36 18.00 -1.5
 iS 36 42.00
 CTB 3.02 293 eP 36 30.00 0.3
 iS 37 00.00
 CGP 3.33 317 iPc 36 35.00 1.0
 iS 37 12.00
 MAP 5.21 325 iPc 37 01.00 0.2
 iS 37 49.00
 PLP 5.48 339 ePd 37 03.80 -0.8
 GQP 9.02 331 eP 37 55.00 0.9
 MTN 19.19 168 eP 40 06.30 -0.7
 KNA 21.71 175 eP 40 34.50 1.2
 WRA 26.80 165 P 41 22.00 -0.2
 0.6s 3.30nm 4.1mb
 WB2 26.80 165 eP 41 21.10 -1.1
 0.3s 12.10nm 5.0mb
 i 41 24.60
 e 44 13.20
 QIS 29.18 155 eP 41 44.30 0.6
 CTA 32.12 144 iPd 42 11.70 1.9
 0.6s 44.00nm 5.5mb X
 NWA0 39.84 193 eP 43 13.30 -1.9
 STK 40.18 161 eP 43 18.10 0.1
 2.0s 7.70nm 4.1mb
 GBA 49.34 283 P 44 51.00 19.4X
 S.D. = 1.2 on 14 of 15 obs.
 ? SEP 20, 1993 04h 22m 54.69± 1.49s
 41.550 N ±13.6km 2.591 E ± 6.7km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)
 mbLg 2.9 (MDD). ML 2.8 (LDG).
 ETER 0.78 15 iP 23 09.10 -0.7
 eS 23 16.90
 PERF 0.96 13 Pg 23 12.44 -0.5
 TRGS 1.06 334 Pg 23 14.86 0.1
 MTHF 1.39 358 Pg 23 20.28 0.2
 LSPF 1.49 340 Pg 23 22.88 1.4
 SALF 1.60 320 Pg 23 25.41 2.3
 EROQ 1.80 247 eP 23 35.50 9.5X
 eS 24 01.30
 EPF 2.23 312 Pn 23 30.80 -1.5
 Pg 23 35.60
 Sg 24 02.90
 EGRA 2.26 287 eP 23 32.30 -0.4
 eS 23 56.50
 LPO 3.30 342 Pn 23 47.10 -0.3
 Pg 23 55.90
 Sg 24 35.10
 LRG 3.37 54 Pn 23 48.70 0.2
 Sn 24 27.50
 CAF 3.40 354 Pn 23 49.20 0.4
 Pg 23 57.40
 Sg 24 37.20
 LMR 3.40 57 Pn 23 49.60 0.7
 Pg 23 58.50
 Sn 24 26.30
 LFF 3.65 339 Pn 23 50.80 -1.5
 Pg 24 00.90
 Sg 24 45.70
 RJF 3.83 349 Pg 24 03.90 8.9X
 Sg 24 50.00
 PGF 4.87 76 Pn 24 09.40 -0.5
 Sn 25 01.50
 BGF 5.01 2 Pg 24 25.80 14.2X
 Sg 25 28.30
 S.D. = 1.1 on 14 of 17 obs.
 * SEP 20, 1993 04h 32m 01.67± 0.60s
 39.634 N ± 6.8km 29.022 E ± 6.2km

DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 3.1 (ISK).
 KCT 0.80 320 iPg 32 17.00 -0.2
 iSg 32 30.00
 ALT 1.02 124 ePn 32 20.70 -0.4
 EDC 1.14 309 iPn 32 23.00 0.0
 GPA 1.19 56 iPn 32 23.90 0.1
 KHL 1.37 163 ePn 32 27.20 0.4
 CTT 1.58 344 ePn 32 30.00 0.3
 EZN 2.09 276 ePn 32 37.00 -0.1
 S.D. = 0.3 on 7 of 7 obs.
 ? SEP 20, 1993 04h 44m 11.50± 1.24s
 16.621 N ± 8.7km 61.786 W ±15.1km
 DEPTH = 10.0km (geophysicist)
 LEEWARD ISLANDS (92)
 ML 2.4 (FDF).
 BPA 0.43 351 eP 44 20.25 0.0
 S 44 26.43
 PAG 0.60 170 ePd 44 23.57 0.0
 S 44 32.02
 SFG 0.67 123 eP 44 25.15 0.3
 DEG 0.76 114 eP 44 26.17 -0.2
 S 44 35.48
 S.D. = 0.4 on 4 of 4 obs.
 * SEP 20, 1993 04h 49m 00.09± 1.32s
 10.889 N ± 9.9km 62.259 W ±10.6km
 DEPTH = 86.2 ± 29.6 km
 NEAR COAST OF VENEZUELA (97)
 MD 3.1 (TRN).
 TCE 0.53 111 eP 49 14.61 -0.3
 TRN 0.87 106 eP 49 18.13 -0.2
 eS 49 30.01
 TPP 0.98 125 eP 49 20.44 0.9
 eS 49 35.01
 TBH 1.24 109 eP 49 22.80 0.1
 eS 49 39.34
 GRW 1.39 25 eP 49 24.74 0.0
 eS 49 41.71
 BOT 1.54 80 eP 49 25.64 -0.9
 SVB 2.57 22 eP 49 40.80 0.4
 eS 50 17.05
 SVV 2.62 23 eP 49 41.40 0.2
 eS 50 18.11
 OLLA 4.55 259 iP 50 07.90 -0.2
 S.D. = 0.6 on 9 of 9 obs.
 ? SEP 20, 1993 05h 08m 37.56± 2.52s
 16.933 N ± 8.1km 61.949 W ±25.8km
 DEPTH = 10.0km (geophysicist)
 LEEWARD ISLANDS (92)
 ML 3.2 (FDF).
 BPA 0.14 38 ePd 08 40.94 0.0
 S 08 45.63
 PAG 0.93 164 eP 08 55.33 -0.1
 S 09 11.33
 SFG 0.99 133 ePd 08 56.60 0.3
 DEG 1.05 126 ePc 08 57.13 -0.3
 S 09 15.12
 MGG 1.18 149 eP 08 59.63 0.1
 S.D. = 0.3 on 5 of 5 obs.
 SEP 20, 1993 05h 29m 33.84± 0.41s
 40.948 N ± 4.3km 22.725 E ± 3.3km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 2.4 (THE).
 GRG 0.25 272 iPg 29 38.58 -0.5
 eSg 29 42.32
 KNT 0.25 31 iPg 29 39.77 0.6
 eSg 29 43.60
 THE 0.36 150 iPg 29 41.17 -0.2
 iSg 29 46.58
 SOH 0.49 105 ePg 29 44.36 0.5
 iSg 29 51.50
 SRS 0.68 75 ePg 29 46.84 -0.4
 eSg 29 56.92
 LIT 0.87 192 ePg 29 50.80 0.3
 eSg 30 02.84
 FNA 1.04 261 ePg 29 52.68 -0.8

eSg 30 06.64
 OUR 1.14 122 ePg 29 54.44 -0.6
 PAIG 1.25 144 ePb 29 57.36 0.2
 iSb 30 14.40
 SKO 1.41 317 ePn 29 59.50 0.0
 OHR 1.47 277 ePn 30 01.20 0.8
 AGG 1.95 189 ePb 30 07.96 0.6
 ALN 2.52 90 ePn 30 14.84 -0.6
 S.D. = 0.6 on 13 of 13 obs.
 * SEP 20, 1993 05h 54m 27.85± 0.80s
 44.267 N ± 5.7km 8.216 E ± 5.9km
 DEPTH = 5.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.8 (GEN).
 FIN 0.06 185 P 54 29.93 0.5
 S 54 31.16
 ROB 0.25 276 P 54 33.50 0.6
 S 54 37.25
 PCP 0.36 41 P 54 35.02 -0.1
 S 54 39.60
 IMI 0.43 214 P 54 35.96 -0.5
 ENR 0.57 266 P 54 39.46 0.1
 S 54 47.47
 STV 0.64 268 P 54 40.11 -0.6
 BHB 0.89 310 P 54 45.46 0.0
 S.D. = 0.5 on 7 of 7 obs.
 * SEP 20, 1993 05h 57m 18.79s
 32.062 N 114.912 W
 DEPTH = 6.0km (geophysicist)
 W. ARIZONA-SONORA BORDER REGION (46)
 <PAS-P>. ML 2.7 (PAS).
 GLA 0.99 4 ePd 57 35.79 -2.2
 PLM 2.09 309 (P) 57 56.27 1.3
 eS 58 25.73
 TUC 3.51 85 ePg 58 26.61 11.6
 3 obs. associated
 ? SEP 20, 1993 06h 07m 49.08± 8.24s
 17.649 N ±60.9km 65.895 W ±36.5km
 DEPTH = 33.0km (normal)
 PUERTO RICO REGION (90)
 CPD 0.39 357 iP 07 58.00 -0.1
 SJG 0.52 332 iP 08 00.00 0.0
 LPR 0.66 2 iP 08 02.00 0.1
 S 08 13.50
 CLLP 0.78 304 iP 08 03.80 0.2
 S 08 16.30
 PORP 0.81 300 iP 08 03.90 -0.2
 S.D. = 0.2 on 5 of 5 obs.
 ? SEP 20, 1993 06h 44m 57.13± 1.11s
 20.486 S ± 8.1km 68.974 W ±14.8km
 DEPTH = 120.0km (geophysicist)
 CHILE-BOLIVIA BORDER REGION (124)
 ANT 3.47 202 eP 45 50.00 -0.4
 YJA 3.64 118 ePc 45 53.50 0.3
 CNCB 3.77 15 iPd 45 56.70 1.6
 LPB 4.02 12 P 45 56.30 -2.0
 1.0s 60.00nm
 CCH 4.09 42 P 45 58.50 -0.7
 LPAZ 4.25 11 Pd 46 02.70 1.1
 HJA 4.28 130 ePd 46 02.40 1.0
 SIV 8.74 61 P 46 56.80 -5.3X
 PPD 16.54 98 eP 48 42.30 -1.0
 RSTA 18.87 106 (P) 49 07.00 -3.8X
 S.D. = 1.4 on 8 of 10 obs.
 * SEP 20, 1993 06h 54m 43.87± 0.68s
 26.929 S ± 6.9km 26.697 E ± 6.5km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 3.2 (PRE).
 BFS 0.08 69 iPc 54 46.00 0.1
 S 54 46.30
 PRY 0.69 90 eP 54 57.00 -0.8
 S 55 05.60
 KSR 1.08 10 eP 55 03.90 -0.8
 S 55 16.50
 SWZ 1.25 258 eP 55 08.20 0.6
 S 55 25.60

20d 06h

SEK	1.61	150	iPd	55	14.10	0.9	GLA	27.43	317	eP	12	15.32	-1.1	LPB	39.12	141	eP	25	55.00		
			S	55	34.40		CBN	27.44	27	eP	12	15.00	-1.3		Z	21s	0.72um	14	01.00	2.6	
SLR	1.85	50	iPd	55	17.60	0.9	GLD	27.63	339	eP	12	17.86	-0.5							4.5Msz	
			S	55	41.00			1.6s	49.48nm				4.9mb				LR	20	30.00		
BLF	2.22	192	iPc	55	22.50	0.5	GOI	27.64	339	ePc	12	18.65	0.1	CNCB	39.41	141	eP	14	01.00	0.1	
			S	55	49.00			0.8s	17.36nm				4.8mb	DPW	39.59	333	eP	13	59.50	-2.0	
BFT	3.25	68	eP	55	37.00	0.3	PV08	27.98	333	ePc	12	22.55	0.8	LON	40.47	329	(P)	14	07.36	-1.4	
			S	56	15.00		PV10	27.99	332	ePc	12	21.29	-0.4	CCH	40.99	139	eP	14	15.00	1.4	
HVD	3.81	196	eP	55	43.00	-1.7	PV09	28.14	332	eP	12	23.54	0.5	SIV	43.41	133	P	14	32.40	-0.8	
			S	56	26.00		PLM	28.98	315	eP	12	30.20	-0.4	YKA	50.58	347	eP	15	28.30	-0.6	
SUR	7.46	222	eP	56	41.50	5.2X	SRU	29.27	331	ePc	12	33.27	0.1		0.8s	21.20nm				5.2mb	
			S	58	07.00		PEC	29.49	316	eP	12	35.11	0.1	BALM	58.66	334	(P)	16	26.97	-1.0	
	S.D. = 1.0	on	9 of 10 obs.					1.7s	38.96nm				4.9mb	INK	59.96	344	eP	16	36.00	-0.7	
							MSU	29.62	328	eP	12	36.50	0.1		1.0s	8.00nm				4.8mb	
% SEP 20, 1993	06h	58m	46.78± 1.24s				ARUT	29.75	326	iPc	12	38.27	0.8	FBA	62.70	337	eP	16	53.05	-2.2	
43.042 N ±10.4km			0.932 W ± 8.1km				GSC	30.10	318	ePc	12	40.60	0.1		1.6s	22.87nm				5.1mb	
DEPTH = 5.0km	(geophysicist)						DAU	30.65	332	ePc	12	46.06	0.5	ADK	75.17	320	(P)	18	10.82	-1.6	
PYRENEES			(378)				DUG	31.22	330	eP	12	51.04	0.7	EKA	78.15	36	Pc	18	28.30	-0.7	
ML 1.0 (STR).								1.2s	8.88nm				4.5mb		0.8s	8.10nm				4.8mb	
BOH	0.08	316	Pg	58	48.91	0.1	RSSD	31.26	344	eP	12	50.56	-0.2	TCF	83.19	44	eP	18	54.10	-1.8	
			Sg	58	50.69			0.8s	7.53nm				4.6mb	AVF	83.83	43	eP	18	57.10	-2.0	
ISSF	0.10	98	Pg	58	49.39	0.3	BINY	31.36	24	(P)	12	50.40	-1.0		0.8s	4.55nm				4.7mb	
MADF	0.13	38	Pg	58	49.63	0.1		0.7s	9.52nm				4.7mb	SSF	83.87	43	eP	18	58.20	-1.1	
			Sg	58	52.05		ISA	31.40	317	eP	12	51.91	0.0	LOR	84.05	43	eP	18	58.60	-1.7	
MADF	0.13	38	Pg	58	49.80	0.2X		1.7s	23.50nm				4.7mb		0.8s	6.70nm				4.9mb	
			Sg	58	51.97		BW06	31.87	336	ePc	12	55.57	-0.6	NB2	84.24	28	P	19	02.00	1.1	
ELYF	0.14	341	Pg	58	49.47	-0.2		1.7s	24.02nm				4.8mb	HFS	85.70	29	ePKP	19	07.20	-1.0	
			Sg	58	51.47		BCH	32.21	315	(P)	12	59.89	0.8		0.4s	0.80nm				4.3mb	
ATE	0.18	75	Pg	58	50.28	-0.1	HVU	32.43	331	ePc	13	01.17	0.2	LPL	86.43	44	eP	19	11.70	-0.8	
			Sg	58	53.12		BONR	32.69	321	ePc	13	04.07	0.6	LPG	86.45	44	eP	19	11.40	-1.2	
LHE	0.26	119	Pg	58	51.90	-0.2	PTI	33.12	333	(P)	13	07.34	0.4	GEC2	89.84	39	PKP	19	28.10	-0.4	
			Sg	58	55.85		HHA1	33.46	334	ePc	13	10.24	0.4		1.0s	1.58nm				4.2mb	
	S.D. = 0.3	on	6 of 7 obs.				SAO	34.00	316	ePd	13	21.01	6.5X	WB2	134.75	256	ePKP	25	49.60	0.1	
							Z	18s	0.60um				4.4Msz		0.7s	1.80nm					
SEP 20, 1993	07h	06m	31.54± 0.39s						eS	18	52.01			CHTO	145.15	340	ePKP	26	00.20	-8.0X	
14.289 N ± 6.7km			92.743 W ± 5.3km						eLQ	22	27.01				1.8s	51.06nm					
DEPTH = 33.0km	(normal)						CMB	34.04	319	ePd	13	21.63	6.8X	LOE	145.42	335	ePKP	26	07.90	-0.8	
4.8mb (22 obs.)	4.7Msz (9 obs.)						Z	19s	1.20um				4.6Msz	HYB	147.35	16	ePKP	26	14.00	2.2	
NEAR COAST OF CHIAPAS, MEXICO	(69)								e	14	41.63			NST	147.62	336	ePKP	26	13.40	1.2	
Ms 4.6 (BRK). Felt at Mexico City.									eSS	21	18.64				S.D. = 1.1	on 79 of 95 obs.					
									eLQ	22	51.64			? SEP 20, 1993	07h	21m	17.42± 4.95s				
TPX	0.77	37	iP	06	51.00	5.1X			eLR	24	27.64				20.514 S ±23.9km		178.219 W ±31.7km				
			iS	07	07.00		MCMT	34.90	335	eP	13	23.90	1.5			DEPTH = 585.6 ± 51.9 km					
SCX	2.43	2	iP	07	14.25	4.4X	BKS	35.14	317	ePd	13	32.09	7.8X			4.4mb (6 obs.)					
			iS	07	47.00		Z	19s	1.40um				4.7Msz			FIJI ISLANDS REGION				(181)	
OXX	4.73	306	iP	07	42.50	-0.2			ePPc	15	01.09			DZM	14.38	261	iPc	24	20.90	1.1	
			(S)	08	35.00				eS	19	11.09			CTA	33.28	264	iPd	27	09.80	0.6	
LVM	6.47	327	eP	08	07.00	0.0			eSS	21	50.09				0.5s	157.04nm				5.9mb X	
IIT	7.11	312	eP	08	17.25	1.0			eLQ	23	20.09			STK	37.60	244	iPd	27	45.60	0.9	
			(S)	09	35.00				eLR	24	34.09				1.0s	7.30nm				4.2mb	
ACX	7.32	291	(P)	08	16.50	-2.4	ORV	35.65	320	eP	13	29.17	0.7	WB2	44.38	262	iPc	28	38.30	-0.4	
PPM	7.37	311	iP	08	20.50	0.4	ORV	35.65	320	ePd	13	36.67	8.2X		0.5s	16.70nm				4.8mb	
			(S)	09	50.00		Z	19s	1.10um				4.6Msz	WRA	44.39	262	P	28	38.70	-0.1	
IIA	7.45	311	iP	08	21.00	0.3			ePPd	15	03.67				0.5s	6.30nm				4.4mb	
UNM	7.95	310	eP	08	28.00	0.0			eS	19	18.67			MTN	48.96	271	eP	29	12.00	-1.5	
			(S)	10	09.00				eLQ	23	23.67			COOL	55.03	246	eP	29	56.00	-1.0	
CRX	8.37	308	(P)	08	33.00	-0.8	ULM	35.95	357	eP	13	31.50	0.6	MBL	57.56	257	eP	30	14.00	-0.4	
MRX	9.71	305	eP	08	49.50	-2.6X	MIN	36.19	321	ePc	13	36.71	3.5X		0.6s	20.00nm				4.6mb	
CGX	11.58	299	(P)	09	17.50	-0.3		Z	19s	2.10um			4.9Msz	NWAO	58.18	243	eP	30	18.50	0.0	
AGX	11.81	311	(P)	09	21.50	0.8			ePPc	15	05.71			BAL	58.86	246	eP	30	22.80	-0.3	
LTX	18.06	328	eP	10	41.71	-0.1			eS	19	29.71			MUN	59.13	244	eP	30	25.00	0.2	
UYO	19.85	356	iPd	11	11.20	8.5X			eSS	22	15.71			MRWA	59.65	247	eP	30	28.20	-0.1	
PSO	20.04	129	eP	11	09.00	3.7X			eLQ	23	53.71			CSY	63.87	205	eP	30	54.30	-0.6	
OXF	20.36	8	eP	11	04.16	-3.8X			eLR	24	42.71				0.7s	9.80nm				4.4mb	
BOG	20.76	116	eP	11	17.00	4.4X	WDC	36.90	321	ePd	13	47.21	8.2X	SPA	69.61	180	iPd	31	29.80	-0.4	
			eS	15	11.00		Z	19s	1.30um				4.7Msz		0.8s	4.17nm				4.0mb	
WMOK	21.08	346	eP	11	13.94	-1.5			ePP	15	17.21			FBA	88.30	12	eP	33	05.40	-2.4	
	1.1s	29.16nm				4.6mb			eS	19	30.21			KSP	147.64	343	iPKP	39	56.80	2.7	
TUL	21.70	353	iP	11	23.30	1.6			eSS	22	28.21			CLL	148.03	347	iPKPd	39	57.20	2.6	
HBF	21.71	29	eP	11	23.76	2.1			eLQ	24	10.21				0.8s	12.00nm					
PRM	21.83	24	eP	11	22.81	-0.2			eLR	25	56.21			BRG	148.22	345	iPKP	39	58.10	3.1X	
SGS	21.86	28	eP	11	25.93	2.7	LBFM	36.97	322	eP	13	40.18	0.3		0.8s	13.00nm					
MYNC	22.10	19	eP	11	26.54	0.8	YBH	37.70	322	eP	13	47.52	1.7	MOX	148.94	348	ePKP	40	00.00	3.9X	
	0.9s	25.82nm				4.7mb	Z	19s	1.50um				4.8Msz		Z	18s	0.60um			5.4Msz	
JSC	22.45	26	eP	11	30.37	1.3			eS	19	48.52			KHC	149.93	344	ePKP	40	02.50	4.8X	
ACO	23.04	347	iPd	11	35.20	0.3			eLQ	24	45.52				1.0s	5.40nm					
ELC	23.12	7	eP	11	35.32	-0.3			eLR	26	30.52			GRF	149.93	348	ePKP	40	02.60	5.0X	
ALQ	24.00	331	ePc	11	45.46	1.0	ARC	38.02	320	ePd	13	55.89	7.5X	GEC2	150.16	344	PKP	39	57.10	-1.0	
	0.7s	8.97nm				4.4mb	Z	19s	0.70um				4.5Msz		1.5s	1.62nm					
TUC	24.35	321	ePc	11	49.59	1.8			ePPc	15	36.89					e	40	02.80			
	1.																				

20d 07h

27.821 N \pm 7.7km 92.938 E \pm 5.9km
 DEPTH = 33.0km (normal)
 4.7mb (13 obs.)
 EASTERN XIZANG-INDIA BORDER REG.(313)

GUN 6.25 272 P 42 27.60 -0.1
 KKN 6.78 272 P 42 34.60 -0.4
 DMN 6.95 270 P 42 37.00 -0.3
 KMI 9.18 105 eP 43 17.00 8.6X
 CHTO 10.52 147 eP 43 25.80 -0.8
 LZH 12.39 46 eP 43 52.00 0.0

1.2s 28.00nm 5.3mb
 Z 20s 0.74um 4.2MsZ
 N 18s 0.71um

NDI 13.89 277 eP 44 06.00 -5.7X
 1.0s 15.00nm 4.7mb
 eS 46 31.00

HYB 16.82 235 eP 44 51.00 1.3
 GBA 20.22 229 P 45 34.50 4.5X
 0.7s 2.00nm 3.6mb X

BJI 22.74 52 eP 46 00.00 4.8X
 1.0s 556.00nm 6.0mb X

HFS 61.01 326 eP 51 06.30 -1.0
 0.4s 4.40nm 4.9mb
 NB2 62.12 327 P 51 13.60 -1.3

0.7s 4.30nm 4.7mb
 WB2 62.13 135 iPc 51 15.30 0.0
 0.7s 7.20nm 4.9mb

GEC2 62.76 313 P 51 19.30 0.0
 0.8s 3.68nm 4.6mb
 e 51 25.30

e 51 27.90
 LPG 68.20 311 eP 51 54.50 -0.1
 LPL 68.20 311 eP 51 54.50 -0.1

1.0s 7.60nm 4.7mb
 LBF 69.55 313 eP 52 03.10 0.5
 1.1s 10.00nm 4.8mb

SMF 69.75 313 eP 52 03.40 -0.4
 0.8s 6.05nm 4.7mb
 SSF 69.83 313 eP 52 04.10 -0.1

0.9s 7.35nm 4.7mb
 AVF 70.02 313 eP 52 05.30 -0.1
 0.9s 5.90nm 4.7mb

TCF 70.93 313 eP 52 11.30 0.3
 1.0s 9.00nm 4.8mb
 RJF 71.74 312 eP 52 16.50 0.7

FBA 76.40 23 ePc 52 44.28 1.9
 0.8s 5.62nm 4.6mb
 e 52 50.15

PPD 147.15 272 ePKP 00 38.00 3.4X
 S.D. = 0.8 on 19 of 24 obs.

? SEP 20, 1993 08h 09m 18.15 \pm 5.59s
 31.661 S \pm 44.2km 68.948 W \pm 33.4km
 DEPTH = 112.1 \pm 31.6 km
 SAN JUAN PROVINCE, ARGENTINA (137)

RTCB 0.22 36 ePd 09 40.50 6.1X
 S 09 49.50
 RTLL 0.53 51 iPc 09 36.00 0.3

S 09 45.50
 CFA 0.61 85 iPd 09 36.00 -0.3
 S 09 41.00

RTRS 1.55 343 iPc 09 46.00 0.0
 RTPR 2.49 58 eP 09 58.00 -0.1
 TCA 3.74 86 eP 10 15.10 0.1

(S) 10 58.50
 S.D. = 0.4 on 5 of 6 obs.

? SEP 20, 1993 08h 19m 27.98 \pm 1.12s
 39.248 N \pm 8.3km 27.722 E \pm 12.8km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

IZM 0.92 203 ePg 19 45.60 0.0
 eSg 19 59.50

EDC 1.10 6 ePn 19 48.50 -0.2
 KCT 1.11 26 iPn 19 49.00 0.1
 EZN 1.22 299 ePn 19 50.80 0.1

S.D. = 0.2 on 4 of 4 obs.

& SEP 20, 1993 09h 45m 42.59s
 63.163 N 150.871 W
 DEPTH = 143.5km

CENTRAL ALASKA (1)
 <AEIC>.

TRF 0.39 42 iP 46 02.59 1.2
 eS 46 17.96

KTH 0.39 357 iP 46 02.56 1.3
 eS 46 17.43

HUR 0.59 108 eP 46 03.49 -0.5
 CUT 0.81 160 iP 46 05.00 -0.4
 eS 46 22.94

RND 0.94 74 eP 46 06.07 -0.6
 eS 46 24.31

MCK 1.04 56 eP 46 06.99 -0.4
 SKT 1.23 195 eP 46 09.93 0.8
 eS 46 28.46

PWA 1.59 163 iP 46 12.82 -0.1
 eS 46 36.49

DHY 1.59 92 iP 46 12.69 -0.5
 eS 46 35.84

GHO 1.66 146 iP 46 13.44 -0.5
 eS 46 37.04

SUA 1.71 178 eP 46 15.08 0.7
 PLRM 1.77 152 eP 46 14.17 -0.8

SML 1.80 138 iP 46 14.49 -0.9
 eS 46 39.55

PMS 2.02 162 eP 46 17.45 -0.6
 SCM 2.12 127 eP 46 18.44 -0.8

HDA 2.14 53 eP 46 18.75 -0.7
 BKG 2.20 198 eP 46 20.39 0.2

GLM 2.39 38 iP 46 22.02 -0.5
 TOA 2.42 114 eP 46 21.97 -0.9

CFI 2.46 142 eP 46 22.92 -0.4
 PAX 2.47 92 eP 46 23.07 -0.5

PWL 2.60 152 eP 46 24.19 -1.0
 eS 46 55.67

SLKM 2.68 173 eP 46 26.13 -0.1
 eS 46 58.52

KLU 2.85 124 iP 46 27.30 -1.2
 24 obs. associated

% SEP 20, 1993 09h 47m 33.59 \pm 0.76s
 44.274 N \pm 5.0km 8.225 E \pm 5.6km
 DEPTH = 5.0km (geophysicist)

NORTHERN ITALY (545)
 ML 2.2 (GEN).

FIN 0.07 191 P 47 35.68 0.4
 S 47 36.82

ROB 0.26 275 P 47 39.36 0.6
 S 47 43.07

PCP 0.35 40 P 47 40.85 0.2
 S 47 45.49

IMI 0.44 214 P 47 41.72 -0.6
 ENR 0.58 266 P 47 45.49 0.3

S 47 53.11
 STV 0.65 268 P 47 46.87 0.3
 S 47 54.97

PZZ 0.84 286 P 47 49.55 -0.8
 S 48 01.29

BHB 0.89 310 P 47 51.29 0.1
 RSP 1.12 322 P 47 54.76 -0.3

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

% SEP 20, 1993 09h 55m 06.24 \pm 1.41s
 44.246 N \pm 9.2km 8.379 E \pm 10.4km
 DEPTH = 10.0km (geophysicist)

NORTHERN ITALY (545)
 ML 2.0 (GEN).

FIN 0.13 253 P 55 09.61 0.2
 S 55 12.40

PCP 0.32 22 P 55 12.77 -0.1
 S 55 17.30

ROB 0.37 278 P 55 14.01 0.2
 S 55 19.09

IMI 0.49 227 P 55 16.39 0.2
 ENR 0.69 269 P 55 19.41 -0.5

STV 0.76 270 P 55 20.60 -0.5

BHB 1.00 307 P 55 25.68 0.5

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

SEP 20, 1993 10h 17m 42.06 \pm 0.20s
 0.750 N \pm 4.7km 29.354 W \pm 3.9km
 DEPTH = 10.0km (geophysicist)
 5.8mb (115 obs.) 6.0MsZ (66 obs.)
 CENTRAL MID-ATLANTIC RIDGE (406)
 Mw 6.3 (GS), 6.1 (HRV), Ms 5.9
 (BRK). Mo=3.0*10**18 Nm (PPT).
 MOMENT TENSOR SOLUTION
 Dep 9 No. of sta: 27

Moment Tensor; Scale 10**18 Nm
 Mrr=-0.07 Mtt=-1.45
 Mff= 1.51 Mrt= 0.78
 Mrf=-0.15 Mtf=-2.35

Principal axes:
 T Val= 2.90 Plg=10 Azm= 60
 N -0.02 74 293
 P -2.88 12 152

Best Double Couple:Mo=2.9*10**18
 NP1:Strike=196 Dip=74 Slip=-2
 NP2: 286 88 -164

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 52S, **C

Centroid Location:
 Origin Time 10:17:50.3 0.1
 Lat 0.96N 0.01 Lon 29.10W 0.01
 Dep 15.0 FIX Half-duration 2.7

Moment Tensor; Scale 10**18 Nm
 Mrr= 0.27 0.01 Mtt= 0.04 0.02
 Mff=-0.32 0.02 Mrt=-0.25 0.05
 Mrf= 0.42 0.06 Mtf=-1.70 0.01

Principal Axes:
 T Val= 1.72 Plg=18 Azm=223
 N 0.13 72 29
 P -1.85 4 131

Best Double Couple:Mo=1.8*10**18
 NP1:Strike=266 Dip=75 Slip= 170
 NP2: 358 80 16

MBO 18.28 42 iPc 21 56.10 -1.4
 BDF 24.53 228 eP 23 02.00 -1.3

i 23 04.50
 i 23 12.00
 i 23 20.00

i 23 34.00
 i 23 51.60
 i 26 40.00

BAO 24.58 228 Pc 23 03.80 0.0
 i 23 05.50

LIC 24.87 77 P 23 05.60 -0.9
 1.0s 765.00nm 6.3mb
 S 27 36.02

TIC 24.97 76 P 23 06.42 -1.0
 1.1s 949.00nm 6.4mb
 S 27 40.04

KIC 25.18 77 eP 23 08.56 -0.8
 1.1s 1239.50nm 6.5mb
 eS 27 44.20

eTT 42 40.00
 CACB 28.02 216 eP 23 30.20 -5.4X
 e 23 36.90

eS 28 27.80
 CACB 28.02 216 iPc 23 36.60 1.0
 e 28 27.70

VAO2 29.11 214 eP 23 47.70 2.3
 VAO 29.18 215 e(P) 23 48.00 2.0

PPD 31.17 222 eP 24 04.80 1.1
 e 24 23.90

RSTA 31.64 216 eP 24 06.40 -1.4
 e 24 10.10

PAG 35.31 297 eP 24 36.00 -3.7X
 SIV 35.46 241 P 24 40.50 -0.5

JHA 36.11 30 iP 24 49.00 2.8
 TIO 36.60 33 eP 24 52.00 1.5

i 25 17.50
 AVE 38.38 30 iP 25 05.50 0.2
 i 26 06.00

TNF 38.89 33 iP 24 58.50 -11.0X
 ZFT 39.05 35 iP 24 56.00 -14.9X

IFR 39.74 32 iPd 25 21.00 4.1X
 SJG 40.05 298 eP 25 17.19 -2.2

1.1s 107.11nm 5.4mb
 PORP 40.46 297 iP 25 21.00 -1.8

CCH 40.46 242 P 25 23.40 0.2
 MGP 40.84 297 iP 25 25.00 -0.9

PLAT 41.45 29 iP 25 34.00 3.3X
 OJEN 41.54 30 iP 25 35.00 3.5X

MOMI 41.63 29 iP 25 36.00 3.9X
 RANB 41.68 28 iP 25 34.00 1.5

LPZ 41.84 244 iPc 25 34.10 -0.8
 S 31 57.70
 LR 37 24.00

EJIF 41.85 29 iPc 25 37.21 3.3X
 SDV 41.88 282 iPd 25 35.00 0.3

CNCB 41.89 244 iPc 25 25.30 -9.9X
 LPB 41.90 244 iPc 25 35.20 0.1

20d 10h

1.0s	500.00nm	6.2mb	1.0s	47.60nm	5.4mb	HAU	56.29	28 eP	27 23.90	-1.4				
Z 16s	47.14um	6.5MsZ	TCF	53.12	27 eP	27 01.00	-1.1	1.0s	135.60nm	5.9mb				
	S	31 57.00		1.0s	88.80nm	5.7mb	Z 22s	18.27um	6.1MsZ					
	LR	37 25.00	LRG	53.12	32 eP	27 00.90	-1.2	SDI	56.31	38 P	27 24.61	-0.9		
GIBL	41.92	28 iP	25 37.00	2.5	1.6s	143.05nm	5.7mb	PGD	56.35	35 P	27 24.62	-1.3		
YJA	41.96	235 ePd	25 36.00	0.4	Z 20s	8.95um	5.8MsZ	BSF	56.38	29 eP	27 24.40	-1.6		
ALJ	41.96	29 eP	25 38.00	3.0X	MAF	53.23	27 eP	27 02.00	-0.9	1.1s	120.65nm	5.8mb		
EVAL	42.16	27 iPd	25 36.41	-0.1		1.0s	144.00nm	5.9mb	ASS	56.41	36 P	27 26.19	0.0	
TAF	42.20	34 iP	25 39.00	2.1	FRF	53.34	32 eP	27 02.30	-1.5	AQU	56.43	37 P	27 25.95	-0.4
	i	25 44.00		1.3s	48.40nm	5.3mb	MIM	56.44	327 eP	27 25.78	-0.5			
LIJA	42.24	29 eP	25 41.00	3.8X	AGO	53.36	28 P	27 03.68	-0.2	SFI	56.45	35 P	27 26.31	-0.1
EMEL	42.26	33 iPc	25 41.01	3.7X	GRR	53.45	23 eP	27 03.30	-1.2	BBS	56.47	29 P	27 25.65	-0.9
EPRU	42.38	29 eP	25 40.99	2.7		0.9s	57.65nm	5.6mb	MGR	56.55	40 P	27 26.77	-0.4	
EHOR	43.05	28 iPd	25 43.72	0.0	SSB	53.47	29 P	27 04.25	-0.5	MOF	56.56	29 P	27 26.10	-1.1
EGUA	43.10	31 iPc	25 46.83	2.6	VAL	53.48	15 P	27 11.00	6.4X	BLE	56.68	132 iPc	27 27.00	-1.2
SLA	43.20	232 ePc	25 45.00	-0.4			S	34 42.00		1.0s	150.00nm	6.0mb		
ELUQ	43.32	29 iPc	25 46.58	0.6	CALN	53.60	32 P	27 07.21	1.4	DUI	56.68	38 P	27 28.87	0.6
ECOG	43.45	30 iPc	25 48.89	1.8	BGF	53.61	27 eP	27 04.80	-0.9	LSCT	56.73	322 P	27 40.00	11.5X
ENIJ	43.91	32 P	25 50.34	-0.4		1.0s	98.00nm	5.8mb	Z 21s	10.48um	5.9MsZ			
EBAN	44.03	29 eP	25 51.30	-0.4	FAI	53.78	42 P	27 08.81	1.8	PAL	56.79	321 eP	27 29.45	0.6
EHUE	44.35	31 eP	25 56.13	1.7	MVIF	53.84	32 P	27 07.21	-0.4	VDL	56.79	31 P	27 28.30	-0.8
EHUE	44.35	31 P	25 48.63	-5.8X	FLN	53.90	23 eP	27 06.30	-1.5	ECH	56.83	28 P	27 27.96	-1.1
EPLA	44.50	26 iPd	25 54.92	-0.6		0.9s	69.10nm	5.7mb	ARV	56.83	36 P	27 29.19	0.0	
BOG	44.82	276 iPc	26 01.00	2.1	LDF	53.91	24 eP	27 06.50	-1.3	PNJ	56.89	320 iP	27 30.25	0.7
	iS	32 40.00		0.8s	41.75nm	5.5mb			ZLA	56.92	30 ePd	27 29.00	-0.8	
PAB	44.85	28 iPc	25 57.50	-0.9	AURF	53.93	32 P	27 07.88	-0.3	CER	56.92	131 eP	27 27.00	-3.0
	iS	32 33.00		MCT	53.94	42 P	27 11.93	3.5X	1.0s	300.00nm	6.3mb			
ARE	44.94	246 eP	25 57.00	-2.8	PGF	53.97	35 eP	27 06.90	-1.6	FEL	57.00	29 P	27 29.24	-1.2
EALH	44.99	32 eP	26 01.67	2.2		1.1s	112.35nm	5.8mb	CDF	57.02	28 eP	27 28.90	-1.6	
EVIA	45.03	30 eP	25 59.19	-0.7	SBF	53.97	32 eP	27 07.30	-1.1	1.2s	139.25nm	5.9mb		
EZAM	45.21	22 eP	25 58.36	-2.8		1.1s	151.90nm	5.9mb	DOU	57.03	25 P	27 28.90	-1.6	
GUD	45.82	27 eP	26 05.44	-0.7	TOUF	53.97	32 P	27 08.41	-0.2	0.9s	90.00nm	5.8mb		
STS	45.91	21 eP	26 05.04	-1.6	AVF	54.02	27 eP	27 07.50	-1.1		ed	27 37.50		
ACU	46.01	32 eP	26 09.77	2.2		0.9s	28.65nm	5.3mb	WLS	57.06	28 P	27 29.61	-1.1	
TCA	46.20	223 ePd	26 07.50	-1.8	HYF	54.05	26 eP	27 07.80	-1.1	CBM	57.06	329 eP	27 29.18	-1.5
ECHE	46.53	30 eP	26 11.51	-0.1	AUTN	54.06	32 P	27 09.01	-0.2	1.1s	115.29nm	5.8mb		
ECHE	46.53	30 P	26 06.15	-5.5X	SMF	54.13	28 eP	27 08.60	-0.9	Z 21s	7.87um	5.8MsZ		
ETOR	46.93	28 iPc	26 15.19	0.3		0.9s	58.80nm	5.6mb	ORI	57.09	41 P	27 32.36	1.3	
PSO	47.97	271 eP	26 24.00	0.1	STV	54.17	32 P	27 09.03	-0.9	SLE	57.16	30 ePd	27 30.40	-1.1
BCAO	47.97	85 iPd	26 23.00	-0.4	ENR	54.21	32 P	27 09.12	-1.1	SNF	57.21	25 P	27 31.60	-0.1
	0.8s	109.00nm	6.0mb		USI	54.23	41 P	27 11.63	1.4	OSS	57.27	31 ePd	27 30.90	-1.6
	ic	26 53.00		PZZ	54.23	32 P	27 09.89	-0.5	WLF	57.40	27 P	27 35.00	2.0	
	id	28 22.50		IMI	54.25	33 P	27 08.34	-2.1	LBNH	57.43	325 eP	27 32.64	-0.7	
ECRI	48.13	27 P	26 26.80	2.5	SSF	54.29	27 eP	27 09.40	-1.2	1.1s	55.25nm	5.5mb		
EBR	48.19	30 eP	26 24.00	-0.6		1.0s	37.20nm	5.4mb	Z 21s	7.76um	5.8MsZ			
	eS	33 28.00		DOI	54.30	32 P	27 12.27	1.4	UCC	57.46	25 P	27 36.00	2.6	
ESEL	48.69	33 eP	26 28.38	-0.2	RRL	54.35	31 P	27 09.53	-1.9		S	35 35.00		
NNA	48.82	253 eP	26 27.00	-3.0	LBF	54.45	28 eP	27 10.80	-1.1	SUR	57.65	130 iPd	27 39.00	3.6X
	1.1s	69.62nm	5.6mb			0.9s	108.10nm	5.9mb	1.0s	240.00nm	6.2mb			
EGRA	48.83	29 eP	26 31.29	1.8	ROB	54.49	32 P	27 10.95	-1.3	Z 22s	74.70um	6.8MsZ		
CFA	48.90	225 e(P)	26 29.00	-1.4	BHB	54.54	31 P	27 10.35	-2.2	CBN	57.66	316 eP	27 35.00	-0.1
RTLL	48.92	226 iPc	26 31.00	0.5	LOR	54.60	27 eP	27 11.60	-1.4	CTI	57.66	33 P	27 34.00	-1.1
ELIZ	49.01	27 P	26 33.27	2.3		0.9s	58.30nm	5.6mb	CAV	57.72	32 eP	27 37.10	1.6	
RTRS	49.02	228 eP	26 31.50	0.3	Z 20s	15.73um	6.1MsZ		1.3s	120.00nm	5.8mb			
BOH	49.20	27 P	26 33.27	0.7	FIN	54.62	33 P	27 10.72	-2.4	SGS	57.80	309 eP	27 36.52	0.4
LHE	49.23	28 P	26 33.27	0.5	LPG	54.73	31 eP	27 13.80	-0.5	CEH	57.84	313 eP	27 35.52	-0.8
RTCB	49.24	226 iPc	26 32.00	-1.0		1.2s	89.55nm	5.7mb	2.1s	851.92nm	6.4mb			
ISSF	49.24	28 P	26 34.83	2.0	LPL	54.73	30 eP	27 13.60	-0.6	Z 22s	9.31um	5.9MsZ		
ELYF	49.26	27 P	26 33.31	0.4		1.1s	59.60nm	5.5mb	OGA	57.85	32 eP	27 34.70	-1.8	
MADF	49.32	27 P	26 33.83	0.4	RSP	54.75	31 P	27 12.00	-2.2	ENN	58.10	26 eP	27 39.00	1.1
ATE	49.33	28 P	26 33.27	-0.2	CKI	54.80	32 P	27 16.31	1.8	1.4s	189.20nm	5.9mb		
ESCF	49.38	28 P	26 34.46	0.6	LSD	54.91	31 P	27 12.59	-3.0	PKA	58.13	126 eP	27 47.00	8.4X
OGE	49.50	28 P	26 35.13	0.4	PCP	55.02	32 P	27 12.00	-4.1X	1.3s	80.00nm	5.6mb		
EPF	49.78	28 eP	26 36.90	0.0	ORX	55.45	31 P	27 14.88	-4.5X	SQTA	58.18	31 iPc	27 36.50	-2.2
	1.0s	135.20nm	5.9mb		DIX	55.47	30 ePd	27 19.40	-0.2	1.1s	155.00nm	6.0mb		
ETER	50.48	31 P	26 44.95	2.7	DCN	55.53	16 eP	27 22.30	2.7	MOTA	58.20	31 iPc	27 36.50	-2.4
RFA	50.85	222 ePc	26 44.00	-1.3		0.8s	95.00nm	5.9mb	1.1s	92.00nm	5.7mb			
LFF	51.42	27 eP	26 48.70	-0.6	PII	55.58	34 P	27 21.12	1.0	CVL	58.32	315 eP	27 39.93	0.3
	0.8s	226.75nm	6.2mb		BOB	55.65	33 P	27 20.79	0.0	WTTA	58.43	32 iPc	27 37.80	-2.7
LPO	51.43	28 eP	26 48.60	-0.8	RDP	55.67	37 P	27 22.79	1.9	1.4s	139.00nm	5.8mb		
	1.0s	114.00nm	5.8mb		RMP	55.69	37 P	27 23.19	2.2	i		27 47.80		
PEL	51.47	225 iP+	26 48.90	-1.1	DLF	55.69	16 eP	27 24.80	4.0X	WATA	58.44	32 iPc	27 38.40	-2.2
CAF	52.02	28 eP	26 52.90	-1.1		1.0s	128.00nm	5.9mb	EKA	58.44	17 Pc	27 39.90	-0.4	
	1.2s	135.10nm	5.8mb		MMK	55.73	31 ePd	27 21.10	-0.4	1.1s	11.70nm	4.9mb		
RJF	52.05	27 eP	26 52.80	-1.4	MNS	56.01	37 P	27 23.77	0.4	LHS	58.53	311 eP	27 41.30	0.1
	1.0s	83.60nm	5.6mb		VAI	56.02	31 P	27 23.59	0.4	FVI	58.62	33 P	27 40.95	-0.6
Z 22s	15.48um	6.0MsZ		FIR	56.03	35 eP	27 25.00	1.7	TRI	58.62	34 ePd	27 40.90	-0.7	
MFF	52.32	25 eP	26 55.00	-1.2		iPP	29 27.00		e		29 42.50			
	0.9s	105.15nm	5.8mb			iS	35 22.00		ePP		29 52.00			
PTS	52.39	42 P	26 59.68	2.8	LOMF	56.06	29 P	27 22.91	-0.7	ePPP		31 12.00		
LSF	52.78	27 eP	26 58.50	-1.1	RFI	56.19	38 P	27 26.27	1.8	e		32 48.00		
	0.8s	115.00nm	5.9mb		HRV	56.19	323 eP	27 23.12	-1.4	eS		35 48.00		
LBL	52.81	29 P	26 59.89	0.0		1.1s	125.35nm	5.9mb	eSS		39 44.00			
PYM	53.08	28 P	27 01.99	0.1	Z 18s	4.46um	5.6MsZ		eSSS		42 16.00			
LPF	53.09	23 eP	27 00.70	-1.2		</								

DBN	58.78	24	eP+	27	47.00	4.4X
	Z 20s		8.00um			5.8MsZ
			ePPP	31	16.00	
			eS	35	47.00	
BNS	58.79	26	iPc	27	44.20	1.5
	Z 22s		23.00um			6.3MsZ
			iS	35	59.00	
JSC	58.79	310	eP	27	43.05	0.0
FUR	58.82	31	eP	27	43.60	0.5
	Z 18s		11.00um			6.0MsZ
VOY	58.89	34	eP	27	42.30	-1.3
			i	27	47.00	
			e	28	05.90	
			e	29	02.70	
EDI	58.94	17	eP	27	46.80	3.1X
	1.8s		200.00nm			5.9mb
	Z 18s		10.00um			6.0MsZ
	N 20s		5.00um			
	E 20s		9.00um			
			ePcP	29	00.50	
			ePP	30	08.20	
			eS	36	02.00	
VLS	58.99	45	eP	27	47.10	2.7
BEW	59.01	129	eP	27	51.60	6.9X
	1.5s		100.00nm			5.7mb
LSZ	59.03	108	iPc	27	43.80	-1.4
RSNY	59.13	324	eP	27	45.68	0.4
	1.6s		84.08nm			5.6mb
	Z 21s		5.04um			5.6MsZ
KEK	59.15	43	eP	27	46.80	1.3
KBA	59.22	33	iPc	27	45.60	-0.5
	1.1s		77.30nm			5.7mb
			i	27	50.70	
LJU	59.25	34	eP	27	45.60	-0.5
			i	27	49.50	
			iPcP	28	37.00	
			i	30	00.00	
			e	31	20.00	
			eS	35	55.00	
VLO	59.31	42	eP	27	46.00	-0.5
VBY	59.35	35	ePc	27	45.60	-1.1
			iPp	27	47.70	7kmX
			i	27	54.00	
			i	27	58.60	
SRN	59.37	43	eP	27	50.00	3.1X
BHG	59.37	32	iPc	27	46.70	-0.2
	1.3s		54.00nm			5.5mb
BLA	59.37	314	eP	27	47.45	0.3
	1.0s		32.61nm			5.4mb
WTS	59.38	25	eP	27	46.00	-0.8
	0.9s		38.70nm			5.5mb
SWZ	59.40	122	eP	27	46.50	-1.1
	1.2s		60.00nm			5.6mb
IGT	59.43	43	eP	27	49.56	2.1
PRM	59.56	310	eP	27	47.70	-0.7
TPE	59.57	42	eP	27	54.50	6.1X
HCY	59.64	39	iPc	27	47.19	-1.6
NAV	59.68	314	eP	27	50.12	0.9
BDV	59.77	40	iPc	27	48.94	-0.8
GRF	59.79	29	iPc	27	48.40	-1.4
	1.2s		152.00nm			6.0mb
	Z 22s		8.00um			5.8MsZ
			e	28	13.40	
ULC	59.88	40	iPc	27	50.54	0.0
BRY	59.90	39	iPc	27	49.16	-1.6
WIT	59.92	24	eP	27	51.00	0.5
ZAG	59.94	35	eP	27	53.32	2.5
PTJ	59.98	35	eP	27	49.90	-1.3
TIR	59.98	41	eP	27	53.50	2.4
LACI	60.02	41	eP	27	50.50	-0.9
VLI	60.05	47	eP	27	52.00	0.2
SDA	60.09	40	eP	27	53.40	1.6
TTG	60.12	40	iPc	27	51.33	-0.7
NKY	60.15	39	iPcP	27	50.54	-1.9
KMR	60.24	32	iP+	27	50.80	-2.0
VAM	60.48	49	eP	27	57.00	2.3
OHR	60.49	42	iP	27	54.90	0.2
	1.0s		60.00nm			5.7mb
			i	28	04.30	
			iPP	30	09.70	
GEC2	60.50	31	e(P)	28	00.40	5.7X
	0.8s		19.00nm			5.3mb
GEC2	60.50	31	P	27	52.90	-1.8
	1.3s		83.30nm			5.7mb
			e	27	58.00	
			e	28	00.80	
			e	30	03.10	

YSNY	60.51	320 eP	27 54.57	-0.2
	1.6s	512.87nm		6.4mb
Z	19s	8.86um		5.9MsZ
AGG	60.59	45 eP	27 57.56	2.2
BCI	60.61	40 eP	27 54.20	-1.3
KHC	60.61	31 Pc	27 54.00	-1.4
	1.4s	124.50nm		5.8mb
Z	19s	12.60um		6.1MsZ
N	16s	4.30um		
E	18s	8.00um		
		e	27 56.00	
		e	28 11.50	
		e	28 26.00	
		S	36 18.00	
MOX	60.61	29 eP	27 54.20	-1.1
	1.6s	139.00nm		5.8mb
Z	19s	10.00um		6.0MsZ
		eS	36 15.00	
PLE	60.66	39 iPc	27 55.03	-0.9
PVY	60.66	40 iPc	27 55.57	-0.4
HVD	60.68	126 iPc	27 54.20	-2.1
	1.0s	300.00nm		6.4mb
FNA	60.72	42 eP	27 56.44	0.1
BLF	60.74	124 iPd	27 55.20	-1.5
	0.9s	200.00nm		6.2mb
IVA	60.75	40 eP	27 57.18	0.7
KZN	60.77	43 eP	27 59.90	3.2X
ATH	61.13	46 eP	28 04.00	5.0X
		eS	36 18.00	
WLVO	61.14	321 P	28 00.11	1.1
LIT	61.17	44 iP	28 15.33	16.0X
STCO	61.28	320 P	28 00.73	0.8
MYNC	61.28	310 eP	27 57.73	-2.5
	0.9s	48.75nm		5.7mb
Z	20s	10.94um		6.0MsZ
		S	36 22.91	
		SS	39 38.68	
SKO	61.31	41 iP	27 59.50	-0.8
	1.2s	160.00nm		6.0mb
		i	28 04.00	
		iPcP	28 31.00	
		iPP	30 20.00	
		iPPP	31 49.00	
		iS	36 25.50	
SOP	61.34	34 iP	28 00.70	0.4
GRG	61.49	43 eP	28 02.92	1.4
NPS	61.50	50 eP	28 05.20	3.6X
SLR	61.50	120 iPc	28 00.30	-1.7
	0.9s	116.00nm		6.0mb
Z	22s	76.00um		6.8MsZ
PRU	61.64	31 Pd	28 02.80	0.5
	1.5s	32.50nm		5.3mb
		iPp	28 05.90	10kmX
		ePP	30 24.00	
		S	36 29.40	
		ScS	38 03.40	
TYNO	61.67	320 P	28 03.28	0.7
SEK	61.69	123 iPc	28 01.60	-1.6
	0.7s	183.00nm		6.4mb
CLL	61.71	29 ePc	28 01.00	-1.8
	1.7s	98.00nm		5.7mb
Z	17s	6.00um		5.8MsZX
		eS	36 29.00	
UZD	61.87	35 eP	28 03.30	-0.6
BRG	61.89	30 iPc	28 04.50	0.5
	1.5s	70.00nm		5.6mb
		e	28 12.00	
		iPcP	28 37.10	
		iS	36 37.00	
ZST	61.93	33 iP	28 02.80	-1.5
		i	28 04.50	
		ePP	30 20.00	
		e	31 36.20	
ACTO	62.04	320 P	28 05.86	0.7
SOH	62.08	43 eP	28 06.88	1.4
VRAC	62.30	32 iPc	28 07.00	0.3
	1.6s	338.90nm		6.3mb
OUR	62.30	44 eP	28 08.73	1.8
KKB	62.36	42 eP	28 06.00	-1.3
SRS	62.37	43 eP	28 08.72	1.3
SRO	62.39	34 iP	28 09.30	2.0
GRM	62.48	129 iPc	28 17.50	9.2X
	1.0s	240.00nm		6.3mb
LDN	62.49	319 P	28 06.80	-1.3
BRNL	62.60	28 eP	28 10.00	1.4
		eS	36 43.00	

BUD	62.61	35	eP	28	10.00	1.2
ELF	62.65	320	P	28	07.80	-1.4
DLA	62.66	319	P	28	07.30	-1.9
VTs	62.76	41	iP	28	09.00	-1.1
BFT	63.02	119	iPc	28	10.00	-2.2
	1.0s	120.00nm				6.0mb
KSP	63.05	31	eP	28	10.80	-0.9
	1.4s	99.00nm				5.8mb
BZS	63.18	38	eP	28	04.00	-8.6X
PSZ	63.34	35	iPc	28	13.20	-0.5
PGB	63.38	42	eP	28	13.00	-1.1
PRK	63.48	46	eP	28	18.40	3.7X
PLD	63.55	42	eP	28	14.00	-1.1
RAC	63.59	32	iP	28	16.50	1.3
		e(S)		36	55.00	
RDO	63.71	44	eP	28	19.90	3.7X
EZN	63.74	45	eP	28	17.30	0.9
KDZ	63.84	43	eP	28	15.00	-2.1
ALN	63.97	44	eP	28	20.88	3.0X
CIN	64.19	48	eP	28	20.00	0.6
COP	64.34	25	iP+	28	25.00	4.9X
Z	20s	10.64um				6.0MsZ
		iS		37	06.00	
HLW	64.43	57	eP+	28	26.00	4.9X
		ePP		30	46.00	
		eS		37	02.00	
		eSS		37	24.00	
		eSSS		43	58.00	
PVL	64.44	41	eP	28	28.00	7.1X
OJC	64.53	33	eP	28	20.40	-1.0
	1.4s	147.00nm				6.0mb
Z	15s	9.60um				6.1MsZ
		i		28	23.00	
		i		28	33.00	
		i		28	40.60	
		eS		37	05.80	
JMB	64.97	43	eP	28	22.00	-2.4
EDC	65.03	45	eP	28	26.00	1.2
UZH	65.09	35	eP	28	24.50	-0.5
	1.2s	145.00nm				6.0mb
Z	15s	7.50um				6.0MsZ
N	15s	4.30um				
E	15s	8.00um				
		i		30	50.00	
		ePPP		32	22.00	
		eS		37	08.00	
		ePS		37	39.00	
CMP	65.14	39	iPc	28	28.00	2.5
JAQ	65.18	332	eP	28	27.00	1.4
ELL	65.28	49	eP	28	27.00	0.3
AKU	65.30	5	iP	28	35.30	9.3X
	1.5s	133.33nm				5.9mb
BUC1	65.38	41	epd	28	32.00	5.0X
KHL	65.51	48	eP	28	29.20	1.1
MLR	65.82	39	ePc	28	28.50	-1.5
ELC	65.91	311	eP	28	29.45	-1.1
BCK	66.02	49	eP	28	32.50	1.2
KONO	66.04	20	(P)	28	28.52	-2.4
ALT	66.19	47	eP	28	33.70	1.3
VRI	66.47	39	eP	28	33.50	-0.5
PPCY	66.60	52	eP	28	38.00	3.0X
LVV	66.66	34	eP	28	36.00	0.9
Z	17s	6.00um				5.9MsZ
N	17s	3.30um				
E	18s	4.50um				
		e		31	01.00	
EYL	66.74	46	eP	28	36.00	0.1
FVM	67.04	311	eP	28	36.43	-1.3
	1.1s	70.04nm				5.8mb
Z	20s	20.53um				6.3MsZ
SLM	67.10	312	P	28	50.00	11.9X
Z	21s	7.05um				5.9MsZ
CFR	67.10	40	eP	28	35.00	-3.0
CLI	67.11	39	eP	28	41.00	2.9
NAO	67.32	20	P	28	37.40	-1.7
	1.1s	25.00nm				5.3mb
CSS	67.40	52	eP	28	42.00	1.9
NRAO	67.50	20	ePc	28	42.50	2.3
NRE0	67.50	20	iPc	28	42.70	2.5
MOL	67.55	18	eP	28	39.21	-1.3
CCM	67.67	311	eP	28	39.92	-1.8
HFS	67.85	22	eP	28	43.60	1.1
	0.5s	4.80nm				4.9mb
Z	17s	8.74um				6.1MsZ
		LR		49	31.00	
FAM	67.94	52	eP	28	48.00	4.5X
AAE	68.28	81	eP	28	48.50	2.2

KIS	68.30	39	iP+	28	46.00	0.6	PYA	76.88	45	eP+	29	40.00	3.7X		1.7s	100.00nm	5.8mb			
Z	18s		8.90um		6.0Msz		Z	20s		6.50um		5.9Msz		Z	19s	12.00um	6.3Msz			
N	19s		5.90um				N	20s		4.00um				N	18s	6.00um				
E	18s		4.00um				E	20s		4.00um				E	18s	8.00um				
			e	29	08.00					ePS	39	56.00				e	34	18.00		
			e	31	18.00		ERE	77.21	49	iP	29	42.00	3.7X			eSS	47	17.00		
			iS	37	46.00		Z	20s		5.70um		5.9Msz		BCH	90.17	305	eP	30	44.53	0.1
MIAR	68.51	307	P	29	00.00	12.9X				iS	39	30.00				e	34	26.12		
Z	19s		1.29um		5.2Msz		MTA	77.70	48	eP	29	42.00	1.2	CMB	90.36	308	eP	30	45.33	0.2
BHL	68.99	54	P	28	50.00	-0.1	E	17s		2.50um				Z	20s		3.99um		5.8Msz	
			S	37	54.00					i	29	49.60				e	30	59.26		
FRB	69.13	342	eP	28	59.50	9.2X				ePPP	34	26.00		CMB	90.36	308	ePc	30	50.63	5.5X
	1.0s		17.00nm		5.2mb				eS	39	38.00			Z	21s		5.00um		5.9Msz	
UYO	69.13	306	iPc	28	48.40	-2.5				e	39	51.00				eSKS	41	25.64		
UPP	69.18	23	iP	28	49.20	-1.4				ePS	40	22.00				eS	41	48.64		
			iS	38	00.00		TAB	78.28	51	iP+	29	48.00	3.7X			eSP	42	50.64		
KAS	69.59	46	eP	28	56.00	2.4	RSSD	78.51	315	eP	29	45.59	0.1			ePS	42	52.64		
GDH	70.29	351	iP-	29	02.00	4.7X		1.8s		95.72nm		5.6mb				ISS	48	04.64		
			i	38	10.00		Z	20s		3.38um		5.7Msz				eSKKS	54	36.64		
MNK	70.52	32	eP	29	00.00	1.1	GRO	78.63	46	iPc+	29	52.00	6.1X			eLQ	54	48.64		
			e	31	40.00			2.0s		240.00nm		5.9mb				eLR	00	09.64		
			eS	38	20.00		Z	20s		4.50um		5.8Msz		SPA	90.75	180	iPc	30	48.60	2.1
TUL	70.61	308	iP	28	58.30	-1.6	N	24s		14.00um				1.1s		31.55nm		5.5mb		
SIM	70.96	42	eP	29	06.00	4.2X	E	26s		9.60um				Z	20s		2.34um		5.6Msz	
Z	18s		5.50um		5.9Msz					iPS	40	24.00				i	54	46.30		
			e	31	42.00		GLD	78.67	310	eP	29	47.87	1.4	ORV	91.19	309	ePc	30	50.67	1.8
			eS	38	22.00			2.0s		208.65nm		5.8mb		Z	21s		6.00um		6.0Msz	
			ePS	38	54.00		Z	20s		10.17um		6.2Msz				ePP	34	06.67		
GAZ	71.01	51	eP	29	04.40	2.1	GOL	78.77	310	eP	29	47.10	0.0			iSKS	41	29.67		
CRX	71.21	290	(P)	29	06.00	1.8		1.2s		37.58nm		5.3mb				eS	41	52.67		
NUR	72.42	25	ePKP	29	06.80	-3.4X	Z	20s		10.03um		6.1Msz				ISP	42	59.67		
MRX	72.66	290	(P)	29	13.50	1.1	ALQ	79.00	305	eP	29	47.89	-0.5			i	43	03.67		
WMOK	72.74	306	P	29	20.00	7.3X		1.2s		34.04nm		5.3mb				ISS	48	14.67		
Z	21s		17.50um		6.3Msz					PP	33	00.35				ePKKS	51	28.67		
ANN	73.09	43	eP	29	14.50	0.0				S	39	52.89				eSKKS	55	14.67		
	1.4s		120.00nm		5.8mb					SS	45	10.03				eLQ	55	51.67		
			e	32	00.00		KBS	80.90	7	eP	30	04.80	7.4X			eLR	59	54.67		
			ePPP	33	48.00		PV08	81.16	309	eP	29	59.97	-0.1	SAO	91.24	307	ePd	30	58.01	8.8X
			eS	38	44.00		BAK	81.33	49	iPd	30	14.00	13.6X	Z	21s		6.00um		6.0Msz	
			ePS	29	20.00			Z	16s		7.48um		6.1MszX			eSKS	41	24.01		
			eSS	43	20.00		N	16s		8.07um						eS	41	53.01		
SNA	73.17	171	e(P)	29	14.80	0.4	E	12s		3.04um						i	43	09.01		
	1.0s		84.00nm		5.8mb					iS	40	20.00				ISS	48	06.01		
ACO	73.42	308	iPc	29	15.10	-1.6	PV10	81.45	309	eP	30	01.21	-0.2			ePKKS	51	38.01		
AGX	73.91	292	(P)	29	23.00	3.4X	PV09	81.53	309	eP	30	02.15	0.2			eLQ	57	21.01		
KAF	73.94	24	ePKP	29	10.60	-8.5X	BW06	82.29	313	eP	30	04.96	-0.8			eLR	00	01.01		
SOC	74.43	45	iPc	29	26.00	3.7X		1.2s		16.98nm		5.0mb		MIN	91.24	310	ePd	30	57.71	8.4X
	1.0s		150.00nm		6.0mb		TUC	82.35	302	eP	30	06.84	0.8	Z	21s		5.00um		5.9Msz	
Z	20s		2.60um		5.5Msz			1.6s		54.21nm		5.4mb				iSKS	41	29.71		
N	20s		2.50um				SRU	82.67	309	eP	30	07.27	-0.4			eS	41	53.71		
E	18s		1.00um				EMUT	82.96	310	eP	30	09.27	0.0			eSP	43	00.71		
			eS	39	02.00		DAU	83.34	310	eP	30	11.24	-0.1			i	43	04.71		
			ePS	29	26.00		MSU	83.91	308	eP	30	14.29	0.2			ISS	48	15.71		
PUL	74.53	27	ePc	29	25.00	2.5	HHAI	84.40	313	eP	30	17.81	1.5			e	51	01.71		
	1.5s		170.00nm		5.9mb		DUG	84.51	310	eP	30	17.08	0.1			eSKKS	55	08.71		
			e	29	43.00			1.8s		88.26nm		5.7mb				eLQ	55	13.71		
			e	33	54.00		Z	20s		8.11um		6.1Msz		ARN	91.29	307	(P)	30	51.84	2.4
			eS	38	56.00		HVU	84.59	312	eP	30	15.79	-1.6	MHC	91.37	307	ePc	30	55.19	5.2X
			ePS	39	40.00		MCMT	84.85	315	eP	30	19.00	0.3	Z	21s		3.90um		5.8Msz	
			ePPS	39	52.00		ARUT	84.86	308	eP	30	19.64	0.8			ePPc	33	57.19		
			eSS	43	39.00		GLA	85.79	303	eP	30	23.12	-0.3			eSKS	41	35.19		
ULM	74.59	322	eP	29	25.00	1.9	YKA	87.14	332	eP	30	32.20	2.9			eS	41	59.19		
TRO	75.81	16	eP	29	33.80	4.1X		1.2s		8.50nm		4.9mb				eSP	43	07.19		
OBN	75.83	33	eP	29	28.00	-2.1	GSC	87.49	305	eP	30	31.86	0.2			i	43	09.19		
	1.5s		150.00nm		5.8mb		ASH	87.73	52	eP	30	37.00	4.4X			ISS	48	09.19		
			i	29	41.00					e	34	06.00				ePKKS	51	47.19		
			e	32	26.00					e	41	10.00				eLQ	57	13.19		
			iS	39	10.00		PEC	87.76	304	eP	30	33.57	0.6			eLR	00	19.19		
			i	39	40.00			2.1s		130.65nm		5.9mb		MAW	91.54	157	eP	30	37.30	-12.6X
			iPS	39	48.00		TNP	87.86	308	eP	30	33.42	-0.1			0.9s		5.50nm		
			eSS	44	10.00			1.4s		89.09nm		5.9mb		Z	18s		6.50um		6.1Msz	
OBN	75.83	33	eP	29	32.04	2.0	NEW	87.95	318	eP	30	33.69	0.1				ePP	30	50.80	45kmX
	1.5s		159.07nm		5.9mb			1.9s		62.50nm		5.6mb				eSKS	41	27.90		
LTX	75.97	300	eP	29	29.69	-1.9	Z	21s		16.01um		6.4Msz				ePS	43	02.10		
DAG	76.17	2	iPd	29	32.80	1.2	SSK	88.21	304	P	30	39.70	4.4X			i	56	08.80		
	1.0s		38.00nm		5.4mb		ARU	88.24	34	eP	30	37.00	2.3							
Z	20s		4.96um		5.8Msz			1.7s		160.00nm		6.1mb		MAW	91.54	157	e(P)	30	40.00	-9.9X
FCC	76.50	331	eP	29	39.00	5.3X				eS	41	08.00				1.0s		20.83nm		5.4mb
MOS	76.59	32	eP	29	36.00	1.6				ePS	42	21.00		GMW	91.78	317	eP	30	52.40	1.0
	1.9s		520.00nm		6.3mb		MAIO	88.63	54	eP	30	40.00	2.8	STAN	91.80	307	ePd	30	59.71	8.0X
Z	19s		7.00um		6.0Msz			1.3s		28.59nm		5.4mb		Z	21s		3.60um		5.8Msz	
N	20s		6.20um							eS	41	28.00				ePPc	34	33.71		
E	20s		6.80um				BONR	88.71	308	eP	30	38.86	1.1			iSKS	41	23.71		
			e	29	44.00		ISA	88.85	305	eP	30	38.04	-0.2			iS	41	59.71		
			e	32	33.00			2.1s		35.96nm		5.3mb				eSP	43	10.71		
			eS	39	13.00		MEMM	89.22	307	eP	30	42.59	2.8			i	43	11.71		
SDF	76.74	19	iP	29	38.50	3.5X	SVE	89.37	33	iPd	30	41.80	1.7			ISS	48	08.71		

20d 10h

		eLQ	55	31.71		NST	127.52	70	ePKPc	36	54.00	4.0X	WB2	15.22	180	eP	22	02.30	-4.9X			
		eLR	00	12.71		XAN	127.77	44	PKP	36	53.80	3.7X		0.5s	10.40nm				4.4mb			
BKS	91.82	308	ePc	30	54.09	2.2	Z	20s	6.97um			6.3MsZ				i	22	13.80				
	Z	20s	4.50um		5.9MsZ		N	17s	3.43um							eS	24	45.00				
			ePP	34	19.09		E	21s	3.86um							eP	22	30.40	5.4X			
			i	41	34.09				PP	38	55.00					eS	25	19.20				
			eS	42	00.09		TIY	127.96	38	ePKP	36	54.50	4.1X			iPd	22	58.20	1.2			
			eSP	43	07.09		Z	34s	7.22um			6.1MsZ				411.99nm			5.8mb X			
			i	43	14.09		E	25s	9.48um							iS	26	32.70				
			eSS	48	16.09				PP	38	58.00					eP	23	16.30	1.5			
			ePKKS	52	13.09		GYA	129.73	54	PKP	36	57.00	2.8			QCP	23.28	326	eP	23	24.00	-15.1X
			eLQ	55	25.09		Z	30s	2.59um			5.7MsZ				BAG	25.00	327	eP	23	56.00	0.0
			eLR	58	57.09				PP	39	08.00					STK	27.93	167	eP	24	25.00	2.3X
WDC	91.94	310	ePd	31	00.21	7.9X			SKKS	46	00.00					1.5s	5.50nm			4.1mb		
	Z	21s	6.00um		6.0MsZ		CN2	130.25	24	ePKP	36	58.00	3.5X			eS	29	32.70				
			iSKS	41	32.21		Z	18s	3.92um			6.1MsZ				eP	24	42.50	0.6			
			eSP	43	03.21		N	16s	2.20um							eP	25	03.50	0.9			
			i	43	09.21		E	16s	0.89um							iPc	25	36.30	6.8X			
			iSS	48	21.21				ePP	39	04.00					KMI	42.70	315	eP	26	31.50	2.1
			eLQ	55	27.21		SNY	131.06	27	iPKP	37	01.20	5.2X			Z	20s	3.40um			5.2MsZ	
			eLR	00	37.21		Z	26s	4.03um			6.0MsZ				N	18s	2.60um				
YBH	92.02	312	ePd	30	58.52	5.7X	TIA	131.80	37	ePKP	37	00.00	2.3			E	18s	2.00um				
	Z	21s	6.00um		6.0MsZ		Z	15s	6.32um			6.4MsZ				XAN	45.39	330	P	26	49.50	-1.3
			ePPd	34	35.52		N	16s	2.57um							1.0s	5.40nm			4.4mb		
			iSKS	41	28.52		E	16s	2.55um							pP	26	54.00	15km			
			iS	42	03.52				ePP	39	22.50					eP	26	55.00	0.0			
			eSPd	43	08.52		DL2	132.38	31	PKP	37	05.00	6.4X			TIY	46.84	336	eP	27	02.20	0.0
			i	43	11.52		Z	22s	4.62um			6.1MsZ				SNY	47.28	349	eP	27	06.30	0.7
			iSS	48	14.52		N	22s	3.22um							BJI	47.52	341	eP	27	07.00	-0.5
			ePKKS	51	32.52		E	20s	4.82um							1.6s	54.00nm			5.4mb		
			ePKKS	51	57.52				PP	39	25.00					Z	20s	0.90um			4.7MsZ	
			iSKKS	55	31.52		WHN	133.53	45	PKP	37	06.00	4.9X			eS	34	00.00				
			i	56	16.52		Z	20s	4.35um			6.2MsZ				MDJ	49.21	355	eP	27	18.50	-2.0
			eLQ	57	48.52		E	18s	5.13um							LZH	49.61	327	eP	27	24.50	0.5
			eLR	01	39.52				PP	39	36.00					Z	22s	4.92um			5.5MsZ	
ARC	93.09	311	eP	30	59.89	2.3			SS	57	10.00					E	20s	4.04um				
	Z	20s	6.00um		6.0MsZ		NJ2	135.63	40	ePKP	37	07.80	2.8			HHC	49.88	337	eP	27	26.00	0.1
			iSKS	41	40.89		Z	20s	4.44um			6.2MsZ				Z	42s	6.73um			5.3MsZ	
			eS	42	07.89		N	19s	9.52um							GTA	54.22	327	eP	27	58.50	0.1
			eSP	43	22.89		E	19s	3.98um							1.5s	26.00nm			5.0mb		
			i	43	25.89				ePP	39	39.00					pP	28	04.80	21km			
			iSS	48	46.89		SSE	137.75	39	PKP	37	16.00	6.9X			sP	28	07.00				
			ePKKS	52	48.89		MAT	141.14	16	(PKP)	37	11.00	-4.1X			GUN	56.88	308	P	28	18.40	0.2
			eSKKS	55	48.89		MBL	143.73	126	ePKP	37	18.00	-2.0			KKN	57.30	307	P	28	20.20	-0.8
			eLQ	58	45.89			1.0s	74.00nm							0.6s	14.00nm			5.2mb		
			eLR	01	38.89		KKM	144.97	78	ePKPc	37	24.00	1.6			DMN	57.36	307	P	28	20.80	-0.7
INK	94.53	339	eP	31	04.00	0.3		1.5s	176.80nm							0.8s	23.00nm			5.3mb		
	1.0s		3.00nm		4.6mb X		CAN	145.57	178	ePKP	37	24.80	2.0			WMQ	63.96	324	P	29	05.80	-0.1
SIT	98.02	328	P	31	30.00	10.3X	CAN	145.57	178	ePKP	37	29.80	7.0X			1.4s	44.00nm			5.4mb		
	Z	21s	4.47um		5.9MsZ		CNB	145.59	178	ePKP	37	30.00	7.1X			KSH	69.34	315	P	29	46.00	5.8X
PMR	103.07	335	Pd iff	31	50.00	7.8X		1.0s	120.00nm							0.8s	20.00nm			5.3mb		
	Z	20s	7.31um		6.2MsZ		BAG	145.78	59	ePKP	37	24.00	0.2			Z	16s	4.20um			5.8MsZ	
KKN	111.30	60	PKP	36	00.00	-19.0X	BCP	145.81	59	ePKP	37	28.00	4.1X			E	14s	6.70um				
SDN	111.42	332	PKP	36	30.00	12.0X	CVP	146.21	56	ePKPd	37	29.60	5.3X			CNCB	149.26	134	PKP	38	25.50	7.7X
	Z	19s	1.56um		5.6MsZ		BWA	146.43	177	ePKP	37	28.00	3.7X			LPB	149.36	134	ePKP	38	26.00	8.2X
ZAK	115.06	31	ePKP	36	16.00	-9.1X	BWA	146.43	177	ePKP	37	32.40	8.1X			LPB	149.36	134	ePKP	38	26.00	8.2X
	1.1s		6.00nm				PPR	146.55	71	ePKPc	37	31.00	6.1X			LPB	149.49	133	PKPc	38	26.60	8.3X
	Z	20s	8.55um		6.4MsZ		QCP	146.99	61	ePKP	37	16.00	-9.5X			i	38	29.30				
	N	20s	6.16um				TGY	147.08	62	ePKPc	37	34.00	8.2X			CCH	150.14	138	PKP	38	27.00	8.2X
	E	18s	4.70um				STK	147.87	165	ePKP	37	29.20	2.6			S.D. = 1.0	on 22 of 33 obs.					
			e	43	14.00			1.7s	15.40nm							? SEP	20, 1993	10h 50m	37.27± 0.85s			
			e	47	06.00		GQP	148.50	61	ePKP	37	32.00	4.0X			4.782 S ± 8.9km	134.211 E ± 21.0km					
GTA	118.75	43	ePKP	36	37.00	4.2X	DZM	153.81	215	iPKPc	37	35.80	0.0			DEPTH = 33.0km	(normal)					
	Z	32s	8.93um		6.2MsZ		WRA	155.13	141	PKP	37	39.00	1.5			4.7mb (5 obs.)						
	N	16s	1.25um					0.8s	2.10nm							IRIAN JAYA REGION, INDONESIA	(196)					
			PP	37	52.00		WB2	155.14	141	ePKP	37	42.20	4.7X									
SMY	123.20	343	PKP	36	50.00	9.5X		1.0s	6.40nm							MTN	8.57	201	eP	52	42.00	-0.1
	Z	20s	3.65um		6.0MsZ				e	37	51.50					0.5s	260.00nm			6.6mb X		
BTO	124.71	37	ePKP	36	49.00	4.9X			i	38	03.20					eS	54	20.00				
	N	16s	0.99um				WB5	155.19	141	ePKP	37	42.60	5.0X			KNA	12.14	206	iPc	53	31.80	0.9
	E	16s	2.16um						e	37	51.80					0.8s	176.00nm			6.3mb X		
			PP	38	37.00				ePKPab	38	06.50					WB2	15.07	179	eP	54	06.10	-3.5X
HON	125.28	297	PKP	37	00.00	14.4X		S.D. = 1.4	on 371 of 477 obs.							iP	54	17.00				
	Z	20s	1.21um		5.6MsZ											iS	56	49.30				
HHC	125.47	36	ePKP	36	48.00	2.4		SEP	20, 1993	10h 18m	31.35± 0.43s					QIS	16.53	162	eP	54	31.50	3.1X
	Z	20s	12.60um		6.6MsZ			4.628 S ± 5.7km	134.446 E ± 9.0km							eS	57	24.00				
	N	18s	5.54um					DEPTH = 17.8km	(2 depth phases)							ASPA	18.78	181	iPd	54	56.10	-0.2
	E	21s	5.19um					5.1mb (9 obs.)	5.2MsZ (3 obs.)							0.5s	26.20nm			4.7mb		
			PP	38	42.00			IRIAN JAYA REGION, INDONESIA	(196)							eS	58	17.30				
CD2	125.50	50	ePKP	36	47.50	1.6										CTA	19.21	143	iPd	55	01.10	-0.3
	Z	34s	5.45um		6.0MsZ		MTN	8.80	202	eP	20	40.00	-0.7			0.5s	292.25nm			5.8mb X		
			PP	38	41.00</																	

E 18s	4.25um					1.0s	27.40nm	5.2mb		1.1s	21.74nm	5.4mb	
CN2	49.00 352 eP	59 25.00	2.3			KAKJ	65.82 321 eP	37 37.00	-0.2	BTO	88.24 313 eP	39 44.50	2.1
	0.6s	3.40nm	4.6mb			CHJJ	66.44 321 eP	37 40.40	-0.8	KMI	89.15 296 eP	39 50.50	3.3X
GTA	54.22 327 eP	00 01.40	-0.9			IIDJ	66.74 320 eP	37 43.00	-0.3	Z 20s	1.90um	5.5Msz	
	1.5s	13.00nm	4.7mb			NIUJ	67.21 322 eP	37 54.10	8.0X	CIT	90.25 324 eP	39 53.00	1.5
WMQ	63.94 324 pP	00 08.00	22kmX			MAT	67.24 321 (P)	37 45.00	-1.4	MIAR	91.40 55 P	40 10.00	12.9X
	0.7s	14.00nm	5.2mb			MTMJ	67.51 320 eP	37 47.90	-0.3	Z 19s	0.49um	5.0Msz	
CNCB	149.31 135 ePKP	10 28.00	6.5X			TSRJ	68.00 319 eP	37 58.20	7.1X	FVM	94.77 52 P	40 20.00	7.4X
LBP	149.42 134 (PKP)	10 26.00	4.5X			CSY	70.43 204 eP	38 05.00	-0.6	Z 18s	1.35um	5.4Msz	
LPAZ	149.56 134 PKP	10 27.50	5.6X				i	38 10.00		MYNC	99.06 56 P	40 40.00	7.9X
	S.D. = 1.4	on	8 of 14 obs.			SAO	71.89 43 eP	38 14.68	-0.2	Z 20s	0.69um	5.1Msz	
							1.8s	96.83nm	5.5mb	YSNY	104.54 49 Pdiff	41 10.00	13.4X
						BCH	71.92 45 iPc	38 15.37	0.1	Z 19s	0.54um	5.1Msz	
? SEP 20, 1993 11h 05m 00.47± 0.95s						COE	72.02 42 eP	38 15.84	0.2	BINY	106.40 50 PKP	45 30.00	13.9X
44.554 N ± 7.6km						ARN	72.17 42 ePc	38 16.89	0.3	Z 20s	0.54um	5.1Msz	
DEPTH = 10.0km (geophysicist)						HMR	72.46 42 eP	38 19.00	0.8	RSNY	107.62 48 PKP	45 30.00	11.7X
NORTHERN ITALY (545)						PLM	73.21 48 eP	38 22.90	-0.1	Z 19s	0.40um	5.0Msz	
ML 1.6 (GEN).						PEC	73.27 47 eP	38 22.39	-0.7	LSCT	108.41 51 PKP	45 30.00	10.1X
							1.3s	19.82nm	5.0mb	Z 22s	0.65um	5.2Msz	
PZZ	0.22 257 P	05 05.49	0.1			ISA	73.28 45 eP	38 22.17	-1.0	LBNH	109.48 48 PKP	45 30.00	8.2X
	S	05 08.64					1.7s	68.87nm	5.4mb	Z 19s	0.47um	5.1Msz	
BHB	0.31 341 P	05 06.78	-0.1			CMB	73.30 42 eP	38 22.90	-0.3	HRV	109.69 50 PKP	45 30.00	7.7X
	S	05 10.75					1.4s	50.19nm	5.3mb	Z 21s	0.58um	5.1Msz	
ENR	0.33 178 P	05 07.15	-0.1			WDC	73.42 39 eP	38 23.66	-0.1	CBM	112.13 45 PKP	45 40.00	13.3X
	S	05 11.48					1.7s	85.67nm	5.5mb	Z 19s	1.18um	5.5Msz	
ROB	0.42 128 P	05 09.21	0.1			Z 21s	1.13um	5.1Msz		CLL	142.80 352 ePKP	46 24.00	-0.6
	S	05 15.11				LGPM	73.44 39 eP	38 24.40	0.3		1.4s	13.00nm	
	S.D. = 0.2	on	4 of 4 obs.			ORV	73.46 41 eP	38 23.62	-0.4	BRG	143.08 350 e(PKP)	46 28.00	2.9X
						MEMM	74.05 43 eP	38 28.24	0.8	PRU	143.83 349 ePKP	46 25.00	-1.4
% SEP 20, 1993 11h 10m 43.17± 0.71s						GSC	74.25 46 eP	38 28.62	-0.2	MLR	144.42 334 ePKP	46 25.50	-2.2
40.930 N ± 7.6km						LBFM	74.27 39 eP	38 29.00	0.0	GRF	144.62 353 ePKP	46 27.00	-0.8
DEPTH = 5.0km (geophysicist)						BNOR	74.63 43 eP	38 31.24	0.0	Z 22s	0.40um	5.1Msz	
GREECE (364)						TNP	75.42 44 ePc	38 35.79	0.1	KHC	144.82 350		

20d 11h

LPL 149.14 357 ePKP 46 40.30 4.7X
1.2s 27.95nm
LPG 149.16 357 ePKP 46 41.60 5.9X
0.9s 21.15nm
SKO 149.17 335 iPKP 46 38.50 3.1X
RJP 149.26 5 ePKP 46 40.80 5.3X
1.7s 77.95nm
LFF 149.56 6 ePKP 46 41.50 5.6X
1.7s 110.30nm
CAF 149.68 4 ePKP 46 42.00 5.9X
1.8s 71.65nm
LPO 149.85 5 ePKP 46 42.30 6.0X
1.7s 65.45nm
OHR 150.16 335 iPKP 46 42.70 5.7X
SBF 150.75 356 ePKP 46 44.30 6.5X
1.3s 53.45nm
FRF 151.09 357 ePKP 46 45.00 6.8X
LMR 151.33 357 ePKP 46 45.40 6.8X
1.5s 48.05nm
PGF 151.92 353 ePKP 46 46.60 7.0X
BCAO 163.15 235 iPKPd 46 56.10 2.3
0.5s 5.00nm
S.D. = 1.1 on 91 of 144 obs.

& SEP 20, 1993 11h 32m 49.58s
66.281 N 149.929 W
DEPTH = 26.4km
NORTHERN ALASKA (676)
<AEIC>. ML 2.6 (AEIC).

MLY 1.30 195 P 33 11.30 -0.8
S 33 28.60
MDM 1.50 151 P 33 14.60 -0.5
S 33 33.30
IMA 1.54 264 eP 33 14.36 -1.3
eS 33 36.30
FBA 1.65 146 ePn 33 14.50 -2.6
eS 33 37.24
GLM 1.67 140 P 33 17.30 -0.2
S 33 37.90
NEA 1.75 168 P 33 19.60 1.0
CCB 1.87 151 P 33 21.20 0.9
FYU 1.91 79 P 33 19.70 -1.2
PRP 1.96 111 P 33 20.70 -1.2
S 33 44.70
HDA 2.26 145 P 33 28.20 2.3
10 obs. associated

SEP 20, 1993 13h 13m 24.58± 0.79s
40.136 N ± 6.4km 142.589 E ± 12.5km
DEPTH = 45.9 ± 11.9 km
NEAR EAST COAST OF HONSHU, JAPAN(228)

OFUJ 1.27 214 iPd 13 45.90 -0.3
S 14 02.00
AOMJ 1.75 285 P 13 52.20 -0.7
eS 14 13.10
HOQJ 2.31 13 eP 14 02.30 1.5
MRRJ 2.56 334 eP 14 03.90 -0.5
eS 14 33.90
YAMJ 2.79 226 P 14 07.20 -0.6
S 14 44.00
KUSJ 3.36 28 eP 14 14.70 -1.1
eS 14 51.80
ASAJ 3.98 1 eP 14 25.10 0.4
NIJ 4.03 225 P 14 25.80 0.4
KAKJ 4.36 207 P 14 29.20 -0.8
eS 15 18.70
CHJJ 4.97 216 eP 14 38.20 -0.4
MAT 4.97 225 eP 14 39.00 0.3
0.8s 26.12nm
eS 15 47.00
MTMJ 5.17 228 P 14 42.40 0.9
IIDJ 5.94 220 eP 14 52.60 0.2
TSRJ 6.96 231 P 15 07.50 1.0
GUN 47.83 273 P 22 01.00 1.0
KKN 48.35 274 P 22 02.60 -1.3
0.8s 34.00nm 5.4mb
S.D. = 0.9 on 16 of 16 obs.

? SEP 20, 1993 13h 21m 00.84± 3.87s
41.895 N ± 37.5km 24.760 E ± 11.0km
DEPTH = 10.0km (geophysicist)
GREECE-BULGARIA BORDER REGION (363)
ML 2.9 (THE).

SRS 1.17 229 ePb 21 21.37 -1.4

ALN 1.39 135 eSb 21 25.80 -0.4
eSb 21 45.52
SOH 1.51 225 ePb 21 27.68 -0.3
eSb 21 49.60
OUR 1.67 201 ePb 21 31.16 1.0
eSb 21 53.64
GRG 2.01 243 ePn 21 35.92 0.8
eSn 22 03.28
PAIG 2.13 203 ePn 21 37.16 0.3
S.D. = 1.1 on 6 of 6 obs.

% SEP 20, 1993 13h 32m 19.21± 0.60s
26.921 S ± 6.6km 26.649 E ± 5.5km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 3.8 (PRE).

BFS 0.12 80 iPc 32 22.80 0.9
S 32 24.20
PRY 0.74 91 eP 32 33.50 -0.4
S 32 42.00
KSR 1.07 12 iPd 32 39.90 -0.1
S 32 57.50
SWZ 1.21 257 eP 32 41.10 -1.2
S 32 58.20
SEK 1.64 148 iPd 32 49.40 0.4
S 33 11.40
SLR 1.88 52 iPd 32 52.50 0.0
S 33 16.00
BLF 2.22 190 iPd 32 58.50 1.2
S 33 27.00
BFT 3.29 69 eP 33 11.50 -1.1
S 33 54.00
HVD 3.81 195 eP 33 19.00 -1.0
S 34 02.00
GRM 6.37 181 eP 34 00.20 4.1X
S 35 14.00
SUR 7.44 222 eP 34 15.50 4.2X
S 35 16.00
CER 9.04 223 e(P) 34 29.00 -4.4X
S 36 14.50
WIN 9.70 294 eP 34 44.00 1.3
S 37 37.00
S.D. = 1.1 on 10 of 13 obs.

% SEP 20, 1993 14h 22m 08.04± 0.66s
39.972 N ± 6.5km 27.421 E ± 6.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

EDC 0.50 42 iPg 22 18.00 -0.3
iSg 22 25.00
KCT 0.77 69 ePg 22 23.00 -0.1
MFT 0.82 353 iPg 22 24.00 0.0
EZN 0.86 261 iPn 22 24.40 -0.1
CTT 1.40 33 ePn 22 34.00 0.4
IZM 1.58 185 ePn 22 36.20 0.1
DMK 1.87 8 ePn 22 40.30 0.0
S.D. = 0.2 on 7 of 7 obs.

? SEP 20, 1993 14h 30m 06.70± 1.19s
39.261 N ± 8.5km 27.806 E ± 13.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.9 (ISK).

IZM 0.96 206 ePg 30 25.00 0.0
eSg 30 38.00
KCT 1.07 23 ePn 30 27.00 0.1
EDC 1.09 2 iPn 30 27.00 -0.1
EZN 1.28 297 ePn 30 30.40 0.0
S.D. = 0.1 on 4 of 4 obs.

SEP 20, 1993 15h 24m 09.80± 0.45s
46.855 N ± 3.1km 6.960 E ± 7.1km
DEPTH = 10.0km (geophysicist)
SWITZERLAND (544)
ML 2.7 (LDG), 2.3 (STR).

LOMF 0.50 350 Pg 24 19.65 -0.4
BBS 0.72 31 Pg 24 24.79 0.9
Sg 24 34.40
DIX 0.84 158 ePd 24 26.10 0.0
BSF 0.98 353 Pg 24 29.00 0.4
Sg 24 41.40

MOF 1.00 7 Pg 24 29.03 0.1
Sg 24 43.47
MMK 1.06 139 ePd 24 30.70 0.7
HAU 1.22 340 Pg 24 32.70 0.1
Sg 24 48.10
FEL 1.25 35 ePn 24 32.70 -0.3
LPL 1.35 187 Pg 24 34.60 -0.2
Sg 24 53.10
LPG 1.37 186 Pg 24 34.80 -0.3
Sg 24 54.40
ECH 1.37 6 Pg 24 34.12 -0.8
SLE 1.39 48 ePd 24 34.40 -0.8
VITF 1.51 334 Pg 24 37.58 0.6
Sg 24 55.86
CDF 1.57 8 Pg 24 39.70 1.8X
Sg 24 59.20
WLS 1.58 10 Pg 24 39.83 1.9X
Sg 25 00.87
LBF 2.05 275 Pg 24 47.40 2.7X
Sg 25 11.30
SMF 2.15 266 Pg 24 49.00 2.7X
Sg 25 14.60
LOR 2.16 282 Pg 24 48.40 2.1X
Sg 25 15.20
SSF 2.37 276 Pg 24 52.90 3.5X
Sg 25 21.80
AVF 2.48 270 Pg 24 55.00 4.2X
Sg 25 25.00
MAF 3.10 260 Pg 25 06.30 6.7X
Sg 25 45.00
S.D. = 0.6 on 13 of 21 obs.

% SEP 20, 1993 16h 13m 25.08± 0.76s
38.418 S ± 18.9km 177.520 E ± 9.9km
DEPTH = 70.0km (geophysicist)
NORTH ISLAND, NEW ZEALAND (159)

URZ 0.36 296 Pd 13 36.80 0.0
S 13 45.10
NOZ 0.45 116 Pc 13 37.60 0.0
PUZ 0.67 60 P 13 39.90 0.0
eS 13 50.40
NGZ 1.68 243 P 13 53.00 -0.1
CNZ 1.73 242 P 13 53.70 0.0
S.D. = 0.1 on 5 of 5 obs.

& SEP 20, 1993 17h 08m 24.55s
32.073 N 115.429 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.6 (PAS).

GLA 1.10 27 eP 08 44.10 -1.5
PLM 1.76 317 eP 08 55.88 0.0
eS 09 19.61
PEC 2.33 322 (P) 09 04.67 0.7
eS 09 35.81
SSK 2.86 319 (P) 09 14.66 3.0
4 obs. associated

* SEP 20, 1993 17h 10m 56.41± 1.86s
14.102 N ± 23.9km 93.212 W ± 11.5km
DEPTH = 33.0km (normal)
4.1mb (3 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.22 49 iP 11 16.50 -0.7
iS 11 29.00
PCG 2.54 83 eP 11 39.92 3.4X
eS 12 14.53
IXG 2.68 88 eP 11 37.73 -0.5
eS 12 18.46
SCX 2.68 12 iP 11 38.00 -0.1
iS 12 11.00
YUP 3.31 88 eP 11 48.22 0.9
OXX 4.50 312 eP 12 09.00 4.8X
IIT 6.91 316 (P) 12 44.50 6.2X
PPM 7.16 314 (P) 12 49.00 6.9X
IIA 7.24 315 (P) 12 44.00 1.4
MIAR 20.36 359 (P) 15 32.57 -0.3
1.0s 7.26nm 4.0mb
TUC 24.21 321 (P) 16 11.60 0.3
1.1s 6.07nm 4.1mb
CVL 27.15 26 (P) 16 41.13 2.5
e 16 48.09
ARUT 29.66 326 (P) 17 00.99 -0.5
MCMT 34.88 335 eP 17 46.90 -0.2

20d 17h

YKA 50.66 347 eP 19 51.50 -2.9
0.8s 5.00nm 4.6mb
GBA 150.96 19 PKP 30 47.00 4.7X
S.D. = 1.5 on 11 of 16 obs.

SEP 20, 1993 19h 16m 30.55± 0.86s
37.918 S ± 7.0km 177.576 E ± 8.7km
DEPTH = 68.1 ± 9.5 km
4.4mb (3 obs.)

OFF E. COAST OF N. ISLAND, N.Z. (160)

WIZ 0.50 322 Pc 16 41.40 -1.9
URZ 0.50 227 Pd 16 43.40 0.1
S 16 52.50
PUZ 0.56 106 Pd 16 44.30 0.3
S 16 54.60
HBZ 0.66 61 Pd 16 44.40 -0.6
NOZ 0.79 153 Pd 16 48.10 1.6
TAZ 0.90 249 P 16 48.60 0.7
PAHZ 1.03 203 P 16 50.90 1.3
UTU 1.12 256 P 16 51.50 0.7
PATZ 1.14 246 P 16 51.80 0.7
MOH 1.26 195 P 16 54.80 2.2
WLZ 1.57 271 Pc 16 56.80 0.0
eS 17 14.70
TTH 1.72 200 eP 17 00.80 1.9
KUZ 1.89 308 Pd 16 59.80 -1.3
S 17 21.40
NGZ 2.00 230 P 17 04.10 1.3
WAHZ 2.02 208 P 17 04.00 1.0
CNZ 2.04 231 P 17 04.50 1.1
TEHZ 2.15 196 eP 17 04.90 0.0
MOZ 2.26 254 P 17 07.50 1.1
BSZ 2.79 227 P 17 15.50 1.7
PGZ 2.88 200 P 17 14.00 -1.0
MNG 3.15 210 P 17 17.60 -1.2
S 17 54.80
NRZ 3.19 242 P 17 22.00 2.7
KIW 3.59 214 P 17 23.50 -1.5
MTW 3.61 206 P 17 23.10 -2.2
CAW 3.73 211 P 17 24.80 -2.1
BLW 3.81 205 P 17 26.10 -1.9
eS 18 09.50

MRW 3.98 213 P 17 28.60 -1.9
eS 18 13.80
DIW 4.04 223 eP 17 30.00 -1.3
TCW 4.16 217 eP 17 30.40 -2.6
OUZ 4.18 309 P 17 32.80 -0.5
QRZ 4.87 232 P 17 41.20 -1.8
eS 18 37.90
THZ 5.26 222 P 17 45.40 -3.1X
LTZ 6.33 218 P 17 58.60 -4.7X
eS 19 07.60
MQZ 6.88 211 P 18 06.10 -4.8X
eS 19 17.80
BWZ 8.79 219 eP 18 32.50 -4.7X
ODZ 8.82 214 eP 18 32.60 -5.0X
TUZ 9.97 214 eP 18 48.20 -5.1X
WBZ 41.44 283 eP 24 12.60 0.5
0.7s 5.10nm 4.4mb
WRA 41.45 283 P 24 13.80 1.6
0.7s 1.70nm 4.0mb
CSY 46.81 211 eP 24 55.40 0.7
0.8s 4.80nm 4.5mb

S.D. = 1.5 on 34 of 40 obs.

SEP 20, 1993 19h 30m 10.65± 0.62s
36.749 N ± 6.1km 21.173 E ± 3.3km
DEPTH = 10.0km (geophysicist)
4.1mb (18 obs.)

SOUTHERN GREECE (368)
MD 4.0 (ATH). ML 4.0 (THE).

VLI 1.42 91 ePb 30 36.30 -0.1
VLS 1.50 342 ePb 30 39.00 1.4
ATH 2.37 58 ePb 30 49.90 -0.2
AGG 2.45 22 ePn 30 53.46 2.2
eSn 31 25.04
VAM 2.79 118 ePn 30 56.00 -0.2
IGT 2.86 347 iPn 30 57.78 0.7
eSn 31 35.36
KEK 3.15 340 ePn 31 01.70 0.5
SRN 3.26 344 ePn 31 03.10 0.3
LSK 3.43 353 iPnd 31 02.70 -2.5
LIT 3.50 17 ePn 31 07.60 1.4
iSn 31 50.00
KZN 3.58 7 ePn 31 08.50 1.0

PAIG 3.73 31 iPn 31 09.61 0.1
eSn 31 56.36
NPS 3.89 111 ePb 31 21.00 9.2X
VLO 3.94 341 ePn 31 14.10 1.7
FNA 4.03 2 iPn 31 14.78 1.0
eSn 32 02.64

THE 4.12 19 ePn 31 14.96 0.0
OUR 4.20 31 iPn 31 15.89 -0.2
SOI 4.28 289 P 31 18.17 0.8
GRI 4.29 300 P 31 18.06 0.5
GRG 4.31 12 ePn 31 17.80 0.1
eSn 32 09.36

OHR 4.37 356 iPn 31 18.70 0.1
0.5s 70.00nm
i 31 33.00
i 32 01.80
i 32 05.90
i 32 10.80
Lg 32 16.00

LCI 4.38 326 P 31 17.72 -0.9
SOH 4.41 22 ePn 31 20.00 0.9
GMB 4.46 290 P 31 20.82 0.9
KNT 4.61 16 iPn 31 22.29 0.4
eSn 32 17.04
TIR 4.70 348 iPnd 31 24.00 0.7
SRS 4.75 23 ePn 31 23.64 -0.4
iSn 32 20.16

ATN 4.76 289 P 31 24.72 0.6
ORI 4.97 313 P 31 27.79 0.7
MEU 5.01 276 P 31 27.82 0.0
PZI 5.02 275 P 31 26.85 -1.0
BRT 5.16 324 P 31 29.62 -0.1
SKO 5.22 2 iPn 31 30.00 -0.6
MNO 5.30 285 P 31 32.50 0.6
SDA 5.45 347 ePn 31 33.80 -0.1
RDO 5.55 36 ePn 31 35.90 0.6
MGR 5.56 309 P 31 34.95 -0.5
ALN 5.62 41 iPn 31 37.52 1.2
BCI 5.67 352 iPnd 31 36.70 -0.4
GIB 5.83 284 P 31 40.31 1.1
SGO 5.96 311 P 31 41.59 0.6
FAI 6.02 277 P 31 43.50 1.6
DUI 7.16 315 P 31 58.38 0.4
RFI 7.21 311 P 31 58.83 0.3
HVAR 7.37 332 ePn 31 57.70 -3.2X
iSn 33 21.30

SDI 7.56 313 P 32 03.06 -0.5
AQU 8.20 315 P 32 13.36 0.8
MNS 8.64 313 P 32 18.43 -0.2
ASS 9.09 317 P 32 26.01 1.2
ARV 9.23 319 P 32 26.09 -0.6
MLR 9.44 21 eP 32 32.00 2.2
RSM 9.78 320 P 32 34.61 0.3
CRE 9.84 317 P 32 35.38 0.1
VRI 10.02 23 eP 32 49.50 11.9X
SFI 10.09 318 P 32 39.00 0.4
PGD 10.13 318 P 32 40.61 1.3
LJU 10.54 334 e(P) 32 42.00 -2.7
e(S) 34 39.00

TRI 10.54 330 e(Pn) 32 42.90 -1.8
e(Sn) 34 35.00
VOY 10.76 332 eP 32 45.60 -2.2
eS 34 41.70
SBF 12.66 308 eP 33 13.20 -0.3
0.7s 5.50nm 4.9mb

GEC2 13.27 338 Pn 33 20.30 -1.3
Sn 35 40.70
KHC 13.56 338 eP 33 23.50 -1.9
0.9s 3.00nm 4.3mb

i 33 35.00
LPG 13.93 313 eP 33 30.70 0.1
LPL 13.95 313 eP 33 31.10 0.3
0.7s 2.45nm 4.1mb

PRU 14.08 342 eP 33 29.00 -3.1X
e 33 39.00

BSF 15.33 321 eP 33 48.20 -0.5
0.7s 7.60nm 4.2mb

CDF 15.48 323 eP 33 50.70 0.1
0.9s 7.70nm 4.0mb

HAU 15.67 320 eP 33 52.80 -0.2
0.8s 16.50nm 4.3mb

CLL 15.68 341 eP 33 57.00 3.9X
SMF 16.26 313 eP 34 00.50 0.0
0.4s 1.55nm 3.5mb

LBF 16.36 314 eP 34 01.40 -0.4
0.8s 5.65nm 3.7mb

LOR 16.58 315 eP 34 04.60 0.0

AVF 0.8s 5.90nm 3.8mb
16.62 313 eP 34 04.70 -0.4
0.7s 1.75nm 3.3mb

SSF 16.67 314 eP 34 06.10 0.3
0.7s 3.30nm 3.6mb

LPO 17.07 304 eP 34 11.30 0.5
LFF 17.46 304 eP 34 16.40 0.7
DOU 17.92 323 Pc 34 22.60 1.3

0.7s 11.10nm 4.1mb
MFF 18.67 308 eP 34 31.00 0.3
LDF 19.55 314 eP 34 39.70 -1.6

0.8s 10.50nm 4.2mb
LPF 19.83 312 eP 34 44.20 -0.1
FLN 19.85 314 eP 34 42.70 -1.7

0.7s 8.50nm 4.2mb
GRR 19.89 313 eP 34 44.50 -0.4
NUR 23.88 4 iP 35 22.60 -2.2

0.6s 10.90nm 4.6mb
HFS 23.89 351 eP 35 22.00 -2.9
0.5s 4.80nm 4.4mb

Z 15s 0.06um 3.2MsZx
LR 46 08.00
NB2 25.12 349 P 35 35.00 -1.9

0.7s 2.80nm 4.1mb
KAF 25.59 6 iP 35 39.80 -1.4
0.7s 9.30nm 4.6mb

S.D. = 1.1 on 81 of 86 obs.

? SEP 20, 1993 19h 38m 37.04± 0.48s
17.312 S ± 7.3km 64.688 W ± 6.7km
DEPTH = 33.0km (normal)
4.3mb (4 obs.)

CENTRAL BOLIVIA (120)

CCH 1.38 267 P 39 00.80 0.3
CNCB 3.19 278 iPc 39 27.80 1.2
i 39 35.00

LPB 3.36 283 eP 39 29.00 0.2
i 39 38.00
S 40 18.00

LR 40 38.00
LPAZ 3.45 287 Pc 39 30.40 0.0
i 39 36.50

i 39 43.20
S 40 19.60
LR 40 40.00

HJA 5.91 186 ePc 40 04.90 0.3
ARE 6.57 276 eP 40 14.00 -0.2
SLA 7.42 186 iPd 40 24.40 -1.5

i 40 57.00
ANT 8.32 219 iPc 41 37.00 58.7X
iS 42 25.10

NNA 12.89 293 eP 41 41.20 0.4
eS 43 35.70

PPD 13.44 113 eP 41 47.00 -1.0
TCA 13.96 180 iPd 41 54.00 -0.9
PEL 16.66 198 eP 42 31.00 1.3

SOB1 24.50 74 eP 43 57.40 2.7
ALQ 65.37 323 eP 49 16.40 -2.4
1.0s 2.75nm 4.3mb

MSU 71.15 322 eP 49 54.01 -0.8
BW06 72.64 327 (P) 50 02.01 -1.6
0.9s 3.73nm 4.4mb

SPA 72.80 180 iPc 50 04.30 0.2
1.2s 1.41nm 3.8mb

BCH 74.05 315 eP 50 11.54 -0.3
MCMT 75.78 327 eP 50 22.00 0.3
e 52 09.20

YKA 88.64 339 eP 51 27.20 -0.6
0.7s 5.20nm 5.0mb

WRA 138.53 208 PKP 57 52.50 -9.5X
0.5s 0.40nm

WRA 138.53 208 PKP 58 03.20 1.2
0.6s 0.90nm

HYB 144.95 84 ePKP 58 12.50 -0.9
MTN 146.21 209 ePKP 58 16.40 0.9

DMN 150.34 64 PKP 58 28.40 6.4X
KKN 150.44 64 PKP 58 23.40 1.3
GUN 150.93 63 PKP 58 30.00 7.0X

S.D. = 1.2 on 23 of 27 obs.

SEP 20, 1993 19h 40m 30.18± 0.79s
21.324 S ± 5.7km 66.565 W ± 6.7km
DEPTH = 209.7 ± 9.2 km
4.6mb (8 obs.)

SOUTHERN BOLIVIA (125)

20d 19h

ARE 6.72 315 iPd 42 08.10 0.2
IS 43 21.00
CYA 7.12 175 iPc 42 14.50 1.7
RTPR 8.94 180 e(P) 42 35.00 -1.4
RTRS 9.19 196 eP 42 40.00 0.4
CFA 10.35 188 e(P) 42 54.50 -0.2
ZON 10.35 190 eP 42 43.80 -11.0X
MRA 11.07 176 ePc 43 02.50 -1.4
PEL 12.33 196 iP 43 19.90 -0.1
RFA 13.50 187 eP 43 34.30 -0.4
RSTA 16.48 105 eP 44 12.20 0.9
VAO 18.23 99 eP 44 30.90 0.5
CACB 18.46 95 ePc 44 33.70 0.8
BIM 36.02 9 eP 47 13.13 0.0
MVM 36.09 9 eP 47 13.66 0.0
PDF 36.22 9 iP 47 14.51 -0.3
CRM 36.28 9 eP 47 15.35 0.1
MIAR 61.21 335 ePd 50 24.09 -0.9
0.5s 6.97nm 4.6mb
UYO 61.24 334 iPd 50 24.60 -0.6
LTX 61.76 323 eP 50 28.20 -0.7
KDS 63.11 63 iP 50 36.50 -1.4
WMOK 63.60 331 eP 50 39.28 -1.5
0.4s 2.53nm 4.4mb
LIC 66.24 73 P 50 57.21 -0.9
0.5s 4.50nm 4.4mb
Z 21s 25.00um 6.4Msz
KIC 66.56 73 P 50 59.43 -0.7
0.6s 14.50nm 4.9mb
ALQ 67.57 325 eP 51 05.40 -0.9
1.0s 10.50nm 4.5mb
MSU 73.29 324 iPd 51 41.82 1.2
DAU 74.18 326 eP 51 46.66 0.9
ISA 75.02 318 iPd 51 51.73 1.4
1.0s 19.07nm 4.8mb
BW06 75.08 329 eP 51 50.93 0.2
BONR 76.41 320 eP 51 59.53 1.1
ORV 79.35 320 eP 52 15.30 1.2
RMW 84.54 326 (P) 52 40.65 0.0
YKA 91.76 340 eP 53 14.00 -0.6
0.7s 4.60nm 4.6mb
CSY 92.63 179 eP 53 19.90 1.2
0.7s 8.00nm 4.9mb
WB2 134.17 208 ePKP 59 24.70 -0.3
0.4s 4.40nm
WRA 134.17 208 PKP 59 25.80 0.8
0.4s 1.50nm
GBA 144.88 97 PKP 59 44.00 -0.4
DMN 153.50 71 PKP 00 06.80 9.1X
KKK 153.63 70 PKP 00 06.60 8.8X
S.D. = 0.9 on 35 of 38 obs.

& SEP 20, 1993 19h 44m 10.59s
37.418 N 118.548 W
DEPTH = 13.3km
CALIFORNIA-NEVADA BORDER REGION (40)
<GM-P>. MD 2.9 (GM).

MTUM 0.07 191 iPd 44 13.28 -0.3
BHPR 0.13 158 P 44 14.06 -0.3
CASR 0.16 359 P 44 14.56 -0.2
CWCR 0.21 68 P 44 15.17 -0.4
HTCR 0.21 302 P 44 15.47 -0.2
ORC 0.23 338 P 44 15.76 -0.3
MRCM 0.26 7 iPd 44 16.06 -0.3
CLKR 0.28 308 P 44 16.68 -0.1
BCKR 0.31 27 P 44 17.12 -0.2
MCSM 0.37 310 P 44 18.55 0.1
MEMM 0.40 309 eP 44 18.71 -0.2
MMPM 0.43 297 iPc 44 19.00 -0.5
BONR 0.57 20 iPd 44 21.78 -0.3
FRI 1.02 246 P 44 29.37 -0.2
TNP 1.25 57 eP 44 33.84 0.3
eS 44 49.37
WLHM 1.28 171 P 44 33.99 -0.3
VPEN 1.58 158 P 44 39.97 1.5
WCHM 1.58 166 P 44 39.45 0.9
CMB 1.58 293 eP 44 38.97 0.6
eS 44 58.61
WASM 1.68 180 P 44 41.40 1.5
MCUM 1.73 289 P 44 41.81 1.3
ISA 1.75 178 eP 44 42.00 1.1
eS 45 04.99
PDRM 1.82 234 P 44 43.93 2.2
WOFM 1.88 184 P 44 44.50 1.7
MNHM 1.94 293 P 44 45.56 2.1
BMSM 1.95 248 P 44 45.38 1.7

WSHM 1.97 154 P 44 47.47 3.4
BCH 2.55 210 eP 44 53.16 0.8
ABL 2.62 192 eP 44 54.55 1.1
JTGM 2.68 263 P 44 58.27 4.1
30 obs. associated

SEP 20, 1993 19h 54m 05.30± 0.16s
21.277 N ± 2.9km 146.230 E ± 3.2km
DEPTH = 33.0km (normal)
5.4mb (62 obs.) 4.9Msz (36 obs.)
MARIANA ISLANDS REGION (215)
Mw 5.3 (HRV). Ms 4.8 (BRK).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 42C
Centroid Location:
Origin Time 19:54: 6.5 0.5
Lat 21.27N 0.04 Lon 146.41E 0.05
Dep 15.0 FIX Half-duration 1.2
Moment Tensor; Scale 10**16 Nm
Mrr=-0.10 0.35 Mtt=1.99 0.50
Mff=-1.88 0.50 Mrt=-6.44 1.46
Mrf= 0.29 1.64 Mtf=-9.30 0.35
Principal Axes:
T Val= 11.92 Plg=25 Azm=214
N -0.93 56 82
P -10.99 22 315
Best Double Couple: Mo=1.1*10**17
NP1: Strikes=355 Dip=56 Slip= 2
NP2: 264 88 146

PJG 7.76 190 P 56 00.40 1.6
GUMO 7.76 190 eP 56 00.40 1.6
1.0s 317.10nm 6.3mb
eS 57 22.80
GUA 7.80 189 eP 56 00.70 1.3
0.8s 328.36nm 6.5mb X
KAKJ 15.79 342 eP 57 46.40 -0.3
IIDJ 15.92 335 eP 57 48.90 0.4
WKYJ 15.95 326 eP 57 48.60 -0.3
WKYJ 15.95 326 eP 57 48.70 -0.2
CHJJ 16.02 338 eP 57 45.70 -4.0X
TKSJ 16.62 322 eP 57 57.80 0.5
TKSJ 16.62 322 eP 57 57.90 0.6
MAT 16.74 337 eP 57 57.00 -1.9
0.8s 11.94nm 4.1mb X
eS 00 55.00
TSRJ 16.81 330 eP 57 58.40 -1.3
KAGJ 16.92 309 eP 58 05.20 4.0X
MTMJ 16.93 336 eP 58 00.40 -0.9
NIIJ 17.10 340 P 58 04.00 0.6
YAMJ 17.67 344 eP 58 09.40 -1.1
eS 01 22.70
KUMJ 17.71 312 P 58 12.70 1.7
SHK 17.80 321 eP 58 12.30 0.1
YONJ 17.82 324 eP 58 11.90 -0.5
OFUJ 18.17 349 eP 58 14.50 -2.2
eS 01 23.50
SHNJ 18.49 317 P 58 21.90 1.2
AOMJ 19.86 347 eP 58 43.40 7.0X
HOOJ 21.19 354 eP 58 50.10 -0.1
MRRJ 21.53 350 eP 58 53.60 0.0
KUSJ 21.80 357 eP 58 55.00 -1.3
PLP 22.72 247 ePd 59 06.50 0.9
ASAJ 22.97 353 eP 59 10.20 2.3
CVP 23.28 265 ePd 59 12.00 1.0
MAP 23.98 246 eP 59 19.00 1.1
KVG 24.14 169 eP 59 19.00 -0.4
CGP 24.36 242 eP 59 22.00 0.4
DAV 24.45 238 eP 59 19.00 -3.4X
SSE 24.46 299 Pd 59 21.00 -1.4
0.9s 180.00nm 5.6mb
Z 20s 1.80um 4.6Msz
N 14s 1.40um
E 14s 0.80um
pP 59 32.50 45kmX
sP 59 41.20
S 03 40.00
BAG 24.74 263 eP 59 24.80 -0.6
TGY 25.11 258 eP 59 34.50 5.6X
QZH 25.66 283 eP 59 31.00 -2.9
Z 18s 1.81um 4.6Msz
N 14s 0.98um
S 04 02.00
YSS 25.84 354 eP 59 34.70 -0.6
Z 16s 1.40um 4.6MszX
N 14s 0.70um

E 14s 1.30um
e 59 44.30
(S) 03 49.00
NJ2 26.64 299 Pd 59 42.00 -0.9
Z 20s 1.12um 4.4Msz
N 12s 1.63um
E 12s 0.96um
MDJ 27.04 333 eP 59 49.30 2.9
Z 16s 2.95um 4.9MszX
N 14s 2.84um
E 14s 2.09um
ss 04 34.00
SNY 28.00 322 eP 59 54.60 -0.5
1.0s 74.00nm 5.3mb
Z 26s 1.61um 4.5MszX
N 13s 1.69um
E 14s 1.22um
ss 04 50.00
CN2 28.33 327 P 00 02.40 4.3X
1.0s 28.00nm 4.9mb
Z 15s 1.18um 4.6MszX
N 13s 0.81um
E 13s 1.75um
epP 00 11.00 30kmX
eS 04 42.00
PFR 28.80 251 ePc 00 08.00 5.4X
TIA 29.40 307 P 00 07.10 -0.8
1.0s 250.00nm 5.9mb
N 13s 1.24um
E 13s 0.77um
eS 04 57.00
WHN 30.04 294 eP 00 12.50 -1.1
Z 16s 1.78um 4.8MszX
N 16s 2.00um
pP 00 17.20 16kmX
SKR 30.34 12 eP 00 26.50 10.5X
0.7s 60.00nm
PMG 30.50 178 eP 00 15.00 -2.7
BJI 31.69 313 eP 00 30.00 2.0
0.9s 40.00nm 5.3mb
Z 18s 1.76um 4.8Msz
N 15s 1.36um
eS 05 34.00
eSS 07 20.00
KKM 32.77 247 ePd 00 40.00 2.2
PET 33.09 14 eP 00 43.00 2.9
1.2s 160.00nm 5.8mb
Z 16s 1.00um 4.6MszX
TIY 33.44 307 eP 00 43.00 -0.4
1.0s 67.00nm 5.5mb
Z 18s 1.82um 4.8Msz
N 13s 1.24um
S 06 04.50
QIZ 34.19 273 eP 00 55.00 5.0X
N 16s 1.63um
XAN 35.21 299 P 00 57.50 -1.2
0.8s 69.00nm 5.6mb
Z 40s 2.86um 4.7MszX
N 14s 1.02um
E 14s 0.69um
pP 01 02.40 17kmX
S 06 29.00
sS 06 38.00
HHC 35.22 312 eP 00 59.00 0.3
HHC 35.22 312 P 01 00.70 2.0
1.0s 26.00nm 5.1mb
Z 28s 1.93um 4.7MszX
N 17s 1.96um
E 19s 1.65um
pP 01 07.00 21kmX
sP 01 11.00
BTO 36.21 310 eP 01 07.00 -0.1
N 13s 0.55um
E 15s 0.89um
pP 01 12.00 17kmX
GYA 36.45 286 P 01 09.40 0.1
1.0s 33.00nm 5.2mb
Z 20s 1.09um 4.6Msz
MTN 37.01 205 eP 01 13.00 -0.8
CD2 39.13 293 P 01 30.60 -1.1
1.0s 190.00nm 5.8mb
Z 18s 2.02um 5.0Msz
S 07 25.00
LZH 39.69 301 iPc 01 36.50 0.1
1.5s 120.00nm 5.4mb
Z 25s 1.87um 4.8MszX
N 15s 1.04um

		pP	01 42.00	19kmX			PP	05 22.00		WTV	77.05	44 P	05 56.47	-0.4		
		sP	01 46.00				ScP	08 17.00		LGPM	77.07	51 eP	05 57.16	-0.1		
		PP	03 10.00				PcS	08 22.40				e	06 02.14			
		PcP	03 48.00				S	10 51.00		VGB	77.16	46 ePc	05 57.71	0.2		
		S	07 36.00				sS	11 09.00		CROR	77.17	47 P	05 57.58	-0.1		
		sS	07 50.00				ScS	13 03.20		WDC	77.38	51 eP	05 58.84	0.1		
CIT	39.72	329 eP	01 38.00	1.7			SS	14 20.40			0.8s	16.45nm	5.1mb			
KMI	40.03	284 eP	01 40.00	0.6		STK	53.04	185 eP	03 17.60	-3.8X	Z	20s	0.62um	4.9MsZ		
	1.0s	60.00nm		5.3mb			1.3s	4.00nm		4.2mb X	SAW	77.41	44 P	05 58.45	-0.4	
	Z	20s	1.40um	4.8MsZ		PORT	54.62	199 iPd	03 32.50	-0.6	VIPM	77.56	47 P	05 59.73	-0.2	
	N	15s	1.30um			GUN	54.81	290 P	03 35.20	0.1	WAH2	77.59	45 P	05 59.92	0.2	
KNA	40.59	206 eP	01 44.60	0.9		KKN	55.35	290 P	03 38.60	-0.3	LBFM	77.62	50 ePd	05 59.89	-0.5	
CTA	41.11	180 iPd	01 47.10	-0.8		BWA	55.43	178 eP	03 38.70	-0.2		i	06 05.09			
	0.7s	52.74nm		5.4mb		DMN	55.53	290 P	03 39.80	-0.4	NTYM	77.94	53 eP	06 01.68	-0.2	
ADK	41.90	34 eP	01 54.17	0.1		CAN	56.35	177 eP	03 48.00	2.5		e	06 06.32			
YAK	42.28	349 eP	01 56.30	-0.7		CNB	56.36	177 eP	03 47.00	1.4	DPW	78.12	43 eP	06 02.58	-0.2	
	0.8s	313.00nm		6.1mb		KDC	56.99	34 (P)	03 49.80	0.0		e	06 07.32			
	Z	20s	0.90um	4.7MsZ			0.8s	20.19nm		5.2mb	ORV	78.45	52 eP	06 04.02	-0.7	
WB2	42.58	197 iPc	01 59.10	-0.9		COOL	57.18	206 eP	03 50.00	-1.6		i	06 08.90			
	0.6s	43.40nm		5.4mb		CP2	57.95	30 eP	03 56.28	-0.5	HMR	78.66	53 eP	06 06.83	1.0	
		eS	08 20.00				e	03 59.99			NEW	78.68	43 eP	06 04.99	-0.8	
GTA	43.43	305 Pc	02 06.40	-0.5		CRP	57.99	30 (P)	03 57.22	0.2		0.8s	70.31nm	5.7mb		
	1.5s	33.00nm		4.9mb		MRWA	58.05	211 eP	03 56.00	-1.6	COE	79.03	54 eP	06 08.12	0.2	
	Z	18s	1.94um	5.1MsZ		TOO	58.54	181 eP	04 05.00	4.1X	SAO	79.36	55 eP	06 09.37	-0.4	
	N	17s	1.08um				0.8s	26.00nm		5.4mb		1.4s	71.83nm	5.5mb		
		pP	02 19.50	49kmX		IMA	58.73	24 eP	04 01.22	-0.9		Z	20s	0.54um	4.9MsZ	
		sP	02 25.00			BAL	58.87	210 eP	04 02.20	-1.1			79.75	53 eP	06 11.61	-0.3
		S	08 32.00			KLB	59.23	208 eP	04 04.00	-1.8		1.0s	74.51nm	5.6mb		
		SS	08 48.00			PMR	59.48	30 eP	04 06.52	-0.6		Z	21s	0.76um	5.0MsZ	
NST	43.96	271 eP	02 12.00	0.7			1.2s	74.76nm		5.7mb			e	06 16.49		
CHTO	44.36	276 ePd	02 14.10	-0.5		NWAO	60.60	208 eP	04 14.40	-0.7	BCH	80.92	56 eP	06 17.86	-0.3	
	0.8s	15.92nm		4.9mb		FBA	60.77	27 eP	04 15.28	-0.7	MEMM	80.96	53 eP	06 19.00	0.9	
ZAK	44.42	321 eP	02 16.00	1.4			0.8s	18.95nm		5.3mb	SDF	81.17	340 eP	06 18.00	-0.7	
	1.7s	58.00nm		5.1mb		KLU	60.97	31 eP	04 16.23	-1.3	BONR	81.33	53 ePd	06 20.29	-0.3	
	Z	14s	0.98um	4.9MsZ		KSH	61.81	304 P	04 26.50	2.8	ABL	81.70	56 eP	06 22.25	-0.2	
	N	14s	0.68um				Z	20s	1.87um	5.2MsZ	DAG	81.75	357 iPd	06 26.80	5.3X	
	E	13s	1.73um				E	15s	1.95um			0.7s	13.01nm	5.1mb		
		eS	08 48.00			RKG	62.10	207 eP	04 26.00	0.7	ISA	81.99	55 ePd	06 22.64	-1.1	
BDT	44.64	273 eP	02 15.00	-1.8		NDI	62.24	292 iPc	04 20.10	-6.4X		1.0s	23.84nm	5.2mb		
	0.7s	25.80nm		5.2mb			0.6s	66.67nm		5.9mb		Z	21s	0.44um	4.8MsZ	
IRK	44.68	324 ePc	02 15.50	-1.2		FRU	62.56	308 eP	04 29.00	0.5			i	06 27.84		
	Z	16s	0.93um	4.8MsZ		BALM	62.63	31 eP	04 27.31	-1.4	TNP	82.09	52 ePd	06 23.89	-0.5	
	N	12s	0.54um			HYB	63.54	279 eP	04 35.00	-0.3		0.7s	33.46nm	5.5mb		
	E	16s	0.42um				0.8s	35.00nm		5.5mb	MOS	82.58	327 eP	06 31.00	4.8X	
		e	02 21.00			GBA	65.65	276 P	04 48.00	-0.9		Z	17s	1.10um	5.3MsZ	
		e	02 28.20			INK	66.82	23 eP	04 55.00	-0.6	MCMT	82.66	45 eP	06 27.00	-0.3	
		e	08 44.00				0.9s	20.00nm		5.2mb	GRO	82.98	314 eP	06 27.00	-1.5	
KHT	45.62	270 eP	02 25.50	0.8			pP	05 06.50	38kmX			i	06 35.00			
SNG	46.20	259 eP	02 35.20	6.0X		SVE	70.08	324 ePd	05 16.00	0.0		eS	16 50.00			
ASPA	46.26	196 iPc	02 20.50	-9.0X			1.2s	80.00nm		5.7mb	OBN	83.39	327 eP	06 30.00	-0.4	
	1.1s	4.00nm		4.3mb X			Z	17s	0.70um	5.0MsZ		e	06 41.00			
		i	02 28.90				E	17s	0.50um			eS	16 52.00			
		iScP	07 34.80			ARU	71.26	324 eP	05 23.00	-0.1	GSC	83.39	55 ePd	06 30.71	-0.3	
		iPcS	08 02.50				Z	18s	1.00um	5.1MsZ	HHAI	83.57	46 eP	06 32.38	0.6	
		eS	09 11.30				N	16s	0.50um		PEC	83.63	56 eP	06 31.72	-0.5	
LEM	47.07	238 iPc	02 36.00	-0.3			E	16s	1.00um			1.3s	140.75nm	5.9mb		
DZM	47.38	154 iPc	02 26.90	-11.6X				e	05 34.50		PTI	83.74	46 (P)	06 33.46	0.7	
DZM	47.38	154 iPc	02 38.40	-0.1				e	05 41.00		HVU	83.89	48 (P)	06 34.04	0.5	
MBL	49.43	213 eP	02 53.50	-0.8				e	05 45.99	1.1	PLM	84.06	57 eP	06 33.25	-1.3	
	0.4s	4.00nm		4.8mb		MCW	74.93	43 (P)	05 47.00	0.3		i	06 38.75			
LSA	50.03	291 Pd	03 00.80	1.3		MAIO	75.19	303 eP	05 47.00	0.3	KAF	84.28	336 iP	06 34.00	-0.8	
	0.8s	24.00nm		5.3mb				eS	15 40.00			0.6s	47.80nm	5.8mb		
		S	10 12.00			BMW	75.25	46 P	05 47.45	0.7	PYA	84.46	315 eP	06 34.00	-2.1	
TIK	51.37	353 eP	03 13.00	4.6X		GMW	75.26	44 P	05 46.70	0.0		i	06 42.00			
	1.0s	46.00nm		5.4mb		YKA	75.49	28 P	05 46.70	-1.0	DUG	84.48	49 (P)	06 37.34	0.9	
	Z	18s	0.60um	4.7MsZ			0.8s	63.00nm		5.7mb		1.4s	134.21nm	5.9mb		
		e	03 27.00					e	05 56.30			Z	20s	0.28um	4.6MsZ	
		e	04 28.00			RNO	75.58	48 P	05 49.35	0.6			e	06 41.33		
		e	05 11.00			ASH	75.63	305 eP	05 49.50	0.5	ARUT	84.97	51 eP	06 39.01	0.0	
ILT	51.48	16 eP	03 12.00	2.7		JCW	75.64	44 P	05 49.08	0.2	KER	85.40	305 eP	06 41.00	-0.1	
	Z	16s	0.60um	4.7MsZ		RMW	75.92	44 eP	05 50.63	0.0	DAU	85.49	48 (P)	06 42.97	1.2	
		iS	10 28.00					e	05 55.38		MSU	85.60	50 eP	06 42.45	0.2	
ARMA	51.66	174 eP	03 10.00	-1.3		SHW	75.99	46 eP	05 51.20	0.1	BW06	85.67	46 eP	06 41.68	-0.8	
	1.0s	35.00nm		5.3mb				e	05 56.30			0.8s	16.50nm	5.3mb		
HON	51.71	79 P	03 20.00	8.2X		LON	76.11	45 ePd	05 51.01	-0.7	GLA	85.75	56 eP	06 42.65	-0.2	
	Z	19s	0.36um	4.4MsZ				e	05 55.89		NUR	85.88	335 eP	06 41.90	-0.9	
NANU	52.87	216 eP	03 20.00	-0.3		FMW	76.15	45 P	05 51.81	-0.3		0.5s	15.80nm	5.5mb		
WMQ	53.04	309 Pd	03 21.40	-0.1		SSOR	76.21	47 P	05 52.42	0.1	FCC	86.15	27 eP	06 51.50	7.4X	
	1.4s	96.00nm		5.6mb		ASR	76.43	46 P	05 53.36	-0.2	SRU	86.54	49 eP	06 46.85	0.1	
	Z	22s	1.38um	5.0MsZ		EBG	76.88	45 P	05 55.96	0.0		i	06 51.33			
	N	14s	1.25um			YBH	76.92	50 eP	06 04.52	8.2X	PV09	87.78	49 eP	06 52.72	-0.2	
		pP	03 33.00	40kmX			Z	19s	0.40um	4.8MsZ	PV10	87.90	50 eP	06 53.27	-0.2	
		sP	03 40.80					eS	15 50.52		PV08	88.09	49 eP	06 59.08	4.6X	
		PcP	04 27.00					eLQ	24 35.52		RSSD	88.66	43 eP	06 56.51	-0.4	
								eLR	26 49.52			1.5s	72.48nm	5.8mb		

20d 20h

Z 21s 0.41um 4.8MsZ
 UPP 88.98 337 iP 07 00.50 2.7
 i 07 08.00
 TUC 89.17 56 eP 07 01.13 1.7
 1.4s 100.12nm 5.9mb
 GOL 89.86 47 eP 07 03.26 0.5
 1.6s 160.18nm 6.0mb
 Z 20s 0.77um 5.1MsZ
 GLD 89.94 47 eP 07 04.15 1.1
 1.4s 113.99nm 5.9mb
 e 07 08.94
 HFS 90.19 338 eP 07 02.50 -1.0
 0.6s 17.40nm 5.5mb
 Z 17s 0.31um 4.8MsZ
 LR 41 49.00
 ULM 90.20 35 eP 07 11.00 7.3X
 NB2 90.34 340 P 07 03.80 -0.5
 0.8s 16.30nm 5.4mb
 ALQ 91.28 52 eP 07 09.17 -0.1
 1.2s 52.15nm 5.8mb
 Z 19s 0.26um 4.7MsZ
 BSD 93.36 334 iP 07 20.90 2.7
 UZH 94.32 326 eP 07 27.50 4.8X
 e 07 40.00
 ACO 95.61 47 iPd 07 33.30 4.4X
 KSP 95.77 331 eP 07 28.60 -0.8
 ic 07 33.90
 e 11 26.00
 LTX 95.97 56 eP 07 30.56 -0.3
 i 07 35.31
 BRG 96.80 332 eP 07 38.10 4.0X
 e 07 44.70
 WMOK 96.88 49 eP 07 33.77 -1.0
 0.8s 20.04nm 5.7mb
 Z 18s 0.42um 5.0MsZ
 i 07 39.14
 CLL 96.90 333 e(P) 07 37.00 2.5
 PRU 97.17 331 eP 07 40.20 4.5X
 N 17s 0.70um
 E 18s 0.60um
 ePP 11 31.00
 ZST 97.22 328 ePDIF 07 48.60 12.6X
 ePP 11 35.30
 MOX 97.98 333 e(P) 07 44.00 4.6X
 Z 22s 0.50um 5.0MsZ
 KHC 98.23 331 eP 07 45.00 4.5X
 0.9s 3.00nm 4.8mb
 Z 14s 0.60um 5.2MsZ
 e 07 51.50
 ePP 11 45.00
 e 11 53.00
 e 11 58.50
 GEC2 98.37 331 P 07 44.40 3.1X
 0.6s 1.48nm 4.7mb
 e 07 51.80
 e 07 59.20
 e 08 06.50
 e 11 40.60
 e 11 52.60
 e 12 00.70
 GRF 98.86 332 ePDIF 07 47.60 4.2X
 Z 20s 0.50um 5.0MsZ
 e 07 55.00
 MIAR 100.58 47 PdIF 08 00.00 8.7X
 Z 18s 0.39um 4.9MsZ
 FVM 100.60 42 PdIF 08 00.00 8.6X
 Z 19s 0.86um 5.3MsZ
 CDF 101.52 333 ePDIF 07 58.70 3.4X
 0.8s 3.35nm 5.0mb
 LBF 104.00 334 ePDIF 08 08.90 2.5
 LPL 104.01 332 ePDIF 08 10.00 3.3X
 0.5s 1.00nm 4.9mb
 LPG 104.02 332 ePDIF 08 10.20 3.4X
 0.6s 2.05nm 5.1mb
 YSNY 104.31 33 (PdIF) 08 08.73 0.9
 0.8s 126.90nm 6.8mb X
 Z 20s 0.47um 5.0MsZ
 AVF 104.41 335 ePDIF 08 11.80 3.7X
 1.0s 6.20nm 5.4mb
 RSNY 104.65 29 PdIF 08 20.00 10.8X
 Z 21s 0.20um 4.6MsZ
 CBM 105.37 24 PKP 12 40.00 13.8X
 Z 21s 0.63um 5.1MsZ
 BINY 105.77 31 PKP 12 40.00 12.8X
 Z 18s 0.20um 4.7MsZ
 LBNH 106.04 28 PKP 12 40.00 12.4X
 Z 19s 0.55um 5.1MsZ

MYNC 106.36 41 PKP 12 40.00 11.5X
 Z 21s 0.59um 5.1MsZ
 LSCT 107.49 30 PKP 12 40.00 9.6X
 Z 20s 0.33um 4.9MsZ
 CEH 108.78 38 (PdIF) 08 29.29 1.5
 0.5s 44.47nm 6.9mb X
 i 08 34.36
 BFT 121.80 252 ePKP 13 03.00 4.6X
 SLR 123.37 253 ePKP 13 02.00 0.7
 SEK 124.33 250 ePKP 13 01.50 -1.7
 BLF 125.68 249 ePKP 13 06.00 0.2
 GRM 125.71 244 ePKP 13 20.50 14.9X
 PEL 145.28 118 iPKP 13 41.50 -0.2
 LPAZ 147.14 87 PKPd 13 48.10 2.2
 i 13 54.00
 LPB 147.22 88 ePKP 13 46.00 0.2
 LR 06 50.00
 CNCB 147.40 88 PKP 13 46.20 -0.1
 i 13 49.00

S.D. = 1.1 on 184 of 230 obs.

SEP 20, 1993 19h 59m 12.06± 0.35s
 44.754 N ± 2.7km 7.264 E ± 4.5km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 2.3 (GEN).

BHB 0.09 359 P 59 14.95 0.3
 S 59 16.32
 PZZ 0.28 205 P 59 17.33 -0.6
 S 59 20.62
 RRL 0.38 296 P 59 19.34 -0.6
 S 59 24.49
 RSP 0.40 359 P 59 20.58 0.3
 S 59 26.02
 STV 0.51 175 P 59 21.95 -0.5
 S 59 29.18
 ENR 0.54 168 P 59 22.18 -0.8
 S 59 29.59
 ROB 0.63 136 P 59 24.70 -0.1
 S 59 32.83
 LSD 0.71 354 P 59 25.78 -0.4
 S 59 35.51
 LPG 0.83 334 Pg 59 28.00 -0.3
 Sg 59 38.50
 LPL 0.85 334 Pg 59 28.60 0.0
 Sg 59 38.50
 FIN 0.87 129 P 59 28.81 0.0
 PCP 0.94 103 P 59 30.41 0.4
 IMI 0.96 152 P 59 29.90 -0.4
 FRF 1.27 201 Pg 59 36.30 0.6
 Sg 59 52.00
 LRG 1.45 207 Pg 59 39.80 1.5
 Sg 59 58.80
 LMR 1.52 201 Pg 59 39.90 0.6
 Sg 00 00.30

S.D. = 0.6 on 16 of 16 obs.

* SEP 20, 1993 20h 05m 38.06± 1.23s
 14.681 N ± 20.7km 93.425 W ± 10.9km
 DEPTH = 33.0km (normal)
 4.5mb (10 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.15 79 iP 06 00.00 2.1
 is 06 14.00
 SCX 2.18 20 eP 06 18.00 5.3X
 is 06 48.00
 PCG 2.74 96 eP 06 21.78 0.8
 IXG 2.92 100 ePc 06 22.84 -0.6
 eS 07 09.09
 YUP 3.54 97 eP 06 31.34 -0.9
 OXX 3.97 307 eP 06 38.50 0.1
 (S) 07 35.00
 IIT 6.36 313 (P) 07 07.50 -4.8X
 PPM 6.62 312 eP 07 16.00 -0.1
 IIA 6.70 312 (P) 07 12.50 -4.2X
 MRX 8.95 305 (P) 07 47.50 -0.5
 LTX 17.38 329 eP 09 40.70 0.8
 UYO 19.42 357 iPd 10 02.40 -2.2
 MIAR 19.78 360 eP 10 07.05 -1.4
 1.1s 26.23nm 4.5mb
 WMOK 20.55 347 eP 10 15.36 -1.1
 0.7s 9.48nm 4.3mb
 TUL 21.25 355 iP 10 25.50 1.9
 ALQ 23.34 332 eP 10 45.99 1.4
 1.1s 9.61nm 4.2mb

TUC 23.63 321 eP 10 48.96 1.7
 GOL 27.04 339 eP 11 20.07 0.5
 1.0s 15.59nm 4.6mb
 MCMT 34.27 335 ePc 12 24.70 1.2
 YKA 50.06 347 eP 14 30.00 -1.4
 0.7s 9.10nm 4.9mb
 SOB1 57.23 111 eP 15 14.30 -10.7X
 INK 59.40 344 eP 15 38.50 -0.9
 0.6s 1.00nm 4.1mb
 DAG 72.30 13 iPd 17 02.00 0.2
 0.8s 11.94nm 4.9mb
 EKA 78.22 36 Pc 17 34.10 -1.8
 0.9s 6.20nm 4.6mb
 NB2 84.21 28 P 18 08.20 0.9
 0.9s 13.20nm 5.1mb
 GEC2 89.95 39 PKP 18 35.40 -0.2
 0.9s 1.13nm 4.2mb
 HYB 147.14 14 ePKP 25 17.50 -0.5
 GBA 150.48 18 PKP 25 27.00 3.8X
 S.D. = 1.3 on 23 of 28 obs.

? SEP 20, 1993 20h 18m 04.66± 3.90s
 28.918 N ± 40.8km 34.485 E ± 17.2km
 DEPTH = 10.0km (geophysicist)
 3.9mb (2 obs.)

EGYPT (553)

ML 4.3 (BHL). MD 3.8 (HLW).

NAQJ 1.40 39 Pc 18 30.00 -0.4
 SHWJ 1.71 31 P 18 34.40 -0.4
 DHLJ 2.06 23 Pd 18 42.00 2.4
 JRDJ 2.08 29 P 18 40.00 -0.1
 HLW 2.90 290 ePn 18 52.75 1.1
 eSn 19 31.50
 MASJ 3.00 21 P 18 58.00 4.9X
 SALJ 3.25 18 P 18 57.00 0.2
 JARJ 3.54 20 Pc 18 47.00 -13.9X
 BHL 5.07 11 Pn 19 36.00 13.4X
 Sn 20 47.00
 CSS 6.11 351 eP 19 36.00 -1.1
 GEC2 25.50 327 P 23 34.60 -0.1
 0.7s 0.99nm 3.6mb
 HFS 34.24 342 eP 24 50.80 -1.6
 0.5s 1.40nm 4.1mb
 S.D. = 1.4 on 9 of 12 obs.

SEP 20, 1993 20h 29m 00.74± 0.91s
 33.161 S ± 6.2km 70.395 W ± 7.4km
 DEPTH = 10.0km (geophysicist)
 CHILE-ARGENTINA BORDER REGION (127)

FCH 0.19 152 iP 29 03.63 -1.5
 is 29 06.35
 PEL 0.24 274 iP 29 06.68 0.7
 is 29 12.08
 PCH 0.47 192 iP 29 09.92 -0.4
 is 29 17.87
 JACH 0.51 341 iP 29 10.11 -0.9
 is 29 17.89
 ROCH 0.55 290 iP 29 12.20 0.1
 is 29 21.71
 TACH 0.67 223 iP 29 14.04 0.0
 is 29 25.42
 CACH 0.97 190 iP 29 19.04 -0.2
 is 29 32.99
 LCCH 1.03 252 iP 29 20.61 0.4
 is 29 36.38
 LNV 1.16 227 iP 29 22.14 -0.3
 is 29 39.14
 RFA 2.27 136 iPd 29 41.00 2.1
 S.D. = 1.1 on 10 of 10 obs.

% SEP 20, 1993 20h 43m 40.97± 1.13s
 39.120 N ± 10.4km 21.985 E ± 7.2km
 DEPTH = 10.0km (geophysicist)

GREECE (364)

ML 2.5 (THE).

AGG 0.29 110 ePg 43 47.36 0.4
 eSg 43 51.92
 LIT 1.05 22 ePg 44 00.44 -0.4
 eSg 44 15.92
 IGT 1.35 288 ePb 44 05.04 -0.7
 eSb 44 22.48
 PAIG 1.54 58 ePb 44 07.92 -0.5
 FNA 1.73 344 ePb 44 11.00 -0.2
 GRG 1.86 10 ePb 44 13.51 0.3

KNT 2.16 19 ePn 44 17.11 -0.3
 OHR 2.19 336 e(Pn) 44 19.50 1.6
 S.D. = 0.9 on 8 of 8 obs.

SEP 20, 1993 22h 32m 44.09± 0.74s
 13.003 N ± 4.0km 145.822 E ± 4.9km
 DEPTH = 65.5 ± 6.1 km
 5.4mb (39 obs.)

MARIANA ISLANDS (216)

Mw 5.2 (HRV). Felt (III) at
 Andersen AFB, Agana and
 Tamuning, Guam.

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 24S, 29C

Centroid Location:

Origin Time 22:32:43.8 0.4

Lat 12.84N 0.05 Lon 146.01E 0.05

Dep 46.8 5.7 Half-duration 1.0

Moment Tensor; Scale 10**16 Nm

Mrr= 5.70 0.24 Mtt=-1.11 0.41

Mff=-4.60 0.39 Mrt= 0.16 1.02

Mrf= 4.02 1.00 Mtf= 3.44 0.33

Principal Axes:

T Val= 7.30 Plg=67 Azm=295

N 0.29 17 158

P -7.59 15 63

Best Double Couple:Mo=7.4*10**16

NP1:Strike=130 Dip=34 Slip= 58

NP2: 347 62 110

GUA 1.03 301 iPd 33 03.40 0.3

GUMO 1.10 302 iPd 33 04.20 0.3

iS 33 19.90

PJG 1.10 302 iP 33 04.20 0.3

SAPN 2.19 358 eP 33 18.60 -0.3

e(S) 33 45.40

SAPN 2.19 358 e(P) 33 34.20 15.3X

ANAT 3.33 357 eP 33 35.20 0.2

ANAT 3.33 357 e(P) 33 50.00 15.0X

ALMG 4.57 0 eP 33 52.60 0.2

eS 34 44.40

PAGN 5.04 359 eP 33 59.70 0.7

PLP 20.46 267 ePd 37 20.00 1.1

DAV 20.78 256 eP 37 24.00 1.9

CTB 22.05 257 ePd 37 36.00 1.2

PMG 22.30 177 eP 37 38.00 0.7

KAGJ 22.73 325 eP 37 42.00 0.6

GQP 22.75 275 ePc 37 43.50 1.8

WKYJ 23.08 338 iP+ 37 44.60 -0.2

WKYJ 23.08 338 P 37 44.70 -0.1

TKSJ 23.47 335 eP 37 48.20 -0.4

TKSJ 23.47 335 P 37 48.40 -0.2

IIDJ 23.49 344 P 37 48.10 -0.7

KAKJ 23.65 349 eP 37 48.60 -1.7

CHJJ 23.76 346 eP 37 49.20 -2.1

KUMJ 23.80 327 P 37 52.40 0.6

TSRJ 24.13 340 P 37 53.90 -1.1

TGY 24.22 275 eP 37 57.00 0.9

MAT 24.42 345 eP 37 56.00 -1.8

1.2s 112.50nm 5.2mb

Z 20s 1.06um 4.3MsZ

eS 42 10.00

MTMJ 24.56 344 P 37 57.50 -1.8

BAG 24.64 281 eP 38 00.50 0.2

YONJ 24.75 335 iP+ 38 00.00 -1.0

NIIJ 24.90 347 P 38 00.70 -1.6

SHNJ 24.92 330 P 38 02.90 0.4

OFUJ 26.23 353 eP 38 14.60 -0.1

PPR 26.74 266 ePc 38 20.00 0.4

SSE 28.96 312 Pc 38 38.00 -1.5

1.5s 130.00nm 5.3mb

Z 20s 0.90um 4.4MsZ

NJ2 31.16 312 Pd 38 58.00 -1.0

1.0s 21.00nm 4.8mb

CTA 32.89 179 iPc 39 13.40 -0.7

0.7s 27.05nm 5.2mb

WHN 33.88 306 iPd 39 23.00 0.3

1.2s 81.00nm 5.5mb

MDJ 34.43 339 eP 39 26.60 -0.6

1.8s 85.00nm 5.4mb

TIA 34.62 317 eP 39 28.60 -0.4

WB2 34.63 199 eP 39 27.10 -2.1

0.8s 20.10nm 5.1mb

e 39 36.00

SNY 34.63 330 eP 39 28.50 -0.5

QIZ 35.05 285 eP 39 33.40 0.5

CN2 35.33 334 Pc 39 34.00 -1.0

1.0s 28.00nm 5.1mb

eSP 40 02.00

BJI 37.48 321 eP 39 53.00 0.0

1.0s 17.00nm 4.9mb

Z 20s 0.60um 4.4MsZ

ASPA 38.26 198 iPd 39 58.90 -1.0

0.7s 10.00nm 4.8mb

Z 23s 0.90um 4.5MsZ

SKR 38.48 11 eP 40 02.50 1.1

0.6s 60.00nm 5.7mb

e 40 08.20

TIY 38.59 316 Pc 40 03.00 0.4

1.0s 110.00nm 5.7mb

Z 19s 1.72um 4.9MsZ

N 15s 0.40um

E 15s 0.43um

XAN 39.48 308 P 40 09.50 -0.5

1.0s 130.00nm 5.8mb

DZM 40.30 150 iPc 40 15.60 -1.2

DZM 40.30 150 iPc 40 24.10 7.3X

HHC 40.82 319 P 40 21.70 0.8

Z 33s 1.01um 4.5MsZ

PET 41.21 12 eP 40 23.50 -0.3

0.8s 27.00nm 5.1mb

Z 20s 0.40um 4.3MsZ

e 49 34.00

BTO 41.68 318 P 40 28.00 0.0

KMI 42.29 293 Pd 40 34.50 1.1

1.8s 80.00nm 5.2mb

Z 23s 1.00um 4.6MsZ

pP 40 48.00 51kmX

MBL 42.48 217 iPc 40 34.60 0.0

0.6s 12.00nm 4.9mb

CD2 42.59 302 iPc 40 35.70 0.2

1.0s 87.00nm 5.5mb

LZH 44.11 309 iPc 40 49.00 1.1

1.5s 460.00nm 6.1mb

S 47 17.50

NST 44.28 279 eP 40 50.50 1.1

STK 44.81 185 eP 40 50.60 -2.7

1.3s 5.90nm 4.2mb X

SNG 44.83 267 iPd 40 56.70 2.9

1.2s 1265.63nm 6.6mb X

e 07 13.00

BDT 45.31 281 eP 40 57.50 0.0

CHTO 45.35 284 eP 40 50.20 -7.7X

NANU 46.16 220 iPc 41 04.40 0.3

0.7s 58.00nm 5.6mb

CIT 46.72 333 eP 41 09.00 0.7

GTA 48.25 312 iPc 41 20.60 0.0

1.5s 180.00nm 5.8mb

Z 28s 0.64um 4.5MsZ

YAK 50.29 350 iPd 41 33.50 -2.2

TOO 50.30 180 eP 41 36.90 0.8

ZAK 50.84 326 iPc 41 39.00 -1.0

1.2s 36.00nm 5.3mb

e 42 55.50

MRWA 50.91 214 eP 41 39.00 -1.8

IRK 51.33 329 eP 41 43.00 -0.7

1.2s 49.00nm 5.4mb

Z 19s 0.27um 4.3MsZ

BAL 51.62 212 eP 41 45.00 -1.2

KLB 51.87 211 eP 41 46.50 -1.6

MUN 52.96 212 eP 41 55.00 -1.2

LSA 53.09 297 P 41 59.00 1.2

0.8s 47.00nm 5.6mb

NWAO 53.21 210 eP 41 56.50 -1.5

GUN 57.58 295 P 42 30.20 0.0

KKN 58.11 295 P 42 33.40 -0.3

WMQ 58.21 314 Pc 42 34.20 0.2

1.0s 120.00nm 6.0mb

Z 26s 0.65um 4.6MsZ

PcP 43 24.60

PP 44 44.70

ScP 47 18.50

PcS 47 23.00

S 50 32.00

ScS 52 13.50

SS 54 22.50

DMN 58.25 294 P 42 34.60 -0.2

ILT 59.52 15 eP 42 41.00 -1.5

HYB 64.78 283 iPc 43 18.50 0.0

0.8s 128.60nm 5.9mb

e 43 42.00

NDI 65.22 296 iPc 43 20.10 -1.0

KSH 66.32 307 P 43 30.50 2.3

1.6s 320.00nm 6.0mb

GBA 66.34 279 P 43 29.00 0.6

IMA 66.43 23 eP 43 28.00 -0.4

1.0s 25.00nm 5.1mb

PMR 66.86 28 eP 43 30.00 -1.0

FRU 67.51 311 iPc 43 36.00 0.4

1.8s 160.00nm 5.7mb

e 43 46.00

INK 74.55 22 eP 44 16.50 -0.8

0.9s 25.00nm 5.1mb

SVE 76.60 326 iPc 44 29.50 0.4

1.7s 260.00nm 5.9mb

Z 20s 0.60um 4.9MsZ

E 20s 0.50um

ARU 77.75 325 ePc 44 36.50 1.0

1.4s 140.00nm 5.7mb

Z 20s 0.50um 4.8MsZ

ASH 80.16 307 P 44 51.00 2.1

1.7s 390.00nm 6.1mb

STW 80.78 43 P 44 53.63 1.6

MCW 81.24 42 P 44 55.92 1.5

BMW 81.35 44 P 44 56.33 1.2

RNO 81.42 47 P 44 57.13 1.6

JCW 81.92 42 P 44 59.32 1.3

SSOR 82.16 46 P 45 00.31 0.9

FMW 82.32 44 P 45 01.16 0.8

ASR 82.52 44 P 45 02.21 0.9

VBEM 82.73 46 P 45 03.34 0.9

YKA 82.95 27 eP 45 02.70 -0.3

0.6s 7.40nm 4.8mb

EBG 83.07 44 P 45 05.15 1.1

CROR 83.16 46 P 45 05.30 0.7

CSY 83.27 194 eP 45 04.00 -0.4

1.0s 11.50nm 4.8mb

e 45 15.70

WTV 83.32 43 P 45 05.73 0.5

VIPM 83.52 46 P 45 07.45 0.9

SAW 83.68 43 P 45 07.67 0.6

WAH2 83.78 44 P 45 08.57 1.1

DPW 84.43 42 P 45 11.78 0.9

LNOR 84.83 44 P 45 13.81 0.9

MCMT 88.81 44 eP 45 33.40 0.8

e 45 56.40

MOS 89.30 327 eP 45 34.00 -0.3

e 45 51.00

PYA 90.03 315 iPd 45 38.00 0.0

OBN 90.08 327 iP

20d 22h

DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 3.6 (PRE).

SEK	0.75	106	iPc	48 23.00	-0.1
			S	48 33.00	
BLF	1.13	209	iPd	48 32.30	2.6
			S	48 47.00	
BFS	1.22	359	iPc	48 30.60	-0.7
			S	48 44.30	
PRY	1.32	27	eP	48 34.00	0.9
			S	48 50.10	
SWZ	1.61	305	eP	48 38.70	1.3
			S	48 58.90	
KSR	2.25	2	eP	48 47.50	0.9
			S	49 20.00	
SLR	2.71	29	iPd	48 52.90	-0.4
			S	49 24.70	
HVD	2.73	204	eP	48 54.60	1.1
			S	49 27.10	
BFT	3.77	51	eP	49 07.50	-0.8
			S	49 49.50	
GRM	5.18	182	eP	49 27.50	-0.7
			S	50 24.00	
POF	6.15	257	e(P)	49 40.00	-1.8
SUR	6.70	229	eP	49 49.00	-0.8
			S	51 02.00	
CER	8.31	229	eP	50 10.50	-1.7
			S	51 42.00	
WIN	10.37	300	eP	50 50.00	9.2X
S.D. = 1.4 on 13 of 14 obs.					

SEP 20, 1993 23h 04m 12.61± 0.21s
 5.225 S ± 4.1km 102.829 E ± 4.3km
 DEPTH = 39.3km (31 depth phases)
 5.5mb (44 obs.) 5.3Msz (25 obs.)
 SOUTHERN SUMATERA, INDONESIA (274)
 Mw 5.6 (HRV).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 45S, 88C
 Centroid Location:
 Origin Time 23:04:16.3 0.3
 Lat 5.80S 0.03 Lon 102.90E 0.04
 Dep 36.7 2.3 Half-duration 1.4
 Moment Tensor; Scale 10**17 Nm
 Mrr= 1.37 0.09 Mtt=-2.11 0.08
 Mff= 0.74 0.14 Mrt= 1.78 0.18
 Mrf=-0.78 0.12 Mtf= 0.97 0.07
 Principal Axes:
 T Val= 2.22 Plg=65 Azm= 41
 N 1.00 8 292
 P -3.22 23 198
 Best Double Couple: Mo=2.7*10**17
 NP1:Strike=272 Dip=23 Slip= 69
 NP2: 115 68 99

LEM	5.02	109	ePd	05 30.00	2.3
			eS	06 07.00	
KKM	17.43	50	ePc	08 19.00	4.3X
PCT	19.83	356	iPc	08 42.40	-0.7
	1.1s	5.30nm			3.8mb X
KHT	20.32	348	eP	08 46.00	-2.2
NST	20.93	353	eP	08 53.70	-0.8
NANU	21.16	146	eP	08 57.00	0.2
			eS	12 40.00	
PPR	21.75	47	ePd	09 05.00	2.2
LOE	22.51	357	eP	09 10.50	0.1
BDT	22.64	350	iPc	09 09.50	-2.1
	1.0s	110.40nm			5.3mb
MBL	22.87	135	eP	09 14.00	0.2
	0.5s	17.00nm			4.8mb
CHTO	24.19	351	iPc	09 26.70	0.0
	1.7s	289.63nm			5.5mb
			eS	13 47.70	
CTB	24.64	60	iPc	09 35.00	3.9X
QIZ	25.07	16	Pc	09 36.00	0.9
	N 16s	3.84um			
	E 16s	2.32um			
			sP	09 49.00	
			eS	13 56.00	
DAV	25.78	62	eP	09 43.50	1.6
PGP	25.88	44	eP	09 45.00	2.2
TGY	26.30	43	eP	09 48.00	1.4
KNA	27.53	114	eP	09 57.20	-0.6
BAG	27.76	39	eP	10 00.40	0.3
MTN	28.93	107	eP	10 09.00	-1.5

GZH	0.4s	67.00nm		5.7mb	
	29.96	20 P	10 19.00	-0.6	
	Z 22s	5.17um		5.1Msz	
	N 17s	5.15um			
	E 18s	4.59um			
		S	15 18.00		
KMI	30.17	360 Pc	10 22.00	0.3	
	1.4s	90.00nm		5.4mb	
	Z 18s	16.50um		5.7Msz	
	N 15s	19.30um			
	E 13s	2.50um			
		pP	10 31.00	31km	
		sP	10 34.50		
		S	15 21.00		
		sS	15 38.00		
GBA	31.39	307 P	10 33.00	0.7	
GVA	31.71	7 P	10 35.00	-0.2	
	Z 20s	6.38um		5.3Msz	
	N 18s	6.54um			
	E 18s	3.54um			
		S	15 40.00		
HYB	32.88	314 eP	10 45.30	-0.1	
QZH	33.68	26 eP	10 50.00	-2.2	
	Z 18s	5.44um		5.3Msz	
	N 18s	3.97um			
		S	16 10.00		
WB2	33.97	118 eP	10 52.80	-2.1	
	0.7s	34.70nm		5.4mb	
		eS	16 17.10		
CD2	35.94	1 iPc	11 10.70	-0.8	
	Z 18s	15.90um		5.8Msz	
		sP	11 27.00		
		PP	12 34.00		
		S	16 46.00		
LSA	36.49	343 iPc	11 17.00	0.4	
	1.4s	140.00nm		5.7mb	
		S	16 56.00		
GUN	36.78	334 P	11 19.80	0.8	
DMN	36.86	333 P	11 20.20	0.7	
KKK	36.94	334 P	11 20.20	0.1	
WHN	37.24	17 eP	11 23.00	0.7	
	Z 20s	7.46um		5.5Msz	
	N 18s	6.94um			
	E 14s	1.94um			
		pP	11 36.00	48km	
		eS	17 10.00		
QIS	38.82	117 iPd	11 34.50	-1.4	
XAN	39.47	8 P	11 40.50	-0.6	
	0.7s	26.00nm		5.1mb	
	N 15s	5.69um			
	E 12s	1.55um			
		pP	11 50.00	32km	
		S	17 38.00		
		sS	18 00.00		
NJ2	40.09	21 Pc	11 47.00	0.9	
	Z 20s	2.90um		5.1Msz	
	N 14s	2.17um			
	E 15s	2.42um			
		S	17 50.00		
SSE	40.15	25 Pc	11 47.50	0.9	
	1.4s	31.00nm		4.9mb	
	Z 20s	2.70um		5.1Msz	
	N 18s	2.80um			
	E 18s	3.00um			
		sP	12 00.60		
		S	17 48.00		
LZH	41.10	1 iPc	11 55.00	0.4	
	2.0s	190.00nm		5.5mb	
	Z 17s	7.01um		5.6MszX	
	N 15s	5.10um			
		pP	12 04.00	30km	
		S	18 00.00		
		ScS	21 55.50		
NDI	41.77	325 eP	12 00.00	0.0	
		eS	18 16.00		
TIA	43.34	17 eP	12 11.60	-1.1	
TIY	43.64	11 Pc	12 15.00	-0.3	
	Z 18s	16.20um		6.0Msz	
	N 16s	7.21um			
		S	18 41.00		
PMG	44.14	98 eP	12 19.00	-0.5	
ADE	44.41	137 iPc	12 21.80	0.3	
GTA	44.50	357 iPc	12 22.00	-0.2	
	1.5s	150.00nm		5.6mb	
	Z 28s	9.70um		5.6MszX	
	N 17s	6.41um			
		pP	12 32.50	36km	

			sP	12 37.50	
			PP	14 04.00	
			S	18 54.00	
			ScS	22 14.00	
CTA	44.71	113 iPc	12 23.90	-0.2	
	0.8s	227.61nm		6.1mb	
		ipP	12 39.00	58kmX	
		eS	18 54.80		
STK	44.91	131 eP	12 25.10	-0.5	
	0.6s	25.30nm		5.3mb	
		i	12 36.60	41km	
KAGJ	45.04	35 P	12 26.20	-0.3	
KUMJ	46.02	33 P	12 34.50	0.2	
BTO	46.07	8 P	12 34.50	-0.2	
	N 15s	1.15um			
	E 18s	1.74um			
		pP	12 47.00	46km	
		ePP	14 18.00		
HHC	46.54	9 Pc	12 39.00	0.6	
	Z 16s	9.49um		5.8MszX	
	N 15s	6.12um			
	E 14s	1.02um			
		sP	12 50.00		
		sP	12 55.00		
		PP	14 28.00		
		S	19 28.00		
BJI	46.69	14 eP	12 39.00	-0.4	
	1.5s	57.00nm		5.3mb	
	Z 18s	7.06um		5.7Msz	
	N 18s	5.50um			
		ePP	14 28.00		
		eS	19 24.00		
DL2	47.23	20 P	12 43.00	-0.7	
	Z 23s	1.69um		4.9MszX	
	N 18s	2.65um			
	E 15s	2.13um			
		S	19 36.00		
SHNJ	47.39	32 P	12 45.40	0.4	
TKSJ	48.90	35 P	12 56.40	-0.4	
TKSJ	48.90	35 eP	12 56.90	0.1	
YONJ	49.46	33 P	13 01.10	0.0	
WKYJ	49.96	36 P	13 04.50	-0.5	
WKYJ	49.96	36 P	13 04.70	-0.3	
TOO	50.44	136 eP	13 22.80	14.1X	
SNY	50.51	20 Pc	13 05.00	-4.0X	
	Z 22s	3.07um		5.3Msz	
	E 16s	1.98um			
		pP	13 21.00	62kmX	
		eS	20 15.00		
WMQ	50.69	346 iPc	13 11.00	0.5	
	1.6s	520.00nm		6.3mb	
	Z 18s	2.04um		5.2Msz	
	E 14s	0.95um			
		pP	13 23.00	43km	
		PcP	14 26.50		
		PP	15 07.50		
		PcS	18 21.00		
		S	20 24.50		
		ScS	22 59.50		
KSH	50.90	333 P	13 12.70	0.5	
	1.7s	820.00nm		6.4mb	
	Z 20s	3.10um		5.3Msz	
	N 15s	2.00um			
		pP	13 25.00	44km	
		sP	13 31.00		
		PP	15 12.00		
		S	20 28.00		
		SS	24 04.		

20d 23h

Z 22s	2.00um	5.1MsZ	MOS	80.70 329 iPc	16 23.00	0.0	e	17 40.00	39km
N 22s	1.50um			e	16 34.00	36km	HFS	94.06 330 eP	17 27.70 -0.1
E 22s	2.00um		OBN	80.99 328 ePc+	16 23.00	-1.5	0.4s	1.90nm	4.8mb
	i	13 48.00 38km		1.6s 190.00nm	5.8mb		Z 17s	0.62um	5.1MsZ
VLA	54.85 26 eP	13 40.50 -0.8		i	16 37.00	48km		LR	02 11.00
	3.0s 542.00nm	6.1mb		e	19 27.00		MOX	94.77 320 eP	17 32.60 1.2
	i	13 53.00 44km		eS	26 40.00			e	21 21.80
MDJ	55.13 23 eP	13 44.50 1.2	KIS	82.98 319 iP+	16 35.00	0.0	GRF	94.99 319 ePc	17 33.40 1.0
ZAK	55.38 0 iPc	13 44.80 -0.2		Z 17s 0.30um	4.7MsZ			2.0s 94.00nm	5.9mb
	Z 13s 2.67um	5.5MsZ		e	16 46.00	35km		Z 22s 0.50um	4.9MsZ
N 14s	2.37um			e	19 50.00			e	17 46.30 43km
	eS	21 25.00	ALN	83.48 312 eP	16 38.32	0.6	NB2	95.32 331 P	17 33.20 -0.5
IRK	57.29 1 eP	13 58.00 -0.7	CLI	83.91 318 eP	16 41.50 1.6			1.4s 13.00nm	5.2mb
	Z 18s 2.64um	5.4MsZ	VRI	84.12 317 iPc	16 42.00 1.0		MCMT	129.73 33 ePKP	23 20.90 1.0
N 18s	1.83um		MLR	84.57 317 iPc	16 44.20 0.8		ULM	132.45 16 ePKP	23 29.00 4.5X
E 14s	0.50um		SPA	84.81 180 iPc	16 43.00 -1.2		SOB1	141.10 248 (PKP)	23 32.00 -9.8X
	e	14 07.00 29km		1.2s 5.63nm	4.6mb		ACO	142.76 30 e(PKP)	23 39.00 -5.0X
	eS	21 52.00		Z 20s 2.52um	5.6MsZ		PPD	142.92 222 ePKP	23 39.60 -5.1X
CIT	57.74 8 eP	14 02.00 0.1		i	46 01.90		GMTN	144.40 356 ePKP	23 44.60 -2.0
ASH	59.58 320 P	14 14.00 -0.9	OUR	84.90 311 eP	16 43.12 -1.8		BAO	144.44 234 ePKP	23 47.00 -0.6
	1.7s 270.00nm	6.1mb	CMP	85.14 316 ePd	16 48.00 1.9		TUL	144.98 27 iPKP	23 46.80 -1.0
CRZF	60.06 218 eP	14 33.00 15.0X	SRS	85.34 312 eP	16 46.96 -0.2		UYO	147.04 27 iPKPc	23 51.90 0.7
	eS	22 39.00	THE	85.72 311 eP	16 49.25 0.3		CBN	147.17 0 ePKP	23 52.00 0.7
	eSS	26 15.00	PUL	85.79 331 eP	16 50.00 1.1		SIV	153.58 217 PKP	24 08.40 6.8X
CSY	61.19 176 eP	14 23.40 -2.0		2.5s 140.00nm	5.7mb		CNCB	156.29 202 ePKP	24 07.00 1.1
	1.1s 3.60nm	4.4mb X		e	17 00.00	31km	LPB	156.59 202 ePKP	24 07.00 0.9
YSS	62.81 30 iPc	14 35.00 -1.5		e	27 18.00			Z 20s 1.42um	5.8MsZ
	0.4s 10.00nm	5.3mb	KNT	85.86 312 eP	16 45.80 -4.0X		LPB	156.83 203 PKPc	24 08.20 1.5
	e	14 47.00 41km	LIT	85.98 311 eP	16 49.97 -0.4			S.D. = 1.1 on 139 of 153 obs.	
DZM	63.62 112 iPc	14 42.10 -0.4	GRG	86.19 312 eP	16 51.52 0.1				
TAB	67.77 315 iP+	15 08.50 -0.4	SKO	87.08 312 iP	16 55.00 -0.7		? SEP 20, 1993 23h 05m 11.87± 5.86s		
MAW	67.91 195 eP	15 07.50 -1.6	UZH	87.65 319 ePd	16 58.00 -0.2		31.625 S ± 35.0km	67.746 W ± 54.6km	
	0.6s 17.44nm	5.3mb		2.5s 400.00nm	6.2mb		DEPTH = 33.0km (normal)		
ERE	69.97 316 iP	15 20.00 -2.4		e	17 09.00	35km	SAN JUAN PROVINCE, ARGENTINA	(137)	
	iS	24 30.00	KAF	88.32 333 iP	17 01.70 0.5				
YAK	70.17 13 eP	15 21.70 -1.3		0.7s 11.60nm	5.3mb		CFA	0.42 272 iPc	05 20.90 -0.5
	1.3s 166.00nm	5.9mb	NUR	88.72 331 iP	17 03.60 0.5			S	05 27.00
	Z 16s 8.10um	6.1MsZ		0.6s 7.00nm	5.2mb		RTLL	0.68 295 eP	05 25.00 -0.1
N 16s	2.20um		PSZ	89.11 318 iPc	17 06.10 0.7		RTCB	0.91 278 ePd	05 29.00 0.6
E 16s	1.70um		OJC	89.52 320 eP	17 07.80 0.6			S	05 40.00
GRO	70.59 319 iPc	15 27.00 1.0		1.6s 59.00nm	5.6mb		RFA	3.19 191 e(P)	06 01.00 0.0
	1.0s 240.00nm	6.2mb	SDF	89.61 338 eP	17 08.00 0.8			S	06 48.00
	i	15 40.00 45km	UZD	89.81 317 eP	17 09.50 0.9			S.D. = 0.8 on 4 of 4 obs.	
	eS	24 38.00	SRO	90.15 318 iP	17 13.20 3.1X				
SVE	70.71 337 iPc	15 26.70 0.2	ZST	91.01 318 eP	17 13.80 -0.2		& SEP 20, 1993 23h 10m 27.08s		
	1.3s 340.00nm	6.2mb		e	20 52.30		34.083 N	116.379 W	
	i	15 39.00 42km	KSP	91.82 321 eP	17 18.90 1.1		DEPTH = 2.8km		
	e	15 50.00		e	17 30.00 35km		SOUTHERN CALIFORNIA	(43)	
	eS	24 36.00		e	20 46.60		<PAS-P>. ML 2.4 (PAS).		
	ePS	25 00.00	VBY	91.99 315 eP	17 20.30 1.7		PEC	0.68 254 iPc	10 39.71 -0.9
ARU	71.24 336 iPc	15 30.00 0.4		iP	17 32.90 41km			eS	10 48.54
	1.8s 300.00nm	6.0mb	UPP	92.07 330 iP	17 19.80 1.2		PLM	0.83 209 ePd	10 42.61 -1.1
	Z 18s 1.00um	5.1MsZ	LJU	92.54 316 eP	17 22.10 0.9			eS	10 53.69
E 16s	1.00um			epP	17 35.00 43km		SSK	1.10 277 eP	10 47.49 -1.0
	i	15 42.50 43km		e(PP)	21 06.00			eS	11 02.28
	e	15 48.00		e(S)	28 15.00		GSC	1.27 344 eP	10 48.56 -2.7
	e	18 17.00		ePS	29 40.00		GLA	1.65 128 eP	10 56.87 -0.3
	eS	25 06.00	PRU	92.86 320 P	17 23.10 0.6			5 obs. associated	
BFT	72.25 245 eP	15 35.00 -1.5		Z 18s 0.50um	5.0MsZ				
PYA	72.60 319 iPc	15 37.00 -1.0		epP	17 35.50 40km				
	1.3s 150.00nm	5.8mb		ePP	21 04.90		SEP 20, 1993 23h 55m 58.46± 0.54s		
	eS	24 59.00	VOY	92.98 316 eP	17 24.00 0.7		37.555 N ± 8.2km	16.304 E ± 3.7km	
	i	25 28.00		epP	17 34.80 34km		DEPTH = 10.0km (geophysicist)		
SLR	73.84 245 iPc	15 44.20 -1.5	BRG	93.31 321 iP	17 25.60 1.0		3.8mb (1 obs.)		
	0.8s 20.00nm	5.1mb		1.6s 30.00nm	5.5mb		IONIAN SEA	(399)	
LSZ	73.84 256 iPd	15 45.00 -0.9		Z 20s 1.70um	5.5MsZ				
	i	16 16.00 123kmX		N 20s 0.60um			ML 3.5 (ROM).		
SEK	74.52 242 eP	15 49.00 -0.7		E 20s 1.30um			GMB	0.70 330 P	56 14.67 2.2
	0.7s 16.00nm	5.1mb		i	17 38.10 41km		ATN	0.90 313 P	56 16.75 1.1
PET	74.58 31 eP	15 48.00 -1.2	GEC2	93.32 319 P	17 25.40 0.6		GIO	0.95 271 P	56 16.96 0.4
	1.1s 47.00nm	5.4mb		1.4s 13.02nm	5.2mb		MEU	1.18 248 P	56 20.62 0.0
	Z 20s 0.90um	5.1MsZ		e	17 32.20 21kmX		PZI	1.22 245 P	56 19.75 -1.5
	e	25 20.00		e	17 40.30		MNO	1.33 287 P	56 22.88 -0.3
SOC	74.62 318 eP	15 48.00 -1.7		e	17 26.40 1.2		GIB	1.86 284 P	56 30.09 -0.6
	eS	25 21.00	KHC	93.42 319 eP	17 26.40 1.2		FAI	2.11 263 P	56 34.72 0.5
BLF	75.81 241 e(P)	15 46.00 -11.1X		1.2s 7.50nm	5.0mb		VLS	3.45 78 eP	56 54.20 0.9
TIK	78.59 8 iPc	16 11.00 -0.4		Z 18s 1.00um	5.3MsZ		KEK	3.48 51 eP	56 53.90 0.1
	Z 18s 7.00um	6.0MsZ		N 18s 0.10um				eS	57 33.50
	e	19 10.00		E 18s 0.70um					
	eS	26 13.00		pP	17 41.50 52kmX		IGT	3.73 57 eP	56 57.00 -0.3
	ePS	27 08.00		e	18 38.00		AGG	4.96 71 eP	57 16.70 1.9
SIM	78.87 318 eP	16 13.00 -0.5		e	19 24.00		FNA	5.09 49 eP	57 15.92 -0.7
	eS	26 06.00		e	20 43.50		VLI	5.37 97 eP	57 22.00 1.5
ELL	79.57 309 eP	16 17.00 -0.6		e	21 20.00		LIT	5.46 60 iP	57 22.16 0.3
SUR	80.49 238 eP	16 25.00 2.3	WET	93.88 319 iPc	17 28.10 0.8		HVAR	5.62 1 iPn	57 22.00 -2.0
	1.0s 100.00nm	5.7mb	CLL	93.93 321 eP	17 28.00 0.6		GRG	5.82 52 eP	57 26.72 -0.3
				1.5s 14.00nm	5.2mb		PAIG	6.23 65 eP	57 32.32 -0.4

20d 23h

KNT 6.25 53 iP 57 31.93 -1.1
 SOH 6.37 57 eP 57 34.00 -0.8
 OUR 6.60 63 eP 57 37.04 -0.8
 SRS 6.68 56 eP 57 38.72 -0.3
 HFS 22.66 357 eP 00 57.00 -3.8X
 0.4s 1.30nm 3.8mb
 S.D. = 1.1 on 22 of 23 obs.

* SEP 21, 1993 01h 29m 49.24± 1.37s
 14.220 N ±17.6km 93.305 W ± 7.4km
 DEPTH = 55.4 ± 11.4 km
 3.9mb (2 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.22 56 iP 30 10.00 -0.3
 IS 30 24.50
 SCX 2.58 14 iP 30 30.25 0.9
 IS 31 00.50
 IXG 2.76 91 eP 30 32.19 0.0
 ES 31 10.33
 YUP 3.40 90 eP 30 41.21 0.0
 OXX 4.35 311 eP 30 54.00 -0.6
 IIT 6.77 316 (P) 31 32.00 3.4X
 PPM 7.02 314 eP 31 33.00 0.7
 IIA 7.09 314 eP 31 32.50 -0.4
 MRX 9.31 307 eP 32 03.50 0.0
 LTX 17.84 329 eP 33 59.09 3.8X
 UYO 19.89 357 iPc 34 24.70 5.9X
 MIAR 20.24 359 ePc 34 20.67 -1.8
 0.8s 5.33nm 3.9mb
 OXF 20.51 9 eP 34 23.94 -1.3
 TUL 21.71 355 iP 34 46.40 9.0X
 HBF 22.04 30 eP 34 41.61 1.0
 ACO 22.99 348 iPc 34 50.50 0.5
 ALQ 23.80 332 eP 34 59.71 1.6
 1.0s 3.59nm 3.8mb
 TUC 24.06 321 eP 35 05.17 4.6X
 PEC 29.16 316 eP 35 47.25 -0.3
 GBA 150.88 19 PKP 49 47.00 14.9X
 S.D. = 1.0 on 14 of 20 obs.

SEP 21, 1993 02h 54m 58.59± 1.03s
 13.952 N ±10.3km 93.035 W ± 6.1km
 DEPTH = 37.4 ± 7.9 km
 4.4mb (11 obs.)
 OFF COAST OF CHIAPAS, MEXICO (68)

TPX 1.21 38 iP 55 19.50 0.2
 IS 55 34.00
 PCG 2.40 79 eP 55 36.67 0.1
 GCG 2.51 75 eP 55 34.08 -3.9X
 ES 56 24.06
 IXG 2.51 85 eP 55 38.68 0.6
 SCX 2.79 8 eP 55 42.50 0.6
 IS 56 15.50
 YUP 3.15 85 eP 55 47.80 0.7
 OXX 4.72 312 eP 56 08.50 -1.1
 (S) 56 55.50
 LVVM 6.62 331 eP 56 35.00 -1.0
 IIT 7.14 316 eP 56 44.00 0.4
 PPM 7.39 314 eP 56 47.50 0.2
 IIA 7.47 315 eP 56 48.50 0.6
 III 7.59 306 eP 56 48.50 -1.3
 UNM 7.96 313 (P) 57 04.50 9.5X
 CRX 8.36 311 (P) 57 11.50 10.8X
 MRX 9.68 307 (P) 57 12.50 -6.0X
 LTX 18.20 329 eP 59 09.96 -0.3
 UYO 20.17 357 iPd 59 29.70 -3.0X
 MIAR 20.51 359 eP 59 34.22 -2.0
 1.1s 32.08nm 4.6mb
 ES 02 57.74
 WMOK 21.34 347 eP 59 43.54 -1.2
 0.6s 8.81nm 4.3mb
 ES 03 35.80
 TUL 22.01 354 iP 59 52.20 0.9
 PRM 22.26 24 eP 59 52.90 -0.9
 MYNC 22.51 19 eP 59 57.08 0.7
 0.7s 10.25nm 4.4mb
 JSC 22.88 26 eP 59 58.53 -1.4
 ACO 23.30 348 iPd 00 03.60 -0.5
 ELC 23.48 8 eP 00 04.71 -1.1
 ALQ 24.16 332 ePd 00 14.04 1.4
 0.8s 6.63nm 4.2mb
 TUC 24.43 321 ePc 00 18.29 3.1X
 0.9s 12.71nm 4.5mb
 GOL 27.85 339 eP 00 47.65 0.6
 0.9s 11.42nm 4.5mb

PV10 28.16 333 ePd 00 50.28 0.5
 PV09 28.30 333 eP 00 53.56 2.4X
 ARUT 29.87 326 eP 01 06.54 1.4
 DAU 30.81 332 (P) 01 14.50 0.9
 RSSD 31.50 345 eP 01 19.29 -0.2
 0.8s 4.96nm 4.4mb
 BW06 32.07 337 eP 01 25.55 1.1
 0.8s 2.79nm 4.2mb
 BONR 32.78 321 eP 01 32.49 1.7
 MCMT 35.08 335 eP 01 51.70 1.1
 CNCB 39.33 140 eP 02 25.00 -1.8
 LON 40.61 329 (P) 02 39.75 3.2X
 YKA 50.85 347 eP 03 56.50 -0.9
 0.8s 9.30nm 4.8mb
 SOB1 56.62 111 eP 04 41.50 0.8
 INK 60.20 344 eP 05 04.00 -0.9
 1.0s 3.00nm 4.4mb
 EKA 78.59 36 Pd 07 05.60 7.7X
 1.7s 14.10nm 4.7mb
 GBA 151.04 19 PKP 14 54.00 10.0X
 S.D. = 1.1 on 33 of 43 obs.

? SEP 21, 1993 02h 55m 30.32±10.29s
 19.467 N ±57.9km 65.369 W ±60.0km
 DEPTH = 10.0km (geophysicist)
 PUERTO RICO REGION (90)

LPR 1.25 202 P 55 53.60 0.1
 CPD 1.51 200 P 55 57.50 0.0
 S 56 19.00
 SJG 1.54 209 P 55 58.00 0.1
 APR 1.64 232 (P) 55 59.70 0.5
 CLLP 1.79 220 P 56 01.30 -0.2
 PORP 1.85 221 P 56 02.00 -0.3
 MGP 2.18 229 P 56 07.00 -0.2
 S.D. = 0.3 on 7 of 7 obs.

SEP 21, 1993 03h 16m 54.91± 0.15s
 42.315 N ± 1.2km 122.050 W ± 2.6km
 DEPTH = 5.0km (geophysicist)
 4.3mb (3 obs.)
 OREGON (32)
 MD 4.4 (GS), 3.9 (SEA). ML 4.5
 (BRK). Felt in the Klamath Falls
 area.

LHEM 0.70 190 P 17 08.27 -0.6
 YBH 0.76 220 ePc 17 08.93 -1.3
 ES 17 19.46
 LASM 0.80 154 P 17 09.92 -1.1
 LBPM 0.97 173 eP 17 13.29 -0.8
 LGBM 0.98 186 P 17 13.34 -0.7
 DBO 1.19 313 P 17 16.56 -1.1
 HSO 1.43 328 Pc 17 20.64 -1.0
 S 17 41.10
 KOMM 1.47 226 P 17 21.20 -1.0
 LGPM 1.52 203 eP 17 21.09 -1.8
 HBO 1.54 353 Pc 17 22.88 -0.4
 NCOR 1.54 25 Pc 17 22.95 -0.3
 LHCM 1.56 165 P 17 23.10 -0.4
 WDC 1.77 192 eP 17 25.98 -0.4
 TCO 1.82 10 Pc 17 26.93 -0.4
 KHBM 1.87 208 P 17 28.11 0.0
 LDBM 1.89 174 P 17 28.01 -0.3
 LSLM 1.92 168 P 17 28.63 0.0
 LHKM 1.97 163 P 17 29.37 -0.1
 MIN 2.00 170 ePd 17 29.46 -0.4
 RNO 2.02 323 P 17 30.85 0.8
 FBO 2.03 349 P 17 29.73 -0.5
 FHC 2.10 224 iPd 17 31.32 0.2
 LCMM 2.20 169 P 17 33.72 0.8
 EKR 2.25 225 iPd 17 33.10 -0.3
 GMO 2.27 20 P 17 32.89 -0.9
 FOX 2.31 220 iP 17 34.44 0.2
 BPO 2.35 6 Pc 17 34.54 -0.5
 KKPM 2.37 205 P 17 36.74 1.5
 VIPM 2.43 25 Pc 17 35.16 -0.9
 COR 2.45 339 eP 17 36.85 0.7
 MPOR 2.45 334 P 17 37.02 0.8
 KMPM 2.45 220 eP 17 36.00 -0.3
 SSOR 2.56 353 P 17 37.22 -0.6
 KSMM 2.66 218 P 17 38.97 -0.4
 OBHM 2.70 170 P 17 40.10 0.3
 VBEM 2.76 7 P 17 40.24 -0.6
 CROR 2.78 16 ePc 17 40.26 -0.7
 ORV 2.79 171 ePd 17 40.84 -0.2
 GT2 2.84 357 P 17 41.86 0.0

TDH 2.98 4 P 17 43.39 -0.5
 AOHM 3.00 168 P 17 44.52 0.5
 VLL 3.16 5 P 17 46.49 0.2
 PGO 3.16 355 P 17 49.80 3.5X
 ABJM 3.21 168 P 17 47.41 0.4
 TKO 3.22 342 P 17 48.08 0.9
 VGB 3.33 16 eP 17 48.39 -0.3
 AVRM 3.34 169 P 17 49.18 0.3
 GARM 3.36 183 P 17 50.18 1.0
 KMOR 3.48 343 P 17 52.07 1.2
 APRM 3.49 169 P 17 51.52 0.5
 JBO 3.53 26 P 17 50.87 -0.6
 GULW 3.62 5 P 17 55.30 2.4
 ASMM 3.64 163 P 17 53.74 0.5
 NBPM 3.65 182 P 17 54.11 1.0
 MTMW 3.71 358 P 17 53.87 -0.3
 GL2 3.75 13 P 17 54.62 -0.1
 CDFW 3.80 0 P 17 55.53 0.1
 ASR 3.85 5 P 17 56.33 0.1
 RVW 3.87 353 P 17 57.89 1.6
 SHW 3.88 358 eP 17 56.17 -0.4
 FL2 3.89 357 P 17 57.14 0.4
 NLO 3.90 346 P 17 58.64 1.7
 ERK 4.00 357 P 17 59.20 1.0
 TDL 4.04 358 P 17 58.84 0.0
 CZM 4.13 356 P 18 00.67 0.6
 HMR 4.16 177 eP 18 00.71 0.3
 BMW 4.24 349 eP 18 02.20 0.5
 GLK 4.26 4 P 18 03.47 1.5
 LMW 4.36 358 P 18 05.66 2.3
 WPW 4.40 5 P 18 03.98 0.0
 BRVW 4.42 19 P 18 03.97 -0.3
 LON 4.44 2 eP 18 04.84 0.4
 RSW 4.44 23 P 18 04.49 0.0
 MXC 4.44 16 P 18 04.37 -0.1
 CMB 4.46 163 eP 18 05.14 0.3
 LNOR 4.47 36 P 18 04.87 0.0
 NAC 4.50 11 P 18 05.19 -0.2
 WIW 4.57 25 P 18 06.09 -0.1
 MDW 4.60 20 P 18 06.97 0.3
 FMW 4.62 3 P 18 07.91 0.7
 RVC 4.63 1 P 18 07.60 0.4
 MJ2 4.66 23 P 18 07.13 -0.4
 GBL 4.67 23 P 18 07.89 0.3
 EBG 4.71 12 P 18 08.54 0.1
 BVW 4.75 18 P 18 09.64 0.7
 LOCW 4.78 22 P 18 09.59 0.3
 ET3 4.81 27 P 18 09.28 -0.4
 CRF 4.89 22 P 18 10.52 -0.3
 TBM 4.96 12 P 18 11.93 0.0
 ARN 4.98 175 eP 18 11.47 -0.6
 COE 5.06 177 eP 18 11.85 -1.4
 RMW 5.15 2 eP 18 11.47 -3.1X
 BONR 5.22 145 eP 18 16.45 0.7
 MEMM 5.22 152 eP 18 17.20 1.7
 MMPM 5.24 153 eP 18 17.16 1.0
 GMW 5.26 355 (P) 18 16.00 -0.1
 EPH 5.33 18 P 18 16.52 -0.6
 MRCM 5.38 148 eP 18 17.99 0.0
 ETW 5.43 12 P 18 18.09 -0.5
 SAO 5.56 175 eP 18 18.75 -1.6
 OD2 5.60 24 P 18 19.11 -1.8
 TNP 5.62 137 eP 18 21.64 0.3
 MTUM 5.63 150 (P) 18 22.49 0.9
 SAW 5.70 18 P 18 21.12 -1.2
 DPW 6.19 25 eP 18 27.05 -2.1
 NEW 6.89 29 eP 18 36.36 -2.7
 HVU 6.93 91 (P) 18 40.49 0.8
 MCMT 7.14 66 eP 18 40.20 -2.6
 PTI 7.17 82 (P) 18 43.43 0.3
 HHAI 7.18 79 (P) 18 45.29 2.0
 DUG 7.27 104 (P) 18 45.08 0.5
 BCH 7.28 167 (P) 18 44.95 0.3
 ARUT 8.00 122 (P) 18 54.67 -0.1
 GSC 8.11 148 (P) 18 58.14 1.9
 DAU 8.34 100 eP 18 59.76 0.1
 BW06 9.24 83 (P) 19 10.92 -1.1
 PV09 10.56 107 eP 19 29.52 -0.8
 PV10 10.68 107 eP 19 32.49 0.6
 RSSD 13.26 76 (P) 20 07.24 0.6
 TUC 13.41 134 (P) 20 13.86 5.4X
 ALQ 14.23 116 eP 20 24.30 5.0X
 0.7s 5.83nm 4.4mb
 SIT 17.02 335 eP 20 50.39 -4.6X
 WMOK 19.68 105 ePc 21 24.56 -3.2X
 0.9s 19.37nm 4.4mb
 LTX 19.69 125 eP 21 27.73 -0.3

YKA 20.69 10 eP 21 38.50 0.4
0.8s 6.80nm 4.0mb
S.D. = 0.9 on 119 of 125 obs.

SEP 21, 1993 03h 28m 55.42± 0.10s
42.314 N ± 1.3km 122.012 W ± 2.0km
DEPTH = 10.7km (geophysicist)
5.7mb (147 obs.) 5.8MsZ (37 obs.)

OREGON (32)

Mw 6.0 (GS), 6.0 (HRV). ML 5.9
(BRK). MD 5.9 (SEA).
Mo=7.8*10**17 Nm (BRK),
1.7*10**18 Nm (PPT). The Klamath
Falls earthquakes caused two
deaths and approximately 7.5
million U.S. dollars in damage.
One person was killed when the
car he was driving was crushed
by a boulder in an
earthquake-induced rockfall and
another person died of a heart
attack. More than 1,000 homes
and commercial buildings were
damaged. Maximum intensity VII
in downtown Klamath Falls and at
the Oregon Institute of
Technology about three
kilometers north of downtown.
Three highways leading to
Klamath Falls were temporarily
closed because of rockfalls or
concern about possible damage to
bridges. Rockfalls and
rockslides occurred in roadcuts
and on steep slopes throughout
the epicentral region. Ground
cracks in fill material were
observed at several locations in
the area. Felt in southern
Oregon as far north as Eugene
and in northern California as
far south as Redding. Two events
about 2 seconds apart. Depth
from broadband displacement
seismograms, based on first
event.

FAULT PLANE SOLUTION: P-Waves
NP1:Strike=335 Dip=67 Slip= -90
NP2: 155 23 -90
Principal Axes:

T Plg=22 Azm= 65
P 68 245

Comment: The focal mechanism is
poorly controlled and
corresponds to normal
faulting. The preferred fault
plane is NP1.

RADIATED ENERGY

No. of sta: 17 Focal mech. F
Energy 5.1±1.0*10**12 Nm

MOMENT TENSOR SOLUTION

Dep 6 No. of sta: 24

Moment Tensor; Scale 10**18 Nm

Mrr=-0.72 Mtt= 0.12

Mff= 0.60 Mrt= 0.45

Mrf=-0.50 Mtf=-0.33

Principal axes:

T Val= 1.01 Plg=21 Azm= 60

N -0.02 8 327

P -0.99 68 217

Best Double Couple:Mo=1.0*10**18

NP1:Strike=164 Dip=25 Slip= -71

NP2: 323 66 -99

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 44S, **C

Centroid Location:

Origin Time 03:29: 0.6 0.1

Lat 42.12N 0.02 Lon 121.92W 0.02

Dep 15.0 BDY Half-duration 2.3

Moment Tensor; Scale 10**17 Nm

Mrr=-9.96 0.11 Mtt= 1.89 0.14

Mff= 8.07 0.15 Mrt= 3.33 0.40

Mrf=-4.49 0.43 Mtf=-2.04 0.12

Principal Axes:

T Val= 10.09 Plg=15 Azm= 70

N 1.52 7 338

P -11.61 73 224
Best Double Couple:Mo=1.1*10**18
NP1:Strike=170 Dip=31 Slip= -76
NP2: 334 60 -98

LGMM	0.73	169	P	29	09.40	-0.3
YBH	0.78	222	eP	29	09.21	-1.4
			eS	29	19.46	
LASM	0.78	155	P	29	10.10	-0.7
LMPM	0.83	188	P	29	10.85	-0.7
LBPM	0.97	175	iPc	29	13.54	-0.4
LGBM	0.98	188	P	29	13.46	-0.6
DBO	1.21	312	P	29	16.76	-1.2
LBKM	1.32	202	P	29	17.84	-2.0
HSO	1.45	327	P	29	20.88	-0.8
LGPM	1.53	204	ePc	29	21.16	-1.7
NCOR	1.53	24	Pc	29	23.26	0.4
HBO	1.55	352	P	29	23.03	-0.1
KRMM	1.62	241	P	29	23.65	-0.5
WDC	1.78	193	ePc	29	25.59	-0.7
TCO	1.82	9	Pc	29	27.24	0.2
KHEM	1.88	209	P	29	28.26	0.2
KRPM	1.90	233	P	29	28.72	0.6
MIN	1.99	171	ePd	29	29.75	0.2
FBO	2.04	348	P	29	30.20	0.0
RNO	2.04	322	P	29	31.06	0.9
FHC	2.12	225	iP	29	31.50	0.2
GMO	2.26	20	P	29	33.21	-0.2
BPO	2.35	6	ePc	29	34.86	0.1
VIFM	2.42	24	Pc	29	35.45	-0.2
COR	2.46	338	eP	29	36.35	0.3
			eS	30	12.35	
MPOR	2.46	333	P	29	36.97	0.7
KMPM	2.47	221	eP	29	35.18	-1.2
SSOR	2.56	353	P	29	37.49	-0.2
KBSM	2.68	207	P	29	38.80	-0.5
KJYM	2.69	221	P	29	39.91	0.4
VBEM	2.76	6	P	29	40.49	-0.1
CROR	2.77	15	Pc	29	40.54	-0.1
ORV	2.78	172	ePd	29	40.91	0.1
GT2	2.85	356	P	29	42.03	0.3
TDH	2.98	3	P	29	44.24	0.6
AOHM	2.99	169	P	29	44.86	1.2
AARM	3.13	166	P	29	46.88	1.2
GCBM	3.14	202	P	29	45.40	-0.4
VLL	3.16	4	P	29	46.87	0.8
PGO	3.17	354	P	29	46.80	0.7
ABRM	3.20	173	P	29	47.34	0.7
ABJM	3.21	169	P	29	47.80	1.0
TKO	3.23	342	P	29	47.86	0.7
WPO	3.31	350	P	29	49.15	1.0
VGB	3.32	15	eP	29	48.91	0.5
GNAM	3.35	202	P	29	47.75	-1.0
APM	3.43	4	P	29	50.73	0.8
APRM	3.49	170	P	29	51.77	1.1
KMOR	3.49	343	P	29	51.45	0.7
JBO	3.52	26	Pc	29	51.74	0.6
AHRM	3.53	168	P	29	52.59	1.3
ARRM	3.60	169	P	29	54.04	1.7
GULW	3.62	5	P	29	53.24	0.5
MTMW	3.71	358	P	29	54.28	0.2
GL2	3.74	13	Pc	29	54.91	0.4
CDFW	3.80	360	P	29	56.32	1.1
JLK	3.83	359	P	29	56.82	1.1
ASR	3.85	4	P	29	56.78	0.8
HSR	3.86	358	P	29	57.25	1.1
RVW	3.87	352	P	29	56.62	0.5
SHW	3.88	358	eP	29	57.39	1.0
ESD	3.88	359	P	29	57.48	1.0
REMW	3.89	358	P	29	57.27	0.7
FL2	3.89	357	P	29	57.03	0.5
YEL	3.90	358	P	29	57.37	0.7
NLO	3.91	345	P	29	57.80	1.0
PATW	3.92	24	P	29	57.60	0.8
SOSW	3.92	359	P	29	57.56	0.6
STD	3.93	358	P	29	57.59	0.6
NTYM	3.95	187	eP	29	57.77	0.5
GVR	4.03	182	P	29	56.40	-2.0
CZM	4.14	355	P	30	00.25	0.3
HMR	4.16	178	eP	30	01.12	0.9
PRW	4.24	22	P	30	02.26	0.8
BMW	4.25	349	eP	30	02.49	0.9
GLK	4.26	4	P	30	02.68	0.9
YAKW	4.34	14	P	30	04.83	2.0
LMW	4.36	357	P	30	04.37	1.2
WPW	4.40	4	P	30	04.58	0.9
KVN	4.41	136	(P)	30	03.56	-0.5

BRVW	4.41	18	P	30	04.59	0.7
RSW	4.43	22	P	30	04.72	0.5
BKS	4.44	182	ePd	30	03.39	-0.8
MXC	4.44	16	P	30	04.52	0.3
LON	4.44	2	eP	30	05.47	1.2
CMB	4.45	163	ePc	30	05.88	1.4
LNOR	4.46	36	Pc	30	04.95	0.5
NAC	4.50	10	P	30	05.52	0.4
REMR	4.51	1	P	30	06.52	1.2
WIW	4.56	24	P	30	06.24	0.4
FMW	4.62	3	P	30	08.02	1.0
RVC	4.63	0	P	30	07.99	1.0
MJ2	4.65	23	P	30	07.71	0.6
GBL	4.66	22	P	30	07.77	0.5
EBG	4.71	12	P	30	08.82	0.7
CPW	4.73	351	P	30	09.61	1.2
BVW	4.75	18	P	30	09.92	1.3
WAH2	4.77	21	P	30	09.61	0.6
ET3	4.80	26	P	30	09.34	0.0
JEGM	4.81	184	eP	30	09.35	-0.1
OT2	4.83	23	P	30	10.24	0.4
CRF	4.88	22	P	30	10.83	0.3
GSM	4.89	2	P	30	12.70	2.0
TWW	4.89	9	P	30	11.91	1.2
TBM	4.96	11	P	30	12.24	0.6
ARN	4.97	176	eP	30	12.18	0.4
MHC	4.97	177	ePd	30	12.69	0.7
COE	5.06	177	eP	30	14.00	1.0
WRD	5.08	23	P	30	13.18	-0.2
RMW	5.15	2	eP	30	15.43	1.1
BONR	5.20	146	eP	30	16.89	1.6
MEMM	5.21	152	eP	30	17.80	2.7
MMPM	5.23	153	eP	30	17.75	2.0
GMW	5.26	354	eP	30	16.66	0.8
EPH	5.32	18	P	30	16.91	0.1
MRCM	5.36	149	eP	30	19.34	1.8
OSR	5.37	346	P	30	20.12	2.6
HDW	5.39	352	P	30	18.96	1.3
ETW	5.42	12	P	30	18.52	0.2
HTW	5.49	2	Pc	30	20.38	1.2
SAO	5.56	175	eP	30	20.65	0.5
WTV	5.58	14	P	30	20.59	0.2
OD2	5.59	24	P	30	19.39	-1.2
TNP	5.60	137	eP	30	22.20	1.3
MTUM	5.62	151	ePc	30	23.21	2.1
OSD	5.64	348	P	30	22.62	1.3
OOW	5.64	345	P	30	23.63	2.4
SAW	5.70	18	P	30	21.61	-0.4
BLN	5.73	354	P	30	25.53	3.0
JCW	5.88	1	P	30	25.60	1.0
NLW	5.88	11	P	30	25.49	0.7
DHW2	5.89	15	P	30	24.76	0.0
OBC	5.90	346	P	30	23.66	-1.3
STW	5.95	349	P	30	25.69	0.1
CMW	6.11	359	P	30	28.67	0.8
DPW	6.18	25	eP	30	27.44	-1.3
MCW	6.39	355	eP	30	31.95	0.1
MBW	6.47	1	Pc	30	33.75	0.7
NEW	6.88	28	eP	30	37.01	-1.6
HVU	6.90	91	eP	30	40.34	1.2
MCMT	7.11	66	iPd	30	40.58	-1.6
PTI	7.14	82	eP	30	45.05	2.6
HHA1	7.15	79	eP	30	45.03	2.4
ISA	7.19	156	eP	30	44.49	1.4
DUG	7.25	104	ePc	30	43.34	-0.6
BCH	7.28	167	eP	30	45.11	0.8
HBMT	7.61	60	ePd	30	48.05	-1.2
LRM	7.73	60	eP	30	49.70	-1.1
BUT	7.73	58	ePd	30	50.40	-0.4
ABL	7.76	163	eP	30	51.92	0.6
BGMT	7.78	65	ePd	30	50.12	-1.5
TPMT	7.90	69	eP	30	54.41	1.2
ARUT	7.98	122	eP	30	55.37	1.2
GSC	8.09	148	eP	30	57.88	2.1
DAU	8.31	100	eP	30	59.99	1.0
MSU	8.41	114	eP	31	01.47	1.1
HRY	8.50	55	ePd	31	00.10	-1.4
MEMT	8.62	64	eP	31	01.90	-1.3
SXM	8.65	60	eP	31	02.60	-1.1
SSK	8.77	156	eP	31	07.73	2.4
EMUT	8.82	103	eP	31	08.06	2.0
BW06	9.21	83	eP	31	12.18	0.8
PEC	9.23	154	eP	31	13.52	2.0
SRU	9.29	106	eP	31	14.52	2.1
PLM	9.83	154	eP	31	21.50	1.7
PV09	10.53	107				

RUV	61.81	208	iPc	39	18.10	1.5
	1.3s	543.00nm				6.6mb
PMO	61.82	209	iPc	39	18.20	1.5
	1.1s	138.20nm				6.0mb
VAH	61.94	208	iPc	39	19.00	1.5
	1.2s	421.30nm				6.5mb
YSS	63.74	311	iPd-	39	30.00	0.8
	1.2s	250.00nm				6.3mb
Z	16s	1.70um				5.3MsZx
N	16s	1.20um				
E	18s	1.50um				
		e		40	09.50	
		e		41	52.00	
		eS		48	12.00	
PPN	64.70	209	iPc	39	37.00	1.4
	1.2s	271.30nm				6.3mb
TRO	64.75	14	eP	39	36.00	0.5
PPT	64.78	209	iPc	39	37.80	1.6
	1.2s	379.60nm				6.5mb
KUSJ	64.82	306	eP	39	33.40	-2.9
AFR	64.83	209	iPc	39	37.90	1.4
	1.1s	374.10nm				6.5mb
TVO	64.86	209	iPc	39	38.40	1.6
	1.1s	253.00nm				6.3mb
PAE	64.87	209	iPc	39	38.40	1.6
	1.3s	556.00nm				6.6mb
LOF	64.95	17	eP	39	35.92	-0.8
ASAJ	65.45	308	eP	39	39.70	-0.7
HOOJ	66.08	306	eP	39	37.40	-7.0X
NRI	66.41	349	iPc	39	45.00	-1.1
Z	20s	13.00um				6.1MsZ
E	19s	7.70um				
		e		40	15.00	
		e		42	12.00	
		iS		48	37.00	
		e		49	43.00	
		eSS		52	53.00	
MOL	67.93	23	eP	39	55.56	-0.3
NNA	68.08	132	iPc	39	56.00	-1.4
	1.0s	90.00nm				5.9mb
EAB	68.68	32	eP	39	56.90	-3.7X
ELO	68.73	32	eP	39	58.80	-2.1
EDR	68.86	31	eP	40	01.30	-0.4
EDU	68.94	31	eP	39	59.80	-2.4
EBH	68.97	32	eP	40	00.20	-2.1
OFUJ	69.05	304	eP	40	03.90	0.7
EAU	69.28	32	eP	40	01.80	-2.5
EDI	69.33	32	eP	40	04.70	0.2
DCN	69.47	36	eP	40	05.40	-0.1
	1.2s	340.00nm				6.4mb
EBL	69.49	32	eP	40	03.70	-1.8
ESY	69.55	32	eP	40	06.10	0.2
ESK	69.76	32	eP	40	07.20	0.0
	1.0s	48.00nm				5.6mb
EKA	69.76	32	Pc	40	06.80	-0.4
	0.8s	19.10nm				5.3mb
DLF	69.83	35	eP	40	07.40	-0.2
	1.2s	255.00nm				6.2mb
NB2	70.20	22	P	40	08.40	-1.5
	1.1s	72.30nm				5.7mb
NAO	70.27	22	P	40	08.10	-2.2
ETA	70.39	36	eP	40	11.20	0.2
YAMJ	70.61	304	eP	40	12.10	-0.6
ECP	70.68	36	eP	40	13.20	0.4
YRC	70.69	34	eP	40	11.60	-1.2
WME	70.69	34	eP	40	12.50	-0.4
KONO	70.87	24	eP	40	08.27	-5.6X
YRH	70.96	35	eP	40	14.40	-0.2
HFS	71.64	22	eP	40	17.10	-1.4
	0.5s	5.20nm				4.9mb
Z	17s	5.06um				5.9MsZx
		LR		07	42.00	
KAKJ	71.77	302	P	40	19.90	0.2
NIIJ	71.84	304	P	40	17.20	-2.9
VLA	72.17	312	iP	40	22.00	0.1
	2.0s	228.00nm				

CHJJ	72.60	303 P	40 23.50	-1.2			e	51 14.00		ZLA	80.40	32 ePc	41 07.50	-0.8	
MAT	72.77	304 eP	40 25.00	-0.7			e	55 54.00		EPF	80.50	39 eP	41 08.10	-0.8	
	1.1s	144.30nm		6.0mb		WLF	77.76	32 iPc	40 53.77	0.0		1.3s	48.00nm	5.3mb	
	Z 20s	1.42um		5.2Msz			1.5s	54.00nm		5.4mb	PRU	80.52	27 iPc	41 08.20 -0.6	
	eS	49 57.00				BRNL	78.05	26 ePd	40 54.40	-0.9		1.1s	58.20nm	5.5mb	
KAF	72.83	15 iP	40 23.90	-1.7		HYF	78.23	35 eP	40 55.90	-0.6		Z 14s	6.70um	6.1MszX	
	0.6s	30.80nm		5.6mb		LSF	78.55	36 eP	40 57.20	-1.0		N 14s	2.90um		
UPP	72.91	20 iP	40 24.70	-1.3			1.4s	89.75nm		5.6mb	E 15s	5.60um			
	iS	49 53.00				CCH	78.57	126 P	40 57.50	-1.6			e	41 14.30	
MTMJ	72.99	304 P	40 27.50	0.4		SHNJ	78.70	306 P	41 00.70	1.5			e	50 56.00	
MUD	73.34	26 iP	40 29.50	1.0		LOR	78.75	34 eP	40 58.70	-0.6			iSKS	51 18.10	
	1.2s	66.00nm		5.6mb			1.4s	179.50nm		5.9mb			e	52 06.00	
IIDJ	73.64	303 P	40 30.20	-0.6		Z 19s	17.77um		6.4Msz				P	00 46.00	
NUR	73.96	16 iP	40 30.50	-1.6		SSF	78.76	35 eP	40 58.70	-0.7	SIV	80.63	122 P	41 07.20 -2.6	
	1.0s	77.60nm		5.7mb			1.4s	140.30nm		5.8mb	DL2	80.64	315 Pd	41 10.00 0.4	
	Z 20s	7.00um		5.9Msz		TCF	78.82	36 eP	40 58.70	-1.0		1.0s	220.00nm	6.1mb	
	eSKS	50 04.00					1.2s	69.30nm		5.6mb	Z 36s	2.57um		5.3MszX	
	eS	50 44.00				VITF	78.86	32 P	40 58.79	-1.1	E 15s	1.06um			
	LR	10 20.00				BGF	78.88	35 eP	40 59.00	-1.0			eS	51 19.00	
CIT	74.44	328 eP	40 35.00	-0.2			0.7s	24.45nm		5.4mb	MNK	80.67	18 eP	41 07.00 -2.4	
	e	50 17.00				CLL	78.88	27 iPc	40 59.00	-0.9		Z 14s	5.60um		6.1MszX
ARE	74.72	130 eP	40 37.00	-0.4			1.3s	100.00nm		5.7mb			eS	44 13.00	
TSRJ	74.80	304 P	40 37.50	0.1		Z 18s	6.00um		6.0Msz				eS	51 13.00	
COP	75.01	25 eP+	40 42.00	3.8X			i	41 05.70					eSS	56 24.00	
	Z 15s	7.53um		6.1MszX		AVF	78.91	35 eP	40 59.10	-1.1	WET	80.67	28 iPc	41 10.60 1.0	
	iS	50 20.00					eS	50 59.00				1.2s	34.00nm		5.2mb
CN2	75.12	316 eP	40 38.10	-1.0			1.4s	119.80nm		5.7mb	Z 16s	9.00um		6.2MszX	
	1.2s	100.00nm		5.7mb		LANF	78.95	31 P	40 59.20	-1.2	MOS	80.80	11 eP	41 10.00 -0.1	
	Z 24s	1.60um		5.2MszX		MOX	78.97	28 iPc	40 59.90	-0.5		1.9s	280.00nm		6.0mb
	N 15s	0.60um					1.6s	102.00nm		5.6mb			e	41 16.00	
	E 15s	0.45um				Z 18s	6.10um		6.0Msz				e	51 20.00	
	eS	50 20.00				LBF	79.02	34 eP	41 00.00	-0.8	EGRA	80.84	40 eP	41 12.52 2.0	
WIT	75.43	29 eP	40 42.00	1.3			1.5s	96.10nm		5.6mb	PAB	80.85	44 iPc	41 11.20 0.4	
DBN	75.44	31 eP	40 43.00	2.2											

21d 03h

ARU	81.66	360	eS	51	31.00		FIN	83.01	34	P	41	19.52	-2.4	TIO	85.63	52	iP	41	35.00	-0.5
	1.2s	180.00nm	eP	41	13.00	-1.5	LMR	83.02	35	eP	41	21.30	-0.6	ASS	85.74	32	P	41	34.70	-1.1
			e	41	19.50	6.0mb		0.9s	14.90nm				5.2mb		1.0s	84.10nm				5.9mb
			e	44	19.00		EHUE	83.05	44	eP	41	23.85	1.5	TIY	86.19	320	eP	41	35.40	-2.7
			ePPP	46	13.00		BOB	83.06	33	P	41	22.39	0.2		Z	17s	2.75um			5.7MszX
			eS	51	26.00			1.2s	64.80nm				5.7mb		N	13s	1.17um			
			ePS	52	19.00		IMI	83.13	34	P	41	21.76	-0.8		E	15s	1.50um			
SQTA	81.69	30	iPc	41	15.10	0.0	GUA	83.26	282	eP	41	22.00	-1.6				PP	44	55.00	
	1.1s	46.70nm				5.5mb		1.3s	430.77nm				6.5mb				S	52	14.00	
			i	41	16.80		GUMO	83.26	282	eP	41	22.10	-1.5	MNS	86.33	32	P	41	38.33	-0.3
			i	41	20.10			1.1s	238.80nm				6.3mb			2.3s	458.30nm			6.3mb
BNI	81.69	34	P	41	17.11	1.9	PJG	83.26	282	eP	41	22.20	-1.4	AQU	86.64	31	P	41	41.59	1.4
	1.8s	109.10nm				5.6mb	EGUA	83.29	45	eP	41	24.03	0.6		1.1s	146.50nm				6.1mb
TMA	81.72	32	ePc	41	16.30	0.9	HJA	83.53	129	ePc	41	25.40	0.8	BZS	86.64	25	eP	41	31.50	-8.5X
WATA	81.73	30	iPc	41	15.00	-0.4	LVV	83.54	21	eP	41	26.00	1.5	SSE	86.69	310	Pd	41	38.00	-2.5
			i	41	16.80			Z	18s	9.10um			6.2Msz		1.2s	150.00nm				6.1mb
			i	41	20.30			N	18s	6.50um					Z	20s	1.40um			5.4Msz
OSS	81.73	31	ePd	41	16.40	1.0		E	18s	6.50um					N	14s	1.10um			
ORX	81.76	33	P	41	16.13	0.7				e	44	42.00			E	14s	0.80um			
ORO	81.76	33	P	41	15.93	0.4				iS	51	50.00					pP	41	46.50	27kmX
	1.3s	111.40nm				5.8mb			ePS	53	06.00						sS	52	24.00	
WTTA	81.81	30	iPc	41	15.50	-0.3	EALH	83.62	43	eP	41	24.75	-0.4	RDP	86.88	32	P	41	42.63	1.3
	0.9s	20.80nm				5.2mb	ACU	83.63	42	eP	41	25.39	0.2		1.1s	142.80nm				6.1mb
			i	41	17.40		SRO	83.65	26	eP	41	27.80	2.8	NJ2	87.27	312	eP	41	42.50	-0.8
			i	41	22.30		VOY	83.68	29	eP	41	24.30	-1.1		1.0s	50.00nm				5.7mb
RRL	81.85	34	P	41	15.45	-0.7			iSP	41	30.90			Z	16s	0.88um				5.3MszX
RSP	81.85	34	P	41	15.45	-0.5	AVE	83.81	50	iP	41	27.00	0.9		N	15s	1.44um			
BHG	81.88	29	eP	41	17.40	1.5			i	41	40.00			E	15s	1.14um				
VAI	81.88	32	P	41	16.05	0.2	ENIJ	83.89	44	eP	41	27.09	0.5	SDI	87.35	31	P	41	42.77	-0.9
	2.7s	1215.20nm				6.5mb	LJU	83.90	29	eP	41	25.70	-0.7		0.1s	5.30nm				5.8mb
OGA	81.92	30	iPc	41	18.50	2.1			eSP	41	32.00		KIS	87.38	19	iP-	41	43.00	-0.6	
OJC	81.98	24	eP	41	16.20	-0.2			eS	51	50.00			Z	17s	6.50um				6.1MszX
	1.0s	68.00nm				5.7mb	TRI	83.91	29	eP	41	26.50	0.1		N	16s	5.30um			
Z	18s	9.50um				6.2Msz			e	44	36.00			E	16s	2.60um				
			i	41	17.60				e	51	56.00						e	45	13.00	
			i	41	21.50		PSZ	84.05	25	eP	41	27.60	0.4				iS	52	10.00	
			eS	51	34.00		HHC	84.09	322	Pc	41	29.00	1.4	CYA	87.40	133	ePc	41	42.50	-1.3
KMR	82.04	28	iP+	41	19.00	2.3		1.0s	60.00nm				5.8mb	DUI	87.64	31	P	41	45.47	0.4
BHB	82.11	34	P	41	17.46	0.3		Z	18s	2.54um			5.6Msz		1.3s	71.40nm				5.8mb
EBAN	82.17	45	eP	41	16.81	-0.8		N	13s	0.98um				VRI	87.89	21	eP	41	42.00	-4.1X
ETER	82.23	38	eP	41	18.73	0.9		E	14s	0.89um				MLR	88.02	22	eP	41	39.50	-7.4X
EROQ	82.24	40	eP	41	18.06	0.1	UZH	84.13	23	ePd	41	27.00	-0.5	ZON	88.34	137	eP	41	48.80	0.5
EBR	82.29	40	eP	41	20.00	1.9			i	41	29.20			CFR	88.90	21	eP	41	51.00	0.1
			eS	51	34.00				i	41	34.00			SGO	88.91	31	P	41	50.20	-0.8
EPRU	82.30	46	eP	41	17.92	-0.5			e	44	48.00				1.0s	44.10nm				5.7mb
ELUQ	82.37	45	P	41	19.95	1.2			eS	51	49.00			BAO	89.02	112	eP	41	51.90	0.0
	1.9s	179.20nm				5.9mb			ePS	52	46.00						i	41	57.00	
DOI	82.38	34	P	41	20.03	1.3			eSS	57	17.00			MGR	89.37	31	P	41	52.20	-1.1
	0.8s	13.80nm				5.1mb			eSSS	00	52.00				1.2s	71.00nm				5.8mb
EVIA	82.48	43	eP	41	18.46	-0.9	ESEL	84.25	39	eP	41	29.25	1.0	SOB1	89.63	103	eP	41	55.60	0.8
ECHE	82.52	42	eP	41	20.54	1.1	PII	84.36	32	P	41	27.45	-1.2	KVG	89.63	266	eP	41	56.00	1.2
BJI	82.55	319	eP	41	19.00	-0.5		1.0s	111.00nm				6.0mb	ORI	89.78	31	P	41	54.68	-0.5
	1.0s	14.00nm				5.1mb	RIY	84.45	29	eP	41	28.70	-0.4		1.0s	250.40nm				6.4mb
Z	22s	1.85um				5.4Msz	PTJ	84.53	28	eP	41	30.60	0.9	SKO	89.85	26	iP	41	56.00	0.5
N	18s	1.62um					TGT	84.56	48	iP	41	33.00	3.2X		Z	17s	7.60um			6.2MszX
			ePP	44	28.00		FIR	84.60	32	eP	41	31.00	1.1				iPP	45	30.00	
			eS	51	36.00				eS	51	54.00						eS	52	26.00	
EJIF	82.56	47	eP	41	20.26	0.6	ZAG	84.61	28	eP	41	29.00	-0.9				e	55	10.00	
KBA	82.59	29	iPc	41	19.50	-0.4	VBY	84.62	29	eP	41	29.20	-0.8				LR	24	46.00	
	1.8s	99.70nm				5.7mb			i	41	31.40		WMQ	90.20	339	P	41	57.00	-0.2	
			i	41	21.20				i	41	36.20			1.0s	110.00nm					6.1mb
			i	41	26.10		PGD	84.70	32	P	41	30.31	-0.3		Z	20s	3.48um			5.8Msz
VKA	82.60	27	iPd	41	18.00	-1.7	PGF	84.71	34	eP	41	29.90	-0.8		N	15s	2.33um			
	5.5s	1354.00nm				6.3mb X		1.0s	46.00nm				5.7mb		E	15s	5.06um			
Z	16s	7.20um				6.1MszX	SFI	84.71	32	P	41	31.37	0.9				sS	53	02.50	
			i	41	21.80			1.1s	300.30nm				6.4mb	GTA	90.23	329	eP	41	56.50	-1.0
			LR	20	45.00		IFR	84.93	48	iP	41	31.00	-1.0		1.5s	65.00nm				5.7mb
STV	82.62	34	P	41	19.15	-0.8			i	41	55.50			Z	20s	3.80um				5.8Msz
YJA	82.66	129	ePc	41	20.00	-0.8	RSM	84.94	31	P	41	32.25	0.7		N	14s	1.19um			
ENR	82.68	34	P	41	18.24	-2.0		1.3s	493.00nm				6.6mb				pP	42	06.00	30kmX
SAL	82.78	31	P	41	22.31	1.7	BTO	84.99	323	eP	41	31.00	-1.1				sP	42	10.00	
	1.2s	272.30nm				6.3mb		N	15s	0.69um							PP	45	36.00	
ROB	82.81	34	P	41	19.11	-1.8		E	15s	1.46um							SKS	52	30.00	
CTI	82.84	31	P	41	21.51	0.4				PP	44	48.00					S	52	52.00	
	2.9s	606.90nm				6.3mb			S	52	03.00						SS	58	56.00	
LRG	82.86	35	eP	41	20.40	-0.7	CRE	85.00	32	P	41	32.52	0.5	TCA	90.31	134	ePc	41	56.00	-1.6
	Z	22s	12.90um			6.3Msz		2.2s	323.90nm				6.2mb	OHR	90.41	27	iP	41	58.80	0.6
PCP	82.88	33	P	41	19.34	-1.9	TZK	85.02	47	iP	41	34.00	1.8		1.0s	120.00nm				6.1mb
FRF	82.89	35	eP	41	20.50	-0.8	TIA	85.02	316	eP	41	31.10	-1.1	SIM	90.54	17	eP	42	02.00	3.4X
	1.3s	41.15nm				5.4mb		1.0s	140.00nm				6.1mb				e	52	30.00	
ZST	82.92	26	iP	41	21.70	0.4		Z	38s	5.04um			5.6MszX				eS	52	55.00	
	0.9s	31.50nm				5.5mb		N	17s	1.35um				MRA	90.56	135	ePd	41	58.00	-0.6
ECOG	82.95	45	eP	41	21.88	0.0		E	17s	1.29um				XAN	90.83	320	P	41	59.80	-0.4
SBF																				

[illegible]

21d 04h

45.030 N \pm 3.2km 6.729 E \pm 6.7km
 DEPTH = 5.0km (geophysicist)
 FRANCE (538)
 ML 2.4 (GEN), 2.3 (LDG).

RRL	0.12	160	P	00	11.04	-0.1
			S	00	13.33	
RSP	0.39	72	P	00	17.08	0.6
			S	00	23.54	
BHB	0.42	116	P	00	17.22	0.2
			S	00	23.76	
LPG	0.47	2	Pg	00	17.80	-0.2
			Sg	00	23.80	
LPL	0.49	0	Pg	00	18.10	-0.2
			Sg	00	24.50	
LSD	0.52	35	P	00	19.10	0.0
			S	00	26.37	
PZZ	0.59	153	P	00	19.28	-1.0
			S	00	27.47	
STV	0.89	151	P	00	25.23	-1.0
			S	00	38.04	
ROB	1.10	132	P	00	29.49	-0.2
SBF	1.27	156	Pg	00	34.40	1.8
			Sg	00	54.00	
IMI	1.39	143	P	00	34.16	-0.6
FRF	1.47	182	Pg	00	35.70	0.0
			Sg	00	55.20	
LRG	1.60	190	Pg	00	37.90	0.4
			Sg	00	59.00	
LMR	1.70	185	Pg	00	39.40	0.4
			Sg	01	01.90	

S.D. = 0.8 on 14 of 14 obs.

& SEP 21, 1993 04h 02m 41.00s
 42.300 N 122.000 W
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 <SPEC>. ML 3.7 (GS). Multiple
 event. Held to mainshock
 location.

LBFM	0.96	175	eP	03	00.56	0.7
LGPM	1.52	204	eP	03	08.88	-0.1
WDC	1.77	193	eP	03	14.18	1.8
ORV	2.77	172	eP	03	29.54	2.7

4 obs. associated

? SEP 21, 1993 04h 04m 12.80 \pm 1.02s
 42.396 N \pm 10.7km 121.941 W \pm 36.2km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.7 (GS).

LBFM	1.05	178	eP	04	33.16	0.0
LGPM	1.62	204	eP	04	42.21	-0.1
WDC	1.87	194	eP	04	45.84	0.1
VGB	3.23	15	(P)	05	05.17	0.0

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

& SEP 21, 1993 04h 06m 54.68s
 42.325 N 122.108 W
 DEPTH = 0.1km
 OREGON (32)
 <SEA-P>. MD 2.4 (SEA). ML 2.9
 (GS).

YBH	0.74	217	eP	07	08.09	-1.4
			eS	07	18.37	
LGMM	0.75	164	P	07	08.42	-1.3
LMHM	0.82	156	P	07	09.40	-1.6
LASM	0.83	151	P	07	09.15	-2.0
LMPM	0.84	183	P	07	09.92	-1.5
LGBM	0.98	184	P	07	12.63	-1.8
LPDM	1.17	165	P	07	15.82	-1.7
LBKM	1.31	199	P	07	17.57	-2.3
KSYM	1.41	250	P	07	21.12	-0.4
KOMM	1.45	224	P	07	21.47	-0.8
LGPM	1.51	201	eP	07	20.72	-2.5
KSCM	1.53	271	P	07	23.78	0.4
WDC	1.77	191	eP	07	25.35	-1.5
ORV	2.80	170	eP	07	40.15	-1.5
MEMM	5.25	151	(P)	08	29.05	12.7

15 obs. associated

& SEP 21, 1993 04h 07m 38.00s
 42.300 N 122.000 W
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 <SPEC>. ML 3.6 (GS). Held to
 mainshock location. Multiple
 event.

LGPM	1.52	204	eP	08	06.33	0.3
WDC	1.77	193	eP	08	09.63	0.2
ORV	2.77	172	(P)	08	26.11	2.3
MEMM	5.19	152	(P)	09	00.99	2.8

4 obs. associated

SEP 21, 1993 04h 16m 12.38 \pm 0.16s
 42.267 N \pm 1.4km 122.031 W \pm 2.8km
 DEPTH = 5.0km (geophysicist)
 4.4mb (5 obs.)

OREGON (32)
 ML 4.5 (BRK). MD 3.8 (SEA). Felt
 in the Klamath Falls area.

LHEM	0.65	192	P	16	25.12	-0.4
LGMM	0.68	168	P	16	26.01	0.0
YBH	0.74	224	ePc	16	26.10	-1.0
			eS	16	36.35	
LMHM	0.74	158	P	16	26.92	-0.3
LMPM	0.78	187	P	16	27.55	-0.7
LBFM	0.92	173	iPc	16	30.12	-0.6
LPDM	1.10	167	P	16	33.27	-0.3
DBO	1.23	314	P	16	35.26	-0.6
HSO	1.48	329	Pd	16	39.09	-0.7
			S	16	59.60	

LGPM	1.48	204	ePc	16	38.06	-1.8
LHCM	1.51	165	P	16	40.18	0.0
NCOR	1.58	24	Pd	16	41.20	-0.1
HBO	1.59	352	Pd	16	41.20	-0.2
WDC	1.73	193	ePc	16	42.39	-0.9
LCFM	1.82	168	P	16	45.38	0.5
LDBM	1.84	174	P	16	45.13	0.1
TCO	1.87	10	Pd	16	45.23	-0.2
LSLM	1.87	168	P	16	46.04	0.6
MIN	1.95	170	ePc	16	46.51	-0.1
RNO	2.07	323	Pd	16	49.50	1.3
ARC	2.07	229	eP	16	48.49	0.3
FHC	2.07	226	iP	16	48.63	0.3
FBO	2.08	349	P	16	47.99	-0.5
LCMM	2.15	170	P	16	50.75	1.1
EKR	2.23	226	iP	16	50.40	-0.1
KCRM	2.28	217	P	16	50.84	-0.5
FOX	2.28	221	iP	16	51.51	0.2
GMO	2.31	19	P	16	51.22	-0.6
BPO	2.40	6	P	16	52.86	-0.3
KMPM	2.43	221	ePc	16	53.37	-0.1
VIPM	2.47	24	P	16	53.31	-0.7
MPOR	2.50	334	P	16	54.96	0.5
COR	2.50	339	ePd	16	54.30	0.0
SSOR	2.61	353	Pd	16	55.50	-0.5
KSM	2.63	219	P	16	56.22	-0.1
OBHM	2.65	170	P	16	57.16	0.6
ORV	2.74	171	eP	16	58.45	0.6
CROR	2.82	15	Pd	16	58.62	-0.4
GT2	2.89	357	P	17	00.67	0.6
OHCM	2.96	172	P	17	01.66	0.8
TDH	3.03	3	P	17	01.74	-0.2
GCBM	3.09	202	P	17	02.30	-0.5
VLL	3.21	4	P	17	04.78	0.3
PGO	3.21	355	P	17	04.41	0.0
TKO	3.27	342	P	17	06.14	0.8
AVRM	3.29	170	P	17	06.34	0.8
GARM	3.31	183	P	17	06.23	0.3
WPO	3.35	351	P	17	07.06	0.6
VGB	3.37	15	ePd	17	06.78	0.0
AFDM	3.41	166	P	17	08.60	1.2
APM	3.48	4	P	17	09.88	1.6
KMOR	3.53	343	P	17	09.51	0.5
JBO	3.57	26	P	17	09.64	0.1
NBPM	3.60	182	P	17	11.15	1.2
GULW	3.67	5	P	17	11.38	0.3
MTMW	3.76	358	P	17	12.12	-0.3
GL2	3.79	13	P	17	13.22	0.4
CDFW	3.85	360	P	17	14.16	0.6
ASR	3.90	4	P	17	14.39	0.1
AASM	3.90	169	P	17	18.25	4.0X
NTYM	3.90	187	(P)	17	13.86	-0.4
RVW	3.92	353	P	17	19.13	4.6X
SHW	3.93	358	eP	17	14.79	0.0
FL2	3.94	357	P	17	14.50	-0.4
YEL	3.94	358	P	17	15.70	0.7
NLO	3.95	346	P	17	15.77	0.7

PATW	3.97	24	P	17	16.26	1.1
STD	3.97	358	P	17	15.27	-0.1
ERK	4.04	357	P	17	16.26	-0.1
TDL	4.09	358	P	17	16.83	-0.1
HMR	4.11	177	(P)	17	17.11	-0.1
PRW	4.29	22	P	17	20.77	1.0
BMW	4.29	349	eP	17	18.73	-1.2
GLK	4.31	4	P	17	21.40	1.3
LMW	4.40	358	P	17	22.12	0.6
WPW	4.44	4	P	17	22.50	0.4
RSW	4.48	22	P	17	23.24	0.7
LON	4.49	2	eP	17	22.84	0.2
MXC	4.49	16	P	17	23.22	0.7
LNOR	4.50	36	P	17	23.25	0.4
NAC	4.55	11	P	17	23.94	0.5
WIW	4.61	24	P	17	24.71	0.5
MDW	4.64	20	P	17	25.28	0.6
FMW	4.67	3	P	17	26.49	1.1
RVC	4.68	0	P	17	25.54	0.2
MJ2	4.70	23	P	17	26.07	0.5
GBL	4.70	22	P	17	25.95	0.3
EBG	4.76	12	P	17	27.20	0.7
CPW	4.77	351	P	17	28.28	1.6
BVW	4.80	18	P	17	27.55	0.5
LOCW	4.82	22	P	17	27.86	0.5
WAH2	4.82	21	P	17	27.58	0.2
ET3	4.85	26	P	17	27.56	-0.1
OT2	4.88	23	P	17	27.97	-0.2
ARN	4.93	175	eP	17	28.35	-0.5
CRF	4.93	22	P	17	29.09	0.2
TBM	5.01	11	P	17	30.73	0.7
COE	5.01	177	(P)	17	31.21	1.2
BONR	5.17	145	ePc	17	33.78	1.2
MEMM	5.17	152	ePc	17	34.47	2.2
MMPM	5.19	153	ePc	17	34.51	1.6
RMW	5.20	2	eP	17	30.82	-1.9
GMW	5.31	354	eP	17	33.88	-0.4
MRCM	5.33	148	eP	17	35.72	1.0
HDW	5.43	353	P	17	36.61	0.6
ETW	5.47	12	P	17	36.86	0.2
SAO	5.51	175	eP	17	38.90	1.7
TNP	5.57	137	eP	17	38.46	0.3

21d 04h

CCH 78.55 126 P 28 14.70 -2.2
 PRU 80.57 27 eP 28 25.50 -1.5
 SIV 80.61 122 P 28 24.60 -3.1X
 S.D. = 1.1 on 144 of 150 obs.

* SEP 21, 1993 04h 28m 05.62± 1.82s
 42.223 N ±12.7km 122.110 W ± 7.4km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 3.2 (GS). Multiple event.

LHEM 0.60 188 P 28 18.10 0.4
 LGMM 0.66 162 P 28 18.80 0.0
 YBH 0.66 223 ePc 28 18.81 -0.1
 eS 28 28.98
 LMPM 0.74 183 P 28 20.50 0.2
 LASM 0.74 147 P 28 19.80 -0.6
 LGBM 0.88 184 P 28 23.10 -0.1
 LBFM 0.89 169 P 28 22.90 -0.4
 LBKM 1.21 200 P 28 28.30 -0.4
 KSXM 1.37 254 P 28 31.20 -0.3
 KOMM 1.38 227 P 28 31.70 0.1
 LGPM 1.42 203 P 28 31.40 -0.8
 WDC 1.67 191 eP 28 35.15 -0.5
 KRPM 1.78 234 P 28 41.10 3.7X
 LRDM 1.82 164 P 28 41.10 3.1X
 MIN 1.91 168 eP 28 39.69 0.3
 KKPM 2.27 204 P 28 50.00 5.5X
 KMPM 2.36 221 P 28 46.60 0.9
 ORV 2.70 170 P 28 51.90 1.3
 VGB 3.43 16 P 29 03.20 2.3X
 LON 4.53 3 P 29 18.50 2.0X

S.D. = 0.6 on 15 of 20 obs.

? SEP 21, 1993 04h 31m 20.87± 5.29s
 42.417 N ±35.6km 121.875 W ±18.7km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 MD 2.9 (GS). Multiple event.

LGMM 0.82 178 P 31 36.56 -0.7
 LHEM 0.83 198 P 31 37.43 -0.1
 LASM 0.85 165 P 31 37.41 -0.5
 YBH 0.93 223 eP 31 38.30 -0.8
 eS 31 48.44
 LMPM 0.95 193 P 31 39.86 0.2
 LBFM 1.07 181 eP 31 42.27 0.6
 eS 31 55.31
 LGBM 1.10 193 P 31 42.59 0.5
 LBKM 1.46 204 P 31 47.22 -0.8
 KOMM 1.64 227 P 31 51.18 0.6
 LGPM 1.66 206 eP 31 50.48 -0.5
 WDC 1.90 195 eP 31 55.49 1.2
 LDBM 1.99 178 P 32 00.42 4.8X

S.D. = 0.8 on 11 of 12 obs.

SEP 21, 1993 04h 34m 06.90± 0.19s
 42.266 N ± 1.6km 122.084 W ± 3.4km
 DEPTH = 5.0km (geophysicist)
 4.0mb (2 obs.)

OREGON (32)

ML 4.2 (BRK). MD 3.8 (SEA).
 Multiple event. Felt in the
 Klamath Falls area.

LHEM 0.64 189 P 34 19.27 -0.6
 YBH 0.71 221 ePc 34 19.74 -1.3
 eS 34 30.64
 LMHM 0.76 155 P 34 21.29 -1.0
 LASM 0.77 150 P 34 20.62 -1.8
 LMPM 0.78 184 P 34 21.67 -1.0
 LBFM 0.93 171 eP 34 24.12 -1.1
 LPDM 1.11 165 P 34 27.61 -0.6
 DBO 1.21 315 P 34 28.52 -1.4
 LBKM 1.26 200 P 34 29.20 -1.6
 KSXM 1.40 253 P 34 31.81 -1.4
 HSO 1.46 330 P 34 32.38 -1.6
 S 34 52.80
 LGPM 1.46 203 eP 34 32.35 -1.7
 HBO 1.59 354 Pd 34 34.66 -1.2
 NCOR 1.60 25 P 34 34.82 -1.2
 WDC 1.72 192 eP 34 36.75 -0.9
 KHEM 1.82 208 P 34 39.25 0.0
 LCFM 1.83 166 P 34 40.22 0.7
 KHMM 1.86 222 P 34 40.88 1.0
 TCO 1.87 11 P 34 38.68 -1.4
 LSLM 1.88 167 P 34 41.10 1.1

LHKM 1.93 161 P 34 41.09 0.2
 MIN 1.95 169 eP 34 40.92 -0.3
 FHC 2.04 225 eP 34 42.25 -0.1
 RNO 2.04 324 P 34 42.93 0.5
 FBO 2.07 350 P 34 41.60 -1.3
 KPPM 2.15 207 P 34 46.09 2.1
 GMO 2.32 20 P 34 45.60 -1.0
 KMPM 2.40 220 eP 34 47.63 0.1
 BPO 2.40 7 P 34 46.66 -1.1
 MPOR 2.48 335 P 34 49.51 0.8
 COR 2.48 339 eP 34 49.80 1.2
 VIPM 2.48 25 P 34 47.54 -1.3
 KBNM 2.51 200 P 34 50.79 1.6
 SSOR 2.60 354 P 34 52.39 1.9
 KSMM 2.61 218 P 34 50.79 0.3
 OGOM 2.63 172 P 34 52.25 1.5
 ORV 2.74 171 ePc 34 52.54 0.1
 KRKM 2.83 197 P 34 59.43 5.7X
 CROR 2.83 16 P 34 53.07 -0.6
 GT2 2.89 357 P 34 56.20 1.7
 TDH 3.03 4 P 34 59.18 2.6X
 VLL 3.21 5 P 35 02.90 3.9X
 TKO 3.26 343 P 35 02.37 2.6X
 AVRMM 3.30 169 P 35 01.39 1.2
 VGB 3.38 16 eP 35 01.09 -0.4
 APRM 3.45 169 P 35 03.47 1.1
 KMOR 3.52 344 P 35 05.04 1.6
 JBO 3.58 26 P 35 04.95 0.7
 MTMW 3.76 359 P 35 06.92 0.0
 GL2 3.80 13 P 35 07.10 -0.4
 CDFW 3.85 0 P 35 08.94 0.8
 ASR 3.90 5 P 35 09.87 1.0
 SHW 3.93 358 eP 35 10.18 0.9
 FL2 3.93 357 P 35 08.88 -0.5
 NLO 3.95 346 P 35 10.90 1.4
 BMW 4.29 349 eP 35 16.10 1.8
 GLK 4.31 4 P 35 15.18 0.5
 LMW 4.40 358 P 35 21.46 5.4X
 CMB 4.42 162 eP 35 16.63 0.4
 WFW 4.45 5 P 35 16.96 0.3
 LON 4.49 2 eP 35 16.88 -0.3
 RSW 4.50 23 P 35 16.61 -0.7
 MXC 4.50 16 P 35 17.11 -0.1
 LNOR 4.53 36 P 35 17.62 -0.1
 NAC 4.56 11 P 35 17.29 -0.8
 WTW 4.62 25 P 35 18.18 -0.8
 MDW 4.65 20 P 35 18.90 -0.6
 FMW 4.67 3 P 35 20.06 0.1
 RVC 4.68 1 P 35 19.43 -0.5
 MJ2 4.71 23 P 35 19.90 -0.4
 GBL 4.72 23 P 35 19.15 -1.3
 LOCW 4.84 22 P 35 21.41 -0.7
 WAH2 4.84 21 P 35 21.35 -0.7
 ET3 4.86 27 P 35 21.63 -0.8
 ARN 4.93 175 eP 35 23.34 -0.1
 CRF 4.95 22 P 35 22.63 -1.0
 BONR 5.19 145 eP 35 27.56 0.2
 MEMM 5.19 151 eP 35 28.33 1.3
 RMW 5.20 2 (P) 35 29.56 2.3
 MMPM 5.21 152 eP 35 28.04 0.4
 GMW 5.31 355 (P) 35 29.03 0.3
 MRCM 5.35 148 eP 35 29.97 0.4
 SAO 5.52 175 eP 35 31.20 -0.5
 TNP 5.60 137 eP 35 32.47 -0.6
 MTUM 5.60 150 eP 35 33.85 0.7
 DPW 6.24 25 (P) 35 42.30 0.4
 MCMT 7.18 66 eP 35 51.90 -3.5X
 HHAI 7.21 79 eP 35 57.38 1.7
 DUG 7.29 103 (P) 35 57.27 0.5
 ARUT 8.00 121 eP 36 06.08 -0.6
 GSC 8.08 148 (P) 36 08.88 1.1
 BW06 9.27 83 (P) 36 25.00 0.6
 PV09 10.57 107 (P) 36 42.61 0.2
 PV10 10.69 107 (P) 36 49.55 5.6X
 WMOK 19.69 105 eP 38 36.88 -3.0X
 0.9s 18.03nm 4.4mb
 MEO 19.81 104 iPd 38 40.10 -1.0
 YKA 20.74 10 eP 38 52.90 2.3
 0.7s 2.70nm 3.7mb
 TUL 21.32 99 iP 39 00.00 3.2X
 S.D. = 1.0 on 89 of 98 obs.

SEP 21, 1993 04h 38m 02.28± 0.43s
 42.271 N ± 3.5km 122.079 W ± 6.8km
 DEPTH = 5.0km (geophysicist)

OREGON (32)

ML 3.8 (GS). MD 3.5 (SEA).

DBO 1.21 315 P 38 24.31 -1.0
 S 38 41.82
 HSO 1.46 330 P 38 28.45 -0.9
 S 38 48.69
 HBO 1.58 354 Pd 38 30.32 -0.9
 S 38 52.20
 NCOR 1.59 25 P 38 30.65 -0.7
 WDC 1.72 192 eP 38 32.04 -1.1
 eS 38 59.09
 TCO 1.87 11 P 38 34.28 -1.1
 RNO 2.04 324 P 38 38.52 0.7
 FBO 2.07 350 P 38 37.27 -0.9
 GMO 2.32 20 P 38 42.54 0.7
 BPO 2.40 7 P 38 41.99 -1.0
 MPOR 2.48 335 P 38 44.33 0.3
 VIPM 2.48 25 P 38 42.82 -1.3
 SSOR 2.60 354 P 38 44.53 -1.2
 GT2 2.89 357 P 38 51.81 2.0
 TDH 3.03 4 P 38 54.12 2.3
 TKO 3.26 343 P 38 55.72 0.7
 VGB 3.38 16 eP 38 56.20 -0.6
 KMOR 3.51 344 P 38 59.57 0.8
 JBO 3.58 26 P 38 59.30 -0.3
 MTMW 3.76 359 P 39 01.23 -1.0
 CDFW 3.84 0 P 39 03.81 0.4
 ASR 3.89 5 P 39 05.47 1.3
 SHW 3.92 358 eP 39 04.53 -0.1
 FL2 3.93 357 P 39 05.75 1.1
 SOSW 3.97 359 P 39 05.68 0.5
 BMW 4.28 349 eP 39 09.28 -0.4
 GLK 4.31 4 P 39 10.77 0.7
 CMB 4.43 162 eP 39 12.01 0.3
 WFW 4.44 5 P 39 12.80 0.8
 LON 4.48 2 eP 39 11.88 -0.6
 RSW 4.49 23 P 39 12.48 -0.1
 LOCW 4.83 22 P 39 16.97 -0.4
 WAH2 4.83 21 P 39 16.98 -0.4
 ARN 4.93 175 (P) 39 19.51 0.6
 RMW 5.19 2 (P) 39 23.15 0.6
 MMPM 5.21 152 (P) 39 23.37 0.3
 GMW 5.30 355 (P) 39 23.66 -0.4
 MCMT 7.18 66 eP 39 46.80 -3.9X
 S.D. = 0.9 on 37 of 38 obs.

% SEP 21, 1993 04h 54m 25.17± 0.96s
 26.898 S ± 6.4km 26.729 E ± 8.6km
 DEPTH = 5.0km (geophysicist)

REPUBLIC OF SOUTH AFRICA (584)
 ML 2.7 (PRE).

BFS 0.05 91 iPc 54 26.70 0.0
 S 54 27.20
 PRY 0.67 93 eP 54 38.20 -0.3
 S 54 46.10
 KSR 1.04 8 eP 54 44.90 -0.5
 S 54 57.90
 SEK 1.63 151 iPc 54 54.50 -0.2
 S 55 15.50
 SLR 1.81 51 iPd 54 58.20 0.8
 S 55 20.00
 BLF 2.25 192 eP 55 04.00 0.2
 S 55 31.00
 BFT 3.21 69 eP 55 17.50 0.1
 S 55 54.00

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

SEP 21, 1993 04h 55m 29.09± 0.32s
 42.274 N ± 2.6km 122.097 W ± 4.9km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 3.2 (GS), 3.0 (BRK). MD 2.7
 (SEA). Multiple event.

LHEM 0.65 188 P 55 42.60 0.5
 LGMM 0.70 164 P 55 43.50 0.4
 YBH 0.71 220 ePc 55 42.68 -0.6
 eS 55 52.84
 LMHM 0.77 155 P 55 44.40 -0.3
 LASM 0.78 150 P 55 43.80 -1.0
 LMPM 0.79 184 P 55 45.00 0.0
 LGBM 0.93 184 P 55 47.50 0.0
 LBFM 0.94 170 P 55 47.00 -0.6
 LPDM 1.12 164 P 55 50.90 0.3
 DBO 1.19 315 Pd 55 50.43 -1.4
 LBKM 1.26 200 P 55 52.40 -0.7
 KOMM 1.42 226 P 55 56.40 0.7
 HSO 1.45 330 P 55 54.18 -1.9

21d 04h

KSCM	1.54	273	S	56	13.51	
HBO	1.58	354	Pd	55	58.30	1.0
NCOR	1.59	26	P	55	56.59	-1.3
WDC	1.72	191	eP	55	56.85	-1.3
KRFM	1.82	233	P	55	59.89	0.0
TCO	1.87	11	P	56	07.50	6.1X
MIN	1.96	169	eP	56	01.75	-0.4
RNO	1.96	169	eP	56	05.79	2.3
FHC	2.03	324	P	56	04.83	0.4
FBO	2.04	225	P	56	04.70	0.1
GMO	2.07	350	P	56	04.96	0.0
BPO	2.32	21	P	56	09.79	1.1
KMPM	2.40	7	P	56	10.63	0.8
MPOR	2.40	220	P	56	09.70	-0.1
VIPM	2.47	335	P	56	11.03	0.3
SSOR	2.48	25	P	56	11.78	0.8
GT2	2.59	354	P	56	11.31	-1.2
VGB	2.88	358	P	56	18.37	1.8
DAU	3.38	16	P	56	26.00	2.4
SRU	8.37	99	P	57	33.60	-0.6
PV09	9.34	106	P	57	53.40	5.8X
PV10	10.58	107	P	58	03.50	-1.3
PV10	10.70	107	P	58	13.50	7.2X

S.D. = 1.1 on 32 of 35 obs.

? SEP 21, 1993 04h 55m 34.25± 0.94s
 21.502 S ±14.2km 178.901 W ±19.6km
 DEPTH = 550.0km (geophysicist)
 4.7mb (3 obs.)

FIJI ISLANDS REGION (181)

DZM	13.63	265	iPc	58	30.50	0.7
URZ	17.05	191	eP	59	01.40	-1.8
QRZ	20.59	199	eP	59	38.20	1.5
THZ	21.35	197	eP	59	45.00	1.3
LTZ	22.47	197	eP	59	53.10	-0.8
CTA	32.57	266	eP	01	22.50	0.6
	0.5s	30.28nm			5.2mb	
WB2	43.62	263	eP	02	49.60	-2.4
	0.8s	4.90nm			4.1mb	
NANU	60.33	256	iPd	04	53.00	0.7
	0.5s	22.00nm			4.8mb	
CHTO	89.79	290	eP	07	35.50	-0.1
CACB	116.59	130	(Pd)09	20.20	-15.7X	
HFS	140.38	350	ePKP	13	49.00	-12.8X
	0.4s	1.50nm				
CLL	148.83	346	e(PKP)	14	15.00	-1.1
BRG	149.00	344	e(PKP)	14	21.20	4.8X
PRU	149.65	343	ePKP	14	17.50	0.1
KHC	150.69	343	ePKP	14	20.00	0.9
	1.0s	3.50nm				
		e		14	28.50	
GEC2	150.92	343	PKP	14	20.10	0.6
	0.7s	1.18nm				

S.D. = 1.3 on 13 of 16 obs.

SEP 21, 1993 04h 59m 31.35± 0.38s
 42.190 N ± 3.0km 122.110 W ± 6.3km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.2 (GS). MD 2.9 (SEA).

LHEM	0.57	188	P	59	43.50	0.8
LGMM	0.62	161	P	59	44.12	0.3
LMHM	0.70	151	P	59	45.29	0.0
LMPM	0.70	183	P	59	45.81	0.4
LASM	0.71	146	P	59	44.27	-1.3
LGBM	0.85	184	P	59	48.40	0.0
LPDM	1.04	163	P	59	51.49	-0.1
LBKM	1.18	201	P	59	53.50	-0.4
DBO	1.25	318	P	59	53.59	-1.5
		S		00	10.98	
KOMM	1.36	228	P	59	57.08	0.1
KSXM	1.36	255	P	59	56.74	-0.3
HSO	1.52	332	P	59	57.85	-1.4
		S		00	17.91	
KSCM	1.53	276	P	00	00.74	1.2
WDC	1.64	192	eP	00	00.92	0.0
		eS		00	26.77	
HBO	1.66	355	P	59	59.65	-1.7
		S		00	21.66	
LCFM	1.76	165	P	00	04.38	1.5
KRFM	1.77	235	P	00	07.69	4.9X
KPPM	2.07	208	P	00	11.22	3.9X
RNO	2.10	326	P	00	07.95	0.3
FBO	2.15	351	P	00	07.39	-1.0
BPO	2.48	7	P	00	14.44	1.2

MPOR	2.54	336	P	00	14.45	0.4
VIPM	2.56	25	P	00	13.88	-0.5
SSOR	2.68	355	P	00	14.49	-1.5
GT2	2.97	358	P	00	21.43	1.4
VGB	3.46	16	(P)	00	29.18	2.2
SHW	4.00	359	(P)	00	40.76	6.0X
BMW	4.36	350	(P)	00	47.94	8.1X
LON	4.56	3	(P)	00	44.43	1.7
BONR	5.14	144	(P)	00	49.45	-1.7

S.D. = 1.2 on 26 of 30 obs.

SEP 21, 1993 05h 11m 31.33± 0.23s
 42.240 N ± 1.9km 122.092 W ± 3.4km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 4.0 (GS), 3.7 (BRK).

LHEM	0.62	189	P	11	43.97	0.2
LGMM	0.67	163	P	11	44.82	0.1
YBH	0.69	222	iPc	11	44.61	-0.4
		eS		11	55.06	
LMHM	0.74	154	P	11	46.31	0.2
LASM	0.75	149	P	11	45.72	-0.6
LMPM	0.75	184	P	11	46.36	-0.2
LGBM	0.90	185	P	11	48.97	-0.2
LBFM	0.90	170	iPc	11	48.97	-0.3
LPDM	1.08	164	P	11	52.22	-0.1
DBO	1.22	316	P	11	53.88	-0.7
LBKM	1.23	201	P	11	53.65	-1.1
KSXM	1.39	253	P	11	57.04	-0.4
KOMM	1.40	227	P	11	57.06	-0.6
LGPM	1.44	203	ePc	11	56.90	-1.3
HSO	1.48	331	P	11	57.77	-0.9
		S		12	18.62	
KSCM	1.54	275	P	12	00.57	0.9
HBO	1.61	354	Pd	12	00.00	-0.7
NCOR	1.62	25	P	12	00.35	-0.5
WDC	1.69	192	ePc	12	01.15	-0.5
		eS		12	24.65	
LCFM	1.80	166	P	12	05.01	1.4
TCO	1.90	11	P	12	03.99	-0.9
MIN	1.93	169	eP	12	05.59	0.3
		eS		12	32.01	
ARC	2.02	228	eP	12	08.14	1.8
FHC	2.02	225	eP	12	06.79	0.3
RNO	2.06	325	P	12	08.28	1.2
FBO	2.10	350	P	12	07.00	-0.7
GMO	2.35	20	P	12	11.82	0.5
KMPM	2.38	221	eP	12	11.51	-0.2
BPO	2.43	7	P	12	11.60	-0.9
MPOR	2.50	335	P	12	14.18	0.7
COR	2.51	340	ePd	12	12.94	-0.4
		eS		12	48.14	
VIPM	2.51	25	P	12	12.33	-1.3
SSOR	2.63	354	P	12	14.43	-0.8
ORV	2.72	170	ePc	12	17.51	1.0
		eS		12	57.14	
CROR	2.86	16	P	12	17.71	-0.8
GT2	2.92	358	P	12	19.53	0.2
VLL	3.24	5	P	12	29.78	5.9X
VGB	3.41	16	(P)	12	26.11	-0.2
ASR	3.93	5	P	12	35.14	1.5
SHW	3.95	359	(P)	12	30.60	-3.5X
BMW	4.31	350	(P)	12	43.36	4.3X
CMB	4.40	162	(P)	12	40.40	0.0
LON	4.51	2	eP	12	41.83	-0.1
WIW	4.65	25	P	12	43.73	-0.1
MDW	4.68	20	P	12	44.57	0.3
GBL	4.75	22	P	12	45.09	-0.1
MEMM	5.17	151	(P)	12	53.56	2.4
BONR	5.17	145	(P)	12	49.58	-2.0
MMPM	5.19	152	(P)	12	51.48	-0.3
RMW	5.22	2	(P)	12	54.34	2.3
GMW	5.33	355	(P)	12	55.06	1.6
TNP	5.58	136	(P)	13	00.01	2.7X
MTUM	5.59	150	(P)	12	58.86	1.6
HVU	6.96	91	(P)	13	18.60	2.0
MCMT	7.20	66	eP	13	16.60	-3.4X
PTI	7.21	82	(P)	13	20.32	0.2
DUG	7.29	103	(P)	13	21.22	0.0
ARUT	7.99	121	(P)	13	30.33	-0.7
LTX	19.68	125	(P)	16	02.13	-2.2
WMOK	19.69	105	eP	16	00.74	-3.6X
	0.8s	4.43nm			3.8mb X	
UYO	23.09	101	iPc	16	49.30	10.5X
MIAR	23.56	100	eP	16	42.69	-0.7
	0.8s	19.49nm			4.7mb X	

ELC 25.65 90 (P) 17 07.88 4.5X
 S.D. = 1.0 on 55 of 63 obs.

* SEP 21, 1993 05h 12m 24.15± 1.33s
 14.471 N ±14.1km 93.724 W ± 6.6km
 DEPTH = 41.5 ± 8.1 km
 4.7mb (18 obs.)
 NEAR COAST OF CHIAPAS, MEXICO (69)

TPX	1.48	73	iP	12	48.00	-0.7
		iS		13	04.50	
SCX	2.48	25	iP	13	04.25	1.2
		iS		13	35.50	
OXX	3.88	312	eP	13	21.50	-1.6
		(S)		14	15.50	
IIT	6.30	316	(P)	13	59.00	1.7
PPM	6.55	315	eP	14	00.50	-0.5
IIA	6.63	315	eP	14	02.50	0.9
III	6.74	306	eP	14	02.50	-0.9
UNM	7.12	314	(P)	14	17.50	8.8X
CRX	7.52	312	eP	14	15.50	1.1
MRX	8.83	307	iP	14	32.50	0.2
WMOK	20.69	348	eP	17	01.08	-2.2
MEO	20.70	349	iPc	17	01.10	-2.3
TUL	21.43	355	iP	17	11.90	1.1
ACO	22.66	349	iPc	17	23.10	0.1
ALQ	23.39	333	eP	17	31.04	0.7
	0.8s	3.28nm			3.9mb	
		e		17	44.08	
TUC	23.61	322	eP	17	34.97	2.6X
	0.9s	14.16nm			4.5mb	
GOL	27.13	340	eP	18	05.50	-0.2
	1.0s	20.03nm			4.7mb	
PV10	27.40	333	eP	18	07.47	-0.6
PV09	27.54	333	eP	18	09.48	0.1
PLM	28.18	316	ePc	18	15.79	0.6
ARUT	29.08	327	eP	18	24.05	0.9
DAU	30.05	333	(P)	18	31.44	-0.5
RSSD	30.83	345	(P)	18	38.46	-0.3
	0.8s	3.19nm			4.1mb	
BONR	31.96	322	eP	18	49.38	0.6
MCMT	34.34	336	eP	19	10.40	1.1
YKA	50.20	348	eP	21	16.30	-1.3
	0.7s	10.50nm			5.0mb	
SOB1	57.43	111	eP	22	10.60	-0.9
FBA	62.16	337	eP	22	41.72	-1.6
	0.8s	5.88nm			4.8mb	
DAG	72.57	13	iPc	23	48.40	-0.1
	0.9s	15.13nm			5.0mb	
EKA	78.56	36	Pc	24	21.80	-1.0
	0.9s	4.60nm			4.5mb	
MAF	83.97	44	eP	24	52.20	0.7
	0.8s	2.95nm			4.4mb	
BGF	84.07	44	eP	24	52.60	0.6

LMPM	0.61	180	P	20	44.63	0.6	KSXM	1.46	249	P	46	00.79	-0.1	FMW	4.58	3	P	46	46.79	1.3
LMHM	0.64	144	P	20	44.04	-0.7	HBO	1.50	352	P	46	02.10	0.6	RVC	4.58	1	Pd	46	46.77	1.4
LASM	0.67	139	P	20	43.16	-2.0	NCOR	1.50	26	Pc	46	02.49	1.0	MJ2	4.62	24	P	46	47.42	1.7
LGBM	0.76	182	P	20	47.25	0.1	KOMM	1.51	225	P	46	00.40	-1.1	GBL	4.62	23	P	46	47.06	1.2
LBFM	0.78	165	eP	20	46.61	-1.0	LGPM	1.56	202	iPc	46	00.98	-1.3	EBG	4.67	13	P	46	48.22	1.6
LBKM	1.08	201	P	20	52.72	0.0	TCO	1.78	10	Pc	46	06.31	0.8	CPW	4.68	351	P	46	47.65	0.9
KOMM	1.27	230	P	20	55.29	-0.6	WDC	1.82	192	eP	46	06.23	0.3	ONR	4.68	345	P	46	47.14	0.4
LGPM	1.29	203	eP	20	55.26	-1.0	RNO	1.99	322	Pc	46	09.97	1.5	GHW	4.69	358	P	46	48.93	2.2
KSXM	1.31	259	P	20	55.59	-0.9	FBO	1.99	349	Pd	46	09.00	0.5	BVW	4.71	18	P	46	48.84	1.6
WDC	1.55	191	eP	21	00.17	0.1	LHKM	2.01	163	P	46	09.22	0.3	WAH2	4.74	21	P	46	48.87	1.3
LCFM	1.68	163	P	21	03.06	0.8	MIN	2.04	171	eP	46	09.80	0.5	ET3	4.77	27	P	46	48.67	0.7
LDBM	1.69	170	P	21	03.77	1.5	ARC	2.12	226	eP	46	10.89	0.6	OT2	4.80	24	P	46	49.46	1.0
LHKM	1.79	158	P	21	04.30	0.5	FHC	2.13	224	iP	46	11.27	0.8	GSM	4.85	2	P	46	51.32	2.1
KMPM	2.24	222	(P)	21	10.17	0.0	GMO	2.23	21	Pc	46	12.43	0.4	JEGM	4.85	184	eP	46	50.57	1.4
MGL	2.33	168	P	21	14.11	2.6X	EKR	2.29	224	iP	46	13.10	0.4	CRF	4.85	22	P	46	49.91	0.8
ORV	2.59	169	eP	21	16.52	1.4	BPO	2.31	6	Pd	46	14.23	1.0	TWW	4.85	10	P	46	51.71	2.5
VGB	3.56	16	(P)	21	29.19	0.4	VIPM	2.39	25	Pc	46	14.69	0.4	PCC	4.86	183	iP	46	49.94	0.7
BONR	5.09	143	(P)	21	53.53	2.7X	COR	2.41	338	ePd	46	15.39	1.0	MEW	4.86	355	P	46	51.04	1.8
S.D. = 1.0 on 18 of 20 obs.							eS	46	47.59				TBM	4.92	12	P	46	51.50	1.3	
SEP 21, 1993 05h 40m 09.12± 0.62s							MPOR	2.41	333	Pd	46	15.93	1.4	STAN	4.95	181	eP	46	50.25	-0.3
42.232 N ± 4.6km 122.103 W ± 11.0km							KMPM	2.49	220	ePd	46	16.10	0.4	ARN	5.02	175	eP	46	51.77	0.2
DEPTH = 5.0km (geophysicist)							SSOR	2.51	353	Pd	46	16.51	0.5	MHC	5.02	176	eP	46	52.04	0.4
OREGON (32)							KJJM	2.71	220	P	46	18.97	0.1	SMW	5.05	350	P	46	53.56	1.6
ML 3.0 (GS). MD 2.7 (SEA).							VBEM	2.72	7	P	46	19.81	0.8	WRD	5.05	23	P	46	52.47	0.5
LBFM	0.90	170	eP	40	26.97	0.0	CROR	2.73	16	Pc	46	19.77	0.6	COE	5.10	177	eP	46	54.75	2.0
DBO	1.22	317	P	40	31.67	-0.7	GT2	2.80	357	ePd	46	20.70	0.6	RMW	5.10	2	ePd	46	53.92	1.2
			S	40	48.92		ORV	2.83	171	eP	46	21.18	0.7	SPW	5.20	358	P	46	56.23	2.3
LGPM	1.43	203	eP	40	34.53	-1.3	KFFM	2.91	201	P	46	22.92	1.3	GMW	5.22	354	eP	46	54.48	0.2
			eS	40	55.56		TDH	2.94	4	P	46	22.75	0.7	BONR	5.25	146	eP	46	56.71	1.6
HSO	1.48	331	Pd	40	35.64	-0.9	AOHM	3.04	168	P	46	25.31	1.9	MEMM	5.26	152	eP	46	57.02	2.2
			S	40	55.68		VLL	3.12	5	ePd	46	25.78	1.2	MMPM	5.28	153	eP	46	57.72	2.2
HBO	1.62	354	P	40	37.91	-0.7	PGO	3.12	355	P	46	25.70	1.2	EPH	5.29	18	P	46	55.92	0.6
NCOR	1.63	25	P	40	38.17	-0.6	AARM	3.17	166	P	46	27.11	1.7	OSR	5.32	346	P	46	55.75	-0.1
RNO	2.06	325	P	40	46.21	1.3	GCBM	3.18	201	P	46	25.45	0.1	HDW	5.34	353	P	46	56.02	-0.1
FBO	2.11	351	P	40	44.91	-0.6	TKO	3.18	342	Pd	46	26.61	1.2	ETW	5.38	12	P	46	57.80	1.0
KMPM	2.37	221	(P)	40	50.18	0.9	ABJM	3.26	168	P	46	29.19	2.7	MRCM	5.41	149	eP	46	59.37	2.1
BPO	2.44	7	P	40	52.26	1.8	WPO	3.26	351	Pd	46	27.74	1.2	HTW	5.45	2	P	46	58.88	1.2
MPOR	2.51	336	P	40	52.51	1.2	VGB	3.29	16	eP	46	27.37	0.4	WTV	5.54	15	P	46	59.75	0.8
SSOR	2.64	354	P	40	52.36	-0.8	GWKM	3.32	186	P	46	27.18	-0.3	OD2	5.56	24	ePc	46	58.57	-0.6
ORV	2.71	170	eP	40	54.61	0.4	GNAM	3.38	201	P	46	27.98	-0.3	OSD	5.59	348	P	47	00.29	0.6
GT2	2.93	358	P	40	59.57	2.4X	APM	3.39	4	P	46	29.64	1.2	OOW	5.59	345	P	46	58.96	-0.6
S.D. = 1.1 on 13 of 14 obs.							GARM	3.40	183	P	46	29.03	0.4	SAO	5.61	175	eP	47	00.91	1.1
SEP 21, 1993 05h 45m 33.75± 0.12s							KMOR	3.44	343	Pd	46	29.93	0.8	TNP	5.65	138	ePc	47	01.89	1.3
42.358 N ± 1.4km 122.045 W ± 2.3km							JBO	3.49	26	Pc	46	31.04	1.3	FRI	5.65	161	iP	47	01.85	1.4
DEPTH = 5.0km (geophysicist)							AHRM	3.58	168	P	46	32.04	1.0	SAW	5.66	18	P	47	00.88	0.3
5.6mb (137 obs.) 5.8Msz (39 obs.)							GULW	3.58	5	P	46	32.32	1.2	MTUM	5.67	151	eP	47	03.07	2.1
OREGON (32)							NDHM	3.59	178	P	46	33.63	2.4	JCW	5.84	1	P	47	03.83	0.8
Mw 6.0 (HRV). ML 5.9 (BRK). MD							MTMW	3.67	358	Pd	46	33.15	0.7	NLW	5.85	11	P	47	04.77	1.5
6.0 (SEA). Mo=8.1*10**17 Nm							GL2	3.71	13	P	46	34.18	1.2	DHW2	5.85	15	P	47	03.91	0.6
(BRK). 1.5*10**18 Nm (PPT).							CDFW	3.76	360	ePd	46	34.81	1.1	OBC	5.86	347	P	47	00.11	-3.2X
Additional damage in the Klamath							JLK	3.79	359	P	46	35.46	1.3	STW	5.90	349	P	47	04.61	0.7
Falls area. At some locations										S	47	30.15		OHW	5.98	357	P	47	06.66	1.8
northwest of Klamath Falls this							ASR	3.81	5	Pd	46	35.69	1.3	CMW	6.07	360	P	47	07.10	0.8
earthquake produced higher							HSR	3.81	359	P	46	36.29	1.7	RFW	6.10	3	P	47	07.59	0.8
intensities than the event which							RVW	3.82	353	P	46	35.19	0.6	DPW	6.15	25	eP	47	06.50	-0.9
occurred at 0328.							SHW	3.84	358	eP	46	35.81	0.9	MCW	6.35	355	eP	47	10.29	0.0
CENTROID, MOMENT TENSOR (HRV)							ESD	3.84	359	P	46	36.61	1.7	MBW	6.43	1	P	47	12.19	0.7
Data Used: GDSN							REMW	3.84	359	P	46	36.03	1.0	PKEM	6.47	166	(P)	47	11.54	-0.4
L.P.B.: 42S, 98C							FL2	3.84	357	Pd	46	35.71	0.7	NEW	6.85	29	eP	47	15.72	-1.6
Centroid Location:							YEL	3.85	359	P	46	36.15	1.0	HVU	6.92	92	eP	47	20.00	1.5
Origin Time 05:45:39.2 0.1							NLO	3.86	345	P	46	36.57	1.4	MCMT	7.12	67	iPc	47	20.06	-1.3
Lat 42.17N 0.02 Lon 122.03W 0.02							SOSW	3.88	359	P	46	36.64	1.2	HHAI	7.17	79	eP	47	22.64	0.7
Dep 15.0 FIX Half-duration 2.3							STD	3.88	358	P	46	36.26	0.8	ISA	7.24	156	eP	47	24.94	2.1
Moment Tensor; Scale 10**17 Nm							PATW	3.89	24	P	46	36.75	1.3	DUG	7.28	104	eP	47	23.03	-0.5
Mrr=-9.95 0.13 Mtt= 1.34 0.17							ERK	3.95	357	P	46	37.04	0.6	BCH	7.32	167	ePc	47	26.18	2.1
Mff= 8.61 0.17 Mrt= 0.61 0.45							NTYM	3.99	187	eP	46	39.22	2.3	HBMT	7.61	60	eP	47	27.10	-1.2
Mrf=-3.87 0.51 Mtf=-0.05 0.14							CZM	4.09	356	P	46	39.16	0.9	LRM	7.72	60	eP	47	29.40	-0.4
Principal Axes:							NTBM	4.16	190	P	46	40.93	1.6	BUT	7.73	59	eP	47	29.70	-0.2
T Val= 9.39 Plg=11 Azm= 89							BMW	4.20	349	eP	46	40.53	0.6	BGMT	7.79	65	ePc	47	29.20	-1.5
N 1.37 3 358							HMR	4.20	177	eP	46	41.00	1.1	ABL	7.81	163	eP	47	32.31	1.2
P -10.75 78 256							PRW	4.21	23	P	46	41.64	1.6	TPMT	7.90	69	eP	47	32.85	0.5
Best Double Couple:Mo=1.0*10**18							GLK	4.22	4	P	46	42.34	2.1	ARUT	8.02	122	eP	47	34.01	0.1
NP1:Strike=182 Dip=34 Slip= -85							YAKW	4.30	14	P	46	44.06	2.7	GAU	8.14	148	eP	47	37.91	2.4
NP2: 357 56 -93							LMW	4.31	358	ePd	46	43.05	1.5	DAU	8.34	100	eP	47	38.34	-0.2
LGM	0.77	168	P	45	49.79	0.4	WPW	4.35	5	P	46	43.31	1.1	MSU	8.45	114	eP	47	40.54	0.6
YBH	0.80	219	eP	45	48.96	-0.8	BRVW	4.38	19	P	46	43.63	1.1	HRY	8.49	56	ePc	47	39.30	-1.2
LASM	0.83	155	P	45	50.52	0.0	LON	4.39	2	eP	46	43.65	1.0	MEMT	8.62	64	eP	47	40.80	-1.5
LMPM	0.87	186	P	45	51.18	0.0	RSW	4.40	23	P	46	44.30	1.5	SXM	8.65	60	ePc	47	41.66	-1.1
LBFM	1.02	173	iPc	45	53.70	0.1	XMC	4.40	16	P	46	43.91	1.2							

21d 05h

GLA	10.90	146 eP	48 15.98	2.4			ScP	58 47.60		NNA	68.13	132 eP	56 34.20	-2.8		
GOL	12.87	96 eP	48 39.25	-1.1			SSS	59 14.30			1.0s	10.00nm		5.0mb		
		eSg	52 25.28				SSS	00 27.30		ELO	68.70	32 eP	56 38.20	-1.8		
GLD	12.96	96 ePc	48 40.89	-0.6			ScS	02 49.30		EDR	68.83	31 eP	56 38.60	-2.2		
RSSD	13.25	76 eP	48 42.88	-2.5		HBF	34.02	92 eP	52 18.74	-1.8	EDU	68.92	31 eP	56 39.20	-2.1	
TUC	13.44	135 eP	48 52.43	4.8X		CBN	34.03	82 iPc	52 21.00	0.3	EBH	68.94	32 eP	56 39.00	-2.5	
	1.4s	38.43nm		5.2mb		RSNY	34.18	70 eP	52 21.58	-0.4	OFUJ	69.01	304 eP	56 40.50	-1.7	
ALQ	14.24	116 eP	48 58.51	0.1			1.1s	36.53nm		5.2mb	EAU	69.25	32 eP	56 41.60	-1.8	
	0.8s	117.66nm		5.7mb		Z	21s	10.43um		5.5Msz	EDI	69.30	32 eP	56 41.40	-2.3	
		Lg	53 10.18			TBR	35.33	75 iPd	52 30.14	-1.6	DCN	69.45	36 eP	56 43.60	-1.0	
SIT	16.99	335 eP	49 33.27	-0.1		GMTN	35.44	76 iP	52 32.80	0.1		1.3s	350.00nm		6.4mb	
	1.3s	89.37nm		4.7mb		PNJ	35.45	76 iP	52 31.71	-1.1	EBL	69.46	32 eP	56 43.00	-1.7	
ACO	18.52	100 iPc	49 52.60	-0.2		PAL	35.60	76 eP	52 33.31	-0.7	ESY	69.53	32 eP	56 41.30	-3.8X	
ULM	19.65	57 eP	50 07.00	0.8		LSCT	35.88	74 eP	52 34.39	-2.0	ESK	69.73	32 eP	56 45.60	-0.7	
WMOK	19.68	105 eP	50 05.32	-1.4			1.2s	43.02nm		5.2mb		1.0s	48.00nm		5.6mb	
	2.6s	4809.58nm		6.3mb		LBNH	36.07	70 eP	52 36.99	-1.0	EKA	69.74	32 Pc	56 44.10	-2.3	
LTX	19.72	125 eP	50 06.82	-0.3			1.1s	56.19nm		5.3mb		1.1s	52.80nm		5.6mb	
FNO	20.43	102 e(P)	50 14.90	0.4		Z	20s	10.44um		5.6Msz	DLF	69.80	35 eP	56 46.70	-0.1	
YKA	20.64	10 eP	50 16.90	0.4		BNH	36.44	69 eP	52 39.75	-1.4		1.2s	170.00nm		6.1mb	
	1.0s	113.60nm		5.2mb		HON	36.67	246 P	52 50.00	6.8X	NB2	70.17	22 P	56 47.20	-1.8	
TUL	21.31	99 iP	50 23.70	0.2		Z	21s	11.42um		5.6Msz		1.3s	99.00nm		5.8mb	
BALM	22.37	334 eP	50 34.65	0.6		FRB	37.12	36 eP	52 47.00	0.4	ETA	70.36	36 eP	56 49.20	-1.0	
MZX	23.11	141 (P)	50 44.00	2.5			1.0s	45.00nm		5.2mb	NRA0	70.51	22 iPc	56 49.50	-1.5	
MIAR	23.54	100 eP	50 45.32	-0.3		ADK	37.57	304 eP	52 50.00	-0.5	NRE0	70.51	22 eP	56 54.60	3.6X	
	0.8s	66.03nm		5.3mb			1.2s	99.43nm		5.4mb			S	06 14.40		
		S	55 06.38			MIM	37.80	67 eP	52 51.90	-0.6			SS	11 02.90		
CCM	23.84	90 eP	50 47.81	-0.7		CBM	38.00	64 eP	52 51.87	-2.3			SSS	13 59.50		
	2.3s	1561.22nm		6.2mb			1.8s	84.41nm		5.2mb	YAMJ	70.57	304 eP	56 51.00	-0.8	
FCC	23.92	37 eP	50 52.50	3.5X		Z	19s	14.37um		5.8Msz	ECP	70.66	36 eP	56 51.60	-0.4	
TOA	24.42	332 eP	50 55.70	1.7		EMM	38.99	67 eP	53 03.63	1.1	YRC	70.66	34 eP	56 49.50	-2.5	
FVM	24.47	90 eP	50 53.18	-1.5		ILT	39.15	330 iPd	53 03.80	0.3	WME	70.67	34 eP	56 51.80	-0.3	
	1.0s	78.83nm		5.3mb			1.1s	180.00nm		5.6mb	KONO	70.84	24 eP	56 46.33	-6.7X	
KDC	24.60	319 eP	50 57.90	2.3		Z	16s	4.90um		5.4MszX	YRH	70.94	35 eP	56 53.70	0.0	
SLKM	24.95	326 eP	51 00.78	1.6		N	18s	2.00um			HFS	71.61	22 eP	56 55.40	-2.3	
PMR	25.16	329 ePd	51 01.91	0.9		E	16s	2.90um				1.1s	115.60nm		5.9mb	
	1.0s	100.88nm		5.5mb				iS	59 08.00		Z	18s	4.70um		5.8Msz	
Z	21s	5.34um		5.0Msz		LMN	40.50	65 eP	53 13.00	-2.0			LR	22 30.00		
LST	25.53	92 eP	51 03.35	-1.4		SMY	42.99	307 P	53 50.00	14.8X	NIIJ	71.79	304 P	56 58.20	-0.9	
ELC	25.61	90 eP	51 02.48	-3.0X		Z	21s	5.43um		5.4Msz	VLA	72.12	312 iPd	56 59.00	-2.0	
CRP	26.16	327 ePd	51 11.19	0.6		GDH	43.62	29 iPd	53 45.10	5.0X		2.8s	325.00nm		5.9mb	
CP2	26.20	327 eP	51 11.82	0.8			1.5s	172.22nm		5.6mb			i	57 25.00		
AGX	26.27	135 (P)	51 14.50	2.8				e	55 36.00				eS	06 26.00		
OXF	26.62	96 eP	51 13.24	-1.6				e	00 35.00				iPS	07 04.00		
INK	26.72	351 eP	51 14.50	-0.9				i	03 20.00		MDJ	72.36	315 eP	57 00.50	-1.9	
	1.0s	19.00nm		4.8mb		PET	51.83	311 eP	54 44.00	-0.5		Z	36s	11.00um		5.9MszX
COL	26.88	336 eP	51 16.41	-0.6			1.2s	100.00nm		5.6mb		N	14s	0.81um		
	2.0s	292.22nm		5.6mb				e	56 44.00		E	14s	1.34um			
FBA	26.88	336 iPd	51 16.74	-0.3				eS	02 16.00		CHJJ	72.56	303 P	57 03.00	-0.7	
	1.0s	19.16nm		4.8mb		DAG	52.12	17 eP	54 45.00	-1.5	MAT	72.73	304 eP	57 03.00	-1.7	
SVW	27.54	324 iPd	51 22.99	-0.1			1.1s	35.44nm		5.2mb		0.8s	27.61nm		5.4mb	
	1.1s	129.94nm		5.6mb		APR	52.30	99 P	54 48.00	-0.5	Z	20s	1.42um		5.2Msz	
TTA	28.58	328 eP	51 29.95	-2.5		MGP	52.32	100 P	54 48.60	0.0			eS	06 34.00		
	1.3s	44.90nm		5.1mb		PORP	52.62	100 P	54 50.00	-0.9	KAF	72.80	15 iP	57 02.60	-2.0	
MRX	28.65	136 (P)	51 35.50	2.1		CLLP	52.65	100 P	54 50.40	-0.7		0.6s	33.10nm		5.6mb	
IMA	29.50	334 iPd	51 40.75	-0.1		CPD	53.16	99 P	54 55.00	0.1	UPP	72.88	20 iP	57 03.20	-1.9	
	1.1s	45.33nm		5.2mb		TIK	55.96	339 iP-	55 14.00	-0.7			iS	06 30.00		
DLA	29.59	75 P	51 42.20	0.5			1.4s	77.00nm		5.5mb	MTMJ	72.95	304 P	57 07.10	1.0	
CRX	29.69	134 (P)	51 49.00	5.8X		Z	16s	4.50um		5.7MszX	MUD	73.31	26 iP	57 07.20	-0.5	
ELF	29.70	74 P	51 42.60	-0.1				e	56 10.00			1.0s	54.00nm		5.6mb	
LDN	29.83	75 P	51 43.50	-0.3				e	57 14.00		NUR	73.93	16 iP	57 09.90	-1.3	
MYNC	30.28	91 eP	51 45.68	-2.2				eS	03 03.00			0.9s	71.10nm		5.7mb	
	2.0s	674.80nm		6.2mb				e	03 06.00		Z	20s	6.00um		5.9Msz	
IIA	30.46	132 (P)	51 51.50	1.9		KBS	56.01	10 eP	55 16.00	1.0			eS	06 44.00		
ACTO	30.51	73 P	51 50.38	0.6		BOG	56.75	118 iPd	55 23.00	1.5			LR	27 00.00		
PPM	30.54	132 (P)	51 52.00	1.1				iS	03 18.00		CIT	74.39	328 eP	57 14.00	-0.2	
IIT	30.75	132 (P)	51 54.50	2.0		PSO	57.29	123 eP	55 27.00	1.6	TSRJ	74.75	304 P	57 15.90	-0.5	
TYNO	30.76	74 (P)	51 52.24	0.2		CAR	57.42	107 iPc	55 44.00	18.0X	COP	74.98	25 iP-	57 18.00	0.6	
STCO	31.23	74 (P)	51 57.50	1.4		AKU	57.51	28 eP	55 24.70	-1.2	Z	18s	3.51um		5.7Msz	
NAV	31.84	85 ePc	51 59.62	-2.1			1.1s	35.44nm		5.3mb			iS	06 58.00		
YSNY	31.86	75 ePc	52 00.33	-1.4		YAK	61.15	329 iPd-	55 48.70	-2.3	CN2	75.07	316 eP	57 16.60	-1.6	
	1.1s	71.04nm		5.5mb			1.0s	151.00nm		6.1mb		1.2s	52.00nm		5.4mb	
Z	19s	7.71um		5.4Msz				e	56 32.00			Z	26s	2.37um		5.4MszX
PRM	32.02	92 eP	52 01.33	-1.9				eS	04 08.00			N	15s	1.03um		
JAC	32.43	53 eP	52 05.00	-1.6		YSS	63.69	311 iPd-	56 07.00	-1.2		E	15s	0.60um		
JSC	32.75	91 ePd	52 07.09	-2.5			1.0s	50.00nm		5.7mb			eS	06 57.50		
LHS	32.99	90 ePd	52 09.09	-2.6		Z	15s	1.00um		5.1MszX	WIT	75.40	29 eP	57 22.50	2.7	
OXX	33.20	132 (P)	52 15.50	1.7				e	58 33.00		DBN	75.42	31 eP			

			eS	06 58.00		MAF	79.00	36 eP	57 38.50	-1.5		Z	16s	6.50um		6.1MsZx
			ePS	07 34.00			1.4s	81.05nm		5.6mb				eS	08 02.30	
FLN	75.72	36 eP	57 20.10	-1.7		HAU	79.15	32 eP	57 39.50	-1.3		KHC	80.90	28 P	57 49.00	-1.2
	1.2s	67.25nm		5.6mb			1.2s	57.10nm		5.5mb			1.0s	14.00nm		4.9mb
Z	20s	7.25um		6.0MsZ			Z	19s	6.63um	6.0MsZ		Z	16s	6.00um		6.0MsZx
GRR	75.84	36 eP	57 21.30	-1.2		CDF	79.18	32 eP	57 39.80	-1.3		N	16s	5.00um		
	1.1s	168.50nm		6.1mb			1.2s	46.40nm		5.4mb		E	12s	1.00um		
WKYJ	75.86	303 P	57 22.50	-0.4		LFF	79.19	37 eP	57 39.70	-1.3				e	57 56.50	
LDF	76.01	36 eP	57 21.70	-1.7			1.3s	117.35nm		5.7mb				e	58 09.00	
	1.1s	93.75nm		5.8mb		SMF	79.21	35 eP	57 39.40	-1.7				e	58 51.50	
LPF	76.03	36 eP	57 22.20	-1.3			1.5s	80.45nm		5.5mb				e	59 22.60	
	1.0s	75.40nm		5.8mb		WLS	79.21	32 P	57 40.54	-0.6				S	08 00.00	
WTS	76.11	30 eP	57 24.50	0.6		RJF	79.26	37 eP	57 39.80	-1.6		EVAL	81.02	47 eP	57 52.66	1.7
	1.0s	46.20nm		5.5mb			1.4s	82.35nm		5.5mb		ETOR	81.03	42 eP	57 51.88	0.8
UCC	76.14	32 P+	57 25.00	1.0		Z	22s	9.48um		6.1MsZ		DIX	81.14	33 ePd	57 52.40	0.6
BSD	76.22	24 iPc	57 25.50	1.0		ECH	79.30	32 P	57 40.72	-0.9		SVE	81.18	359 iPd	57 49.80	-1.6
	0.8s	32.00nm		5.5mb		BSF	79.46	32 eP	57 41.10	-1.5			1.2s	200.00nm		6.0mb
SNF	76.33	32 iPc	57 26.36	1.2			1.2s	61.30nm		5.5mb		Z	18s	3.50um		5.8MsZ
YONJ	76.52	305 P	57 25.60	-0.9		ZAK	79.51	332 ePd	57 41.40	-1.2		N	18s	1.70um		
LPAZ	76.58	127 Pd	57 25.50	-2.2			1.6s	50.00nm		5.3mb		E	18s	1.00um		
		i	57 27.20			Z	16s	1.48um		5.4MsZx				e	00 56.00	
		iCp	57 35.90			N	16s	1.94um						iS	07 58.00	
		PP	59 59.90			E	16s	1.46um						ePS	08 50.00	
		S	07 10.70					e	00 44.00			GEC2	81.19	28 P	57 50.30	-1.5
		SS	12 53.30					eS	07 48.00				0.9s	13.22nm		5.0mb
		PKKP	16 36.90					e	08 32.00			OBN	81.22	12 iPd-	57 50.20	-1.5
		e	19 28.90					e	12 48.00				1.2s	154.00nm		5.9mb
		i	22 46.00					e	16 20.00					e	00 57.00	
		e	24 44.90			BRG	79.54	27 iPd	57 42.00	-0.8				iS	08 01.00	
ENN	76.76	31 eP	57 27.00	-0.6			1.6s	120.00nm		5.6mb				i	08 46.00	
	1.0s	83.00nm		5.8mb		Z	19s	7.40um		6.0MsZ				ePS	09 08.00	
DOU	76.78	32 Pc	57 28.30	0.6		N	19s	5.90um				LPL	81.32	34 eP	57 51.90	-0.8
LPB	76.79	127 Pd	57 27.10	-1.5		E	19s	2.30um					1.1s	37.35nm		5.4mb
	1.0s	60.00nm		5.7mb				i	57 43.90			LPG	81.34	34 eP	57 52.20	-0.7
Z	20s	5.67um		5.9MsZ				eS	07 46.00				1.2s	50.60nm		5.5mb
		LR	24 40.00			EPLA	79.55	45 eP	57 44.66	-1.5		MMK	81.38	33 ePd	57 54.10	1.1
TKSJ	76.97	304 P	57 28.80	-0.2		MOF	79.58	32 P	57 42.15	-1.1		MOTA	81.52	30 iPd	57 53.00	-0.6
CNCB	77.07	127 Pd	57 28.90	-1.5		LPO	79.59	37 eP	57 41.80	-1.4		LSD	81.54	33 P	57 54.58	0.7
BNS	77.08	30 iP	57 28.00	-1.3			1.3s	50.20nm		5.3mb		RAC	81.58	25 iP+	57 55.80	2.2
	Z	16s	15.00um	6.4MsZx		GRF	79.60	29 iPd	57 42.90	-0.3				e(S)	08 10.00	
		iPc	57 31.10	10kmX			1.0s	58.00nm		5.5mb		ARU	81.61	360 iPd-	57 51.60	-2.0
SNY	77.45	316 Pd	57 31.00	-0.5		Z	18s	6.00um		6.0MsZ			1.5s	200.00nm		6.0mb
	1.4s	220.00nm		6.1mb				e(pP)	57 54.60	39kmX				e	57 56.00	
	Z	34s	6.14um	5.7MsZx				e(sP)	58 02.70					e	01 06.00	
E	13s	0.81um				CAF	79.79	37 eP	57 42.70	-1.7				eS	08 07.00	
		S	07 26.00				1.1s	47.60nm		5.4mb				ePS	08 50.00	
MFF	77.52	37 eP	57 30.50	-1.3		FEL	79.91	32 P	57 44.00	-1.0				eSSS	16 49.00	
	1.1s	75.20nm		5.7mb		BBS	80.05	32 P	57 44.99	-0.7		VDL	81.62	32 ePd	57 55.10	0.9
IRK	77.57	333 eP	57 30.00	-2.1		GUD	80.11	43 eP	57 46.68	0.4		EHOR	81.65	46 eP	57 55.09	0.9
	1.2s	64.00nm		5.6mb		SLE	80.18	31 ePd	57 45.30	-1.1		SQTA	81.66	30 iPd	57 53.90	-0.4
Z	18s	3.12um		5.7MsZ		KSP	80.33	25 ePd	57 46.20	-0.8			1.2s	61.90nm		5.6mb
N	19s	1.44um					1.3s	55.00nm		5.4mb		BNI	81.67	34 P	57 54.65	0.3
E	18s	1.50um				ZLA	80.38	32 ePd	57 46.30	-1.1			1.3s	32.70nm		5.3mb
		e	57 43.00			EPF	80.48	39 eP	57 46.50	-1.6		TMA	81.70	32 ePd	57 55.00	0.4
		eS	07 26.00				1.4s	36.15nm		5.2mb		WATA	81.70	30 iPd	57 53.90	-0.6
		e	08 00.00			PRU	80.49	27 iPd	57 46.80	-1.1		OSS	81.71	31 ePd	57 55.00	0.4
		eSS	12 22.00				1.2s	13.30nm		4.8mb		ORX	81.73	33 P	57 54.04	-0.6
WLF	77.74	32 iPc	57 34.88	2.0		Z	17s	3.30um		6.0MsZx		ORO	81.74	33 P	57 54.65	0.0
	2.3s	60.00nm		5.3mb		N	16s	4.70um					1.2s	90.10nm		5.7mb
BRNL	78.02	26 ePd	57 33.70	-0.8		E	17s	3.30um			WTTA	81.79	30 iPd	57 54.60	-0.4	
HYP	78.21	35 eP	57 34.40	-1.3				i	57 48.80				1.0s	28.60nm		5.3mb
LSF	78.53	36 eP	57 35.70	-1.7				s	07 53.70					i	58 00.00	
	1.2s	61.30nm		5.5mb				i	08 41.30					i	58 23.40	
CCH	78.62	126 P	57 37.30	-1.3				e	17 20.00			RRL	81.82	34 P	57 54.86	-0.5
LOR	78.72	34 eP	57 37.30	-1.2		DL2	80.60	315 Pd	57 48.00	-0.7		RSP	81.83	34 P	57 55.36	0.2
	1.3s	141.50nm		5.9mb			1.0s	89.00nm		5.7mb		BHG	81.85	29 eP	57 56.30	1.2
Z	18s	10.90um		6.2MsZ		Z	36s	4.28um		5.5MsZx		VAI	81.85	32 P	57 56.40	1.3
SSF	78.74	35 eP	57 37.30	-1.3		N	15s	1.06um					1.1s	85.60nm		5.8mb
	1.1s	55.20nm		5.5mb				S	07 59.00			OGA	81.89	30 eP	57 57.20	1.6
TCF	78.79	36 eP	57 37.30	-1.6		MNK	80.63	18 eP	57 44.00	-4.6X		OJC	81.95	24 eP	57 54.20	-1.4
	1.1s	73.50nm		5.6mb			Z	18s	5.00um	5.9MsZ				i	57 57.10	
VITF	78.83	32 P	57 38.38	-0.7				e	00 50.00					i	58 05.70	
CLL	78.85	27 iP	57 37.30	-1.8				eS	07 56.00					iS	08 14.00	
	1.5s	110.00nm		5.7mb		WET	80.64	28 iPc	57 48.40	-0.4		KMR	82.01	28 iP-	57 53.00	-2.9
Z	17s	5.00um		5.9MsZx		Z	15s	3.00um		5.8MsZx		BHB	82.09	34 P	57 55.64	-0.8
		eS	07 39.00			SIV	80.67	122 P	57 47.90	-1.5		EBAN	82.16	44 eP	57 58.93	2.0
BGF	78.86	35 eP	57 37.60	-1.6		MOS	80.76	11 eP	57 49.00	-0.2		PZZ	82.29	34 P	57 57.51	-0.1
	1.0s	58.80nm		5.6mb			2.0s	240.00nm		5.9mb		DOI	82.35	34 P	57 58.90	1.0
AVF	78.89	35 eP	57 37.70	-1.7		Z	18s	5.40um		5.9MsZ			0.1s	2.80nm		5.4mb
	1.0s	39.60nm		5.4mb		N	18s	6.20um				ELUQ	82.36	45 eP	58 00.00	2.0
LANF	78.93	31 P	57 39.22	-0.3		E	18s	2.00um				EBJA	82.46	43 eP	58 00.07	1.5
MOX	78.94	28 eP	57 38.70	-0.9				e	08 00.00			BJI	82.50	319 eP	57 58.00	-0.6
	1.6s	77.00nm		5.5mb		EGRA	80.82	40 eP	57 52.66	2.9			1.0s	11.00nm		5.0mb
Z	18s	6.80um		6.0MsZ		KAGJ	80.82	304 P	57 49.30	-0.7		Z	24s	2.23um		5.4MsZx
		eS	07 43.00			PAB	80.83	44 iPc	57 51.10	1.0		N	18s	1.62um		
LBF	79.00	34 eP	57 38.60	-1.4				iS	07 59.00					eS	08 16.00	
	1.4s	64.05nm		5.5mb		FUR	80.90	30 eP	57 49.60	-0.5				SS	13 40.00	

21d 05h

ECHE	82.50	42	eP	58 00.41	1.7
KBA	82.57	29	iPd	57 58.20	-0.9
			i	58 29.30	
VKA	82.57	27	eP	57 57.00	-1.9
	6.0s	1791.00nm		6.4mb	X
Z	17s	3.80um		5.8MszX	
		i	58 00.70		
		LR	37 25.00		
STV	82.60	34	P	57 58.57	-0.6
ENR	82.65	34	P	57 57.97	-1.5
YJA	82.71	129	ePc	57 59.20	-1.2
FVI	82.77	30	P	58 01.13	1.3
	0.9s	7.90nm		4.9mb	
CTI	82.82	31	P	58 01.00	0.7
	1.3s	49.10nm		5.5mb	
LRG	82.83	35	eP	57 58.60	-1.7
Z	22s	9.93um		6.1Msz	
CKI	82.84	33	P	58 01.60	1.3
	1.1s	43.80nm		5.6mb	
PCP	82.86	33	P	58 00.44	0.0
FRF	82.87	35	eP	57 59.10	-1.4
	1.4s	59.25nm		5.6mb	
ZST	82.89	26	iP	58 01.70	1.2
ECOG	82.94	45	eP	58 02.04	0.9
SBF	82.96	34	eP	57 59.30	-1.7
	1.1s	30.05nm		5.4mb	
FIN	82.99	34	P	57 59.44	-1.7
LMR	83.00	35	eP	57 59.70	-1.4
	1.3s	33.20nm		5.4mb	
EHUE	83.04	44	eP	58 03.24	1.7
IMI	83.11	34	P	57 59.39	-2.4
GUA	83.23	282	eP	58 00.60	-2.1
	1.2s	162.50nm		6.1mb	
GUMO	83.23	282	eP	58 00.20	-2.5
	1.3s	98.00nm		5.9mb	
EGUA	83.27	45	eP	58 04.80	2.1
LVV	83.51	21	iP	58 06.00	2.3
Z	20s	10.90um		6.2Msz	
N	17s	5.00um			
E	17s	4.50um			
		e	01 23.00		
		iS	08 28.00		
ACU	83.61	42	eP	58 06.80	2.4
SRO	83.62	26	eP	58 07.20	3.0
VOY	83.66	29	eP	58 03.10	-1.5
AVE	83.80	50	eP	58 06.00	0.6
LJU	83.88	29	ePd	58 05.00	-0.6
		eS	08 28.00		
ENIJ	83.88	44	eP	58 06.78	1.0
TRI	83.89	29	eP	58 04.20	-1.4
PSZ	84.02	25	ePd	58 06.50	0.1
HHC	84.04	322	Pd	58 06.20	-0.5
	1.2s	24.00nm		5.3mb	
Z	28s	2.22um		5.4MszX	
N	20s	2.08um			
E	21s	2.97um			
		PP	01 19.00		
UZH	84.10	23	ePd-	58 06.20	-0.4
	1.2s	155.00nm		6.1mb	
		e	01 24.00		
		iS	08 30.00		
		ePS	09 30.00		
		eSS	13 55.00		
PII	84.33	32	P	58 06.84	-1.0
	0.9s	66.70nm		5.9mb	
PTJ	84.50	28	eP	58 07.60	-1.2
TGT	84.54	48	iP	58 10.00	0.9
FIR	84.57	32	eP	58 09.00	-0.1
		eS	08 38.00		
ZAG	84.58	28	eP	58 10.00	0.9
VBY	84.60	29	eP	58 08.80	-0.4
		iPP	58 10.80	6kmX	
		iPP	58 20.20		
PGD	84.67	32	P	58 09.64	-0.2
	0.9s	1.00nm		4.0mb	X
SFI	84.68	32	P	58 10.09	0.5
	1.2s	273.30nm		6.4mb	
PGF	84.69	34	eP	58 08.40	-1.5
	1.4s	57.95nm		5.6mb	
SLA	84.71	130	e(P)	58 09.00	-1.1
RSM	84.91	31	P	58 13.01	2.3
	1.3s	336.40nm		6.4mb	
IFR	84.92	48	eP	58 16.00	4.7X
BTO	84.94	323	eP	58 08.00	-3.2X
N	16s	0.54um			
E	18s	2.01um			
		PP	01 25.00		

CRE	84.97	32	P	58 10.81	-0.4
	1.2s	58.10nm		5.7mb	
TIA	84.97	316	eP	58 10.10	-1.2
	1.0s	60.00nm		5.8mb	
Z	38s	7.57um		5.8MszX	
N	16s	0.94um			
E	16s	1.36um			
		S	08 44.00		
TZK	85.01	47	iP	58 12.50	1.1
ARV	85.46	31	P	58 13.67	0.1
	1.3s	278.10nm		6.3mb	
TIO	85.62	51	iP	58 15.00	0.2
ASS	85.72	31	P	58 14.18	-0.8
	1.2s	103.90nm		5.9mb	
TIY	86.14	320	eP	58 13.00	-4.1X
Z	19s	2.46um		5.6Msz	
N	13s	1.02um			
		PP	01 34.00		
		S	08 52.00		
MNS	86.31	32	P	58 17.04	-0.8
	1.7s	187.10nm		6.0mb	
AQU	86.61	31	P	58 20.79	1.4
	0.9s	106.70nm		6.0mb	
SSE	86.64	310	Pd	58 18.00	-1.6
	1.2s	100.00nm		5.9mb	
Z	20s	1.40um		5.4Msz	
N	14s	0.40um			
E	14s	0.40um			
		sS	09 00.00		
PTT	86.78	21	eP	58 18.00	-2.1
RTRS	86.89	136	e(P)	58 20.00	-0.5
NJ2	87.23	312	Pd	58 22.00	-0.4
	1.0s	26.00nm		5.4mb	
Z	16s	0.93um		5.3MszX	
N	15s	1.60um			
E	15s	1.14um			
		PP	01 45.00		
		S	09 03.00		
SDI	87.33	31	P	58 21.95	-0.9
	1.1s	56.80nm		5.7mb	
KIS	87.34	19	iP-	58 22.00	-0.7
Z	16s	3.00um		5.8MszX	
E	18s	1.10um			
		i	01 46.00		
		eS	08 44.00		
		e	09 00.00		
		ePS	10 03.00		
DUI	87.61	31	P	58 24.81	0.6
	0.1s	4.80nm		5.7mb	
MLR	87.99	22	eP	58 25.00	-1.1
RTCB	88.28	137	ePc	58 26.70	-0.7
CFA	88.66	136	e(P)	58 28.10	-1.0
CFR	88.87	21	eP	58 29.00	-1.1
SGO	88.89	31	P	58 29.53	-0.7
	1.1s	43.10nm		5.6mb	
BAO	89.06	112	eP	58 32.00	0.5
BUC1	89.07	22	ePd	58 33.00	1.9
MGR	89.35	31	P	58 30.87	-1.6
	1.1s	60.90nm		5.8mb	
SOB1	89.66	103	eP	58 34.10	-0.2
ORI	89.75	31	P	58 34.00	-0.4
	0.2s	31.60nm		6.2mb	
SKO	89.83	26	iP	58 35.00	0.3
	1.1s	60.00nm		5.7mb	
Z	18s	4.21um		5.9Msz	
		e	02 08.00		
		LR	40 21.00		
WMQ	90.15	339	Pd	58 36.00	-0.3
	1.0s	58.00nm		5.8mb	
Z	22s	2.86um		5.7Msz	
N	18s	1.99um			
E	17s	2.84um			
		PP	02 14.00		
		SKS	09 08.60		
		S	09 29.50		
		sS	09 38.40		
		eSS	15 33.20		
GTA	90.18	329	eP	58 35.50	-1.1
	1.5s	35.00nm		5.4mb	
Z	24s	4.09um		5.8MszX	
N	13s	1.02um			
		pP	58 40.00	14kmX	
		sP	58 43.00		
		PP	02 12.00		
		SKS	09 10.00		
		S	09 30.00		

		sS	09 38.00		
OHR	90.38	27	iP	58 37.50	0.1
	1.1s	100.00nm		6.0mb	
SIM	90.50	17	eP	58 38.00	0.2
		eS	09 32.00		
XAN	90.78	320	P	58 38.00	-1.3
	1.0s	31.00nm		5.6mb	
Z	25s	2.24um		5.5MszX	
N	14s	1.37um			
		PP	02 12.00		
		SKS	09 06.00		
		S	09 38.00		
WHN	90.83	314	eP	58 38.20	-1.3
	1.0s	36.00nm		5.6mb	
Z	24s	1.35um		5.3MszX	
E	13s	0.61um			
		PP	02 18.00		
		SKS	09 08.00		
		S	09 38.00		
GMB	91.17	32	P	58 41.29	0.1
	1.3s	49.40nm		5.7mb	
ANN	91.20	15	eP	58 40.00	-1.0
Z	16s	3.50um		5.9MszX	
E	16s	4.00um			
		e	09 14.00		
		eS	09 40.00		
		ePS	10 52.00		
PPD	91.34	119	eP	58 40.70	-1.1
LZH	91.39	324	eP	58 42.50	0.3
	1.4s	96.00nm		5.9mb	
Z	25s	2.89um		5.6MszX	
E	15s	1.37um			
		PP	02 20.00		
DZM	91.88	242	iPc	58 45.00	0.6
QZH	92.78	308	eP	58 48.00	-0.5
		sS	09 56.00		
SOC	92.89	13	eP	58 48.00	-0.8
Z	17s	3.00um		5.8MszX	
N	16s	2.00um			
E	16s	0.80um			
		e	02 30.00		
		eS	09 25.00		
		ePS	11 10.00		
PYA	92.96	11	iP	58 50.00	0.8
	1.3s	150.00nm		6.3mb	
Z	18s	4.00um		5.9Msz	
N	18s	4.50um			
E	18s	1.00um			
		i	02 34.00		
		iS	09 20.00		
FRU	93.88	348	eP	58 52.60	-0.8
	2.0s	60.00nm		5.6mb	
		e	02 46.00		
		e	11 23.00		
GRO	93.97	9	eP	58 52.00	-1.7
		e	11 19.00		
CD2	95.80	322	eP	59 00.00	-2.5
Z	21s	1.91um		5.5Msz	
E	16s	1.87um			
		PP	02 52.00		
		S	10 16.00		
KSH	96.94	346	eP	59 07.00	-0.6
Z	20s	3.23um		5.8Msz	
N	15s	3.34um			
E	14s	3.04um			
		PP	03 07.00		
GZH	97.24	310	P	59 12.00	3.0X
GYA	98.11	317	P	59 14.00	1.0
	Z	32s	3.11um		
	N	20s	2.28um		
	E	20s	1.61um		
		PP	03 15.00		
		SKS	09 51.00		
ASH	100.07	360	ePdiff59	24.00	2.6X
LSA	102.05	331	ePdiff59	32.00	1.0
Z	22s	1.88um		5.6Msz	
E	17s	1.19um			
		ePP	03 44.00		
WB5	113.00	264	ePKP	04 11.30	-2.5X
WB2	113.05	264	ePKPc	04 11.80	-2.1
	1.2s	2.10nm			
		ePKKP	15 07.70		
WRA	113.06	264	PKP	04 12.20	-1.8
	0.7s	2.80nm			

FL2	3.83	356	P	15	44.70	0.6
YEL	3.84	358	P	15	45.21	0.9
NLO	3.86	345	P	15	45.18	0.8
PATW	3.86	24	P	15	45.74	1.3
SOSW	3.87	359	P	15	45.22	0.6
STD	3.87	358	P	15	45.46	0.8
ERK	3.94	357	P	15	45.93	0.3
TDL	3.98	358	P	15	47.00	0.8
NTYM	4.01	187	(P)	15	46.17	-0.3
CZM	4.08	355	P	15	50.21	2.8X
PRW	4.19	23	P	15	50.06	1.1
BMW	4.19	348	eP	15	48.38	-0.8
GLK	4.20	4	P	15	51.10	1.8
HMR	4.22	178	(P)	15	54.92	5.5X
YAKW	4.28	14	P	15	53.63	3.2X
LMW	4.30	357	P	15	51.54	0.8
WPW	4.34	4	P	15	52.91	1.6
BRVW	4.36	19	P	15	52.71	1.2
RSW	4.38	23	P	15	52.86	1.1
LON	4.38	2	eP	15	52.14	0.3
MXC	4.38	16	P	15	53.06	1.3
LNOR	4.41	36	P	15	52.71	0.5
ZSP	4.43	183	iP	15	53.64	1.2
NAC	4.44	11	P	15	54.11	1.4
REMR	4.45	1	P	15	54.03	1.1
BKS	4.49	182	eP	15	53.79	0.4
RCS	4.50	2	P	15	55.22	1.4
WIW	4.50	25	P	15	54.11	0.7
CMB	4.51	163	eP	15	55.23	1.6
			eS	17	02.18	
MDW	4.54	20	P	15	54.54	0.6
FMV	4.57	3	P	15	56.03	1.5
PWC	4.57	0	P	15	55.23	0.7
MJ2	4.59	23	P	15	55.98	1.3
GBL	4.60	22	P	15	56.05	1.2
EBG	4.65	12	P	15	57.02	1.4
CPW	4.67	350	P	15	56.44	0.5
BVW	4.69	18	P	15	57.59	1.4
LOCW	4.72	22	P	15	57.45	0.9
WAH2	4.72	21	P	15	57.33	0.8
ET3	4.74	27	P	15	57.37	0.4
OT2	4.78	24	P	15	58.32	0.9
CRF	4.83	22	P	15	58.29	0.2
GSM	4.83	2	P	16	00.22	1.9
TWW	4.83	9	P	16	00.91	2.6
JEGM	4.86	184	eP	16	00.78	2.1
ARN	5.03	176	eP	16	01.28	0.3
WRD	5.03	23	P	16	01.19	0.2
MHC	5.03	177	eP	16	05.45	4.3X
RMW	5.09	2	eP	16	02.02	0.1
COE	5.11	177	eP	16	03.83	1.6
GMW	5.21	354	eP	16	02.68	-0.8
BONR	5.25	146	eP	16	05.74	1.4
MEMM	5.26	152	(P)	16	06.07	1.9
MMPM	5.28	153	ePc	16	06.63	1.8
MRCM	5.41	149	ePc	16	08.46	1.9
			eS	17	38.29	
HTW	5.43	2	P	16	07.42	0.7
OOW	5.58	345	P	16	09.85	1.0
SAO	5.62	175	eP	16	10.21	0.9
TNP	5.64	138	eP	16	10.48	0.7
FRI	5.66	161	iP	16	11.64	1.8
MTUM	5.67	151	eP	16	11.10	0.9
DPW	6.12	25	eP	16	14.40	-2.0
MCW	6.34	355	eP	16	18.69	-0.7
NEW	6.82	29	eP	16	24.80	-1.5
HVC	6.90	92	(P)	16	28.57	1.1
MCMT	7.09	67	iPc	16	28.70	-1.5
HHAI	7.14	79	eP	16	32.85	2.0
ISA	7.24	157	eP	16	32.96	0.8
DUG	7.26	104	eP	16	31.40	-1.1
BCH	7.33	168	eP	16		

GLD	12.94	96	eP	17	48.97	-1.5			1.0s	20.00nm	5.1mb	NCOR	1.53	27	P	26	01.39	-0.6		
RSSD	13.22	76	(P)	17	52.15	-2.1				i	26	54.80			S	26	22.61			
TUC	13.43	135	eP	18	00.14	3.3X	GRF	79.57	29	ePd	26	51.90	-0.5	KSCM	1.53	271	P	26	02.12	0.1
ACO	18.50	100	iPd	19	01.60	-0.2			1.5s	44.00nm	5.2mb	LGPM	1.53	201	eP	26	00.37	-1.6		
ULM	19.62	57	eP	19	16.00	0.8	CAF	79.77	37	eP	26	51.60	-1.9		eS	26	21.08			
WMOK	19.66	105	ePd	19	14.64	-1.1			0.9s	8.50nm	4.7mb	LHCM	1.60	164	P	26	03.14	0.2		
	1.0s	58.34nm			4.8mb		PRU	80.47	27	eP	26	49.30	-7.8X	WDC	1.80	191	eP	26	05.31	-0.4
LTX	19.70	125	eP	19	14.85	-1.5				i	26	56.50		TCO	1.80	12	P	26	04.96	-0.9
MEO	19.78	105	iPc	19	17.50	0.5				e	27	41.00		KHBM	1.88	207	P	26	07.92	0.8
YKA	20.63	10	eP	19	23.00	-2.6	SIV	80.65	122	P	26	56.30	-2.3	LCFM	1.91	167	P	26	08.69	1.1
	0.8s	16.30nm			4.4mb		KHC	80.88	28	eP	26	58.50	-0.9	KHMM	1.91	220	P	26	11.67	4.1X
TUL	21.29	99	iP	19	33.40	0.8	GEC2	81.16	28	P	26	59.40	-1.5	LDBM	1.93	173	P	26	09.18	1.5
MIAR	23.52	100	eP	19	53.75	-1.0			0.8s	2.14nm	4.2mb	LRDM	1.94	165	P	26	09.10	1.2		
	1.0s	29.26nm			4.8mb		LPL	81.29	34	eP	27	00.80	-1.1	LSLM	1.96	167	P	26	08.21	0.1
FCC	23.89	37	eP	20	05.00	6.9X			0.8s	4.15nm	4.5mb	RNO	1.97	323	P	26	08.69	0.4		
TOA	24.42	332	eP	20	05.60	2.3	LPG	81.32	34	eP	27	01.10	-1.0	FBO	1.99	350	P	26	07.56	-1.1
FVM	24.45	90	eP	20	02.04	-1.7	TIA	84.98	316	eP	27	18.50	-2.1		S	26	35.00			
	1.2s	62.93nm			5.1mb		TIY	86.14	320	eP	27	22.60	-3.9X	LHKM	2.01	162	P	26	10.06	1.1
PMR	25.16	329	eP	20	09.62	-0.7	NJ2	87.24	312	eP	27	30.60	-1.2	MIN	2.03	169	P	26	10.69	1.4
	0.8s	53.91nm			5.3mb		WMQ	90.15	339	Pd	27	45.10	-0.5	FHC	2.09	223	eP	26	10.19	0.2
LST	25.50	92	eP	20	11.72	-2.1			1.2s	28.00nm	5.4mb	KPPM	2.21	206	P	26	13.96	2.0		
ELC	25.59	90	eP	20	11.95	-2.6	GTA	90.19	329	eP	27	44.50	-1.4	LCMM	2.24	169	P	26	16.42	4.1X
CF2	26.20	327	eP	20	20.44	0.1			1.5s	13.00nm	5.0mb	GMO	2.25	21	P	26	13.07	0.6		
OXF	26.59	96	ePd	20	22.17	-1.7	XAN	90.79	320	P	27	47.60	-1.1	BPO	2.32	7	P	26	12.81	-0.7
INK	26.71	350	eP	20	23.50	-1.2			1.2s	13.00nm	5.1mb	MPOR	2.40	334	P	26	14.64	0.1		
	1.0s	4.00nm			4.1mb		LZH	91.39	324	eP	27	50.80	-0.8		S	26	48.18			
FBA	26.88	336	e																	

21d 06h

HQN	2.96	43	eP	31	15.33	0.3	IMA	10.11	334	eP	32	55.30	-0.2	LBKM	1.31	197	P	54	38.24	-0.8
PCA	3.06	25	eP	31	17.00	0.6	S.D. = 0.8 on 77 of 77 obs.							HSO	1.37	330	P	54	38.50	-1.5
YAH	3.06	10	eP	31	17.47	0.8	SEP 21, 1993 06h 49m 00.48± 0.91s								S			54	57.41	
			eS	31	49.12		39.468 N ± 7.9km 21.511 E ± 8.2km							KSX	1.38	249	P	54	39.50	-0.7
YAH	3.06	10	eP	31	17.39	0.7	DEPTH = 10.0km (geophysicist)							KOMM	1.44	223	P	54	41.56	0.5
HMT	3.07	347	eP	31	17.07	0.5	GREECE (364)							HBO	1.51	355	P	54	40.87	-1.1
BCFM	3.09	32	iP	31	17.37	0.5									S			55	00.62	
WAX	3.10	0	eP	31	17.24	0.2	KZN	0.86	13	ePg	49	17.00	-0.1	LGPM	1.52	200	eP	54	41.25	-0.9
			eS	31	49.51		LSK	0.98	314	ePn	49	20.50	1.4	NCOR	1.55	28	P	54	41.41	-1.3
CRQM	3.41	358	eP	31	21.62	0.1	SRN	1.24	290	ePn	49	23.30	-0.1		S			55	03.27	
			eS	31	57.70		KEK	1.35	281	ePn	49	24.70	-0.5	WDC	1.78	190	eP	54	45.56	-0.3
CVA	3.53	336	eP	31	22.71	-0.3	TPE	1.42	306	iPnd	49	25.60	-0.7	TCO	1.81	13	P	54	45.16	-1.3
			eS	32	01.02		VLS	1.48	209	ePb	49	22.10	-5.0X	LDBM	1.93	172	P	54	52.84	4.8X
HIN	3.58	330	eP	31	24.61	0.7	OHR	1.73	342	ePn	49	33.30	2.5X	RNO	1.95	324	P	54	49.13	0.8
			eS	32	04.27		VLO	1.84	303	ePn	49	38.60	6.2X		S			55	15.29	
BALM	3.69	4	iP	31	25.78	0.2	SKO	2.50	359	ePn	49	41.50	-0.4	FBO	1.99	351	P	54	47.96	-1.0
			eS	32	05.30		VLI	2.97	157	ePb	49	48.70	0.2		S			55	14.74	
CTGM	3.70	12	iP	31	25.84	0.2	S.D. = 0.9 on 7 of 10 obs.							GMO	2.27	22	P	54	53.12	0.0
			eS	32	06.09		SEP 21, 1993 06h 49m 42.36± 0.59s							BPO	2.33	8	P	54	54.91	0.9
SIT	4.11	91	eP	31	28.72	-2.5	39.303 N ± 6.0km 21.521 E ± 4.4km							MPOR	2.39	335	P	54	55.52	0.8
			eS	32	13.04		DEPTH = 6.0 ± 3.7 km							KMPM	2.43	218	eP	54	56.93	1.7
GLB	4.12	354	eP	31	31.46	-0.1	3.6mb (1 obs.)							VIPM	2.44	27	P	54	53.81	-1.6
			eS	32	15.65		GREECE (364)							VBEM	2.75	8	P	55	02.17	2.3
VLZ	4.18	336	eP	31	31.62	-0.7	ML 3.6 (THE), 3.5 (ATH), 3.5 (TIR).							CROR	2.77	17	P	55	03.90	3.8X
			eS	32	15.87									GT2	2.81	358	P	55	02.49	1.8
SEW	4.40	311	eP	31	34.89	-0.5	AGG	0.69	114	iPg	49	56.30	0.1	ORV	2.83	170	eP	55	00.27	-0.6
			eS	32	22.31		IGT	0.95	284	ePg	49	58.41	-2.4	TDH	2.96	5	P	55	04.63	1.8
KLU	4.43	341	eP	31	35.26	-0.7	KZN	1.02	11	ePg	50	01.80	-0.3	TKO	3.17	343	P	55	08.89	3.2X
			eS	32	22.85		LIT	1.09	43	iPb	50	03.53	0.3	VGB	3.32	17	eP	54	59.24	-8.7X
PWL	4.50	323	eP	31	35.99	-0.9	LSK	1.10	320	iPn	50	02.50	-1.0	LON	4.41	3	(P)	55	17.26	-6.1X
			eS	32	24.99		SRN	1.31	297	ePn	50	08.30	1.4	S.D. = 1.2 on 27 of 33 obs.						
CFI	4.59	329	eP	31	37.54	-0.5	VLS	1.34	213	ePb	50	07.30	-0.2	SEP 21, 1993 07h 06m 37.22± 0.29s						
			eS	32	28.07		KEK	1.39	288	ePg	50	09.60	1.3	42.229 N ± 2.3km 122.130 W ± 5.6km						
MPA	4.60	316	iP	31	37.90	-0.4	FNA	1.48	356	ePb	50	09.90	0.3	DEPTH = 5.0km (geophysicist)						
			eS	32	27.73		TPE	1.53	311	ePn	50	09.20	-1.0	OREGON (32)						
TZL	4.87	346	eP	31	42.62	0.4	PAIG	1.78	69	ePb	50	12.74	-1.1	ML 3.4 (GS), 3.1 (BRK). MD 2.9 (SEA).						
CNPM	4.91	300	eP	31	42.53	-0.2	GRG	1.78	22	ePb	50	15.00	1.1							
SLKM	4.95	313	eP	31	42.81	-0.5	OHR	1.89	343	iPn	50	17.50	2.0	LHEM	0.60	186	P	06	49.52	0.2
			eS	32	37.40									YBH	0.66	221	ePc	06	50.06	-0.3
SCM	5.03	335	eP	31	44.14	-0.3									eS			07	00.30	
TOA	5.04	342	P	31	44.50	-0.1	VLO	1.95	307	ePn	50	21.50	5.3X	LGMM	0.67	161	P	06	50.45	-0.1
XLV	5.11	298	eP	31	45.46	-0.1	SOH	2.07	42	ePn	50	18.42	0.3	LMHM	0.74	151	P	06	51.15	-0.9
HOM	5.15	300	eP	31	46.52	0.4	KNT	2.14	29	ePn	50	18.54	-0.5	LMPM	0.74	182	P	06	51.95	-0.1
PMS	5.19	321	P	31	45.70	-1.0	OUR	2.16	61	ePn	50	19.02	-0.3	LASM	0.75	147	P	06	50.97	-1.5
KDC	5.21	278	eP	31	47.08	0.2	ATH	2.17	127	ePb	50	21.10	1.6	LGBM	0.88	183	P	06	54.66	-0.2
SYI	5.23	288	eP	31	47.94	0.8	TIR	2.40	329	ePn	50	30.00	7.2X	LBFM	0.90	168	eP	06	54.54	-0.5
SML	5.26	330	eP	31	47.26	-0.4								LPDM	1.08	162	P	06	57.79	-0.3
PLRM	5.31	326	eP	31	48.23	-0.1	SRS	2.41	41	ePn	50	22.04	-0.9	DBO	1.21	318	P	06	58.94	-1.3
PMR	5.31	326	eP	31	47.73	-0.6	SKO	2.67	359	iPn	50	28.00	1.4		S			07	15.99	
			eS	32	45.69		LACI	2.71	330	ePn	50	31.70	4.5X	LBKM	1.21	199	P	06	59.50	-0.8
GHO	5.39	328	eP	31	50.15	0.5	VLI	2.81	156	ePb	50	31.40	2.7X	KSX	1.36	254	P	07	02.34	-0.6
NKA	5.50	312	eP	31	52.53	1.6	SDA	3.15	331	ePn	50	40.50	7.2X	KOMM	1.37	227	P	07	03.57	0.5
PWA	5.59	323	P	31	49.50	-2.8	RDO	3.58	58	ePn	50	38.50	-1.1	LGPM	1.42	202	eP	07	02.81	-1.0
SUA	5.76	319	eP	31	53.74	-1.0	ALN	3.82	64	iPn	50	42.14	-0.8	HSO	1.48	332	P	07	02.90	-1.7
AUE	5.89	294	eP	31	57.13	0.7	HVAR	5.44	317	e(Pn)	51	06.30	0.3		S			07	23.80	
OPT	5.90	297	eP	31	57.16	0.4	PSZ	8.69	353	ePc	51	50.40	-1.2	HBO	1.62	355	P	07	05.26	-1.4
AUI	5.91	294	eP	31	57.47	0.7	EKA	22.99	322	Pd	54	47.70	-0.9		S			07	27.68	
AUP	5.91	294	eP	31	57.64	0.7								NCOR	1.64	26	P	07	05.96	-1.1
AGU	5.92	294	eP	31	58.94	2.0								WDC	1.68	191	eP	07	06.79	-0.5
AUH	5.92	294	eP	31	58.83	1.8								LCFM	1.80	165	P	07	10.25	0.8
AUL	5.92	294	eP	31	57.71	0.7								LRDM	1.83	164	P	07	11.15	1.5
CDD	5.93	290	eP	31	58.09	1.0								LSLM	1.85	166	P	07	10.64	0.7
ILIM	5.93	302	eP	31	56.54	-0.5								LHKM	1.90	160	P	07	12.23	1.4
AUW	5.94	294	eP	31	58.38	1.2								TCO	1.92	11	P	07	09.53	-1.5
INE	6.14	301	eP	31	57.50	-0.2								FHC	1.99	225	eP	07	13.37	1.4
RED	5.98	305	eP	31	58.13	0.2								RNO	2.05	326	P	07	13.15	0.3
REF	5.99	306	eP	31	57.91	-0.1								FBO	2.11	351	P	07	13.00	-0.6
RDW	6.03	305	eP	31	58.48	-0.2									S			07	40.54	
SPU	6.07	313	eP	31	58.86	-0.3								KKPM	2.27	204	P	07	20.86	4.8X
BKG	6.09	312	iP	31	58.93	-0.5								GMO	2.37	21	P	07	17.27	-0.3
NCT	6.12	306	eP	31	59.95	0.1								BPO	2.44	7	P	07	19.63	1.0
CGLM	6.13	314	eP	31	59.59	-0.4								MGL	2.45	170	P	07	19.29	0.6
CKT	6.14	313	eP	32	00.05	-0.1								MPOR	2.50	336	P	07	19.83	0.5
CKN	6.15	313	eP	31	59.90	-0.3								VIPM	2.53	25	P	07	18.61	-1.2
DHY	6.16	340	eP	32	00.27	-0.1								SSOR	2.64	355	P	07	19.92	-1.3
CRP	6.16	313	eP	32	00.11	-0.4								ORV	2.71	170	eP	07	22.63	0.3
CP2	6.20	313	ePc	32	00.59	-0.4								VBEM	2.86	8	P	07	26.72	2.3
NCG	6.24	314	eP	32	01.56	0.0								GT2	2.93	358	P	07	26.91	1.6
BGL	6.25	313	eP	32	01.45	-0.3								VGB	3.43	16	eP	07	31.84	-0.6
CUT	6.28	327	eP	32	01.77	-0.3								KMOR	3.54	344	P	07	36.79	2.7
SKT	6.38	320	eP	32	02.71	-0.8								ASR						

21d 07h

MMPM 5.19 152 (P) 07 57.76 0.0
 HHAI 7.26 78 (P) 08 32.48 5.9X
 EMUT 8.89 102 (P) 08 59.33 9.8X
 S.D. = 1.2 on 43 of 46 obs.

* SEP 21, 1993 07h 16m 43.03± 2.38s
 42.246 N ±15.9km 122.007 W ±10.6km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 3.0 (GS). MD 2.4 (SEA).

LHEM 0.64 194 P 16 56.47 0.7
 LGMM 0.66 169 P 16 56.49 0.3
 LMHM 0.72 159 P 16 57.95 0.6
 LASM 0.72 153 P 16 57.11 -0.4
 LMPM 0.77 189 P 16 58.52 0.0
 LBFM 0.90 174 eP 17 00.64 -0.3
 LGBM 0.91 189 P 17 01.20 0.1
 LBKM 1.26 203 P 17 06.32 -0.7
 KOMM 1.45 229 P 17 09.80 -0.2
 KSXM 1.45 254 P 17 10.65 0.6
 LGPM 1.47 205 eP 17 09.30 -1.0
 es 17 29.44

WDC 1.71 194 eP 17 13.73 0.1
 FHC 2.07 226 (P) 17 25.88 7.0X
 KMPM 2.42 222 (P) 17 24.30 0.3
 ORV 2.72 172 (P) 17 31.07 2.9X
 S.D. = 0.6 on 13 of 15 obs.

SEP 21, 1993 07h 17m 33.81± 0.55s
 42.259 N ± 4.3km 122.134 W ± 9.4km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 2.9 (GS). MD 2.6 (SEA).

LBFM 0.93 169 eP 17 52.58 0.4
 DBO 1.19 317 P 17 55.38 -1.1
 LGPM 1.44 201 eP 18 00.59 -0.2
 es 18 19.90
 HSO 1.45 331 P 17 59.79 -1.0
 S 18 19.16
 HBO 1.59 355 P 18 02.17 -0.7
 S 18 23.62
 NCOR 1.62 27 P 18 02.55 -0.7
 S 18 24.56
 WDC 1.71 190 (P) 18 04.13 -0.2
 TCO 1.89 12 P 18 07.43 0.2
 FHC 2.01 224 (P) 18 14.53 5.7X
 RNO 2.03 325 P 18 10.26 1.2
 FBO 2.07 351 P 18 09.92 0.1
 S 18 36.58

BPO 2.41 8 P 18 16.03 1.2
 MPOR 2.47 336 P 18 16.82 1.3
 VIPM 2.50 26 P 18 15.41 -0.6
 S.D. = 0.9 on 13 of 14 obs.

% SEP 21, 1993 07h 19m 37.00± 0.62s
 40.658 N ± 6.2km 29.107 E ± 4.8km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.9 (ISK).

ISK 0.41 355 iPg 19 45.10 -0.2
 HRT 0.46 69 iPg 19 46.00 -0.3
 esg 19 52.00
 KCT 0.70 235 iPg 19 50.50 -0.4
 iSg 20 01.50
 CTT 0.71 314 ePg 19 51.00 0.0
 esg 20 00.00
 GPA 0.99 112 ePn 19 56.10 0.3
 EDC 1.00 252 iPg 19 56.00 0.1
 DMK 1.54 319 ePn 20 05.00 0.4
 S.D. = 0.4 on 7 of 7 obs.

SEP 21, 1993 07h 28m 16.37± 0.26s
 42.376 N ± 2.3km 122.074 W ± 4.0km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 3.8 (GS). 3.7 (BRK). MD 3.4 (SEA).

YBH 0.80 217 ePc 28 30.41 -2.0
 es 28 41.36
 LASM 0.86 154 P 28 32.41 -1.1
 LMPM 0.89 184 P 28 33.13 -0.9
 LGBM 1.03 185 P 28 35.72 -0.8
 LBFM 1.04 172 ePc 28 35.81 -0.8

DBO 1.14 311 P 28 35.89 -2.3
 LPDM 1.21 166 P 28 39.09 -0.4
 HSO 1.37 327 Pc 28 40.09 -2.1
 KSXM 1.45 249 P 28 41.77 -1.6
 NCOR 1.49 27 P 28 43.24 -0.8
 KOMM 1.50 224 P 28 43.36 -0.8
 KSCM 1.55 270 P 28 44.22 -0.6
 LGPM 1.57 201 ePc 28 43.24 -1.8
 KRMM 1.61 239 P 28 47.18 1.5
 LHCM 1.62 165 P 28 45.77 -0.1
 TCO 1.77 11 P 28 46.84 -1.1
 WDC 1.83 191 eP 28 47.68 -1.0
 S 29 10.04

KRPM 1.90 231 P 28 51.79 2.0
 KHBM 1.92 207 P 28 51.11 0.9
 LCFM 1.93 167 P 28 51.16 0.7
 LDBM 1.95 174 P 28 51.79 1.1
 RNO 1.96 322 Pc 28 50.15 -0.5
 LRDM 1.96 166 P 28 51.90 1.2
 FBO 1.97 349 P 28 49.60 -1.2
 LSLM 1.98 168 P 28 51.81 0.8
 KGMM 2.01 217 P 28 52.49 1.0
 MIN 2.06 170 eP 28 52.31 0.1
 FHC 2.13 223 eP 28 54.90 1.8
 KPPM 2.25 206 P 28 55.40 0.4
 BPO 2.29 7 P 28 56.42 0.8
 VIPM 2.38 26 P 28 55.56 -1.3
 MPOR 2.38 334 P 28 57.16 0.3
 KMPM 2.49 219 eP 28 57.85 -0.4
 SSOR 2.50 354 P 28 57.28 -1.1
 KJJM 2.71 219 P 29 02.57 1.1
 OGOM 2.74 173 P 29 03.48 1.7
 GT2 2.78 357 P 29 02.28 -0.2
 ORV 2.85 171 eP 29 03.62 0.2
 TDH 2.92 4 P 29 06.56 2.1
 PGO 3.10 355 P 29 09.27 2.4
 TKO 3.16 342 P 29 09.08 1.4
 VGB 3.28 16 eP 29 10.02 0.6
 SHW 3.82 358 (P) 29 16.71 -0.5
 es 30 11.67

BMW 4.18 349 eP 29 24.60 2.3
 GLK 4.20 4 P 29 23.19 0.6
 LPW 4.34 5 P 29 25.09 0.5
 LON 4.38 2 eP 29 24.79 -0.3
 CMB 4.52 163 (P) 29 28.03 0.9
 ARN 5.04 175 (P) 29 33.83 -0.6
 RMW 5.09 2 (P) 29 36.74 1.6
 GMW 5.20 355 (P) 29 35.28 -1.4
 BONR 5.28 146 eP 29 37.89 -0.2
 TNP 5.67 137 eP 29 43.87 0.3
 HVU 6.94 92 eP 30 01.26 -0.2
 MCMT 7.13 67 eP 29 59.10 -5.0X
 HHAI 7.19 79 (P) 30 11.05 6.3X
 DUG 7.31 104 eP 30 04.99 -1.5
 ARUT 8.05 122 eP 30 16.16 -0.7
 GSC 8.17 148 (P) 30 18.66 0.1
 MSU 8.48 114 (P) 30 22.49 -0.5
 PV09 10.60 107 (P) 30 52.87 0.7
 S.D. = 1.2 on 59 of 61 obs.

SEP 21, 1993 07h 35m 35.92± 0.84s
 51.926 N ±10.3km 178.081 W ± 4.0km
 DEPTH = 84.5 ± 7.3 km
 4.8mb (20 obs.)

ANDREANOF ISLANDS, ALEUTIAN IS. (7)
 Felt (III) on Adak.

ADK 0.87 92 ePc 35 52.31 -1.6
 es 36 03.03
 SMY 4.86 283 eP 36 49.12 1.1
 SDN 10.98 65 eP 38 12.50 0.7
 SVW 15.35 44 (P) 39 07.89 -1.0
 0.8s 68.66nm 4.9mb
 AUP 15.71 52 (P) 39 09.55 -3.9X
 KDC 15.79 58 eP 39 14.30 0.0
 SLKM 17.59 50 (P) 39 35.66 -1.0
 PMS 18.12 48 eP 39 46.60 3.5X
 PMR 18.43 47 eP 39 50.40 3.6X
 IMA 18.75 32 eP 39 51.25 0.6
 1.1s 32.09nm 4.5mb
 TOA 19.92 47 eP 40 04.80 1.8
 FBA 20.24 38 eP 40 06.12 0.0
 0.5s 7.78nm 4.3mb
 INK 26.75 35 eP 41 10.00 1.1
 1.0s 3.00nm 3.8mb
 MAT 34.31 261 eP 42 17.00 1.0
 0.8s 5.22nm 4.5mb

YKA 34.53 47 eP 42 17.40 -0.1
 0.4s 1.60nm 4.3mb
 HDW 35.07 75 P 42 23.53 1.2
 MBW 35.23 72 P 42 24.58 0.8
 CMW 35.26 73 P 42 25.00 1.0
 GMW 35.27 75 eP 42 24.75 0.7
 CPW 35.34 76 P 42 25.84 1.2
 JCW 35.48 73 P 42 26.51 0.7
 BMW 35.52 77 eP 42 26.81 0.6
 RPW 35.61 73 P 42 27.30 0.4
 RMW 35.90 74 eP 42 29.86 0.5
 LMW 35.99 76 P 42 31.33 1.1
 RVC 36.05 75 P 42 31.73 1.1
 TDL 36.19 76 P 42 32.93 1.0
 FMW 36.23 75 P 42 32.95 0.6
 LON 36.24 75 eP 42 32.49 0.2
 WPW 36.42 75 P 42 34.54 0.7
 ETW 36.71 73 P 42 36.79 0.6
 TBM 36.76 74 P 42 37.19 0.6
 NAC 36.84 75 P 42 38.00 0.8
 WTV 36.88 73 P 42 37.99 0.4
 EBG 36.90 74 P 42 38.69 0.9
 NEW 38.28 71 eP 42 48.76 -0.5
 0.4s 12.46nm 5.2mb

HHAI 43.73 74 eP 43 34.84 0.6
 TNP 43.93 83 eP 43 35.53 -0.4
 0.7s 4.16nm 4.4mb
 HVU 44.38 76 eP 43 39.40 -0.1
 DUG 45.31 78 eP 43 47.00 0.1
 0.6s 5.62nm 4.6mb
 BW06 45.71 73 eP 43 49.80 -0.4
 0.6s 13.17nm 5.0mb
 GSC 45.96 86 eP 43 51.73 -0.3
 ARUT 46.43 81 eP 43 56.12 0.3
 SRU 47.37 78 eP 44 03.14 -0.1
 TIA 47.54 277 eP 44 04.70 0.4
 PV09 48.60 77 eP 44 12.38 -0.5
 PV10 48.74 78 eP 44 13.68 -0.2
 PV08 48.84 77 eP 44 14.17 -0.6
 TIY 49.43 282 eP 44 17.80 -1.2
 GOL 50.09 74 eP 44 24.19 -0.1
 0.6s 21.21nm 5.3mb
 GLD 50.15 74 eP 44 24.79 0.2
 0.9s 17.43nm 5.1mb
 XAN 54.00 281 P 44 52.80 -0.4
 1.0s 8.90nm 4.7mb
 ACO 55.76 73 iPd 45 04.50 -1.5
 GTA 55.78 292 eP 45 06.00 -0.2
 WMOK 57.31 74 eP 45 15.79 -1.3
 0.6s 15.23nm 5.3mb
 MEO 57.40 74 iPd 45 17.10 -0.5
 LTX 58.13 82 eP 45 21.34 -1.6
 TUL 58.27 71 iP 45 22.80 -0.9
 CD2 59.30 282 eP 45 30.80 -0.2
 FVM 59.92 66 eP 45 33.28 -1.8
 0.4s 9.01nm 5.3mb
 MIAR 60.52 71 eP 45 37.12 -2.0
 0.8s 9.93nm 5.0mb
 ePcP 46 21.83

GYA 60.71 276 P 45 41.00 0.3
 ELC 61.09 66 eP 45 41.00 -2.0
 OXF 62.96 68 eP 45 53.91 -1.5
 KMI 64.09 278 eP 45 50.00 -13.3X
 1.0s 40.00nm
 MYNC 65.53 64 eP 46 03.00 45kmX
 0.4s 9.11nm 5.1mb
 NB2 67.14 355 P 46 23.20 1.1
 0.7s 1.70nm 4.1mb
 GUN 72.06 292 P 46 51.80 -1.2
 0.6s 52.00nm 5.6mb
 KKN 72.50 293 P 46 53.00 -2.4
 DMN 72.74 293 P 46 52.20 -4.7X
 NDI 76.30 299 eP 47 32.50 15.5X
 WRA 82.72 224 P 47 52.20 0.9
 ASPA 86.19 223 P 48 10.60 1.8
 GBA 88.11 290 P 48 19.00 0.8
 0.6s 2.00nm 4.4mb
 LIC 121.77 8 PKP 54 21.00 -0.5
 S.D. = 1.0 on 69 of 75 obs.

& SEP 21, 1993 07h 41m 19.00s
 42.300 N 122.000 W
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 <SPEC>. ML 3.0 (GS). Held to
 mainshock location.

21d 07h

LBFM 0.96 175 eP 41 38.69 0.9
 LGPM 1.52 204 eP 41 46.09 -0.9
 eS 42 06.67
 WDC 1.77 193 eP 41 50.72 0.3
 FHC 2.11 226 (P) 41 57.19 1.7
 KMPM 2.47 221 (P) 42 01.91 1.3
 ORV 2.77 172 eP 42 05.73 0.9
 6 obs. associated

? SEP 21, 1993 07h 46m 29.21± 7.51s
 42.324 N ±52.8km 122.133 W ±14.9km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 MD 2.7 (GS).

LGMM 0.76 163 P 46 44.32 -0.2
 LMHM 0.82 154 P 46 46.54 0.7
 LASM 0.83 150 P 46 45.36 -0.6
 LMPM 0.83 181 P 46 46.18 0.2
 LGBM 0.98 183 P 46 48.34 -0.1
 LBFM 0.99 169 eP 46 47.75 -0.9
 eS 47 02.85
 LBKM 1.30 198 P 46 57.79 3.9X
 LGPM 1.50 201 eP 46 56.93 0.0
 eS 47 16.63

S.D. = 0.6 on 7 of 8 obs.

* SEP 21, 1993 07h 50m 29.63± 2.81s
 42.333 N ±21.4km 122.141 W ±10.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.9 (GS). MD 2.5 (SEA).

LGMM 0.77 163 P 50 45.02 -0.1
 LMHM 0.84 154 P 50 46.97 0.5
 LMPM 0.84 181 P 50 46.50 -0.1
 LASM 0.85 150 P 50 45.77 -0.8
 LGBM 0.99 182 P 50 49.10 0.1
 LBKM 1.31 198 P 50 53.62 -0.8
 KSXM 1.39 249 P 50 54.97 -0.7
 KOMM 1.44 223 P 50 56.93 0.4
 LGPM 1.51 200 eP 50 56.61 -0.9
 WDC 1.78 190 eP 51 01.09 -0.1
 KMPM 2.43 219 (P) 51 12.10 1.4
 ORV 2.82 170 eP 51 16.58 0.4

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

* SEP 21, 1993 07h 55m 57.77± 2.78s
 42.260 N ±19.4km 122.102 W ± 8.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.0 (GS).

LHEM 0.64 188 P 56 10.85 0.3
 LGMM 0.69 163 P 56 11.57 0.0
 LMHM 0.76 154 P 56 13.78 0.6
 LASM 0.77 149 P 56 12.61 -0.7
 LMPM 0.77 183 P 56 13.27 -0.1
 LGBM 0.92 184 P 56 15.98 0.0
 LBFM 0.93 170 eP 56 15.73 -0.3
 eS 56 27.89

LPDM 1.11 164 P 56 19.32 0.2
 LBKM 1.25 200 P 56 20.81 -0.7
 KOMM 1.41 226 P 56 24.94 0.7
 LGPM 1.45 202 eP 56 24.25 -0.6
 eS 56 42.81
 WDC 1.71 191 eP 56 28.54 0.2

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

* SEP 21, 1993 08h 18m 27.02± 1.31s
 42.279 N ± 8.8km 122.123 W ±16.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 MD 2.9 (GS), 2.5 (SEA).

LGMM 0.71 162 P 18 41.04 -0.2
 LMHM 0.78 153 P 18 44.50 1.6
 LASM 0.79 149 P 18 41.59 -1.5
 LGBM 0.93 183 P 18 47.52 2.0
 LBFM 0.95 169 eP 18 44.71 -1.0
 LBKM 1.26 199 P 18 51.29 0.3
 LGPM 1.46 201 (P) 18 52.77 -1.5
 VGB 3.38 16 (P) 19 21.72 0.2

S.D. = 1.6 on 8 of 8 obs.

? SEP 21, 1993 08h 21m 07.91± 1.17s
 39.122 N ± 8.7km 27.627 E ±14.0km

DEPTH = 10.0km (geophysicist)
 TURKEY (366)

IZM 0.78 202 ePg 21 23.00 -0.1
 eSg 21 34.00
 EZN 1.23 305 ePn 21 31.00 0.3
 EDC 1.24 8 ePn 21 30.00 -0.9
 KCT 1.26 26 ePn 21 32.00 0.7
 S.D. = 1.2 on 4 of 4 obs.

* SEP 21, 1993 08h 21m 21.81± 0.82s
 0.098 N ±18.4km 16.091 W ±12.6km
 DEPTH = 10.0km (geophysicist)
 4.8mb (9 obs.)

NORTH OF ASCENSION ISLAND (407)

LIC 12.61 61 P 24 23.90 -0.2
 0.2s 1.50nm 4.8mb
 S 26 37.00
 TIC 12.82 59 P 24 27.30 0.4
 0.4s 2.00nm 4.7mb
 S 26 38.00
 KIC 12.92 61 P 24 28.38 0.1
 0.5s 3.50nm 4.8mb
 S 26 46.00
 TT 34 00.00

BAO 35.17 242 eP 28 18.20 -0.1
 LPG 49.50 21 eP 30 16.60 1.7
 1.2s 12.20nm 4.8mb
 LPL 49.51 21 eP 30 16.50 1.7
 WTTA 52.83 23 iPd 30 39.30 -0.7
 i 30 47.90

KBA 53.38 25 i(P) 30 44.20 0.2
 SKO 53.67 34 eP 30 45.50 -0.4
 ENN 53.84 17 eP 30 47.50 0.5
 1.0s 11.00nm 4.8mb
 GEC2 54.93 24 P 30 54.20 -1.1
 1.4s 8.14nm 4.6mb
 e 31 03.90
 e 31 10.70

KHC 55.11 23 eP 30 56.50 0.0
 1.4s 11.00nm 4.7mb
 e 31 10.50
 e 31 07.00 -0.4

BRG 56.65 22 e(P) 31 07.00 -0.4
 1.3s 12.00nm 4.8mb
 PSZ 56.94 28 e(P) 31 08.20 -1.5
 SPC 58.01 27 eP 31 12.00 -5.3X
 MLR 58.42 34 eP 31 20.00 -0.2
 OBN 69.53 29 eP 32 32.00 -0.6
 1.8s 60.00nm 5.5mb
 e 32 41.00

WB2 144.98 126 ePKP 41 02.60 0.7
 1.2s 8.30nm
 i 41 18.70
 S.D. = 0.9 on 17 of 18 obs.

SEP 21, 1993 08h 25m 07.14± 0.31s
 42.220 N ± 2.3km 122.091 W ± 5.5km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.8 (GS). MD 2.6 (SEA).

LHEM 0.60 189 P 25 19.46 0.3
 LGMM 0.65 163 P 25 20.75 0.6
 LMHM 0.72 153 P 25 21.67 0.2
 LASM 0.73 148 P 25 21.63 -0.1
 LMPM 0.73 184 P 25 21.94 0.1
 LGBM 0.88 185 P 25 24.64 0.0
 LBFM 0.89 170 eP 25 24.09 -0.7
 eS 25 37.88

LPDM 1.07 164 P 25 27.57 -0.2
 LBKM 1.21 201 P 25 29.61 -0.7
 DBO 1.24 317 P 25 30.02 -0.6
 KOMM 1.39 228 P 25 32.66 -0.6
 HSO 1.50 331 P 25 34.01 -0.8
 S 25 54.41

HBO 1.63 354 Pd 25 36.10 -0.7
 S 25 58.67
 NCOR 1.64 25 P 25 36.90 0.0
 S 25 57.96

WDC 1.67 192 eP 25 36.90 -0.3
 LDBM 1.80 173 P 25 42.86 3.7X
 TCO 1.92 11 P 25 40.07 -0.9
 FHC 2.01 226 eP 25 43.70 1.6
 RNO 2.08 325 P 25 44.26 1.1
 KPPM 2.10 208 P 25 46.97 3.3X
 FBO 2.12 351 P 25 43.03 -0.7

S 26 12.28
 BPO 2.45 7 P 25 50.10 1.5
 MPOR 2.52 336 P 25 50.59 1.1
 VIPM 2.53 25 P 25 50.47 0.8
 SSOR 2.65 354 P 25 50.64 -0.7
 ORV 2.70 170 eP 25 51.76 -0.2
 GT2 2.94 358 P 25 57.88 2.5X
 S.D. = 0.8 on 24 of 27 obs.

SEP 21, 1993 08h 31m 56.06± 0.34s
 42.305 N ± 2.7km 122.249 W ± 7.6km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.0 (GS). MD 2.6 (SEA).

LHEM 0.68 178 P 32 10.42 0.8
 LGMM 0.77 156 P 32 11.09 -0.5
 LMPM 0.82 175 P 32 12.76 0.2
 LMHM 0.85 148 P 32 11.92 -1.2
 LASM 0.87 144 P 32 11.78 -1.6
 LGBM 0.96 178 P 32 15.36 0.4
 LBFM 0.99 164 eP 32 15.18 -0.3
 eS 32 29.68

DBO 1.09 318 P 32 16.31 -0.8
 LPDM 1.18 159 P 32 18.40 -0.3
 LBKM 1.26 194 P 32 17.76 -2.2
 HSO 1.37 333 P 32 20.50 -1.3
 S 32 39.52

LGPM 1.46 198 eP 32 23.08 -0.1
 eS 32 42.82
 HBO 1.54 358 P 32 23.04 -1.3
 S 32 43.97

NCOR 1.62 30 P 32 24.88 -0.6
 WDC 1.74 187 eP 32 27.92 0.9
 TCO 1.86 15 P 32 28.83 -0.3
 LCFM 1.90 163 P 32 30.15 0.5
 LDBM 1.90 169 P 32 31.22 1.6
 RNO 1.94 326 P 32 30.72 0.6
 LSLM 1.94 164 P 32 31.12 0.9
 FBO 2.02 353 P 32 30.74 -0.5
 S 32 56.76

BPO 2.38 10 P 32 37.83 1.2
 MPOR 2.39 337 P 32 37.53 0.8
 S 33 09.62
 VIPM 2.50 28 P 32 37.69 -0.6
 SSOR 2.56 357 P 32 38.68 -0.2
 S 33 14.28

ORV 2.80 168 eP 32 43.01 0.6
 GT2 2.85 360 P 32 44.59 1.5
 VGB 3.38 18 (P) 32 51.98 1.4
 S.D. = 1.0 on 28 of 28 obs.

? SEP 21, 1993 08h 45m 22.20± 5.93s
 42.456 N ±43.5km 122.207 W ±13.8km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.0 (GS).

LGMM 0.90 162 P 45 39.97 0.0
 LMHM 0.97 155 P 45 42.40 1.2
 LMPM 0.97 178 P 45 40.95 -0.3
 LASM 0.98 151 P 45 40.68 -0.7
 LGBM 1.11 179 P 45 44.00 0.3
 LBFM 1.13 168 eP 45 43.57 -0.5
 LBKM 1.41 194 P 45 48.38 -0.3
 LGPM 1.61 197 eP 45 51.40 -0.1
 eS 46 11.54

WDC 1.89 188 eP 45 56.18 0.7
 ORV 2.95 169 eP 46 10.27 -0.3
 S.D. = 0.7 on 10 of 10 obs.

SEP 21, 1993 08h 57m 37.90± 1.55s
 16.926 S ±17.6km 177.503 W ±17.5km
 DEPTH = 376.8 ± 13.7 km
 4.7mb (11 obs.)

FIJI ISLANDS REGION (181)

SVA 4.03 252 eP 58 49.30 0.0
 DZM 15.97 249 iPd 01 04.50 0.4
 ARMA 31.18 239 eP 03 26.00 0.3
 0.4s 15.00nm 4.7mb
 CTA 34.47 259 eP 03 53.50 0.0
 0.6s 53.67nm 5.1mb

iPcP 06 18.60
 CNB 34.71 232 iPd 03 56.00 0.6
 0.7s 33.00nm 4.8mb
 CAN 34.99 232 eP 03 57.70 0.0

21d 09h

BWA	35.09	234	iPc	03	57.00	-1.7	MAF	150.79	360	ePKP	16	47.10	5.7X	LASM	0.65	137	P	21	33.63	-0.4
TOO	38.46	230	iPc	04	27.20	0.7		0.7s	19.40nm					LGBM	0.74	181	P	21	34.38	-1.3
	0.4s	38.00nm				5.1mb	ORX	151.01	352	PKP	16	46.55	4.7X	LBFM	0.76	164	eP	21	36.12	-0.2
STK	39.87	240	iPd	04	38.90	0.8	LPL	151.28	354	ePKP	16	49.00	6.6X		eS			21	49.16	
	0.7s	25.50nm				4.6mb		0.5s	6.40nm				LPDM	0.95	158	P	21	39.54	-0.1	
ADE	42.89	237	iPd	05	03.00	0.4	LSD	151.29	353	PKP	16	48.74	6.3X	LBKM	1.06	201	P	21	39.91	-1.6
WB2	45.65	258	eP	05	23.60	-0.9	LPG	151.29	354	ePKP	16	49.10	6.6X	KOMM	1.25	231	P	21	45.38	0.7
	0.2s	14.30nm				4.9mb		0.6s	5.95nm				LGPM	1.27	203	(P)	21	44.67	-0.3	
MAT	67.65	323	eP	07	57.00	-0.3	RSP	151.58	353	PKP	16	47.69	5.0X		eS			22	02.24	
	0.8s	4.48nm				4.2mb	RJF	151.70	1	ePKP	16	48.80	6.1X	WDC	1.53	191	eP	21	48.68	-0.2
SPA	73.18	180	iPd	08	28.50	-1.5		0.8s	10.35nm				KMPM	2.22	222	(P)	22	00.25	1.3X	
	0.8s	4.58nm				4.2mb	RRL	151.86	354	PKP	16	49.98	6.7X	ORV	2.57	168	eP	22	04.61	0.7
RMW	81.17	35	iPd	09	13.15	-0.5	BHB	151.88	353	PKP	16	47.74	4.7X	S.D. = 1.0 on 13 of 14 obs.						
NEW	84.21	36	eP	09	28.39	-0.5	PCP	152.00	351	PKP	16	50.12	6.9X	% SEP 21, 1993 09h 33m 26.11± 0.84s						
	0.6s	4.72nm				4.5mb	LFF	152.03	3	ePKP	16	49.60	6.4X	26.177 S ± 8.7km 28.161 E ± 8.2km						
FBA	84.67	12	iPd	09	29.33	-1.5		0.6s	5.75nm				DEPTH = 5.0km (geophysicist)							
	0.7s	18.61nm				5.0mb	CAF	152.08	1	ePKP	16	49.90	6.6X	REPUBLIC OF SOUTH AFRICA (584)						
BW06	86.05	43	eP	09	38.00	-0.3		0.6s	6.95nm				ML 2.3 (PRE).							
	0.8s	1.31nm				3.9mb	PZZ	152.23	353	PKP	16	49.29	5.6X	SLR	0.45	14	iPd	33	35.00	-0.2
GOL	87.56	47	eP	09	48.00	2.3	LPO	152.31	2	ePKP	16	50.10	6.5X		S			33	40.70	
KAF	131.85	345	iPKP	16	06.90	-0.9		0.4s	5.45nm				PRY	0.97	219	eP	33	45.00	-0.1	
	0.3s	3.20nm					ROB	152.34	352	PKP	16	49.61	5.9X		S			33	57.40	
NUR	133.64	345	iPKP	16	11.10	-0.1	FIN	152.38	351	PKP	16	48.93	5.2X	KSR	1.18	285	eP	33	49.00	0.3
	0.3s	4.40nm					STV	152.46	352	PKP	16	48.74	4.8X		S			34	06.00	
NB2	135.50	354	PKP	16	14.90	0.0	ENR	152.47	352	PKP	16	48.56	4.6X	BFT	1.76	74	eP	33	57.90	0.2
	0.5s	1.00nm					IMI	152.72	351	PKP	16	50.62	6.3X		S			34	19.00	
KAS	143.74	319	iPKPc	16	29.30	-1.0	SBF	152.82	352	ePKP	16	51.50	7.0X	SEK	2.19	192	eP	33	50.10	-13.8X
KSP	144.40	345	iPKPd	16	30.20	-0.9		0.5s	6.65nm						S			34	26.00	
	0.8s	62.00nm					LMR	153.46	353	ePKP	16	53.40	8.2X	SWZ	2.73	248	eP	34	11.40	-0.1
CLL	144.69	349	iPKPd	16	30.40	-1.1		0.6s	3.80nm				S.D. = 0.3 on 5 of 6 obs.							
	0.9s	40.00nm					SEP 21, 1993 09h 07m 02.53± 1.75s						? SEP 21, 1993 09h 38m 29.23± 1.09s							
SPC	144.74	340	ePKP	16	24.60	-7.4X	42.214 N ±13.1km 122.134 W ± 7.0km						0.067 N ±34.4km 16.255 W ±20.2km							
WTS	144.84	355	ePKP	16	31.00	-0.7	DEPTH = 5.0km (geophysicist)						DEPTH = 10.0km (geophysicist)							
	0.8s	43.90nm					OREGON (32)						4.9mb (4 obs.)							
BRG	144.91	347	iPKPd	16	31.50	-0.4	ML 3.1 (GS). MD 2.5 (SEA).						NORTH OF ASCENSION ISLAND (407)							
	1.0s	30.00nm					LGMM	0.65	160	P	07	15.76	0.1	LIC	12.77	61	P	41	33.37	-0.3
MOX	145.57	350	ePKP	16	32.30	-0.8		LMPM	0.73	182	P	07	17.32	0.3		0.5s	3.50nm			4.8mb
	1.6s	41.00nm					LMHM	0.73	151	P	07	17.45	0.4	TIC	12.98	60	P	41	36.69	0.2
ENN	146.13	356	ePKP	16	35.00	1.1	LASM	0.74	146	P	07	16.56	-0.8		0.2s	2.50nm			5.0mb	
	0.7s	6.80nm					LGBM	0.87	183	P	07	19.84	-0.1		S			43	49.72	
GRF	146.56	350	iPKPd	16	36.90	2.2	LBFM	0.89	168	eP	07	19.96	-0.2	KIC	13.08	61	P	41	36.99	-0.9
ZST	146.59	342	i(PKP)	16	36.30	1.5		eS	07	32.44				0.5s	4.50nm			4.9mb		
DOU	146.87	358	PKPc	16	37.20	2.1	LBKM	1.20	200	P	07	24.97	-0.4	CNCB	53.63	249	eP	47	46.00	-8.2X
GEC2	146.88	346	e(PKP)	16	36.20	0.8	KSYM	1.35	254	P	07	27.62	-0.5	LPAP	53.66	250	P	47	53.40	-1.0
	0.6s	5.60nm					KOMM	1.36	227	P	07	28.96	0.8	GEC2	55.02	24	P	48	02.60	-0.8
WLF	147.21	356	iPKPc	16	38.90	3.2X	LGPM	1.40	202	eP	07	28.21	-0.7		1.4s	2.76nm			4.1mb	
FLN	148.15	4	ePKP	16	40.00	2.8X		eS	07	46.34				e				48	10.70	
	0.6s	17.60nm					WDC	1.66	191	eP	07	32.30	-0.1	KHC	55.20	23	eP	48	06.00	1.4
LDF	148.34	3	ePKP	16	40.40	2.9X	KMPM	2.34	220	(P)	07	42.62	0.3		e			49	06.50	
	0.7s	11.70nm					ORV	2.70	170	eP	07	50.71	3.3X	WB2	145.09	126	ePKP	58	10.80	1.3
GRR	148.50	4	ePKP	16	41.10	3.3X	BONR	5.17	144	(P)	08	23.37	0.7		1.1s	4.80nm				
KBA	148.62	346	iPKPc	16	34.50	-3.8X	S.D. = 0.5 on 13 of 14 obs.						S.D. = 1.2 on 7 of 8 obs.							
	i	16	41.20				* SEP 21, 1993 09h 10m 12.71± 4.86s						SEP 21, 1993 09h 41m 03.34± 0.36s							
	i	16	45.30				42.098 N ±35.3km 122.130 W ± 8.5km						42.201 N ± 2.7km 122.075 W ± 7.0km							
WTTA	148.82	348	iPKPd	16	35.90	-2.7X	DEPTH = 5.0km (geophysicist)						DEPTH = 5.0km (geophysicist)							
	i	16	42.40				OREGON (32)						OREGON (32)							
LFP	148.84	5	ePKP	16	42.10	3.8X	ML 3.1 (GS).						ML 3.0 (GS). MD 2.6 (SEA).							
	0.6s	23.00nm					LGMM	0.54	156	P	10	24.20	0.6	LGMM	0.63	163	P	41	13.61	-2.3
SQTA	148.94	348	iPKPd	16	34.50	-4.2X	LMHM	0.63	146	P	10	25.50	0.2	LASM	0.71	148	P	41	17.61	0.1
	i	16	42.60				LASM	0.65	140	P	10	24.79	-0.9	LMPM	0.72	185	P	41	18.46	0.8
OSS	149.65	350	ePKPd	16	44.80	4.9X	LGBM	0.75	184	P	10	28.61	0.6	LGBM	0.86	186	P	41	21.18	0.6
LLS	149.66	351	ePKPd	16	44.50	4.6X	LBFM	0.77	166	eP	10	28.06	-0.3	LBFM	0.86	171	eP	41	20.49	-0.1
LOR	149.72	358	ePKP	16	44.40	4.7X		eS	10	40.69			LPDM	1.04	164	P	41	24.12	0.5	
	0.5s	18.30nm					LPDM	0.96	160	P	10	31.44	-0.1	LBKM	1.20	202	P	41	25.82	-0.5
HYF	149.74	360	ePKP	16	44.80	5.1X	LBKM	1.09	202	P	10	32.25	-1.5	DBO	1.26	317	P	41	25.06	-2.2
SSF	149.94	359	ePKP	16	45.00	5.0X	KOMM	1.28	231	P	10	37.81	0.7	KOMM	1.38	229	P	41	29.93	0.5
	0.6s	18.50nm					LGPM	1.30	204	eP	10	36.57	-0.7	LGPM	1.41	204	eP	41	28.83	-0.9
VDL	149.96	350	ePKPd	16	45.40	5.0X		eS	10	55.73			HSO	1.52	331	P	41	30.63	-0.7	
LBF	150.00	358	ePKP	16	45.00	4.8X	WDC	1.55	192	eP	10	41.19	0.2		S			41	50.74	
	0.7s	24.45nm					ORV	2.58	169	eP	10	56.47	0.6	HBO	1.65	354	P	41	32.83	-0.4
AVF	150.21	359	ePKP	16	45.20	4.8X	S.D. = 0.8 on 11 of 11 obs.							S				41	54.20	
	0.5s	7.75nm					* SEP 21, 1993 09h 21m 20.90± 3.09s						NCOR	1.65	24	P	41	32.74	-0.6	
SKO	150.22	331	ePKP	16	45.50	4.9X	42.081 N ±21.1km 122.169 W ± 7.2km						WDC	1.66	192	eP	41	33.72	0.5	
MFF	150.33	4	ePKP	16	45.50	4.9X	DEPTH = 5.0km (geophysicist)						TCO	1.94	10	P	41	37.54	0.1	
	0.8s	15.30nm					OREGON (32)						RNO	2.10	325	P	41	40.84	1.2	
SMF	150.35	358	ePKP	16	45.50	4.8X	ML 3.0 (GS). MD 2.4 (SEA).						FBO	2.14	350	P	41	40.46	0.2	
	0.6s	5.50nm					LHEM	0.45	185	P	21	31.47	1.4		S			42	08.40	
TMA	150.42	351	iPKPd	16	46.20	5.2X	LGMM	0.54	153	P	21	31.29	-0.5	GMO	2.38	20	P	41	44.31	0.5
BGF	150.45	360	ePKP	16	46.10	5.3X	LMPM	0.59	179	P	21	33.90	1.1	BPO	2.47	6	P	41	46	

21d 09h

S 42 21.03
MPOR 2.54 335 P 41 47.21 1.2
SSOR 2.67 354 P 41 47.75 -0.1
ORV 2.68 170 eP 41 48.80 0.9
VBEM 2.88 7 P 41 54.64 3.8X
CROR 2.89 15 P 41 53.57 2.6X
GT2 2.96 357 P 41 55.31 3.4X
VGB 3.44 15 (P) 42 02.22 3.4X
S.D. = 1.0 on 23 of 27 obs.

? SEP 21, 1993 09h 50m 49.25± 6.44s
33.696 S ±15.3km 70.148 W ±33.7km
DEPTH = 112.3 ± 47.8 km
CHILE-ARGENTINA BORDER REGION (127)
MD 3.5 (SAN).

PCH 0.31 284 iP 51 05.78 0.0
is 51 19.56
SAN 0.49 299 iP 51 06.51 -0.1
is 51 21.20
CACH 0.56 222 iP 51 07.25 0.1
is 51 22.48
TACH 0.66 274 iP 51 07.79 0.0
is 51 23.74
PEL 0.71 321 iP 51 08.30 0.1
is 51 23.56
ROCH 1.02 315 iP 51 11.31 -0.1
is 51 29.07
JACH 1.08 340 iP 51 11.85 0.0
is 51 30.19
LNV 1.08 256 iP 51 11.55 -0.2
is 51 29.54
LCCH 1.21 280 iP 51 13.33 0.2
is 51 33.15
S.D. = 0.1 on 9 of 9 obs.

* SEP 21, 1993 10h 03m 27.80± 2.12s
42.312 N ±14.8km 122.088 W ± 9.4km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.9 (GS).

LHEM 0.69 188 P 03 41.95 0.3
LGMM 0.74 165 P 03 42.86 0.3
LMHM 0.80 156 P 03 44.34 0.4
LASM 0.81 152 P 03 43.68 -0.4
LMPM 0.82 184 P 03 44.29 -0.1
LGBM 0.97 185 P 03 47.04 0.2
LBFM 0.98 171 eP 03 46.96 0.0
LBKM 1.30 200 P 03 52.00 -0.4
KSKM 1.42 251 P 03 54.68 0.3
LGPM 1.50 202 eP 03 55.23 -0.4
WDC 1.76 191 eP 03 59.00 -0.2
ORV 2.79 171 (P) 04 18.21 4.2X
S.D. = 0.4 on 11 of 12 obs.

? SEP 21, 1993 10h 15m 16.27± 5.75s
45.420 N ±53.3km 15.353 E ±11.4km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
MD 2.8 (LJU).

VBY 0.11 321 iPg 15 19.00 -0.1
isg 15 20.30
PTJ 0.64 41 iPg 15 29.20 0.0
isg 15 37.20
CEY 0.72 296 ePg 15 30.10 -0.4
esg 15 39.20
LJU 0.85 318 ePg 15 32.50 -0.1
isg 15 43.40
VOY 1.19 301 ePg 15 39.20 0.6
isg 15 55.00
S.D. = 0.6 on 5 of 5 obs.

? SEP 21, 1993 10h 50m 33.45± 4.94s
42.155 N ±33.8km 122.187 W ± 8.9km
DEPTH = 5.0km (geophysicist)
OREGON (32)

LGMM 0.61 155 P 50 46.08 0.3
LMPM 0.67 178 P 50 47.27 0.5
LMHM 0.70 145 P 50 48.77 1.3
LASM 0.72 140 P 50 46.68 -1.2
LGBM 0.81 180 P 50 49.84 0.0
LBFM 0.84 165 eP 50 49.92 -0.4
LBKM 1.13 199 P 50 54.88 -0.3
KOMM 1.29 228 P 50 58.70 0.8

LGPM 1.33 201 eP 50 57.50 -1.1
S.D. = 1.0 on 9 of 9 obs.
SEP 21, 1993 10h 53m 25.21± 0.40s
42.277 N ± 3.2km 122.221 W ± 7.0km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.9 (GS). MD 2.6 (SEA).

LMPM 0.79 177 P 53 41.10 -0.1
LASM 0.83 144 P 53 41.15 -0.8
LGBM 0.93 179 P 53 43.72 0.1
LBFM 0.96 165 eP 53 43.75 -0.4
DBO 1.13 319 P 53 45.63 -1.3
S 54 02.83
LBKM 1.24 196 P 53 48.27 -0.5
KSKM 1.31 251 P 53 50.27 0.3
KOMM 1.36 223 P 53 52.00 1.1
HSO 1.40 333 P 53 49.92 -1.6
S 54 09.39
LGPM 1.44 199 eP 53 51.34 -0.8
HBO 1.57 357 P 53 52.71 -1.2
NCOR 1.63 29 P 53 55.35 0.5
WDC 1.71 188 eP 53 56.05 0.2
RNO 1.98 326 P 54 00.64 0.9
FBO 2.05 353 P 54 00.38 -0.4
S 54 26.90
BPO 2.41 9 P 54 07.60 1.5
MPOR 2.43 337 P 54 06.80 0.5
VIPM 2.52 27 P 54 05.51 -2.1
SSOR 2.58 356 P 54 07.32 -1.2
ORV 2.77 168 eP 54 11.45 0.3
VBEM 2.82 9 P 54 14.36 2.4
GT2 2.88 359 P 54 14.17 1.5
VGB 3.40 17 (P) 54 27.07 7.0X
BONR 5.26 144 (P) 54 47.37 0.7
S.D. = 1.2 on 23 of 24 obs.

SEP 21, 1993 11h 01m 59.81± 0.34s
42.338 N ± 2.6km 122.156 W ± 7.1km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 3.1 (GS). MD 2.7 (SEA).

LHEM 0.71 184 P 02 15.05 1.0
LGMM 0.78 162 P 02 15.69 0.2
LMPM 0.85 180 P 02 17.45 0.6
LASM 0.86 149 P 02 16.30 -0.6
LGBM 0.99 182 P 02 17.94 -1.3
LBFM 1.01 169 eP 02 19.67 0.1
DBO 1.12 315 P 02 20.72 -0.6
LBKM 1.31 197 P 02 24.03 -0.6
HSO 1.37 330 P 02 24.55 -1.1
S 02 43.44
HBO 1.51 355 P 02 26.64 -1.1
LGPM 1.51 200 eP 02 26.69 -1.0
es 02 48.15
NCOR 1.56 28 P 02 27.55 -0.8
WDC 1.78 189 eP 02 31.41 0.0
TCO 1.81 13 P 02 31.43 -0.7
RNO 1.95 324 P 02 34.63 0.6
FBO 1.99 351 P 02 34.05 -0.6
S 03 00.55
BPO 2.34 8 P 02 40.73 1.0
MPOR 2.39 335 P 02 41.71 1.3
S 03 13.27
KMPM 2.42 218 eP 02 41.67 0.9
VIPM 2.44 27 P 02 39.93 -1.2
SSOR 2.53 355 P 02 41.60 -0.7
VBEM 2.75 8 P 02 47.82 2.3
CROR 2.78 17 P 02 47.04 1.2
ORV 2.82 170 eP 02 47.21 0.8
VGB 3.33 17 (P) 02 53.92 0.3
S.D. = 1.0 on 25 of 25 obs.

? SEP 21, 1993 11h 21m 11.11± 3.99s
24.155 S ±38.4km 66.645 W ±18.0km
DEPTH = 247.0 ± 33.3 km
SALTA PROVINCE, ARGENTINA (129)

HJA 1.47 51 iP 21 49.90 0.7
YJA 2.24 28 ePd 21 55.50 -0.9
ANT 3.48 277 iPc 22 09.00 -0.2
is 22 45.80
CNCB 7.41 350 P 22 59.50 1.3
(S) 24 19.00
LPB 7.71 350 (P) 22 59.00 -2.8X

LPZ 7.95 350 Pc 23 04.30 -0.8
SIV 9.66 34 P 23 26.30 -0.1
S.D. = 1.4 on 6 of 7 obs.
SEP 21, 1993 11h 30m 24.80s
60.195 N 152.983 W
DEPTH = 118.7km
SOUTHERN ALASKA (2)
<AEIC>.

ILIM 0.12 174 iP 30 40.54 0.8
es 30 53.38
INE 0.14 197 eP 30 40.85 0.9
es 30 53.96
RED 0.25 25 iP 30 40.93 0.8
es 30 54.23
RDW 0.30 17 iP 30 41.27 0.8
es 30 54.75
REF 0.33 25 eP 30 41.89 1.3
es 30 55.52
NCT 0.37 4 iP 30 41.48 -0.8
es 30 54.76
DFR 0.42 20 iP 30 41.52 -1.0
es 30 55.41
RDT 0.48 37 iP 30 41.97 -0.8
es 30 56.35
OPT 0.56 193 iP 30 42.57 -0.7
es 30 56.90
AUL 0.85 196 eP 30 44.89 -0.7
AUE 0.86 193 eP 30 44.78 -0.9
HOM 0.86 128 eP 30 45.19 -0.5
AUP 0.86 195 eP 30 44.43 -1.4
AUW 0.86 197 eP 30 44.89 -0.8
AUH 0.87 196 eP 30 45.49 -0.3
AGU 0.87 195 eP 30 45.13 -0.7
AUI 0.89 195 eP 30 44.96 -1.0
BKG 0.95 22 eP 30 45.81 -0.8
es 31 02.80
XLV 0.98 139 eP 30 46.01 -0.8
NKA 1.02 57 iP 30 48.15 0.9
CKL 1.05 17 eP 30 47.20 -0.5
CKT 1.08 20 eP 30 47.12 -0.8
SPU 1.09 24 eP 30 46.70 -1.3
CNPM 1.11 127 iP 30 47.32 -0.8
BGL 1.11 15 iP 30 47.71 -0.6
CP2 1.13 18 ePd 30 47.64 -1.0
BRLK 1.14 111 eP 30 48.31 -0.2
es 31 04.95
CRP 1.15 20 eP 30 48.27 -0.5
es 31 06.13
NCG 1.28 18 eP 30 50.04 -0.1
SLKM 1.41 76 iP 30 50.31 -1.2
SVW 1.59 306 iPd 30 51.55 -2.1
es 31 12.78
SYI 1.62 169 eP 30 52.50 -1.4
SEW 1.77 91 eP 30 54.22 -1.5
MPA 1.83 79 eP 30 54.94 -1.5
SKT 1.93 21 eP 30 57.41 -0.3
PMS 1.98 56 P 30 57.00 -1.5
PWA 2.11 45 P 30 59.50 -0.5
PLRM 2.35 52 eP 31 01.55 -1.5
PMR 2.35 52 eP 31 01.01 -2.1
PWL 2.39 72 eP 31 01.18 -2.5
KDC 2.47 174 eP 31 01.46 -3.2
SML 2.78 52 eP 31 07.61 -1.3
TTA 3.10 333 eP 31 11.02 -2.2
SCM 3.21 57 eP 31 12.20 -2.4
VLZ 3.41 71 eP 31 14.19 -2.9
MID 3.44 100 P 31 17.10 -0.5
KTH 3.51 15 P 31 14.60 -4.0
TRF 3.51 20 eP 31 17.11 -1.6
CVA 3.61 81 eP 31 17.98 -1.9
KLU 3.69 66 eP 31 18.17 -3.0
TOA 3.82 57 P 31 20.80 -2.0
SGAM 3.88 82 eP 31 21.65 -1.9
DHY 3.94 40 eP 31 23.16 -1.4
RAGM 4.14 84 eP 31 25.10 -2.0
FBA 5.30 25 eP 31 40.00 -2.8
55 obs. associated

* SEP 21, 1993 11h 53m 16.92± 3.17s
42.319 N ±22.2km 122.118 W ±10.2km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.9 (GS).
LHEM 0.69 186 P 53 31.10 0.3

21d 11h

LGMM 0.75 164 P 53 31.69 -0.2
 LMHM 0.82 155 P 53 35.09 1.7
 LASM 0.82 151 P 53 32.59 -0.9
 LMPM 0.83 182 P 53 33.50 -0.1
 LGBM 0.97 183 P 53 36.16 0.1
 LBFM 0.99 170 eP 53 35.56 -0.7
 eS 53 47.39
 LBKM 1.30 199 P 53 41.34 -0.2
 LGPM 1.50 201 eP 53 44.18 -0.5
 eS 54 03.68
 WDC 1.77 190 eP 53 48.34 0.0
 KMPM 2.43 219 (P) 53 58.36 0.4
 ORV 2.80 170 eP 54 03.18 -0.1
 S.D. = 0.7 on 12 of 12 obs.

SEP 21, 1993 12h 20m 00.00s
 42.300 N 122.000 W
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 <SPEC>. MD 2.6 (GS). Held to
 mainshock location.

LGMM 0.71 170 P 20 13.92 -0.3
 LMHM 0.76 160 P 20 15.35 -0.2
 LASM 0.77 156 P 20 14.67 -0.9
 LMPM 0.82 189 P 20 15.94 -0.6
 LBFM 0.96 175 ePc 20 17.74 -1.1
 LGBM 0.97 189 P 20 18.30 -0.7
 LGPM 1.52 204 eP 20 26.05 -1.9
 ORV 2.77 172 (P) 20 43.77 -2.1
 8 obs. associated

* SEP 21, 1993 12h 35m 11.45± 1.34s
 19.906 S ± 9.4km 178.160 W ± 18.3km
 DEPTH = 679.2 ± 11.0 km
 4.9mb (20 obs.)
 FIJI ISLANDS REGION (181)

MBU 4.16 314 eP 36 44.60 0.6
 BKM 13.07 278 iPd 37 58.10 -2.3X
 DZM 14.54 259 iPc 38 10.90 -3.3X
 WLZ 18.71 196 eP 38 48.30 -4.0X
 URZ 18.74 192 eP 38 45.10 -7.6X
 eS 41 45.20
 NOZ 18.94 189 eP 38 49.30 -5.1X
 MNG 21.35 193 eP 39 08.30 -7.9X
 THZ 23.07 197 eP 39 25.60 -5.8X
 eS 42 56.00

LTZ 24.19 197 eP 39 34.20 -7.1X
 ARMA 29.20 243 iPd 40 24.30 -0.2
 0.4s 39.00nm 5.3mb
 CNB 32.44 235 iPd 40 51.60 0.0
 0.5s 57.00nm 5.5mb

CAN 32.72 235 iPd 40 53.50 -0.5
 BWA 32.89 237 iPd 40 53.00 -2.4
 CTA 33.40 263 iPd 40 59.90 0.2
 0.4s 1198.31nm 6.9mb X
 PMG 35.07 282 eP 41 13.00 -0.3
 TOO 36.13 233 iPd 41 22.00 0.1
 0.5s 111.00nm 5.6mb

STK 37.92 243 iPd 41 37.10 0.7
 0.7s 24.50nm 4.8mb
 QIS 39.55 262 eP 41 49.40 -0.3
 ADE 40.79 239 eP 41 59.80 0.5
 WB2 44.52 261 eP 42 27.70 -0.7
 0.6s 100.10nm 5.4mb

WRA 44.53 261 P 42 28.90 0.4
 0.6s 29.80nm 4.9mb
 MTN 49.01 270 eP 43 01.50 -0.6
 0.6s 83.00nm 5.3mb

GUA 49.24 310 eP 43 03.00 -0.7
 1.1s 151.90nm 5.3mb
 GUMO 49.31 310 eP 43 03.90 -0.3
 1.0s 78.60nm 5.1mb

PJG 49.31 310 eP 43 03.00 -1.2
 FORT 49.39 246 iPd 43 04.50 -0.2
 KNA 50.53 266 iPd 43 14.20 1.1
 0.3s 15.00nm 4.8mb

MBL 57.74 257 iPd 44 03.50 0.2
 0.3s 27.00nm 5.0mb
 MEEK 57.97 250 iPd 44 04.70 0.0
 0.4s 10.00nm 4.4mb

KLB 58.17 245 eP 44 06.00 0.1
 NWA0 58.50 243 eP 44 08.60 0.5
 BAL 59.16 246 eP 44 12.50 0.0
 MUN 59.45 244 eP 44 15.00 0.6

MRWA 59.94 247 eP 44 18.00 0.4
 NANU 61.41 255 iPd 44 28.50 1.3
 0.5s 33.00nm 4.8mb
 CGP 62.90 291 eP 44 35.00 -1.7X
 CSY 64.44 205 iPd 44 45.40 -0.2
 1.0s 12.70nm 4.2mb

IIDJ 69.05 323 P 45 13.60 -0.4
 WKYJ 69.53 320 P 45 16.60 -0.3
 MAT 69.64 324 eP 45 16.00 -1.4
 0.9s 8.40nm 4.2mb

TSRJ 70.20 322 P 45 20.80 0.1
 SZP 70.82 298 ePd 45 20.00 -4.6X
 PIP 71.06 298 iPd 45 32.50 6.5X
 YONJ 71.47 320 P 45 27.00 -1.0

LEM 72.90 269 ePc 45 53.50 16.7X
 NJ2 79.39 310 Pc 46 13.00 1.8
 MDJ 79.95 325 eP 46 15.20 1.4
 1.0s 19.00nm 4.6mb

CN2 81.74 322 eP 46 24.00 1.1
 1.0s 17.00nm 4.5mb
 SNG 84.23 280 eP 46 40.80 5.0X
 XAN 87.65 307 P 46 53.00 1.3
 1.0s 22.00nm 4.8mb

KMI 88.95 297 Pd 47 01.00 2.9X
 1.2s 50.00nm 5.2mb
 CHTO 89.90 290 ePd 47 05.30 3.0X
 1.0s 12.50nm 4.7mb

KSP 147.08 343 iPKPd 53 42.30 4.0X
 SPC 147.27 337 ePKP 53 37.20 -1.7
 CLL 147.45 347 iPKP 53 42.90 4.0X
 1.1s 28.00nm

PRU 148.32 344 PKP 53 45.20 4.9X
 MOX 148.36 348 ePKP 53 44.80 4.4X
 PSZ 148.46 337 e(PKP) 53 45.90 5.2X
 ZST 149.20 340 i(PKP) 53 47.60 5.9X
 GRF 149.35 348 ePKPd 53 48.00 6.1X
 KHC 149.36 345 PKP 53 48.10 6.2X
 0.8s 10.50nm

GEC2 149.59 344 PKP 53 42.50 0.1
 1.1s 1.21nm
 e 53 48.30
 e 53 54.90

DOU 149.80 356 PKPc 53 49.00 6.5X
 WLF 150.11 354 PKP 53 50.00 7.1X
 S.D. = 0.9 on 39 of 64 obs.

* SEP 21, 1993 12h 41m 00.53± 1.97s
 42.287 N ± 13.9km 122.060 W ± 8.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.7 (GS). MD 2.3 (SEA).

LHEM 0.67 190 P 41 14.55 0.6
 LGMM 0.71 166 P 41 14.81 0.1
 LMHM 0.77 157 P 41 16.85 0.7
 LASM 0.78 152 P 41 15.80 -0.4
 LMPM 0.80 185 P 41 16.30 -0.4
 LGBM 0.95 186 P 41 19.73 0.5
 LBFM 0.95 172 eP 41 18.87 -0.3
 eS 41 32.09

LBKM 1.28 201 P 41 24.27 -0.6
 KSXM 1.43 252 P 41 27.53 0.3
 KOMM 1.45 226 P 41 27.73 0.2
 LGPM 1.49 203 eP 41 27.55 -0.5
 eS 41 46.60

FHC 2.07 225 (P) 41 36.36 -0.1
 ORV 2.76 171 (P) 41 46.25 0.0
 S.D. = 0.5 on 13 of 13 obs.

? SEP 21, 1993 12h 57m 13.67± 4.88s
 38.532 N ± 12.4km 0.386 W ± 45.2km
 DEPTH = 5.0km (geophysicist)
 SPAIN (377)
 mbLg 2.7 (MDD).

ACU 0.03 223 iPc 57 13.94 -1.0
 eS 57 16.50
 EALH 1.06 231 eP 57 35.00 0.9
 ECHE 1.15 337 eP 57 36.02 0.4
 eS 57 53.40

EVIA 1.66 274 eP 57 43.47 -0.2
 EHUE 1.88 248 eP 57 47.02 0.2
 EBAN 2.70 263 eP 57 57.47 -1.1
 S.D. = 1.0 on 6 of 6 obs.

SEP 21, 1993 13h 00m 13.89± 0.59s

49.177 N ± 4.2km 6.903 E ± 7.0km
 DEPTH = 10.0km (geophysicist)
 GERMANY (543)
 ML 2.6 (STR).

RUP 0.54 11 ePg 00 24.70 0.0
 LANF 0.62 108 Pg 00 27.03 0.6
 WLF 0.69 315 iPc 00 27.43 -0.1
 iS 00 36.72

CDF 0.80 162 Pg 00 28.48 -1.1
 Sg 00 39.41
 WLS 0.82 159 Pg 00 28.63 -1.2
 ABH 0.82 30 ePg 00 29.90 0.1
 ECH 0.98 170 Pg 00 32.62 0.2
 Sg 00 44.56

VITF 1.14 213 Pg 00 34.59 -0.6
 MOF 1.33 173 Pg 00 38.50 -0.1
 FEL 1.50 150 Pg 00 41.71 0.8
 LOMF 1.83 182 Pg 00 47.77 2.1
 GEC2 4.49 92 Pn 01 22.90 -0.6
 Sg 02 39.80

S.D. = 1.0 on 12 of 12 obs.

SEP 21, 1993 13h 09m 08.51± 0.25s
 0.356 N ± 4.8km 16.394 W ± 4.7km
 DEPTH = 10.0km (geophysicist)
 5.4mb (73 obs.) 4.7MsZ (12 obs.)
 NORTH OF ASCENSION ISLAND (407)

LIC 12.75 63 P 12 10.70 -2.0
 1.3s 98.50nm 5.9mb
 Z 20s 57.50um
 S 14 19.78

KDS 12.82 19 iP 12 10.00 -3.7X
 iS 14 23.30
 TIC 12.95 61 P 12 12.66 -2.8X
 0.5s 9.50nm 5.3mb
 S 14 27.16

KIC 13.07 63 P 12 14.66 -2.3
 0.6s 14.50nm 5.3mb
 TT 21 48.00

MBO 13.96 358 iP 12 37.60 9.0X
 iS 14 51.10
 SOB1 26.18 248 eP 14 47.40 2.1
 TIO 31.61 15 iPd 15 34.00 0.0
 AVE 33.84 14 eP 15 54.00 0.8
 e 16 10.00

IFR 34.64 17 iPd 16 01.00 0.6
 EPRU 37.86 15 eP 16 29.04 1.6
 ECOG 38.60 16 eP 16 34.54 0.8
 EH0R 38.67 14 eP 16 35.02 0.9
 ELUQ 38.68 15 eP 16 35.29 1.0
 ENIJ 38.73 18 eP 16 36.45 1.8
 EBAN 39.37 16 eP 16 40.25 0.2
 EHUE 39.39 17 eP 16 41.13 0.9
 WIN 39.78 127 eP 16 46.00 2.2
 1.0s 30.00nm 4.9mb

PAB 40.53 14 iPc 16 50.10 0.5
 eS 23 06.00
 EPLA 40.62 12 eP 16 51.27 0.9
 PPD 40.67 235 (P) 16 52.00 1.1
 ECHE 41.51 18 eP 16 58.91 1.3
 GUD 41.61 14 eP 16 59.84 1.3
 EGRA 44.10 17 eP 17 20.52 1.9
 ELIZ 44.65 15 eP 17 22.48 -0.7
 EPF 45.06 17 eP 17 27.10 0.7
 1.4s 53.15nm 5.3mb

POF 45.58 134 eP 17 15.00 -15.7X
 0.6s 17.00nm
 LSZ 46.70 111 iPc 17 41.00 1.1
 LPO 46.81 17 eP 17 40.40 0.2
 1.4s 48.80nm 5.4mb

LFF 46.92 17 eP 17 41.50 0.5
 1.4s 116.30nm 5.8mb
 SIV 46.98 248 P 17 41.90 -0.1
 CAF 47.30 18 eP 17 44.00 -0.1
 1.4s 65.35nm 5.5mb

CER 47.44 138 eP 17 43.50 -1.9
 1.5s 100.00nm 5.7mb
 LMR 47.44 23 eP 17 45.40 0.2
 1.2s 37.80nm 5.4mb

RJF 47.48 17 eP 17 45.50 0.0
 1.5s 64.25nm 5.5mb
 Z 19s 0.75um 4.7MsZ

LRG 47.49 22 eP 17 46.00 0.5
 1.4s 55.35nm 5.5mb
 Z 23s 1.42um 4.9MsZ

FRF	47.69	23 eP	17 47.20	0.1	MCP	52.91	293 P	18 20.30	-7.2X	Z	19s	0.50um	4.7MsZ
	1.4s	49.65nm		5.4mb	VBY	52.91	28 eP	18 26.60	-0.4	LMN	62.07	324 eP	19 31.50 -0.3
PGF	47.80	25 eP	17 48.10	-0.1			e	18 34.40		HFS	64.00	16 eP	19 42.30 -1.9
	1.6s	51.60nm		5.4mb	LJU	52.99	27 eP	18 28.00	0.4		1.0s	43.90nm	5.6mb
SUR	47.88	136 iPc	17 57.00	7.9X			e	19 29.00		Z	18s	0.53um	4.8MsZ
	1.5s	160.00nm		5.9mb	LIT	53.06	37 iP	18 26.14	-2.1			LR	41 31.00
MFF	48.21	15 eP	17 51.00	-0.2	KBA	53.28	25 iPc	18 29.10	-0.8	NB2	64.11	15 P	19 44.00 -1.0
	1.5s	76.80nm		5.6mb		1.2s	25.10nm		5.0mb		1.3s	35.30nm	5.4mb
SBF	48.25	23 eP	17 51.70	0.1			i	18 30.40		MNK	64.47	27 eP	19 50.00 2.6X
	1.2s	53.85nm		5.5mb	DCN	53.35	7 eP	18 30.20	0.1	BNH	65.45	320 eP	19 53.36 -0.5
LSF	48.34	17 eP	17 52.20	0.0		1.0s	162.00nm		5.9mb	PAL	65.76	316 eP	19 55.77 -0.2
	1.4s	93.25nm		5.7mb	DLF	53.39	7 eP	18 30.60	0.2	TBR	66.03	316 eP	19 56.35 -1.4
IMI	48.47	23 P	17 53.85	0.6		1.1s	160.00nm		5.9mb	RSNY	67.56	319 eP	20 07.23 -0.1
STV	48.52	23 P	17 54.76	1.0	ZAG	53.48	28 iP	18 33.00	1.8		1.1s	21.02nm	5.2mb
ENR	48.55	23 P	17 54.94	1.0	PTV	53.53	28 eP	18 31.90	0.2	BINY	67.65	316 eP	20 07.88 -0.2
TCF	48.57	17 eP	17 54.50	0.5	BHG	53.59	24 iPd	18 31.20	-0.8		1.2s	45.88nm	5.5mb
	1.6s	72.15nm		5.5mb		1.2s	33.00nm		5.2mb	NUR	67.76	21 iP	20 08.50 0.2
MAF	48.62	17 eP	17 54.90	0.5	CNCB	53.61	249 P	18 29.90	-3.3X	PYA	68.23	42 iP	20 12.00 0.4
	1.4s	94.10nm		5.7mb			i	19 39.50			1.3s	150.00nm	6.0mb
PZZ	48.66	22 P	17 55.59	0.7	SKO	53.63	35 iP	18 33.00	0.7	KAF	69.45	20 iP	20 18.10 -0.6
ROB	48.78	23 P	17 55.63	-0.1		1.3s	110.00nm		5.7mb		0.7s	21.10nm	5.4mb
FIN	48.84	23 P	17 55.40	-0.7	LPZ	53.63	249 Pd	18 32.00	-1.5	OBN	69.45	29 iPc	20 18.50 -0.3
RRL	48.89	22 P	17 57.37	0.6			LR	34 52.00			1.2s	66.00nm	5.7mb
BGF	49.01	18 eP	17 57.80	0.5	LPB	53.65	249 eP	18 30.00	-3.4X	Z	16s	0.50um	4.9MsZ
KSR	49.22	125 eP	18 03.00	3.4X			eLR	36 10.00		N	16s	0.40um	
	1.3s	120.00nm		5.8mb	ENN	53.68	17 eP	18 32.00	-0.6		i		20 43.50
PCP	49.25	23 P	17 59.20	-0.1		1.3s	110.90nm		5.7mb	GRO	69.77	43 iP	20 23.00 2.0
LPF	49.32	14 eP	17 59.60	-0.1			e	18 44.50			1.0s	160.00nm	6.1mb
AVF	49.37	18 eP	18 00.30	0.2	SOH	54.02	37 iP	18 35.66	0.4	MYNC	71.68	307 eP	20 31.81 -1.1
	1.5s	32.40nm		5.1mb	BNS	54.24	18 iPc	18 37.80	1.1		0.8s	12.27nm	5.1mb
LPG	49.37	21 eP	18 01.20	0.6	SRS	54.34	37 eP	18 37.70	0.1	ELC	76.16	308 eP	20 57.19 -1.6
	1.2s	41.95nm		5.3mb	GRF	54.54	22 ePc	18 38.10	-0.8	DAG	76.34	359 iPc	21 00.30 1.3
LPL	49.38	21 eP	18 01.20	0.7		1.0s	25.00nm		5.2mb		1.0s	23.00nm	5.2mb
	1.2s	40.45nm		5.3mb	Z	22s	0.40um		4.4MsZ	FVM	77.22	309 eP	21 03.20 -1.5
SMF	49.39	18 eP	18 00.30	0.0			e	18 48.60			1.3s	37.54nm	5.3mb
	1.1s	15.15nm		4.9mb			e	18 57.00		ASH	77.77	51 eP	21 08.50 0.8
LSD	49.49	22 P	18 02.22	0.8	WET	54.73	23 eP	18 39.50	-0.9	MAIO	78.43	53 eP	21 12.00 0.5
SSF	49.66	18 eP	18 02.60	0.3		1.3s	102.00nm		5.7mb		1.0s	12.50nm	4.9mb
	1.6s	67.15nm		5.4mb	GEC2	54.82	24 e(P)	18 40.40	-0.7	UYO	79.93	305 iPd	21 18.60 -1.0
GRR	49.70	14 eP	18 02.30	-0.3		1.1s	21.60nm		5.1mb	ARU	81.43	33 eP	21 27.00 0.0
	1.4s	93.25nm		5.6mb	KHC	54.99	24 P	18 41.50	-0.8		1.2s	100.00nm	5.7mb
LBF	49.73	18 eP	18 02.90	-0.1		1.3s	30.00nm		5.2mb	SVE	82.61	33 iPc	21 33.50 0.3
	1.3s	36.10nm		5.2mb	Z	18s	0.60um		4.7MsZ		1.1s	60.00nm	5.7mb
ORX	49.95	22 P	18 02.68	-2.0	N	18s	0.50um			Z	17s	0.50um	5.0MsZ
LOR	49.95	18 eP	18 04.40	-0.2	E	18s	0.20um			N	17s	0.50um	
	1.4s	31.80nm		5.1mb			e	18 50.00		E	17s	0.30um	
Z	20s	0.73um		4.7MsZ			eP	21 48.50		ULM	83.00	321 eP	21 38.50 3.2X
LDF	50.06	14 eP	18 05.10	-0.3	WTS	55.03	17 eP	18 42.00	-0.5	MEO	83.38	305 iPc	21 37.10 -0.5
	1.4s	46.20nm		5.3mb		1.0s	74.40nm		5.7mb	WMOK	83.53	305 eP	21 37.63 -0.8
BLF	50.11	129 eP	18 01.00	-5.3X			e	18 51.00			1.1s	19.83nm	5.2mb
DIX	50.11	21 ePd	18 06.90	0.7	MOX	55.47	21 eP	18 45.40	-0.3	MAW	86.23	158 P	21 53.80 2.6X
FLN	50.14	14 eP	18 06.70	0.7		1.3s	24.00nm		5.1mb		1.1s	27.17nm	5.3mb
	1.5s	62.70nm		5.4mb	Z	19s	0.50um		4.6MsZ	LTX	87.45	299 eP	21 56.94 -1.1
Z	19s	1.50um		5.0MsZ			eS	26 33.00		RSSD	88.06	314 eP	22 00.96 0.1
MMK	50.29	22 ePd	18 08.00	0.5	WIT	55.71	17 eP	18 50.00	2.7X		1.1s	7.12nm	4.9mb
SLR	50.31	124 iPc	18 07.00	-0.8	ZST	55.77	27 eP	18 47.10	-0.8	GOL	88.99	310 eP	22 05.47 0.0
	1.5s	70.00nm		5.4mb			e	19 47.00			1.1s	20.24nm	5.3mb
TMA	50.68	23 ePd	18 10.80	0.4	EKA	55.86	9 Pc	18 57.90	9.5X	SPA	90.36	180 iPc	22 12.60 1.4
VDL	51.23	23 P	18 15.00	0.4		1.1s	19.70nm		5.1mb		1.2s	19.72nm	5.3mb
BBS	51.33	21 P	18 14.72	-0.4	SRO	56.04	28 iP	18 52.90	3.1X	FRU	90.50	47 eP	22 14.00 1.8
LLS	51.37	22 ePd	18 16.10	0.5	PRU	56.06	24 eP	18 49.00	-0.9		1.8s	50.00nm	5.5mb
OSS	51.66	23 ePd	18 17.30	-0.5		1.4s	14.90nm		4.8mb	KSH	91.61	51 eP	22 19.90 2.4
ZLA	51.66	21 ePd	18 17.30	-0.3	Z	18s	0.50um		4.6MsZ	PV10	91.86	308 eP	22 19.32 0.5
BFT	51.75	124 eP	18 18.50	-0.4			e	19 07.50		PV09	91.93	308 (P)	22 20.25 1.1
ECH	51.85	20 P	18 17.59	-1.5			eP	21 48.00		SRU	92.99	309 eP	22 24.66 0.8
FEL	51.86	21 P	18 18.19	-1.1	BZS	56.12	31 eP	18 36.00	-14.4X	EMUT	93.18	310 eP	22 25.30 0.5
SLE	51.94	21 ePd	18 19.50	-0.2	CLL	56.52	22 iP	18 51.50	-1.7	DAU	93.48	310 eP	22 26.99 0.7
CDF	52.06	20 P	18 19.92	-0.8		1.3s	31.00nm		5.2mb	MSU	94.31	308 eP	22 30.96 0.9
WLS	52.09	20 P	18 20.12	-0.8	BRG	56.52	23 iP	18 52.30	-1.0	NRI	94.75	20 eP	22 32.00 0.9
OGA	52.15	24 eP	18 21.40	-0.2		1.4s	40.00nm		5.3mb	Z	22s	1.80um	5.5MsZ
	1.2s	34.00nm		5.2mb	Z	20s	0.56um		4.7MsZ	WMQ	99.90	45 P	22 55.40 0.2
PORP	52.39	293 P	18 29.00	5.5X			e	19 02.00		Z	20s	0.43um	5.0MsZ
TRI	52.39	26 eP	18 22.40	-0.7	PSZ	56.85	28 eP	18 55.60	-0.2	CN2	124.41	33 ePKP	28 09.60 -0.1
SQTA	52.51	23 iPc	18 22.70	-1.5	KSP	57.43	24 eP	18 59.00	-0.7	NJ2	126.85	48 ePKP	28 15.00 0.2
DOU	52.70	17 P	18 26.90	1.6			e	21 03.00		MAT	136.37	30 ePKP	28 32.00 -0.8
	1.1s	69.20nm		5.5mb	SPC	57.92	28 iP	18 56.30	-7.1X		1.2s	9.38nm	
VOY	52.70	26 ePc	18 25.30	-0.2	MLR	58.38	34 ePc	19 05.00	-1.6	ASPA	143.02	131 iPKPd	28 40.70 -4.5X
		e	18 36.20		OJC	58.46	26 eP	19 07.50	0.6		1.0s	12.30nm	
		e	19 01.70		UZH	58.51	29 ePc	19 06.20	-1.0		i		32 23.10
		e	19 21.20			1.2s	125.00nm		5.9mb	WRA	145.36	126 PKP	28 49.50 0.2
OHR	52.70	35 eP	18 27.00	1.4			e	19 56.70			1.0s	26.80nm	
WTTA	52.72	24 iPc	18 24.20	-1.6	VRI	59.04	34 ePc	19 05.00	-6.1X	WB2	145.37	126 ePKP	28 48.50 -0.8
	1.1s	46.50nm		5.3mb	MUD	59.61	16 iPd	19 15.40	0.6		1.1s	47.90nm	
LANF	52.73	20 P	18 25.38	-0.3		1.1s	57.00nm		5.6mb		i		29 44.80
WATA	52.75	24 iPc	18 24.60	-1.4	CLI	59.76	33 eP	19 15.00	-1.0	ARMA	148.01	160 ePKP	28 57.20 3.8X
MGP	52.79	292 P	18 25.40	-1.1	PEL	60.90	231 iPd	19 23.50	-0.6	QIS	149.12	132 ePKP	29 00.00 4.7X
FNA	52.82	36 iP	18 28.18	1.6	KIS	60.91	34 eP	19 22.00	-1.8	CTA	154.06	140 ePKP	29 11.00 8.5X

21d 13h

0.9s 52.94nm
S.D. = 1.0 on 163 of 187 obs.

? SEP 21, 1993 13h 09m 43.54± 8.09s
42.342 N ±57.1km 122.217 W ±17.2km
DEPTH = 5.0km (geophysicist)

OREGON (32)
MD 2.5 (GS).

LGMM	0.79	159	P	09	59.52	0.0
LMPM	0.85	177	P	10	00.65	0.0
LMHM	0.87	151	P	10	00.97	0.1
LGBM	1.00	179	P	10	03.13	0.1
LBFM	1.02	166	eP	10	03.42	-0.1
			eS	10	16.63	
LGPM	1.50	198	eP	10	11.25	0.0
			eS	10	30.16	

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

? SEP 21, 1993 13h 15m 14.89± 8.19s
57.980 N ±65.8km 6.204 E ±27.9km
DEPTH = 10.0km (geophysicist)

NORTH SEA (534)
MD 3.0 (BER).

KMY	1.33	338	eP	15	39.86	0.4
			eS	15	55.65	
BLS5	1.45	5	eP	15	40.90	-0.3
			eS	15	56.08	
ODD1	1.95	6	eP	15	49.29	0.9
			eSg	16	10.71	
EGD	2.35	348	eP	15	53.95	-0.2
			eSg	16	23.48	
ASK	2.56	349	eP	15	56.52	-0.6
			eS	16	24.64	
HYA	3.20	360	eP	16	06.34	0.3
			eS	16	37.81	
			eSg	16	49.74	
NRA0	3.89	42	ePn	16	15.38	-0.5
			ePg	16	22.12	
			eSn	16	59.17	
			eLg	17	11.22	
HFS	4.43	58	eP	16	23.40	-0.2
	0.1s				1.60nm	
MOL	4.65	8	eP	16	25.75	-1.1
			eS	17	14.37	
ARA0	14.30	28	eP	18	40.47	1.4

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

? SEP 21, 1993 13h 18m 37.10± 8.07s
42.311 N ±57.0km 122.186 W ±16.0km
DEPTH = 5.0km (geophysicist)

OREGON (32)
MD 2.5 (GS), 2.0 (SEA).

LGMM	0.76	160	P	18	52.56	0.1
LMPM	0.82	179	P	18	54.47	0.8
LMHM	0.83	152	P	18	54.79	1.0
LASM	0.84	147	P	18	53.08	-1.0
LGBM	0.97	180	P	18	55.00	-1.1
LBFM	0.99	167	eP	18	56.34	-0.1
LGPM	1.48	199	eP	19	04.67	0.2
			eS	19	27.13	

S.D. = 1.0 on 7 of 7 obs.

* SEP 21, 1993 14h 03m 17.73± 3.56s
42.198 N ±25.5km 122.156 W ± 9.1km
DEPTH = 5.0km (geophysicist)

OREGON (32)
ML 3.0 (GS).

LGMM	0.64	158	P	03	31.28	0.6
LMPM	0.71	180	P	03	32.36	0.4
LMHM	0.72	149	P	03	32.90	0.7
LASM	0.74	144	P	03	31.77	-0.7
LGBM	0.85	182	P	03	35.00	0.2
LBFM	0.87	167	eP	03	34.77	-0.4
			eS	03	48.84	
LBKM	1.18	199	P	03	39.95	-0.3
KOMM	1.34	227	P	03	43.50	0.6
LGPM	1.38	202	eP	03	43.21	-0.5
			eS	04	01.39	
WDC	1.64	190	eP	03	46.08	-1.3
KMPM	2.31	220	(P)	03	57.69	0.5
ORV	2.69	169	(P)	04	03.60	1.2

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

* SEP 21, 1993 14h 23m 04.49± 1.21s
18.668 S ± 8.5km 177.891 W ±12.1km
DEPTH = 571.4 ± 11.7 km
5.1mb (14 obs.)
FIJI ISLANDS REGION (181)

SVA	3.51	278	eP	24	25.30	0.3
DZM	15.07	254	iPc	26	14.60	0.7
			iS	28	53.10	
OUZ	18.14	203	P	26	47.70	4.4X
KUZ	18.87	196	eP	26	53.10	2.9X
WLZ	19.96	195	P	27	02.90	2.6X
URZ	20.00	192	P	26	59.60	-1.1
NOZ	20.19	189	P	27	02.80	0.4
PGZ	22.44	192	eP	27	21.40	-1.5
MNG	22.61	193	eP	27	23.10	-1.3
QRZ	23.57	198	P	27	34.10	1.1
THZ	24.32	197	eP	27	38.80	-1.0
LTZ	25.44	197	eP	27	48.40	-1.3
WVZ	26.16	199	eP	27	55.80	-0.1
MQZ	26.20	196	eP	27	54.90	-1.3
LMZ	27.21	201	P	28	05.40	0.4
	0.6s				237.00nm	6.0mb
BWZ	27.74	199	P	28	08.60	-1.0
LRCZ	28.39	199	P	28	15.20	-0.3
MSCZ	28.40	199	P	28	16.10	0.7
MHZ	28.41	199	P	28	15.10	-0.5
LSCZ	28.43	199	P	28	15.20	-0.5
CMCZ	28.49	199	P	28	16.70	0.4
TLC	28.59	199	P	28	17.10	-0.1
TUZ	29.11	198	P	28	22.30	0.9
ARMA	30.00	241	iPd	28	30.30	0.9
SIZ	30.39	199	eP	28	34.10	1.8
RTV	31.45	235	iPd	28	43.10	1.6
	0.7s				1095.89nm	6.6mb X
CNB	33.36	234	iPd	28	59.50	1.8
	0.6s				162.00nm	5.8mb
CAN	33.64	234	iPd	29	01.30	1.3
BWA	33.79	236	iPd	29	00.40	-0.8
CTA	33.81	262	iPd	29	01.40	-0.1
	0.8s				1311.94nm	6.6mb X
			eS	33	44.60	
			iScP	34	17.40	
PMG	35.07	280	eP	29	13.00	1.0
TOO	37.08	232	iPd	29	30.00	1.7
	0.4s				161.00nm	6.0mb
STK	38.71	242	iPd	29	43.00	1.4
	1.1s				88.90nm	5.3mb
QIS	40.00	260	iPd	29	51.30	-0.9
ADE	41.65	238	eP	30	06.40	1.2
MTN	49.28	269	eP	31	02.10	-1.8
	0.7s				144.00nm	5.6mb
FORT	50.13	245	iPd	31	09.20	-0.7
COOL	56.08	245	iPd	31	51.00	-1.3
	0.4s				27.00nm	4.9mb
MBL	58.28	256	iPd	32	06.20	-1.2
	0.4s				44.00nm	5.1mb
MEEK	58.63	250	iPd	32	08.50	-1.2
	0.4s				34.00nm	5.0mb
KLB	58.93	244	iPd	32	10.70	-0.9
	0.6s				62.00nm	5.1mb
NWAO	59.29	242	eP	32	13.20	-0.8
RKG	59.40	240	eP	32	14.40	-0.3
	0.6s				18.00nm	4.5mb
BAL	59.91	245	iPd	32	17.20	-0.9
	0.5s				42.00nm	5.0mb
MUN	60.22	243	iPc	32	20.10	-0.1
MRWA	60.65	246	iPd	32	22.10	-0.9
	0.3s				7.00nm	4.5mb
NANU	61.99	254	iPd	32	31.50	-0.2
CSY	65.66	205	iPc	32	54.80	0.5
	0.8s				32.30nm	4.9mb
MAT	68.81	323	eP	33	11.00	-2.8
SPA	71.45	180	iPc	33	30.50	1.4
	0.8s				5.42nm	4.1mb X
LEM	73.19	268	ePd	33	54.00	14.0X
SNG	84.28	280	eP	34	39.80	1.7
CHTO	89.72	290	ePd	35	03.70	0.1
	0.9s				9.59nm	4.7mb
NB2	137.18	353	PKP	41	23.80	-0.5
	0.7s				1.20nm	
KSP	145.97	344	iPKP	41	40.10	0.2
SPC	146.22	338	ePKP	41	35.10	-5.5X
CLL	146.31	348	iPKPd	41	40.90	0.5
	0.9s				28.00nm	
BRG	146.52	346	iPKP	41	41.90	1.2
	0.7s				18.00nm	

PRU 147.20 345 PKP 41 43.50 1.6
eSg 43 54.50
ZST 148.12 341 ePKP 41 45.20 1.8X
GRF 148.19 349 iPKPd 41 46.70 3.2X
KHC 148.23 346 ePKP 41 45.00 1.4
GEC2 148.47 345 PKP 41 42.70 -1.3
0.8s 0.77nm
DOU 148.58 357 PKPc 41 47.20 3.2X
WLF 148.91 355 PKP 41 50.00 5.5X
FLN 149.91 3 ePKP 41 49.80 3.7X
0.6s 6.05nm
CDF 150.04 353 ePKP 41 50.40 4.0X
0.9s 10.95nm
LDF 150.09 3 ePKP 41 50.10 3.8X
0.6s 3.25nm
GRR 150.26 4 ePKP 41 50.70 4.1X
0.6s 7.05nm
HAU 150.53 354 ePKP 41 51.50 4.4X
0.6s 6.60nm
LPF 150.60 4 ePKP 41 51.60 4.5X
0.7s 14.00nm
BSF 150.66 354 ePKP 41 51.70 4.3X
0.8s 9.40nm
VBY 151.10 341 iPKP 41 53.30 5.4X
LOR 151.44 358 ePKP 41 53.60 5.2X
0.6s 6.05nm
SSF 151.66 358 ePKP 41 54.20 5.5X
0.9s 13.10nm
LBF 151.72 357 ePKP 41 54.10 5.2X
0.9s 7.70nm
AVF 151.93 358 ePKP 41 54.20 5.1X
MFF 152.08 3 ePKP 41 54.80 5.5X
0.6s 4.70nm
BGF 152.18 359 ePKP 41 55.30 5.8X
0.7s 5.30nm
TCF 152.46 360 ePKP 41 55.70 5.8X
0.9s 5.10nm
LSF 152.49 1 ePKP 41 55.60 5.7X
0.7s 6.50nm
MAF 152.52 359 ePKP 41 56.30 6.3X
LPL 152.95 353 ePKP 41 57.80 6.9X
LPG 152.97 353 ePKP 41 58.00 7.0X
S.D. = 1.1 on 56 of 84 obs.

& SEP 21, 1993 14h 28m 49.00s
42.300 N 122.000 W
DEPTH = 5.0km (geophysicist)

OREGON (32)
<SPEC>. MD 2.4 (GS). Held to
mainshock location.

LGMM	0.71	170	P	29	03.52	0.3
LASM	0.77	156	P	29	04.09	-0.5
LGBM	0.97	189	P	29	07.84	-0.2
LBKM	1.31	203	P	29	12.90	-0.9
LGPM	1.52	204	eP	29	15.88	-1.1
			eS	29	36.14	

5 obs. associated

SEP 21, 1993 14h 51m 15.80± 0.81s
42.126 N ± 6.1km 122.157 W ± 6.4km
DEPTH = 5.0km (geophysicist)

OREGON (32)
ML 2.8 (GS). MD 2.4 (SEA).

LGMM	0.58	155	P	51	28.01	0.6
LASM	0.68	140	P	51	29.45	0.0
LGBM	0.78	182	P	51	32.34	0.7
LBFM	0.80	166	eP	51	31.95	-0.1
			eS	51	44.67	
LBKM	1.11	200	P	51	37.13	0.0
KOMM	1.29	229	P	51	40.43	0.2
LGPM	1.31	203	eP	51	40.59	-0.1
KSXM	1.32	258	P	51	40.40	-0.3
WDC	1.57	191	eP	51	45.10	0.7
ORV	2.62	169	(P)	51	57.47	-2.0
VGB	3.53	16	(P)	52	12.70	0.2

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

% SEP 21, 1993 15h 06m 49.27± 0.93s
44.165 N ± 7.4km 8.153 E ± 6.0km
DEPTH = 5.0km (geophysicist)

NORTHERN ITALY (545)
ML 1.9 (GEN).

FIN	0.06	42	P	06	50.86	0.0
			S	06	52.05	

			S	11	56.00	
SLR	0.81	36	iPc	11	50.20	-0.5

21d 17h

KSR	0.93	304	eP	11	59.50	-0.6
BFS	1.00	240	iPc	11	55.00	1.2
			S	12	09.40	
BFT	2.18	72	eP	12	12.90	0.9
			S	12	39.00	
SWZ	2.30	250	eP	12	14.00	0.3
			S	12	40.10	
BLF	3.04	207	iPc	12	24.50	0.5
			S	12	59.00	
HVD	4.64	205	e(P)	12	46.00	-0.8
GRM	6.97	188	e(P)	13	19.00	-0.6
			S	14	08.00	
SUR	8.49	224	eP	13	32.00	-9.1X
			(S)	15	07.00	

S.D. = 0.9 on 9 of 10 obs.

SEP 21, 1993 17h 31m 14.10± 0.50s
 39.322 S ± 3.1km 176.199 E ± 3.8km
 DEPTH = 75.4 ± 8.3 km

NORTH ISLAND, NEW ZEALAND (159)

WAHZ	0.40	162	Pc	31	26.70	-0.1
TAHZ	0.46	66	eP	31	27.20	-0.2
NGZ	0.49	287	Pd	31	27.30	-0.3
DRZ	0.50	275	P	31	27.50	-0.4
CNZ	0.52	283	Pc	31	27.70	-0.2
THZ	0.53	114	P	31	28.20	0.3
PAHZ	0.81	55	P	31	30.80	-0.1
TEHZ	0.82	145	eP	31	31.30	0.4
PATZ	0.94	3	P	31	32.30	-0.2
BSZ	1.09	244	P	31	35.70	1.5
TAZ	1.11	13	P	31	34.40	-0.1
URZ	1.28	34	P	31	36.00	-0.7
			S	31	51.40	
PGZ	1.30	177	P	31	37.40	0.5
MOZ	1.36	306	P	31	38.10	0.3
			eS	31	54.60	
MNG	1.41	203	P	31	39.00	0.6
			eS	31	55.30	
WLZ	1.53	342	P	31	40.30	0.3
			eS	31	59.20	
NOZ	1.60	64	P	31	41.00	0.1
KIW	1.83	212	P	31	44.50	0.4
CAW	1.98	206	eP	31	46.00	-0.2
PUZ	2.04	53	eP	31	47.60	0.6
BLW	2.12	195	eP	31	47.40	-0.6
MOW	2.22	199	P	31	48.30	-1.1
MRW	2.22	210	P	31	49.20	-0.3
WEL	2.25	209	eP	31	50.00	0.2
DIW	2.29	229	P	31	50.60	0.2
TCW	2.39	217	P	31	51.20	-0.6

S.D. = 0.6 on 26 of 26 obs.

SEP 21, 1993 17h 34m 00.10± 0.29s
 42.252 N ± 2.3km 122.136 W ± 5.0km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 3.2 (GS), 3.5 (BRK). MD 2.8 (SEA).

LHEM	0.63	186	P	34	12.81	0.2
YBH	0.67	220	ePd	34	13.37	-0.2
			iS	34	23.63	
LGMM	0.69	161	P	34	13.69	-0.2
LMHM	0.76	152	P	34	15.78	0.2
LMPM	0.76	181	P	34	15.34	-0.2
LASM	0.77	147	P	34	14.76	-1.0
LGPM	0.91	183	P	34	18.07	0.0
LBFM	0.92	168	eP	34	17.78	-0.6
			eS	34	31.49	
LPDM	1.11	163	P	34	21.76	0.3
DBO	1.19	317	P	34	22.12	-0.7
			S	34	39.25	
LBKM	1.23	199	P	34	23.14	-0.4
KOMM	1.38	226	P	34	26.54	0.4
LGPM	1.44	201	eP	34	26.25	-0.7
			eS	34	43.68	
HSO	1.45	331	P	34	26.32	-0.8
			S	34	45.93	
HBO	1.60	355	P	34	28.31	-0.9
			S	34	49.63	
NCOR	1.63	26	P	34	28.39	-1.3
			S	34	50.82	
WDC	1.70	190	eP	34	30.22	-0.3
TCO	1.90	12	P	34	32.40	-1.2
MIN	1.95	168	P	34	34.00	-0.3

FHC	2.01	224	eP	34	36.45	1.4
RNO	2.03	325	P	34	36.69	1.2
FBO	2.08	351	P	34	35.40	-0.8
			S	35	03.45	
GMO	2.35	21	P	34	40.01	-0.1
BPO	2.42	8	P	34	41.93	0.7
VIPM	2.51	26	P	34	40.76	-1.7
SSOR	2.61	355	P	34	42.69	-1.1
			S	35	20.09	
ORV	2.74	170	eP	34	46.21	0.7
			eS	35	24.86	
VBEM	2.84	8	P	34	49.35	2.3
CROR	2.85	17	P	34	47.46	0.2
GT2	2.90	358	P	34	48.94	1.0
VGB	3.41	16	eP	34	57.12	2.1
LON	4.50	3	(P)	35	17.12	6.6X
BONR	5.20	144	(P)	35	21.63	0.9
HVU	6.99	91	(P)	35	46.48	0.7

S.D. = 1.0 on 33 of 34 obs.

? SEP 21, 1993 17h 48m 46.36± 4.00s
 42.305 N ± 28.0km 122.091 W ± 13.1km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.8 (GS).

LGMM	0.73	165	P	49	01.53	0.5
LASM	0.80	151	P	49	02.34	-0.2
LMPM	0.82	184	P	49	02.90	0.1
LGPM	0.96	185	P	49	05.47	0.1
LBFM	0.97	171	eP	49	05.28	-0.1
			eS	49	18.99	
LBKM	1.29	200	P	49	10.48	-0.4
KOMM	1.45	225	P	49	13.98	0.7
LGPM	1.50	202	eP	49	13.53	-0.5
WDC	1.76	191	eP	49	17.40	-0.2

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

SEP 21, 1993 18h 10m 57.00± 1.22s
 34.043 S ± 8.3km 71.183 W ± 7.4km
 DEPTH = 62.2 ± 12.3 km
 NEAR COAST OF CENTRAL CHILE (135)
 MD 4.4 (SAN). Felt (IV) at
 Talagante and (II) at Santiago.

LNW	0.21	295	iP	11	06.77	0.0
TACH	0.44	28	iP	11	08.51	-0.1
CACH	0.49	99	iP	11	09.70	0.4
LCCH	0.65	330	iP	11	10.46	-0.4
PCH	0.70	53	iP	11	11.44	-0.1
			iS	11	23.03	
SAN	0.73	37	iP	11	11.85	0.0
			iS	11	23.24	
PEL	0.99	25	iP	11	15.36	0.2
			iS	11	29.43	
FCH	1.03	46	iP	11	15.97	0.0
			iS	11	31.05	
ROCH	1.08	8	iP	11	16.41	-0.1
			iS	11	31.31	
IHA	1.08	339	iPc	11	16.60	0.2
			iS	11	30.80	
JACH	1.44	20	iP	11	21.22	-0.2
			iS	11	39.80	
RFA	2.36	109	ePd	11	34.40	0.3
RTCB	3.24	39	eP	11	47.50	0.8
ZON	3.26	41	eP	11	49.60	2.7X
CFA	3.47	46	e(P)	11	49.80	0.0
RTLL	3.54	41	eP	11	51.00	0.2
RTRS	4.13	21	e(P)	11	59.00	0.1
MRA	4.87	72	ePc	12	08.00	-1.4
RTPR	5.44	48	eP	12	14.00	-3.4X
CYA	7.24	41	eP	12	37.50	-5.0X

S.D. = 0.5 on 17 of 20 obs.

SEP 21, 1993 18h 53m 08.75± 0.52s
 4.525 S ± 9.7km 105.723 W ± 12.1km
 DEPTH = 10.0km (geophysicist)
 5.2mb (21 obs.) 5.3MsZ (23 obs.)
 CENTRAL EAST PACIFIC RISE (694)
 Mw 5.8 (HRV). Ms 5.4 (BRK).
 Mo=1.4*10**18 Nm (PPT).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 49S, 96C
 Centroid Location:
 Origin Time 18:53:17.8 0.2
 Lat 4.29S 0.02 Lon 105.84W 0.02

Dep 15.0 FIX Half-duration 2.0
 Moment Tensor; Scale 10**17 Nm
 Mrr=-0.34 0.09 Mtt= 1.43 0.10
 Mff=-1.09 0.14 Mrt= 0.00 0.00
 Mrf= 0.00 0.00 Mtf= 5.46 0.10
 Principal Axes:
 T Val= 5.78 Plg= 0 Azm=142
 N -0.34 90 180
 P -5.44 0 52
 Best Double Couple:Mo=5.6*10**17
 NP1:Strike=187 Dip=90 Slip=-180
 NP2: 277 90 0

UNM	24.56	15	(P)	58	45.00	14.6X
PSO	28.94	79	eP	59	11.50	0.5
ARE	35.62	112	eP	00	11.00	1.7
TUC	36.95	353	(P)	00	21.31	1.3
	1.2s	7.24nm				4.3mb
GLA	38.36	348	eP	00	31.91	0.1
LPZ	38.70	110	Pc	00	36.40	0.8
			S	06	35.50	
			LR	12	08.00	
LPB	38.78	111	eP	00	37.00	0.9
Z	18s	8.25um				5.6MsZ
			S	06	39.00	
			LR	12	12.00	
CNCB	38.96	111	Pc	00	37.00	-0.7
ANT	39.01	123	eP	00	36.50	-0.9
ALQ	39.26	359	eP	00	36.58	-3.0X
	1.5s	13.82nm				4.4mb
WMOK	39.60	9	P	00	50.00	7.9X
Z	20s	3.56um				5.2MsZ
PEC	39.71	345	eP	00	43.82	0.7
	1.8s	84.29nm				5.1mb
UYO	39.93	15	iPc	00	44.10	-0.7
MIAR	40.51	16	eP	00	48.54	-1.1
	0.7s	13.67nm				4.8mb
Z	19s	1.55um				4.9MsZ
GSC	40.96	346	eP	00	54.70	1.3
ABL	41.18	343	eP	00	55.49	0.1
TUL	41.29	12	iP	00	57.20	1.2
ISA	41.73	344	ePc	01	00.23	0.5
	1.7s	61.49nm				5.1mb
BCH	41.74	342	ePc	00	58.65	-1.2
OXF	41.76	20	(P)	01	00.45	0.6
ARUT	42.70	351	eP	01	07.84	0.0
PEL	43.33	135	iPc	01	11.00	-1.8
MTUM	43.35	345	eP	01	13.91	0.8
SLA	43.55	122	eP	01	14.50	-0.4
SAO	43.62	342	ePd	01	15.78	0.7
	2.0s	100.00nm				5.3mb
SRU	43.64	355	eP	01	15.89	0.5
TNP	43.71	347	(P)	01	16.47	0.4
	1.3s	31.82nm				5.0mb
MEMM	43.74	345	(P)	01	17.90	1.9
BONR	43.85	346	eP	01	17.17	-0.1
GLD	44.06	1	P	01	30.00	11.2X
Z	22s	2.67um				5.1MsZ
COE	44.15	342	(P)	01	20.09	0.8
ARN	44.19	342	(P)	01	21.41	1.7
MHC	44.21	342	ePd	01	20.99	1.0
	1.8s	120.00nm				5.4mb
Z	20s	4.40um				5.4MsZ
			iS	08	06.20	
			eLQ	11	29.20	
			eLR	12	59.20	
MYNC	44.32	26	eP	01	19.78	-1.0
	1.0s	8.03nm				4.5mb
Z	20s	1.83um				5.0MsZ
ELC	44.35	19	eP	01	21.01	0.1
CMB	44.48	343	eP	01	21.92	-0.2
	2.8s	162.62nm				5.4mb
FVM	44.62	17	eP	01	22.51	-0.6
	2.4s	289.58nm				5.7mb
Z	18s	2.16um				5.1MsZ
CYA	44.74	127	ePc	01	22.00	-2.3
GBTN	44.79	25	ePc	01	25.05	0.5
BKS	44.89	341	ePd			

21d 19h

ORV	Z 18s	1.08um	4.8MsZ	DEPTH = 15.2km (20 depth phases)	ANN	33.35	357 eP	18 15.00	-0.4
	46.21	343 eP	01 36.51	5.4mb (118 obs.) 5.0MsZ (19 obs.)	Z 12s	1.50um			4.9MsZx
	2.0s	160.00nm	5.7mb	ETHIOPIA (558)	E 14s	1.50um			
HVV	Z 19s	8.00um	5.7MsZ	Mw 5.7 (HRV).		eS	23 40.00		
		iS	08 29.67	CENTROID, MOMENT TENSOR (HRV)	TPE	33.53	332 eP	18 16.00	-1.1
		eLQ	11 41.67	Data Used: GDSN	SIM	33.69	353 iP	18 18.60	0.2
MIN		eLR	15 05.67	L.P.B.: 19S, 29C	POO	33.74	74 iPc	18 24.00	4.8X
	46.53	353 eP	01 38.32	Centroid Location:		iS	24 00.00		
	46.97	343 ePd	01 42.20	Origin Time 19:11:45.7 0.6	OHR	33.85	334 iP	18 18.70	-1.2
BW06	1.9s	70.00nm	5.4mb	Lat 11.19N 0.06 Lon 40.05E 0.07		1.8s	320.00nm		5.9mb
	47.21	356 eP	01 42.09	Dep 15.0 FIX Half-duration 1.6	SOI	33.85	325 P	18 21.37	1.5
	2.8s	122.55nm	5.5mb	Moment Tensor; Scale 10**17 Nm		1.7s	137.60nm		5.6mb
CEH	47.32	30 P	01 50.00	Mrr=-1.51 0.15 Mtt=-0.25 0.15	VLO	33.91	332 eP	18 19.10	-1.2
	Z 19s	4.85um	5.5MsZ	Mff= 1.76 0.17 Mrt= 2.26 0.46	PVL	33.97	341 eP	18 21.00	0.2
	47.46	343 eP	01 45.17	Mrf= 2.91 0.55 Mtf=-2.05 0.16	GMB	34.03	325 P	18 22.93	1.3
WDC	1.3s	32.84nm	5.3mb	Principal Axes:		1.2s	103.00nm		5.6mb
	47.85	343 eP	01 47.29	T Val= 3.61 Plg=23 Azm=255	VTs	34.14	338 eP	18 22.00	-0.5
	47.98	353 (P)	01 51.20	N 1.46 35 3	GRI	34.19	327 P	18 24.17	1.3
LBFM	47.98	344 eP	01 48.91	P -5.07 45 139		1.5s	101.20nm		5.5mb
	48.45	2 P	02 00.00	Best Double Couple:Mo=4.3*10**17	ATN	34.25	325 P	18 25.03	1.7
	Z 20s	1.88um	5.1MsZ	NP1:Strike=299 Dip=38 Slip=-159		1.8s	143.20nm		5.6mb
YBH	48.57	343 ePd	01 49.46	NP2: 192 77 -54	SKO	34.29	336 iPd	18 23.50	-0.2
	2.4s	180.00nm	5.7mb			1.7s	280.00nm		5.9mb
	Z 19s	2.80um	5.3MsZ	AAE 2.58 200 iPn 12 18.20 0.1	Z 14s	1.42um			4.9MsZx
MCMT		iS	09 00.52	ARO 3.15 89 iP+ 12 25.00 -0.9		i	18 27.50		14km
	49.54	353 eP	02 02.20	QASM 14.99 14 eP 15 13.40 4.4X		i	18 39.50		
	52.58	346 eP	02 24.25	HLW 19.85 338 eP+ 16 14.00 4.7X		LR	36 56.00		
SHW	52.89	25 P	02 40.00	BHL 22.62 351 Pd 16 38.00 0.5	TIR	34.45	333 eP	18 24.20	-0.8
	Z 20s	1.26um	5.0MsZ		MNO	34.53	324 P	18 28.38	2.4
	53.00	346 (P)	02 26.42	KER 23.77 15 iPd 16 50.80 2.0		1.1s	164.60nm		5.9mb
DPW	53.31	350 eP	02 28.76	FAM 23.97 349 eP 16 54.00 3.5X	LACI	34.75	333 eP	18 27.50	0.0
	53.51	351 eP	02 30.01	CSS 24.07 347 eP 16 54.00 2.4	BUC1	34.79	343 ePd	18 28.00	0.2
	1.6s	76.21nm	5.4mb	PPCY 24.23 345 eP 16 56.00 3.0X	GIB	34.95	323 P	18 31.14	1.6
TBR	53.80	29 (P)	02 29.78	GAZ 25.68 356 eP 17 07.70 0.8		1.5s	193.90nm		5.8mb
	53.99	346 eP	02 33.95	ELL 26.65 342 iP 17 17.00 1.0	CFR	35.00	346 eP	18 30.00	0.4
	54.69	30 P	02 50.00	TAB 27.15 12 eP 17 23.00 2.4	ORI	35.09	328 P	18 31.85	1.4
LSCT	Z 20s	5.42um	5.6MsZ	LSZ 28.90 203 iPc 17 36.10 -0.5		1.0s	*****nm		8.6mb X
	55.05	346 (P)	02 44.09		SDA	35.18	334 iPc	18 32.00	0.8
	55.22	8 eP	02 49.00	ERE 28.91 8 eP 17 37.00 0.5	BCI	35.19	334 eP	18 30.10	-1.3
PPD	55.42	114 (P)	02 48.00	Z 13s 3.60um 5.2MsZx	ULC	35.22	333 iPd	18 32.17	0.6
	56.29	26 P	03 00.00	MTD 29.18 196 iPd 17 23.40 -15.7X	PVY	35.42	335 iPd	18 33.88	0.5
	Z 21s	3.15um	5.4MsZ	KVT 29.66 355 iP 17 44.00 0.9	TTG	35.59	334 iPd	18 35.23	0.6
LBNH	57.25	28 P	03 10.00	KAS 30.22 351 iPd 17 48.50 0.3	MGR	35.61	327 P	18 35.18	0.3
	Z 20s	4.24um	5.5MsZ	MTA 30.44 8 iPd 17 51.40 1.4		1.4s	216.30nm		5.8mb
	57.29	299 P	03 10.00	0.8s 100.00nm 5.7mb	BDV	35.66	333 iPd	18 35.84	0.5
HON	Z 20s	1.09um	5.0MsZ	MAIO 30.53 33 eP 17 52.00 1.0	IVA	35.68	335 iPd	18 35.93	0.4
	57.95	116 (P)	03 05.00	AGG 31.46 334 eP 17 59.40 0.3	MLR	35.86	343 ePd	18 38.50	1.3
	63.32	19 eP	03 43.00	ALN 31.65 340 eP 18 02.08 1.4	MTUR	35.87	342 ePc	18 39.00	1.8
JAQ	64.46	98 eP	03 47.10	OUR 31.90 337 eP 18 07.72 4.9X	CMP	35.92	342 iPd	18 41.00	3.5X
	65.92	343 P	04 10.00	SOC 31.99 0 eP 18 03.00 -0.6	USI	35.93	324 P	18 38.27	0.6
	Z 20s	1.84um	5.3MsZ			1.8s	291.10nm		5.9mb
SOB1	67.18	356 eP	04 02.60	Z 12s 2.40um 5.1MsZx	HCY	35.94	333 iPd	18 37.11	-0.6
	0.8s	10.70nm	5.1mb	N 11s 2.00um	NKY	36.01	334 iPd	18 38.91	0.5
	Z 20s	1.26um	5.2MsZ	E 12s 2.60um	SGO	36.04	328 P	18 39.31	0.8
CRP	73.89	340 eP	04 43.22			6.0s	4509.30nm		6.5mb X
	1.4s	57.32nm	5.4mb	MAK 32.14 11 eP 18 08.00 3.1X	PLE	36.26	335 iPd	18 40.96	0.4
	Z 20s	1.26um	5.2MsZ	Z 14s 3.50um 5.2MsZx	BRY	36.28	333 eP	18 40.58	-0.1
INK	74.73	339 eP	04 49.45	N 14s 3.40um	CLI	36.49	346 eP	18 44.00	1.7
	75.22	350 eP	04 52.50	E 14s 2.50um	KIS	36.57	348 iPd	18 44.00	1.1
	1.0s	5.00nm	4.5mb			Z 16s	0.90um		4.6MsZx
SMY	87.64	323 P	06 00.00	GRO 32.18 8 eP+ 18 06.00 0.7		e	20 10.00		454kmX
	Z 20s	3.65um	5.8MsZ	2.0s 240.00nm 5.8mb		e	21 09.00		
	138.44	323 ePKP	12 37.00	Z 14s 6.00um 5.4MsZx		eS	24 22.00		
WMQ	139.11	345 ePKP	12 38.90	N 18s 2.50um	GBA	36.93	83 P	18 47.00	0.7
	Z 22s	2.20um	5.9MsZ	E 16s 2.50um	KOD	37.16	88 eP	18 50.00	1.4
		PP	15 38.90	LIT 32.29 335 eP 18 05.64 -0.7	DUI	37.28	328 P	18 50.47	1.4
UQSK	142.83	52 ePKP	12 47.00	SOH 32.56 337 eP 18 08.40 -0.3		2.0s	224.20nm		5.6mb
	144.29	54 ePKP	12 46.60	PYA 32.57 5 iPd 18 10.00 1.3	BZS	37.34	339 eP	18 40.00	-9.4X
	145.06	50 ePKP	12 48.00	1.5s 190.00nm 5.8mb	HVAR	37.44	332 eP	18 51.00	0.7
KSH	145.20	358 PKP	12 50.00	Z 14s 5.00um 5.4MsZx	SDI	37.65	328 P	18 52.86	0.7
	Z 20s	3.11um	6.1MsZ	N 14s 4.50um		1.4s	59.70nm		5.2mb
	N 15s	5.84um		E 14s 2.00um	HYB	38.09	76 eP	18 56.00	-0.1
KMI	145.85	310 ePKP	12 50.00		BFT	38.10	194 iPd	18 56.50	0.2
	Z 32s	2.30um	5.7MsZx			1.0s	60.00nm		5.3mb
	146.30	64 ePKP	12 54.00	SRS 32.72 337 iP 18 09.29 -0.8	RDP	38.27	327 P	18 59.22	1.9
RYD	146.67	50 ePKPc	12 53.00	RZN 32.81 339 iP 18 11.00 0.0		1.5s	548.10nm		6.1mb
		e	17 30.00	BOM 32.81 73 eP 18 28.50 17.5X	RMP	38.31	327 P	18 59.38	1.7
	KMSA	147.03	59 ePKP			1.4s	408.40nm		6.0mb
DHJN	147.16	64 ePKP	12 56.60	DIM 32.86 340 eP 18 12.00 0.8	AQU	38.33	328 P	18 59.18	1.3
	152.04	303 ePKP	13 06.40	KNT 33.03 336 eP 18 12.80 0.1		1.8s	744.60nm		6.1mb
	152.28	295 ePKP	13 12.50	GRG 33.05 336 eP 18 12.85 -0.1	SLR	38.61	197 iPd	19 02.00	1.6
NST	S.D. = 1.2 on 69 of 92 obs.			MMB 33.08 338 eP 18 10.00 -3.2X		1.4s	100.00nm		5.4mb
	SEP 21, 1993 19h 11m 35.94 ± 0.21s			LSK 33.15 333 eP 18 15.00 1.1	Z 20s	13.30um			5.8MsZ
	11.478 N ± 3.5km 39.638 E ± 3.0km			PLD 33.19 339 iP 18 15.00 1.0		e	32 23.00		
				SRN 33.21 332 eP 18 14.20 0.0	MNS	38.73	328 P	19 01.91	0.7
				FNA 33.23 334 eP 18 15.12 -0.3		1.7s	222.80nm		5.6mb

21d 19h

NDI	39.01	58	iPd	19	04.50	0.8	E	13s	3.82um		RSL	44.18	327	P	19	44.14	-1.9					
	0.5s	9.15nm				4.7mb			pP	19	37.00	21km	MOS	44.18	358	iPd	19	47.00	1.3			
ASS	39.22	328	P	19	05.26	-0.1	ROB	42.60	326	P	19	32.92	-0.2		2.0s	560.00nm		6.1mb				
	1.3s	34.90nm				4.9mb	OGA	42.75	331	eP	19	35.50	1.0					638kmX				
UZD	39.28	337	iP	19	05.80	0.1	WTTA	42.76	332	iPd	19	34.80	0.3									
ARV	39.38	329	P	19	06.79	0.2		1.5s	108.00nm			5.4mb	TIC	44.33	268	P	19	47.54	0.0			
	1.6s	174.50nm				5.5mb			i	19	39.80	17km		1.3s	89.00nm		5.5mb					
ZAG	39.71	334	iPd	19	10.10	0.9	LMR	42.76	324	eP	19	33.70	-0.6	LIC	44.40	267	P	19	47.94	-0.2		
UZH	39.76	342	iPd	19	10.50	0.8		1.5s	47.55nm			5.0mb		1.4s	112.00nm		5.6mb					
	2.2s	360.00nm				5.7mb	ENR	42.81	326	P	19	34.84	0.0	Z	21s	162.50um		6.9MszX				
Z	16s	1.00um				4.8MszX	FRF	42.82	324	eP	19	34.20	-0.6	ZLA	44.46	330	ePd	19	47.50	-0.7		
E	16s	1.50um						1.4s	38.35nm			4.9mb	BRG	44.55	337	iPd	19	48.00	-0.8			
		e				20	40.00	484kmX	WATA	42.84	332	iPd	19	35.00	-0.1		1.5s	46.00nm		5.1mb		
		ePPP				21	14.00			i	19	39.50	15km			i	19	51.70	12km			
		eS				25	13.00		STV	42.87	326	P	19	35.85	0.5	SLE	44.61	330	iPd	19	48.60	-0.7
PTJ	39.79	334	eP	19	10.80	0.8	LRG	42.92	324	eP	19	34.90	-0.7	TAF	44.66	308	iP	19	55.00	5.0X		
PSZ	39.92	339	iPd	19	11.50	0.4		1.7s	88.25nm			5.2mb	GRF	44.74	334	iPd	19	49.70	-0.7			
RSM	39.94	329	P	19	12.18	1.0	Z	23s	1.05um			4.7MszX		1.1s	31.00nm		5.1mb					
	2.1s	411.80nm				5.8mb	SQTA	42.92	332	iPd	19	36.00	0.2	Z	18s	1.00um		4.8Msz				
RIY	40.06	332	iPd	19	12.50	0.4			i	19	44.00	27kmX			e(pP)	19	54.20	15km				
SFI	40.24	329	P	19	15.14	1.5	OSS	43.05	330	iPd	19	37.70	0.8			e(sP)	19	58.60				
	2.1s	135.30nm				5.3mb	GEC2	43.05	335	P	19	36.40	-0.4	POF	44.84	205	iPc	19	52.50	1.2		
SRO	40.40	338	iP	19	18.90	4.0X		0.9s	29.54nm			5.0mb		1.0s	80.00nm		5.6mb					
		i				20	28.00	348kmX		e	19	41.80	18km	BBS	44.89	329	P	19	50.71	-0.9		
WIN	40.41	213	iPd	19	16.50	1.0			e	19	44.80		FEL	44.92	330	P	19	51.15	-0.8			
	1.0s	60.00nm				5.3mb	MOTA	43.06	332	iPd	19	36.60	-0.4	SSB	45.07	325	P	19	52.37	-0.7		
		e				33	03.50		PZZ	43.16	326	P	19	35.43	-2.3	EALH	45.10	313	eP	19	54.99	1.6
FIR	40.45	328	e(P)	19	13.00	-2.3	VAI	43.17	328	P	19	37.34	-0.2	LOMF	45.16	329	P	19	53.45	-0.3		
LJU	40.52	333	eP	19	17.00	1.0		1.9s	511.80nm			5.9mb	CLL	45.26	337	iPd	19	53.30	-1.1			
		eP				19	21.50	15km	TMA	43.28	329	ePd	19	38.70	0.0		1.3s	38.00nm		5.2mb		
		e				21	14.50		BHB	43.29	326	P	19	37.04	-1.6	MOX	45.30	335	iPd	19	54.00	-0.8
		eS				25	28.00		KHC	43.32	335	iPd	19	38.60	-0.3		2.2s	189.00nm		5.6mb		
		e				28	28.00			1.0s	21.00nm		4.9mb	Z	19s	1.20um		4.8Msz				
		e				32	50.00		Z	18s	1.10um		4.8Msz	LIBD	45.31	330	P	19	54.88	0.1		
TRI	40.62	332	eP	19	17.30	0.6	N	16s	0.60um					MOF	45.34	329	P	19	54.65	-0.6		
		ePP				20	48.00		E	16s	0.70um			DMN	45.48	63	P	19	57.00	0.2		
		ePPP				21	24.00				e	20	05.00	114kmX	BSF	45.49	329	eP	19	55.50	-1.0	
		eS				25	32.00				e	20	28.50			1.2s	66.05nm		5.5mb			
		eSS				28	32.00				e	21	24.50		ECHE	45.53	315	eP	19	58.31	1.5	
PII	40.79	327	P	19	19.54	1.4			e	26	10.00		ECH	45.57	330	P	19	56.30	-0.7			
	1.2s	48.80nm				5.1mb	MNK	43.39	350	eP	19	43.00	3.7X	WLS	45.61	330	P	19	56.52	-0.8		
VOY	40.80	332	ePd	19	19.20	0.8	Z	18s	1.00um			4.8Msz	CDF	45.64	330	eP	19	56.60	-1.0			
		e				20	04.20	211kmX			eS	29	27.00			1.7s	127.20nm		5.6mb			
		e				20	57.70		ORO	43.42	328	P	19	38.83	-0.9	KKN	45.66	62	P	19	58.40	0.2
PGF	40.85	325	eP	19	18.40	-0.4		0.9s	15.30nm			4.8mb	LANF	45.78	331	P	19	58.27	-0.3			
	1.3s	46.20nm				5.0mb	ORX	43.42	328	P	19	37.54	-2.3	TZK	45.79	307	eP	20	05.00	6.1X		
SPC	40.90	341	eP	19	13.70	-5.5X	RSP	43.49	327	P	19	39.14	-1.3	HAU	45.83	329	eP	19	58.00	-1.0		
		e				32	39.00		FRU	43.55	38	eP	19	42.00	1.2		1.3s	69.30nm		5.5mb		
		i				32	46.10			3.0s	400.00nm		5.7mb	Z	21s	1.30um		4.8Msz				
SOP	40.97	336	iPc	19	20.00	0.4	Z	20s	3.00um			5.2Msz	EHUE	45.93	312	eP	20	00.93	0.9			
ZST	41.17	337	iPd	19	21.70	0.5	E	20s	4.50um				VITF	46.16	329	P	20	00.47	-1.1			
		i				19	26.30	16km			e	21	31.00	633kmX	EVIA	46.20	313	eP	20	02.91	0.7	
		e				20	21.60				e	29	42.00		GUN	46.21	62	P	20	02.60	-0.1	
		e				28	53.20		OBN	43.58	357	iPd-	19	41.00	0.2	TNF	46.23	304	eP	20	04.00	1.7
		e				29	54.20			1.5s	105.00nm		5.4mb	EGUA	46.27	311	eP	20	03.09	0.5		
VKA	41.53	336	iPd	19	24.40	0.2			i	19	45.50	15km	CAF	46.28	323	eP	20	02.70	0.0			
	2.5s	429.00nm				5.7mb			e	26	15.00			1.4s	87.55nm		5.6mb					
FVI	41.73	332	P	19	26.96	1.2			iS	29	41.00		SMF	46.28	326	eP	20	01.20	-1.4			
	1.7s	258.40nm				5.7mb	FUR	43.59	333	eP	19	40.90	-0.1		1.3s	38.25nm		5.2mb				
KBA	41.84	333	iPd	19	27.20	0.2						4.9Msz	EGRA	46.32	319	eP	20	02.19	-0.7			
	1.3s	69.00nm				5.2mb	Z	18s	1.40um				EPF	46.32	320	eP	20	02.50	-0.5			
		i				19	32.60	18km	RRL	43.60	326	P	19	40.47	-1.0		1.2s	13.40nm		4.8mb		
CTI	41.86	331	P	19	28.01	0.9	PRU	43.61	337	iPd	19	40.20	-1.0	TNS	46.36	333	ePd	20	02.90	-0.3		
	2.1s	241.00nm				5.6mb		1.5s	47.00nm			5.1mb			ed	20	07.40	15km				
OJC	41.94	341	eP	19	27.50	0.0	Z	13s	0.70um			4.8MszX	IFR	46.36	306	eP	20	11.00	7.4X			
	1.5s	128.00nm				5.4mb	N	12s	0.60um				LBF	46.42	327	eP	20	02.50	-1.2			
		i				19	31.30	13km	E	14s	1.10um			0.9s	23.60nm		5.2mb					
		e				19	42.30				i	19	44.10	13km	ECOG	46.43	311	eP	20	04.15	0.1	
		e				19	30.90	0.8			PP	21	28.10		TGT	46.47	306	iP	20	10.00	5.8X	
KMR	42.25	335	iP-	19	30.90	0.2			e	26	14.00		AVF	46.64	326	eP	20	04.20	-1.2			
VRAC	42.28	338	iPd	19	30.50	0.2	WET	43.62	335	eP	19	40.50	-0.8		1.1s	20.25nm		5.1mb				
	2.3s	295.50nm				5.6mb	KSP	43.66	339	iPd	19	40.90	-0.6	LOR	46.66	327	eP	20	04.30	-1.3		
		e				19	48.10	71kmX		0.9s	39.00nm		5.2mb		1.7s	118.35nm		5.6mb				
		e				21	01.10		MMK	43.71	328	ePc	19	42.50	0.2	Z	23s	2.05um		5.0MszX		
IMI	42.34	326	P	19	31.09	0.1			e	21	20.20	546kmX	LPO	46.67	322	eP	20	05.80	0.1			
BLF	42.39	198	iPc	19	32.10	0.5	LLS	43.74	330	iPd	19	42.20	-0.3		1.3s	57.05nm		5.4mb				
	1.2s	60.00nm				5.2mb	BNI	43.74	326	P	19	43.65	1.2	SSF	46.72	326	eP	20	04.60	-1.4		
PCP	42.40	327	P	19	30.31	-1.1		2.1s	140.10nm			5.4mb		1.6s	64.05nm		5.4mb					
CKI	42.46	326	P	19	31.79	-0.1	LSD	43.74	327	P	19	40.74	-1.9	MAF	46.74	325	eP	20	05.70	-0.5		
	1.6s	119.20nm				5.4mb	LPG	43.99	327	eP	19	43.40	-1.2		1.8s	64.75nm		5.4mb				
BHG	42.54	333	iPc	19	32.70	0.2		1.4s	93.25nm			5.4mb	BGF	46.78	325	eP	20	05.90	-0.6			
	0.9s	24.00nm				4.9mb	HVD	43.99	198	iPc	19	44.50	-0.2		1.6s	123.15nm		5.7mb				
SBF	42.57	325	eP	19	32.20	-0.6																

TCF	46.98	325	eP	20	07.80	-0.3	DLF	55.55	328	eP	21	12.70	-0.1	Z	22s	0.91um	5.0Msz			
	1.5s	60.60nm			5.4mb		EDU	55.67	333	ePc	21	12.60	-1.0	DL2	76.69	53	eP	23	29.00	0.8
WLF	47.04	331	iPc	20	08.52	0.1	EDR	55.69	334	ePc	21	12.00	-1.7	Z	30s	0.83um	4.9MszX			
	1.8s	51.50nm			5.3mb		EBH	55.72	332	ePc	21	13.30	-0.7	SSE	76.99	61	Pd	23	28.00	-2.0
ELUQ	47.06	311	eP	20	08.47	-0.4	ELO	55.94	333	ePc	21	14.50	-1.1		1.5s	270.00nm	6.1mb			
LFF	47.08	322	eP	20	09.00	0.1	DCN	55.96	328	eP	21	15.80	0.1	Z	20s	0.90um	5.1Msz			
	1.3s	111.20nm			5.8mb		EAB	56.06	332	ePc	21	15.60	-0.8	N	14s	0.70um				
ARU	47.17	14	iPd	20	10.30	0.8	CHTO	57.50	75	ePd	21	29.30	2.1	PPR	77.51	82	ePd	23	33.00	-0.2
	1.0s	100.00nm			5.8mb			1.2s	16.67nm			4.9mb	SNY	77.95	49	Pd	23	35.00	-0.1	
Z	20s	1.00um			4.8Msz		BDT	57.62	77	eP	21	25.00	-3.0X	Z	36s	2.38um	5.3MszX			
N	18s	1.00um					CRZF	58.68	170	eP	21	45.00	10.1X	CN2	79.15	47	Pc	23	41.90	0.2
E	20s	1.00um						ePP			24	03.00			1.0s	24.00nm	5.2mb			
	e			20	14.00	12km		eS			30	24.00		Z	20s	0.87um	5.1Msz			
	e			22	00.00		TRO	59.59	352	eP	21	39.50	-1.5	N	20s	1.68um				
SUR	47.18	202	eP	20	05.00	-5.1X	GTA	59.82	51	Pd	21	43.00	-0.3	E	20s	1.36um				
	1.3s	200.00nm			6.0mb			2.0s	130.00nm			5.7mb	YAK	80.00	29	iPc	23	45.20	-0.6	
	e			32	30.00		Z	20s	1.67um			5.2Msz		1.5s	59.00nm	5.4mb				
HYF	47.32	326	eP	20	09.70	-1.1		N	11s	0.44um				e		26	49.00			
LSF	47.34	324	eP	20	10.50	-0.5			PP		23	59.00		MAW	80.64	171	iP	23	50.70	1.6
	1.1s	36.65nm			5.4mb				S		29	54.00			1.1s	43.48nm	5.4mb			
TIO	47.41	302	iP	20	11.50	-0.5			SS		33	50.00		MDJ	82.01	46	eP	23	56.50	-0.3
BNS	47.45	333	ePd	20	11.70	-0.1	KMI	60.96	68	Pd	21	50.00	-1.4	CTB	83.29	84	ePc	24	07.00	3.0X
EPRU	47.56	310	eP	20	13.02	0.1		1.5s	70.00nm			5.6mb	TKSJ	87.29	56	P	24	40.90	17.3X	
PAB	47.88	314	iPd	20	15.40	0.0	Z	26s	2.10um			5.2MszX	WKYJ	88.49	56	P	24	37.20	7.8X	
	eS			26	13.00				pP	22	01.20	38kmX	MAT	90.03	53	eP	24	36.00	-0.6	
ENN	47.89	332	eP	20	15.50	0.3	CD2	62.04	61	eP	21	57.00	-1.5		1.2s	26.56nm	5.3mb			
	1.0s	51.00nm			5.5mb		LZH	62.52	55	Pd	22	01.50	-0.2	BAO	90.80	254	Pc	24	43.60	3.1X
	e			20	44.00	123kmX		1.4s	77.00nm			5.7mb	YAMJ	91.02	51	eP	24	37.40	-3.7X	
OUK	47.99	302	eP	20</																

21d 19h

LEM 75.72 269 ePc 24 58.00 15.3X
YONJ 76.69 319 P 24 47.20 -0.3
MDJ 85.20 324 eP 25 32.50 0.3
CN2 86.98 321 eP 25 41.40 0.4
1.0s 17.00nm 5.2mb
Z 30s 1.08um 5.1mszX
SNG 87.81 279 eP 25 48.50 2.9X
TIA 87.86 311 eP 25 45.00 -0.4
TIY 91.85 311 eP 26 04.70 0.6
XAN 92.61 306 P 26 08.00 0.4
0.8s 6.90nm 5.1mb
KMI 93.50 296 Pc 26 14.00 1.8
1.5s 50.00nm 5.7mb
CHTO 94.09 289 ePc 26 16.30 1.6
1.0s 11.50nm 5.3mb
SOB1 124.20 121 (PKP) 31 53.00 -2.7
NB2 143.04 355 PKP 32 24.50 -5.1X
0.6s 0.50nm
EDR 146.97 8 ePKP 32 36.20 -0.1
ELO 147.26 9 ePKP 32 36.90 0.2
EAB 147.44 10 ePKP 32 37.90 0.9
EBH 147.50 9 ePKP 32 38.20 1.1
MUD 147.74 356 iPKPc 32 39.30 1.9
1.3s 63.00nm
EAU 147.90 9 ePKP 32 39.10 1.3
ESY 147.94 8 ePKP 32 38.90 1.1
EBL 148.03 9 ePKP 32 39.30 1.3
EKA 148.44 9 PKPc 32 40.50 1.9
0.9s 13.40nm
DCN 149.57 15 ePKP 32 43.60 3.2X
DLF 149.78 14 ePKP 32 44.00 3.3X
KAS 150.62 312 iPKPc 32 48.70 6.2X
WIT 151.51 358 ePKP 32 50.00 6.7X
e 33 16.00
BHL 151.63 297 PKP 32 50.00 5.7X
OJC 151.68 340 ePKP 32 49.50 5.8X
KSP 152.10 345 ePKP 32 43.40 -0.9
0.8s 36.00nm
ic 32 50.20
WTS 152.33 358 ePKP 32 51.00 6.4X
0.7s 20.50nm
CLL 152.35 349 ePKP 32 43.00 -1.6
1.5s 13.00nm
BRG 152.59 348 iPKP 32 44.60 -0.4
1.4s 18.00nm
i 32 52.00
MOX 153.21 351 ePKP 32 53.00 7.1X
1.5s 18.00nm
PRU 153.31 346 ePKP 32 45.00 -1.0
i 32 53.40
ENN 153.58 359 ePKP 33 06.00 19.6X
1.0s 15.00nm
GRF 154.20 351 e(PKP) 32 47.00 -0.3
ZST 154.30 341 e(PKP) 32 46.60 -0.9
KHC 154.32 347 ePKP 32 46.50 -1.0
1.2s 6.00nm
e 32 55.60
e 33 34.00
GEC2 154.57 346 PKP 32 46.50 -1.4
1.5s 3.71nm
S.D. = 1.2 on 51 of 68 obs.
SEP 21, 1993 19h 26m 58.62± 0.52s
45.776 N ± 5.2km 26.530 E ± 5.2km
DEPTH = 31.8 ± 6.3 km
3.2mb (2 obs.)
ROMANIA (358)
MLR 0.50 236 iPd 27 07.50 -1.8
CLI 0.93 34 iPd 27 16.10 0.6
PTT 1.16 355 iPd 27 18.00 -0.7
CMP 1.17 245 iPd 27 21.00 2.2
MTUR 1.17 242 iPd 27 20.00 1.1
CFR 1.29 117 iPd 27 20.00 -0.4
TNR 1.59 266 ePc 27 25.00 0.1
IAS 1.59 26 ePc 27 26.00 1.2
PSN 2.40 150 iP 27 37.00 0.4
DEV 2.54 274 ePd 27 40.00 1.5
PVL 2.70 199 iP 27 43.00 2.3
JMB 3.31 179 eP 27 49.00 -0.4
BZS 3.45 269 ePc 27 43.00 -8.4X
PGB 3.65 209 iP 27 55.00 0.8
PLD 3.90 200 iP 27 57.00 -0.8
VTS 3.98 218 eP 27 56.00 -3.1X
KDZ 4.20 191 iP 28 02.00 -0.1
RZN 4.29 198 iPc 28 03.00 -0.6
KKB 4.64 214 iP 28 08.00 -0.3

MMB 4.65 207 eP 28 08.00 -0.5
ALN 4.89 184 eP 28 11.20 -0.6
PSZ 5.03 298 ePnc 28 12.00 -2.0
SRS 5.12 206 eP 28 11.24 -3.9X
SKO 5.29 226 ePn 28 40.00 22.5X
KNT 5.32 211 eP 28 17.93 0.1
SOH 5.47 206 eP 28 19.68 -0.3
GRG 5.68 213 eP 28 22.84 -0.2
OUR 5.75 200 eP 28 23.84 -0.1
THE 5.76 208 eP 28 26.84 2.7X
PAIG 6.21 201 eP 28 29.76 -0.7
HFS 16.28 337 eP 30 41.10 -5.1X
0.4s 1.50nm 3.5mb
NB2 17.73 335 P 31 00.70 -3.7X
0.5s 0.50nm 2.9mb
DMN 49.23 91 P 35 46.60 0.4
KKN 49.24 90 P 35 46.40 0.1
0.6s 23.00nm 5.4mb X
GUN 49.58 90 P 35 48.80 -0.3
S.D. = 1.1 on 28 of 35 obs.
? SEP 21, 1993 19h 31m 58.74± 3.72s
17.988 N ± 37.3km 66.232 W ± 11.7km
DEPTH = 10.0km (geophysicist)
PUERTO RICO REGION (90)
CLLP 0.34 286 P 32 06.10 0.3
PORP 0.39 280 P 32 06.50 -0.3
LPR 0.47 47 P 32 08.30 0.0
S 32 20.30
APR 0.66 314 (P) 32 11.80 -0.1
S.D. = 0.4 on 4 of 4 obs.
& SEP 21, 1993 19h 38m 15.00s
42.300 N 122.000 W
DEPTH = 5.0km
OREGON (32)
<SPEC>. ML 2.8 (GS). Held to
mainshock location.
LGMM 0.71 170 P 38 30.21 1.0
LASM 0.77 156 P 38 31.06 0.5
LMPM 0.82 189 P 38 31.71 0.2
LBFM 0.96 175 eP 38 33.52 -0.3
LGBM 0.97 189 P 38 31.50 -2.5
LGPM 1.52 204 eP 38 41.75 -1.2
eS 39 01.51
FHC 2.11 226 (P) 38 53.97 2.5
7 obs. associated
& SEP 21, 1993 19h 38m 43.29s
57.873 N 154.984 W
DEPTH = 44.7km
KODIAK ISLAND REGION (13)
<AEIC>. ML 3.0 (AEIC).
CDD 1.27 33 eP 39 04.04 -0.9
eS 39 20.32
KDC 1.34 94 eP 39 04.80 -1.0
SYI 1.56 61 eP 39 07.90 -1.0
eS 39 26.54
AUI 1.68 28 eP 39 09.56 -1.1
eS 39 29.84
AUW 1.70 27 eP 39 10.08 -0.9
AGU 1.70 28 eP 39 10.14 -0.9
AUH 1.70 28 eP 39 10.26 -0.8
AUP 1.70 28 eP 39 09.60 -1.5
AUE 1.71 29 eP 39 10.28 -0.9
PDB 1.96 12 eP 39 13.22 -1.5
eS 39 35.72
OPT 2.01 26 eP 39 13.92 -1.4
INE 2.41 24 eP 39 19.51 -1.7
ILIM 2.45 24 eP 39 19.90 -1.8
CNPM 2.56 48 eP 39 20.80 -2.5
RDW 2.85 22 eP 39 25.72 -1.8
REF 2.88 23 eP 39 25.79 -2.1
BKG 3.49 22 eP 39 33.44 -3.1
SLKM 3.60 41 eP 39 34.77 -3.3
SEW 3.63 50 eP 39 35.21 -3.2
BGL 3.65 20 eP 39 36.44 -2.3
CRP 3.70 22 eP 39 35.97 -3.5
21 obs. associated
? SEP 21, 1993 19h 43m 34.56± 8.94s
42.547 N ± 63.4km 122.053 W ± 24.9km
DEPTH = 5.0km (geophysicist)
OREGON (32)

MD 2.6 (GS).
LGMM 0.96 170 P 43 53.50 0.1
LASM 1.01 159 P 43 54.38 0.0
LBFM 1.21 174 eP 43 57.41 -0.2
LGBM 1.21 185 P 43 57.80 0.1
LBKM 1.53 198 P 44 02.86 0.1
LGPM 1.73 200 eP 44 05.51 -0.1
eS 44 25.11
S.D. = 0.2 on 6 of 6 obs.
% SEP 21, 1993 20h 07m 36.64± 0.90s
36.867 N ± 15.2km 4.208 W ± 7.1km
DEPTH = 29.6 ± 15.8 km
STRAIT OF GIBRALTAR (385)
mbLg 2.5 (MDD).
EGUA 0.52 94 eP 07 47.00 -0.3
eS 07 56.50
ECOG 0.66 51 eP 07 49.80 0.1
eS 08 00.50
ELUQ 0.69 356 eP 07 50.10 -0.1
eS 08 00.80
EPRU 0.83 277 eP 07 51.80 -0.4
eS 08 03.60
EJIF 1.10 248 iPc 07 56.50 0.5
eS 08 11.50
EHOR 1.26 319 iPc 07 58.00 -0.3
eS 08 13.80
EBAN 1.34 14 eP 08 00.00 0.6
eS 08 17.50
S.D. = 0.6 on 7 of 7 obs.
* SEP 21, 1993 20h 21m 54.57± 1.29s
38.160 N ± 7.1km 24.009 E ± 15.9km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 3.0 (THE). MD 3.2 (ATH).
ATH 0.30 231 ePg 22 00.80 0.0
AGG 1.57 304 ePb 22 22.64 0.0
eSb 22 43.32
VLI 1.67 211 ePb 22 24.00 0.0
PAIG 1.78 352 ePb 22 25.20 -0.4
eSb 22 45.44
OUR 2.17 359 iPb 22 31.21 0.0
LIT 2.27 329 ePb 22 32.32 -0.4
eSb 22 58.28
VLS 2.70 271 ePb 22 44.50 5.7X
SOH 2.71 349 ePn 22 38.68 -0.3
KZN 2.76 322 ePn 22 47.00 7.3X
SRS 2.97 354 ePn 22 42.76 0.2
eSn 23 15.72
KNT 3.12 344 ePn 22 45.52 0.8
KEK 3.63 297 ePn 22 56.00 4.0X
S.D. = 0.4 on 9 of 12 obs.
* SEP 21, 1993 20h 45m 40.12± 3.65s
42.218 N ± 25.3km 122.115 W ± 10.7km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.7 (GS).
LGMM 0.65 161 P 45 53.49 0.3
LMHM 0.72 152 P 45 55.20 0.6
LMPM 0.73 183 P 45 54.86 0.1
LASM 0.74 147 P 45 54.31 -0.6
LGBM 0.87 184 P 45 57.75 0.2
LBFM 0.89 169 ePc 45 57.55 -0.2
LBKM 1.21 200 P 46 02.81 -0.3
KOMM 1.37 227 P 46 06.80 0.8
LGPM 1.41 203 eP 46 05.35 -1.2
WDC 1.67 191 eP 46 10.38 0.3
S.D. = 0.7 on 10 of 10 obs.
% SEP 21, 1993 21h 01m 43.52± 1.28s
10.376 N ± 11.4km 67.177 W ± 9.4km
DEPTH = 5.0km (geophysicist)
NEAR COAST OF VENEZUELA (97)
GUAC 0.20 207 iPc 01 47.30 -0.5
iS 01 50.40
CAR 0.28 62 iPd 01 49.30 0.1
iS 01 54.00
LLAV 0.38 75 iPd 01 50.80 -0.3
iS 01 57.10
OLLA 0.51 134 iPc 01 54.00 0.2

21d 21h

CEOS 1.76 221 iS 02 04.30
 1.76 221 iPc 02 15.30 0.4
 iS 02 37.30
 S.D. = 0.5 on 5 of 5 obs.

? SEP 21, 1993 21h 17m 33.31± 3.59s
 38.045 S ±30.4km 175.771 E ±16.4km
 DEPTH = 33.0km (normal)
 NORTH ISLAND, NEW ZEALAND (159)
 ML 3.8 (WEL).

URZ 1.08 102 Pd 17 52.20 0.1
 S 18 04.20
 PAHZ 1.29 129 P 17 55.00 -0.2
 THH 1.71 151 P 18 00.90 -0.2
 WAHZ 1.71 165 P 18 01.90 0.6
 MNG 2.58 185 P 18 13.70 0.0
 S 18 42.20
 KIW 2.89 193 P 18 18.20 0.1
 CAW 3.11 190 P 18 20.00 -1.1
 MRW 3.29 194 eP 18 24.70 1.0
 TCW 3.37 200 P 18 24.50 -0.3
 S.D. = 0.7 on 9 of 9 obs.

? SEP 21, 1993 21h 51m 36.73± 7.21s
 42.477 N ±50.8km 122.055 W ±17.9km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 MD 2.7 (GS), 2.3 (SEA). Multiple event.

LGMM 0.89 169 P 51 54.16 -0.3
 LMHM 0.94 162 P 51 56.45 1.1
 LASM 0.95 158 P 51 54.70 -0.7
 LMPM 0.99 185 P 51 56.11 0.0
 LBFM 1.14 174 eP 51 58.42 -0.2
 LGBM 1.14 185 P 51 58.72 0.1
 LBKM 1.46 198 P 52 03.88 -0.1
 LGPM 1.67 201 eP 52 06.91 0.1
 S.D. = 0.6 on 8 of 8 obs.

* SEP 21, 1993 22h 10m 16.41± 2.02s
 42.230 N ±14.4km 122.126 W ± 8.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.8 (GS).

LHEM 0.61 187 P 10 28.93 0.4
 LGMM 0.67 161 P 10 29.79 0.0
 LMHM 0.74 152 P 10 31.84 0.6
 LMPM 0.74 182 P 10 31.51 0.3
 LASM 0.75 147 P 10 30.87 -0.8
 LGBM 0.89 183 P 10 34.10 0.0
 LBFM 0.90 169 eP 10 33.72 -0.5
 eS 10 47.96
 LBKM 1.21 200 P 10 38.61 -1.0
 KSXM 1.36 254 P 10 41.99 -0.1
 KOMM 1.37 227 P 10 42.27 0.0
 LGPM 1.42 202 eP 10 41.98 -1.0
 WDC 1.68 191 eP 10 46.30 -0.2
 FHC 2.00 225 (P) 10 52.45 1.2
 ORV 2.71 170 (P) 11 02.58 1.1
 S.D. = 0.8 on 14 of 14 obs.

SEP 21, 1993 22h 13m 17.68± 0.29s
 42.211 N ± 2.2km 122.095 W ± 5.1km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.3 (GS). MD 2.8 (SEA).

LHEM 0.59 189 P 13 29.97 0.5
 LGMM 0.64 162 P 13 30.38 -0.2
 LMHM 0.71 153 P 13 31.55 -0.4
 LASM 0.72 148 P 13 31.47 -0.7
 LMPM 0.72 184 P 13 31.44 -0.7
 LGBM 0.87 185 P 13 34.97 -0.1
 LBFM 0.88 170 iPd 13 34.88 -0.3
 eS 13 47.96
 LPDM 1.06 163 P 13 38.06 -0.1
 LBKM 1.20 201 P 13 40.14 -0.5
 DBO 1.24 317 P 13 40.23 -1.0
 S 13 57.60
 KOMM 1.38 228 P 13 42.36 -1.3
 LGPM 1.41 203 eP 13 43.19 -1.0
 HSO 1.50 331 P 13 44.44 -1.0
 S 14 04.54
 HBO 1.64 354 P 13 46.47 -1.0

NCOR 1.65 25 P 13 46.43 -1.2
 WDC 1.66 192 eP 13 47.49 -0.1
 LCFM 1.78 166 P 13 50.29 0.8
 LDBM 1.79 172 P 13 50.81 1.2
 LSLM 1.83 166 P 13 50.97 0.9
 LHKM 1.88 161 P 13 50.68 -0.3
 MIN 1.90 169 P 13 51.63 0.4
 TCO 1.93 11 P 13 50.92 -0.7
 FHC 2.00 226 (P) 13 53.40 0.9
 RNO 2.08 325 P 13 54.72 0.9
 FBO 2.13 351 P 13 54.30 -0.1
 S 14 22.41
 KMPM 2.35 221 eP 13 58.45 0.7
 GMO 2.38 20 P 13 58.38 0.3
 MPOR 2.53 336 P 14 02.20 2.1
 VIPM 2.54 25 P 14 01.05 0.7
 SSOR 2.66 354 P 14 02.71 0.7
 ORV 2.69 170 eP 14 02.90 0.5
 VGB 3.44 16 (P) 14 08.82 -4.2X
 S.D. = 0.8 on 31 of 32 obs.

? SEP 21, 1993 23h 12m 02.99± 2.34s
 37.905 N ±10.6km 2.497 W ±22.6km
 DEPTH = 5.0km (geophysicist)
 SPAIN (377)
 mbLg 2.7 (MDD).

EHUE 0.12 220 eP 12 05.00 -0.5
 eS 12 07.00
 EVIA 0.73 360 eP 12 17.70 0.1
 eS 12 27.50
 EBAN 1.05 285 eP 12 23.00 -0.3
 eS 12 37.50
 ECOG 1.06 234 eP 12 24.20 0.8
 eS 12 37.70
 S.D. = 1.0 on 4 of 4 obs.

* SEP 21, 1993 23h 40m 48.66± 3.32s
 42.304 N ±24.0km 122.094 W ±10.1km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 MD 2.7 (GS).

LGMM 0.73 165 P 41 03.41 0.1
 LMHM 0.79 156 P 41 05.44 0.7
 LASM 0.80 151 P 41 04.17 -0.7
 LMPM 0.82 184 P 41 05.09 0.0
 LGBM 0.96 185 P 41 07.82 0.2
 LBFM 0.97 171 eP 41 07.54 -0.1
 eS 41 20.66
 LBKM 1.29 200 P 41 12.86 -0.3
 KOMM 1.44 225 P 41 15.94 0.3
 LGPM 1.50 202 eP 41 15.59 -0.7
 eS 41 35.18
 LCMM 2.20 168 P 41 26.55 0.0
 GHMM 2.91 193 P 41 37.04 0.4
 S.D. = 0.5 on 11 of 11 obs.

SEP 21, 1993 23h 45m 28.80± 0.78s
 72.331 N ± 9.3km 0.618 E ± 7.7km
 DEPTH = 10.0km (geophysicist)
 4.5mb (24 obs.)
 NORWEGIAN SEA (642)

LOF 6.07 128 eP 47 00.11 -0.5
 eS 48 05.49
 TRO 6.55 105 eP 47 07.62 0.2
 eS 48 17.85
 DAG 6.79 320 iPd 47 10.00 -0.8
 0.7s 20.55nm 5.3mb
 isP 48 18.50
 ARAO 8.57 97 Pn 47 36.64 0.9
 Sn 49 10.26
 MOL 10.15 162 eP 47 53.33 -4.1X
 HYA 11.42 166 eP 48 10.91 -3.8X
 NB2 12.06 155 P 48 19.70 -3.8X
 1.0s 4.50nm 4.7mb
 NRAO 12.40 154 Pn 48 25.24 -2.7
 Sn 50 33.42
 KAF 14.12 123 iP 48 48.90 -1.7
 0.6s 5.40nm 4.5mb
 NUR 15.09 129 iP 49 01.80 -1.6
 1.2s 54.50nm 4.8mb
 EKA 17.14 187 Pc 49 30.60 1.0
 0.6s 3.50nm 3.7mb
 ENN 21.77 171 eP 50 22.00 0.0
 1.0s 10.00nm 4.2mb

CLL 21.80 159 i(P) 50 22.00 -0.3
 1.3s 22.00nm 4.4mb
 MOX 22.31 161 eP 50 27.80 0.4
 1.4s 22.00nm 4.4mb
 eS 54 41.00
 BRG 22.33 157 eP 50 27.80 0.1
 1.5s 23.00nm 4.4mb
 KSP 22.66 154 eP 50 31.30 0.4
 i 50 41.40
 OBN 22.89 120 eP 50 35.00 1.9
 1.5s 28.00nm 4.6mb
 i 50 38.00
 iPP 50 50.00
 e 50 57.00
 e 51 07.00
 eS 54 02.00
 eSS 54 48.00
 LQ 57 03.00
 ePcS 58 43.00
 GRF 23.21 162 eP 50 40.00 3.6X
 Z 21s 0.40um 3.8msz
 PRU 23.28 157 eP 50 38.20 1.3
 1.4s 20.90nm 4.5mb
 Z 16s 0.30um 3.8mszX
 e 50 59.50
 FLN 23.65 182 eP 50 41.50 0.9
 Z 20s 0.20um 3.6msz
 LDF 23.82 181 eP 50 43.30 1.1
 1.0s 14.60nm 4.5mb
 KHC 24.01 159 eP 50 47.00 2.9X
 1.4s 22.00nm 4.6mb
 Z 20s 0.60um 4.1msz
 N 20s 0.50um
 E 20s 0.30um
 e 50 52.90
 e 51 13.00
 CDF 24.19 169 eP 50 46.70 0.8
 GEC2 24.30 159 P 50 48.95 1.9
 HAU 24.55 171 eP 50 49.70 0.4
 0.9s 6.40nm 4.3mb
 Z 18s 0.13um 3.4msz
 SPC 24.86 148 eP 50 46.90 -5.6X
 LOR 25.19 175 eP 50 55.60 0.1
 0.9s 5.40nm 4.2mb
 Z 21s 0.17um 3.5msz
 ZST 25.36 154 eP 50 58.90 1.8
 e 05 35.00
 SSF 25.39 175 eP 50 57.40 0.1
 1.4s 18.30nm 4.6mb
 LBF 25.47 175 eP 50 58.50 0.3
 0.9s 6.70nm 4.3mb
 AVF 25.65 176 eP 51 00.00 0.2
 1.0s 7.80nm 4.4mb
 SMF 25.81 175 eP 51 01.60 0.3
 1.2s 11.60nm 4.4mb
 MFF 25.81 181 eP 51 01.10 -0.2
 1.1s 18.80nm 4.7mb
 BGF 25.87 176 eP 51 02.10 0.2
 0.7s 5.85nm 4.4mb
 SRO 25.91 152 eP 51 08.30 6.2X
 TCF 26.13 177 eP 51 03.10 -1.2
 1.3s 14.10nm 4.5mb
 LSF 26.17 179 eP 51 03.00 -1.6
 MAF 26.21 177 eP 51 03.70 -1.3
 1.2s 11.30nm 4.4mb
 LPL 27.05 171 eP 51 12.90 0.0
 LPG 27.07 170 eP 51 12.40 -0.8
 RJF 27.11 179 eP 51 11.90 -1.3
 Z 20s 0.13um 3.5msz
 INK 36.40 333 eP 52 38.00 3.6X
 1.0s 3.00nm 4.1mb
 S.D. = 1.1 on 34 of 42 obs.

? SEP 21, 1993 23h 45m 56.25± 8.86s
 42.410 N ±61.5km 122.009 W ±21.3km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 MD 2.5 (GS).

LGMM 0.82 171 P 46 12.69 0.0
 LASM 0.87 158 P 46 13.64 0.0
 LMPM 0.93 187 P 46 14.56 0.0
 LGBM 1.07 187 P 46 17.12 0.0
 LGPM 1.62 203 eP 46 25.62 0.0
 eS 46 48.20
 S.D. = 0.0 on 5 of 5 obs.

22d 00h

& SEP 22, 1993 00h 05m 02.35s
34.381 N 116.457 W
DEPTH = 2.6km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.6 (PAS).

PEC 0.76 230 iPd 05 16.45 -1.1
eS 05 26.54
GSC 0.96 343 eP 05 20.57 -0.8
eS 05 35.58
SSK 1.04 261 iPd 05 21.67 -1.1
eS 05 36.32
PLM 1.08 198 iPd 05 22.28 -1.2
eS 05 37.17
GLA 1.90 134 iPd 05 37.55 1.5
eS 06 03.67
ISA 2.09 308 ePn 05 40.06 1.2
ABL 2.33 282 eP 05 42.35 -0.1
eS 06 17.06
TPNV 2.57 4 ePn 05 44.67 -1.1
8 obs. associated

? SEP 22, 1993 00h 30m 40.72± 5.28s
18.054 N ±70.2km 62.341 W ±43.4km
DEPTH = 33.0km (normal)
LEEWARD ISLANDS (92)

BPA 1.10 155 eP 31 00.00 0.1
S 31 16.00
DEG 2.12 145 eP 31 14.50 -0.1
MGG 2.34 155 eP 31 17.70 0.0
LPR 3.36 275 P 31 32.50 0.2
CPD 3.40 270 P 31 32.50 -0.3
CLLP 4.03 271 P 31 42.30 0.6
PORP 4.09 271 (P) 31 42.00 -0.5
S.D. = 0.4 on 7 of 7 obs.

* SEP 22, 1993 00h 45m 22.51± 3.40s
42.278 N ±24.6km 122.053 W ±11.3km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.9 (GS). MD 2.5 (SEA).

LGMM 0.70 166 P 45 37.09 0.6
LMHM 0.76 157 P 45 38.36 0.5
LASM 0.77 152 P 45 37.86 -0.2
LMPM 0.79 186 P 45 39.00 0.5
LBFM 0.94 172 eP 45 41.30 0.3
eS 45 54.79
LGBM 0.94 187 P 45 41.27 0.2
LBKM 1.28 201 P 45 45.97 -0.8
KOMM 1.45 227 P 45 50.12 0.6
LGPM 1.48 203 eP 45 49.06 -0.9
eS 46 09.20
WDC 1.74 192 eP 45 52.53 -1.0
FHC 2.07 225 (P) 45 59.24 0.9
ORV 2.75 171 (P) 46 07.39 -0.7
S.D. = 0.8 on 12 of 12 obs.

? SEP 22, 1993 01h 08m 45.14± 5.11s
42.216 N ±36.0km 122.067 W ±15.9km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.6 (GS).

LGMM 0.64 164 P 08 58.50 0.5
LASM 0.72 149 P 08 59.12 -0.4
LGBM 0.88 186 P 09 02.62 0.0
LBFM 0.88 171 eP 09 02.56 -0.1
eS 09 15.42
LBKM 1.22 202 P 09 08.02 -0.3
KOMM 1.40 228 P 09 11.76 0.4
LGPM 1.42 204 eP 09 10.86 -0.9
eS 09 29.86
WDC 1.67 192 eP 09 16.02 0.8
S.D. = 0.7 on 8 of 8 obs.

* SEP 22, 1993 01h 53m 13.64± 1.86s
14.392 N ±14.4km 93.419 W ±13.4km
DEPTH = 49.1 ± 17.2 km
4.3mb (3 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.23 65 iP 53 34.50 -0.3
iS 53 48.00
SCX 2.45 18 eP 53 52.25 0.3
iS 54 24.50

PPM 6.82 314 (P) 54 55.00 0.9
LTX 17.63 329 eP 57 15.72 -1.8
UYO 19.71 357 iPc 57 42.20 0.3
WMOK 20.83 347 eP 57 53.92 0.4
1.9s 11.99nm 3.9mb
LPAZ 39.41 140 Pd 00 42.30 0.8
LPB 39.62 140 eP 00 42.00 -0.9
YKA 50.34 347 eP 02 04.90 -2.5X
0.6s 2.40nm 4.4mb
NB2 84.46 28 P 05 42.50 0.3
0.8s 2.70nm 4.4mb
S.D. = 1.1 on 9 of 10 obs.

* SEP 22, 1993 01h 59m 06.20± 0.89s
42.378 N ± 7.8km 121.961 W ±14.6km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 3.0 (GS).

LBPM 1.03 177 eP 59 26.77 0.5
eS 59 39.63
LGPM 1.60 204 eP 59 34.78 -0.6
eS 59 55.10
FHC 2.19 225 (P) 59 43.57 -0.2
KMMP 2.54 220 (P) 59 49.49 0.6
ORV 2.84 173 (P) 59 52.79 -0.3
VGB 3.25 15 (P) 59 58.93 0.0
S.D. = 0.6 on 6 of 6 obs.

* SEP 22, 1993 02h 22m 14.73± 3.50s
42.266 N ±23.7km 121.992 W ±13.5km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 3.1 (GS).

LHEM 0.66 195 P 22 28.86 0.9
LGMM 0.68 170 P 22 28.38 0.1
LASM 0.73 155 P 22 29.34 -0.1
LBPM 0.92 175 eP 22 32.48 -0.5
LGBM 0.93 189 P 22 32.81 -0.4
LBKM 1.28 203 P 22 38.20 -0.9
KOMM 1.47 228 P 22 41.52 -0.5
LGPM 1.49 205 eP 22 41.19 -1.1
iS 22 59.83
WDC 1.73 194 eP 22 45.97 0.3
KMMP 2.44 222 (P) 22 57.47 1.4
ORV 2.73 172 (P) 23 00.72 0.6
S.D. = 0.9 on 11 of 11 obs.

? SEP 22, 1993 02h 39m 31.54± 0.92s
23.189 N ±22.6km 125.944 E ±47.3km
DEPTH = 33.0km (normal)
4.3mb (7 obs.)
SOUTHWESTERN RYUKYU ISLANDS (246)

BIP 14.88 179 ePc 43 31.50 30.1X
LZH 23.05 309 eP 44 35.00 -0.1
1.5s 32.00nm 4.6mb
WRA 43.65 169 P 47 34.70 -0.2
0.7s 2.70nm 4.1mb
WB2 43.65 169 eP 47 33.70 -1.2
0.5s 4.60nm 4.5mb
e 47 42.70
ASPA 47.21 170 eP 48 04.60 1.3
0.4s 2.90nm 4.6mb
UPP 78.93 331 iP 51 32.70 -0.3
HFS 80.53 332 eP 51 41.60 0.0
0.4s 0.90nm 4.1mb
NB2 81.10 333 P 51 44.70 0.0
0.8s 3.20nm 4.4mb
GEC2 86.34 322 PKP 52 12.20 0.5
0.9s 0.81nm 3.9mb
S.D. = 0.8 on 8 of 9 obs.

* SEP 22, 1993 02h 52m 57.62± 0.96s
39.263 N ± 9.2km 28.927 E ±11.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

ALT 0.94 102 ePg 53 16.00 0.3
eSg 53 30.00
KHL 1.05 153 ePg 53 17.20 -0.2
iSg 53 30.20
KCT 1.08 336 ePn 53 17.60 -0.3
EDC 1.36 323 ePn 53 23.00 0.5
EYL 1.61 36 ePn 53 26.00 -0.2

S.D. = 0.5 on 5 of 5 obs.

& SEP 22, 1993 03h 15m 52.74s
34.341 N 116.463 W
DEPTH = 4.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.8 (PAS).

PEC 0.73 232 iPc 16 06.19 -1.2
eS 16 15.80
GSC 1.00 344 iPc 16 11.35 -0.9
eS 16 25.47
SSK 1.03 263 iPc 16 11.83 -1.0
eS 16 26.24
PLM 1.04 199 iPc 16 11.74 -1.3
eS 16 26.80
GLA 1.87 133 iPd 16 27.57 1.7
ISA 2.11 309 ePn 16 31.04 1.7
eS 17 00.61
ABL 2.33 283 eP 16 32.19 -0.5
TPNV 2.61 4 eP 16 36.95 0.4
eS 17 16.68
TNP 3.78 351 (P) 16 53.86 0.5
9 obs. associated

? SEP 22, 1993 03h 50m 32.26± 7.01s
42.410 N ±49.5km 122.038 W ±17.1km
DEPTH = 5.0km (geophysicist)
OREGON (32)
MD 2.5 (SEA).

LGMM 0.82 169 P 50 48.77 0.0
LMHM 0.88 161 P 50 50.86 1.1
LASM 0.88 157 P 50 49.06 -0.7
LMPM 0.93 186 P 50 50.52 0.0
LBFM 1.07 174 eP 50 52.64 -0.3
eS 51 04.02
LGBM 1.07 186 P 50 53.11 0.0
LBKM 1.41 200 P 50 59.00 0.3
LGPM 1.61 202 eP 51 01.21 -0.3
eS 51 20.07
S.D. = 0.6 on 8 of 8 obs.

? SEP 22, 1993 04h 25m 08.43± 6.76s
42.420 N ±48.0km 122.072 W ±16.0km
DEPTH = 5.0km (geophysicist)
OREGON (32)
MD 2.5 (SEA).

LGMM 0.84 168 P 25 24.96 -0.3
LMHM 0.90 160 P 25 27.19 0.9
LASM 0.90 156 P 25 25.73 -0.6
LMPM 0.93 184 P 25 26.86 0.0
LGBM 1.08 185 P 25 29.48 0.1
LBFM 1.08 173 eP 25 29.19 -0.2
eS 25 41.91
LBKM 1.41 199 P 25 34.93 0.1
LGPM 1.61 201 eP 25 37.65 -0.1
iS 25 57.44
S.D. = 0.5 on 8 of 8 obs.

* SEP 22, 1993 04h 44m 07.83± 1.81s
10.485 N ±11.4km 61.702 W ±12.7km
DEPTH = 10.0km (geophysicist)
TRINIDAD (98)
MD 3.1 (TRN).

TCE 0.22 347 eP 44 11.35 -1.2
eS 44 19.95
TPP 0.30 124 eP 44 13.80 -0.3
eS 44 22.73
TRN 0.34 61 eP 44 14.34 -0.4
eS 44 23.89
TBH 0.62 90 eP 44 20.73 0.3
eS 44 40.24
BOT 1.18 55 eP 44 29.63 -0.2
GRW 1.66 1 eP 44 32.77 -4.5X
eS 44 55.67
FCV 2.69 10 eP 44 51.91 -0.1
eS 45 27.38
SVB 2.80 9 eP 44 54.88 1.3
eS 45 33.15
SVV 2.86 10 eP 44 54.76 0.5
eS 45 32.14
S.D. = 0.9 on 8 of 9 obs.

& SEP 22, 1993 04h 52m 40.00s

22d 04h

59.938 N 153.438 W
DEPTH = 132.2km
SOUTHERN ALASKA
<ABIC>.

(2)

INW	0.20	50	eP	52 57.55	0.7
			eS	53 11.77	
INE	0.23	57	eP	52 57.72	0.7
			eS	53 11.91	
ILIM	0.28	59	eP	52 57.58	0.5
			eS	53 12.24	
OPT	0.30	160	eP	52 57.85	0.7
			eS	53 11.99	
PDB	0.41	249	eP	52 57.98	-1.1
			eS	53 11.93	
AUL	0.56	180	eP	52 59.13	-0.8
AUW	0.57	182	eP	52 59.21	-0.7
AUH	0.58	180	eP	52 59.68	-0.4
AUE	0.58	177	eP	52 59.09	-0.9
			eS	53 14.08	
RED	0.59	34	eP	52 59.31	-0.9
			eS	53 14.57	
AUI	0.60	179	eP	52 59.51	-0.7
			eS	53 13.83	
			eS	53 14.38	
RDW	0.63	30	eP	52 59.79	-0.8
REF	0.66	33	iP	52 59.99	-0.9
			eS	53 15.55	
NCT	0.68	22	eP	53 00.10	-0.7
DFR	0.76	29	eP	53 00.54	-0.9
RDT	0.82	38	iP	53 01.07	-0.8
HOM	0.95	106	eP	53 02.06	-0.8
			eS	53 19.54	
CDD	1.02	186	eP	53 02.30	-1.3
			eS	53 20.58	
CNPM	1.19	109	eP	53 03.95	-1.3
			eS	53 22.07	
BKG	1.28	27	eP	53 05.74	-0.5
			eS	53 26.13	
BRLK	1.30	97	eP	53 05.72	-0.7
			eS	53 24.46	
NKA	1.36	53	eP	53 08.18	1.2
BGL	1.43	21	eP	53 07.76	-0.1
SYI	1.44	158	eP	53 06.29	-1.6
			eS	53 26.59	
CP2	1.46	23	eP	53 07.96	-0.4
CRP	1.48	25	(P)	53 07.63	-0.9
CGLM	1.54	27	eP	53 08.76	-0.4
SVW	1.60	318	P	53 09.00	-0.7
NCG	1.60	23	eP	53 09.84	0.0
SLKM	1.70	69	eP	53 09.68	-1.3
SEW	2.01	84	eP	53 13.16	-1.4
SUA	2.02	40	eP	53 14.53	-0.4
MPA	2.11	73	eP	53 14.66	-1.2
SKT	2.25	24	eP	53 17.10	-0.6
PMS	2.32	54	P	53 17.30	-1.2
PWA	2.45	44	P	53 21.30	1.2
PLRM	2.69	50	eP	53 22.55	-0.6
PMR	2.69	50	eP	53 21.68	-1.5
PWL	2.70	68	eP	53 20.98	-2.4
CUT	2.91	30	eP	53 25.31	-0.8
CFI	3.07	64	eP	53 26.80	-1.3
SML	3.12	51	eP	53 27.73	-1.2
HIN	3.50	79	eP	53 32.36	-1.5
VLZ	3.71	68	eP	53 34.74	-1.9
KLU	4.01	64	eP	53 38.04	-2.7
BALM	5.60	74	(P)	54 01.17	-1.0

46 obs. associated

* SEP 22, 1993 05h 02m 51.06± 0.87s
35.522 N ±12.5km 24.146 E ±13.6km
DEPTH = 10.0km (geophysicist)
3.5mb (2 obs.)

CRETE (370)
MD 3.6 (ATH).

VAM	0.12	159	ePg	02 54.00	-0.1
NFS	1.23	102	ePb	03 14.00	0.1
VLI	1.54	321	ePb	03 19.20	0.6
GEC2	15.38	333	P	06 29.90	0.2
	0.6s	1.30nm			3.5mb
KHC	15.66	333	eP	06 32.50	-0.8
	0.8s	3.00nm			3.6mb
			e	06 48.50	

S.D. = 0.7 on 5 of 5 obs.

? SEP 22, 1993 05h 09m 36.12± 2.66s

24.183 S ±61.3km 174.930 W ±34.6km
DEPTH = 32.2km (2 depth phases)
5.2mb (7 obs.)

SOUTH OF TONGA ISLANDS (175)

DZM	17.26	273	iPd	13 37.20	0.7
CTA	36.11	269	iPd	16 35.50	-1.7
	0.7s	61.64nm			5.6mb
ASPA	46.56	260	eP	18 02.80	-0.1
	0.8s	5.50nm			4.6mb
Z	19s	0.40um			4.4MsZ
WB2	46.99	265	eP	18 02.90	-3.5X
	0.8s	6.70nm			4.7mb
		i	18 15.20		
		i	20 44.00		
MDJ	85.15	324	eP	22 09.90	-0.3
CN2	86.94	321	eP	22 17.80	-1.2
	1.0s	11.00nm			5.0mb
		eP	22 26.00		26km
GYA	90.92	299	P	22 39.00	0.6
	1.2s	16.00nm			5.2mb
		pP	22 51.00		39km
TIY	91.83	311	eP	22 42.50	0.2
XAN	92.60	306	P	22 46.00	0.1
	1.2s	14.00nm			5.3mb
CHTO	94.14	289	iPd	22 54.90	1.7
	0.9s	10.87nm			5.3mb
KSP	152.00	345	ePKPd	29 30.20	7.7X
CIL	152.23	349	iPKPd	29 30.40	7.6X
	1.2s	10.00nm			
BRG	152.48	348	ePKP	29 30.70	7.5X
	0.9s	9.00nm			
		e	29 43.50		
KHC	154.22	347	ePKP	29 35.50	9.8X
		e	30 04.00		

S.D. = 1.2 on 9 of 14 obs.

SEP 22, 1993 05h 21m 15.12± 0.29s
42.281 N ± 2.2km 122.016 W ± 5.0km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 3.2 (GS). MD 2.8 (SEA).

LHEM	0.67	193	P	21 28.32	-0.2
LGMM	0.69	169	P	21 28.55	-0.5
LMHM	0.75	159	P	21 31.20	0.8
LASM	0.76	154	P	21 29.29	-1.2
LMPM	0.80	188	P	21 30.61	-0.7
LBFM	0.94	174	eP	21 32.25	-1.4
LGBM	0.94	188	P	21 33.34	-0.4
LPDM	1.11	167	P	21 37.02	0.5
DBO	1.23	313	P	21 38.27	-0.3
LBKM	1.29	202	P	21 38.06	-1.5
KSXM	1.46	253	P	21 43.15	0.9
KOMM	1.47	227	P	21 41.68	-0.7
HSO	1.47	328	Pd	21 41.96	-0.5
LGPM	1.50	204	eP	21 41.36	-1.4
NCOR	1.56	24	P	21 43.45	-0.3
HBO	1.58	352	Pd	21 43.69	-0.3
		S	22 05.49		
KSCM	1.60	273	P	21 44.90	0.7
WDC	1.74	193	eP	21 46.73	0.5
LCFM	1.83	168	P	21 48.88	1.1
TCO	1.85	9	P	21 47.35	-0.6
LSLM	1.88	169	P	21 49.56	1.3
LHKM	1.93	163	P	21 49.50	0.4
MIN	1.96	171	P	21 50.88	1.4
RNO	2.06	323	P	21 52.46	1.6
FBO	2.07	349	P	21 50.48	-0.5
		S	22 19.42		
FHC	2.09	226	(P)	21 52.34	1.1
GMO	2.29	19	P	21 54.85	0.5
BPO	2.38	6	P	21 55.22	-0.4
KMPM	2.44	221	(P)	21 56.05	-0.4
VIPM	2.45	24	P	21 55.68	-0.9
MPOR	2.49	334	P	21 56.68	-0.4
SSOR	2.59	353	P	21 58.04	-0.5
ORV	2.75	172	eP	22 01.09	0.4
VBEM	2.80	6	P	22 04.90	3.4X
CROR	2.80	15	P	22 04.51	3.0X
GT2	2.88	356	P	22 03.31	0.7
VLL	3.19	4	P	22 12.53	5.5X
VGB	3.35	15	eP	22 06.76	-2.5X
JBO	3.55	26	P	22 19.33	7.3X
GL2	3.78	13	P	22 21.11	5.8X
ASR	3.88	4	P	22 18.98	2.1
SHW	3.91	358	(P)	22 23.36	6.0X

LON 4.47 2 eP 22 23.82 -1.3
S.D. = 1.0 on 36 of 43 obs.

& SEP 22, 1993 05h 45m 53.00s
42.300 N 122.000 W
DEPTH = 5.0km (geophysicist)
OREGON (32)
<SPEC>. ML 2.7 (GS). Multiple
event. Held to mainshock
location.

LGMM	0.71	170	P	46 07.57	0.3
LASM	0.77	156	P	46 08.34	-0.2
LMPM	0.82	189	P	46 09.43	-0.1
LBFM	0.96	175	eP	46 11.26	-0.6
		e	46 25.31		
LGBM	0.97	189	P	46 12.07	0.1
LBKM	1.31	203	P	46 17.94	0.1
LGPM	1.52	204	eP	46 20.60	-0.4
WDC	1.77	193	eP	46 24.54	0.1
ORV	2.77	172	eP	46 39.46	0.6
VGB	3.33	15	(P)	46 57.65	10.8

10 obs. associated

* SEP 22, 1993 05h 50m 30.75± 2.55s
42.309 N ±17.8km 122.020 W ±11.9km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.7 (GS). MD 2.4 (SEA).

LGMM	0.72	169	P	50 45.65	0.5
LASM	0.78	155	P	50 46.52	-0.1
LMPM	0.83	187	P	50 47.56	0.2
LBFM	0.97	174	eP	50 49.64	-0.1
LGBM	0.97	188	P	50 50.09	0.2
LBKM	1.32	202	P	50 55.15	-0.5
KSXM	1.46	252	P	50 57.99	0.1
KOMM	1.49	227	P	50 58.77	0.5
LGPM	1.52	204	eP	50 58.26	-0.5
		eS	51 17.06		
WDC	1.77	193	eP	51 02.03	-0.2
ORV	2.78	172	eP	51 16.62	-0.1

S.D. = 0.4 on 11 of 11 obs.

% SEP 22, 1993 05h 50m 55.15± 3.72s
45.941 N ±25.9km 2.779 E ±11.9km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 1.9 (LDG).

MAF	0.32	332	Pg	51 02.00	0.2
		Sg	51 05.30		
TCF	0.53	312	Pg	51 05.70	-0.1
		Sg	51 11.60		
BGF	0.62	4	Pg	51 07.30	-0.3
		Sg	51 14.60		
LSF	0.92	290	Pg	51 12.80	0.0
		Sg	51 24.00		
AVF	0.94	25	Pg	51 13.20	0.2
		Sg	51 24.90		

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

? SEP 22, 1993 05h 53m 42.48± 6.99s
42.452 N ±48.8km 122.027 W ±19.6km
DEPTH = 5.0km (geophysicist)
OREGON (32)
MD 2.5 (GS).

LGMM	0.86	170	P	53 59.66	0.0
LASM	0.92	158	P	54 00.68	0.1
LMPM	0.97	186	P	54 01.50	0.0
LBFM	1.11	175	eP	54 03.75	-0.2
LGBM	1.11	187	P	54 04.11	0.1
LBKM	1.45	199	P	54 09.35	-0.2
LGPM	1.65	202	eP	54 12.47	0.1
		eS	54 32.24		

S.D. = 0.1 on 7 of 7 obs.

& SEP 22, 1993 06h 01m 29.00s
42.300 N 122.000 W
DEPTH = 5.0km (geophysicist)
OREGON (32)
<SPEC>. MD 2.4 (GS). Held to
mainshock location.

LGMM	0.71	170	P	01 43.97	0.7
LASM	0.77	156	P	01 44.04	-0.5

22d 06h

LMPM 0.82 189 P 01 45.09 -0.4
 LBFM 0.96 175 eP 01 46.91 -0.9
 LGBM 0.97 189 P 01 48.09 0.1
 LGPM 1.52 204 eP 01 55.08 -1.9
 6 obs. associated

? SEP 22, 1993 06h 15m 41.67± 1.25s
 40.616 N ±11.6km 27.468 E ±11.8km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.6 (ISK).

MFT 0.22 320 iPg 15 46.50 0.0
 EDC 0.40 132 iPg 15 50.10 0.2
 iSg 15 55.10
 KCT 0.77 118 ePg 15 56.50 -0.2
 eSg 16 06.50
 CTT 0.90 54 iPg 15 59.00 0.0
 iSg 16 11.00

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

& SEP 22, 1993 06h 33m 26.00s
 42.300 N 122.000 W
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 <SPEC>. MD 2.4 (GS). Held to
 mainshock location.

LGMM 0.71 170 P 33 39.95 -0.3
 LASM 0.77 156 P 33 40.70 -0.9
 LMPM 0.82 189 P 33 41.58 -0.9
 LBFM 0.96 175 eP 33 44.24 -0.6
 eS 33 56.65
 LGBM 0.97 189 P 33 44.43 -0.6
 LBKM 1.31 203 P 33 49.90 -0.9
 LGPM 1.52 204 eP 33 52.29 -1.7
 7 obs. associated

SEP 22, 1993 06h 41m 14.32± 0.26s
 42.331 N ± 2.0km 121.950 W ± 5.0km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 2.9 (GS). MD 2.7 (SEA).

LHEM 0.73 196 P 41 29.20 0.3
 LGMM 0.74 173 P 41 29.11 0.1
 LASM 0.78 159 P 41 29.36 -0.8
 LMHM 0.78 164 P 41 30.20 0.0
 LMPM 0.86 191 P 41 31.29 -0.2
 LBFM 0.98 177 ePd 41 33.39 -0.2
 eS 41 47.86

LGBM 1.00 191 P 41 33.90 -0.1
 LPDM 1.15 170 P 41 36.30 -0.1
 DBO 1.24 310 P 41 36.89 -0.9
 S 41 54.65

LBKM 1.36 203 P 41 39.22 -0.7
 HSO 1.46 325 P 41 40.24 -1.2
 S 42 00.55

NCOR 1.50 23 P 41 40.87 -1.2
 S 42 01.74
 HBO 1.54 350 ePd 41 41.56 -1.0
 S 42 03.22

KOMM 1.54 227 P 41 43.49 0.9
 LGPM 1.56 205 eP 41 42.33 -0.6
 eS 42 03.90

TCO 1.79 8 P 41 46.12 -0.2
 WDC 1.81 194 eP 41 44.90 -1.4
 LCFM 1.87 170 P 41 47.99 0.5
 LSLM 1.92 171 P 41 49.06 1.0

LHKM 1.96 165 P 41 49.56 0.8
 FBO 2.03 347 P 41 49.48 -0.2
 S 42 17.30

RNO 2.05 321 P 41 50.59 0.6
 GMO 2.23 19 P 41 53.15 0.5
 BPO 2.33 5 P 41 54.83 0.8
 VIPM 2.38 24 P 41 55.46 0.6

MPOR 2.47 332 P 41 56.90 1.0
 KMPM 2.51 221 eP 41 57.75 1.2
 SSOR 2.55 352 P 41 57.68 0.6
 CROR 2.74 14 P 42 03.09 3.2X

ORV 2.79 173 eP 42 01.04 0.5
 VGB 3.29 15 (P) 42 07.84 0.2
 SHW 3.87 357 (P) 42 24.77 8.9X
 BONR 5.19 146 eP 42 33.98 -0.8

S.D. = 0.8 on 31 of 33 obs.

SEP 22, 1993 06h 44m 19.21± 0.25s

15.843 S ± 4.8km 166.383 E ± 6.6km
 DEPTH = 44.3km (9 depth phases)
 5.3mb (24 obs.) 4.8Msz (6 obs.)
 VANUATU ISLANDS (186)

Mw 5.2 (HRV).

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 25S, 37C

Centroid Location:

Origin Time 06:44:19.8 0.4

Lat 15.76S 0.05 Lon 166.13E 0.05

Dep 15.7 2.9 Half-duration 1.0

Moment Tensor; Scale 10**16 Nm

Mrr= 7.37 0.31 Mtt= 0.33 0.58

Mff=-7.70 0.57 Mrt= 0.34 1.14

Mrf=-0.72 1.24 Mtf= 0.82 0.29

Principal Axes:

T Val= 7.42 Plg=86 Azm= 47

N 0.40 2 174

P -7.82 3 264

Best Double Couple: Mo=7.6*10**16

NP1: Strike=357 Dip=42 Slip= 93

NP2: 172 48 87

BKM 2.54 136 iPd 44 59.00 0.0

PVC 2.64 136 iP 45 00.00 -0.3

iS 45 31.00

DZM 6.20 179 iPc 45 48.20 -2.4

iS 46 57.20

HNR 8.94 315 eP 46 27.00 -1.8

CTA 19.60 255 iPd 48 47.20 0.3

0.8s 99.25nm 5.2mb

ARMA 19.83 220 eP 48 50.40 1.1

0.9s 50.00nm 4.8mb

BWA 24.56 218 iPc 49 36.20 -0.1

epP 49 43.10 25kmX

CNB 24.66 215 iPc 49 38.50 1.2

1.0s 150.00nm 5.5mb

CAN 24.87 216 iPc 49 40.00 0.8

epP 49 46.30 22kmX

STK 27.63 230 iPc 50 04.50 -0.2

1.4s 7.30nm 4.1mb X

TOO 28.45 216 eP 50 13.00 0.9

1.1s 88.00nm 5.3mb

WB2 30.73 258 eP 50 28.80 -3.8X

0.9s 2.80nm 4.0mb X

WRA 30.74 258 P 50 30.90 -1.8

0.8s 0.40nm 3.2mb X

ASPA 31.49 251 iPc 50 37.60 -1.7

0.7s 19.80nm 5.0mb

Z 23s 2.30um 4.8MszX

MEEK 45.57 248 iPc 52 36.80 -0.1

CHJJ 57.75 334 P 54 07.00 -1.1

MAT 58.50 334 eP 54 12.00 -1.4

0.9s 20.17nm 5.2mb

eS 02 12.00

TSRJ 58.66 331 P 54 14.10 -0.4

MTMJ 58.71 333 P 54 14.10 -0.9

NIJ 58.76 335 P 54 14.90 -0.2

YSS 66.09 343 iPc 55 03.50 -0.2

1.0s 40.00nm 5.4mb

Z 18s 0.40um 4.7Msz

N 19s 0.50um

e 55 16.10 43km

MDJ 68.86 333 Pc 55 21.50 0.2

1.5s 84.00nm 5.5mb

pP 55 34.20 44km

eS 04 25.50

CN2 70.16 330 iPc 55 29.40 0.2

1.0s 34.00nm 5.3mb

Z 16s 0.36um 4.7MszX

epP 55 42.00 43km

GYA 71.65 305 iPc 55 38.80 0.1

1.2s 23.00nm 5.0mb

BJI 72.60 322 eP 55 44.50 0.6

1.8s 57.00nm 5.2mb

Z 20s 0.60um 4.9Msz

eS 05 04.00

eSS 09 50.00

TIY 73.50 318 Pc 55 50.00 0.6

Z 20s 0.75um 5.0Msz

sP 56 03.50

S 05 06.50

XAN 73.82 313 Pc 55 51.20 0.0

1.0s 13.00nm 4.8mb

Z 22s 0.59um 4.8Msz

pP 56 04.00 44km

S 05 20.00
 KMI 74.17 302 Pc 55 54.50 0.8
 1.5s 80.00nm 5.4mb
 pP 56 09.00 51km
 SPA 74.26 180 iPc 55 53.60 0.2
 1.1s 35.71nm 5.2mb
 CHTO 74.76 295 eP 55 57.10 0.2
 HHC 75.88 320 P 56 04.80 1.8
 CD2 76.01 308 iPc 56 04.20 0.3
 BTO 76.70 319 eP 56 09.00 1.4
 LZH 78.44 313 Pc 56 19.00 1.6
 1.6s 76.00nm 5.4mb
 Z 24s 0.42um 4.7MszX
 pP 56 33.50 51km
 CIT 81.57 330 eP 56 34.00 0.4
 GTA 82.82 314 iPc 56 41.50 1.0
 2.0s 120.00nm 5.6mb
 pP 56 54.00 42km
 sP 56 59.50
 YAK 82.82 344 iPc 56 39.80 0.0
 1.5s 105.00nm 5.7mb
 TTA 83.82 16 eP 56 57.60 12.5X
 ILT 84.21 6 iPd 56 46.80 0.1
 1.6s 62.00nm 5.5mb
 PMR 84.83 20 eP 56 50.10 0.1
 1.3s 92.00nm 5.8mb
 e 57 02.80 42km
 ZAK 85.96 325 iPc 56 56.00 0.2
 1.3s 43.00nm 5.5mb
 IRK 86.39 327 eP 56 57.00 -1.0
 1.5s 15.00nm 5.0mb
 FBA 87.67 18 eP 57 03.20 -0.7
 0.7s 6.00nm 4.9mb
 e 57 15.40 40km
 KKN 89.65 299 P 57 00.00 -14.4X
 WMQ 92.90 315 iPd 57 30.00 1.2
 1.4s 46.00nm 5.7mb
 Z 26s 0.53um 4.9MszX
 eS 08 22.50
 YKA 98.92 27 eP 58 06.50 10.8X
 0.8s 8.20nm
 NRI 100.64 339 ePd 58 03.00 -0.3
 2.2s 26.00nm 5.4mb
 PPD 127.26 135 (PKP) 03 22.00 0.6
 NB2 131.46 344 PKP 03 27.80 -0.4
 0.7s 1.10nm
 GEC2 140.23 332 PKP 03 37.90 -7.2X
 1.1s 1.12nm
 e 03 46.90
 CDF 143.27 337 ePKP 03 47.90 -2.5
 SOB1 143.27 131 ePKP 03 51.90 0.5
 OSS 143.44 332 ePKPd 03 48.80 -2.1
 VDL 143.89 333 ePKPd 03 49.90 -1.8
 TMA 144.45 333 ePKPd 03 51.40 -1.2
 MMK 144.89 334 ePKPc 03 53.20 -0.3
 DIX 145.10 334 ePKPd 03 53.60 -0.3
 FLN 145.45 345 ePKP 03 53.50 -0.5
 1.0s 42.40nm
 Z 22s 0.15um 4.7Msz
 LOR 145.48 339 ePKP 03 54.10 0.0
 1.0s 36.60nm
 Z 23s 0.13um 4.6MszX
 LDF 145.51 344 ePKP 03 53.70 -0.4
 0.9s 27.20nm
 LBF 145.68 338 ePKP 03 54.70 0.2
 1.1s 47.60nm
 SSF 145.78 339 ePKP 03 55.20 0.6
 1.2s 69.60nm
 LPL 145.83 334 ePKP 03 55.60 0.5
 1.1s 16.10nm
 LPG 145.84 334 ePKP 03 55.80 0.6
 1.2s 25.60nm
 GRR 145.89 345 ePKP 03 55.30 0.5
 1.1s 59.85nm
 SMF 146.02 338 ePKP 03 55.50 0.4
 1.1s 23.95nm
 AVF 146.06 339 ePKP 03 55.60 0.5
 1.0s 19.40nm
 LPF 146.27 345 ePKP 03 56.50 1.1
 0.9s 28.35nm
 BCAA 146.44 254 iPKPc 03 58.00 1.3
 0.7s 36.00nm
 id 04 11.00
 BGF 146.44 339 ePKP 03 57.00 1.3
 1.1s 31.00nm
 MAF 146.83 339 ePKP 03 58.20 1.8X
 1.3s 23.10nm

22d 07h

SBF 146.83 332 ePKP 03 57.70 1.2
 1.0s 33.80nm
 TCF 146.89 340 ePKP 03 58.20 1.7X
 1.1s 23.20nm
 PGF 147.07 328 ePKP 03 58.70 1.7X
 1.1s 41.50nm
 LSF 147.15 340 ePKP 03 58.70 1.8X
 1.1s 33.70nm
 MFF 147.34 343 ePKP 03 59.40 2.3X
 1.0s 29.00nm
 FRF 147.42 332 ePKP 03 59.50 2.1X
 1.0s 22.20nm
 LRG 147.64 332 ePKP 04 00.20 2.5X
 1.2s 44.05nm
 LMR 147.66 332 ePKP 04 00.10 2.3X
 1.0s 20.00nm
 RJF 147.99 340 ePKP 04 01.50 3.2X
 1.1s 33.20nm
 Z 21s 0.10um 4.6MsZ
 LFF 148.56 340 ePKP 04 02.90 3.7X
 1.2s 30.35nm
 LPO 148.64 339 ePKP 04 03.30 4.0X
 0.9s 12.80nm
 EPF 150.39 339 ePKP 04 08.60 6.5X
 0.9s 5.90nm
 S.D. = 1.0 on 66 of 83 obs.

& SEP 22, 1993 06h 59m 26.00s
 42.300 N 122.000 W
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 <SPEC>. MD 2.2 (GS). Held to
 mainshock location.

LGMM 0.71 170 P 59 40.24 0.0
 LMHM 0.76 160 P 59 43.79 2.3
 LASM 0.77 156 P 59 41.06 -0.5
 LMPM 0.82 189 P 59 41.93 -0.6
 LBFM 0.96 175 eP 59 43.74 -1.1
 LGBM 0.97 189 P 59 44.56 -0.4
 LGPM 1.52 204 eP 59 52.60 -1.4
 eS 00 11.51
 7 obs. associated

& SEP 22, 1993 07h 01m 00.08s
 37.201 N 116.210 W
 DEPTH = 0.0km
 4.1mb (6 obs.)
 SOUTHERN NEVADA (41)
 <DOE>. ML 4.1 (BRK). Tunnel
 Shot. 37' 12" 05.07" N., 116'
 12' 35.73" W., Surface Elev.
 2188 m., Depth of Burial 335 m.,
 Shot Time 070100.077, Nevada
 Test Site. U.S. Department of
 Energy non-nuclear experiment
 using approximately 1.3 million
 kilograms of a commercial
 blasting agent.

TPNV 0.25 187 ePc 01 05.01 -0.1
 TNP 1.19 318 iPc 01 22.92 -0.4
 BCKR 1.79 287 P 01 32.31 -0.3
 VPEN 1.80 226 P 01 32.52 -0.2
 BHPR 1.82 274 P 01 32.91 -0.2
 BONR 1.82 295 iPc 01 32.92 -0.3
 MTUM 1.88 275 iPc 01 33.76 -0.3
 eS 02 03.27
 MRCM 1.89 285 iPc 01 33.79 -0.3
 CASR 1.90 282 P 01 34.14 -0.2
 WCHM 2.00 229 P 01 35.29 -0.4
 CLKR 2.12 281 P 01 37.15 -0.4
 MEMM 2.22 283 iPc 01 38.41 -0.3
 WORM 2.22 228 P 01 38.27 -0.5
 ARUT 2.28 74 iPc 01 38.71 -1.0
 MPM 2.28 281 iPc 01 39.15 -0.8
 KVN 2.37 322 eP 01 40.56 -0.6
 ISA 2.38 231 iPc 01 40.48 -0.7
 WASM 2.39 233 P 01 41.32 0.0
 WOFM 2.62 231 P 01 44.32 -0.1
 ARVC 2.96 226 P 01 49.84 0.6
 SSK 3.22 202 eP 01 53.00 -0.1
 PKEM 3.34 251 eP 01 54.61 0.0
 ABL 3.38 227 eP 01 54.39 -1.1
 PEC 3.39 193 ePn 01 54.11 -1.3
 CMB 3.42 285 ePnc 01 54.82 -1.0
 ePg 02 02.35

MSU 3.45 66 ePnc 01 55.38 -1.1
 ePg 02 05.45
 YEG 3.50 241 P 01 57.18 0.1
 CTM 3.56 250 P 01 58.54 0.7
 MCUM 3.58 284 P 01 57.63 -0.5
 BCH 3.72 238 ePn 01 59.33 -0.9
 MNHM 3.77 286 P 02 00.96 0.1
 SCCM 3.92 236 P 02 03.03 0.1
 DUG 4.00 41 ePn 02 02.96 -1.2
 SAO 4.21 266 ePn 02 06.95 -0.1
 ARN 4.25 274 ePn 02 07.38 -0.2
 COE 4.36 272 eP 02 09.28 0.1
 HMR 4.54 284 (P) 02 12.90 1.3
 ORV 4.78 301 eP 02 13.76 -1.3
 SRU 4.87 65 eP 02 16.06 -0.5
 EMUT 4.97 57 eP 02 18.45 0.4
 JEGM 4.99 275 (P) 02 18.53 0.5
 DAU 5.03 49 eP 02 19.79 0.9
 NTYM 5.25 285 (P) 02 21.66 0.0
 HVU 5.29 29 eP 02 21.16 -1.3
 PV09 5.75 75 eP 02 28.60 -0.5
 PV10 5.80 76 eP 02 28.70 -1.1
 PV08 6.14 75 eP 02 33.89 -0.7
 PTI 6.38 26 eP 02 37.06 -0.8
 HHAI 6.75 25 eP 02 43.04 0.0
 BW06 7.56 40 ePc 02 53.78 -0.6
 TCO 8.02 331 P 03 03.50 2.6
 VIPM 8.03 337 P 03 02.54 1.6
 MCMT 8.03 17 eP 03 02.50 1.4
 ALQ 8.21 103 eP 03 01.47 -2.1
 JBO 8.69 343 P 03 12.08 2.0
 LNOR 8.80 350 P 03 14.33 2.8
 GOL 8.86 70 eP 03 11.80 -0.9
 SSOR 8.99 330 P 03 16.49 2.3
 VGB 8.99 339 (P) 03 14.53 0.4
 RSW 9.52 346 P 03 23.34 1.8
 GBL 9.70 347 P 03 26.49 2.6
 MDW 9.77 345 P 03 26.68 1.8
 MXC 9.85 343 P 03 28.56 2.6
 CRF 9.90 347 P 03 29.19 2.5
 EBG 10.23 343 P 03 34.18 3.0
 OD2 10.35 351 P 03 34.39 1.5
 TBM 10.48 343 P 03 36.63 1.9
 DPW 10.76 353 eP 03 39.70 1.1
 NEW 11.08 357 eP 03 43.70 0.9
 RSSD 11.54 49 eP 03 46.83 -2.5
 MCW 12.45 339 (P) 04 03.76 2.3
 MEO 14.47 94 iPc 04 30.10 1.8
 TUL 16.46 88 iP 04 55.50 1.5
 ULM 19.57 42 eP 05 33.00 0.7
 FVM 20.43 80 eP 05 41.35 -0.3
 0.8s 7.68nm 4.1mb
 YKA 25.34 2 eP 06 28.20 -1.7
 0.7s 1.50nm 3.8mb
 GBTN 25.73 84 (P) 06 31.62 -2.2
 FBA 33.42 336 eP 07 41.18 -1.1
 0.8s 2.14nm 4.1mb
 LMN 38.86 61 eP 08 25.50 -3.1
 NB2 73.16 24 P 12 32.00 -2.1
 0.9s 1.40nm 4.1mb
 HFS 74.64 23 eP 12 40.30 -2.4
 0.5s 1.50nm 4.3mb
 GEC2 83.48 31 P 13 29.20 -1.7
 1.0s 1.34nm 4.1mb
 82 obs. associated
 SEP 22, 1993 07h 21m 19.19± 0.88s
 42.293 N ± 6.6km 122.163 W ± 9.0km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.9 (GS). MD 2.4 (SEA).

LGMM 0.73 160 P 21 34.30 0.4
 LMPM 0.80 180 P 21 35.24 -0.2
 LMHM 0.81 152 P 21 37.38 1.9
 LASM 0.82 148 P 21 34.91 -0.8
 LGBM 0.95 181 P 21 38.18 0.3
 LBFM 0.97 168 ePc 21 37.76 -0.4
 eS 21 51.52
 LBKM 1.26 197 P 21 43.00 -0.2
 KSXM 1.36 251 P 21 45.93 1.1
 LGPM 1.47 200 eP 21 45.98 -0.5
 WDC 1.73 190 eP 21 48.58 -1.6
 ORV 2.78 169 (P) 22 05.46 0.2
 VGB 3.37 17 (P) 22 13.35 -0.3
 S.D. = 1.0 on 12 of 12 obs.

* SEP 22, 1993 07h 21m 41.09± 1.47s
 32.520 S ± 9.5km 70.458 W ± 13.5km
 DEPTH = 105.7 ± 21.3 km
 CHILE-ARGENTINA BORDER REGION (127)
 MD 4.1 (SAN).

JACH 0.20 215 iP 21 55.30 -1.2
 iS 22 05.48
 ROCH 0.65 226 iP 21 58.49 -0.6
 iS 22 11.01
 PEL 0.65 197 iP+ 21 58.44 -0.5
 iS 22 10.81
 FCH 0.82 170 iP 22 01.17 0.4
 iS 22 15.66
 SAN 0.95 190 iP 22 02.10 0.4
 iS 22 17.61
 PCH 1.10 182 iP 22 03.99 0.6
 iS 22 21.01
 TACH 1.20 199 iP 22 04.51 0.0
 iS 22 22.17
 LCCH 1.33 224 eP 22 06.22 0.2
 iS 22 24.19
 LNV 1.64 209 iP 22 09.69 0.0
 iS 22 30.90
 CFA 2.09 65 e(P) 22 17.00 1.4
 S 22 41.00
 RTRS 2.49 20 eP 22 23.00 2.1
 RFA 2.79 144 ePc 22 25.30 0.3
 MRA 4.02 90 ePd 22 40.90 -0.6
 S 23 26.00
 RTPR 4.03 58 eP 22 42.00 0.2
 CYA 5.72 46 ePc 23 02.30 -2.8
 S.D. = 1.3 on 15 of 15 obs.

? SEP 22, 1993 07h 22m 37.87± 5.48s
 41.379 N ± 36.6km 22.683 E ± 15.0km
 DEPTH = 5.0km (geophysicist)
 NORTHWESTERN BALKAN REGION (383)

KNT 0.27 143 iPg 22 43.78 0.4
 eSg 22 47.70
 GRG 0.47 207 iPg 22 47.58 0.2
 eSg 22 54.86
 SRS 0.73 111 ePg 22 52.50 0.0
 eSg 23 02.34
 SOH 0.75 137 ePg 22 53.10 0.1
 eSg 23 03.66
 THE 0.78 164 iPg 22 52.70 -0.7
 eSg 23 05.94
 S.D. = 0.6 on 5 of 5 obs.

SEP 22, 1993 07h 24m 15.20± 0.28s
 42.319 N ± 2.1km 122.122 W ± 5.4km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.6 (GS), 3.1 (BRK). MD 3.1
 (SEA).

LHEM 0.69 186 P 24 29.39 0.3
 YBH 0.73 217 ePc 24 29.05 -0.8
 eS 24 39.49
 LGMM 0.75 163 P 24 29.88 -0.3
 LMHM 0.82 155 P 24 31.72 0.0
 LASM 0.83 150 P 24 30.60 -1.2
 LMPM 0.83 182 P 24 31.87 0.0
 LGBM 0.97 183 P 24 34.27 -0.1
 LBFM 0.99 170 eP 24 34.15 -0.4
 eS 24 48.21
 DBO 1.15 314 P 24 36.17 -1.1
 S 24 51.95
 LPDM 1.17 164 P 24 37.29 -0.3
 LBKM 1.30 198 P 24 38.81 -1.0
 HSO 1.40 330 P 24 39.77 -1.7
 S 24 58.50
 KOMM 1.44 224 P 24 42.29 0.2
 LGPM 1.50 201 eP 24 42.01 -0.9
 eS 25 02.92
 HBO 1.53 355 P 24 42.03 -1.4
 S 25 03.13
 KRMM 1.55 240 P 24 48.36 4.7X
 NCOR 1.56 27 P 24 42.42 -1.4
 WDC 1.77 190 eP 24 45.35 -1.3
 TCO 1.83 12 P 24 47.44 -0.3
 LCFM 1.89 166 P 24 49.56 0.9
 LDBM 1.90 172 P 24 52.63 3.9X
 RNO 1.99 324 P 24 50.53 0.7
 LHKM 1.99 161 P 24 53.29 3.3X

22d 07h

MIN	2.01	169	eP	24	51.38	1.1
FBO	2.02	351	P	24	49.57	-0.8
			S	25	16.30	
FHC	2.06	223	eP	24	53.97	3.0
GMO	2.28	21	P	24	54.19	-0.1
BPO	2.35	8	P	24	56.17	0.8
MPOR	2.42	335	P	24	56.58	0.4
			S	25	29.63	
KMPM	2.42	219	eP	24	56.54	0.3
VIPM	2.45	26	P	24	56.35	-0.3
MGL	2.54	170	P	24	58.08	0.2
SSOR	2.55	355	P	24	57.14	-0.8
			S	25	33.62	
VBEM	2.77	8	P	25	03.43	2.2
CROR	2.79	17	P	25	04.31	2.9X
ORV	2.80	170	eP	25	01.32	-0.2
GT2	2.84	358	P	25	03.50	1.4
VGB	3.34	16	eP	25	09.42	0.2
ASR	3.85	5	P	25	17.38	0.9
SHW	3.87	359	(P)	25	16.78	-0.1
BMW	4.23	350	(Pn)	25	23.09	1.3
LON	4.44	3	eP	25	23.80	-0.9
CMB	4.48	162	(Pn)	25	26.35	1.0
			ePg	25	37.23	
BONR	5.25	145	ePn	25	36.81	0.3
GMW	5.25	355	ePg	25	48.84	12.6X
MCMT	7.19	66	eP	26	14.50	10.8X
HHAI	7.23	79	ePg	26	23.26	19.0X

S.D. = 1.0 on 40 of 47 obs.

? SEP 22, 1993 07h 31m 49.18± 1.11s
39.153 N ± 8.3km 27.629 E ±13.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.8 (ISK).

I2M	0.81	201	ePg	32	04.80	-0.1
			iSg	32	15.80	
EDC	1.21	9	ePn	32	11.10	-0.5
EZN	1.21	304	iPn	32	11.90	0.2
KCT	1.23	27	ePn	32	12.50	0.4

S.D. = 0.7 on 4 of 4 obs.

% SEP 22, 1993 08h 53m 36.57± 0.56s
40.175 N ± 6.0km 29.290 E ± 4.8km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 3.1 (ISK).

KCT	0.72	276	iPg	53	50.50	-0.2
			eSg	54	00.50	
EYL	0.77	59	iPg	53	51.00	-0.7
GPA	0.79	81	ePg	53	52.70	0.8
ISK	0.91	349	iPg	53	54.30	0.4
			iSg	54	06.50	
EDC	1.11	279	iPn	53	57.50	0.2
ALT	1.29	150	iPn	54	00.10	-0.4
DMK	2.01	325	ePn	54	10.50	-0.4
I2M	2.37	222	ePn	54	16.50	0.3

S.D. = 0.6 on 8 of 8 obs.

? SEP 22, 1993 08h 59m 38.44± 5.99s
10.925 N ±20.4km 60.398 W ±58.2km
DEPTH = 50.0km (geophysicist)

TRINIDAD (98)
MD 2.8 (TRN).

BOT	0.40	307	eP	59	48.50	0.0
			eS	59	59.01	
TPR	0.45	305	eP	59	49.25	0.0
			eS	00	00.59	
TBH	0.79	236	eP	59	53.61	0.1
			eS	00	06.58	
TRN	1.03	254	eP	59	56.23	-0.5
			eS	00	14.33	
TCE	1.35	260	eP	00	01.63	0.4
			eS	00	21.38	

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

* SEP 22, 1993 09h 05m 05.06± 2.08s
23.047 N ± 9.0km 142.948 E ±13.4km
DEPTH = 54.3 ± 18.5 km
4.7mb (11 obs.)

VOLCANO ISLANDS REGION (213)

IIDJ	13.14	342	P	08	11.30	0.4
KAKJ	13.33	350	P	08	12.70	-0.6

CHJJ	13.40	346	P	08	12.90	-1.4
			S	10	33.10	
MAT	14.06	344	eP	08	22.00	-0.9
	0.7s		6.16nm			4.4mb
			eS	10	48.00	
MTMJ	14.21	343	P	08	24.20	-0.7
NIIJ	14.55	347	P	08	28.80	-0.5
			S	11	00.10	
YAMJ	15.28	351	P	08	39.30	0.5
			S	11	17.00	
OFUJ	16.02	356	P	08	49.60	1.4
			S	11	34.80	
HOOJ	19.28	1	eP	09	29.90	1.7
MRRJ	19.39	356	eP	09	30.50	1.2
SSE	20.95	297	Pc	09	46.00	0.4
	0.7s		37.00nm			4.8mb
ASAJ	21.02	359	eP	09	49.50	3.3X
NJ2	23.13	298	eP	10	08.00	0.8
CD2	35.65	291	eP	11	59.50	-0.5
LZH	36.17	300	eP	12	05.00	0.6
	1.5s		27.00nm			5.0mb
GTA	39.92	304	eP	12	36.00	0.3
	1.5s		12.00nm			4.5mb
WB2	43.54	192	eP	13	05.20	-0.1
	0.3s		31.80nm			5.5mb
ASPA	47.26	191	iPd	13	35.00	0.1
	0.8s		5.90nm			4.6mb
WMQ	49.56	309	P	13	54.00	1.3
	0.8s		16.00nm			5.1mb
KKN	51.90	288	P	14	00.00	-10.8X
STK	54.63	181	eP	14	30.70	0.2
	0.4s		2.60nm			4.6mb
INK	66.43	24	eP	15	51.00	0.7
KAF	81.41	335	iP	17	16.40	-0.8
	0.3s		1.50nm			4.4mb
NUR	82.98	334	eP	17	25.00	-0.4
HFS	87.40	337	eP	17	45.40	-2.0
	0.4s		2.00nm			4.7mb
NB2	87.61	339	P	17	47.40	-1.1
	0.8s		1.70nm			4.3mb

S.D. = 1.0 on 24 of 26 obs.

SEP 22, 1993 09h 07m 25.98± 0.22s
42.205 N ± 1.7km 122.070 W ± 3.5km
DEPTH = 5.0km (geophysicist)

OREGON (32)
ML 3.3 (GS), 3.2 (BRK). MD 2.7 (SEA).

LHEM	0.59	191	P	07	38.06	0.3
LGMM	0.63	164	P	07	38.68	0.1
YBH	0.67	226	eP	07	39.41	0.0
			eS	07	49.21	
LMHM	0.70	154	P	07	39.56	-0.4
LASM	0.71	148	P	07	39.36	-0.8
LMPM	0.72	185	P	07	40.27	-0.1
LGBM	0.86	186	P	07	42.99	-0.3
LBFM	0.87	171	ePd	07	42.85	-0.4
			eS	07	54.59	
LPDM	1.05	164	P	07	45.93	-0.3
LBKM	1.21	202	P	07	48.09	-0.9
DBO	1.26	317	P	07	49.01	-0.9
			S	08	07.23	
KOMM	1.39	229	P	07	51.88	-0.2
KSYM	1.40	255	P	07	52.08	-0.1
LGPM	1.41	204	eP	07	51.49	-1.0
LHCM	1.46	163	P	07	52.91	-0.2
HSO	1.52	331	P	07	53.28	-0.6
			S	08	14.20	
NCOR	1.65	24	P	07	55.38	-0.5
HBO	1.65	354	P	07	55.37	-0.5
WDC	1.66	192	eP	07	56.05	0.2
LCFM	1.77	166	P	07	58.32	0.7
LDBM	1.78	173	P	07	58.22	0.4
LRDM	1.80	165	P	07	58.65	0.7
LSLM	1.81	167	P	07	58.93	0.7
LHKM	1.87	161	P	07	58.93	-0.1
MIN	1.89	169	eP	07	59.60	0.2
TCO	1.93	10	P	07	59.28	-0.7
FHC	2.01	226	(P)	08	01.56	0.6
LCMM	2.10	168	P	08	04.71	2.3X
RNO	2.10	325	P	08	03.57	1.3
FBO	2.14	350	P	08	03.52	0.7
			S	08	31.73	
KMPM	2.36	222	eP	08	06.53	0.4
GMO	2.38	20	P	08	07.29	0.9

MGL	2.42	171	P	08	07.78	0.8
BPO	2.46	6	P	08	08.71	1.1
VIPM	2.53	24	P	08	07.42	-1.2
MPOR	2.54	335	P	08	07.65	-1.0
SSOR	2.67	354	P	08	11.46	1.0
ORV	2.68	171	eP	08	11.23	0.6
VBEM	2.88	7	P	08	16.40	2.9X
GT2	2.95	357	P	08	17.15	2.7X
VGB	3.44	15	(P)	08	21.56	0.2
BONR	5.13	145	eP	08	45.21	-0.5

S.D. = 0.7 on 39 of 42 obs.

* SEP 22, 1993 09h 26m 36.95± 3.14s
33.401 S ± 7.9km 72.182 W ±23.0km
DEPTH = 10.0km (geophysicist)

OFF COAST OF CENTRAL CHILE (134)

LCCH	0.52	98	iP	26	47.66	0.2
			iS	26	57.06	
IHA	0.59	51	eP	26	49.40	0.6
			iS	26	59.40	
LVN	0.85	131	iP	26	52.91	-0.4
			iS	27	06.72	
TACH	1.07	104	iP	26	56.78	-0.3
			iS	27	13.24	
ROCH	1.07	67	iP	26	57.19	-0.1
			iS	27	14.15	
SAN	1.27	93	iP	27	00.42	-0.2
			iS	27	18.70	
PEL	1.28	79	iP	27	00.97	0.2
			iS	27	20.40	
PCH	1.41	99	iP	27	02.36	-0.4
			iS	27	23.62	
JACH	1.52	62	iP	27	03.44	-0.8
			iS	27	26.92	
FCH	1.58	88	iP	27	05.39	0.0
			iS	27	28.53	
RFA	3.37	115	e(P)	27	32.00	1.2

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

? SEP 22, 1993 09h 27m 58.62± 4.61s
33.413 S ±10.5km 72.269 W ±34.0km
DEPTH = 10.0km (geophysicist)

OFF COAST OF CENTRAL CHILE (134)

LCCH	0.59	96	iP	28	10.36	-0.1
			iS	28	20.56	
LVN	0.90	127	iP	28	15.75	0.0
			iS	28	29.50	
TACH	1.14	103	iP	28	19.74	-0.2
			iS	28	36.01	
ROCH	1.14	68	iP	28	20.28	0.1
			iS	28	36.82	
SAN	1.34	92	iP	28	23.23	-0.2
PEL	1.35	79	iP	28	23.99	0.4
PCH	1.48	99	iP	28	25.51	0.1
JACH	1.59	63	iP	28	26.37	-0.5
FCH	1.66	88	iP	28	28.58	0.4

S.D. = 0.4 on 9 of 9 obs.

% SEP 22, 1993 10h 39m 09.52± 1.44s
44.333 N ± 8.3km 7.068 E ±11.9km
DEPTH = 11.1 ± 6.2 km

NORTHERN ITALY (545)

			ML 2.2 (GEN).			
PZZ	0.17	8	P	39	13.80	0.2
			S	39	16.18	
STV	0.20	116	P	39	14.02	-0.1
			S	39	16.54	
ENR	0.27	113	P	39	15.44	0.0
			S	39	18.83	
BHB	0.53	15	P	39	20.07	-0.1
			S	39	26	

22d 11h

40.358 N ±15.7km 21.684 E ±10.2km
DEPTH = 33.0km (normal)
GREECE (364)

FNA	0.49	331	iP	21	32.22	0.6
LIT	0.67	112	eP	21	34.26	0.1
GRG	0.81	42	eP	21	35.42	-0.7
OHR	1.01	319	ePn	21	38.50	-0.5
KNT	1.22	49	eP	21	42.70	0.7
SOH	1.35	69	iP	21	43.70	-0.2

S.D. = 0.8 on 6 of 6 obs.

? SEP 22, 1993 11h 51m 19.83± 1.45s
31.624 S ±24.1km 68.826 W ±17.6km
DEPTH = 100.0km (geophysicist)
SAN JUAN PROVINCE, ARGENTINA (137)

RTCB	0.14	9	ePd	51	34.50	0.1
			(S)	51	43.00	
ZON	0.15	58	iPd	51	34.30	-0.1
			eS	51	46.30	
RTPR	2.39	57	eP	51	58.00	0.0
MRA	2.76	107	iPc	52	03.10	0.0
			S	52	36.80	

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

? SEP 22, 1993 12h 06m 59.41± 0.98s
39.644 N ±10.3km 29.525 E ± 9.9km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.7 (ISK).

ALT	0.74	142	iPg	07	14.10	0.1
			iSg	07	26.60	
EYL	1.04	28	ePg	07	19.10	0.0
KCT	1.08	304	ePn	07	20.40	0.6
EDC	1.46	299	ePn	07	25.10	-0.7

S.D. = 0.9 on 4 of 4 obs.

? SEP 22, 1993 12h 14m 00.19± 1.10s
39.268 N ± 8.4km 27.683 E ±12.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.8 (ISK).

IZM	0.93	201	ePg	14	17.90	-0.1
			eSg	14	31.90	
EDC	1.09	7	ePn	14	20.10	-0.5
KCT	1.11	28	ePn	14	21.40	0.4
EZN	1.19	298	ePn	14	22.50	0.2

S.D. = 0.7 on 4 of 4 obs.

* SEP 22, 1993 12h 20m 08.31± 2.01s
42.347 N ±17.3km 23.985 E ±10.3km
DEPTH = 10.0km (geophysicist)

BULGARIA (359)
ML 3.0 (THE).

SRS	1.26	194	ePb	20	31.68	-0.1
			eSb	20	53.52	
KNT	1.44	215	ePb	20	34.56	0.2
			eSb	20	58.40	
SOH	1.60	197	ePb	20	36.12	-0.6
SKO	1.93	260	ePn	20	41.50	0.0
OUR	2.01	180	ePn	20	43.24	0.6
ALN	2.12	132	ePn	20	44.08	-0.1
			eSn	21	13.64	

S.D. = 0.5 on 6 of 6 obs.

? SEP 22, 1993 12h 21m 03.83± 7.48s
42.369 N ±53.5km 122.108 W ±16.5km
DEPTH = 5.0km (geophysicist)

OREGON (32)
MD 2.5 (GS).

LGMM	0.80	165	P	21	19.34	-0.5
LMHM	0.86	157	P	21	22.75	1.8
LASM	0.87	153	P	21	20.04	-1.1
LMPM	0.88	183	P	21	21.38	0.0
LGBM	1.03	184	P	21	24.02	0.2
LBFM	1.03	171	eP	21	23.65	-0.3
			eS	21	38.92	
LBKM	1.35	198	P	21	29.45	0.1
LGPM	1.55	201	eP	21	32.23	-0.1

S.D. = 1.0 on 8 of 8 obs.

SEP 22, 1993 12h 37m 03.52± 0.07s

6.470 S ± 1.9km 154.901 E ± 2.4km
DEPTH = 27.5km (geophysicist)
6.1mb (109 obs.) 6.0MsZ (47 obs.)
SOLOMON ISLANDS (193)

Mw 6.1 (GS), 6.1 (HRV). Ms 6.0
(BRK). Mo=1.6*10**18 Nm (PPT).
Depth from broadband
displacement seismograms.

FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=49 Slip= 90

NP2: 345 41 90
Principal Axes:

T Plg=86 Azm= 75
P 4 255

Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is not determined.

RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 2.3±0.3*10**12 Nm

MOMENT TENSOR SOLUTION
Dep 40 No. of sta: 31

Moment Tensor; Scale 10**18 Nm
Mrr=-1.60 Mtt=-0.44

Mff=-1.16 Mrt=-0.43
Mrf= 0.33 Mtf= 0.47

Principal axes:
T Val= 1.71 Plg=79 Azm=205

N -0.24 7 331
P -1.47 9 62

Best Double Couple:Mo=1.6*10**18
NP1:Strike=160 Dip=36 Slip= 101

NP2: 326 54 82
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 51S, **C M.W.: 25S, 39C

Centroid Location:
Origin Time 12:37:11.6 0.1

Lat 6.55S 0.01 Lon 154.97E 0.01
Dep 62.8 0.6 Half-duration 2.7

Moment Tensor; Scale 10**18 Nm
Mrr= 1.63 0.01 Mtt=-0.77 0.02

Mff=-0.86 0.02 Mrt= 0.11 0.02
Mrf=-0.15 0.02 Mtf= 0.84 0.01

Principal Axes:
T Val= 1.64 Plg=87 Azm= 61

N 0.03 1 317
P -1.66 3 227

Best Double Couple:Mo=1.6*10**18
NP1:Strike=316 Dip=42 Slip= 89

NP2: 137 48 91

RAB 3.54 310 eP 38 04.00 5.9X
0.8s 716.42nm

iS 38 20.00
KVG 5.61 313 eP 38 33.70 6.4X

HNR 5.80 121 eP 38 34.00 4.0X
eS 39 36.00

PMG 8.20 249 iPd 39 08.00 4.3X
eS 40 41.00

YYYY 8.88 271 ePd 39 19.20 5.9X
MNDI 11.18 271 eP 39 51.00 6.1X

CTA 15.93 211 iPd 40 51.50 4.0X
1.4s 2900.00nm 6.2mb

iS 44 02.60
iScP 49 16.10

eScS 52 55.60
BKM 17.13 132 iPc 41 06.00 3.2X

iS 44 40.00
PVC 17.23 132 iPd 41 08.00 4.1X

DZM 19.10 145 iPc 41 27.10 0.0
iS 45 01.20

ScP 49 22.90
QIS 20.40 225 iPd 41 43.00 1.8

GUA 22.21 333 eP 42 01.00 1.4
0.8s 716.42nm 6.2mb

GUMO 22.28 333 ePc 42 01.25 1.0
0.9s 575.31nm 6.0mb

PJG 22.28 333 eP 42 00.80 0.6
WB5 23.99 234 iPd 42 19.90 3.0X

eS 46 39.00
eScP 49 33.30

ARMA 24.02 187 iPc 42 19.30 2.0
0.6s 126.00nm 5.6mb

iPcP 44 08.40

WR2 24.02 234 iPd 42 20.40 3.1X
0.8s 134.70nm 5.5mb

iPcP 46 00.50
eS 46 37.50

eScP 49 31.20
MTN 24.26 253 iPd 42 22.90 3.3X

1.0s 975.00nm 6.3mb
SVA 25.72 119 eP 42 33.80 0.3

ASPA 26.45 228 iPc 42 41.50 1.2
0.5s 71.70nm 5.6mb

Z 22s 23.20um 5.7MsZ
iPp 42 52.50 42kmX

iPcP 46 05.40
eS 47 09.50

iPcS 49 45.30
iScS 53 31.70

KNA 27.22 248 iPc 42 50.00 2.7X
0.5s 76.00nm 5.6mb

RIV 27.44 187 iPc 42 50.70 1.6
1.0s *****nm 7.4mb X

STK 28.18 205 P 42 55.40 -0.4
BWA 28.46 191 iPc 42 58.50 0.1

iPp 43 07.80 33kmX
iPcP 46 09.70

CNB 29.16 189 iPc 43 05.80 1.1
1.1s 107.00nm 5.5mb

iPcP 46 12.30
eScP 49 56.00

CAN 29.22 190 iPc 43 05.80 0.5
epP 43 17.30 43kmX

iPcP 46 11.50
MNI 31.02 284 ePc 43 21.50 0.1

1.0s 10.00nm 4.6mb X
ADE 32.05 206 iPc 43 31.10 0.9

TOO 32.12 194 iPc 43 31.90 1.0
0.8s 59.00nm 5.6mb

epP 44 02.50 143kmX
iPcP 46 19.20

eScP 50 01.20
DAV 32.21 294 eP 43 32.00 0.2

eS 48 42.00
CTB 33.50 293 ePc 43 50.00 6.9X

CGP 33.57 296 eP 43 47.00 3.4X
PLP 34.55 300 ePd 43 53.00 0.9

FOR 34.91 223 iPc 43 55.80 0.8
0.6s 51.00nm 5.6mb

MAP 35.02 298 ePd 43 57.00 0.8
KUZ 35.64 151 P 44 02.10 1.0

WLZ 36.48 152 P 44 09.10 0.9
MOZ 36.63 153 P 44 11.20 1.7

MBL 36.93 243 iPc 44 13.50 1.2
0.8s 323.00nm 6.2mb

WIZ 36.97 150 P 44 14.70 2.3
PATZ 37.20 152 P 44 15.90 1.5

TAZ 37.20 151 P 44 15.60 1.4
URZ 37.51 151 P 44 17.40 0.6

0.5s 148.00nm 6.1mb
e 46 31.80

CNZ 37.53 153 P 44 18.50 1.3
QRZ 37.67 158 P 44 19.60 1.4

0.6s 77.00nm 5.7mb
PUZ 37.93 149 P 44 20.80 0.3

PAHZ 37.95 151 P 44 21.40 0.7
DIW 38.18 156 P 44 23.50 1.0

MOH 38.21 152 P 44 22.60 -0.2
NOZ 38.24 150 P 44 23.80 0.8

WAHZ 38.30 153 P 44 23.20 -0.4
MAHZ 38.61 151 P 44 26.80 0.7

THZ 38.62 158 P 44 26.60 0.3
0.7s 103.00nm 5.7mb

KIW 38.64 155 P 44 26.60 0.3
MNG 38.67 155 Pc 44 26.80 0.2

TCW 38.67 156 Pc 44 27.30 0.7
TEHZ 38.74 153 P 44 26.80 -0.4

CAW 38.91 155 P 44 27.00 -1.6
SNZO 38.93 156 eP 44 28.65 -0.1

0.5s 159.44nm 6.0mb
KHKI 39.00 265 eP 44 29.00 -0.7

PGZ 39.01 154 P 44 28.30 -1.1
WVZ 39.04 161 P 44 29.40 -0.3

PGP 39.12 301 eP 44 32.00 1.3
MTW 39.13 155 Pc 44 30.30 -0.1

MOW 39.24 156 P 44 31.00 -0.4
LTZ 39.29 160 P 44 32.10 0.3

BLW 39.29 155 P 44 31.60 -0.2
TGY 39.42 301 ePc 44 34.00 0.8

			S	54	38.00	
			SS	55	06.00	
RUV	57.21	104	iPc	46	50.00	-1.1
	1.0s	584.00nm				6.6mb
LOE	57.63	295	iPc	46	54.80	0.8
NNT	58.00	289	iPc	46	57.60	1.0
BJI	58.44	326	eP	46	58.50	-0.8
	1.4s	100.00nm				5.7mb
Z	24s	4.14um				5.5MsZx
N	20s	3.32um				
			eS	54	52.00	
NST	58.52	293	iPc	47	01.50	1.3
KBR	58.59	291	eP	47	00.70	0.0
TIY	59.12	321	iPc	47	04.50	0.3
	1.0s	100.00nm				5.9mb
Z	24s	6.75um				5.7MsZx
E	18s	2.48um				
			pP	47	17.50	46kmX
			S	55	03.50	
XAN	59.27	316	iPc	47	04.80	-0.4
	0.6s	210.00nm				6.4mb
Z	25s	5.61um				5.6MsZx
E	18s	2.69um				
			pP	47	22.50	68kmX
			S	55	05.00	
			ScS	56	42.00	
			SS	59	08.00	
PET	59.34	3	iPc+	47	06.00	0.7
	0.8s	434.00nm				6.6mb
Z	20s	3.20um				5.4MsZ
			eS	55	12.00	
			eSS	59	08.00	
KMI	59.65	304	iPc	47	09.50	1.2
	1.5s	1200.00nm				6.8mb
Z	26s	10.20um				5.8MsZx
N	25s	4.60um				
E	25s	7.60um				
			pP	47	21.00	39kmX
			S	55	18.00	
			SS	55	40.00	
KHT	59.68	291	iPc	47	09.80	1.5
BDT	60.04	294	eP	47	10.00	-0.7
	0.7s	197.70nm				6.4mb
CHTO	60.59	296	iPc	47	15.80	1.3
			eS	55	28.80	
DRV	60.97	187	iP	47	17.00	0.7
			PP	49	40.00	
			S	55	36.00	
			SS	00	00.00	
SMY	61.19	13	ePc	47	18.20	0.2
	0.6s	393.77nm				6.7mb
Z	21s	14.00um				6.1MsZ
CD2	61.40	310	iPc	47	19.90	0.0
	0.6s	500.00nm				6.8mb
Z	25s	7.28um				5.7MsZx
E	24s	5.10um				
			S	55	37.00	
HHC	61.62	324	Pc	47	21.00	-0.3
	1.0s	150.00nm				6.1mb
Z	36s	6.18um				5.5MsZx
N	17s	1.88um				
E	19s	1.51um				
			S	55	41.00	
BTO	62.38	323	iPd	47	26.50	0.1
	0.9s	150.00nm				6.1mb
N	18s	0.63um				
E	18s	1.34um				
			S	55	46.00	
ADK	63.01	19	ePc	47	30.54	0.4
	0.7s	290.70nm				6.5mb
			e	47	45.27	53kmX
LZH	63.88	315	iPc	47	37.00	0.6
	1.4s	520.00nm				6.5mb
Z	29s	6.12um				5.6MsZx
N	15s	1.21um				
			pP	47	50.00	45kmX
			sP	48	00.00	
			PP	50	00.00	
			S	56	06.00	
			sS	56	35.00	
			i	03	08.00	
CSY	67.07	198	P	47	56.90	0.7
CIT	68.06	334	eP	48	03.	

			sP	48	33.00				ScS	59	17.50		COL	82.66	21 ePc	49	25.14	-0.4	
			S	57	02.00				SS	03	54.40			0.6s	272.33nm			6.5mb	
			SKS	57	56.00			RDT	78.46	24 ePc	49	02.65	-0.8	FBA	82.66	21 ePc	49	24.94	-0.6
			SS	01	30.00			TTA	78.57	21 ePc	49	04.81	0.8		0.7s	93.32nm		6.0mb	
LSA	70.90	304 Pd	48	22.20	1.1				0.8s	103.66nm		5.9mb	HDA	82.70	22 ePc	49	25.56	-0.3	
	1.4s	190.00nm			6.0mb				e	49	25.27	76kxM	GLM	82.85	21 iPc	49	26.05	-0.6	
Z	24s	4.84um			5.7MsZ	BKG	78.81	23 ePc	49	04.73	-0.6	YAH	82.86	27 iPc	49	28.54	1.6		
N	11s	0.28um				KOD	78.87	282 iP	49	08.20	1.3	BALM	82.90	26 iPc	49	28.04	1.0		
		pP	48	37.00	53kxM		1.0s	700.00nm			6.6mb	DJE	82.99	22 ePc	49	27.51	0.2		
		ePP	51	05.00				eS	59	02.30		CTGM	83.30	26 iPc	49	30.50	1.4		
		iS	57	35.50		BGL	78.87	23 ePc	49	05.57	-0.2	DOT	83.42	23 ePc	49	30.37	0.8		
		ScS	58	17.00		CKT	78.91	23 eP	49	05.27	-0.6	YKU	83.42	28 eP	49	31.82	2.3X		
YAK	71.01	348 iPc+	48	20.40	-0.1	CKN	78.93	23 eP	49	06.23	0.2	SPA	83.57	180 iPc	49	31.30	0.8		
	1.8s	70.00nm			5.5mb	CP2	78.93	23 ePc	49	05.63	-0.6		1.0s	545.00nm			6.7mb		
		i	48	43.00	87kxM	SPU	78.96	23 ePc	49	05.41	-0.7		i	59	54.10				
		e	50	56.00		CRP	78.97	23 eP	49	05.06	-1.3	POO	83.61	289 iPc	49	33.00	1.6		
		ePPP	52	34.00		HYB	79.01	289 iPc	49	07.60	0.4		1.5s	361.11nm			6.3mb		
		e	58	04.00			1.2s	636.40nm			6.5mb		iS	59	48.00				
		eSS	02	12.00				eS	59	01.00		TMW	83.69	24 ePc	49	32.11	1.2		
		eSSS	05	10.00		NKA	79.02	24 eP	49	07.93	1.5	SIT	84.61	31 ePc	49	36.52	1.0		
SBA	71.62	177 iPc	48	26.10	2.1	NCG	79.05	23 ePc	49	06.38	-0.3		0.7s	75.22nm			6.0mb		
SDN	71.80	25 ePc	48	24.60	-0.8	CGLM	79.05	23 ePc	49	05.99	-0.7	Z	19s	3.07um			5.7MsZ		
	0.8s	270.94nm			6.3mb	SLKM	79.30	24 iPc	49	08.45	0.4	MAW	84.84	203 IPd	49	37.70	1.1		
ZAK	72.00	328 iPc	48	27.60	0.9	SEW	79.40	25 ePc	49	09.07	0.7		1.0s	173.40nm			6.2mb		
	1.0s	453.00nm			6.4mb	GBA	79.42	285 Pc	49	10.70	1.3		ePp	49	56.30		67kxM		
		e	51	04.00			1.0s	999.90nm			6.8mb		eSKP	58	48.30				
		e	52	52.00		SKT	79.63	23 ePc	49	08.77	-1.0		iS	59	54.60				
		eS	57	41.00		SUA	79.64	23 ePc	49	09.59	-0.3	KSH	85.58	310 IPd	49	43.00	2.0		
IRK	72.58	330 iPc	48	29.50	-0.6	MPA	79.65	25 iPc	49	10.51	0.7		1.0s	520.00nm			6.7mb		
	1.5s	197.00nm			5.9mb	TIK	79.81	352 iPc+	49	11.00	0.6	N	16s	2.72um					
Z	21s	2.47um			5.5MsZ		2.0s	266.00nm			5.9mb	E	20s	3.11um					
	1.30um							i	49	20.00	29kxM		pP	49	54.00		35kxM		
	1.48um							e	52	12.00			ePP	53	04.00				
		e	48	39.00	31kxM			ePPP	54	02.00			eSKS	00	03.00				
		e	48	47.00				iS	59	09.00			S	00	12.00				
		eS	57	46.00				e	59	19.00			eSS	05	53.00				
		eSS	02	30.00		PMS	79.98	24 iPc	49	12.20	0.5	FRU	87.27	313 eP	49	47.00	-2.1		
		e	05	37.00		PWA	80.08	23 ePc	49	12.21	0.1		2.0s	140.00nm			5.9mb		
GUN	74.77	301 P	48	44.60	0.8	PWL	80.27	25 iPc	49	13.97	0.8	Z	22s	2.30um			5.5MsZ		
KKN	75.25	301 P	48	47.00	0.6	PLRM	80.35	24 ePc	49	13.87	0.4	E	22s	2.00um					
DMN	75.35	301 P	48	47.80	0.8	PMR	80.35	24 ePc	49	13.50	0.0		e	50	01.00		47kxM		
ILT	76.51	10 iPc	48	52.80	0.4		0.8s	342.56nm			6.4mb		eS	00	08.00				
	1.4s	518.00nm			6.4mb	Z	20s	4.96um			5.9MsZ	KMPM	87.32	49 eP	49	50.73	1.3		
		i	49	02.50	31kxM	CUT	80.36	23 ePc	49	13.07	-0.5	NRI	88.06	341 iPc	49	49.90	-2.4		
		i	49	07.70		MID	80.37	26 eP	49	15.28	1.6		1.0s	56.00nm			5.8mb		
		i	51	48.00		GHO	80.53	24 ePc	49	15.05	0.4	Z	20s	12.00um			6.3MsZ		
		iS	58	36.00		CFI	80.68	24 iPc	49	16.19	1.0	E	21s	8.50um					
		i	58	56.00		KTH	80.77	22 iPc	49	15.50	-0.4		e	49	58.00		25kxM		
		iPS	59	28.00		SML	80.78	24 iPc	49	16.61	0.7		eS	00	12.00				
		eSS	03	36.00		HIN	80.80	25 iPc	49	16.81	0.8		ePS	00	30.00				
		eSSS	06	40.00		HUR	80.92	22 eP	49	16.29	-0.3	NTYM	88.08	51 eP	49	53.34	0.4		
KDC	76.76	26 ePc	48	54.20	0.3	TRF	80.95	22 ePc	49	16.43	-0.5	RNO	88.25	46 P	49	55.06	1.3		
	0.7s	206.82nm			6.3mb	CVA	81.19	25 iPc	49	18.81	0.8	BKS	88.32	52 eP	49	55.14	0.9		
ANM	76.76	16 ePd	48	54.79	0.9	SCM	81.20	24 iPc	49	19.03	0.9		1.2s	270.00nm			6.5mb		
		e	49	09.53	52kxM	VLZ	81.25	25 iPc	49	19.25	1.0	Z	20s	7.00um			6.1MsZ		
CDD	76.97	25 iPc	48	55.33	0.1	IMA	81.34	19 ePc	49	19.45	0.6		eSKS	00	31.09				
PDB	77.27	24 ePc	48	57.02	0.2		1.1s	151.48nm			5.9mb		eS	00	41.09				
SYI	77.30	25 eP	48	57.63	0.6	SGAM	81.40	26 eP	49	20.74	1.6		eSS	06	34.09				
AUW	77.31	24 eP	48	57.49	0.5	RND	81.46	22 ePc	49	19.35	-0.1		eLQ	13	08.09				
AUH	77.32	24 eP	48	57.51	0.3	KAIM	81.47	26 ePc	49	20.93	1.5		eLR	16	57.09				
AGU	77.32	24 eP	48	57.18	-0.1	RAGM	81.58	26 eP	49	20.08	0.0	LGPM	88.38	49 ePc	49	55.55	1.0		
AUP	77.32	24 eP	48	56.41	-0.8	KLU	81.60	25 iPc	49	21.38	1.2	WDC	88.54	49 ePc	49	56.05	0.9		
AUL	77.33	24 eP	48	57.28	0.1	MCK	81.61	22 iPc	49	20.05	-0.1		0.7s	26.04nm			5.7mb		
AUE	77.34	24 eP	48	57.37	0.2	PAF	81.67	221 iPc	49	27.00	6.3X	Z	20s	4.70um			5.9MsZ		
SVW	77.54	22 ePc	48	59.64	1.3			ePP	52	43.00		YBH	88.61	48 eP	49	56.71	1.1		
	0.7s	429.02nm			6.6mb			eS	59	35.00			0.8s	30.00nm			5.7mb		
		e	49	17.72	66kxM			eSS	04	56.00		Z	21s	13.00um			6.3MsZ		
OPT	77.58	24 iPc	48	58.89	0.3	MLY	81.70	20 iPc	49	21.11	0.5		eS	00	33.52				
INW	77.87	24 ePc	49	00.00	-0.2	HMT	81.73	26 ePc	49	21.91	1.1		eSS	06	37.52				
INE	77.89	24 ePc	49	00.24	-0.2	TOA	81.81	24 iPc	49	22.77	1.5		eLQ	13	07.52				
ILIM	77.94	24 ePc	49	00.42	-0.2	DHY	81.84	23 iPc	49	22.11	0.6		eLR	17	05.52				
XLV	78.08	25 eP	49	01.89	0.6	NEA	82.02	21 ePc	49	21.99	-0.3	COE	88.67	52 ePc	49	57.34	1.5		
RED	78.22	24 ePc	49	01.64	-0.5	TZL	82.08	24 ePc	49	24.11	1.5	MHC	88.70	52 eP	49	57.04	0.8		
HOM	78.23	25 eP	49	03.02	0.9	SDG	82.28	24 ePc	49	24.27	0.6		1.5s	300.00nm			6.4mb		
NCT	78.24	23 iPc	49	01.85	-0.4	SNH	82.29	27 iPc	49	25.41	1.7	HMR	88.71	52 (P)	49	58.02	2.0		
RDW	78.24	24 ePc	49	01.95	-0.5	NDI	82.37	300 ePc	49	24.00	-0.8	SAO	88.77	53 eP	49	57.40	1.0		
REF	78.29	24 ePc	49	02.04	-0.6		0.8s	111.94nm			6.0mb		0.8s	35.81nm			5.7mb		
CNFM	78.32	25 iPc	49	03.51	0.9			iS	59	30.00		ONR	88.78	43 P	49	57.28	1.1		
DFR	78.36	24 ePc	49	02.32	-0.6	CYK	82.40	27 eP	49	25.66	1.4	ARN	88.79	52 ePc	49	57.49	1.0		
WMQ	78.38	317 IPd	49	03.80	0.4	WAX	82.41	26 iPc	49	25.76	1.4	BMW	89.07	43 ePc	49	57.65	0.0		
	1.2s	200.00nm			6.0mb	CRQM	82.42	26 iPc	49	25.69	1.0	STW	89.08	41 P	49	58.56	1.0		
Z	24s	3.99um			5.7MsZ	GLB	82.46	25 iPc	49	25.59	0.9	LBFM	89.15	48 ePc	49	58.74	0.4		
N	20s	2.36um				CCB	82.52	21 ePc	49	24.34	-0.5	ORV	89.16	50 eP	49	58.66	0.5		
E	16s	1.50um				PAX	82.53	23 ePc	49	25.34	0.3		1.1s	110.00nm			6.1mb		
		PP	51	58.20		MDM	82.54	21 ePc	49	24.37	-0.6	Z	19s	3.10um			5.7MsZ		
		S	58	51.30		TGL	82.56	26 ePc	49	26.25	1.0		eSKS	00	21.67				
		SKS	59	11.70		THY	82.65	23 eP	49	26.58	1.0		eS	00	53.67				

			i	55	50.30	
SEK	118.54	233	iPKPd	56	08.30	16.9X
	0.7s		333.00nm			
ANTO	118.55	312	ePKP	56	01.39	10.5X
DLA	118.65	44	PKP	55	50.00	-0.9
ELF	118.72	44	PKP	55	50.05	-1.0
LDN	118.86	44	PKP	55	50.20	-1.1
MYNC	118.91	53	iPKPc	55	51.00	-0.7
	Z 20s		5.03um			6.1Msz
HFS	118.98	339	ePKP	55	48.20	-2.8X
SLR	119.10	236	iPKPc	56	10.00	17.5X
	0.7s		72.00nm			
	Z 20s		12.00um			6.5Msz
NB2	119.18	341	PKP	55	50.30	-1.1
	0.9s		14.70nm			
NRA0	119.29	340	iPKPd	55	50.90	-0.6
			PKKP	06	03.40	
NRE0	119.29	340	ipdiff52	20.30		7.1X
NRE0	119.29	340	iPKPd	55	57.50	6.0X
			PKKP	05	40.10	
			SKKS	13	40.70	
			SSS	17	51.90	
BLF	119.32	232	iPKPc	55	52.20	-0.6
	0.7s		55.00nm			
MTD	119.39	247	iPKPd	55	37.10	-16.0X
ACTO	119.43	43	PKP	55	51.35	-1.0
TYNO	119.74	44	PKP	55	51.80	-1.1
CLI	119.97	321	ePKPd	55	53.50	0.2
			ed	06	02.50	
STCO	120.18	43	PKP	55	52.70	-1.1
LVV	120.43	325	ePKP	55	54.00	0.0
			e	57	20.00	
WLVO	120.43	42	PKP	55	53.27	-0.9
PRM	120.56	54	ePKP	55	54.13	-0.7
VRI	120.61	320	ePKPc	56	04.00	9.5X
			e	05	55.50	
AKU	120.68	357	iPKPd	55	54.80	0.8
	0.9s		26.89nm			
KONO	120.75	340	ePKP	55	48.56	-5.8X
SWZ	120.87	233	ePKP	56	12.70	16.9X
	0.7s		33.00nm			
YSNY	120.88	44	ePKP	55	54.27	-0.9
	Z 19s		5.12um			6.2Msz
NAV	120.94	50	ePKP	55	54.22	-1.3
BUL	120.95	242	iPKPd	55	55.40	-0.7
BLA	121.25	50	ePKP	55	55.12	-1.0
MLR	121.27	320	iPKPc	55	55.00	-1.0
JSC	121.40	54	ePKPc	55	56.17	-0.2
PEL	121.50	135	iPKP	55	55.50	-1.2
	1.0s		180.00nm			
GAC	121.60	39	ePKP	55	55.00	-1.4
SUR	121.69	226	iPKPd	55	57.50	0.2
	1.0s		180.00nm			
LHS	121.71	53	ePKP	55	56.66	-0.3
BSD	121.93	334	iPKPc	55	56.00	-0.7
	0.7s		18.00nm			
UZH	122.00	325	iPKPc	55	56.00	-1.0
	1.0s		45.00nm			
	Z 22s		3.20um			5.9Msz
	E 22s		3.70um			
			e	56	12.00	
			e	57	30.00	
			eSP	07	18.00	
RFA	122.08	138	ePKPc	55	56.60	-1.2
CER	122.21	224	iPKPc	55	55.50	-2.5X
	0.9s		283.00nm			
SGS	122.28	55	ePKP	55	58.02	0.0
HBF	122.45	55	ePKP	55	57.97	-0.4
KMY	122.49	342	ePKP	55	57.04	-0.6
CVL	122.49	49	iPKPc	55	57.63	-0.7
OJC	122.55	327	ePKP	55	57.90	-0.2
	1.0s		59.00nm			
PVL	122.62	318	iPKP	55	59.00	0.6
CEH	122.66	51	ePKP	55	58.13	-0.6
	Z					

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PGB	123.68	318	iPKPc	56	00.00	-0.6	WIT	127.00	336	ePKP	56	07.50	0.9	LLS	130.24	330	ePKPc	56	12.80	-0.5
PSZ	123.75	325	iPKPc	56	00.20	-0.4	LACI	127.05	319	ePKP	56	05.70	-1.4	ARV	130.26	324	PKP	56	13.22	0.0
BZS	123.91	322	ePKP	55	51.00	-9.9X	TIR	127.09	318	iPKPd	56	07.00	-0.2	VDL	130.26	329	ePKPc	56	12.90	-0.4
POF	123.93	228	iPKPc	56	02.50	1.1	EDU	127.10	345	ePKPc	56	05.90	-0.8	DUI	130.41	321	PKP	56	12.81	-0.8
	1.1s	230.00nm					PTJ	127.11	325	ePKP	56	06.90	-0.3	MOF	130.46	332	PKP	56	12.55	-1.0
KSP	124.00	330	iPKPc	56	00.60	-0.3	LSK	127.15	317	iPKPd	56	07.50	0.1	SGO	130.47	320	PKP	56	12.67	-0.9
	0.9s	40.00nm					BRV	127.18	320	iPKPd	56	06.38	-1.1	BBS	130.56	331	PKP	56	13.05	-0.6
DPC	124.24	329	ePKP	56	00.72	-0.7	ULC	127.20	319	iPKPd	56	05.40	-2.0	GRI	130.63	317	PKP	56	14.05	0.0
VTs	124.30	318	iPKPc	56	01.00	-1.0	GRF	127.23	331	ePKPc	56	07.10	-0.1	SFI	130.63	325	PKP	56	14.21	0.4
TBR	124.37	44	ePKP	56	00.99	-0.9		Z	20s	2.00um		5.8msz		AQU	130.66	323	PKP	56	13.71	-0.3
MMB	124.39	317	iPKPc	56	01.00	-1.0	BDV	127.31	320	iPKPd	56	06.26	-1.3	ASS	130.68	324	PKP	56	13.43	-0.6
LBH	124.51	40	ePKP	56	01.61	-0.5	ELO	127.34	345	ePKPc	56	06.60	-0.6	VITF	130.72	333	PKP	56	13.23	-0.7
	Z	21s	7.76um			6.3msz	HCY	127.44	320	iPKPd	56	06.47	-1.3	PGD	130.74	325	PKP	56	08.43	-5.8X
PAL	124.64	44	ePKP	56	01.58	-0.8	TPE	127.48	317	ePKP	56	06.50	-1.5	CRE	130.76	325	PKP	56	13.59	-0.6
SRS	124.68	316	ePKP	56	00.98	-1.5	EBH	127.49	345	ePKPc	56	06.80	-0.7	SDI	130.78	322	PKP	56	13.31	-0.9
SRO	124.70	326	iPKP	56	10.20	7.9X	ESY	127.55	344	ePKPc	56	06.90	-0.7	TMA	130.83	329	iPKP	56	13.50	-0.9
KKB	124.70	317	iPKPc	56	02.00	-0.5	WTS	127.56	336	ePKP	56	07.50	-0.2	YRH	130.83	344	ePKP	56	12.50	-1.4
OUR	124.73	315	ePKP	55	58.42	-4.2X		0.9s	56.60nm					LOMF	130.96	332	PKP	56	13.85	-0.6
BNH	124.76	39	ePKP	56	02.34	-0.2	IGT	127.61	316	ePKP	56	07.30	-0.9	HCG	131.00	343	ePKPc	56	13.80	-0.5
CRNY	124.76	43	ePKP	56	01.62	-1.0	PSO	127.65	93	ePKP	56	09.50	-0.1	FIR	131.06	325	ePKP	56	14.00	-0.6
VRAC	124.77	328	iPKPc	56	02.40	0.1	SRN	127.68	316	ePKP	56	06.50	-1.8	MNS	131.08	323	PKP	56	13.77	-1.0
	2.0s	145.60nm					BHG	127.69	328	ePKP	56	07.60	-0.5	HTR	131.10	342	ePKP	56	13.90	-0.5
LSCT	124.82	43	ePKP	56	01.73	-1.0		1.2s	100.00nm					SOI	131.24	316	PKP	56	15.39	0.3
	Z	21s	6.90um			6.3msz	VBY	127.74	325	ePKP	56	05.20	-3.1X	MMK	131.32	330	ePKPc	56	15.50	0.1
SOH	124.96	316	ePKP	56	01.62	-1.5	VBY	127.74	325	iPKP	56	07.80	-0.5	GMB	131.33	317	PKP	56	14.47	-1.1
PAIG	125.11	315	ePKP	56	02.14	-1.2	EAB	127.75	345	ePKPc	56	07.50	-0.4	HGH	131.34	342	ePKPc	56	14.30	-0.6
KNT	125.13	317	ePKP	56	01.66	-1.7	EBL	127.79	344	ePKPc	56	07.40	-0.6	ETA	131.38	345	ePKP	56	18.00	3.1X
BRG	125.14	331	iPKPc	56	03.20	0.1	EAU	127.83	345	ePKPc	56	07.60	-0.5	BOB	131.42	327	PKP	56	09.31	-6.1X
	1.2s	95.00nm					LJU	127.83	326	iPKPc	56	08.00	-0.5	RDV	131.42	322	PKP	56	15.43	-0.1
		e	56	20.20				ep'df	56	21.60				DIX	131.58	330	ePKPc	56	16.00	0.1
ZST	125.15	327	iPKP	56	03.30	0.1		ePP	58	10.00				ATN	131.60	317	PKP	56	15.13	-0.7
CLL	125.31	332	iPKP	56	03.20	-0.2		e	58	40.00				ORX	131.60	329	PKP	56	14.57	-1.2
	0.9s	83.00nm						i	09	40.00				ORO	131.61	329	PKP	56	15.22	-0.6
		e	56	45.00			KBA	127.85	327	iPKPc	56	06.70	-2.0	MOCB	131.62	126	PKP	56	06.20	-10.8X
NNA	125.38	110	iPKPc	56	03.50	-1.2		i	56	14.30				LPB	131.72	119	ePKP	56	01.00	-16.2X
	1.2s	39.06nm					LMN	127.91	34	ePKPc	56	07.70	-0.9		i	56	17.70			
CBM	125.41	35	ePKPc	56	02.62	-1.1	DBN	128.13	337	ePKP	56	09.00	0.3		LR	39	20.00			
	Z	19s	2.75um			5.9msz		e	58	14.00				LPB	131.79	118	PKP	56	01.60	-16.0X
PRU	125.41	330	PKPc	56	03.30	-0.3	TNS	128.15	333	ePKPc	56	09.00	0.0		i	56	09.90			
	1.4s	70.40nm					BNS	128.17	335	ePKPc	56	08.70	-0.2		i	56	17.40			
	Z	21s	1.90um			5.7msz		1.1s	51.00nm					PP	58	36.50				
	N	19s	1.30um				VOY	128.20	326	ePKP	56	07.50	-1.8		SKP	59	17.90			
	E	21s	1.50um					e	56	46.10				SS	15	17.90				
		i	56	06.50			EKA	128.21	344	PKPc	56	04.80	-4.0X		e	18	09.00			
		PP	57	52.10				1.5s	9.40nm					ECP	131.89	345	ePKP	56	15.50	-0.4
		eSKKP	09	29.00			FUR	128.23	330	ePKP	56	08.90	-0.3	PCP	132.05	328	PKP	56	14.80	-1.8
HRV	125.56	41	ePKP	56	03.59	-0.6		1.4s	159.00nm					LSD	132.14	330	PKP	56	14.61	-2.4X
	Z	21s	11.20um			6.5msz		Z	19s	2.00um		5.8msz		RSP	132.31	329	PKP	56	15.16	-2.0X
GRG	125.56	317	ePKP	56	02.98	-1.3	RIY	128.33	325	e(PKP)	56	07.40	-2.0	LPL	132.31	330	iPKPd	56	05.30	-12.0X
SOP	125.75	326	ePKP	56	04.00	-0.4	TRI	128.46	326	ePKP	56	08.70	-0.9		0.6s	3.70nm				
SKO	125.75	318	iPKPc	56	03.50	-1.1			e	58	16.00			LPG	132.32	330	iPKPd	56	05.20	-12.2X
	1.1s	200.00nm						e	09	52.00				LOR	132.38	333	iPKPd	56	03.00	-14.1X
	Z	23s	1.94um			5.7mszX	WATA	128.62	329	iPKPc	56	09.00	-1.1		0.8s	3.65nm				
		e	57	50.00			WTTA	128.63	329	iPKPc	56	09.60	-0.6		Z	22s	3.00um			6.0msz
		LR	54	08.00				i	56	15.70				FIN	132.46	328	PKP	56	15.58	-1.8
MIM	125.78	37	ePKP	56	03.59	-0.9		i	57	12.20				BHB	132.52	329	PKP	56	15.16	-2.3X
LIT	125.87	316	ePKP	56	03.46	-1.5		i	57	24.00				LBF	132.55	333	iPKPd	56	04.40	-13.0X
IYA	126.33	320	iPKPd	56	05.37	-0.5	ARE	128.76	117	ePKP	56	12.00	0.6		0.7s	3.30nm				
FNA	126.33	317	ePKP	56	04.70	-1.2	ENN	128.85	335	ePKP	56	10.50	0.3	ROB	132.58	328	PKP	56	15.76	-1.8
MOX	126.40	332	iPKPc	56	05.30	-0.3		1.0s	65.00nm				BNI	132.67	329	PKP	56	09.25	-8.6X	
	1.5s	75.00nm					MOTA	128.86	329	iPKPc	56	09.80	-0.8	SSF	132.70	334	iPKPd	56	05.20	-12.5X
PVY	126.42	319	ePKP	56	05.24	-0.8	SQTA	128.88	329	iPKPc	56	10.00	-0.6		0.8s	6.30nm				
PLE	126.43	321	iPKPd	56	05.88	-0.1	MEM	128.93	335	iPKPc	56	10.17	-0.1	RRL	132.71	329	PKP	56	15.67	-2.4X
AGG	126.43	315	ePKP	56	04.98	-1.1	OGA	129.21	329	iPKPc	56	11.10	-0.2	IMI	132.83	328	PKP	56	15.94	-2.2
KHC	126.44	329	PKP	56	05.50	-0.3		1.2s	65.00nm				PZZ	132.83	329	PKP	56	16.99	-1.2	
	1.1s	70.00nm					LANF	129.34	332	PKP	56	11.18	0.0	USI	132.85	319	PKP	56	17.19	-1.0
	Z	22s	3.60um			6.0msz	CTI	129.41	327	PKP	56	10.64	-0.9	ENR	132.86	328	PKP	56	15.71	-2.5X
	N	22s	1.70um				UCC	129.46	336	PKP	56	11.00	-0.3	SMF	132.86	333	iPKPd	56	05.80	-12.2X
	E	22s	1.10um				WLF	129.58	334	iPKPd	56	12.54	1.0		0.7s	8.25nm				
		e	56	27.70				id	59	31.51				STV	132.90	328	PKP	56	15.71	-2.5X
		e	56	50.00			WIN	129.63	234	iPKPc	56	13.00	0.2	AVF	132.97	333	iPKPd	56	06.40	-11.8X
		e	58	04.00				1.5s	120.00nm						0.9s	7.20nm				
BCI	126.47	319	iPKP	56	05.00	-1.0		i	59	32.50				CCH	133.04	121	PKP	56	17.20	-2.4X
HOF	126.50	331	ePKP	56	05.60	-0.2	WIM	129.67	345	ePKP	56	11.20	-0.5	SBF	133.10	328	iPKPd	56	05.70	-12.9X
PHP	126.55	318	iPKPc	56	05.00	-1.2	SNF	129.72	336	iPKPc	56	11.91	0.1		1.1s	33.95nm				
GEC2	126.56	329	PKP	56	06.00	-0.1	OSS	129.78												

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ELIZ	137.96	334	ePKP	56	27.09	-0.7	MAMG	166.47	287	PKP	57	10.53	2.2	GEC2	123.70	329	PKP	11	41.70	-0.1	
SIV	137.97	122	PKP	56	16.30	-12.3X	LABG	166.53	291	PKP	57	10.77	2.3		0.7s	2.63nm					
EGRA	138.19	332	iPKPd	56	21.57	-6.6X	KING	167.41	287	PKP	57	11.68	2.7X	BSF	127.81	332	ePKP	11	49.90	0.1	
SJG	138.36	70	ePKP	56	28.45	-0.8	S.D. = 1.0 on 587 of 698 obs.							HAU	127.89	332	ePKP	11	50.10	0.3	
CAR	138.46	82	ePKP	56	28.00	-1.7	-----								0.7s	7.05nm					
ECRI	138.84	334	iPKPd	56	21.34	-8.1X	? SEP 22, 1993	12h	50m	25.24±	2.00s			LPL	129.46	330	ePKP	11	53.70	0.5	
EBR	138.86	330	ePKP	56	28.00	-1.4	28.534 S ±24.5km	176.864 W	±25.6km						0.8s	3.65nm					
ETOR	140.07	332	iPKPc	56	25.64	-6.2X	DEPTH = 33.0km	(normal)						LPG	129.47	329	ePKP	11	53.90	0.6	
ECHE	140.52	330	ePKP	56	26.14	-6.4X	4.4mb (3 obs.)								0.6s	2.80nm					
GUD	141.15	334	ePKP	56	27.96	-5.8X	KERMADEC ISLANDS REGION (177)							LOR	129.58	333	ePKP	11	53.60	0.5	
RSTA	141.26	144	ePKP	56	25.70	-8.6X									0.8s	4.15nm					
			e	56	34.40		RAO	1.17	232	iP	50	46.00	0.7	SSF	129.90	333	ePKP	11	54.40	0.8	
			e	56	47.50										0.8s	4.45nm					
PPD	141.76	139	ePKP	56	28.50	-6.8X	DZM	16.40	289	iPc	54	15.50	0.9	TCF	131.07	333	ePKP	11	56.80	0.9	
			e	56	31.80		ASPA	44.24	265	eP	58	31.70	-1.7		0.8s	3.75nm					
EVIA	142.01	331	ePKP	56	30.13	-5.2X		1.4s	8.60nm			4.4mb		BCAO	134.48	272	iPKPc	11	55.00	-8.4X	
PAB	142.14	333	iPKPd	56	34.80	-0.7	WR2	45.03	270	eP	58	33.30	-6.6X		0.8s	11.00nm					
			ePP	59	46.00			0.8s	3.40nm			4.3mb		PPD	144.69	139	ePKP	12	21.00	-0.6	
BPA	142.58	70	ePKP	56	29.00	-7.8X	WRA	45.06	270	P	58	39.50	-0.5	VAO	146.63	145	ePKP	12	27.60	2.8X	
EHUE	142.69	330	ePKP	56	32.65	-3.9X		0.5s	4.20nm			4.6mb		BAO	151.36	134	ePKP	12	40.00	7.6X	
PAG	142.94	72	ePKP	56	32.00	-5.5X	POF	120.21	197	ePdiff05	50.30	11.7X		S.D. = 0.8 on 27 of 30 obs.							
EBAN	143.00	332	ePKP	56	32.85	-4.1X	GDH	128.05	22	ePdiff06	25.00	12.6X		SEP 22, 1993 13h 56m 08.86± 0.31s							
ENIJ	143.15	329	ePKP	56	35.67	-1.6								42.243 N ± 2.4km	122.079 W ± 5.7km						
MGG	143.31	72	ePKP	56	33.00	-5.0X	NB2	147.05	353	PKP	10	04.20	0.7		DEPTH = 5.0km	(geophysicist)					
TCE	143.53	81	ePKP	56	31.73	-6.7X		0.9s	2.60nm					OREGON (32)							
ECOG	143.60	330	ePKP	56	33.87	-4.2X	S.D. = 1.6 on 5 of 8 obs.							ML 3.3 (GS).							
FDF	143.67	74	ePKP	56	34.96	-3.7X	* SEP 22, 1993	13h	24m	23.67±	2.06s			LHEM	0.62	190	P	56	21.87	0.5	
ELUQ	143.71	331	ePKP	56	34.83	-3.4X	44.966 S ± 7.8km	167.400 E	±16.2km					LGMM	0.67	164	P	56	22.65	0.4	
VAO	143.73	145	ePKP	56	36.10	-2.6	DEPTH = 155.4 ± 15.9 km							LMHM	0.73	155	P	56	24.29	0.7	
			e	56	41.50		SOUTH ISLAND, NEW ZEALAND (162)							LASM	0.74	150	P	56	23.59	-0.2	
			e(pPKP)	56	45.00		MSZ	0.48	52	Pc	24	45.30	-0.4		LMPM	0.76	185	P	56	24.30	0.1
			e	56	53.30									LGBM	0.90	186	P	56	26.92	0.1	
SVB	143.78	76	ePKP	56	33.51	-5.4X								LBFM	0.91	171	eP	56	26.54	-0.3	
BIM	143.78	74	ePKP	56	35.30	-3.6X	TLC	1.21	101	P	24	51.20	0.0		LPDM	1.09	165	P	56	30.07	0.3
FCV	143.80	77	ePKP	56	33.97	-4.9X	MHZ	1.34	95	Pc	24	52.50	0.1		DBO	1.23	316	P	56	31.54	-0.6
VAO2	143.80	145	ePKP	56	42.70	3.8X	CMCZ	1.34	98	Pc	24	52.50	0.0								
SVV	143.81	76	ePKP	56	34.08	-4.8X									S	56	48.91				
TRN	143.88	81	ePKP	56	34.94	-4.1X	SBCZ	1.36	96	P	24	52.60	0.0		LBKM	1.24	201	P	56	32.15	-0.3
CRM	143.89	74	ePKP	56	35.03	-4.0X	LRCZ	1.38	95	Pc	24	52.90	-0.1		KXXM	1.40	253	P	56	34.81	-0.4
SLB	143.91	75	ePKP	56	35.12	-4.0X	LSCZ	1.40	97	Pc	24	53.00	0.0		KOMM	1.41	227	P	56	35.00	-0.3
MVM	143.94	74	ePKP	56	35.41	-3.7X	MSCZ	1.43	96	Pc	24	53.30	0.0		LGPM	1.44	203	eP	56	34.68	-1.1
EGUA	143.94	330	ePKP	56	35.00	-3.6X	BWZ	1.82	77	Pd	24	57.60	0.2			eS	56	53.93			
EHOR	143.95	333	ePKP	56	35.85	-2.7X	LMZ	1.83	48	P	24	58.00	0.5		HSO	1.48	330	P	56	35.80	-0.5
SLW	143.98	75	ePKP	56	34.36	-4.9X	TUZ	1.86	123	P	24	58.10	0.3			S	56	56.35			
TBH	144.22	81	ePKP	56	35.82	-3.8X								HBO	1.61	354	P	56	37.83	-0.3	
TPR	144.45	80	ePKP	56	36.01	-4.0X	SIZ	1.98	165	P	24	59.20	0.0			S	56	59.19			
BOT	144.51	80	ePKP	56	35.84	-4.3X	ODZ	2.30	93	P	25	02.70	-0.4		NCOR	1.61	25	P	56	37.74	-0.5
EPRU	144.64	332	ePKP	56	37.98	-1.8									S	56	59.59				
LIJA	144.78	332	iPKP	56	39.00	-1.1	WVZ	3.06	53	eP	25	12.90	0.4		WDC	1.70	192	eP	56	39.36	0.1
EVAL	144.81	334	ePKP	56	38.85	-1.2	LTZ	4.14	60	eP	25	26.00	-0.6		TCO	1.90	10	P	56	41.69	-0.7
TAF	144.88	327	iPKP	56	30.00	-10.3X	S.D. = 0.3 on 15 of 15 obs.							FHC	2.03	225	eP	56	44.33	0.2	
			i	56	40.00		* SEP 22, 1993	13h	52m	49.24±	1.43s			RNO	2.07	324	P	56	45.58	0.9	
CACB	144.89	143	iPKPc	56	39.30	-1.5	4.333 S ± 6.8km	152.876 E	±12.3km					FBO	2.10	350	P	56	45.27	0.1	
			e	56	53.10		DEPTH = 61.1 ± 10.7 km						BPO	2.42	7	P	56	52.29	2.3		
GIBL	145.09	333	iPKP	56	40.00	-0.5	4.9mb (3 obs.)						MPOR	2.50	335	P	56	52.38	1.4		
EJIF	145.17	332	ePKP	56	39.65	-1.0	NEW BRITAIN REGION, P.N.G. (192)								S	57	26.59				
RANB	145.33	333	ePKP	56	40.00	-0.9	Felt (III) at Rabaul.							VIPM	2.50	25	P	56	50.65	-0.4	
TOU	145.49	328	ePKP	56	40.50	-0.7	RAB	0.72	281	iPd	53	03.00	-0.9		SSOR	2.63	354	P	56	52.47	-0.3
PLAT	145.57	332	iPKP	56	39.00	-2.4	KVG	2.69	310	eP	53	31.10	0.1			S	57	30.24			
TZK	146.39	328	iPKP	56	44.50	1.8	PMG	7.59	228	eP	54	42.00	2.4		ORV	2.72	171	(P)	56	53.78	-0.3
ZER	146.85	329	iPKP	56	45.00	1.6	QIS	20.66	218	eP	57	27.00	0.6		GT2	2.91	357	P	56	59.41	2.6
TGT	146.86	329	ePKP	56	43.50	0.0	DZM	22.00	144	iPc	57	40.00	0.1		VGB	3.40	16	(P)	57	01.44	-2.3
IFR	147.33	328	iPKPd	56	47.00	2.5X	WR2	23.79	228	iPd	57	58.40	1.0		BMW	4.31	349	(P)	57	16.56	-0.1
RTC	147.83	331	ePKP	56	51.00	6.0X		0.5s	13.00nm					LON	4.51	2	(P)	57	18.22	-1.2	
ZFT	148.03	325	ePKP	56	46.50	1.1								S.D. = 1.0 on 30 of 30 obs.							
TNF	148.19	327	ePKP	56	47.00	1.4								SEP 22, 1993 14h 02m 57.26± 0.70s							
BAO	148.43	134	iPKPd	56	48.00	1.3								42.509 N ±10.6km	7.832 W ± 6.8km						
			i	56	51.00		ASPA	26.55	222	iPc	58	23.20	-0.1		DEPTH = 14.7 ± 6.5 km						
			i	57	04.50			0.4s	12.90nm			4.8mb		SPAIN (377)							
AVE	148.66	331	iPKP	56	44.00	-2.4								mbLg 3.1 (MDD).							

22d 14h

eS 05 00.90
S.D. = 0.4 on 7 of 7 obs.
* SEP 22, 1993 14h 18m 26.16±3.61s
42.211 N ±25.4km 122.142 W ±10.4km
DEPTH = 5.0km (geophysicist)
OREGON (32)
MD 2.8 (GS).

LGMM	0.65	159	P	18	39.11	-0.1
LMPM	0.72	181	P	18	40.64	0.0
LMHM	0.73	150	P	18	41.90	1.2
LASM	0.74	145	P	18	40.04	-1.0
LGBM	0.87	183	P	18	43.74	0.3
LBFM	0.88	168	eP	18	43.23	-0.5
			eS	18	56.80	
LBKM	1.19	199	P	18	49.10	0.1
KOMM	1.35	227	P	18	52.24	0.5
LGPM	1.40	202	eP	18	51.33	-1.1
			eS	19	10.93	
ORV	2.70	169	(P)	19	11.60	0.6

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

? SEP 22, 1993 14h 31m 03.52±1.88s
29.674 S ±16.9km 70.953 W ±22.7km
DEPTH = 157.7 ± 45.8 km

CENTRAL CHILE (136)

RTCB	2.59	135	eP	31	46.70	0.0
ZON	2.71	134	eP	31	47.40	-0.7
CFA	3.03	130	eP	31	53.00	0.9
			S	32	40.80	
RTPR	3.90	100	eP	32	03.20	-0.1
CYA	4.68	76	ePd	32	12.70	-0.9
			S	33	13.00	
MRA	5.26	123	iPc	32	21.80	0.5
			(S)	33	24.20	
TCA	5.74	108	iP	32	27.30	-0.4
			(S)	33	32.00	
SLA	6.92	46	e(P)	32	45.00	1.3
LPB	13.34	12	(P)	34	09.00	0.7
LPZ	13.57	12	Pc	34	10.20	-1.2

S.D. = 1.0 on 10 of 10 obs.

* SEP 22, 1993 15h 23m 06.86±0.93s
42.303 N ± 6.7km 122.012 W ±11.8km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 3.1 (GS). MD 2.5 (SEA).

LGMM	0.71	169	P	23	21.56	0.4
LASM	0.77	155	P	23	22.02	-0.5
LMPM	0.82	188	P	23	23.70	0.3
LBFM	0.96	175	eP	23	25.31	-0.4
LGBM	0.97	188	P	23	26.17	0.3
LBKM	1.31	202	P	23	30.75	-0.9
LGPM	1.52	204	eP	23	33.34	-1.5
FHC	2.11	225	(P)	23	44.43	1.2
ORV	2.77	172	(P)	23	53.93	1.2
VGB	3.33	15	(P)	24	00.64	-0.1
MEMM	5.20	152	(P)	24	30.73	3.6X

S.D. = 1.0 on 10 of 11 obs.

SEP 22, 1993 15h 26m 29.27±0.37s
8.173 N ± 8.4km 82.472 W ± 7.0km
DEPTH = 41.2km (3 depth phases)
4.6mb (13 obs.)

PANAMA-COSTA RICA BORDER REGION (80)
Felt in much of Chiriqui
Province, Panama.

PSO	8.62	143	eP	28	33.00	-1.9
BOG	9.07	112	eP	28	42.00	1.0
			eS	30	28.00	
SDV	11.73	86	eP	29	17.50	0.2
TOV	12.63	82	eP	29	29.00	-0.1
PPM	19.05	306	(P)	30	51.50	-0.1
IIA	19.12	306	(P)	30	52.00	0.2
III	19.38	303	(P)	30	55.00	-0.1
LPZ	28.15	150	Pc	32	19.70	-0.9
			LR	47	30.00	
MIAR	28.16	340	ePc	32	19.06	-0.8
	1.3s	15.49nm			4.5mb	
LPB	28.37	150	eP	32	24.00	1.6
TUL	30.17	338	iP	32	36.10	-1.8
MEO	30.34	333	iPd	32	36.60	-2.8X
FVM	30.54	348	eP	32	39.70	-1.4

SIV	32.02	139	P	32	59.50	5.1X
PAL	33.57	12	eP	33	02.82	-4.7X
MOCB	33.59	151	P	33	07.40	-1.1
ALQ	34.55	324	eP	33	15.30	-1.1
	0.8s	5.83nm			4.6mb	
GOL	37.49	330	eP	33	40.16	-1.1
	0.9s	10.73nm			4.7mb	
GLA	38.83	314	eP	33	53.03	0.7
			eP	34	04.05	39km
SRU	39.78	325	eP	33	59.81	-0.5
MSU	40.34	323	eP	34	04.41	-0.6
EMUT	40.43	326	eP	34	05.21	-0.5
RSSD	40.44	336	eP	34	05.69	0.0
	1.3s	13.76nm			4.6mb	
PLM	40.44	313	eP	34	07.12	1.3
ARUT	40.65	321	eP	34	07.94	0.5
DAU	41.09	326	(P)	34	07.03	-4.1X
GSC	41.42	316	eP	34	14.50	0.9
			eP	34	26.42	43km
BW06	41.88	330	eP	34	15.18	-2.3
	1.2s	6.37nm			4.2mb	
TPNV	41.95	318	eP	34	19.99	1.9
	0.8s	4.03nm			4.2mb	
ISA	42.76	315	eP	34	25.56	0.9
			iP	34	37.08	41km
ULM	43.40	347	eP	34	30.00	0.5
HHAI	43.69	328	eP	34	32.00	-0.1
BONR	43.86	318	eP	34	34.72	0.9
MCMT	45.01	329	eP	34	43.30	0.4
ORV	46.83	318	eP	34	57.64	0.6
YKA	59.05	343	eP	36	27.70	0.4
	1.0s	3.30nm			4.4mb	
TIC	76.71	85	P	38	19.01	0.4
	0.9s	12.00nm			4.9mb	
LIC	76.75	86	P	38	19.35	0.5
	0.7s	17.50nm			5.2mb	
KIC	77.02	85	P	38	20.90	0.6
	0.8s	15.00nm			5.1mb	
NB2	84.70	29	P	39	00.30	0.3
	1.0s	5.40nm			4.6mb	
HFS	86.04	30	ePKP	39	05.80	-0.9
	0.4s	1.80nm			4.6mb	
CLL	87.10	39	iP	39	12.70	0.7
KHC	87.83	41	eP	39	16.50	0.9
KKN	142.34	18	PKP	45	55.60	-4.7X
DMN	142.45	18	PKP	45	56.00	-4.5X
WR2	142.49	248	ePKP	45	55.30	-5.1X
	1.0s	2.30nm				
GBA	150.57	43	PKP	46	18.50	4.9X
	0.7s	2.50nm				

S.D. = 1.0 on 39 of 47 obs.

& SEP 22, 1993 16h 03m 52.40s
61.350 N 146.251 W
DEPTH = 27.4km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.5 (AEIC).

KLU	0.21	48	iPd	03	58.30	-0.3
			eS	04	03.58	
VLZ	0.22	190	iPd	03	58.07	-0.5
			eS	04	03.41	
SCM	0.71	314	ePc	04	04.82	-1.3
			eS	04	15.25	
CFI	0.75	258	iPc	04	05.60	-1.2
			eS	04	16.77	
TOA	0.76	3	P	04	05.90	-1.1
			S	04	16.50	
TZL	0.80	29	iPd	04	06.49	-1.2
CVA	0.84	163	ePc	04	06.73	-1.5
			eS	04	19.30	
HIN	0.96	187	eP	04	08.79	-1.3
			eS	04	22.68	
SGAM	0.99	149	eP	04	08.64	-1.8
SML	1.10	296	iPc	04	10.39	-1.6
			eS	04	25.00	
PWL	1.13	245	eP	04	11.03	-1.4
GLB	1.18	84	iPc	04	11.05	-2.1
			eS	04	26.06	
SDG	1.23	16	ePd	04	12.43	-1.4
			eS	04	28.06	
RAGM	1.24	141	ePc	04	12.93	-1.0
			eS	04	29.58	
GHO	1.35	289	ePc	04	14.51	-1.1
			eS	04	32.80	
PLRM	1.40	281	ePc	04	15.34	-0.9

PMR	1.40	281	eP	04	14.60	-1.7
			eS	04	34.58	
HMT	1.41	135	eP	04	15.18	-1.2
PMS	1.60	268	P	04	18.60	-0.6
			S	04	39.70	
CRQM	1.63	110	eP	04	18.35	-1.4
			eS	04	39.54	
PAX	1.67	12	eP	04	19.06	-1.2
			eS	04	40.67	
MPA	1.75	242	eP	04	20.30	-1.0
			eS	04	42.88	
PWA	1.77	281	P	04	20.80	-0.7
TGL	1.77	108	eP	04	20.41	-1.3
			eS	04	42.75	
DHY	1.81	344	eP	04	20.81	-1.6
WAX	1.89	117	eP	04	22.10	-1.4
BALM	1.92	98	eP	04	21.54	-2.4
			eS	04	45.78	
SEW	2.01	233	eP	04	22.54	-2.5
			eS	04	48.78	
SLKM	2.11	248	eP	04	25.48	-1.2
SUA	2.16	275	eP	04	26.82	-0.6
CUT	2.18	301	eP	04	26.84	-0.6
CTGM	2.42	97	eP	04	29.85	-1.2
YAH	2.42	112	eP	04	28.95	-2.2
TMW	2.50	36	eP	04	32.00	-0.1
SKT	2.60	286	eP	04	32.20	-1.3
CGLM	2.78	272	eP	04	34.88	-1.2
TRF	2.82	320	eP	04	35.30	-1.5
NCG	2.84	274	eP	04	35.06	-2.0
CRP	2.85	271	eP	04	35.46	-1.7
BKG	2.92	267	eP	04	36.30	-1.8
BGL	2.96	271	eP	04	38.14	-0.6
CNPM	3.07	236	eP	04	38.51	-1.8
HDA	3.08	354	P	04	41.70	1.3
RDT	3.10	258	eP	04	38.73	-2.0
REF	3.27	258	eP	04	41.05	-2.1
RDW	3.32	258	P	04	43.70	-0.2
RED	3.32	257	P	04	41.50	-2.3
NCT	3.35	259	P	04	42.50	-1.8
ILIM	3.53	252	eP	04	44.42	-2.4

49 obs. associated

SEP 22, 1993 16h 15m 36.43±0.32s
4.060 N ± 4.1km 122.892 E ± 5.9km
DEPTH = 556.5 ± 5.0 km
4.9mb (28 obs.)

CELEBES SEA (262)

MNI	3.25	143	ePc	16	53.00	-1.1
CTB	3.38	23	ePd	16	56.00	1.0
BIP	5.32	39	ePc	17	10.00	0.0
MAP	6.32	10	ePc	17	18.00	-1.0
PPR	7.02	324	iPc	17	25.00	-0.6
			iS	18	02.00	
PLP	7.36	16	ePc	17	28.70	-0.2
PGP	9.58	349	eP	17	51.00	0.0
GQP	9.79	357	ePc	17	56.00	2.9X
KHKI	14.32	210	eP	18	37.10	-1.6
MTN	18.68	154	iPd	19	21.20	0.1
LEM	18.69	235	iPd	19	22.20	0.8
			iS	19	25.70	
KNA	20.52	164	iPc	19	38.80	0.6
WWKK	22.08	110	eP	19	53.30	0.9
MBL	25.24	187	iPd	20	19.70	-1.0
	0.3s	6.00nm			4.7mb	
KHT	26.20	296	eP	20	29.60	0.4
WR2	26.39	155	iPd	20	29.50	-1.3
	0.4s					

22d 16h

CD2	32.23	328	eP	21	21.30	0.4
XAN	32.54	338	P	21	23.50	0.0
	0.6s	4.00nm			4.2mb	
CTA	33.21	137	iPc	21	30.00	0.8
	0.7s	215.07nm			5.9mb	
MRWA	33.74	191	iPd	21	33.50	0.0
	0.3s	24.00nm			5.3mb	
COOL	34.79	183	eP	21	41.50	-0.7
BAL	34.97	189	iPd	21	43.60	-0.2
FORT	34.99	172	iPc	21	44.20	0.3
MAT	35.26	22	eP	21	45.00	-1.2
KLB	35.79	188	iPd	21	50.30	-0.2
LZH	36.39	334	eP	21	57.50	1.9
	1.5s	40.00nm			4.8mb	
MUN	36.40	190	eP	21	55.50	0.0
NWAO	37.17	188	iPd	22	02.00	0.2
RKG	38.82	188	iPd	22	16.20	0.9
	0.5s	9.00nm			4.6mb	
LSA	39.40	314	Pd	22	22.80	2.2
	0.6s	16.00nm			4.8mb	
STK	39.93	155	iPc	22	25.00	0.7
	0.9s	31.70nm			4.9mb	
		i		24	09.60	
		iScP		27	11.80	
		eS		27	49.60	
GTA	40.94	332	eP	22	33.00	0.5
	1.0s	17.00nm			4.5mb	
		PcP		24	19.50	
		ScP		27	16.50	
		PcS		28	05.50	
		ScS		31	31.50	
ADE	41.57	160	iPc	22	39.00	1.6
GUN	42.47	308	P	22	45.60	0.6
KKN	42.89	307	P	22	48.60	0.4
DMN	42.95	307	P	22	49.20	0.5
ARMA	43.93	143	iPd	22	58.00	1.8
	0.6s	47.00nm			5.2mb	
BWA	45.21	150	iPc	23	07.90	2.1
HYB	45.41	290	iPd	23	07.70	0.1
	0.8s	85.70nm			5.3mb	
KOD	45.45	280	eP	23	07.10	-1.2
GBA	45.83	285	Pd	23	10.90	0.1
	0.6s	36.00nm			5.1mb	
CAN	46.21	150	iPc	23	14.80	1.3
CNE	46.39	150	iPc	23	16.00	1.1
	0.9s	52.00nm			5.1mb	
TOO	46.44	155	iPc	23	16.50	1.3
NDI	49.76	305	iPd	23	38.50	-1.7
	0.8s	63.43nm			5.2mb	
DZM	49.88	123	iPd	23	41.90	0.6
POO	50.01	291	eP	23	46.00	3.7X
WMQ	50.32	327	P	23	44.60	0.4
	0.8s	23.00nm			4.7mb	
KSH	55.10	316	P	24	20.20	1.6
	1.0s	30.00nm			4.6mb	
MSZ	63.02	145	eP	25	11.70	0.7
THZ	64.35	141	P	25	19.60	-0.1
TCW	64.94	139	P	25	22.40	-0.9
KIW	65.18	139	P	25	23.70	-1.2
MRW	65.23	139	P	25	23.90	-1.3
CAW	65.41	139	P	25	25.30	-1.0
URZ	65.43	135	eP	25	25.70	-0.7
MNG	65.44	138	P	25	25.40	-1.1
MTW	65.72	139	P	25	27.50	-0.7
BLW	65.80	139	eP	25	28.20	-0.5
OBN	84.57	325	iPd	27	12.00	-0.1
	1.0s	35.00nm			4.9mb	
		i		36	51.00	
KAF	89.53	332	iP	27	34.40	-0.9
	0.5s	17.50nm			5.2mb	
NUR	90.55	331	iP	27	38.70	-1.3
	0.4s	4.60nm			4.8mb	
HFS	95.93	332	eP	28	02.70	-1.9
	0.4s	2.70nm			4.9mb	
NB2	96.77	333	P	28	06.80	-1.7
	0.6s	2.00nm			4.6mb	
BRG	98.67	323	iP	28	17.20	-0.1
	0.9s	10.00nm			5.2mb	
GEC2	99.43	321	P	28	20.30	-0.5
	0.7s	1.01nm			4.4mb	
		e		28	23.30	
KIC	126.70	281	PKP	33	39.32	0.0
	0.5s	10.00nm				
TIC	126.93	281	PKP	33	39.22	-0.6
	0.6s	7.50nm				
LIC	127.01	281	PKP	33	39.86	0.0
	0.4s	6.00nm				

S.D. = 1.0 on 73 of 75 obs.						
? SEP 22, 1993 16h 30m 15.84± 4.97s						
42.375 N ±36.3km 122.073 W ±12.6km						
DEPTH = 5.0km (geophysicist)						
OREGON (32)						
ML 2.9 (GS). MD 2.3 (SEA).						
LHEM	0.75	188	P	30	31.62	0.5
LGMM	0.79	167	P	30	31.71	-0.1
LMHM	0.85	159	P	30	33.40	0.5
LASM	0.86	154	P	30	32.56	-0.4
LGBM	1.03	185	P	30	36.06	0.1
LBFM	1.04	172	eP	30	35.41	-0.6
LBKM	1.36	199	P	30	41.25	-0.3
LGPM	1.57	201	eP	30	44.21	-0.3
		eS		31	03.46	
WDC	1.83	191	eP	30	48.95	0.8
KHBM	1.92	207	P	30	49.63	0.0
ORV	2.85	171	(P)	31	03.70	0.9
S.D. = 0.6 on 11 of 11 obs.						
* SEP 22, 1993 16h 36m 24.64± 2.37s						
42.216 N ±17.3km 122.133 W ± 9.7km						
DEPTH = 5.0km (geophysicist)						
OREGON (32)						
ML 2.6 (GS). MD 2.4 (SEA).						
LGMM	0.66	160	P	36	38.16	0.4
LMPM	0.73	182	P	36	39.27	0.1
LMHM	0.73	151	P	36	39.77	0.5
LASM	0.74	146	P	36	39.02	-0.5
LBFM	0.89	168	eP	36	41.73	-0.6
LBKM	1.20	200	P	36	47.43	-0.1
KSYM	1.35	254	P	36	50.34	0.1
LGPM	1.40	202	eP	36	50.55	-0.5
		eS		37	09.37	
WDC	1.66	191	eP	36	55.15	0.6
KHBM	1.76	208	P	36	53.13	-3.0X
KMPM	2.34	220	(P)	37	04.46	0.0
S.D. = 0.5 on 10 of 11 obs.						
SEP 22, 1993 17h 03m 31.02± 0.59s						
31.090 N ± 7.7km 130.421 E ± 6.4km						
DEPTH = 168.1 ± 7.1 km						
4.5mb (7 obs.)						
KYUSHU, JAPAN (235)						
KAGJ	0.41	76	iP+	03	54.40	-0.2
		S		04	10.80	
KUMJ	1.48	13	iP+	04	02.50	0.4
		S		04	25.10	
SHNJ	3.08	11	iP+	04	20.40	-0.2
		S		04	57.80	
TKSJ	4.21	46	P	04	35.30	0.2
		S		05	21.30	
YONJ	4.82	31	P	04	41.90	-1.2
WKYJ	5.36	53	P	04	50.60	0.3
		S		05	50.00	
TSRJ	6.43	45	P	05	06.30	1.9
		S		06	15.70	
SSE	7.92	272	eP	05	38.50	14.3X
MAT	8.46	48	eP	05	35.00	3.6X
		eS		07	05.00	
CN2	13.29	344	eP	06	39.80	5.7X
	1.0s	25.00nm			4.6mb	
ASAJ	16.19	33	eP	07	08.80	-1.5
TIY	16.24	299	eP	07	10.40	-0.6
HHC	18.07	308	eP	07	32.40	-0.1
XAN	18.36	285	P	07	34.00	-1.4
BTO	19.03	306	eP	07	43.00	0.5
GYA	21.32	263	P	08	05.20	-0.5
LZH	22.66	290	eP	08	19.50	0.8
	1.0s	15.00nm			4.4mb	
CD2	22.84	276	eP	08	20.20	-0.2
GTA	26.24	297	eP	08	53.50	1.2
GUN	38.70	277	P	10	41.20	0.6
	0.4s	18.00nm			5.1mb	
KKN	39.25	277	P	10	45.80	0.9
WRA	50.88	175	P	12	17.10	0.4
	0.8s	3.30nm			4.0mb	
WR2	50.89	175	eP	12	16.00	-0.8
	0.7s	6.80nm			4.4mb	
ASPA	54.55	176	iPc	12	43.80	0.0
	0.7s	10.10nm			4.7mb	
CLL	81.25	326	e(P)	15	29.00	-0.2
GEC2	82.48	323	P	15	35.60	-0.2

0.8s 0.92nm 3.6mb						
e 17 13.00						
S.D. = 0.9 on 23 of 26 obs.						
* SEP 22, 1993 17h 11m 01.37± 0.75s						
50.146 N ± 8.7km 122.05 E ± 6.2km						
DEPTH = 10.0km (geophysicist)						
GERMANY (543)						
ML 2.0 (GRF).						
HOF	0.27	309	iPgc	11	06.80	-0.3
GRF	0.78	235	e(Pn)	11	16.90	0.3
		ePgc		11	17.90	
		eSg		11	30.20	
BRG	1.33	56	iPg	11	26.20	0.3
		iSg		11	44.30	
KHC	1.35	138	Pg	11	26.00	-0.3
		eSg		11	44.00	
PRU	1.51	95	Pg	11	28.40	-0.1
		Sg		11	49.00	
S.D. = 0.4 on 5 of 5 obs.						
* SEP 22, 1993 17h 25m 20.82± 2.69s						
33.410 S ± 7.0km 72.133 W ±20.4km						
DEPTH = 10.0km (geophysicist)						
OFF COAST OF CENTRAL CHILE (134)						
MD 4.2 (SAN).						
LCCH	0.48	98	iP	25	30.84	0.4
		iS		25	39.45	
IHA	0.56	47	iPc	25	32.20	0.0
		iS		25	42.30	
LNv	0.81	132	iP	25	36.07	-0.5
		iS		25	49.05	
TACH	1.03	104	iP	25	39.83	-0.4
		iS		25	56.13	
ROCH	1.04	65	iP	25	40.32	-0.2
		iS		25	57.24	
SAN	1.23	92	iP	25	43.59	-0.1

IZM 3.60 9 eP 36 48.50 0.4
 ATH 3.88 325 ePn 36 54.20 2.3
 BCK 4.19 50 eP 36 51.00 -5.4X
 PPCY 4.76 88 eP 37 07.00 2.7X
 EZN 4.99 358 eP 37 10.60 3.2X
 ALT 5.08 33 eP 37 07.00 -1.9
 CSS 5.57 87 eP 37 09.00 -6.6X

VLS 5.85 306 ePn 37 19.00 -0.5
 HLW 6.40 139 (P) 37 31.30 4.1
 RZN 6.99 349 iP 37 36.00 0.5
 MMB 7.10 343 iPd 37 37.00 0.2
 KKB 7.53 340 iP 37 44.00 1.3
 OHR 7.74 326 eP 37 44.70 -1.0
 VTS 8.17 342 iP 37 53.00 1.3
 SKO 8.18 332 eP 37 50.00 -1.6
 GEC2 16.93 330 Pn 39 46.00 -0.8
 KHC 17.20 330 eP 39 49.00 -1.1

1.4s 11.70nm 3.9mb
 e 39 52.50

SBF 17.29 307 eP 39 52.20 0.9
 0.6s 14.50nm 4.4mb

PRU 17.51 333 eP 39 53.20 -0.7
 BRG 18.46 334 e(P) 40 05.10 -0.4

LPL 18.48 311 eP 40 06.70 0.7
 0.4s 1.70nm 3.6mb

CLL 19.16 333 e(P) 40 11.00 -2.4X
 BSF 19.65 317 eP 40 20.10 1.4

0.8s 7.95nm 4.1mb
 CDF 19.72 319 eP 40 19.30 -0.2

0.8s 5.90nm 3.9mb
 HAU 19.99 317 eP 40 22.30 0.1

0.6s 6.75nm 4.2mb
 SMF 20.79 311 eP 40 31.10 0.7

1.0s 10.60nm 4.1mb
 LBF 20.86 312 eP 40 29.90 -1.2

0.7s 5.50nm 4.0mb
 LOR 21.06 313 eP 40 32.00 -1.1

0.6s 2.80nm 3.8mb
 SSF 21.18 312 eP 40 33.00 -1.3

0.5s 3.30nm 3.9mb
 OBN 21.43 16 eP 40 36.50 -0.2

LPO 21.77 304 eP 40 41.60 1.4
 0.8s 6.30nm 4.1mb

ENN 21.86 323 eP 40 43.50 2.5
 0.9s 9.70nm 4.2mb

LFF 22.15 305 eP 40 45.80 1.9
 0.5s 3.45nm 4.0mb

FLN 24.33 313 eP 41 05.80 0.6
 0.5s 3.05nm 4.0mb

UPP 25.71 350 iP 41 17.80 -0.1
 NUR 25.72 358 eP 41 20.00 2.0

HFS 26.66 346 eP 41 25.80 -0.9
 0.3s 2.00nm 4.1mb

Z 16s 0.11um 3.5MsZ
 LR 52 35.00

KAF 27.30 360 iP 41 33.00 0.5
 0.4s 2.50nm 4.1mb

NB2 28.02 344 P 41 37.20 -1.8
 0.8s 2.50nm 3.9mb

EKA 28.97 324 Pd 41 49.60 2.0
 0.5s 1.40nm 3.8mb

TIC 40.40 233 P 43 23.20 -2.6
 KIC 40.43 233 P 43 23.60 -2.4

DMN 49.98 81 P 44 42.00 -0.3
 KKN 50.05 81 P 44 42.20 -0.6

0.6s 17.00nm 5.2mb X
 GUN 50.49 81 P 44 45.60 -0.7

S.D. = 1.5 on 44 of 49 obs.

SEP 22, 1993 17h 55m 05.22± 0.30s
 42.254 N ± 2.2km 122.029 W ± 4.6km

DEPTH = 5.0km (geophysicist)
 OREGON (32)

ML 3.3 (GS). MD 2.9 (SEA).

LHEM 0.64 193 P 55 17.97 -0.1
 LGMM 0.67 167 P 55 19.01 0.4

LMHM 0.73 158 P 55 20.55 0.7
 LASM 0.74 153 P 55 19.93 0.0

LMPM 0.77 187 P 55 20.56 -0.3
 LBFM 0.91 173 eP 55 23.10 -0.2

eS 55 35.86
 LGBM 0.92 188 P 55 23.12 -0.3

LPDM 1.09 167 P 55 26.44 0.2
 DBO 1.24 314 P 55 27.89 -1.0

S 55 45.29

LBKM 1.26 202 P 55 28.40 -0.8
 KSXM 1.44 254 P 55 30.94 -1.2
 KOMM 1.44 228 P 55 31.38 -0.8
 LGPM 1.47 204 eP 55 30.96 -1.5
 HSO 1.49 329 P 55 31.64 -1.1

S 55 52.18
 KRMM 1.58 243 P 55 36.50 2.4
 KSCM 1.59 274 P 55 34.93 0.8

NCOR 1.59 24 P 55 34.05 -0.2
 S 55 55.97

HBO 1.60 352 Pd 55 34.08 -0.4
 S 55 55.62

WDC 1.72 193 eP 55 35.30 -0.6
 TCO 1.88 9 P 55 38.01 -0.5

FHC 2.06 226 eP 55 42.11 1.1
 RNO 2.08 323 P 55 42.22 1.0

FBO 2.09 349 P 55 40.94 -0.5
 S 56 09.42

GMO 2.32 19 P 55 44.85 0.0
 BPO 2.41 6 P 55 45.65 -0.5

KMPM 2.42 221 eP 55 46.47 0.3
 VIPM 2.48 24 P 55 46.29 -0.8

S 56 22.51
 MPOR 2.51 334 P 55 48.60 1.2
 SSOR 2.62 353 P 55 48.52 -0.5

S 56 26.73
 ORV 2.73 171 eP 55 51.14 0.7
 GT2 2.91 357 P 55 53.60 0.6

VGB 3.38 15 (P) 56 01.98 2.2
 LON 4.50 2 eP 56 22.15 6.5X

BONR 5.16 145 (P) 56 24.90 -0.3
 S.D. = 0.9 on 33 of 34 obs.

* SEP 22, 1993 18h 21m 45.75± 0.62s
 47.317 S ± 12.8km 13.437 W ± 11.1km

DEPTH = 10.0km (geophysicist)
 4.9mb (6 obs.) 4.9MsZ (1 obs.)

SOUTHERN MID-ATLANTIC RIDGE (410)

SPA 42.88 180 iPc 29 45.50 -0.2
 1.0s 10.00nm 4.5mb

PEL 44.96 267 iP 30 03.00 0.3
 1.0s 80.00nm 5.6mb

LSZ 46.94 61 iPc 30 19.00 0.4
 i 30 24.10

LIC 53.82 10 P 31 11.02 0.2
 1.0s 23.50nm 5.2mb

Z 21s 1.25um 4.9MsZ
 CNCB 53.94 285 eP 31 12.00 -0.4

i 32 18.30
 KIC 53.99 11 P 31 12.08 0.0

0.9s 16.00nm 5.0mb
 TIC 54.24 10 P 31 13.74 -0.1

0.6s 5.50nm 4.7mb
 LPAZ 54.41 285 Pd 31 15.00 -1.0

LR 48 30.40
 ARE 56.51 282 eP 31 32.00 1.2

BCAO 58.72 38 iPc 31 45.50 -0.5
 0.8s 7.00nm 4.8mb

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

? SEP 22, 1993 18h 25m 57.21± 3.26s
 36.491 N ± 31.1km 29.017 E ± 11.5km

DEPTH = 33.0km (normal)
 TURKEY (366)

ML 3.3 (ISK).

ELL 0.76 70 iPg 26 11.00 -0.6
 iSg 26 23.00

CIN 1.33 326 ePg 26 20.00 0.4
 iSg 26 36.00

BCK 1.59 52 ePn 26 24.50 1.1
 KHL 1.87 12 ePn 26 27.30 -0.3

IZM 2.36 324 ePn 26 34.30 -0.2
 ALT 2.70 18 ePn 26 39.00 -0.4

S.D. = 0.8 on 6 of 6 obs.

? SEP 22, 1993 18h 30m 44.42± 5.31s
 42.309 N ± 37.2km 122.147 W ± 19.4km

DEPTH = 5.0km (geophysicist)
 OREGON (32)

ML 2.8 (GS).

LGMM 0.75 162 P 30 59.31 0.0
 LMPM 0.82 181 P 31 01.26 0.3

LGBM 0.96 182 P 31 04.17 0.8
 LBFM 0.98 169 eP 31 02.94 -0.7

LBKM 1.28 198 P 31 17.01 eS
 KOMM 1.42 224 P 31 07.97 -0.8
 LGPM 1.49 200 eP 31 11.44 0.4
 WDC 1.75 190 eP 31 10.93 -1.0
 ORV 2.79 170 eP 31 15.96 0.3
 31 30.84 0.2

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

& SEP 22, 1993 18h 51m 40.10s
 61.366 N 147.715 W

DEPTH = 29.6km
 SOUTHERN ALASKA (2)

<AEIC>. ML 2.6 (AEIC).

CFI 0.19 188 iPd 51 45.85 -0.3
 eS 51 50.46

KNK 0.36 278 iPc 51 47.82 -0.6
 eS 51 53.94

SCM 0.50 21 iPd 51 49.81 -0.9
 eS 51 57.95

SML 0.53 327 iPc 51 50.16 -0.9
 eS 51 58.39

PWL 0.59 211 iPd 51 50.86 -1.1
 GH0 0.71 306 iPc 51 52.72 -1.2

eS 52 02.80
 VLZ 0.71 109 ePc 51 52.30 -1.6

eS 52 02.05
 PLRM 0.72 289 ePc 51 52.68 -1.3

eS 52 02.64
 PMR 0.72 289 iPc 51 52.33 -1.7

eS 52 02.23
 KLU 0.87 81 iPc 51 54.91 -1.4

eS 52 06.43
 PMS 0.90 263 P 51 56.00 -0.7

TOA 1.04 44 P 51 58.20 -0.6
 S 52 13.10

PWA 1.08 286 P 51 58.20 -1.0
 HIN 1.14 148 ePc 51 59.80 -0.3

eS 52 15.43
 MPA 1.19 223 ePd 52 00.08 -0.7

eS 52 15.95
 CVA 1.26 130 eP 52 01.68 -0.1

eS 52 19.74
 TZL 1.29 57 eP 52 02.35 0.2

SUA 1.46 275 eP 52 04.64 -0.1
 SLKM 1.50 236 ePd 52 04.98 -0.2

SGAM 1.50 124 eP 52 05.26 0.0
 SEW 1.53 215 eP 52 05.31 -0.3

SDG 1.55 40 ePd 52 05.90 -0.1
 eS 52 25.99

CUT 1.60 312 eP 52 06.37 -0.3
 DHY 1.72 5 eP 52 08.11 -0.5

eS 52 30.82
 RAGM 1.78 122 eP 52 10.04 0.7

NKA 1.82 252 P 52 11.80 1.9
 HUR 1.85 332 eP 52 10.41 0.0

eS 52 34.25
 GLB 1.88 86 eP 52 10.49 -0.3

eS 52 33.85
 SKT 1.92 290 eP 52 11.00 -0.4

eS 52 36.35
 PAX 1.93 32 eP 52 11.37 -0.1

HMT 1.98 120 eP 52 11.17 -1.1
 CGLM 2.07 270 eP 52 13.58 0.0

SPU 2.10 267 eP 52 13.62 -0.4
 RND 2.12 346 P 52 15.10 0.9

NCG 2.14 273 eP 52 14.29 -0.3
 CRP 2.14 269 eP 52 14.02 -0.7

CKN 2.16 268 eP 52 15.23 0.4
 CKT 2.18 268 eP 52 14.83 -0.2

CP2 2.19 269 eP 52 15.22 -0.1
 BKG 2.22 264 eP 52 15.35 -0.3

CKL 2.24 268 eP 52 15.49 -0.5
 BGL 2.26 269 eP 52 15.91 -0.3

CRQM 2.31 103 eP 52 16.33 -0.7
 TRF 2.41 331 eP 52 18.51 0.0

RDT 2.42 253 eP 52 17.72 -0.9
 TGL 2.45 102 eP 52 19.46 0.4

CNPM 2.54 225 eP 52 19.83 -0.4
 WAX 2.55 109 eP 52 20.16 -0.2

BALM 2.62 95 eP 52 20.42 -1.0
 KTH 2.65 327 eP 52 21.81 0.0

HDA 3.07 6 P 52 29.70 2.0
 YAH 3.09 106 P 52 30.20 2.0

CTGM 3.12 95 P 52 30.80 2.3
 FBA 3.55 359 (P) 52 34.97 0.5

54 obs. associated

? SEP 22, 1993 19h 07m 13.74± 1.74s
16.726 N ±22.6km 61.976 W ±39.0km
DEPTH = 120.0km (geophysicist)

LEEWARD ISLANDS (92)

BPA 0.34 20 eP 07 31.10 0.0
S 07 45.90
PAG 0.75 158 eP 07 33.70 -0.1
DEG 0.97 115 ePc 07 35.73 -0.1
S 07 55.03
MGG 1.02 142 ePc 07 36.42 0.2
S.D. = 0.2 on 4 of 4 obs.

* SEP 22, 1993 19h 41m 49.54± 2.28s
42.345 N ±16.0km 122.054 W ± 9.8km
DEPTH = 5.0km (geophysicist)

OREGON (32)

ML 2.8 (GS).

LHEM 0.73 190 P 42 04.40 0.3
LGMM 0.76 168 P 42 05.27 0.3
LMHM 0.82 159 P 42 06.15 0.0
LASM 0.83 154 P 42 05.92 -0.3
LMPM 0.86 185 P 42 06.65 -0.1
LBFM 1.01 173 eP 42 09.23 0.0
eS 42 23.16
LGBM 1.00 186 P 42 09.57 0.3
LBKM 1.34 200 P 42 14.43 -0.4
KSXM 1.45 250 P 42 16.94 0.4
KOMM 1.49 225 P 42 17.96 0.8
LGPM 1.54 202 eP 42 17.41 -0.5
FHC 2.12 224 (P) 42 25.06 -1.0
S.D. = 0.5 on 12 of 12 obs.

* SEP 22, 1993 20h 09m 17.90± 1.21s
6.773 N ±22.9km 72.948 W ±27.3km
DEPTH = 161.9 ± 15.2 km

NORTHERN COLOMBIA (99)

FUQ 1.51 211 iP 09 48.50 -0.7
BOG 2.41 208 iPc 10 00.00 0.7
iS 10 30.00
SDV 3.11 47 iPnc 10 08.80 1.0
iSn 10 46.90
TOV 4.33 46 iPnc 10 23.70 0.2
iPP 10 24.50
iSn 11 13.10
CEOS 5.09 64 iP 10 33.10 -0.5
iS 11 30.40
MORO 6.13 48 eP 10 46.70 -0.7
PSO 7.06 218 eP 11 00.00 -0.2
LLAV 7.10 58 eP 10 52.90 -7.6X
LPAZ 23.40 168 Pd 14 14.50 0.4
LPB 23.65 168 eP 14 16.00 -0.2
CNCB 23.94 168 P 14 19.20 0.0
i 14 55.00
ASPA 149.22 234 iPKPd 28 48.40 3.4X
0.6s 8.70nm
S.D. = 0.7 on 10 of 12 obs.

SEP 22, 1993 20h 12m 20.57± 0.30s
42.179 N ± 2.3km 122.055 W ± 4.6km
DEPTH = 5.0km (geophysicist)

OREGON (32)

ML 3.3 (GS), 3.4 (BRK). MD 2.9 (SEA).

LHEM 0.56 193 P 12 32.50 0.6
LGMM 0.60 164 P 12 32.82 0.2
YBH 0.66 228 ePd 12 33.63 -0.2
eS 12 43.64
LMHM 0.67 153 P 12 33.82 -0.2
LASM 0.68 148 P 12 33.75 -0.5
LMPM 0.69 187 P 12 34.75 0.3
LGBM 0.84 187 P 12 37.49 0.0
LBFM 0.84 171 ePd 12 37.17 -0.3
eS 12 49.93
LPDM 1.02 165 P 12 40.38 0.0
LBKM 1.19 203 P 12 42.45 -0.8
DBO 1.28 317 P 12 43.83 -1.1
S 13 01.75
KOMM 1.38 230 P 12 46.18 -0.4
LGPM 1.39 205 ePc 12 45.62 -1.2
eS 13 05.65
KSXM 1.40 256 P 12 47.09 0.2
KRMM 1.53 245 P 12 52.31 3.6X

HSO 1.55 331 P 12 47.93 -1.0
S 13 09.28
WDC 1.64 193 eP 12 49.86 -0.3
NCOR 1.67 24 P 12 49.63 -1.1
HBO 1.68 353 P 12 49.86 -1.0
LCFM 1.74 167 P 12 52.43 0.6
LDBM 1.76 173 P 12 53.25 1.3
LRDM 1.77 165 P 12 50.58 -1.6
LSLM 1.79 167 P 12 53.68 1.3
LHKM 1.84 161 P 12 54.25 1.0
TCO 1.96 10 P 12 53.66 -1.3
FHC 2.00 227 eP 12 55.93 0.5
RNO 2.13 325 P 12 58.08 0.8
FBO 2.16 350 P 12 58.09 0.2
S 13 26.43

KMPM 2.35 222 eP 13 01.40 0.9
BPO 2.49 6 P 13 03.30 0.7
VIPM 2.55 24 P 13 04.38 0.9
MPOR 2.57 335 P 13 04.61 1.0
ORV 2.65 171 (P) 13 03.36 -1.4
SSOR 2.69 354 P 13 07.00 1.6
VGB 3.46 15 eP 13 11.83 -4.4X
S.D. = 0.9 on 33 of 35 obs.

? SEP 22, 1993 20h 46m 18.01± 1.37s
19.534 N ±14.7km 120.839 E ±29.2km
DEPTH = 94.5 ± 14.6 km
4.4mb (3 obs.)

PHILIPPINE ISLANDS REGION (248)

PIP 1.22 190 iPc 46 40.50 -0.4
iS 47 05.00
SZP 2.00 191 ePd 46 51.00 0.1
CVP 2.04 153 iPd 46 51.00 -0.5
iS 47 20.00
GQP 5.80 164 iPc 47 44.50 1.3
eS 48 21.50
BJI 20.83 350 eP 50 54.00 0.2
1.4s 10.00nm 4.0mb
WR2 41.42 161 eP 53 55.70 -1.1
0.7s 5.90nm 4.5mb
ASPA 44.79 163 iPc 54 24.60 0.4
0.5s 4.80nm 4.6mb
S.D. = 1.1 on 7 of 7 obs.

* SEP 22, 1993 21h 07m 07.25± 3.02s
42.263 N ±21.4km 122.090 W ± 9.9km
DEPTH = 5.0km (geophysicist)

OREGON (32)

ML 2.9 (GS).

LHEM 0.64 189 P 07 20.36 0.3
LGMM 0.69 164 P 07 21.06 0.0
LMHM 0.76 155 P 07 23.39 0.8
LASM 0.77 150 P 07 21.97 -0.8
LMPM 0.78 184 P 07 22.95 0.0
LBFM 0.93 171 eP 07 24.89 -0.7
eS 07 38.65
LBKM 1.25 200 P 07 30.75 -0.4
KOMM 1.42 226 P 07 34.36 0.6
LGPM 1.46 203 eP 07 33.56 -0.8
eS 07 52.24
WDC 1.72 192 eP 07 38.19 0.3
ORV 2.74 170 (P) 07 53.86 1.1
S.D. = 0.7 on 11 of 11 obs.

* SEP 22, 1993 21h 25m 59.72± 2.44s
42.326 N ±17.8km 122.183 W ±10.3km
DEPTH = 5.0km (geophysicist)

OREGON (32)

ML 3.1 (GS).

LHEM 0.70 182 P 26 13.92 0.2
LGMM 0.77 160 P 26 15.42 0.1
LMPM 0.84 179 P 26 16.44 -0.1
LASM 0.86 148 P 26 15.65 -1.2
LGBM 0.98 180 P 26 18.56 -0.4
LBFM 1.00 167 eP 26 18.93 -0.4
eS 26 34.11
LPDM 1.19 162 P 26 23.43 1.0
LBKM 1.29 196 P 26 23.62 -0.6
KSXM 1.35 249 P 26 24.94 -0.4
KOMM 1.41 223 P 26 26.97 0.7
LGPM 1.49 199 eP 26 26.75 -0.6
eS 26 47.25
WDC 1.77 189 eP 26 31.33 0.2
ORV 2.82 169 (P) 26 47.60 1.3

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

% SEP 22, 1993 22h 30m 38.06± 0.96s
29.476 S ± 9.7km 66.769 W ± 9.1km
DEPTH = 33.0km (normal)

LA RIOJA PROVINCE, ARGENTINA (138)

RTPR 0.85 165 ePd 30 54.00 0.4
CYA 1.34 40 ePc 31 01.00 0.4
RTRS 2.44 253 e(P) 31 15.10 -1.3
CFA 2.47 210 ePd 31 18.00 1.0
S 31 47.70
TCA 2.64 135 iP 31 19.00 -0.4
i 31 28.00
RTCB 2.66 221 eP 31 20.50 0.8
(S) 31 51.00
MRA 3.06 163 ePc 31 24.30 -1.0
S 32 12.90

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

? SEP 22, 1993 22h 39m 25.85± 0.96s
26.380 S ± 9.3km 27.428 E ± 8.4km
DEPTH = 5.0km (geophysicist)

REPUBLIC OF SOUTH AFRICA (584)

ML 3.1 (PRE).

KSR 0.70 317 eP 39 40.00 0.1
S 39 49.50
SLR 1.00 50 iPd 39 44.90 -0.5
S 39 57.00
SWZ 2.04 247 eP 40 04.00 2.6X
S 40 29.40
BFT 2.45 74 eP 40 07.90 0.5
BLF 2.93 202 iPc 40 14.00 -0.1
S 40 47.60
BUL 6.30 10 iPn 41 09.40 7.5X
iSn 41 56.60
iSg 42 24.70
SUR 8.31 222 e(P) 41 27.00 -3.1X
S.D. = 0.7 on 4 of 7 obs.

? SEP 22, 1993 23h 22m 41.57± 1.50s
5.161 N ±18.2km 126.905 E ±23.3km
DEPTH = 33.0km (normal)

4.8mb (3 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

MNI 4.23 209 ePd 23 45.50 0.2
WR2 26.01 164 eP 28 12.40 -1.1
0.7s 27.30nm 5.0mb
i 28 21.00
ASPA 29.45 167 iPc 28 44.20 -0.6
0.5s 8.80nm 4.8mb
STK 39.40 160 iPd 30 11.70 1.6
0.7s 8.40nm 4.6mb
KKN 45.49 304 P 31 00.00 -0.1
S.D. = 1.4 on 5 of 5 obs.

SEP 22, 1993 23h 36m 00.14± 0.58s
51.605 N ± 5.1km 16.271 E ± 4.6km
DEPTH = 10.0km (geophysicist)

POLAND (548)

ML 3.6 (GRF), 3.4 (VIE).

KSP 0.76 179 iPd 36 14.30 -0.7
0.3s 110.00nm
iS 36 23.40
i 36 28.00
BRG 1.63 244 ePn 36 29.30 0.3
iPg 36 30.90
iSg 36 51.20
RAC 1.95 141 ePg 36 38.00 4.4X
iSg 37 04.80
PRU 1.96 215 ePn 36 33.10 -0.6
Pg 36 35.40
i 36 39.50
Sn 36 52.40
Sg 36 58.60
CLL 2.07 263 iPn 36 35.40 0.1
iPg 36 39.30
iSg 37 05.60
VRAC 2.31 175 iPnd 36 39.90 1.1
0.3s 40.50nm
i 36 40.40
eSg 37 11.60
OJC 2.63 120 eP 36 43.20 -0.1
eS 37 21.00

KHC	3.02	216	Pn	36	48.50	-0.4
			Pg	36	54.60	
			eSn	37	22.00	
			eSg	37	33.50	
			e	37	37.00	
HOF	3.06	247	ePn	36	49.70	0.2
MOX	3.09	254	ePn	36	50.60	0.8
			iPg	36	58.50	
			iSg	37	38.50	
GEC2	3.22	212	Pn	36	51.50	-0.3
			Pg	36	57.80	
			Sn	37	29.90	
			Sg	37	36.30	
WET	3.28	223	iPnc	36	52.50	-0.1
ZST	3.45	171	e(Pn)	36	50.20	-4.8X
			i	37	04.00	
			e	37	24.10	
			i	37	51.30	
GRF	3.74	241	iPnc	36	59.40	0.2
			ePg	37	12.20	
			eSg	37	56.90	
PSZ	4.37	146	ePnc	37	08.80	0.6
BHG	4.47	211	ePn	37	26.10	16.7X
FUR	4.72	225	ePn	37	12.60	-0.5
KBA	4.92	204	iPnc	37	15.50	-0.5
			i	37	31.30	
			iSg	38	36.00	
WTTA	5.29	217	iPnc	37	21.30	0.0
			iPg	37	41.10	
			iSg	38	49.90	
OGA	5.85	218	iPnd	37	29.40	0.2
HFS	8.67	351	eP	38	08.00	-0.5
	0.3s	0.80nm			4.5mb X	
	S.D.	= 0.5	on 18 of 21 obs.			

? SEP 23, 1993	00h	02m	40.62± 6.95s			
	16.949 N ±33.6km	60.971 W ±46.6km				
	DEPTH = 10.0km	(geophysicist)				
	LEEWARD ISLANDS	(92)				
	ML 2.6 (FDF).					
DEG	0.64	188	eP	02	53.33	-0.1
			S	03	02.36	
BPA	0.85	277	eP	02	57.09	0.0
MGG	1.08	198	eP	03	01.06	0.2
PAG	1.14	217	eP	03	01.90	-0.1
			S	03	15.83	
	S.D.	= 0.2	on 4 of 4 obs.			

& SEP 23, 1993	00h	41m	52.47s			
	34.581 N	116.550 W				
	DEPTH = 8.3km					
	SOUTHERN CALIFORNIA	(43)				
	<PAS-P>. ML 2.7 (PAS).					
GSC	0.75	344	iPd	42	06.47	-0.9
PEC	0.85	217	iPd	42	07.86	-1.2
SSK	1.01	249	iPc	42	11.05	-0.9
			eS	42	25.29	
PLM	1.25	192	iPd	42	15.15	-0.9
			eS	42	32.44	
GLA	2.09	136	eP	42	30.70	2.4
			eS	43	00.37	
ABL	2.22	278 (P)		42	28.46	-1.8
			eS	43	02.70	
	6 obs.	associated				

* SEP 23, 1993	01h	00m	59.48± 3.44s			
	42.254 N ±25.2km	122.128 W ±10.5km				
	DEPTH = 5.0km	(geophysicist)				
	OREGON	(32)				
	ML 3.0 (GS). MD 2.5 (SEA).					
LGMM	0.69	161 P		01	13.92	0.6
LMHM	0.76	152 P		01	15.56	0.6
LMPM	0.77	182 P		01	15.07	0.1
LASM	0.77	148 P		01	14.44	-0.7
LGBM	0.91	183 P		01	17.62	0.1
LBFM	0.92	169 eP		01	17.58	-0.2
		eS		01	32.75	
LBKM	1.24	199 P		01		

23d 01h

WDC 1.62 190 eP 59 54.54 -0.6
 LDBM 1.77 170 P 59 59.97 2.5
 FHC 1.93 225 eP 59 59.08 -0.6
 KMPM 2.29 220 eP 00 05.17 0.3
 ORV 2.67 169 (P) 00 10.59 0.3
 VGB 3.48 16 (P) 00 21.61 -0.2
 BONR 5.16 144 (P) 00 46.92 1.0
 S.D. = 1.0 on 18 of 18 obs.

? SEP 23, 1993 02h 52m 05.17± 1.61s
 1.313 N ±19.6km 120.446 E ±15.0km
 DEPTH = 33.0km (normal)
 5.2mb (1 obs.)
 MINAHASSA PENINSULA, SULAWESI (265)

TNE 6.91 94 eP 53 46.50 -0.2
 BIP 8.98 40 eP 54 24.00 8.4X
 PLP 10.77 25 ePd 54 40.00 -0.3
 PGP 12.12 2 eP 55 08.50 9.9X
 GQP 12.67 9 eP 55 06.20 0.3
 KKN 42.72 311 P 00 00.00 -1.4
 OBN 85.40 325 eP 04 42.00 1.6
 1.0s 18.00nm 5.2mb
 S.D. = 1.5 on 5 of 7 obs.

% SEP 23, 1993 03h 04m 02.58± 0.67s
 31.096 S ±11.5km 68.361 W ± 9.2km
 DEPTH = 100.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)

RTLL 0.25 202 ePc 04 17.00 -0.5
 S 04 28.20
 CFA 0.52 169 ePd 04 19.00 0.2
 S 04 31.20
 RTCB 0.54 224 ePc 04 19.00 0.0
 S 04 30.50
 RTRS 1.32 314 ePd 04 27.20 0.2
 RTPR 1.78 64 ePd 04 32.60 -0.1
 MRA 2.61 121 ePc 04 44.00 0.2
 S 05 14.90
 S.D. = 0.4 on 6 of 6 obs.

% SEP 23, 1993 03h 11m 58.59± 0.73s
 26.375 S ± 6.5km 27.409 E ± 7.3km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.8 (PRE).

PRY 0.55 174 eP 12 09.00 -0.7
 S 12 15.90
 KSR 0.69 318 eP 12 11.50 -0.8
 SLR 1.01 51 eP 12 19.00 0.7
 S 12 34.10
 SWZ 2.03 246 eP 12 35.00 1.0
 S 12 59.60
 BFT 2.47 74 eP 12 40.00 -0.3
 S 13 09.00
 BLF 2.93 201 iPc 12 47.00 0.1
 S 13 21.00
 S.D. = 1.0 on 6 of 6 obs.

? SEP 23, 1993 03h 16m 07.07± 5.02s
 32.208 S ±46.6km 71.033 W ±20.4km
 DEPTH = 80.0km (geophysicist)
 NEAR COAST OF CENTRAL CHILE (135)
 MD 3.6 (SAN).

JACH 0.60 142 iP 16 21.80 -0.3
 iS 16 33.76
 ROCH 0.76 179 iP 16 24.05 0.2
 iS 16 37.39
 PEL 0.98 163 iP 16 26.37 0.2
 iS 16 41.31
 FCH 1.28 151 iP 16 30.36 0.1
 iS 16 48.29
 LCCH 1.34 200 iP 16 31.09 0.4
 PCH 1.47 163 iP 16 32.58 0.0
 iS 16 52.95
 LNV 1.77 190 iP 16 35.71 -0.7
 iS 17 00.58
 S.D. = 0.4 on 7 of 7 obs.

* SEP 23, 1993 03h 52m 03.59± 3.81s
 42.310 N ±27.7km 121.996 W ±12.1km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.9 (GS). MD 2.5 (SEA).

Multiple event.

LMHM 0.77 161 P 52 18.21 -1.1
 LASM 0.78 156 P 52 20.21 0.9
 LMPM 0.83 189 P 52 20.15 -0.1
 LBPM 0.97 175 eP 52 23.36 0.8
 LGBM 0.98 189 P 52 23.01 0.2
 LBKM 1.32 202 P 52 28.47 -0.1
 KOMM 1.50 227 P 52 31.67 0.4
 LGPM 1.53 204 eP 52 31.22 -0.5
 WDC 1.78 193 eP 52 34.88 -0.3
 KMPM 2.48 221 (P) 52 45.51 0.2
 ORV 2.78 172 (P) 52 49.14 -0.4
 S.D. = 0.6 on 11 of 11 obs.

* SEP 23, 1993 04h 16m 09.84± 0.66s
 22.078 S ± 7.3km 179.297 W ±14.3km
 DEPTH = 585.0 ± 9.3 km
 5.0mb (12 obs.)
 SOUTH OF FIJI ISLANDS (171)

SVA 4.47 331 iPc 17 38.90 0.7
 VUN 4.56 332 iP 17 28.30 -10.6X
 KRO 4.90 345 ePc 17 41.30 -0.3
 TVI 5.17 352 ePc 17 43.80 0.0
 NDE 5.62 346 eP 17 47.40 -0.2
 UDU 5.93 354 eP 17 50.10 -0.1
 DZM 13.22 267 iPc 19 01.60 0.8
 iS 21 28.90
 PUZ 16.08 187 eP 19 28.40 -0.1
 WLZ 16.34 194 eP 19 33.80 2.8
 URZ 16.42 190 eP 19 30.80 -1.0
 NOZ 16.64 187 eP 19 35.10 1.2
 MNG 19.01 192 eP 19 54.00 -2.3
 THZ 20.70 197 eP 20 11.20 -0.7
 LTZ 21.82 197 eP 20 20.10 -1.9
 WVZ 22.53 199 eP 20 27.50 -0.8
 LMZ 23.57 201 eP 20 36.60 -1.1
 ARMA 27.31 246 iPd 21 12.20 1.3
 0.3s 29.00nm 5.4mb
 CNB 30.35 237 iPd 21 38.90 2.0
 0.7s 57.00nm 5.3mb

CAN 30.64 237 iPd 21 40.60 1.3
 BWA 30.85 239 iPd 21 40.20 -0.9
 CTA 32.17 267 iPd 21 53.00 0.8
 0.4s 753.39nm 6.7mb X
 TOO 34.00 235 iPd 22 08.70 1.2
 STK 36.03 246 iPd 22 25.60 1.4
 0.5s 17.10nm 4.9mb
 QIS 38.24 264 eP 22 41.60 -0.8
 ASPA 43.00 259 iPd 23 20.30 -0.2
 0.6s 76.00nm 5.4mb

eS 29 02.90
 eScS 32 17.10
 WR2 43.18 264 iPc 23 21.30 -0.6
 1.0s 72.70nm 5.2mb
 eScP 27 57.20
 eS 29 01.40

MTN 48.00 272 iPc 23 57.90 -0.9
 GUA 49.85 312 eP 24 12.20 -0.2
 0.8s 59.70nm 5.2mb
 GUMO 49.91 312 eP 24 11.50 -1.3
 COOL 53.49 247 eP 24 37.50 -1.2
 MBL 56.25 259 iPd 24 57.00 -0.9
 0.3s 25.00nm 5.0mb

KLB 56.30 246 eP 24 57.50 -0.6
 NWAO 56.59 244 eP 24 59.20 -0.9
 BAL 57.32 247 iPd 25 04.50 -0.6
 0.4s 15.00nm 4.6mb
 MUN 57.56 245 eP 25 06.60 -0.1
 NANU 59.83 256 iPd 25 22.00 0.1
 CSY 62.03 206 eP 25 35.90 0.3
 0.7s 11.30nm 4.3mb
 SPA 68.05 180 iPc 26 14.70 1.3
 0.7s 39.06nm 5.0mb
 MAT 70.78 325 eP 26 28.00 -1.6
 0.8s 5.22nm 4.1mb
 CHTO 89.65 290 ePd 28 09.40 2.0
 1.0s 17.50nm 4.9mb

NB2 140.38 352 PKP 34 26.40 -7.6X
 0.8s 2.50nm
 EKA 146.67 4 PKPc 34 46.80 2.0
 1.0s 9.90nm
 KSP 148.81 341 iPKPd 34 53.20 4.9X
 SPC 148.82 335 e(PKP) 34 52.50 3.9X
 WIT 148.98 353 ePKP 34 54.00 5.6X
 CLL 149.29 345 iPKPd 34 54.00 5.0X

0.9s 25.00nm
 BRG 149.45 343 iPKPd 34 54.40 5.1X
 0.9s 22.00nm
 e 35 01.50
 WTS 149.76 352 ePKP 34 55.50 5.9X
 0.8s 27.30nm
 PSZ 149.97 334 e(PKP) 34 55.50 5.3X
 PRU 150.08 342 PKP 34 55.60 5.4X
 0.7s 14.40nm
 e 35 04.60

MOX 150.23 346 iPKPd 34 53.30 2.8X
 1.3s 16.00nm
 e 35 04.50
 ZST 150.82 337 ePKP 35 07.60 16.2X
 ENN 151.08 353 ePKP 34 58.00 6.3X
 1.0s 10.00nm
 e 35 08.00

KHC 151.13 342 ePKP 34 58.50 6.6X
 0.9s 6.00nm
 e 35 09.40
 GRF 151.21 346 ePKP 34 58.50 6.5X
 e 35 09.50
 GEC2 151.35 342 PKP 34 58.80 6.5X
 1.0s 4.84nm
 e 35 09.80
 S.D. = 1.2 on 40 of 56 obs.

? SEP 23, 1993 04h 22m 09.74± 4.71s
 31.439 S ±28.3km 69.003 W ±41.2km
 DEPTH = 117.8 ± 28.7 km
 SAN JUAN PROVINCE, ARGENTINA (137)

RTCB 0.18 105 iPd 22 26.50 -0.1
 S 22 38.00
 ZON 0.30 111 iPd 22 16.00 -11.0X
 CFA 0.67 105 iPc 22 29.10 0.1
 S 22 42.20
 RTPR 2.42 63 ePc 22 49.10 0.1
 RFA 3.35 172 ePc 23 01.50 0.0
 S 23 40.50
 TCA 3.77 90 iPd 23 07.00 -0.2
 S 23 48.00
 S.D. = 0.3 on 5 of 6 obs.

SEP 23, 1993 04h 52m 30.69± 0.30s
 43.663 N ± 4.9km 16.942 E ± 4.6km
 DEPTH = 9.3 ± 2.5 km
 NORTHWESTERN BALKAN REGION (383)
 MD 3.8 (TRI). ML 3.6 (TIR),
 3.5 (VIE), 3.5 (ZAG). Felt
 (IV) at Makarska, Croatia.

HVAR 0.60 217 iPgD 52 43.30 0.5
 iSg 52 55.90
 BRY 1.40 123 iPgC 52 54.68 -1.7
 iSg 53 15.22
 HCY 1.67 136 iPgC 52 59.60 -0.5
 iSg 53 23.63

NKY 1.73 119 iPgC 53 01.40 0.3
 iSg 53 26.19
 PLE 1.82 100 iPnd 53 02.55 0.1
 iSn 53 27.18
 BDV 1.95 134 iPnd 53 04.25 -0.1
 iSn 53 31.42

TTG 2.10 125 iPnc 53 07.04 0.7
 iSn 53 35.05
 VBY 2.20 327 iPnc 53 07.60 -0.3
 i 53 14.00
 iSg 53 39.50

ZAG 2.26 343 iPn 53 07.50 -1.2
 iSg 53 40.70
 IVA 2.30 109 iPnc 53 09.96 0.6
 iSn 53 40.02
 PTJ 2.34 343 iPn 52 08.40 -61.6X
 iSn 52 36.90

PTJ 2.34 343 iPnd 53 08.40 -1.6
 iSn 53 36.90
 iSg 53 42.60
 ULC 2.40 134 iPnc 53 11.02 0.2
 iSn 53 42.51

PVY 2.46 115 iPnd 53 12.09 0.4
 iSn 53 43.60
 SDA 2.48 130 ePn 53 14.80 3.0X
 iSn 53 52.80

RIY 2.48 313 iPnc 53 12.30 0.4
 iSn 53 45.50
 BCI 2.63 118 iPnd 53 15.00 0.9

23d 04h

CEY	2.74	320	iSn	53	50.40		ULC	0.53	167	iSg	21	46.20		GMO	2.25	20	P	06	15.08	0.2			
			ePn	53	16.50	0.8				iPg	21	38.07	-2.2	BPO	2.33	6	P	06	16.86	0.7			
			eSn	53	56.00					iSg	21	46.40		MPOR	2.45	333	P	06	18.65	1.0			
LACI	2.88	134	ePn	53	22.50	5.0X	BRY	0.59	316	iPg	21	41.46	-0.1				S	06	51.75				
			iSn	54	09.00					iSg	21	51.37		SSOR	2.55	353	P	06	18.92	-0.1			
LJU	2.93	325	ePn	53	19.00	0.7	PVY	0.66	79	iPg	21	41.41	-1.4				S	06	55.73				
			ePg	53	27.50					iSg	21	51.73		VBEM	2.75	6	P	06	24.87	2.9X			
			eSg	54	06.50		IVA	0.71	56	iPg	21	43.05	-0.6	CROR	2.76	15	P	06	22.24	0.2			
TRI	3.05	313	ePn	53	20.00	0.1				iSg	21	53.93		ORV	2.80	172	eP	06	22.28	-0.3			
			ePg	53	28.20		PLE	0.88	14	iPg	21	46.67	0.1	GT2	2.83	356	P	06	24.95	1.9			
			eSn	53	57.60					iSg	21	59.97		VGB	3.31	15	(P)	06	32.30	2.5X			
			e(Sb)	54	09.10		LACI	0.96	151	ePg	21	50.00	2.2	S.D. = 0.8 on 28 of 30 obs.									
			eSg	54	13.30		PHP	1.28	128	ePg	21	53.10	-0.2	SEP 23, 1993 06h 21m 10.46± 0.18s									
TIR	3.17	136	ePn	53	30.50	8.9X	OHR	1.87	136	ePn	22	03.50	1.6	42.283 N ± 1.6km 121.957 W ± 2.9km									
			iSn	54	16.00		KNT	3.13	114	eP	22	34.84	15.0X	DEPTH = 5.0km (geophysicist)									
VOY	3.21	319	ePn	53	22.70	0.4				eS	22	46.76		4.3mb (6 obs.)									
			e	53	32.50		SOH	3.60	116	eP	22	27.40	0.9	OREGON (32)									
			eSg	54	07.50		PAIG	4.30	125	eP	22	27.74	-8.7X	ML 4.1 (GS). MD 4.0 (SEA). Felt									
PHP	3.25	126	ePn	53	22.60	-0.2	S.D. = 1.2 on 14 of 16 obs.						at Klamath Falls.										
			iSn	54	10.60		* SEP 23, 1993 05h 37m 51.38± 1.48s						LHEM	0.68	197	P	21	23.30	-0.8				
SKO	3.72	116	ePn	53	31.50	2.1	45.859 N ± 10.9km 14.937 E ± 10.5km						LASM	0.74	157	P	21	24.82	-0.5				
			e	53	40.50		DEPTH = 10.0km (geophysicist)						LMPM	0.81	191	P	21	25.60	-1.2				
VLO	3.72	148	ePn	53	45.60	16.2X	NORTHWESTERN BALKAN REGION (383)						LBFM	0.94	177	eP	21	28.04	-0.9				
TPE	4.07	145	ePn	53	46.00	11.6X	MD 2.6 (LJU).						LPDM	1.10	170	P	21	31.36	-0.4				
KBA	4.25	325	iPnd	53	37.30	0.1				LJU	0.34	303	ePg	37	58.50	0.2	DBO	1.26	312	P	21	32.32	-2.1
			i	54	35.90								eSg	38	02.60		LBKM	1.31	204	P	21	32.40	-2.9X
			i(Sg)	54	57.80		CEY	0.38	252	ePg	37	59.40	0.3				S	21	56.30				
SRO	4.26	13	i(Pn)	53	43.20	6.1X							eSg	38	04.80		LHCM	1.51	167	P	21	38.40	0.1
			e	54	40.30								eSg	38	00.00	0.1	LGPM	1.52	206	eP	21	36.69	-1.7
LSK	4.45	141	ePn	53	38.00	-1.9	VBV	0.42	148	iPg	38	00.00	0.1				NCOR	1.54	23	Pc	21	39.06	0.2
ZST	4.54	1	i(P)	53	37.60	-3.4X				iSg	38	06.60		HBO	1.58	350	P	21	38.86	-0.5			
PSZ	4.73	25	iPn	53	39.20	-4.7X	RIY	0.64	217	e(Pg)	38	04.10	-0.2				WDC	1.76	195	eP	21	41.37	-0.4
BHG	4.96	326	iPnc	53	47.70	0.7				iSg	38	13.70					LCFM	1.82	170	P	21	43.82	0.8
WTTA	5.18	316	iPnd	53	51.10	0.7	VOY	0.75	284	iPg	38	05.80	-0.3				TCO	1.84	8	P	21	43.05	-0.1
			iSn	54	55.00		S.D. = 0.3 on 5 of 5 obs.						LDBM	1.85	176	P	21	44.25	1.0				
			iSg	55	24.50		* SEP 23, 1993 05h 49m 52.74± 0.85s						KHBM	1.88	211	P	21	43.72	0.0				
OGA	5.26	310	ePn	53	51.10	-0.5	37.927 N ± 10.2km 21.899 E ± 9.0km						KRPM	1.91	235	P	21	45.22	1.2				
WATA	5.26	316	iPnc	53	51.50	0.0	DEPTH = 10.0km (geophysicist)						LHKM	1.92	164	P	21	45.27	1.0				
SQTA	5.38	313	iPnc	53	53.50	0.4	SOUTHERN GREECE (368)						KGMM	2.00	221	P	21	46.12	0.7				
			iSg	55	36.10		ML 3.1 (ATH).						FBO	2.08	348	P	21	45.81	-0.6				
MOTA	5.51	314	iPnc	53	54.70	-0.3										S	22	14.24					
			iSn	54	58.40		VLS	1.06	284	ePg	50	12.10	-0.7	RNO	2.09	322	P	21	46.71	0.1			
			iSg	55	38.50		ATH	1.44	88	ePb	50	17.70	-1.1	FHC	2.12	226	eP	21	47.32	0.2			
GEC2	5.65	338	Pn	53	54.30	-2.6X	VLI	1.46	145	ePb	50	20.00	0.8	GMO	2.28	18	P	21	49.50	0.1			
			Sn	54	55.10		KZN	2.38	358	ePb	50	32.80	0.4				S	22	22.87				
PGF	5.92	262	Pn	54	00.10	-0.6	KEK	2.42	318	ePn	50	33.00	0.0	KCRM	2.32	218	P	21	50.66	0.6			
KHC	5.94	338	ePn	53	56.00	-4.9X	OHR	3.29	345	e(Pn)	50	46.00	0.6	BPO	2.38	5	P	21	50.95	0.0			
			e	54	11.00		S.D. = 1.0 on 6 of 6 obs.						KMPM	2.48	222	eP	21	51.73	-0.5				
			eSn	55	05.50		SEP 23, 1993 06h 05m 36.30± 0.29s						MPOR	2.51	333	P	21	52.92	0.3				
			e	55	16.50		42.329 N ± 2.1km 122.014 W ± 5.2km						KBBM	2.53	215	P	21	54.16	1.3X				
PRU	6.54	346	ePn	54	15.50	6.2X	DEPTH = 5.0km (geophysicist)						SSOR	2.60	352	ePc	21	53.48	-0.5				
			eSn	55	33.50		OREGON (32)									S	22	32.50					
			e	56	02.00		ML 3.1 (GS). MD 2.6 (SEA).						OGOM	2.64	174	P	21	56.20	1.8X				
SBF	6.89	275	Pn	54	12.80	-1.5X							KSM	2.68	219	P	21	56.10	1.0				
			Sn	55	24.20		LHEM	0.72	192	P	05	51.22	0.6	ORV	2.75	173	eP	21	56.90	0.9			
FRF	7.47	273	Pn	54	20.80	-1.6X	LGMM	0.74	170	P	05	51.40	0.3	CROR	2.79	14	P	21	56.72	0.1			
LPG	7.50	288	Pn	54	19.50	-3.7X	LMHM	0.80	160	P	05	52.54	0.1	VBEM	2.79	5	P	21	56.77	0.0			
			Sn	55	37.20		LASM	0.80	156	P	05	51.84	-0.6	GT2	2.88	356	P	21	58.23	0.3			
LPL	7.52	288	Pn	54	20.00	-3.3X	LMPM	0.85	188	P	05	52.14	-1.1	GCBM	3.13	203	P	22	05.07	3.7X			
			Sn	55	38.30		LBFM	0.99	175	eP	05	55.56	-0.1	VLL	3.19	4	P	22	03.04	0.8			
LMR	7.59	271	Pn	54	22.00	-2.1X							GWKM	3.25	187	P	22	05.98	2.8X				
LRG	7.69	272	Pn	54	24.00	-1.4X	LGBM	0.99	188	P	05	56.02	0.3	TKO	3.27	341	P	22	04.08	0.6			
BSF	8.23	304	Pn	54	29.20	-3.9X	LPDM	1.16	168	P	05	58.75	0.3	GARM	3.33	184	P	22	04.59	0.3			
CDF	8.23	309	Pn	54	30.50	-2.6X	DBO	1.20	312	P	05	58.32	-0.9	VGB	3.34	14	eP	22	04.57	0.1			
HAU	8.57	304	Pn	54	34.70	-3.2X							AFRM	3.52	172	P	22	09.46	2.6X				
LBF	9.72	294	Pn	54	50.10	-3.5X	LBKM	1.34	202	P	06	01.13	-0.4	JBO	3.53	25	P	22	07.63	0.6			
SMF	9.72	292	Pn	54	50.00	-3.7X	HSO	1.43	327	P	06	01.89	-1.2	KMOR	3.53	342	P	22	07.77	0.7			
LOR	9.87	296	Pn	54	51.90	-3.9X							GULW	3.65	4	P	22	10.95	2.1X				
AVF	10.08	293	Pn	54	54.90	-3.7X							MTMW	3.75	357	P	22	10.48	0.2				
BGF	10.38	291	Pn	54	59.20	-3.5X							GL2	3.77	12	P	22	11.00	0.5				
MAF	10.51	289	Pn	55	00.60	-3.9X							ASR	3.88	4	P	22	14.22	2.1X				
S.D. = 0.9 on 30 of 57 obs.												SHW	3.91	357 (P)		22	12.77	0.1					
SEP 23, 1993 05h 21m 29.56± 0.56s												FL2	3.92	356	P	22	13.22	0.4					
42.478 N ± 4.9km 19.093 E ± 5.2km												SOSW	3.95	358	P	22	13.45	0.2					
DEPTH = 10.0km (geophysicist)												ERK	4.03	356	P	22	14.43	0.2					
NORTHWESTERN BALKAN REGION (383)												HMR	4.13	178 (P)		22	16.45	1.0					
TTG	0.13	111	iPg	21	33.04	0.3	KSXM	1.47	251	Pd	06	03.62	0.0	PRW	4.25	22	P	22	19.67	2.3X			
			iSg	21	36.02		KOMM	1.50	226	P	06	05.23	1.2	GLK	4.29	3	P						

23d 06b

LNOR	4.46	35	P	22	21.24	1.0
LON	4.47	1	eP	22	20.94	0.5
WIW	4.57	24	P	22	22.54	0.8
MDW	4.61	19	P	22	23.14	0.8
MJ2	4.66	23	P	22	23.81	0.7
GBL	4.67	22	P	22	23.81	0.6
WAH2	4.79	20	P	22	25.60	0.6
ET3	4.81	26	P	22	25.38	0.2
CRF	4.90	21	P	22	26.67	0.2
ARN	4.94	176	eP	22	27.78	0.6
BONR	5.15	146	eP	22	30.78	0.4
MEMM	5.16	152	eP	22	32.41	2.2X
RMW	5.18	1	(P)	22	31.53	1.0
MMPM	5.18	153	eP	22	32.83	2.0X
GMW	5.30	354	(P)	22	33.86	1.7X
MRCM	5.31	149	eP	22	34.87	2.2X
SAO	5.53	176	eP	22	34.94	-0.5
TNP	5.55	138	(P)	22	37.93	2.0X
MTUM	5.57	151	(P)	22	38.59	2.3X
DPW	6.19	24	eP	22	43.82	-0.9
HVU	6.86	91	(P)	23	02.90	8.6X
NEW	6.88	28	eP	22	53.64	-0.9
TFNV	6.91	139	eP	22	56.72	1.6
			eS	24	49.72	
MCMT	7.09	66	eP	22	56.10	-1.5
HHAI	7.12	79	(P)	23	02.54	4.6X
ISA	7.14	157	eP	22	59.80	1.6
DUG	7.20	104	(P)	23	01.02	1.9X
			eS	24	58.89	
HBMT	7.59	59	eP	23	02.00	-2.7X
BGMT	7.76	64	eP	23	06.40	-0.6
TPMT	7.87	68	eP	23	15.30	6.7X
ARUT	7.93	122	eP	23	10.77	1.5
GSC	8.05	148	(P)	23	12.84	2.0X
DAU	8.27	99	eP	23	16.73	2.5X
MSU	8.36	114	eP	23	16.73	1.3
HRV	8.48	55	eP	23	16.00	-1.0
MEMT	8.59	64	eP	23	17.90	-0.8
SXM	8.63	60	eP	23	18.60	-0.6
SSK	8.73	156	eP	23	25.13	4.7X
BW06	9.17	83	eP	23	29.00	2.3X
PV09	10.49	107	(P)	23	45.15	0.3
PV10	10.61	107	(P)	23	47.39	1.0
GOL	12.80	96	eP	24	21.02	5.0X
	1.1s	10.24nm			5.0mb	X
TUC	13.34	135	eP	24	27.35	4.3X
	1.0s	11.42nm			4.9mb	X
ALQ	14.15	116	(P)	24	34.08	0.2
	1.2s	8.87nm			4.4mb	
WMOK	19.60	105	eP	25	39.90	-2.6
	1.0s	20.89nm			4.4mb	
LTX	19.62	125	eP	25	41.52	-1.3
YKA	20.71	10	eP	25	54.30	0.4
	0.8s	4.60nm			3.9mb	
TUL	21.23	99	iP	25	56.50	-3.0X
UYO	23.00	102	iPc	26	17.00	-0.1
MIAR	23.47	100	eP	26	20.37	-1.2
	0.8s	6.13nm			4.2mb	
MYNC	30.21	91	eP	27	22.09	-2.0
	1.0s	16.07nm			4.8mb	
ARE	74.66	130	eP	32	53.00	-0.2
LPZA	76.48	127	Pc	32	01.60	-2.3
SIV	80.58	122	P	33	23.90	-1.7
GEC2	81.22	28	P	33	27.40	-1.3
	1.3s	1.75nm			3.9mb	
GQP	98.70	298	iP	34	51.00	-1.3
S.D. = 0.9 on 87 of 118 obs.						

* SEP	23	1993	06h 23m	10.19±	2.03s	
	38.473	S	±14.4km	175.758	E ±	8.9km
DEPTH = 200.0 ± 16.9 km						

DIW	2.72	211	P	23	57.40	0.4
MRW	2.87	196	P	23	58.80	0.1
			eS	24	32.70	
BLW	2.90	184	P	23	58.60	-0.5
TCW	2.97	202	P	24	00.00	0.2
MOW	2.97	187	P	23	59.70	-0.2
QRZ	3.43	226	eP	24	05.50	0.1
L TZ	5.06	211	eP	24	24.90	-1.1
	S.D. = 0.4	on	19	of	19 obs.	

? SEP 23, 1993	06h	33m	44.13±	1.01s		
	40.836 N ± 6.9km		28.343 E ±11.8km			
	DEPTH = 10.0km		(geophysicist)			
TURKEY						(366)
	ML 2.8 (ISK).					
CTT	0.32	12	iPg	33	50.60	-0.1
			iSg	33	55.10	
KCT	0.59	179	ePg	33	56.00	0.0
			eSg	34	03.50	
ISK	0.59	67	ePg	33	56.10	0.1
			eSg	34	04.10	
DMK	1.08	336	ePn	34	04.50	0.1
	S.D. = 0.2	on	4	of	4 obs.	

& SEP 23, 1993	06h	45m	28.40s			
	46.065 N		74.605 W			
	DEPTH = 18.0km		(geophysicist)			
SOUTHERN QUEBEC, CANADA						(447)
	<OTT-P>. mblg 3.8 (OTT), 3.5					
	(GS). Felt in the Mt. Tremblant					
	region. Felt mildly in the					
	Ottawa region. Also felt in the					
	Gatineau, St-Adele, St-Andre-					
	Avellin and St-Jovite areas.					
	Felt at Hannawa Falls, New York.					
TRQ	0.16	12	Pgc	45	32.80	-0.2
			Sg	45	35.39	
GAC	0.71	240	eP	45	42.50	0.6
GRQ	1.02	302	Pgd	45	47.30	0.0
			Sg	46	00.71	
OTT	1.03	230	Pgd	45	46.98	-0.4
			Sg	46	00.58	
MSNY	1.08	190	Pg	45	48.08	-0.2
			Sg	46	02.28	
WBO	1.16	204	Pgd	45	49.34	-0.3
			Sg	46	04.39	
BGR	1.25	172	Pg	45	50.75	-0.2
			Sg	46	07.16	
DPQ	1.41	63	Pnd	45	52.56	-0.6
			Sg	46	11.86	
PTN	1.52	190	Pn	45	55.34	0.6
RSNY	1.52	178	eP	45	55.09	0.3
			eS	46	14.82	
MOQ	1.81	114	Pn	45	59.51	0.4
			Sn	46	22.84	
CKO	1.98	269	Pn	46	01.48	0.0
			Sn	46	26.60	
LBNH	2.63	133	eP	46	10.97	0.2
BNH	2.78	121	eP	46	12.99	0.0
DAQ	2.98	49	Pnd	46	14.93	-0.8
			Sg	46	59.98	
EEO	3.15	282	Pn	46	16.85	-1.2
LMQ	3.29	62	Pn	46	18.92	-1.2
WEO	3.37	234	Pn	46	20.52	-0.6
LPQ	3.41	66	Pn	46	20.32	-1.4
WLVO	3.44	233	P	46	21.83	-0.3
			S	47	01.73	
MIM	3.99	100	ePc	46	29.08	-0.9
BINY	3.99	195	eP	46	30.14	0.1
STCO	4.33	230	P	46	30.75	-4.1
			S	47	22.43	
LSCT	4.50	167	eP	46	37.19	-0.1
CBM	4.56	77	eP	46	37.04	-1.1
ACTO	4.59	240	P	46	37.08	-1.5

LDN	5.59	240	P	47 51.10	
GSQ	5.82	58	Pn	46 51.50	-1.2
MNQ	5.93	39	Pn	46 54.50	-1.4
DLA	5.93	240	P	46 54.36	-3.0
			P	46 54.30	-3.1
			S	47 56.60	
ICQ	6.03	52	Pn	46 55.90	-2.9
SMQ	6.73	49	Pn	47 04.66	-4.0
LMN	6.83	88	eP	47 08.60	-1.6
JAQ	7.78	355	eP	47 19.50	-3.9
TBO	10.37	290	Pn	47 53.73	-5.6
	44 obs.		associated		

&	SEP	23, 1993	06h 46m 52.93s		
	60.528 N		153.108 W		
DEPTH = 137.1km					
SOUTHERN ALASKA					(2)
<AEIC>.					
NCT	0.09	69	iPc	47 10.91	0.7
			eS	47 25.44	
RDW	0.15	107	iPc	47 11.25	0.8
			eS	47 26.64	
RS2	0.19	110	iPc	47 11.21	0.7
RSO	0.19	110	eP	47 11.39	0.9
RED	0.20	123	iPc	47 11.07	0.7
			eS	47 25.86	
REF	0.20	101	eP	47 11.16	0.7
			eS	47 26.47	
DFR	0.22	73	iPc	47 11.21	0.8
			eS	47 26.11	
RDT	0.35	82	iPc	47 11.62	0.8
ILIM	0.46	171	iPd	47 12.09	-0.8
			eS	47 28.43	
INW	0.46	182	iPd	47 12.15	-0.8
			eS	47 28.24	
INE	0.47	177	iPd	47 12.18	-0.9
			eS	47 28.41	
BKG	0.68	37	iPc	47 13.42	-0.9
			eS	47 30.20	
CKL	0.77	29	iPc	47 14.16	-0.8
CKT	0.81	33	iPc	47 14.28	-0.9
BGL	0.82	25	iPc	47 14.62	-0.7
CKN	0.83	33	iPc	47 14.64	-0.7
SPU	0.83	38	iPc	47 14.31	-1.1
CP2	0.85	29	iPc	47 14.87	-0.9
			eS	47 26.94	
CRP	0.88	32	iPc	47 14.41	-1.5
			eS	47 34.52	
OPT	0.88	184	iPd	47 15.15	-0.6
PDB	0.92	217	iPd	47 14.80	-1.2
			eS	47 32.09	
NKA	0.95	76	eP	47 17.05	0.8
CGLM	0.95	34	iPc	47 15.40	-1.0
NCG	0.99	27	iPc	47 15.94	-0.9
HOM	1.14	139	eP	47 17.45	-0.6
AUL	1.16	188	iPd	47 17.60	-0.7
AUW	1.18	189	iPd	47 17.76	-0.7
AUE	1.18	187	iPd	47 17.48	-1.0
AUH	1.18	188	eP	47 17.84	-0.7
AGU	1.18	188	eP	47 17.81	-0.8
AUI	1.21	188	eP	47 17.67	-1.1
XLV	1.28	146	eP	47 18.41	-1.1
SVW	1.36	296	iPc	47 17.71	-2.7
			eS	47 38.22	
CNPM	1.38	136	eP	47 19.37	-1.2
SLKM	1.43	90	eP	47 19.45	-1.7
SUA	1.49	50	eP	47 20.69	-1.2
			eS	47 43.39	
CDD	1.63	190	iPd	47 21.84	-1.5
SKT	1.65	27	eP	47 22.47	-1.1
			eS	47 45.77	
MPA	1.85	90	eP	47 24.18	-1.7
SEW	1.87	102	eP	47 24.69	-1.4
PMS	1.88	66	P	47 24.50	-1.8
PWA	1.93	53	P	47 25.10	-1.7
SYI	1.96	169	iPd	47 25.57	-1.6
			eS	47 52.08	
PLRM	2.21	59	eP	47 27.97	-2.3
PMR	2.21	59	eP	47 27.80	-2.4
			eS	47 55.42	
CUT	2.32	35	eP	47 30.13	-1.6
PWL	2.37	80	eP	47 30.97	-1.4
			eS	47 59.54	
GHO	2.38	57	eP	47 29.93	-2.6

23d 06h

CFI	2.70	74	eP	47	33.94	-2.4	KIW	17.65	193	eP	11	53.20	-1.5	0.8s	4.52nm	4.5mb
TTA	2.78	331	iPc	47	34.52	-3.1	CAW	17.85	192	eP	11	55.70	-1.0	BW06	92.51	44 ePc 20 34.40 -0.7
KDC	2.81	173	iPd	47	34.56	-3.3	MRW	18.04	193	eP	11	57.60	-1.0	0.9s	6.92nm	4.7mb
			eS	48	08.35		TCW	18.12	194	eP	11	58.60	-0.7	GOL	93.79	48 P 20 41.34 0.3
HUR	2.96	32	eP	47	37.98	-1.9	SNZO	18.12	193	P	12	00.00	0.7	1.0s	11.28nm	4.9mb
SCM	3.09	62	eP	47	39.37	-2.3				S	15	02.00		RSSD	96.69	45 eP 20 53.16 -0.8
KTH	3.21	18	eP	47	40.76	-2.4	QRZ	18.21	199	eP	12	01.90	1.7	0.9s	3.61nm	4.7mb
TRF	3.22	23	eP	47	41.12	-2.3	THZ	18.97	197	eP	12	08.30	0.7	LMN	123.91	50 ePKP 26 17.00 -1.6
HIN	3.27	89	eP	47	42.70	-1.3	LTZ	20.09	197	eP	12	17.10	-1.0	SVE	125.57	324 ePdiff23 14.50 12.7X
VLZ	3.37	77	eP	47	42.49	-2.7	WVZ	20.80	200	eP	12	23.90	-0.7	SVE	125.57	324 ePKPc 26 21.00 -0.4
RND	3.52	33	eP	47	45.33	-1.9	MQZ	20.86	195	eP	12	23.90	-1.3	ARU	126.75	324 ePdiff23 07.00 -0.1
KLU	3.63	71	eP	47	45.65	-3.1	CTA	31.54	270	iPd	14	01.00	1.4	KAF	137.68	342 ePKP 26 44.00 -0.2
CVA	3.64	87	eP	47	46.85	-1.9	0.3s	1783.12nm					7.1mb X	NUR	139.45	342 ePKP 26 46.00 -1.4
TOA	3.70	62	P	47	47.70	-2.0	TOO	32.61	237	iPc	14	10.00	1.5	UPP	141.83	346 iPKP 26 46.20 -5.5X
DHY	3.73	44	eP	47	47.62	-2.6	STK	34.86	248	P	14	29.10	1.7	NB2	141.90	351 PKP 26 46.80 -5.1X
MCK	3.77	30	eP	47	49.14	-1.4	WR2	42.46	266	iPc	15	28.60	-0.6	0.8s	10.30nm	
SGAM	3.91	87	eP	47	48.89	-3.5	0.4s	39.50nm					5.3mb	HFS	142.37	349 ePKP 26 46.80 -5.8X
SDG	4.14	58	eP	47	53.59	-1.9		iScP	20	13.90				0.3s	5.00nm	
RAGM	4.18	88	P	47	56.20	0.2		eS	21	08.30				EKA	148.32	4 PKPc 27 06.00 3.4X
KAIM	4.38	94	P	48	00.00	1.4	WRA	42.48	266	P	15	29.50	0.1	1.0s	22.80nm	
PAX	4.38	53	eP	47	56.96	-1.8	MHA	49.52	30	eP	16	19.20	-4.0X	OJC	149.39	335 ePKP 27 09.90 5.5X
HMT	4.39	89	eP	47	57.13	-1.7		e	17	24.83				UZH	149.54	330 iPKPc 27 10.20 5.6X
NEA	4.47	23	P	47	56.70	-3.2	CSY	60.32	206	eP	17	37.70	-0.6	1.0s	80.00nm	
GLB	4.62	75	eP	48	00.10	-1.9	0.6s	13.30nm					4.5mb	i	27 17.40	
CCB	4.80	28	eP	48	01.51	-2.8	SPA	66.43	180	iPd	18	18.70	1.1	SPC	150.02	333 ePKP 27 05.20 -0.4
HDA	4.83	34	eP	48	01.75	-2.9	1.0s	45.00nm					5.0mb	i	27 11.60	
DJE	4.94	41	eP	48	03.84	-2.3	ADK	75.32	2	eP	19	07.53	-1.6	KSP	150.13	339 iPKPc 27 11.40 5.9X
MDM	4.98	25	eP	48	03.71	-3.1	0.4s	31.90nm					5.2mb	0.9s	44.00nm	
FBA	5.02	27	eP	48	04.23	-3.1	MAW	77.95	200	P	19	25.50	2.0	i	27 19.60	
WAX	5.07	86	eP	48	05.91	-2.2	YSS	78.05	335	eP	19	24.60	0.4	e	29 19.60	
GLM	5.19	28	eP	48	06.84	-2.8	SDN	80.46	11	eP	19	34.87	-1.7	WIT	150.51	352 ePKP 27 13.50 7.6X
BALM	5.30	80	eP	48	09.13	-2.0	0.6s	21.99nm					4.8mb	CLL	150.69	343 ePKP 27 06.00 -0.3
IMA	5.57	358	P	48	12.50	-2.3	BCH	81.50	46	eP	19	43.43	0.8	BRG	150.82	342 iPKPc 27 12.70 6.2X
YAH	5.63	87	eP	48	14.16	-1.6	ABL	81.87	46	eP	19	45.14	0.5	1.0s	37.00nm	
CTGM	5.79	81	eP	48	16.32	-1.6	ARN	81.88	43	eP	19	45.00	0.6	e	27 22.00	
PRP	6.08	31	eP	48	18.48	-3.3	KMPM	82.24	40	eP	19	47.00	0.9	WTS	151.29	351 ePKP 27 14.00 6.9X
85 obs. associated							PLM	82.60	49	eP	19	48.72	0.4	1.0s	55.10nm	
							PEC	82.70	48	eP	19	48.72	0.1	MOX	151.65	344 iPKPc 27 14.60 6.8X
SEP 23, 1993 06h 52m 48.47± 0.59s							0.8s	16.14nm					4.6mb	1.4s	24.00nm	
35.064 N ±10.4km 137.001 E ± 6.5km							ISA	82.84	46	ePc	19	49.58	0.3	ZST	152.07	335 e(PKP) 27 07.80 -0.6
DEPTH = 30.5 ± 5.2 km							0.9s	28.89nm					4.8mb	i	27 15.40	
EASTERN HONSHU, JAPAN (227)							83.02	43	ePc	19	50.29	0.2	0.9s	i	27 28.10	
							0.9s	21.91nm					4.7mb	ENN	152.61	352 ePKP 27 29.50 20.4X
IIDJ	0.85	61	iP+	53	03.90	-0.4	ORV	83.26	42	eP	19	51.10	-0.1	0.9s	17.90nm	
			eS	53	16.00		WDC	83.27	40	eP	19	51.44	0.2	GRF	152.63	344 ePKPc 27 16.70 7.5X
TSRJ	0.96	300	iP+	53	06.00	0.2		1.0s	25.77nm				4.7mb	e	27 30.80	
			S	53	19.50		LGPM	83.31	40	eP	19	52.37	0.8	1.2s	1.85nm	
WKYJ	1.43	234	P	53	12.10	-0.5	GSC	83.75	47	eP	19	53.95	0.1	GEC2	152.70	340 PKP 27 08.90 -0.5
			eS	53	29.10		MTUM	83.77	45	eP	19	54.64	0.6	TNS	152.74	348 ePKPd 27 17.40 8.0X
MTMJ	1.65	23	iP+	53	16.20	0.4	GLA	83.85	50	eP	19	55.43	1.1	ePKPab27	30.20	
MAT	1.77	33	iPc	53	17.50	0.0	BONR	84.29	44	eP	19	56.86	0.1	BCAO	153.84	226 iPKPd 27 06.00 -5.9X
			eS	53	41.00		TNP	85.06	45	eP	20	00.57	0.2	0.8s	11.00nm	
CHJJ	1.90	58	iP+	53	18.90	-0.5	0.9s	15.92nm					4.7mb	id	27 09.50	
TKSJ	2.67	247	iP+	53	29.70	-0.5	TUC	86.35	52	eP	20	08.61	2.1	S.D. = 1.0 on 85 of 104 obs.		
NIIJ	2.71	36	P	53	30.60	-0.2	0.9s	26.05nm					5.0mb	SEP 23, 1993 07h 09m 20.38± 0.80s		
KAKJ	2.82	65	eP	53	31.80	-0.6	BMW	86.63	35	eP	20	08.13	0.7	13.632 N ± 3.5km 60.408 W ±10.2km		
YONJ	2.90	273	iP+	53	33.00	-0.6	SHW	86.98	36	eP	20	10.31	1.1	DEPTH = 33.0km (normal)		
SHK	3.60	263	eP	53	42.50	-1.0	SLKM	87.33	14	eP	20	09.29	-1.2	WINDWARD ISLANDS (95)		
SHNJ	4.95	261	eP	54	01.80	-0.8	VGB	87.35	37	eP	20	10.98	0.0	MD 3.8 (TRN). ML 3.4 (PDF).		
OFUJ	5.48	42	eP	54	09.50	-0.6	ARUT	87.38	47	eP	20	11.79	0.4	SLW	0.64	307 eP 09 32.40 -0.6
KUMJ	5.72	246	eP	54	13.00	-0.6	GMW	87.55	35	eP	20	12.10	0.4	SLB	0.64	288 eP 09 33.92 0.8
KAGJ	6.42	235	eP	54	25.30	1.9	LON	87.56	36	eP	20	11.88	0.0	SVV	0.85	248 eP 09 35.99 0.1
BJI	17.23	293	eP	56	40.00	-8.4X	CP2	87.58	13	eP	20	10.45	-1.4	SVB	0.90	247 eP 09 36.57 0.0
FRB	79.45	11	P	05	07.50	14.6X	CRP	87.60	13	eP	20	10.00	-1.9	eS	09 57.00	
0.5s 8.20nm							RMW	88.01	35	eP	20	14.22	0.2	FCV	0.94	240 eP 09 37.05 -0.2
S.D. = 0.8 on 15 of 17 obs.							TTA	88.40	11	eP	20	14.52	-1.0	MVM	1.03	333 iPc 09 38.93 0.3
SEP 23, 1993 07h 08m 19.12± 0.40s							1.1s	9.04nm					4.5mb	S	09 52.20	
23.707 S ± 4.3km 179.930 W ± 8.2km							0.8s	19.66nm					5.0mb	S	09 39.68 0.3	
DEPTH = 524.8 ± 5.3 km								e	22	06.72				BIM	1.09	324 iPc 09 39.68 0.3
4.8mb (19 obs.)							PMR	88.54	14	eP	20	14.68	-1.3	S	09 53.80	
SOUTH OF FIJI ISLANDS (171)							0.8s	19.66nm						S	09 59.34	
SVA	5.76	345	iP	09	55.30	0.2	MSU	88.61	47	eP	20	18.02	0.8	CRM	1.22	336 iPc 09 41.54 0.4
VUN	5.87	345	iP	09	55.40	-0.7	DUG	89.08	45	eP	20	19.00	-0.2	FDF	1.31	327 iPc 09 42.73 0.2
KRO	6.39	354	eP	10	01.50	0.3	1.2s	10.62nm					4.6mb	S	09 59.34	
TVI	6.75	359	eP	10	05.00	0.3	CHTO	89.67	291	eP	20	24.00	1.9	GRW	1.91	220 eP 09 50.68 -0.6
NDE	7.12	354	eP	10	08.50	0.1	HVU	89.95	44	eP	20	23.41	0.2	MGG	2.44	339 eP 09 58.25 -0.5
UDU	7.52	360	eP	10	07.40	-4.8X	SRU	90.02	47	eP	20	23.79	0.2	S	10 23.30	
DZM	12.67	275	iPc	11	08.90	3.5X	DAU	90.21	45	eP	20	24.80	0.2	BOT	2.47	187 eP 09 59.04 -0.1
WLZ																

23d 07h

0.070 N ± 17.2 km 16.181 W ± 11.9 km
 DEPTH = 10.0km (geophysicist)
 4.9mb (11 obs.)
 NORTH OF ASCENSION ISLAND (407)

LIC 12.70 61 P 13 51.31 0.5
 0.3s 5.00nm 5.2mb
 Z 21s 2.38um
 TIC 12.91 59 P 13 53.19 -0.5
 0.2s 6.50nm 5.5mb
 KIC 13.01 61 P 13 54.61 -0.4
 0.4s 6.00nm 5.1mb
 BAO 34.95 82 iPd 17 40.20 -1.7
 1.0s 25.00nm 5.0mb
 BAO 35.07 242 eP 17 45.00 2.0
 LSZ 46.40 111 iPd 19 21.00 4.6X
 SIV 47.07 248 P 19 22.80 1.2
 CNCB 53.70 249 eP 20 12.00 -0.8
 LPAZ 53.73 250 P 20 12.10 -0.9
 SKO 53.74 34 iP 20 14.00 2.1
 LPB 53.75 249 eP 20 11.00 -1.9
 ENN 53.89 17 eP 20 13.00 0.1
 1.2s 17.20nm 4.9mb
 GRF 54.73 21 eP 20 21.00 1.9
 GEC2 54.99 24 P 20 20.10 -1.1
 1.5s 8.73nm 4.6mb
 WTS 55.24 17 eP 20 24.00 1.2
 0.8s 12.10nm 5.0mb
 ZST 55.93 26 eP 20 28.30 0.5
 EKA 56.10 9 P 20 31.40 2.5X
 1.2s 7.50nm 4.6mb
 BRG 56.71 22 eP 20 33.40 0.0
 1.5s 13.00nm 4.7mb
 CLL 56.71 21 eP 20 33.00 -0.4
 1.8s 19.00nm 4.8mb
 SPC 58.07 27 eP 20 42.80 -0.5
 MLR 58.50 34 eP 20 47.00 0.8
 LMN 62.43 324 eP 21 11.50 -1.4
 NB2 64.33 14 P 21 24.80 -0.4
 1.2s 6.90nm 4.7mb
 NUR 67.95 20 eP 22 00.00 11.7X
 KAF 69.65 20 iP 21 57.00 -1.7
 ASPA 142.67 131 iPKPc 30 21.40 -2.0X
 0.7s 8.60nm
 WR2 145.04 126 iPKPc 30 29.10 1.6
 0.7s 17.40nm
 QIS 148.77 132 iPKPc 30 40.40 6.8X
 S.D. = 1.3 on 23 of 28 obs.

* SEP 23, 1993 07h 37m 31.24 \pm 0.91s
 55.150 N \pm 20.9km 164.814 W \pm 14.7km
 DEPTH = 193.6 \pm 13.3 km
 4.1mb (3 obs.)
 UNIMAK ISLAND REGION (10)
 SDN 2.48 84 iP 38 14.62 -0.2
 CDD 7.17 54 eP 39 15.48 1.0
 AUH 7.47 51 eP 39 21.30 2.8
 SYI 7.64 58 eP 39 20.34 -0.3
 ADK 7.79 250 eP 39 21.94 -0.8
 CNPM 8.55 54 eP 39 31.88 -0.6
 RDT 8.55 46 eP 39 34.44 1.8
 BKG 8.90 43 eP 39 40.59 3.5X
 BGL 8.97 42 eP 39 42.78 4.8X
 SPU 9.05 43 eP 39 42.37 3.4X
 CGLM 9.14 42 eP 39 43.11 2.8
 SLKM 9.45 49 eP 39 44.42 0.2
 SEW 9.61 53 eP 39 45.56 -0.7
 MPA 9.82 51 iP 39 48.49 -0.5
 PMS 10.09 47 eP 39 52.21 -0.4
 PWL 10.43 50 eP 39 55.69 -1.3
 KNK 10.64 47 eP 39 59.31 -0.3
 CFI 10.82 49 eP 40 01.21 -0.8
 SML 10.88 46 eP 40 02.72 -0.1
 HIN 11.08 54 eP 40 05.10 -0.3
 SCM 11.31 47 eP 40 07.91 -0.5
 VLZ 11.43 51 eP 40 09.07 -0.7
 CVA 11.48 54 eP 40 09.30 -1.2
 SGAM 11.72 55 eP 40 12.11 -1.5
 KLU 11.76 50 eP 40 13.03 -1.1
 HMT 12.12 56 eP 40 19.30 0.6
 GLB 12.68 52 eP 40 25.38 -0.4
 CRQM 12.77 55 eP 40 27.55 0.5
 BALM 13.22 54 eP 40 33.26 0.6
 YAH 13.34 58 eP 40 35.10 0.9
 BC3 14.17 47 eP 40 44.23 -0.2
 INK 19.52 35 eP 41 44.50 -0.7
 0.5s 3.00nm 4.1mb
 KAF 62.75 354 iP 47 37.00 -0.2
 SLL 64.71 1 eP 47 49.80 -0.1
 0.4s 3.30nm 4.5mb
 WRA 90.83 235 P 50 14.90 1.6
 0.7s 0.40nm 3.6mb
 S.D. = 1.1 on 32 of 35 obs.

? SEP 23, 1993 07h 18m 22.28 \pm 8.22s
 37.336 S \pm 54.0km 177.202 E \pm 20.9km
 DEPTH = 221.3 \pm 58.8 km
 OFF E. COAST OF N. ISLAND, N.Z. (160)

URZ 0.93 184 P 18 53.10 -0.9
 S 19 12.90
 PUZ 1.11 132 P 18 55.00 -0.3
 eS 19 15.40
 WLZ 1.38 247 eP 18 57.70 0.5
 NOZ 1.44 153 P 18 58.40 0.8
 PGZ 3.36 192 P 19 18.20 0.6
 MNG 3.54 202 P 19 20.10 0.3
 eS 20 01.80
 KIW 3.95 206 P 19 24.80 0.1
 MTW 4.04 199 eP 19 25.70 -0.1
 CAW 4.12 203 P 19 26.50 -0.3
 MRW 4.35 206 eP 19 29.30 -0.3
 eS 20 18.70
 MOW 4.35 200 eP 19 29.40 -0.3
 TCW 4.49 209 eP 19 31.20 -0.1
 S.D. = 0.6 on 12 of 12 obs.

SEP 23, 1993 07h 20m 40.41 \pm 0.99s
 39.114 S \pm 5.7km 174.749 E \pm 5.7km
 DEPTH = 260.4 \pm 10.0 km
 NORTH ISLAND, NEW ZEALAND (159)

MOZ 0.61 4 P 21 14.40 -0.5

CNZ 0.63 98 P 21 14.80 -0.3
 NGZ 0.66 96 P 21 15.00 -0.3
 NRZ 0.67 250 P 21 15.30 0.2
 BSZ 0.70 168 P 21 15.40 0.3
 WAHZ 1.37 116 Pd 21 19.10 -0.1
 WLZ 1.41 28 P 21 19.80 0.5
 MNG 1.61 160 P 21 20.70 -0.1
 S 21 46.50
 KIW 1.75 176 P 21 21.80 -0.2
 DIW 1.80 200 P 21 22.60 0.2
 PAHZ 1.81 83 P 21 22.60 0.1
 TEHZ 1.82 119 P 21 22.80 0.3
 CAW 2.01 173 P 21 24.10 0.0
 URZ 2.03 66 P 21 23.70 -0.6
 eS 21 52.30
 MRW 2.12 181 P 21 25.10 0.0
 S 21 54.70
 MTW 2.12 164 P 21 24.90 -0.2
 TCW 2.13 190 P 21 25.50 0.3
 WEL 2.17 180 eP 21 25.40 -0.2
 BLW 2.32 166 P 21 27.00 0.0
 MOW 2.34 171 P 21 27.10 -0.1
 QRZ 2.42 224 P 21 27.70 -0.2
 NOZ 2.61 80 P 21 30.40 0.5
 PUZ 2.94 70 P 21 33.20 -0.1
 THZ 3.00 207 P 21 34.30 0.4
 LTZ 4.12 206 P 21 46.80 0.3
 MQZ 4.85 198 eP 21 54.70 -0.5
 WVZ 4.99 216 eP 21 56.70 -0.1
 S.D. = 0.3 on 27 of 27 obs.

* SEP 23, 1993 07h 37m 31.24 \pm 0.91s
 55.150 N \pm 20.9km 164.814 W \pm 14.7km
 DEPTH = 193.6 \pm 13.3 km
 4.1mb (3 obs.)

UNIMAK ISLAND REGION (10)
 SDN 2.48 84 iP 38 14.62 -0.2
 CDD 7.17 54 eP 39 15.48 1.0
 AUH 7.47 51 eP 39 21.30 2.8
 SYI 7.64 58 eP 39 20.34 -0.3
 ADK 7.79 250 eP 39 21.94 -0.8
 CNPM 8.55 54 eP 39 31.88 -0.6
 RDT 8.55 46 eP 39 34.44 1.8
 BKG 8.90 43 eP 39 40.59 3.5X
 BGL 8.97 42 eP 39 42.78 4.8X
 SPU 9.05 43 eP 39 42.37 3.4X
 CGLM 9.14 42 eP 39 43.11 2.8
 SLKM 9.45 49 eP 39 44.42 0.2
 SEW 9.61 53 eP 39 45.56 -0.7
 MPA 9.82 51 iP 39 48.49 -0.5
 PMS 10.09 47 eP 39 52.21 -0.4
 PWL 10.43 50 eP 39 55.69 -1.3
 KNK 10.64 47 eP 39 59.31 -0.3
 CFI 10.82 49 eP 40 01.21 -0.8
 SML 10.88 46 eP 40 02.72 -0.1
 HIN 11.08 54 eP 40 05.10 -0.3
 SCM 11.31 47 eP 40 07.91 -0.5
 VLZ 11.43 51 eP 40 09.07 -0.7
 CVA 11.48 54 eP 40 09.30 -1.2
 SGAM 11.72 55 eP 40 12.11 -1.5
 KLU 11.76 50 eP 40 13.03 -1.1
 HMT 12.12 56 eP 40 19.30 0.6
 GLB 12.68 52 eP 40 25.38 -0.4
 CRQM 12.77 55 eP 40 27.55 0.5
 BALM 13.22 54 eP 40 33.26 0.6
 YAH 13.34 58 eP 40 35.10 0.9
 BC3 14.17 47 eP 40 44.23 -0.2
 INK 19.52 35 eP 41 44.50 -0.7
 0.5s 3.00nm 4.1mb
 KAF 62.75 354 iP 47 37.00 -0.2
 SLL 64.71 1 eP 47 49.80 -0.1
 0.4s 3.30nm 4.5mb
 WRA 90.83 235 P 50 14.90 1.6
 0.7s 0.40nm 3.6mb
 S.D. = 1.1 on 32 of 35 obs.

? SEP 23, 1993 08h 10m 00.85 \pm 1.05s
 39.156 N \pm 7.9km 27.593 E \pm 12.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

IZM 0.80 199 ePg 10 16.40 0.0
 eSg 10 29.10
 EZN 1.19 305 ePn 10 23.00 0.0
 EDC 1.21 10 ePn 10 23.20 -0.1
 KCT 1.24 28 iPn 10 24.00 0.1
 S.D. = 0.2 on 4 of 4 obs.

? SEP 23, 1993 08h 29m 11.90 \pm 1.02s
 44.019 N \pm 7.1km 7.940 E \pm 8.9km
 DEPTH = 5.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.3 (GEN).

IMI 0.11 199 P 29 14.47 0.1
 S 29 16.19
 FIN 0.27 45 P 29 17.24 -0.2
 S 29 20.85
 ROB 0.28 350 P 29 17.86 0.3
 S 29 21.85
 ENR 0.43 299 P 29 20.29 -0.2
 S.D. = 0.4 on 4 of 4 obs.

? SEP 23, 1993 08h 50m 14.27 \pm 4.16s
 40.606 N \pm 36.1km 23.004 E \pm 9.1km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 1.4 (THE).

THE 0.04 311 iPg 50 16.28 0.0
 eSg 50 17.04
 SOH 0.34 51 ePg 50 21.36 0.0
 eSg 50 27.32
 KNT 0.56 352 iPg 50 25.66 0.0
 eSg 50 33.60
 GRG 0.58 308 ePg 50 26.00 0.0
 eSg 50 34.40
 S.D. = 0.1 on 4 of 4 obs.

? SEP 23, 1993 08h 54m 48.97 \pm 2.56s
 18.524 N \pm 11.5km 147.017 E \pm 69.3km
 DEPTH = 33.0km (normal)
 4.2mb (3 obs.)
 MARIANA ISLANDS REGION (215)

GUMO 5.33 203 eP 56 08.50 0.2
 eS 57 12.40
 PJG 5.33 203 eP 56 08.20 -0.1
 GUA 5.35 203 eP 56 08.70 0.0
 MAT 19.55 338 (P) 59 17.00 0.0
 0.9s 5.88nm 3.9mb
 WR2 40.20 199 eP 02 22.70 -1.5
 0.6s 4.10nm 4.4mb
 ASPA 43.84 197 eP 02 55.30 1.4
 0.8s 4.20nm 4.3mb
 S.D. = 1.2 on 6 of 6 obs.

& SEP 23, 1993 09h 17m 46.03s
 63.242 N 150.347 W
 DEPTH = 117.5km
 CENTRAL ALASKA (1)
 <AEIC>.

TRF 0.21 7 iP 18 02.51 1.5
 eS 18 15.13
 KTH 0.41 321 iP 18 03.11 -0.4
 eS 18 15.87
 HUR 0.42 129 iP 18 03.14 -0.3
 eS 18 16.27
 RND 0.69 76 iP 18 05.01 -0.4
 eS 18 19.66
 MCK 0.80 52 iP 18 05.89 -0.4
 eS 18 20.32
 CUT 0.84 178 eP 18 06.35 -0.2
 DHY 1.36 96 iP 18 11.66 -0.6
 eS 18 31.55
 SKT 1.38 204 iP 18 11.64 -0.7
 eS 18 31.73
 NEA 1.45 22 eP 18 11.75 -1.4
 FWA 1.61 172 P 18 15.50 0.5
 GHO 1.62 155 eP 18 15.14 0.0
 eS 18 38.13
 SML 1.72 146 eP 18 15.88 -0.4
 PLRM 1.75 161 eP 18 16.67 0.0
 PMR 1.75 161 eP 18 16.13 -0.5
 SUA 1.79 186 eP 18 17.57 0.2
 CCB 1.80 37 eP 18 16.00 -1.3
 eS 18 38.57

23d 09h

MLY	1.80	355	eP	18	16.12	-1.3
HDA	1.91	51	eP	18	17.69	-0.9
SCM	1.99	134	eP	18	18.91	-0.9
FBA	2.01	33	eP	18	18.28	-1.6
NCG	2.03	205	iP	18	19.59	-0.7
KNK	2.04	153	eP	18	19.96	-0.4
			eS	18	45.29	
PMS	2.04	169	P	18	20.50	0.1
THY	2.08	83	P	18	22.50	1.6
CGLM	2.09	203	eP	18	21.12	0.0
CRP	2.16	204	eP	18	20.49	-1.5
CP2	2.17	205	eP	18	21.43	-0.8
GLM	2.18	35	eP	18	20.84	-1.4
CKN	2.20	204	eP	18	22.70	0.3
BGL	2.20	207	eP	18	22.94	0.4
SPU	2.22	202	eP	18	22.54	-0.1
CKT	2.23	204	eP	18	23.53	0.7
DJE	2.23	67	eP	18	22.37	-0.4
PAX	2.23	95	eP	18	22.59	-0.3
TOA	2.24	119	P	18	22.70	-0.3
CKL	2.25	205	eP	18	23.13	-0.1
SDG	2.31	106	eP	18	23.54	-0.4
BKG	2.36	203	eP	18	23.92	-0.6
CFI	2.39	149	eP	18	24.55	-0.3
NKA	2.54	190	eP	18	29.05	2.2
PWL	2.57	157	eP	18	26.48	-0.8
TTA	2.60	266	eP	18	25.88	-1.8
			eS	18	54.92	
KLK	2.71	128	eP	18	28.01	-1.1
SLKM	2.75	179	eP	18	29.58	0.0
MPA	2.80	170	eP	18	30.18	-0.1
VLZ	2.83	137	eP	18	29.13	-1.5
RDT	2.85	201	eP	18	31.35	0.4
DOT	2.85	79	eP	18	29.04	-2.0
DFR	2.88	204	eP	18	31.05	-0.4
REF	2.98	203	eP	18	33.01	0.2
RDW	3.01	204	eP	18	32.45	-0.7
RS2	3.01	203	eP	18	31.42	-1.9
RED	3.06	203	eP	18	32.33	-1.5
PRP	3.10	40	eP	18	34.08	-0.3
SEW	3.18	172	eP	18	34.89	-0.4
SVW	3.27	231	eP	18	35.52	-1.1
HIN	3.39	146	eP	18	36.67	-1.5
GLB	3.54	118	eP	18	39.18	-1.1
CNPM	3.75	187	eP	18	42.17	-0.9
PDB	3.92	210	eP	18	45.54	0.2
HMT	4.10	133	eP	18	45.84	-2.0
CRQM	4.21	123	eP	18	48.12	-1.4
TGL	4.33	122	eP	18	51.93	0.9
BALM	4.36	117	eP	18	49.85	-1.5
CDD	4.61	202	eP	18	55.10	0.3
SYI	4.75	193	eP	18	56.15	-0.5

66 obs. associated

SEP 23, 1993 10h 58m 12.33± 0.24s
 9.030 N ± 3.8km 121.747 E ± 4.2km
 DEPTH = 35.9km (6 depth phases)
 4.9mb (25 obs.) 4.2MsZ (5 obs.)

SULU SEA (253)

MAP	2.55	60	iPd	58	53.00	0.8
			iS	59	18.00	
CGP	2.97	101	iPd	58	58.00	-0.2
			iS	59	33.00	
CTB	3.03	127	iPd	59	00.00	0.9
			iS	59	32.00	
PLP	3.82	56	ePd	59	08.80	-1.5
			iS	59	28.00	
DAV	4.25	117	eP	59	16.40	-0.1
PGP	4.51	350	ePc	59	20.00	-0.1
			eS	00	04.00	
BIP	4.52	100	ePd	59	21.50	1.2
GQP	4.89	8	eP	59	26.00	0.5
TGY	5.10	351	ePd	59	29.00	0.4
QVP	5.61	353	eP	59	35.50	0.0
QCP	5.61	353	eP	59	22.00	-13.6X
BAG	7.42	351	eP	00	02.00	0.7
CVP	8.62	0	eP	00	18.00	0.2
QIZ	15.23	312	Pd	01	52.80	6.3X
			1.0s	77.00nm	4.9mb	
			N 11s	1.37um		
GZH	16.13	331	iPc	02	03.50	5.4X
			1.2s	110.00nm	4.9mb	
PCT	20.67	288	eP	03	01.20	9.3X
LEM	21.13	222	ePc	03	00.00	3.3X
LOE	21.17	295	eP	02	56.00	-1.1
KLI	21.77	231	eP	03	02.00	-1.0

NNT	21.91	281	eP	03	07.30	2.9X
SSE	21.96	359	Pd	03	05.20	0.4
			1.2s	89.00nm	5.1mb	
			Z 20s	0.50um	3.9MsZ	
			E 12s	0.30um		
			pP	03	16.50	45km
NST	22.11	289	eP	03	08.00	1.6
GYA	22.47	322	iPd	03	11.00	0.9
			1.0s	18.00nm	4.5mb	
			Z 16s	0.94um	4.3MsZ	
			N 16s	1.25um		
			E 16s	1.02um		
			sS	07	36.00	
WHN	22.49	343	eP	03	11.50	1.4
			Z 16s	1.18um	4.4MsZ	
NJ2	23.06	354	Pd	03	16.00	0.3
			1.0s	31.00nm	4.8mb	
			Z 12s	0.37um	4.1MsZ	
KHT	23.36	286	eP	03	19.10	0.4
BDT	23.59	293	eP	03	22.50	1.7
			0.7s	38.70nm	5.0mb	
MTN	23.65	157	eP	03	20.00	-1.4
CHTO	24.15	296	iPd	03	26.30	0.0
			1.1s	27.97nm	4.7mb	
KMI	24.16	314	eP	03	26.50	-0.1
			Z 14s	1.80um	4.7MsZ	
			N 12s	0.60um		
			E 12s	0.60um		
			pP	03	40.00	56kmX
WWKK	25.17	119	eP	03	35.60	-0.6
CD2	27.48	325	eP	03	56.50	-0.9
			Z 14s	0.63um	4.3MsZ	
XAN	27.54	337	P	03	56.50	-1.5
			1.2s	53.00nm	5.1mb	
			Z 15s	0.58um	4.3MsZ	
			N 10s	0.22um		
			E 10s	0.43um		
			pP	04	09.50	52kmX
TIY	29.77	345	eP	04	17.00	-1.0
			Z 14s	0.48um	4.3MsZ	
			E 12s	0.41um		
BJI	31.28	352	eP	04	28.00	-3.1X
			1.8s	29.00nm	4.8mb	
			Z 20s	0.36um	4.0MsZ	
			eS	09	32.00	
WR2	31.36	157	eP	04	29.40	-2.7X
			0.5s	12.90nm	5.0mb	
			i	04	39.20	35km
LZH	31.48	332	Pd	04	33.00	-0.2
			1.8s	77.00nm	5.2mb	
			Z 18s	0.49um	4.2MsZ	
			N 10s	0.28um		
			pP	04	43.50	38km
HHC	32.95	346	Pc	04	46.00	0.1
			1.2s	16.00nm	4.8mb	
BTO	33.12	344	eP	04	46.00	-1.4
			N 11s	0.17um		
			E 11s	0.19um		
QIS	34.25	149	eP	04	57.20	0.0
ASPA	34.60	160	eP	04	58.70	-1.6
			1.1s	9.20nm	4.6mb	
CN2	34.79	5	eP	05	00.60	-1.0
			0.8s	5.90nm	4.6mb	
			Z 16s	0.30um	4.1MsZ	
LSA	35.25	310	eP	05	06.90	0.6
GTA	36.06	331	Pd	05	12.50	-0.1
			2.0s	67.00nm	5.2mb	
			Z 16s	1.09um	4.7MsZ	
			N 16s	0.42um		
			pP	05	23.50	39km
MDJ	36.10	10	eP	05	12.00	-0.7
GUN	38.65	304	P	05	35.20	0.4
KKN	39.10	303	P	05	38.20	-0.2
DMN	39.18	303	P	05	38.80	-0.3
HYB	42.79	286	eP	06	19.00	10.4X
			1.0s	50.00nm		
GBA	43.64	280	P	06	15.60	0.1
			0.8s	4.50nm	4.3mb	
STK	44.89	156	iPc	06	24.10	-1.3
			0.8s	6.50nm	4.6mb	
WMQ	45.58	325	Pc	06	32.00	1.2
			1.0s	23.00nm	5.0mb	
			Z 18s	0.68um	4.6MsZ	
			N 14s	0.41um		
ADE	46.61	161	eP	06	39.50	0.5
ARMA	48.60	145	eP	06	56.10	1.3
			i	07	04.20	27km

BWA	50.07	151	eP	07	07.90	2.0
			i	07	10.40	8kmX
			i	07	16.00	
CAN	51.07	151	eP	07	13.80	0.3
			e	07	17.30	12kmX
			i	07	22.60	
CNB	51.24	151	eP	07	18.50	3.7X
			0.9s	23.00nm	5.2mb	
TOO	51.41	156	eP	07	18.70	2.7X
			i	07	25.20	22kmX
DZM	53.63	126	iPc	07	29.10	-3.8X
OBN	79.89	324	eP	10	18.00	-0.8
			1.8s	110.00nm	5.5mb	
			Z 20s	0.20um	4.5MsZ	
			E 18s	0.40um		
			e	10	28.00	32km
			e	18	44.00	
			eS	19	42.00	
KAF	84.63	332	iP	10	42.40	-0.9
			0.8s	13.70nm	5.2mb	
NUR	85.69	331	eP	10	48.00	-0.6
INK	87.06	21	eP	10	55.50	0.3
			0.7s	3.00nm	4.6mb	
NSD	87.24	336	eP	10	54.20	-1.9
			0.5s	1.40nm	4.4mb	
MLR	87.67	316	eP	11	00.00	1.2
BRG	94.05	323	iP	11	28.50	0.3
			0.9s	10.00nm	5.2mb	
GEC2	94.88	321	P	11	31.80	-0.4
			0.8s	1.15nm	4.4mb	
CNCB	167.77	130	ePKP	18	18.00	0.6
LPAP	167.97	128	PKPc	18	18.10	0.5
			S.D. = 0.9	on 57 of 69 obs.		

? SEP 23, 1993 11h 02m 11.42± 1.93s
 31.402 S ± 20.5km 69.184 W ± 22.1km
 DEPTH = 100.0km (geophysicist)

SAN JUAN PROVINCE, ARGENTINA (137)

ZON	0.46	109	iPd	02	27.00	-0.2
			eS	02	40.00	
CFA	0.83	104	iPd	02	30.60	0.2
			S	02	44.70	
RTRS	1.25	349	iPd	02	35.00	0.0
			S	02	54.30	
RTPR	2.55	65	ePc	02	51.70	-0.1
			S.D. = 0.3	on 4 of 4 obs.		

SEP 23, 1993 11h 09m 52.02± 0.68s
 40.488 N ± 6.5km 21.848 E ± 5.9km
 DEPTH = 10.0km (geophysicist)

GREECE (364)

ML 2.3 (THE).

FNA	0.47	310	iPg	10	01.74	0.2
			eSg	10	09.00	
LIT	0.					

23d 11h

LGMM 0.95 174 P 43 13.32 -0.1
 LASM 0.98 163 P 43 13.82 -0.3
 LMHM 0.99 167 P 43 14.85 0.6
 LMPM 1.06 188 P 43 15.63 0.1
 LBFM 1.20 178 eP 43 17.47 -0.3
 LGBM 1.21 188 P 43 18.03 0.0
 LBKM 1.55 200 P 43 23.31 0.0
 LGPM 1.75 202 eP 43 26.17 -0.1
 eS 43 46.93

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

* SEP 23, 1993 12h 16m 34.25± 0.97s
 28.418 S ± 8.0km 68.800 W ±16.4km
 DEPTH = 10.0km (geophysicist)
 LA RIOJA PROVINCE, ARGENTINA (138)

RTRS 1.84 198 e(P) 17 05.60 -0.5
 S 17 34.30
 CYA 2.65 91 ePd 17 14.30 -3.5X
 S 17 52.50
 RTPR 2.74 134 ePc 17 19.70 0.6
 RTLL 2.92 174 ePc 17 23.20 1.6
 S 18 05.00
 RTCB 3.06 180 ePd 17 27.50 3.9X
 S 18 11.50
 CFA 3.22 171 e(P) 17 27.80 2.0X
 S 18 15.00
 SLA 4.72 40 e(P) 17 46.50 -0.8
 ANT 4.91 342 eP 17 50.50 0.6
 RFA 6.34 178 eP 18 08.50 -1.6
 S 19 55.50

S.D. = 1.5 on 6 of 9 obs.

% SEP 23, 1993 12h 29m 28.38± 0.87s
 26.403 S ± 6.4km 27.387 E ± 8.8km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.3 (PRE).

PRY 0.53 172 eP 29 39.00 0.0
 S 29 45.00
 KSR 0.69 320 eP 29 42.00 -0.3
 S 29 51.00
 BFS 0.73 227 eP 29 43.90 0.9
 S 29 54.00
 SLR 1.04 51 eP 29 49.00 0.3
 BLF 2.90 201 eP 30 15.20 -1.0
 S.D. = 1.0 on 5 of 5 obs.

* SEP 23, 1993 12h 32m 38.43± 0.94s
 37.333 N ± 8.5km 23.214 E ±11.8km
 DEPTH = 10.0km (geophysicist)
 SOUTHERN GREECE (368)
 ML 3.4 (ATH).

VLI 0.65 200 ePg 32 51.40 0.0
 ATH 0.75 32 ePg 32 53.60 0.5
 eSg 33 06.60
 VLS 2.24 293 ePb 33 28.00 11.8X
 PRK 3.07 51 ePn 33 26.80 -1.1
 KEK 3.58 313 ePb 33 46.80 11.7X
 CIN 3.89 85 eP 33 40.00 0.5
 OHR 4.21 334 ePn 33 48.00 3.8X
 SKO 4.83 344 ePn 33 53.00 0.1
 GEC2 13.43 332 P 36 02.00 10.5X
 0.5s 0.49nm
 e 36 05.80
 e 36 11.50

S.D. = 0.9 on 5 of 9 obs.

SEP 23, 1993 12h 33m 24.89± 0.70s
 37.081 N ± 6.0km 24.038 E ± 7.5km
 DEPTH = 10.0km (geophysicist)
 4.2mb (15 obs.)
 SOUTHERN GREECE (368)
 ML 3.8 (ATH), 3.6 (THE).

ATH 0.93 344 ePg 33 42.00 -0.5
 VLI 0.95 248 ePg 33 41.00 -2.1
 VAM 1.68 175 ePb 33 56.00 1.6
 NPS 2.22 144 ePn 34 06.40 4.1X
 AGG 2.36 326 ePn 34 03.18 -1.1
 eSn 34 32.86
 PRK 2.79 38 ePb 34 18.00 7.7X
 PAIG 2.86 354 ePn 34 10.42 -0.9
 eSn 34 45.02
 IZM 2.87 62 ePn 34 11.70 0.1

VLS 2.95 293 ePg 34 16.00 3.4X
 OUR 3.25 359 ePn 34 17.10 0.2
 LIT 3.25 339 ePn 34 15.90 -1.0
 eSn 34 54.05
 EZN 3.28 33 ePn 34 28.50 11.2X
 THE 3.64 347 iPn 34 21.57 -0.9
 KZN 3.68 332 ePn 34 21.70 -1.4
 SOH 3.77 352 ePn 34 24.22 -0.2
 SRS 4.05 355 ePn 34 26.55 -1.6
 GRG 4.07 342 ePn 34 27.38 -1.2
 ALN 4.12 22 iPn 34 29.18 0.0
 KNT 4.17 348 ePn 34 28.50 -1.4
 eSn 35 16.50

SRN 4.22 313 ePn 34 30.90 0.2
 FNA 4.24 332 ePn 34 29.66 -1.3
 KEK 4.24 310 ePb 34 36.00 5.0X
 BNT 4.46 42 ePn 34 34.00 -0.1
 TPE 4.50 317 ePn 34 44.50 9.9X
 OHR 4.75 329 ePn 34 39.70 1.5
 VLO 4.90 315 ePn 34 40.10 -0.2
 SKO 5.28 338 ePn 34 47.00 1.3
 TIR 5.35 324 ePn 34 49.20 2.5
 PHP 5.38 330 ePn 34 47.00 -0.1
 DMK 5.54 30 ePn 34 46.00 -3.4X
 LACI 5.65 325 ePn 34 53.50 2.6
 SDA 6.08 326 ePn 34 58.20 1.3
 CMP 8.21 5 ePc 35 31.00 4.1X
 MLR 8.52 9 eP 35 30.00 -1.3
 PTJ 10.69 328 eP 35 57.10 -4.0X
 GEC2 13.97 331 Pn 36 50.20 5.2X
 LPG 15.45 308 eP 37 10.40 5.6X
 0.7s 5.20nm 3.9mb

BRG 15.56 336 eP 37 11.60 5.8X
 GRF 15.64 328 eP 37 08.00 1.1
 BSF 16.62 316 eP 37 19.50 0.1
 0.8s 5.90nm 3.8mb
 LBF 17.84 310 eP 37 38.50 3.8X
 0.8s 5.10nm 3.7mb
 SSF 18.17 310 eP 37 40.50 1.8
 0.9s 10.00nm 4.0mb
 OBN 19.96 21 eP 38 04.00 4.2X
 1.1s 20.00nm 4.4mb
 MFF 20.31 306 eP 38 05.20 1.7
 0.8s 5.90nm 4.0mb
 LDF 21.03 311 eP 38 08.30 -2.7X
 0.7s 8.95nm 4.2mb
 GRR 21.40 310 eP 38 12.50 -2.2
 0.9s 9.65nm 4.2mb
 NUR 23.45 1 eP 38 37.00 2.1
 HFS 24.00 347 eP 38 36.80 -3.5X
 0.4s 3.80nm 4.3mb
 Z 15s 0.02um 2.8mszX

KAF 25.10 3 iP 38 52.40 1.6
 0.5s 3.30nm 4.3mb
 NB2 25.31 345 P 38 48.60 -4.4X
 0.9s 4.30nm 4.1mb
 EKA 25.95 323 Pc 38 56.20 -2.7X
 1.3s 6.10nm 4.1mb
 BAO 32.88 190 ePc 40 00.20 -1.0
 0.9s 14.00nm 4.9mb
 ic 40 05.30
 KIC 40.29 228 P 41 02.88 -1.1
 0.9s 14.00nm 4.7mb
 LIC 40.57 228 P 41 02.64 -3.6X
 0.4s 4.50nm 4.5mb

S.D. = 1.4 on 35 of 54 obs.

? SEP 23, 1993 13h 08m 52.55± 3.10s
 13.723 N ±22.4km 120.446 E ±36.5km
 DEPTH = 100.0km (geophysicist)
 MINDORO, PHILIPPINE ISLANDS (250)

PGP 0.54 114 eP 09 09.00 0.1
 eS 09 21.00
 TGY 0.61 51 ePc 09 09.00 -0.4
 eS 09 24.00
 QVP 1.05 31 eP 09 14.00 0.3
 GQP 1.95 84 ePc 09 25.00 0.0
 S.D. = 0.5 on 4 of 4 obs.

% SEP 23, 1993 14h 09m 15.20± 1.60s
 14.285 N ±24.2km 92.154 W ±12.5km
 DEPTH = 33.0km (normal)
 NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.0 (GCG).

TPX 0.62 350 iP 09 27.50 -0.1
 is 09 39.50
 TER 1.43 89 eP 09 38.85 -0.2
 eS 09 57.32
 IXG 1.65 94 eP 09 42.51 0.1
 eS 10 03.90
 YUP 2.28 92 eP 09 51.63 0.1
 SCX 2.48 349 (P) 09 46.00 -8.1X
 is 10 23.50
 IISM 6.85 314 (P) 10 56.50 0.5
 PPM 7.81 308 (P) 11 09.50 -0.5
 S.D. = 0.5 on 6 of 7 obs.

? SEP 23, 1993 14h 33m 16.85± 0.79s
 0.393 N ±25.0km 16.216 W ±15.9km
 DEPTH = 10.0km (geophysicist)
 4.9mb (5 obs.)
 NORTH OF ASCENSION ISLAND (407)

LIC 12.58 62 P 36 14.22 -4.5X
 0.3s 1.00nm 4.6mb
 S 38 27.72
 TIC 12.78 61 P 36 20.28 -1.2
 0.7s 5.50nm 4.9mb
 S 38 34.46
 KIC 12.89 62 P 36 22.98 0.0
 0.4s 6.50nm 5.1mb
 S 38 42.76
 BAO 34.94 83 ePc 40 15.00 3.6X
 0.5s 18.00nm 5.2mb
 id 40 31.00
 BAO 35.19 242 eP 40 14.80 1.2
 i 40 30.00
 SKO 53.49 35 eP 42 41.00 1.3
 LPAZ 53.81 249 P 42 41.30 -1.8
 LPB 53.83 249 eP 42 38.00 -5.0X
 GEC2 54.71 24 P 42 49.30 0.6
 0.9s 1.67nm 4.1mb
 e 42 56.70
 e 43 06.10

ZST 55.66 26 eP 43 03.80 8.4X
 LMN 62.15 324 eP 43 40.00 -0.6
 NB2 64.03 14 P 44 10.10 17.3X
 0.8s 2.70nm
 APO 64.32 16 eP 44 10.20 15.6X
 0.6s 1.00nm
 ASPA 142.91 131 ePKP 53 05.90 12.5X
 0.9s 5.10nm
 WRA 145.24 126 PKP 52 58.50 1.1
 0.8s 2.30nm
 WR2 145.26 126 ePKP 52 56.90 -0.5
 0.7s 5.90nm
 i 53 14.40

S.D. = 1.3 on 9 of 16 obs.

SEP 23, 1993 15h 02m 59.19± 0.56s
 42.279 N ± 4.1km 122.100 W ± 6.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.7 (GS), MD 2.7 (SEA).

LGMM 0.71 164 P 03 13.72 0.4
 LMHM 0.77 155 P 03 15.23 0.4
 LASM 0.78 150 P 03 14.52 -0.5
 LMPM 0.79 183 P 03 15.14 0.0
 LGBM 0.94 184 P 03 16.62 -1.1
 LBFM 0.94 170 eP 03 17.66 -0.2
 eS 03 31.48
 DBO 1.19 315 P 03 21.54 -0.3
 S 03 37.96
 LBKM 1.27 200 P 03 22.37 -0.9
 KSXM 1.40 252 P 03 25.71 0.3
 KOMM 1.42 226 P 03 26.22 0.4
 HSO 1.44 330 P 03 25.70 -0.4
 S 03 45.09
 LGPM 1.47 202 eP 03 26.04 -0.5
 eS 03 45.42
 HBO 1.57 354 P 03 28.24 0.3
 WDC 1.73 191 eP 03 29.98 -0.1
 FHC 2.04 224 (P) 03 35.74 1.0
 ORV 2.76 170 (P) 03 46.21 1.3
 S.D. = 0.7 on 16 of 16 obs.

SEP 23, 1993 17h 06m 33.07± 0.49s
 43.158 N ± 7.3km 17.810 E ± 5.2km
 DEPTH = 5.0km (geophysicist)
 NORTHWESTERN BALKAN REGION (383)

23d 17h

BRY	0.60	115	iPg	06 44.80	-0.2	Z	20s	0.50um	4.4MsZ	BALM	71.23	28	eP	27 57.77	-0.7	
			iSg	06 54.77				eS	30 28.00	NRI	71.91	341	ePc	28 06.00	3.8X	
HCY	0.87	144	iPg	06 49.64	-0.7	STK	41.58	191 iPc	24 25.80	-1.3		2.0s	32.00nm		5.0mb	
			iSg	07 04.16			0.6s	10.30nm	4.7mb	KSH	72.11	308	eP	28 05.50	1.3	
NKY	0.94	111	iPg	06 51.22	-0.3	MBL	42.38	224 eP	24 33.50	-0.2	INK	76.52	22	eP	28 28.50	-0.3
			iSg	07 06.31			0.5s	13.00nm	4.9mb		1.0s	6.00nm			4.6mb	
HVAR	1.00	272	iPg	06 52.50	0.1	BJI	43.20	321 eP	24 40.00	-0.2	SHW	81.81	45	eP	28 58.79	0.8
			iSg	07 06.00			1.6s	17.00nm	4.5mb	LGPM	81.82	50	eP	28 58.89	0.7	
BDV	1.15	139	iPg	06 54.71	-0.4	Z	18s	0.59um	4.5MsZ	RMW	82.00	43	eP	28 59.72	0.8	
			iSg	07 13.10				eS	31 02.00	LON	82.06	44	eP	28 59.63	0.4	
PLE	1.17	81	iPg	06 54.77	-0.7			eSS	34 08.00	SVE	82.23	326	ePd	29 05.90	6.1X	
			iSg	07 13.11		BWA	43.32	182 eP	24 44.20	2.9X		1.3s	60.00nm		5.5mb	
TTG	1.29	124	iPg	06 57.63	0.2	CNB	44.19	181 eP	24 48.00	-0.3	Z	20s	0.40um		4.8MsZ	
			iSg	07 17.81			0.8s	21.00nm	5.0mb	E	20s	0.20um				
IVA	1.56	100	iPnd	07 02.28	0.7	CAN	44.20	181 e(P)	24 48.70	0.3	LBFM	82.48	49	eP	29 02.68	0.9
			iSn	07 25.78				i	24 54.30		VGB	82.88	45	eP	29 04.27	0.7
ULC	1.60	138	iPnc	07 02.71	0.6	TIY	44.38	316 eP	24 50.00	0.0	ORV	82.96	51	eP	29 04.49	0.5
			iSn	07 27.17		Z	20s	0.87um	4.7MsZ	ARN	83.16	53 (P)		29 05.56	0.4	
PVY	1.69	109	iPnd	07 04.27	0.8	E	15s	0.32um		ARU	83.39	326	eP	29 05.00	-0.8	
			iSn	07 29.21				S	31 21.50	CMB	83.99	53	eP	29 09.93	0.6	
SKO	2.93	113	ePn	07 35.00	13.8X	GYA	44.66	299 P	24 54.00	1.5		0.6s	7.92nm		5.1mb	
VBV	2.98	323	ePn	07 22.20	0.4		1.0s	13.00nm	4.7mb	DPW	84.38	43	eP	29 11.56	0.5	
			iSn	07 58.70		XAN	45.28	310 P	24 57.50	0.3	YKA	84.38	28	eP	29 09.80	-0.9
OHR	3.02	132	ePn	07 31.70	9.2X		1.0s	7.10nm	4.5mb		0.9s	5.50nm			4.7mb	
PTJ	3.05	335	iP	07 27.20	4.4X	Z	15s	0.35um	4.4MsZ	BCH	84.58	55 (P)		29 13.14	0.7	
TRI	3.86	313	e(Pn)	07 44.50	10.1X	N	12s	0.30um		NEW	85.05	42	eP	29 15.04	0.6	
			e	08 19.50				pP	25 04.10	22kmX		1.0s	20.98nm		5.3mb	
			e(Sg)	08 40.70				S	31 34.00		BONR	85.63	52 (P)		29 18.18	0.3
VOY	4.01	317	ePnd	07 36.00	-0.6	HHC	46.57	319 eP	25 10.00	2.6X	ISA	85.82	55	eP	29 19.84	1.3
			e(Sn)	08 24.10		Z	18s	0.61um	4.6MsZ		1.0s	6.28nm			4.8mb	
			S.D. = 0.6 on 12 of 16 obs.					S	31 52.00	PEC	87.15	56 (P)		29 25.06	0.0	
SEP 23, 1993 17h 16m 40.64± 0.24s						TOO	46.64	185 eP	25 08.30	0.5		0.4s	7.34nm		5.3mb	
9.105 N ± 4.8km 150.219 E ± 5.0km							1.0s	32.00nm	5.2mb	GSC	87.22	55	eP	29 26.36	0.9	
DEPTH = 33.0km (normal)						KLI	47.30	255 eP	25 12.00	-1.3	PLM	87.48	57 (P)		29 27.48	0.6
5.0mb (39 obs.) 4.6MsZ (9 obs.)						BTO	47.45	318 eP	25 14.00	-0.3	MCMT	88.53	45	ePd	29 32.10	0.3
E. CAROLINE ISLANDS, MICRONESIA (614)						KMI	47.82	296 Pc	25 18.50	0.9	HHAI	89.17	46 (P)		29 36.07	1.4
							1.4s	80.00nm	5.6mb	HVU	89.18	48	eP	29 36.90	2.1	
GUA	6.82	311	eP	18 18.00	-3.0X	PCT	48.01	282 eP	25 21.10	2.2	DUG	89.47	49	eP	29 36.86	0.7
GUMO	6.88	311	eP	18 18.90	-3.0X	CD2	48.31	303 eP	25 21.40	0.3		0.6s	3.83nm		4.9mb	
			eS	18 32.60		NST	49.26	283 eP	25 29.30	0.8	DAU	90.59	49	eP	29 43.00	1.4
PJG	6.88	311	eP	18 18.80	-3.1X	NNT	49.65	279 iPc	25 32.30	0.8	LPAZ	141.96	105	PKPc	36 07.40	-5.4X
KVG	11.63	177	eP	19 22.20	-5.2X	LZH	49.90	310 eP	25 35.00	1.6	CNCB	142.05	106	ePKP	36 09.00	-3.8X
PMG	18.64	189	eP	20 59.00	1.0		1.5s	64.00nm	5.4mb	MOCB	143.44	113	PKP	36 10.90	-4.1X	
DAV	24.48	267	eP	21 58.80	0.6	Z	20s	0.45um	4.5MsZ	SIV	148.73	106	PKP	36 26.50	3.2X	
CHJJ	28.70	341	P	22 34.90	-2.0			pP	25 47.50	45kmX	KIC	150.69	301	PKP	36 32.54	6.2X
CTA	29.27	188	eP	22 47.70	5.5X	MRWA	50.40	220 eP	25 35.00	-2.0		0.7s	8.50nm			
	0.9s	73.95nm		5.4mb		BDT	50.40	285 eP	25 39.00	1.8	LIC	151.01	301	PKP	36 30.16	3.4X
MAT	29.41	340	eP	22 40.00	-3.3X		0.7s	34.40nm	5.5mb		S.D. = 1.1 on 84 of 105 obs.					
	0.7s	9.59nm		4.6mb		CHTO	50.54	287 ePc	25 38.70	0.4	% SEP 23, 1993 18h 05m 12.96± 0.70s					
		eS	27 30.00				1.1s	12.37nm	4.8mb		40.122 N ± 6.9km 29.306 E ± 5.6km					
MTMJ	29.59	339	P	22 42.80	-2.2	KHT	50.74	282 eP	25 41.00	1.2	DEPTH = 10.0km (geophysicist)					
BAG	29.78	287	eP	22 46.00	-1.0	CIT	52.15	332 eP	25 49.00	-1.1	TURKEY				(366)	
NIJ	29.79	342	P	22 45.10	-1.6	GTA	54.05	312 eP	26 04.50	0.0	ML 2.7 (ISK).					
QIS	31.27	199	eP	22 58.00	-1.9		1.5s	14.00nm	4.8mb							
WR2	32.82	208	iPc	23 11.80	-1.7	Z	20s	0.46um	4.5MsZ	KCT	0.74	280	iPg	05 27.20	-0.3	
	0.6s	42.90nm		5.5mb		MNG	54.70	157 eP	26 06.90	-2.1X		iSg	05 37.00			
		i	23 16.00			TCW	54.75	158 eP	26 16.60	7.3X	EYL	0.79	55	ePg	05 27.80	-0.6
SSE	34.76	313	P	23 29.50	-0.6	YAK	54.90	348 iPd	26 08.20	-2.0	ISK	0.96	349	ePg	05 31.80	0.6
	Z	16s	0.50um	4.4MsZ			1.1s	40.00nm	5.4mb	BNT	1.09	283	ePg	05 33.00	-0.4	
	E	14s	0.40um			CAW	54.96	157 eP	26 17.60	6.7X	EDC	1.13	282	ePg	05 34.20	0.1
DZM	34.83	153	iPc	23 29.80	-1.1	ZAK	56.46	326 iPc	26 20.50	-1.1	CTT	1.22	327	iPg	05 35.90	0.2
ASPA	36.27	206	iPc	23 41.60	-1.4		1.1s	24.00nm	5.1mb	ALT	1.23	149	ePn	05 36.30	0.3	
	1.1s	16.30nm		4.9mb		LSA	58.72	299 P	26 39.80	1.3		S.D. = 0.5 on 7 of 7 obs.				
	Z	21s	0.50um	4.3MsZ			1.0s	16.00nm	5.1mb		? SEP 23, 1993 18h 45m 18.64± 2.17s					
		ePP	25 13.50			GUN	63.15	297 P	27 09.40	1.0		14.746 N ± 37.0km 93.479 W ± 14.1km				
NJ2	36.96	313	eP	23 51.40	2.7X		0.8s	83.00nm	5.9mb		DEPTH = 33.0km (normal)					
	Z	17s	0.41um	4.3MsZ		KKN	63.67	296 P	27 12.20	0.5	4.4mb (4 obs.)					
		eS	29 35.00			DMN	63.81	296 P	27 13.20	0.5	NEAR COAST OF CHIAPAS, MEXICO (69)					
YSS	38.32	352 (P)		24 02.80	2.9X		1.0s	59.00nm	5.6mb							
		e	32 36.00			WMQ	64.01	314 P	27 14.00	0.6	TPX	1.19	82	iP	45 39.50	0.5
ARMA	39.32	178	eP	24 09.00	0.4		1.4s	26.00nm	5.1mb			iS	45 52.50			
	1.0s	35.00nm		5.1mb			Z	20s	0.54um	4.7MsZ	SCX	2.14	22 (P)		44 58.00 -54.7X	
MDJ	39.63	337	eP	24 10.10	-0.9	SVW	65.28	26 eP	27 20.15	-1.1	OXX	3.89	307	eP	46 17.50 -0.3	
	1.2s	27.00nm		4.9mb			0.8s	21.20nm	5.3mb			iS	47 03.00			
WHN	39.65	308	Pc	24 13.50	2.2	TTA	65.99	24 eP	27 24.90	-1.0	IISM	5.63	319 (P)		46 47.50 5.3X	
	Z	16s	0.59um	4.5MsZ		SLKM	67.41	28 eP	27 33.32	-1.5	PPM	6.54	312 eP		46 56.00 0.5	
		eS	30 16.00			PMR	68.31	27 eP	27 38.58	-1.8	UYO	19.36	358 iPc		49 44.20 -0.2	
SNY	40.17	329	Pc	24 14.80	-0.5		0.8s	15.53nm	5.1mb	MCMT	34.19	335 eP		52 04.80 1.4		
	Z	27s	0.75um	4.4MsZ												

23d 18h

0.8s 0.74nm 4.0mb
GBA 150.43 18 PKP 05 08.00 4.3X
S.D. = 0.8 on 9 of 12 obs.

? SEP 23, 1993 19h 46m 03.62± 3.32s
39.006 N ±25.2km 23.405 E ±17.9km
DEPTH = 10.0km (geophysicist)
AEGEAN SEA (365)
ML 2.2 (THE).

AGG 0.84 271 iPg 46 19.96 0.1
eSg 46 32.16
PAIG 0.94 13 ePg 46 22.28 0.7
iSg 46 35.32
LIT 1.30 327 iPb 46 27.34 -0.4
eSb 46 45.36
OUR 1.40 18 ePb 46 28.52 -0.6
KNT 2.19 350 iPn 46 40.70 0.1
S.D. = 0.7 on 5 of 5 obs.

% SEP 23, 1993 20h 01m 17.96± 1.52s
40.183 N ±18.0km 28.965 E ± 6.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.6 (ISK).

KCT 0.47 278 iPg 01 27.80 0.3
iSg 01 34.80
BNT 0.82 283 ePg 01 33.50 -0.3
EDC 0.86 281 ePg 01 34.50 0.0
eSg 01 46.20
EYL 0.99 67 ePg 01 36.80 0.0
CTT 1.05 337 iPg 01 37.70 0.0
S.D. = 0.3 on 5 of 5 obs.

SEP 23, 1993 20h 04m 00.82± 0.18s
78.517 N ± 3.2km 6.928 E ± 3.6km
DEPTH = 10.0km (geophysicist)
4.9mb (48 obs.) 4.8MsZ (9 obs.)
SVALBARD REGION (643)

Mw 5.1 (HRV).
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 19C
Centroid Location:
Origin Time 20:04: 3.8 0.6
Lat 78.16N 0.11 Lon 6.50E 0.33
Dep 15.0 FIX Half-duration 1.0
Moment Tensor; Scale 10**16 Nm
Mrr=-4.01 0.37 Mtt=-1.18 0.63
Mff= 5.19 0.36 Mrt=-0.85 1.41
Mrf=-2.16 1.59 Mtf= 1.60 0.28
Principal Axes:
T Val= 6.09 Plg=13 Azm=104
N -1.53 6 195
P -4.56 76 309
Best Double Couple:Mo=5.3*10**16
NP1:Strike=186 Dip=33 Slip=-101
NP2: 19 58 -83

KBS 1.06 65 iPd 04 20.40 -0.4
eS 04 31.00
DAG 5.75 265 iPd 05 24.10 -4.0X
0.9s 100.84nm 5.5mb
Z 18s 6.46um 5.1MsZ
ARA0 10.29 141 Pn 06 24.67 -6.7X
Sn 08 14.95
AKU 14.77 223 iP 07 36.30 5.2X
1.1s 40.51nm 4.9mb
KAF 17.53 149 iP 08 03.90 -2.5X
0.7s 15.00nm 4.2mb
NB2 17.62 173 P 08 07.40 -0.1
0.9s 2.60nm 3.4mb X
NRA0 17.93 173 P 08 03.19 -8.2X
HFS 18.60 169 eP 08 18.50 -1.1
0.5s 2.70nm 3.7mb X
NUR 18.95 152 eP 08 19.00 -4.8X
PUL 20.27 145 ePc 08 38.00 -0.6
e 08 58.00
e 09 06.00
e 12 20.00
e 12 58.00
NRI 22.00 69 eP 08 56.00 -0.1
2.0s 142.00nm 5.1mb
Z 20s 4.30um 4.9MsZ
E 20s 3.20um
ePPP 09 34.00

e 12 58.00
eS 13 03.00
e 13 48.00
MUD 22.17 177 eP 09 03.00 5.0X
0.8s 4.00nm 3.9mb
COP 23.01 172 eP 09 17.90 11.6X
0.8s 17.91nm
EKA 23.54 195 Pc 09 25.60 14.1X
1.0s 10.40nm
BSD 23.67 169 eP 09 18.30 5.6X
0.9s 36.00nm 4.9mb
MOS 25.12 137 eP 09 34.00 7.3X
Z 15s 1.20um 4.5MsZ
N 14s 2.70um
E 13s 0.70um
e 10 08.00
OBN 25.60 139 eP 09 32.00 0.8
1.0s 18.00nm 4.7mb
Z 20s 1.70um 4.6MsZ
N 22s 1.20um
i 09 37.00
eS 14 00.00
MNK 25.75 151 eP 09 26.00 -6.6X
TIK 26.42 37 iPc 09 42.00 3.4X
1.6s 39.00nm 4.8mb
Z 16s 0.50um 4.2MsZ
eS 14 15.00
CLL 27.41 172 e(P) 09 54.00 6.2X
BRG 27.87 170 eP 09 53.30 1.2
1.3s 11.00nm 4.5mb
e 09 59.40
SVE 27.94 109 ePc 09 52.00 -0.6
eS 14 36.00
eSS 16 18.00
ARU 27.94 111 eP 09 51.00 -1.6
Z 12s 2.00um 4.9MsZ
E 12s 1.50um
KSP 27.99 167 eP 09 51.50 -1.7
MOX 28.04 174 e(P) 09 53.60 0.0
OJC 28.80 163 eP 09 58.60 -1.8
SPC 29.85 162 eP 10 09.70 -0.4
GEC2 29.89 171 P 10 10.90 0.5
1.3s 3.51nm 4.0mb
e 10 16.00
e 10 21.00
UZH 30.54 160 eP 10 16.00 0.0
2.0s 135.00nm 5.5mb
HAU 30.63 181 eP 10 17.80 1.0
1.3s 15.15nm 4.7mb
Z 21s 0.28um 3.9MsZ
30.67 167 eP 10 15.80 -1.3
PSZ 31.10 163 eP 10 21.10 0.1
SRO 31.12 165 eP 10 30.40 9.4X
LOR 31.39 184 eP 10 23.70 0.3
1.3s 14.80nm 4.7mb
Z 23s 0.22um 3.8MsZ
31.57 333 eP 10 26.00 1.2
1.0s 3.00nm 4.2mb
SSF 31.60 184 eP 10 25.70 0.4
1.3s 16.95nm 4.8mb
LBF 31.67 184 eP 10 26.20 0.2
1.3s 23.10nm 4.9mb
AVF 31.87 185 eP 10 28.00 0.3
1.2s 13.40nm 4.7mb
BGF 32.11 185 eP 10 30.30 0.5
1.0s 21.80nm 5.0mb
MPF 32.15 189 eP 10 30.60 0.5
0.8s 5.10nm 4.5mb
UZD 32.35 165 e(P) 10 32.50 0.7
TCF 32.40 186 eP 10 32.90 0.6
1.4s 38.75nm 5.1mb
LSF 32.45 187 eP 10 34.00 1.3
1.0s 18.40nm 5.0mb
MAF 32.46 186 eP 10 33.30 0.5
1.1s 13.65nm 4.8mb
KIS 32.69 152 eP 10 30.00 -4.7X
Z 15s 0.50um 4.3MsZ
e 11 43.00
LPL 33.12 180 eP 10 39.00 0.2
0.9s 4.10nm 4.4mb
LPG 33.14 180 eP 10 39.50 0.4
1.0s 8.80nm 4.6mb
RJF 33.40 187 eP 10 41.50 0.5
1.2s 22.90nm 5.0mb
Z 23s 0.17um 3.7MsZ
33.76 4 eP 10 45.00 1.1
MLR 33.94 156 eP 10 40.00 -5.9X

CMP 34.09 157 ePc 10 50.00 3.0X
YAK 35.64 43 iPd 10 58.80 -1.3
2.0s 137.00nm 5.5mb
eS 16 38.00
FBA 36.02 342 eP 11 04.85 1.6
1.0s 5.97nm 4.4mb
SKO 37.12 162 eP 11 13.00 0.3
PYA 37.31 135 eP 11 13.00 -1.4
Z 16s 1.00um 4.7MsZ
OHR 37.93 163 eP 11 20.20 0.6
GRO 38.36 133 iP+ 11 24.00 0.9
Z 12s 1.00um 4.9MsZ
N 14s 1.00um
E 14s 1.00um
eS 17 24.00
ERE 41.29 135 eP 11 43.00 -4.5X
e 13 28.00
CBM 41.50 268 eP 11 54.98 5.9X
0.9s 11.45nm 4.6mb
ZAK 42.40 71 eP 11 56.00 -0.4
2.0s 22.00nm 4.5mb
e 13 41.00
eS 18 20.00
eSS 22 08.00
CIT 42.73 61 eP 12 00.50 1.3
ULM 43.73 295 eP 12 17.00 9.8X
FRU 43.98 101 eP 12 12.00 2.7X
2.0s 110.00nm 5.3mb
Z 28s 1.00um 4.6MsZ
e 18 44.00
WMQ 45.63 88 P 12 23.60 0.9
1.2s 24.00nm 5.0mb
Z 18s 1.31um 4.9MsZ
N 18s 1.99um
ASH 45.67 120 eP 12 23.50 0.6
KSH 47.50 101 eP 12 40.50 3.0X
1.0s 30.00nm 5.3mb
Z 16s 2.39um 5.3MsZ
N 13s 1.88um
E 13s 1.91um
sP 12 50.00
PP 14 28.00
RSSD 51.09 300 eP 13 04.75 -0.5
0.9s 5.45nm 4.5mb
LON 51.31 317 eP 13 06.42 -0.2
MCMT 51.86 308 eP 13 12.20 1.1
GTA 52.29 78 eP 13 13.50 -0.7
1.5s 29.00nm 5.0mb
Z 22s 1.82um 5.1MsZ
E 15s 0.82um
pP 13 20.50 23kmX
sP 13 25.00
MDJ 52.52 49 eP 13 15.80 0.1
CN2 52.67 53 eP 13 16.60 -0.2
1.0s 11.00nm 4.7mb
Z 16s 0.36um 4.5MsZ
N 13s 0.11um
E 13s 0.55um
epP 13 23.00 21kmX
BTO 53.09 68 eP 13 19.20 -1.0
SNY 54.29 55 Pc 13 28.80 0.1
Z 22s 0.50um 4.5MsZ
eS 21 04.00
CEH 54.33 274 (P) 13 28.10 -1.0
1.1s 17.05nm 5.0mb
BJI 54.75 63 eP 13 32.50 0.3
Z 22s 0.92um 4.8MsZ
N 14s 0.82um
ELC 54.98 284 eP 13 31.71 -2.2
GOL 55.62 300 eP 13 38.58 -0.3
0.7s 6.78nm 4.8mb
LHS 56.04 276 eP 13 40.45 -1.1
MYNC 56.12 279 eP 13 41.24 -1.0
0.9s 13.58nm 5.0mb
JSC 56.32 276 eP 13 42.59 -1.0
TIY 56.34 67 eP 13 44.60 0.8
Z 19s 2.21um 5.3MsZ
E 18s 1.77um
DUG 56.38 307 eP 13 44.25 0.0
0.9s 3.61nm 4.4mb
PRM 56.73 277 eP 13 46.13 -0.5
MSU 57.92 306 eP 13 55.97 0.7
e 14 02.82
MIAR 58.48 288 eP 13 57.81 -1.0
0.9s 17.50nm 5.1mb
UYO 59.01 289 iPc 14 02.60 0.0
XAN 59.25 71 P 14 03.00 -1.3

23d 20h

1.2s	13.00nm	4.9mb	0.4s	1.40nm	4.4mb	eSn	07 24.60			
Z 15s	0.88um	5.0MsZ	TUL 144.14	26 iPKP	19 32.30	8.2X	LJU 2.72	303 ePn	06 57.00	3.8X
E 16s	1.06um		S.D. = 0.7	on 11 of 12 obs.				eSn	07 29.10	
WMOK 59.27	293 eP	14 14.00 37kmX	-----				TRI 3.06	293 e(Pn)	06 59.00	1.0
0.8s	13.38nm	5.1mb	& SEP 23, 1993	22h 04m 10.23s				ePg	07 04.30	
LSA 59.97	89 eP	14 11.00 1.2	42.115 N	112.291 W				ePgPg	07 08.80	
TPNV 60.10	309 eP	14 09.78 -0.5	DEPTH = 7.5km					eSn	07 31.50	
0.6s	3.99nm	4.7mb	EASTERN IDAHO	(457)			VOY 3.10	299 ePn	06 59.20	0.5
KKN 60.65	95 P	14 13.00 -1.1	<SLC-P>. MD 3.3 (SLC).					e	07 01.80	
GUN 60.65	95 P	14 15.60 1.3	HVU 0.49	227 ePd	04 19.90 -0.3			eSn	07 33.60	
DMN 60.79	96 P	14 14.80 -0.3	PTI 0.76	356 eP	04 24.08 -1.3			e	07 46.20	
CD2 61.30	77 eP	14 19.00 0.7		eS	04 34.24		SRO 3.25	6 iPn	07 10.00	9.4X
MAT 61.68	43 (P)	14 35.00 14.1X	HHA1 1.18	357 eP	04 31.83 -0.8		PSZ 3.64	23 e(Pn)	07 22.50	16.2X
1.8s	54.55nm			eS	04 45.15		ZST 3.64	353 i(Pn)	07 04.80	-1.4
ISA 61.70	311 eP	14 22.03 1.0	DAU 1.87	155 eP	04 43.50 0.3		SKO 3.73	133 ePn	07 15.00	7.3X
0.9s	8.71nm	4.9mb	DUG 1.96	192 eP	04 43.45 -0.8		KBA 3.98	310 iPnc	07 14.60	3.3X
GSC 61.80	309 eP	14 22.01 0.3	BW06 2.13	71 eP	04 48.56 1.7			iSn	08 04.50	
	e	14 30.57		eS	05 15.13			iSg	08 28.30	
NJ2 63.01	62 eP	14 35.80 6.2X	EMUT 2.56	154 (P)	04 55.21 2.3		GEC2 5.10	328 Pn	07 24.50	-2.6X
Z 14s	0.65um	5.0MsZ	TPMT 2.65	10 ePn	04 54.80 0.4			Sn	08 22.40	
N 13s	0.75um		MCMT 2.74	352 ePn	04 58.00 2.4			Sg	08 52.60	
TUC 63.75	303 eP	14 36.68 2.0	BGMT 3.12	3 ePn	05 04.30 3.4		S.D. = 1.3	on 9 of 16 obs.		
0.9s	5.21nm	4.7mb	SRU 3.29	155 eP	05 02.57 -0.7		& SEP 23, 1993	22h 26m 42.23s		
	e	14 44.43	MBMT 3.62	15 ePn	05 11.00 3.1		61.607 N	151.633 W		
LTX 65.42	296 eP	14 44.73 -0.8	HBMT 3.68	357 ePn	05 14.10 5.1		DEPTH = 79.1km			
	e	14 52.07	ARUT 4.41	192 (P)	05 19.27 0.0		SOUTHERN ALASKA	(2)		
GYA 66.19	75 P	14 50.00 -0.5	GOL 5.77	112 (Pn)	05 37.86 -0.7		<AEIC>.			
1.0s	16.00nm	5.2mb	15 obs. associated							
KMI 66.72	79 eP	14 59.50 5.5X	* SEP 23, 1993	22h 05m 17.67± 1.42s			NCG 0.32	231 iP	26 54.19	-0.7
2.0s	50.00nm	5.4mb	1.010 N ± 9.1km	126.469 E ± 15.0km				eS	27 03.83	
Z 20s	1.60um	5.2MsZ	DEPTH = 68.5 ± 15.8 km				CGLM 0.35	211 iP	26 54.29	-0.7
CHTO 72.10	84 eP	15 35.80 8.9X	4.6mb (9 obs.)				SKT 0.38	7 eP	26 54.18	-0.9
GBA 72.90	106 P	15 38.00 6.4X	NORTHERN MOLUCCA SEA	(266)				eS	27 03.91	
BCAO 74.28	168 iPd	15 40.20 0.6					CRP 0.42	217 iPd	26 54.47	-1.2
1.1s	22.00nm	5.1mb	TNE 0.89	104 iPd	05 35.00 0.1			eS	27 04.73	
	ic	15 47.90		iS	05 45.00		SUA 0.45	108 iP	26 55.53	-0.3
WRA 116.53	57 PKP	22 45.80 0.0	WR2 22.22	160 eP	10 09.00 -0.9			eS	27 05.68	
0.6s	0.70nm		0.8s	31.20nm	4.8mb		CP2 0.45	221 iPd	26 55.07	-0.9
WR2 116.54	57 ePd	18 48.30 -12.2X		eS	14 11.80			eS	27 05.59	
0.5s	1.70nm		ASPA 25.57	164 iPc	10 42.80 0.7		CKN 0.47	215 eP	26 55.26	-0.6
S.D. = 0.9	on 79 of 108 obs.		0.7s	16.30nm	4.6mb		SPU 0.47	206 iP	26 55.17	-0.7
% SEP 23, 1993	20h 08m 31.60± 0.86s		GYA 31.67	325 iPd	11 36.40 -0.6			eS	27 05.67	
37.104 N ± 8.0km	4.383 W ± 6.0km		1.0s	18.00nm	4.8mb		CKT 0.49	214 iP	26 55.37	-0.7
DEPTH = 10.0km (geophysicist)			CHTO 32.27	305 eP	11 40.80 -1.4			eS	27 06.04	
SPAIN (377)			STK 35.71	158 iPc	12 11.70 0.1		BGL 0.50	227 eP	26 55.68	-0.5
mbLg 2.5 (MDD).			1.1s	4.60nm	4.3mb		CKL 0.53	220 eP	26 55.80	-0.7
ELUQ 0.46	11 iPc	08 41.22 0.2	CD2 36.71	326 eP	12 19.20 -0.9		BKG 0.62	210 eP	26 56.78	-0.5
	eS	08 47.60	XAN 36.74	335 P	12 19.00 -1.3		PWA 0.84	86 P	26 59.20	-0.3
ECOG 0.67	75 eP	08 45.63 0.5	MAT 36.99	16 (P)	12 21.00 -1.3		NKA 0.89	167 eP	27 01.30	1.2
EPRU 0.69	259 eP	08 45.86 0.5	0.9s	5.04nm	4.4mb		CUT 1.03	38 eP	27 01.30	-0.5
	eS	08 54.50						eS	27 16.25	
EGUA 0.71	112 eP	08 44.97 -0.6	TIY 38.74	342 eP	12 37.40 0.3		PMS 1.06	109 P	27 01.70	-0.6
	eS	08 55.10	SNY 40.72	357 P	12 54.40 1.2			S	27 18.30	
EHOR 0.99	316 eP	08 49.72 -0.7	MDJ 43.51	3 eP	13 17.00 1.0		RDT 1.10	200 eP	27 02.30	-0.5
	eS	09 02.90	1.1s	20.00nm	4.8mb			eS	27 18.36	
EBAN 1.16	24 iPd	08 53.36 0.1	LSA 44.07	314 eP	13 22.40 1.0		DFR 1.14	207 eP	27 02.68	-0.6
	eS	09 09.30	GTA 45.30	331 eP	13 31.50 0.8		PLRM 1.20	90 eP	27 02.41	-1.5
S.D. = 0.7	on 6 of 6 obs.		1.5s	13.00nm	4.6mb			eS	27 20.94	
* SEP 23, 1993	21h 59m 55.46± 2.29s		GUN 47.15	308 P	13 45.80 0.1		PMR 1.20	90 eP	27 01.87	-2.0
4.278 S ± 23.1km	102.824 E ± 24.6km		KKN 47.57	308 P	13 48.60 -0.2		NCT 1.22	212 eP	27 04.10	-0.3
DEPTH = 79.5 ± 19.4 km			DMN 47.62	307 P	13 50.80 1.5		REF 1.24	205 eP	27 04.07	-0.6
4.9mb (6 obs.)			GBA 50.10	287 P	14 08.50 0.3			eS	27 21.94	
SOUTHERN SUMATERA, INDONESIA	(274)		0.9s	2.50nm	4.2mb		RDW 1.27	207 eP	27 04.61	-0.4
CLI 2.11	106 eP	00 29.40 0.0	OBN 89.10	325 eP	18 06.00 -0.6			eS	27 21.97	
	e(S)	01 01.30		e	18 13.00		RS2 1.27	206 eP	27 04.83	-0.3
CHTO 23.26	351 eP	04 57.10 0.3	GEC2 104.03	321 Pd	19 21.40 6.6X			eS	27 21.48	
GBA 30.83	306 P	06 07.00 0.8	0.9s	0.71nm	4.6mb		SLKM 1.30	147 eP	27 04.40	-0.9
ASPA 35.64	126 eP	06 47.00 -0.8	S.D. = 1.0	on 19 of 20 obs.			GHO 1.30	81 eP	27 04.02	-1.4
0.8s	6.80nm	4.6mb	* SEP 23, 1993	22h 06m 08.11± 1.64s				eS	27 23.81	
GUN 35.93	334 P	06 50.20 -0.4	44.589 N ± 11.3km	17.788 E ± 14.1km			RED 1.32	205 eP	27 04.94	-0.6
DMN 36.02	333 P	06 51.40 0.2	DEPTH = 5.0km (geophysicist)				KNK 1.54	96 eP	27 06.72	-1.7
KKN 36.09	333 P	06 51.00 -0.8	NORTHWESTERN BALKAN REGION	(383)				eS	27 27.20	
0.8s	51.00nm	5.5mb	ML 3.1 (VIE), 2.8 (ZAG).				MPA 1.57	134 eP	27 08.60	-0.3
NDI 40.99	325 iPd	07 31.80 -0.5	HVAR 1.71	215 iPn	06 38.60 -0.1		SML 1.59	81 eP	27 07.25	-1.8
0.7s	20.55nm	5.1mb		iSn	07 02.50			eS	27 30.46	
CTA 45.09	114 eP	08 06.80 1.1	ZAG 1.77	315 ePg	06 39.60 0.0		ILIM 1.66	204 eP	27 09.45	-0.7
0.8s	83.96nm	5.6mb		iSn	07 02.20		PWL 1.76	114 eP	27 09.49	-2.0
STK 45.54	132 iPc	08 08.80 -0.3	PTJ 1.84	316 iPn	06 43.10 2.4X		SEW 1.85	144 eP	27 10.45	-2.1
0.5s	4.40nm	4.6mb		iSn	06 43.10		BRLL 1.89	168 eP	27 12.14	-1.0
KAF 87.48	333 iP	12 35.60 0.4	VBV 2.01	298 ePn	06 42.00 -1.1		CFI 1.91	101 eP	27 11.30	-2.1
				iSn	07 05.50		TRF 1.95	18 eP	27 13.19	-1.0
			UZD 2.08	15 e(Pn)	06 45.00 0.9			eS	27 37.24	
			RIY 2.53	289 ePn	06 49.10 -1.4		SVW 1.99	257 eP	27 12.83	-1.7
			CEY 2.64	297 ePn	06 53.80 1.7		SCM 2.06	82 eP	27 13.63	-2.0
							CNPM 2.10	174 eP	27 15.89	-0.1

23d 22h

OPT 2.11 203 eP 27 16.39 0.2
 PDB 2.22 216 eP 27 16.73 -0.9
 AUW 2.42 203 eP 27 20.21 -0.2
 TOA 2.64 77 P 27 21.80 -1.7
 KLU 2.74 90 eP 27 21.62 -3.3
 HIN 2.78 114 eP 27 24.65 -0.8
 CVA 3.05 108 eP 27 28.43 -0.7
 PAX 3.19 62 eP 27 29.57 -1.6
 SGAM 3.32 107 eP 27 30.97 -1.9
 FBA 3.73 26 (P) 27 39.19 0.6
 GLB 3.75 89 eP 27 36.75 -2.2
 HMT 3.81 106 eP 27 37.24 -2.5
 CRQM 4.20 98 eP 27 44.12 -1.3
 TGL 4.35 97 eP 27 46.09 -1.3
 WAX 4.43 101 eP 27 45.84 -2.6
 BALM 4.51 93 eP 27 46.93 -2.8

55 obs. associated

? SEP 23, 1993 22h 44m 51.62± 0.92s
 40.704 N ±10.6km 1.186 W ± 8.0km
 DEPTH = 10.0km (geophysicist)
 SPAIN (377)

mbLg 2.9 (MDD).

ETOR 0.67 280 eP 45 04.47 -0.5
 E 45 13.90
 ECHE 1.12 171 eP 45 13.57 0.8
 E 45 29.10
 EROQ 1.22 84 eP 45 12.91 -1.4
 E 45 28.40
 EGRA 1.63 23 eP 45 21.73 1.4
 E 45 44.40
 ECRI 2.15 333 eP 45 32.68 4.7X
 E 45 59.20
 GUD 2.26 269 eP 45 29.40 -0.3
 E 45 55.80

S.D. = 1.6 on 5 of 6 obs.

SEP 23, 1993 23h 54m 07.47± 0.57s
 42.148 N ± 4.3km 122.023 W ± 5.7km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.3 (GS).

LHEM 0.54 196 P 54 19.13 0.8
 LGMM 0.57 166 P 54 19.13 0.3
 LMHM 0.63 154 P 54 19.79 -0.3
 LASM 0.64 149 P 54 19.56 -0.8
 LMPM 0.67 189 P 54 21.67 0.8
 LBFM 0.81 173 eP 54 23.35 -0.4
 LGBM 0.81 189 P 54 23.79 -0.1
 LPDM 0.98 165 P 54 26.45 -0.2
 LBKM 1.17 205 P 54 29.20 -0.6
 LGPM 1.37 206 eP 54 31.93 -1.5
 E 54 52.78
 KOMM 1.38 231 P 54 33.72 0.3
 KSXM 1.42 258 P 54 33.61 -0.4
 WDC 1.61 194 eP 54 36.28 -0.4
 LCFM 1.70 167 P 54 38.90 0.7
 LSLM 1.75 168 P 54 39.10 0.3
 FHC 2.00 228 eP 54 42.74 0.5
 E 55 16.75
 KBRM 2.03 226 P 54 45.68 2.9X
 KMPM 2.34 223 eP 54 47.05 -0.3
 ORV 2.62 171 eP 54 51.92 0.7
 VGB 3.49 15 eP 55 01.60 -1.9
 LON 4.60 2 (P) 55 21.46 2.1
 BONR 5.07 144 eP 55 26.61 0.4

S.D. = 0.9 on 21 of 22 obs.

? SEP 24, 1993 00h 17m 15.17± 6.59s
 39.086 N ±45.4km 23.668 E ±41.2km
 DEPTH = 5.0km (geophysicist)
 AEGEAN SEA (365)
 ML 2.4 (THE).

PAIG 0.84 1 ePg 17 31.92 0.1
 eSg 17 42.84
 AGG 1.04 267 ePg 17 35.36 0.0
 eSg 17 49.80
 OUR 1.27 11 ePb 17 39.12 0.0
 LIT 1.36 318 ePb 17 40.76 0.0
 eSb 17 57.00

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

SEP 24, 1993 00h 57m 25.59± 0.13s
 6.087 N ± 2.7km 125.376 E ± 4.2km

DEPTH = 101.8km (19 depth phases)
 5.3mb (49 obs.)
 MINDANAO, PHILIPPINE ISLANDS (259)
 Mw 5.4 (HRV).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 30S, 45C
 Centroid Location:
 Origin Time 00:57:28.0 0.6
 Lat 6.22N 0.06 Lon 125.61E 0.05
 Dep 102.2 3.3 Half-duration 1.1
 Moment Tensor; Scale 10**16 Nm
 Mrr= 7.53 0.45 Mtt= 1.16 0.61
 Mff=-8.69 0.89 Mrt=-7.20 0.44
 Mrf=-4.55 0.40 Mtf=-3.18 0.60
 Principal Axes:
 T Val= 12.44 Plg=58 Azm=168
 N -0.44 23 34
 P -12.00 20 295
 Best Double Couple: Mo=1.2*10**17
 NP1: Strike=351 Dip=32 Slip= 42
 NP2: 224 69 115

DAV 1.01 11 iPc- 57 48.00 1.4
 CTB 1.61 314 iPc 57 54.00 0.3
 iS 58 16.00
 BIP 2.29 22 iPc 58 03.00 0.3
 iS 58 29.50
 CGP 2.45 344 iPc 58 07.80 3.1X
 iS 58 38.00
 MAP 4.43 342 iPc 58 34.00 2.2X
 iS 59 06.00
 PLP 5.06 356 ePc 58 40.80 0.3
 GQP 8.29 340 ePd 59 26.50 1.7
 PGP 8.56 330 ePd 59 30.50 2.0
 QCP 9.49 334 eP 59 25.60 -15.5X
 BCP 11.28 336 eP 00 08.00 2.8X
 BAG 11.28 336 eP 00 04.80 -0.5
 CVP 12.06 344 ePd 00 17.00 1.7
 SZP 12.37 338 ePd 00 28.50 9.1X
 HKC 19.42 327 iP 01 47.00 0.6
 MTN 19.66 163 iPd 01 49.00 0.0
 QZH 19.85 342 Pd 01 50.70 -0.2
 1.0s 180.00nm 5.4mb
 S 05 26.00
 QIZ 19.86 312 iPd 01 51.00 -0.1
 0.9s 89.00nm 5.1mb
 S 05 25.50
 GZH 20.50 327 iPd 01 58.00 0.4
 1.1s 360.00nm 5.6mb
 WWKK 20.62 117 eP 01 47.90 -11.0X
 LEM 21.88 234 ePc 02 15.00 3.4X
 eS 02 46.00
 KNA 21.95 171 iPc 02 14.30 2.1
 KLI 23.20 242 eP 02 26.50 2.2
 SNG 24.62 274 eP 02 48.00 10.0X
 eS 06 55.00
 SSE 25.19 352 P 02 44.50 1.3
 Z 20s 0.50um 4.0MsZ
 E 12s 0.30um
 S 07 00.00
 LOE 25.70 298 eP 02 48.00 -0.1
 WHN 26.44 338 eP 02 55.00 0.2
 Z 38s 1.91um 4.4MsZ
 pP 03 19.50 113kmX
 eS 07 20.00
 NST 26.53 293 eP 02 55.60 0.0
 NJ2 26.54 348 Pc 02 55.50 -0.1
 Z 20s 0.30um 3.8MsZ
 pP 03 19.00 108km
 PMG 26.61 125 eP 02 56.00 -0.4
 KVG 26.82 108 eP 02 59.00 0.6
 GYA 27.00 321 iPd 03 01.00 1.0
 1.0s 110.00nm 5.3mb
 Z 18s 1.52um 4.6MsZ
 N 16s 1.09um
 E 16s 0.85um
 pP 03 22.00 94km
 sP 03 32.00
 PP 03 48.00
 S 07 28.00
 sS 08 06.00
 SS 08 50.00
 WB5 27.28 161 iP 03 00.80 -1.7
 eS 07 23.90
 WRA 27.33 161 P 03 02.70 -0.2
 0.8s 67.00nm 5.3mb

WR2 27.34 161 eP 03 02.10 -0.9
 0.6s 146.00nm 5.7mb
 e 03 27.20 116kmX
 eS 07 33.30
 KHT 27.69 290 iPd 03 06.80 0.5
 BDT 28.06 296 eP 03 15.00 5.4X
 0.5s 38.80nm 5.3mb
 CHTO 28.69 299 iPd 03 15.10 -0.1
 0.8s 20.13nm 4.8mb
 KMI 28.78 314 Pd 03 17.00 0.8
 1.5s 210.00nm 5.5mb
 Z 16s 1.80um 4.8MsZ
 pP 03 38.50 96km
 PP 04 13.00
 eS 07 53.00
 TKSJ 28.90 15 P 03 16.80 -0.1
 WKYJ 29.55 17 P 03 22.50 -0.3
 QIS 29.94 153 iPc 03 25.80 -0.6
 i 06 26.60
 NANU 30.06 198 iPc 03 26.60 -0.7
 0.5s 32.00nm 5.3mb
 ASPA 30.72 165 iPc 03 32.90 -0.3
 0.5s 92.20nm 5.8mb
 iS 08 27.30
 TIA 30.92 347 eP 03 36.00 1.2
 Z 40s 1.71um 4.4MsZ
 XAN 31.72 333 P 03 40.50 -1.4
 1.2s 65.00nm 5.2mb
 Z 35s 1.67um 4.5MsZ
 N 14s 0.34um
 E 14s 0.41um
 pP 04 04.50 107km
 S 08 40.00
 CD2 31.96 323 iPd 03 43.80 -0.2
 1.0s 330.00nm 6.0mb
 Z 18s 1.01um 4.5MsZ
 pP 04 08.00 108km
 S 08 46.00
 MAT 32.51 19 eP 03 47.00 -1.7
 0.9s 9.24nm 4.6mb
 eS 08 46.00
 CTA 33.14 142 eP 03 54.40 0.1
 0.8s 276.87nm 6.1mb
 iPcP 06 35.50
 eS 09 12.30
 iScP 10 09.20
 MEEK 33.18 191 iPc 03 53.70 -0.9
 0.5s 65.00nm 5.7mb
 TIY 33.61 341 eP 03 57.40 -0.9
 Z 30s 2.18um 4.7MsZ
 N 10s 0.32um
 pP 04 21.00 104km
 BJI 34.80 348 eP 04 06.50 -1.9
 1.0s 11.00nm 4.7mb
 SNY 35.63 358 P 04 15.00 -0.3
 Z 22s 0.56um 4.3MsZ
 pP 04 39.00 103km
 sP 04 50.90
 S 09 40.00
 LZH 35.80 329 eP 04 17.50 0.4
 1.2s 100.00nm 5.6mb
 Z 28s 0.82um 4.3MsZ
 N 14s 0.81um
 pP 04 42.00 105km
 sP 04 55.00
 eS 09 43.00
 OFUJ 36.00 22 eP 04 19.00 0.5
 MRWA 36.24 194 iPc 04 20.20 -0.4
 0.4s 54.00nm 5.8mb
 FORT 36.75 176 iPc 04 25.00 0.2
 HHC 36.75 342 P 04 25.00 0.0
 0.8s 14.00nm 4.9mb
 Z 32s 0.82um 4.3MsZ
 COOL 36.98 186 iPc 04 26.20 -0.7
 0.7s 33.00nm 5.4mb
 BAL 37.42 192 iPc 04 30.00 -0.5
 0.5s 89.00nm 5.9mb
 CN2 37.56 0 eP 04 34.00 2.5
 1.0s 8.40nm 4.6mb
 KLB 38.17 191 iPc 04 36.40 -0.4
 0.4s 50.00nm 5.8mb
 MDJ 38.55 5 eP 04 40.40 0.5
 pP 05 05.00 107km
 MUN 38.85 192 iPc 04 42.30 -0.2
 0.6s 85.00nm 5.8mb
 NWAQ 39.56 191 iPc 04 48.60 0.2
 0.5s 53.00nm 5.6mb

LISA	39.89 0.9s	310 Pd 15.00nm	04 05 10 04	53.00 28.00 49.00 55.00	1.3 4.8mb -0.3
GTA	40.39 1.5s Z 20s N 16s	329 eP 20.00nm 1.15um 0.75um	05 10 04	28.00 49.00 55.00	-0.3 4.7mb 4.7MsZ
STK	40.80 0.7s	159 iPc 105.00nm	04 10 11	59.60 36.60 01.30	1.1 5.8mb
RKG	41.20	191 iPc	05	03.00	1.2
ADE	42.73	164 iPc	05	16.30	2.0
GUN	43.27	305 P	05	19.60	0.4
KKN	43.71	304 P	05	22.60	-0.1
DMN	43.79	304 P	05	23.20	-0.2
ARMA	44.16	147 iPc	05	27.00	0.9
BWA	45.80	153 iPc	05	41.70	2.8X
CIT	46.79	350 eP	05	44.00	-2.6X
CAN	46.81	153 iPc	05	48.70	1.8
		i iPcP	06 07	17.40 18.80	125kmX
CNB	46.97	153 iPc	05	50.20	2.0
HVB	47.08	288 eP	05	50.00	0.7
TOO	47.31	158 iPc	05	52.80	1.9
GBA	47.75	283 Pd	05	54.90	0.4
ZAK	47.87	12.00nm	05	52.50	-2.4
DZM	49.00	126 iPc	06	04.50	0.3
WMQ	50.03	325 P	06	11.90	0.1
NDI	50.72	302 iPc	06	15.00	-2.1
POO	51.66	289 eP	06	25.00	0.5
PET	54.11	24 eP	06	43.00	1.1
KSH	55.41	314 P	06	53.00	1.2
E	1.0s 16s	40.00nm 0.84um			5.4mb
		pP sP ePcP ePP eS sS ScS	07 07 07 08 14 15 16	19.00 32.00 54.00 58.00 24.00 10.00 26.00	107km
YAK	55.90	2 eP	06	53.10	-1.7
FRU	57.72	318 eP	07	07.00	-1.0
MSZ	63.33	147 P	07	46.80	0.9
THZ	64.38	142 P	07	52.10	-0.9
LTZ	64.59	143 P	07	52.40	-1.9
MRW	65.19	141 P	07	57.00	-1.1
MNG	65.34	140 P	07	57.80	-1.3
WAHZ	65.42	139 P	07	59.60	-0.1
PAHZ	65.44	138 P	07	59.80	0.0
PGZ	65.85	140 P	08	01.90	-0.4
TEHZ	65.87	139 P	08	02.60	0.1
ASH	68.20	308 eP	08	17.00	-0.3
SVE	71.25	328 iPc	08	35.00	-0.5
ARU	72.21	328 eP	08	41.00	-0.2
CSY	73.00	186 iPd	09	45.50	-0.1
KER	76.91	304 eP	09	07.00	-1.8
TAB	77.66	308 eP	09	13.00	0.2
GRO	78.35	313 eP	09	15.00	-1.3
SVW	79.39	29 eP	09	22.35	0.7
TTA	79.43	27 iPc	09	22.22	0.3
PYA	80.28	314 ePc	09	25.00	-1.8
KDC	80.68	33 iPc	09	28.75	0.3
	0.8s	21.11nm			5.0mb
IMA	80.79	24 iPc	09	29.60	0.4
CP2	81.03	29 eP	09	30.43	-0.1
CRP	81.07	29 ePc	09	30.00	-0.7
SLKM	81.98	30 iPc	09	34.81	-0.5
PMR	82.54	29 iPc	09	37.64	-0.5
FBA	83.18	25 iPc	09	40.75	-0.7
TOA	83.94	28 ePc	09	46.50	1.1
KLU	84.08	29 eP	09	46.20	0.1
OBN	84.35	325 eP	09	46.00	-1.4
MAW	85.49	200 iPd	09	52.80	0.0
BALM	85.83	29 eP	09	55.24	0.4
INK	88.48	21 eP	10	07.00	-0.4
KAF	88.90	332 eP	10	06.70	-2.8X
MBC	89.96	13 ePc	10	15.00	0.7
NUR	90.00	331 eP	10	12.40	-2.2
MLR	92.28	316 eP	10	20.00	-5.7X
UZH	94.04	320 eP	10	32.20	-1.3
DAG	94.77	352 eP	10	35.00	-1.4
NRA0	96.07	333 ePc	10	36.40	-6.2X
NB2	96.09	333 P	10	39.60	-3.2X
YKA	97.92	24 eP			

24d 01h

MTMW 3.71 359 P 58 55.29 -0.6
 CDFW 3.80 1 P 58 57.40 0.3
 ASR 3.85 6 P 58 59.54 1.6
 SHW 3.88 359 eP 58 59.42 1.2
 FL2 3.88 358 P 58 58.16 -0.2
 BMW 4.23 350 (P) 59 02.95 -0.2
 LON 4.44 3 eP 59 06.23 0.1
 CMB 4.48 162 eP 59 07.32 0.6
 GMW 5.25 355 eP 59 17.52 -0.1
 MEMM 5.25 151 eP 59 18.19 0.6
 BONR 5.26 145 eP 59 18.74 0.8
 MMPM 5.27 152 (P) 59 18.64 0.4
 TNP 5.66 137 (P) 59 23.23 -0.4
 DUG 7.34 104 (P) 59 48.06 0.9
 ARUT 8.06 121 eP 59 56.61 -0.6
 DAU 8.41 99 (P) 00 02.19 -0.1
 MSU 8.50 113 eP 00 02.50 -1.0

S.D. = 0.8 on 54 of 59 obs.

SEP 24, 1993 02h 00m 31.18± 0.37s
 49.171 N ± 3.2km 6.878 E ± 4.1km
 DEPTH = 10.0km (geophysicist)

GERMANY (543)

ML 2.5 (STR), 2.3 (UCC).

RUP 0.54 13 ePg 00 42.30 0.1
 LANF 0.64 107 Pg 00 43.66 -0.3
 WLF 0.68 316 iPd 00 44.88 0.2
 SRBF 0.69 111 Pg 00 45.25 0.4
 HOFF 0.75 107 Pg 00 45.97 0.1
 Sg 00 57.90
 CDF 0.80 161 Pg 00 46.08 -0.8
 Sg 00 56.55
 WLS 0.82 157 Pg 00 46.39 -0.7
 ECH 0.97 169 Pg 00 49.83 0.1
 Sg 01 02.24
 VITF 1.12 212 Pg 00 52.06 -0.2
 Sg 01 06.31
 LIBD 1.13 155 Pg 00 52.92 0.6
 MOF 1.33 173 Pg 00 56.11 0.3
 TNS 1.47 43 ePnd 01 01.30 3.6X
 eSn 01 18.80
 eSg 01 20.60
 FEL 1.50 149 Pg 00 59.08 0.8
 MEM 1.55 339 iPc 00 58.63 -0.1
 ic 00 59.77
 iS 01 18.94
 DOU 1.75 303 iP 01 01.70 0.0
 i 01 04.00
 iS 01 23.60
 LOMF 1.82 181 Pg 01 05.44 2.6X
 SNF 2.15 310 iP 01 11.50 4.0X
 GRF 2.88 78 e(Pn) 01 21.20 3.2X
 ePg 01 26.70
 eSg 02 01.50
 GEC2 4.50 92 Pn 01 40.60 -0.5
 Sn 02 28.70
 Sg 02 54.10

S.D. = 0.5 on 15 of 19 obs.

% SEP 24, 1993 02h 42m 10.37± 0.82s
 39.545 N ± 10.9km 1.292 W ± 8.5km
 DEPTH = 10.0km (geophysicist)

SPAIN (377)

mbLg 3.0 (MDD).

ECHE 0.25 80 iPd 42 15.91 0.1
 eS 42 20.20
 EVIA 1.31 227 iPc 42 35.44 0.8
 eS 42 52.80
 ETOR 1.40 336 eP 42 36.27 0.3
 eS 42 53.70
 EROQ 1.82 45 eP 42 41.81 -0.2
 eS 43 04.00
 EBAN 2.39 235 eP 42 49.14 -1.0
 eS 43 19.10

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

* SEP 24, 1993 03h 01m 29.08± 1.06s
 20.666 S ± 9.1km 68.837 W ± 15.9km
 DEPTH = 33.0km (normal)

CHILE-BOLIVIA BORDER REGION (124)

MOCB 3.05 102 P 02 16.50 0.0
 ANT 3.36 206 eP 02 20.50 0.0
 CNCE 3.92 12 P 02 28.70 -0.3

(S) 03 09.00
 LPB 4.17 10 eP 02 34.00 1.6
 LPAZ 4.41 9 Pd 02 34.70 -1.3
 LR 03 17.20
 S.D. = 1.5 on 5 of 5 obs.

% SEP 24, 1993 03h 21m 01.08± 0.80s
 40.706 N ± 8.1km 27.513 E ± 6.1km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)

ML 2.6 (ISK).

MFT 0.19 295 iPg 21 05.70 0.3
 EDC 0.45 143 iPg 21 10.20 0.0
 eSg 21 17.20
 KCT 0.79 125 ePg 21 16.80 0.4
 iSg 21 27.80
 CTT 0.82 57 iPg 21 16.70 -0.3
 iSg 21 27.70
 EZN 1.26 226 iPn 21 24.20 -0.4

S.D. = 0.5 on 5 of 5 obs.

? SEP 24, 1993 03h 41m 49.37± 3.92s
 33.505 S ± 18.6km 178.686 W ± 39.2km
 DEPTH = 33.0km (normal)

4.2mb (1 obs.)

SOUTH OF KERMADEC ISLANDS (179)

PUZ 5.19 208 eP 43 07.40 0.6
 NOZ 5.75 207 eP 43 14.80 0.2
 URZ 5.84 215 eP 43 15.00 -0.9
 eS 44 19.30
 OUZ 6.61 253 P 43 26.90 0.2
 MNG 8.49 212 eP 43 48.80 -4.2X
 eS 45 19.70
 WR2 43.70 276 eP 49 53.10 -0.1
 0.5s 2.10nm 4.2mb
 NB2 151.71 350 PKP 01 43.60 8.9X
 0.7s 1.10nm
 MLR 157.64 310 ePKPd 01 52.00 8.7X
 S.D. = 0.8 on 5 of 8 obs.

SEP 24, 1993 04h 45m 58.69± 0.69s
 43.271 N ± 2.2km 126.513 W ± 6.7km
 DEPTH = 10.0km (geophysicist)

4.0mb (2 obs.)

OFF COAST OF OREGON (30)

RNO 2.11 71 Pc 46 34.22 -0.4
 DBO 2.40 93 P 46 37.58 -1.1
 MPOR 2.47 59 Pc 46 39.21 -0.5
 HSO 2.51 83 Pc 46 39.45 -0.8
 FBO 3.03 69 P 46 47.79 0.1
 TKO 3.04 45 P 46 47.40 -0.3
 HBO 3.10 78 P 46 48.76 0.0
 KMOR 3.21 41 P 46 49.50 -0.6
 SSOR 3.32 60 Pc 46 52.15 0.3
 WPO 3.52 48 P 46 55.24 0.7
 NLO 3.56 37 P 46 55.23 0.0
 GT2 3.58 57 P 46 56.26 0.7
 PGO 3.65 52 P 46 56.86 0.5
 TCO 3.66 75 Pc 46 56.80 0.0
 BPO 3.75 67 Pc 46 58.29 0.3
 LBFM 3.93 118 eP 47 00.56 0.0
 RVW 3.94 42 P 47 00.69 0.2
 TDH 3.95 58 Pc 47 01.28 0.5
 BMW 3.96 35 eP 46 59.74 -1.1
 eS 47 47.30
 VBEM 3.97 62 P 47 01.21 0.1
 VLL 4.10 56 Pc 47 03.69 0.8
 MTMW 4.12 47 Pc 47 03.38 0.2
 FL2 4.17 44 P 47 04.48 0.7
 GMO 4.19 72 P 47 03.58 -0.6
 SHW 4.22 45 ePc 47 05.21 0.6
 eS 47 56.62
 JLK 4.23 46 P 47 05.07 0.3
 HSR 4.24 45 Pc 47 05.51 0.6
 APM 4.25 53 P 47 05.55 0.6
 ERK 4.25 43 P 47 05.27 0.3
 REMW 4.25 45 P 47 05.77 0.6
 CZM 4.26 41 P 47 05.27 0.2
 YEL 4.26 45 Pc 47 05.76 0.6
 STD 4.26 44 Pc 47 05.59 0.4
 CDFW 4.27 47 P 47 05.44 0.2
 ESD 4.27 45 P 47 05.92 0.6
 SOSW 4.30 45 P 47 06.28 0.5
 CROR 4.33 65 P 47 05.60 -0.5

TDL 4.34 43 P 47 06.61 0.3
 GULW 4.40 51 P 47 07.52 0.4
 VIPM 4.44 72 Pc 47 07.24 -0.5
 ASR 4.54 49 P 47 09.47 0.4
 VGB 4.68 59 eP 47 10.70 -0.4
 eS 48 07.34

OOW 4.75 19 P 47 11.41 -0.7
 GLK 4.79 45 P 47 13.19 0.4
 LON 4.82 42 ePc 47 13.46 0.4
 eS 48 11.19

GL2 4.87 55 P 47 13.90 0.1

RVC 4.88 40 P 47 14.26 0.3

WPW 4.91 44 P 47 14.70 0.3

OSD 4.96 22 P 47 14.38 -0.8

GMW 5.02 30 eP 47 15.57 -0.2

JBO 5.26 63 P 47 18.90 -0.4

ORV 5.29 133 eP 47 19.91 0.2

NAC 5.31 47 P 47 20.36 0.3

RMW 5.34 37 eP 47 20.04 -0.4

PATW 5.48 59 P 47 22.09 -0.3

MXC 5.52 51 P 47 22.90 0.0

EBG 5.56 47 P 47 23.96 0.4

HTW 5.62 35 Pd 47 23.79 -0.6

BRVW 5.64 53 P 47 24.57 -0.1

PRW 5.68 56 P 47 24.71 -0.5

TBM 5.71 45 P 47 26.20 0.5

RSW 5.83 55 P 47 26.89 -0.4

MDW 5.84 53 P 47 27.25 -0.1

JCW 5.87 31 P 47 27.45 -0.4

BVW 5.88 51 P 47 28.42 0.4

MCW 5.99 24 eP 47 28.54 -0.9

eS 48 36.90

GBL 6.01 54 P 47 29.66 -0.1

WIW 6.03 56 P 47 29.81 -0.2

WAH2 6.03 52 P 47 30.19 0.1

MJ2 6.05 55 P 47 30.04 -0.2

LOCW 6.09 53 P 47 30.86 0.0

ETW 6.14 43 P 47 32.22 0.5

CRF 6.17 52 P 47 31.95 -0.1

OT2 6.21 54 P 47 32.47 -0.1

RPW 6.24 32 P 47 32.39 -0.7

ET3 6.31 56 P 47 33.25 -0.8

EPH 6.36 48 P 47 34.75 0.0

MBW 6.38 29 P 47 35.50 0.3

WTV 6.39 44 P 47 35.20 0.0

LNOR 6.43 63 P 47 34.09 -1.6

DHW2 6.67 43 P 47 39.04 -0.2

OD2 6.87 50 P 47 40.99 -0.9

CMB 7.00 136 eP 47 44.54 0.7

COE 7.05 147 eP 47 43.96 -0.5

DPW 7.42 49 eP 47 48.84 -0.9

NEW 8.25 49 eP 47 59.25 -2.0

ISA 9.81 138 eP 48 23.38 0.5

HHAI 10.31 85 eP 48 30.31 0.5

BGMT 10.57 74 eP 48 32.80 -0.6

ARUT 11.35 114 eP 48 44.53 0.5

MSU 11.84 109 ePd 48 50.88 0.1

BW06 12.42 86 eP 48 58.54 -0.1

PLM 12.46 139 eP 48 57.40 -1.6

ALQ 17.62 111 ePd 50 06.21 0.3

0.8s 2.40nm 3.4mb

ULM 22.01 61 eP 50 57.00 2.4

LTX 22.98 120 eP 51 03.94 -0.5

WMOK 23.09 102 iPd 51 06.33 0.9

0.8s 13.88nm 4.5mb

UYO 26.48 99 iPc 51 38.00 0.3

JSC 36.03 89 (P) 53 02.75 0.8

S.D. = 0.6 on 99 of 99 obs.

SEP 24, 1993 05h 13m 15.39± 0.36s
 40.070 N ± 4.0km 27.185 E ± 3.0km
 DEPTH = 5.0km (geophysicist)

TURKEY (366)

ML 3.1 (ISK).

EDC 0.59 62 iPg 13 27.20 0.0

iSg 13 36.00

BNT 0.63 63 iPg 13 27.70 -0.3

EZN 0.70 250 iPg 13 28.70 -0.8

iSg 13 38.20

MFT 0.72 6 iPg 13 29.20 -0.6

KCT 0.92 78 iPn 13 33.70 0.3

ALN 1.20 314 ePg 13 38.00 -0.2

iSg 13 54.64

CTT 1.43 41 iPn 13 42.20 0.1

IZM 1.67 178 ePn 13 45.50 0.0

ISK 1.74 55 ePn 13 47.00 0.6

24d 05h

DMK 1.80 14 iPn 13 47.00 -0.3
 HRT 2.04 68 ePn 13 50.70 -0.1
 OUR 2.47 277 ePn 13 57.64 0.7
 CIN 2.57 164 eP 13 58.00 -0.3
 SRS 2.93 292 ePn 14 03.76 0.3
 eSn 14 37.80
 SOH 3.02 286 ePn 14 06.20 1.4X
 KNT 3.44 290 ePn 14 11.28 0.5
 eSn 14 50.44

S.D. = 0.5 on 15 of 16 obs.

SEP 24, 1993 05h 24m 11.90± 0.78s
 14.124 N ±11.7km 93.487 W ± 6.3km
 DEPTH = 31.5km (2 depth phases)
 4.3mb (10 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.42 57 iP 24 34.97 -0.7
 IS 24 49.30
 SCX 2.72 17 iP 24 55.62 1.2
 IS 25 25.84
 GCG 2.90 81 eP 24 58.89 1.8
 IXG 2.94 89 eP 24 57.49 -0.2
 eS 25 36.99
 YUP 3.58 88 eP 25 06.46 -0.2
 OXX 4.29 314 iP 25 17.35 0.5
 IISM 6.11 323 (P) 25 54.32 11.9X
 LVVM 6.26 333 (P) 25 38.00 -6.5X
 ACX 6.72 295 (P) 25 49.92 -1.1
 PPM 6.96 316 eP 25 57.49 2.7X
 IIA 7.04 316 eP 25 56.08 0.7
 MRX 9.23 308 iP 26 27.97 2.1
 LTX 17.83 330 eP 28 16.35 -3.1X
 UYO 19.97 358 iPc 28 40.10 -4.4X
 MIAR 20.33 360 eP 28 46.15 -2.1
 0.9s 12.49nm 4.3mb
 eS 32 20.15

OXF 20.63 10 (P) 28 53.25 1.9
 WMOK 21.07 348 eP 28 54.94 -1.0
 1.0s 9.23nm 4.1mb
 eS 32 59.48

TUL 21.79 355 iP 29 04.30 1.2
 PRM 22.28 25 eP 29 15.02 7.0X
 MYNC 22.50 20 ePd 29 14.79 4.6X
 0.5s 5.09nm 4.2mb
 JSC 22.92 27 eP 29 19.69 5.5X
 ELC 23.38 9 (P) 29 18.03 -0.6
 ALQ 23.80 333 eP 29 22.26 -0.8
 0.9s 2.95nm 3.8mb

TUC 24.03 322 eP 29 25.75 0.6
 e 29 35.56 36km
 GLA 27.06 318 eP 29 54.46 0.9
 GOL 27.54 340 eP 29 57.44 -0.7
 1.1s 7.92nm 4.3mb

PV08 27.81 334 eP 30 01.07 0.4
 PV10 27.81 333 eP 29 59.96 -0.6
 e 30 07.71 27km
 ARUT 29.49 327 eP 30 16.66 1.0
 GSC 29.75 319 (P) 30 18.73 0.8
 RSSD 31.23 345 eP 30 30.26 -0.7
 0.7s 3.55nm 4.3mb

BW06 31.74 337 eP 30 34.22 -1.3
 1.1s 2.32nm 4.0mb
 PKEM 32.34 317 (P) 30 43.30 2.7X
 ePcP 33 49.57

MCMT 34.75 336 eP 31 02.00 0.4
 LON 40.24 330 eP 31 47.56 0.1
 YKA 50.58 347 eP 33 07.30 -2.1
 0.6s 4.90nm 4.7mb

BAO 53.82 122 eP 33 34.80 0.3
 SOB1 57.09 111 (P) 33 58.00 -0.1
 INK 59.92 344 eP 34 15.50 -1.5
 1.0s 3.00nm 4.4mb

NB2 84.72 28 P 36 44.10 0.1
 1.0s 4.00nm 4.6mb
 GBA 151.02 18 PKP 44 04.20 6.1X
 0.8s 5.00nm

S.D. = 1.1 on 31 of 41 obs.

% SEP 24, 1993 06h 00m 51.80± 0.74s
 26.824 S ± 6.8km 26.778 E ± 7.1km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.6 (PRE).

BFS 0.07 175 eP 00 54.80 1.1
 S 00 55.90

PRY 0.63 100 eP 01 04.00 -0.4
 S 01 11.00
 KSR 0.96 6 eP 01 10.50 -0.2
 S 01 23.60
 SWZ 1.34 254 eP 01 17.20 0.0
 S 01 34.50
 SLR 1.73 52 eP 01 24.00 1.1
 S 01 45.00
 BLF 2.34 193 eP 01 30.60 -1.0
 S 01 58.00
 BFT 3.14 70 eP 01 42.50 -0.6
 S 02 19.00

S.D. = 1.0 on 7 of 7 obs.

SEP 24, 1993 06h 07m 02.94± 0.31s
 6.544 S ± 5.0km 155.116 E ± 5.8km
 DEPTH = 49.9km (5 depth phases)
 5.1mb (25 obs.)

SOLOMON ISLANDS (193)

RAB 3.76 308 iPc 08 02.00 2.1
 1.0s 400.00nm
 HNR 5.58 121 eP 08 38.00 12.5X
 eS 09 37.00
 KVG 5.82 312 eP 08 30.90 2.0
 PMG 8.38 250 eP 09 06.00 1.4
 eS 10 40.00
 CTA 15.98 212 eP 10 49.80 3.8X
 0.8s 421.27nm 5.6mb
 ipP 11 01.90
 eS 13 47.20

DZM 18.92 146 iPc 11 25.00 2.3
 QIS 20.50 226 iPd 11 39.30 -0.2
 i 11 43.00 14kmX
 ARMA 23.98 187 iPd 12 15.80 1.8X
 0.5s 28.00nm 5.0mb
 WR2 24.16 235 iPd 12 16.30 0.6
 0.6s 11.60nm 4.6mb
 e 12 24.70 30kmX

WRA 24.17 235 P 12 16.60 0.7
 1.3s 32.40nm 4.7mb
 MTN 24.45 253 iPd 12 19.10 0.6
 0.9s 315.00nm 5.8mb
 ASPA 26.56 228 iPc 12 37.80 -0.5
 0.6s 46.20nm 5.2mb
 Z 23s 0.40um 3.9mszX

KNA 27.39 248 eP 12 46.10 0.2
 STK 28.20 205 iPc 12 52.20 -0.8
 0.8s 5.80nm 4.3mb
 iPcP 16 05.20
 CNB 29.12 190 eP 13 02.00 0.6
 CAN 29.19 190 eP 13 00.70 -1.3

TOO 32.10 194 iPd 13 28.40 0.7
 0.7s 13.00nm 4.9mb
 FORT 35.00 223 iPc 13 51.90 -0.8
 MBL 37.09 243 iPc 14 09.70 -0.8
 0.4s 9.00nm 5.1mb

PUZ 37.76 150 eP 14 16.50 0.6
 MNG 38.51 155 P 14 23.00 0.8
 PGZ 38.85 154 eP 14 25.30 0.3
 LTZ 39.14 160 P 14 27.90 0.4
 0.6s 12.00nm 4.9mb
 KLB 42.86 230 iPc 14 57.20 -1.0
 0.8s 30.00nm 5.1mb

MRWA 43.21 234 eP 15 00.00 -1.1
 0.8s 33.00nm 5.1mb
 MUN 44.21 230 eP 15 08.50 -0.6
 0.9s 29.00nm 5.0mb
 NST 58.75 293 eP 16 58.00 -0.6
 KMI 59.87 304 eP 17 07.00 0.5
 1.5s 50.00nm 5.4mb

CHTO 60.81 296 iPc 17 11.90 -0.9
 1.1s 34.45nm 5.4mb
 CSY 67.06 198 iPd 17 52.20 -0.7
 0.7s 12.50nm 5.1mb
 GUN 74.99 301 P 18 41.20 -0.5
 0.8s 48.00nm 5.5mb

KKN 75.47 301 P 18 43.20 -1.1
 0.6s 34.00nm 5.5mb
 DMN 75.57 301 P 18 43.80 -1.1
 0.6s 47.00nm 5.6mb
 SVW 77.53 22 eP 18 55.05 0.1
 0.8s 14.14nm 5.0mb

SLKM 79.28 24 iPc 19 04.21 -0.3

GBA 79.65 285 Pc 19 18.46 49km
 0.5s 6.50nm
 IMA 81.34 19 eP 19 15.56 0.1
 1.3s 13.55nm 4.8mb
 epP 19 30.17 51km
 esP 19 36.95

KLU 81.58 25 ePc 19 17.02 0.3
 epP 19 31.65 51km
 FBA 82.65 21 eP 19 20.91 -1.2
 0.8s 6.14nm 4.7mb
 epP 19 34.98 48km
 BALM 82.87 26 eP 19 23.61 0.2
 epP 19 38.17 50km

SPA 83.50 180 iPc 19 27.30 0.6
 0.8s 16.25nm 5.1mb
 INK 89.26 21 eP 19 36.00 -18.6X
 YKA 95.88 28 eP 20 25.30 0.1
 0.6s 4.40nm 5.2mb

CEH 122.54 51 ePKP 25 54.19 -0.7
 GEC2 126.73 329 PKP 26 02.10 -0.7
 0.6s 1.18nm
 BAO 136.74 270 ePKPc 26 09.00 -13.8X
 0.5s 3.00nm

VAO 143.55 144 (PKP) 26 32.00 -2.8X
 BAO 148.23 134 (PKP) 26 50.00 7.3X
 SOB1 157.65 134 (PKP) 27 10.00 14.0X
 e 27 28.70

LIC 160.26 270 PKP 27 17.77 18.9X
 0.5s 2.00nm
 TIC 160.27 271 PKP 27 17.11 18.2X
 0.5s 1.50nm

S.D. = 0.9 on 41 of 51 obs.

* SEP 24, 1993 06h 14m 41.81± 2.07s
 21.281 S ±12.8km 68.361 W ±24.8km
 DEPTH = 150.3 ± 13.5 km

CHILE-BOLIVIA BORDER REGION (124)

MOCB 2.54 90 P 15 25.60 1.2
 YJA 2.80 109 ePc 15 28.00 0.3
 HJA 3.35 126 ePd 15 34.30 0.1
 SLA 4.33 143 eP 15 46.50 -0.8
 CCH 4.41 29 P 15 49.50 1.0

CNCB 4.46 5 P 15 49.10 -0.3
 LPB 4.73 3 P 15 53.70 0.8
 (S) 17 20.00
 LPAZ 4.97 3 Pd 15 55.60 -0.7
 SIV 8.68 54 P 16 42.70 -2.9

VAO 19.89 99 eP 19 02.50 -1.2
 BAO 20.11 77 eP 19 07.50 1.5
 i 19 10.00
 SOB1 29.03 70 (P) 20 31.00 1.0

S.D. = 1.5 on 12 of 12 obs.

SEP 24, 1993 08h 55m 18.86± 0.70s
 7.600 S ± 8.6km 119.379 E ± 8.1km
 DEPTH = 281.6 ± 9.4 km
 5.0mb (9 obs.)

FLORES SEA (279)

MKS 2.37 2 iPd 56 09.00 1.4
 KHKI 3.81 258 ePd 56 22.80 0.3
 eS 57 12.80
 e 00 52.10

LEM 11.69 273 ePc 57 57.70 -1.6
 KNA 12.25 132 eP 58 04.20 -1.7
 eS 00 18.40
 MTN 12.68 115 eP 58 10.50 -0.8
 eS 00 25.00

MBL 13.49 178 eP 58 21.00 -0.1
 0.4s 8.00nm 4.4mb
 eS 00 53.00
 NANU 15.33 194 iPc 58 43.20 -0.1
 eS 01 36.00

MEEK 18.95 182 iPd 59 21.50 0.2
 eS 03 04.00
 WR2 19.02 132 eP 59 20.80 -1.2
 0.2s 104.20nm 5.9mb
 eS 02 37.10

ASPA 21.20 141 eP 59 43.10 -0.4
 0.3s 99.80nm 5.7mb
 eS 03 22.70
 MRWA 21.74 188 iPc 59 49.90 1.2
 0.3s 4.00nm 4.3mb
 eS 04 06.00

COOL 23.22 176 iPc 00 02.20 -0.7

24d 09h

0.3s 10.00nm 4.8mb
 QIS 23.43 125 eP 00 05.00 0.1
 MUN 24.43 187 eP 00 16.00 2.0
 eS 05 11.00
 NWA0 25.28 184 eP 00 20.70 -1.0
 STK 31.81 142 iPd 01 19.30 -0.2
 0.3s 25.80nm 5.3mb
 ARMA 37.77 131 iPd 02 07.00 -3.1X
 i 02 11.40
 BWA 37.78 139 iPd 02 12.20 2.2
 TOO 38.09 145 iPd 02 14.10 1.6
 0.4s 19.00nm 4.9mb
 iPcP 04 21.40
 CAN 38.71 140 eP 02 18.20 0.6
 GBA 46.67 297 P 03 20.40 -1.4
 0.4s 2.50nm 3.9mb X
 DZM 47.51 113 iPc 03 27.40 -0.9
 GUN 47.90 319 P 03 31.80 0.2
 0.6s 54.00nm 5.1mb
 DMN 48.21 318 P 03 34.00 0.2
 0.4s 28.00nm 5.0mb
 S.D. = 1.2 on 23 of 24 obs.
 * SEP 24, 1993 09h 06m 23.06± 2.10s
 40.640 N ±16.8km 22.795 E ±10.3km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 1.3 (THE).
 THE 0.13 93 iPg 06 26.50 0.3
 eSg 06 27.38
 GRG 0.44 317 ePg 06 31.74 -0.2
 eSg 06 38.00
 SOH 0.46 67 ePg 06 31.98 -0.5
 KNT 0.53 8 ePg 06 34.10 0.4
 eSg 06 43.46
 S.D. = 0.7 on 4 of 4 obs.
 * SEP 24, 1993 09h 14m 19.92± 1.90s
 29.264 S ±17.3km 68.454 W ±12.9km
 DEPTH = 10.0km (geophysicist)
 SAN JUAN PROVINCE, ARGENTINA (137)
 RTRS 1.26 224 ePc 14 43.00 -0.3
 RTPR 1.98 122 ePc 14 53.00 -0.8
 S 15 19.00
 ZON 2.28 185 eP 14 57.30 -1.0
 CFA 2.34 176 e(P) 15 00.70 1.6
 S 15 31.90
 CYA 2.47 71 ePd 15 01.00 0.1
 S 15 56.00
 MRA 3.93 144 eP 15 21.50 0.0
 S 16 09.30
 S.D. = 1.2 on 6 of 6 obs.
 * SEP 24, 1993 09h 18m 58.65± 0.80s
 39.684 N ± 7.3km 29.579 E ± 8.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).
 ALT 0.75 147 ePg 19 13.40 0.0
 eSg 19 24.90
 EYL 0.99 27 ePn 19 17.70 0.3
 HRT 1.14 3 ePn 19 19.40 -0.6
 BNT 1.44 298 ePn 19 24.60 -0.2
 EDC 1.47 297 ePn 19 25.20 0.0
 CTT 1.70 329 ePn 19 29.10 0.5
 S.D. = 0.5 on 6 of 6 obs.
 * SEP 24, 1993 10h 29m 25.28± 0.46s
 43.097 N ± 5.9km 0.627 W ± 3.8km
 DEPTH = 10.0km (geophysicist)
 PYRENEES (378)
 ML 2.3 (LDG).
 ESCF 0.04 116 Pg 29 27.37 -0.1
 ATE 0.06 258 Pg 29 27.89 0.4
 Sg 29 30.41
 OGE 0.13 58 Pg 29 27.74 -0.7
 Sg 29 30.02
 ISSF 0.14 241 Pg 29 29.22 0.5
 Sg 29 33.03
 MADF 0.15 289 Pg 29 28.78 0.0
 Sg 29 31.97
 LHE 0.18 179 Pg 29 29.69 0.2
 ELYF 0.28 285 Pg 29 30.30 -0.8

BOH 0.28 271 Pg 29 30.95 -0.3
 EPF 0.71 95 Pg 29 38.60 -0.7
 Sg 29 48.10
 LPO 2.06 39 Pg 30 01.60 1.3
 LFF 2.09 28 Pg 30 01.00 0.3
 Sg 30 26.40
 RJF 2.69 34 Pg 30 12.30 2.9X
 Sn 30 36.60
 Sg 30 45.70
 S.D. = 0.7 on 11 of 12 obs.
 * SEP 24, 1993 11h 11m 57.06± 0.73s
 26.429 S ± 6.4km 27.331 E ± 7.1km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 2.7 (PRE).
 PRY 0.51 166 eP 12 06.90 -0.5
 S 12 14.00
 BFS 0.68 226 eP 12 11.20 0.6
 S 12 20.00
 KSR 0.68 325 eP 12 10.00 -0.8
 S 12 18.50
 SLR 1.10 51 eP 12 18.00 -0.3
 S 12 34.20
 SWZ 1.94 247 eP 12 32.30 1.1
 S 12 55.00
 BFT 2.55 74 eP 12 41.00 1.0
 S 13 10.50
 BLF 2.85 201 eP 12 43.00 -1.3
 S 13 20.00
 S.D. = 1.1 on 7 of 7 obs.
 * SEP 24, 1993 11h 24m 17.21± 0.98s
 14.196 S ±23.9km 72.798 W ±15.7km
 DEPTH = 10.0km (geophysicist)
 CENTRAL PERU (116)
 ARE 2.58 151 eP 25 00.00 0.0
 NNA 4.51 299 eP 25 27.20 0.0
 0.4s 16.95nm
 i 25 29.70
 eS 26 20.50
 LPAZ 4.96 115 Pd 25 34.40 0.3
 LPB 5.09 118 (P) 25 30.00 -5.8X
 CNCB 5.32 120 P 25 39.80 0.6
 CCH 7.15 117 (P) 26 04.00 -0.8
 S.D. = 0.7 on 5 of 6 obs.
 * SEP 24, 1993 13h 06m 45.80± 1.41s
 34.964 S ±10.8km 179.796 W ±14.5km
 DEPTH = 33.0km (normal)
 4.0mb (1 obs.)
 SOUTH OF KERMADIE ISLANDS (179)
 PUZ 3.48 206 P 07 39.50 0.6
 S 08 18.90
 NOZ 4.04 205 P 07 46.80 -0.1
 KUZ 4.05 243 P 07 47.00 -0.1
 URZ 4.13 216 P 07 47.70 -0.3
 S 08 33.40
 WLZ 4.71 231 eP 07 56.20 -0.2
 OUZ 5.42 265 P 08 06.50 0.1
 WRA 42.99 278 P 14 44.00 0.2
 0.5s 1.70nm 4.0mb
 BAO 145.20 213 iPKPd 26 22.00 -0.2
 0.8s 7.00nm
 S.D. = 0.3 on 8 of 8 obs.
 * SEP 24, 1993 13h 12m 05.44± 1.72s
 33.292 S ±11.2km 69.869 W ±11.4km
 DEPTH = 131.9 ± 20.8 km
 CHILE-ARGENTINA BORDER REGION (127)
 MD 3.8 (SAN).
 FCH 0.35 264 iP 12 24.54 -0.3
 iS 12 38.45
 PCH 0.63 239 iP 12 26.03 0.1
 iS 12 41.17
 SAN 0.68 256 iP 12 26.22 0.0
 iS 12 41.55
 PEL 0.70 282 iP 12 26.28 -0.1
 iS 12 41.22
 JACH 0.86 315 iP 12 27.80 0.1
 iS 12 44.05
 TACH 0.96 248 iP 12 28.45 0.0
 iS 12 45.44

ROCH 1.01 288 iP 12 29.12 0.0
 iS 12 46.52
 CACH 1.02 216 iP 12 29.66 0.5
 iS 12 47.92
 LCCH 1.43 262 iP 12 33.49 0.2
 iS 12 53.30
 LNV 1.45 242 iP 12 32.83 -0.5
 (S) 12 52.83
 RTCB 2.02 27 eP 12 40.50 0.3
 S 13 07.00
 CFA 2.17 40 e(P) 12 41.50 -0.6
 S 13 09.00
 RTLL 2.29 32 eP 12 44.00 0.4
 S 13 12.00
 S.D. = 0.4 on 13 of 13 obs.
 * SEP 24, 1993 13h 14m 51.99± 0.61s
 41.203 N ± 6.8km 21.936 E ± 4.5km
 DEPTH = 10.0km (geophysicist)
 NORTHWESTERN BALKAN REGION (383)
 ML 2.2 (THE).
 GRG 0.43 125 iPg 15 00.18 -0.6
 eSg 15 06.70
 FNA 0.60 226 ePg 15 04.46 0.4
 eSg 15 13.86
 KNT 0.73 93 ePg 15 05.66 -0.6
 eSg 15 17.26
 SKO 0.85 334 ePn 15 09.20 0.8
 0.6s 140.00nm
 i 15 09.80
 i 15 21.20
 i 15 26.40
 OHR 0.86 264 ePn 15 07.50 -1.2
 iSn 15 23.50
 Lg 15 30.00
 THE 0.97 126 ePg 15 10.22 -0.1
 SOH 1.14 109 ePg 15 13.86 0.5
 LIT 1.18 159 ePb 15 14.66 0.6
 iSb 15 33.70
 SRS 1.25 93 ePb 15 14.86 -0.4
 OUR 1.78 119 ePb 15 23.58 0.6
 S.D. = 0.8 on 10 of 10 obs.
 * SEP 24, 1993 13h 26m 52.59± 1.01s
 20.970 S ± 7.4km 69.066 W ±11.7km
 DEPTH = 137.0 ± 25.9 km
 NORTHERN CHILE (123)
 ANT 3.00 204 eP 27 40.00 0.0
 eS 28 07.30
 MOCB 3.21 96 P 27 43.50 0.2
 YJA 3.53 110 ePc 27 47.20 -0.2
 CNCB 4.26 14 iPd 27 58.00 0.7
 LPB 4.51 12 P 27 59.70 -0.8
 LPAZ 4.74 11 Pd 28 04.00 0.2
 LR 28 59.00
 SIV 9.06 58 P 28 56.30 -5.2X
 PPD 16.56 97 eP 30 38.20 0.0
 S.D. = 0.6 on 7 of 8 obs.
 * SEP 24, 1993 13h 30m 29.20± 1.14s
 40.363 N ± 7.7km 21.328 E ± 9.7km
 DEPTH = 5.0km (geophysicist)
 GREECE (364)
 ML 2.5 (THE).
 FNA 0.42 5 iPg 30 37.80 0.1
 eSg 30 43.68
 OHR 0.85 332 iPg 30 45.70 -0.4
 0.5s 180.00nm
 iSg 30 59.50
 LIT 0.93 106 ePg 30 46.28 -1.1
 eSg 30 59.72
 GRG 1.01 54 ePg 30 48.20 -0.6
 eSg 31 02.60
 AGG 1.55 150 ePb 30 58.00 0.5
 iSb 31 18.72
 SOH 1.61 73 ePb 30 58.76 0.4
 PAIG 1.85 103 iPb 31 01.21 -0.7
 SRS 1.88 66 ePb 31 03.36 1.1
 OUR 2.03 90 ePn 31 05.04 0.6
 S.D. = 0.8 on 9 of 9 obs.
 * SEP 24, 1993 13h 41m 33.27± 1.57s
 14.182 N ±17.9km 93.095 W ±10.1km
 DEPTH = 33.0km (normal)

24d 13h

4.1mb (2 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX	1.08	48	iP	41 51.50	-0.6
			iS	42 07.50	
TER	2.34	87	eP	42 11.44	1.1
			eS	42 37.53	
IXG	2.56	90	ePc	42 12.73	-0.8
			eS	42 46.08	
SCX	2.58	10	iP	42 14.00	0.4
			iS	42 45.50	
YUP	3.19	89	eP	42 22.50	0.0
OXX	4.53	310	(P)	42 47.00	5.4X
			(S)	43 28.50	
IISM	6.30	320	(P)	43 21.50	15.2X
PPM	7.19	313	(P)	43 19.00	-0.3
LTX	17.97	329	ePd	45 42.71	0.3
MIAR	20.28	359	ePc	46 08.82	-0.1
	1.3s			11.46nm	4.1mb
YKA	50.61	347	eP	50 27.20	-3.6X
	0.9s			2.30nm	4.2mb

S.D. = 0.7 on 8 of 11 obs.

% SEP 24, 1993 15h 28m 53.76± 0.84s
40.724 N ± 7.3km 23.445 E ± 6.7km
DEPTH = 10.0km (geophysicist)

GREECE (364)

ML 1.9 (THE).

SOH	0.12	325	ePg	28 57.06	0.3
			eSg	28 59.42	
THE	0.38	256	ePg	29 00.90	-0.6
			eSg	29 05.86	
SRS	0.41	16	ePg	29 01.94	-0.2
			iSg	29 09.02	
OUR	0.56	133	ePg	29 05.22	0.0
KNT	0.60	317	iPg	29 05.42	-0.5
			eSg	29 13.70	
GRG	0.83	287	ePg	29 10.66	0.9
			iSg	29 21.66	

S.D. = 0.7 on 6 of 6 obs.

% SEP 24, 1993 15h 52m 32.80± 0.78s
26.208 S ± 9.5km 28.168 E ± 11.2km
DEPTH = 5.0km (geophysicist)

REPUBLIC OF SOUTH AFRICA (584)

ML 2.9 (PRE).

SLR	0.48	12	iPd	52 42.50	0.0
			S	52 48.60	
PRY	0.95	221	eP	52 52.00	0.5
			S	53 04.40	
BFT	1.77	73	eP	53 04.50	0.1
			S	53 26.60	
SWZ	2.72	248	eP	53 18.00	-0.1
			S	53 50.00	
BLF	3.38	211	eP	53 27.00	-0.5

S.D. = 0.5 on 5 of 5 obs.

SEP 24, 1993 16h 03m 54.23± 1.45s

6.765 N ± 29.3km 72.889 W ± 31.4km

DEPTH = 166.2 ± 23.4 km

NORTHERN COLOMBIA (99)

BOG	2.43	209	iP	04 36.50	0.4
			iS	05 07.00	
SDV	3.07	47	iPnd	04 45.20	1.3
			iSn	05 22.30	
TOV	4.29	45	ePnd	05 00.30	0.9
			iPP	05 00.90	
			iSn	05 48.80	
CEOS	5.04	63	iP	05 09.40	0.0
MORO	6.09	48	iP	05 22.60	-0.6
GUAC	6.52	58	iP	05 29.30	0.3
OLLA	6.83	61	iP	05 32.90	-0.3
PSO	7.09	219	eP	05 35.50	-1.3
GUAN	7.84	66	iP	05 44.60	-2.0
LPZ	23.38	168	Pc	08 50.90	1.0
LPB	23.63	168	P	08 58.20	6.2X
CNCB	23.92	168	iP	08 56.10	1.1
SIV	25.46	153	P	09 07.80	-0.8

S.D. = 1.2 on 12 of 13 obs.

SEP 24, 1993 16h 14m 06.04± 0.79s

26.323 S ± 7.5km 27.189 E ± 8.6km

DEPTH = 5.0km (geophysicist)

REPUBLIC OF SOUTH AFRICA (584)

ML 3.4 (PRE). mbLg 3.6 (BUL).

PRY	0.65	157	eP	14 18.40	-0.8
			S	14 24.00	
BFS	0.68	212	iPc	14 22.00	2.4
			S	14 31.00	
SLR	1.14	59	iPd	14 28.20	0.2
			S	14 41.00	
SWZ	1.87	242	eP	14 42.60	3.4X
			S	15 06.30	
BFT	2.65	77	eP	14 50.50	0.2
			S	15 19.50	
BLF	2.91	197	eP	14 54.00	-0.1
			S	15 27.00	
HVD	4.52	199	eP	15 03.10	-13.7X
			S	16 05.50	
BUL	6.29	12	iPn	15 42.40	0.5
			eSn	16 52.00	
			iSg	17 21.00	
POF	7.09	243	e(P)	16 22.00	28.9X
			S	17 48.00	
BEW	7.24	213	eP	16 27.40	32.3X
			S	17 27.00	
SUR	8.21	221	eP	16 07.00	-1.8
			S	17 35.00	
KRI	9.71	14	iPn	16 33.40	3.8X
			eSn	18 16.00	
			iSg	19 10.50	
CER	9.80	222	eP	16 27.50	-3.3X
			S	18 12.00	
WIN	9.92	290	eP	16 32.00	-0.6
			S	18 24.00	

S.D. = 1.4 on 8 of 14 obs.

* SEP 24, 1993 16h 17m 26.00± 0.74s
9.562 S ± 9.5km 122.457 E ± 8.8km
DEPTH = 33.0km (normal)

4.7mb (10 obs.)

SAVU SEA (288)

KHKI	6.87	279	eP	19 09.30	2.2
			eS	20 24.00	
			e	22 53.00	
KNA	8.70	136	iPc	19 31.20	-1.4
MTN	9.11	112	iPd	19 26.90	-11.4X
			eS	21 24.00	
MBL	11.81	192	eP	20 13.00	-2.1
	0.4s			37.00nm	5.9mb X
			eS	22 14.00	
NANU	14.53	206	iPd	20 50.40	-0.9
			eS	23 20.50	
WR2	15.45	133	eP	20 59.20	-4.1X
	0.7s			40.60nm	4.8mb
			eS	23 39.10	
MEEK	17.37	192	eP	21 28.40	0.8
			eS	24 27.00	
ASPA	17.79	143	iPd	21 31.80	-1.0
	0.5s			35.20nm	4.7mb
	22s			0.20um	4.0msz
			eS	24 34.20	
QIS	19.82	125	eP	21 58.20	1.2
			eS	25 32.00	
MRWA	20.47	196	iPc	22 03.70	0.0
	0.5s			27.00nm	4.9mb
			eS	25 38.00	
BAL	21.61	194	eP	22 15.00	-0.3
			eS	26 05.00	
WWKK	21.83	76	eP	22 18.40	0.8
KLB	22.35	191	iPc	22 23.00	0.4
	0.4s			7.00nm	4.5mb
			eS	26 22.70	
MUN	23.05	194	eP	22 29.80	0.3
	0.8s			25.00nm	4.8mb
			eS	26 39.00	
NWAO	23.75	191	iPc	22 36.80	0.6
	0.4s			5.00nm	4.4mb
			eS	26 48.60	
CTA	25.24	117	iPc	22 52.40	1.6
	1.0s			138.00nm	5.5mb
STK	28.42	144	iPd	23 19.80	0.0
	0.5s			5.60nm	4.5mb
			eS	28 45.10	
TOO	34.77	147	eP	24 17.00	1.4
MAT	48.19	17	eP	26 03.00	-2.4
GBA	50.26	297	P	26 19.80	-1.7
	0.5s			3.00nm	4.6mb
SPA	80.50	180	iPc	29 36.70	0.6

	0.6s	8.13nm	4.9mb
MOCB	148.36	165 PKP	37 02.50 -6.0X
CNCB	151.83	158 iPKP	37 22.50 8.5X
LPB	152.05	158 (PKP)	37 23.00 8.9X
LPZ	152.26	158 PKPc	37 22.90 8.2X
		i	37 33.10

S.D. = 1.4 on 19 of 25 obs.

SEP 24, 1993 16h 35m 50.09± 0.34s
3.965 S ± 5.5km 129.943 E ± 9.0km
DEPTH = 33.0km (normal)

4.8mb (14 obs.)
SERAM, INDONESIA (272)

MTN	8.90	172	eP	38 00.00	0.5
			eS	39 40.00	
KNA	11.77	186	eP	38 38.50	-0.2
WR2	16.46	165	eP	39 34.50	-5.8X
			eS	42 34.90	
PMG	17.93	108	eP	39 58.00	-0.6
QIS	18.99	151	eP	40 10.00	-1.6
			i	40 11.40	
GQP	19.25	337	ePc	40 15.00	0.3
MBL	19.72	209	eP	40 19.00	-1.0
	0.3s			3.00nm	4.1mb
ASPA	19.96	169	iPc	40 21.60	-0.9
	0.3s			122.60nm	5.7mb
			eS	43 58.50	
CTA	22.57	137	iPd	40 50.30	1.3
	0.5s			333.45nm	6.1mb X
CVP	22.97	340	eP	40 54.00	1.1
MRWA	28.39	206	eP	41 43.00	-0.6
	0.3s			2.00nm	4.3mb
KLB	29.77	201	iPd	41 55.30	-0.8
	0.5s			5.00nm	4.5mb
STK	29.85	160	iPd	41 56.50	-0.2
	0.4s			11.50nm	5.0mb
			e	46 49.70	
ADE	31.90	166	eP	42 15.50	0.7
ARMA	33.34	144	iPc	42 28.00	0.5
	0.7s			11.00nm	4.9mb
BWA	34.83	153	eP	42 41.90	1.7
NST	35.37	304	eP	42 46.00	1.1
CAN	35.84	153	eP	42 49.40	0.6
			iPc	42 54.00	16kmX
CNB	36.00	152	eP	42 51.60	1.4
TOO	36.35	159	iPc	42 50.00	-3.1X
	0.7s			31.00nm	5.3mb
BDT	37.11	305	eP	43 02.00	2.4
	0.6s			32.20nm	5.4mb
GYA	37.71	325	P	43 04.80	0.1
CHTO	38.00	308	ePd	43 08.10	1.0
	0.9s			26.21nm	5.1mb
DZM	39.69	120	iPc	43 20.90	-0.4
MAT	41.03	10	eP	43 29.00	-3.0X
	0.9s			8.40nm	4.5mb
XAN	42.69	334	P	43 45.00	-0.7
TIY	44.54	340	eP	44 00.40	-0.3
BJI	45.58	345	eP	44 08.00	-0.8
HHC	47.67	341	eP	44 27.30	1.9
CN2	47.72	356	eP	44 23.80	-1.8
	0.8s			7.10nm	4.7mb
MDJ	48.36	360	eP	44 29.50	-1.1
GTA	51.32	330	eP	44 52.50	-1.0
	1.5s			7.00nm	4.4mb
GBA	54.95	290	P	45 19.20	-1.4
	0.4s			5.00nm	4.9mb
HYB	54.98	294	eP	45 20.40	-0.5
WMQ	60.85	326	P	46 01.30	-0.4
	0.8s			5.80nm	4.8mb
MOCB	150.65	149	PKP	55 42.50	6.4X
CNCB	152.80	140	iPKP	55 47.90	8.4X
LPB	152.93	139	(PKP)	55 48.00	8.5X
LPZ	153.09	139	PKPc	55 48.00	8.1X
			i	56 00.00	

S.D. = 1.1 on 32 of 39 obs.

SEP 24, 1993 16h 43m 19.23± 0.42s
43.467 N ± 6.7km 17.375 E ± 6.0km
DEPTH = 5.0km (geophysicist)

NORTHWESTERN BALKAN REGION (383)

24d 16h

HCY 1.31 141 iPg 43 43.40 -0.5
 iSg 44 03.31
 NKY 1.36 118 iPg 43 43.72 -1.1
 iSg 44 04.69
 PLE 1.48 95 iPg 43 45.86 -0.8
 iSg 44 07.61
 BDV 1.59 137 iPg 43 48.54 0.4
 iSg 44 12.93
 TTG 1.73 126 iPnc 43 50.46 0.4
 iSn 44 16.11
 IVA 1.94 107 iPnc 43 53.93 0.7
 iSn 44 21.67
 ULC 2.04 137 iPnd 43 55.76 1.1
 iSn 44 24.36
 PVY 2.10 114 iPnd 43 56.55 1.0
 iSn 44 25.11
 SDA 2.11 131 ePn 43 57.40 1.8
 BCI 2.26 118 iPn 44 00.40 2.5X
 iSn 44 33.40
 LACI 2.51 136 ePn 44 07.00 5.6X
 VBY 2.54 324 ePn 44 01.50 -0.3
 iSg 44 36.50
 PTJ 2.63 338 iPn 44 01.90 -1.3
 iSn 44 36.00
 TIR 2.81 138 ePn 44 11.50 5.9X
 RIY 2.85 312 e(Pn) 44 06.60 0.4
 PHP 2.88 127 ePn 44 08.80 2.1X
 iSn 44 52.80
 CEY 3.10 318 ePn 44 10.50 0.8
 eSn 44 51.10
 e(Sg) 44 54.10
 LJU 3.28 323 ePn 44 19.30 7.1X
 e(Sg) 45 12.50
 SKO 3.35 115 ePn 44 12.50 -0.8
 i 45 09.80
 TRI 3.42 312 e(Pn) 44 18.70 4.5X
 e(Pb) 44 24.70
 e 44 30.50
 e 45 07.50
 i(Sg) 45 12.90
 OHR 3.46 132 ePn 44 18.00 3.0X
 VOY 3.57 317 ePn 44 17.00 0.6
 eSn 44 54.10
 e 45 02.40
 e(Sg) 45 12.50
 e 45 18.00
 TPE 3.73 147 ePn 44 19.50 0.8
 KBA 4.60 323 iPnd 44 31.60 0.5
 0.7s 14.10nm
 i 45 30.90
 i 45 50.70
 i 46 02.50
 ZST 4.73 358 eP 44 36.90 4.0X
 e 44 44.00
 GEC2 5.95 336 Pn 44 50.10 -0.1
 Sn 45 54.30
 S.D. = 1.1 on 20 of 28 obs.

 SEP 24, 1993 16h 53m 30.54 ± 0.20s
 42.326 N ± 1.7km 122.019 W ± 3.3km
 DEPTH = 5.0km (geophysicist)
 4.0mb (3 obs.)
 OREGON (32)
 ML 4.1 (GS). Felt (IV) at Dairy
 and (III) at Keno. Also felt at
 Klamath Falls, Oregon and
 Tulelake, California.

LHEM 0.71 192 P 53 45.29 0.5
 BBOR 0.74 319 P 53 43.94 -1.5
 YBH 0.79 221 ePc 53 45.36 -1.0
 eS 53 56.90
 LASM 0.80 155 P 53 45.72 -0.9
 LBFM 0.98 174 eP 53 48.97 -0.8
 LPDM 1.15 168 P 53 52.56 -0.1
 DBO 1.20 312 P 53 52.35 -1.1
 S 54 09.08
 LBKM 1.33 202 P 53 56.65 1.0
 HSO 1.43 327 P 53 55.04 -2.3
 S 54 15.81
 KSXM 1.47 251 P 53 57.34 -0.5
 KOMM 1.50 226 P 53 57.97 -0.2
 NCOR 1.52 25 P 53 57.35 -1.3
 S 54 18.78
 HBO 1.53 352 Pd 53 57.53 -1.2
 LGPM 1.54 204 eP 53 57.96 -0.8
 KRMM 1.62 241 P 54 02.70 2.7X

WDC 1.79 193 eP 54 02.22 -0.1
 TCO 1.81 10 P 54 01.48 -1.3
 LCFM 1.87 168 P 54 04.40 0.6
 KHRM 1.89 209 P 54 05.78 1.8
 LDBM 1.90 175 P 54 04.28 0.2
 LSLM 1.92 169 P 54 05.40 1.0
 LHKM 1.97 163 P 54 06.23 1.1
 FBO 2.03 349 P 54 04.31 -1.5
 S 54 32.32
 RNO 2.03 322 P 54 05.41 -0.4
 S 54 36.45
 FHC 2.12 225 eP 54 07.34 0.2
 GMO 2.25 20 P 54 08.90 -0.3
 KCRM 2.33 216 P 54 12.86 2.6X
 BPO 2.34 6 P 54 10.78 0.3
 VIPM 2.41 25 P 54 10.84 -0.6
 MPOR 2.45 333 P 54 11.89 0.0
 S 54 46.37
 KMPM 2.48 220 eP 54 10.38 -1.9
 SSOR 2.55 353 P 54 13.81 0.5
 VBEM 2.75 6 P 54 19.05 2.8X
 CROR 2.76 15 P 54 16.72 0.4
 ORV 2.80 172 eP 54 17.58 0.8
 GT2 2.84 356 P 54 18.92 1.5
 S 54 59.06
 TDH 2.97 3 P 54 20.47 1.2
 VLL 3.15 4 P 54 22.76 1.0
 TKO 3.22 342 P 54 22.49 -0.3
 VGB 3.31 15 eP 54 24.93 0.8
 APM 3.42 4 P 54 32.93 7.3X
 KMOR 3.48 343 P 54 27.27 0.8
 JBO 3.51 26 P 54 28.32 1.4
 GULW 3.61 5 P 54 29.81 1.4
 MTMW 3.70 358 P 54 30.23 0.5
 GL2 3.73 13 P 54 34.13 4.0X
 CDFW 3.79 360 P 54 31.90 1.0
 ASR 3.84 4 P 54 32.90 1.3
 SHW 3.87 358 eP 54 31.90 -0.2
 FL2 3.88 357 P 54 36.32 4.1X
 PATW 3.91 24 P 54 38.49 6.0X
 STD 3.91 358 P 54 33.69 1.0
 ERK 3.99 357 P 54 38.06 4.3X
 TDL 4.03 358 P 54 35.29 1.0
 HMR 4.17 178 (P) 54 36.29 0.1
 BMW 4.24 349 (P) 54 37.61 0.4
 GLK 4.25 4 P 54 38.13 0.7
 WFW 4.39 4 P 54 39.82 0.4
 BRVW 4.41 19 P 54 39.94 0.3
 RSW 4.42 22 P 54 39.86 0.0
 LON 4.43 2 eP 54 39.26 -0.7
 MXC 4.43 16 P 54 39.29 -0.6
 LNOR 4.45 36 P 54 41.01 0.8
 CMB 4.46 163 eP 54 41.18 0.7
 NAC 4.49 11 P 54 42.91 2.1
 WIW 4.55 25 P 54 41.11 -0.4
 MDW 4.58 20 P 54 42.45 0.4
 GBL 4.65 22 P 54 42.77 -0.2
 EBG 4.70 12 P 54 48.77 5.0X
 BVW 4.74 18 P 54 44.53 0.2
 LOCW 4.77 22 P 54 44.13 -0.6
 WAH2 4.77 21 P 54 44.06 -0.6
 ARN 4.98 176 eP 54 47.84 0.0
 BONR 5.21 146 eP 54 51.29 0.0
 MEMM 5.22 152 (P) 54 51.38 0.3
 MMPM 5.24 153 eP 54 52.76 1.0
 GMW 5.25 354 (P) 54 52.46 0.9
 MRCM 5.37 149 eP 54 54.48 0.9
 TNP 5.61 137 eP 54 56.49 -0.4
 MTUM 5.63 151 eP 54 58.14 1.0
 DPW 6.17 25 (P) 55 00.82 -3.7X
 HUV 6.90 91 (P) 55 14.68 -0.4
 TPNV 6.97 138 (P) 55 17.94 1.9
 MCMT 7.11 66 eP 55 16.50 -1.6
 PTI 7.14 82 (P) 55 17.93 -0.4
 HHAI 7.16 79 (P) 55 21.32 2.8X
 DUG 7.26 104 (P) 55 23.76 3.8X
 MSU 8.42 114 eP 55 35.08 -1.2
 SRU 9.30 106 (P) 55 47.40 -1.0
 TUC 13.40 135 (P) 56 43.47 -0.5
 WMOK 19.66 105 eP 58 00.50 -2.7
 0.7s 6.53nm 4.0mb
 YKA 20.67 10 eP 58 12.50 -1.1
 0.8s 1.80nm 3.5mb
 UYO 23.05 102 iPc 58 35.40 -2.3
 NB2 70.20 22 P 04 42.80 -3.1X
 0.9s 1.90nm 4.2mb
 S.D. = 1.0 on 81 of 94 obs.

 & SEP 24, 1993 17h 03m 36.85s
 64.197 N 164.414 W
 DEPTH = 0.0km
 NORTHERN ALASKA (676)
 <AEIC>. ML 3.8 (AEIC), 3.9
 (PMR). Felt (III) at Nome.

ANM 0.56 312 iPc 03 46.83 -1.1
 TTA 3.97 105 eP 04 36.79 -3.6
 IM3 4.85 64 eP 04 52.56 -0.3
 eS 05 50.91
 IMA 4.91 63 eP 04 53.37 -0.4
 eS 05 53.10
 SVW 5.10 123 eP 04 55.40 -1.0
 KTH 6.00 90 eP 05 10.25 1.2
 SKT 6.26 105 eP 05 11.09 -1.6
 BGL 6.26 113 eP 05 10.42 -2.4
 CP2 6.32 112 eP 05 11.99 -1.8
 CGLM 6.39 111 eP 05 12.76 -1.9
 BKG 6.42 114 eP 05 11.62 -3.4
 NCT 6.46 119 eP 05 13.48 -2.2
 PDB 6.53 128 eP 05 15.50 -1.1
 DFR 6.54 118 eP 05 16.40 -0.3
 RDW 6.56 119 eP 05 16.16 -1.0
 RS2 6.59 119 eP 05 14.08 -3.5
 RED 6.62 120 eP 05 16.91 -0.9
 RDT 6.66 118 eP 05 15.47 -2.9
 IL1 7.59 78 eP 05 29.40 -2.0
 ILB 7.59 78 eP 05 29.40 -2.0
 20 obs. associated

 SEP 24, 1993 17h 25m 24.56 ± 0.42s
 42.238 N ± 2.9km 122.037 W ± 6.2km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.5 (GS). MD 3.4 (SEA).

LHEM 0.62 193 P 25 37.34 0.3
 LGMM 0.66 167 P 25 38.20 0.5
 YBH 0.71 225 eP 25 38.11 -0.7
 eS 25 47.63
 LMHM 0.72 157 P 25 39.36 0.4
 LASM 0.72 152 P 25 39.06 0.0
 LBFM 0.90 173 eP 25 42.13 -0.2
 LGBM 0.90 188 P 25 42.38 -0.1
 LBKM 1.24 202 P 25 47.80 -0.4
 DBO 1.25 315 P 25 47.09 -1.2
 S 26 02.62
 KSXM 1.43 254 P 25 52.91 1.6
 LGPM 1.45 204 eP 25 50.79 -0.8
 HSO 1.50 329 P 25 51.22 -1.0
 HBO 1.62 353 P 25 52.73 -1.3
 WDC 1.70 193 eP 25 54.52 -0.5
 FHC 2.05 226 (P) 26 01.62 1.5
 RNO 2.09 324 P 26 01.60 0.9
 VIPM 2.49 24 P 26 08.58 2.0
 MPOR 2.52 335 P 26 07.92 1.0
 SSOR 2.64 353 P 26 09.11 0.5
 ORV 2.71 171 eP 26 08.54 -1.0
 VGB 3.40 15 eP 26 18.08 -1.3
 LON 4.51 2 eP 26 35.10 -0.1
 S.D. = 1.0 on 22 of 22 obs.

 * SEP 24, 1993 17h 40m 53.25 ± 0.91s
 12.637 N ± 23.1km 124.065 E ± 36.7km
 DEPTH = 123.3 ± 12.5 km
 4.3mb (2 obs.)
 SAMAR, PHILIPPINE ISLANDS (251)

PLP 1.71 148 iPd 41 24.00 0.2
 eS 41 36.20
 GQP 2.02 309 iP 41 27.50 0.0
 MAP 2.30 182 iPd 41 35.00 3.8X
 BIP 4.88 154 eP 42 05.50 -0.2
 eS 43 01.00
 CVP 5.48 337 eP 42 13.90 0.0
 WR2 33.93 162 eP 47 25.70 -1.0
 0.6s 2.30nm 4.1mb
 ASPA 37.34 165 eP 47 56.50 1.0
 0.7s 4.20nm 4.4mb
 S.D. = 1.0 on 6 of 7 obs.

 SEP 24, 1993 17h 50m 55.22 ± 0.78s
 42.286 N ± 5.5km 121.982 W ± 7.9km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)

24d 17h

ML 2.9 (GS).					YAH 8.82 61 iP 20 00.73 -2.9					MCMT 34.65 335 ePc 59 09.40 1.5				
					35 obs. associated					YKA 50.36 347 eP 01 13.60 -1.1				
LGM	0.69	171	P	51 09.56 0.4						0.8s 6.00nm 4.7mb				
LMHM	0.75	161	P	51 10.56 0.4	* SEP 24, 1993 18h 24m 01.85± 2.53s					INK 59.73 344 eP 02 22.00 -0.6				
LASM	0.75	156	P	51 10.02 -0.2	37.947 N ±16.2km 27.018 E ±21.3km					1.0s 3.00nm 4.4mb				
LMPM	0.81	190	P	51 11.61 0.1	DEPTH = 10.0km (geophysicist)					CRP 62.80 332 eP 02 44.04 0.5				
LBFM	0.94	176	eP	51 13.82 0.0	TURKEY (366)					CP2 62.84 332 eP 02 42.00 -1.9				
					ML 3.2 (ISK).					GEC2 89.84 39 PKP 05 16.30 0.5				
LGBM	0.95	190	P	51 14.18 0.2						1.3s 1.51nm 4.1mb				
LBKM	1.31	203	P	51 19.71 -0.2	IZM 0.49 23 iPg 24 10.50 -1.3					GBA 150.54 19 PKP 12 09.00 5.1X				
KOMM	1.49	228	P	51 24.30 1.5	eSg 24 18.50					S.D. = 1.1 on 18 of 24 obs.				
LGFM	1.51	205	eP	51 22.18 -0.9	CIN 0.91 112 ePg 24 19.00 -0.3									
WDC	1.76	194	eP	51 26.83 0.3	isg 24 34.00					SEP 24, 1993 19h 22m 23.43± 0.68s				
FHC	2.11	226	eP	51 30.76 -0.9	EZM 1.95 344 ePn 24 34.60 -0.7					14.370 S ± 4.9km 167.138 E ± 3.8km				
ORV	2.75	172	eP	51 40.11 -0.7	EDC 2.48 15 ePn 24 44.00 1.0					DEPTH = 179.4 ± 6.5 km				
VGB	3.34	15 (P)		51 49.32 0.1	KCT 2.52 24 ePn 24 45.00 1.5					4.9mb (32 obs.)				
S.D. = 0.7 on 13 of 13 obs.					MFT 2.84 4 ePn 24 48.00 -0.2					VANUATU ISLANDS (186)				
					S.D. = 1.4 on 6 of 6 obs.									
* SEP 24, 1993 18h 14m 02.73± 1.85s					SEP 24, 1993 18h 27m 15.00s					BKM 3.45 162 iPd 23 16.00 -2.1				
45.626 N ±18.5km 15.738 E ±12.2km					36.560 N 89.580 W					iS 23 58.00				
DEPTH = 10.0km (geophysicist)					DEPTH = 6.8km					PVC 3.54 162 iPd 23 20.20 1.0				
NORTHWESTERN BALKAN REGION (383)					NEW MADRID, MISSOURI REGION (486)					iS 24 03.50				
ZAG	0.26	42	iPg	14 08.30 0.1	<SLM-P>. MD 2.8 (SLM). mbLg 3.0					DZM 7.69 185 iPc 24 12.90 -0.8				
PTJ	0.31	29	iPg	14 13.00	(GS). Felt (IV) at Marston and					iS 25 37.90				
VBV	0.36	250	iPg	14 14.20	Parma. Felt (III) at Lilbourn.					HNR 8.58 304 eP 24 25.00 -0.3				
CEY	0.93	277	ePg	14 20.80 0.4	NMMO 0.04 39 iPd 27 16.70 0.2					VUN 11.46 110 eP 25 05.20 2.2				
VOY	1.35	288	ePn	14 27.90 0.2	LST 0.13 253 iPd 27 17.79 0.0					SVA 11.49 110 eP 25 04.50 1.2				
TRI	1.39	274	e(Pg)	14 28.80 0.7	DWM 0.26 16 ePd 27 20.19 0.0					KVG 19.92 304 eP 26 42.20 -1.1				
GEC2	3.51	337	Pn	14 57.60 -0.9	DRTN 0.46 158 P 27 23.36 -0.8					PMG 20.16 282 eP 26 46.00 0.4				
S.D. = 0.7 on 7 of 7 obs.					eS 27 23.68					CTA 20.73 251 iPd 26 52.70 1.3				
					FMKY 0.55 79 eP 27 25.50 -0.5					0.9s 353.78nm 5.9mb				
& SEP 24, 1993 18h 17m 57.51s					UTMA 0.56 118 P 27 26.00 -0.1					ARMA 21.42 219 iPc 27 00.30 2.0				
57.044 N 157.449 W					DON 0.68 335 eP 27 27.62 -1.0					0.8s 79.00nm 5.3mb				
ALASKA PENINSULA (12)					ELC 0.78 21 eP 27 29.27 -1.1					BWA 26.17 217 iPc 27 42.30 -0.7				
<AEIC>.					LRDO 1.08 237 P 27 34.36 -1.2					CNB 26.28 214 iPc 27 45.10 1.0				
SDN	2.41	226	P	18 35.20 -1.6	LLKY 1.24 73 eP 27 37.57 -0.8					0.5s 23.00nm 5.1mb				
CDD	2.77	45	eP	18 39.59 -2.0	EBZ 1.43 172 P 27 41.06 -0.3					CAN 26.48 215 iPc 27 46.40 0.5				
KDC	2.77	73	eP	18 39.78 -1.8	FVM 1.57 335 eP 27 43.04 -0.4					LTZ 28.66 172 P 28 03.70 -1.7				
SYI	3.13	58	iP	18 44.45 -1.8	MOKY 1.63 55 eP 27 46.07 1.9					STK 29.13 229 iPc 28 10.70 1.0				
PDB	3.24	31	eP	18 46.35 -1.4	OXF 2.05 176 eP 27 50.75 0.5					0.5s 43.80nm 5.4mb				
CNPM	4.12	50	eP	18 57.03 -2.5	eS 28 18.20					TOO 30.06 216 iPc 28 18.60 0.7				
SVW	4.18	12 (P)		18 59.71 -0.8	MIAR 3.83 240 ePn 28 14.39 -1.3					0.9s 82.00nm 5.5mb				
RS2	4.21	34	eP	18 59.99 -1.0	ePg 28 22.54					BWZ 30.15 176 eP 28 16.80 -1.6				
DFR	4.33	33	eP	19 00.99 -1.6	Sn 28 59.97					TUZ 31.56 177 P 28 29.80 -0.9				
CP2	5.01	30	eP	19 08.43 -3.4	Sg 29 14.98					WR2 31.77 255 iPc 28 31.50 -1.4				
CRP	5.04	31	eP	19 08.20 -4.0	GBTN 4.44 100 eP 28 23.97 -0.3					1.0s 9.40nm 4.5mb				
CGLM	5.11	31	eP	19 10.03 -3.1	UYO 4.65 241 iPc 28 24.50 -2.8					iPcP 29 36.60				
SLKM	5.12	44	eP	19 10.72 -2.4	MYNC 4.67 107 eP 28 23.97 -3.7					iScP 33 34.10				
NCG	5.15	30	iP	19 11.12 -2.5	eS 29 36.74					eS 33 56.50				
SEW	5.19	50	eP	19 11.48 -2.6	PRM 6.40 111 (P) 28 51.94 0.0					ASPA 32.69 249 iPd 28 39.70 -1.2				
MPA	5.44	47	eP	19 14.60 -2.9	19 obs. associated					0.5s 28.00nm 5.2mb				
SUA	5.61	35	eP	19 16.01 -3.9	SEP 24, 1993 18h 52m 21.56± 1.79s					e 29 13.10				
SKT	5.79	29	eP	19 19.02 -3.4	14.466 N ±23.5km 92.972 W ±11.0km					iS 33 40.90				
PMS	5.85	41	eP	19 18.89 -4.3	DEPTH = 55.5 ± 9.9 km					ADE 32.79 226 iPc 28 42.70 1.0				
PWL	6.07	47	eP	19 22.04 -4.1	4.3mb (6 obs.)					MTN 35.01 268 eP 29 01.00 0.2				
KNK	6.36	43	eP	19 26.39 -3.7	NEAR COAST OF CHIAPAS, MEXICO (69)					KNA 37.05 263 iPd 29 18.30 0.4				
HIN	6.62	55	eP	19 29.74 -3.9	TPX 0.81 58 eP 52 38.00 0.9					0.8s 54.00nm 5.3mb				
SML	6.66	40	eP	19 30.31 -4.0	SCX 2.28 8 iP 53 01.00 3.6X					FORT 39.37 239 iPc 29 37.20 0.1				
CVA	7.02	55	eP	19 34.82 -4.2	iS 53 35.00					AFR 41.48 100 iPd 29 54.80 0.3				
VLZ	7.04	50	eP	19 35.45 -3.8	IXG 2.46 96 eP 52 49.09 -11.0X					0.7s 18.50nm 4.8mb				
SCM	7.05	43	eP	19 35.66 -3.8	eS 53 31.46					PAE 41.67 100 iPd 29 56.20 0.2				
SGAM	7.24	56	iP	19 38.19 -3.9	YUP 3.08 95 eP 53 08.65 -0.4					0.8s 35.70nm 5.0mb				
KLU	7.40	48	iP	19 39.98 -4.3	OXX 4.45 306 eP 53 27.00 -1.3					PPT 41.67 100 iPd 29 56.30 0.2				
RAGM	7.45	58	eP	19 41.52 -3.3	LVVM 6.21 328 (P) 53 53.00 0.2					0.7s 27.30nm 4.9mb				
HMT	7.62	59	eP	19 43.43 -3.8	IIT 6.83 312 (P) 54 08.00 6.2X					PPN 41.81 100 iPd 29 57.40 0.2				
GLB	8.26	52	eP	19 52.00 -3.9	ACX 7.05 291 (P) 54 11.00 6.4X					0.9s 41.90nm 5.0mb				
CRQM	8.29	57	eP	19 53.33 -3.0	PPM 7.09 311 (P) 54 06.00 0.4					TVO 41.98 101 iPd 29 58.40 -0.2				
WAX	8.32	60	iP	19 53.49 -3.2	UNM 7.66 310 (P) 54 55.00 41.6X					0.7s 80.00nm 5.4mb				
BALM	8.75	57	eP	19 58.74 -3.8	LTX 17.80 328 eP 56 26.81 -0.2					PMO 43.44 97 iPd 30 10.50 0.0				
					UYO 19.66 356 iPc 56 47.10 -1.7					0.6s 41.50nm 5.2mb				
					MIAR 20.00 359 eP 56 51.84 -0.5					VAH 43.68 97 iPd 30 12.10 -0.3				
					1.0s 20.88nm 4.4mb					0.9s 43.60nm 5.0mb				
					ALQ 23.74 332 eP 57 30.70 0.9					RUV 43.92 97 iPd 30 14.20 -0.1				
					0.9s 2.53nm 3.7mb					0.9s 43.60nm 5.0mb				
					TUC 24.08 321 eP 57 34.59 1.6					MBL 45.42 254 iPd 30 25.80 -0.4				
					1.1s 7.82nm 4.1mb					0.3s 6.00nm 4.6mb				
					PV08 27.72 333 eP 58 08.14 1.0					MEEK 46.81 247 eP 30 37.00 -0.1				
					DAU 30.39 332 eP 58 31.21 0.2					0.3s 9.00nm 4.8mb				
										NWA0 48.82 239 iPc 30 52.00 -0.6				
										0.8s 15.00nm 4.6mb				
										MRWA 49.36 244 eP 30 56.00 -0.7				
										0.8s 17.00nm 4.7mb				
										NANU 49.43 253 iPc 30 57.50 0.3				
										0.9s 51.00nm 5.1mb				
										MUN 49.53 240 eP 30 57.70 -0.2				
										0.8s 17.00nm 4.7mb				

CHJJ	56.77	333	eP	31	51.30	0.4
IIDJ	56.79	332	eP	31	50.40	-0.7
MAT	57.53	332	eP	31	55.00	-1.3
	0.8s	5.22nm			4.4mb	
MTMJ	57.75	332	P	31	56.90	-1.0
CSY	63.82	202	iPd	32	37.50	-0.8
	1.1s	18.30nm			4.9mb	
MDJ	67.90	332	eP	33	04.70	0.2
CN2	69.27	329	eP	33	13.00	0.1
	0.8s	7.10nm			4.5mb	
TIY	72.91	317	eP	33	36.00	1.2
XAN	73.35	313	P	33	38.00	0.5
	1.0s	8.00nm			4.4mb	
		pP	34	18.50	167kmX	
CHTO	74.81	294	eP	33	47.00	0.9
HHC	75.23	320	eP	33	48.00	-0.2
SPA	75.72	180	iPc	33	50.00	-0.6
	1.1s	34.52nm			5.0mb	
CIT	80.66	330	eP	34	18.80	1.3
YAK	81.63	343	iPc	34	22.00	-0.2
	1.0s	35.00nm			5.0mb	
SLKM	82.04	20	eP	34	24.21	-0.3
MAW	82.17	202	iP	34	25.80	0.8
	1.0s	33.33nm			5.0mb	
GTA	82.33	314	eP	34	27.80	1.3
	1.5s	18.00nm			4.6mb	
PMR	83.21	19	(P)	34	30.67	0.3
	0.5s	4.08nm			4.5mb	
BALM	85.15	22	eP	34	38.82	-1.5
ZAK	85.19	325	eP	34	40.80	0.4
	1.1s	14.00nm			4.7mb	
FBA	86.05	18	(P)	34	42.44	-2.1
GBA	93.02	283	P	35	20.00	1.9
OBN	124.32	328	iPKPd	41	02.00	-0.1
	1.5s	42.00nm				
KAF	124.82	339	iPKP	41	01.90	-1.0
	0.5s	4.80nm				
NUR	126.49	338	ePKP	41	06.00	-0.2
	0.4s	12.20nm				
NB2	130.25	345	PKP	41	13.50	0.1
	0.7s	2.70nm				
HFS	130.34	343	ePKP	41	12.60	-0.9
	0.5s	1.20nm				
BRG	137.63	335	iPKP	41	30.20	2.5X
		i	44	47.40		
CLL	137.67	336	iPKPd	41	29.70	2.0
	1.1s	11.00nm				
SRO	137.82	329	ePKP	41	30.80	2.7X
ZST	138.16	330	ePKP	41	28.90	0.2
		e	44	49.00		
MOX	138.74	336	ePKP	41	32.30	2.6X
GEC2	139.27	333	PKP	41	30.20	-0.7
	0.8s	1.26nm				
SKO	139.58	320	iPKP	41	31.50	0.0
		i	44	53.00		
GRF	139.65	336	ePKP	41	31.80	0.4
OHR	140.45	319	ePKP	41	28.00	-5.2X
BSF	142.86	338	ePKP	41	36.60	-0.7
FLN	144.22	346	iPKPc	41	37.70	-1.7
	1.2s	20.55nm				
LDF	144.29	345	iPKPc	41	37.90	-1.6
	0.9s	12.30nm				
LOR	144.36	340	iPKPc	41	38.80	-0.9
	1.0s	16.00nm				
LBF	144.57	340	iPKPc	41	39.40	-0.7
	1.2s	31.55nm				
SSF	144.65	341	iPKPc	41	39.90	-0.3
	0.9s	50.95nm				
GRR	144.66	346	iPKPc	41	39.50	-0.6
	0.8s	26.05nm				
LSD	144.69	335	PKP	41	40.63	0.0
RSL	144.72	336	PKP	41	39.29	-1.3
HYF	144.74	342	ePKP	41	40.40	0.1
LPL	144.82	336	iPKPc	41	41.00	0.2
	1.0s	32.20nm				
LPG	144.82	336	iPKPc	41	41.10	0.2
	1.0s	33.40nm				
PCP	144.84	333	PKP	41	40.95	0.3
RSP	144.90	335	PKP	41	40.76	-0.1
SMF	144.91	340	iPKPc	41	40.60	-0.1
	1.1s	50.30nm				
AVF	144.94	340	iPKPc	41	40.60	-0.1
	1.1s	42.00nm				
LPF	145.03	346	iPKPc	41	40.80	0.0
	0.8s	42.20nm				
BHB	145.15	335	PKP	41	40.40	-0.7
FIN	145.26	333	PKP	41	40.90	-0.4

BGF	145.31	341	iPKPc	41	42.00	0.7
	1.1s	65.95nm				
ROB	145.33	333	PKP	41	41.04	-0.5
PZZ	145.49	334	PKP	41	41.22	-0.7
ENR	145.58	334	PKP	41	41.13	-0.9
STV	145.61	334	PKP	41	41.27	-0.7
IMI	145.63	333	PKP	41	42.41	0.4
MAF	145.70	341	iPKPc	41	43.20	1.2
	0.7s	11.70nm				
TCF	145.75	341	iPKPc	41	43.30	1.2
	1.3s	50.90nm				
SSB	145.85	338	PKP	41	42.81	0.5
SBF	145.87	333	iPKPc	41	43.30	0.9
	0.9s	50.95nm				
LSF	145.99	342	iPKPc	41	43.70	1.2
	0.7s	11.35nm				
MFF	146.14	344	iPKPc	41	44.20	1.5
	0.7s	19.05nm				
PGF	146.18	330	iPKPc	41	44.70	1.7
	1.1s	69.10nm				
FRF	146.45	334	iPKPc	41	45.10	1.8
	0.8s	45.40nm				
LRG	146.66	334	iPKPc	41	46.00	2.4X
	0.7s	24.15nm				
LMR	146.69	334	iPKPc	41	46.00	2.3X
	0.8s	44.05nm				
RJF	146.85	341	iPKPc	41	46.60	2.7X
	1.1s	38.85nm				
CAF	147.01	340	iPKPc	41	47.20	3.0X
	1.3s	40.45nm				
LFF	147.42	342	iPKPc	41	48.20	3.4X
	0.9s	32.90nm				
LPO	147.51	341	iPKPc	41	48.50	3.6X
	0.7s	17.85nm				
EPF	149.26	341	iPKPc	41	53.40	5.6X
	0.4s	4.75nm				
EGRA	150.23	341	ePKP	41	55.72	6.5X
ECRI	150.48	344	iPKPd	41	57.18	7.5X
STS	151.34	353	ePKP	41	57.84	7.0X
ETOR	152.01	342	iPKPc	41	59.83	7.8X
S.D. = 0.9 on 103 of 118 obs.						

% SEP	24, 1993	20h 32m	01.90±	0.73s		
	39.628 N ± 5.7km		27.501 E ± 7.5km			
	DEPTH = 10.0km (geophysicist)					
TURKEY					(366)	
ML 2.8 (ISK).						
EDC	0.77	21	iPg	32	16.50	-0.4
			eSg	32	28.00	
BNT	0.80	24	ePg	32	17.50	0.1
KGt	0.84	350	iPg	32	18.20	0.2
			iSg	32	29.70	
KCT	0.90	46	ePg	32	19.40	0.2
			eSg	32	33.40	
EZN	0.93	283	iPn	32	19.60	0.0
MFT	1.17	352	ePn	32	23.80	0.0
IZM	1.24	189	ePn	32	25.00	0.0
S.D. = 0.3 on 7 of 7 obs.						

& SEP	24, 1993	20h 38m	10.48s			
	59.017 N		152.130 W			
	DEPTH = 62.4km					
SOUTHERN ALASKA					(2)	
<AEIC>. ML 2.5 (AEIC).						
SYI	0.43	199	iP	38	21.43	-0.6
XLV	0.49	25	eP	38	21.58	-1.0
			eS	38	30.97	
CNPM	0.69	42	iP	38	24.25	-0.6
			eS	38	34.52	
HOM	0.69	21	eP	38	24.34	-0.5
			eS	38	35.30	
AUE	0.73	299	iP	38	24.81	-0.5
AUI	0.74	296	eP	38	24.68	-0.8
			eS	38	35.66	
AUP	0.75	298	eP	38	24.97	-0.7
			eS	38	37.10	
AGU	0.75	298	eP	38	25.24	-0.5
AUH	0.76	298	eP	38	25.15	-0.6
AUL	0.76	299	eP	38	25.12	-0.6
AUW	0.78	298	eP	38	25.22	-0.7
CDD	0.79	264	iP	38	25.35	-0.7
			eS	38	37.02	
OPT	0.85	319	iP	38	26.06	-0.8
			eS	38	38.22	
BRLK	0.98	40	eP	38	28.31	-0.3

ILIM	1.15	339	eP	38	29.72	-1.1
			eS	38	44.61	
INE	1.15	336	eP	38	30.05	-0.9
INW	1.17	335	eP	38	30.47	-0.7
PDB	1.31	307	eP	38	31.83	-1.1
			eS	38	49.04	
RED	1.44	347	eP	38	33.94	-0.9
RSO	1.48	348	eP	38	34.88	-0.6
RS2	1.49	348	eP	38	34.88	-0.7
REF	1.51	349	iP	38	34.97	-0.8
			eS	38	53.96	
RDW	1.51	347	eP	38	35.04	-0.8
RDT	1.57	355	eP	38	35.83	-0.7
NCT	1.60	346	eP	38	36.31	-0.7
DFR	1.61	350	eP	38	36.27	-0.8
SEW	1.75	50	eP	38	38.32	-0.6
SLKM	1.78	32	eP	38	38.53	-0.9
NKA	1.79	14	eP	38	40.55	1.0
MFA	2.04	42	eP	38	41.96	-1.0
BKG	2.06	358	eP	38	42.72	-0.7
CKL	2.19	357	eP	38	44.84	-0.4
BGL	2.26	357	eP	38	45.93	-0.3
CGLM	2.30	1	eP	38	46.78	0.0
NCG	2.39	360	eP	38	47.89	-0.2
SUA	2.55	15	eP	38	49.81	-0.5
PMS	2.58	29	P	38	49.90	-0.7
PWL	2.66	44	eP	38	50.23	-1.5
SVW	2.73	322	(P)	38	50.46	-2.4
PMR	2.98	29	(P)	38	54.36	-2.0
SKT	2.99	5	eP	38	53.68	-2.8
41 obs. associated						

* SEP 24, 1993 21h 20m 08.63± 2.91s						
42.351 N ±20.7km 121.985 W ±11.1km						
DEPTH = 5.0km (geophysicist)						
OREGON (32)						
ML 3.0 (GS). MD 2.8 (SEA).						
LHEM	0.74	194	P	20	24.00	0.5
LGMM	0.76	172	P	20	23.82	-0.1
LASM	0.81	158	P	20	24.27	-0.7
LMPM	0.87	189	P	20	26.05	0.1
LBFM	1.01	176	eP	20	28.12	-0.2
LGBM	1.02	189	P	20	28.61	0.1
LBKM	1.36	202	P	20	34.06	-0.3
KOMM	1.53	226	P	20	37.34	0.5
LGPM	1.57	204	eP	20	36.83	-0.5
			eS	20	57.41	
WDC	1.82	193	eP	20	40.50	-0.3
LCFM	1.89	169	P	20	43.60	1.4
MGL	2.56	173	P	20	55.00	3.5X
ORV	2.82	172	eP	20	55.42	0.2
GCBM	3.18	202	P	20	59.72	-0.6
S.D. = 0.6 on 13 of 14 obs.						

SEP 24, 1993 21h 34m 47.03± 0.65s						
42.191 N ± 4.8km 122.076 W ± 5.5km						
DEPTH = 5.0km (geophysicist)						
OREGON (32)						
ML 3.1 (GS).						
LHEM	0.57	191	P	34	59.00	0.5
LGMM	0.62	163	P	34	59.47	0.1
LASM	0.70	148	P	34	59.95	-1.1
LMPM	0.71	185	P	35	01.31	0.2
LGBM	0.85	186	P	35	04.05	-0.1
LBFM	0.85	171	iPd	35	03.73	-0.4
LBKM	1.19	202	P	35	08.86	-0.9
KOMM	1.38	229	P	35	12.75	-0.2
KSXM	1.39	256	P	35	12.78	-0.4
LGPM	1.40	204	eP	35	12.25	-1.1
			eS	35	33.38	
WDC	1.65	192	eP	35	16.77	0.1
LCFM	1.75	166	P	35	19.04	0.5
LDBM	1.77	173	P	35	19.68	1.0
LSLM	1.80	167	P	35	19.68	0.6
FHC	2.00	227	eP	35	22.29	0.5
KMPM	2.35	222	eP	35	27.63	0.7
ORV	2.67	170	eP	35	31.54	0.1
VGB	3.45	15	(P)	35	42.59	0.0
BMW	4.36	349	(P)	35	57.78	2.3X
S.D. = 0.6 on 18 of 19 obs.						

SEP 24, 1993 21h 57m 42.85± 0.67s						
10.489 N ± 8.1km 61.952 W ± 6.4km						
DEPTH = 54.9 ± 17.4 km						

24d 21h

TRINIDAD (98)					SCM 1.48 30 eP 32 39.56 -0.7					BAO 56.09 106 (P) 45 58.00 -9.0X				
MD 3.6 (TRN).					CVA 1.55 89 eP 32 40.14 -1.0					i 46 08.10				
TCE	0.28	43	eP	57 52.01 -0.4	CNPM 1.58 230 eP 32 40.46 -1.1					YKA 66.65 355 eP 47 16.60 -0.8				
TPP	0.52	109	eP	57 55.28 0.5	HOM 1.65 238 P 32 42.70 0.0					1.4s 4.20nm 4.4mb				
			eS	58 04.17	SPU 1.67 293 eP 32 41.47 -1.5					INK 74.89 349 eP 48 14.00 6.9X				
TRN	0.56	74	eP	57 54.56 -0.6	KLU 1.72 56 eP 32 42.65 -1.0					S.D. = 0.7 on 34 of 39 obs.				
			eS	58 05.91	CRP 1.75 295 eP 32 42.13 -2.1					% SEP 24, 1993 22h 37m 08.35± 0.46s				
TBH	0.87	90	eP	57 59.74 0.6	NCG 1.80 299 eP 32 43.60 -1.4					40.838 N ± 4.7km 28.121 E ± 4.2km				
			eS	58 09.85	CKL 1.80 292 eP 32 43.37 -1.6					DEPTH = 10.0km (geophysicist)				
PIG	1.28	58	eP	58 04.69 0.0	SGAM 1.82 90 eP 32 43.46 -1.6					TURKEY (366)				
TPR	1.35	59	eP	58 05.43 -0.2	BGL 1.85 294 eP 32 44.24 -1.4					ML 3.0 (ISK).				
			eS	58 22.58	DFR 1.88 272 eP 32 44.89 -1.1					CTT 0.39 37 iPg 37 16.00 -0.3				
BOT	1.39	61	eP	58 05.77 -0.4	REF 1.89 269 eP 32 44.92 -1.4					EDC 0.53 202 iPg 37 19.30 0.3				
			eS	58 23.86	RED 1.93 267 eP 32 45.62 -1.2					eSg 37 26.30				
GRW	1.69	10	eP	58 10.27 -0.2	RDW 1.94 269 eP 32 45.52 -1.6					KCT 0.62 163 ePg 37 20.40 -0.4				
			eS	58 35.30	CUT 1.96 341 eP 32 46.17 -1.0					MFT 0.64 266 ePg 37 20.40 -0.8				
FCV	2.74	15	eP	58 26.00 0.7	NCT 2.00 272 eP 32 46.76 -1.0					KGT 0.73 238 iPg 37 23.20 0.5				
			eS	59 01.04	TOA 2.02 39 P 32 48.70 0.6					iSg 37 34.20				
SVB	2.85	14	eP	58 27.21 0.3	ILIM 2.09 258 eP 32 47.16 -1.9					ISK 0.75 72 iPg 37 22.60 -0.4				
			eS	59 02.77	RAGM 2.09 93 eP 32 47.07 -2.0					iSg 37 33.40				
SVV	2.90	14	eP	58 28.19 0.5	INW 2.17 259 eP 32 48.97 -1.3					DMK 1.02 345 iPg 37 28.20 0.6				
			eS	59 02.91	HMT 2.30 94 eP 32 51.59 -0.5					iSg 37 43.00				
SLB	3.43	15	eP	58 34.51 -0.7	GLB 2.62 68 eP 32 55.08 -1.6					HRT 1.17 90 iPn 37 30.40 0.1				
			eS	59 17.06	PDB 2.77 256 eP 32 56.70 -1.9					EYL 1.57 99 ePn 37 36.90 0.5				
GUAN	3.68	262	eP	58 39.70 1.0	CDD 2.91 238 eP 32 59.58 -1.1					EZN 1.70 234 iPn 37 38.20 0.0				
			eS	59 22.70	WAX 2.99 90 eP 32 59.17 -2.6					S.D. = 0.5 on 10 of 10 obs.				
OLLA	4.80	265	eP	58 55.10 0.6	TGL 2.99 84 eP 33 00.04 -1.8					SEP 24, 1993 22h 43m 57.11± 0.64s				
			eS	59 48.50	BALM 3.24 79 eP 33 03.59 -1.9					26.371 S ± 5.7km 27.450 E ± 7.3km				
CEOS	6.46	258	eP	59 15.90 -1.8	42 obs. associated					DEPTH = 5.0km (geophysicist)				
S.D. = 0.8 on 15 of 15 obs.					* SEP 24, 1993 22h 36m 24.71± 0.75s					REPUBLIC OF SOUTH AFRICA (584)				
SEP 24, 1993 22h 05m 41.10± 0.96s					3.829 S ± 11.1km 103.810 W ± 12.6km					ML 2.9 (PRE).				
39.317 N ± 8.2km 22.815 E ± 7.7km					DEPTH = 10.0km (geophysicist)					PRY 0.56 178 eP 44 07.20 -1.1				
DEPTH = 10.0km (geophysicist)					4.7mb (11 obs.)					S 44 13.10				
GREECE (364)					CENTRAL EAST PACIFIC RISE (694)					KSR 0.71 315 eP 44 11.50 0.2				
ML 2.7 (THE).					OXX 21.92 18 (P) 41 23.50 3.0X					S 44 19.90				
AGG	0.48	232	iPg	05 50.42 -0.4	LPAZ 37.17 112 Pd 43 39.60 0.9					SLR 0.98 50 eP 44 16.50 0.2				
			eSg	05 59.34	S 49 19.70					S 44 29.00				
LIT	0.82	342	ePg	05 56.78 -0.2	LR 52 21.00					SWZ 2.06 246 eP 44 33.70 0.7				
			eSg	06 08.82	LPB 37.26 112 eP 43 40.00 0.7					S 44 57.40				
PAIG	0.90	47	ePg	05 59.18 0.8	eLR 53 06.00					BFT 2.43 74 eP 44 39.50 1.2				
			eSg	06 12.46	CNCB 37.45 113 eP 43 42.00 1.0					S 45 09.00				
THE	1.32	5	iPb	06 04.02 -1.4	ALQ 38.64 357 eP 43 50.09 -0.3					BLF 2.95 202 eP 44 46.00 0.4				
			eSb	06 22.74	1.0s 3.86nm 4.1mb					S 45 20.00				
OUR	1.36	41	ePb	06 06.06 0.1	UYO 38.81 12 iPd 43 51.00 -0.5					BUL 6.29 10 iPn 45 31.60 -1.4				
			iSb	06 26.10	MIAR 39.37 13 eP 43 56.34 0.2					iSn 46 40.50				
SOH	1.56	15	iPb	06 08.89 0.0	1.1s 17.82nm 4.6mb					iSg 47 12.20				
			eSb	06 28.93	CAR 39.39 68 eP 43 44.00 -12.7X					SUR 8.33 222 eP 45 57.80 -3.8X				
GRG	1.67	349	ePb	06 11.06 0.5	GSC 40.79 344 (P) 44 09.27 1.3					S 47 27.50				
			eSb	06 32.74	MOCB 40.92 118 P 44 08.10 -1.6					KRI 9.71 12 iPn 46 20.40 -0.2				
FNA	1.83	323	ePb	06 13.98 1.0	ISA 41.62 342 (P) 44 15.16 0.4					iSn 48 07.00				
KNT	1.84	2	ePb	06 12.54 -0.5	0.8s 4.16nm 4.2mb					iSg 48 57.50				
			eSb	06 35.90	BCH 41.71 340 (P) 44 16.10 0.5					CER 9.93 224 eP 46 19.50 -4.1X				
SRS	1.89	18	ePb	06 13.46 -0.3	ARUT 42.36 349 eP 44 21.96 1.0					S 48 15.00				
			eSb	06 36.86	HBF 42.77 30 (P) 44 25.19 1.0					S.D. = 1.0 on 8 of 10 obs.				
OHR	2.37	320	ePn	06 21.00 0.4	PRM 42.79 27 eP 44 24.50 0.2					SEP 24, 1993 23h 15m 40.47± 0.61s				
S.D. = 0.8 on 11 of 11 obs.					MSU 42.83 350 eP 44 25.35 0.4					44.130 N ± 4.6km 8.095 E ± 4.6km				
& SEP 24, 1993 22h 32m 14.87s					MYNC 42.89 24 eP 44 25.38 0.2					DEPTH = 5.0km (geophysicist)				
60.566 N 148.884 W					1.0s 31.20nm 5.0mb					NORTHERN ITALY (545)				
KENAI PENINSULA, ALASKA (14)					ELC 43.10 17 eP 44 26.50 -0.3					ML 2.2 (GEN), 2.1 (LDG).				
<AEIC>. ML 2.6 (AEIC).					SRU 43.17 352 eP 44 26.88 -0.7					FIN 0.11 46 P 15 43.12 0.2				
					GOL 43.34 358 eP 44 29.55 0.6					S 15 44.86				
					1.2s 19.83nm 4.8mb					ROB 0.23 316 P 15 45.78 0.6				
MPA	0.25	252	eP	32 20.81 -0.2	FVM 43.42 15 eP 44 29.24 -0.1					S 15 49.48				
			eS	32 25.57	1.2s 34.78nm 5.0mb					IMI 0.26 214 P 15 45.64 -0.2				
PWL	0.40	42	eP	32 22.93 -0.5	JSC 43.46 27 eP 44 29.50 -0.2					S 15 49.48				
			eS	32 29.06	SIV 43.70 109 P 44 31.10 -0.9					ENR 0.49 282 P 15 50.49 0.1				
SEW	0.54	211	eP	32 24.96 -0.7	LHS 43.83 28 eP 44 32.51 -0.2					S 15 57.49				
			eS	32 32.26	DAU 44.55 352 eP 44 38.14 -0.8					PCP 0.52 38 P 15 50.76 -0.2				
CFI	0.83	41	eP	32 29.03 -1.4	DUG 44.58 350 eP 44 39.65 0.7					S 15 57.40				
			eS	32 41.52	1.2s 7.83nm 4.5mb					SBF 0.55 241 Pn 15 51.40 0.0				
KNK	0.87	14	eP	32 29.65 -1.7	HVV 46.12 351 eP 44 50.93 -0.2					Sg 15 58.40				
			eS	32 41.86	ORV 46.14 341 ePc 44 51.99 0.8					STV 0.57 282 P 15 51.77 0.0				
PLRM	1.04	353	eP	32 32.06 -1.8	NAV 46.20 26 eP 44 51.36 -0.4					PZZ 0.81 298 P 15 56.17 -0.5				
PMR	1.04	353	eP	32 31.69 -2.2	BW06 46.68 354 eP 44 54.75 -0.9					S 16 08.02				
NKA	1.17	280	eP	32 36.02 0.2	1.4s 14.68nm 4.8mb					BHB 0.93 320 P 15 58.32 -0.3				
PWA	1.19	337	P	32 34.70 -1.3	RSSD 47.73 360 eP 45 03.88 0.0					FRF 1.19 242 Pn 16 02.70 -0.5				
			S	32 51.30	1.4s 22.32nm 5.1mb					Sg 16 18.70				
HIN	1.19	97	eP	32 35.09 -1.0	LGPM 47.80 341 eP 45 04.07 -0.4					LMR 1.40 236 Pn 16 06.50 -0.1				
GHO	1.21	359	eP	32 35.28 -1.1	LBFM 47.89 342 (P) 45 04.99 -0.3					Sg 16 23.20				
SML	1.27	12	eP	32 35.93 -1.4	MCMT 49.11 351 eP 45 14.80 0.2					LRG 1.43 242 Pn 16 08.10 1.1				
BRLK	1.28	232	eP	32 36.27 -1.1	NEW 53.17 349 (P) 45 43.68 -1.4					Sg 16 25.80				
			eS	32 52.75	1.0s 10.45nm 4.7mb									
VLZ	1.37	64	eP	32 37.35 -1.2	ULM 54.30 6 eP 45 56.00 2.7X									

24d 23h

S.D. = 0.5 on 12 of 12 obs.
 % SEP 24, 1993 23h 25m 23.90 ± 0.49s
 40.300 N ± 5.0km 29.744 E ± 3.7km
 DEPTH = 9.4 ± 4.3 km
 TURKEY (366)

ML 2.9 (ISK).
 IZI 0.21 280 iPg 25 27.40 -1.1
 EYL 0.41 50 iPg 25 32.60 0.2
 GPA 0.43 91 iPg 25 32.60 -0.1
 HRT 0.52 354 ePg 25 33.90 -0.6
 ISK 0.93 326 ePg 25 42.40 0.8
 KCT 1.06 268 iPn 25 44.40 0.4
 ALT 1.27 167 iPn 25 47.60 -0.1
 CTT 1.31 311 iPn 25 48.40 0.2
 BNT 1.40 273 ePn 25 49.40 -0.1
 EDC 1.44 272 ePn 25 50.30 0.2
 MFT 1.94 285 ePn 25 57.00 -0.4
 DMK 2.14 316 ePn 26 00.00 -0.2
 EZN 2.67 261 ePn 26 08.00 0.3

S.D. = 0.6 on 13 of 13 obs.
 * SEP 24, 1993 23h 26m 21.72 ± 0.95s
 20.962 S ± 8.7km 69.106 W ± 15.2km
 DEPTH = 120.0km (geophysicist)
 NORTHERN CHILE (123)

ANT 2.99 204 eP 27 08.50 0.0
 MOCB 3.25 96 P 27 12.50 0.0
 CNCB 4.26 15 P 27 26.30 0.0
 LPB 4.51 12 Pc 27 30.30 0.8
 1.3s 30.77nm
 LPAZ 4.74 11 P 27 32.00 -0.8
 S 28 31.20

S.D. = 0.8 on 5 of 5 obs.
 SEP 24, 1993 23h 39m 15.54 ± 0.38s
 40.271 N ± 3.6km 29.779 E ± 3.4km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

ML 3.4 (ISK).
 IZI 0.24 286 iPg 39 20.00 -0.8
 GPA 0.41 87 iPg 39 23.60 -0.3
 EYL 0.41 44 iPg 39 24.40 0.4
 HRT 0.56 351 iPg 39 26.40 -0.5
 ISK 0.96 326 iPg 39 33.90 0.0
 ITU 1.02 325 iPg 39 36.00 1.2
 KCT 1.09 269 iPg 39 36.40 0.4
 ALT 1.24 168 iPn 39 39.10 0.4
 CTT 1.35 311 iPn 39 40.00 -0.4
 BNT 1.42 274 iPn 39 41.40 -0.1
 EDC 1.47 274 iPn 39 41.30 -0.7
 KGT 1.90 276 ePn 39 49.00 0.7
 KHL 1.96 186 ePn 39 49.00 -0.2
 MFT 1.97 286 iPn 39 49.80 0.4
 DMK 2.18 316 iPn 39 51.50 -0.8
 EZN 2.69 262 ePn 40 00.00 0.4
 BCK 2.88 167 ePn 40 02.00 -0.3
 CIN 2.98 207 ePn 40 11.00 7.4X
 KAS 3.22 69 iPnd 40 16.20 9.0X
 MLR 5.93 333 eP 40 49.00 3.4X

S.D. = 0.6 on 17 of 20 obs.
 % SEP 24, 1993 23h 54m 22.93 ± 0.87s
 44.303 N ± 8.6km 7.368 E ± 7.7km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.7 (GEN).

STV 0.07 208 P 54 25.62 0.3
 ENR 0.09 154 P 54 26.02 0.5
 PZZ 0.28 317 P 54 28.64 -0.2
 ROB 0.36 91 P 54 30.69 0.3
 S 54 36.19

IMI 0.54 136 P 54 33.11 -0.8
 S.D. = 0.7 on 5 of 5 obs.
 SEP 25, 1993 00h 07m 01.13 ± 0.14s
 42.399 N ± 3.0km 139.092 E ± 2.5km
 DEPTH = 21.6km (48 depth phases)
 5.0mb (76 obs.)
 HOKKAIDO, JAPAN REGION (224)

MRRJ 1.47 88 eP 07 25.90 -0.5
 AOMJ 2.07 152 P 07 33.70 -1.5
 HOOJ 3.11 89 eP 07 50.70 0.8
 ASAJ 3.11 55 eP 07 51.20 1.2
 OFUJ 3.85 149 eP 08 00.50 0.1
 KUSJ 4.20 79 eP 08 05.00 -0.4
 YAMJ 4.28 170 eP 08 04.20 -2.4X
 NIIJ 5.15 181 P 08 18.60 -0.3
 YSS 5.29 28 ePnd 08 21.30 0.5
 MAT 5.89 187 eP 08 28.00 -1.3
 MTMJ 5.89 190 P 08 36.10 6.7X
 KAKJ 6.24 172 eP 08 34.50 0.2
 CHJJ 6.34 181 P 08 40.40 4.7X
 IIDJ 6.97 188 P 08 49.90 5.3X
 MDJ 7.25 291 eP 08 45.50 -3.0X

Z 18s 3.95um
 YONJ 8.43 213 P 09 04.70 -0.3
 WKYJ 8.62 200 P 09 13.20 5.6X
 TKSJ 9.29 207 P 09 23.10 6.3X
 CN2 10.08 283 eP 09 26.80 -0.9
 1.0s 5.60nm 4.9mb
 Z 19s 2.41um 4.2MsZ
 N 12s 2.36um
 E 12s 2.16um
 epP 09 33.00

SNY 11.54 272 Pd 09 49.00 1.4
 Z 10s 1.02um
 N 10s 1.88um
 DL2 13.71 261 eP 10 18.00 1.5
 Z 15s 0.88um
 N 10s 0.84um
 eS 12 45.00

SKR 14.31 49 eP 10 22.00 -2.3
 1.0s 180.00nm 5.7mb
 Z 16s 0.80um 4.1MsZ
 N 14s 0.50um
 E 14s 1.00um
 eS 13 12.00

PET 16.86 44 eP 10 52.00 -5.1X
 Z 18s 1.00um
 BJI 17.39 270 eP 11 05.50 1.5
 Z 20s 130.00nm 4.7mb
 TIA 18.07 257 eP 11 14.50 2.1
 Z 22s 1.19um
 SSE 18.21 238 P 11 18.50 4.4X
 1.2s 15.00nm 4.0mb X

NJ2 19.10 244 Pc 11 25.80 0.9
 0.8s 32.00nm 4.6mb
 E 14s 1.74um
 pP 11 33.00 27km
 CIT 19.71 308 eP 11 31.50 -0.5
 YAK 20.43 347 iPd 11 37.20 -2.1
 1.5s 116.00nm 5.0mb
 epP 12 14.00

HHC 20.61 275 P 11 42.40 0.9
 1.6s 110.00nm 5.0mb
 Z 21s 1.39um 4.3MsZ
 TIY 20.90 266 Pd 11 45.00 0.6
 Z 20s 1.50um 4.4MsZ
 S 15 35.00

BTO 21.81 275 eP 11 54.00 0.3
 N 10s 0.61um
 eS 15 52.50
 XAN 25.03 261 P 12 24.00 -1.1
 1.2s 14.00nm 4.5mb
 Z 20s 0.67um 4.1MsZ
 pP 12 32.50 30km

ZAK 25.75 300 eP 12 22.00 -9.6X
 1.5s 13.00nm 4.4mb
 e 13 08.70 243kmX
 LZH 27.88 269 eP 12 52.50 1.0
 1.6s 72.00nm 5.2mb
 Z 14s 0.28um 4.0MsZ
 GTA 29.66 278 eP 13 05.00 -2.4

1.5s 13.00nm 4.5mb
 Z 14s 1.22um 4.7MsZ
 pP 13 12.00 24km
 sP 13 16.00
 PcP 16 11.50
 PcS 19 54.00
 NRI 37.50 333 eP 14 11.00 -3.6X
 e 14 18.00 24km
 e 15 39.00
 e 16 32.00

LSA 40.28 268 eP 14 38.20 -0.6
 CHTO 41.27 248 eP 14 45.00 -1.4
 TTA 42.17 38 (P) 14 52.45 -1.0
 1.3s 8.52nm 4.3mb
 IMA 43.09 33 eP 14 59.12 -1.8
 1.1s 16.38nm 4.7mb

PMR 45.51 40 eP 15 06.19 24km
 1.5s 23.71nm 4.9mb
 FBA 45.62 35 eP 15 20.60 -0.6
 1.0s 15.38nm 4.9mb
 e 15 27.45 23km

FRU 46.38 294 eP 15 24.00 -3.5X
 KSH 46.80 289 eP 15 30.00 -1.0
 KLU 47.04 39 eP 15 32.12 -0.4
 BALM 48.83 39 ePc 15 46.21 -0.3
 SVE 50.01 315 ePd 15 55.40 -0.1

2.0s 80.00nm 5.4mb
 Z 14s 1.00um 5.0MsZ
 N 14s 0.40um
 E 14s 0.80um
 INK 50.49 29 eP 15 59.00 0.0
 1.0s 18.00nm 5.0mb

ARU 51.21 315 eP 16 04.00 -0.6
 2.0s 80.00nm 5.3mb
 Z 15s 1.00um 5.0MsZ
 e 16 11.00 23km
 MTN 55.46 189 iPd 16 35.40 -1.0
 0.6s 48.00nm 5.7mb

RES 57.86 15 eP 16 52.00 -1.0
 1.0s 9.00nm 4.8mb
 SDF 59.38 336 eP 17 03.00 -0.7
 MAIO 59.73 293 eP 17 06.00 -0.7
 YKA 60.10 31 eP 17 07.00 -1.7
 0.8s 7.40nm 4.9mb

DAG 60.28 354 iPd 17 09.30 -0.4
 1.0s 20.00nm 5.2mb
 MOS 61.92 321 eP 17 21.00 -0.1
 1.8s 100.00nm 5.7mb
 e 17 27.00 20km

WRA 62.18 185 P 17 21.79 -1.4
 WR2 62.19 185 eP 17 21.20 -2.0
 i 17 28.00 22km
 KAF 62.74 331 iP 17 25.00 -1.4
 0.7s 12.10nm 5.2mb

OBN 62.76 321 iPc 17 24.50 -2.2
 1.8s 120.00nm 5.7mb
 Z 16s 0.60um 4.9MsZ
 N 14s 0.40um
 E 14s 0.40um
 i 17 32.00 24km
 e 18 01.00

NUR 64.40 330 iP 17 36.10 -1.2
 0.6s 13.00nm 5.2mb
 GRO 64.70 306 eP 17 39.00 -0.6
 i 17 46.00 22km
 i 18 09.00

ONR 64.81 49 P 17 41.47 1.2
 GMW 64.96 48 eP 17 41.46 0.2
 JCW 65.04 47 P 17 41.93 0.1
 BMW 65.35 49 eP 17 44.24 0.4
 RMW 65.55 47 ePc 17 45.33 0.2
 e 17 51.83 21km

ASPA 65.91 185 iPc 17 46.50 -0.9
 1.1s 15.40nm 5.1mb
 LON 65.97 48 eP 17 47.55 -0.2
 SHW 66.07 49 eP 17 49.08 0.6
 ASR 66.45 48 P 17 51.38 0.4
 EBG 66.55 47 P 17 51.96 0.5

SSOR 66.74 50 P 17 53.39 0.6
 VBEM 67.11 49 P 17 55.65 0.4
 DPW 67.23 45 eP 17 55.42 -0.4
 e 18 01.83 21km
 ERE 67.27 304 iP 17 56.00 -0.2
 UPP 67.37 332 iP 17 54.90 -1.4
 i 18 02.00 23km

NEW	67.55	45 eP	17 57.64	-0.2	PLM	77.46	56 eP	18 56.38	-0.3	TUL	87.34	42 iP	19 48.40	0.8
	0.9s	20.60nm	5.3mb		GRF	77.55	328 iPc	18 57.70	1.0	FVM	88.18	37 eP	19 51.79	0.2
		e	18 03.78	20km		1.1s	37.00nm	5.3mb			1.1s	16.48nm	5.3mb	
VIPM	68.00	49 P	18 00.97	0.1	Z	22s	0.05um	3.8MsZ			e	19 58.38	21km	
SOC	68.05	309 eP	18 00.00	-0.9			i (pP)d19	04.20	21km	LTX	88.20	51 eP	19 51.84	-0.1
HFS	68.48	334 eP	18 02.00	-1.3	NWAO	77.60	199 eP	18 57.00	0.0	ELC	89.29	37 (P)	19 56.66	-0.2
	0.4s	3.90nm	4.9mb			0.8s	9.00nm	4.9mb		MIAR	89.52	41 eP	19 57.36	-0.7
Z	18s	0.15um	4.3MsZ		CAN	77.88	172 eP	18 59.50	1.0		e	20 04.84	23km	
		LR	46 29.00				ipP	19 06.20	21km	LPaz	145.07	50 PKP	26 37.00	-2.5
NB2	68.56	336 P	18 02.50	-1.4	PV09	78.41	48 (P)	19 02.50	0.5		LR	15 48.00		
	1.0s	20.60nm	5.2mb		BHG	78.46	326 eP	19 02.60	0.9	LPB	145.28	50 PKP	26 40.50	0.9
LGPM	68.94	54 eP	18 07.03	0.4	PV10	78.55	48 ePc	19 03.36	0.6	CNCB	145.57	50 iPKPd	26 41.10	0.8
		e	18 13.84	22km			e	19 10.08	21km	CCH	147.07	48 PKP	26 45.70	3.3X
LBFM	69.22	53 eP	18 08.89	0.4	PV08	78.62	48 eP	19 03.36	0.1	SIV	148.50	39 PKP	26 44.50	0.2
ORV	70.58	54 eP	18 15.90	-0.6			e	19 10.26	22km	MOCB	150.42	52 PKP	26 48.70	1.0
FRB	71.95	13 eP	18 25.00	0.7	ENN	78.63	332 eP	19 03.00	0.5	BAO	152.64	15 ePKP	26 59.00	8.4X
	0.9s	11.00nm	4.9mb			0.9s	7.50nm	4.7mb			i	27 05.20		
CMB	72.22	55 eP	18 26.20	-0.3			e	19 09.00	19km	S.D. = 0.9 on 157 of 175 obs.				
	0.9s	14.30nm	5.0mb		FUR	78.76	327 eP	19 00.70	-2.6X	-----				
		e	18 32.78	21km			i	19 04.00	11kmX	& SEP 25, 1993	01h 16m 23.00s			
HHAI	73.31	46 (P)	18 33.73	0.9			i	19 10.60		42.300 N	122.000 W			
MEMM	73.33	54 eP	18 33.77	0.9	KBA	78.78	326 iPd	19 02.80	-0.9	DEPTH = 5.0km (geophysicist)				
BONR	73.52	54 ePc	18 34.77	0.4		1.3s	42.00nm	5.3mb		OREGON (32)				
		e	18 41.54	22km	GLA	78.91	55 eP	19 05.05	0.6	<SPEC>. MD 2.8 (GS). Held to				
OJC	73.62	324 eP	18 34.30	0.0			e	19 11.63	21km	mainshock location.				
	0.9s	56.00nm	5.6mb		SKO	78.97	318 iP	19 05.00	0.4	LHEM	0.69	194 P	16 38.47	1.6
STK	73.95	178 eP	18 36.70	0.4			i	19 11.40	20km	LGMM	0.71	170 P	16 37.13	-0.1
	0.9s	2.80nm	4.3mb		SNF	79.41	333 P	19 13.50	6.7X	LASM	0.77	156 P	16 36.91	-1.7
		i	18 43.20	21km	GOL	79.57	45 eP	19 08.70	0.5	LMPM	0.82	189 P	16 40.10	0.6
TNP	74.08	53 eP	18 37.15	-0.4		1.1s	9.93nm	4.7mb		LBFM	0.96	175 eP	16 41.39	-0.4
	0.7s	7.52nm	4.8mb				e	19 15.37	21km		eS	16 53.08		

25d 02h

ASMM	2.14	311	P	27	32.91	0.9
PAGM	2.14	218	P	27	32.88	0.9
EKH	2.18	250	P	27	34.47	1.9
PTRM	2.19	216	P	27	33.08	0.5
AASM	2.21	298	P	27	34.43	1.6
PMCM	2.21	220	P	27	34.02	1.1
LTR	2.21	257	P	27	34.81	1.8
WKR	2.22	224	P	27	33.88	0.8
ARJM	2.23	305	P	27	36.18	2.9
YEG	2.26	209	P	27	35.27	1.5
BSLM	2.28	254	P	27	35.93	2.0
GHS	2.28	262	P	27	36.15	2.1
PSAM	2.30	233	P	27	35.43	1.2
ARN	2.32	269	ePn	27	35.06	0.5
SAO	2.35	254	eP	27	36.35	1.4
CRGC	2.36	203	P	27	36.65	1.5
AFDM	2.39	310	P	27	36.54	1.0
AHRM	2.40	307	P	27	38.77	3.1
MHC	2.41	269	ePd	27	37.30	1.4
CSR	2.41	260	P	27	37.50	1.7
COE	2.44	267	eP	27	37.48	1.3
CBC	2.48	259	P	27	38.60	1.9
JRRM	2.51	262	P	27	38.49	1.3
PMGM	2.52	218	P	27	38.18	0.9
BCH	2.53	208	ePn	27	38.20	0.6
AFRM	2.55	303	P	27	41.86	4.2
GSC	2.58	145	ePn	27	38.22	-0.1
ABL	2.62	191	ePnc	27	40.14	1.2
			eS	28	16.83	
HMR	2.62	287	(P)	27	40.49	1.7
AARM	2.64	315	P	27	43.64	4.5
SOS	2.65	265	P	27	40.74	1.4
BAPM	2.73	244	P	27	41.16	0.7
NDHM	2.92	298	P	27	48.36	5.4
JEGM	3.06	273	eP	27	45.16	0.2
ORV	3.10	314	ePc	27	45.83	0.3
GARM	3.24	299	P	27	53.43	5.8
SSK	3.30	167	(P)	27	49.86	1.3
MGL	3.31	317	P	27	50.27	1.6
NTYM	3.34	288	eP	27	50.07	1.2
MAC	3.43	290	P	27	55.40	5.2
GAXM	3.50	293	P	27	55.88	4.6
GSGM	3.53	295	P	27	53.93	2.2
PEC	3.72	161	ePn	27	52.63	-1.9
ARUT	4.13	83	ePn	27	59.72	-0.6
			ePg	28	14.65	
PLM	4.31	160	ePn	28	03.89	0.9
LBPM	4.66	328	eP	28	08.99	1.0
LGPM	4.77	318	ePn	28	09.12	-0.4
MSU	5.21	76	ePn	28	15.64	-0.1
DUG	5.31	57	ePn	28	17.37	0.3
			ePg	28	34.39	
GLA	5.36	143	(Pn)	28	18.95	1.3
HVU	6.26	44	(Pn)	28	30.41	-0.1
EMUT	6.56	66	(Pn)	28	35.22	0.4
			ePg	28	57.41	
SRU	6.59	73	ePn	28	35.06	-0.1
PV09	7.57	79	(P)	28	47.29	-1.7
PV10	7.64	80	eP	28	49.79	-0.1

80 obs. associated

? SEP 25, 1993 02h 33m 25.05± 0.94s
 0.799 N ±52.3km 100.630 E ±62.8km
 DEPTH = 33.0km (normal)
 4.5mb (4 obs.)

NORTHERN SUMATERA, INDONESIA (706)

KLI	7.03	143	eP	35	09.00	0.6
WR2	38.96	124	iPd	40	49.80	-0.3
			i	40	59.10	
ASPA	40.45	129	iPd	41	01.90	-0.5
	0.7s	7.40nm				4.5mb
KAF	81.99	333	iP	45	43.90	1.0
	0.6s	5.40nm				4.8mb
NUR	82.42	331	eP	45	45.80	0.7
GEC2	87.38	319	P	46	08.80	-1.5
	1.1s	2.89nm				4.4mb
HFS	87.78	330	eP	46	11.90	0.1
	0.5s	1.00nm				4.4mb

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

% SEP 25, 1993 03h 37m 47.92± 1.23s
 40.572 N ± 7.8km 21.059 E ±10.3km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 2.4 (THE).

FNA	0.32	49	iPg	37	54.96	0.4
			eSg	38	00.00	
OHR	0.57	340	iP	37	59.50	-0.1
	0.6s	270.00nm				
GRG	1.09	69	ePb	38	08.76	0.3
			eSb	38	24.88	
LIT	1.19	113	ePb	38	10.48	0.3
			eSb	38	28.64	
SOH	1.76	81	ePb	38	18.40	-0.3
AGG	1.83	147	ePb	38	20.28	0.6
			eSb	38	43.00	
PAIG	2.11	107	ePn	38	22.52	-1.1
	S.D. = 0.7	on	7 of 7 obs.			
* SEP 25, 1993 04h 14m 49.39± 0.28s						
	47.770 S ± 7.6km		31.999 E ±10.4km			
	DEPTH = 10.0km (geophysicist)					
	5.0mb (15 obs.)		5.0MsZ (1 obs.)			
	SOUTH OF AFRICA		(430)			
CER	17.29	322	eP	18	48.00	-4.4X
	0.5s	25.00nm				4.6mb
SUR	17.56	327	eP	18	55.00	-1.0
	0.8s	123.00nm				5.1mb
BLF	19.17	344	iPd	19	15.50	-0.2
	1.0s	80.00nm				4.9mb
POF	20.59	329	iPc	19	34.00	3.0X
BFT	22.10	355	eP	19	48.00	1.5
SLR	22.19	351	eP	19	45.60	-1.8
	1.2s	50.00nm				4.8mb
KSR	22.23	348	eP	19	44.50	-3.4X
	1.0s	80.00nm				5.1mb
MAW	25.35	153	P	20	18.00	0.5
	0.9s	16.67nm				4.7mb
WIN	27.84	329	e(P)	20	41.50	0.4
SPA	42.42	180	iPc	22	43.50	-2.0
	0.7s	3.52nm				4.2mb
BCAO	53.31	343	iPc	24	10.20	-0.6
	0.3s	8.00nm				5.2mb
KIC	62.87	318	P	25	16.91	-0.8
	1.0s	15.50nm				5.2mb
LIC	62.88	318	P	25	16.83	-1.0
	1.0s	17.50nm				5.2mb
	z	22s	1.13um			5.0MsZ
TIC	63.24	318	P	25	19.63	-0.6
	0.9s	32.00nm				5.5mb
MRWA	65.16	107	eP	25	32.00	-0.7
	0.8s	12.00nm				5.1mb
GBA	73.28	46	P	26	24.00	1.3
STK	78.72	125	iPd	26	52.60	-0.8
	0.8s	8.80nm				4.9mb
		iPp	27	02.40		31kmX
MOCB	79.49	250	P	26	57.00	-1.3
SIV	80.37	257	P	27	01.70	-0.8
ASPA	80.38	114	iPc	27	01.60	-0.9
	0.8s	22.60nm				5.2mb
CCH	82.64	252	P	27	15.00	0.3
WRA	83.42	112	P	27	17.50	-0.8
	0.7s	2.50nm				4.5mb
WR2	83.43	112	eP	27	17.20	-1.2
CNCB	84.25	251	iPd	27	23.80	0.6
LPB	84.53	252	P	27	24.00	-0.5
LPAZ	84.73	252	Pd	27	25.30	-0.4
		LR	42	09.00		
LTX	141.36	258	ePKP	34	13.78	-8.3X
WMOK	141.41	269	ePKP	34	13.91	-8.0X
RES	145.01	338	ePKP	34	27.50	0.6
	0.8s	10.00nm				
ULM	146.29	294	ePKP	34	31.00	1.3
ALQ	146.69	263	ePKP	34	30.05	-1.1
FCC	146.83	310	ePKP	34	37.50	7.2X
TUC	147.95	255	ePKP	34	34.46	1.4
GOL	148.49	271	ePKP	34	33.16	-0.8
RSSD	149.52	280	PKP	34	35.95	0.6
PV08	150.14	267	ePKP	34	36.95	0.3
		iPKPbc34	41.83			
PV10	150.30	266	ePKP	34	36.72	-0.1
		ePKPbc34	41.70			
PV09	150.43	266	ePKP	34	37.14	0.1
		ePKPbc34	42.47			
GLA	151.03	252	ePKP	34	38.22	0.5
		iPKPbc34	43.19			
SRU	151.68	266	ePKP	34	38.57	-0.2
		iPKPbc34	44.40			
EMUT	152.22	267	(PKP)	34	40.23	0.7
		iPKPbc34	46.31			

MSU	152.48	264	ePKP	34	40.59	0.6
			ePKPbc34	46.73		
BW06	152.69	274	ePKP	34	39.97	-0.1
			ePKPbc34	46.11		
DAU	152.80	268	ePKP	34	41.83	1.4
			ePKPbc34	47.63		
ARUT	152.94	261	ePKP	34	42.29	1.7
			ePKPbc34	48.64		
PEC	153.06	250	ePKP	34	40.51	-0.1
			ePKPbc34	48.04		
GSC	153.72	253	ePKP	34	43.38	1.8
			ePKPbc34	49.92		
DUG	153.75	266	ePKP	34	41.85	0.3
			ePKPbc34	49.37		
HHAI	154.79	273	(PKP)	34	44.47	1.7
			ePKPbc34	52.62		
ISA	155.02	252	ePKP	34	44.54	1.3
			ePKPbc34	52.82		
YKA	156.25	321	ePKP	34	41.70	-2.3
	0.9s	2.20nm				
BONR	156.25	257	ePKP	34	46.45	1.2
	S.D. = 1.1	on	46 of 52 obs.			
SEP 25, 1993 04h 44m 19.46± 0.94s						
	38.167 N ± 8.2km		73.002 E ± 5.9km			
	DEPTH = 102.6 ± 10.4 km					
	4.4mb (28 obs.)					
TAJIKISTAN-XINJIANG BORDER REG. (719)						
KSH	2.66	60	P	45	02.50	1.0
			S	45	35.00	
NDI	10.09	158	e(P)	46	45.00	2.1
MAIO	10.93	264	eP	46	52.00	-2.2
			eS	48	45.00	
KKN	14.59	132	P	47	38.60	-3.6X
DMN	14.62	133	P	47	40.30	-2.4
GUN	14.86	130	P	47	41.00	-4.7X
GTA	20.91	78	eP	48	55.50	0.0
	1.5s	7.00nm				3.8mb
LZH	24.63	85	eP	49	22.50	-9.3X
GBA	24.78	170	P	49	37.00	3.9X
OBN	29.75	317	eP	50	17.50	-0.4
	0.9s	16.00nm				4.7mb
		e	50	36.50		
		e	51	32.00		
KAF	37.13	325	iP	51	21.10	-0.2
	0.3s	1.40nm				4.4mb
NUR	37.44	323	eP	51	23.90	0.0
	0.4s	4.80nm				4.8mb
HFS	42.77	321	eP	52	07.30	-0.6
	0.4s	7.10nm				4.8mb
BRG	42.87	307	i(P)	52	10.20	1.4
GEC2	43.30	304	P	52	13.60	1.2
	0.6s	1.01nm				3.8mb
		e	52	22.20		

25d 04h

LFF 52.86 302 iPd 53 27.10 0.6
0.5s 4.10nm 4.7mb
MFF 52.90 304 iPd 53 26.60 -0.1
0.4s 1.80nm 4.4mb
LPF 53.01 306 iPd 53 27.40 -0.1
0.4s 1.45nm 4.3mb
IMA 70.05 18 eP 55 20.10 -1.7
0.5s 1.48nm 4.1mb
INK 72.00 10 eP 55 33.00 -0.2
0.5s 4.00nm 4.5mb
FBA 72.42 17 ePc 55 36.00 0.2
0.8s 7.93nm 4.6mb
e 56 05.90
BALM 77.02 17 eP 56 01.79 -0.5
YKA 79.50 4 eP 56 15.10 -0.5
0.5s 3.20nm 4.4mb
WRA 81.55 123 P 56 27.80 0.8
0.6s 0.60nm 3.6mb
WR2 81.56 123 eP 56 27.00 -0.1
S.D. = 0.9 on 36 of 40 obs.

& SEP 25, 1993 05h 07m 07.39s
63.258 N 151.200 W
DEPTH = 8.8km
CENTRAL ALASKA (1)
<AEIC>. ML 2.9 (AEIC).

KTH 0.32 23 P 07 13.60 -0.4
S 07 18.20
TRF 0.45 64 P 07 16.10 -0.5
S 07 23.00
HUR 0.76 111 P 07 21.70 -0.7
CUT 0.96 153 P 07 25.60 -0.1
S 07 39.40
RND 1.07 81 P 07 26.80 -0.9
S 07 41.70
MCK 1.12 64 P 07 27.70 -0.9
SKT 1.29 187 P 07 31.10 -0.3
S 07 47.90
NEA 1.62 34 P 07 36.70 0.4
S 07 58.50
DHY 1.75 94 P 07 38.90 0.7
S 08 01.90
MLY 1.79 6 P 07 40.50 1.7
S 08 03.10
SUA 1.81 173 P 07 40.00 0.9
S 08 04.40
GHO 1.83 144 P 07 39.20 -0.1
NCG 1.91 194 P 07 40.20 -0.4
S 08 06.90
PLRM 1.93 149 P 07 40.50 -0.2
PMR 1.93 149 eP 07 39.80 -0.9
SML 1.97 136 P 07 40.70 -0.7
CGLM 1.99 191 P 07 43.70 2.0
S 08 09.30
CCB 2.05 46 P 07 43.70 1.3
S 08 11.00
CRP 2.05 193 eP 07 36.47 -6.1
CP2 2.06 194 eP 07 42.50 -0.3
BGL 2.08 196 P 07 43.90 0.9
SPU 2.12 191 P 07 43.90 0.3
CKL 2.14 195 P 07 44.20 0.4
MDM 2.15 36 P 07 45.70 1.8
S 08 13.40
HDA 2.21 57 P 07 47.70 3.0
S 08 16.40
BKG 2.25 193 P 07 45.40 -0.1
KNK 2.25 144 P 07 45.20 -0.2
SCM 2.29 127 P 07 47.90 1.8
ILB 2.43 49 P 07 47.50 -0.4
IL1 2.43 49 P 07 50.70 2.8
S 08 21.90
TOA 2.59 114 P 07 50.20 -0.1
RDT 2.75 192 P 07 54.20 1.6
SLKM 2.80 170 P 07 55.00 1.8
IM3 2.95 339 P 07 53.50 -1.8
S 08 37.60
SVW 2.99 226 (P) 07 56.54 0.6
KLU 3.03 123 P 07 56.90 0.4
36 obs. associated

% SEP 25, 1993 06h 13m 01.87± 1.13s
15.795 N ±19.6km 93.999 W ± 9.7km
DEPTH = 33.0km (normal)
NEAR COAST OF CHIAPAS, MEXICO (69)
SCX 1.61 54 iP 13 28.02 -0.3

TPX 1.90 118 (P) 13 32.71 0.2
iS 13 51.64
OXX 2.91 296 iP 13 45.68 -1.4
(S) 14 22.86
IISM 4.53 315 iP 14 06.39 -3.5X
(S) 14 59.36
LVVM 4.56 330 (P) 14 04.00 -6.4X
IIT 5.22 309 iP 14 19.75 -0.2
PPM 5.49 307 iP 14 25.07 1.1
IIA 5.56 308 iP 14 25.06 0.6
CRX 6.50 304 (P) 14 57.00 18.9X
S.D. = 1.1 on 6 of 9 obs.

? SEP 25, 1993 06h 44m 35.15± 5.11s
32.073 S ±25.3km 67.681 W ±62.6km
DEPTH = 5.0km (geophysicist)
MENDOZA PROVINCE, ARGENTINA (139)

CFA 0.66 314 eP 44 47.80 -0.7
S 44 56.00
RTLL 1.00 318 eP 44 55.00 0.4
RTCB 1.12 301 eP 44 57.00 0.4
RFA 2.77 193 eP 45 21.00 -0.1
S 46 01.00
S.D. = 0.8 on 4 of 4 obs.

& SEP 25, 1993 06h 46m 07.55s
59.356 N 152.557 W
DEPTH = 67.7km
SOUTHERN ALASKA (2)
<AEIC>. ML 2.9 (AEIC).

AUE 0.42 271 eP 46 18.99 -0.5
eS 46 27.41
XLV 0.44 77 ePc 46 18.87 -0.9
eS 46 28.44
AUP 0.44 271 ePc 46 19.04 -0.9
eS 46 27.67
AUI 0.45 268 ePd 46 19.13 -0.7
eS 46 28.26
AGU 0.45 271 eP 46 19.52 -0.5
AUL 0.45 274 eP 46 19.41 -0.5
AUH 0.45 271 eP 46 19.72 -0.3
OPT 0.45 311 ePd 46 19.32 -0.6
eS 46 28.44
AUW 0.47 272 eP 46 19.44 -0.6
HOM 0.56 57 eP 46 20.59 -0.3
eS 46 30.10
CNPM 0.70 75 ePc 46 21.71 -0.8
eS 46 33.68
CDD 0.70 233 eP 46 21.46 -1.1
INE 0.75 340 eP 46 22.35 -0.9
eS 46 34.41
SYI 0.75 173 eP 46 22.02 -1.1
eS 46 33.76
ILIM 0.75 344 iPd 46 22.42 -0.8
eS 46 34.02
INW 0.77 338 ePd 46 22.67 -0.8
eS 46 35.07
PDB 0.94 298 eP 46 24.37 -1.0
eS 46 37.85
BRLK 0.94 64 eP 46 24.93 -0.6
eS 46 38.18
RED 1.07 354 eP 46 26.47 -0.7
eS 46 41.64
RS2 1.12 355 eP 46 27.32 -0.6
RDW 1.14 354 eP 46 27.50 -0.7
REF 1.14 356 ePd 46 27.59 -0.6
eS 46 43.49
NCT 1.22 351 eP 46 28.74 -0.5
RDT 1.22 3 iPd 46 28.47 -0.7
DFR 1.24 357 ePd 46 28.89 -0.6
NKA 1.54 25 eP 46 35.09 1.7
KDC 1.61 179 eP 46 32.47 -1.9
eS 46 58.20
SLKM 1.65 45 eP 46 34.43 -0.5
BKG 1.73 5 ePd 46 35.55 -0.5
SEW 1.74 63 eP 46 36.15 0.0
SPU 1.85 8 ePd 46 37.17 -0.5
CKL 1.85 3 ePd 46 37.47 -0.3
BGL 1.92 2 eP 46 38.42 -0.2
CP2 1.92 5 eP 46 38.18 -0.7
CRP 1.93 6 ePd 46 38.06 -0.8
MPA 1.97 53 eP 46 39.27 0.0
CGLM 1.98 8 ePd 46 39.24 -0.3
NCG 2.06 5 eP 46 40.47 -0.3

SUA 2.30 22 eP 46 43.70 -0.3
PTE 2.33 48 eP 46 43.01 -1.2
SVW 2.33 320 eP 46 42.42 -1.9
FWL 2.60 53 eP 46 46.26 -1.8
SKT 2.68 10 eP 46 48.45 -0.8
PLRM 2.81 36 eP 46 50.19 -0.8
PMR 2.81 36 (P) 46 48.98 -2.1
KNK 2.90 43 eP 46 50.62 -1.7
CFI 3.01 50 eP 46 51.74 -2.0
GHO 3.02 35 eP 46 53.20 -0.8
SML 3.22 38 eP 46 55.36 -1.5
KLU 3.93 54 eP 47 03.96 -2.8
BALM 5.37 67 (P) 47 24.05 -3.0
FBA 5.99 20 eP 47 32.70 -2.9
52 obs. associated

% SEP 25, 1993 06h 46m 31.68± 2.57s
33.673 S ± 7.2km 71.747 W ±19.8km
DEPTH = 17.7 ± 12.5 km
NEAR COAST OF CENTRAL CHILE (135)

LCCH 0.25 37 iP 46 37.63 0.2
iS 46 43.70
LNV 0.40 135 iP 46 39.71 -0.2
iS 46 47.46
TACH 0.68 89 iP 46 44.73 0.1
iS 46 56.01
ROCH 0.93 42 iP 46 48.65 -0.5
iS 47 03.08
SAN 0.93 77 iP 46 49.10 0.1
iS 47 03.66
PCH 1.03 87 iP 46 50.47 -0.3
iS 47 05.44
PEL 1.03 60 iP 46 51.01 0.2
iS 47 06.95
CACH 1.05 115 iP 46 51.40 0.2
iS 47 08.69
JACH 1.38 45 iP 46 56.36 0.1
iS 47 16.17
S.D. = 0.3 on 9 of 9 obs.

* SEP 25, 1993 07h 00m 15.08± 1.24s
37.834 N ±11.3km 21.151 E ± 8.0km
DEPTH = 5.0km (geophysicist)
3.4mb (1 obs.)
SOUTHERN GREECE (368)
ML 3.3 (ATH).

VLS 0.56 308 ePg 00 26.50 0.2
AGG 1.51 38 eP 00 43.80 1.0
eS 01 03.12
VLI 1.81 127 ePn 00 48.50 1.4
IGT 1.81 340 eP 00 47.04 -0.1
eS 01 11.20
ATH 2.03 85 ePn 00 48.00 -2.4
KEK 2.15 331 ePn 00 51.50 -0.6
SRN 2.23 337 ePn 00 53.70 0.5
LSK 2.35 350 iPnd 00 55.00 -0.1
LIT 2.49 24 iP 00 58.12 1.1
KZN 2.52 11 ePg 00 58.50 1.1
TPE 2.61 341 ePn 00 57.20 -1.5
PAIG 2.87 43 iP 01 01.40 -1.0
FNA 2.95 3 eP 01 07.96 4.4X
THE 3.13 26 eP 00 56.25 -9.7X
GRG 3.27 17 eP 01 01.28 -6.7X
OHR 3.28 355 iPn 01 08.00 -0.3
OUR 3.33 41 eP 01 10.68 1.8
SOH 3.44 29 eP 01 07.40 -3.0X
TIR 3.65 345 ePn 01 13.00 -0.3
PHP 3.88 352 ePn 01 17.00 0.2
ALN 4.87 50 eP 01 29.44 -1.3
NB2 24.05 348 P 05 28.00 -3.8X
0.8s 0.90nm 3.4mb
S.D. = 1.2 on 17 of 22 obs.

SEP 25, 1993 07h 33m 01.56± 0.78s
39.014 S ± 4.8km 175.542 E ± 5.9km
DEPTH = 165.3 ± 10.0 km
NORTH ISLAND, NEW ZEALAND (159)

NGZ 0.17 164 P 33 21.90 -1.9
MOZ 0.77 311 Pc 33 26.10 -0.3
S 33 40.50
PATZ 0.84 42 P 33 26.30 -0.7
BSZ 0.92 211 P 33 27.20 -0.2
WAHZ 0.93 138 P 33 26.90 -0.7
UTU 0.98 32 P 33 27.60 -0.3

25d 07h

TAZ	1.09	44	P	33	28.50	-0.2
TTH	1.13	118	P	33	29.10	0.0
WLZ	1.14	2	P	33	29.80	0.5
			S	33	47.20	
PAHZ	1.19	83	P	33	29.40	-0.3
TEHZ	1.38	135	P	33	31.60	0.1
URZ	1.44	59	P	33	31.50	-0.5
			S	33	49.50	
MNG	1.60	182	Pc	33	34.10	0.4
			S	33	52.80	
PGZ	1.70	161	Pc	33	35.20	0.5
MAHZ	1.83	96	P	33	37.00	0.9
KIW	1.91	195	P	33	37.50	0.5
NOZ	1.99	79	P	33	38.20	0.3
CAW	2.12	190	P	33	39.90	0.5
MTW	2.14	181	P	33	39.90	0.3
DIW	2.18	214	P	33	40.70	0.6
KUZ	2.27	4	P	33	42.70	1.6
MRW	2.31	196	P	33	42.00	0.5
			S	34	08.30	
PUZ	2.33	67	eP	33	41.40	-0.4
			S	34	08.20	
WEL	2.35	194	P	33	42.20	0.2
BLW	2.35	181	P	33	42.40	0.3
TCW	2.40	203	Pc	33	43.30	0.6
MOW	2.42	185	P	33	43.20	0.3
QRZ	2.94	231	P	33	50.30	1.0
			S	34	24.30	
THZ	3.41	215	P	33	56.00	0.8
			S	34	34.80	
LTZ	4.51	212	P	34	09.10	-0.4
			eS	34	56.70	
MQZ	5.17	204	P	34	16.50	-1.6
			S	35	10.40	
WVZ	5.45	220	P	34	21.60	-0.2
BWZ	6.95	216	eP	34	40.10	-1.7
ODZ	7.04	210	P	34	42.60	-0.5
			S	35	55.20	

S.D. = 0.8 on 34 of 34 obs.

& SEP 25, 1993 07h 42m 17.89s
60.281 N 151.596 W
DEPTH = 61.8km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 2.5 (AEIC).

NKA	0.50	21	eP	42	30.76	0.7
RDT	0.50	307	iP	42	29.46	-0.7
REF	0.59	291	eP	42	30.65	-0.6
			eS	42	40.97	
RED	0.60	284	eP	42	30.81	-0.5
			eS	42	41.00	
RSO	0.60	288	eP	42	30.91	-0.5
			eS	42	41.45	
RS2	0.61	288	eP	42	30.98	-0.5
			eS	42	41.42	
DFR	0.62	300	eP	42	30.81	-0.8
			eS	42	41.80	
HOM	0.63	182	eP	42	31.30	-0.2
			eS	42	42.51	
BRLK	0.63	145	eP	42	30.89	-0.7
			eS	42	40.94	
RDW	0.64	289	eP	42	31.19	-0.6
			eS	42	42.13	
ILIM	0.71	254	iP	42	32.02	-0.5
			eS	42	43.54	
NCT	0.72	294	eP	42	32.04	-0.7
SLKM	0.72	71	eP	42	31.52	-1.1
INE	0.77	254	eP	42	32.73	-0.6
			eS	42	44.86	
CNPM	0.78	166	eP	42	32.79	-0.6
			eS	42	44.41	
INW	0.80	255	eP	42	33.14	-0.5
			eS	42	45.49	
BKG	0.86	338	eP	42	33.60	-0.8
			eS	42	46.52	
SPU	0.93	346	eP	42	34.65	-0.6
			eS	42	47.71	
CKT	0.97	342	eP	42	35.13	-0.7
			eS	42	48.85	
CKL	0.99	339	eP	42	35.47	-0.6
			eS	42	49.46	
CKN	0.99	343	eP	42	35.80	-0.2
			eS	42	49.84	
CRP	1.03	345	eP	42	36.03	-0.6
			eS	42	50.93	
CP2	1.04	342	eP	42	36.44	-0.4

OPT	1.04	233	eP	42	51.22	
CGLM	1.05	349	eP	42	36.42	-0.2
BGL	1.06	339	eP	42	36.37	-0.5
			eS	42	36.75	-0.3
SEW	1.09	98	eP	42	51.56	
MPA	1.13	78	eP	42	36.13	-1.1
			eS	42	37.50	-0.3
			eS	42	51.56	
NCG	1.16	347	eP	42	37.95	-0.4
			eS	42	53.83	
SUA	1.26	19	eP	42	39.07	-0.7
			eS	42	56.97	
AUP	1.30	226	eP	42	40.89	0.6
AUW	1.32	227	eP	42	40.41	0.0
PDB	1.39	250	eP	42	40.62	-0.9
PTE	1.40	64	eP	42	40.28	-1.2
			eS	42	58.32	
PWA	1.61	31	eP	42	43.78	-0.6
SKT	1.71	1	eP	42	45.34	-0.5
			eS	43	07.03	
CDD	1.71	218	eP	42	45.46	-0.4
PWL	1.71	69	eP	42	44.01	-1.9
SYI	1.72	194	eP	42	45.61	-0.4
PLRM	1.78	41	eP	42	45.19	-1.6
KNK	1.91	52	eP	42	47.08	-1.6
GHO	1.98	40	eP	42	48.16	-1.6
CFI	2.09	63	eP	42	48.69	-2.4
SML	2.21	45	eP	42	51.08	-1.7
CUT	2.23	16	eP	42	52.23	-0.8
KLU	3.03	64	eP	43	01.86	-2.6

46 obs. associated

? SEP 25, 1993 08h 52m 48.44± 5.67s
32.411 S ±34.1km 71.679 W ±25.5km
DEPTH = 5.0km (geophysicist)
NEAR COAST OF CENTRAL CHILE (135)
MD 3.7 (SAN).

IHA	0.61	177	eP	53	02.20	1.5
			iS	53	07.40	
ROCH	0.79	135	iP	53	04.49	0.0
			iS	53	12.49	
JACH	0.96	107	iP	53	08.22	1.0
			iS	53	19.00	
LCCH	1.06	175	iP	53	08.36	-0.6
			iS	53	19.03	
PEL	1.11	131	iP	53	09.59	-0.2
			iS	53	21.10	
SAN	1.35	141	iP	53	12.74	-1.0
			iS	53	26.86	
PCH	1.55	141	iP	53	16.10	-0.8
			iS	53	32.90	
LNW	1.56	172	iP	53	16.30	-0.5
			iS	53	32.31	
CACH	1.93	152	iP	53	22.80	0.5
			iS	53	44.95	

S.D. = 1.0 on 9 of 9 obs.

? SEP 25, 1993 09h 24m 18.98± 2.45s
37.057 N ± 9.6km 3.805 W ±22.1km
DEPTH = 10.0km (geophysicist)
SPAIN (377)
mbLg 2.5 (MDD).

ECOG	0.29	41	eP	24	24.10	-1.0
			eS	24	27.80	
EGUA	0.29	139	eP	24	25.00	-0.1
			eS	24	29.20	
EBAN	1.11	1	eP	24	39.80	0.1
			eS	24	53.80	
EHUE	1.23	52	eP	24	42.90	1.1
			eS	24	59.10	

S.D. = 1.5 on 4 of 4 obs.

% SEP 25, 1993 09h 33m 08.27± 1.13s
39.109 N ± 7.3km 27.639 E ±14.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM	0.77	203	iPg	33	23.30	0.0
			iSg	33	34.30	
EZN	1.24	306	ePn	33	31.40	0.1
EDC	1.25	8	ePn	33	31.30	-0.1
BNT	1.26	10	ePn	33	32.00	0.2
MFT	1.70	351	ePn	33	38.00	-0.2

S.D. = 0.2 on 5 of 5 obs.

SEP 25, 1993 09h 39m 10.90± 0.24s
40.067 N ± 2.7km 27.185 E ± 2.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 4.1 (ATH), 3.7 (ISK). Felt at Canakkale.

KGT	0.39	13	iPg	39	19.70	0.7
EDC	0.59	62	iPg	39	22.30	-0.5
			iSg	39	31.30	
BNT	0.63	63	ePg	39	23.30	-0.3
EZN	0.70	250	iPg	39	24.40	-0.4
MFT	0.72	6	ePg	39	25.80	0.6
KCT	0.92	78	iPg	39	29.20	0.8
PRK	1.08	221	ePg	39	31.50	0.3
ALN	1.20	314	iPb	39	34.03	0.8
			iSb	39	50.51	
CTT	1.44	41	iPn	39	36.80	-0.2
RDO	1.65	311	ePb	39	41.30	1.3
IZM	1.67	178	iPn	39	40.30	0.0
ISK	1.74	54	iPn	39	41.20	-0.1
IZI	1.77	81	ePn	39	41.20	-0.7
DMK	1.81	14	iPn	39	42.50	0.2
HRT	2.04	68	iPn	39	45.70	0.0
KDZ	2.07	320	iPc	39	46.00	-0.2
DIM	2.34	328	iP	39	50.00	0.4
GPA	2.40	84	iPn	39	52.00	1.1
OUR	2.47	277	ePn	39	52.44	0.7
RZN	2.47	312	iPd	39	52.00	-0.1
ALT	2.48	113	iPn	39	52.80	0.8
KHL	2.52	133	iPn	39	53.10	0.5
CIN	2.56	164	eP	39	52.00	-1.1
PAIG	2.70	268	ePn	39	54.67	-0.4
			eSn	40	26.48	
PLD	2.77	318	iPc	39	56.00	-0.1
SRS	2.93	292	iPn	39	58.85	0.5
			eSn	40	33.19	
SOH	3.02	286	ePn	40	00.51	0.8
			eSn	40	36.80	
MMB	3.03	301	iP	40	00.00	0.2
PGB	3.36	318	eP	40	03.00	-1.6
PVL	3.44	337	iP	40	05.00	-0.5
KNT	3.44	290	ePn	40	06.60	1.0
			eSn	40	46.19	
KKB	3.59	301	iP	40	07.00	-0.7
LIT	3.60	272	ePn	40	08.51	0.6
PSN	3.69	11	iP	40	08.00	-1.1
BCK	3.72	133	ePn	40	10.00	0.3
GRG	3.75	285	ePn	40	10.07	-0.1
			eSn	40	54.39	
AGG	3.90	256	ePn	40	11.67	-0.5
VTG	3.91	311	eP	40	12.00	-0.5
VLI	4.72	226	ePn	40	22.80	-1.1
SKO	4.74	295	ePn	40	23.00	-1.2
OHR	4.97	284	ePn	40	29.00	1.6
CFR	5.16	8	eP	40	29.00	-1.0
KAS	5.17	73	eP	40	49.00	18.8X
MLR	5.50	351	ePc	40	38.00	3.1X
GZR	6.23	330	ePd	40	49.00	3.8X

S.D. = 0.8 on 42 of 45 obs.

? SEP 25, 1993 09h 44m 42.98± 6.95s
13.764 N ±20.6km 120.429 E ±61.1km
DEPTH = 33.0km (normal)
MINDORO, PHILIPPINE ISLANDS (250)

PGP	0.57	117	iPd	44	54.50	-0.1
			iS	45	03.00	
TGY	0.59	55	eP	44	54.50	-0.5
			eS	45	13.00	
QVP	1.02	33	ePd	45	01.20	0.2
			eS	45	20.00	
GQP	1.96	86	eP	45	15.00	0.4

S.D. = 0.7 on 4 of 4 obs.

SEP 25, 1993 09h 48m 00.11± 0.56s
42.309 N ± 3.9km 122.009 W ± 7.7km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 2.8 (GS).

LHEM	0.70	193	P	48	14.52	0.4
LGMM	0.72	170	P	48	14.61	0.1
LASM	0.78	155	P	48	15.17	-0.7
LMPM	0.83	188	P	48	16.62	-0.1
LBFM	0.97	175	eP	48		

LGBM	0.97	188	P	48	19.21	0.0	DMK	3.43	66	ePn	12	49.00	5.0X	VUN	7.67	254	iPd	35	11.00	5.7X
LBKM	1.32	202	P	48	24.63	-0.4	CTT	3.75	79	eP	12	50.20	1.6	SVA	7.70	253	eP	35	11.60	5.9X
KXXM	1.47	252	P	48	27.69	0.3	VLI	3.83	187	ePn	12	50.00	0.3	RAR	14.28	114	eP	36	30.40	-2.3
KOMM	1.49	227	P	48	31.04	3.3X	MLR	5.27	19	ePd	13	12.00	1.8		0.6s	124.73nm			5.4mb	
LGPM	1.53	204	eP	48	27.47	-0.7	CFR	5.76	34	eP	13	38.00	21.1X	DZM	19.63	249	iPd	37	36.00	-0.7
			eS	48	47.29		S.D. = 1.1 on 28 of 35 obs.							OUZ	22.24	208	eP	38	06.00	3.3X
WDC	1.77	193	eP	48	32.31	0.7	SEP 25, 1993 11h 18m 14.62± 0.59s							KUZ	22.69	202	P	38	09.10	2.1
KMPM	2.47	221	(P)	48	41.49	-0.3	40.844 N ± 5.9km 28.685 E ± 4.6km							AFR	23.06	97	iPd	38	10.60	-0.1
ORV	2.78	172	eP	48	47.54	1.4	DEPTH = 10.0km (geophysicist)								1.1s	112.30nm			5.1mb	
VGB	3.33	15	eP	48	54.06	0.2	TURKEY (366)							PUZ	23.10	196	eP	38	11.30	0.3
BMW	4.26	349	(P)	49	06.80	-0.3	ML 2.7 (ISK).							PAE	23.25	98	iPd	38	12.50	0.0
S.D. = 0.6 on 14 of 15 obs.							CTT	0.36	328	iPg	18	21.70	-0.3	PPT	23.25	97	iPd	38	12.80	0.2
* SEP 25, 1993 10h 45m 36.16± 1.55s									iSg	18	27.20				1.3s	335.00nm			5.6mb	
51.685 N ± 13.2km 7.878 E ± 11.5km							ISK	0.36	52	iPg	18	22.20	0.2	PPN	23.39	97	iPd	38	13.90	0.0
DEPTH = 10.0km (geophysicist)									iSg	18	27.20				1.3s	172.60nm			5.3mb	
GERMANY (543)							HRT	0.75	91	ePg	18	29.20	-0.1	TVO	23.56	98	iPd	38	15.80	0.1
ML 2.2 (BNS).									eSg	18	39.20				0.9s	198.50nm			5.5mb	
WTS	0.73	296	ePg	45	51.00	0.5	BNT	0.76	230	ePg	18	29.00	-0.5	URZ	23.60	198	eP	38	15.90	0.1
	0.7s	18.50nm					EDC	0.80	232	ePg	18	30.00	-0.1	NOZ	23.67	196	P	38	19.40	2.9X
BNS	0.85	212	iPg	45	52.47	0.0	MFT	1.07	267	ePn	18	35.00	0.2		0.7s	116.00nm			5.4mb	
	0.5s	72.00nm					KGT	1.12	250	iPn	18	36.20	0.6	WLZ	23.74	201	P	38	19.60	2.4
		iS	46	03.52			DMK	1.20	325	ePn	18	37.00	0.0	MOZ	24.58	202	P	38	26.70	1.5
ENN	1.53	234	ePn	46	02.00	-1.6	S.D. = 0.4 on 8 of 8 obs.							PMO	24.98	91	iPd	38	28.80	-0.3
	0.4s	3.50nm					SEP 25, 1993 11h 19m 01.98± 0.75s							VAH	25.21	92	iPd	38	30.50	-0.8
		iPg	46	03.90			44.929 N ± 5.6km 9.833 E ± 6.6km								1.2s	166.00nm			5.4mb	
		iSn	46	21.30			DEPTH = 10.0km (geophysicist)							TPT	25.25	91	iPd	38	31.10	-0.5
ABH	1.82	187	ePn	46	07.50	-0.3	NORTHERN ITALY (545)								1.4s	333.50nm			5.6mb	
RUP	2.05	195	ePn	46	12.90	1.7	ML 2.9 (LDG).							RUV	25.46	92	iPd	38	32.50	-1.0
TOD	2.16	164	ePn	46	09.10	-3.7X	PCP	1.00	248	P	19	20.82	-0.1		1.1s	153.40nm			5.4mb	
GEC2	4.69	125	Pn	46	48.40	-0.4	FIN	1.37	239	P	19	26.48	-0.6	PGZ	26.03	197	eP	38	39.20	0.6
		Pg	47	06.50					S	19	34.96		MNG	26.26	199	P	38	40.90	0.1	
		Sg	48	06.80			ORX	1.48	299	P	19	42.35		KIW	26.66	199	eP	38	46.50	2.1
S.D. = 1.4 on 6 of 7 obs.									S	19	42.35		CAW	26.84	199	eP	38	43.10	-2.9X	
SEP 25, 1993 11h 11m 49.65± 0.39s							ROB	1.54	246	P	19	29.52	0.0	TCW	27.19	200	P	38	49.70	0.6
40.520 N ± 3.9km 23.557 E ± 3.5km									S	19	48.76		QRZ	27.46	203	eP	38	52.00	0.4	
DEPTH = 11.3 ± 3.0 km							IMI	1.72	235	P	19	31.26	-1.0	THZ	28.14	201	P	38	57.80	0.0
GREECE (364)									S	19	48.66		LTZ	29.26	201	P	39	05.60	-2.3	
MD 3.4 (ATH). ML 3.1 (THE).							BHB	1.83	268	P	19	34.09	0.4	WVZ	30.07	203	eP	39	13.00	-1.9
SOH	0.34	333	iPg	11	57.14	0.4	RSP	1.84	278	P	19	35.50	1.5	LMZ	31.18	204	eP	39	22.60	-2.0
		eSg	12	02.46			ENR	1.86	249	P	19	33.76	-0.5	BWZ	31.64	203	P	39	27.10	-1.5
OUR	0.37	120	ePg	11	57.98	0.6	STV	1.92	250	P	19	35.61	0.5	ARMA	34.72	239	iPc	39	54.90	-0.7
		eSg	12	02.30			PZZ	1.99	259	P	19	37.13	0.9	CNB	38.10	233	eP	40	23.90	0.0
THE	0.46	284	iPg	11	58.57	-0.6			S	19	59.74			0.4s	18.00nm			5.3mb		
		eSg	12	05.14			SBF	2.02	239	Pn	19	37.10	0.5	CTA	38.14	258	iPd	40	23.80	-0.6
SRS	0.60	3	iPg	12	01.66	0.1			Sn	20	01.90		CAN	38.38	233	iPc	40	25.80	-0.5	
		eSg	12	11.34			OGA	2.11	23	ePn	19	49.50	11.5X	BWA	38.53	234	iPc	40	25.00	-2.5
PAIG	0.60	171	ePg	12	01.34	-0.3	LPG	2.25	286	Pn	19	41.50	1.4	TOO	41.81	231	iPd	40	54.00	-0.4
		eSg	12	09.30			LPL	2.27	286	Pn	19	40.90	0.6		0.5s	28.00nm			5.3mb	
KNT	0.81	322	ePg	12	05.38	0.1	SCE	2.48	31	iPnd	19	49.70	6.4X	STK	43.42	240	iPc	41	07.80	0.2
		iSg	12	15.98			FRF	2.67	240	Pn	19	45.70	0.0		1.2s	35.80nm			5.0mb	
LIT	0.92	243	ePg	12	07.62	0.6	LMR	2.88	237	Pn	19	48.00	-0.7	ADE	46.38	237	iPc	41	31.10	-0.1
		eSg	12	20.50					Sn	20	22.30		WR2	49.31	257	eP	41	52.70	-1.4	
GRG	0.98	297	ePg	12	07.94	-0.2	KBA	3.26	47	i(Pn)	19	56.00	1.7	ASPA	49.57	252	iPc	41	55.30	-0.8
		eSg	12	23.06				0.5s	8.50nm					0.7s	142.30nm			6.0mb		
MMB	1.08	7	iP	12	09.00	-0.8			i	20	01.90		MTN	53.30	266	eP	42	23.60	-0.5	
KZN	1.38	262	ePb	12	09.50	-5.3X			i	20	36.60		FORT	54.81	243	iPd	42	33.70	-1.3	
KKK	1.39	345	iPc	12	15.00	0.1			i	20	50.40		KNA	55.08	262	eP	42	38.10	1.0	
RZN	1.46	37	iPc	12	16.00	0.0	BSF	3.59	325	Pn	19	59.20	0.3	COOL	60.76	243	iPc	43	15.30	-1.4
RDO	1.63	67	ePn	12	20.00	1.7			Sn	20	41.00			0.5s	21.00nm			5.4mb		
FNA	1.68	280	ePb	12	20.18	1.1	CDF	3.90	334	Pn	20	03.10	-0.3	MBL	62.74	254	eP	43	29.50	-0.5
		eSb	12	44.54					Sn	20	48.10			0.4s	54.00nm			5.8mb		
AGG	1.77	213	ePb	12	20.82	0.4	HAU	3.91	323	Pn	20	03.30	0.0	MEEK	63.24	248	iPc	43	32.50	-0.8
		eSb	12	44.26					Sn	20	49.20			0.6s	33.00nm			5.4mb		
KDZ	1.80	51	iP	12	20.00	-0.8	SMF	4.53	294	Pn	20	11.70	-0.4	KLB	63.63	242	iPc	43	35.00	-0.7
PLD	1.80	28	eP	12	22.00	1.2			Sn	21	03.90			0.6s	31.00nm			5.4mb		
ALN	1.93	78	ePb	12	24.70	2.1	LBF	4.57	299	Pn	20	11.90	-0.9	NWAO	64.00	241	iPc	43	37.70	-0.5
		eSb	12	52.86					Sn	21	04.80			0.6s	8.00nm			4.8mb		
PGB	2.08	13	P	12	25.00	0.1	GEC2	4.73	33	Pn	20	13.60	-1.5	BAL	64.59	243	iPc	43	41.40	-0.6
VTS	2.09	353	iP	12	25.00	-0.1			Sn	21	05.80			0.5s	17.00nm			5.2mb		
SKO	2.16	313	ePn	12	24.50	-1.5	LOR	4.77	302	Pn	20	14.30	-1.3	MUN	64.92	242	eP	43	44.00	-0.1
		iPg	12	26.50					Sn	21	09.20			0.8s	36.00nm			5.4mb		
		i	12	58.00			AVF	4.89	295	Pn	20	16.40	-0.9	MRWA	65.32	245	eP	43	46.30	-0.4
OHR	2.17	287	ePn	12	27.50	1.2	SSF	4.90	298	Pn	20	17.10	-0.3		0.7s	16.00nm			5.1mb	
EZN	2.23	107	ePn	12	24.90	-2.1	S.D. = 0.9 on 25 of 27 obs.							NANU	66.51	252	iPc	43	54.20	-0.1
PRK	2.45	120	ePn	12	36.00	5.9X	SEP 25, 1993 11h 33m 14.68± 0.14s							CSY	69.73	205	iPd	44	13.90	0.3
IGT	2.66	249	ePn	12	35.94	2.7X	15.971 S ± 4.1km 173.803 W ± 4.0km								0.8s	13.60nm			4.8mb	
		eSn	13	07.90			DEPTH = 116.2km (13 depth phases)							BCH	71.98	44	eP	44	27.25	-0.5
MFT	2.85	83	ePn	12	35.00	-0.9	5.2mb (52 obs.)							SAO	72.01	42	eP	44	26.97	-0.8
KGT	2.86	90	iPn	12	35.20	-0.7	TONGA ISLANDS (173)								1.1s	32.37nm			5.0mb	
PVL	3.00	26	eP	12	37.00	-0.9								COE	72.16	41	eP	44	27.75	-0.9
EDC	3.29	92	eP	12	50.40	8.3X									e			44	42.55	53kmX
BNT	3.33	91	ePn	12	50.20	7.5X								ARN	72.31	41	eP	44	30.03	0.5
														ABL	72.37	45	eP	44	29.81	-0.4

BHG	147.86	352	ePKP	52	48.50	4.1X
HAU	148.06	360	ePKP	52	48.40	3.7X
	0.8s	24.60nm				
FEL	148.15	358	PKP	52	48.48	3.5X
MOF	148.20	359	PKP	52	48.82	3.8X
BSF	148.23	359	ePKP	52	48.40	3.3X
	0.9s	14.10nm				
KBA	148.42	351	iPKPc	52	49.30	3.8X
	0.8s	8.10nm				
BBS	148.58	358	PKP	52	49.51	3.9X
HYF	148.65	5	ePKP	52	50.10	4.4X
LOMF	148.71	359	PKP	52	50.33	4.5X
LOR	148.73	3	ePKP	52	50.10	4.3X
	0.8s	18.55nm				
SSF	148.92	4	ePKP	52	50.70	4.6X
	0.9s	36.85nm				
OGA	148.93	354	ePKP	52	51.60	5.2X
MFF	149.01	9	ePKP	52	50.50	4.3X
	1.1s	26.35nm				
LBF	149.02	3	ePKP	52	50.90	4.6X
	0.8s	21.20nm				
AVF	149.18	4	ePKP	52	51.00	4.5X
	0.8s	15.60nm				
SMF	149.35	3	ePKP	52	51.50	4.7X
	1.3s	60.30nm				
BGF	149.38	5	ePKP	52	51.70	4.9X
	0.8s	27.55nm				
LSF	149.56	6	ePKP	52	51.90	4.8X
	1.0s	50.60nm				
TCF	149.59	5	ePKP	52	52.10	4.9X
	0.9s	17.85nm				
MAF	149.69	5	ePKP	52	52.60	5.3X
	1.1s	40.05nm				
RSL	150.37	359	PKP	52	55.09	6.6X
EZN	150.45	327	ePKP	52	54.40	5.8X
RJF	150.49	7	ePKP	52	54.30	5.8X
	1.3s	52.35nm				
LPL	150.54	359	ePKP	52	55.60	6.7X
	1.3s	57.05nm				
LPG	150.56	359	ePKP	52	55.70	6.7X
	1.0s	24.60nm				
SSB	150.75	2	PKP	52	55.71	6.7X
LFF	150.76	8	ePKP	52	55.10	6.2X
	0.8s	33.70nm				
CAF	150.93	6	ePKP	52	55.60	6.4X
	0.9s	20.15nm				
LPO	151.07	7	ePKP	52	55.70	6.3X
	0.7s	15.20nm				
OHR	151.94	336	ePKP	52	58.00	7.1X
EFF	152.57	9	ePKP	52	59.40	7.7X
	0.9s	11.80nm				
BCAO	163.31	228	iPKPd	53	13.90	8.7X
	0.7s	18.00nm				
		id		53	57.20	
S.D. = 1.0 on 149 of 196 obs.						

% SEP 25, 1993	11h	55m	14.52±	0.62s		
40.509 N ± 5.3km			23.563 E ± 5.8km			
DEPTH = 10.0km			(geophysicist)			
GREECE						(364)
ML 1.7 (THE).						
SOH	0.35	333	iPg	55	21.64	-0.1
			eSg	55	26.20	
OUR	0.36	119	ePg	55	22.44	0.4
			eSg	55	28.16	
THE	0.47	285	ePg	55	23.66	-0.4
			eSg	55	29.68	
PAIG	0.59	171	ePg	55	25.89	-0.5
			eSg	55	33.80	
SRS	0.61	2	ePg	55	26.20	-0.6
			eSg	55	35.64	
KNT	0.82	322	ePg	55	31.24	0.8
			eSg	55	40.68	
LIT	0.92	244	ePg	55	32.36	0.3
			eSg	55	45.04	
GRG	0.99	297	ePg	55	33.48	

25d 12h

eSg 01 44.10
 EZN 1.21 305 ePn 01 39.50 0.1
 EDC 1.23 9 ePn 01 39.40 -0.4
 BNT 1.25 11 iPn 01 40.20 0.1
 KCT 1.26 27 iPn 01 40.60 0.3
 KGT 1.34 350 iPn 01 41.60 0.0
 S.D. = 0.3 on 6 of 6 obs.

% SEP 25, 1993 12h 02m 27.76± 0.74s
 39.658 N ± 7.3km 29.479 E ± 6.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

ALT 0.78 141 ePg 02 43.00 0.0
 eSg 02 55.00
 EYL 1.05 30 ePn 02 47.10 -0.5
 KCT 1.05 305 iPn 02 47.10 -0.4
 HRT 1.17 7 ePn 02 50.20 0.5
 BNT 1.39 301 ePn 02 53.20 0.1
 EDC 1.42 300 ePn 02 53.40 -0.2
 KGT 1.85 296 iPn 03 00.10 0.3
 S.D. = 0.5 on 7 of 7 obs.

% SEP 25, 1993 12h 23m 23.00± 0.67s
 40.514 N ± 5.6km 23.553 E ± 7.3km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)

SOH 0.34 334 iPg 23 30.20 0.1
 eSg 23 34.68
 OUR 0.37 119 ePg 23 31.08 0.4
 eSg 23 36.12
 PAIG 0.59 171 ePg 23 34.52 -0.5
 eSg 23 42.64
 SRS 0.60 3 iPg 23 34.80 -0.4
 eSg 23 43.84
 KNT 0.82 323 ePg 23 39.00 0.2
 eSg 23 49.84
 LIT 0.91 243 ePg 23 40.64 0.2
 eSg 23 54.32
 S.D. = 0.5 on 6 of 6 obs.

SEP 25, 1993 12h 25m 55.97± 1.31s
 38.248 S ± 8.8km 176.400 E ± 6.7km
 DEPTH = 150.1 ± 13.1 km
 NORTH ISLAND, NEW ZEALAND (159)

TAZ 0.09 80 P 26 15.20 -0.9
 PATZ 0.17 220 P 26 15.50 -0.9
 UTU 0.18 293 P 26 15.50 -0.8
 URZ 0.56 91 Pd 26 16.60 -1.2
 S 26 29.40
 WLZ 0.74 301 P 26 19.00 0.0
 eS 26 33.40
 PAHZ 0.80 140 P 26 19.40 0.0
 WIZ 0.95 41 P 26 20.10 -0.5
 NGZ 1.12 214 Pc 26 23.10 0.9
 CNZ 1.16 215 eP 26 23.10 0.5
 MOZ 1.28 258 Pd 26 24.60 1.0
 S 26 43.50
 TTH 1.33 166 P 26 25.10 1.0
 NOZ 1.34 107 P 26 24.60 0.5
 WAHZ 1.45 181 Pc 26 26.00 0.6
 PUZ 1.47 84 P 26 26.00 0.4
 S 26 45.90
 HBZ 1.64 67 P 26 28.50 1.2
 BSZ 1.93 216 P 26 32.40 1.8
 PGZ 2.37 182 P 26 35.90 0.0
 MNG 2.47 196 Pc 26 37.10 -0.1
 S 27 05.60
 KIW 2.85 203 P 26 41.60 -0.4
 MTW 2.99 193 P 26 42.90 -0.8
 CAW 3.04 199 P 26 43.70 -0.6
 DTW 3.19 216 P 26 46.80 0.5
 WEL 3.28 202 eP 26 47.30 -0.2
 MOW 3.29 195 P 26 46.70 -0.9
 QRZ 3.95 228 eP 26 56.40 0.2
 LTZ 5.52 213 eP 27 16.00 -1.1
 eS 28 15.60
 S.D. = 0.9 on 26 of 26 obs.

* SEP 25, 1993 12h 31m 25.75± 2.29s
 37.642 S ± 10.2km 177.667 E ± 9.4km
 DEPTH = 89.7 ± 25.9 km
 OFF E. COAST OF N. ISLAND, N.Z. (160)

WIZ 0.40 286 eP 31 39.70 -0.2
 eS 31 47.70
 HBZ 0.51 85 Pd 31 41.10 0.4
 PUZ 0.64 133 Pc 31 41.60 -0.3
 S 31 53.40
 URZ 0.76 215 Pd 31 42.70 -0.3
 S 31 55.70
 NOZ 1.02 163 Pc 31 45.80 -0.1
 TAZ 1.09 237 Pd 31 47.20 0.5
 UTU 1.28 245 P 31 49.80 0.6
 PATZ 1.34 236 eP 31 49.40 -0.5
 WLZ 1.66 261 Pc 31 54.00 0.1
 KUZ 1.79 299 P 31 55.40 -0.3
 S.D. = 0.5 on 10 of 10 obs.

% SEP 25, 1993 12h 37m 42.43± 0.61s
 40.516 N ± 5.3km 23.559 E ± 5.7km
 DEPTH = 10.0km (geophysicist)
 GREECE (364)
 ML 2.1 (THE).

SOH 0.34 333 iPg 37 49.84 0.3
 iSg 37 54.50
 OUR 0.37 119 iPg 37 50.42 0.4
 eSg 37 56.20
 THE 0.47 285 ePg 37 51.56 -0.4
 eSg 37 57.08
 PAIG 0.60 171 iPg 37 53.85 -0.6
 eSg 38 01.92
 SRS 0.60 2 iPg 37 54.40 -0.2
 eSg 38 03.60
 KNT 0.82 322 ePg 37 57.76 -0.5
 eSg 38 09.16
 LIT 0.92 243 ePg 38 00.48 0.5
 iSg 38 13.04
 GRG 0.98 297 ePg 38 01.52 0.4
 S.D. = 0.5 on 8 of 8 obs.

% SEP 25, 1993 12h 56m 33.76± 1.50s
 39.940 N ± 8.4km 23.835 E ± 11.6km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 2.3 (THE).

PAIG 0.12 264 iPg 56 36.21 -0.5
 eSg 56 39.18
 OUR 0.41 16 iPg 56 42.01 -0.1
 eSg 56 47.82
 SOH 0.95 337 ePg 56 51.94 0.0
 eSg 57 05.58
 THE 0.96 316 ePg 56 51.94 -0.1
 eSg 57 05.90
 LIT 1.05 279 iPg 56 53.42 -0.1
 eSg 57 08.38
 SRS 1.19 351 ePb 56 55.90 -0.1
 KNT 1.41 330 ePb 56 59.34 -0.2
 eSb 57 19.34
 AGG 1.48 232 ePb 57 00.74 0.2
 GRG 1.49 313 ePb 57 01.38 0.7
 iSb 57 22.74
 S.D. = 0.4 on 9 of 9 obs.

% SEP 25, 1993 13h 31m 20.31± 0.70s
 40.509 N ± 6.6km 23.563 E ± 7.6km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 ML 1.9 (THE).
 SOH 0.35 333 iPg 31 27.37 -0.2
 eSg 31 32.21
 OUR 0.36 118 iPg 31 28.30 0.5
 eSg 31 33.94
 THE 0.47 285 ePg 31 30.28 0.4
 eSg 31 36.00
 PAIG 0.59 171 iPg 31 31.66 -0.5
 eSg 31 39.80
 SRS 0.61 2 iPg 31 32.30 -0.3
 eSg 31 41.56
 KNT 0.82 322 ePg 31 36.36 0.1
 eSg 31 47.08
 S.D. = 0.5 on 6 of 6 obs.

% SEP 25, 1993 13h 33m 43.07± 0.80s
 39.668 N ± 7.7km 29.406 E ± 7.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.8 (ISK).

ALT 0.82 138 ePg 33 59.00 0.0
 eSg 34 09.50
 KCT 0.99 306 iPn 34 01.60 -0.3
 EYL 1.07 32 iPn 34 03.10 -0.1
 HRT 1.17 10 ePn 34 05.10 0.2
 EDC 1.37 300 ePn 34 08.40 0.3
 MFT 1.97 305 ePn 34 17.00 0.0
 S.D. = 0.3 on 6 of 6 obs.

SEP 25, 1993 13h 49m 40.98± 1.17s
 51.521 N ± 10.2km 16.124 E ± 6.3km
 DEPTH = 5.0km (geophysicist)
 POLAND (548)
 ML 3.7 (GRF), 3.4 (VIE).

KSP 0.69 171 iP 49 54.30 -0.4
 iS 50 03.20
 e 50 08.10
 BRG 1.52 246 ePn 50 09.70 0.9
 iPg 50 10.70
 iSg 50 30.50
 CLL 1.97 265 iPn 50 14.90 -0.4
 iPg 50 18.30
 iSg 50 43.80
 VRAC 2.24 172 iPnc 50 19.90 0.7
 e 50 22.20
 eSg 50 51.10
 e 50 53.30
 OJC 2.67 118 eP 50 25.10 -0.3
 eS 50 53.50
 HOF 2.95 247 ePn 50 29.10 -0.2
 MOX 2.97 255 ePn 50 30.00 0.3
 iPg 50 37.50
 iSg 51 17.70
 GEC2 3.10 211 Pn 50 31.40 -0.1
 Pg 50 38.10
 Sn 51 09.90
 Sg 51 18.10
 WET 3.16 222 iPc 50 32.40 0.1
 VKA 3.26 178 iPnd 50 34.50 0.7
 iPg 50 42.20
 iSg 51 25.70
 ZST 3.39 169 e(Pn) 50 43.90 8.3X
 i(Sn) 51 29.70
 Lg 51 42.00
 GRF 3.62 242 ePn 50 38.50 -0.4
 ePg 50 50.90
 e(Sn) 51 25.20
 eSg 51 36.60
 SRO 3.97 158 eP 51 11.00 27.1X
 e 51 39.90
 BHG 4.35 210 iPnc 51 05.50 16.3X
 KBA 4.80 203 iPnc 50 55.20 -0.7
 i 51 14.00
 i 52 02.80
 iSg 52 16.20
 WTTA 5.17 216 iPnc 51 00.80 -0.2
 i 52 13.20
 iSg 52 27.20
 S.D. = 0.6 on 13 of 16 obs.

% SEP 25, 1993 14h 10m 26.96± 0.64s
 40.821 N ± 6.3km 28.678 E ± 5.1km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

CTT 0.38 330 iPg 10 34.20 -0.5
 iSg 10 39.20
 ISK 0.38 50 iPg 10 34.40 -0.3
 iSg 10 40.10
 BNT 0.74 231 iPg 10 41.20 -0.3
 eSg 10 51.20
 HRT 0.75 90 iPg 10 42.10 0.4
 iSg 10 52.10
 EDC 0.78 233 iPg 10 41.40 -0.8
 eSg 10 53.40
 MFT 1.06 269 ePn 10 47.20 0.2
 KGT 1.11 251 iPn 10 48.60 0.8
 DMK 1.22 326 ePn 10 50.00 0.4
 S.D. = 0.6 on 8 of 8 obs.

% SEP 25, 1993 14h 17m 22.62± 0.60s
 41.155 N ± 6.7km 28.471 E ± 4.0km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

25d 14h

CTT	0.03	256	iPg	17	23.70	-1.0
ISK	0.45	101	iPg	17	31.60	-0.2
			iSg	17	38.20	
DMK	0.85	321	iPg	17	39.50	0.4
			iSg	17	52.00	
BNT	0.90	208	iPg	17	40.20	0.3
			iSg	17	52.20	
EDC	0.93	210	ePg	17	40.40	0.0
HRT	0.97	110	ePn	17	41.00	0.0
MFT	0.97	248	ePn	17	41.00	-0.2
KGT	1.13	232	iPn	17	44.10	0.3
EYL	1.41	114	ePn	17	48.60	0.2

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

* SEP 25, 1993 15h 04m 24.41±1.65s
33.646 S ± 7.1km 72.191 W ±12.9km
DEPTH = 13.5 ± 3.7km
OFF COAST OF CENTRAL CHILE (134)
MD 4.5 (SAN).

LCCH	0.55	72	iP	04	35.18	-0.1
LNv	0.72	116	iP	04	38.99	0.8
			iS	04	49.11	
IHA	0.77	37	iPc	04	39.20	0.1
			iS	04	48.90	
TACH	1.05	91	iP	04	42.86	-1.0
ROCH	1.19	56	iP	04	45.56	-1.0
			iS	04	59.91	
SAN	1.29	82	iP	04	47.27	-0.7
			iS	05	03.76	
PEL	1.36	69	iP	04	48.57	-0.4
			iS	05	05.13	
PCH	1.40	89	iP	04	48.61	-1.0
			iS	05	06.19	
CACH	1.40	110	iP	04	50.01	0.3
FCH	1.62	79	iP	04	52.50	-0.5
			iS	05	12.74	
JACH	1.65	55	iP	04	52.48	-0.7
			iS	05	12.84	
MDZ	2.90	76	iP	05	18.20	7.1X
			i	05	27.80	
			iS	05	54.20	
RFA	3.28	111	ePc	05	17.50	0.9
			S	06	13.00	
RTCB	3.58	54	iPd	05	21.50	0.7
ZON	3.63	56	eP	05	26.50	5.0X
RTLL	3.90	55	ePc	05	25.70	0.4
CFA	3.90	60	e(P)	05	25.00	-0.3
			S	06	17.60	
RTRS	4.17	35	ePd	05	30.10	1.1
RTFR	5.86	57	e(P)	05	50.20	-2.8X
CYA	7.55	48	iPc	06	11.50	-5.2X
SLA	10.64	35	e(P)	07	14.00	14.4X
GBA	145.96	119	PKP	24	04.00	-1.0

S.D. = 0.8 on 17 of 22 obs.

% SEP 25, 1993 15h 07m 23.10±3.37s
33.600 S ± 9.0km 72.100 W ±24.2km
DEPTH = 10.0km (geophysicist)
OFF COAST OF CENTRAL CHILE (134)
MD 4.0 (SAN).

LCCH	0.46	74	iP	07	32.97	0.5
			iS	07	38.67	
LNv	0.67	122	iP	07	36.78	0.3
			iS	07	45.99	
TACH	0.97	93	iP	07	40.63	-0.9
ROCH	1.11	56	iP	07	43.76	-0.3
			iS	07	58.40	
SAN	1.21	83	iP	07	45.42	-0.2
PEL	1.27	69	iP	07	46.66	0.0
			iS	08	02.85	
PCH	1.32	91	iP	07	46.64	-1.0
CACH	1.35	113	iP	07	48.23	0.2
			iS	08	05.42	
FCH	1.54	80	iP	07	50.37	-0.5
			iS	08	11.04	
JACH	1.56	55	iP	07	50.79	-0.2
			iS	08	10.55	

S.D. = 0.6 on 10 of 10 obs.

? SEP 25, 1993 15h 18m 53.60±3.10s
21.139 S ±18.6km 68.631 W ±34.1km
DEPTH = 130.0km (geophysicist)
CHILE-BOLIVIA BORDER REGION (124)

MOCB	2.80	93	P	19	38.20	-0.4
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HJA	3.63	125	ePd	19	49.50	0.2
CNCB	4.35	8	iPc	19	59.50	0.1
CCH	4.42	33	P	20	00.60	0.5
LPAZ	4.85	6	Pc	20	05.90	-0.4
			LR	41	57.00	

S.D. = 0.5 on 5 of 5 obs.

SEP 25, 1993 15h 23m 23.94s
32.376 N 115.052 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 3.0 (PAS).

PLM	1.81	303	ePn	23	54.65	-1.4
PEC	2.33	311	ePn	24	04.53	1.1
SSK	2.87	310	(Pn)	24	12.93	1.7
GSC	3.26	334	ePn	24	17.73	1.0
TUC	3.61	90	(Pn)	24	21.51	-0.2
ISA	4.34	320	(Pn)	24	31.01	-1.0
TPNV	4.67	348	(Pn)	24	38.04	1.3
ARUT	5.56	13	(Pn)	24	51.64	2.2
BONR	6.17	335	(Pn)	24	59.70	1.6
MSU	6.56	20	(Pn)	25	04.50	1.0
SRU	7.66	27	(Pn)	25	19.69	0.8
PV10	7.74	38	(Pn)	25	19.00	-1.1

12 obs. associated

? SEP 25, 1993 15h 27m 30.30±4.16s
33.608 S ±11.1km 72.116 W ±29.2km
DEPTH = 10.0km (geophysicist)
OFF COAST OF CENTRAL CHILE (134)
MD 3.8 (SAN).

LCCH	0.48	74	iP	27	40.71	0.8
			iS	27	46.61	
LNv	0.68	121	iP	27	44.40	0.6
			iS	27	52.94	
TACH	0.98	93	iP	27	48.47	-0.5
			iS	28	00.37	
ROCH	1.12	56	iP	27	51.47	0.0
			iS	28	05.39	
PEL	1.28	69	iP	27	54.20	0.1
			iS	28	10.04	
PCH	1.34	91	iP	27	54.29	-0.7
			iS	28	09.60	
FCH	1.55	80	iP	27	58.07	-0.2
			iS	28	17.51	
JACH	1.58	55	iP	27	58.58	0.1
			iS	28	19.14	

S.D. = 0.6 on 8 of 8 obs.

? SEP 25, 1993 15h 41m 45.24±1.49s
3.389 S ±18.2km 130.485 E ±37.0km
DEPTH = 33.0km (normal)
4.8mb (1 obs.)
SERAM, INDONESIA (272)

SLKI	4.63	170	iPc	42	54.60	-0.2
MTN	9.42	176	eP	44	00.40	-1.4
			iS	45	24.00	
KNA	12.40	188	eP	44	42.50	0.2
WR2	16.89	167	eP	45	35.00	-5.8X
			eS	48	16.70	
QIS	19.24	153	eP	46	09.00	-0.8
			eS	49	18.40	
ASPA	20.43	171	iPc	46	25.10	2.5
			0.4s	20.40nm	4.8mb	
			eS	49	37.00	
GUN	53.01	309	P	51	01.40	-0.5
KKN	53.42	308	P	51	04.80	0.1
DMN	53.47	308	P	51	05.20	0.0

S.D. = 1.3 on 8 of 9 obs.

* SEP 25, 1993 16h 12m 56.32±1.80s
45.590 N ±15.7km 15.757 E ±11.4km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)
ML 2.0 (ZAG).

ZAG	0.28	35	iPg	13	02.60	0.5
			iSg	13	07.80	
PTJ	0.34	24	iPg	13	03.30	-0.1
			iSg	13	09.90	
VBY	0.36	256	iPg	13	03.40	-0.4
			iSg	13	08.30	
CEY	0.94	280	ePg	13	15.20	0.9
			eSg	13	29.60	

LJU	0.97	298	ePg	13	15.00	0.3
			eSg	13	28.80	
RIY	1.00	256	ePg	13	14.70	-0.5
			iSg	13	28.20	
VOY	1.38	289	ePn	13	21.90	0.3
			eSn	13	40.40	
TRI	1.40	276	e(Pg)	13	22.10	0.2
			e(Sg)	13	42.00	
GEC2	3.54	337	Pn	13	51.40	-1.2
			Sn	14	32.10	
			Sg	14	48.80	

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

? SEP 25, 1993 16h 54m 38.73±1.11s
44.418 N ± 7.0km 7.359 E ±15.1km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 1.4 (GEN).

STV	0.18	188	P	54	42.67	-0.1
			S	54	44.86	
ENR	0.20	167	P	54	43.18	0.1
			S	54	45.92	
PZZ	0.20	295	P	54	43.31	0.0
			S	54	46.19	
BHB	0.43	351	P	54	47.47	0.0
			S	54	53.83	

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

? SEP 25, 1993 16h 58m 29.38±4.79s
23.016 S ±45.2km 179.469 E ±54.6km
DEPTH = 550.0km (geophysicist)
4.7mb (7 obs.)
SOUTH OF FIJI ISLANDS (171)

URZ	15.33	187	P	01	41.10	-0.5
			S	04	15.20	
NOZ	15.60	184	P	01	46.20	1.9
MNG	17.87	190	eP	02	04.70	-1.6
QRZ	18.70	197	P	02	15.30	1.1
THZ	19.49	195	eP	02	22.00	0.3
LTZ	20.60	195	P	02	30.60	-1.4
ARMA	25.89	247	iPd	03	20.30	0.6
			0.8s	20.00nm	4.8mb	
CNB	28.89	238	iPd	03	46.80	1.0
			0.4s	19.00nm	5.1mb	
CAN	29.18	238	iPc	03	48.50	0.3
BWA	29.40	240	iPc	03	48.10	-2.0
CTA	30.99	269	iPc	04	04.60	0.8
			0.4s	378.81nm	6.4mb X	
TOO	32.53	236	iPc	04	16.80	0.2
			0.4s	13.00nm	4.9mb	
STK	34.61	247	iPc	04	34.50	0.4
			0.7s	3.60nm	4.1mb	
ASPA	41.71	260	iPc	05	31.70	-0.2
			0.7s	16.90nm	4.7mb	
WR2	41.96	265	iP	05	33.20	-0.7
			0.4s	8.90nm	4.6mb	
WRA	41.98	265	P	05	34.00	-0.1
			0.8s	4.40nm	4.0mb	
CLL	149.87	343	iPKP	17	21.50	8.7X
			0.9s	11.00nm		
BRG	150.00	342	iPKP	17	22.30	9.3X
GEC2	151.86	340	PKP	17	26.10	10.1X
			0.6s	0.66nm		

S.D. = 1.1 on 16 of 19 obs.

% SEP 25, 1993 17h 11m 33.03±3.39s
33.586 S ± 8.0km 71.857 W ±27.0km
DEPTH = 21.3 ± 7.9 km
NEAR COAST OF CENTRAL CHILE (135)
MD 4.0 (SAN).

LCCH	0.26	65	iP	11	39.44	0.2
			iS	11	45.43	
LNv	0.52	135	iP	11	43.14	-0.3
			iS	11	52.01	
TACH	0.77	95	iP	11	47.40	-0.3
			iS	12	00.37	
ROCH	0.94	49	iP	11	50.05	-0.6
			iS	12	05.46	
SAN	1.01	83	iP	11	52.00	0.3
			iS	12	07.74	
PEL	1.08	66	iP	11	52.95	0.1
			iS	12	09.10	
PCH	1.12	92	iP	11	53.21	-0.4
CACH	1.17	117	iP	11	54.73	0.4

25d 17h

FCH 1.33 79 iS 12 12.29
JACH 1.39 50 iP 11 57.01 0.2
12 17.95
S.D. = 0.4 on 10 of 10 obs.

* SEP 25, 1993 18h 26m 23.69± 1.87s
14.132 N ± 24.5km 93.836 W ± 11.6km
DEPTH = 10.0km (geophysicist)
4.1mb (5 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.71 63 iP 26 53.00 -0.7
IS 27 15.00
SCX 2.84 24 iP 27 10.00 0.2
IS 27 41.00
PCG 3.14 85 eP 27 15.32 0.9
IXG 3.28 89 eP 27 16.63 0.3
YUP 3.91 88 eP 27 29.21 3.9X
eS 28 21.58
OXX 4.04 317 eP 27 29.50 2.3
(S) 28 23.00
IISM 5.90 325 (P) 28 02.00 8.7X
IIT 6.48 319 (P) 28 23.00 21.2X
PPM 6.72 318 (P) 28 12.00 6.6X
LTX 17.65 331 eP 30 31.32 -0.2
UYO 19.95 358 iPc 31 00.50 1.6
WMOK 21.00 349 eP 31 08.18 -1.6
1.0s 5.36nm 3.9mb
TUL 21.76 356 iP 31 24.20 6.8X
ALQ 23.64 333 eP 31 39.79 3.6X
0.9s 2.24nm 3.7mb
TUC 23.81 322 eP 31 37.37 -0.4
0.8s 3.49nm 4.0mb
YKA 50.50 348 eP 35 21.70 -2.0
0.6s 2.70nm 4.4mb
INK 59.82 344 eP 36 30.00 -1.2
NB2 84.88 28 P 39 00.40 0.6
0.8s 3.10nm 4.6mb
S.D. = 1.4 on 12 of 18 obs.

& SEP 25, 1993 19h 05m 28.57s
60.631 N 149.783 W
DEPTH = 35.3km
KENAI PENINSULA, ALASKA (14)
<AEIC>. ML 3.1 (AEIC).

MPA 0.25 124 iPc 05 35.59 -0.3
eS 05 41.36
PTE 0.44 58 iPd 05 37.36 -0.9
eS 05 44.16
SEW 0.55 162 eP 05 38.89 -1.0
eS 05 47.88
NKA 0.72 280 iPc 05 43.43 1.1
PWL 0.75 72 eP 05 41.67 -1.0
eS 05 52.23
PLRM 1.02 18 iPd 05 45.51 -0.9
PMR 1.02 18 eP 05 45.13 -1.3
eS 05 56.80
KNK 1.02 39 iPd 05 45.65 -0.9
eS 05 59.10
PWA 1.02 357 P 05 46.50 -0.1
BRLK 1.03 213 eP 05 46.41 -0.3
eS 06 00.64
CFI 1.13 60 eP 05 47.16 -0.9
eS 06 01.68
GHO 1.22 20 iPd 05 48.81 -0.7
eS 06 05.79
SPU 1.24 297 iPc 05 49.32 -0.5
eS 06 06.03
RDT 1.30 269 eP 05 50.27 -0.4
eS 06 07.57
CRP 1.32 300 ePc 05 50.18 -1.0
eS 06 07.66
CNPM 1.33 214 ePd 05 50.65 -0.4
eS 06 08.12
HOM 1.35 224 eP 05 51.18 -0.2
eS 06 09.81
CP2 1.36 299 eP 05 51.52 -0.2
CKL 1.37 296 iPc 05 51.31 -0.5
SML 1.37 30 iPd 05 50.85 -0.9
NCG 1.39 305 eP 05 51.72 -0.4
eS 06 11.08
BGL 1.42 298 ePc 05 52.14 -0.4
DFR 1.43 270 ePc 05 52.14 -0.5
eS 06 09.88
RS2 1.48 265 eP 05 53.33 -0.1

RED 1.49 263 ePc 05 53.14 -0.4
eS 06 11.11
RDW 1.50 266 eP 05 53.35 -0.4
eS 06 11.10
XLV 1.53 220 eP 05 53.36 -0.6
NCT 1.55 269 eP 05 54.08 -0.3
eS 06 12.58
ILIM 1.67 252 eP 05 55.52 -0.5
eS 06 16.51
SCM 1.69 43 eP 05 55.75 -0.6
INE 1.73 252 eP 05 57.15 0.2
eS 06 18.47
INW 1.76 253 eP 05 57.39 0.1
VLZ 1.76 72 eP 05 55.89 -1.3
CUT 1.80 353 eP 05 57.07 -0.6
OPT 1.98 242 eP 06 00.43 0.0
CVA 1.99 91 eP 05 58.24 -2.3
KLU 2.07 64 iPd 06 00.41 -1.3
AUP 2.23 237 P 06 05.00 1.0
AUW 2.24 237 P 06 04.90 0.8
SGAM 2.26 91 P 06 06.30 1.9
TOA 2.28 48 P 06 05.00 0.3
HUR 2.36 2 P 06 07.00 1.3
PDB 2.36 251 eP 06 05.67 0.0
SYI 2.42 214 eP 06 06.02 -0.6
DHY 2.71 24 eP 06 11.65 0.8
SDG 2.78 45 eP 06 12.65 0.9
RND 2.82 9 P 06 13.80 1.4
TRF 2.84 355 P 06 14.60 1.9
SVW 2.90 282 eP 06 12.08 -1.3
KTH 2.98 350 P 06 16.10 1.5
GLB 3.02 72 eP 06 13.31 -1.8
PAX 3.12 39 eP 06 16.64 0.0
KDC 3.21 207 eP 06 15.23 -2.6
BALM 3.66 80 eP 06 21.63 -2.7
IL1 4.36 17 eP 06 33.92 -0.3
ILB 4.36 17 P 06 35.50 1.3
FBA 4.38 11 eP 06 34.03 -0.4
BC3 4.51 54 eP 06 34.79 -1.5
IM3 5.66 343 eP 06 50.64 -1.8
IMA 5.73 344 eP 06 53.47 -0.1
60 obs. associated

SEP 25, 1993 19h 41m 58.31± 0.35s
42.228 N ± 2.6km 122.092 W ± 5.6km
DEPTH = 5.0km (geophysicist)
OREGON (32)
ML 3.0 (GS). MD 2.7 (SEA).

LGMM 0.66 163 P 42 11.42 0.0
LASM 0.74 148 P 42 12.22 -0.8
LMPM 0.74 184 P 42 13.21 0.1
BBOR 0.79 327 P 42 13.50 -0.7
S 42 24.89
LGBM 0.89 185 P 42 15.86 -0.1
LBPM 0.89 170 eP 42 15.54 -0.5
eS 42 26.61
LBKM 1.22 201 P 42 19.23 -2.4
DBO 1.23 317 P 42 21.68 0.0
S 42 39.71
KSXM 1.39 254 P 42 24.63 0.2
KOMM 1.39 227 P 42 24.23 -0.3
LGPM 1.43 203 eP 42 23.95 -1.1
eS 42 42.12
HSO 1.49 331 Pd 42 25.59 -0.3
S 42 46.42
HBO 1.62 354 Pc 42 27.44 -0.4
S 42 50.13
NCOR 1.63 25 P 42 27.55 -0.4
WDC 1.68 192 eP 42 28.27 -0.2
LCFM 1.79 166 P 42 30.77 0.4
LDBM 1.81 173 P 42 31.48 1.0
LHKM 1.89 161 P 42 32.60 0.8
FHC 2.01 226 eP 42 34.08 0.7
RNO 2.07 325 P 42 35.93 1.7
FBO 2.11 350 P 42 35.32 0.5
S 43 04.05
KMPM 2.37 221 (P) 42 39.26 0.7
VIPM 2.52 25 P 42 42.17 1.4
SSOR 2.64 354 P 42 42.01 -0.4
ORV 2.71 170 eP 42 43.93 0.6
GT2 2.93 358 P 42 49.71 3.2X
VGB 3.42 16 (P) 42 51.70 -1.7
COE 4.97 176 (P) 43 16.66 1.2
BONR 5.16 144 (P) 43 21.14 2.7X
S.D. = 1.0 on 27 of 29 obs.

SEP 25, 1993 20h 25m 09.18± 0.51s
39.060 S ± 4.5km 174.747 E ± 5.3km
DEPTH = 267.5 ± 6.3 km
NORTH ISLAND, NEW ZEALAND (159)

MOZ 0.56 5 Pc 25 43.70 -0.6
S 26 05.80
CNZ 0.64 103 Pd 25 44.30 -0.4
NGZ 0.67 100 Pc 25 44.50 -0.4
NRZ 0.69 246 P 25 45.00 0.3
BSZ 0.75 169 Pc 25 45.10 0.2
PATZ 1.36 61 P 25 48.20 -0.4
WLZ 1.36 30 Pc 25 48.90 0.4
S 26 14.50
WAHZ 1.40 118 P 25 48.40 -0.4
UTU 1.43 53 P 25 48.90 -0.1
TAHZ 1.55 93 P 25 50.40 0.4
TAZ 1.61 60 P 25 50.20 0.0
MNG 1.66 160 Pc 25 50.50 -0.1
S 26 16.40
TTH 1.68 107 P 25 51.10 0.3
KIW 1.81 176 Pc 25 51.70 -0.1
PAHZ 1.81 84 P 25 51.70 -0.2
TEHZ 1.85 121 P 25 52.30 0.1
DIW 1.85 200 P 25 51.70 -0.5
MOH 1.87 93 P 25 52.70 0.4
PGZ 1.95 143 P 25 52.80 -0.2
URZ 2.02 67 P 25 52.70 -0.8
S 26 20.40
CAW 2.06 173 Pc 25 54.00 0.0
MRW 2.17 181 Pc 25 55.00 0.1
S 26 24.30
MTW 2.17 165 Pc 25 54.70 -0.3
TCW 2.18 189 P 25 55.50 0.5
WEL 2.22 180 P 25 55.30 -0.1
BLW 2.37 167 Pc 25 56.80 0.0
MOW 2.39 171 Pc 25 56.90 -0.1
KUZ 2.43 19 Pd 25 58.60 1.2
S 26 32.90
QRZ 2.45 223 P 25 57.60 0.0
S 26 30.40
WIZ 2.46 52 P 25 57.10 -0.5
NOZ 2.61 81 P 25 59.40 0.3
CCW 2.72 188 P 26 01.10 0.9
PUZ 2.92 71 Pd 26 02.10 -0.2
S 26 37.80
THZ 3.04 207 P 26 04.10 0.4
S 26 42.50
HBZ 3.15 64 P 26 04.90 0.2
LTZ 4.17 206 P 26 16.80 0.6
MQZ 4.90 198 eP 26 24.50 -0.3
S 27 19.40
WVZ 5.03 216 P 26 26.50 0.2
LMZ 6.21 220 P 26 40.30 -0.5
BWZ 6.56 212 eP 26 45.00 -0.2
ODZ 6.71 206 P 26 48.40 1.3
S 27 59.60
LRCZ 7.22 212 eP 26 53.10 -0.5
MHZ 7.24 212 eP 26 52.60 -1.2
LSCZ 7.25 212 eP 26 53.40 -0.4
SBCZ 7.26 212 eP 26 52.80 -1.1
MMCZ 7.26 213 P 26 53.80 -0.2
CMCZ 7.32 212 eP 26 54.70 0.0
TLC 7.44 213 P 26 56.10 -0.1
MSZ 7.57 220 P 26 57.80 0.0
S 28 19.00
TUZ 7.86 207 eP 27 02.90 1.6
S.D. = 0.6 on 50 of 50 obs.

SEP 25, 1993 21h 06m 31.87± 0.68s
23.195 S ± 6.5km 71.276 W ± 9.0km
DEPTH = 10.0km (geophysicist)
5.1mb (2 obs.)

OFF COAST OF NORTHERN CHILE (121)
Felt (III) at Antofagasta.

ANT 0.94 123 iPd 06 50.00 0.2
IS 07 10.50
HJA 5.40 91 iPc 07 55.00 0.6
YJA 5.43 80 ePc 07 54.50 -0.8
SLA 5.50 107 eP 07 57.00 0.9
MOCB 5.57 71 P 07 58.50 1.2
ARE 6.70 358 eP 08 11.00 -2.1
eS 09 25.00
CNCB 7.06 27 iPd 08 19.00 0.6
CYA 7.19 138 ePd 08 19.30 -0.4
(S) 09 53.50

CKL	0.84	240	eP	37	33.96	-0.6
NKA	0.91	193	eP	37	36.69	1.4
GHO	0.92	80	iPc	37	35.12	-0.5
			eS	37	48.68	
KNK	1.16	100	iPd	37	38.08	-0.7
			eS	37	54.07	
PTE	1.16	130	iPc	37	37.87	-0.9
			eS	37	53.93	
SML	1.21	80	iPd	37	38.38	-1.1
RDT	1.30	216	eP	37	40.02	-0.8
			eS	37	57.25	
MPA	1.35	147	eP	37	40.63	-0.7
			eS	37	58.09	
DFR	1.37	222	iPd	37	41.04	-0.7
PWL	1.43	121	eP	37	41.14	-1.4
			eS	38	00.06	
REF	1.46	219	ePd	37	42.43	-0.6
			eS	37	59.79	
HUR	1.47	22	eP	37	42.35	-0.7
			eS	38	01.41	
NCT	1.48	224	iPd	37	42.60	-0.6
RDW	1.50	221	iPd	37	43.04	-0.6
RED	1.54	219	iPd	37	43.39	-0.6
CFI	1.54	105	iPd	37	42.62	-1.4
SEW	1.67	155	eP	37	45.53	-0.3
			eS	38	05.41	
SCM	1.68	81	ePd	37	44.66	-1.4
TRF	1.85	8	eP	37	46.95	-1.5
ILIM	1.87	215	eP	37	47.84	-0.8
BRLK	1.87	181	eP	37	48.11	-0.5
INE	1.91	216	eP	37	48.60	-0.8
INW	1.93	217	eP	37	49.02	-0.5
KTH	1.93	359	eP	37	48.25	-1.3
RND	2.01	26	eP	37	49.59	-1.1
HOM	2.02	192	eP	37	50.53	-0.1
CNPM	2.12	186	eP	37	50.61	-1.5
DHY	2.17	46	eP	37	51.51	-1.5
XLV	2.22	192	P	37	55.40	1.8
VLZ	2.22	101	eP	37	51.07	-2.5
TOA	2.26	76	P	37	53.20	-1.0
MCK	2.29	22	eP	37	54.23	-0.3
OPT	2.31	212	eP	37	54.49	-0.3
KLU	2.36	91	iPd	37	53.13	-2.4
			eS	38	21.18	
SVW	2.36	259	iPd	37	53.08	-2.5
HIN	2.45	118	eP	37	54.60	-2.1
PDB	2.48	223	eP	37	55.58	-1.5
AUL	2.59	211	P	37	58.70	-0.1
AUE	2.60	210	eP	37	58.57	-0.3
TZL	2.60	78	eP	37	57.73	-1.2
AUP	2.61	210	eP	37	59.03	0.0
AUH	2.61	211	P	38	01.70	2.6
AGU	2.61	211	P	38	00.80	1.6
AUW	2.61	211	eP	37	58.68	-0.4
BWN	2.63	13	eP	37	58.50	-0.8
SDG	2.65	68	eP	37	58.42	-1.2
CVA	2.70	111	eP	37	58.79	-1.5
TTA	2.75	301	eP	37	58.24	-2.9
PAX	2.85	59	eP	38	01.07	-1.5
SGAM	2.96	110	eP	38	01.78	-2.3
CDD	3.05	209	eP	38	04.18	-1.1
NEA	3.07	14	eP	38	03.11	-2.5
HDA	3.30	31	eP	38	06.91	-2.0
CCB	3.33	23	eP	38	06.97	-2.3
GLB	3.37	90	eP	38	07.19	-2.7
DJE	3.38	42	eP	38	09.15	-0.8
MLY	3.42	1	eP	38	08.25	-2.3
HMT	3.46	109	eP	38	07.54	-3.5
MDM	3.55	18	eP	38	10.56	-1.8
FBA	3.56	21	eP	38	09.50	-3.0
IL1	3.63	28	eP	38	10.95	-2.5
ILB	3.63	28	eP	38	10.97	-2.5
GLM	3.71	23	eP	38	12.48	-2.2
DOT						

26d 02h

RED 2.97 196 eP 41 02.70 1.4
 KLU 2.99 124 iP 41 01.80 0.2
 IMA 3.03 339 P 41 00.30 -1.9
 SVW 3.04 227 P 41 06.90 4.7
 VLZ 3.08 132 eP 41 02.93 0.1
 46 obs. associated

SEP 26, 1993 02h 41m 41.40s
 61.643 N 149.634 W
 DEPTH = 30.9km
 SOUTHERN ALASKA (2)
 <AEIC>. ML 2.8 (AEIC), 3.3
 (PMR). Felt (II) at Palmer.

PWA 0.12 274 P 41 47.20 0.2
 PLRM 0.25 102 iPc 41 47.93 -0.3
 eS 41 53.65
 PMR 0.25 102 iPc 41 48.00 -0.2
 GH0 0.36 69 ePc 41 49.33 -0.6
 eS 41 56.56
 KNK 0.61 112 iPc 41 52.68 -1.0
 eS 42 01.88
 SML 0.64 74 iPc 41 52.79 -1.4
 eS 42 02.94
 CUT 0.82 339 iPd 41 55.58 -1.1
 PTE 0.84 159 iPd 41 55.54 -1.3
 eS 42 07.26
 PWL 1.01 141 eP 41 57.91 -1.5
 eS 42 12.41
 CFI 1.01 116 eP 41 58.69 -0.7
 SCM 1.11 79 iPc 42 00.07 -0.9
 eS 42 14.35
 MPA 1.17 173 eP 42 00.00 -1.6
 eS 42 16.79
 NKA 1.19 221 eP 42 03.08 1.1
 NCG 1.23 260 ePc 42 02.05 -0.6
 eS 42 18.78
 SPU 1.25 249 eP 42 02.07 -0.8
 CRP 1.27 254 eP 42 02.40 -0.8
 CP2 1.31 254 eP 42 03.62 -0.2
 HUR 1.34 360 eP 42 03.79 -0.3
 eS 42 22.14
 CKL 1.38 252 eP 42 04.04 -0.7
 BGL 1.38 255 eP 42 04.39 -0.4
 SEW 1.55 177 eP 42 06.25 -0.8
 VLZ 1.67 106 eP 42 08.14 -0.7
 eS 42 28.36
 TOA 1.70 73 P 42 09.80 0.3
 S 42 34.30
 RDT 1.72 233 eP 42 08.90 -0.8
 DHY 1.78 35 eP 42 10.31 -0.4
 eS 42 33.26
 KLU 1.78 93 eP 42 09.84 -0.8
 eS 42 32.71
 RND 1.81 11 eP 42 10.65 -0.3
 eS 42 33.85
 DFR 1.82 236 eP 42 10.26 -0.9
 TRF 1.84 351 eP 42 11.14 -0.4
 eS 42 35.16
 REF 1.89 234 eP 42 11.37 -0.9
 RS2 1.93 233 P 42 12.50 -0.3
 NCT 1.93 237 eP 42 12.01 -0.8
 RDW 1.93 234 eP 42 12.10 -0.8
 RED 1.96 233 eP 42 12.29 -0.9
 eS 42 37.83
 HIN 1.97 128 eP 42 12.12 -1.2
 KTH 2.01 343 eP 42 13.55 -0.3
 eS 42 39.24
 TZL 2.04 77 eP 42 14.52 0.3
 SDG 2.12 63 iPc 42 15.68 0.3
 MCK 2.12 8 eP 42 15.68 0.2
 CVA 2.18 119 eP 42 14.81 -1.4
 HOM 2.22 207 P 42 18.50 1.7
 ILIM 2.26 228 eP 42 16.88 -0.5
 CNPM 2.27 201 eP 42 17.53 0.1
 INE 2.31 228 P 42 14.50 -3.7
 INW 2.33 229 eP 42 17.70 -0.8
 PAX 2.36 54 eP 42 19.18 0.3
 SGAM 2.44 116 eP 42 18.30 -1.6
 THY 2.53 44 P 42 22.30 1.0
 OPT 2.67 223 P 42 24.30 1.1
 RAGM 2.72 115 P 42 26.50 2.5
 PDB 2.91 232 eP 42 25.45 -1.2
 HMT 2.93 114 eP 42 24.50 -2.4
 SVW 2.93 262 P 42 25.60 -1.3
 DJE 3.00 35 P 42 29.80 1.9
 HDA 3.03 23 eP 42 27.96 -0.4

CCB 3.13 15 eP 42 28.70 -1.0
 DOT 3.27 50 P 42 34.40 2.7
 FBA 3.37 13 P 42 32.20 -1.0
 CDD 3.38 218 eP 42 33.60 0.4
 IL1 3.38 20 P 42 34.70 1.4
 ILB 3.38 20 P 42 35.40 2.1
 MDM 3.39 10 eP 42 32.66 -0.8
 MLY 3.44 352 eP 42 32.93 -1.2
 GLM 3.51 16 eP 42 34.23 -0.9
 WAX 3.51 107 P 42 36.90 1.7
 TMW 3.51 58 eP 42 33.32 -1.9
 BALM 3.56 97 eP 42 35.26 -0.8
 BC3 3.93 65 eP 42 39.32 -1.7
 IM3 4.72 339 eP 42 50.60 -1.7
 IMA 4.79 340 eP 42 51.50 -1.8
 70 obs. associated

SEP 26, 1993 03h 19m 16.46 ± 0.75s
 28.848 S ± 5.3km 70.936 W ± 9.1km
 DEPTH = 71.7 ± 12.2 km
 CENTRAL CHILE (136)

RTRS 1.84 136 iPc 19 48.70 2.2
 RTCB 3.22 145 iPd 20 07.00 1.3
 CFA 3.61 140 iPc 20 12.00 0.8
 JACH 3.83 176 P 20 14.88 0.5
 iS 20 59.39
 ROCH 4.11 181 iP 20 17.80 -0.6
 iS 21 11.45
 RTPR 4.12 112 iPd 20 17.60 -0.7
 S 20 47.00
 IHA 4.21 188 iPc 20 18.90 -0.7
 iS 20 26.70
 PEL 4.29 177 iP 20 20.80 0.0
 iS 21 07.71
 MDZ 4.40 156 eP 20 23.80 1.4
 i 21 14.20
 iS 21 38.70
 FCH 4.50 173 iP 20 25.08 1.1
 iS 21 18.32
 CYA 4.54 86 iPd 20 24.70 0.5
 S 20 50.00
 SAN 4.60 177 iP 20 25.12 0.1
 LCCH 4.64 187 iP 20 24.25 -1.4
 PCH 4.77 176 iP 20 27.98 0.4
 iS 21 27.67
 TACH 4.79 180 iP 20 26.94 -0.8
 iS 21 19.36
 LNV 5.11 184 iP 20 30.07 -2.1
 ANT 5.14 5 iPc 20 32.50 -0.2
 iS 21 18.32
 CACH 5.26 177 iP 20 35.47 1.0
 iS 21 37.45
 RFA 6.27 161 ePd 20 46.50 -1.9
 S 21 27.50
 SLA 6.36 51 eP 20 51.00 1.2
 YJA 8.26 38 e(P) 21 16.50 0.2
 MOCB 8.96 34 P 21 24.90 -1.0
 CCH 12.23 22 eP 22 19.00 9.1X
 CNCB 12.28 13 P 22 10.10 -0.7
 i 22 16.80
 ARE 12.34 358 iPd 22 16.00 4.7X
 0.5s 44.37nm 5.6mb X
 LPB 12.53 13 eP 22 09.00 -5.0X
 LPAZ 12.77 12 P 22 16.40 -0.8
 i 22 21.40
 LR 26 45.00
 PPD 18.97 73 eP 23 33.80 -1.1
 RSTA 20.00 83 eP 23 43.60 -2.2
 VAO 22.31 80 eP 24 08.30 -0.9
 BAO 24.92 63 eP 24 35.00 0.5
 SPA 61.32 180 iPc 29 55.60 28.9X
 1.0s 15.00nm
 UYO 66.51 339 iPc 30 02.50 1.9
 TUL 68.54 338 iP 30 15.40 2.1
 S.D. = 1.3 on 30 of 34 obs.

SEP 26, 1993 03h 31m 14.63 ± 0.10s
 9.997 N ± 2.3km 138.222 E ± 2.7km
 DEPTH = 10.0km (geophysicist)
 6.1mb (122 obs.) 6.0MsZ (62 obs.)
 WESTERN CAROLINE ISLANDS (209)
 Mw 6.3 (GS), 6.3 (HRV). Ms 5.9
 (BRK). Mo=8.7*10**18 Nm (PPT).
 Felt on Yap. Depth from
 broadband displacement
 seismograms.

RADIATED ENERGY
 No. of sta: 19 Focal mech. M
 Energy 2.9±0.5*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 9 No. of sta: 32
 Moment Tensor; Scale 10**18 Nm
 Mrr=-2.55 Mtt= 0.18
 Mff= 2.37 Mrt= 0.62
 Mrf=-1.17 Mtf=-0.76
 Principal axes:
 T Val= 2.92 Plg=13 Azm= 72
 N -0.03 4 340
 P -2.88 76 233
 Best Double Couple:Mo=2.9*10**18
 NP1:Strike=168 Dip=32 Slip= -82
 NP2: 338 59 -95
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 49S, **C M.W.: 40S, 72C
 Centroid Location:
 Origin Time 03:31:21.2 0.1
 Lat 10.20N 0.01 Lon 138.29E 0.01
 Dep 15.0 BDY Half-duration 3.4
 Moment Tensor; Scale 10**18 Nm
 Mrr=-2.72 0.02 Mtt=-0.25 0.02
 Mff= 2.97 0.02 Mrt= 0.79 0.07
 Mrf=-0.92 0.09 Mtf=-0.31 0.02
 Principal Axes:
 T Val= 3.17 Plg=10 Azm= 83
 N -0.12 13 350
 P -3.06 73 208
 Best Double Couple:Mo=3.1*10**18
 NP1:Strike=189 Dip=37 Slip= -67
 NP2: 341 56 -106

GUMO 7.42 61 eP 33 03.11 -2.5X
 PJG 7.42 61 eP 33 02.80 -2.8X
 TT 38 55.50
 (TT) 43 44.50
 GUA 7.44 61 eP 33 02.70 -3.1X
 i 33 04.20
 e(S) 34 24.10
 SAPN 8.99 54 eP 33 26.30 -1.2
 ANAT 9.61 48 eP 33 43.10 7.0X
 ALMG 10.57 44 e(P) 33 57.20 7.8X
 DAV 12.84 258 eP- 34 20.00 0.0
 2.4s *****nm 8.0mb X
 e 37 07.20
 PLP 13.07 276 ePd 34 25.00 1.9
 CGP 13.44 265 iPd 34 33.00 5.0X
 CTB 14.14 260 ePd 34 44.00 6.8X
 GQP 15.91 286 eP 35 03.00 2.6X
 TLE 16.46 200 ePd 35 11.10 3.7X
 1.7s 23.90nm 4.0mb X
 MDG 16.91 153 eP 35 17.20 4.1X
 MNDI 16.93 161 eP 35 19.00 5.4X
 QCP 17.37 287 eP 35 19.50 0.7
 TGY 17.39 285 ePc 35 19.50 0.3
 QVP 17.44 287 ePd 35 22.90 3.2X
 CVP 17.66 297 ePc 35 25.00 2.5X
 KVG 17.71 134 eP 35 24.20 1.2
 BCP 18.29 292 eP 35 32.00 1.5
 eS 39 10.00
 BAG 18.31 292 iPc+ 35 31.90 1.1
 2.5s *****nm 6.6mb
 iS 39 00.00
 SZP 18.81 295 ePd 35 40.00 3.3X
 PPR 19.20 271 ePd 35 45.00 3.5X
 RAB 19.79 135 iPd 35 47.00 -1.2
 iS 39 36.00
 PMG 21.23 155 eP 36 02.60 -0.5
 KAGJ 22.16 343 P 36 12.50 0.1
 KUMJ 23.45 344 P 36 25.60 0.6
 MTN 23.76 197 eP 36 28.60 0.4
 QZH 23.86 311 iPd 36 32.00 3.0X
 1.8s 1100.00nm 6.1mb
 Z 16s 32.00um 5.9MsZ X
 S 40 48.00
 MKS 24.03 232 iPc 36 34.50 3.7X
 1.4s 19.00nm 4.5mb X
 TKSJ 24.18 352 P 36 31.70 -0.4
 WKYJ 24.23 355 eP 36 30.00 -2.7X
 SHNJ 24.89 346 P 36 38.90 0.0
 SHK 24.94 349 ePc 36 38.60 -0.9
 IIDJ 25.37 359 P 36 41.90 -1.7
 YONJ 25.45 351 P 36 43.30 -1.0
 TSRJ 25.50 356 P 36 43.40 -1.4

CHJJ	25.94	1 P	36 45.50	-3.4X	SNY	34.22	340 iPd	38 02.00	-0.6			PP	40 16.50	
KAKJ	26.15	4 P	36 48.00	-2.8X		1.8s	830.00nm		6.4mb	BDT	38.73	285 eP	38 44.00	3.0X
SSE	26.29	325 iPd	36 52.00	-0.1	Z	18s	38.50um		6.2MsZ		0.8s	155.70nm		5.8mb
	1.5s	190.00nm		5.6mb	N	17s	13.60um			KHT	38.96	281 eP	38 44.50	1.5
Z	18s	40.60um		6.0MsZ	E	15s	17.00um			CHTO	38.96	288 ePd	38 44.60	1.6
N	14s	22.30um					PP	39 20.00			1.3s	245.10nm		5.7mb
E	12s	21.70um					S	43 30.00				eS	44 43.10	
	pP	37 03.00	42kmX		LEM	34.76	242 iPd	38 07.50	-0.2	NANU	39.26	214 iPd	38 44.30	-1.0
	PP	37 36.00				1.7s	1146.15nm		6.5mb		0.8s	354.00nm		6.1mb
	iS	41 24.00			Z	20s	5.32um		5.3MsZ	BTO	39.39	325 iPc	38 47.00	0.6
	SS	41 40.00					iS	43 41.00			1.8s	370.00nm		5.8mb
MAJO	26.43	360 eP	36 49.56	-3.8X			eLR	46 20.00		N	16s	19.80um		
	2.4s	734.49nm		5.9mb	MDJ	35.29	349 eP	38 10.30	-1.4	E	16s	15.50um		
MAT	26.43	360 eP	36 50.00	-3.4X		2.3s	440.00nm		5.9mb			sP	39 03.50	
	1.2s	101.56nm		5.4mb		Z	18s	26.00um	6.0MsZ			PP	40 24.00	
Z	20s	18.79um		5.6MsZ		N	14s	15.40um				S	44 45.00	
	eS	40 53.00			E	14s	3.76um					SS	47 34.50	
MTMJ	26.47	359 P	36 50.50	-3.4X			PP	39 25.00		BKM	40.44	133 iPc	38 57.30	2.2
GZH	27.11	302 iPd	37 02.00	2.2			eS	43 41.00		PVC	40.53	133 iPc	38 57.90	2.0
	Z	20s	19.90um	5.7MsZ	CN2	35.46	344 Pd	38 12.30	-0.8	LZH	40.57	315 iPd	38 56.60	0.4
	iS	41 40.00				1.2s	140.00nm		5.7mb		2.0s	460.00nm		5.8mb
NIJ	27.13	1 P	36 56.80	-3.0X	Z	16s	23.70um		6.0MsZ		Z	20s	16.10um	5.9MsZ
KNA	27.24	200 eP	37 01.10	0.1	N	16s	22.20um				E	12s	8.04um	
	1.0s	833.00nm		6.4mb	E	16s	12.70um					PP	40 34.00	
YAMJ	28.10	3 P	37 07.70	-0.9			esP	38 22.00				S	45 02.00	
NJ2	28.33	324 Pc	37 11.30	0.5			PcP	40 42.30		MEEK	41.10	207 eP	38 59.00	-1.4
	Z	18s	22.00um	5.8MsZ			eS	43 46.00		FORT	41.70	193 iPc	39 05.40	0.1
E	10s	11.00um			BJI	35.76	330 Pd	38 16.00	0.3		1.0s	1368.00nm		6.6mb
	S	41 56.00				1.6s	250.00nm		5.8mb	STK	41.76	176 iPd	39 05.10	-0.7
QIZ	28.86	291 Pd	37 17.30	1.6	Z	16s	14.00um		5.8MsZ		1.1s	292.30nm		5.9mb
HNR	28.98	131 eP	37 08.00	-8.8X	N	14s	8.60um					ePP	40 41.40	
	eS	42 02.00					ePP	39 36.00				eS	45 23.70	
OFUJ	29.12	6 P	37 16.50	-1.3			eS	43 50.00				iScP	49 46.70	
WB5	29.93	187 eP	37 23.80	-1.5	MBL	35.85	210 iPd	38 15.50	-1.2	ARMA	42.20	163 iPd	39 09.30	-0.2
WR2	30.00	187 iPc	37 24.10	-1.8		1.0s	301.00nm		6.1mb		0.7s	253.00nm		6.1mb
	1.2s	147.00nm		5.7mb	XAN	35.96	316 P	38 18.00	0.4			iPcP	41 06.00	
WHN	30.19	316 Pd	37 26.00	-1.5		1.0s	77.00nm		5.5mb	DZM	42.21	139 iPd	39 10.00	0.3
	1.0s	250.00nm		6.0mb		Z	15s	26.80um	6.1MsZ	COOL	43.83	201 iPd	39 21.20	-1.5
Z	16s	37.90um		6.1MsZ		N	12s	16.20um			0.9s	280.00nm		6.1mb
N	18s	29.50um			E	14s	12.10um			MRWA	44.49	208 iPc	39 26.50	-1.6
E	13s	10.60um					PcP	40 42.00			0.8s	309.00nm		6.2mb
	PP	38 28.00					S	43 54.00		ADE	44.72	179 iPd-	39 30.50	0.6
	PcP	40 32.00			TIY	36.06	324 Pd	38 19.20	0.8	GTA	45.01	317 eP	39 32.60	0.3
QIS	30.39	177 eP	37 28.30	-1.0		1.5s	360.00nm		6.0mb		2.4s	470.00nm		6.0mb
AOMJ	30.50	3 eP	37 30.00	0.0	Z	20s	26.70um		6.0MsZ		Z	16s	22.90um	6.2MsZ
CTA	30.92	165 iPd	37 33.60	-0.4	N	13s	11.70um			E	13s	6.86um		45kmX
	1.0s	2414.00nm		7.0mb			PP	39 46.00				pP	39 45.00	
	eS	42 42.00					S	43 58.00				sP	39 51.00	
TIA	32.36	327 P	37 46.10	-0.4	KUR	36.08	12 iPd	38 17.00	-1.3			PP	41 16.00	
Z	18s	40.50um		6.2MsZ		1.2s	480.00nm		6.2mb			eS	46 08.00	
N	16s	27.30um			Z	16s	6.20um		5.5MsZ	BWA	45.22	168 iPd	39 35.60	1.7
E	16s	10.80um			N	16s	11.20um					e	41 16.00	
	pP	37 57.00	40kmX		E	16s	19.60um					i	41 24.20	
	eS	43 00.00					eS	43 54.00		RIV	45.29	165 eP	39 34.20	-0.1
DL2	32.39	335 iPd	37 46.00	-0.7	LOE	36.16	286 eP	38 20.70	1.3		1.0s	*****nm		8.0mb X
Z	18s	19.10um		5.8MsZ	KMI	36.88	299 Pd	38 28.00	2.4			i	39 36.00	
N	15s	17.00um				1.9s	800.00nm		6.2mb			e	46 20.00	
E	13s	25.30um			Z	16s	29.60um		6.2MsZ	BAL	45.35	206 eP	39 33.00	-2.0
	S	43 00.00			N	14s	14.60um				1.1s	5588.00nm		7.4mb X
MRRJ	32.40	4 eP	37 45.80	-0.9	E	14s	11.20um			KLB	45.76	205 iPc	39 36.50	-1.7
HOQJ	32.56	7 eP	37 49.10	1.0			sP	38 46.00			0.8s	98.00nm		5.8mb
TPI	32.98	249 ePc	37 51.00	-1.0	YSS	37.09	5 iPd-	38 25.20	-1.6	PET	45.96	17 iPd-	39 39.50	0.0
	e	44 00.00				1.0s	150.00nm		5.7mb		1.2s	300.00nm		6.2mb
VLA	33.46	352 iPc	37 55.50	-0.4	Z	17s	14.20um		5.8MsZ			ePPP	42 15.00	
2.5s	403.00nm		5.9mb		N	17s	13.20um					iS	46 24.00	
N	11s	5.00um			E	16s	11.30um					e	49 36.00	
E	11s	4.50um					e	38 38.00				e	49 48.00	
	i	38 10.00					e	38 38.00				i	41 31.90	
	i	39 09.00					ePPP	40 04.00				i	41 31.90	
	iPPP	39 22.00					iS	44 10.00				i	41 31.90	
	i	40 36.00					eSSS	46 40.00				i	41 31.90	
	iS	43 09.00					eS	44 16.00				i	41 31.90	
	iSS	45 15.00					eS	44 16.00				i	41 31.90	
	iSSS	45 35.00					eS	44 16.00				i	41 31.90	
	i	48 23.00					eS	44 16.00				i	41 31.90	
KUSJ	33.46	9 eP	37 54.70	-1.2	SNG	37.28	269 eP	38 31.00	2.2		0.9s	278.00nm		6.3mb
ASPA	33.72	187 eP	37 57.00	-1.5		1.2s	203.13nm		5.8mb	CIT	46.44	339 iPd	39 46.50	3.2X
	1.3s	482.10nm		6.3mb	NST	37.52	283 eP	38 32.80	2.0			i	41 33.30	6.0MsZ
Z	22s	30.80um		6.0MsZ	CD2	38.17	308 iPc	38 38.80	2.6X	Z	17s	14.78um		
						1.0s	260.00nm		5.9mb	N	16s	11.65um		
					Z	18s	29.00um		6.1MsZ	E	20s	16.25um		
					E	15s	22.70um					eS	46 35.00	
							iS	44 24.00		SHL	46.51	296 iP	39 44.80	0.4
							e	38 38.00				iS	46 38.00	
							ePPP	40 04.00		MUN	46.75	206 eP	39 44.50	-1.5
							iS	44 10.00			0.7s	188.00nm		6.3mb
							eSSS	46 40.00		NWAO	47.14	204 iPc	39 47.90	-1.2
							eS	44 16.00			0.8s	118.00nm		6.0mb
							eS	44 16.00			Z	20s	6.20um	5.6MsZ
							eS	44 16.00						
							eS	44 16.00		TOO	47.80	172 iPd	39 54.90	0.6
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	0.6s	301.00nm		6.6mb		CCW	61.19	150 P	41	30.70	-1.2				ePPP	47	31.00	
		i	41	24.80		TEHZ	61.24	147 P	41	31.00	-1.3				iS	52	30.00	
		e	50	36.40		MAHZ	61.26	146 P	41	33.40	1.0				ePS	53	07.00	
LSA	48.03	301 P	39	58.70	1.9	BWZ	61.37	155 P	41	31.90	-1.1	MAIO	75.10	305	eP	43	00.00	1.0
	1.0s	85.00nm		5.8mb		MTW	61.40	149 P	41	32.40	-0.9				eS	52	48.00	
Z	23s	9.33um		5.7MsZ		PGZ	61.41	148 P	41	31.20	-2.1	ASH	75.96	307	Pc	43	05.00	1.2
N	12s	1.81um				MGW	61.46	149 P	41	32.20	-1.6				e	43	15.00	
E	13s	4.25um				BLW	61.54	149 P	41	33.10	-1.2				e	45	58.00	
		PP	41	50.00		TIK	61.86	357 iPd-	41	35.00	-1.0				eS	52	45.00	
		S	46	59.00			2.5s	480.00nm			6.2mb				iPS	53	20.00	
VUN	48.51	125 eP	40	01.00	1.0	Z	16s	7.00um	41	40.00		ARU	75.99	326	ePd-	43	03.20	-0.4
SVA	48.56	125 eP	40	01.00	0.7			i	41	42.11.00		Z	17s	14.00um			6.3MsZ	
ZAK	49.50	331 iPd	40	07.80	0.7			i	41	43.46.00		N	16s	3.00um				
	1.6s	437.00nm		6.2mb				iS	49	57.00		E	17s	9.00um				
Z	16s	28.71um		6.4MsZ				iPS	50	11.00					e	43	12.00	
N	15s	9.59um						i	51	24.00					e	43	16.50	
E	14s	9.12um						i	51	24.00					ePPP	47	45.00	
		eS	47	20.00		MQZ	61.94	152 P	41	36.50	-0.4				eS	52	44.00	
IRK	50.33	334 ePd	40	14.00	0.5	HON	62.09	71 P+	41	43.96	5.6X				e	53	08.00	
	1.5s	230.00nm		5.9mb		Z	20s	4.61um			5.6MsZ	AFR	76.19	111 iPd	43	06.80	1.5	
Z	18s	20.82um		6.2MsZ				SS	50	08.73			1.2s	535.50nm			6.5mb	
N	16s	5.46um						SS	54	05.28		PPT	76.38	111 iPd	43	08.00	1.6	
E	18s	11.44um				DHH	62.27	71 eP	41	39.39	-0.2		1.4s	550.70nm			6.5mb	
		e	40	24.20		KSH	62.33	309 P	41	41.90	2.0	PAE	76.40	111 iPd	43	07.90	1.4	
		e	47	28.00			2.0s	600.00nm			6.4mb		1.4s	575.10nm			6.5mb	
		e	50	04.00		Z	18s	13.30um			6.1MsZ	DRV	76.47	179 iP	43	07.10	1.2	
		e	50	46.00		E	13s	8.09um						PP	46	11.00		
SMY	51.52	27 ePd	40	21.99	-0.5			sP	41	54.00				S	52	54.00		
	1.6s	741.36nm		6.4mb				PcP	42	12.00		PPN	76.50	111 iPd	43	08.50	1.4	
Z	19s	9.38um		5.8MsZ				S	50	10.00			1.3s	424.60nm			6.4mb	
		e	47	59.63		POO	62.70	286 iPd	41	42.20	-0.3	TVO	76.73	111 iPd	43	09.60	1.1	
YAK	52.30	355 iPd-	40	26.00	-2.2		1.0s	60.00nm			5.7mb		1.5s	931.80nm			6.7mb	
	1.8s	1360.00nm		6.6mb				iS	50	08.00		TPT	77.55	108 iPd	43	14.50	1.6	
Z	18s	9.50um		5.9MsZ		BOM	63.66	286 eP	41	47.00	-1.8		1.5s	1232.70nm			6.8mb	
N	17s	6.80um						eS	50	25.00		VAH	77.60	108 iPd	43	14.90	1.7	
E	16s	4.80um				HKL	63.72	72 eP	41	50.12	0.5		1.5s	827.30nm			6.6mb	
		i	42	22.00		FRU	63.96	313 iPd-	41	50.80	0.3	RUV	77.82	108 iPd	43	16.10	1.7	
		ePPP	43	32.00			2.2s	550.00nm			6.4mb		1.6s	1522.40nm			6.8mb	
		iS	47	48.00		Z	18s	9.50um			6.0MsZ	CSY	78.76	191 eP	43	18.00	-0.6	
		iPS	48	04.00		N	18s	11.00um					1.1s	94.10nm			5.7mb	
		e	50	14.00		E	16s	8.20um						i	46	16.00		
		eSS	51	22.00				i	42	30.40		SIT	79.76	34 P	43	30.00	5.8X	
WMQ	55.09	317 iPd	40	50.10	0.8			i	44	10.00		Z	18s	2.92um			5.7MsZ	
	1.6s	500.00nm		6.3mb				eS	50	26.00		INK	80.14	22 eP	43	26.00	-0.1	
Z	18s	8.64um		5.9MsZ				e	51	30.00			1.0s	25.00nm			5.1mb	
N	12s	8.18um				MHA	64.07	72 eP	41	52.10	0.7	BAK	82.34	310 iPd	43	40.50	2.3X	
E	13s	6.12um				ILT	64.41	17 iPc	41	50.00	-2.9X			e	53	56.00		
		sP	41	06.00			1.6s	490.00nm			6.4mb	MBC	83.29	14 iPd	43	43.00	0.5	
		PcP	41	48.00				i	42	24.00			1.2s	1284.00nm			7.0mb	
		PP	42	56.00				iS	50	28.00				PcP	43	46.10		
		PcS	45	48.00		SDN	65.67	33 eP	41	59.85	-1.3			pP	43	50.50	24kmX	
		S	48	34.00			1.3s	544.70nm			6.6mb			PPP	48	40.30		
		ScS	50	38.00		NRI	67.37	343 iPd-	42	08.80	-3.0X			S	53	58.10		
		SS	52	10.00			2.0s	505.00nm			6.4mb			ScS	54	03.00		
ADK	55.50	32 iPd	40	50.52	-1.5	Z	20s	26.00um			6.4MsZ			PS	54	53.00		
	1.7s	497.60nm		6.3mb		E	18s	23.00um						SS	59	23.30		
OUZ	56.04	145 P	40	57.10	1.0			e	42	44.00				PcPPP	06	57.90		
HYB	58.25	284 ePd	41	12.00	-0.1			e	44	42.00				P'P'	10	04.90		
	1.6s	653.80nm		6.4mb				iS	51	03.00		PAF	83.64	218 ePd	43	51.00	6.4X	
		eS	49	16.00				ePS	51	31.00				ePP	47	06.00		
KUZ	58.33	145 P	41	12.80	0.5			eSS	55	29.00				eS	54	09.00		
	1.2s	591.00nm		6.5mb		RAR	68.32	118 eP	42	18.79	0.2			eSS	59	35.00		
MOZ	59.09	147 P	41	17.90	0.3		1.4s	176.33nm			6.1mb	MAK	83.84	312 iP-	43	47.00	1.2	
QRZ	59.66	150 P	41	22.50	1.1	SVW	69.87	28 eP	42	26.74	-0.8			e	47	05.00		
	1.2s	650.00nm		6.6mb			1.2s	244.02nm			6.2mb			eS	54	08.00		
WIZ	59.72	145 P	41	23.60	1.7	TTA	70.22	26 eP	42	29.43	-0.2			ePS	55	16.00		
PATZ	59.79	146 P	41	24.00	1.5		1.4s	107.47nm			5.8mb			eSS	59	40.00		
TAZ	59.83	146 P	41	23.20	0.6	KDC	70.59	32 iPd	42	31.06	-0.7	GRO	85.06	313 iPd-	43	54.00	2.0	
NDI	59.88	297 iP	41	22.80	-0.4		1.6s	296.09nm			6.2mb		2.0s	1200.00nm			6.8mb	
URZ	60.18	145 P	41	23.70	-1.3	CRP	71.53	29 ePd	42	36.23	-1.5			iPPP	49	05.00		
DIW	60.33	149 P	41	25.30	-0.8	IMA	72.10	23 iPd	42	40.45	-0.6			iS	54	20.00		
THZ	60.56	151 P	41	26.10	-1.6		1.3s	116.19nm			5.8mb			iS	55	04.00		
PAHZ	60.57	146 P	41	27.00	-0.8	SLKM	72.30	30 (P)	42	40.32	-1.8	KER	85.35	304 iPd	43	53.80	-0.1	
TAHZ	60.60	146 P	41	28.80	0.7	PMR	73.02	29 eP	42	44.05	-2.3	TAB	85.40	308 iP-	43	56.00	2.0	
MSZ	60.69	156 P	41	28.80	0.4		0.9s	113.30nm			6.0mb	MTA	85.97	311 iPd	43	56.80	0.3	
PUZ	60.70	144 P	41	26.80	-1.9	Z	20s	11.43um			6.1MsZ		1.0s	1000.00nm			6.9mb	
WAHZ	60.79	147 P	41	27.70	-1.5	COL	74.22	25 ePd	42	51.20	-2.1			e	47	20.00		
TCW	60.82	149 P	41	28.20	-1.1		2.5s	645.80nm			6.2mb			ePPP	49	07.00		
KIW	60.88	149 P	41	29.40	-0.4	FBA	74.22	25 eP	42	51.66	-1.6			iS	54	22.80		
TTH	60.93	146 P	41	30.10	0.0		1.4s	102.37nm			5.7mb			ePS	55	55.60		
NOZ	60.95	145 P	41	29.70	-0.6	TOA	74.49	28 ePd	42	54.90	-0.1	ERE	86.45	310 iP	43	59.00	-0.1	
MNG	60.99	148 P	41	28.00	-2.6X	KLU	74.53	29 ePd	42	53.91	-1.3			i	54	36.00		
LTZ	61.04	152 P	41	30.60	-0.3	SVE	74.90	326 iPd	42	58.00	0.7	KBS	86.77	351 eP	44	03.80	4.0X	
	1.4s	547.00nm		6.5mb			2.0s	1000.00nm			6.5mb	PYA	86.82	314 iPd-	44	00.00	-0.7	
SNZO	61.10	149 eP	41	29.80	-1.4	Z	18s	20.00um			6.5MsZ		Z	18s	6.00um			6.0MsZ
	1.5s	1130.17nm		6.8mb		N	18s	4.00um					N	18s	2.50um			
CAW	61.14	149 P	41	29.50	-2.0	E	18s	15.00um					E	18s	5.00um			

			e	44	12.00				eLQ	08	19.09		HFS	97.48	335	eP	44	48.20	-1.6			
			i	47	18.00				eLR	12	48.09			0.4s		1.10nm			4.8mb X			
			iS	54	39.00			ORV	91.52	50	eP	44	21.66	-1.3	Z	17s	6.58um		6.2MsZ			
			iPS	55	40.00				2.0s	450.00nm						LR	27	32.00				
MOS	87.72	326	iPd	44	04.00	-0.8		Z	20s	2.80um			DUG	97.72	47	eP	44	51.44	-0.1			
	2.0s	800.00nm				6.7mb				eSKS	54	54.67		1.3s		34.98nm		5.8mb				
Z	19s	14.00um				6.4MsZ				eLQ	08	26.67		Z	21s	5.52um		6.0MsZ				
N	16s	4.80um								eLR	12	18.67				ePP	48	45.41				
E	16s	5.10um						STAN	91.52	52	eP	44	23.60	0.6		NB2	97.93	337	P	44	50.00	-1.9
			e	47	30.00				2.2s	1060.00nm					1.4s		21.70nm		5.6mb			
			e	54	27.00			DPW	91.61	41	ePd	44	23.24	-0.1		MLR	98.05	319	eP	44	52.00	-0.9
			iS	54	44.00			HMR	91.63	51	(P)	44	24.66	1.2		ARUT	98.06	49	(P)	44	53.68	0.5
KEV	87.84	341	eP	44	03.42	-1.7		COE	91.94	52	eP	44	25.87	0.9			ePP	48	45.97			
	2.4s	462.21nm				6.4mb		MHC	91.95	52	eP	44	25.24	0.1		BUC	98.37	318	ePd	44	54.00	-0.1
STW	87.99	42	P	44	07.73	1.5			2.4s	960.00nm					ELL	98.39	310	eP	44	54.00	-0.6	
ONR	88.20	43	P	44	08.94	1.6		ARN	92.03	52	eP	44	25.16	-0.3		GLA	98.49	54	eP	44	55.79	0.8
MCW	88.42	41	eP	44	08.18	-0.2		LNOR	92.13	43	P	44	26.34	0.6		DAU	98.76	46	eP	44	56.09	-0.3
OBN	88.45	326	ePd-	44	07.00	-1.3		NEW	92.19	40	iPd	44	25.83	-0.1			ePP	48	53.94			
	1.6s	344.00nm				6.4mb			1.1s	58.64nm					MSU	98.76	48	eP	44	55.53	-0.8	
			i	44	24.40			SAO	92.24	52	P-	44	27.86	1.5			ePP	48	53.45			
			i	47	33.00			Z	19s	4.10um					UZH	99.01	323	ePd-	44	56.20	-0.7	
			iPPP	49	38.00			DAG	92.35	355	iPc	44	26.00	-0.1			2.0s	250.00nm		6.5mb		
			i	54	35.00				1.2s	100.00nm						e	45	08.00				
			iS	54	50.00			PRS	92.40	53	iP	44	28.02	0.9			eS	56	12.00			
			ePS	55	54.00			NUR	92.58	333	eP	44	26.00	-1.4			iPPS	58	28.00			
			iSS	00	48.00				1.1s	70.10nm					BW06	99.07	44	eP	44	56.63	-1.1	
BMW	88.66	43	ePd	44	09.88	0.3		Z	17s	10.00um						2.7s	129.46nm		6.1mb			
KMOR	88.67	44	P	44	10.85	1.2				i	44	31.00			EMUT	99.29	47	eP	44	59.12	0.3	
GMW	88.71	42	ePd	44	10.24	0.5				i	44	35.70			HLW	99.38	303	e(P)	45	02.00	3.0	
RNO	88.87	46	P	44	12.43	1.7				eS	54	58.00				e	49	09.00				
YKA	88.98	26	eP	44	11.10	0.4				e	56	42.00				e	51	02.00				
	1.3s	51.90nm				5.6mb				LR	31	40.00			KONO	99.42	336	eP	44	43.70	-14.9X	
SDF	88.99	339	iP	44	09.90	-0.8		GAZ	92.67	308	eP	44	28.70	0.4		CIN	99.47	311	eP	44	48.00	-11.3X
JCW	89.12	41	P	44	12.79	1.1		CMB	92.74	51	eP	44	26.64	-2.1		OJC	99.73	325	eP	45	00.20	-0.1
SBA	89.15	174	iPd	44	13.20	2.0			1.5s	190.00nm						1.4s	87.00nm		6.1mb			
SOC	89.28	314	iPd-	44	11.00	-1.5		Z	19s	5.00um						e	45	04.20				
	2.0s	200.00nm				6.0mb				eSKS	54	57.64			ALN	99.75	315	eP	45	00.80	0.3	
			e	54	43.00					eLQ	08	46.64			SPA	99.93	180	iPd	45	01.10	0.2	
KMPM	89.36	49	eP	44	14.16	1.1				eLR	12	43.64				1.2s	154.93nm		6.4mb			
RMW	89.37	42	ePd	44	13.32	0.3		SIM	92.81	316	iP	44	28.00	-0.8			i	45	57.60			
FHC	89.38	49	iP	44	15.04	1.9		PRI	93.00	53	iP	44	31.51	1.5		EZN	99.96	313	eP	45	00.20	-1.3
SHW	89.39	43	ePd	44	14.05	0.9		FRI	93.53	52	iP	44	32.67	0.4		SPC	99.96	324	ePDIF	45	01.20	-0.4
DBO	89.40	46	P	44	14.32	1.1		MAW	93.66	202	eP	44	32.10	0.0		GDH	100.52	4	ePDiff	45	05.00	1.8
FOX	89.43	49	iP	44	15.33	2.0			1.4s	98.90nm						e	49	14.00				
RES	89.47	12	eP	44	12.00	-0.9		Z	17s	2.70um						e	56	38.00				
	0.9s	24.00nm				5.4mb				iPP	48	19.50			COP	100.61	332	ePDiff	45	04.00	0.1	
LON	89.54	43	ePd-	44	13.26	-0.5				iS	55	42.70			Z	18s	12.03um		6.4MsZ			
SSOR	89.55	45	P	44	14.80	0.9		BCH	93.70	53	ePd	44	34.20	0.9			i	49	03.00			
ASR	89.83	43	P	44	16.19	0.9		MNK	93.82	326	eP	44	30.00	-3.2X		PSZ	100.77	323	e(Pdiff	44	50.00	-15.0X
YBH	90.10	48	eP	44	16.66	0.1				e	48	12.00			PV09	100.99	48	ePDiff	45	06.27	-0.3	
	1.6s	270.00nm				6.2mb				ePPP	50	16.00			PV10	101.11	48	ePDiff	45	06.49	-0.5	
Z	20s	5.00um				5.9MsZ				e	55	08.00			KSP	101.36	327	ePDiff	45	06.90	-0.5	
			e	54	48.52					eS	55	38.00				e	48	00.70				
			e	00	35.52					ePS	56	48.00			SRS	101.37	316	ePDiff	45	07.00	-0.8	
			e	07	43.52					eSS	02	04.00			SRO	101.75	323	ePDiff	45	08.00	-1.2	
			eLR	12	07.52			MEMM	93.94	51	eP	44	35.18	1.1			ePP	49	28.10			
VBEM	90.11	44	P	44	17.38	0.8		KAS	94.10	313	iPc	44	35.60	0.7			e	01	37.70			
LGPM	90.21	48	eP	44	17.15	0.1		BONR	94.35	50	ePd	44	36.81	0.4		KNT	101.83	316	ePDiff	45	07.48	-2.3
PUL	90.26	331	ePd	44	16.00	-0.7		ABL	94.47	54	eP	44	37.42	0.4		TUC	101.95	54	ePDiff	45	12.75	2.1
	Z	18s	13.00um			6.4MsZ		CRZF	94.66	224	eP	44	35.00	-2.2			1.9s	47.37nm		5.8mb		
EBG	90.33	42	P	44	18.45	1.0				ePP	48	25.00			Z	18s	2.79um		5.8MsZ			
WDC	90.50	49	ePd-	44	18.37	0.1				eS	55	20.00			VRAC	101.99	325	iPDiff	45	10.30	0.1	
	2.8s	882.69nm				6.5mb				eSS	02	10.00				4.3s	840.90nm		6.7mb X			
Z	21s	6.80um				6.1MsZ		ISA	94.85	53	ePd-	44	37.81	-0.7			e	45	14.80			
WTV	90.53	41	P	44	18.68	0.3			2.5s	172.50nm					BRNL	102.03	329	iPDiff	45	10.50	0.2	
CROR	90.54	44	P	44	19.31	0.8		Z	21s	5.96um						e	49	07.00				
VGB	90.55	44	eP	44	18.58	0.1		TNP	95.13	50	eP	44	40.07	0.1			ed	49	25.60			
ANN	90.65	316	iPd-	44	18.00	-0.8			0.9s	19.75nm					RSSD	102.16	41	ePDiff	45	10.80	-0.7	
	2.0s	100.00nm				5.8mb		KIS	95.60	320	iP-	44	40.00	-1.6			2.1s	52.67nm		5.8mb		
			e	54	49.00					i	48	36.00			ZST	102.27	324	e(Pdiff	45	10.80	-0.7	
			eS	55	18.00					e	55	08.00				e	48	15.70				
LBFM	90.79	48	ePd	44	20.07	0.2				e	55	54.00				ePP	49	22.70				
SAW	90.88	41	P	44	20.42	0.5		UPP	95.98	334	eP	44	43.00	0.0			e	01	36.20			
VIPM	90.91	45	P	44	21.12	0.8				iS	55	26.00			SKO	102.48	317	iPDiff	45	12.50	-0.2	
NTYM	90.92	51	eP	44	20.79	0.6		LRM	96.01	42	eP	44	43.40	-0.5		Z	17s	4.76um		6.1MsZ X		
WAH2	91.03	42	P	44	21.43	0.9		TPNV	96.20	51	eP	44	44.26	-0.5			i	48	12.80			
KAF	91.18	334	eP	44	19.20	-1.8			1.9s	274.67nm						i	49	30.00				
	1.3s	107.90nm				6.0mb		Z	20s	4.92um						LR	39	25.00				
JBO	91.20	44	P	44	22.31	0.9		PEC	96.38	54	eP	44	45.25	-0.2		LIT	102.56	315	ePDiff	45	11.60	-1.5
MIN	91.25	49	eP	44	21.30	-0.6			1.2s	60.65nm					BRG	102.59	328	ePDiff	45	12.20	-0.7	
	3.4s	1040.00nm				6.6mb X		HHAI	96.95	44	ePd	44	48.76	0.8			2.2s	56.00nm		5.9mb		
ZSP	91.33	51	iP	44	23.68	1.6		PTI	97.11	44	(P)	44	49.75	1.0		Z	17s	15.00um		6.6MsZ X		
PCC	91.34	52	iP	44	23.06	0.9		HVU	97.20	45	eP	44	49.84	0.6		N	17s	6.60um				
BKS	91.36	51	eP	44	22.09	-0.2				ePP	48	42.06			E	17s	9.20um					

26d 03h

VKA	102.68	324	iPdiff45	13.10	-0.3	WMOK	110.12	47	Pdiff	45	46.45	-0.4	PP	51	44.07						
	5.5s	903.00nm		6.7mb	X		Z	20s	3.64um		5.9Msz		CVL	121.23	34	ePKP	50	08.83	-1.0		
	Z	18s		6.00um	6.2Msz				PP	50	21.84					ePP	51	36.39			
			i	48	19.90				SP	59	47.21		PAL	121.24	28	ePKP+	50	10.10	0.4		
			iPP	49	27.80				SS	05	44.34					e	50	14.00			
PRU	102.76	327	Pdiff	45	13.00	-0.7	LBF	110.17	328	ePKP	49	51.80	3.3X				iPP	51	42.33		
	1.7s	29.70nm		5.7mb					1.8s	38.85nm							eSKKP	53	44.76		
			i	45	17.70		SSF	110.36	329	ePKP	49	52.40	3.6X				iSKS	57	09.31		
			ePP	49	21.60				1.7s	30.90nm							isS'df57	32.68			
CLL	102.84	328	iPdiff45	13.90	-0.1	TCF	111.54	329	ePKP	49	58.40	7.3X					iSKKS258	35.51			
	2.5s	120.00nm		6.2mb					1.5s	30.80nm							eSP	01	25.21		
	Z	17s		17.50um	6.7MszX		TUL	111.66	45	iPKP	49	52.70	1.1	EHOR	121.43	326	ePKP	50	10.00	-0.2	
			PKKP	01	13.10		BUL	111.69	252	iPKP	49	52.80	0.5	CBN	121.65	33	ePKP	50	11.00	0.4	
AGG	103.12	314	ePdiff45	13.70	-1.9	LSZ	111.77	258	iPKP	49	52.00	-0.5				e	51	43.00			
GOL	103.19	45	ePdiff45	16.82	0.6	SLR	112.18	246	iPKPc	49	53.40	0.3	TAF	121.91	322	iPKP	50	14.00	2.7X		
	1.4s	10.04nm		5.4mb					0.8s	33.00nm			EPRU	122.04	326	ePKP	50	12.50	1.0		
	Z	19s		4.93um	6.0Msz		Z	18s	9.49um		6.4Msz		JSC	122.20	38	ePKP	50	11.61	-0.2		
GLD	103.28	45	ePdiff45	17.14	0.6	KSR	113.43	246	ePKP	49	52.00	-3.5X				ePP	51	42.01			
	1.7s	47.02nm		6.0mb					1.0s	50.00nm			LHS	122.34	38	ePKP	50	10.98	-1.0		
	Z	21s		4.63um	6.0Msz		UYO	113.50	46	iPKPc	49	53.70	-1.5				ePP	51	43.29		
ULM	103.80	32	ePdiff45	02.50	-15.8X	CCM	113.55	41	ePKP	50	03.51	8.3X	CEH	122.38	36	ePKP	50	11.00	-1.1		
GEC2	103.84	326	Pdiff	45	17.80	-0.9	SLM	113.85	40	PKP	50	10.00	14.2X				Z	19s	4.13um	6.1Msz	
	0.9s	2.43nm		5.0mb	X		Z	18s	2.42um		5.8Msz		EVAL	122.41	327	ePKP	50	13.30	1.2		
			e	45	22.70		MIAR	113.92	45	ePKP	49	55.43	-0.6	WIN	122.44	250	iPKPc	50	14.00	1.2	
			e	45	35.00				ePP	50	46.38					1.5s	90.00nm				
			e	48	28.10		BLF	114.01	243	ePKP	49	45.50	-11.1X	EJIF	122.55	326	ePKP	50	13.00	0.6	
			e	48	30.80		FVM	114.11	41	ePKP	49	55.45	-0.9	SGS	123.39	39	ePKP	50	15.09	1.0	
			e	48	37.50		Z	19s	12.26um		6.5Msz		IFR	124.43	323	iPKP	50	16.00	-0.4		
			e	48	45.50		SNA	114.83	194	e(PKP)	49	56.50	-0.2	AVE	125.93	324	iPKP	50	19.50	0.4	
GEC2	103.84	326	Pdiff	45	33.00	14.3X			1.1s	40.00nm			TIO	127.54	322	iPKPc	50	23.50	1.1		
	1.0s	2.64nm				ELC	115.29	41	ePKP	49	56.50	-2.1	KIC	139.69	292	ePKP	50	37.00	-8.6X		
			e	45	39.60		OXF	116.80	43	ePKP	50	01.04	-0.5	TIC	139.83	293	PKP	50	38.20	-7.7X	
MOX	103.94	328	ePdiff45	18.60	-0.4	ECHE	117.82	325	ePKP	50	06.00	2.6X	LIC	140.00	292	PKP	50	38.00	-8.2X		
	2.5s	98.00nm		6.2mb		YSNY	117.89	30	Pdiff	46	19.97	-1.3				Z	20s	25.00um	7.0Msz		
	Z	18s		16.00um	6.6Msz		Z	19s	4.93um		6.1Msz		PORP	142.86	41	PKP	50	46.70	-4.4X		
			eSKS	56	08.00				PP	50	59.33		CLLP	142.88	41	PKP	50	46.70	-4.4X		
			eS	57	12.00		SUR	118.40	239	e(PKP)	50	03.50	-1.4	PSO	142.91	75	ePKP	50	48.50	-3.4X	
			ePKKP	01	10.30				1.0s	128.00nm			SJG	143.13	41	ePKP	50	45.60	-6.0X		
KMR	104.03	325	iPdiff45	20.30	0.9	CBM	118.64	20	Pdiff	46	24.44	0.0	CPD	143.34	41	PKP	50	48.50	-3.4X		
ALQ	104.34	50	ePdiff45	21.61	0.2		Z	20s	3.68um		6.0Msz		IHA	144.21	134	ePKP	50	51.50	-1.5		
	2.0s	56.02nm		6.1mb					PP	51	19.96		BOG	144.71	67	iPKP	50	54.00	-0.8		
	Z	21s		2.92um	5.8Msz				PKKP	00	53.15		PEL	144.81	135	iPKPd	50	52.80	-1.3		
			ePP	49	34.60		GUD	118.80	328	ePKP	50	06.00	0.7				1.0s	180.00nm			
GRF	104.70	328	ePdiff45	22.40	0.0	EALH	119.26	324	ePKP	50	06.00	-0.1	MBO	145.46	314	iPKPd	50	56.70	1.2		
	6.3s	3200.00nm		7.4mb	X	BINY	119.33	29	ePKP	50	04.70	-1.4	NNA	145.54	97	iPKPd	50	56.00	0.2		
			ePP	49	43.00				Z	21s	4.18um	6.0Msz				1.3s	423.08nm				
			eSKS	56	30.00					ePP	51	30.24		SDV	145.69	58	ePKP	50	55.20	-1.1	
			ePS	58	44.00		EVIA	119.33	325	ePKP	50	07.30	0.9	TOV	145.89	56	iPKPc	50	57.20	0.7	
			e	59	45.00		POF	119.43	242	iPKPc	50	08.00	1.4	MDZ	146.22	136	iPKP	50	57.40	0.9	
			e	00	15.20				0.4s	9.00nm			MORO	146.44	53	iPKP	50	58.40	1.0		
LJU	104.88	323	(Pdiff45	24.00	0.7	LBNH	119.49	25	Pdiff	46	22.27	-6.1X	BPA	146.59	37	ePKP	50	57.00	-0.4		
			e	49	10.00		Z	19s	3.41um		6.0Msz		RTL	147.39	135	ePKP	51	02.00	3.6X		
			(PP)	49	40.00				PP	51	21.37		PAG	147.49	38	ePKP	50	58.50	-0.4		
			i	49	47.00				SP	01	09.43		DEG	147.64	36	ePKP	50	58.00	-1.1		
			eSKS	55	59.00		CER	119.55	237	iPKPd	50	06.50	-0.3	CAR	147.74	52	iPKP	51	02.00	2.5X	
			e	56	48.00				SS	07	42.16		OLLA	148.14	52	iPKPc	51	00.80	0.7		
			e(S)	57	20.00								MRA	148.60	139	ePKPc	51	00.90	0.7		
			i	59	58.00								ANT	149.47	120	ePKP	51	02.30	0.5		
BHG	104.92	325	iPdiff45	24.10	0.7	SSPA	119.59	31	PKP	50	20.00	13.4X	PALR	149.68	47	iPKPc	51	06.60	4.1X		
WTS	105.50	331	e(PKP)	49	54.00	14.6X	Z	21s	0.11um		4.5MszX		TCA	150.02	138	iPKPc	51	03.20	0.7		
	2.0s	200.00nm				PAB	119.70	327	ePKP	50	06.85	-0.1	ARE	150.39	106	ePKP	51	06.00	2.2X		
TRI	105.51	323	ePdiff45	24.00	-2.0				ePP	51	30.78		CYA	150.93	132	ePKPc	51	03.50	-0.4		
			e	49	52.00		MYNC	119.90	40	ePKP	50	05.97	-1.5	TCE	151.41	45	ePKP	51	04.22	-0.7	
			e	58	24.00		Z	20s	5.10um		6.2Msz		TRN	151.69	44	ePKP	50	58.15	-7.2X		
FUR	105.56	326	ePdiff45	26.30	0.0				ePP	51	26.73		TPR	151.72	42	ePKP	51	06.64	1.2		
	Z	16s		11.00um	6.5MszX				SP	01	10.99		TBH	152.03	44	ePKP	51	06.87	1.0		
			i	49	55.40		EHUE	119.96	325	ePKP	50	08.00	0.4	LPB	153.59	107	PKPd	51	10.00	1.5	
BNS	105.99	330	iPdiff45	24.00	-4.0X	BLE	120.01	237	iPKPd	50	17.00	9.4X				1.3s	146.15nm				
	Z	18s		17.00um	6.6Msz				0.7s	16.00nm			LPZ	153.60	106	PKP	51	09.50	0.7		
			i-	49	56.00											i	51	17.80			
OGA	106.45	325	iPdiff45	30.90	0.4	EPLA	120.22	329	ePKP	50	08.50	0.6				PP	55	12.10			
ENN	106.72	331	ePKP	50	00.50	18.7X	EBAN	120.38	326	ePKP	50	09.00	0.7				SKKS	01	44.10		
	2.0s	116.70nm				NAV	120.40	36	ePKP	50	06.79	-1.6				e	05	36.00			
EDI	106.91	338	ePKP	50	01.00	19.0X	TBR	120.98	28	ePKP	50	08.87	-0.4				e	10	00.40		
	Z	20s		4.00um	6.0Msz	LSCT	121.01	27	Pdiff	46	33.88	-1.3				SS	15	05.20			
	N	20s		3.00um			Z	21s	5.57um		6.2Msz		CNCB	153.64	108	PKP	51	10.00	1.2		
	E	20s		3.00um					PP	51	37.82		HJA	153.88	123	ePKPc	51	11.10	2.9X		
WLF	107.32	330	Pdiff	45	39.00	5.0X			SP	01	29.29		CCH	155.24	110	PKP	51	12.20	1.6		
UCC	107.45	331	Pdiff	45	35.00	0.5	HRV	121.07	25	Pdiff-46	35.86	0.5	SIV	160.29	110	PKP	51	16.80	0.5		
			e	46	17.00		Z	21s	2.34um		5.8Msz		RSTA	163.87	156	ePKP	51	21.80	2.1X		
BSF	108.16	328	ePKP	49	44.60	-0.2															

26d 03h

i 51 31.90
 i 52 49.80
 i 56 39.90
 BDF 171.79 134 PKPc 51 26.10 0.7
 1.9s 3.45nm
 i 52 43.30
 i 56 39.00
 SOB1 178.83 312 ePKP 51 28.00 0.9
 S.D. = 1.1 on 382 of 457 obs.

? SEP 26, 1993 04h 08m 59.79± 6.51s
 44.921 S ±25.4km 166.363 E ±49.9km
 DEPTH = 5.0km (geophysicist)
 OFF W. COAST OF S. ISLAND, N.Z. (161)
 ML 4.0 (WEL).

MSZ 1.14 78 P 09 21.30 -0.3
 S 09 34.20
 TLC 1.94 99 P 09 33.60 -0.3
 MMCZ 1.97 93 P 09 34.80 0.6
 MHZ 2.07 95 P 09 36.40 0.6
 CMCZ 2.08 97 P 09 35.60 -0.2
 SBCZ 2.10 96 P 09 36.80 0.7
 LRCZ 2.12 95 P 09 37.00 0.5
 LSCZ 2.14 96 P 09 37.10 0.4
 SZ 2.31 148 eP 09 39.20 0.1
 TUZ 2.52 115 eP 09 41.20 -0.9
 BWZ 2.54 82 P 09 43.10 0.8
 ODZ 3.04 94 P 09 48.40 -1.0
 MQZ 4.67 77 eP 10 11.70 -0.9
 S 10 59.80
 S.D. = 0.7 on 13 of 13 obs.

* SEP 26, 1993 05h 29m 30.49± 0.78s
 5.182 S ±13.0km 141.554 E ±12.1km
 DEPTH = 10.0km (geophysicist)
 4.6mb (2 obs.)
 NEW GUINEA, PAPUA NEW GUINEA (202)

MNDI 2.31 115 eP 30 10.00 0.7
 WWKK 2.58 53 eP 30 12.00 -1.0
 PMG 6.97 127 eP 31 28.80 13.7X
 QIS 15.40 187 eP 33 15.00 5.4X
 eS 35 51.00
 WR2 16.26 205 iPd 33 19.50 -1.2
 0.6s 9.70nm 4.1mb
 eS 36 32.70
 ASPA 19.80 201 iPc 34 04.30 0.1
 0.7s 69.80nm 5.1mb
 eS 37 37.10
 KIC 146.45 274 PKP 49 13.50 0.3
 TIC 146.72 274 PKP 49 14.20 0.5
 LIC 146.73 273 PKP 49 14.30 0.7
 S.D. = 1.0 on 7 of 9 obs.

& SEP 26, 1993 05h 40m 15.06s
 34.957 N 116.775 W
 DEPTH = 0.0km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 2.7 (PAS).

GSC 0.34 356 eP 40 22.01 0.1
 SSK 1.06 226 eP 40 34.94 -1.2
 eS 40 49.59
 PEC 1.11 197 iPd 40 35.72 -1.1
 eS 40 50.48
 ISA 1.56 297 ePn 40 42.05 -2.1
 iPg 40 44.93
 eS 41 04.40
 PLM 1.60 183 ePn 40 43.77 -1.1
 ABL 2.01 268 ePn 40 50.10 -0.8
 eS 41 18.55
 TPNV 2.03 12 (Pn) 40 50.18 -0.9
 iPg 40 53.03
 eS 41 19.86
 GLA 2.50 139 ePg 41 01.13 3.5
 eS 41 33.38
 BCH 2.72 276 ePn 40 58.91 -2.1
 TNP 3.14 354 (Pn) 41 09.16 2.2
 ePg 41 14.63
 BONR 3.24 338 ePn 41 09.00 0.6
 ePg 41 16.30
 ARUT 3.90 43 (Pn) 41 17.22 -0.6
 ePg 41 30.12
 MSU 5.12 45 ePg 41 50.30 15.1
 13 obs. associated

? SEP 26, 1993 05h 41m 57.80± 2.95s
 5.559 S ±20.8km 151.975 E ±39.6km
 DEPTH = 61.4 ± 22.5 km
 4.5mb (2 obs.)
 NEW BRITAIN REGION, P.N.G. (192)

RAB 1.37 8 iPd 42 21.00 -0.1
 0.3s 5402.60nm
 iS 42 40.00
 KVG 3.17 338 eP 42 46.50 0.2
 PMG 6.12 231 eP 43 27.50 -0.2
 WR2 22.31 229 iPc 46 50.80 -0.7
 0.4s 9.70nm 4.6mb
 ASPA 25.04 222 iPd 47 19.00 1.1
 0.6s 9.60nm 4.5mb
 GEC2 124.26 328 PKP 00 51.20 -0.2
 0.5s 0.70nm
 MRA 127.95 139 ePdiff57 36.00 -6.5X
 S.D. = 1.0 on 6 of 7 obs.

& SEP 26, 1993 05h 47m 37.73s
 59.188 N 153.039 W
 DEPTH = 82.4km
 SOUTHERN ALASKA (2)
 <AEIC>.

AUE 0.24 315 iP 47 49.47 -0.7
 AUI 0.25 307 eP 47 49.87 -0.3
 eS 47 58.39
 AUP 0.26 312 iP 47 49.78 -0.6
 eS 47 59.19
 AGU 0.27 311 eP 47 49.85 -0.6
 AUH 0.27 311 eP 47 49.89 -0.5
 AUL 0.28 314 iP 47 49.84 -0.5
 AUW 0.29 310 eP 47 49.81 -0.6
 CDD 0.41 231 iP 47 50.38 -0.8
 eS 47 59.89
 OPT 0.48 348 iP 47 51.19 -0.5
 eS 48 01.28
 SYI 0.67 150 eP 47 52.52 -0.9
 PDB 0.84 316 iP 47 54.73 -0.6
 eS 48 07.52
 HOM 0.86 56 eP 47 55.44 0.0
 eS 48 07.97
 INE 0.88 359 eP 47 55.05 -0.9
 INW 0.88 357 eP 47 55.25 -0.7
 eS 48 07.97
 ILIM 0.90 3 eP 47 55.18 -0.8
 CNPM 0.98 69 eP 47 57.22 0.2
 eS 48 11.46
 RED 1.24 6 eP 47 59.65 -0.6
 RDW 1.30 5 eP 48 00.82 -0.4
 REF 1.32 7 eP 48 00.83 -0.5
 eS 48 18.29
 NCT 1.38 2 eP 48 01.82 -0.2
 DFR 1.42 7 eP 48 02.26 -0.3
 eS 48 20.75
 21 obs. associated

& SEP 26, 1993 06h 15m 32.44± 1.11s
 16.713 N ±10.4km 61.472 W ±12.4km
 DEPTH = 10.0km (geophysicist)
 LEEWARD ISLANDS (92)
 ML 2.6 (FDF).

BPA 0.50 312 ePd 15 42.55 0.0
 S 15 49.07
 SFG 0.53 150 eP 15 43.41 0.3
 DEG 0.56 135 iPc 15 43.61 -0.2
 S 15 51.54
 PAG 0.71 196 ePd 15 46.32 -0.1
 S 15 56.09
 MGG 0.80 169 ePc 15 48.05 0.0
 S.D. = 0.3 on 5 of 5 obs.

& SEP 26, 1993 06h 36m 16.28s
 59.006 N 154.646 W
 DEPTH = 129.9km
 SOUTHERN ALASKA (2)
 <AEIC>.

BGM 0.49 323 eP 36 34.84 -0.7
 CDD 0.53 98 eP 36 34.26 -1.5
 eS 36 48.60
 AUW 0.71 58 iP 36 36.06 -0.9
 eS 36 52.50
 AUI 0.71 62 eP 36 36.17 -0.8

eS 36 50.80
 AUH 0.72 59 eP 36 36.13 -1.0
 AGU 0.72 60 eP 36 36.32 -0.9
 AUP 0.73 60 eP 36 33.82 -3.4
 AUL 0.73 58 eP 36 36.16 -1.0
 AUE 0.75 61 eP 36 36.31 -0.9
 PDB 0.82 16 iP 36 36.86 -1.0
 eS 36 53.01
 OPT 0.97 48 iP 36 38.41 -0.8
 eS 36 55.59
 INW 1.31 35 iP 36 41.63 -1.2
 INE 1.33 37 iP 36 41.84 -1.2
 ILIM 1.38 38 iP 36 42.51 -0.9
 eS 37 03.17
 HOM 1.67 66 eP 36 45.81 -0.9
 KDC 1.70 137 eP 36 43.87 -3.1
 eS 37 06.23
 RED 1.71 33 iP 36 46.05 -1.2
 RS2 1.75 32 iP 36 46.76 -1.1
 eS 37 11.03
 RSO 1.75 32 iP 36 46.76 -1.1
 RDW 1.75 31 iP 36 46.69 -1.1
 eS 37 11.35
 REF 1.78 33 iP 36 47.03 -1.2
 eS 37 11.21
 NCT 1.79 28 iP 36 47.08 -1.1
 CNPM 1.83 72 eP 36 46.71 -1.9
 eS 37 10.02
 DFR 1.87 31 iP 36 48.00 -1.2
 RDT 1.94 35 iP 36 48.61 -1.4
 BRK 2.07 67 eP 36 49.75 -1.8
 eS 37 14.75
 SVW 2.17 347 eP 36 51.95 -0.8
 eS 37 18.54
 BKG 2.39 29 iP 36 54.43 -1.3
 NKA 2.45 43 eP 36 56.75 0.5
 CKL 2.48 27 iP 36 55.81 -1.1
 CKT 2.52 28 eP 36 55.46 -1.9
 BGL 2.53 26 iP 36 56.61 -0.9
 SPU 2.54 30 iP 36 56.05 -1.5
 CP2 2.57 27 ePd 36 56.75 -1.3
 CRP 2.59 28 ePc 36 56.50 -1.8
 CGLM 2.66 29 iP 36 57.79 -1.4
 SLKM 2.70 54 eP 36 57.18 -2.4
 NCG 2.71 26 iP 36 58.75 -1.0
 SEW 2.87 65 eP 36 59.66 -2.0
 MPA 3.06 59 eP 37 02.19 -2.1
 SUA 3.14 37 eP 37 03.64 -1.9
 SKT 3.36 26 eP 37 06.70 -1.6
 PTE 3.39 54 eP 37 05.79 -2.8
 PWA 3.56 40 P 37 08.30 -2.6
 PWL 3.68 57 iP 37 09.34 -3.2
 PLRM 3.78 44 eP 37 10.47 -3.3
 PMR 3.78 44 eP 37 10.10 -3.7
 eS 37 52.90
 KNK 3.92 49 eP 37 12.61 -3.2
 GH0 3.97 43 eP 37 12.99 -3.5
 CUT 4.03 30 eP 37 14.85 -2.4
 CFI 4.08 55 eP 37 15.35 -2.5
 SML 4.21 45 eP 37 15.94 -3.7
 HIN 4.36 68 eP 37 18.49 -3.2
 SCM 4.60 49 eP 37 21.55 -3.5
 VLZ 4.68 59 eP 37 22.64 -3.3
 CVA 4.75 67 eP 37 23.61 -3.3
 SDN 4.86 223 P 37 26.50 -1.9
 KTH 4.90 20 eP 37 27.08 -2.0
 TRF 4.93 23 eP 37 27.46 -2.1
 SGAM 5.00 69 eP 37 27.12 -3.2
 KLU 5.01 56 eP 37 26.96 -3.6
 TOA 5.21 50 P 37 30.20 -3.0
 RND 5.23 30 eP 37 30.70 -2.8
 RAGM 5.24 70 eP 37 30.56 -3.0
 KAIM 5.30 76 eP 37 32.70 -1.6
 DHV 5.40 38 eP 37 32.37 -3.5
 HMT 5.43 71 eP 37 33.14 -3.0
 TZL 5.48 52 eP 37 34.44 -2.3
 SDG 5.69 48 eP 37 37.31 -2.4
 GLB 5.93 61 eP 37 39.65 -3.3
 PAX 5.98 44 eP 37 40.14 -3.6
 CRQM 6.05 68 eP 37 41.65 -3.2
 WAX 6.14 71 eP 37 42.65 -3.3
 NEA 6.18 23 eP 37 42.82 -3.6
 MLY 6.32 15 eP 37 45.47 -2.9
 BALM 6.49 66 eP 37 47.41 -3.4
 CCB 6.52 27 eP 37 46.85 -4.1
 HDA 6.53 31 eP 37 47.01 -4.2
 YAH 6.67 73 eP 37 50.60 -2.7

26d 06h

FBA 6.74 26 eP 37 50.12 -3.8
 IL1 6.84 29 eP 37 51.17 -4.3
 ILB 6.84 29 eP 37 51.22 -4.2
 GLM 6.90 27 eP 37 52.52 -3.7
 CTGM 6.96 68 P 37 50.00 -7.2
 CTGM 6.96 68 eP 37 54.99 -2.2
 BC3 7.45 51 eP 38 00.86 -2.8
 BM3 9.57 24 eP 38 26.52 -5.5
 87 obs. associated

% SEP 26, 1993 06h 39m 20.55± 2.40s
 37.002 N ±25.8km 28.579 E ±15.5km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)

CIN 0.71 327 iPg 39 34.00 -0.6
 iSg 39 41.00
 ELL 1.10 103 iPn 39 40.00 -1.2
 KHL 1.52 29 iPn 39 46.70 -1.1
 BCK 1.67 73 iPn 39 52.10 2.1
 IZM 1.74 324 iPn 39 51.70 0.7
 KCT 3.25 357 iP 40 19.90 7.4X
 EZN 3.33 329 ePn 40 14.00 0.3
 EDC 3.39 351 eP 40 19.40 4.9X
 BNT 3.39 351 eP 40 20.90 6.4X
 KGT 3.59 344 ePn 40 17.00 -0.3

S.D. = 1.4 on 7 of 10 obs.

SEP 26, 1993 07h 46m 41.49± 0.63s
 21.345 S ± 6.3km 68.622 W ± 8.1km
 DEPTH = 170.5 ± 8.7 km
 CHILE-BOLIVIA BORDER REGION (124)

MOCB 2.78 89 P 47 27.40 -0.6
 ANT 2.88 215 iPd 47 28.70 0.1
 iS 47 58.50
 YJA 3.01 106 iPc 47 30.10 -0.7
 S 48 08.00
 HJA 3.51 123 iPc 47 37.80 1.2
 CNCB 4.55 8 iPd 47 51.10 0.4
 CCH 4.59 31 P 47 51.00 0.1
 LPB 4.81 6 P 47 54.80 0.8
 1.0s 80.00nm
 LPAZ 5.05 5 Pd 47 57.00 -0.3
 LR 49 29.00
 ARE 5.56 330 eP 48 03.00 -0.8
 iS 49 03.50
 SIV 8.92 55 P 48 43.90 -4.1X
 RSTA 18.33 104 (P) 50 45.00 -0.5
 VAO 20.12 99 eP 51 04.20 0.1
 BAO 20.36 77 eP 51 10.00 3.4X
 KIC 68.40 74 P 57 27.30 0.2
 LRM 77.78 330 eP 58 27.60 6.2X

S.D. = 0.7 on 12 of 15 obs.

% SEP 26, 1993 07h 53m 04.89± 0.76s
 43.109 N ±10.0km 0.943 W ± 7.5km
 DEPTH = 10.0km (geophysicist)
 PYRENEES (378)
 ML 1.0 (STR).

BOH 0.05 262 Pg 53 07.20 0.0
 Sg 53 09.39
 ELYF 0.07 330 Pg 53 07.20 -0.1
 MADF 0.10 68 Pg 53 07.70 0.1
 Sg 53 10.45
 ISSF 0.14 127 Pg 53 08.45 0.2
 Sg 53 11.68
 LHE 0.31 130 Pg 53 11.08 -0.2
 Sg 53 16.23

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

SEP 26, 1993 07h 53m 26.48± 0.49s
 37.713 N ± 4.2km 20.802 E ± 3.1km
 DEPTH = 38.9 ± 6.7 km
 4.4mb (21 obs.)
 IONIAN SEA (399)

ML 4.7 (TIR), 4.5 (ATH), 4.3
 (THE). Felt on Zakynthos and
 at Pirgos, Greece.

VLS 0.49 340 ePg 53 35.10 -2.0
 AGG 1.78 42 ePb 53 57.48 2.2
 eSb 54 20.44
 IGT 1.85 349 ePb 53 58.12 1.7
 eSb 54 23.28
 VLI 1.97 120 ePb 53 59.80 1.7

KEK 2.15 339 ePn 54 02.00 1.4
 SRN 2.25 344 ePn 54 03.10 1.1
 iSn 54 39.50
 ATH 2.32 83 ePn 54 04.00 0.9
 TPE 2.65 347 iPnc 54 07.50 -0.3
 iSn 54 49.50
 KZN 2.70 16 ePn 54 10.00 1.5
 LIT 2.72 28 ePn 54 10.24 1.4
 eSn 54 43.40

VLO 2.93 340 ePn 54 12.70 1.0
 iSn 54 56.60
 FNA 3.10 8 ePn 54 15.52 1.4
 eSn 54 53.48

PAIG 3.15 45 ePn 54 15.16 0.3
 eSn 54 54.44
 THE 3.36 29 ePn 54 18.60 0.7
 iSn 54 58.60

OHR 3.39 360 iPn 54 20.00 1.6
 i 54 30.00
 i 54 59.00
 i 55 16.80
 i 55 23.00

GRG 3.47 20 Lg 55 34.50
 ePn 54 20.08 0.7
 eSn 55 02.56

VAM 3.58 129 ePn 54 21.00 0.1
 OUR 3.60 42 iPn 54 21.80 0.6
 eSn 55 04.98

SOH 3.68 32 iPn 54 23.72 1.3
 TIR 3.70 349 ePn 54 23.50 0.9
 iSn 55 20.00

SOI 3.77 277 P 54 22.95 -0.7
 KNT 3.81 25 ePn 54 25.00 0.8
 eSn 55 09.56

GMB 3.93 278 P 54 25.43 -0.7
 PHP 3.98 356 ePn 54 27.80 1.2
 iSn 55 28.00

LACI 4.01 348 ePn 54 27.50 0.5
 iSn 55 27.00
 SRS 4.03 32 ePn 54 27.72 0.4
 iSn 55 14.96

ATN 4.24 278 P 54 29.64 -0.7
 SKO 4.28 6 iPn 54 30.90 0.0
 1.0s 540.00nm
 iPg 54 40.20
 iSn 55 20.00
 Lg 55 58.50

ULC 4.41 345 ePn 54 31.50 -1.2
 iSn 55 14.00

SDA 4.45 347 ePn 54 37.50 4.3X
 iSn 55 47.60
 MMB 4.48 29 iPc 54 33.00 -0.8
 KKB 4.50 22 iPc 54 33.00 -1.1

PRK 4.56 69 ePn 54 35.50 0.7
 NPS 4.58 121 ePn 54 35.00 -0.2
 BCI 4.68 353 iPnd 54 37.30 0.7
 iSn 55 21.80

MEU 4.71 264 P 54 35.18 -2.0
 PZI 4.74 264 P 54 34.47 -3.0X
 EZN 4.80 62 ePn 54 37.30 -1.0
 BDV 4.81 342 ePn 54 37.00 -1.4
 iSn 55 23.00

MNO 4.84 274 P 54 38.04 -1.0
 TTG 4.86 346 ePn 54 38.30 -0.7
 iSn 55 24.50

PVY 4.92 353 ePn 54 40.50 0.5
 iSn 55 28.00

RZN 4.99 36 iPc 54 40.00 -1.0
 HCY 5.05 340 ePn 54 41.00 -0.7
 iSn 55 29.00

ALN 5.16 50 ePn 54 42.48 -0.8
 IVA 5.20 353 ePn 54 43.00 -0.9
 iSn 55 34.00

VTS 5.21 20 iP 54 44.00 -0.1
 NKY 5.28 345 ePn 54 44.00 -1.0
 iSn 55 35.00

KDZ 5.30 41 iPc 54 43.00 -2.3
 PLD 5.31 33 eP 54 45.00 -0.4
 GIB 5.37 275 P 54 47.20 0.9
 BRY 5.46 342 ePn 54 45.50 -2.1
 iSn 55 38.50

PGB 5.48 27 iPc 54 46.00 -1.8
 DIM 5.66 39 iP 54 49.00 -1.2
 FAI 5.68 268 P 54 50.09 -0.6
 PLE 5.71 350 ePn 54 50.00 -1.2
 iSn 55 46.00

MFT 5.89 57 eP 54 53.00 -0.7

EDC 6.09 62 eP 54 56.40 -0.1
 BNT 6.14 62 eP 54 55.90 -1.2
 HVAR 6.39 330 iPn 54 57.70 -2.9X
 iSn 56 07.40

KCT 6.41 64 iP 55 00.90 0.0
 PVL 6.49 31 iP 54 59.00 -3.0X
 JMB 6.49 41 eP 55 00.00 -2.1
 DMK 6.75 50 eP 55 01.00 -4.6X
 ELL 7.33 95 eP 55 16.00 2.1

ALT 7.43 77 eP 55 15.00 -0.4
 BUC1 7.71 29 eP 55 22.00 2.9X
 BUC 7.80 29 ePc 55 30.00 9.8X
 GZR 7.81 10 ePd 55 25.00 4.4X

MTUR 8.16 22 eP 55 23.00 -2.4X
 MLR 8.67 25 ePc 55 34.00 1.5
 PTJ 8.94 338 iPn 55 33.30 -2.9X
 i(Sn) 57 09.10

RIY 9.01 330 ePn 55 35.30 -1.7
 iSn 57 12.90
 CFR 9.28 34 eP 55 50.00 9.3X
 LJU 9.54 333 eP 55 42.00 -2.4
 eS 57 23.00

TRI 9.56 329 e(Pn) 55 41.70 -2.9X
 e 56 07.10
 e(Sn) 57 25.40

VOY 9.77 330 eP 55 45.70 -2.0
 eS 57 27.50
 PSZ 10.22 357 ePc 55 51.80 -2.0
 SRO 10.26 351 eP 56 10.70 16.5X

ZST 10.82 347 e(P) 56 06.60 4.8X
 UZH 10.97 5 eP 56 03.50 -0.4
 KIS 11.04 30 eP 56 12.00 7.2X

Z 14s 1.00um
 N 13s 0.80um
 BHG 11.57 332 iPd 56 02.40 -9.6X
 GEC2 12.26 337 Pn 56 19.50 -1.9
 Sn 58 26.40

LPG 13.07 311 eP 56 42.40 10.1X
 0.6s 4.35nm
 LPL 13.09 311 eP 56 43.30 10.8X
 0.7s 5.30nm

GRF 13.82 333 iPc 56 51.40 9.5X
 Z 17s 0.30um
 BSF 14.40 319 eP 56 55.30 5.7X
 0.8s 13.45nm 4.5mb

MOX 14.50 336 e(P) 56 58.50 7.8X
 Z 19s 0.30um
 CDF 14.54 322 eP 56 57.40 6.0X
 0.8s 25.25nm 4.8mb

CLL 14.67 340 e(P) 56 59.00 6.0X
 1.5s 14.00nm 4.2mb
 HAU 14.74 319 eP 56 59.30 5.3X
 0.7s 19.60nm 4.6mb

SMF 15.39 311 eP 57 05.30 2.8X
 LBF 15.48 312 eP 57 06.40 2.8X
 0.8s 11.55nm 4.1mb
 LOR 15.70 313 eP 57 08.70 2.3
 0.8s 9.00nm 4.0mb

SSF 15.80 312 eP 57 10.00 2.3
 0.8s 14.25nm 4.2mb
 WLF 15.93 323 iPc 57 15.61 6.3X
 1.2s 42.80nm 4.5mb

MAF 15.98 308 eP 57 12.20 2.2
 1.0s 11.20nm 4.0mb
 TCF 16.23 308 eP 57 15.00 1.8
 0.9s 11.45nm 4.0mb

EGRA 16.79 292 eP 57 29.00 8.8X
 DOU 16.97 322 P 57 27.20 4.8X
 0.9s 32.50nm 4.5mb

SNF 17.39 323 P 57 34.50 6.8X
 ECRI 18.46 293 eP 57 42.00 1.0
 ERE 18.59 75 eP 57 51.00 8.4X

EBAN 19.39 279 eP 57 52.00 0.0
 EGUA 19.40 275 eP 57 52.50 0.3
 GUD 19.55 286 eP 57 52.50 -1.4
 ELUQ 19.84 277 eP 57 56.00 -0.9

OBN 20.44 27 (P) 58 00.00 -2.9X
 N 15s 0.50um
 E 12s 0.10um
 i 58 14.90
 (SS) 01 50.00

EPRU 20.70 276 eP 58 13.00 7.2X
 EJIF 20.98 275 eP 58 12.00 3.4X
 EPLA 21.03 285 eP 58 04.00 -5.2X

EVAL 21.79 278 eP 58 16.50 -0.3
 UPP 22.26 356 iP 58 20.80 -0.4
 HFS 22.89 351 eP 58 27.10 -0.4

26d 07h

0.5s 7.90nm 4.5mb
Z 15s 0.07um 3.2MszX
LR 06 28.00
NUR 22.95 5 eP 58 27.10 -0.9
0.5s 6.10nm 4.3mb
EKA 23.94 325 Pc 58 38.50 0.9
1.1s 27.10nm 4.7mb
NB2 24.12 349 P 58 39.80 0.4
1.0s 10.00nm 4.3mb
KAF 24.66 6 eP 58 45.20 0.6
0.4s 2.00nm 4.0mb
SVE 32.47 41 ePc 59 53.30 -1.8
BCAO 33.19 184 iPc 00 00.10 -1.6
0.7s 15.00nm 5.0mb
TIC 38.82 224 P 00 49.80 0.3
KIC 38.90 223 P 00 49.80 -0.4
LIC 39.17 223 P 00 52.00 -0.4
ZAK 57.70 49 eP 03 13.70 -1.6
1.0s 8.00nm 4.7mb
IMA 76.46 358 eP 05 16.89 3.3X
1.0s 5.50nm 4.5mb
MIAR 85.78 311 (P) 06 04.85 1.8
0.9s 2.53nm 4.4mb
NEW 86.57 333 (P) 06 08.19 1.4
1.0s 4.00nm 4.6mb
S.D. = 1.3 on 92 of 128 obs.

* SEP 26, 1993 08h 20m 39.80± 1.11s
15.077 S ±26.5km 72.309 W ±15.9km
DEPTH = 223.7 ± 32.6 km

SOUTHERN PERU (117)

LPAZ 4.20 107 Pc 21 45.50 -0.6
S 22 38.40
LPB 4.30 110 Pc 21 47.20 0.0
1.0s 22.00nm
S 22 40.00
CNCB 4.51 113 iP 21 49.90 0.1
S 22 43.00
NNA 5.37 304 iPc 22 00.20 0.0
0.3s 25.97nm 4.8mb X
iS 22 55.20
CCH 6.36 112 eP 22 14.00 0.9
MOCB 8.82 135 P 22 44.80 -0.3
SIV 10.87 96 P 23 10.60 -0.2
S.D. = 0.7 on 7 of 7 obs.

? SEP 26, 1993 08h 22m 52.20± 0.94s
37.425 N ± 7.7km 30.118 E ± 9.4km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

ML 3.5 (ISK).

BCK 0.38 84 iPg 23 00.10 0.1
eSg 23 07.00
ELL 0.70 194 iPn 23 06.00 0.0
KHL 1.01 332 iPn 23 11.80 0.4
ALT 1.63 360 iPn 23 20.60 -0.5
S.D. = 0.6 on 4 of 4 obs.

* SEP 26, 1993 08h 35m 12.68± 3.61s
33.468 S ± 7.7km 72.236 W ±26.7km
DEPTH = 10.0km (geophysicist)

OFF COAST OF CENTRAL CHILE (134)
MD 4.3 (SAN).

LCCH 0.56 91 iP 35 24.27 0.3
iS 35 33.55
IHA 0.67 49 iPc 35 26.40 0.5
iS 35 36.70
LNV 0.84 126 iP 35 28.95 0.0
iS 35 41.30
TACH 1.10 100 iP 35 33.10 -0.2
iS 35 49.02
ROCH 1.14 65 iP 35 33.79 -0.4
SAN 1.32 90 iP 35 36.86 -0.2
PEL 1.34 76 iP 35 37.61 0.2
iS 35 56.66
PCH 1.45 97 iP 35 38.67 -0.3
CACH 1.51 116 iP 35 40.25 0.4
iS 36 02.22
JACH 1.59 61 iP 35 40.65 -0.3
S.D. = 0.4 on 10 of 10 obs.

% SEP 26, 1993 08h 41m 12.34± 1.36s
40.433 N ±10.0km 21.828 E ± 8.4km
DEPTH = 5.0km (geophysicist)

GREECE (364)
ML 1.9 (THE).

FNA 0.49 316 ePg 41 22.25 0.1
eSg 41 30.26
LIT 0.61 123 ePg 41 24.22 -0.2
eSg 41 34.98
GRG 0.68 40 ePg 41 25.66 -0.3
KNT 1.09 48 ePg 41 33.02 -0.3
SOH 1.22 71 ePb 41 36.38 0.8
S.D. = 0.6 on 5 of 5 obs.

? SEP 26, 1993 08h 47m 03.88± 5.85s
18.517 S ±26.8km 176.626 W ±29.1km
DEPTH = 138.5 ± 47.1 km
4.8mb (5 obs.)

FIJI ISLANDS REGION (181)

DZM 16.27 255 iPc 50 46.70 0.8
CNB 34.42 234 iPd 53 40.40 0.4
1.0s 42.00nm 5.2mb
CAN 34.70 234 eP 53 42.20 -0.2
BWA 34.86 236 eP 53 40.30 -3.5X
CTA 35.02 261 iPc 53 44.30 -0.9
1.1s 408.23nm 6.1mb X
TOO 38.12 232 iPd 54 11.10 0.0
1.0s 53.00nm 5.3mb
STK 39.84 242 iPd 54 25.90 0.6
2.4s 2.90nm 3.6mb X
WR2 46.17 260 eP 55 15.30 -1.3
0.7s 4.60nm 4.3mb
ASPA 46.26 255 iPd 55 16.30 -1.0
0.9s 15.30nm 4.7mb
BJI 85.41 315 eP 59 28.00 1.1
1.5s 14.00nm 4.6mb
LRM 86.36 39 eP 59 30.20 -1.6
OJC 145.75 341 ePKP 06 27.00 -0.3
KSP 146.15 345 ePKP 06 28.30 0.4
CLL 146.40 349 iPKPd 06 28.70 0.4
1.3s 38.00nm
SPC 146.51 340 ePKP 06 29.70 0.9
BRG 146.64 348 ePKP 06 29.40 0.7
1.6s 36.00nm
e 06 45.50

MLR 147.21 330 ePKP 06 32.50 2.5X
MOX 147.28 350 ePKP 06 32.30 2.5X
PSZ 147.73 339 ePKPd 06 33.70 3.0X
GRF 148.27 350 ePKP 06 34.70 3.3X
Z 22s 0.10um 4.6Msz
SRO 148.34 341 ePKP 06 34.30 2.8X
ZST 148.36 342 ePKP 06 34.80 3.3X
GEC2 148.61 347 PKP 06 35.50 3.4X
1.1s 4.49nm
e 06 39.30

CDF 150.01 355 ePKP 06 38.80 4.6X
1.4s 0.70nm
LOR 151.32 359 ePKP 06 40.20 4.1X
1.3s 15.15nm

Z 21s 0.17um 4.8Msz
SSF 151.53 360 ePKP 06 40.80 4.4X
1.7s 49.25nm
LBF 151.61 359 ePKP 06 40.60 4.0X
1.3s 16.95nm
SMF 151.95 359 ePKP 06 42.70 5.7X
1.3s 15.15nm
TCF 152.29 2 ePKP 06 41.20 3.6X
1.2s 15.45nm
S.D. = 1.0 on 15 of 29 obs.

& SEP 26, 1993 09h 01m 28.74s
63.337 N 145.316 W
DEPTH = 2.9km

CENTRAL ALASKA (1)

<AEIC>. ML 2.5 (AEIC).

THY 0.21 292 iPc 01 33.12 0.1
eS 01 35.96
PAX 0.37 191 iPd 01 36.06 -0.2
eS 01 41.37
DOT 0.64 60 ePc 01 40.90 -0.7
eS 01 50.23
DJE 0.71 347 ePd 01 42.30 -0.7
eS 01 51.58
SDG 0.82 187 iPd 01 44.21 -0.9
eS 01 55.53
DHY 0.97 255 eP 01 46.40 -1.5
eS 01 59.09

TMW 1.05 90 ePc 01 48.31 -0.8
eS 02 02.91
HDA 1.30 327 eP 01 52.79 -0.6
eS 02 09.97
TOA 1.30 198 P 01 53.00 -0.5
TZL 1.30 182 eP 01 53.18 -0.3
RND 1.60 274 eP 01 58.41 0.4
eS 02 19.76
IL1 1.60 335 eP 01 56.55 -1.4
ILB 1.60 335 eP 01 56.77 -1.2
eS 02 17.64

BC3 1.62 98 iPc 01 57.47 -0.9
eS 02 19.34
MCK 1.67 285 eP 01 59.97 0.9
CCB 1.71 321 eP 01 59.03 -0.6
eS 02 22.45

SCM 1.77 213 eP 02 00.53 -0.1
eS 02 24.10

KLU 1.87 189 iPd 02 02.11 0.1
eS 02 26.48
GLM 1.89 332 eP 02 02.35 0.1
FBA 1.91 326 eP 02 03.71 1.2
BWN 2.03 296 eP 02 05.29 1.1
GLB 2.03 159 eP 02 04.44 0.2
MDM 2.07 323 P 02 06.50 1.7
NEA 2.07 309 P 02 06.50 1.6
SML 2.07 224 eP 02 05.08 0.1
PRP 2.19 358 eP 02 06.73 0.0
VLZ 2.26 193 eP 02 07.74 0.1
GHO 2.29 228 eP 02 09.00 0.9
KNK 2.42 219 eP 02 10.36 0.4
CFI 2.45 209 eP 02 11.35 1.1
CUT 2.46 250 P 02 12.60 2.3
KTH 2.53 277 P 02 12.80 1.3
PWA 2.71 233 P 02 17.20 3.2
CRQM 2.79 157 P 02 17.10 1.8
PTE 3.03 217 P 02 19.70 1.2
35 obs. associated

% SEP 26, 1993 11h 01m 23.11± 1.06s
39.121 N ± 7.7km 27.645 E ±12.6km
DEPTH = 10.0km (geophysicist)

TURKEY (366)

ML 2.7 (ISK).

IZM 0.78 203 ePg 01 38.30 -0.1
eSg 01 50.30
EZN 1.24 305 ePn 01 46.40 0.3
BNT 1.25 10 ePn 01 45.80 -0.6
KCT 1.25 26 ePn 01 47.00 0.6
KGT 1.35 349 iPn 01 47.80 -0.2
S.D. = 0.6 on 5 of 5 obs.

? SEP 26, 1993 11h 44m 04.16± 3.13s
31.478 S ±26.5km 68.391 W ±16.0km
DEPTH = 97.1 ± 28.8 km

SAN JUAN PROVINCE, ARGENTINA (137)

RTL 0.16 336 iPc 44 18.00 -0.4
S 44 28.00
CFA 0.18 135 ePd 44 18.80 0.4
S 44 30.00
RTCB 0.35 269 iPd 44 19.00 0.0
S 44 30.50
RTRS 1.60 325 ePd 44 31.90 0.1
S 44 52.50
RTPR 2.00 55 ePc 44 37.20 0.2
SPc 15 27.20
TCA 3.25 89 iP 44 54.00 -0.2
S.D. = 0.4 on 6 of 6 obs.

SEP 26, 1993 11h 55m 52.02± 0.11s
13.009 N ± 2.5km 145.016 E ± 2.8km
DEPTH = 63.7km (7 depth phases)
5.8mb (103 obs.)

MARIANA ISLANDS (216)

Mw 5.8 (GS), 5.8 (HRV).

Mo=8.5*10**17 Nm (PPT). Felt

(IV) in the Orote area, Guam.

Felt in the northern part of

Guam.

FAULT PLANE SOLUTION: P-Waves

NP1:Strike= 30 Dip=70 Slip= 90

NP2: 210 20 90

Principal Axes:

T Plg=65 Azm=300

P 25 120

26d 11h

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

MOMENT TENSOR SOLUTION

Dep 44 No. of sta: 20
Moment Tensor; Scale 10**17 Nm

Mrr= 4.24 Mtt=-0.65
Mff=-3.58 Mrt= 1.29
Mrf= 4.50 Mtf=-1.64

Principal axes:

T Val= 6.32 Plg=66 Azm=281
N 0.03 4 20
P -6.36 24 112

Best Double Couple: Mo=6.3*10**17

NP1: Strike=210 Dip=22 Slip= 101

NP2: 18 69 86

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 47S, **C

Centroid Location:

Origin Time 11:55:53.6 0.2

Lat 12.96N 0.02 Lon 145.40E 0.02

Dep 43.7 1.6 Half-duration 1.8

Moment Tensor; Scale 10**17 Nm

Mrr= 2.31 0.05 Mtt= 0.63 0.08

Mff=-2.94 0.08 Mrt= 2.13 0.11

Mrf= 3.37 0.13 Mtf= 0.36 0.06

Principal Axes:

T Val= 4.96 Plg=55 Azm=320

N -0.30 20 199

P -4.66 28 98

Best Double Couple: Mo=4.8*10**17

NP1: Strike=149 Dip=25 Slip= 37

NP2: 24 75 110

GUA	0.54	349	eP	56	06.30	1.5
GUMO	0.59	346	eP	56	07.20	1.8
			eS	56	18.20	
SAPN	2.30	18	Pn	56	27.80	-0.5
			Pg	56	28.80	
			eS	56	53.20	
ANAT	3.38	10	eP	56	44.50	0.9
			eS	57	20.00	
ALMG	4.63	10	e(P)	57	02.20	1.0
KVG	16.53	159	eP	59	37.90	-3.4X
RAB	18.50	157	eP	00	07.00	1.3
			iS	03	40.00	
BIP	19.04	257	ePd	00	12.50	0.5
PLP	19.68	267	ePd	00	19.50	0.7
DAV	20.02	255	eP	00	23.20	0.8
			e(S)	04	04.80	
CGP	20.47	259	eP	00	28.50	1.5
MAP	20.77	265	eP	00	31.50	1.4
CTB	21.28	256	ePc	00	40.00	4.7X
GQP	21.97	275	ePd	00	44.00	1.9
KAGJ	22.29	327	eP	00	45.80	0.6
PMG	22.37	174	eP	00	46.70	0.6
WKYJ	22.79	339	P	00	50.40	0.3
TKSJ	23.14	336	P	00	54.00	0.5
IIDJ	23.28	345	P	00	55.10	0.3
KUMJ	23.38	329	P	00	56.50	0.7
RGY	23.43	275	ePc	00	57.00	0.4
KAKJ	23.50	350	P	00	55.90	-1.1
CHJJ	23.57	348	P	00	55.60	-2.1
BCP	23.84	281	eP	01	02.40	1.8
TSRJ	23.87	342	eP	01	00.00	-0.5
BAG	23.87	281	ePc+	01	01.20	0.3
	1.0s	338.00nm			5.8mb	
			eS	05	12.00	
SHK	24.18	334	ePc	01	03.00	-0.5
MAJO	24.22	347	eP	01	00.81	-3.1X
	0.6s	96.48nm			5.5mb	
MAT	24.22	347	eP	01	03.00	-1.0
	1.5s	250.00nm			5.5mb	
Z	20s	13.12um			5.4MsZ	
			eS	05	17.00	
MTMJ	24.35	346	P	01	04.10	-1.3
YONJ	24.43	337	P	01	05.50	-0.5
SHNJ	24.53	331	eP	01	06.20	-0.7
NIJJ	24.72	348	P	01	07.30	-1.5
YAMJ	25.45	351	eP	01	14.30	-1.3
PPR	25.96	266	ePc	01	24.00	3.5X
OFUJ	26.14	354	eP	01	20.40	-1.5
HNR	26.78	146	eP	01	25.00	-3.0X
QZH	27.60	299	eP	01	38.00	2.5X

SSE	Z	27s	10.70um		5.3MsZ	
		28.38	313 P	01	41.00	-1.4
		1.0s	95.00nm		5.4mb	
	Z	20s	2.30um		4.8MsZ	
	N	10s	0.70um			
	E	10s	0.70um			
			PP	02	36.00	
			PcP	04	54.50	
MTN		29.14	209 eP	01	48.40	-1.0
HOOJ		29.31	357 eP	01	49.30	-1.3
MRRJ		29.51	354 eP	01	51.60	-0.8
KUSJ		29.98	360 eP	01	53.70	-2.9X
NJ2		30.57	313 Pc	02	01.40	-0.5
	E	15s	1.82um			
ASAJ		31.07	357 eP	02	05.00	-1.1
VLA		32.07	342 iPd	02	14.80	-0.2
		2.0s	513.00nm		6.0mb	
	Z	13s	0.90um		4.6MsZ	
	N	15s	1.30um			
			i	02	24.00	
			ipP	02	30.00	62km
			i	03	25.00	
			i	05	09.00	
			iS	07	23.00	
			iSS	09	19.00	
			i	12	35.00	
CTA		32.91	178 iPd	02	22.10	-0.4
		0.9s	227.31nm		6.0mb	
DL2		33.08	325 Pc	02	24.00	0.2
		1.0s	260.00nm		6.0mb	
	Z	28s	3.41um		4.9MsZ	
	N	13s	1.15um			
	E	13s	1.92um			
WHN		33.24	307 Pc	02	25.00	-0.3
		1.5s	290.00nm		5.9mb	
	Z	24s	6.73um		5.3MsZ	
	N	20s	1.85um			
			PP	03	36.00	
			PcP	05	06.50	
			eS	07	44.00	
QIS		33.78	189 iPd	02	29.00	-1.0
YSS		33.95	357 eP	02	28.70	-2.5
		0.8s	20.00nm		5.1mb	
	Z	18s	1.50um		4.8MsZ	
	N	17s	1.40um			
	E	17s	1.60um			
			e	02	36.30	
			e	03	45.00	
			eS	07	48.00	
			eSS	10	00.00	
			eSSS	10	28.00	
TIA		34.08	318 Pc	02	31.80	-0.7
		0.9s	72.00nm		5.6mb	
	N	16s	2.12um			
	E	16s	2.00um			
			PcP	05	09.70	
			S	07	53.00	
MDJ		34.15	340 Pc	02	32.00	-1.0
		1.6s	240.00nm		5.9mb	
	Z	28s	5.79um		5.2MsZ	
	N	15s	1.44um			
	E	15s	1.48um			
			PcP	05	09.00	
			eS	07	54.00	
			PcS	08	55.00	
			ScS	12	50.00	
SNY		34.24	331 Pc	02	32.50	-1.3
		1.8s	170.00nm		5.7mb	
	Z	21s	4.17um		5.1MsZ	
	N	12s	0.85um			
	E	17s	2.22um			
			pP	02	51.50	80kmX
			PP	03	53.50	
			S	07	58.00	
QIZ		34.29	285 Pc	02	35.40	0.9
		1.3s	140.00nm		5.7mb	
	E	21s	7.00um			
			eS	07	54.00	
WR2		34.39	198 iPd	02	33.80	-1.5
		0.5s	34.80nm		5.5mb	
			e	02	55.70	
CN2		34.99	335 Pc	02	39.00	-1.2
		1.0s	28.00nm		5.1mb	
	Z	24s	3.61um		5.0MsZ	
	N	13s	0.97um			
	E	13s	0.77um			
			epP	02	54.00	60km

			PP	03	58.00	
			PcP	05	11.00	
			eS	08	03.00	
			ScP	08	50.40	
			ScS	12	52.70	
BJI		36.99	322 eP	02	57.00	0.0
		2.0s	420.00nm		6.0mb	
Z		26s	5.62um		5.2MsZ	
N		18s	2.43um			
			ePP	04	20.00	
			PcP	05	18.00	
			eS	08	40.00	
			eSS	11	08.00	
ASPA		38.04	197 iPc	03	05.40	-0.7
		0.6s	33.40nm		5.4mb	
Z		22s	4.50um		5.2MsZ	
			eS	08	51.80	
TIY		38.04	316 Pc	03	06.00	-0.1
		1.0s	180.00nm		6.0mb	
Z		25s	9.24um		5.5MsZ	
E		20s	3.62um			
			pP	03	23.00	69km
			PP	04	32.00	
BKM		38.14	142 iPc	03	04.30	-2.7
GYA		38.34	296 iPc	03	10.00	1.2
		1.0s	110.00nm		5.7mb	
Z		20s	4.43um		5.3MsZ	
			PP	04	42.00	
			PcP	05	23.00	
			S	09	02.00	
XAN		38.87	309 Pc	03	12.00	-1.0
		1.0s	79.00nm		5.6mb	
Z		20s	4.54um		5.3MsZ	
N		13s	1.59um			
E		16s	2.40um			
			pP	03	27.00	59km
			sP	03	36.30	
			PcS	09	12.00	
			SS	11	56.00	
TPI		40.26	250 ePc	03	25.00	0.4
			e	06	00.00	
HHC		40.30	320 Pc	03	24.80	0.0
		0.8s	110.00nm		5.8mb	
Z		31s	8.31um		5.4MsZ	
N		20s	3.17um			
E		18s	3.16um			
			S	09	20.00	
DZM		40.71	149 iPd	03	27.90	-0.4
BTO		41.15	318 iPd	03	32.00	0.2
		0.8s	140.00nm		5.8mb	
N		19s	2.80um			
E		19s	2.35um			
			pP	03	46.50	56km
PET		41.37	12 eP	03	32.00	-1.2
Z		20s	1.80um		4.9MsZ	
			e	03	43.00	
			e	05	07.00	
			ePPP	05	29.00	
			eS	09	36.00	
			eSS	12	44.00	
			eSSS	13	30.00	
KMI		41.57	293 Pc	03	36.50	0.9
		1.2s	110.00nm		5.5mb	
Z		25s	7.10um		5.4MsZ	
			PcP	05	33.00	
			eS	09	50.00	
CD2		41.92	302 iPc	03	37.90	-0.3
		1.2s	280.00nm		5.9mb	
Z		23s	6.05um		5.4MsZ	
			iPcP	05	30.00	
			S	09	50.00	
LOE		41.93	282 eP	03	38.50	0.1
			e	05	34.00	
MBL		42.01	216 eP	03	39.00	0.1
		0.4s	19.00nm		5.2mb	
LEM		42.06	244 iPc	03	40.50	0.

SIT	73.57	34	eP	07	20.10	0.2
INK	74.85	22	ePc	07	26.00	-1.1
	1.0s	75.00nm				5.6mb
SVE	76.15	326	iPc	07	35.30	0.5
	2.0s	600.00nm				6.2mb
Z	19s	2.70um				5.6Msz
N	19s	0.60um				
E	19s	1.60um				
		e		10	25.00	
		ePS		18	10.00	
ARU	77.30	325	ePc+	07	40.00	-1.1
	2.0s	500.00nm				6.1mb
Z	18s	1.50um				5.4Msz
N	14s	0.50um				
E	18s	1.50um				
		(S)		17	27.00	
		e		17	40.00	
MAIO	78.85	305	iPc	07	51.00	0.8
	0.8s	16.47nm				5.0mb
ASH	79.53	307	P	07	54.00	0.3
		e		08	09.00	
		e		18	06.00	
STW	81.31	43	P	08	03.93	1.0
ONR	81.46	44	P	08	06.60	2.9X
MCW	81.77	42	iPc	08	06.16	0.8
KMOR	81.86	45	P	08	06.60	0.6
BMW	81.89	44	ePc	08	06.20	0.1
RNO	81.99	47	P	08	08.04	1.4
GMW	82.00	43	iPc	08	07.55	1.0
KMPM	82.34	50	eP	08	09.78	1.2
FHC	82.38	50	(P)	08	10.29	1.6
	1.3s	232.63nm				6.0mb
JCW	82.45	42	Pc	08	09.61	0.7
DBO	82.49	48	P	08	13.44	4.1X
SHW	82.62	44	eP	08	09.23	-0.7
RMW	82.67	43	ePc	08	10.85	0.7
SSOR	82.72	46	P	08	10.93	0.4
LON	82.80	44	eP	08	10.35	-0.5
		S		18	26.07	
ASR	83.07	44	P	08	12.94	0.7
YBH	83.14	49	eP	08	13.52	0.8
	0.9s	110.00nm				5.8mb
Z	22s	1.80um				5.4Msz
		eS		18	32.52	
		eSS		23	46.52	
		eLQ		29	47.52	
		eLR		33	05.52	
LGPM	83.22	50	iPc	08	13.98	0.8
VBEM	83.29	45	P	08	13.96	0.5
YKA	83.31	27	eP	08	13.00	0.1
	1.0s	69.90nm				5.6mb
WDC	83.50	50	eP	08	14.41	0.0
	1.8s	195.06nm				5.8mb
Z	21s	1.70um				5.4Msz
EBG	83.61	43	Pc	08	15.51	0.6
CROR	83.72	45	P	08	15.86	0.3
VGB	83.76	45	iPc	08	16.07	0.4
LBFM	83.82	49	iPc	08	16.98	0.6
WTV	83.85	43	P	08	16.15	0.0
VIPM	84.08	46	P	08	17.79	0.3
JEGM	84.17	53	(P)	08	17.99	0.1
SAW	84.21	43	P	08	17.97	0.1
BKS	84.28	53	eP	08	18.74	0.4
	0.8s	90.00nm				5.9mb
Z	19s	0.90um				5.2Msz
		eS		18	43.09	
		eLQ		30	10.09	
		eLR		33	26.09	
WAH2	84.31	43	P	08	19.00	0.6
STAN	84.42	53	eP	08	23.40	4.3X
	1.6s	300.00nm				6.1mb
ORV	84.49	51	eP	08	19.56	0.1
	1.3s	110.00nm				5.7mb
Z	22s	0.80um				5.1Msz
		eS		18	42.67	
		eSS		24	06.67	
		eLQ		30	11.67	
		eLR		33	41.67	
HMR	84.55					

26d 12h

SAO	85.13	54 eP	08 23.44	0.8	1.3s	32.26nm	5.6mb	1.9s	34.00nm	6.0mb				
	1.5s	94.41nm	5.7mb	EMUT	92.36	48 eP	08 57.88	0.6	Z 22s	1.50um	5.5Msz			
Z 19s	0.94um	5.2Msz		SRU	92.80	49 iPc	08 59.34	0.1		eSKS	20 35.00			
	S	18 45.37		NUR	92.83	335 iP	08 57.10	-1.6	GEC2	104.90	329 Pdiff	09 53.10	-0.4	
LNOR	85.38	44 P	08 24.12	0.3	ANN	93.07	317 eP	08 58.00	-2.1		1.0s	0.80nm	4.7mb X	
BAK	85.53	310 iPc	08 25.00	0.5		1.0s	40.00nm	5.8mb		e	09 56.40			
	iS	18 48.00			Z 24s	2.60um	5.6MszX			e	10 09.40			
NEW	85.57	42 iPc	08 24.98	0.3	N 24s	1.90um				e	14 08.60			
	1.0s	78.48nm	5.8mb	E 24s	2.60um					e	14 11.60			
CMB	85.67	52 eP	08 25.78	0.4		e	12 41.00		GRF	105.54	331 ePKP	14 11.00	1.5	
	1.5s	170.00nm	5.9mb			e	19 30.00		Z 22s	1.00um	5.3Msz			
Z 19s	0.80um	5.1Msz				ePS	21 20.00		WTS	105.87	335 ePKP	14 20.00	10.1X	
	eS	18 58.64		FCC	94.01	27 eP	09 07.00	2.9X		1.0s	42.30nm			
	eSS	24 39.64		PV09	94.03	49 eP	09 04.93	-0.1	TNS	106.45	333 ePKPd	14 23.60	12.4X	
	eLQ	31 02.64		PV10	94.14	49 ePc	09 05.53	0.0	EKA	106.84	342 PKPc	14 24.20	12.5X	
	eLR	33 45.64		PV08	94.36	49 (P)	09 07.98	1.3		1.6s	80.90nm			
BCH	86.55	55 eP	08 30.84	0.9	TUC	94.79	55 eP	09 10.28	1.9	MIAR	107.04	47 ePKP	14 14.70	2.0
MMPM	86.81	52 (P)	08 31.96	0.5		2.4s	102.35nm	5.8mb		Z 19s	1.61um	5.6Msz		
MEMM	86.87	52 eP	08 32.89	1.7	MNK	94.91	328 eP	09 06.00	-2.3	ENN	107.16	334 ePKP	14 30.00	17.6X
MTUM	87.23	52 (P)	08 34.20	0.9		Z 20s	2.90um	5.7Msz			1.3s	87.00nm		
BONR	87.29	52 (P)	08 34.30	0.7	SIM	95.13	318 eP	09 09.00	-0.6	SLM	107.22	42 PKP	14 30.00	17.1X
ABL	87.32	55 (P)	08 34.45	0.7		Z 22s	1.20um	5.3Msz			Z 19s	1.51um	5.6Msz	
ISA	87.72	54 eP	08 35.16	-0.3			eS	19 43.00		FVM	107.45	43 (PKP)	14 17.44	4.0X
	1.5s	76.12nm	5.7mb	RSSD	95.50	43 ePd	09 10.42	-1.2		Z 19s	2.24um	5.7Msz		
	S	19 13.79			1.0s	35.52nm	5.8mb		HOFF	107.59	332 PKP	14 31.72	18.4X	
GRO	87.84	314 iPc+	08 35.00	-0.8	UPP	96.06	336 iP	09 12.10	-1.4	LANF	107.64	332 PKP	14 32.14	18.7X
	2.0s	360.00nm	6.2mb			1.1s	100.00nm	6.3mb	ELC	108.62	43 PKP	14 34.60	19.0X	
Z 18s	1.50um	5.4Msz					iS	19 44.00	BSF	108.93	332 ePKP	14 18.20	2.1	
N 17s	2.50um			GOL	96.32	47 eP	09 15.27	-0.2		0.9s	9.50nm			
E 18s	2.00um					2.2s	113.80nm	6.0mb	LOR	110.68	333 ePKP	14 20.00	0.7	
	i	12 10.00				Z 19s	1.55um	5.5Msz			1.4s	15.70nm		
	iS	19 00.00		GLD	96.41	47 (P)	09 19.62	3.8X		Z 24s	0.93um	5.3MszX		
TNP	88.08	51 iPc	08 37.92	0.6			ePP	13 09.68	LBF	110.85	333 ePKP	14 20.70	1.1	
	0.7s	43.46nm	5.7mb			1.6s	42.64nm	5.7mb		1.0s	6.20nm			
TAB	88.79	309 iP+	08 40.00	-0.7		Z 20s	1.86um	5.6Msz	SSF	111.00	333 ePKP	14 22.20	2.4X	
MOS	88.87	327 iPc	08 40.00	-0.4	KAS	96.81	315 eP	09 16.00	-1.4		1.6s	45.40nm		
	2.0s	760.00nm	6.6mb	ALQ	97.29	52 eP	09 20.24	0.4	SMF	111.16	332 ePKP	14 20.90	0.7	
Z 19s	2.00um	5.6Msz				2.1s	53.76nm	5.7mb		1.1s	10.25nm			
N 19s	3.00um					Z 20s	0.86um	5.2Msz	AVF	111.27	333 ePKP	14 21.70	1.4	
E 19s	2.40um						ePP	13 12.98		1.0s	5.40nm			
	e	08 51.00		HFS	97.38	338 eP	09 18.80	-0.7	FLN	111.33	336 ePKP	14 21.60	1.2	
	e	19 04.00				0.5s	15.50nm	5.8mb		Z 23s	1.50um	5.5MszX		
MTA	88.92	313 eP	08 40.00	-1.0		Z 19s	0.93um	5.3Msz	BGF	111.68	333 ePKP	14 23.50	2.4X	
	e	19 05.00					LR	52 13.00		1.3s	23.85nm			
TPNV	89.12	52 eP	08 42.89	0.6	ULM	97.64	34 eP	09 22.50	1.6	GRR	111.78	336 ePKP	14 21.90	0.7
	0.8s	100.79nm	6.1mb		NB2	97.64	339 P	09 19.30	-1.5		1.0s	20.00nm		
GSC	89.13	54 iPc	08 42.88	0.6			1.3s	60.00nm	6.0mb	YSNY	111.85	33 PKP	14 30.00	8.4X
PEC	89.21	56 iPc	08 42.75	0.2	MOL	97.72	342 eP	09 20.63	-0.4		Z 20s	1.37um	5.5Msz	
	0.8s	66.04nm	6.0mb	LVL	98.89	326 eP	09 28.00	1.5	LPF	112.14	336 ePKP	14 22.70	0.8	
LRM	89.31	43 iPd	08 53.20	10.1X		Z 20s	2.80um	5.8Msz		0.9s	20.00nm			
PYA	89.47	315 iPc+	08 42.00	-1.6		N 14s	1.00um		TCF	112.16	333 ePKP	14 22.90	0.8	
Z 20s	1.00um	5.2Msz			E 18s	1.90um				1.3s	22.00nm			
	i	08 48.00		UZH	100.49	325 iPdiff09	33.00	-0.7	MYNC	113.27	42 PKP	14 40.00	15.4X	
TRO	89.51	344 eP	08 41.98	-1.3			1.5s	75.00nm	6.1mb		Z 20s	0.66um	5.2Msz	
ERE	89.57	311 iP	08 42.00	-2.2			e	13 42.00		CBM	113.36	24 PKP	14 40.00	15.7X
	i	19 10.00					ePS	22 22.00			Z 20s	0.86um	5.3Msz	
PLM	89.59	56 (P)	08 44.90	0.3	UZH	100.49	325 iPdiff09	33.00	-0.7	BINY	113.38	32 PKP	14 40.00	15.4X
OBN	89.65	327 iPc+	08 43.40	-0.7			1.5s	75.00nm	6.1mb		Z 20s	0.97um	5.4Msz	
	1.6s	472.00nm	6.5mb		AKU	100.52	353 iPdiff09	35.00	1.6	SSPA	113.47	34 PKP	14 40.00	15.3X
Z 20s	1.30um	5.4Msz		SPC	101.30	327 e(Pdiff09	37.10	-0.5		Z 19s	0.05um	4.1MszX		
N 20s	1.10um						e(P) 13 41.00		LBNH	113.86	28 PKP	14 40.00	14.6X	
E 20s	1.20um			KSP	102.33	330 ePdiff09	41.10	-0.8		Z 21s	1.34um	5.5Msz		
	i	08 50.00		VRAC	103.14	328 iPdiff09	44.90	-0.5	LPO	113.86	333 ePKP	14 26.60	1.2	
	e	19 06.00				1.9s	101.30nm	6.2mb		1.0s	15.00nm			
DAG	89.88	356 iPd	08 44.90	0.1	SRO	103.15	326 ePdiff09	45.10	-0.4	LSCT	115.17	31 PKP	14 40.00	12.0X
	0.7s	42.47nm	5.8mb				ePP 13 49.40			Z 21s	0.95um	5.4Msz		
HHAI	90.14	45 iPd	08 48.44	1.6	WMOK	103.15	49 Pdiff 10 00.00	14.0X	HRV	115.36	29 PKP	14 40.00	11.7X	
PTI	90.28	46 (P)	08 49.07	1.5		Z 19s	1.34um	5.5Msz		Z 20s	0.75um	5.3Msz		
HVU	90.33	47 iPd	08 49.02	1.2	BRG	103.45	331 ePdiff09	45.90	-1.0	LMN	115.53	23 ePKP	14 32.00	3.4X
PUL	90.76	333 ePc	08 48.00	-1.1			1.6s	28.00nm	5.8mb	CEH	115.96	39 PKP	14 40.00	10.3X
	1.6s	210.00nm	6.2mb			Z 20s	1.30um	5.5Msz			Z 19s	1.17um	5.5Msz	
	e	08 55.00		ZST	103.56	327 ePdiff09	47.00	-0.4	ECRI	117.14	334 ePKP	14 36.00	4.2X	
	e	12 26.00					e 13 46.10		KRI	117.69	258 iPKP	14 35.90	2.2	
DUG	90.78	48 iPd	08 50.46	0.6	CLL	103.61	331 ePdiff09	46.00	-1.5	ETOR	118.38	332 ePKP	14 35.00	0.7
	1.8s	202.75nm	6.2mb			1.7s	39.00nm	6.0mb	ECHE	118.84	330 ePKP	14 36.00	0.9	
Z 20s	1.03um	5.2Msz				Z 22s	1.50um	5.5Msz	LSZ	118.89	260 iPKPd	14 36.00	0.0	
ARUT	91.04	51 eP	08 52.12	1.0			eSKS 20 23.00		BUL	118.93	254 iPKP	14 35.90	-0.1	
KAF	91.30	336 iP	08 50.20	-1.4	SKO	104.65	320 ePdiff09	52.70	0.3	STS	119.33	338 ePKP	14 39.00	3.1X
	0.4s	32.10nm	6.1mb				0.99um	5.3Msz	GUD	119.46	333 ePKP	14 37.00	0.6	
GLA	91.32	56 (P)	08 55.03	2.7X			LR 00 05.00		SLR	119.48	248 iPKPd	14 32.50	-4.4X	
MSU	91.77	50 iPc	08 55.42	0.8						1.4s	60.00nm			
DAU	91.84	48 eP	08 55.33	0.3	MOX	104.71	331 ePdiff09	52.40	-0.1	EZAM	120.02	338 ePKP	14 40.00	2.8X
BW06	92.27	45 iPc	08 56.80	0.0						EVIA	120.32	331 ePKP	14 39.00	1.0
										EALH	120.41	330 ePKP	14 39.30	1.2
										KSR	120.72	248 ePKP	14 35.50	-3.8X
											1.0s	50.00nm		

LLAV	7.11	59	eP	16	41.10	-0.9
MGG	14.58	51	eP	18	20.00	0.9
DEG	15.02	50	eP	18	25.00	0.4
LPZ	23.46	168	P	19	55.70	-0.2
			i	20	29.10	
LPB	23.70	168	P	19	59.00	1.0
			(S)	20	36.00	
LHS	28.46	346	eP	20	41.84	0.9
MIAR	33.49	328	eP	21	24.07	-1.0
	0.6s		3.18nm			4.2mb
LSCT	34.72	360	eP	21	36.47	1.1
	0.5s		6.72nm			4.6mb
FVM	34.82	336	eP	21	36.21	-0.1
	0.6s		15.38nm			4.9mb
BINY	35.33	356	eP	21	41.67	1.1
	0.5s		13.06nm			4.9mb
TUL	35.71	327	iP	21	43.20	-0.6
YSNY	35.85	353	eP	21	45.88	0.9
	0.5s		13.03nm			4.9mb
WMOK	36.56	323	eP	21	49.86	-1.1
	0.6s		12.25nm			4.8mb
LTX	36.56	312	ePd	21	50.32	-0.8
			iPcP	24	11.75	
LBNH	37.29	1	eP	21	58.06	1.1
	0.5s		8.03nm			4.7mb
EMM	38.08	6	eP	22	04.64	1.1
MIM	38.43	4	eP	22	07.36	0.9
LMN	39.53	9	eP	22	16.50	0.9
CBM	40.19	5	iPd	22	23.37	1.4
	0.6s		44.69nm			5.3mb
ALQ	41.60	317	ePd	22	33.11	0.2
	0.4s		2.02nm			4.1mb
TUC	43.34	311	iPd	22	48.12	1.1
	0.8s		11.27nm			4.5mb
GOL	43.78	323	iPd	22	50.85	0.2
	0.5s		17.96nm			4.9mb
PV09	45.38	319	eP	23	03.36	-0.1
RSSD	46.01	329	eP	23	08.43	0.2
	0.5s		2.99nm			4.1mb
SRU	46.63	319	eP	23	12.91	-0.2
GLA	46.73	310	eP	23	14.18	0.3
JAQ	46.90	358	eP	23	14.50	-0.3
EMUT	47.20	320	eP	23	17.70	0.0
ULM	47.33	340	eP	23	20.00	1.8
MSU	47.39	318	iPd	23	19.55	0.4
DAU	47.82	320	eP	23	22.57	0.0
ARUT	47.88	316	eP	23	22.97	0.1
BW06	48.16	324	iPd	23	24.58	-0.5
	0.5s		2.57nm			4.1mb
PLM	48.41	309	eP	23	26.95	-0.1
DUG	48.70	319	ePc	23	29.01	-0.1
	0.4s		3.88nm			4.4mb
GSC	49.16	312	ePd	23	32.82	0.2
TPNV	49.46	314	eP	23	35.13	0.1
	0.8s		8.88nm			4.5mb
HVU	49.53	321	eP	23	35.35	-0.1
PTI	49.89	322	(P)	23	37.77	-0.4
HHAI	50.14	323	eP	23	39.73	-0.3
BONR	51.37	314	ePd	23	49.83	0.2
LRM	51.65	325	eP	23	51.10	-0.5
ORV	54.31	315	eP	24	10.58	-0.4
LGPM	55.78	316	eP	24	19.00	-2.7
DWP	56.07	325	iPd	24	22.80	-0.8
VGB	56.43	321	eP	24	25.66	-0.5
KMPM	56.50	315	eP	24	26.56	-0.2
FRB	56.91	2	eP	24	29.50	0.4
	0.5s		6.00nm			4.7mb
GMW	58.60	323	eP	24	39.67	-1.6
YKA	63.31	340	eP	25	11.60	-1.0
	0.6s		5.30nm			4.6mb
GEC2	82.74	42	P	27	06.90	0.7
	0.6s		0.33nm			3.3mb X
			eP	27	10.10	
			PcP</			

(PMR) .					
TRF	0.16	287	iP	46 19.40	-0.2
HUR	0.45	162	iP	46 24.44	-0.4
			eS	46 30.66	
KTH	0.46	289	iP	46 24.43	-0.7
			eS	46 30.95	
RND	0.49	89	eP	46 24.93	-0.7
			eS	46 31.54	
MCK	0.56	53	eP	46 26.92	0.0
BWN	0.80	15	eP	46 31.09	0.0
			eS	46 41.65	
CUT	1.01	189	iP	46 34.85	0.1
DHY	1.21	105	eP	46 37.61	-0.6
			eS	46 53.94	
NEA	1.24	18	eP	46 38.18	-0.4
			eS	46 53.94	
CCB	1.56	36	eP	46 42.81	-0.6
SKT	1.61	208	eP	46 44.35	0.3
			eS	47 06.16	
HDA	1.66	51	eP	46 45.27	0.5
MLY	1.67	348	eP	46 45.02	0.0
GHO	1.70	164	eP	46 45.58	0.0
MDM	1.73	25	eP	46 45.19	-0.7
			eS	47 08.96	
PWA	1.76	179	P	46 45.70	-0.5
SML	1.77	154	eP	46 45.78	-0.6
FBA	1.77	31	eP	46 45.37	-1.1
			eS	47 09.35	
PLRM	1.86	168	eP	46 47.36	-0.3
PMR	1.86	168	eP	46 46.80	-0.8
			eS	47 12.34	
IL1	1.92	43	eP	46 47.80	-0.8
			eS	47 14.84	
ILB	1.92	43	eP	46 47.85	-0.7
			eS	47 14.72	
GLM	1.94	34	eP	46 50.43	1.5
			eS	47 15.47	
SUA	1.98	191	eP	46 50.03	0.4
SCM	1.99	141	eP	46 49.94	0.3
DJE	2.00	70	eP	46 52.47	2.8
PAX	2.07	100	eP	46 52.75	1.9
			eS	47 19.09	
KNK	2.12	160	eP	46 52.22	0.8
			eS	47 19.65	
TOA	2.17	125	P	46 53.20	0.9
SDG	2.19	112	eP	46 53.05	0.5
NCG	2.26	208	eP	46 53.89	0.3
CGLM	2.31	206	eP	46 54.91	0.5
CRP	2.38	207	eP	46 55.02	-0.3
CP2	2.40	208	eP	46 56.01	0.3
CKN	2.43	207	P	46 58.70	2.8
BGL	2.43	209	P	46 58.20	2.2
SFU	2.44	205	eP	46 56.54	0.5
CFI	2.45	155	eP	46 57.51	1.4
CKL	2.48	208	P	46 58.70	2.0
TZL	2.49	121	P	47 00.60	3.9
BKG	2.58	206	eP	46 58.44	0.3
PTE	2.59	170	eP	46 59.31	1.2
PWL	2.66	163	eP	47 00.90	1.6
KLU	2.68	134	eP	47 00.72	1.2
NKA	2.74	193	P	47 04.00	3.7
TTA	2.79	263 (P)		47 01.94	0.8
VLZ	2.84	142	eP	47 02.29	0.6
PRP	2.86	40	eP	47 01.95	-0.2
SLKM	2.91	183	eP	47 03.42	0.7
MFA	2.94	174	eP	47 04.71	1.6
IM3	3.06	329	eP	47 03.78	-1.1
RDT	3.07	203	eP	47 07.19	2.2
DFR	3.10	206	eP	47 07.02	1.5</

26d 13h

DEPTH = 107.4 ± 30.4 km
GREECE (364)

AGG	0.32	327	iPg	15	41.00	0.1
			eSg	15	52.12	
LIT	1.35	358	ePb	15	50.16	-0.2
			eSb	16	08.30	
PAIG	1.46	36	ePb	15	51.72	0.1
			eSb	16	10.48	
IGT	1.90	295	iPb	15	57.05	-0.1
			eSb	16	20.60	
SOH	2.16	16	iPn	16	00.89	0.3
			eSn	16	27.04	
GRG	2.20	357	ePn	16	01.08	-0.1
FNA	2.22	336	ePn	16	01.44	0.0
			eSn	16	28.40	
KNT	2.42	6	ePn	16	04.08	0.1
			iSn	16	33.08	
SRS	2.49	18	ePn	16	04.64	-0.3
			eSn	16	33.72	
OHR	2.72	331	e(Pn)	16	08.30	0.3

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

% SEP 26, 1993 13h 38m 34.47 ± 0.94s
39.095 N ± 6.9km 27.582 E ± 11.7km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.7 (ISK).

Izm	0.74	200	ePg	38	49.00	0.0
			eSg	39	01.00	
EZN	1.22	307	iPn	38	57.40	0.3
EDC	1.27	10	ePn	38	58.40	0.4
KCT	1.30	27	iPn	38	58.70	0.2
KGT	1.37	351	iPn	38	59.20	-0.4
MFT	1.71	352	ePn	39	04.00	-0.5

S.D. = 0.5 on 6 of 6 obs.

% SEP 26, 1993 14h 12m 23.06 ± 0.88s
39.665 N ± 7.9km 29.503 E ± 8.3km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.7 (ISK).

ALT	0.77	142	ePg	12	38.10	-0.1
			eSg	12	49.10	
EYL	1.03	29	ePn	12	42.70	0.1
KCT	1.06	304	iPn	12	42.70	-0.3
HRT	1.16	6	ePn	12	44.70	-0.1
EDC	1.43	299	iPn	12	49.40	0.3

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

% SEP 26, 1993 14h 48m 58.56 ± 0.87s
39.759 N ± 8.6km 29.644 E ± 10.1km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.8 (ISK).

ALT	0.79	153	ePg	49	14.00	0.0
			eSg	49	25.60	
HRT	1.06	1	ePn	49	18.00	-0.6
KCT	1.10	297	ePn	49	18.70	-0.6
BNT	1.45	295	ePn	49	24.70	-0.1
EDC	1.49	294	ePn	49	25.40	0.1
CTT	1.67	327	ePn	49	29.20	1.3
MFT	2.08	300	ePn	49	34.00	0.0

S.D. = 0.8 on 7 of 7 obs.

? SEP 26, 1993 14h 59m 01.39 ± 0.95s
39.678 N ± 10.5km 29.449 E ± 11.5km
DEPTH = 10.0km (geophysicist)

TURKEY (366)
ML 2.8 (ISK).

ALT	0.81	140	ePg	59	17.10	0.0
			eSg	59	27.10	
HRT	1.15	8	ePn	59	23.00	0.0
BNT	1.36	300	ePn	59	26.70	0.4
EDC	1.39	299	ePn	59	26.40	-0.4

S.D. = 0.5 on 4 of 4 obs.

SEP 26, 1993 15h 02m 00.73 ± 0.53s
43.588 N ± 6.2km 16.900 E ± 6.3km
DEPTH = 5.0km (geophysicist)

NORTHWESTERN BALKAN REGION (383)
MD 3.2 (TRI).

HVAR	0.53	219	iPg	02	11.50	0.2
			iSg	02	20.80	
BRY	1.38	119	iPg	02	24.36	-2.4
			iSg	02	41.98	
HCY	1.63	134	iPg	02	29.21	-1.0
			iSg	02	50.49	
NKY	1.72	116	iPg	02	31.15	-0.4
			iSg	02	53.22	
PLE	1.83	97	iPg	02	33.89	0.6
			iSg	02	58.18	
BDV	1.92	132	iPnc	02	34.87	0.4
			iSn	02	59.69	
TTG	2.08	123	iPnd	02	36.99	0.3
			iSn	03	03.27	
VBY	2.25	329	iPn	02	39.60	0.5
			iSn	03	05.60	
IVA	2.30	107	iPnd	02	41.21	1.2
			iSn	03	09.04	
ZAG	2.32	344	e(Pn)	02	40.00	-0.2
			eSn	03	11.50	
ULC	2.37	132	iPnd	02	41.51	0.6
			iSn	03	10.24	
PTJ	2.41	344	iPn	02	41.00	-0.5
			iSn	03	14.70	
PVY	2.46	113	iPnd	02	43.19	0.9
			iSn	03	12.43	
CEY	2.78	321	e(Pn)	02	54.50	7.7X
			eSn	03	22.70	
LJU	2.98	326	e(Pn)	02	56.50	7.0X
			eSn	03	38.00	
TRI	3.08	315	e(Pn)	02	59.30	8.4X
			e(Pg)	03	02.70	
			e(Sn)	03	29.50	
			e(Sg)	03	37.70	
VOY	3.25	320	ePn	02	53.40	0.0
			eSn	03	33.70	
SKO	3.71	114	ePn	03	03.00	3.0X
OHR	3.80	129	ePn	03	13.00	11.7X
GEC2	5.71	338	Pn	03	26.40	-1.9X
			Sn	04	29.60	

S.D. = 1.0 on 14 of 20 obs.

% SEP 26, 1993 15h 45m 43.69 ± 0.82s
40.551 N ± 8.5km 23.712 E ± 12.9km
DEPTH = 10.0km (geophysicist)

GREECE (364)
ML 2.1 (THE).

OUR	0.30	136	ePg	45	49.74	-0.2
			eSg	45	54.34	
SOH	0.38	315	ePg	45	50.82	-0.8
			eSg	45	56.34	
SRS	0.57	351	ePg	45	55.46	0.1
			iSg	46	03.78	
PAIG	0.62	182	ePg	45	56.34	0.1
			eSg	46	05.58	
KNT	0.87	315	ePg	46	01.05	0.6
			eSg	46	11.70	

S.D. = 0.7 on 5 of 5 obs.

SEP 26, 1993 15h 59m 03.24 ± 0.17s
2.028 N ± 2.8km 126.473 E ± 5.4km
DEPTH = 14.3km (4 depth phases)
5.2mb (40 obs.) 4.2MsZ (2 obs.)

NORTHERN MOLUCCA SEA (266)

DAV	5.11	350	eP	00	21.00	-0.1
CTB	5.61	336	ePd	00	36.00	7.7X
BIP	6.16	358	eP	00	37.00	1.0
CGP	6.63	345	eP	00	50.00	7.4X
MAP	8.60	343	eP	01	14.00	3.8X
PLP	9.20	351	ePc	01	22.70	4.3X
PPR	10.88	315	ePd	01	45.00	3.4X
GQP	12.45	342	ePd	02	08.00	5.1X
BAG	15.42	338	eP	02	46.00	3.8X
MTN	15.48	163	eP	02	42.00	-0.8
KNA	17.81	173	iPc	03	13.10	0.8
	0.8s	95.00nm				5.0mb
LEM	20.77	245	iPc	03	51.00	4.4X
GUMO	21.51	57	eP	03	53.40	-0.6
PJG	21.51	57	eP	03	53.10	-0.9
GUA	21.53	57	eP	03	54.00	-0.1
WRA	23.16	161	P	04	09.80	-0.5
	0.7s	42.70nm				5.1mb
WR2	23.17	161	iPc	04	09.40	-1.0
	1.0s	115.10nm				5.4mb
		eScP	07	58.80		

			eS	08	22.70	
QIZ	23.47	317	P	04	14.40	1.1
MBL	23.94	195	eP	04	18.00	0.1
	0.4s	4.00nm				4.3mb
QIS	25.87	151	iPd	04	36.10	-0.3
ASPA	26.54	165	iPd	04	41.00	-1.5
	0.5s	35.10nm				5.3mb
			eS	09	16.00	
NANU	26.67	203	eP	04	44.00	0.3
CTA	29.32	139	eP	05	07.10	-0.6
	0.6s	112.00nm				5.8mb
SSE	29.34	351	Pd	05	08.50	0.8
Z	20s	0.50um				4.1MsZ
		eS	10	02.00		
MEEK	29.49	194	eP	05	09.00	-0.2
KHT	30.30	296	eP	05	17.00	0.5
WHN	30.60	339	Pc	05	23.00	4.0X
	1.0s	30.00nm				5.1mb
NJ2	30.71	347	Pc	05	21.00	1.0
GVA	30.86	324	Pc	05	19.00	-2.4
	1.0s	11.00nm				4.7mb
BDT	30.94	301	eP	05	23.50	1.4
CHTO	31.71	304	iPd	05	28.50	-0.4
	1.4s	32.69nm				5.1mb
		eSg	36	10.60		
KMI	32.42	317	Pd	05	35.00	-0.3
	1.6s	110.00nm				5.5mb
Z	25s	1.40um				4.6MsZ
		pP	05	39.00		14km
MRWA	32.65	197	eP	05	37.00	0.0
COOL	33.12	188	eP	05	41.00	-0.1
WKYJ	33.14	14	P	05	41.40	0.1
YONJ	33.63	10	P	05	45.70	0.3
BAL	33.76	195	eP	05	46.00	-0.6
KLB	34.44	193	eP	05	52.00	-0.5
TIA	35.10	347	eP	05	57.00	-1.1
MUN	35.19	195	eP	05	59.00	0.1
CHJJ	35.78	17	P	06	02.30	-1.6
XAN	35.82	335	P	06	02.40	-1.9
	1.0s	22.00nm				5.0mb
Z	20s	0.61um				4.4MsZ
		pP	06	12.40		34kmX
NWAO	35.85	193	eP	06	05.00	0.5
	0.6s	4.00nm				4.5mb
CD2	35.87	326	eP	06	03.40	-1.4
MAT	36.02	16	eP	06	04.00	-1.9
	1.5s	69.44nm				5.3mb
Z	21s	0.36um				4.1MsZ
		eS	11	15.00		
STK	36.65	158	iPd	06	09.90	-1.3
	0.9s	9.60nm				4.6mb
		iPP	07	28.00		
TIY	37.78	342	eP	06	20.40	-0.4
Z	15s	0.71um				4.6MsZ
YAMJ	38.06	17	eP	06	23.30	0.3
ADE	38.55	164	eP	06	27.30	0.1
BJI	38.98	347	eP	06	30.50	-0.2
	1.3s	22.00nm				4.7mb
Z	24s	0.32um				4.1MsZ
OFUJ	39.40	19	eP	06	34.70	0.5
SNY	39.71	357	Pc	06	36.60	-0.1
	1.4s	480.00nm				6.0mb
		pP	06	45.00		28kmX
LZH	39.84	331	iPd	06	38.80	0.7
	1.4s	110.00nm				5.4mb
Z	24s	0.91um				4.5MsZ
ARMA	40.21	145	iPc	06	40.60	-0.6
	0.4s	10.00nm				4.9mb
HHC	40.93	343	P	06	47.00	0.0
	1.0s	23.00nm				4.9mb
BTO	41.18	341	eP			

26d 16h

ASAJ	44.30	17	eP	07 14.70	0.4	AUW	0.87	30	eP	09 01.86	0.1	5.664 N \pm 3.8km		127.160 E \pm 8.1km
GTA	44.43	330	eP	07 14.00	-1.5	AGU	0.87	31	eP	09 02.14	0.4	DEPTH = 147.7 \pm 7.5 km		
	1.5s	26.00nm			4.9mb	AUH	0.87	31	eP	09 02.05	0.3	4.9mb (24 obs.)		
Z	26s	0.87um			4.6mszX	AUP	0.88	32	eP	09 01.76	-0.1	PHILIPPINE ISLANDS REGION		(248)
		pP		07 18.50	15km			eS		09 14.30				
		PcP		09 00.00		AUE	0.89	33	iP	09 02.24	0.2	BIP	2.70	341 iPd 40 06.50 -2.2
		ScS		17 11.00		AUL	0.89	30	eP	09 02.08	-0.1		iS	40 33.00
DZM	45.79	124	iPc	07 19.10	-7.5X	BGM	0.91	329	eP	09 01.42	-1.0	CTB	3.31	298 eP 40 19.00 2.4
HYB	49.47	291	eP	07 55.00	-0.4	SYI	1.01	90	eP	09 02.44	-1.9		iS	41 00.00
CIT	50.95	350	eP	08 08.00	1.8	PDB	1.18	3	eP	09 05.85	-1.3	CGP	3.70	319 iPc 40 22.80 1.2
ZAK	52.04	341	eP	08 12.70	-1.7	OPT	1.18	28	eP	09 06.70	-0.6		iS	40 51.00
	0.9s	10.00nm			4.7mb			eS		09 24.04		MAP	5.60	326 ePc 40 47.00 0.0
		e		09 26.50				eS		09 07.25	-2.1		eS	41 39.00
WMQ	53.97	326	P	08 23.60	-5.3X	KDC	1.30	131	eP	09 24.12		PLP	5.88	339 ePd 40 49.80 -0.9
	0.8s	19.00nm			5.2mb	INW	1.58	22	eP	09 12.82	-0.9	MTN	18.81	168 eP 43 34.50 -1.1
KSH	59.04	316	eP	09 05.00	-0.3	XLV	1.58	57	eP	09 12.91	-0.8	KNA	21.33	176 iPc 44 03.20 2.0
	0.7s	20.00nm			5.4mb	INE	1.58	23	eP	09 12.74	-1.1	WR2	26.42	165 iPd 44 47.60 -1.9
YAK	59.89	2	iPc	09 09.40	-1.2			eS		09 34.16			0.3s	25.20nm 5.3mb
	1.0s	80.00nm			5.8mb	ILIM	1.62	25	eP	09 14.12	-0.2		i	44 51.50
		e		17 20.00		HOM	1.73	52	eP	09 14.62	-1.2		iScP	50 20.70
FRU	61.45	319	eP	09 23.50	1.8	CNPM	1.83	59	eP	09 17.07	-0.3	QIS	28.78	155 iPd 45 09.00 -1.9
	2.0s	20.00nm			4.9mb	RED	1.97	23	eP	09 19.02	-0.4	TKSJ	28.89	12 P 45 12.10 0.4
ADK	68.51	34	eP	10 06.30	-0.8	RS2	2.01	23	eP	09 20.06	-0.1	WKYJ	29.47	14 P 45 17.20 0.3
	0.9s	11.46nm			5.0mb	RSO	2.01	23	P	09 17.20	-2.9	KHT	29.50	290 eP 45 17.30 0.0
CSY	69.12	187	P	10 12.10	1.5	RDW	2.02	22	eP	09 19.80	-0.5	ASPA	29.88	168 iPd 45 19.70 -0.9
TIK	69.52	1	eP	10 12.00	-0.9	REF	2.05	23	eP	09 20.47	-0.2		0.3s	13.70nm 5.2mb
	1.4s	33.00nm			5.3mb	NCT	2.07	19	eP	09 19.56	-1.4		iPcP	48 19.90
		e		10 20.00		DFR	2.15	22	eP	09 21.88	-0.1		eS	50 08.30
NRI	71.93	347	eP	10 26.00	-1.6	SVW	2.58	346	eP	09 26.41	-1.7	YONJ	29.95	10 P 45 21.30 0.3
	1.2s	14.00nm			4.9mb			eS		10 03.19		KMI	30.37	312 eP 45 25.00 -0.1
		e		10 49.00		BKG	2.67	22	eP	09 29.17	-0.3		1.6s	70.00nm 5.1mb
SVE	75.26	329	iPc	10 46.30	-1.0	CKL	2.77	20	eP	09 31.19	0.2	MAT	32.36	17 eP 45 41.00 -1.1
	1.1s	100.00nm			5.8mb	SPU	2.81	23	eP	09 31.35	-0.1		0.8s	3.73nm 4.2mb
ILT	75.50	19	iPc	10 48.40	0.0	SLKM	2.82	46	eP	09 31.75	0.2	MEEK	33.16	194 iPc 45 48.40 -0.8
	1.0s	60.00nm			5.6mb	BGL	2.83	19	eP	09 31.81	0.1	BJI	35.62	345 eP 46 10.00 0.1
ARU	76.20	328	iPc	10 51.20	-1.4	CP2	2.85	21	eP	09 31.55	-0.6		1.0s	11.00nm 4.6mb
	1.0s	60.00nm			5.6mb	CRP	2.87	21	eP	09 30.26	-2.1	MRWA	36.30	197 iPc 46 15.50 -0.3
		e		11 07.00		CGLM	2.94	22	eP	09 32.75	-0.5	COOL	36.79	189 iPc 46 19.20 -0.7
SDN	78.73	34	eP	11 06.15	-0.4	NCG	3.00	20	eP	09 34.11	0.0	LZH	37.08	328 Pc 46 23.50 1.0
	0.7s	72.67nm			5.8mb	MPA	3.14	51	eP	09 36.28	0.3		1.5s	53.00nm 5.1mb
MAW	82.08	200	iP	11 25.20	1.0	SUA	3.37	31	eP	09 39.65	0.2		sP	46 37.50
	0.6s	11.63nm			5.1mb	PTE	3.50	48	eP	09 41.12	0.0	BAL	37.43	195 iPc 46 25.00 -0.2
KDC	83.50	32	eP	11 32.90	1.2	PMR	3.95	39	eP	09 45.82	-1.7	KLK	38.12	193 iPc 46 30.80 -0.2
IMA	84.03	24	eP	11 35.90	1.4	TTA	4.41	350 (P)		09 51.59	-2.5	MRRJ	38.64	17 eP 46 36.60 1.5
	0.8s	41.30nm			5.7mb	KLU	5.10	52	eP	10 02.17	-1.7	MUN	38.86	195 iPc 46 37.50 0.3
PMR	85.55	29	eP	11 42.60	0.7	FBA	7.02	23	eP	10 27.66	-3.2	HOOJ	39.27	19 eP 46 42.50 2.1
	0.8s	47.20nm			5.7mb							NWAO	39.52	193 iPc 46 43.00 0.4
SOC	86.26	313	eP	11 46.00	0.2								0.4s	17.00nm 5.1mb
TOA	86.98	28	eP	11 50.10	1.0							STK	39.79	161 iPc 46 44.50 -0.3
OBN	88.28	325	ePd	11 55.00	-0.3								0.6s	13.30nm 4.9mb
	1.0s	32.00nm			5.6mb							KUSJ	40.38	20 eP 46 48.50 -1.0
		e		12 01.00								ASAJ	40.64	17 eP 46 53.00 1.3
INK	91.83	21	eP	12 12.00	0.3							ADE	41.85	166 eP 47 02.60 0.8
	1.0s	3.00nm			4.6mb	RTRS	2.12	193	iPc	31 45.00	-0.7	ARMA	42.86	148 iPc 47 10.30 0.3
KAP	92.98	332	iP	12 16.10	-1.0	CYA	2.76	98	iPc	31 55.50	0.5		0.7s	8.00nm 4.5mb
NUR	94.06	331	eP	12 15.20	-6.8X			S		32 31.50		BWA	44.64	155 iPc 47 25.50 1.2
UZH	97.82	320	eP	12 40.00	0.6			S		32 04.00	2.2		e	48 05.30
	1.2s	26.00nm			5.7mb	RTLL	3.24	173	ePd	32 04.00	-0.6	CAN	45.65	155 eP 47 32.80 0.5
RSSD	115.68	38	ePKPc	17 46.59	-0.7	ZON	3.44	177	iPd	32 04.00	-0.6		e	48 11.70
GOL	117.00	43	ePKP	17 50.17	0.1	CFA	3.54	171	e(P)	32 06.60	0.6	TOO	46.28	160 iPd 47 38.10 0.9
LTX	122.83	53	ePKP	18 00.60	-0.6			S		32 50.30			0.3s	17.00nm 5.2mb
UYO	127.33	43	iPKPc	18 10.20	0.6	SLA	4.54	43	eP	32 26.00	5.7X	ZAK	48.86	340 eP 47 56.00 -1.0
FVM	127.59	37	ePKP	18 09.86	-0.2	ANT	4.58	342	eP	32 20.70	-0.1		1.1s	8.00nm 4.4mb
MIAR	127.71	42	ePKP	18 10.89	0.5	MRA	5.11	148	ePc	32 26.40	-1.8		e	49 19.60
ELC	128.76	37	ePKP	18 12.25	0.0			S		32 43.60		HYB	48.90	288 eP 47 57.00 -0.8
LMN	131.29	10	ePKP	18 17.50	0.7			S				YAK	56.26	1 iPd 48 50.20 -1.4
MYNC	133.27	35	ePKP	18 21.16	0.2			S					0.9s	100.00nm 5.8mb
NAV	133.39	30	ePKP	18 21.33	0.2			S				FRU	59.23	317 (P) 49 12.00 -0.7
PRM	134.99	34	(PKP)	18 25.20	1.0			S				ADK	65.13	35 eP 49 51.14 -0.5
CNCB	159.55	137	PKP	19 06.00	1.9			S					0.8s	6.90nm 4.6mb
LFB	159.67	136	ePKP	19 07.00	2.9X			S				NRI	68.58	346 iPd 50 11.30 -1.8
LPZ	159.81	135	PKPc	19 05.80	1.3			S					1.0s	12.00nm 4.7mb
		i		20 26.90		PRY	0.56	179	eP	06 19.00	-0.4		e	50 45.00
		LR		15 11.00				S		06 25.00		ILT	71.86	19 iPc 50 32.40 -0.5
SIV	164.26	152	PKP	19 08.60	0.4	KSR	0.71	315	eP	06 22.00	-0.4	SVE	72.55	328 iPc 50 36.80 -0.3
		S.D. = 1.0	on 96 of 109 obs.					S		06 32.00			1.8s	60.00nm 5.0mb
-----						SLR	0.97	50	eP	06 26.90	-0.3	DHH	74.04	70 eP 50 47.15 0.7
& SEP 26, 1993 16h 08m 44.32s								S		06 39.00		SDN	75.35	34 eP 50 52.14 -1.2
58.618 N 154.318 W						SWZ	2.07	246	eP	06 45.00	0.8		0.5s	30.75nm 5.3mb
DEPTH = 0.0km								S		07 10.00		SVW	78.89	29 eP 51 13.18 0.3
ALASKA PENINSULA (12)						BFT	2.42	74	eP	06 49.90	0.6		0.6s	15.15nm 4.9mb
<AEIC>. ML 3.1 (AEIC).						BLF	2.95	202	eP	06 56.50	-0.3	TTA	78.99	27 ePc 51 13.73 0.3
								S		07 30.00			0.5s	2.37nm 4.2mb
CDD	0.47	48	iP	08 54.04	0.3			S				KDC	80.08	32 eP 51 19.80 0.6
		eS		09 01.62				S				IMA	80.45	24 eP 51 21.55 0.3
AUI	0.85	32	iP	09 01.52	0.1			S					0.5s	8.31nm 4.7mb
		eS		09 13.94				S				PMR	82.05	29 ePc 51 28.87 -0.5
-----						S.D. = 0.7 on 6 of 6 obs.								
& SEP 26, 1993 17h 39m 24.71s						SEP 26, 1993 17h 39m 24.71s 0.76s								

26d 17h

0.8s 24.20nm 5.0mb
 FBA 82.80 25 eP 51 32.45 -0.8
 0.4s 4.00nm 4.6mb
 TOA 83.47 28 eP 51 38.20 1.4
 KLU 83.59 29 eP 51 37.97 0.5
 OBN 85.72 325 ePd 51 48.00 -0.1
 1.5s 35.00nm 5.0mb
 INK 88.22 22 eP 52 00.00 0.1
 KAF 90.09 332 eP 52 08.90 0.1
 SPA 95.62 180 ePd 52 34.90 0.6
 1.0s 30.00nm 5.6mb
 HFS 96.51 332 eP 52 36.80 -1.5
 0.4s 1.40nm 4.7mb
 KIC 130.53 283 PKP 58 21.00 0.5
 TIC 130.73 284 PKP 58 21.00 0.1
 LIC 130.84 283 PKP 58 21.60 0.5
 Z 20s 0.63um 5.3msz
 CNCB 161.49 128 ePKP 59 12.00 1.8
 LPB 161.56 127 ePKP 59 14.00 3.9X
 LPAZ 161.67 126 ePKPc 59 13.10 2.6X
 S.D. = 1.0 on 62 of 64 obs.

% SEP 26, 1993 18h 00m 32.95± 2.47s
 38.748 N ±15.8km 26.682 E ±27.0km
 DEPTH = 10.0km (geophysicist)
 AEGEAN SEA (365)
 ML 2.8 (ISK).

IZM 0.57 127 eP 00 44.60 0.0
 eSg 00 53.60
 EZN 1.11 346 iPn 00 54.00 0.2
 KGT 1.77 16 ePn 01 03.60 -0.2
 BNT 1.87 30 ePn 01 05.70 0.4
 MFT 2.09 13 ePn 01 08.00 -0.5
 S.D. = 0.5 on 5 of 5 obs.

? SEP 26, 1993 18h 09m 49.88± 1.05s
 44.503 N ± 6.7km 7.324 E ±12.2km
 DEPTH = 10.0km (geophysicist)
 NORTHERN ITALY (545)
 ML 1.5 (GEN).

PZZ 0.16 271 P 09 53.68 0.0
 S 09 56.10
 STV 0.26 180 P 09 55.28 -0.1
 S 09 58.98
 ENR 0.29 166 P 09 56.01 0.1
 S 09 59.90
 BHB 0.34 353 P 09 56.92 0.0
 S 10 01.45
 S.D. = 0.2 on 4 of 4 obs.

? SEP 26, 1993 19h 22m 07.35± 1.21s
 11.681 N ±17.6km 144.371 E ±46.9km
 DEPTH = 33.0km (normal)
 4.4mb (2 obs.)
 SOUTH OF MARIANA ISLANDS (210)

GUA 1.92 16 eP 22 38.00 -0.3
 eS 23 00.70
 GUMO 1.96 14 eP 22 38.40 -0.4
 eS 23 01.10
 PJG 1.96 14 eP 22 38.30 -0.6
 SAPN 3.75 21 eP 23 03.80 -0.5
 e 23 06.20
 eS 23 46.90
 ANAT 4.81 15 e(P) 23 21.40 2.0
 MAT 25.37 348 eP 27 33.00 -0.2
 WR2 32.94 197 eP 28 41.20 0.0
 0.7s 1.90nm 4.1mb
 NEW 86.97 41 (P) 34 54.29 3.7X
 0.7s 2.80nm 4.6mb
 S.D. = 1.1 on 7 of 8 obs.

SEP 26, 1993 19h 47m 12.13± 0.65s
 26.336 S ± 6.0km 27.503 E ± 6.9km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 3.0 (PRE).

PRY 0.59 183 eP 47 23.50 -0.5
 S 47 30.60
 KSR 0.72 311 eP 47 26.90 0.4
 S 47 36.00
 BFS 0.85 229 eP 47 30.00 0.9
 S 47 40.00
 SLR 0.92 50 iPd 47 30.20 -0.1

S 47 42.00
 SWZ 2.12 246 eP 47 49.00 0.1
 S 48 15.00
 BFT 2.38 75 eP 47 53.90 1.3
 S 48 22.00
 BLF 3.00 203 iPd 48 00.50 -0.8
 S 48 38.00
 BUL 6.25 10 iPn 48 46.10 -1.3
 iSn 49 54.80
 iSg 50 24.50
 SUR 8.39 223 eP 49 14.00 -3.4X
 S 50 40.50

S.D. = 1.0 on 8 of 9 obs.

? SEP 26, 1993 20h 42m 49.69± 2.66s
 11.846 S ±71.7km 76.677 W ±30.2km
 DEPTH = 100.0km (geophysicist)
 CENTRAL PERU (116)

NNA 0.21 229 iPd 43 05.30 0.0
 0.5s 112.68nm
 eS 43 18.70
 ARE 6.81 133 eP 44 29.00 0.0
 LPAZ 9.39 119 Pc 45 04.80 0.2
 LPB 9.53 120 (P) 45 06.00 -0.3
 CNCB 9.76 121 eP 45 06.00 -3.5X
 S.D. = 0.4 on 4 of 5 obs.

* SEP 26, 1993 21h 25m 07.67± 1.03s
 10.073 N ±13.4km 138.621 E ±20.9km
 DEPTH = 33.0km (normal)
 4.6mb (7 obs.)
 WESTERN CAROLINE ISLANDS (209)

BAG 18.65 292 eP 29 24.90 -0.4
 PPR 19.60 271 ePd 29 37.00 0.7
 ASPA 33.85 188 eP 31 48.70 -0.7
 0.7s 3.40nm 4.4mb
 BJI 35.89 330 eP 32 07.00 0.3
 XAN 36.18 316 P 32 09.50 0.2
 1.2s 10.00nm 4.6mb
 pP 32 16.50 24kmX
 CD2 38.43 308 eP 32 29.70 1.4
 CHTO 39.32 287 iPd 32 35.60 -0.1
 0.9s 11.30nm 4.6mb
 LZH 40.79 315 eP 32 48.00 0.2
 1.5s 19.00nm 4.6mb
 STK 41.81 176 iPd 32 55.50 -0.5
 0.7s 2.80nm 4.1mb
 GTA 45.22 317 eP 33 24.50 0.7
 1.4s 12.00nm 4.6mb
 TOO 47.83 173 eP 33 45.50 1.3
 WMQ 55.31 317 P 34 38.20 -2.4
 0.8s 4.50nm 4.6mb
 HYB 58.61 284 eP 35 03.50 -0.8
 S.D. = 1.1 on 13 of 13 obs.

* SEP 26, 1993 22h 09m 51.71± 0.89s
 37.398 N ± 7.2km 23.180 E ±16.1km
 DEPTH = 31.0 ± 9.8 km
 SOUTHERN GREECE (368)
 ML 2.7 (ATH).

VLI 0.71 196 ePn 10 07.00 1.6
 ATH 0.71 36 ePn 10 08.00 2.5
 AGG 1.75 338 eP 10 21.38 0.9
 eS 10 44.86
 VAM 2.15 157 ePn 10 23.90 -2.2
 VLS 2.19 292 ePn 10 35.50 8.7X
 PAIG 2.56 9 iP 10 31.26 -0.6
 eS 11 03.30
 LIT 2.75 349 eP 10 34.42 -0.2
 eS 11 08.02
 OUR 3.00 12 iP 10 37.34 -0.8
 IGT 3.09 315 eP 10 38.85 -0.6
 SOH 3.42 2 eP 10 43.66 -0.6
 GRG 3.61 351 eP 10 46.18 -0.6
 SRS 3.73 5 eP 10 47.42 -1.1
 KNT 3.77 357 iP 10 48.74 -0.3
 eS 11 32.78
 S.D. = 1.5 on 12 of 13 obs.

% SEP 26, 1993 22h 42m 23.91± 1.60s
 37.866 N ±11.9km 27.391 E ±13.0km
 DEPTH = 5.0km (geophysicist)
 TURKEY (366)
 ML 3.5 (ISK).

IZM 0.54 349 iPg 42 34.30 -0.4
 iSg 42 42.30
 KHL 1.74 74 ePn 42 55.30 0.2
 EZN 2.13 337 ePn 43 00.60 0.1
 ELL 2.30 118 ePn 43 03.00 -0.2
 ALT 2.44 60 ePn 43 05.00 -0.2
 KCT 2.50 17 ePn 43 06.00 0.2
 EDC 2.50 8 ePn 43 05.50 -0.4
 BNT 2.52 9 ePn 43 06.50 0.3
 KGT 2.58 359 ePn 43 07.50 0.5
 S.D. = 0.4 on 9 of 9 obs.

SEP 26, 1993 23h 38m 33.19± 0.32s
 39.203 S ± 2.9km 174.943 E ± 3.3km
 DEPTH = 18.1 ± 3.6 km
 NORTH ISLAND, NEW ZEALAND (159)
 ML 3.9 (WEL).

CNZ 0.47 90 P 38 42.40 -0.3
 eS 38 49.40
 DRZ 0.49 99 P 38 42.70 -0.5
 NGZ 0.51 87 P 38 43.10 -0.4
 BSZ 0.60 181 Pc 38 44.50 -0.3
 MOZ 0.70 351 Pc 38 47.20 0.6
 eS 38 56.50
 NRZ 0.80 260 P 38 48.90 0.7
 WAHZ 1.20 115 eP 38 55.10 0.0
 UTU 1.42 44 eP 38 57.90 -0.2
 WLZ 1.43 21 P 38 58.50 0.3
 eS 39 16.70
 MNG 1.47 164 Pc 38 59.30 0.4
 eS 39 18.20
 KIW 1.66 181 P 39 01.60 0.0
 PGZ 1.75 145 eP 39 03.60 0.8
 DIW 1.78 206 eP 39 03.00 -0.3
 CAW 1.91 177 eP 39 05.40 0.2
 URZ 1.94 62 eP 39 05.50 -0.1
 MTW 2.00 168 eP 39 07.20 0.7
 MRW 2.04 185 P 39 07.20 0.2
 TCW 2.07 194 eP 39 07.30 -0.2
 BLW 2.20 170 eP 39 09.70 0.3
 QRZ 2.46 228 eP 39 12.20 -0.9
 NOZ 2.48 77 eP 39 13.90 0.5
 KUZ 2.53 14 eP 39 13.40 -0.6
 THZ 2.99 211 P 39 21.00 0.3
 LTZ 4.11 209 P 39 35.30 -1.2
 S.D. = 0.6 on 24 of 24 obs.

SEP 26, 1993 23h 47m 10.26± 0.33s
 31.148 S ± 8.5km 13.376 W ± 4.6km
 DEPTH = 10.0km (geophysicist)
 5.0mb (20 obs.)
 SOUTHERN MID-ATLANTIC RIDGE (410)

WIN 28.43 80 iPc 53 07.50 0.0
 0.9s 37.00nm 5.2mb
 SOB1 33.64 305 eP 53 49.20 -4.1X
 PPD 34.98 276 eP 54 01.60 -3.2X
 BAO 35.15 288 eP 54 06.80 0.4
 e 54 13.00
 i 54 17.20
 KSR 35.64 92 iPc 54 06.50 -4.1X
 1.0s 120.00nm 5.7mb
 SLR 36.87 92 iPd 54 20.40 -0.5
 1.5s 40.00nm 5.0mb
 LIC 38.01 14 P 54 30.23 -0.1
 1.3s 27.00nm 4.9mb
 KIC 38.20 14 P 54 31.79 -0.1
 1.4s 47.50nm 5.1mb
 BFT 38.39 93 eP 54 33.20 -0.6
 TIC 38.42 13 P 54 32.79 -1.0
 0.9s 10.00nm 4.5mb
 BUL 39.20 84 iPc 54 40.40 -0.1
 LSZ 41.07 77 iPc 54 56.80 0.8
 i 56 38.00
 KRI 41.52 80 iPc 54 40.40 -19.3X
 SIV 45.90 278 P 55 35.60 0.6
 SLA 46.14 264 ePd 55 38.00 1.0
 MOCB 47.55 269 P 55 48.70 0.2
 CCH 49.59 273 P 56 04.40 0.2
 CNCB 51.42 273 Pc 56 17.30 -1.2
 LPB 51.65 273 eP 56 19.00 -1.0
 1.0s 16.00nm 4.9mb
 Z 20s 0.71um 4.7msz
 eLR 12 20.00
 LPAZ 51.78 273 Pc 56 19.80 -1.5
 LSF 78.21 11 eP 59 11.50 0.2

26d 23h

TCF	1.0s	15.40nm	5.0mb	CNPM	1.28 120	iPc	00 33.90	-1.3	KEK	0.21 155	ePg	38 13.50	-0.8
	78.35	11 eP	59 12.50		1.4s	eS	00 54.54		SRN	0.25 96	iPg	38 12.60	-2.3
LPG	1.4s	18.30nm	5.0mb	BRLK	1.34 107	eP	00 34.97	-0.9			iSg	38 15.60	
	78.44	14 eP	59 13.30			eS	00 54.14		VLO	0.58 346	ePg	38 21.10	-0.3
LPL	1.3s	26.35nm	5.1mb	NCG	1.38 26	eP	00 35.78	-0.5			iSg	38 30.10	
	78.46	14 eP	59 13.20	SVW	1.43 312	eP	00 35.88	-0.9	IGT	0.63 126	ePg	38 21.92	-0.3
SMF	1.0s	16.60nm	5.1mb	SYI	1.66 161	eP	00 37.67	-1.5			eSg	38 31.44	
	78.98	12 eP	59 15.60			eS	01 00.52		LCI	1.39 288	P	38 33.70	-1.3
AVF	1.3s	23.10nm	5.1mb	SEW	1.99 90	eP	00 41.30	-1.7	TIR	1.45 6	iPnd	38 37.00	1.2
	79.03	12 eP	59 15.90	MPA	2.04 79	eP	00 41.90	-1.8			iSn	39 00.00	
SSF	1.2s	17.25nm	5.0mb	PWA	2.27 48	P	00 44.70	-1.8	OHR	1.48 35	iPn	38 36.50	0.3
	79.32	12 eP	59 17.40	PTE	2.28 71	eP	00 44.02	-2.5			i	38 38.00	
LBF	1.2s	19.65nm	5.0mb			eS	01 12.49				i	38 57.60	
	79.33	12 eP	59 17.10	KDC	2.49 168	eP	00 45.64	-3.5			Lg	39 01.50	
SKO	1.2s	12.20nm	4.8mb	PLRM	2.53 54	eP	00 47.39	-2.3	FNA	1.57 55	ePb	38 39.08	1.5
LOR	79.52	26 iP	59 18.30	PMR	2.53 54	(P)	00 48.62	-1.1			eSb	38 59.32	
	79.58	12 eP	59 18.60	PWL	2.60 73	eP	00 49.54	-1.1	KZN	1.65 75	ePb	38 38.50	-0.3
	1.3s	17.35nm	4.9mb			eS	01 19.11		LACI	1.73 1	ePn	38 40.00	0.2
Z	20s	0.10um	4.2MsZ	CUT	2.70 33	eP	00 50.45	-1.4			iSn	39 08.80	
BSF	80.68	14 eP	59 24.20	GHO	2.71 52	eP	00 49.27	-2.8	VLS	1.87 157	ePb	38 43.50	1.6
	1.0s	5.60nm	4.5mb	KNK	2.73 61	eP	00 49.56	-2.7	PHP	1.87 18	iPnc	38 41.30	-0.6
HAU	80.76	13 eP	59 24.70	CFI	2.96 68	eP	00 53.88	-1.2			iSn	39 08.30	
	1.3s	15.15nm	4.9mb	SML	2.97 54	eP	00 52.34	-3.0	BRT	2.13 298	P	38 46.09	0.5
GEC2	83.23	18 P	59 37.80	SCM	3.40 58	eP	00 58.44	-2.5	SDA	2.15 356	ePn	38 50.00	4.1X
	0.8s	1.17nm	4.2mb	HIN	3.45 83	eP	00 59.49	-2.1			iSn	39 27.50	
		e	59 39.70	KTH	3.59 18	eP	01 02.26	-1.2	LIT	2.17 84	iPn	38 48.02	1.8
GRF	83.40	16 eP	59 39.40	TRF	3.60 23	eP	01 02.37	-1.4			eSn	39 15.48	
	2.7s	244.00nm	5.9mb	VLZ	3.62 72	eP	01 01.34	-2.4	AGG	2.23 112	iPn	38 49.24	2.0
	Z 24s	0.05um	3.8MsZ	MID	3.65 99	P	01 04.80	0.6	GRG	2.33 62	ePn	38 50.08	1.5
		e	59 50.30	CVA	3.83 81	eP	01 04.53	-2.0			eSn	39 19.64	
ZST	83.58	20 iP	59 38.90	RND	3.90 32	eP	01 05.83	-1.7	SKO	2.46 32	iPn	38 50.30	0.0
SRO	83.60	21 eP	59 39.30	KLU	3.90 67	eP	01 04.77	-2.8			i	38 55.30	
PSZ	84.18	22 iPd	59 43.20	TOA	4.01 58	P	01 06.50	-2.5			iSn	39 18.00	
MLR	84.22	27 eP	59 43.50	SGAM	4.09 82	eP	01 07.83	-2.2			iSg	39 21.00	
CLL	85.33	16 eP	59 51.00	DHY	4.09 42	eP	01 07.88	-2.4			Lg	39 29.00	
SPC	85.41	21 eP	59 49.30	MCK	4.15 29	eP	01 09.66	-1.1	BCI	2.48 7	iPn	38 51.20	0.6
KSP	85.74	18 eP	59 51.00	TZL	4.31 61	eP	01 12.03	-0.8			iSn	39 23.20	
BGR	93.77	321 P	00 29.80	HMT	4.56 84	eP	01 16.27	-0.1	ORI	2.49 275	P	38 50.90	0.1
WRA	120.49	144 PKP	06 04.80	PAX	4.72 50	eP	01 16.45	-2.0	THE	2.62 73	ePn	38 52.44	-0.2
	0.8s	0.50nm		NEA	4.85 23	eP	01 18.34	-1.9			eSn	39 25.20	
INK	129.63	335 ePKP	06 20.00	GLB	4.87 71	eP	01 18.65	-1.9	GRI	2.75 248	P	38 54.54	0.0
	1.0s	3.00nm		MLY	5.02 13	eP	01 21.46	-1.1	KNT	2.75 62	ePn	38 54.68	0.1
	S.D. = 0.6	on 39 of 44 obs.		CCB	5.19 28	eP	01 22.18	-2.5			eSn	39 28.88	

& SEP 27, 1993 00h 00m 08.02s													
60.179 N 153.416 W													
DEPTH = 144.4km													
SOUTHERN ALASKA (2)													
<AEIC>.													
INW	0.18 128	iPc	00 27.07	0.7									
		eS	00 42.47										
INE	0.21 124	iPc	00 27.13	0.6									
		eS	00 42.77										
ILIM	0.25 113	iPc	00 27.06	0.6									
		eS	00 42.70										
RED	0.40 53	iPc	00 27.72	0.7									
		eS	00 43.25										
RDW	0.43 44	iPc	00 28.07	-0.8									
NCT	0.45 32	iPc	00 28.15	-0.7									
		eS	00 43.61										
REF	0.47 48	iPc	00 28.26	-0.8									
		eS	00 44.18										
OPT	0.54 170	iPc	00 28.38	-0.8									
		eS	00 44.33										
DFR	0.55 41	iPc	00 28.32	-1.0									
		eS	00 44.38										
PDB	0.55 225	iPc	00 28.24	-1.0									
		eS	00 44.06										
RDT	0.64 51	eP	00 28.98	-0.9									
AUL	0.80 181	eP	00 30.07	-0.8									
AUW	0.81 182	iPc	00 30.13	-0.8									
AUH	0.82 181	eP	00 30.15	-1.0									
AUP	0.82 180	eP	00 29.82	-1.3									
AGU	0.82 181	eP	00 30.44	-0.8									
AUE	0.82 178	iPc	00 30.01	-1.0									
AUI	0.85 180	eP	00 30.18	-1.1									
		eS	00 47.72										
HOM	1.03 120	eP	00 31.83	-1.0									
XLV	1.12 130	eP	00 32.06	-1.6									
CKL	1.15 27	eP	00 33.61	-0.4									
BGL	1.20 24	eP	00 34.28	-0.2									
SPU	1.21 33	eP	00 33.62	-0.9									
NKA	1.22 61	eP	00 35.10	0.6									
CDD	1.26 185	iPc	00 33.69	-1.3									
		eS	00 53.15										

SEP 27, 1993 00h 38m 09.65± 0.34s													
39.905 N ± 4.0km 19.680 E ± 3.0km													
DEPTH = 10.5 ± 2.5 km													
3.6mb (2 obs.)													
GREECE-ALBANIA BORDER REGION (392)													
MD 3.8 (ATH). ML 3.4 (THE),													
3.3 (TIR).													

TONGA ISLANDS (173)													
DZM	18.53 260	iPc	56 20.90	0.4									

27d 00h

URZ 19.97 201 P 56 34.10 -2.7
 NOZ 20.00 199 P 56 39.00 1.9
 MNG 22.64 201 eP 57 00.30 -3.6X
 QRZ 23.95 206 eP 57 16.10 -0.4
 THZ 24.59 204 eP 57 25.60 2.8X
 LTZ 25.70 204 eP 57 33.40 0.1
 WVZ 26.56 206 eP 57 42.70 1.6
 CTA 37.43 263 iPd 59 17.40 0.8
 0.4s 204.66nm 6.3mb X
 STK 41.59 244 eP 59 49.70 -1.2
 0.4s 5.60nm 4.6mb
 WR2 48.52 261 iPc 00 45.80 -0.8
 1.0s 17.40nm 5.0mb
 MBL 61.70 256 eP 02 22.50 0.4
 0.4s 6.00nm 5.1mb
 CLL 148.12 352 iPKP 12 03.40 18.6X
 BRG 148.41 351 iPKP 12 04.40 19.1X
 GRF 149.93 353 ePKP 12 08.50 20.8X
 GEC2 150.42 350 PKP 12 09.10 20.5X
 0.9s 1.55nm
 e 12 13.10
 e 12 17.30

S.D. = 1.5 on 10 of 16 obs.

* SEP 27, 1993 01h 32m 44.23± 0.95s
 0.102 N ±18.1km 16.613 W ±12.6km
 DEPTH = 10.0km (geophysicist)
 4.6mb (8 obs.)

NORTH OF ASCENSION ISLAND (407)

LIC 13.06 62 P 35 50.81 -1.8
 1.3s 17.50nm 5.1mb
 Z 20s 3.63um
 TIC 13.27 60 P 35 51.65 -3.7X
 0.6s 2.50nm 4.4mb
 KIC 13.38 62 P 35 56.13 -0.7
 0.8s 12.00nm 5.0mb
 SIV 46.69 248 P 41 14.50 -0.9
 BUL 48.61 117 iP 41 31.90 1.3
 LPG 49.69 21 eP 41 40.60 1.9
 1.2s 10.70nm 4.7mb
 LPL 49.70 21 eP 41 40.60 1.9
 1.0s 6.80nm 4.6mb
 LPAZ 53.34 250 Pd 42 04.60 -2.5X
 LR 57 44.00
 LPB 53.36 249 eP 41 58.00 -9.0X
 GRF 54.86 22 eP 42 13.40 -3.6X
 Z 20s 0.10um 3.9msz
 GEC2 55.14 24 P 42 19.20 0.0
 0.7s 1.80nm 4.2mb
 e 42 21.70
 e 42 25.60
 e 44 17.20
 e 44 20.90
 e 44 23.50
 e 44 27.30
 ZST 56.09 27 eP 42 26.00 0.1
 SPC 58.25 28 eP 42 41.50 0.1
 LMN 62.15 324 eP 43 07.00 -1.0
 HFS 64.30 16 eP 43 21.00 -0.9
 0.4s 1.10nm 4.4mb
 Z 16s 0.05um 3.8mszX
 LR 08 12.00
 NB2 64.41 15 P 43 22.40 -0.3
 0.9s 3.20nm 4.5mb
 KAF 69.76 20 eP 43 56.60 0.2
 DAG 76.59 359 eP 44 37.50 1.4X
 S.D. = 1.2 on 13 of 18 obs.

SEP 27, 1993 01h 34m 33.13± 0.29s
 42.222 N ± 2.2km 122.127 W ± 4.6km
 DEPTH = 5.0km (geophysicist)

OREGON (32)
 ML 3.4 (GS), 3.3 (BRK). Felt at
 Klamath Falls.

LHEM 0.60 187 P 34 45.29 0.2
 YBH 0.66 222 ePc 34 46.30 0.0
 iS 34 56.30
 LGMM 0.66 161 P 34 46.14 -0.2
 LMPM 0.73 182 P 34 47.68 -0.1
 LASM 0.75 146 P 34 46.75 -1.3
 BBOR 0.78 329 P 34 47.55 -1.3
 S 34 59.69
 LGBM 0.88 183 P 34 50.27 -0.4
 LBFM 0.89 168 ePc 34 50.27 -0.8
 eS 35 02.46

LBKM 1.21 200 P 34 55.74 -0.4
 DBO 1.22 318 P 34 55.66 -0.6
 S 35 13.79
 KSXM 1.36 254 P 34 59.10 0.3
 KOMM 1.37 227 P 34 59.24 0.3
 LGPM 1.41 202 eP 34 58.61 -1.0
 HSO 1.48 332 P 34 59.47 -1.1
 S 35 20.28
 HBO 1.63 355 P 35 02.40 -0.3
 NCOR 1.65 26 P 35 02.05 -1.0
 WDC 1.67 191 eP 35 03.10 -0.1
 LMEM 1.73 166 eP 35 04.55 0.3
 LCFM 1.79 165 P 35 06.11 0.9
 LRDM 1.83 164 P 35 06.21 0.7
 MIN 1.92 168 eP 35 08.97 2.1
 eS 35 32.70
 TCO 1.92 11 P 35 06.94 -0.1
 FHC 1.99 225 (P) 35 11.90 4.1X
 RNO 2.06 326 P 35 09.93 1.0
 FBO 2.11 351 P 35 10.27 0.6
 KMPM 2.35 220 eP 35 12.94 -0.1
 BPO 2.45 7 P 35 15.77 1.2
 MPOR 2.51 336 P 35 16.38 1.1
 VIPM 2.54 25 P 35 16.20 0.4
 SSOR 2.64 355 P 35 17.05 -0.2
 ORV 2.71 170 eP 35 20.96 2.9X
 VBEM 2.86 8 P 35 23.19 2.7X
 GT2 2.93 358 P 35 23.65 2.3X
 VGB 3.43 16 (P) 35 34.07 5.6X
 CMB 4.39 162 (P) 35 47.64 5.6X
 BONR 5.17 144 eP 35 53.16 -0.2
 S.D. = 0.8 on 30 of 36 obs.

* SEP 27, 1993 02h 15m 59.72± 1.95s
 37.875 N ±12.8km 27.216 E ±16.6km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)

ML 3.4 (ISK).

IZM 0.52 4 iPg 16 09.50 -0.8
 iSg 16 15.50
 KHL 1.87 75 ePn 16 32.00 -0.2
 EZN 2.07 341 ePn 16 34.70 -0.2
 ELL 2.42 117 ePn 16 40.00 -0.1
 EDC 2.52 11 ePn 16 41.00 -0.3
 KCT 2.53 20 ePn 16 42.50 1.0
 BNT 2.54 12 ePn 16 42.50 0.9
 EYL 3.53 39 ePn 16 55.50 -0.2
 S.D. = 0.7 on 8 of 8 obs.

? SEP 27, 1993 03h 07m 44.20± 3.68s
 37.727 S ±22.9km 176.548 E ±12.4km
 DEPTH = 233.0 ± 28.9 km

NORTH ISLAND, NEW ZEALAND (159)

URZ 0.69 140 Pc 08 15.10 -0.8
 S 08 33.10
 WLZ 0.77 259 P 08 16.40 0.0
 PAHZ 1.20 161 eP 08 18.50 -0.5
 PUZ 1.40 105 P 08 20.90 0.5
 S 08 42.00
 NGZ 1.63 207 P 08 22.90 0.5
 CNZ 1.67 208 P 08 23.00 0.3
 WAHZ 1.97 184 P 08 25.60 0.2
 TEHZ 2.27 175 P 08 28.80 0.6
 MNG 3.00 196 Pc 08 36.20 0.1
 S 09 10.00
 KIW 3.38 202 P 08 39.90 -0.5
 MTW 3.52 193 P 08 41.80 -0.2
 CAW 3.57 198 P 08 42.30 -0.3
 DIW 3.69 213 P 08 44.40 0.4
 MRW 3.78 202 P 08 44.90 -0.2
 eS 09 25.90
 TCW 3.90 206 P 08 46.30 -0.2
 S.D. = 0.5 on 15 of 15 obs.

* SEP 27, 1993 03h 57m 01.32± 1.42s
 23.307 S ± 8.7km 70.404 W ±22.4km
 DEPTH = 33.0km (normal)
 5.0mb (1 obs.)

NEAR COAST OF NORTHERN CHILE (122)

Felt (II) at Antofagasta.

ANT 0.40 181 iPc 57 10.40 0.0
 iS 57 17.50
 SLA 4.71 108 eP 58 12.00 0.0
 CNCB 6.85 20 eP 58 43.00 0.4

LPB 7.08 18 eP 58 47.00 1.3
 0.9s 16.81nm 5.0mb
 CCH 7.12 35 P 58 50.20 3.9X
 LPAZ 7.30 17 Pc 58 47.40 -1.6
 i 58 54.70
 i 59 08.60

S.D. = 1.5 on 5 of 6 obs.

? SEP 27, 1993 04h 11m 15.50± 2.32s
 5.917 S ±22.0km 130.580 E ±18.4km
 DEPTH = 104.0 ± 19.7 km
 4.6mb (2 obs.)

BANDA SEA (280)

SLKI 2.17 161 iPc 12 10.00 19.0X
 TLE 2.18 83 iPc 11 50.90 -0.1
 iS 12 12.90
 MTN 6.91 176 eP 12 56.40 0.6
 iS 14 12.00
 KNA 9.93 190 iPd 13 37.20 0.3
 iS 15 23.80
 WR2 14.42 166 eP 14 31.30 -4.7X
 i 14 39.70
 eS 17 04.20
 QIS 16.99 150 eP 15 07.50 -0.6
 eS 17 58.00
 ASPA 17.93 170 iPd 15 18.90 -0.9
 eS 18 29.00
 MBL 18.39 213 eP 15 25.00 -0.2
 0.3s 4.00nm 4.2mb
 eS 18 16.50
 CTA 20.75 134 eP 15 50.80 0.9
 0.7s 68.15nm 5.1mb
 GUA 24.00 36 eP 16 57.70 35.9X
 GUMO 24.02 36 eP 16 57.20 35.3X
 PJG 24.02 36 eP 16 57.10 35.2X
 S.D. = 0.9 on 7 of 12 obs.

SEP 27, 1993 04h 20m 48.91± 0.30s
 8.413 S ± 5.3km 121.739 E ± 8.5km
 DEPTH = 33.0km (normal)
 5.2mb (21 obs.)

FLORES REGION, INDONESIA (286)

MKS 3.89 324 iPc 21 48.70 0.8
 KNA 10.02 137 eP 23 12.90 -0.8
 eS 25 04.00
 MTN 10.23 116 eP 23 17.00 0.5
 iS 25 11.00
 MBL 12.81 188 eP 23 45.50 -5.9X
 0.3s 6.00nm 5.2mb
 eS 25 59.50
 NANU 15.28 202 eP 24 18.00 -5.9X
 eS 26 56.00
 WR2 16.76 135 eP 24 39.40 -3.5X
 e 24 44.60
 eS 27 39.60
 ASPA 19.13 144 iPc 25 12.10 0.0
 Z 22s 0.60um
 eS 28 39.10
 QIS 21.07 127 iPd 28 33.60 0.8
 MRWA 21.39 194 iPc 25 35.50 -0.5
 0.6s 35.00nm 4.9mb
 e 29 21.00
 BAL 22.58 191 iPd 25 47.50 -0.3
 1.0s 94.00nm 5.2mb
 MUN 24.01 192 eP 26 01.00 -0.7
 1.4s 83.00nm 5.1mb
 NWA0 24.75 189 eP 26 09.00 0.1
 0.8s 22.00nm 4.8mb
 NST 32.10 318 eP 27 15.00 -0.5
 BDT 33.99 319 eP 27 32.00 0.2
 0.8s 46.70nm 5.5mb
 CHTO 35.18 320 ePc 27 42.00 -0.1
 1.0s 27.50nm 5.1mb
 TOO 36.12 147 iPd 27 52.10 2.2X
 0.8s 39.00nm 5.4mb
 GYA 37.63 338 iPc 28 03.00 0.2
 1.2s 43.00nm 5.2mb
 KMI 38.13 331 Pd 28 08.50 1.4
 1.6s 140.00nm 5.6mb
 WHN 39.38 350 P 28 18.50 1.3
 1.5s 80.00nm 5.3mb
 NJ2 40.33 356 Pc 28 26.00 1.0
 CD2 42.73 337 eP 28 44.30 -0.6
 0.9s 91.00nm 5.5mb

			sP	48	41.50	
			PP	48	46.50	
			S	52	08.00	
PGP	19.96	214	eP	48	32.00	4.5X
BTO	20.46	305	P	48	31.00	-1.7
	1.0s		150.00nm			5.3mb
N	14s		3.23um			
E	13s		1.56um			
			pP	48	38.00	26kMx
PLP	20.52	200	ePc	48	34.20	0.9
GUMO	20.67	143	eP	48	35.80	0.9
	1.4s		458.90nm			5.6mb
PJG	20.67	143	eP	48	35.80	0.9
GUA	20.74	143	eP	48	35.20	-0.4
	0.7s		383.56nm			5.9mb
MAP	21.62	202	eP	48	47.00	2.5
GYA	22.73	266	iPc	48	54.00	-1.6
	1.0s		330.00nm			5.8mb
Z	16s		6.76um			5.2MsZX
N	16s		7.03um			
E	16s		1.86um			
			pP	49	08.00	59kMx
			S	52	58.00	
			sS	53	10.00	
QIZ	23.26	245	Pc	49	01.60	1.0
	0.8s		54.00nm			5.1mb
N	15s		3.26um			
E	16s		3.22um			
LZH	24.18	290	Pc	49	08.50	-1.1
	1.8s		330.00nm			5.6mb
Z	16s		9.81um			5.4MsZX
E	13s		5.34um			
			sP	49	23.00	
			PP	49	41.00	

CDZ	24.54	199	eP	49	45.00	6.0mb
	1.0s					
Z	19s					5.2MsZ
N	15s					
			PP	49	42.80	
			eS	53	22.00	
			sS	53	35.00	
CTB	24.51	199	eP	49	16.00	3.2X
CIT	25.30	333	eP	49	20.00	-0.1
KMI	26.51	265	Pc	49	30.00	-1.7
	1.2s					5.4mb
		140.00nm				
Z	15s					5.4MsZx
		9.10um				
N	14s					
		4.40um				
E	14s					
		5.80um				
			PP	49	45.00	63kmX
			S	54	06.00	
			sS	54	20.00	
GTA	27.73	297	eP	49	40.00	-2.7
	0.8s					5.1mb
		35.00nm				
Z	22s					5.1MsZ
		5.86um				
N	20s					
		11.10um				
			PP	49	47.50	26kmX
			sP	49	51.00	
			PP	50	26.00	
			eS	54	16.00	
ZAK	29.17	321	eP	49	53.00	-2.3
	1.2s					4.9mb
		34.00nm				

	N	14s	7.99um			
	E	14s	7.39um			
PET			eS	54	43.00	
		29.51	33 iPc	49	58.00	-0.3
		1.0s	70.00nm			5.3mb
Z		18s	3.00um			5.0Msz
N		18s	3.30um			
E		18s	2.50um			
			e	50	12.00	56kmX
			e	50	50.00	
			eS	54	52.00	
IRK		29.68	325 eP	49	54.00	-5.9X
						5.3MszX
Z		14s	4.99um			
N		13s	1.83um			
E		14s	4.16um			
			eS	54	55.00	
LOE		30.63	251 eP	50	08.00	-0.6
YAK		31.39	358 ePd	50	15.10	0.3
		1.5s	66.00nm			5.2mb
		Z	15s	6.70um		5.4MszX
		N	16s	5.90um		
		E	16s	2.50um		
			e	50	22.00	24kmX

27d 04h

CHTO	32.24	256	iS	55	16.00		SVW	55.16	34	ePd	53	25.67	-0.8		KER	69.69	298	e	08	37.00					
	0.8s		ePd	50	22.20	-0.6		1.0s	124.45nm				5.9mb		KAF	70.27	331	eP	55	03.00	-0.8				
			eS	55	34.00		IMA	56.00	28	eP	53	30.73	-1.8			0.8s	63.10nm			55	05.80	-0.8			
NST	32.84	250	eP	50	27.80	-0.1	ARU	56.09	320	ePd	53	32.00	-1.1		RES	70.53	12	eP	55	08.00	-0.1				
KHT	34.57	250	eP	50	43.80	0.9		1.5s	80.00nm				5.5mb		SOC	71.19	310	eP	55	12.00	-0.5				
NNT	34.89	246	iPc	50	46.60	0.9	Z	14s	6.00um				5.8MsZ		DAG	71.30	353	eP	55	12.50	-0.2				
LSA	35.29	279	P	50	48.80	-0.8	N	15s	1.50um						NUR	71.75	330	iP	55	15.30	-0.3				
Z	16s		2.73um			5.1MsZ	E	14s	4.50um							0.8s	33.60nm					5.4mb			
N	18s		2.02um						e	53	43.00	37km		Z	17s	3.00um						5.6MsZ			
E	16s		2.92um						e	01	28.00					eS	04	32.00							
			S	56	20.50		AUP	56.34	36	eP	53	33.32	-1.7			LR	30	40.00							
WMQ	37.28	303	Pd	51	05.00	-0.8	CRP	56.83	34	eP	53	37.82	-0.8		YKA	73.05	26	eP	55	22.20	-1.0				
	1.4s		100.00nm			5.5mb	KDC	56.97	38	eP	53	37.38	-2.0			0.9s	23.60nm					5.2mb			
Z	18s		9.48um			5.6MsZ		1.0s	50.66nm				5.5mb	MNK	73.67	323	eP	55	23.00	-4.0X					
N	14s		1.30um				PMR	58.25	33	ePc	53	45.43	-2.8		Z	18s	3.70um					5.7MsZ			
E	17s		6.97um					1.1s	154.88nm				6.0mb			eS	04	52.00							
			pP	51	10.50	18kmX	Z	21s	0.88um				4.8MsZ	UPP	75.05	332	iP	55	33.90	-0.9					
			sP	51	13.80				epP	53	58.11	45km				1.0s	100.00nm					5.7mb			
KVG	37.58	148	eP	51	07.80	-0.5	FBA	58.50	30	eP	53	48.73	-1.3			i	55	34.80				3kmX			
SMY	37.58	42	e(P)	51	08.30	0.3		0.7s	20.76nm				5.3mb			i	55	45.20							
GUN	40.21	278	P	51	30.20	-0.5	BKM	59.31	139	iPc	54	08.00	11.8X			iS	05	06.00							
KKN	40.75	278	P	51	34.20	-0.8	MAIO	59.53	297	eP	53	58.00	0.4		GAZ	75.73	305	eP	55	39.30	0.2				
DMN	40.95	278	P	51	36.20	-0.4			eS	02	08.00			KAS	76.11	310	iPd	55	42.80	1.4					
TIK	41.05	358	eP	51	38.00	1.5	TOA	59.57	33	eP	53	57.10	-0.5		STW	76.38	42	P	55	42.73	0.1				
	1.4s		53.00nm			5.1mb	KLU	59.78	33	eP	53	57.36	-1.7		KIS	76.40	317	eP	55	44.00	1.3				
			i	51	50.00	44km	ASH	59.92	299	eP	53	59.00	-1.1		Z	17s	3.60um					5.8MsZ			
			iS	57	49.00		MRWA	61.51	196	eP	54	10.50	-0.5		N	17s	0.60um								
			i	58	06.00			0.7s	13.00nm				5.2mb	E	17s	3.20um									
MTN	43.28	181	eP	51	54.80	-0.6	BALM	61.57	33	eP	54	09.36	-1.9			e	55	58.00				49kmX			
KSH	46.14	297	P	52	19.20	0.9	DZM	61.94	144	iPc	54	13.20	-1.0			eS	05	25.00							
	0.6s		30.00nm			5.4mb	HON	62.62	80	P	54	30.00	11.4X			ePS	05	50.00							
Z	20s		6.00um			5.5MsZ	Z	21s	1.23um				5.0MsZ	HFS	76.45	333	eP	55	41.70	-1.1					
N	17s		11.00um				STK	62.86	171	eP	54	18.60	-1.3			0.5s	7.70nm					5.0mb			
E	17s		8.66um					0.6s	31.30nm				5.6mb	MCW	76.59	41	P	55	43.86	0.0					
			sP	52	34.00		INK	63.45	24	ePc	54	24.50	1.0		NB2	76.81	335	P	55	44.40	-0.5				
			PcP	53	48.00			0.6s	27.00nm				5.5mb			0.9s	32.20nm					5.3mb			
			PcS	57	41.00		ARMA	63.53	161	eP	54	22.10	-2.4		MOL	77.08	337	eP	55	46.57	0.3				
			ScS	02	08.00			0.9s	22.00nm				5.3mb	GMW	77.21	42	eP	55	46.95	-0.3					
KNA	46.27	184	eP	52	19.80	0.5	MUN	64.11	195	eP	54	38.00	9.8X		JCW	77.36	41	P	55	47.82	-0.3				
FRU	46.81	302	iPd	52	24.00	0.5	NWAO	64.81	194	eP	54	32.00	-0.7		BMW	77.51	43	P	55	48.98	0.0				
	1.5s		120.00nm			5.6mb			e	54	43.00	36km		LVV	77.67	321	eP	55	51.00	1.3					
ILT	46.92	23	iPc	52	22.00	-1.9	BAK	65.37	304	eP	54	42.00	5.7X				e	56	04.00			44km			
	1.0s		220.00nm			6.1mb	SIT	66.16	37	P	54	50.00	8.9X				eS	05	42.00						
Z	18s		1.90um			5.1MsZ	Z	19s	1.20um				5.1MsZ				ePS	05	57.00						
N	16s		1.00um				BWA	66.55	165	iPc	54	44.20	0.3				eSS	10	41.00						
E	18s		1.20um						i	54	55.70	38km		KMOR	77.79	44	P	55	51.26	0.7					
			iS	52	40.00	72kmX	GRO	67.28	308	eP	54	48.00	-0.5		RMW	77.82	42	eP	55	50.70	0.0				
			iSS	02	16.00			1.0s	110.00nm				5.9mb	LON	78.19	42	P	55	52.19	-0.6					
NDI	47.34	282	eP	52	26.50	-1.3			i	55	04.00	58kmX		SHW	78.24	43	eP	55	53.43	0.3					
			eS	59	25.00		CAN	67.54	165	eP	54	50.10	-0.1		BHL	78.40	302	P	55	55.00	0.8				
HYB	50.24	268	eP	52	56.00	5.6X			e	55	02.20	41km				S	05	50.00							
			eS	00	06.00		CNB	67.62	165	eP	54	49.00	-1.7		RNO	78.54	46	P	55	55.18	0.5				
WRA	50.38	177	P	52	50.50	-0.6	MOS	67.64	322	eP	54	50.00	-0.5		ASR	78.64	43	P	55	54.89	-0.4				
	0.8s		11.60nm			4.9mb		1.9s	240.00nm				5.9mb	WTV	78.74	41	P	55	54.98	-0.8					
WRA	50.38	177	P	53	08.89	17.8X	Z	15s	3.80um				5.7MsZ	SSOR	78.82	44	P	55	56.72	0.4					
ANM	50.98	30	eP	52	54.99	-0.3	N	13s	3.20um					EBG	78.82	42	P	55	56.01	-0.2					
QIS	51.45	171	eP	52	58.10	-1.2	E	13s	2.70um					SAW	79.05	41	P	55	56.62	-0.8					
			i	53	10.40	44km			e	55	01.00	36km		BSD	79.10	329	iPc	55	58.00	0.6					
CTA	52.27	163	iPd	53	04.60	-0.9			eS	04	46.00					0.8s	43.00nm					5.5mb			
	0.9s		274.79nm			6.2mb	SDF	67.78	336	eP	54	51.00	-0.3		VBEM	79.23	44	P	55	58.50	-0.1				
			i	53	16.20	41km	OBN	68.42	322	iPc	54	54.00	-1.4		BUC	79.42	316	eP	56	00.00	0.6				
			eS	00	21.00			1.5s	161.00nm				5.9mb	VGB	79.46	43	eP	55	59.47	-0.2					
CTA	52.27	163	P	53	08.89	3.4X	Z	18s	3.60um				5.6MsZ	WAH2	79.49	42	P	55	59.51	-0.2					
SDN	52.70	42	eP	53	05.30	-3.1X	N	20s	0.80um					DPW	79.63	40	P	56	00.13	-0.4					
GBA	52.92	264	Pd	53	11.50	1.0	E	16s	1.90um					CROR	79.63	44	P	56	00.88	0.2					
	0.6s		17.00nm			5.2mb			i	55	06.00	41km		ALT	79.69	309	eP	56	00.20	-0.9					
POO	53.82	271	iP	53	19.50	2.3			i	55	15.00			OJC	79.70	323	ePd	56	00.90	0.1					
ASPA	54.06	178	iPKPd	53	17.40	-1.3			e	04	50.00					1.0s	111.00nm					5.8mb			
			i	53	27.40	33km	MTA	68.49	306	eP	54	56.00	-0.1		Z	16s	5.10um					6.0MsZ			
			ePP	55	15.20		PYA	68.79	309	iPc	54	58.00	0.0				i	56	01.90				3kmX		
			eSKS	00	51.50			1.5s	130.00nm				5.7mb				i	56	12.30						
KOD	54.54	260	eP	53	23.00	0.2	Z	18s	3.00um				5.6MsZ				eS	06	06.00						
BOM	54.56	272	eP	53	21.00	-1.6	TAB	68.80	302	eP	54	58.00	-0.3		NEW	80.00	39	ePd	56	01.74	-0.8				
			eS	01	06.00		TOO	69.04	169	iPc</															

LBFM	81.06	47	eP	56	07.76	-0.7	MRCM	85.29	49	ePc	56	30.15	-0.1	AVF	90.11	328	eP	56	52.40	-0.5	
WDC	81.06	48	eP	56	07.84	-0.4	FUR	85.33	325	eP	56	32.10	2.1		0.9s		27.35nm		5.5mb		
	1.4s		51.31nm			5.3mb		Z	16s		4.00um		5.9MsZ	GLA	90.44	51	eP	56	54.70	-0.1	
	Z	20s	0.54um			4.9MsZ	VOY	85.39	322	eP	56	30.50	0.1	BGF	90.51	328	eP	56	54.50	-0.3	
KSP	81.10	325	eP	56	08.50	0.3	MTUM	85.43	49	ePc	56	30.60	-0.3		1.3s		36.80nm		5.6mb		
	1.2s		99.00nm			5.7mb				eP	56	32.00	1.6	PV09	90.60	43	eP	56	55.81	0.0	
			i	56	19.50	36km	EL0	85.45	337	eP	56	32.00	1.6	PV10	90.73	44	ePd	56	56.57	0.2	
ALN	81.36	313	eP	56	10.50	0.8	EBH	85.56	337	eP	56	31.80	0.9				eP	57	08.98	40km	
VRAC	81.90	323	iPd	56	14.30	1.9	HHAI	85.64	41	ePc	56	33.13	1.4	GRR	90.75	331	eP	56	56.00	0.1	
	1.1s		101.50nm			5.8mb	BCH	85.67	51	eP	56	31.36	-0.6		1.1s		22.95nm		5.4mb		
			e	56	24.40	32km	TRI	85.67	322	eP	56	32.80	1.2		PV08	90.83	43	eP	56	57.06	0.1
SRO	81.92	321	iP	56	14.10	1.6				e	07	04.00		MAF	90.89	328	eP	56	56.80	0.2	
BRG	82.24	326	iP	56	15.90	1.8	WTTA	85.75	324	iPc	56	34.00	1.7		1.3s		54.15nm		5.8mb		
	1.3s		22.00nm			5.0mb		1.3s		37.00nm		5.4mb	TCF	91.01	328	eP	56	56.90	-0.3		
	Z	*18s	5.00um			5.9MsZ				i	56	46.20	40km		1.1s		27.35nm		5.5mb		
	N	18s	3.90um				EBL	85.78	336	eP	56	33.10	1.1	LPF	91.10	331	eP	56	57.40	-0.1	
	E	18s	3.70um				EAU	85.86	337	eP	56	32.30	-0.1		0.9s		18.20nm		5.5mb		
			i	56	26.30	33km	TNP	85.88	48	eP	56	33.01	-0.1	LSF	91.34	328	eP	56	58.30	-0.4	
ORV	82.29	48	eP	56	13.50	-1.1		0.7s		32.72nm		5.7mb		0.8s		20.15nm		5.6mb			
ZST	82.33	322	iP	56	14.80	0.2				eP	56	44.57	37km	MFF	91.82	329	eP	57	01.00	0.1	
			i	56	23.80	28km	PTI	85.91	42	(P)	56	34.36	1.2		1.4s		55.35nm		5.8mb		
CLL	82.41	326	iPc	56	14.90	-0.1	SQTA	86.00	324	iPd	56	34.40	1.0	GOL	91.96	41	ePc	57	02.92	0.9	
	1.0s		130.00nm			5.9mb				i	56	40.70	20kmX		1.1s		18.86nm		5.4mb		
	Z	18s	4.00um			5.8MsZ	ENN	86.04	329	eP	56	33.50	0.2	GLD	92.01	41	ePc	57	03.57	1.4	
			i	56	16.70	6kmX		0.8s		17.90nm		5.3mb		1.3s		38.61nm		5.7mb			
			eSKS	06	29.00		EKA	86.17	336	Pc	56	33.70	-0.2	RJF	92.07	328	eP	57	02.10	0.1	
UZD	82.51	320	eP	56	16.00	0.4		0.8s		10.60nm		5.1mb		1.1s		37.60nm		5.7mb			
VKA	82.70	323	eP	56	16.00	-0.6	OGA	86.33	324	iPc	56	37.10	1.9	Z	19s		1.92um		5.6MsZ		
	Z	16s	1.80um			5.5MsZ	HVU	86.35	43	eP	56	35.82	0.5	CAF	92.10	327	eP	57	02.50	0.3	
			LR	37	25.00		HOFF	86.40	327	P	56	37.11	1.9		1.2s		28.25nm		5.6mb		
SRS	82.78	314	eP	56	17.50	0.3	ABL	86.44	51	eP	56	35.57	-0.4	JAQ	92.47	16	ePc	57	02.50	-1.3	
SOP	82.93	322	eP	56	18.80	1.0	LANF	86.45	327	P	56	37.03	1.6	LFF	92.70	328	eP	57	05.40	0.5	
FCC	82.96	22	ePc	56	20.30	2.6X	ISA	86.47	50	eP	56	34.52	-1.4		0.8s		23.10nm		5.7mb		
OUR	82.98	313	eP	56	19.02	0.9		0.9s		11.92nm		5.1mb	TUC	93.57	49	eP	57	09.97	0.7		
SOH	83.09	314	iP	56	19.54	0.7				eP	56	46.62	40km		1.2s		25.56nm		5.5mb		
KVT	83.18	314	eP	56	19.94	0.7	WLF	86.73	328	iPc	56	38.55	1.8	Z	19s		0.59um		5.1MsZ		
PAIG	83.40	313	eP	56	21.02	0.7		1.6s		39.20nm		5.4mb	ALQ	94.56	45	eP	57	14.27	0.3		
COE	83.44	50	ePc	56	21.09	0.4	SNF	86.94	330	P	56	39.40	1.6		1.3s		20.49nm		5.4mb		
MOX	83.51	326	eP	56	20.10	-0.6	WLS	87.06	327	P	56	39.83	1.3	Z	19s		0.75um		5.2MsZ		
	1.6s		63.00nm			5.5mb	CDF	87.10	327	eP	56	38.70	0.0				eP	57	26.28	39km	
	Z	20s	4.30um			5.8MsZ		1.3s		80.15nm		5.8mb	WMOK	99.18	40	P	57	40.00	5.3X		
			eS	06	46.00		FEL	87.13	326	P	56	39.83	0.9	Z	20s		0.73um		5.2MsZ		
HOF	83.60	326	eP	56	21.60	0.4	LIBD	87.13	326	P	56	39.99	1.2	PAB	99.27	327	ePKP	57	48.00	12.9X	
SKO	83.61	315	iP	56	22.80	1.4	TPNV	87.17	48	eP	56	39.49	0.1	LTX	100.11	47	ePdiff	57	38.77	-0.3	
	1.4s		70.00nm			5.6mb		0.6s		14.63nm		5.4mb	CBM	100.62	14	Pdiff	57	50.00	9.3X		
			i	56	33.50	34km	ECH	87.29	327	P	56	39.50	-0.1		Z	20s		0.78um		5.2MsZ	
GRG	83.61	314	eP	56	22.02	0.6	DUG	87.32	44	ePd	56	40.37	0.3	FVM	100.98	33	Pdiff	57	50.00	7.4X	
GEC2	83.67	324	e(P)	56	22.00	0.3		1.2s		44.66nm		5.6mb		Z	18s		0.81um		5.3MsZ		
	0.8s		7.20nm			4.8mb	Z	20s		0.64um		5.0MsZ	YSNY	101.93	23	Pdiff	58	00.00	13.2X		
CMB	83.86	49	eP	56	22.17	-0.6	BW06	87.56	40	ePd	56	40.83	-0.4		Z	19s		0.96um		5.3MsZ	
	0.8s		27.44nm			5.4mb		1.3s		27.28nm		5.3mb	MIAR	102.13	37	Pdiff	58	00.00	12.2X		
	Z	19s	0.41um			4.8MsZ	MOF	87.56	326	P	56	42.13	1.1		Z	20s		0.76um		5.2MsZ	
			eP	56	33.32	36km	BBS	87.66	326	P	56	40.98	-0.4	LBNH	102.27	17	Pdiff	58	00.00	11.8X	
WET	83.89	325	iPc	56	25.00	2.3	BSF	87.74	327	eP	56	41.00	-0.9		Z	21s		0.70um		5.2MsZ	
	Z	16s	3.00um			5.8MsZ		1.2s		32.15nm		5.5mb	BINY	103.00	21	Pdiff	58	00.00	8.5X		
LRM	84.02	39	eP	56	23.70	0.0	GSC	87.78	50	eP	56	41.93	-0.4		Z	20s		0.87um		5.3MsZ	
LIT	84.05	313	eP	56	23.98	0.3X				eP	56	54.08	40km	HRV	103.99	18	Pdiff	58	10.00	14.2X	
WIT	84.25	330	eP	56	27.00	2.6	HAU	87.83	327	eP	56	41.80	-0.4		Z	19s		0.56um		5.1MsZ	
GRF	84.33	326	iPc	56	25.80	0.9		1.1s		21.75nm		5.3mb	LSCT	104.30	19	Pdiff	58	10.00	12.7X		
	1.1s		96.00nm			5.9mb	Z	19s		1.80um		5.5MsZ		Z	20s		0.83um		5.3MsZ		
	Z	18s	3.00um			5.7MsZ	VITF	87.84	327	P	56	42.54	0.3	MYNC	106.23	30	PKP	02	30.00	12.3X	
			e(P)	56	37.40	38km	DAU	88.11	43	eP	56	44.09	0.0		Z	20s		0.51um		5.1MsZ	
PTV	84.37	321	iP	56	27.20	1.9	FIR	88.29	322	eP	56	29.00	-15.4X	BLF	116.91	251	ePKP	02	46.00	7.6X	
ZAG	84.41	321	e(P)	56	27.50	2.2	PEC	88.38	51	eP	56	42.99	-2.1	SPA	120.50	180	iPKPd	02	43.50	-0.5	
FRB	84.48	9	eP	56	26.00	0.7		1.3s		23.79nm		5.3mb		0.6s		2.03nm					
	1.0s		22.00nm			5.3mb	ARUT	88.43	46	eP	56	45.43	0.0	Z	19s		1.69um		5.7MsZ		
OHR	84.50	315	eP	56	26.50	0.5	MSU	88.76	45	eP	56	47.49	0.4	KIC	124.68	304	PKP	02	53.50	0.1	
AGG	84.77	313	eP	56	26.74	-0.6	ULM	88.90	28	eP	56	49.50	2.3		0.9s		13.50nm				
WTS	84.77	330	eP	56	27.50	0.5	SRU	89.37	44	ePd	56	49.49	-0.5	TIC	124.68	305	PKP	02	53.34	-0.1	
	0.7s		17.80nm			5.3mb				eP	57	00.65	35km		0.9s		6.00nm				
MMPM	84.98	49	ePc	56	29.21	0.4	LPL	89.42	325	eP	56	49.40	-0.7	LIC	124.98	304	PKP	02	53.92	-0.1	
KBA	85.00	323	iPd	56	29.40	0.9		1.4s		60.55nm		5.7mb		1.0s		12.00nm					
			i	56	30.60	4kmX	LPG	89.42	325	eP	56	49.50	-0.7	Z	20s		8.88um		6.4MsZ		
VBV	85.00	321	eP	56	29.00	0.7		0.8s		17.60nm		5.4mb	ARE	154.22	62	ePKP	03	55.00	9.5X		
			iPcP	56	31.40		LOR	89.52	328	eP	56	49.60	-0.6	LPZ	156.60	57	PKPc	03	50.10	1.0	
			iP	56	40.20	36km		1.1s		17.10nm		5.3mb				LR	58	41.00			
MEMM	85.01	49	eP	56	29.26	0.8		Z	18s		1.60um		5.5MsZ	LPB	156.78	57	ePKP	03	51.00	1.9	
LJU	85.05	322	eP	56	29.50	1.0	RSSD	89.62	37	eP	56	50.82	-0.2				eLR	58	20.00		
			iP	56	40.50	35km		0.6s		28.72nm		5.7mb	CNCB	157.05	58	PKPc	03	51.50	1.9		

27d 07h

Sg 47 06.80
HHC 5.65 284 ePg 46 02.60 19.0X
Sg 47 14.00
CN2 6.44 48 ePg 46 15.00 20.5X
eSg 47 41.00
BTO 6.79 280 ePg 46 22.00 22.4X
Sg 47 49.20
GYA 16.65 221 P 48 17.80 5.6X
S.D. = 0.8 on 5 of 9 obs.

? SEP 27, 1993 07h 47m 19.66± 1.15s
39.090 N ± 8.1km 27.639 E ±13.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.75 203 ePg 47 34.40 0.0
eSg 47 46.40
EZM 1.25 306 ePn 47 43.00 0.0
KCT 1.28 25 ePn 47 43.50 0.0
KGT 1.38 349 iPn 47 44.90 -0.1
S.D. = 0.1 on 4 of 4 obs.

? SEP 27, 1993 09h 58m 13.66± 1.48s
40.390 N ±11.1km 22.948 E ±13.4km
DEPTH = 10.0km (geophysicist)
GREECE (364)
ML 1.4 (THE).

THE 0.24 3 ePg 58 18.92 0.1
eSg 58 20.00
LIT 0.45 231 ePg 58 22.92 0.0
eSg 58 30.68
SOH 0.53 35 ePg 58 24.36 -0.1
GRG 0.70 324 ePg 58 27.48 -0.1
S.D. = 0.1 on 4 of 4 obs.

? SEP 27, 1993 10h 04m 07.63± 0.95s
39.141 N ± 7.6km 27.379 E ±23.3km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.75 187 ePg 04 22.30 0.0
eSg 04 34.30
EDC 1.26 17 ePn 04 31.00 0.0
BNT 1.28 19 ePn 04 31.30 -0.1
KGT 1.31 357 iPn 04 31.90 0.1
KCT 1.34 34 ePn 04 32.40 0.1
S.D. = 0.1 on 5 of 5 obs.

% SEP 27, 1993 10h 20m 46.21± 1.67s
14.228 N ±20.5km 93.906 W ± 9.9km
DEPTH = 33.0km (normal)
NEAR COAST OF CHIAPAS, MEXICO (69)

TPX 1.73 67 iP 21 15.00 0.6
(S) 21 36.00
SCX 2.78 26 iP 21 29.00 -0.3
iS 22 03.00
GCG 3.29 83 eP 21 41.39 4.6X
eS 22 16.83
IXG 3.35 90 eP 21 37.23 -0.4
OXX 3.93 317 eP 21 46.00 0.1
YUP 3.98 90 eP 21 46.74 0.1
IISM 5.79 325 (P) 22 25.00 13.0X
PPM 6.60 317 (P) 22 24.00 0.0
S.D. = 0.5 on 6 of 8 obs.

% SEP 27, 1993 10h 38m 17.91± 0.88s
39.673 N ± 7.9km 29.509 E ± 8.4km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

ALT 0.77 143 iPg 38 33.00 -0.1
eSg 38 43.30
EYL 1.02 29 ePn 38 37.40 0.1
KCT 1.06 303 ePn 38 37.40 -0.4
HRT 1.15 6 ePn 38 39.40 -0.1
EDC 1.43 299 ePn 38 44.40 0.5
S.D. = 0.5 on 5 of 5 obs.

& SEP 27, 1993 11h 21m 00.87s
39.333 N 111.159 W
DEPTH = 1.1km
UTAH (478)

<SLC-P>. MD 3.3 (SLC). ML 3.0
(GS).

SRU 0.54 114 iPd 21 10.78 -0.9
eS 21 18.37
EMUT 0.55 29 ePd 21 11.21 -0.6
DAU 1.08 356 eP 21 21.16 -1.1
MSU 1.14 224 ePd 21 21.85 -1.3
DUG 1.54 305 ePc 21 28.48 -1.2
PV09 1.79 117 ePd 21 33.71 0.3
eS 21 56.74
PV10 1.91 119 eP 21 36.06 0.9
eS 22 02.55
PV08 2.10 110 eP 21 38.11 0.2
ARUT 2.36 230 eP 21 41.95 0.4
HVV 2.74 334 eP 21 45.79 -1.1
BW06 3.65 19 eP 22 00.09 0.2
HHAI 4.06 347 eP 22 05.41 -0.2
GOL 4.49 83 eP 22 10.96 -0.9
GLD 4.61 83 eP 22 12.65 -0.8
BONR 5.76 258 (P) 22 31.69 1.8
ALQ 5.77 138 ePn 22 27.36 -2.6
GSC 6.04 230 (P) 22 31.52 -2.0
TUC 7.01 177 (P) 22 47.63 0.3
RSSD 7.16 46 (P) 22 45.84 -3.6
19 obs. associated

* SEP 27, 1993 11h 52m 36.12± 1.36s
28.326 S ± 8.8km 68.833 W ±18.2km
DEPTH = 33.0km (normal)
LA RIOJA PROVINCE, ARGENTINA (138)

CYA 2.68 93 ePc 53 18.60 0.7
S 53 53.50
TCA 4.75 130 iP 53 47.10 -0.3
(S) 55 06.00
ANT 4.82 342 eP 53 42.50 -5.7X
RFA 6.43 177 ePd 54 11.00 -0.1
S 55 15.00
MOCB 7.62 23 P 54 26.70 -1.4
CNCB 11.49 4 eP 55 26.00 4.6X
(S) 58 30.00
LPB 11.76 3 (P) 55 26.00 1.0
LR 00 15.00
LPAZ 12.00 3 P 55 33.40 5.0X
LR 59 05.00
S.D. = 1.3 on 5 of 8 obs.

* SEP 27, 1993 11h 53m 27.39± 1.33s
53.918 N ±16.8km 160.531 E ±29.3km
DEPTH = 33.0km (normal)
4.7mb (28 obs.)
NEAR EAST COAST OF KAMCHATKA (218)

NIIJ 22.33 230 eP 58 23.80 0.3
MAT 23.27 231 iPc 58 31.90 -0.8
1.0s 22.00nm 4.6mb
CHJJ 23.32 229 eP 58 32.90 -0.3
MTMJ 23.42 231 eP 58 33.80 -0.4
IIDJ 24.28 230 eP 58 43.80 1.3
WKYJ 26.39 232 P 59 05.00 2.6
YONJ 26.62 236 P 59 04.10 -0.4
TKSJ 27.31 234 P 59 08.70 -2.1
LZH 42.61 269 Pd 01 22.50 0.4
1.0s 27.00nm 4.9mb
DAG 49.58 360 eP 02 16.70 0.2
CHTO 58.33 258 iPc 03 20.90 -0.5
0.8s 11.16nm 5.0mb
KAF 58.83 337 iP 03 24.30 -0.1
0.4s 2.60nm 4.7mb
GUN 59.07 276 P 03 19.80 -7.2X
KKN 59.51 276 P 03 29.60 -0.3
0.4s 15.00nm 5.5mb
DMN 59.75 276 P 03 31.80 0.3
0.4s 10.00nm 5.3mb
NB2 62.82 344 P 03 50.80 -0.8
0.6s 3.40nm 4.7mb
HFS 63.24 342 eP 03 53.00 -1.3
0.3s 4.10nm 5.0mb
Z 17s 0.03um 3.6MsZx
LR 29 58.00
HYB 71.42 274 eP 04 46.00 -0.3
CLL 71.67 339 i(P) 04 47.70 0.4
1.0s 14.00nm 4.9mb
BRG 71.88 338 eP 04 49.20 0.7
PRU 72.58 338 P 04 54.40 1.7
GRF 73.58 340 eP 04 59.00 0.5

KHC 73.61 338 eP 05 00.00 1.3
1.0s 5.40nm 4.5mb
e 05 12.50
GEC2 73.85 338 P 05 00.50 0.3
0.7s 2.85nm 4.4mb
e 05 01.80
e 05 12.90
GBA 75.07 273 P 05 06.80 -0.8
0.7s 3.50nm 4.5mb
CDF 75.56 342 eP 05 10.20 0.1
0.4s 2.05nm 4.5mb
BSF 76.21 342 eP 05 13.30 -0.5
0.4s 1.80nm 4.4mb
FLN 76.44 347 eP 05 12.90 -2.0
0.8s 7.10nm 4.7mb
GRR 76.86 347 eP 05 16.70 -0.5
0.6s 4.35nm 4.7mb
LOR 77.26 344 eP 05 19.00 -0.5
0.9s 5.55nm 4.6mb
LBF 77.52 344 eP 05 20.60 -0.4
1.0s 4.40nm 4.4mb
SSF 77.52 344 eP 05 20.00 -0.9
0.8s 4.15nm 4.5mb
AVF 77.81 344 eP 05 22.30 -0.2
0.7s 4.30nm 4.6mb
SMF 77.87 344 eP 05 22.70 -0.2
0.7s 3.65nm 4.5mb
LPL 78.45 342 eP 05 27.40 1.0
0.8s 5.65nm 4.6mb
LPG 78.47 342 eP 05 27.60 1.1
0.9s 11.45nm 4.9mb
MAF 78.49 345 eP 05 25.70 -0.6
0.8s 5.65nm 4.6mb
LSF 78.62 345 eP 05 26.80 -0.2
0.9s 7.20nm 4.7mb
FRF 80.36 341 eP 05 37.00 0.6
0.9s 5.55nm 4.6mb
LRG 80.51 341 eP 05 37.70 0.5
0.9s 10.15nm 4.8mb
LMR 80.60 341 eP 05 38.00 0.4
0.9s 9.50nm 4.8mb
S.D. = 0.9 on 40 of 41 obs.

& SEP 27, 1993 12h 22m 37.27s
32.379 N 115.045 W
DEPTH = 6.0km (geophysicist)
CALIF.-BAJA CALIF. BORDER REGION(45)
<PAS-P>. ML 2.8 (PAS).

PLM 1.81 303 eP 23 07.86 -1.5
PEC 2.33 311 eP 23 17.41 0.6
SSK 2.87 310 eP 23 24.29 -0.3
GSC 3.26 334 (Pn) 23 30.11 0.1
TUC 3.61 90 (Pn) 23 30.90 -4.0
ISA 4.34 320 (Pn) 23 47.43 2.1
TPNV 4.67 348 (Pn) 23 49.43 -0.6
ARUT 5.55 13 (Pn) 24 04.71 2.0
MSU 6.55 20 (Pn) 24 16.50 -0.3
ALQ 7.60 68 (P) 24 31.85 0.4
SRU 7.66 27 (Pn) 24 32.54 0.3
PV10 7.74 38 ePn 24 32.22 -1.2
12 obs. associated

% SEP 27, 1993 12h 26m 03.97± 0.94s
39.285 N ± 6.8km 27.657 E ±10.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.94 199 ePg 26 21.80 -0.1
eSg 26 35.80
EDC 1.07 8 ePg 26 23.50 -0.6
BNT 1.09 11 ePg 26 24.30 -0.1
KCT 1.10 29 iPn 26 25.30 0.6
EZM 1.16 298 ePn 26 25.90 0.2
KGT 1.20 347 iPn 26 26.30 0.0
S.D. = 0.5 on 6 of 6 obs.

% SEP 27, 1993 12h 28m 56.35± 0.80s
26.814 S ± 6.8km 26.784 E ±10.7km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 2.4 (PRE).

BFS 0.08 180 iPc 28 58.70 0.3
S 28 59.50
KSR 0.95 6 eP 29 14.50 -0.6

27d 12h

SWZ 1.35 254 eP 29 22.10 0.2
 S 29 29.60
 SEK 1.68 154 iPc 29 26.00 -0.6
 S 29 48.00
 SLR 1.72 52 eP 29 28.00 0.7
 S 29 49.00
 S.D. = 0.8 on 5 of 5 obs.

% SEP 27, 1993 12h 30m 56.60± 0.65s
 39.997 N ± 5.5km 28.125 E ± 5.1km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.9 (ISK).

BNT 0.39 336 iPg 31 04.30 -0.3
 eSg 31 09.30
 EDC 0.40 330 iPg 31 04.50 -0.3
 iSg 31 09.50
 KGT 0.78 306 iPg 31 11.30 -0.4
 MFT 1.02 321 iPn 31 16.30 0.4
 IZI 1.09 71 ePn 31 17.00 -0.1
 CTT 1.17 11 ePn 31 19.40 0.9
 EZN 1.39 264 iPn 31 21.90 -0.2
 HRT 1.44 55 ePn 31 22.00 -0.7
 IZM 1.73 203 ePn 31 27.30 0.3
 DMK 1.84 351 ePn 31 29.00 0.5
 S.D. = 0.6 on 10 of 10 obs.

SEP 27, 1993 12h 34m 05.72± 0.98s
 8.535 N ± 4.7km 126.674 E ± 8.0km
 DEPTH = 58.3 ± 8.8 km
 4.9mb (27 obs.) 4.0Msz (5 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

BIP 0.52 234 ePd 34 15.00 -2.9
 DAV 1.80 217 eP 34 37.10 2.2
 CGP 1.96 268 iPc 34 38.00 0.9
 iS 35 05.00
 CTB 2.79 242 iP 34 51.00 2.2
 iS 35 15.00
 PLP 3.10 328 ePc 34 53.50 0.2
 iS 35 14.00
 MAP 3.20 304 ePd 34 58.00 3.4X
 iS 35 41.00
 GQP 6.76 323 ePd 35 48.00 3.4X
 BAG 9.83 323 eP 36 27.80 0.6
 QIZ 19.37 304 Pd 38 29.00 -0.7
 MTN 21.70 168 eP 38 53.00 -0.6
 SSE 23.02 348 Pd 39 07.00 0.5
 1.0s 21.00nm 4.5mb
 Z 18s 0.50um 4.0Msz

KNA 24.22 175 iPd 39 18.90 0.7
 0.8s 61.00nm 5.1mb
 LOE 25.83 292 eP 39 34.00 0.5
 TKSJ 26.22 14 P 39 37.50 0.5
 NNT 26.78 281 eP 39 28.20 -14.1X
 WKYJ 26.85 17 P 39 40.80 -2.0
 NST 26.88 288 iPd 39 43.80 0.6
 YONJ 27.25 12 P 39 47.30 1.0
 BDT 28.30 291 eP 39 57.00 1.0
 CHTO 28.77 294 ePc 40 00.00 -0.3
 1.1s 30.92nm 4.8mb
 WR2 29.30 165 eP 40 02.30 -2.7X
 0.4s 5.40nm 4.6mb
 eS 44 46.10

XAN 30.19 330 P 40 10.50 -2.3
 CD2 30.87 319 eP 40 17.20 -1.6
 QIS 31.58 156 iPd 40 24.00 -1.2
 TIY 31.78 338 eP 40 25.80 -1.0
 BJI 32.74 345 eP 40 33.50 -1.5
 1.3s 10.00nm 4.5mb
 ASPA 32.77 168 eP 40 33.60 -1.9
 0.5s 9.50nm 4.9mb
 Z 21s 0.20um 3.8Msz
 eS 45 42.60
 iScP 47 02.40

SNY 33.27 356 iPd 40 40.00 0.4
 LZH 34.43 326 eP 40 49.00 -0.9
 1.5s 27.00nm 5.0mb
 Z 20s 0.30um 4.0Msz
 sP 41 13.00

HHC 34.87 340 Pc 40 55.20 1.6
 1.2s 16.00nm 4.8mb
 MDJ 36.03 4 eP 41 04.00 0.8
 1.5s 50.00nm 5.2mb

MRWA 38.92 195 eP 41 27.00 -0.6
 0.4s 4.00nm 4.6mb
 GTA 39.03 326 Pd 41 28.00 -0.6
 1.0s 5.00nm 4.3mb
 LSA 39.37 307 P 41 33.20 1.2
 1.0s 11.00nm 4.7mb
 COOL 39.55 187 iPc 41 32.20 -0.6
 0.6s 35.00nm 5.4mb

MUN 41.51 193 eP 41 49.00 0.1
 1.0s 30.00nm 5.0mb
 NWA0 42.20 192 iPd 41 54.90 0.4
 0.6s 13.00nm 4.9mb

STK 42.64 161 iPc 41 57.40 -0.8
 0.7s 6.00nm 4.5mb

GUN 43.00 302 P 42 02.20 0.5
 KKN 43.47 302 P 42 04.20 -1.1
 DMN 43.56 301 P 42 06.60 0.5
 BWA 47.43 155 eP 42 37.20 0.7
 HYB 47.61 286 eP 42 37.50 -0.6
 CAN 48.44 155 eP 42 44.30 0.0
 GBA 48.52 281 P 42 44.70 -0.5
 0.7s 4.00nm 4.5mb

KOD 48.54 276 eP 42 45.80 0.0
 WMQ 48.83 323 P 42 46.90 -0.4
 1.0s 8.50nm 4.7mb

Z 20s 0.43um 4.4Msz
 NDI 50.56 300 iPc 42 58.00 -2.7X
 SVW 76.63 29 eP 45 53.88 2.1
 1.0s 19.03nm 5.0mb

SLKM 79.23 30 eP 46 06.65 0.7
 FBA 80.43 26 eP 46 12.71 0.4
 0.8s 2.52nm 4.2mb

KLU 81.32 29 (P) 46 18.73 1.6
 KAF 87.34 332 iP 46 46.80 -0.5
 0.7s 13.50nm 5.3mb

NUR 88.50 331 iP 46 52.50 -0.4
 0.5s 13.50nm 5.4mb
 UPP 92.04 331 iP 47 08.20 -1.2
 DAG 92.53 352 iPd 47 12.10 0.7
 0.6s 16.67nm 5.6mb

HFS 93.76 332 eP 47 16.20 -1.1
 0.5s 8.50nm 5.4mb
 Z 18s 0.05um 4.0Msz

LR 27 19.00
 NB2 94.48 334 P 47 19.40 -1.3
 0.7s 5.30nm 5.1mb

NAO 94.75 334 P 47 18.97 -2.9X
 YKA 95.17 24 eP 47 25.10 1.3
 0.8s 1.40nm 4.5mb

KHC 98.26 322 eP 47 34.50 -3.6X
 e 47 58.50
 e 48 23.50

GEC2 98.30 322 P 47 38.30 0.0
 0.8s 3.59nm 5.0mb
 CNCB 163.51 121 PKP 54 06.00 1.6
 LPB 163.54 120 ePKP 54 08.00 3.8X
 LPAZ 163.63 119 PKPc 54 05.70 1.1

S.D. = 1.2 on 57 of 65 obs.

& SEP 27, 1993 12h 34m 28.55s
 59.859 N 153.507 W
 DEPTH = 132.1km

SOUTHERN ALASKA (2)
 <AEIC>.

OPT 0.25 146 iPc 34 46.33 0.9
 eS 35 00.41

INW 0.28 42 ePc 34 46.20 0.5
 INE 0.30 48 ePc 34 46.40 0.6
 eS 35 00.89

ILIM 0.35 51 iPc 34 46.42 0.5
 eS 35 01.62
 PDB 0.35 259 iPc 34 46.39 0.6
 eS 35 00.46

AUL 0.48 176 ePc 34 47.28 -0.7
 AUW 0.49 178 ePc 34 47.28 -0.7
 AUH 0.50 176 ePc 34 47.33 -0.8
 AUP 0.50 175 eP 34 47.28 -0.9

AGU 0.50 176 eP 34 47.41 -0.8
 AUE 0.51 172 iPc 34 47.29 -0.8
 AUI 0.53 176 eP 34 47.30 -0.9
 eS 35 01.92

RED 0.67 33 ePc 34 48.38 -0.9
 eS 35 03.94

RS2 0.71 31 eP 34 48.83 -0.9
 eS 35 04.91

RSO 0.71 32 P 34 50.20 0.4

RDW 0.72 29 ePc 34 48.91 -0.9
 REF 0.75 32 ePc 34 49.12 -0.9
 eS 35 05.22
 NCT 0.76 22 ePc 34 49.24 -0.8
 eS 35 05.70
 DFR 0.84 29 ePc 34 49.80 -0.8
 eS 35 06.58

CDD 0.93 184 eP 34 50.27 -1.1
 eS 35 06.90
 HOM 0.96 101 ePc 34 50.75 -0.8
 eS 35 07.92

XLV 0.99 113 eP 34 50.59 -1.3
 eS 35 08.04
 CNPM 1.20 105 ePc 34 52.50 -1.4
 eS 35 11.05

BRLK 1.33 93 eP 34 54.07 -1.2
 eS 35 12.89
 BKG 1.36 26 iPd 34 54.95 -0.8
 eS 35 15.91

SYI 1.38 155 ePc 34 54.31 -1.4
 eS 35 14.30
 NKA 1.44 51 eP 34 57.32 0.9
 CKL 1.46 23 iPd 34 56.20 -0.6
 eS 35 18.24

CKT 1.49 25 ePd 34 56.32 -0.8
 SPU 1.51 28 ePd 34 56.33 -1.7
 eS 35 18.56

BGL 1.51 21 eP 34 56.88 -0.5
 CKN 1.52 25 eP 34 56.93 -0.5
 CP2 1.54 23 ePd 34 57.04 -0.8
 CRP 1.56 25 ePd 34 56.80 -1.2
 eS 35 16.91

CGLM 1.63 26 iPd 34 57.97 -0.8
 SVW 1.63 321 eP 34 56.30 -2.4
 NCG 1.69 23 eP 34 58.81 -0.6
 SLKM 1.77 67 eP 34 58.74 -1.5
 eS 35 21.30

SEW 2.05 81 eP 35 02.11 -1.6
 eS 35 27.06
 SUA 2.11 39 ePd 35 03.51 -1.0
 eS 35 30.12

MPA 2.17 71 eP 35 03.60 -1.5
 eS 35 30.06
 KDC 2.18 166 eP 35 01.42 -3.9
 SKT 2.34 24 ePd 35 06.25 -1.1
 eS 35 35.72

PTE 2.45 64 eP 35 07.27 -1.3
 PWA 2.53 43 P 35 09.00 -0.7
 PWL 2.76 66 eP 35 10.84 -1.9
 PLRM 2.77 49 eP 35 11.08 -1.7
 KNK 2.94 56 eP 35 12.46 -2.6

GHO 2.95 47 eP 35 12.86 -2.5
 CUT 3.00 30 eP 35 14.78 -1.0
 CFI 3.13 62 eP 35 15.30 -2.2
 SML 3.20 50 eP 35 15.65 -2.9
 HIN 3.55 78 eP 35 21.25 -1.8

SCM 3.61 54 eP 35 21.36 -2.7
 VLZ 3.77 67 eP 35 24.16 -1.9
 KTH 3.91 17 eP 35 26.35 -1.6
 TRF 3.92 22 eP 35 26.34 -1.9

CVA 3.93 77 eP 35 26.71 -1.5
 KLU 4.08 63 eP 35 27.43 -2.8
 RND 4.19 30 eP 35 30.09 -1.7
 SGAM 4.20 78 eP 35 30.22 -1.5

TOA 4.22 55 P 35 30.10 -2.1
 DHY 4.37 40 eP 35 31.78 -2.4
 TZL 4.51 57 eP 35 35.51 -0.5
 BALM 5.65 73 eP 35 48.77 -2.8

FBA 5.71 25 eP 35 48.86 -3.4
 IL1 5.81 29 eP 35 50.52 -3.1
 ILB 5.81 29 eP 35 50.55 -3.1
 IM3 6.15 359 eP 35 56.58 -1.7

BC3 6.47 55 eP 36 00.69 -2.0
 70 obs. associated

? SEP 27, 1993 13h 04m 20.74± 4.80s
 32.605 S ± 31.4km 71.637 W ± 27.8km

DEPTH = 33.0km (normal)
 NEAR COAST OF CENTRAL CHILE (135)
 MD 3.8 (SAN).

ROCH 0.64 125 iP 04 33.11 -0.5
 iS 04 40.26

LCCH 0.87 176 iP 04 36.13 -0.4
 iS 04 45.63

JACH 0.88 95 iP 04 37.21 0.3

27d 13h

IS	04 48.27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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LMEM	111.39	310	PKP	56	09.00	4.3X
LRM	111.81	319	ePdiff52	12	80	4.5X
WDC	111.87	309	PKP	56	20.00	14.6X
	Z	21s	8.56um			6.3Msz
WDC	111.87	309	Pdiff	52	09.93	1.6
	Z	20s	8.01um			6.3Msz
			PP	56	54.77	
			SP	06	20.44	
YBH	112.86	310	ePdiff52	15.52		2.7X
	Z	19s	6.00um			6.2Msz
			ePP	56	49.52	
			eSKS	02	57.52	
			eS	04	49.52	
			eSP	06	14.52	
			eSS	12	44.52	
			eLQ	24	09.52	
			eLR	31	54.52	
TRI	113.55	44	e(Pdiff52	16.00		0.3
			e	56	34.80	
			e(PP)	57	00.00	
			e	58	52.00	
			e(PPP)	59	28.00	
			e(S)	05	16.00	
			e(SP)	06	32.00	
			e(SPP)	07	52.00	
			e(SS)	13	08.00	
			e(SSS)	17	00.00	
SKO	113.96	51	ePdiff52	20.00		2.4
	9.5s	7260.00nm				
	Z	19s	16.59um			6.7Msz
			i	57	06.00	
			i	59	28.00	
			i	06	08.00	
			i	06	54.00	
			i	07	58.00	
			i	11	10.00	
			i	17	20.00	
			LR	47	20.00	
LJU	114.14	44	(Pdiff52	20.00		1.7X
FUR	114.54	41	ePdiff52	26.00		5.9X
	Z	21s	34.00um			6.9Msz
			ePP	57	09.00	
ZAG	114.56	45	e(PKP)	56	14.50	4.1X
PTJ	114.62	45	ePKP	56	11.50	0.8
KMR	115.58	43	ePKP	56	18.00	5.7X
			iPP	57	13.40	
EKA	115.71	28	PKPc	56	21.20	8.9X
	1.1s	10.30nm				
GRF	115.76	40	ePKP	56	22.10	9.5X
			ePP	57	17.00	
			ePS	06	56.20	
			e	08	10.10	
			eSS	13	26.50	
GEC2	116.04	42	PKP	56	12.30	-1.0
	0.6s	0.63nm				
			e	56	16.50	
			e	56	21.50	
			e	56	25.50	
			e	57	11.40	
			e	57	15.60	
			e	59	48.40	
			e	59	53.70	
KHC	116.22	42	ePdiff52	36.00		8.4X
			e	53	40.00	
KHC	116.22	42	ePKP	56	22.60	9.1X
	1.3s	7.20nm				
	N	21s	22.00um			
	E	22s	14.40um			
			e	56	39.50	
			e	57	11.50	
			ePP	57	23.10	
			e	59	35.50	
			ePKKP	06	47.00	
			ePS	07	00.00	
			e	07	11.50	
			eSKKP	10	42.00	
SOP	116.28	44	e(PKP)	56	15.00	1.4
UZD	116.28	46	e(PKP)	56	26.00	12.3X
LON	116.40	314	ePKP	56	13.07	-0.9
HON	116.55	270	PKP	56	20.00	5.1X
	Z	21s	14.12um			6.6Msz
MOX	116.68	40				

27d 13h

PRU 117.28 42 ePKP 56 21.50 6.0X	YKA 125.88 329 ePKP 56 30.60 -1.0	TOA 137.00 317 ePKP 56 41.00 -11.8X
2.3s 159.00nm	0.8s 12.40nm	BDT 137.09 136 ePKP 56 45.00 -9.2X
Z 20s 22.20um 6.8Msz	UPP 125.96 36 iPKP 56 31.40 -0.4	KBS 137.48 15 ePKP 56 48.00 -5.2X
N 20s 18.60um	i 58 28.20	KDC 137.60 309 ePKP 56 52.75 -1.2
E 21s 10.60um	PYA 126.27 63 ePKP 56 34.00 1.0	SLKM 137.93 313 ePKP 56 53.58 -1.0
e 57 20.50	Z 18s 16.00um 6.7Msz	PMR 137.98 315 ePKP 56 47.77 -6.8X
PP 57 37.30	N 18s 6.50um	Z 19s 8.81um 6.5Msz
e 59 59.00	E 18s 10.00um	LOE 138.32 140 ePKP 57 13.00 16.4X
eSKKS 04 29.00	iPPP 01 23.00	CHTO 138.47 135 ePKP 56 50.00 -6.8X
eSDIF 05 17.00	e 03 40.00	AUP 138.80 310 PKP 56 58.70 2.4X
PS 07 15.00	iPS 08 30.00	COL 138.94 320 ePKP 56 44.57 -11.7X
e 08 28.00	iPPS 10 06.00	FBA 138.94 320 ePKP 56 44.29 -12.0X
eSS 14 20.00	GRO 127.22 65 ePKP 56 35.00 0.3	DMN 139.03 112 PKP 56 50.40 -7.5X
CLL 117.74 40 iPKP 56 29.20 12.9X	Z 20s 10.00um 6.5Msz	CRP 139.12 313 ePKP 56 46.80 -10.1X
PKKP 07 05.00	N 22s 15.60um	KKN 139.27 112 PKP 56 48.80 -9.5X
BRG 117.75 41 iPKPc 56 30.10 13.8X	E 20s 24.00um	GUN 139.69 112 PKP 56 50.40 -8.8X
Z 20s 15.00um 6.6Msz	i 58 34.00	SDN 140.31 302 ePKP 56 49.77 -9.2X
N 23s 11.00um	iPS 08 40.00	SVW 140.56 312 ePKP 56 55.25 -4.1X
E 23s 9.00um	HYB 127.28 114 ePKP 56 35.20 -0.4	TTA 141.46 315 ePKP 56 54.87 -6.1X
e 56 41.00	1.2s 75.80nm	ARU 141.47 57 ePKP 56 55.00 -6.0X
e 57 13.00	BAK 127.54 71 ePKP 56 26.00 -9.4X	Z 20s 15.50um 6.8Msz
eSKP 59 58.00	i 58 44.00	N 16s 2.00um
ePKKP 06 41.90	i 03 46.00	E 22s 15.00um
BUC 118.01 52 ePKPd 56 03.00 -14.0X	NUR 128.93 38 ePKP 56 37.00 -0.4	e 57 01.00
MCW 118.33 315 ePKP 56 16.74 -0.8	Z 18s 18.00um 6.8Msz	e 57 12.00
KSP 118.65 42 ePKP 56 32.40 14.4X	e 58 48.00	e 00 10.00
e 57 29.60	e 00 00.00	IMA 141.66 320 ePKP 56 54.52 -6.8X
MLR 118.75 52 ePKP 56 28.00 9.4X	e 03 41.00	KSH 142.16 90 PKP 57 00.00 -3.0X
VRI 119.39 52 ePKP 56 30.50 10.9X	e 08 57.00	Z 22s 51.80um 7.2Msz
UZH 119.46 47 ePKP 56 32.00 12.4X	e 10 29.00	N 18s 23.40um
UZH 119.46 47 ePdiff 52 48.00 6.1X	e 16 09.00	E 19s 30.80um
Z 19s 16.00um 6.7Msz	e 20 43.00	sPKP 57 15.00
N 19s 10.00um	LR 56 10.00	PP 00 07.00
E 19s 12.50um	SIT 129.59 315 PKP 56 50.00 11.2X	SKS 04 06.00
ePPP 00 27.00	Z 20s 4.91um 6.2Msz	BAG 142.34 168 ePKP 57 03.20 -0.8
e 03 24.00	MAIO 130.30 81 ePKP 56 42.00 1.0	QIZ 142.59 150 ePKP 57 01.00 -3.1X
iPS 07 33.00	OBN 130.31 49 ePdiff 53 26.30 -3.6X	N 21s 15.40um
iSS 14 10.00	OBN 130.31 49 iPKPd 56 40.50 0.3	E 22s 10.00um
CFR 119.56 53 ePKP 56 17.00 -2.9X	2.9s 295.70nm	PP 00 09.50
KOD 120.75 117 ePKP 56 26.00 2.5X	Z 21s *****um 9.7MszX	SVE 142.66 57 iPKP- 56 57.00 -6.1X
LVV 121.10 47 iPKP 56 33.00 10.3X	N 21s 4739.30um	2.5s 300.00nm
Z 19s 12.50um 6.6Msz	E 20s *****um	Z 20s 12.00um 6.7Msz
N 20s 6.80um	e 56 53.00	N 20s 6.00um
E 19s 14.50um	e 56 59.90	E 20s 8.50um
ePPP 00 41.00	e 57 08.00	e 12 42.00
e 03 17.00	(PP) 58 47.40	FRU 143.43 85 ePKP 57 02.00 -2.9X
iPS 07 47.00	(SKP) 59 48.80	Z 19s 20.00um 6.9Msz
iSS 14 35.00	(SKS) 03 42.70	N 19s 19.00um
KIS 121.24 52 ePdiff 53 06.00 16.1X	(SKKS) 05 44.10	E 19s 13.00um
e 03 20.00	(PS) 08 57.50	e 57 11.00
iPS 07 48.00	(SS) 15 50.90	e 00 20.00
ePPS 09 10.00	KAF 130.59 37 iPKP 56 39.90 -0.6	eSS 19 00.00
SHI 121.47 82 ePKP 56 25.00 0.7	PUL 130.60 41 (PKP) 56 45.00 4.4X	CVP 143.76 169 ePKPd 57 05.00 -1.1
KER 121.74 74 e(PKP) 56 26.00 1.4	ASH 130.75 79 ePKP 56 43.00 1.4	LSA 143.95 117 PKP 57 03.80 -3.0X
SIM 122.30 57 ePdiff 53 02.00 7.4X	Z 25s 78.00um 7.3MszX	sPKP 57 17.00
e 03 32.00	N 25s 55.00um	SKKS 07 06.00
ePS 07 52.00	E 25s 53.35um	SS 19 03.00
GBA 123.54 115 PKP 56 27.00 -1.4	e 56 54.00	KMI 145.67 136 PKPd 57 09.50 0.0
ANN 123.86 59 ePKP 56 29.50 1.3	e 59 03.00	ANM 145.92 315 ePKP 57 07.63 -0.8
ePS 08 14.00	PPP 01 48.00	HKC 146.89 155 ePKP 57 15.00 3.8X
TAB 123.94 70 ePdiff 53 13.00 10.7X	e 03 43.00	S 19 32.00
i 58 13.00	e 09 18.00	ADK 147.41 290 ePKP 57 11.27 0.1
SOC 124.20 61 iPKP 56 30.00 1.1	e 16 51.00	GZH 147.43 154 PKP 57 15.00 2.9X
e 03 26.00	MOS 131.16 49 ePKP 56 42.00 0.2	Z 22s 11.00um 6.6Msz
ePS 08 10.00	2.0s 320.00nm	N 21s 6.87um
eSS 15 12.00	Z 20s 16.50um 6.7Msz	E 18s 3.83um
ERE 124.41 67 ePKP 56 32.00 2.4	N 20s 7.50um	GYA 148.41 141 PKP 57 16.00 2.2
Z 18s 11.00um 6.6Msz	E 20s 12.50um	Z 26s 10.20um 6.5MszX
E 20s 9.00um	e 59 08.00	N 20s 9.69um
e 03 27.00	RES 131.26 346 ePKP 56 43.50 2.0	E 20s 3.22um
iPS 08 20.00	1.0s 9.00nm	SKKS 07 36.00
NRAO 124.59 32 ePKP 56 29.10 0.0	DAG 131.81 10 ePKP 56 42.00 -0.5	SS 19 58.00
NREO 124.59 32 iPdiff 53 14.60 10.3X	SDF 133.90 32 ePKP 56 46.00 -0.7	CD2 151.14 132 ePKP 57 21.70 4.0X
NREO 124.59 32 PKP 56 36.40 7.3X	BALM 134.87 317 ePKP 56 48.26 -0.6	Z 20s 12.20um 6.7Msz
PP 58 18.40	NDI 135.37 103 PKP 56 50.00 -0.7	N 18s 8.65um
NB2 124.73 32 PKP 56 28.80 -0.6	PP 00 23.00	iSPKP 57 35.50
0.9s 8.80nm	PS 09 16.00	PP 01 01.00
MOL 124.81 29 ePKP 56 34.29 4.9X	SS 16 58.00	eSKKS 07 48.00
HFS 124.83 34 ePKP 56 27.40 -2.2	SSS 23 47.00	ILT 151.59 321 iPKPd 57 23.70 6.6X
0.4s 5.10nm	INK 135.62 328 ePKP 56 47.00 -2.9X	i 57 38.00
Z 20s 18.25um 6.7Msz	1.0s 8.00nm	e 04 40.00
LR 39 08.00	NST 136.13 139 ePKP 56 49.00 -3.4X	WMQ 151.78 94 PKP 57 20.00 1.7
MNK 125.56 46 iPKP 56 33.00 1.8	MBC 136.57 341 PKP 56 56.00 4.5X	Z 22s 21.70um 6.9Msz
Z 20s 22.90um 6.8Msz	PP 59 39.00	N 20s 10.40um
e 03 36.00	SS 17 32.80	E 22s 11.90um
eSS 15 32.00	SSS 22 50.40	PP 01 08.10
POO 125.56 108 ePKP 56 36.00 3.7X	KLU 136.59 316 ePKP 56 51.94 -0.2	SS 20 23.00

27d 13h

SMY	152.95	287	(PKP)	57	21.16	1.7
Z 19s			17.71um			6.9Msz
WHN	154.76	151	PKP	57	24.00	1.3
Z 20s			26.70um			7.1Msz
			PP	01	22.00	
LZH	155.48	126	ePKP	57	23.50	-0.2
			sPKP	57	27.00	
GTA	155.94	115	ePKP	57	24.00	-0.3
Z 20s			15.30um			6.8Msz
E 17s			6.67um			
			pPKP	57	36.00	
			sPKP	57	40.50	
			PKPab	57	53.40	
			PP	01	28.00	
			SKS	04	21.00	
			SKKS	08	10.00	
XAN	156.03	137	PKP	57	23.60	-0.8
Z 20s			11.90um			6.7Msz
N 20s			11.80um			
E 20s			3.69um			
			pPKP	57	32.00	
			PP	01	30.00	
			SS	21	10.00	
SSE	156.87	164	PKPc	57	30.00	4.5X
Z 20s			13.70um			6.8Msz
N 20s			9.60um			
E 18s			1.80um			
			SS	21	26.00	
NJ2	157.35	159	ePKP	57	28.00	1.9
Z 22s			13.30um			6.7Msz
N 20s			16.70um			
E 20s			8.76um			
KUMJ	158.82	186	ePKP	57	30.90	3.2X
WKYJ	159.91	198	PKP	57	26.20	-2.8X
TKSJ	159.93	194	PKP	57	26.40	-2.5X
SHNJ	160.38	187	ePKP	57	32.70	3.3X
TIY	160.63	139	ePKP	57	32.40	2.8X
Z 18s			23.30um			
E 19s			9.54um			
			PP	01	54.00	
			SS	22	05.00	
TIA	160.87	151	ePKP	57	33.00	3.2X
Z 20s			20.60um			
N 19s			8.20um			
E 19s			3.56um			
			PP	02	00.00	
			SS	22	12.00	
YONJ	161.20	193	PKP	57	32.90	2.7X
MAJO	161.57	206	ePKP	57	28.31	-2.2
			ePKPab	58	16.18	
MAT	161.57	206	ePKP	57	33.00	2.5
Z 20s			9.93um			
TIK	161.95	360	iPKPc	57	26.00	-3.8X
2.0s			65.00nm			
			e	58	14.00	
			i	02	04.00	
PET	161.97	280	ePKP	57	40.00	9.7X
			e	04	36.00	
			ePPP	05	48.00	
BTO	162.00	129	ePKP	57	30.50	-0.5
N 18s			1.76um			
E 16s			0.98um			
			sPKP	57	44.00	
			FKPab	58	25.00	
			PP	02	10.00	
			eSKKS	08	45.00	
HHC	162.90	132	PKP	57	37.00	5.1X
Z 23s			17.70um			
N 20s			8.77um			
E 20s			4.01um			
			pPKP	57	47.00	
BJI	164.06	144	ePKP	57	33.00	0.2
Z 20s			13.20um			
N 18s			6.47um			
			PP	02	10.00	
			eSKKS	08	56.00	
			eSS	22	44.00	
ZAK	164.24	92	ePKP	57	32.30	-0.4
2.0s			163.00nm			
			e	02	19.00	

			e	58	30.50	
			e	02	24.00	
			e	04	32.00	
			e	16	00.00	
			e	24	00.00	
SNY	167.74	163	iPKPd	57	40.00	4.3X
Z	22s	12.80um				
N	20s	4.91um				
E	23s	6.67um				
		pPKP	57	50.00		
		ePP	02	31.00		
		SS	23	15.00		
YSS	168.70	240	iPKP	57	49.00	12.8X
		e	02	34.00		
VLA	169.21	194	iPKP	57	43.00	6.4X
	3.0s	396.00nm				
		i	02	36.00		
CN2	169.95	168	ePKP	57	36.00	-1.1
Z	24s	10.00um				
N	20s	5.04um				
E	20s	8.18um				
		epPKP	57	51.00		
		ePKPab58	54.20			
		ePP	02	45.00		
		SS	23	34.00		
CIT	170.90	95	ePKP	57	41.00	3.6X
		e	02	58.00		
MDJ	170.92	185	ePKP	57	39.50	2.0
Z	24s	19.70um				
N	18s	6.80um				
E	18s	8.96um				
		PP	02	52.00		
		SKKS	09	37.00		
YAK	171.58	356	ePKP	57	46.90	9.7X
	2.0s	111.00nm				
	S.D. = 1.2	on 189 of 334 obs.				
<hr/>						
%	SEP 27, 1993	14h	04m	10.87± 2.11s		
	44.422 N ± 5.1km			7.588 E ± 25.9km		
	DEPTH = 10.0km			(geophysicist)		
	NORTHERN ITALY			(545)		
	ML 2.5 (LDG).					
SBF	0.57	191	Pg	04	22.50	0.0
			Sg	04	29.60	
FRF	1.10	219	Pg	04	31.50	0.0
			Sg	04	45.00	
LPG	1.23	331	Pg	04	34.00	0.1
LPL	1.25	331	Pg	04	34.20	-0.1
LRG	1.31	223	Pg	04	35.20	0.1
			Sg	04	50.70	
LMR	1.34	216	Pg	04	35.40	-0.1
			Sg	04	52.50	
	S.D. = 0.1	on	6 of	6 obs.		
<hr/>						
%	SEP 27, 1993	14h	15m	19.92± 0.83s		
	41.108 N ± 8.1km			28.517 E ± 7.3km		
	DEPTH = 5.0km			(geophysicist)		
	TURKEY			(366)		
	ML 2.7 (ISK).					
CTT	0.08	301	iPg	15	21.80	0.0
KCT	0.87	188	ePg	15	37.00	-0.1
DMK	0.91	322	iPg	15	37.80	-0.1
			iSg	15	50.00	
HRT	0.92	108	ePn	15	38.00	0.0
MFT	0.99	251	iPn	15	39.30	0.1
	S.D. = 0.1	on	5 of	5 obs.		
<hr/>						
%	SEP 27, 1993	15h	04m	59.49± 0.93s		
	26.374 S ± 10.6km			27.536 E ± 11.5km		
	DEPTH = 5.0km			(geophysicist)		
	REPUBLIC OF SOUTH AFRICA			(584)		
	ML 2.5 (PRE).					
PRY	0.55	186	eP	05	11.00	0.4
			S	05	18.00	
SLR	0.93	47	eP	05	17.50	-0.2
			S	05	29.00	
SWZ	2.13	247	eP	05	36.80	0.4
			S	06	02.30	
BFT	2.36	74	eP	05	40.00	0.3
			S	06	09.00	
BLF	2.97	203	e(P)	05	47.50	-0.9
			S			

%	SEP 27, 1993	15h 14m 50.69± 0.86s		
	41.028 N ±10.0km	28.433 E ± 6.0km		
	DEPTH = 10.0km (geophysicist)			
TURKEY				(366)
ML 2.8 (ISK).				
CTT	0.12 359	iPg	14 53.30	-0.4
ISK	0.48 85	iPg	15 00.40	0.1
		iSg	15 06.80	
MFT	0.91 255	ePg	15 08.00	-0.1
DMK	0.94 328	iPg	15 09.00	0.4
		iSg	15 22.00	
HRT	0.96 102	ePg	15 09.00	0.0
	S.D. = 0.4	on	5 of 5 obs.	

? SEP 27, 1993	15h 27m 21.49± 3.44s			
	41.819 N ±25.7km	27.560 E ±20.6km		
	DEPTH = 10.0km (geophysicist)			
TURKEY				(366)
ML 2.8 (ISK).				
DMK	0.15 89	iPg	27 25.00	0.1
		iSg	27 28.00	
CTT	0.94 135	iPg	27 39.30	-0.1
		eSg	27 53.30	
MFT	1.05 192	ePn	27 41.80	0.4
KGT	1.38 188	ePn	27 46.30	-0.4
	S.D. = 0.6	on	4 of 4 obs.	

? SEP 27, 1993	16h 07m 26.96± 2.17s			
	9.740 N ±17.8km	126.947 E ±22.5km		
	DEPTH = 33.0km (normal)			
	4.3mb (3 obs.)			
MINDANAO, PHILIPPINE ISLANDS				(259)
BIP	1.66 205	iPc	07 53.00	-1.1
		iS	08 10.00	
PLP	2.40 306	ePd	08 03.80	-1.0
CGP	2.57 240	eP	08 08.00	0.9
MAP	2.98 281	eP	08 14.00	1.0
WR2	30.39 166	eP	13 40.30	1.8
	0.5s	2.50nm		4.3mb
ASPA	33.89 169	eP	14 12.00	2.9X
	1.2s	3.70nm		4.2mb
MRWA	40.14 195	eP	15 00.00	-1.7
	0.5s	3.00nm		4.3mb
	S.D. = 1.8	on	6 of 7 obs.	

SEP 27, 1993	16h 27m 17.58± 0.91s			
	14.727 S ± 6.0km	75.970 W ± 6.2km		
	DEPTH = 27.3 ± 6.2 km			
	5.0mb (33 obs.)			
NEAR COAST OF PERU				(115)
Felt (IV) at Palpa and (III) at Ica.				
NNA	2.85 343	eP	28 02.30	0.0
	0.6s	333.33nm		
		i	28 05.30	
		e	28 45.00	
ARE	4.65 112	eP	28 26.00	-2.1
		iS	29 27.00	
LPZ	7.72 103	P	29 13.50	1.9
		i	29 17.50	
		i	31 17.00	
		LR	32 33.00	
LPB	7.79 104	P	29 14.50	2.0
	Z 20s	1.42um		
		i	29 20.20	
		LR	38 26.00	
CNCB	7.97 106	Pc	29 14.90	-0.1
		i	29 50.00	
CCH	9.82 107	P	29 39.70	-0.8
SIV	14.42 97	P	30 37.70	-4.4X
RTRS	16.50 160	eP	31 09.90	1.2
RTCB	17.93 160	iPd	31 26.00	-0.8
CFA	18.23 158	ePd	31 30.00	-0.4
SDV	24.05 13	iPd	32 33.40	1.6
PPD	24.48 111	eP	32 36.20	0.4
BAO	27.01 96	eP	33 00.10	0.5
		i	33 02.00	
		i	33 07.80	
		i	33 28.80	
RSTA	27.17 115	eP	33 00.30	-0.6
VAO	28.61 111	(P)	33 12.00	-2.0
LTX	51.32 329	eP	36 20.59	-1.3
NAV	51.96 355	(P)	36 25.78	-0.7

27d 16h

FVM	54.16	346	eP	36	41.33	-1.4	0.8s	4.50nm				NMTM	0.97	200	P	06	57.93	-1.0		
	0.7s	9.19nm				4.9mb						GHLM	1.02	229	P	06	59.47	-0.5		
BINY	56.64	360	eP	36	59.76	-0.9	KKN	158.26	50	PKP	47 16.20	2.0	AFDM	1.13	133	P	07	01.13	-0.5	
	0.8s	12.52nm				5.0mb		S.D. = 0.9	on	68	of	71	obs.	AHRM	1.14	139	P	07	01.42	-0.5
ALQ	57.25	330	eP	37	05.13	-0.2	?	SEP 27, 1993	16h	31m	50.55±	5.63s	LHCM	1.15	20	P	07	02.72	0.6	
	0.8s	5.49nm				4.6mb							AFHM	1.18	125	P	07	01.80	-0.7	
TUC	57.43	325	eP	37	07.85	1.3		DEPTH = 216.0 ± 47.2 km					KPPM	1.20	302	P	07	03.44	0.5	
	0.8s	4.60nm				4.6mb		NEAR COAST OF CENTRAL CHILE			(135)		LGPM	1.34	333	eP	07	02.42	-2.8	
RSNY	59.00	1	eP	37	16.66	-0.5							ASMM	1.38	130	P	07	05.57	-0.2	
	0.8s	10.93nm				5.0mb							NTYM	1.42	200	(P)	07	09.76	3.6	
LMN	61.13	9	eP	37	31.50	-0.2	PEL	3.07	160	iP	32 42.20	-0.1	KCRM	1.54	298	P	07	16.04	8.0	
PV08	61.22	331	eP	37	32.85	0.0							ADWM	1.58	144	P	07	09.02	0.5	
PV10	61.24	331	eP	37	31.93	-1.0	ZON	3.09	115	eP	32 42.00	-0.5	LBFM	1.63	4	eP	07	08.44	-1.0	
SRU	62.53	330	eP	37	41.31	-0.2	CFA	3.46	114	e(P)	32 47.70	0.8	CMB	2.12	142	eP	07	17.08	0.7	
MSU	62.88	329	eP	37	44.31	0.4														
ARUT	62.98	327	eP	37	45.32	0.9	RFA	5.37	148	e(P)	33 11.00	0.2								
EMUT	63.22	330	eP	37	46.38	0.3														
DAU	63.90	331	eP	37	50.83	0.2	CYA	5.67	73	ePc	33 14.50	0.0	MMPM	3.16	131	ePn	07	30.35	-1.1	
RSSD	63.92	338	eP	37	49.99	-0.6								BONR	3.40	120	ePn	07	35.61	0.7
	0.7s	6.04nm				4.8mb	MRA	5.75	113	ePc	33 15.10	-0.4								
	0.7s	9.40nm				5.0mb		S.D. = 0.8	on	6	of	6	obs.							
DUG	64.49	329	eP	37	54.95	0.7		SEP 27, 1993	17h	51m	20.96±	0.88s								
	0.7s	9.40nm				5.0mb														
BW06	65.01	333	eP	37	57.02	-0.7		29.409 S ± 4.7km			72.100 W ± 11.0km									
	0.9s	3.02nm				4.4mb		DEPTH = 33.0km (normal)												
HVU	65.68	331	eP	38	01.55	-0.4		OFF COAST OF CENTRAL CHILE			(134)									
PTI	66.34	332	eP	38	05.40	-0.8	RTRS	2.42	109	iPc	51 59.00	0.0	NKA	0.31	269	eP	38	18.39	1.5	
HHAI	66.67	332	eP	38	08.58	0.3	JACH	3.51	159	iP	52 14.91	0.3	SLKM	0.31	141	iP	38	16.63	-0.4	
ULM	67.02	346	eP	38	12.00	1.8														
JAQ	68.25	0	eP	38	16.50	-1.3														
LRM	68.69	333	eP	38	21.30	0.3														
LIC	73.33	79	P	38	48.68	-0.6	RTCB	3.52	127	ePc	52 14.80	0.0	MPA	0.67	112	iP	38	21.05	-0.7	
	1.0s	13.50nm				4.9mb														
TIC	73.46	78	P	38	49.44	-0.6														
	1.0s	10.00nm				4.8mb	ZON	3.64	127	eP	52 18.20	1.8	SUA	0.72	355	iP	38	21.80	-0.8	
KIC	73.64	79	P	38	50.54	-0.5	ROCH	3.67	166	iP	52 17.11	0.1								
	0.9s	24.50nm				5.2mb														
SPA	75.37	180	iPc	39	00.80	0.4	RTLL	3.68	122	ePd	52 17.00	0.1	PTE	0.79	81	eP	38	22.66	-0.7	
	0.9s	4.55nm				4.5mb														
YKA	82.69	343	eP	39	39.20	-0.5	PEL	3.91	162	iPd	52 20.50	0.2	SPU	0.83	302	iP	38	23.26	-0.7	
	1.0s	4.90nm				4.6mb														
LPF	91.05	40	eP	40	20.40	-0.3	CFA	3.99	124	eP	52 21.00	-0.4	BKG	0.87	293	eP	38	23.79	-0.8	
	1.1s	17.60nm				5.3mb														
MFF	91.12	42	eP	40	21.10	0.0	LCCH	4.08	174	iP	52 22.56	0.0	SEW	0.87	138	eP	38	23.16	-1.3	
	1.1s	12.70nm				5.2mb														
LFF	91.14	44	eP	40	21.30	0.1	FCH	4.20	159	iP	52 25.18	0.5	CGLM	0.88	310	eP	38	24.10	-0.7	
	1.2s	34.80nm				5.6mb														
GRR	91.29	40	eP	40	21.80	0.0	SAN	4.21	163	iP	52 24.68	0.1	CKT	0.90	301	eP	38	24.27	-0.8	
	0.9s	6.70nm				5.0mb	TACH	4.35	167	iP	52 26.32	-0.1								
LPO	91.35	44	eP	40	22.40	0.2	PCH	4.41	163	iP	52 27.36	-0.1	RDT	0.90	260	eP	38	24.20	-0.9	
	1.0s	10.60nm				5.2mb														
FLN	91.66	40	eP	40	23.90	0.4	LNK	4.57	173	iP	52 28.67	-0.9	CKN	0.90	303	eP	38	24.56	-0.5	
	1.1s	17.10nm				5.4mb														
RJF	91.78	44	eP	40	24.30	0.1	CACH	4.86	165	iP	52 33.77	-0.1	CRP	0.91	305	eP	38	24.97	-0.4	
	1.0s	13.80nm				5.3mb														
LDF	91.83	40	eP	40	25.10	0.8	RTPR	4.94	102	ePc	52 33.10	-1.6								
	1.0s	10.40nm				5.2mb														
CAF	92.02	44	eP	40	25.40	0.1	CYA	5.61	82	ePd	52 42.00	-2.3	NCG	1.00	312	eP	38	25.84	-0.6	
	1.1s	11.50nm				5.2mb														
INK	92.38	342	eP	40	27.50	1.1	ANT	5.88	15	eP	52 45.80	-2.2	BGL	1.01	302	eP	38	26.00	-0.6	
	1.0s	3.00nm				4.7mb	TCA	6.77	108	iP	52 56.50	-4.1X	DFR	1.03	262	eP	38	25.88	-1.1	
TCF	92.55	43	eP	40	27.70	0.0	SLA	7.51	53	e(P)	53 13.50	2.4	REF	1.06	257	eP	38	26.67	-0.8	
	1.3s	8.30nm				5.0mb	CNCB	13.10	18	P	54 33.80	6.0X								
MAF	92.77	43	eP	40	28.70	0.0	LPB	13.33	17	P	54 31.50	0.7	RSO	1.09	256	eP	38	27.30	-0.6	
	1.1s	8.05nm				5.1mb	LPBZ	13.56	16	P	54 33.80	-0.2	RS2	1.10	256	eP	38	27.23	-0.7	
BGF	93.06	43	eP	40	30.20	0.2	SIV	16.77	40	P	55 16.80	1.8	PLRM	1.11	40	eP	38	27.25	-0.7	
	0.6s	4.35nm				5.1mb	PPD	20.10	73	eP	55 51.30	-3.4X	RDW	1.12	257	eP	38	27.51	-0.7	
SMF	93.74	43	eP	40	33.20	0.1		S.D. = 1.2	on	22	of	25	obs.	RED	1.12	254	eP	38	27.37	-0.8
	0.9s	7.20nm				5.1mb														
LOR	93.93	42	eP	40	33.90	-0.2		SEP 27, 1993	18h	06m	40.75s									
	1.1s	9.30nm				5.1mb														
FRF	94.77	46	eP	40	38.40	0.5		39.722 N			122.030 W									
	0.8s	4.85nm				5.0mb		DEPTH = 12.7km												
LPL	95.35	44	eP	40	41.60	0.7		NORTHERN CALIFORNIA			(36)									
	0.9s	4.10nm				4.9mb		<GM-P>. MD 3.0 (GM). ML 3.3												
LPG	95.36	44	eP	40	41.90	0.9		(GS).												
	1.0s	5.40nm				4.9mb	OGOM	0.33	102	P	06 47.72	0.0	HOM	1.21	206	eP	38	29.06	-0.3	
HAU	95.76	42	eP	40	42.30	-0.1	ORV	0.44	112	ePd	06 49.42	-0.4	KNK	1.24	57	eP	38	29.17	-0.7	
BSF	96.00	42	eP	40	43.60	-0.1														
CDF	96.46	42	eP	40	45.60	-0.1	OWYM	0.50	122	P	06 50.49	-0.4								
	0.9s	6.40nm				5.1mb	OHCM	0.57	132	P	06 51.65	-0.5	CNPM	1.27	195	eP	38	29.30	-0.9	
GRF	99.28	41	eP	41	01.00	2.7X	AOHM	0.69	120	P	06 53.82	-0.4	GHO	1.31	38	eP	38	30.23	-0.7	
GEC2	100.72	42	Pdiff	41	02.50	-2.5	MIN	0.70	28	P	06 54.29	-0.2	SKT	1.31	341	eP	38	30.63	-0.2	
	0.9s	1.98nm				4.6mb	GHVM	0.84	221	P	06 56.95	0.2								
WR2	134.42	222	iPKPc	46	35.20	-0.5	GHGM	0.85	226	P	06 56.93	-0.1	ILIM	1.34	241	eP	38	30.51	-0.8	
	0.6s	4.50nm				5.0mb	AARM	0.90	119	P	06 57.47	-0.3	INE	1.40	241	eP	38	31.30	-0.9	
BJI	152.63	339	ePKP	47	07.50	1.4	LHKM	0.92	39	P	06 58.31	0.1	INW	1.42	242	eP	38	32.03	-0.5	
	0.6s	4.50nm				5.0mb	WDC	0.94	336	ePc	06 56.43	-2.0								
GBA	154.20	89	PKP	47	17.40	8.5X														

27d 18h

AUH	1.99	227	eP	38	40.56	0.0
AUW	1.99	227	eP	38	40.66	0.1
PDB	2.03	243	eP	38	41.10	0.0
HIN	2.06	98	eP	38	42.30	0.7
SYI	2.33	204	eP	38	44.31	-1.0
CDD	2.38	221	eP	38	45.72	-0.4
KLU	2.40	70	eP	38	44.45	-2.0
TOA	2.53	56	eP	38	47.31	-1.0
TRF	2.72	3	eP	38	51.59	0.5
DHY	2.79	32	eP	38	53.48	1.3
KTH	2.82	357	eP	38	52.75	0.3
GLB	3.38	75	eP	38	58.00	-2.3

53 obs. associated

SEP 27, 1993 20h 14m 36.74± 0.70s
 26.370 S ± 5.4km 27.313 E ± 7.8km
 DEPTH = 5.0km (geophysicist)
 REPUBLIC OF SOUTH AFRICA (584)
 ML 3.1 (PRE).

PRY	0.57	166	eP	14	48.50	0.2
			S	14	55.60	
KSR	0.63	323	eP	14	49.50	0.2
			S	14	57.50	
SLR	1.08	54	iPd	14	57.50	-0.1
			S	15	11.50	
SWZ	1.95	245	eP	15	11.90	0.9X
			S	15	36.00	
SEK	1.97	172	iPd	15	11.60	0.4
			S	15	35.00	
BFT	2.55	75	eP	15	19.50	-0.1
			S	15	49.50	
BLF	2.90	200	eP	15	24.00	-0.6
			S	16	01.50	
BUL	6.31	11	iPn	15	12.40	-60.5X
			iSn	16	36.50	
			iSg	16	53.40	
SUR	8.25	222	eP	16	36.00	-4.1X
			S	18	03.00	
KRI	9.73	13	iPn	15	58.00	-62.6X
			iSn	17	40.80	
			iSg	18	35.40	
CER	9.85	223	e(P)	16	57.00	-5.0X
			S	18	38.60	

S.D. = 0.5 on 6 of 11 obs.

& SEP 27, 1993 20h 15m 21.72s
 35.785 N 120.334 W
 DEPTH = 9.4km
 CENTRAL CALIFORNIA (39)
 <GM-P>. MD 3.5 (GM). ML 3.5
 (PAS), 3.3 (BRK). Felt (III) at
 Parkfield and Shandon. Also felt
 at Paso Robles.

GHC	0.05	342	P	15	23.81	0.0
PMCM	0.07	206	P	15	24.23	0.2
PHAM	0.07	314	iPc	15	24.20	0.1
PAGM	0.09	128	P	15	24.44	0.2
CTM	0.15	359	P	15	25.95	0.8
WKR	0.15	282	P	15	25.64	0.5
PSTM	0.20	315	P	15	26.35	0.2
PCRM	0.32	345	P	15	29.27	1.0
PKEM	0.33	33	iPd	15	30.08	1.5
PSMM	0.35	323	P	15	29.62	0.6
PMGM	0.39	203	P	15	29.29	-0.3
PRI	0.45	323	iP	15	31.25	0.4
PTV	0.45	316	P	15	30.88	0.0
PADM	0.46	252	P	15	30.82	-0.2
YEG	0.46	139	P	15	31.29	0.2
PANM	0.47	270	P	15	31.13	-0.1
PHBM	0.51	24	P	15	33.70	1.8
PSAM	0.51	298	P	15	31.72	-0.3
PRCM	0.52	334	P	15	33.04	0.7
PDRM	0.55	357	P	15	33.77	0.9
MOP	0.57	319	P	15	33.29	0.1
BCH	0.63	161	iPd	15	33.83	-0.6
PWMM	0.65	9	P	15	35.84	1.1
BTW	0.72	318	P	15	35.61	-0.3
LRC	0.74	309	P	15	35.77	-0.5
SCCM	0.85	171	P	15	37.88	-0.4
SHG	0.97	310	P	15	39.88	-0.4
PKM	0.98	154	P	15	40.10	-0.5
PRS	1.00	303	iP	15	40.25	-0.5
			iS	15	53.89	
EKH	1.11	323	P	15	43.14	0.5
BAPM	1.13	291	P	15	42.11	-0.9

BPRM	1.29	299	P	15	44.20	-1.5
BVYM	1.30	318	P	15	44.77	-1.1
ABL	1.30	135	ePn	15	44.08	-2.0
FRI	1.31	23	iPd	15	44.70	-1.2
			iS	16	01.83	
SAO	1.33	318	ePn	15	45.03	-1.3
FRP	1.34	316	P	15	45.52	-1.1
LPC	1.38	158	P	15	48.43	1.2
WASM	1.45	91	P	15	46.99	-1.2
DIL	1.49	315	P	15	47.52	-1.1
FTC	1.49	127	P	15	47.10	-1.6
ISA	1.52	94	ePnc	15	47.57	-1.5
WJPM	1.56	103	P	15	48.13	-1.5
HCOM	1.56	315	P	15	48.84	-0.8
GHS	1.59	326	P	15	49.47	-0.6
CBO	1.72	321	P	15	51.04	-0.8
EUC	1.74	317	P	15	51.75	-0.4
COE	1.82	324	ePn	15	52.88	-0.5
GCC	1.83	313	iPd	15	51.79	-1.7
			iS	16	17.82	
ARN	1.84	329	ePn	15	52.79	-0.9
WCHM	1.84	86	P	15	53.86	-0.1
JSTM	1.84	321	P	15	52.74	-1.0
MHC	1.88	326	eP	15	53.39	-0.9
MMPM	2.10	30	ePn	15	57.16	-0.6
MTUM	2.12	42	ePnd	15	58.23	0.4
MEMM	2.19	30	eP	15	58.97	0.3
CMB	2.25	359	ePd	15	59.57	0.0
PCC	2.38	317	iPd	15	59.15	-2.2
MRCM	2.39	37	eP	16	02.18	0.4
JEGM	2.43	316	eP	15	59.18	-3.0
HMR	2.64	334	(P)	16	09.80	4.7
ZSP	2.65	325	iPd	16	02.95	-2.3
SSK	2.68	125	eP	16	05.15	-0.7
BONR	2.71	36	eP	16	06.13	-0.3
GSC	2.92	98	eP	16	06.39	-2.8
PEC	3.22	125	eP	16	11.16	-2.3
TNP	3.39	47	eP	16	15.44	-0.6
TPNV	3.50	69	ePn	16	17.01	-0.4
PLM	3.75	129	eP	16	18.91	-2.3
ORV	3.88	347	eP	16	23.70	1.0
ARUT	5.88	68	(P)	16	56.95	5.7

71 obs. associated

SEP 27, 1993 20h 20m 29.12± 0.79s
 39.199 N ± 8.8km 21.488 E ± 7.0km
 DEPTH = 33.0km (normal)
 GREECE (364)
 MD 3.0 (ATH). ML 2.7 (THE).

AGG	0.68	105	ePg	20	42.36	0.1
			eSg	20	53.60	
IGT	0.96	291	ePg	20	44.16	-2.1
			iSg	20	58.08	
KZN	1.13	11	ePb	20	47.50	-1.2
LIT	1.19	40	ePb	20	50.00	0.5
			eSb	21	07.76	
VLS	1.24	215	ePb	20	50.00	-0.2
KEK	1.41	292	ePb	20	55.00	2.4
FNA	1.59	357	ePb	20	55.80	0.5
			eSb	21	16.68	
PAIG	1.84	66	ePn	20	59.00	0.0
SOH	2.16	41	ePn	21	03.80	0.2
KNT	2.24	28	iPn	21	04.50	-0.1
SRS	2.50	39	ePn	21	08.28	-0.1
			iSn	21	40.00	

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

& SEP 27, 1993 20h 31m 51.95s
 59.967 N 152.597 W
 DEPTH = 97.2km
 SOUTHERN ALASKA (2)
 <AEIC>.

ILIM	0.21	302	iPc	32	05.35	0.8
			eS	32	16.31	
INE	0.25	292	eP	32	05.59	0.8
			eS	32	16.83	
INW	0.29	291	eP	32	05.57	-0.9
			eS	32	17.51	
OPT	0.45	226	eP	32	06.54	-0.8
			eS	32	17.69	
RED	0.46	349	eP	32	06.72	-0.8
			eS	32	18.40	
RS2	0.50	351	eP	32	07.47	-0.5
REF	0.53	354	iPd	32	07.50	-0.6
			eS	32	19.54	

RDW	0.53	349	eP	32	07.44	-0.7
			eS	32	19.28	
HOM	0.57	122	ePc	32	07.78	-0.4
			eS	32	20.57	
RDT	0.62	9	iPd	32	07.85	-0.8
NCT	0.62	345	eP	32	07.44	-1.3
			eS	32	20.35	
DFR	0.63	356	iPd	32	08.09	-0.7
			eS	32	20.51	
XLV	0.68	139	eP	32	08.00	-1.2
AUL	0.72	216	eP	32	08.81	-0.8
			eS	32	22.84	
AUE	0.73	213	eP	32	08.66	-0.9
AUP	0.74	215	eP	32	08.54	-1.3
AUH	0.74	216	eP	32	08.94	-0.9
AUW	0.75	217	ePc	32	08.96	-0.8
CNPM	0.82	122	iPc	32	09.73	-0.8
			eS	32	23.79	
PDB	0.82	258	iPd	32	09.64	-0.9
			eS	32	23.47	
BRWK	0.89	103	eP	32	10.91	-0.3
			eS	32	24.43	
NKA	1.03	40	eP	32	13.84	1.1
BKG	1.12	8	ePd	32	13.14	-0.8
			eS	32	29.78	
CDD	1.17	208	ePd	32	12.90	-1.5
			eS	32	29.89	
CKL	1.24	6	iPd	32	14.62	-0.7
SPU	1.25	12	iPd	32	14.59	-0.8
			eS	32	32.55	
CKT	1.25	9	iPd	32	14.68	-0.8
CKN	1.28	9	eP	32	15.15	-0.6
SLKM	1.30	64	eP	32	14.67	-1.4
			eS	32	32.58	
BGL	1.31	4	iPd	32	15.49	-0.6
CP2	1.31	8	iPd	32	15.77	-0.6
CRP	1.32	9	eP	32	15.82	-0.6
			eS	32	34.41	
SYI	1.37	175	eP	32	15.58	-1.2
			eS	32	34.18	
CGLM	1.38	12	ePd	32	16.34	-0.7
NCG	1.46	8	eP	32	17.29	-0.7
SEW	1.59	84	eP	32	18.17	-1.3
			eS	32	38.34	
MPA	1.70	71	eP	32	19.73	-1.2
			eS	32	40.60	
SUA	1.76	30	ePd	32	21.22	-0.6
SVW	1.88	309	eP	32	20.70	-2.7
PTE	1.99	62	eP	32	23.24	-1.5
SKT	2.09	14	eP	32	24.79	-1.3
PWA	2.15	37	P	32	26.20	-0.7
KDC	2.23	179	(P)	32	27.45	-0.4
PWL	2.30	65	eP	32	26.49	-2.4
PLRM	2.36	45	eP	32	27.58	-2.1
KNK	2.50	53	eP	32	29.36	-2.3
			eS	32	58.51	
GHO	2.55	43	eP	32	30.75	-1.6
CFI	2.68	61	eP	32	32.01	-2.0
CUT	2.69	24	eP	32	33.56	-0.6
SML	2.79	47	eP	32	33.29	-2.2
HIN	3.08	79	eP	32	37.66	-1.8
SCM	3.18	52	eP	32	38.67	-2.3
VLZ	3.31	67	eP	32	40.83	

27d 20h

ASPA 21.29 211 eP 42 29.20 0.0
1.3s 8.00nm 3.9mb
Z 21s 0.10um 3.2msz
e 42 44.00
eS 46 24.20
STK 26.56 187 eP 43 19.10 -0.5
1.2s 4.30nm 3.9mb
S.D. = 1.4 on 8 of 10 obs.

% SEP 27, 1993 20h 55m 15.00± 0.65s
26.393 S ± 5.6km 27.327 E ± 6.8km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 3.1 (PRE).

PRY 0.55 166 eP 55 25.90 -0.1
S 55 33.20
KSR 0.65 324 eP 55 28.00 -0.1
S 55 36.50
SLR 1.08 53 iPd 55 36.50 0.6
S 55 50.50
SEK 1.94 172 iPc 55 50.00 0.9
S 56 13.00
SWZ 1.95 246 eP 55 49.50 0.2
S 56 14.00
BFT 2.54 75 eP 55 57.00 -0.8
S 56 27.50
BLF 2.89 200 eP 56 02.00 -0.7
S 56 36.00
S.D. = 0.8 on 7 of 7 obs.

% SEP 27, 1993 21h 47m 17.39± 0.65s
31.729 S ± 6.3km 117.084 E ± 6.2km
DEPTH = 10.0km (geophysicist)
WESTERN AUSTRALIA (590)

KLB 0.59 77 iPd 47 29.40 0.0
iS 47 37.40
MUN 0.79 251 iPd 47 32.60 -0.1
iS 47 42.50
BAL 1.16 344 iPd 47 38.90 -0.3
0.2s 6.00nm
iS 47 53.30
NWA0 1.20 174 iPc 47 39.80 0.0
eS 47 55.90
MRWA 2.67 339 eP 48 01.60 0.3
eS 48 33.00
COOL 3.58 77 eP 48 14.00 -0.1
eS 48 54.00
S.D. = 0.3 on 6 of 6 obs.

SEP 27, 1993 22h 11m 58.79± 0.39s
49.796 N ± 8.2km 155.736 E ± 8.7km
DEPTH = 33.0km (normal)
4.7mb (29 obs.)
KURIL ISLANDS (221)

KUSJ 10.13 233 eP 14 23.20 -1.7
eS 16 10.30
ASAJ 10.59 243 eP 14 36.40 5.1X
MAT 18.35 230 eP 16 13.00 0.8
1.0s 12.00nm 4.0mb
WKYJ 21.49 231 P 16 47.20 0.6
YONJ 21.86 236 P 16 50.90 0.6
TKSJ 22.47 233 P 16 57.60 1.3
IMA 30.32 39 eP 18 10.00 0.9
1.0s 10.75nm 4.6mb
CP2 30.74 48 eP 18 13.05 0.1
FBA 32.70 41 eP 18 31.00 1.2
0.9s 26.25nm 5.1mb
KLU 33.76 47 eP 18 38.18 -0.9
BALM 35.53 48 eP 18 54.79 0.4
INK 38.14 35 eP 19 17.00 1.0
1.0s 3.00nm 4.1mb
YKA 47.44 39 eP 20 31.00 -0.6
0.9s 5.20nm 4.5mb
CHTO 54.53 257 eP 21 26.10 0.4
LRM 57.99 56 eP 21 49.80 -0.8
e 22 04.50
NB2 65.89 342 P 22 41.50 -1.5
0.8s 1.30nm 4.1mb
HFS 66.20 340 eP 22 42.30 -2.5
0.4s 1.30nm 4.4mb
Z 20s 0.06um 3.8msz
LR 47 03.00
WR2 71.98 201 eP 23 19.40 -1.5
0.9s 6.20nm 4.6mb

GBA 72.20 270 P 23 23.00 0.6
ASPA 75.67 201 eP 23 41.90 -0.4
1.0s 4.80nm 4.4mb
ELC 76.08 48 P 23 28.11 -16.4X
KHC 76.23 335 eP 23 46.50 1.3
GEC2 76.45 335 P 23 45.50 -1.1
0.4s 0.27nm 3.6mb X
e 23 51.00
PcP 24 03.00

FLN 79.71 344 eP 24 03.80 -0.5
0.7s 3.95nm 4.5mb
LDF 79.81 344 eP 24 04.30 -0.5
0.6s 6.95nm 4.8mb
GRR 80.14 344 eP 24 06.60 0.0
0.8s 9.40nm 4.8mb
LOR 80.30 341 eP 24 07.10 -0.4
0.5s 2.05nm 4.4mb
LPF 80.51 344 eP 24 08.50 -0.1
0.6s 7.30nm 4.9mb
SSF 80.57 341 eP 24 08.70 -0.3
0.5s 1.70nm 4.3mb
AVF 80.86 341 eP 24 10.30 -0.2
0.9s 6.20nm 4.6mb
SMF 80.90 341 eP 24 10.80 0.1
0.7s 4.95nm 4.6mb
LPL 81.32 339 eP 24 13.70 0.5
0.5s 3.65nm 4.6mb
LPG 81.33 338 eP 24 13.90 0.6
0.9s 9.50nm 4.8mb
MAF 81.57 342 eP 24 14.60 0.4
0.9s 10.15nm 4.8mb
TCF 81.58 342 eP 24 14.30 0.0
0.7s 3.95nm 4.5mb
MFF 81.73 343 eP 24 15.30 0.3
0.8s 6.70nm 4.7mb
LSF 81.75 342 eP 24 15.30 0.2
0.5s 4.45nm 4.7mb
RJP 82.66 342 eP 24 20.10 0.2
1.1s 12.95nm 4.9mb
CAF 82.91 341 eP 24 21.80 0.6
0.6s 3.50nm 4.6mb
LFF 83.16 342 eP 24 23.00 0.5
0.8s 12.20nm 5.1mb
LPO 83.32 342 eP 24 23.70 0.4
1.0s 11.00nm 4.9mb
LRG 83.35 338 eP 24 23.60 0.2
1.1s 16.85nm 5.1mb
LMR 83.43 338 eP 24 23.80 0.0
1.1s 16.10nm 5.1mb
S.D. = 0.9 on 41 of 43 obs.

SEP 27, 1993 22h 25m 21.33± 0.58s
44.341 N ± 4.9km 20.635 E ± 7.1km
DEPTH = 10.0km (geophysicist)
NORTHWESTERN BALKAN REGION (383)

PLE 1.35 222 iPgD 25 46.05 -0.2
iSg 26 06.31
BZS 1.45 28 iPc 25 19.00 -28.6X
IVA 1.56 200 iPnd 25 48.60 -0.7
iSn 26 12.43
PVY 1.81 196 iPnd 25 53.73 0.8
iSn 26 18.13
GZR 1.85 55 ePd 25 53.50 0.1
NKY 1.94 218 ePn 25 55.49 0.8
iSn 26 21.69
BRY 2.09 227 iPnd 25 56.25 -0.8
iSn 26 25.41
TTG 2.16 208 iPnd 25 58.25 0.5
iSn 26 26.61
SKO 2.44 166 ePn 26 01.30 -0.5
BDV 2.44 213 iPnc 26 01.99 0.1
iSn 26 34.10
ULC 2.58 204 iPnc 26 03.96 0.1
iSn 26 37.37
UZD 2.68 328 ePn 26 05.40 0.2
OHR 3.23 178 ePn 26 22.80 9.7X
PTJ 3.66 297 eP 26 19.00 -0.3
MLR 3.94 71 eP 26 36.50 13.2X
ZST 4.57 329 eP 26 40.20 8.2X
VRI 4.57 68 eP 26 42.00 9.8X
TRI 5.06 288 eP 27 37.10 58.1X
S.D. = 0.6 on 12 of 18 obs.

? SEP 27, 1993 23h 28m 26.73± 3.34s
31.463 S ± 63.3km 69.123 W ± 47.2km
DEPTH = 100.0km (geophysicist)

SAN JUAN PROVINCE, ARGENTINA (137)

RTCB 0.28 95 ePd 28 41.50 0.0
S 28 54.00
RTLL 0.57 77 ePc 28 43.20 -0.2
S 28 57.50
CFA 0.77 101 ePd 28 45.70 0.6
S 29 01.30
MRA 3.05 109 e(P)c 29 13.60 -0.3
S.D. = 0.7 on 4 of 4 obs.

% SEP 27, 1993 23h 29m 39.19± 0.93s
44.869 N ± 6.2km 7.251 E ± 10.6km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 2.0 (GEN).

BHB 0.03 163 P 29 41.91 0.7
S 29 43.28
RSP 0.28 1 P 29 45.20 0.0
S 29 48.72
RRL 0.34 279 P 29 46.12 -0.1
S 29 50.51
PZZ 0.38 196 P 29 47.35 0.3
S 29 52.34
ENR 0.65 169 P 29 51.38 -0.9
S 29 59.57
S.D. = 0.8 on 5 of 5 obs.

SEP 28, 1993 00h 07m 42.20± 0.45s
40.628 N ± 4.0km 29.797 E ± 4.2km
DEPTH = 7.0 ± 3.1 km
TURKEY (366)
ML 3.6 (ISK). Felt at Iznik.

HRT 0.22 333 iPg 07 47.00 0.3
EYL 0.28 103 iPg 07 47.60 -0.4
IZI 0.38 220 iPg 07 51.00 1.0
GPA 0.52 131 iPg 07 52.80 0.2
ISK 0.71 308 iPg 07 56.60 0.2
iSg 08 06.60
ITU 0.76 309 iPgD 08 00.50 3.2X
iSg 08 10.00
CTT 1.16 297 iPn 08 04.70 0.6
KCT 1.16 251 iPn 08 04.10 -0.1
BNT 1.46 260 iPn 08 09.20 0.3
EDC 1.50 260 iPn 08 10.50 0.9
ALT 1.59 171 ePn 08 10.80 -0.1
KGT 1.91 266 iPn 08 15.60 0.2
MFT 1.92 276 iPn 08 15.20 -0.5
DMK 1.95 308 iPn 08 16.00 0.0
KHL 2.31 185 ePn 08 21.00 -0.4
EZN 2.78 254 iPn 08 28.20 0.3
IZM 2.97 222 ePn 08 30.10 -0.5
KAS 3.09 75 ePn 08 36.00 3.6X
iSg 09 20.50

SEP 28, 1993 00h 29m 03.74± 0.45s
32.673 S ± 5.7km 68.760 W ± 5.4km
DEPTH = 33.0km (normal)
MENDOZA PROVINCE, ARGENTINA (139)
MD 3.9 (SAN).

ZON 1.13 4 eP 29 23.40 0.1
eS 29 38.40
CFA 1.15 23 ePc 29 24.20 0.6
S 29 40.00
RTCB 1.18 358 ePd 29 24.00 -0.1
(S) 29 43.50
RTLL 1.36 11 ePc 29 27.20 0.5
S 29 45.00
FCH 1.44 243 iP 29 26.84 -1.3
iS 29 45.85
JACH 1.55 269 iP 29 28.53 -0.9
PEL 1.69 253 iP 29 30.76 -0.6
iS 29 51.84
PCH 1.75 237 iP 29 32.73 0.4

28d 00h

		iS	29 55.18	
ROCH	1.92 260	iP	29 35.14	0.2
TACH	2.07 241	iP	29 37.82	0.9
RFA	2.11 173	iPc	29 36.30	-1.1
		S	30 08.00	
CACH	2.11 226	iP	29 39.34	1.8
LCCH	2.49 251	iP	29 43.18	0.3
LVN	2.56 239	iP	29 43.53	-0.3
MRA	2.59 85	ePc	29 45.00	0.8
		(S)	30 18.50	
RTPR	3.05 40	e(P)	29 54.00	3.3X
TCA	3.78 71	eP	30 01.00	-0.2
		i	30 10.20	
CYA	4.93 32	e(P)	30 16.30	-1.2

S.D. = 0.9 on 17 of 18 obs.

* SEP 28, 1993 01h 17m 09.25± 1.11s
 27.291 S ± 11.0km 178.506 W ± 14.1km
 DEPTH = 379.4 ± 11.0 km
 4.4mb (5 obs.)

KERMADEC ISLANDS REGION (177)

RAO	2.02 165	iP	18 04.00	0.3
		iS	18 42.60	
PUZ	11.09 193	eP	19 40.10	-1.0
		eS	21 44.50	
URZ	11.54 198	eP	19 46.70	0.3
		eS	21 56.60	
NOZ	11.66 194	eP	19 48.90	1.1
PGZ	13.98 197	eP	20 15.00	1.2
MNG	14.19 199	eP	20 14.40	-1.8
		eS	22 51.40	
KIW	14.59 200	eP	20 19.20	-1.2
DZM	14.63 288	iPc	20 21.00	0.0
CAW	14.77 199	eP	20 18.40	-3.9X
CAN	28.80 246	e(P)	22 37.60	1.8
BWA	29.18 248	eP	22 38.60	-0.6
CTA	32.98 275	eP	23 12.70	0.7
	0.5s	249.30nm	5.8mb X	
ASPA	42.92 264	eP	24 33.40	-0.5
	0.7s	13.90nm	4.4mb	
WR2	43.59 269	iPd	24 38.60	-0.7
	0.3s	23.70nm	5.0mb	
COOL	52.31 251	eP	25 45.50	-0.1
BAL	56.09 250	eP	26 12.70	0.1
	0.5s	6.00nm	4.2mb	
MUN	56.18 248	eP	26 14.00	0.8
MRWA	57.04 251	eP	26 19.50	0.3
	0.5s	4.00nm	4.1mb	
MAT	75.44 325	eP	28 12.00	-1.9
	0.9s	16.81nm	4.8mb	
YKA	102.84 25	ePd	29 59.30	-25.9X
	0.6s	3.00nm		
NB2	145.62 352	PKP	36 04.90	1.2
	0.8s	9.10nm		
NAO	145.88 352	PKP	36 04.07	0.0
HFS	146.12 349	ePKP	36 04.70	0.3
	0.4s	3.80nm		

S.D. = 1.1 on 21 of 23 obs.

SEP 28, 1993 01h 21m 07.29± 0.61s
 14.546 N ± 9.4km 93.567 W ± 7.1km
 DEPTH = 33.0km (normal)
 4.3mb (2 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)

TPX	1.31 74	iPd	21 29.86	0.4
		iS	21 47.59	
SCX	2.36 22	eP	21 44.30	-0.2
		iS	22 14.41	
BVA	2.84 87	eP	21 52.45	0.9
PCG	2.87 93	eP	21 52.54	0.5
GCG	2.94 89	eP	21 52.93	0.0
		eS	22 29.46	
IXG	3.04 97	eP	21 54.73	0.4
		eS	22 34.33	
YUP	3.66 95	eP	22 03.55	0.3
OXX	3.95 310	iP	22 06.86	-0.4
		(S)	23 00.67	
IISM	5.73 321	iP	22 30.89	-1.4
		(S)	23 38.22	
LVVM	5.85 332	(P)	22 29.67	-4.4X
		(S)	23 42.87	
IIT	6.36 315	iP	22 45.64	4.2X
		(S)	23 54.35	
ACX	6.48 292	(P)	22 50.00	7.0X
PPM	6.61 314	iP	22 48.07	2.9X

IIA	6.69 314	iP	22 49.85	4.1X
UNM	7.18 312	(P)	22 55.00	2.1
CRX	7.59 310	(P)	23 48.00	49.3X
MRX	8.91 306	(P)	23 18.53	1.7
UYO	19.55 358	iPc	25 33.10	-2.2
TUL	21.37 355	iP	25 54.80	0.7
LRM	35.00 337	eP	27 59.00	0.0
		e	28 05.70	
LPZ	39.62 140	P	28 37.70	-0.8
		LR	41 14.00	
LPB	39.83 140	(P)	28 42.00	2.0
CNCB	40.11 140	P	28 42.00	-0.5
SIV	44.17 132	P	29 12.90	-2.2
MOCB	44.91 142	P	29 21.30	-0.2
NB2	84.39 28	P	33 37.80	0.3
	0.8s	2.10nm	4.4mb	
NSD	85.95 23	eP	33 43.50	-1.6
	0.5s	0.80nm	4.2mb	

S.D. = 1.3 on 21 of 27 obs.

SEP 28, 1993 01h 52m 12.38± 0.29s
 39.703 N ± 3.3km 20.606 E ± 2.4km
 DEPTH = 53.5 ± 8.6 km
 3.9mb (2 obs.)

GREECE-ALBANIA BORDER REGION (392)

		MD 3.8 (ATH).		
IGT	0.27 231	ePg	52 19.39	-2.3
		eSg	52 25.68	
LSK	0.45 359	iPg	52 19.00	-4.4X
		iSg	52 24.00	
SRN	0.50 291	iPgc	52 23.60	-0.3
		iSg	52 30.60	
KEK	0.62 271	ePn	52 25.00	-0.4
KZN	1.08 56	ePn	52 30.00	-1.5
VLO	1.14 312	iPnd	52 29.10	-3.2X
		iSn	52 46.60	
FNA	1.23 28	ePb	52 33.39	-0.2
		eSb	52 50.52	
OHR	1.41 6	iPnc	52 37.10	0.9
		i	52 38.60	
		i	52 57.00	
		i	52 58.40	
		Lg	52 59.00	
AGG	1.50 116	iPb	52 39.43	2.1
		iSb	53 01.31	
LIT	1.50 74	ePb	52 39.24	1.9
		eSb	52 59.64	
VLS	1.52 180	ePb	52 39.50	1.8
TIR	1.74 341	iPnd	52 42.00	1.4
		iSn	53 08.00	
GRG	1.86 47	ePn	52 43.04	0.7
		iSn	53 09.08	
PHP	1.98 356	iPnd	52 43.80	-0.3
		iSn	53 09.80	
THE	2.03 62	ePn	52 44.87	0.1
		eSn	53 09.68	
LACI	2.05 341	iPnc	52 45.50	0.5
		iSn	53 15.00	
LCI	2.13 288	P	52 45.29	-0.9
KNT	2.28 49	ePn	52 48.47	0.2
		eSn	53 17.35	
SKO	2.35 15	iPn	52 50.00	0.7
		i	52 55.00	
		iSn	53 14.50	
		i	53 18.50	
		Lg	53 26.00	
PAIG	2.38 84	iPn	52 49.75	0.1
		eSn	53 19.00	
SOH	2.38 61	iPn	52 50.33	0.6
		eSn	53 20.87	
ULC	2.48 336	iPnd	52 51.15	0.0
		iSn	53 28.32	
SDA	2.49 341	ePn	52 51.50	0.3
		iSn	53 35.00	
SRS	2.68 57	ePn	52 53.74	-0.3
BCI	2.69 351	iPnd	52 54.70	0.6
		iSn	53 14.70	
BRT	2.85 295	P	52 56.99	0.5
KKB	2.87 40	iP	52 56.00	-0.6
TTG	2.91 340	iPnc	52 57.06	-0.1
		iSn	53 39.60	
BDV	2.91 333	iPnc	52 57.06	-0.2
		iSn	53 37.67	
PVY	2.93 351	iPnc	52 58.91	1.3
		iSn	53 41.51	
ATH	2.98 124	ePn	52 58.00	-0.3

MMB	3.03 51	iP	52 58.00	-1.0
HCY	3.17 331	iPnd	53 00.21	-0.7
		iSn	53 43.63	
IVA	3.21 351	iPnc	53 02.65	1.1
		iSn	53 48.07	
ORI	3.22 278	P	53 04.42	2.8X
NKY	3.33 339	iPnc	53 02.97	-0.4
		iSn	53 49.07	
GRI	3.37 256	P	53 04.53	0.8
VTS	3.49 33	iP	53 06.00	0.4
VLI	3.50 148	ePn	53 05.50	-0.1
BRY	3.55 335	iPnc	53 05.39	-1.1
		iSn	53 53.86	
RZN	3.70 56	iP	53 08.00	-0.6
PLE	3.74 346	iPnd	53 09.47	0.5
		iSn	54 00.38	
SOI	3.91 247	P	53 12.28	1.0
MGR	3.91 278	P	53 13.06	1.7
RDO	4.03 67	ePn	53 13.10	0.1
SGO	4.15 284	P	53 15.35	0.6
ATN	4.30 251	P	53 17.44	0.6
ALN	4.33 72	ePn	53 17.00	-0.2
PRK	4.41 94	ePn	53 21.00	2.7X
EZN	4.41 87	ePn	53 12.70	-5.7X
HVAR	4.67 319	iPnd	53 20.10	-1.9
DUI	5.07 295	P	53 28.38	0.6
VAM	5.15 145	ePn	53 27.30	-1.6
MEU	5.16 242	P	53 27.61	-1.5
MFT	5.22 76	ePn	53 28.00	-2.0
SDI	5.53 293	P	53 34.65	0.4
AQU	6.06 298	P	53 41.40	-0.2
MNS	6.56 297	P	53 49.11	0.5
ASS	6.86 302	P	53 53.06	0.3
ARV	6.88 306	P	53 51.18	-1.9
MLR	7.00 32	eP	53 58.00	3.2X
PTJ	7.07 333	eP	53 52.60	-3.2X
CRE	7.57 304	P	54 01.90	-0.9
VRI	7.63 34	eP	54 04.00	0.6
SFI	7.78 306	P	54 05.55	0.1
TRI	7.83 322	e(Pn)	54 04.00	-2.2X
		e(Sn)	55 30.30	
VOY	8.02 324	ePn	54 06.50	-2.4X
		e(Sn)	55 33.10	
KHC	10.68 334	eP	54 40.00	-5.3X
LPG	11.73 304	eP	54 57.50	-2.3X
	0.6s	2.25nm	4.4mb X	
LPL	11.75 304	eP	54 58.00	-2.0X
	0.5s	2.25nm	4.5mb X	
BSF	12.86 314	eP	55 11.90	-2.6X
	0.5s	1.70nm	4.2mb X	
HAU	13.20 314	eP	55 15.90	-3.1X
	0.3s	1.40nm	4.3mb X	
Z	17s	0.05um	5.8mszX	
HFS	20.91 350	eP	56 49.90	-2.4X
	0.4s	2.10nm	3.8mb	
NB2	22.14 348	P	57 03.80	-0.9
	0.5s	2.60nm	3.9mb	
KAF	22.71 7	eP	57 09.30	-0.9
WRA	120.52 91	Pdiff	07 19.40	-5.2X
	0.4s	0.50nm		

S.D. = 1.0 on 60 of 76 obs.

% SEP 28, 1993 02h 04m 44.05± 0.98s
 40.677 N ± 7.2km 29.890 E ± 8.2km
 DEPTH = 5.0km (geophysicist)

TURKEY (366)

		ML 2.7 (ISK).		
HRT	0.22 311	iPg	04 49.00	0.4
		iSg	04 51.00	
IZI	0.47 223	iPg	04 53.60	0.2
		iSg	05 00.10	
GPA	0.50 140	ePg	04 54.00	-0.1
ISK	0.74 302	iPg	04 58.10	-0.7
		eSg	05 09.00	
CTT	1.20 293	iPn	05 06.70	-0.2
KCT	1.25 250	ePn	05 07.60	-0.1
DMK	1.97 306	ePn	05 19.00	0.5

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

% SEP 28, 1993 03h 34m 33.58± 0.75s
 40.237 N ± 5.8km 23.026 E ± 6.1km
 DEPTH = 10.0km (geophysicist)

GREECE (364)

		ML 1.6 (THE).		
THE	0.40 353	ePg	34 41.48	-0.2

28d 03h

LIT 0.43 252 eSg 34 47.40
ePg 34 42.44 0.0
eSg 34 49.36
PAIG 0.59 121 ePg 34 45.40 -0.1
eSg 34 55.48
SOH 0.64 23 ePg 34 46.16 -0.2
eSg 34 55.08
GRG 0.86 327 ePg 34 50.36 0.2
eSg 35 04.04
KNT 0.93 354 ePg 34 51.12 -0.2
eSg 35 04.72
SRS 0.98 26 ePg 34 52.72 0.5
eSg 35 07.36
S.D. = 0.3 on 7 of 7 obs.

? SEP 28, 1993 03h 44m 28.49± 5.21s
31.925 S ±47.7km 70.942 W ±20.2km
DEPTH = 100.0km (geophysicist)
CHILE-ARGENTINA BORDER REGION (127)
MD 3.5 (SAN).

JACH 0.81 159 iP 44 47.19 -0.1
iS 45 00.59
ROCH 1.05 183 eP 44 49.89 -0.1
iS 45 05.47
PEL 1.23 170 iP 44 51.93 0.0
iS 45 09.41
FCH 1.50 159 iP 44 55.69 0.2
iS 45 15.61
LCCH 1.63 199 iP 44 57.24 0.4
iS 45 17.51
TACH 1.72 180 iP 44 57.94 -0.1
iS 45 20.92
PCH 1.73 168 iP 44 58.22 0.1
iS 45 21.19
LNV 2.06 191 iP 45 01.91 -0.5
iS 45 28.53
CACH 2.21 173 eP 45 04.47 0.0
S.D. = 0.3 on 9 of 9 obs.

? SEP 28, 1993 05h 29m 52.09± 5.32s
41.274 N ±33.1km 23.843 E ±24.4km
DEPTH = 10.0km (geophysicist)
GREECE-BULGARIA BORDER REGION (363)

SRS 0.25 230 eP 29 57.84 0.5
eS 30 02.76
SOH 0.58 219 eP 30 03.40 -0.6
eS 30 06.16
KNT 0.72 261 eP 30 16.04 0.1
eS 30 10.16
OUR 0.94 174 iP 30 10.16 0.1
S.D. = 0.8 on 4 of 4 obs.

& SEP 28, 1993 06h 15m 10.36s
19.363 N 155.085 W
DEPTH = 7.3km
HAWAII (613)
<HVO-P>. MD 4.0 (HVO). Felt
(III) at Honokaa. Also felt at
Hawaii Volcanoes National Park
and Paradise Park Subdivision.

WHA 0.05 132 P 15 12.30 0.2
HUL 0.11 61 P 15 13.25 0.2
S 15 15.46
SWH 0.50 281 P 15 19.68 -0.8
HPO 0.52 238 eP 15 19.07 -1.8
KKU 0.58 335 P 15 21.57 -0.4
CPH 0.80 279 P 15 24.09 -2.0
KKH 0.93 289 eP 15 25.12 -3.2
KOH 1.00 319 P 15 26.48 -3.2
MHA 1.13 317 eP 15 28.48 -3.2
HKL 1.74 321 eP 15 36.82 -4.6
DHH 3.18 307 (P) 16 00.74 -1.0
11 obs. associated

% SEP 28, 1993 07h 22m 25.62± 0.59s
40.235 N ± 5.6km 27.509 E ± 4.6km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.1 (ISK).

KGT 0.27 324 ePg 22 31.60 0.3
EDC 0.29 68 iPg 22 32.50 0.7
iSg 22 36.50
BNT 0.34 69 iPg 22 33.00 0.4
MFT 0.58 343 iPg 22 36.50 -0.9

KCT 0.65 89 iPg 22 38.00 -0.6
iSg 22 48.00
EZN 1.00 246 iPg 22 45.30 0.8
iSg 22 58.80
CTT 1.15 37 iPg 22 47.50 0.4
DMK 1.60 7 ePn 22 53.50 -0.4
HRT 1.75 70 ePn 22 56.00 -0.2
IZM 1.84 186 ePn 22 57.00 -0.6
S.D. = 0.7 on 10 of 10 obs.

? SEP 28, 1993 08h 09m 01.75± 1.12s
39.103 N ± 8.3km 27.613 E ±13.5km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

IZM 0.76 201 ePg 09 16.50 -0.1
eSg 09 29.50
EZN 1.23 306 ePn 09 24.80 0.2
EDC 1.26 9 ePn 09 24.50 -0.6
KCT 1.28 26 iPn 09 26.00 0.5
S.D. = 0.8 on 4 of 4 obs.

% SEP 28, 1993 08h 14m 34.79± 0.99s
40.846 N ± 7.7km 27.730 E ± 6.9km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.5 (ISK).

MFT 0.35 260 iPg 14 42.00 0.0
EDC 0.51 168 ePg 14 45.00 -0.1
BNT 0.51 163 ePg 14 45.00 -0.1
CTT 0.61 60 ePg 14 47.00 -0.1
eSg 14 57.00
KCT 0.76 141 iPg 14 50.00 0.3
eSg 15 01.00
S.D. = 0.2 on 5 of 5 obs.

? SEP 28, 1993 09h 14m 32.59± 1.18s
39.083 N ± 8.7km 27.650 E ±14.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

IZM 0.75 204 ePg 14 47.20 -0.1
eSg 14 59.20
EZN 1.27 306 ePn 14 56.30 0.2
EDC 1.27 7 ePn 14 55.50 -0.7
KCT 1.29 25 iPn 14 57.00 0.6
S.D. = 0.9 on 4 of 4 obs.

SEP 28, 1993 09h 33m 39.17± 0.29s
44.132 N ± 2.2km 7.417 E ± 3.3km
DEPTH = 10.0km (geophysicist)
NORTHERN ITALY (545)
ML 3.2 (LDG), 2.9 (GEN).

ENR 0.09 2 Pd 33 42.59 0.7
S 33 44.23
STV 0.13 329 Pd 33 42.90 0.5
S 33 44.94
AUTN 0.14 177 Pg 33 42.95 0.3
TOUF 0.17 226 Pg 33 43.30 0.1
Sg 33 45.86
SAOF 0.18 146 Pg 33 43.65 0.5
Sg 33 46.33
AURF 0.25 195 Pg 33 44.84 0.3
SBF 0.27 177 Pg 33 45.10 0.2
Sg 33 48.80
MVIF 0.30 219 Pg 33 45.60 0.0
Sg 33 50.02
REVf 0.39 185 Pg 33 47.24 0.0
IMI 0.41 123 Pc 33 47.85 0.3
S 33 53.50
PZZ 0.44 329 Pd 33 48.06 0.0
S 33 54.18
CALN 0.54 225 Pg 33 49.93 -0.2
Sg 33 57.41
FIN 0.57 82 Pc 33 50.93 0.1
S 33 58.68
BHB 0.72 351 Pg 33 52.09 -1.2
S 34 02.44
FRF 0.80 225 Pg 33 54.40 -0.3
Sg 34 05.30
PCP 0.91 63 P 33 56.95 0.4
S 34 08.55
RRL 0.91 330 P 33 56.87 0.2

S 34 08.55
LRG 1.02 229 Pg 33 58.50 0.0
Sg 34 12.10
RSP 1.03 354 P 33 56.94 -1.7
LMR 1.03 220 Pg 33 58.60 -0.1
Sg 34 12.10
LSD 1.34 352 P 34 04.87 0.9
LPG 1.45 341 Pg 34 06.20 0.6
LPL 1.47 341 Pg 34 06.20 0.3
PGF 1.96 143 Pn 34 11.00 -1.9
Sn 34 33.10
S.D. = 0.7 on 24 of 24 obs.

& SEP 28, 1993 09h 45m 12.92s
34.951 N 116.887 W
DEPTH = 0.0km
SOUTHERN CALIFORNIA (43)
<PAS-P>. ML 2.7 (PAS).

SSK 0.99 222 iPd 45 31.66 -1.2
eS 45 45.55
PEC 1.08 192 eP 45 33.13 -1.1
eS 45 48.36
ISA 1.48 299 eP 45 40.45 -0.5
PLM 1.59 179 eP 45 41.84 -0.8
eS 46 04.89
TPNV 2.06 14 eP 45 51.29 1.9
5 obs. associated

? SEP 28, 1993 09h 58m 32.73±13.22s
7.402 S ±107.7km 129.799 E ±16.7km
DEPTH = 131.8 ± 58.1 km
4.3mb (2 obs.)
BANDA SEA (280)

MTN 5.57 166 eP 59 54.60 0.1
iS 01 00.00
KNA 8.36 187 eP 00 32.10 -0.3
eS 02 06.20
WR2 13.23 161 iPc 01 33.90 -2.8X
iS 03 56.20
QIS 16.16 145 iPd 02 13.70 0.0
eS 05 03.00
ASPA 16.65 167 eP 02 19.90 0.2
eS 05 16.80
MBL 16.73 214 eP 02 20.80 0.1
0.5s 7.00nm 4.2mb
eS 05 22.00
STK 26.72 157 iPc 04 01.50 -0.1
0.4s 3.50nm 4.3mb
S.D. = 0.3 on 6 of 7 obs.

? SEP 28, 1993 10h 13m 52.09± 1.14s
39.065 N ± 8.4km 27.622 E ±13.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.8 (ISK).

IZM 0.72 203 ePg 14 06.40 0.1
eSg 14 19.40
EZN 1.26 308 ePn 14 15.30 -0.2
EDC 1.29 8 ePn 14 16.60 0.6
KCT 1.31 25 iPn 14 15.90 -0.4
S.D. = 0.7 on 4 of 4 obs.

? SEP 28, 1993 10h 23m 00.75± 1.11s
39.664 N ± 8.9km 29.439 E ±10.7km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

ALT 0.80 139 ePg 23 16.40 0.0
eSg 23 26.00
KCT 1.02 305 iPn 23 19.90 -0.1
EYL 1.06 31 ePn 23 20.40 -0.3
HRT 1.17 9 ePn 23 23.00 0.4
S.D. = 0.5 on 4 of 4 obs.

% SEP 28, 1993 10h 48m 22.43± 0.92s
39.158 N ± 6.7km 27.584 E ±11.0km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 2.7 (ISK).

IZM 0.80 198 ePg 48 37.90 -0.1
eSg 48 49.90
EZN 1.18 305 ePn 48 44.80 0.4

28d 10h

EDC 1.21 10 ePn 48 44.60 -0.3
 BNT 1.22 12 ePn 48 45.40 0.2
 KCT 1.24 28 iPn 48 45.90 0.4
 KGT 1.31 351 ePn 48 46.10 -0.5
 S.D. = 0.5 on 6 of 6 obs.

SEP 28, 1993 11h 03m 12.23± 0.78s
 40.470 N ± 6.3km 21.904 E ± 6.9km
 DEPTH = 10.0km (geophysicist)

GREECE (364)
 ML 2.3 (THE).

LIT 0.58 129 ePg 03 23.68 -0.3
 eSg 03 29.50
 GRG 0.62 38 ePg 03 23.96 -0.7
 KNT 1.02 47 ePg 03 32.12 0.5
 OHR 1.06 308 ePn 03 32.20 0.0
 SOH 1.16 72 ePg 03 34.24 0.3
 PAIG 1.46 111 ePb 03 38.64 0.0
 AGG 1.48 167 ePb 03 39.16 0.2
 SKO 1.54 347 ePn 03 50.00 10.2X
 i 04 20.50
 S.D. = 0.5 on 7 of 8 obs.

% SEP 28, 1993 11h 17m 36.60± 2.40s
 37.895 N ±16.4km 27.205 E ±19.7km
 DEPTH = 5.0km (geophysicist)

TURKEY (366)
 ML 3.2 (ISK).

IZM 0.50 5 iPg 17 45.60 -1.1
 eSg 17 53.00
 CIN 0.76 113 ePg 17 51.00 -0.8
 iSg 18 03.00
 KHL 1.88 76 ePn 18 10.50 0.8
 EZN 2.05 341 ePn 18 12.30 0.2
 EDC 2.50 12 ePn 18 19.00 0.4
 KCT 2.52 21 ePn 18 19.50 0.7
 MFT 2.89 1 ePn 18 24.00 -0.2
 S.D. = 0.9 on 7 of 7 obs.

? SEP 28, 1993 11h 21m 19.64±10.89s
 10.839 S ±96.4km 118.318 E ±52.6km
 DEPTH = 10.0km (geophysicist)

3.9mb (3 obs.)
 SOUTH OF SUMBAWA, INDONESIA (291)

MBL 10.37 172 eP 23 51.00 -0.5
 0.2s 16.00nm 6.1mb X
 eS 25 48.70
 NANU 11.96 193 eP 24 11.50 -1.7
 eS 26 25.50
 MEEK 15.72 179 eP 25 04.00 1.2
 eS 27 54.00
 WR2 17.91 122 iPd 25 30.40 -0.2
 0.9s 1.80nm 3.2mb
 MRWA 18.41 186 eP 25 38.00 1.2
 0.5s 5.00nm 3.9mb
 eS 28 55.50
 BAL 19.73 184 eP 25 56.50 4.0X
 0.3s 6.00nm 4.4mb
 MUN 21.13 185 eP 26 14.50 7.5X
 eS 30 04.50
 S.D. = 1.7 on 5 of 7 obs.

? SEP 28, 1993 11h 50m 38.99± 5.15s
 40.146 N ±32.6km 27.372 E ±22.9km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.7 (ISK).

EDC 0.43 62 iPg 50 47.60 -0.1
 iSg 50 51.60
 MFT 0.64 354 iPg 50 51.90 0.0
 iSg 50 58.90
 KCT 0.76 82 iPg 50 53.90 0.0
 CTT 1.28 38 iPn 51 02.90 0.1
 S.D. = 0.1 on 4 of 4 obs.

% SEP 28, 1993 13h 30m 30.58± 3.26s
 33.594 S ± 7.8km 71.796 W ±27.5km
 DEPTH = 22.9 ± 6.7 km
 NEAR COAST OF CENTRAL CHILE (135)
 MD 3.9 (SAN).

LCCH 0.22 58 iP 30 36.39 0.1
 iS 30 42.22

LNK 0.48 138 iP 30 40.09 -0.3
 iS 30 48.61
 TACH 0.72 95 iP 30 44.07 -0.3
 iS 30 56.00

ROCH 0.90 47 iP 30 47.27 -0.4
 iS 31 01.53

SAN 0.96 82 iP 30 48.87 0.4
 PEL 1.03 65 iP 30 49.83 0.2
 iS 31 05.84

PCH 1.07 92 iP 30 50.01 -0.2
 iS 31 06.16

CACH 1.12 118 iP 30 51.37 0.3
 iS 31 08.89

FCH 1.29 78 iP 30 53.60 0.1
 JACH 1.36 48 iP 30 54.27 -0.1
 iS 31 14.21

S.D. = 0.3 on 10 of 10 obs.

? SEP 28, 1993 13h 36m 16.12± 7.36s
 42.475 N ±65.5km 24.196 E ±14.4km
 DEPTH = 10.0km (geophysicist)

BULGARIA (359)
 ML 2.8 (THE).

SRS 1.43 199 ePb 36 42.18 0.1
 eSb 37 04.18

KNT 1.63 217 ePb 36 45.06 0.1
 eSb 37 08.86

SOH 1.77 201 iPb 36 46.74 -0.3
 iSb 37 11.46

ALN 2.10 138 ePn 36 51.70 0.0
 SKO 2.11 257 ePn 36 55.00 3.1X

OUR 2.14 184 ePn 36 52.50 0.1
 S.D. = 0.2 on 5 of 6 obs.

? SEP 28, 1993 14h 13m 13.77± 5.49s
 30.870 S ±11.7km 175.926 W ±60.1km
 DEPTH = 64.4 ± 17.1 km
 5.2mb (4 obs.)

KERMADEC ISLANDS REGION (177)

RAO 2.36 313 iP 13 51.00 0.0
 iS 14 05.50

PUZ 8.64 212 eP 15 19.50 0.9
 eS 16 48.80

URZ 9.34 216 eP 15 27.00 -1.1
 eS 17 04.90

OUZ 9.80 241 P 15 34.50 0.0
 DZM 18.04 295 iPc 17 28.10 6.5X

CTA 35.64 278 iPd 20 07.70 0.2
 0.5s 115.14nm 6.1mb

STK 36.12 257 eP 20 12.60 1.2
 0.5s 9.20nm 5.0mb

ASPA 44.87 266 eP 21 23.30 -0.4
 0.4s 4.90nm 4.7mb

WR2 45.88 272 iPd 21 30.80 -0.9
 0.4s 22.70nm 5.4mb

KAF 145.57 342 ePKP 32 56.40 11.0X
 0.5s 2.30nm

NUR 147.35 341 ePKP 33 02.40 14.1X
 HFS 150.03 350 ePKP 33 05.10 12.5X

0.6s 4.80nm
 S.D. = 1.1 on 8 of 12 obs.

% SEP 28, 1993 15h 16m 44.85± 0.99s
 38.569 N ± 6.2km 30.450 E ±12.6km
 DEPTH = 5.0km (geophysicist)

TURKEY (366)
 ML 3.2 (ISK).

ALT 0.55 331 iPg 16 55.40 -0.5
 eSg 17 04.40

KHL 0.77 252 iPn 17 00.50 0.2
 BCK 1.11 174 ePn 17 06.00 -0.2

GPA 1.72 356 ePn 17 16.10 0.5
 EYL 2.01 354 ePn 17 19.90 0.0

S.D. = 0.5 on 5 of 5 obs.

? SEP 28, 1993 15h 46m 38.45± 1.04s
 39.069 N ± 7.8km 27.543 E ±12.8km
 DEPTH = 10.0km (geophysicist)

TURKEY (366)
 ML 2.8 (ISK).

IZM 0.70 198 ePg 46 52.40 0.0
 eSg 47 04.40

EZN 1.21 309 ePn 47 00.90 0.0

EDC 1.30 11 ePn 47 02.60 0.1
 KCT 1.34 28 ePn 47 03.00 -0.1
 S.D. = 0.1 on 4 of 4 obs.

SEP 28, 1993 15h 50m 25.56± 0.65s
 14.152 N ± 5.8km 92.433 W ± 4.3km
 DEPTH = 58.5 ± 5.2 km
 4.7mb (35 obs.)

NEAR COAST OF CHIAPAS, MEXICO (69)
 MD 4.6 (GCG). Felt along the
 Mexico-Guatemala border.

TPX 0.77 13 iP 50 41.70 1.1
 PCG 1.79 82 eP 50 55.45 0.7
 iS 51 20.06

BVA 1.81 73 eP 50 54.27 -0.9
 eS 51 20.96

GCG 1.89 77 ePd 50 57.99 1.8
 IXG 1.92 89 ePd 50 56.50 -0.1
 eS 51 25.83

YUP 2.55 89 eP 51 05.27 -0.2
 SCX 2.58 356 iP 51 08.00 2.4X
 iS 51 42.78

OXX 5.06 306 iP 51 38.58 -2.3
 IISM 6.75 316 iP 52 06.98 2.6X

LVVM 6.75 326 (P) 52 00.00 -4.4X
 IIT 7.43 311 (P) 52 13.78 -0.4

ACX 7.65 292 (P) 52 11.00 -5.9X
 PPM 7.69 310 iP 52 16.92 -1.0
 (S) 53 53.53

IIA 7.76 311 iP 52 17.97 -0.4
 UNM 8.27 309 (P) 52 08.00 -17.6X

CRX 8.69 308 (P) 52 15.00 -16.5X
 MRX 10.03 305 (P) 52 47.74 -1.9

LTX 18.34 327 eP 54 37.58 0.0
 PSO 19.72 129 eP 54 57.00 3.3X

UYO 20.01 355 iPc 54 54.70 -1.5
 MIAR 20.33 357 eP 54 58.97 -0.5

1.2s 80.81nm 4.9mb
 BOG 20.43 116 eP 55 03.00 2.0
 eS 58 58.00

OXF 20.45 7 eP 55 00.86 0.1
 WMOK 21.28 345 eP 55 08.65 -0.5
 0.5s 13.19nm 4.5mb

TUL 21.88 353 iP 55 14.40 -0.7
 SDV 21.98 101 eP 55 17.50 1.0

MYNC 22.14 18 eP 55 18.79 1.1
 1.2s 39.53nm 4.8mb

GBTN 22.66 18 eP 55 23.50 0.7
 ELC 23.21 6 eP 55 27.74 -0.4

ALQ 24.26 331 eP 55 39.70 1.1
 1.0s 17.36nm 4.5mb

TUC 24.65 320 eP 55 43.81 1.6
 1.0s 19.16nm 4.5mb

CEH 24.74 27 eP 55 42.85 -0.1
 0.7s 17.10nm 4.7mb

NAV 25.29 22 eP 55 47.77 -0.4
 CVL 26.78 25 eP 56 01.13 -0.7

GLA 27.73 317 eP 56 11.15 0.5
 GOL 27.88 338 eP 56 12.48 0.4

0.9s 17.57nm 4.7mb
 PV08 28.24 332 eP 56 16.43 0.9

PV10 28.26 332 eP 56 15.53 0.0
 PLM 29.29 315 eP 56 24.76 -0.1

SRU 29.54 331 eP 56 27.47 0.5
 PEC 29.80 316 (P) 56 30.04 0.8

MSU 29.90 328 eP 56 30.90 0.7
 ARUT 30.04 325 eP 56 31.96 0.5

DAU 30.91 331 eP 56 40.14 0.9
 BINY 31.36 24 eP 56 41.54 -1.3

0.9s 34.13nm 5.1mb
 RSSD 31.47 344 eP 56 44.25 0.2

0.8s 10.55nm 4.7mb
 DUG 31.49 329 eP 56 44.60 0.4

1.4s 11.80nm 4.5mb
 BW06 32.12 336 eP 56 49.55 -0.2

1.0s 9.72nm 4.6mb
 HVU 32.70 331 eP 56 55.26 0.6

BONR 32.99 321 eP 56 58.42 1.0
 PHAM 33.09 316 eP 56 58.72 0.7

HHAI 33.72 333 eP 57 03.96 0.5
 GAC 34.56 21 eP 57 08.50 -2.0X

LRM 35.80 336 iPc 57 22.00 0.6
 e 59 49.10

ORV 35.94 320 (P) 57 22.89 0.5
 ULM 36.11 356 eP 57 25.00 1.4

LBFM 37.27 322 eP 57 33.90 0.2

LPAZ	38.62	141	Pd	57	44.40	-1.4	RDO	0.82	341	ePg	28	45.00	1.1							
			i	57	47.40					eSg	28	57.00		% SEP 28, 1993 16h 57m 41.01± 0.98s						
			LR	09	23.00		KGT	1.09	85	iPn	28	47.80	-0.7	60.457 N ± 4.7km 5.147 E ±11.8km						
LPB	38.82	141	P	57	48.00	0.8	MFT	1.14	68	iPn	28	49.80	0.3	DEPTH = 10.0km (geophysicist)						
	1.0s						PRK	1.16	165	ePb	28	49.90	0.2	SOUTHERN NORWAY (535)						
			eLR	10	20.00					eSb	29	06.80		MD 1.6 (BER).						
CNCB	39.11	141	P	57	49.00	-0.8	KDZ	1.33	345	iP	28	53.00	0.4	ASK	0.04	42	eP	57	41.99	-1.0
			e	00	00.00		OUR	1.45	269	iPb	28	53.94	-0.6				eS	57	43.00	
LMN	39.25	31	eP	57	54.00	4.0X	EDC	1.51	90	iPn	28	55.60	0.2	BER	0.12	129	eP	57	43.22	-0.7
NEW	39.67	334	eP	57	53.61	0.1	BNT	1.56	90	ePn	28	56.20	0.2				eS	57	45.78	
	1.1s						RZN	1.59	327	iPd	28	56.00	-0.6	EGD	0.19	168	eP	57	44.38	-0.8
DPW	39.84	333	eP	57	55.48	0.5	DIM	1.70	351	iP	28	59.00	1.0				eS	57	47.36	
CCH	40.69	140	P	58	04.10	1.6	PAIG	1.74	256	ePn	28	57.78	-0.9	ODD1	0.92	126	eP	57	59.17	0.5
LON	40.74	329	eP	58	02.90	0.6				eSn	29	25.50					eS	58	11.70	
RMW	41.23	330	(P)	58	06.91	0.6	SRS	1.89	294	ePn	29	00.66	-0.2	FOO	1.15	358	eP	58	02.88	0.5
JAQ	41.70	15	eP	58	08.00	-2.0X				eSn	29	29.90					eS	58	18.51	
SIV	43.10	133	P	58	20.80	-1.1	KCT	1.90	93	iPn	29	01.50	0.6	BLS5	1.23	147	eP	58	04.74	0.9
MOCB	43.93	143	P	58	28.40	-0.7	PLD	1.95	333	iP	29	03.00	1.3				eS	58	21.14	
YKA	50.78	347	eP	59	21.60	0.0	SOH	1.98	284	ePn	29	02.90	0.8	KMY	1.25	178	eP	58	04.50	0.3
	0.8s									eSn	29	33.14		MOL	2.41	27	eP	58	21.70	0.6
SIT	53.72	333	(P)	59	43.44	-0.1	DMK	2.03	44	iPn	29	02.50	-0.3				eSg	58	55.53	
INK	60.17	344	ePc	00	29.10	-0.2	MMB	2.04	307	iP	29	02.00	-1.0	NRA0	3.17	82	ePn	58	31.62	-0.2
	0.9s						CTT	2.09	67	iPn	29	03.30	-0.4				ePg	58	38.22	
FBA	62.94	337	eP	00	47.61	-0.3	JMB	2.16	14	iP	28	07.00	-57.7X				eLg	59	19.72	
	0.8s						IZM	2.24	151	ePn	29	05.30	-0.6							
TTA	65.57	333	eP	01	06.36	1.2	KNT	2.40	290	ePn	29	08.26	0.0							
	1.0s									eSn	29	45.26								
DAG	72.59	13	eP	01	48.00	0.0	ITU	2.49	72	eP	29	51.00	41.5X							
	0.8s						ISK	2.51	73	ePn	29	09.00	-0.8							
EKA	78.09	36	Pc	02	19.00	-0.6	KZN	3.14	270	ePn	29	23.00	4.2X							
	0.7s						CIN	3.25	147	eP	29	22.00	1.7							
LPF	80.55	43	eP	02	31.60	-1.4	ALT	3.51	111	ePn	29	24.40	0.3							
	1.1s						SKO	3.72	297	ePn	29	31.00	4.1X							
GRR	80.60	42	eP	02	32.20	-1.1	MLR	5.12	0	ePc	29	49.50	2.6X							
	0.8s																			
FLN	80.78	42	eP	02	33.20	-1.0														
	0.8s																			
Z	20s																			
LDF	81.04	42	eP	02	34.40	-1.2	? SEP 28, 1993 16h 44m 51.47± 3.09s													
	0.8s						58.583 N ±31.3km 10.525 E ±12.0km													
TCF	83.07	44	eP	02	44.90	-1.4	DEPTH = 10.0km (geophysicist)													
	0.8s						SWEDEN (536)													
MAF	83.33	44	eP	02	46.30	-1.3	MD 2.9 (BER).													
	0.9s						NRA0	2.22	13	ePn	45	29.09	0.2							
BGF	83.44	44	eP	02	46.90	-1.2				ePg	45	37.29								
	0.8s									eLg	46	03.72								
AVF	83.72	43	eP	02	48.00	-1.5	HFS	2.25	45	eP	45	30.20	0.9							
	0.8s																			
SSF	83.76	43	eP	02	48.40	-1.3	BLS5	2.27	294	eP	45	29.01	-0.6							
	0.8s									eSg	46	03.11								
LOR	83.94	43	eP	02	49.60	-1.1	ODD1	2.41	305	eP	45	32.39	0.9							
	0.8s									eSg	46	07.89								
Z	22s						KMY	2.81	285	eP	45	36.27	-1.0							
SMF	84.09	44	eP	02	50.00	-1.4	EGD	3.19	304	eP	45	44.00	1.4							
	0.8s						MOL	4.26	341	eP	45	57.07	-0.7							
NB2	84.21	28	P	02	52.40	0.6				eSg	47	02.73								
	1.3s						ARA0	12.74	24	ePn	47	53.99	-1.3							
TIC	85.90	84	P	03	01.49	0.4														
	1.0s																			
LIC	86.00	85	P	03	02.37	0.9	SEP 28, 1993 16h 56m 14.24± 0.34s													
	1.1s						39.223 N ± 3.1km 29.430 E ± 3.8km													
Z	21s						DEPTH = 10.0km (geophysicist)													
KIC	86.24	84	P	03	03.41	0.7	TURKEY (366)													
	1.1s						ML 3.4 (ISK).													
SDF	87.51	20	eP	03	07.00	-0.9	ALT	0.56	107	iPg	56	25.40	-0.2							
GEC2	89.75	39	P	03	21.20	2.2				eSg	56	32.40								
	0.9s						KHL	0.90	175	iPg	56	31.50	-0.1							
ZST	92.09	39	eP	03	29.60	-0.1				eSg	56	44.00								
BDT	146.82	340	ePKP	10	03.00	1.3	IZI	1.11	2	ePg	56	35.80	0.6							
	0.8s						GPA	1.26	32	iPn	56	38.00	0.3							
NST	147.87	337	ePKP	10	07.00	3.6X	KCT	1.32	321	iPn	56	39.00	0.4							
KHT	149.25	339	ePKP	10	10.30	4.7X	EYL	1.45	22	ePn	56	40.50	-0.1							
GBA	150.66	20	PKPc	10	13.80	6.1X	HRT	1.61	6	iPn	56	42.80	0.0							
	0.7s						BNT	1.62	315	ePn	56	43.00	0.0							
							EDC	1.65	313	iPn	56	43.60	0.3							
							ISK	1.86	351	ePn	56	45.80	-0.6							
							IZM	1.88	245	ePn	56	47.30	0.5							
							ITU	1.91	351	ePn	56	53.00	5.9X							
										iSg	57	18.00								
							CIN	1.93	213	ePn	56	50.00	2.5X							
							KGT	2.05	308	iPn	56	48.80	-0.3							
							CTT	2.07	339	iPn	56	49.30	-0.1							
							MFT	2.27	314	iPn	56	52.00	-0.5							
							EZN	2.48	285	ePn	56	54.90	-0.3							
							ELL	2.50	171	ePn	56	55.80	0.1							
							DMK	2.89	334	ePn	57	01.00	-0.2							

28d 17h

	0.8s	4.40nm	4.1mb	
MAT	35.01	14 (P)	46 18.00	-0.4
XAN	36.25	332 P	46 28.50	-0.5
	1.0s	9.80nm	4.7mb	
STK	36.44	161 eP	46 30.20	-0.3
	0.5s	3.10nm	4.5mb	
TIY	37.97	339 eP	46 44.80	1.4
BJI	38.95	345 eP	46 51.00	-0.5
LZH	40.40	329 eP	47 04.80	1.0
	1.6s	38.00nm	4.9mb	
LSA	44.51	311 P	47 38.80	1.0
GTA	45.00	328 eP	47 41.20	0.0
	1.0s	5.00nm	4.4mb	
GUN	47.81	306 P	48 03.00	-0.9
	0.4s	14.00nm	5.3mb	
KKN	48.25	306 P	48 06.20	-0.9
	0.6s	10.00nm	5.0mb	
DMN	48.32	305 P	48 07.20	-0.5
HYB	51.14	290 eP	48 28.00	-1.1
GBA	51.58	285 P	48 34.00	1.5

S.D. = 1.0 on 15 of 15 obs.

* SEP 28, 1993 18h 41m 00.72s
63.377 N 151.236 W
DEPTH = 6.3km
CENTRAL ALASKA (1)
<AEIC>. ML 2.6 (AEIC).

KTH	0.23	38 eP	41 05.13	-0.3
TRF	0.43	80 eP	41 09.03	-0.4
HUR	0.83	118 eP	41 16.19	-0.9
CUT	1.07	155 iP	41 20.89	-0.3
		eS	41 36.36	
RND	1.07	87 eP	41 20.70	-0.6
MCK	1.09	70 eP	41 21.54	0.0
SKT	1.41	186 eP	41 26.39	-0.5
		eS	41 44.70	
NEA	1.54	37 eP	41 28.88	0.2
		eS	41 49.11	
MLY	1.67	7 eP	41 29.58	-1.1
		eS	41 52.69	
DHY	1.77	98 eP	41 31.74	-0.5
		eS	41 56.49	
GHO	1.93	145 P	41 32.40	-2.1
SUA	1.93	173 eP	41 34.98	0.4
		eS	42 01.63	
CCB	1.98	48 eP	41 32.63	-2.4
NCG	2.03	193 eP	41 35.35	-0.5
		eS	42 02.73	
PLRM	2.04	150 eP	41 35.54	-0.4
		eS	42 03.37	
PMR	2.04	150 eP	41 35.09	-0.8
MDM	2.06	38 eP	41 36.49	0.2
		eS	42 03.89	
SML	2.07	138 eP	41 35.93	-0.5
FBA	2.15	43 eP	41 35.67	-1.8
		eS	42 04.36	
CKN	2.21	192 eP	41 38.85	0.4
TTA	2.21	260 eP	41 37.83	-0.7
SPU	2.24	190 eP	41 40.09	1.2
GLM	2.33	44 eP	41 40.42	0.2
KNK	2.36	145 eP	41 39.94	-0.6
BKG	2.36	192 eP	41 40.45	-0.3
IL1	2.37	52 P	41 40.20	-0.5
		S	42 13.90	
ILB	2.37	52 eP	41 41.11	0.4
		eS	42 12.98	
SCM	2.38	129 eP	41 42.13	1.2
PAX	2.65	96 eP	41 44.69	0.0
TOA	2.66	116 P	41 44.90	0.0
SDG	2.74	106 eP	41 45.85	-0.1
IM3	2.83	339 eP	41 45.26	-2.0
DFR	2.88	194 eP	41 49.57	1.6
IMA	2.90	340 eP	41 45.78	-2.6
SLKM	2.92	170 eP	41 49.13	0.6
RDW	3.00	195 eP	41 51.66	1.9
KLU	3.11	125 eP	41 52.11	0.8
VLZ	3.22	132 eP	41 52.13	-0.5

38 obs. associated

? SEP 28, 1993 18h 53m 20.24± 0.92s
14.599 N ± 8.1km 60.941 W ± 9.1km
DEPTH = 10.0km (geophysicist)
WINDWARD ISLANDS (95)

MVM	0.06	135 iPc	53 22.46	-0.1
		S	53 24.33	

BIM	0.15	237 eP	53 23.81	0.1
CRM	0.16	9 iPc	53 23.94	0.1
		S	53 26.40	
FDF	0.24	303 eP	53 25.32	-0.1

S.D. = 0.2 on 4 of 4 obs.

? SEP 28, 1993 18h 59m 42.11±12.82s
19.049 N ±49.7km 67.594 W ±87.1km
DEPTH = 10.0km (geophysicist)
MONA PASSAGE (89)

MGP	1.14	155 P	00 03.40	-0.1
PORP	1.34	137 P	00 07.20	0.4
		S	00 30.20	
CLLP	1.36	135 P	00 31.00	23.9X
SJG	1.66	124 P	00 12.00	0.6
LPR	1.79	114 P	00 13.20	-0.2
CPD	1.88	122 P	00 14.40	-0.2

S.D. = 0.5 on 5 of 6 obs.

* SEP 28, 1993 20h 44m 22.51± 0.80s
23.340 N ± 8.5km 100.760 E ±10.7km
DEPTH = 10.0km (geophysicist)
3.8mb (1 obs.)
YUNNAN, CHINA (318)
ML 3.9 (BJI).

KMI	2.53	45 Pnd	45 04.50	-0.1
		Pg	45 09.50	
CHTO	4.81	201 ePn	45 36.60	-0.2
		ePg	45 54.90	
		eSg	47 03.00	
GYA	6.19	59 Pn	45 56.60	0.2
		Sg	47 26.60	
BDT	6.28	196 eP	46 25.00	27.5X
	1.0s	144.90nm		
CD2	8.00	19 ePn	46 18.30	-3.3X
KHT	8.75	194 eP	47 08.50	36.4X
QIZ	9.50	115 eP	46 42.80	0.4
KKN	14.65	291 P	48 00.00	8.0X
GTA	16.04	357 eP	48 11.00	1.1
	E 10s	0.49um		
TIY	17.48	32 eP	48 26.60	-1.4
GEC2	70.92	316 P	55 41.80	-0.2
	0.7s	0.56nm	3.8mb	

S.D. = 0.9 on 7 of 11 obs.

SEP 28, 1993 21h 06m 28.45± 0.89s
50.851 N ± 8.2km 12.180 E ± 6.9km
DEPTH = 10.0km (geophysicist)
GERMANY (543)
ML 2.7 (FUR), 2.6 (GRF), 2.5 (CLL).

MOX	0.41	240 iPg	06 37.20	0.3
		iSg	06 42.70	
HOF	0.57	200 iPg	06 40.70	0.6
CLL	0.69	48 iPg	06 42.00	-0.2
		iSg	06 51.20	
BRG	1.12	88 iPg	06 49.60	0.2
		iSg	07 05.20	
GRF	1.31	208 e(Pn)	06 51.80	-0.9
		ePg	06 53.10	
		e(Sn)	07 09.20	
		eSg	07 11.10	
PRU	1.74	119 Pn	07 02.30	3.4X
	0.3s	51.40nm		
		iPg	07 03.70	
		Sg	07 25.30	
WET	1.77	165 iPnc	06 59.10	-0.2
KHC	1.94	152 Pn	07 01.90	0.0
		Pg	07 06.40	
		e	07 14.00	
		eSn	07 20.00	
		eSg	07 31.00	
GEC2	2.24	153 Pn	07 06.30	0.1
		Pg	07 11.80	
		Sn	07 37.80	
		Sg	07 42.60	
KSP	2.61	89 eP	07 18.00	6.7X
		iSn	07 46.10	
		iSg	07 51.90	

S.D. = 0.5 on 8 of 10 obs.

? SEP 28, 1993 22h 01m 38.42± 1.72s
29.212 N ±24.8km 130.609 E ±14.4km
DEPTH = 33.0km (normal)

4.3mb (5 obs.)
RYUKYU ISLANDS (238)

MAT	9.71	39 eP	03 58.00	-0.8
NJ2	10.51	289 Pc	04 08.60	-1.3
	Z 16s	0.52um		
CN2	15.13	346 eP	05 17.20	5.8X
	0.8s	35.00nm	4.7mb	
	Z 15s	0.65um	4.4Msz	
	N 12s	0.38um		
	E 12s	0.19um		
		epP	05 20.00	
BJI	16.03	316 P	05 31.00	8.0X
	Z 16s	0.58um		
	N 13s	0.35um		
TIY	17.35	304 eP	05 40.50	0.8
	Z 16s	0.95um		
	N 13s	0.44um		
XAN	19.08	290 P	06 00.90	0.0
	1.0s	18.00nm	4.3mb	
	Z 12s	0.43um	4.2MszX	
		pP	06 07.50	25kmX
HHC	19.40	312 P	06 05.40	0.7
	0.8s	10.00nm	4.1mb	
BTO	20.30	309 eP	06 19.00	4.7X
GYA	21.34	268 P	06 25.60	0.5
CD2	23.28	281 eP	06 45.40	1.2
LZH	23.51	294 eP	06 45.00	-1.4
	1.0s	15.00nm	4.5mb	
	Z 15s	0.58um	4.2MszX	
	E 15s	0.43um		
KMI	25.10	267 eP	07 01.20	-0.8
	Z 14s	0.80um	4.4MszX	
GTA	27.28	300 eP	07 25.00	3.1X
	1.0s	7.00nm	4.3mb	
	Z 16s	0.69um	4.3MszX	
		pP	07 30.00	18kmX
GUN	39.13	279 P	09 05.20	0.1
KKN	39.67	279 P	09 08.40	-1.1
GEC2	84.08	324 P	14 09.20	2.0

S.D. = 1.2 on 12 of 16 obs.

* SEP 28, 1993 22h 11m 30.91± 1.50s
28.913 N ±17.8km 130.814 E ±11.1km
DEPTH = 33.0km (normal)
4.4mb (7 obs.) 4.3Msz (3 obs.)
RYUKYU ISLANDS (238)

KAGJ	2.27	2 P	12 06.20	-0.6
		S	12 30.80	
KUMJ	3.61	0 P	12 25.30	-0.6
		S	13 02.10	
TKSJ	5.76	28 eP	12 58.50	2.2
WKYJ	6.68	36 eP	13 08.70	-0.6
TSRJ	7.92	32 eP	13 26.40	-0.2
MAT	9.83	37 eP	13 53.00	0.0
CHJJ	9.91	42 eP	13 58.60	4.4X
NJ2	10.78	290 Pc	14 04.00	-2.0
CN2	15.47	345 eP	15 12.00	3.8X
	0.8s	47.00nm	4.8mb	
	Z 15s	0.71um	3.2Msz	
	N 10s	0.44um		
	E 10s	0.08um		
		epP	15 15.00	
BJI	16.37	317 eP	15 23.00	3.2X
	Z 16s	0.88um		
	N 12s	0.43um		
TIY	17.67	305 eP	15 37.20	1.1
	Z 15s	1.18um		
	N 14s	0.51um		
XAN	19.35	291 P	15 56.70	0.1
	1.0s	30.00nm	4.5mb	
	Z 10s	0.64um	3.9MszX	
		pP	16 05.20	32kmX
HHC	19.73	312 P	16 00.30	-0.5
	0.8s	13.00nm	4.3mb	
BTO	20.63	310 eP	16 11.20	1.1
GYA	21.52	269 P	16 19.80	0.5
		pP	16 24.80	18kmX
CD2	23.52	282 eP	16 42.00	3.1X
LZH	23.80	294 eP	16 43.00	1.3
	1.0s	20.00nm	4.6mb	
	Z 18s	0.69um	4.2Msz	
	E 14s	0.43um		
KMI	25.27	268 eP	16 56.00	0.0
	Z 14s	1.20um	4.6MszX	
GTA	27.58	300 eP		

28d 22h

1.0s 9.00nm 4.4mb
 Z 18s 0.80um 4.3msz
 E 16s 0.39um
 pP 17 26.50 30kmX
 WMQ 37.34 305 P 18 48.00 6.0X
 Z 22s 0.50um 4.3msz
 HFS 77.50 333 eP 23 23.40 -1.1
 0.4s 0.70nm 4.0mb
 NB2 77.91 334 P 23 25.40 -1.4
 0.7s 1.00nm 4.0mb
 S.D. = 1.1 on 17 of 22 obs.

* SEP 28, 1993 22h 30m 49.77± 0.77s
 2.526 S ±13.5km 28.602 E ±14.0km
 DEPTH = 10.0km (geophysicist)
 4.9mb (37 obs.)

LAKE TANGANYIKA REGION (572)

NAI 8.29 82 iPn 32 55.00 1.8
 iPg 33 02.00
 iSn 33 46.60
 iSg 34 13.40
 BUL 17.51 180 iP 34 54.80 -1.1
 1.0s 17.00nm 4.1mb
 iPP 35 03.20
 iS 38 34.20
 PcP 39 03.40
 Lg 40 48.00
 MLR 47.87 357 ePd 39 26.00 -3.9X
 PTJ 49.50 348 eP 39 37.70 -4.8X
 PSZ 50.81 352 iPd 39 49.60 -2.9
 SRO 50.93 351 iP 39 51.50 -1.8
 ZST 51.50 350 eP 39 54.90 -2.7X
 LFG 51.61 340 iPd 39 58.00 -0.8
 1.5s 21.40nm 4.9mb
 LPL 51.63 340 iPd 39 58.00 -0.9
 1.0s 8.80nm 4.6mb
 EPF 52.01 334 iPd 40 04.10 2.5X
 1.5s 21.40nm 4.9mb
 SPC 52.01 353 eP 39 59.50 -2.2
 GEC2 52.78 348 P 40 04.60 -2.8X
 1.3s 8.07nm 4.5mb
 e 40 13.00
 e 40 15.80
 e 40 22.10
 CAF 52.83 337 iPd 40 09.40 1.6
 1.0s 7.60nm 4.6mb
 LPO 52.99 336 iPd 40 10.70 1.8
 1.1s 23.70nm 5.0mb
 KHC 53.07 348 P 40 07.50 -2.0
 1.0s 15.00nm 4.9mb
 e 40 13.60
 RJF 53.37 336 iPd 40 13.30 1.7
 1.1s 8.05nm 4.6mb
 Z 18s 0.10um 3.9msz
 LFF 53.38 336 iPd 40 13.80 2.1
 1.2s 27.95nm 5.1mb
 SMF 53.61 339 iPd 40 13.90 0.5
 1.1s 11.50nm 4.8mb
 BSF 53.66 342 iPd 40 13.10 -0.7
 0.9s 10.95nm 4.9mb
 PRU 53.69 349 P 40 11.70 -2.2
 MAF 53.72 338 iPd 40 16.00 1.8
 1.1s 16.85nm 5.0mb
 LBF 53.85 339 iPd 40 15.20 0.0
 1.1s 7.55nm 4.6mb
 AVF 53.91 339 iPd 40 16.00 0.5
 1.0s 9.40nm 4.8mb
 TCF 53.91 338 iPd 40 17.40 1.8
 1.4s 35.30nm 5.2mb
 HAU 53.95 342 iPd 40 15.70 -0.2
 1.0s 7.60nm 4.7mb
 Z 17s 0.13um 4.0mszX
 CDF 54.03 343 iPd 40 15.40 -1.1
 1.0s 7.80nm 4.7mb
 SSF 54.09 339 iPd 40 16.90 0.1
 0.7s 3.30nm 4.5mb
 GRF 54.13 346 ePd 40 16.00 -1.2
 1.3s 18.00nm 4.9mb
 Z 20s 0.10um 3.9msz
 e(pP) 40 21.90 19kmX
 LOR 54.14 339 iPd 40 17.30 0.1
 0.5s 2.05nm 4.4mb
 Z 22s 0.13um 3.9msz
 LSF 54.14 337 iPd 40 18.70 1.4
 1.0s 12.40nm 4.9mb
 BRG 54.65 349 eP 40 21.20 0.2

MFF 55.09 336 iPd 40 26.10 1.8
 1.8s 43.15nm 5.2mb
 CLL 55.26 348 eP 40 23.00 -2.4
 ENN 56.53 343 eP 40 35.50 1.0
 1.0s 6.00nm 4.6mb
 LPF 56.61 337 iPd 40 36.70 1.5
 1.7s 56.60nm 5.3mb
 LDF 56.71 338 iPd 40 38.00 2.1
 1.6s 49.75nm 5.3mb
 FLN 56.98 337 iPd 40 38.90 1.1
 1.3s 20.95nm 5.0mb
 Z 23s 0.15um 4.0mszX
 WTS 57.37 344 eP 40 41.00 0.5
 1.0s 25.60nm 5.2mb
 OBN 57.81 5 iPd 40 39.50 -4.0X
 1.0s 35.00nm 5.3mb
 Z 16s 0.40um 4.6mszX
 i 40 46.00
 e 41 07.00
 DMN 62.02 57 P 41 13.60 0.2
 0.8s 28.00nm 5.5mb
 KKN 62.23 57 P 41 15.00 0.3
 0.6s 30.00nm 5.7mb
 GUN 62.77 57 P 41 18.80 0.4
 0.8s 43.00nm 5.7mb
 NUR 62.93 358 iP 41 16.20 -2.1
 0.5s 5.00nm 5.0mb
 HFS 63.56 352 eP 41 21.00 -1.5
 1.1s 13.30nm 5.0mb
 Z 17s 0.09um 4.0mszX
 LR 50 29.00
 KAF 64.49 359 iP 41 27.10 -1.4
 0.5s 9.70nm 5.2mb
 NB2 64.80 351 P 41 28.00 -2.7X
 0.9s 15.60nm 5.2mb
 SDF 69.81 359 eP 42 02.00 0.0
 DAG 83.50 350 eP 43 25.50 6.9X
 1.0s 7.00nm 4.8mb
 STK 107.99 125 ePKP 49 20.00 0.0
 0.8s 3.60nm
 S.D. = 1.5 on 41 of 49 obs.

% SEP 28, 1993 22h 30m 56.94± 1.24s
 16.943 N ±23.9km 94.294 W ±11.0km
 DEPTH = 10.0km (geophysicist)
 OAXACA, MEXICO (60)

SCX 1.60 97 iP 31 25.44 0.1
 iS 31 47.77
 OXX 2.33 274 iPd 31 35.33 -0.8
 iS 32 03.64
 LVVM 3.45 324 iP 31 50.78 -1.0
 iS 32 31.72
 IISM 3.57 305 iP 31 54.31 0.8
 (S) 32 34.96
 PPM 4.63 298 iP 32 10.00 0.9
 S.D. = 1.2 on 5 of 5 obs.

SEP 28, 1993 22h 31m 32.37± 0.47s
 39.868 N ±4.5km 20.069 E ±3.8km
 DEPTH = 5.0km (geophysicist)
 GREECE-ALBANIA BORDER REGION (392)
 MD 3.0 (ATH). ML 2.9 (TIR), 2.6 (THE).

SRN 0.05 283 iPg 31 33.40 -0.5
 iSg 31 35.50
 KEK 0.26 234 ePb 31 37.50 -0.1
 IGT 0.39 149 ePg 31 40.82 0.6
 eSg 31 48.56
 LSK 0.50 55 iPgD 31 40.60 -1.7
 VLO 0.74 324 ePg 31 47.60 0.4
 FNA 1.36 47 ePb 31 59.60 1.7
 eSb 32 19.76
 OHR 1.36 24 iPn 31 57.70 -0.3
 i 31 58.90
 i 32 17.90
 i 32 19.10
 Lg 32 20.00
 KZN 1.38 71 ePn 31 58.00 -0.3
 TIR 1.49 354 ePn 32 00.50 0.7
 iSn 32 23.00
 VLS 1.74 166 ePg 32 08.50 5.1X
 PHP 1.84 9 ePn 32 04.10 -0.7
 LIT 1.87 82 ePn 32 06.36 1.0
 AGG 1.94 115 ePn 32 06.00 -0.4
 eSn 32 34.68

GRG 2.09 58 ePn 32 08.76 0.3
 eSn 32 39.24
 SKO 2.34 26 ePn 32 12.00 -0.2
 KNT 2.51 58 ePn 32 15.04 0.5
 SOH 2.69 68 ePn 32 17.32 0.2
 PAIG 2.78 88 ePn 32 17.60 -0.7
 eSn 32 55.88
 OUR 3.04 80 ePn 32 21.48 -0.5
 S.D. = 0.8 on 18 of 19 obs.

% SEP 28, 1993 23h 43m 27.84± 3.07s
 18.568 N ±21.5km 66.822 W ±12.6km
 DEPTH = 61.2 ± 26.2 km
 PUERTO RICO REGION (90)

APR 0.15 143 P 43 38.00 -0.1
 S 43 47.40
 MCP 0.31 242 P 43 38.00 -0.2
 S 43 47.20
 CLLP 0.54 154 P 43 40.40 0.0
 S 43 51.90
 PORP 0.54 161 P 43 40.30 -0.1
 S 43 51.30
 MGP 0.61 204 P 43 41.10 -0.1
 S 43 51.10
 LPR 0.94 106 P 43 44.90 -0.4
 S 43 59.40
 CPD 1.01 121 P 43 46.20 0.0
 S 44 01.60
 S.D. = 0.2 on 7 of 7 obs.

SEP 28, 1993 23h 49m 19.84± 0.36s
 42.239 N ±2.6km 122.077 W ±6.2km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.3 (GS).

LHEM 0.62 190 P 49 32.88 0.6
 LGMM 0.66 164 P 49 33.34 0.2
 LASM 0.74 150 P 49 34.04 -0.6
 LMPM 0.75 185 P 49 34.93 -0.2
 BBOR 0.79 326 P 49 34.28 -1.4
 S 49 45.41
 LGEM 0.90 186 P 49 37.62 -0.1
 LBFM 0.90 171 ePd 49 37.41 -0.3
 eS 49 50.85
 DBO 1.23 316 P 49 42.52 -0.7
 S 50 00.00
 LBKM 1.24 201 P 49 43.06 -0.3
 KOMM 1.41 227 P 49 46.20 0.0
 LGPM 1.44 203 eP 49 45.65 -1.1
 eS 50 05.49
 HSO 1.49 330 P 49 46.65 -0.7
 HBO 1.61 354 P 49 48.53 -0.7
 NCOR 1.62 25 P 49 48.38 -0.9
 WDC 1.69 192 eP 49 50.12 -0.1
 LMEM 1.74 167 (P) 49 50.70 -0.4
 LCFM 1.80 166 P 49 53.24 1.2
 LDGM 1.82 173 P 49 53.60 1.4
 LSLM 1.85 167 P 49 50.56 -2.0
 TCO 1.90 10 P 49 53.61 0.2
 FHC 2.03 226 eP 49 55.73 0.6
 RNO 2.07 324 P 49 56.96 1.2
 FBO 2.10 350 P 49 56.27 0.1
 KMPM 2.38 221 (P) 50 00.53 0.2
 BPO 2.43 7 P 50 02.56 1.5
 MPOR 2.51 335 P 50 03.31 1.3
 ORV 2.72 171 eP 50 05.70 0.7
 VBEM 2.84 7 P 50 09.36 2.5X
 GT2 2.92 357 P 50 10.49 2.6X
 S.D. = 0.9 on 27 of 29 obs.

SEP 28, 1993 23h 58m 11.86± 0.22s
 42.245 N ±1.7km 122.067 W ±3.9km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 3.7 (GS).

LHEM 0.63 190 P 58 24.35 -0.1
 LGMM 0.67 165 P 58 25.18 -0.1
 YBH 0.70 223 ePc 58 25.23 -0.7
 eS 58 35.57
 LASM 0.74 150 P 58 25.90 -0.8
 LMPM 0.76 185 P 58 26.70 -0.5
 BBOR 0.79 325 Pd 58 26.16 -1.5
 LGEM 0.90 186 P 58 29.47 -0.4
 LBFM 0.91 172 ePc 58 29.24 -0.6

28d 23h

DBO	1.23	316	P	58	33.84	-1.4	CLI	2.23	4	P	04	20.90	-0.1	MSU	7.80	293	ePg	03	55.99	39.8X
LBKM	1.24	201	P	58	33.68	-1.8	TNR	2.38	305	ePc	03	53.00	-30.2X	MIAR	7.81	97	ePn	03	16.22	0.1
KSKM	1.41	254	P	58	37.47	-0.8	DMK	2.55	168	iPn	04	26.50	1.0	RSSD	8.28	355	(Pn)	03	23.31	0.4
KOMM	1.42	227	P	58	37.24	-1.2	PTT	2.65	350	eP	04	28.00	1.0				ePg	03	53.32	
LGPM	1.45	203	eP	58	37.52	-1.4	PGB	2.75	231	iP	04	28.00	-0.5	S.D. = 0.8 on 7 of 15 obs.						
HSO	1.48	330	P	58	38.25	-1.1	KDZ	2.93	205	iP	04	32.00	1.1	? SEP 29, 1993 02h 40m 58.05± 3.51s						
			S	58	59.10		RZN	3.14	214	iP	04	33.00	-1.1	3.555 S ±49.3km 138.507 E ±25.2km						
KRMM	1.55	243	P	58	41.74	1.4	VTS	3.29	240	iP	04	34.00	-2.3	DEPTH = 82.0 ± 49.2 km						
HBO	1.61	353	Pd	58	40.46	-0.7	CTT	3.33	162	iPn	04	37.10	0.5	IRIAN JAYA, INDONESIA (201)						
			S	59	02.32		DEV	3.33	299	ePc	04	45.00	8.4X	WWKK 5.11 91 eP 42 13.70 0.0						
NCOR	1.61	25	P	58	40.63	-0.6	ALN	3.50	193	ePn	04	47.20	8.2X	MTN 11.77 218 eP 43 45.00 0.3						
			S	59	02.18		ALN	3.50	193	ePn	04	40.48	1.4	WR2 16.79 194 iPd 44 48.40 -1.1						
WDC	1.70	192	ePd	58	42.02	-0.3				eSn	05	23.11		QIS 16.93 176 eP 44 52.00 0.7						
KHEM	1.80	209	P	58	44.64	0.6	MFT	3.54	177	iPn	04	39.60	0.0	ASPA 20.48 192 eP 45 31.80 0.1						
LDBM	1.82	173	P	58	45.31	1.1	ISK	3.57	155	ePn	04	40.20	0.2	Z 19s 0.10um 3.2Msz						
TCO	1.89	10	P	58	44.55	-0.8	MMB	3.67	223	eP	04	41.00	-0.4	S.D. = 1.4 on 5 of 5 obs.						
			S	59	11.30		KKB	3.81	231	iP	04	43.00	-0.4	& SEP 29, 1993 03h 21m 55.63s						
LHKM	1.90	162	P	58	46.84	1.3	HRT	3.99	150	iPn	04	44.80	-1.2	42.300 N 122.000 W						
FHC	2.04	226	iP	58	48.54	1.3	BNT	4.02	171	ePn	04	46.60	0.3	DEPTH = 5.0km (geophysicist)						
RNO	2.07	324	P	58	48.78	1.0	EDC	4.02	171	eP	04	47.60	1.3	OREGON (32)						
FBO	2.10	350	P	58	47.35	-0.8	BZS	4.07	290	ePc	04	36.50	-10.6X	<SPEC>. MD 2.3 (GS). Held to						
			S	59	16.06		SRS	4.10	220	ePn	04	47.50	0.0	mainshock location.						
FOX	2.25	221	iP	58	52.14	1.8				eSn	05	36.02		LGMM 0.71 170 P 22 10.57 0.7						
KKPM	2.30	205	P	58	52.91	1.7	KNT	4.40	226	ePn	04	52.00	0.2	LASM 0.77 156 P 22 11.51 0.3						
GMO	2.34	20	P	58	52.22	0.5				eSn	05	44.52		LMPM 0.82 189 P 22 12.34 0.2						
KMPM	2.39	221	eP	58	52.42	0.0	SOH	4.44	219	ePn	04	52.28	-0.1	LBPM 0.96 175 eP 22 14.49 0.0						
BPO	2.42	6	P	58	54.86	1.9	EZN	4.53	187	eP	04	52.00	-1.5	LGBM 0.97 189 P 22 14.85 0.2						
VIPM	2.50	25	P	58	52.74	-1.2	OUR	4.59	211	ePn	04	53.76	-0.7	LBKM 1.31 203 P 22 19.84 -0.6						
			S	59	28.91		SKO	4.74	242	ePn	04	56.00	-0.6	LGPM 1.52 204 eP 22 22.78 -0.8						
MPOR	2.50	335	P	58	54.41	0.4	GRG	4.81	227	ePn	04	57.08	-0.6	eS 22 42.27						
			S	59	29.24		PAIG	5.06	211	ePn	04	59.92	-1.2	7 obs. associated						
SSOR	2.63	354	P	58	54.95	-0.8	FNA	5.49	232	iPn	05	07.01	-0.3	* SEP 29, 1993 03h 28m 27.94± 0.84s						
			S	59	32.88		BZK	5.60	112	ePn	05	19.20	10.4X	6.036 S ± 9.8km 142.727 E ± 8.1km						
ORV	2.72	171	eP	58	56.61	-0.4	OHR	5.62	237	iPn	05	08.50	-0.6	DEPTH = 10.0km (geophysicist)						
KFPm	2.80	202	P	59	03.61	5.4X	KAS	5.74	119	eP	05	09.50	-1.4	4.3mb (1 obs.)						
VBEM	2.84	7	P	58	57.81	-1.0	NUR	16.28	356	eP	07	53.70	20.3X	NEW GUINEA, PAPUA NEW GUINEA (202)						
CROR	2.85	16	P	58	58.02	-0.9	KAF	17.83	359	eP	07	48.10	-4.8X	MNDI 0.93 97 eP 28 46.00 0.1						
GT2	2.91	357	P	58	59.80	0.0	NB2	19.21	336	P	08	08.40	-1.5	WWKK 2.56 20 eP 29 10.20 0.0						
TDH	3.05	4	P	59	03.69	1.9				0.6s		0.50nm	2.9mb	PMG 5.52 128 eP 29 52.00 -0.2						
TKO	3.28	343	P	59	05.95	0.9	S.D. = 1.0 on 41 of 48 obs.						MTN 13.29 239 eP 31 39.00 -0.3							
VGB	3.40	15	P	59	09.07	2.4X	? SEP 29, 1993 01h 18m 45.04± 1.27s						WR2 16.04 210 eP 32 15.70 0.4							
KMOR	3.54	344	P	59	09.29	0.6	43.508 N ±12.9km 6.458 E ±12.4km						ASPA 19.48 205 eP 33 00.70 2.5X							
GULW	3.69	5	P	59	12.55	1.6	DEPTH = 10.0km (geophysicist)						1.0s 20.00nm 4.3mb							
MTMW	3.78	358	P	59	12.10	-0.1	NEAR SOUTH COAST OF FRANCE (379)						KIC 147.66 272 PKP 48 17.46 4.9X							
GL2	3.82	13	P	59	12.37	-0.3	ML 1.9 (LDG).						LIC 147.94 272 PKP 48 16.82 3.8X							
ASR	3.92	5	P	59	15.55	1.4	LRG	0.09	233	Pg	18	47.60	0.0	TIC 147.94 273 PKP 48 18.20 5.2X						
SHW	3.95	358	eP	59	14.42	-0.1				Sg	18	49.70		S.D. = 0.4 on 5 of 9 obs.						
FL2	3.96	357	P	59	14.56	-0.1	FRF	0.15	69	Pg	18	47.80	-0.7	SEP 29, 1993 03h 47m 43.33± 0.43s						
ERK	4.06	357	P	59	15.72	-0.4				Sg	18	50.20		49.132 N ± 3.8km 6.879 E ± 5.0km						
TDL	4.11	359	P	59	16.38	-0.4	LMR	0.18	168	Pg	18	49.10	0.1	DEPTH = 10.0km (geophysicist)						
BMW	4.31	349	(P)	59	20.43	0.8				Sg	18	52.50		GERMANY (543)						
CMB	4.40	162	(P)	59	20.05	-0.8	SBF	0.79	63	Pg	19	01.10	0.6	ML 2.6 (STR).						
WFW	4.47	5	P	59	22.29	0.4	S.D. = 0.9 on 4 of 4 obs.						RUP 0.58 12 ePg 47 54.30 -0.9							
LON	4.51	2	eP	59	22.65	0.3	SEP 29, 1993 02h 01m 19.06± 0.66s						LANF 0.63 104 Pg 47 55.65 -0.3							
RSW	4.51	22	P	59	22.52	0.1	35.868 N ± 7.8km 102.981 W ± 7.0km						WLF 0.71 319 iPd 47 56.89 -0.5							
WIW	4.64	25	P	59	24.05	-0.1	DEPTH = 5.0km (geophysicist)						HOFF 0.74 105 Pg 47 57.98 0.2							
MDW	4.67	20	P	59	24.73	0.1	TEXAS PANHANDLE REGION (497)						CDF 0.77 160 Pg 47 58.11 -0.3							
RVC	4.70	1	P	59	25.24	0.1	mbLg 3.3 (GS). Felt (III) at						WLS 0.79 156 Pg 47 58.09 -0.6							
GBL	4.74	22	P	59	25.43	-0.2	Amistad, New Mexico.						ECH 0.94 168 Pg 48 01.19 0.0							
BONR	5.17	145	eP	59	32.90	0.9	ALQ	2.99	253	ePn	02	09.07	0.9	VITF 1.09 213 Pg 48 03.57 -0.3						
MEMM	5.17	151	(P)	59	33.90	2.2X				eS	02	51.09		MOF 1.29 172 Pg 48 08.18 0.8						
MMPM	5.18	152	eP	59	33.28	1.0	WMOK	3.62	107	ePn	02	16.75	-0.2	FEL 1.47 149 Pg 48 10.81 0.9						
RMW	5.22	2	eP	59	32.62	0.1				ePg	02	26.16		TNS 1.49 42 ePnd 48 11.70 1.4						
MCMT	7.18	66	eP	59	59.10	-1.2	GLD	4.26	336	iPg	02	37.72	11.5X	eSn 48 30.80						
S.D. = 1.0 on 61 of 64 obs.							GOL	4.27	334	ePn	02	25.41	-1.0	eSg 48 40.10						
SEP 29, 1993 00h 03m 43.44± 0.32s										eS	03	13.90								
44.323 N ± 2.9km 27.059 E ± 3.5km										eS	03	32.72								
DEPTH = 10.0km (geophysicist)										eS	03	32.79								
ROMANIA (358)										eS	03	32.79								
MD 4.1 (BUC). ML 4.0 (THE). Felt										eS	03	32.72								
(IV) at Slobozia and Lehliu;										eS	03	32.72								
(III) at Bucharest.										eS	03	32.72								
BUC	0.70	278	iPc	03	58.00	0.8	PV08	5.27	303	ePg	03	01.10	20.4X							
BUC1	0.74	272	Pc	03	59.20	1.3	PV10	5.45	299	(Pn)	02	41.10	-2.1X							
TLB	0.75	69	Pc	03	58.40	0.4	PV09	5.57	300	(Pn)	02	47.34	2.4X							
ISR	0.89	336	Pd	04	00.00	-0.6				ePg	03	05.37								
PSN	1.03	128	iPd	04	04.00	1.0	TUL	5.84	87	Pn	02	48.79	0.4							
CFR	1.16	42	Pc	04	04.30	-0.8	BUTX	6.27	130	Pn	02	59.00	4.5X							
MLR	1.41	326	Pd	04	09.10	-0.2				Sn	04	10.00								
VRI	1.56	351	P	04	11.50	0.2				Lg	04	45.00								
PVL	1.67	229	iP	04	14.00	1.2	LTX	6.54	185	(Pn)	02	57.69	-0.7							
MTUR	1.68	303	eP	04	14.40	1.3				eS	04	47.71								
CMP	1.72	304	ePd	04	15.00	1.4	SRU	6.81	301	ePg	03	31.32	29.0X							
JMB	1.89	191	iP	04	18.00	2.0				eS	04	55.68								
DRA	2.04	281	ePd	04	18.00	-0.2	UYO	7.20	101	iPc	03	02.50	-5.0X							

BWA	28.17	179	eP	07	45.60	-0.4
			i	07	50.90	
			i	08	12.80	
CAN	29.09	178	iPc	07	53.80	-0.4

29d 08h

		i	08 03.30		0.6s	2.48nm	4.3mb	MSU	20.33	347 eP	14 23.48	0.2		
		i	08 21.70		91.55	21 eP	14 58.00	0.8	SRU	20.62	351 eP	14 24.78	-1.5	
CNB	29.10	177 iPd	07 54.10	-0.2	1.0s	2.00nm	4.4mb		GOL	20.95	3 eP	14 30.80	1.1	
ADE	29.85	195 iPd	08 01.40	0.4	SLR	113.17	239 iPKPd	20 30.00	0.7	1.3s	19.94nm	4.4mb		
FORT	30.63	214 iPc	08 07.70	-0.1		1.5s	41.67nm		PHAM	20.97	327 eP	14 28.48	-1.2	
	0.8s	52.00nm		5.3mb	BUL	114.61	245 iPKP	20 28.90	-3.4X	GLD	21.01	3 eP	14 32.00	1.8
MBL	30.76	238 iPc	08 09.20	0.1		1.1s	21.52nm			1.3s	29.98nm	4.5mb		
	0.3s	6.00nm		4.8mb	KHC	122.26	326 ePKP	20 45.00	-0.8	EMUT	21.35	351 eP	14 33.83	0.1
TOO	31.36	183 iPd	08 14.70	0.5		e	21 21.50		BONR	21.73	334 eP	14 37.65	0.0	
	1.0s	41.00nm		5.1mb	GEC2	122.34	326 PKP	20 45.20	-0.9	MEMM	21.76	333 (P)	14 38.22	0.7
MEEK	34.33	230 iPc	08 40.40	0.3		0.5s	1.38nm		OKF	21.94	41 eP	14 39.43	0.0	
COOL	34.97	222 eP	08 45.00	-0.5		e	20 54.00		DAU	22.00	350 eP	14 40.31	-0.1	
	0.4s	16.00nm		5.3mb	MYNC	124.46	51 ePKP	20 49.66	-0.9	DUG	22.08	347 eP	14 41.99	1.1
NANU	34.98	239 iPc	08 45.80	0.1	BCAO	129.27	271 ePKPc	21 02.80	2.4	1.6s	39.84nm	4.6mb		
MRWA	37.65	229 eP	09 07.30	-0.7		0.8s	7.00nm		CMB	22.71	331 eP	14 46.59	-0.5	
	0.3s	20.00nm		5.5mb			id	21 34.00		1.5s	25.87nm	4.5mb		
KLB	37.69	224 iPc	09 07.80	-0.6			ic	24 19.10	ARN	22.72	328 (P)	14 47.22	0.0	
	0.5s	27.00nm		5.4mb			id	25 08.90		e	15 00.80			
BAL	37.87	226 eP	09 09.00	-0.9	CNCB	138.08	123 PKPc	21 08.30	-9.4X	HVU	23.60	348 (P)	14 57.17	1.4
	0.8s	61.00nm		5.6mb	LPB	138.12	123 ePKP	21 07.00	-10.6X	FVM	23.84	33 eP	14 58.89	0.9
NWAO	38.84	223 eP	09 18.00	0.0	Z 19s	1.39um		5.7MsZ		1.4s	61.00nm	4.9mb		
	0.6s	15.00nm		5.0mb		i	21 19.80		ELC	23.96	36 eP	14 59.70	0.5	
MUN	39.00	225 iPc	09 20.00	0.7		LR	36 40.00		ORV	24.45	331 eP	15 04.62	0.7	
	1.0s	50.00nm		5.3mb	LPBZ	138.22	123 PKPc	21 06.40	-11.6X	HHA1	25.00	350 eP	15 10.40	1.1
RKG	39.99	221 iPc	09 28.20	0.8		i	21 19.30		RSSD	25.43	4 eP	15 14.52	1.1	
	0.8s	44.00nm		5.4mb		LR	36 18.00			1.4s	16.27nm	4.4mb		
WKYJ	41.70	345 P	09 41.20	-0.3	CCH	139.30	126 PKP	21 10.30	-9.3X	MYNC	25.74	46 eP	15 15.84	-0.4
TKSJ	41.90	343 P	09 42.70	-0.3	SDV	142.01	83 ePKP	21 19.30	-5.1X	1.2s	27.86nm	4.7mb		
IIDJ	42.37	348 P	09 46.60	-0.4	TOV	142.80	82 ePKP	21 22.00	-3.5X	LGPM	26.15	331 (P)	15 20.25	0.2
KAKJ	42.68	351 eP	09 49.00	-0.3	SIV	144.11	128 PKP	21 25.30	-2.3	PRM	26.47	50 eP	15 22.97	0.0
CHJJ	42.72	350 P	09 49.90	0.2	MORO	144.18	80 iPKPd	21 25.70	-2.2	MCMT	26.56	350 eP	15 25.10	1.1
TSRJ	42.85	346 P	09 50.50	-0.3	RSTA	145.39	153 ePKP	21 30.00	0.4	JSC	27.37	50 eP	15 30.71	-0.4
YONJ	43.19	343 P	09 53.40	-0.2	OLLA	145.73	81 iPKPd	21 29.40	-1.2	SGS	27.44	53 (P)	15 32.11	0.3
MAT	43.34	349 eP	09 54.00	-0.8	PPD	146.44	147 ePKP	21 33.20	1.8	GMW	31.67	339 eP	16 07.35	-2.0
	1.0s	53.00nm		5.3mb	VAO	147.74	154 ePKP	21 40.50	7.0X	ULM	32.62	13 eP	16 19.00	1.4
Z 20s		0.35um		4.3MsZ	TRN	150.97	79 ePKP	21 44.57	6.0X	LPBZ	51.40	130 Pc	18 51.50	-0.3
		eS	16 14.00		KIC	152.51	272 PKP	21 48.12	7.2X	LPB	51.58	130 eP	18 50.00	-2.9X
MTMJ	43.46	349 P	09 55.40	-0.5		0.8s	12.00nm			CNCB	51.85	131 P	18 49.70	-5.4X
NIJJ	43.88	350 P	09 59.20	0.1	TIC	152.79	273 PKP	21 49.34	8.0X		e	19 02.00		
YAMJ	44.63	352 eP	10 05.90	0.8		0.7s	10.00nm		INK	52.40	348 eP	18 58.50	0.6	
SSE	44.80	327 Pc	10 06.00	-0.6	BAO	153.43	145 ePKP	21 26.30	-16.0X		1.0s	4.00nm	4.3mb	
	0.9s	19.00nm		4.9mb		i	21 34.10		CCH	53.56	130 eP	19 09.00	1.5	
Z 20s		0.80um		4.6MsZ	SOB1	162.58	151 ePKP	21 54.10	1.1		S.D. = 1.0 on 55 of 58 obs.			
N 12s		0.40um				S.D. = 0.9 on 74 of 92 obs.								
		eS	16 35.00			SEP 29, 1993 08h 09m 46.92± 0.67s			% SEP 29, 1993 08h 44m 44.42± 0.72s					
		esS	17 10.00			18.706 N ± 8.4km 106.595 W ± 5.4km			26.388 S ± 5.6km 27.429 E ± 7.9km					
		SS	19 48.00			DEPTH = 33.0km (normal)			DEPTH = 5.0km (geophysicist)					
OFUJ	45.31	354 eP	10 11.10	0.7		4.5mb (13 obs.)			REPUBLIC OF SOUTH AFRICA (584)					
AOMJ	46.92	352 eP	10 25.30	2.1		OFF COAST OF JALISCO, MEXICO (54)			ML 2.3 (PRE).					
SNG	48.70	285 eP	11 04.00	26.6X										
KUSJ	49.06	357 eP	10 39.90	0.2	CGX	3.12	71 iPd	10 33.50	-1.7	PRY	0.54	176 eP	44 55.10	-0.2
ASAJ	50.21	355 eP	10 49.40	0.9			iS	11 16.00		S	45 01.80			
NST	51.75	295 eP	11 02.00	1.4	MZX	4.47	2 iP	10 51.00	-3.2X	KSR	0.71	317 eP	44 58.50	-0.1
CHG	53.97	298 eP	11 34.20	17.1X			iS	11 40.00		S	45 07.00			
BJI	54.30	330 eP	11 17.50	-1.6	MRX	5.20	78 iPd	11 04.50	0.0	SLR	1.01	50 eP	45 04.00	0.0
	1.0s	11.00nm		4.8mb			iS	12 09.00		S	45 16.50			
Z 24s		0.96um		4.8MsZ			iS	12 09.50		SEK	1.94	175 eP	45 19.00	0.5
		eS	18 44.00		CRX	6.58	83 iPd	11 24.50	0.3		S	45 42.50		
LZH	58.69	319 eP	11 49.50	-1.2	ACX	6.67	105 iPd	11 25.00	-0.2	SWZ	2.04	247 eP	45 20.30	0.3
	1.6s	35.00nm		5.2mb	UNM	7.04	84 iP	11 31.00	0.4		S	45 45.60		
Z 30s		0.75um		4.6MsZ			(S)	13 08.00		BLF	2.93	202 e(P)	45 32.00	-0.6
		pP	11 54.50	16kmX	PPM	7.55	86 iPc	11 39.00	1.0		S.D. = 0.5 on 6 of 6 obs.			
AFR	62.09	107 iPc	12 14.50	0.6	IIT	7.85	86 iP	11 41.00	-1.0					
	0.9s	62.20nm		5.6mb	IISM	8.73	87 iPd	11 54.00	0.0	% SEP 29, 1993 08h 54m 29.48± 0.94s				
PAE	62.29	107 iPc	12 15.80	0.7	OXX	9.54	98 iPc	12 04.50	-0.8	39.124 N ± 6.9km 27.645 E ± 11.4km				
	1.2s	63.10nm		5.5mb	LTX	10.91	14 (P)	12 24.61	0.7	DEPTH = 10.0km (geophysicist)				
PPT	62.29	107 iPc	12 15.80	0.6			eS	15 24.57		TURKEY (366)				
	0.8s	50.00nm		5.6mb	GLA	16.08	334 eP	13 32.06	-0.2	ML 2.8 (ISK).				
Z 27s		2025.00um		8.2MsZ	ALQ	16.17	0 eP	13 35.25	1.7					
PPN	62.42	107 iPc	12 16.80	0.8		1.8s	31.74nm	4.1mb	IZM	0.78	203 ePg	54 44.80	0.0	
	0.8s	39.20nm		5.5mb						eSg	54 56.80			
TVO	62.61	107 iPc	12 17.90	0.6	PLM	17.24	330 eP	13 47.04	0.0	EDC	1.23	8 ePn	54 52.60	0.2
	1.2s	147.60nm		5.8mb	WMOK	17.41	22 eP	13 47.07	-1.9	EZN	1.24	305 iPn	54 52.30	-0.2
PMO	63.84	104 iPc	12 26.40	1.0		1.9s	87.11nm	4.6mb	BNT	1.25	10 ePn	54 52.60	-0.1	
	1.4s	319.80nm		6.1mb	UYO	18.82	33 iPd	14 06.40	0.1	KCT	1.25	26 iPn	54 52.50	-0.2
VAH	64.10	104 iPc	12 27.90	0.8	GSC	18.85	333 eP	14 05.68	-1.1	KGT	1.35	349 iPn	54 54.60	0.3
	0.9s	31.80nm		5.2mb	MIAR	19.57	34 eP	14 14.00	-1.1		S.D. = 0.3 on 6 of 6 obs.			
TPT	64.11	104 iPc	12 28.10	1.0		1.5s	29.49nm	4.4mb						
	1.1s	95.20nm		5.6mb	ABL	19.61	328 (P)	14 16.24	0.5	* SEP 29, 1993 08h 59m 32.14± 1.70s				
RUV	64.34	104 iPc	12 29.40	0.8	PV10	19.71	354 eP	14 14.74	-2.2	13.964 N ± 22.2km 92.941 W ± 10.1km				
	1.3s	220.20nm		5.9mb	PV09	19.84	354 eP	14 18.57	0.2	DEPTH = 33.0km (normal)				
CSY	65.31	196 eP	12 33.10	-1.0	PV08	19.88	355 eP	14 18.17	-0.6	OFF COAST OF CHIAPAS, MEXICO (68)				
	0.5s	8.40nm		4.9mb	ISA	19.89	330 eP	14 18.02	-0.5					
GBA	72.34	286 P	13 26.00	7.7X		1.8s	40.81nm	4.4mb	GCG	2.41	75 ePd	00 10.88	0.5	
SPA	83.92	180 iPc	14 21.50	0.6	ARUT	19.93	344 (P)	14 18.20	-0.9		eS	00 41.49		
	1.0s	54.00nm		5.4mb	TPNV	20.06	337 eP	14 20.51	0.1	IXG	2.42	85 ePc	00 10.13	-0.3
FBA	85.06	23 eP	14 24.27	-2.2		1.0s	17.34nm	4.3mb			eS	00 39.32		
					BCH	20.31	327 eP	14 20.88	-2.1					

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SCX 2.77 6 iP 00 15.00 -0.1
 YUP 3.06 85 ePc 00 19.40 0.0
 OXX 4.79 311 eP 00 48.00 4.0X
 (S) 01 44.00
 IISM 6.56 320 iP 01 09.00 0.1
 (S) 02 13.00
 PPM 7.45 314 iP 01 22.00 0.2
 UYO 20.16 356 iPc 04 01.90 -4.6X
 MCMT 35.11 335 eP 06 24.40 -0.4
 S.D. = 0.4 on 7 of 9 obs.

% SEP 29, 1993 09h 09m 47.84±1.67s
 39.720 N ± 6.4km 20.263 E ±18.3km
 DEPTH = 10.0km (geophysicist)
 GREECE-ALBANIA BORDER REGION (392)
 ML 2.6 (THE).

IGT 0.20 164 iPg 09 52.10 -0.1
 eSg 09 57.10
 FNA 1.36 38 ePb 10 12.90 0.0
 eSb 10 33.10
 OHR 1.45 16 iPn 10 14.20 0.1
 i 10 16.70
 i 16 36.30
 AGG 1.75 113 ePb 10 18.54 0.1
 eSb 10 41.26
 LIT 1.75 77 iPb 10 18.50 0.0
 eSb 10 42.02
 GRG 2.05 52 ePn 10 22.62 -0.2
 S.D. = 0.1 on 6 of 6 obs.

% SEP 29, 1993 09h 19m 06.34±0.94s
 39.121 N ± 6.9km 27.641 E ±11.3km
 DEPTH = 10.0km (geophysicist)
 TURKEY (366)
 ML 2.7 (ISK).

Izm 0.78 202 ePg 19 21.60 0.0
 eSg 19 34.10
 EDC 1.24 8 ePn 19 29.60 0.3
 EZN 1.24 305 ePn 19 29.30 0.0
 BNT 1.25 10 ePn 19 29.60 0.0
 KCT 1.25 26 iPn 19 29.50 -0.2
 KGT 1.35 349 iPn 19 31.10 -0.1
 S.D. = 0.2 on 6 of 6 obs.

? SEP 29, 1993 09h 28m 30.84±18.14s
 19.778 N ±146.km 66.227 W ±25.7km
 DEPTH = 33.0km (normal)
 PUERTO RICO REGION (90)

APR 1.40 200 P 28 54.20 -0.1
 S 29 10.20
 LPR 1.50 167 P 28 55.80 0.0
 S 29 13.70
 MCP 1.59 212 P 28 57.00 0.0
 CLLP 1.72 191 P 28 59.10 0.2
 S 29 16.70
 CPD 1.76 170 P 28 59.40 0.0
 PORP 1.76 193 P 28 59.30 -0.2
 MGP 1.94 205 P 29 02.20 0.1
 S.D. = 0.1 on 7 of 7 obs.

SEP 29, 1993 09h 39m 20.67±0.12s
 18.966 S ± 3.0km 167.667 E ± 3.6km
 DEPTH = 34.5km (36 depth phases)
 5.5mb (57 obs.) 5.2MsZ (36 obs.)
 VANUATU ISLANDS (186)

Mw 5.5 (HRV). Ms 5.2 (BRK).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 40S, 78C
 Centroid Location:
 Origin Time 09:39:23.2 0.2
 Lat 18.87S 0.04 Lon 167.34E 0.03
 Dep 15.0 FIX Half-duration 1.6
 Moment Tensor; Scale 10**17 Nm
 Mrr=-1.83 0.04 Mtt=-0.06 0.06
 Mff= 1.89 0.06 Mrt=-0.11 0.13
 Mrf= 0.31 0.17 Mtf=-0.33 0.04
 Principal Axes:
 T Val= 1.97 Plg= 5 Azm=261
 N -0.11 2 171
 P -1.85 85 58
 Best Double Couple:Mo=1.9*10**17
 NP1:Strike=353 Dip=40 Slip= -87

NP2: 169 50 -93
 PVC 1.37 27 iPd 39 41.20 -2.5
 IS 39 58.70
 BKM 1.40 23 iP 39 41.50 -2.7X
 DZM 3.29 200 iPd 40 07.50 -3.8X
 IS 40 43.90
 SVA 10.27 87 eP 41 52.50 3.7X
 HNR 12.07 321 eP 42 08.00 -5.3X
 e(S) 44 28.00
 OUZ 17.02 163 eP 43 16.30 -1.4
 ARMA 18.48 229 eP 43 37.00 1.0
 1.0s 166.00nm 5.2mb
 i 43 48.60
 KUZ 19.08 160 eP 43 43.40 0.4
 CTA 20.21 263 iPc 43 55.00 -0.6
 2.0s 411.76nm 5.4mb
 i 44 05.00 40km
 i 44 13.50
 eS 46 43.00
 e 47 45.00
 MOZ 20.44 164 eP 43 55.30 -2.4
 RIV 20.88 222 iPc 44 08.00 5.7X
 eS 48 00.00
 URZ 20.91 159 eP 44 04.50 1.9
 RAB 21.09 312 eP 44 08.00 3.3X
 iS 48 08.00
 PUZ 21.16 156 eP 44 05.20 0.0
 NGZ 21.28 163 P 44 06.50 -0.1
 CNZ 21.29 163 eP 44 08.40 1.8
 NOZ 21.56 157 eP 44 09.60 0.5
 PMG 22.01 293 eP 44 15.00 1.1
 MNG 22.60 164 eP 44 19.40 -0.1
 KIW 22.69 166 P 44 21.10 0.7
 PGZ 22.81 163 eP 44 21.90 0.3
 TCW 22.88 167 eP 44 23.20 0.9
 CNB 22.97 221 iPd 44 27.20 3.9X
 0.9s 128.00nm 5.4mb
 i 44 35.40 29km
 MRW 23.00 166 eP 44 23.90 0.5
 BWA 23.02 224 iPd 44 23.50 -0.2
 i 44 34.80 44km
 i 44 50.70
 SNZO 23.07 166 eP 44 26.00 1.9
 eS 48 48.00
 MTW 23.11 165 eP 44 24.50 0.0
 THZ 23.16 170 eP 44 27.00 2.0
 CAN 23.20 222 iPd 44 27.80 2.3X
 i 44 38.00 38km
 MOW 23.30 165 eP 44 24.20 -2.2
 BLW 23.30 165 P 44 26.10 -0.3
 LTZ 24.06 172 P 44 33.80 0.0
 QIS 26.44 262 eP 44 56.00 -0.4
 STK 26.75 236 iPc 44 59.40 0.2
 1.3s 17.30nm 4.5mb
 i 45 08.90 34km
 TOO 26.81 222 eP 45 04.20 4.5X
 0.8s 46.00nm 5.2mb
 i 45 10.50 22kmX
 ADE 30.19 232 eP 45 39.60 9.4X
 WR2 31.39 263 iPc 45 38.40 -2.4
 0.5s 4.70nm 4.6mb
 i 45 48.70 37km
 WRA 31.41 263 P 45 39.00 -2.0
 1.2s 2.20nm 3.9mb X
 ASPA 31.76 256 iPd 45 42.20 -1.9
 1.1s 36.00nm 5.2mb
 Z 22s 9.00um 5.4MsZ
 eS 50 43.30
 MTN 35.61 274 iPc 46 07.10 -10.3X
 1.0s 338.00nm
 GUMO 39.38 324 (P) 46 45.90 -3.1X
 0.6s 48.06nm 5.4mb
 PJG 39.38 324 eP 46 44.30 -4.7X
 MBL 44.85 259 iPd 47 33.20 -0.5
 1.0s 125.00nm 5.7mb
 MEEK 45.64 251 iPd 47 39.00 -0.9
 NWA0 47.02 242 eP 47 49.90 -0.8
 i 47 59.70 33km
 MUN 47.83 244 iPc 47 56.20 -0.9
 1.0s 50.00nm 5.5mb
 MRWA 47.94 247 eP 47 57.00 -1.0
 0.7s 13.00nm 5.1mb
 NANU 48.69 256 iPc 48 04.00 0.1
 i 48 13.90 33km
 DAV 48.90 298 eP 48 08.00 2.4X
 HON 52.28 42 P 48 40.00 8.9X

Z 20s 1.46um 5.0MsZ
 BAG 58.15 304 eP 49 13.80 -0.1
 eS 57 16.00
 SBA 58.92 180 iPc 49 19.10 0.7
 LEM 59.51 273 ePd 49 23.00 -0.6
 CSY 59.79 203 eP 49 22.30 -2.2
 0.9s 7.70nm 4.8mb
 i 49 33.00 36km
 KAKJ 60.72 335 eP 49 31.90 0.8
 CHJJ 61.08 334 eP 49 35.60 2.0
 MAT 61.83 333 eP 49 37.00 -1.7
 1.2s 18.75nm 5.1mb
 MTMJ 62.04 333 eP 49 38.70 -1.5
 QZH 64.70 311 eP 50 00.00 2.2
 S 58 40.00
 KUSJ 65.27 342 eP 50 01.10 0.0
 ASAJ 66.83 341 eP 50 12.00 0.9
 SSE 66.86 317 P 50 12.00 0.5
 1.0s 13.00nm 5.0mb
 Z 20s 0.90um 5.0MsZ
 N 18s 0.80um
 E 18s 0.70um
 pP 50 21.00 29km
 PCP 50 41.00
 NJ2 68.99 317 eP 50 25.30 0.5
 pP 50 36.80 38km
 YSS 69.42 342 eP 50 27.00 -0.2
 1.1s 90.00nm 5.7mb
 e 50 38.50 38km
 SNG 70.97 285 eP 50 39.00 1.7
 e 00 05.50
 WHN 71.07 313 eP 50 37.00 -0.6
 1.5s 80.00nm 5.5mb
 Z 18s 1.20um 5.2MsZ
 pP 50 48.50 38km
 S 59 54.00
 SPA 71.15 180 iPc 50 36.60 -1.2
 1.3s 19.17nm 5.0mb
 SMY 71.61 4 P 50 50.00 9.7X
 Z 19s 2.04um 5.4MsZ
 MDJ 72.18 332 eP 50 45.00 1.1
 TIA 72.76 319 eP 50 46.50 -1.0
 Z 25s 1.05um 5.0MsZ
 E 13s 0.55um
 S 00 15.00
 SNY 72.94 327 Pc 50 50.00 1.6
 Z 20s 0.73um 5.0MsZ
 sP 51 09.00
 S 00 15.00
 CN2 73.46 329 eP 50 52.00 0.6
 1.0s 11.00nm 4.8mb
 Z 20s 0.31um 4.6MsZ
 N 15s 0.37um
 E 15s 0.38um
 epP 51 08.00 58kmX
 eS 00 17.00
 GYA 74.45 306 P 50 57.40 -0.3
 Z 24s 0.73um 4.9MsZ
 pP 51 08.80 38km
 BJI 75.80 322 eP 51 04.50 -0.5
 1.6s 25.00nm 5.0mb
 Z 20s 1.20um 5.2MsZ
 epP 51 16.00 38km
 eS 00 48.00
 TIY 76.63 318 Pc 51 10.60 0.7
 Z 24s 1.21um 5.1MsZ
 N 18s 1.01um
 XAN 76.84 313 P 51 12.10 1.1
 1.4s 31.00nm 5.1mb
 Z 25s 0.86um 5.0MsZ
 PCP 51 21.00
 S 01 00.00
 KMI 76.87 303 eP 51 12.00 0.3
 1.2s 80.00nm 5.6mb
 Z 20s 1.10um 5.2MsZ
 pP 51 23.00 36km
 eS 01 02.00
 CHG 77.19 295 eP 51 14.00 0.8
 1.1s 26.27nm 5.2mb
 MAW 78.12 202 P 51 17.80 0.3
 1.1s 32.61nm 5.3mb
 SDN 78.80 18 P 51 30.00 8.7X
 Z 20s 1.59um 5.3MsZ
 CD2 78.89 308 eP 51 23.60 1.1
 Z 28s 1.00um 5.0MsZ
 eS 01 20.50
 HHC 79.05 320 eP 51 23.80 0.6

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	1.2s	73.00nm	5.5mb		Z	21s	1.43um	5.4Msz		Z	24s	0.86um	5.1MszX
BTO	26s	0.99um	5.0MszX				e	52 21.77 35km		MCMT	95.97	45 eP	52 46.00 0.2
LZH	79.85	319 eP	51 28.00 0.5		RNO	88.49	42 P	52 12.39 1.4		PV09	96.45	52 eP	52 47.93 -0.2
	81.45	313 eP	51 36.50 0.4		LBFM	88.51	45 eP	52 11.22 -0.1		PV10	96.48	52 eP	52 47.38 -0.9
	1.5s	130.00nm	5.7mb		PEC	88.73	54 eP	52 11.99 -0.3		INK	96.76	19 eP	52 48.50 0.0
Z	20s	0.69um	5.0Msz			0.9s	36.77nm	5.7mb			1.2s	11.00nm	5.2mb
	pP	51 47.50 35km			PLM	88.74	54 eP	52 11.77 -0.8		PV08	96.84	52 eP	52 49.32 -0.6
	eS	01 44.00					e	52 22.84 35km		ALQ	97.37	56 eP	52 51.18 -1.1
KDC	83.28	20 eP	51 45.59 0.7		MMPM	88.88	50 eP	52 13.54 0.2			1.0s	6.62nm	5.1mb
	1.3s	62.34nm	5.6mb		MEMM	88.97	50 eP	52 14.39 1.2		Z	21s	0.51um	5.0Msz
AUP	84.28	19 eP	51 49.16 -0.9		MTUM	89.11	50 eP	52 14.29 0.1		BW06	97.53	47 eP	52 51.63 -1.2
CIT	84.87	330 eP	51 54.00 1.0		ZAK	89.21	325 eP	52 14.00 -0.1			1.2s	7.80nm	5.1mb
SVW	85.06	17 eP	51 53.50 -0.4			1.2s	70.00nm	5.9mb		LTX	97.94	62 eP	52 53.31 -1.5
	1.4s	232.93nm	6.2mb		Z	16s	0.40um	4.9MszX		GOL	99.60	51 P	53 10.00 7.7X
GTA	85.86	314 eP	51 58.50 0.1				e	52 25.00 35km		Z	21s	1.10um	5.3Msz
	1.5s	52.00nm	5.5mb				e	03 06.00		GLD	99.73	51 eP	53 02.40 -0.4
Z	22s	1.17um	5.2Msz		MRCM	89.28	50 eP	52 15.36 0.3			1.1s	8.71nm	5.2mb
E	15s	0.41um			KMOR	89.46	41 P	52 16.40 0.9		Z	20s	1.40um	5.5Msz
	pP	52 10.00 37km			BNOR	89.54	49 eP	52 16.26 -0.1		RSSD	101.76	47 ePdiff	53 11.13 -0.8
	sP	52 13.50			GSC	89.56	52 eP	52 16.19 -0.1			1.1s	10.28nm	5.4mb
	SKS	02 24.00					e	52 26.40 32km		WMOK	103.39	58 Pdiff	53 30.00 10.9X
	sS	02 54.00			IMA	89.63	15 eP	52 14.52 -1.4		Z	19s	0.63um	5.2Msz
YAK	86.15	343 iP	51 58.70 -0.4			1.3s	16.60nm	5.2mb		MIAR	107.53	59 PKP	58 00.00 14.1X
	1.8s	209.00nm	6.1mb				e	52 26.57 39km		Z	20s	0.48um	5.1Msz
SLKM	86.18	19 eP	51 57.55 -1.9		SSOR	89.74	42 P	52 16.30 -0.6		CNCB	114.75	119 ePKP	58 01.00 0.1
TTA	86.47	16 eP	52 00.71 -0.1		ONR	89.87	40 P	52 18.88 1.6				i	58 59.00
	1.3s	34.67nm	5.4mb		BMW	90.01	40 eP	52 17.88 -0.2		LPB	114.79	119 (PKP)	57 58.00 -2.8X
KMPM	86.59	45 eP	52 02.52 0.6				e	52 28.00 32km		LPZ	114.89	119 PKPc	58 00.40 -0.8
		e	52 13.32 34km		GLA	90.20	55 eP	52 19.64 0.4				LR	16 09.00
NTYM	86.64	48 eP	52 03.18 1.1				e	52 29.45 31km		SVE	114.98	325 ePKPd	58 10.00 10.6X
BKS	86.71	48 eP	51 59.09 -3.3X		COL	90.26	17 eP	52 16.61 -2.1		MYNC	115.30	60 PKP	58 10.00 9.2X
	1.0s	120.00nm	6.1mb			1.0s	45.01nm	5.7mb		Z	21s	0.49um	5.1Msz
Z	21s	0.60um	5.0Msz				e	52 27.49 34km		CEH	119.46	59 PKP	58 20.00 11.4X
	eSKS	02 41.09			FBA	90.26	17 eP	52 16.95 -1.8		Z	20s	0.42um	5.1Msz
	eLQ	15 06.09				1.0s	25.38nm	5.5mb		YSNY	119.99	51 PKP	58 20.00 10.5X
	eLR	18 38.09					e	52 27.26 32km		Z	21s	0.56um	5.2Msz
SAO	86.77	49 eP	52 02.81 0.0		TNP	90.38	50 eP	52 20.27 0.1		SIV	120.79	123 PKP	58 10.80 -0.9
	1.3s	80.00nm	5.8mb			1.2s	45.08nm	5.7mb		BINY	121.89	52 PKP	58 20.00 6.9X
Z	19s	1.04um	5.3Msz		VBEM	90.39	42 P	52 19.72 -0.2		Z	20s	0.78um	5.4Msz
COE	86.83	49 eP	52 03.61 0.6		SHW	90.49	41 eP	52 21.06 0.7		RSTA	123.81	139 (PKP)	58 17.00 -0.3
ARC	86.83	45 eP	52 04.89 2.0		STW	90.53	39 P	52 21.22 0.9		LSCT	123.98	52 PKP	58 30.00 12.9X
	1.4s	140.00nm	6.0mb		TPNV	90.63	51 eP	52 21.13 -0.2		Z	19s	0.72um	5.4Msz
FHC	86.86	45 eP	52 04.66 1.5			0.9s	32.58nm	5.7mb		LEBH	124.67	49 PKP	58 30.00 11.7X
	1.3s	176.48nm	6.1mb				e	52 31.97 34km		Z	21s	1.32um	5.6Msz
	e	52 13.31 27km			CROR	90.73	42 P	52 21.27 -0.2		HRV	125.14	51 PKP	58 30.00 10.7X
MHC	86.89	49 eP	52 03.04 -0.5		VIPM	90.76	43 P	52 21.53 -0.2		Z	20s	0.59um	5.2Msz
	1.5s	180.00nm	6.1mb		GMW	90.78	39 eP	52 21.64 0.1		KRI	125.53	232 iPKP	58 36.50 15.5X
ARN	86.97	49 eP	52 04.03 0.3				e	52 31.63 31km		CBM	126.86	45 PKP	58 30.00 7.5X
BCH	87.07	51 eP	52 04.91 0.5		ASR	90.87	41 P	52 22.21 0.1		Z	19s	0.73um	5.4Msz
PHAM	87.12	51 eP	52 04.91 0.4		LON	91.01	40 eP	52 21.96 -0.7		OBN	128.44	326 ePKP	58 27.00 1.8
HMR	87.14	48 eP	52 05.50 1.0		VGB	91.10	42 eP	52 22.76 -0.3			1.5s	49.00nm	58 36.00
ILT	87.19	5 eP	52 07.00 3.0X				e	52 33.07 32km		LMN	129.34	46 ePKP	58 26.50 -0.8
PMR	87.35	19 eP	52 03.91 -1.1		FMW	91.17	40 P	52 23.71 0.1		SPC	140.09	327 ePKP	58 41.10 -6.5X
	0.6s	8.64nm	5.2mb		MCW	91.28	38 eP	52 24.33 0.5				e	58 49.20
Z	21s	0.96um	5.2Msz				eP	52 35.08 34km		SOB1	140.29	132 ePKP	58 42.50 -6.3X
ABL	87.57	52 eP	52 07.19 0.2		RMW	91.33	40 eP	52 24.08 -0.1		KSP	140.94	331 ePKP	58 46.40 -2.4
LGPM	87.69	45 eP	52 07.63 0.4		JCW	91.59	39 P	52 25.61 0.4				e	58 50.30
WDC	87.73	46 ePc	52 07.82 0.5		JBO	91.67	42 P	52 25.58 -0.1		PSZ	141.04	325 e(PKP)	58 51.20 2.0
	1.5s	206.87nm	6.2mb		GUN	91.76	299 P	52 31.20 4.3X		BRG	141.96	333 iPKP	58 49.00 -1.7
Z	20s	1.64um	5.4Msz		EBG	91.84	41 P	52 26.71 0.2				e	58 52.30
	e	52 18.24 33km			KKN	92.22	299 P	52 28.40 -0.5		CLL	142.03	334 ePKP	58 51.00 0.2
ORV	87.98	47 eP	52 08.11 -0.4		DMN	92.30	298 P	52 30.40 1.1		Z	1.9s	31.00nm	
	1.7s	220.00nm	6.2mb		WAH2	92.40	41 P	52 29.76 0.8		ZST	142.33	327 ePKP	58 49.30 -2.1
Z	21s	1.10um	5.2Msz		WTV	92.56	40 P	52 29.20 -0.6		PRU	142.34	331 ePKP	58 49.20 -2.1
	eS	02 43.67			LNOR	92.83	42 P	52 30.96 -0.1				e	58 59.30
	eSKS	02 48.67			SAW	92.90	40 P	52 31.27 0.0				e	59 04.10
	eLQ	15 29.67			ARUT	93.02	51 eP	52 31.34 -0.9				ePKKP	08 08.40
	eLR	19 21.67					e	52 41.33 31km		MOX	143.11	334 ePKP	58 49.70 -3.0X
CMB	88.09	49 eP	52 08.67 -0.5		DPW	93.71	40 P	52 35.13 0.1			2.2s	73.00nm	
	1.1s	80.00nm	5.9mb		MSU	94.21	51 eP	52 38.21 0.4				e	59 07.00
Z	18s	0.60um	5.1Msz				e	52 47.75 30km		SKO	143.31	316 ePKP	58 56.60 3.3X
	eSKS	02 45.63			DUG	94.35	49 eP	52 37.30 -1.0		KHC	143.39	331 PKPc	58 51.50 -1.7
	eLQ	15 33.63				0.9s	9.73nm	5.2mb				e	59 07.50
	eLR	19 16.63			Z	20s	0.76um	5.2Msz			1.4s	22.00nm	
LSA	88.12	302 P	52 11.10 1.1		NEW	94.53	40 eP	52 38.07 -0.7				e	59 07.50
YBH	88.14	45 eP	52 05.52 -3.8X			1.1s	19.84nm	5.5mb				PKKP	08 18.00
	1.6s	180.00nm	6.1mb		Z	21s	3.90um	5.8Msz				e	08 24.00
Z	20s	1.10um	5.3Msz		GBA	94.54	283 P	52 40.00 0.6				e	08 29.50
	eS	02 49.52			HYB	94.71	287 eP	52 50.50 10.3X				e	09 23.50
	eLQ	15 43.52			HVV	94.94	48 eP	52 40.67 -0.3		GEC2	143.54	331 PKP	58 50.70 -2.9X
	eLR	19 13.52			DAU	95.54	49 eP	52 43.76 -0.2			1.1s	10.33nm	
MIN	88.26	46 eP	52 09.35 -0.7		PTI	95.61	47 eP	52 44.19 0.1				e	58 58.20
	1.5s	140.00nm	6.0mb		SRU	95.63	51 eP	52 43.45 -0.8				e	59 02.00
LMEM	88.37	46 eP	52 11.03 0.4		EMUT	95.65	50 eP	52 43.58 -0.9				e	59 06.20
SSK	88.46	53 eP	52 11.53 0.4		HHA1	95.75	46 eP	52 44.60 -0.1		WET	143.70	332 ePKP	58 54.50 0.8
ISA	88.47	51 ePd	52 10.75 -0.3		WMQ	95.95	314 P	52 47.50 2.0		WTS	143.77	340 ePKP	58 55.00 1.3
	1.8s	216.54nm	6.2mb			1.2s	27.00nm	5.6mb			1.2s	27.30nm	

GRF	144.00	334	ePKP	58	52.60	-1.6	1.2s	66.35nm	MTW	23.21	164	P	53	52.50	-0.6						
Z	22s	0.30um	e	59	03.60	5.0msz	RSP	149.22	332	PKP	59	05.95	2.9X	THZ	23.24	170	eP	53	54.00	0.6	
							HYF	149.23	340	ePKP	59	07.90	5.1X	LTZ	24.14	171	eP	54	01.00	-0.7	
OHR	144.14	315	iPKP	58	50.50	-4.3X	SMF	149.36	338	iPKPc	59	07.70	4.7X	QTS	26.26	262	eP	54	22.50	0.2	
DBN	144.19	342	ePKP	58	53.00	-1.4								STK	26.62	236	iPd	54	26.00	0.5	
PTJ	144.41	325	ePKP	58	50.70	-4.4X	AVF	149.40	339	iPKPc	59	07.50	4.4X		0.8s	22.80nm				4.8mb	
ZAG	144.45	325	i(PKP)	58	55.10	0.1		1.2s	34.50nm						iPp	54	36.40	38km			
BNS	144.52	339	i(PKP)	58	54.90	-0.1	BHB	149.46	332	PKP	59	07.18	3.9X	TOO	26.72	221	iPc	54	26.60	0.2	
TNS	144.68	337	ePKPc	58	54.30	-1.1	FIN	149.52	330	PKP	59	06.86	3.5X		1.0s	76.00nm				5.3mb	
			i	59	05.80		LPF	149.59	345	iPKPc	59	08.20	4.9X			i	54	37.10	39km		
BHG	144.73	330	iPKPd	58	50.90	-4.6X		1.4s	203.00nm					ADE	30.06	232	iPd	54	56.50	-0.2	
KBA	144.96	329	iPKPc	58	54.90	-1.2	RRL	149.61	333	PKP	59	08.10	4.3X	WR2	31.20	263	iPd	55	04.90	-1.9	
	1.0s	75.20nm					BGF	149.78	339	iPKPc	59	08.80	5.1X		0.5s	16.30nm				5.1mb	
			i	59	06.30			1.3s	62.10nm						iPp	55	15.90	41km			
VBY	145.04	325	ePKPd	58	55.50	-0.6	PZZ	149.80	332	PKP	59	08.33	4.4X	WRA	31.22	263	P	55	05.59	-1.4	
			i	58	57.20		ENR	149.87	331	PKP	59	06.68	2.7X	ASPA	31.58	255	iPd	55	08.80	-1.3	
LJU	145.07	327	ePKP	58	55.50	-0.6	IMI	149.89	330	PKP	59	07.28	3.3X		0.9s	78.40nm				5.6mb	
			epPKP	59	06.60		PLDF	150.01	337	PKP	59	09.35	5.2X	Z	21s	6.90um				5.3mszX	
			e	59	15.00		TOUF	150.11	331	PKP	59	04.76	0.3			iPp	55	19.50	39km		
			i	08	24.00		AGO	150.12	338	PKP	59	09.58	5.4X	MTN	35.41	274	iPc	55	43.00	-0.3	
ENN	145.11	340	ePKP	58	56.00	0.0	SBF	150.14	331	iPKPc	59	09.40	5.0X	KNA	37.02	269	iPd	55	57.00	0.2	
	1.4s	183.80nm						1.0s	74.60nm					0.8s	124.00nm					5.8mb	
			e	59	07.00		MAF	150.17	339	iPKPc	59	09.90	5.6X	MEEK	45.47	251	iPc	57	06.30	0.1	
FUR	145.14	332	ePKP	58	56.10	-0.1		1.4s	71.45nm					KLB	46.33	244	iPd	57	12.10	-0.8	
			i	59	07.50		TCF	150.23	339	ePKP	59	10.00	5.6X		0.6s	42.00nm				5.6mb	
MEM	145.22	339	iPKPc	58	56.03	-0.1		1.4s	126.75nm					NWAO	46.87	242	iPc	57	16.90	-0.2	
			id	59																	

29d 10h

KMI	76.68	303	Pd	00	39.50	1.3	GLA	90.33	55	eP	01	47.43	0.1	GEC2	143.40	331	PKP	08	18.50	-2.4
	1.5s	200.00nm			5.9mb					ipP	01	58.18	34km		1.7s	27.90nm				
Z	30s	1.50um			5.1MsZ		TNP	90.49	50	eP	01	48.37	0.1			e	08	23.50		
		pP	00	49.50	32km			0.9s	16.88nm				5.4mb			e	08	29.40		
CHG	76.99	295	ePd	00	40.70	1.0	SHW	90.58	41	eP	01	58.27	31km	WTS	143.66	340	ePKP	08	20.00	-1.0
	1.1s	37.34nm			5.3mb					epP	02	00.04	35km		0.9s	9.40nm				
		eSg	05	41.00			STW	90.62	39	P	01	49.08	0.8			e	08	30.00		
MAW	78.10	202	P	00	45.50	0.6	TPNV	90.75	51	eP	01	49.33	-0.1	GRF	143.87	334	iPKPd	08	19.70	-1.8
	1.0s	41.67nm			5.4mb			0.8s	14.20nm				5.4mb			e	08	30.30		
CD2	78.71	308	iPd	00	49.60	0.6	CROR	90.82	42	P	01	49.47	0.0	OHR	143.97	315	iPKP	08	19.30	-2.7X
HHC	78.89	320	Pd	00	50.00	0.2	VIPM	90.85	43	P	01	49.38	-0.3	PTJ	144.26	325	ePKP	08	20.20	-2.2
	1.4s	120.00nm			5.7mb		GMW	90.86	39	ePc	01	49.74	0.3	ZAG	144.29	325	ePKP	08	20.50	-1.8
BTO	79.69	319	P	00	55.00	0.8	ASR	90.96	41	P	01	50.25	0.2	BNS	144.41	338	iPKPc	08	21.40	-1.0
LZH	81.27	313	iPd	01	04.20	1.5	LOH	91.09	40	eP	01	50.23	-0.4			i	08	32.80		
	1.8s	220.00nm			5.9mb		VGB	91.19	42	(P)	01	53.36	2.3	TNS	144.56	337	iPKPd	08	21.80	-1.0
Z	18s	0.50um			4.9MsZ					ipP	02	01.30	35km	BHG	144.59	330	iPKPd	08	21.80	-1.0
N	18s	0.57um								ipP	02	03.32	31km	KBA	144.82	329	iPKPd	08	22.10	-1.4
		pP	01	15.00	35km					epP	02	03.32	31km		1.1s	124.00nm				
		eS	11	15.00			FMW	91.26	40	P	01	51.06	-0.5			i	08	33.50		
CIT	84.73	330	eP	01	21.00	1.1	MCW	91.36	38	ePc	01	52.02	0.3	VBY	144.89	325	iPKPc	08	22.60	-0.8
SVW	85.07	17	eP	01	21.59	0.1				ipP	02	02.73	33km	VBY	144.89	325	iPKP	08	23.90	0.5
	1.5s	182.03nm			6.0mb		RMW	91.42	40	eP	01	51.62	-0.5			i	08	33.80		
		epP	01	32.52	35km					ipP	02	02.85	36km	LJU	144.92	327	ePKP	08	22.80	-0.6
GTA	85.69	314	eP	01	25.60	0.5	JCW	91.67	39	P	01	53.35	0.2			epPKP	08	33.50		
	1.5s	60.00nm			5.6mb		JBO	91.77	42	P	01	53.92	0.2	ENN	145.00	339	iPKPc	08	24.30	0.9
YAK	86.05	343	iPc	01	26.40	0.2	EBG	91.93	41	P	01	54.69	0.3		0.8s	32.70nm				
	1.5s	193.00nm			6.1mb		WTV	92.65	40	P	01	57.37	-0.4			i	08	53.50		
SLKM	86.20	20	ePc	01	26.40	-0.6	ARUT	93.14	51	eP	02	01.10	0.7	FUR	145.00	332	iPKPd	08	23.70	0.2
TTA	86.47	16	eP	01	28.59	0.2	MSU	94.33	51	eP	02	06.14	0.2			i	08	34.60		
	1.3s	27.85nm			5.3mb					ipP	02	16.35	32km	MEM	145.11	339	iPKPc	08	23.57	0.0
		epP	01	39.61	35km		GBA	94.34	283	P	02	08.00	2.0			id	08	34.48		
KMPM	86.69	45	eP	01	29.68	-0.3	DUG	94.46	49	eP	02	06.88	0.5	VOY	145.26	327	iPKPd	08	23.70	-0.4
		epP	01	41.59	39km			0.8s	4.92nm				5.0mb			ipPKP	08	34.50		
COE	86.94	49	(P)	01	31.13	0.0				epP	02	16.54	30km			e	09	04.00		
		epP	01	42.28	36km		HYB	94.51	287	eP	02	06.80	-0.1	DLF	145.37	354	iPKPd	08	24.00	0.1
ARN	87.08	49	eP	01	31.64	-0.2				e	02	17.70	34km		1.3s	205.00nm				
		epP	01	42.58	35km		NEW	94.62	40	eP	02	05.70	-1.0	DCN	145.40	354	iPKPd	08	23.20	-0.8
ILT	87.16	5	eP	01	33.00	1.6		1.2s	15.15nm				5.3mb			1.0s	209.00nm			
	1.8s	70.00nm			5.6mb					epP	02	16.67	35km	RIY	145.46	326	iPKPd	08	24.40	0.1
BCH	87.20	51	eP	01	32.14	-0.4	HVU	95.05	48	eP	02	08.99	-0.1	WATA	145.48	331	i(PKP)	08	24.10	-0.4
ABL	87.70	52	eP	01	34.38	-0.7				epP	02	19.02	31km			i	08	35.90		
LGPM	87.79	45	eP	01	35.48	0.2	DAU	95.65	49	(P)	02	16.04	4.0X	WTTA	145.50	330	iPKPc	08	23.70	-0.9
		epP	01	46.32	34km					epP	02	22.85	21kmX		1.3s	120.00nm				
WDC	87.83	46	eP	01	33.91	-1.4	PTI	95.72	47	(P)	02	16.15	4.0X			i	08	36.10		
	1.3s	71.69nm			5.8mb		MCMT	96.07	45	eP	02	14.30	0.5	MOTA	145.69	331	i(PKP)	08	25.00	0.1
		ipP	01	46.77	43km		PV10	96.60	52	(P)	02	17.81	1.5		0.8s	142.00nm				
LSA	87.93	302	P	01	36.10	-0.6	INK	96.77	19	eP	02	27.00	10.9X	SQTA	145.73	331	iPKPc	08	24.40	-0.5
ORV	88.08	47	eP	01	35.98	-0.6		1.3s	10.00nm						0.9s	146.00nm				
		epP	01	47.09	35km		PV08	96.96	52	(P)	02	20.49	2.4			i	08	36.40		
CMB	88.20	49	eP	01	36.74	-0.5	ALQ	97.50	56	eP	02	20.00	-0.4	SNF	145.75	341	iPKPc	08	25.72	1.1
	1.1s	49.80nm			5.7mb			0.7s	2.73nm				4.9mb			id	08	36.69		
LMEM	88.47	46	(P)	01	39.65	1.0				ipP	02	30.09	31km	HOFF	145.78	336	PKP	08	26.61	1.9
		epP	01	49.63	31km		BW06	97.64	48	(P)	02	21.07	0.2	LANF	145.81	336	PKP	08	26.06	1.2
SSK	88.58	53	eP	01	38.66	-0.7		1.5s	9.35nm				5.1mb	WLF	145.86	338	iPKPd	08	26.35	1.5
		epP	01	50.04	36km		CNCB	114.94	120	ePKP	07	18.00	-10.8X		1.7s	173.50nm				
ISA	88.59	52	eP	01	38.68	-0.5				e	08	34.00				id	08	37.64		
	1.0s	28.28nm			5.5mb		LPB	114.99	119	ePKP	07	21.00	-7.7X	HCG	145.94	350	ePKPd	08	24.90	-0.1
		ipP	01	50.10	37km		LPAP	115.08	119	PKP	07	27.90	-1.3	DOU	146.01	340	PKPd	08	26.30	1.2
LBFM	88.62	45	ePc	01	39.69	0.3	BUL	124.02	228	iPKPc	07	41.30	-4.2X			e	08	37.90		
		epP	01	49.73	31km					i	07	52.40		HAE	146.03	349	ePKPd	08	25.70	0.6
PEC	88.86	54	eP	01	40.07	-0.4	KRI	125.41	232	iPKP	08	03.30	15.0X	BCAO	146.43	249	iPKPd	08	27.70	0.8
	0.8s	28.25nm			5.6mb					i	08	14.00			1.0s	113.00nm				
		epP	01	50.82	34km		OBH	128.29	326	ePKP	07	53.00	0.5			ic	08	39.00		
PLM	88.87	54	eP	01	40.17	-0.6		1.2s	26.00nm					WLS	146.45	336	PKP	08	27.60	1.6
		epP	01	51.90	38km		KAF	129.13	338	ePKP	07	52.80	-1.1	HGH	146.46	349	ePKP	08	26.90	1.1
MMPM	88.99	50	eP	01	41.43	0.0	LMN	129.45	46	ePKP	07	54.00	-1.0	CDF	146.48	336	ePKP	08	27.20	1.1
		ipP	01	51.82	32km					pP	08	05.00			0.7s	52.70nm				
ZAK	89.06	325	iPd	01	41.50	0.6	NUR	130.78	337	ePKP	07	56.60	-0.4	FEL	146.62	335	PKP	08	27.82	1.5
	1.3s	81.00nm			5.9mb		NB2	134.68	344	PKP	08	16.00	11.5X	ECH	146.68	336	PKP	08	28.03	1.7
		eSS	14	12.00				1.0s	4.80nm					MOF	146.99	335	PKP	08	28.80	1.9
MEMM	89.08	50	(P)	01	43.29	2.0	SPC	139.94	326	ePKP	08	05.70	-9.2X	VITF	147.13	337	PKP	08	29.46	2.5
		epP	01	52.79	30km					i	08	14.10		BSF	147.14	336	ePKP	08	28.80	1.6
MTUM	89.22	50	eP	01	42.64	0.3									0.8s	32.10nm				
		ipP	01	52.76	32km		SOB1	140.47	133	e(PKP)	08	18.00	1.3	BBS	147.15	335	PKP	08	29.25	2.1
MRCM	89.39	50	ePc	01	47.73	4.6X	KSP	140.80	331	ePKP	08	10.00	-6.2X	HAU	147.17	336	ePKP	08	29.10	2.0
		i	01	53.82	19kmX					e	08	18.50			0.8s	39.10nm				
IMA	89.63	15	(P)	01	42.74	-0.8	BRG	141.83	333	iPKP	08	15.20	-2.8X	LOMF	147.52	335	PKP	08	30.67	2.9X
	1.5s	17.95nm			5.1mb					i	08	27.60		FLN	148.67	345	ePKP	08	32.70	3.3X
BONR	89.66	50	eP	01	44.13	-0.4	CLL	141.90	334	ePKP	08	17.00	-1.1		0.8s	29.55nm				
		epP	01	54.84																

1.0s	23.40nm					S.D. = 0.4	on	4	of	4	obs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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HAU	0.7s	11.45nm			
	147.06	337 iPKPc	29	01.70	2.9X
	0.7s	15.30nm			
FIR	148.08	327 ePKP	29	05.00	4.5X
FLN	148.55	345 iPKPc	29	05.40	4.3X
	0.6s	6.75nm			
LOR	148.59	338 iPKPc	29	05.80	4.5X
	0.7s	15.65nm			
LDF	148.61	344 iPKPc	29	05.50	4.3X
LBF	148.79	338 iPKPc	29	06.40	4.8X
	0.8s	13.85nm			
SSF	148.89	339 iPKPc	29	06.70	5.0X
	0.8s	24.30nm			
LPL	148.93	333 ePKP	29	07.30	5.1X
	0.8s	10.90nm			
LPG	148.94	333 ePKP	29	07.40	5.1X
	0.8s	8.85nm			
GRR	148.99	345 ePKP	29	06.60	4.8X
	0.8s	16.40nm			
SMF	149.13	338 iPKPc	29	07.00	4.9X
AVF	149.18	339 ePKP	29	07.10	4.9X
LPF	149.37	345 ePKP	29	07.70	5.3X
	0.7s	27.00nm			
BGF	149.55	339 iPKPc	29	08.20	5.4X
	0.8s	11.55nm			
SBF	149.91	331 iPKPc	29	08.80	5.3X
	0.9s	20.80nm			
MAF	149.94	339 ePKP	29	09.30	5.9X
	0.9s	10.00nm			
TCF	150.00	339 iPKPc	29	09.40	5.9X
	0.7s	9.70nm			
PGF	150.12	327 iPKPc	29	09.70	5.8X
	0.8s	47.70nm			
LSF	150.26	340 ePKP	29	09.70	5.9X
	0.7s	13.45nm			
MFF	150.45	343 ePKP	29	10.20	6.1X
FRF	150.51	331 iPKPc	29	10.30	6.0X
	0.9s	17.05nm			
LRG	150.72	331 iPKPc	29	11.10	6.5X
	0.7s	12.80nm			
LMR	150.75	331 iPKPc	29	10.90	6.3X
	0.8s	14.65nm			
RJF	151.10	339 ePKP	29	12.00	6.9X
CAF	151.24	338 ePKP	29	12.30	6.9X
LFF	151.68	340 ePKP	29	13.20	7.2X
	0.9s	20.00nm			
LPO	151.76	339 ePKP	29	13.50	7.4X
S.D. = 1.0 on 89 of 132 obs.					

%	SEP 29, 1993	10h	18m	06.03±	1.02s
	39.083 N	± 7.6km		27.619 E	±12.5km
	DEPTH =	10.0km	(geophysicist)		
TURKEY					(366)
ML 2.7 (ISK).					

Izm	0.74	202 ePg	18	20.50	-0.1
		eSg	18	34.00	
EZN	1.25	307 ePn	18	29.30	0.1
EDC	1.28	8 ePn	18	29.60	-0.1
BNT	1.29	10 ePn	18	29.50	-0.5
KCT	1.30	26 iPn	18	30.50	0.5
S.D. = 0.5 on 5 of 5 obs.					

?	SEP 29, 1993	10h	23m	04.84±	0.71s
	48.396 S	±17.0km		108.072 E	±20.8km
	DEPTH =	10.0km	(geophysicist)		
	4.9mb	(5 obs.)			
SOUTHEAST INDIAN RIDGE					(435)

CSY	17.99	177 eP	27	15.50	-0.7
	0.7s	3.20nm			3.6mb X
		iPp	27	26.30	
STK	30.17	69 iPc	29	22.40	5.2X
	1.0s	4.10nm			4.2mb</

29d 10h

LGPM 143.60 82 ePKP 50 00.00 42 41.96 0.9
 WDC 143.63 83 ePKP 42 44.65 3.7X
 ORV 143.80 85 ePKP 42 40.63 -0.7
 LBFM 144.43 82 ePKP 42 43.30 0.7
 GSC 144.61 95 ePKP 42 45.28 2.3
 KVN 145.81 88 ePKP 42 54.30 9.3X
 MCW 146.81 70 ePKP 42 50.85 4.7X
 ARUT 148.24 94 (PKP) 42 54.40 5.5X
 LTX 149.13 116 ePKP 42 55.97 5.5X
 MSU 149.47 94 (PKP) 42 55.31 4.4X
 DUG 149.91 90 ePKP 42 55.22 3.8X
 HVU 150.68 88 ePKP 43 04.46 11.9X
 SRU 150.88 94 ePKP 42 58.66 5.7X
 DAU 151.05 91 ePKP 42 58.22 4.9X
 ALQ 151.18 105 ePKP 42 59.65 6.1X
 PV10 151.48 97 ePKP 42 59.94 6.0X
 PV09 151.48 96 ePKP 43 00.81 6.8X
 PV08 151.85 97 ePKP 43 03.22 8.6X
 MCMT 151.90 82 ePKP 43 05.70 11.3X
 S.D. = 1.3 on 9 of 29 obs.

& SEP 29, 1993 10h 59m 29.27s
 34.309 N 117.694 W
 DEPTH = 4.8km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 2.5 (PAS), 2.8 (GS).

SSK 0.10 180 iPd 59 31.40 -0.1
 PEC 0.61 133 ePd 59 40.26 -1.2
 PLM 1.18 144 ePd 59 50.28 -1.6
 GSC 1.23 36 ePd 59 51.93 -0.8
 ABL 1.37 294 eP 59 54.28 -1.0
 ISA 1.50 335 ePd 59 55.84 -1.0
 BCH 2.15 295 eP 00 05.62 -0.8
 GLA 2.70 117 (P) 00 11.98 -2.2
 TPNV 2.88 24 eP 00 15.98 -1.0
 MTUM 3.12 347 (Pg) 00 26.42 6.2
 MEMM 3.50 344 (Pg) 00 30.21 4.8
 BONR 3.67 352 (Pn) 00 27.72 -0.5
 TNP 3.78 6 (Pg) 00 38.93 9.2
 CMB 4.31 330 (P) 00 35.11 -1.9
 14 obs. associated

& SEP 29, 1993 10h 59m 50.31s
 34.312 N 117.690 W
 DEPTH = 3.8km
 SOUTHERN CALIFORNIA (43)
 <PAS-P>. ML 3.3 (PAS), 3.2 (GS).
 Felt.

SSK 0.10 181 eP 59 52.31 -0.2
 PEC 0.61 134 eP 00 01.42 -1.0
 PLM 1.18 144 (P) 00 10.70 -2.3
 GSC 1.23 36 (P) 00 10.67 -3.1
 ABL 1.37 293 eP 00 13.61 -2.8
 ISA 1.49 335 eP 00 15.86 -2.2
 BCH 2.16 295 eP 00 25.81 -1.8
 PHAM 2.69 305 (P) 00 32.32 -2.9
 GLA 2.70 117 (P) 00 32.96 -2.4
 TPNV 2.88 24 eP 00 34.84 -3.2
 MTUM 3.12 347 (Pn) 00 39.12 -2.2
 MRCM 3.42 349 (Pn) 00 42.45 -3.3
 BONR 3.67 352 ePg 00 58.41 9.1
 TNP 3.78 6 (P) 00 46.66 -4.2
 CMB 4.31 330 (P) 00 54.97 -3.2
 ARUT 4.89 44 (P) 01 03.53 -3.0
 DUG 7.04 32 (Pn) 01 34.97 -1.9
 17 obs. associated

SEP 29, 1993 11h 01m 14.87± 0.34s
 42.366 N ± 2.6km 122.130 W ± 6.0km
 DEPTH = 5.0km (geophysicist)
 OREGON (32)
 ML 2.8 (GS). MD 2.7 (SEA).

BBOR 0.66 322 Pd 01 26.96 -1.1
 LHEM 0.74 185 P 01 29.95 0.3
 LGMM 0.80 164 P 01 30.84 -0.1
 LASM 0.87 152 P 01 31.42 -0.8
 LMPM 0.88 182 P 01 32.20 -0.1
 LBFM 1.03 170 ePc 01 34.77 -0.2
 DBO 1.11 313 P 01 34.61 -1.7
 LBKM 1.34 198 P 01 39.08 -1.1
 HSO 1.36 329 Pc 01 38.87 -1.6
 KSXM 1.41 248 P 01 40.91 -0.3
 KOMM 1.47 223 P 01 42.14 0.0
 HBO 1.48 325 P 01 41.35 -1.0
 NCOR 1.52 288 P 01 41.85 -1.1
 LGPM 1.54 200 eP 01 42.14 -1.1
 TCO 1.78 12 P 01 46.20 -0.5
 WDC 1.81 190 eP 01 47.41 0.5
 LMEM 1.87 167 eP 01 48.95 0.9
 RNO 1.94 323 P 01 49.12 0.2
 FBO 1.97 351 P 01 49.03 -0.3
 FHC 2.09 222 eP 01 52.49 1.4
 BPO 2.31 8 P 01 55.24 0.9
 MPOR 2.38 335 P 01 55.74 0.5
 VIPM 2.41 27 P 01 54.39 -1.3
 KMPM 2.46 218 eP 01 57.12 0.8
 SSOR 2.50 355 P 01 56.74 -0.2
 VBEM 2.72 8 P 02 03.26 3.1X
 CROR 2.74 17 P 02 04.05 3.6X
 GT2 2.79 358 P 02 02.88 1.8
 ORV 2.85 170 (P) 02 02.17 0.3
 TKO 3.15 343 P 02 07.78 1.6
 VGB 3.30 17 (P) 02 08.64 0.4
 KMOR 3.41 344 P 02 12.29 2.4
 MTMW 3.66 359 P 02 16.70 3.3X
 BMW 4.18 350 eP 02 21.44 0.7
 S.D. = 1.1 on 31 of 34 obs.

SEP 29, 1993 11h 16m 03.54± 0.11s
 0.494 N ± 2.7km 121.528 E ± 3.4km
 DEPTH = 96.6km (geophysicist)
 6.1mb (106 obs.)
 MINAHASSA PENINSULA, SULAWESI (265)
 Mw 6.4 (GS), 6.4 (HRV).
 Mo=6.3*10**18 Nm (PPT). Felt
 (III) at Manado. Depth from
 broadband displacement
 seismograms.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=250 Dip=79 Slip= 90
 NP2: 70 11 90
 Principal Axes:
 T Plg=56 Azm=160
 P 34 340
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is not determined.
 RADIATED ENERGY
 No. of sta: 4 Focal mech. F
 Energy 3.2±1.4*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 74 No. of sta: 20
 Moment Tensor; Scale 10**18 Nm
 Mrr= 2.33 Mtt=-2.52
 Mff= 0.19 Mrt=-3.08
 Mrf=-0.98 Mtf= 0.04
 Principal axes:
 T Val= 4.04 Plg=62 Azm=151
 N 0.01 9 259
 P -4.05 26 354
 Best Double Couple:Mo=4.0*10**18

NP1:Strike=106 Dip=20 Slip= 118
 NP2: 256 72 80
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 51S, **C M.W.: 38S, 65C
 Centroid Location:
 Origin Time 11:16: 9.3 0.1
 Lat 0.62N 0.01 Lon 121.70E 0.01
 Dep 88.9 0.8 Half-duration 3.8
 Moment Tensor; Scale 10**18 Nm
 Mrr=-0.10 0.03 Mtt=-0.28 0.02
 Mff= 0.38 0.03 Mrt=-3.67 0.03
 Mrf=-1.12 0.02 Mtf= 0.80 0.02
 Principal Axes:
 T Val= 3.99 Plg=43 Azm=151
 N -0.12 12 253
 P -3.87 45 356
 Best Double Couple:Mo=3.9*10**18
 NP1:Strike=168 Dip=13 Slip=-175
 NP2: 73 89 -78

MNI 3.44 74 ePd 16 56.00 -0.1
 DAV 7.69 32 eP- 17 56.00 1.3
 1.1s 951.90nm 6.3mb
 CGP 8.51 22 iPd 18 07.50 1.6
 BIP 9.01 31 ePc 18 14.50 1.9
 MAP 10.06 14 iPc 18 31.00 4.1X
 PLP 11.14 18 ePd 18 42.80 1.5
 PGP 12.94 357 iPc 19 09.50 4.5X
 GQP 13.36 4 iPc 19 14.00 3.5X
 QVP 14.05 358 ePc 19 24.00 4.5X
 LEM 15.67 242 ePc 19 41.80 1.5
 1.5s 1694.44nm 6.0mb
 Z 20s 7.09um 3.7msz
 BAG 15.84 357 ePd- 19 43.00 0.4
 1.6s 933.33nm 5.8mb
 MTN 16.32 145 iPd 19 49.00 0.7
 KNA 17.65 156 iPc 20 06.60 1.8
 PIP 17.74 357 eP 20 08.50 2.6X
 MBL 21.58 184 iPc 20 47.20 0.3
 QIZ 21.70 329 P 20 48.40 0.4
 1.2s 840.00nm 6.0mb
 N 12s 8.92um
 E 11s 5.38um
 SNG 21.88 288 iPd 20 52.00 2.1
 1.0s 696.00nm 6.0mb
 WWKK 22.46 101 eP 20 57.00 1.4
 HKC 22.83 342 iP 21 00.50 1.4
 MCO 22.86 341 eP 21 02.40 3.0X
 NANU 23.65 194 iPc 21 07.70 0.6
 GZH 23.82 341 iPd 21 10.40 1.7
 1.0s 820.00nm 6.1mb
 Z 16s 4.16um 5.0mszX
 N 11s 22.60um
 E 11s 10.50um
 WB5 23.84 149 eP 21 08.50 -0.5
 WR2 23.90 149 iPc 21 08.90 -0.6
 0.9s 639.30nm 6.0mb
 PCT 24.38 306 iPd 21 16.30 2.2
 1.0s 34.90nm 4.7mb X
 QZH 24.47 354 iPd 21 16.00 1.1
 1.5s 3700.00nm 6.6mb
 MDG 24.88 104 eP 21 20.10 1.2
 LOE 25.73 312 iPd 21 27.10 0.3
 NST 25.95 307 iPd 21 30.00 1.2
 GUMO 26.52 60 eP 21 31.72 -2.3
 2.9s 1798.83nm 6.1mb
 GUA 26.54 60 eP 21 28.50 -5.7X

	Z	40s		41.40um			6.0MszX
	E	18s		11.70um			
				pP	24	02.00	98kmX
				PP	25	14.00	
				S	29	40.00	
				ScS	33	33.00	
BTO		41.27	347	iPc	23	41.00	0.1
		1.0s		430.00nm			6.2mb
	N	13s		0.72um			
	E	12s		0.79um			
				pP	24	04.00	98kmX
				sP	24	17.00	
				PP	25	20.50	
				S	29	48.50	
				sS	30	28.00	
ARMA		42.01	140	eP	23	48.30	1.1
BWA		42.91	147	eP	23	56.60	2.3
				iPp	23	59.40	9kmX
				i	24	03.20	
CN2		43.26		4 Pc	23	56.00	-0.9
		1.0s		70.00nm			5.4mb
	Z	42s		33.90um			5.9MszX
				epP	24	19.00	97kmX
				ScP	29	24.00	
				ScS	33	44.00	
VLA		43.44	11	iPc	23	59.00	0.6
		2.5s		1304.00nm			6.3mb
				iPp	24	22.00	97kmX
				iS	24	33.00	
				i	25	43.00	
				iS	30	19.00	
				iSS	33	28.00	
				i	33	43.00	
				iSSS	34	25.00	
GTA		43.52	335	iPd	24	00.40	1.1
		1.4s		540.00nm			6.2mb
	Z	20s		23.30um			6.1Msz
	E	13s		4.53um			
				pP	24	24.00	100kmX
				sP	24	34.00	
				PP	25	44.00	
				PcP	25	46.50	
				ScP	29	26.00	
				PcS	29	37.50	
				S	30	20.00	
				sS	31	00.00	
				SS	33	27.00	
				ScS	33	47.50	
GUN		43.69	312	P	24	02.40	1.3
TOO		43.87	152	eP	24	03.20	1.1
		0.5s		184.00nm			6.2mb
CAN		43.90	147	iPc	24	03.40	1.1
				iPp	24	07.50	14kmX
				e(PP)	25	46.10	
RIV		44.04	144	iPc	24	05.90	2.5
				eS	30	36.00	
KKN		44.07	311	P	24	05.00	0.9
CNB		44.09	147	iPc	24	05.10	1.2
		0.4s		210.00nm			6.3mb
DMN		44.11	311	P	24	05.20	0.7
MDJ		44.51	8	iPd	24	06.80	-0.3
		1.5s		840.00nm			6.3mb
	Z	27s		19.10um			5.9MszX
				pP	24	30.00	98kmX
				PP	25	54.00	
				S	30	36.00	
				sS	31	14.00	
				ScS	33	52.00	
HYB		45.49	294	ePd	24	15.60	0.4
		1.2s		697.00nm			6.4mb
				e	24	41.00	109kmX
				e	24	51.00	
				eS	30	52.00	
GBA		45.55	289	P	24	16.00	0.3
SAP		45.94	20	eP	24	18.00	-0.4
				eS	30	54.00	
DZM		49.18	120	iPc	24	45.00	0.8
PVC		49.46	114	iPc	24		

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POO	50.10	294	iPd	24	51.00	-0.1	BSZ	63.01	136	P	26	23.30	0.8	Z	14s	2.60um	5.7MszX		
	1.0s	200.00nm			6.1mb		CNZ	63.19	135	P	26	24.10	0.3	N	14s	3.00um			
NDI	50.74	308	iPd	24	54.20	-1.6	TCW	63.19	138	P	26	22.70	-1.0	E	14s	2.50um			
	1.0s	550.00nm			6.5mb		NGZ	63.21	135	P	26	24.00	-0.1			e	28 20.00 100kmX		
		eS	32	06.20			MQZ	63.30	141	P	26	24.30	-0.1			e	30 50.00		
CIT	51.75	354	eP	25	03.50	0.3	CCW	63.39	138	P	26	25.00	0.0			iS	37 39.00		
Z	18s	8.10um			5.8Msz		KIW	63.46	137	P	26	24.50	-1.0			e	37 56.00		
N	18s	4.03um					MRW	63.49	138	P	26	23.70	-1.9	DHJN	78.45	288	iPd	27 56.30 0.0	
E	18s	10.10um					SNZO	63.52	138	P	26	25.00	-0.8	ILT	78.56	19	iPd	27 55.00 -0.5	
		eS	32	20.00					S	34	48.00				i	28 05.00 32kmX			
ZAK	52.08	345	iPd	25	05.40	-0.1	CAW	63.68	137	P	26	25.80	-1.1			i	28 37.00		
	1.5s	388.00nm			6.2mb		MNG	63.75	137	P	26	26.40	-1.0			iS	37 40.00		
Z	20s	6.10um			5.6Msz		URZ	63.92	134	P	26	27.10	-1.4			i	38 04.00		
N	14s	2.85um					WAHZ	63.96	135	P	26	28.40	-0.5	MAW	78.96	199	P	27 58.90 1.2	
E	12s	3.36um					MTW	63.99	137	P	26	27.80	-1.2	QASM	79.00	296	iPd	27 58.00 -0.9	
		e	25	29.00	97kmX		BLW	64.07	137	P	26	28.40	-1.1	AFIF	79.16	294	ePd	28 00.60 0.8	
		e	27	12.00			PAHZ	64.12	134	P	26	29.50	-0.4	ABHA	79.19	288	ePd	28 01.30 1.1	
		eS	32	22.00			PGZ	64.29	136	P	26	28.90	-2.0	GRO	79.38	314	eP	28 00.00 -0.5	
WMQ	52.62	330	iPd	25	10.50	0.7	HBZ	64.53	133	eP	26	31.20	-1.3		2.0s	720.00nm	6.2mb		
Z	36s	15.80um			5.8MszX		PUZ	64.68	133	P	26	32.30	-1.2			ipP	28 28.00 109kmX		
N	12s	2.31um					NOZ	64.73	134	P	26	33.50	-0.2			i	28 43.00		
		PP	27	09.40			PAF	66.28	214	iPc	26	48.00	4.5X			i	31 04.00		
		ScP	30	05.00					eS	35	34.00				iPPP	32 46.00			
		S	32	32.20					eSS	40	06.00				iS	37 54.00			
		ScS	34	46.20			CSY	67.10	185	iPd	26	47.50	-0.9	MTA	79.77	312	iPd	28 03.20 0.6	
		SS	36	04.00				3.5s	11.10nm				4.2mb X			iS	37 58.00		
IRK	53.58	347	ePd	25	16.00	-0.6	MAIO	67.43	309	iPd-	26	50.80	-0.4	ERE	79.78	311	iP-	28 03.00 0.2	
Z	2.0s	522.00nm			6.2mb				eP	27	10.30	89kmX			i	31 00.00			
N	15s	4.83um			5.7MszX				ePP	29	03.60				iS	37 56.00			
E	13s	2.16um					DRV	68.29	172	iP	26	56.20	0.4			PS	38 42.00		
		1.99um							S	35	58.00				iSS	43 11.00			
		e	25	53.00	161kmX		ASH	68.78	311	Pd-	27	00.00	0.6	UQSK	80.03	296	ePd	28 05.00 0.5	
		e	27	26.00					PP	30	02.00		HON	80.94	69	P	28 20.00 10.9X		
		eS	32	38.00					SS	40	50.00		Z	20s	1.96um	5.4Msz			
		e	33	27.00									DHH	81.12	69	eP	28 11.56 1.5		
		e	34	48.00										e	28 39.45 108kmX				
		e	38	18.00									PYA	81.37	314	iPd	28 10.00 -1.0		
KSH	56.80	319	iPd	25	41.90	1.6								1.5s	390.00nm	6.0mb			
Z	1.2s	1060.00nm			6.8mb				e	27	20.00				ipP	28 36.00 99kmX			
N	16s	4.18um			5.6MszX				ipP	27	26.00	102kmX			i	31 18.00			
	13s	5.02um							e	29	36.00				iS	38 08.00			
		pP	26	06.00	98kmX				eS	35	52.00				e	28 14.40 1.3			
		sP	26	17.00					e	36	10.00				iPc	28 20.23 1.8			
		PcP	26	34.00					sS	36	32.00				eP	28 16.88 -1.0			
		PP	27	52.00					i	36	44.00				SDN	82.76	34	eP	28 16.88 -1.0
		ScP	30	24.00			TIK	71.18	2	iPd-	27	12.00	-1.3		0.9s	223.21nm	6.1mb		
		ePcS	30	34.00				1.6s	220.00nm				5.8mb	Z	20s	1.59um	5.4Msz		
		S	33	30.00			Z	16s	2.50um				5.6MszX		e	28 43.97 104kmX			
		sS	34	13.00					ipP	27	38.00	102kmX			eP	28 21.00 1.8			
		ScS	35	18.00					iS	27	50.00				eP	28 20.50 1.4			
		SS	37	22.00					i	29	48.00				e	28 45.39 94kmX			
TLG	57.99	323	eP	25	50.00	1.5			eS	36	18.00		SOC	83.72	314	iPd-	28 22.00 -1.1		
	1.0s	480.00nm			6.5mb				iSS	37	02.00				e	38 31.00			
		i	26	16.00	106kmX		SHI	71.57	301	iPd	27	15.00	-1.7	NAI	84.74	269	iPKPc	28 29.50 0.4	
		i	28	00.00			DHR	73.13	297	ePd	27	26.40	0.7	GAZ	85.17	307	iP	28 30.90 0.4	
		ePPP	29	17.00					iS	36	45.00		ANN	85.55	315	eP	28 30.00 -2.2		
		eS	33	31.00			SVE	74.06	330	iPd	27	29.80	-0.7		1.9s	780.00nm	6.4mb		
SVA	58.92	111	eP	25	56.40	1.2							6.5mb		epP	28 57.00 102kmX			
FRU	59.45	321	iPd	25	58.80	0.2			i	27	45.00	54kmX			e	31 56.00			
	2.5s	1920.00nm			6.8mb				e	27	56.00				i	38 43.00			
		ipP	26	26.00	111kmX				ePPP	32	08.00				iS	38 53.00			
		iS	34	04.00			ARU	74.92	329	iPd-	27	34.60	-0.9	MDRJ	86.02	299	P	28 36.00 1.0	
OUZ	60.11	132	eP	26	04.00	0.9							6.4mb	SVW	86.11	29	eP	28 34.35 -0.4	
PET	60.76	25	iPd-	26	07.00	-0.2							5.5MsZ		0.7s	80.87nm	5.9mb		
	1.2s	500.00nm			6.5mb										epP	29 03.05 110kmX			
		epP	26	34.00	110kmX					iS	34	17.00		TTA	86.12	27	eP	28 34.30 -0.5	
		iS	34	17.00						eSS	38	18.00			0.8s	26.38nm	5.3mb		
		eSS	38	18.00											epP	29 02.63 108kmX			
LMZ	61.21	142	eP	26	09.00	-1.4			i	27	48.50	48kmX	MOS	86.15	326	iPd	28 35.00 0.1		
		e	28	22.20	719kmX				e	28	00.00			2.0s	120.00nm	5.6mb			
YAK	61.68	4	iPd-	26	11.80	-1.5			e	28	13.00			Z	18s	3.60um	5.8Msz		
	1.2s	702.00nm			6.6mb				e	30	20.00		N	17s	2.20um				
		iS	34	22.00					ePPP	32	08.00		E	17s	2.70um				
		ePS	34	57.00					eS	36	55.00				e	32 00.00			
		i	35	49.00			BAK	75.74	312	iPd	27	43.00	2.5X			e	33 56.00		
WVZ	61.78	141	P	26	12.70	-1.6									e	38 46.00			
QRZ	61.84	138	P	26	14.90	0.1			iS	37	16.00				eS	38 51.00			
MHZ	61.94	144	eP	26	15.10	-0.4	RYD	76.10	295	iPd	27	42.00	-0.9			ePS	40 01.00		
BWZ	62.01	143	eP	26	13.30	-2.5			iS	37	18.00				ePPS	40 44.00			
KUZ	62.30	133	P	26	18.60	0.7	CRZF	76.46	222	iPc	27	48.00	3.6X	JRDJ	86.19	301	P	28 36.80 0.9	
THZ	62.53	139	P	26	18.40	-1.0			iS	37	25.00			KVT	86.26	311	iP	28 35.00 -0.9	
LTZ	62.61	140	P	26	18.10	-1.8	KER	76.88	305	ePd	27	52.00	4.8X	BHL	86.30	304	Pd	28 35.00 -1.3	
TUZ	62.63	144	eP	26	18.80	-1.1	MJMA	77.41	296	ePd	27	52.00	1.9			PP	32 00.00		
WLZ	62.67	134	P	26	20.50	0.2	KMSA	77.67	291	ePd	27	50.00	-1.7			S			

SRO	98.50	318	LR	07	53.00	
			ePDIF	29	34.30	2.0
			iPP	33	36.00	
UZD	98.53	317	e(P)	29	27.00	-5.5X
BSD	99.05	326	iP	29	34.30	-0.4
	1.1s		80.00nm			6.2mb
KSP	99.21	322	eP	29	34.50	-1.0
	1.3s		55.00nm			6.0mb
			i	30	12.00	146kmX
			e	33	41.80	
ZST	99.23	319	ePDIF	29	34.20	-1.4
			ePP	30	10.50	141kmX
			ePP	33	39.30	
NRA0	99.24	332	eP	29	33.60	-1.8
NRE0	99.23	332	iPc	29	37.40	2.0
			PP	33	44.80	
			PPP	35	52.40	
			SKS	40	05.00	
			PS	42	26.90	
			SS	47	56.40	
NB2	99.29	332	P	29	33.60	-2.2
	1.3s		50.10nm			6.0mb
NAO	99.54	332	P	29	34.50	-2.3
DAG	99.72	351	eP	29	36.80	-0.6
	0.9s		46.22nm			6.1mb
MOL	100.41	335	ePdiff	29	39.12	-1.5
PRU	100.49	321	Pdiff	29	40.90	-0.4
	2.7s		280.00nm			6.4mb
			sP	30	17.70	
			PP	33	50.90	
			i	33	57.40	
			i	34	26.20	
			e	36	25.00	
			SKS	40	08.00	
			SKKS	40	43.30	
			SDIF	40	55.00	
BRG	100.65	322	iPdiff	29	42.10	0.1
	1.5s		50.00nm			5.9mb
			iPP	30	13.00	
			iSKS	40	11.00	
CLL	101.11	323	iPdiff	29	45.30	1.2
	1.9s		58.00nm			5.9mb
Z	18s		2.00um			5.7MsZ
			(sP)	30	20.00	
			eSKS	40	10.00	
KMR	101.20	319	iPdiff	29	46.90	2.3X
			i	33	39.30	
GEC2	101.29	320	e(Pdiff	29	44.10	-1.0
	0.8s		3.10nm			5.0mb X
KHC	101.30	320	ePdiff	29	44.00	-1.0
	1.4s		11.00nm			5.3mb
Z	22s		3.60um			5.8MsZ
N	20s		1.60um			
E	20s		2.00um			
			e	30	22.00	
			e	31	25.50	
			e	33	12.00	
			e	33	41.40	
			ePP	33	46.00	
			e	33	59.00	
			SKS	40	14.00	
LJU	101.39	317	(Pdiff	29	44.00	-1.4
			i	30	06.00	
			e	33	41.00	
			ePP	33	50.00	
MUD	101.77	328	iPdiff	29	48.70	1.9
	1.0s		44.00nm			6.1mb
			i	33	58.00	
TRI	101.99	317	ePdiff	29	44.00	-4.1X
			e	32	40.00	
			e	34	00.00	
			e	34	24.00	
			e	40	16.00	
MOX	102.14	322	ePdiff	29	48.50	-0.2
	1.4s		33.00nm			5.9mb
Z	20s		2.80um			5.8MsZ
GRF	102.64	321	ePdiff	29	51.00	0.1
			e	30	21.80	
			e	30	28.50	
			ePP	34	11.20	
			e	36	23.10	
			e	36	50.00	
			eSKS	40	20.00	
			eSKKS	40	57.60	

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	1.0s	20.00nm	5.9mb	MCMT	114.11	39	ePKP	34	32.40	-1.3	LSCT	135.95	16	PKP	35	30.00	14.8X					
		ic	30 23.20	TPNV	114.96	48	PKP	34	50.00	14.5X		Z 21s	2.61um				5.9Msz					
FUR	103.02	320	ePdiff29 55.60								TBR	136.16	17	ePKP	35	16.48	0.9					
		ePP	34 08.80								GPD	136.20	18	ePKP	35	15.56	-0.1					
		e	34 40.50	HHAI	115.10	41	(PKP)	34	36.05	0.5				iSKP	38	36.80						
		e	34 52.00	HHAI	115.10	41	ePdiff30	45.10	-1.6		PAL	136.38	17	ePKP	35	16.84	0.9					
		e	40 19.90	GSC	115.12	50	ePKP	34	37.16	1.4	NAV	137.08	26	(PKP)	35	18.17	0.6					
		eSS	48 53.10	PEC	115.31	52	ePKP	34	36.76	0.7				iSKP	38	39.19						
FEL	105.21	320	PKP	34	11.32	-5.2X	FRB	115.48	5	ePKP	34	35.00	-0.3									
WLS	105.45	321	PKP	34	10.10	-6.8X		1.0s	11.00nm		MYNC	137.26	32	ePKP	35	20.07	2.1X					
CDF	105.50	321	ePKP	34	20.70	3.7X	HVU	115.51	42	ePKP	34	36.95	0.6									
	1.3s	58.10nm		DUG	116.17	44	ePKP	34	38.46	0.8		Z 20s	1.13um				5.6Msz					
ECH	105.64	321	PKP	34	11.04	-6.1X			1.06um	5.4Msz	BLA	137.33	26	ePKP	35	19.19	1.2					
MOF	105.77	320	PKP	34	10.38	-7.2X	PAB	116.60	316	ePKP	34	38.30	-0.1									
WLF	105.78	322	iPKPc	34	35.13	17.8X			iPP	35	45.00				ePKP	35	17.96	-0.3				
PCP	105.86	317	PKP	34	32.79	15.0X	ARUT	116.71	47	(PKP)	34	40.65	1.8			(PKP)	35	24.96	4.0X			
BSF	106.00	320	ePKP	34	24.80	6.8X	DAU	117.15	43	ePKP	34	40.45	0.7			iSKP	38	45.47				
	1.5s	108.65nm		BW06	117.17	40	ePKP	34	39.36	-0.2	CEH	139.02	26	ePKP	35	11.27	-9.8X					
PGF	106.10	315	ePKP	34	26.00	7.7X	MSU	117.33	45	(Pdiff30	56.55	-0.3			iSKP	38	44.83					
	1.3s	114.10nm		MSU	117.33	45	ePKP	34	40.97	0.9	JSC	139.34	29	ePKP	35	12.78	-8.9X					
LOMF	106.13	320	PKP	34	07.07	-11.1X	GLA	117.43	52	ePKP	34	41.38	1.3			ePP	35	49.66				
FIN	106.18	317	PKP	34	33.47	15.1X	EPLA	117.57	317	ePKP	34	41.00	0.8			iSKP	38	44.84				
HAU	106.22	321	ePKP	34	26.50	8.2X	EMUT	117.72	44	ePKP	34	41.55	0.8			ePKP	35	23.93	2.1X			
	1.3s	93.50nm		SRU	118.23	44	ePKP	34	41.73	0.1				iSKP	38	43.58						
UCC	106.45	324	ePKP	34	33.00	14.5X	EJIF	118.69	313	ePKP	34	46.40	4.0X			ePKP	35	17.26	-6.7X			
		e	35 00.00	PV09	119.48	44	ePKPc	34	45.11	0.9	RFA	144.64	166	ePKPc	35	30.00	-1.1					
		e	40 37.00	PV10	119.60	44	ePKPc	34	45.20	0.8	IHA	145.35	160	ePKP	35	33.60	1.4					
		e	41 26.00	PV08	119.78	44	ePKP	34	45.74	0.9	RTCB	147.66	163	iPKPc	35	38.70	2.5X					
IMI	106.49	316	PKP	34	38.14	19.2X	RSSD	119.89	36	ePKP	34	44.08	-0.6			e(PKP)	35	36.30	0.1			
DOU	106.57	323	ePKP	34	36.90	18.1X	ULM	120.23	27	ePKP	34	46.50	1.7			ePKP	35	38.00	0.1			
SNF	106.60	324	ePKP	34	37.90	19.1X	GOL	121.45	41	iPKPc	34	48.41	0.6			e(PKP)	35	40.00	1.3			
BHB	106.64	317	PKP	34	38.51	19.3X	GLD	121.52	41	ePKP	34	48.08	0.2			CYA	151.34	166	ePKPc	35	48.20	6.4X
GMW	106.70	40	ePdiff30	09.73	0.7	TIO	122.27	308	iPKP	34	49.00	-0.5			VAO2	154.61	206	ePKP	35	53.80	7.2X	
SAOF	106.70	316	PKP	34	32.68	13.3X	ALQ	123.02	47	ePKP	34	51.81	0.9			SLA	154.97	165	ePKP	35	48.50	1.4
LPG	106.78	318	ePKP	34	32.30	12.5X		Z 21s	0.20um	4.7Msz	VAO	154.99	206	ePKP	35	49.40	2.3					
	1.4s	237.00nm							PP	36 29.72				e	35 50.80							
AUTN	106.78	317	PKP	34	33.33	13.6X			e	38 15.64				e	35 58.10							
LPL	106.78	318	ePKP	34	32.30	12.6X			SDIF	44 25.42				e(PKP)	36 18.00							
	1.2s	205.30nm		JAQ	124.03	12	ePKP	34	50.50	-1.5				e	36 41.00							
SBF	106.82	316	ePKP	34	30.60	11.0X	KIC	125.95	278	ePKP	34	55.89	-1.1			PPD	157.48	198	ePKP	35	51.50	1.2
	1.2s	113.05nm							22.50nm						e	36 22.10						
AURF	106.89	316	PKP	34	34.62	14.9X			e	35 32.00						MOCB	158.22	162	PKP	35	53.60	1.9
TOUF	106.90	317	PKP	34	34.62	14.7X	TIC	126.20	279	PKP	34	56.83	-0.6			NNA	158.49	123	ePKP	35	53.00	1.3
MVIF	107.00	316	PKP	34	34.12	14.1X			20.00nm													
RMW	107.35	39	ePdiff30	12.82	0.8	LIC	126.24	278	PKP	34	56.27	-1.3										
FRF	107.46	316	ePKP	34	35.20	14.5X			38.50nm													
	1.2s	52.95nm							0.98um	5.4Msz												
SHW	107.51	41	ePdiff30	11.68	-1.2	LTX	127.67	52	ePKP	35	00.62	0.7										
LMR	107.62	316	ePKP	34	36.40	15.4X			eSKP	38 07.29												
	1.5s	56.95nm		WMOK	128.55	43	ePKP	35	01.84	0.5												
LRG	107.69	316	ePKP	34	37.10	16.0X			1.74um	5.7Msz												
	1.2s	45.20nm							ePP	35 36.76												
	Z 23s	3.55um	5.9MszX						eSKP	38 11.36												
LOR	108.06	321	ePKP	34	40.60	18.8X	TUL	129.83	40	iPKP	35	04.90	1.2			CCH	161.60	156	PKP	35	57.00	1.8
	1.3s	53.05nm		GAC	131.61	16	ePKP	35	07.00	0.3												
	Z 21s	1.55um	5.5Msz	FVM	131.70	34	ePKP	35	06.92	-0.3												
LBF	108.08	320	ePKP	34	40.90	19.0X			2.45um	5.9Msz												
	1.3s	57.40nm							iSKP	38 21.56												
SSF	108.36	321	ePKP	34	40.70	18.4X			e	39 07.65												
	1.1s	62.50nm		CBM	132.02	9	PKP	35	20.00	12.5X												
PLDF	108.68	319	PKP	34	33.75	10.7X			1.52um	5.7Msz												
LGPM	108.81	46	ePKP	34	25.97	2.4X	MIAR	132.10	40	ePKP	35	09.00	0.9			BDF	161.67	214	PKPc	35	56.00	1.0
AGO	108.97	320	PKP	34	32.87	9.3X			1.33um	5.6Msz												
WDC	109.12	46	PKP	34	30.00	6.0X			e	35 37.06												
	Z 21s	1.65um	5.6Msz						ePP	37 25.46												
LBL	109.19	319	PKP	34	33.47	9.4X			iSKP	38 24.70												
LBFM	109.35	46	ePdiff30	19.50	-1.8	KDS	132.31	287	ePKP	35	08.80	-0.2										
		ePP	34 51.86	ELC	132.86	34	ePKP	35	07.04	-2.4												
SAO	111.09	50	PKP	34	40.00	12.2X			iSKP	38 23.64												
	Z 21s	1.16um	5.4Msz						e	39 10.26												
CMB	111.50	48	e(Pdiff30	37.63	6.9X	LST	133.12	35	ePKP	35	10.84	0.9										
	Z 20s	1.60um	5.6Msz			MIM	133.50	10	ePKP	35	10.17	-0.2										
	N 19s	1.00um							iSKP	38 28.02												
	E 18s	0.80um							e	35 37.06												
		ePP	35 10.63						ePP	37 25.46												
		eSKS	41 05.63						iSKP	38 24.70												
		eS	42 37.63						e	39 10.26												
		eSS	50 44.63						ePP	37 25.46												
		eLQ	01 31.63						iSKP	38 24.70												
		eLR	07 07.63						e	39 10.26												
CMB	111.50	48	PKP	34	40.00	11.4X			1.77um	5.8Msz												
	Z 21s	1.97um	5.7Msz						ePP	35 40.57												
BONR	113.08	48	ePKP	34	34.54	2.6X			iSKP	38 32.49												
ISA	113.71	50	PKP	34	40.00	7.0X			ePKP	35 12.69	-0.3											
	Z 20s	1.64um	5.6Msz						iSKP	38 32.42												
TNP	113.84	48	(PKP)	34	33.90	0.5			ePKP	35 20.00	5.5X											
									1.14um	5.6Msz												

29d 11h

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

SEP 29, 1993 12h 07m 08.08± 0.16s
 19.072 S ± 4.2km 167.494 E ± 4.2km
 DEPTH = 35.2km (18 depth phases)
 5.4mb (38 obs.) 5.2Msz (21 obs.)
 VANUATU ISLANDS REGION (185)

PVC	1.54	30	iPc	07 29.00	-4.6X
			iS	07 46.50	
BKM	1.57	27	iPc	07 29.40	-4.6X
DZM	3.14	198	iPd	07 53.90	-2.6
			iS	08 29.40	
OUZ	16.97	163	eP	11 05.10	0.7
ARMA	18.29	229	eP	11 24.40	3.4X
	1.0s	65.00nm			4.7mb
CTA	20.04	264	iPd	11 42.20	1.1
	1.0s	77.50nm			5.0mb
			i	11 46.00	14kmX
			i	12 02.00	
			eS	15 18.00	
			i	15 45.00	
RIV	20.69	222	eP	11 50.60	2.9X
URZ	20.87	158	eP	11 51.20	1.7
PUZ	21.13	156	eP	11 52.10	-0.1
PMG	21.90	293	eP	12 02.00	1.8
MNG	22.54	164	eP	12 05.70	-0.6
KIW	22.63	165	eP	12 07.30	0.1
CNB	22.78	221	iPc	12 10.30	1.5
	1.0s	149.00nm			5.4mb
TCW	22.82	167	eP	12 09.70	0.7
BWA	22.83	224	eP	12 08.50	-0.7
			i	12 20.10	46kmX
			i	12 44.50	
MRW	22.93	166	eP	12 11.20	1.1
CAN	23.01	222	eP	12 11.70	0.7
			i	12 23.90	49kmX
			i	12 44.10	
THZ	23.08	170	eP	12 12.30	0.6
LTZ	23.98	171	eP	12 17.20	-3.1X
QIS	26.27	262	eP	12 42.00	-0.1
STK	26.56	236	iPd	12 45.20	0.5
	0.9s	39.90nm			5.0mb
TOO	26.62	222	eP	12 30.00	-15.3X
			e	12 45.40	65kmX
ADE	29.99	232	e(P)	13 16.20	0.4
WR2	31.21	263	iPd	13 24.60	-2.0
	0.6s	14.00nm			4.9mb
WRA	31.24	263	P	13 25.00	-1.8
	0.7s	5.60nm			4.5mb
ASPA	31.57	256	iPd	13 28.40	-1.4
	0.6s	88.50nm			5.8mb
Z	20s	6.60um			5.3Msz
			iPc	13 38.40	36km
			eS	18 34.60	
MTN	35.46	275	iPc	14 03.00	-0.4
KNA	37.05	269	eP	14 16.80	0.0
	0.8s	74.00nm			5.6mb
MEEK	45.45	251	iPd	15 15.80	-10.0X
	0.8s	405.00nm			6.4mb
KLB	46.29	244	iPd	15 31.50	-0.8
NWAO	46.82	242	iPc	15 36.10	-0.4
	0.6s	28.00nm			5.4mb
MUN	47.63	244	eP	15 42.00	-0.9
	0.9s	65.00nm			5.6mb
MRWA	47.75	248	iPd	15 43.10	-0.8
	0.6s	35.00nm			5.6mb
NANU	48.50	256	iPc	15 40.30	-9.5X
	0.8s	111.00nm			5.9mb
HON	52.46	42	P	16 30.00	10.1X
Z	21s	1.27um			4.9Msz
GQP	55.16	303	iPc	16 38.00	-1.8
LEM	59.36	273	ePd	17 09.50	-0.3
CSY	59.63	203	eP	17 08.80	-1.9
	0.7s	14.30nm			5.2mb
			epP	17 19.80	37km
MAT	61.85	333	eP	17 26.00	-0.2
	1.0s	8.00nm			4.8mb
QIZ	68.07	301	P	18 07.40	0.7
NJ2	68.95	317	eP	18 12.00	0.1
SNG	70.84	285	eP	18 24.00	0.2
WHN	71.02	313	P	18 24.50	-0.1
SPA	71.04	180	iPd	18 23.00	-1.4
	1.2s	9.15nm			4.7mb
Z	17s	0.67um			5.0MszX
			i	46 46.50	
GYA	74.38	306	P	18 44.60	0.0

	1.0s	13.00nm		4.9mb	
		pP	18 56.00	38km	
BJI	75.78	322	eP	18 51.50	-0.7
	1.0s	6.00nm		4.5mb	
Z	20s	0.90um		5.1Msz	
TIY	76.60	318	eP	18 56.40	-0.6
XAN	76.79	313	P	18 58.50	0.4
	0.7s	13.00nm		5.1mb	
KMI	76.79	303	Pd	18 59.00	0.5
	2.0s	90.00nm		5.4mb	
		pP	19 10.00	36km	
CHG	77.09	295	ePd	19 00.50	0.5
	1.0s	18.75nm		5.1mb	
		eSg	48 01.40		
MAW	77.97	202	iP	19 04.70	0.8
	0.9s	20.00nm		5.1mb	
CD2	78.83	308	eP	19 09.80	0.4
HHC	79.03	320	P	19 11.00	0.6
	0.8s	25.00nm		5.3mb	
BTO	79.82	319	eP	19 15.00	0.3
LZH	81.40	313	Pd	19 24.00	0.9
	2.0s	120.00nm		5.6mb	
Z	22s	0.51um		4.8Msz	
		sP	19 34.50		
CIT	84.88	330	eP	19 41.00	0.6
SVW	85.21	17	(P)	19 41.96	0.0
	1.1s	76.87nm		5.8mb	
		e	19 52.49	33km	
GTA	85.82	314	eP	19 46.00	0.5
	2.0s	45.00nm		5.3mb	
		pP	19 56.00	31km	
YAK	86.20	343	eP	19 45.90	-0.8
	2.0s	103.00nm		5.7mb	
STAN	86.73	49	eP	19 50.40	0.6
KMPM	86.78	45	eP	19 50.14	0.0
		e	20 01.69	37km	
SAO	86.97	50	P	20 00.00	9.0X
Z	20s	1.03um		5.2Msz	
MHC	87.08	49	eP	19 53.14	1.4
	1.3s	50.00nm		5.6mb	
ARN	87.16	49	eP	19 51.54	-0.5
		e	20 02.56	35km	
BCH	87.27	51	eP	19 52.05	-0.6
ABL	87.77	52	eP	19 56.01	0.8
LGPM	87.88	45	eP	19 54.57	-0.9
		e	20 06.31	38km	
WDC	87.92	46	eP	19 55.43	-0.1
	2.0s	131.50nm		5.9mb	
Z	20s	1.25um		5.3Msz	
		e	20 06.54	35km	
ORV	88.17	47	eP	19 57.86	1.1
	1.2s	50.00nm		5.7mb	
YBH	88.33	45	eP	19 59.56	2.0
	1.2s	40.00nm		5.6mb	
MIN	88.45	46	eP	19 59.35	1.1
	1.6s	70.00nm		5.7mb	
LMEM	88.56	46	eP	19 59.22	0.4
		e	20 09.92	34km	
ISA	88.66	52	eP	19 58.20	-1.1
	2.2s	151.30nm		5.9mb	
Z	19s	1.14um		5.3Msz	
LBFM	88.70	45	eP	19 59.30	-0.3
		e	20 10.23	34km	
PEC	88.92	54	eP	19 59.10	-1.5
	0.7s	10.43nm		5.3mb	
PLM	88.94	54	(P)	19 59.45	-1.4
MTUM	89.30	50	eP	20 02.08	-0.4
BONR	89.74	50	eP	20 03.67	-0.9
		e	20 14.92	36km	
GSC	89.76	52	eP	20 04.03	-0.5
		e	20 15.14	35km	
BMW	90.20	40	(P)	20 05.34	-0.9
FBA	90.41	17	eP	20 04.38	-2.4
	1.0s	10.84nm		5.1mb	
TNP	90.57	50	eP	20 07.38	-1.0
	1.2s	25.33nm		5.4mb	
		e	20 18.71	36km	
SHW	90.68	41	eP	20 08.67	0.1
TPNV	90.82	51	eP	20 08.93	-0.6
	1.1s	35.84nm		5.6mb	
CROR	90.92	42	P	20 09.03	-0.6
VIPM	90.95	43	P	20 09.29	-0.6
GMW	90.96	39	eP	20 09.21	-0.5
		e	20 20.10	34km	
ASR	91.06	41	P	20 09.87	-0.4
LON	91.19	40	eP	20 09.86	-0.9
FMW	91.36	40	P	20 11.10	-0.7

MCW	91.46	38	eP	20 11.61	-0.3
			e	20 22.90	36km
RMW	91.52	40	eP	20 11.43	-0.9
JCW	91.77	39	P	20 13.11	-0.3
JBO	91.86	42	P	20 13.17	-0.7
EBG	92.03	41	P	20 14.39	-0.2
KKN	92.13	299	P	20 16.20	0.5
	0.8s	24.00nm		5.7mb	
DMN	92.21	298	P	20 16.60	0.4
WAH2	92.59	41	P	20 17.94	0.8
WTV	92.75	40	P	20 17.11	-0.8
ARUT	93.21	51	eP	20 20.12	-0.3
MSU	94.40	51	eP	20 25.74	-0.3
		e	20 36.50	34km	
GBA	94.41	283	P	20 27.00	0.9
DUG	94.54	49	P	20 40.00	13.5X
Z	21s	0.70um		5.1Msz	
HYB	94.58	287	eP	20 26.50	-0.5
HVU	95.13	48	eP	20 28.52	-0.7
HHAI	95.94	46	(P)	20 33.66	0.8
PV10	96.67	52	eP	20 35.00	-1.4
PV08	97.03	52	(P)	20 38.90	0.8
GOL	99.80	51	P	21 00.00	9.5X
Z	21s	1.07um		5.3Msz	
GLD	99.92	51	P	21 00.00	9.0X
Z	21s	0.88um		5.2Msz	
MIAR	107.73	59	PKP	25 40.00	6.4X
Z	20s	0.74um		5.2Msz	
FVM	110.82	56	PKP	25 50.00	10.6X
Z	19s	1.15um		5.5Msz	
YSNY	120.18	51	PKP	26 10.00	12.9X
Z	21s	0.71um		5.3Msz	
BINY	122.08	52	PKP	26 10.00	9.3X
Z	20s	0.70um		5.3Msz	
LSCT	124.17	52	PKP	26 10.00	5.2X
Z	20s	0.85um		5.4Msz	
LBNH	124.87	49	PKP	26 20.00	14.0X
Z	19s	1.07um		5.5Msz	
CBM	127.05	45	PKP	26 20.00	9.8X
Z	21s	0.71um		5.3Msz	
OBN	128.44	326	ePKP	26	

MOTA	145.84 0.9s	331 iPKPd 70.80nm	26 44.80	-0.1
SQTA	145.88 0.7s	331 iPKPd 37.30nm	26 45.20	0.3
SNF	145.90	341 PKP	26 49.30	4.6X
LANF	145.97	336 PKP	26 45.57	0.7
WLF	146.01	338 iPKPc	26 46.43	1.6
DOU	146.17	340 PKP	26 46.20	1.1
OGA	146.23	330 iPKPc	26 46.50	0.9
BCAO	146.40 0.9s	248 iPKPd 36.00nm	26 47.10	0.5
WLS	146.60	336 PKP	26 47.11	1.1
CDF	146.63 0.9s	336 ePKP 43.55nm	26 47.10	1.0
FEL	146.77	334 PKP	26 47.54	1.2
ECH	146.84	336 PKP	26 47.43	1.1
MOF	147.14	335 PKP	26 48.65	1.7
VITF	147.28	337 PKP	26 49.08	2.1
BSF	147.29 0.9s	336 ePKP 20.15nm	26 48.90	1.7
BBS	147.31	335 PKP	26 49.08	2.0
HAU	147.32 1.0s	336 ePKP 37.60nm	26 49.10	2.0
Z	22s	0.28um	5.0Msz	
FLN	148.83 0.8s	345 ePKP 22.85nm	26 52.70	3.3X
Z	23s	0.35um	5.1MszX	
LOR	148.85 1.1s	338 ePKP 40.55nm	26 53.10	3.5X
Z	21s	0.32um	5.1Msz	
LDF	148.89 0.9s	344 ePKP 24.10nm	26 52.80	3.3X
LBF	149.05 0.9s	338 ePKP 19.15nm	26 53.70	3.8X
SSF	149.15 0.9s	338 ePKP 36.05nm	26 54.00	4.0X
LPL	149.18 0.8s	333 ePKP 15.70nm	26 54.50	4.1X
LPG	149.19 0.9s	333 ePKP 21.15nm	26 54.70	4.2X
HYF	149.27	340 ePKP	26 54.60	4.4X
GRR	149.27 1.2s	345 ePKP 62.20nm	26 54.10	4.0X
SMF	149.39 1.3s	338 ePKP 50.90nm	26 54.30	3.9X
AVF	149.44 0.7s	338 ePKP 9.15nm	26 54.40	4.0X
LPF	149.65 1.2s	345 ePKP 84.20nm	26 55.00	4.3X
BGF	149.82 1.1s	339 ePKP 38.85nm	26 55.50	4.5X
SAOF	150.00	330 PKP	26 54.86	3.4X
AUTN	150.06	330 PKP	26 55.41	3.6X
TOUF	150.13	331 PKP	26 56.58	4.7X
SBF	150.15 1.0s	330 ePKP 67.80nm	26 56.10	4.4X
AURF	150.19	330 PKP	26 55.43	3.6X
MAF	150.21 1.4s	339 ePKP 43.55nm	26 56.60	5.0X
MVIF	150.26	331 PKP	26 55.69	3.7X
TCF	150.27 1.1s	339 ePKP 44.20nm	26 56.70	5.0X
PGF	150.35 0.8s	327 ePKP 61.25nm	26 56.90	4.8X
LSF	150.53 1.3s	340 ePKP 68.95nm	26 57.00	4.9X
MFF	150.72 1.2s	342 ePKP 54.45nm	26 57.50	5.1X
FRF	150.75 1.2s	331 ePKP 39.85nm	26 57.60	5.1X
LRG	150.97 0.9s	331 ePKP 36.85nm	26 58.30	5.5X
Z	21s	0.38um	5.2Msz	
LMR	150.99 1.0s	331 ePKP 36.80nm	26 58.20	5.3X
RJF	151.37 1.3s	339 ePKP 35.00nm	26 59.20	5.8X
Z	22s	0.30um	5.1Msz	
LFF	151.95 0.8s	340 ePKP 22.70nm	27 00.60	6.4X
LPO	152.02 0.7s	339 ePKP 9.70nm	27 00.90	6.5X
EPF	153.77	338 ePKP	27 05.70	8.7X
S.D. = 1.0 on 128 of 190 obs.				
SEP 29, 1993 12h 50m 29.90± 0.31s 18.726 S ±10.2km 167.507 E ± 8.2km DEPTH = 33.0km (normal) 5.0mb (15 obs.) VANUATU ISLANDS (186)				
PVC	1.24	38 iP	50 51.00	0.0
BKM	1.26	34 iP	50 50.50	-0.9
DZM	3.47	196 iPc	51 15.50	-7.6X
ARMA	18.52	228 eP	54 45.50	-0.4
CTA	20.09 1.0s	263 iPc 12.50nm	55 03.50	-0.2
CNB	23.05	221 eP	55 15.00	4.2mb
BWA	23.09	224 eP	55 34.50	1.1
MRW	23.26	166 eP	55 45.00	4.6X
CAN	23.28	221 eP	55 36.90	1.3
STK	26.76 0.9s	236 iPc 4.80nm	56 06.90	-1.7
TOO	26.89	221 eP	56 18.00	45kmX
WR2	31.27 0.5s	262 iPc 2.30nm	56 46.80	-2.4

29d 13h

MOX	2.78	261	ePg	59	42.00	6.8X		1.0s	13.00nm	4.9mb	PLM	88.84	54	eP	20	39.57	-0.6	
			eSg	00	20.00		Z	20s	0.50um	4.7MsZ	MMPM	88.98	50	eP	20	40.45	-0.5	
ZST	3.08	165	eP	00	42.40	63.0X	ASAJ	66.90	341 eP	18 39.10	0.3	MEMM	89.06	50 (P)	20	41.49	0.7	
SPC	3.42	124	eP	00	24.20	39.8X	QIZ	68.17	300 eP	18 47.20	0.0	MTUM	89.20	50 eP	20	41.66	-0.2	
	S.D. = 0.3	on		5	of	8 obs.	NJ2	69.03	317 eP	18 50.60	-1.6	ZAK	89.27	325 eP	20	41.00	-0.5	
								1.0s	23.00nm	5.1mb			1.2s	50.00nm		5.7mb		
SEP	29,	1993	14h 07m	48.80±	0.12s		YSS	69.50	342 eP	18 55.50	0.7	MRCM	89.38	50 eP	20	42.87	0.2	
	19.066	S ± 3.3km		167.618	E ± 3.3km			1.0s	90.00nm	5.7mb		KMOR	89.56	41 P	20	43.26	0.1	
DEPTH =	42.6km	(10 depth phases)					SKR	70.16	352 eP	18 58.20	-0.6	BONR	89.64	49 eP	20	43.65	-0.4	
	5.4mb (50 obs.)	4.6MsZ (19 obs.)						0.9s	130.00nm	5.9mb	GSC	89.66	52 eP	20	43.96	0.1		
	VANUATU ISLANDS REGION (185)								e	19 15.50	64kmX	IMA	89.73	15 eP	20	42.66	-0.9	
							SNG	70.95	285 eP	19 05.50	1.2		0.8s	3.74nm		4.7mb		
PVC	1.47	27	iPd	08	09.70	-3.6X	SPA	71.05	180 iPd	19 02.90	-1.4	SSOR	89.84	42 P	20	44.24	-0.3	
			iS	08	28.00			0.9s	2.27nm	4.2mb X		ONR	89.98	40 P	20	46.00	1.1	
BKM	1.51	23	iP	08	10.00	-3.8X	Z	19s	0.54um	4.8MsZ		BMW	90.12	40 eP	20	45.87	0.2	
DZM	3.19	200	iPc	08	33.20	-4.5X			i	46 43.30		GLA	90.29	55 eP	20	46.80	0.0	
OUZ	16.94	163	P	11	45.70	1.4	WHN	71.10	313 eP	19 05.50	0.6	FBA	90.36	17 eP	20	44.35	-2.0	
			e	11	57.10		MDJ	72.25	332 eP	19 12.20	0.7		0.8s	14.26nm		5.4mb		
ARMA	18.38	229	eP	12	03.00	0.7		1.7s	72.00nm	5.4mb		TNP	90.48	50 eP	20	47.58	-0.2	
	0.9s	34.00nm					SNY	73.00	327 Pc	19 16.20	0.3		1.0s	16.59nm		5.3mb		
CTA	20.16	264	iPc	12	22.60	0.2	CN2	73.52	330 eP	19 19.00	0.0	VBEM	90.49	42 P	20	47.48	-0.1	
			i	12	31.00	32kmX		1.0s	14.00nm	4.9mb		SNA	90.58	183 iPd	20	46.70	-0.7	
			eS	16	12.00		GYA	74.47	306 P	19 25.00	0.0		0.8s	32.00nm		5.7mb		
CTAO	20.16	264	eP	12	22.40	0.0		1.0s	20.00nm	5.0mb		SHW	90.60	41 eP	20	48.47	0.5	
	1.3s	516.26nm					BJI	75.85	322 eP	19 32.50	0.1	STW	90.64	39 P	20	48.67	0.7	
		e		12	33.64	48km		1.4s	49.00nm	5.3mb		TPNV	90.73	51 eP	20	48.49	-0.4	
RIV	20.77	222	iPd	12	30.20	1.6	Z	20s	0.60um	4.9MsZ			0.9s	21.72nm		5.5mb		
		e		12	39.40	35km			eS	29 14.00		CROR	90.84	42 P	20	48.89	-0.2	
PUZ	21.09	156	eP	12	31.00	-0.9	TIY	76.67	318 Pd	19 37.50	0.2	VIPM	90.86	43 P	20	49.32	0.0	
NOZ	21.48	157	eP	12	34.70	-1.1	XAN	76.87	313 P	19 38.50	0.1	GMW	90.89	39 eP	20	49.27	0.1	
PMG	22.01	293	eP	12	42.00	0.8		0.7s	13.00nm	5.1mb		ASR	90.98	41 P	20	49.49	-0.2	
MNG	22.52	164	P	12	44.60	-1.5	KMI	76.89	303 Pd	19 39.50	0.6	LON	91.11	40 eP	20	49.09	-1.2	
PGZ	22.73	163	eP	12	48.90	0.8		1.5s	90.00nm	5.6mb		FMW	91.28	40 P	20	51.25	0.0	
CNB	22.86	221	iPc	12	51.00	1.4	CHG	77.19	295 ePd	19 40.70	0.3	MCW	91.38	38 ePc	20	51.83	0.4	
		i		13	02.10	43km		1.0s	35.00nm	5.3mb		RMW	91.44	40 eP	20	51.36	-0.4	
MRW	22.91	166	eP	12	51.00	1.1	MAW	78.02	202 P	19 45.00	0.9	JCW	91.69	39 P	20	53.23	0.4	
BWA	22.92	224	eP	12	49.30	-0.8		1.0s	29.17nm	5.3mb		JBO	91.78	42 P	20	53.13	-0.2	
		e		13	00.60	44km	CD2	78.92	308 eP	19 50.80	1.0	EBG	91.95	41 P	20	54.40	0.3	
CAN	23.10	222	eP	12	52.50	0.7		1.0s	22.00nm	5.1mb		KKN	92.23	299 P	20	57.00	1.0	
		i		13	03.10	41km	HHC	79.10	320 P	19 51.50	0.9	DMN	92.31	298 P	20	57.20	0.7	
LTZ	23.97	172	P	13	00.40	0.2		1.0s	67.00nm	5.6mb		WTV	92.67	40 P	20	56.99	-0.4	
		e		13	12.30	47km	BTO	79.90	319 P	19 55.50	0.6	SAW	93.01	40 P	20	58.86	-0.1	
WVZ	24.08	174	eP	13	01.70	0.5	LZH	81.48	313 iPc	20 05.50	2.1	ARUT	93.12	51 (P)	20	59.94	0.1	
LMZ	24.62	177	eP	13	05.20	-1.2		2.0s	140.00nm	5.6mb		MSU	94.31	51 eP	21	05.38	0.0	
QIS	26.39	262	eP	13	23.00	-0.2	CIT	84.93	330 eP	20 21.00	0.5	DUG	94.45	49 P	21	20.00	14.1X	
STK	26.66	236	iPc	13	25.30	-0.3	SVW	85.17	17 eP	20 21.42	-0.1	Z	20s	0.16um		4.5MsZ		
	0.9s	19.80nm						1.1s	120.79nm	6.0mb		GBA	94.52	283 P	21	07.40	1.0	
		iPp		13	37.00	45km	GTA	85.90	314 P	20 26.20	0.4		0.8s	6.00nm		5.1mb		
TOO	26.71	222	eP	13	26.20	0.1		1.5s	20.00nm	5.1mb		HVU	95.04	48 eP	21	08.41	-0.2	
	1.0s	72.00nm					YAK	86.23	343 iPc	20 27.80	1.1	DAU	95.64	49 eP	21	12.30	0.7	
ADE	30.09	232	e(P)	13	56.30	-0.3		1.6s	147.00nm	6.0mb		SRU	95.73	51 eP	21	11.91	0.1	
WR2	31.33	263	iPd	14	05.30	-2.3			e	20 39.00	36km	EMUT	95.75	50 eP	21	12.58	0.5	
	0.9s	4.40nm					SLKM	86.29	19 eP	20 25.65	-1.4	HHAI	95.85	46 eP	21	12.30	0.0	
ASPA	31.69	256	iPc	14	08.80	-2.0	CRP	86.29	18 eP	20 25.89	-1.4	WMQ	95.98	314 P	21	14.10	1.3	
	0.6s	28.90nm					KMPM	86.69	45 eP	20 30.27	0.7		1.0s	15.00nm		5.4mb		
Z	21s	2.00um					BKS	86.81	48 e(P)	20 30.34	0.3	PV10	96.58	52 eP	21	15.79	0.0	
		iPp		14	20.60	45km		1.0s	80.00nm	5.9mb		INK	96.87	19 eP	21	17.00	0.9	
		eS		19	01.10		SAO	86.87	49 e(P)	20 30.34	-0.1		1.3s	10.00nm		5.2mb		
MTN	35.57	275	eP	14	44.00	-0.4		1.2s	40.00nm	5.5mb		PV08	96.93	52 (P)	21	18.56	1.0	
GUMO	39.44	324 (P)		15	16.49	-0.2	COE	86.93	49 eP	20 31.73	1.1	ALQ	97.46	56 P	21	30.00	10.2X	
	1.0s	81.35nm					MHC	86.99	49 eP	20 30.96	-0.2	Z	20s	0.13um		4.4MsZ		
MBL	44.79	259	iPd	16	00.20	-0.3		1.1s	50.00nm	5.6mb		LTX	98.03	62 eP	21	21.41	-0.9	
	0.8s	50.00nm					ARN	87.07	49 eP	20 31.30	-0.1	GOL	99.70	51 P	21	40.00	10.1X	
MEEK	45.56	251	iPc	16	06.30	-0.3	BCH	87.17	51 eP	20 31.61	-0.4	Z	18s	0.22um		4.7MsZ		
	0.9s	223.00nm					ILT	87.29	5 eP	20 32.00	0.3	RSSD	101.86	47 (Pd)diff21	39.35	-0.2		
NWAO	46.93	242	iPd	16	16.50	-0.8	PMR	87.46	19 P	20 40.00	7.3X	WMOK	103.48	58 Pd)diff22	00.00	13.3X		
	0.9s	38.00nm						Z	21s	0.26um	4.6MsZ		Z	19s	0.13um		4.5MsZ	
MUN	47.74	244	iPd	16	22.60	-1.1	LGPM	87.79	45 eP	20 35.09	0.2	CNCB	114.74	120 PKP	26	28.00	0.1	
	0.8s	28.00nm					WDC	87.83	46 ePd	20 34.99	0.1	LPAP	114.88	119 PKPd	26	27.80	-0.5	
MRWA	47.86	248	eP	16	23.70	-0.9		1.5s	101.87nm	5.9mb		SVE	115.03	325 iPd)diff22	36.80	-0.7		
	0.7s	16.00nm					Z	22s	0.31um	4.7MsZ			1.0s	70.00nm				

29d 14h

CBM	126.97	45	PKP	27	00.00	10.2X	SSP	149.19	339	ePKP	27	33.80	4.0X	DEPTH = 187.7 ± 14.6 km 4.6mb (10 obs.)						
Z	18s		0.08um			4.4Msz		0.9s	67.15nm					HINDU KUSH REGION, AFGHANISTAN (718)						
OBN	128.50	326	ePdiff	23	53.00	15.6X	LPL	149.23	333	ePKP	27	34.40	4.1X							
	1.1s		23.00nm					1.2s	46.40nm											
KAF	129.32	338	ePKP	26	54.30	0.5	LPG	149.24	333	ePKP	27	34.50	4.1X	KSH	5.04	52	Pd	19	17.50	0.6
LMN	129.45	46	ePKP	26	53.50	-1.1		0.8s	25.25nm						0.5s	50.00nm			4.9mb	
NUR	130.98	337	ePKP	26	56.90	0.0	RSP	149.29	332	PKP	27	33.93	3.7X		S			20	14.50	
SPC	140.14	326	ePKP	27	14.00	-0.8	GRR	149.29	345	ePKP	27	33.90	4.0X	MAIO	9.19	273	ePn	20	20.00	8.7X
SOB1	140.26	133	ePKP	27	04.80	-11.0X		1.1s	62.25nm						eSn			21	44.00	
BRG	142.03	333	iPKP	27	15.70	-2.2	SMF	149.43	338	ePKP	27	34.20	4.0X	NDI	9.38	144	eP	20	13.00	-0.7
CLL	142.10	334	e(PKP)	27	18.00	0.0		1.2s	43.15nm						eS			21	49.00	
ZST	142.39	327	ePKP	27	18.60	0.0	AVF	149.48	338	ePKP	27	34.20	3.9X	WMQ	14.82	55	P	21	24.10	1.0
PRU	142.40	331	ePKP	27	15.30	-3.2X		0.9s	25.20nm						1.0s	15.00nm			4.4mb	
		e		27	19.00		BHB	149.53	332	PKP	27	32.97	2.5X	DMN	14.91	122	P	21	23.40	-1.1
SKO	143.35	316	ePKP	27	17.00	-3.4X	FIN	149.58	330	PKP	27	34.44	3.9X	KKN	14.91	121	P	21	23.20	-1.3
KHC	143.46	331	PKP	27	19.00	-1.4	LFP	149.67	345	ePKP	27	34.80	4.3X	GUN	15.26	120	P	21	28.60	-0.3
	1.1s		10.50nm					1.1s	125.05nm					HYB	20.11	158	eP	22	23.00	0.5
	e			27	50.50		RRL	149.68	332	PKP	27	34.94	4.0X		eS			26	01.50	
	e			28	15.00		BGF	149.85	339	ePKP	27	35.30	4.5X	GBA	23.47	164	Pc	22	58.00	2.8
GEC2	143.60	331	PKP	27	17.80	-3.0X		1.0s	53.20nm					CD2	27.82	92	eP	23	36.60	1.4X
	0.8s		5.56nm				PZZ	149.87	332	PKP	27	34.44	3.3X	CHG	30.26	118	eP	23	57.60	0.7
	e			27	23.70		ENR	149.94	331	PKP	27	35.26	4.1X	XAN	31.03	83	P	24	03.40	-0.1
GRF	144.07	334	ePKPc	27	19.90	-1.5	IMI	149.96	330	PKP	27	35.08	3.9X		1.0s	9.80nm			4.5mb	
Z	22s		0.10um			4.5Msz	SAOF	150.06	330	PKP	27	36.11	4.8X	GYA	31.94	98	P	24	12.20	0.6
OHR	144.18	315	iPKP	27	19.50	-2.4	PLDF	150.09	337	PKP	27	36.68	5.4X		1.0s	13.00nm			4.6mb	
	0.8s		50.00nm				AUTN	150.11	331	PKP	27	36.22	4.6X	KAF	37.64	327	iP	24	59.50	0.1
PTJ	144.46	325	ePKP	27	13.10	-9.2X	TOUF	150.18	331	PKP	27	36.48	4.8X		0.8s	8.70nm			4.5mb	
ZAG	144.50	325	ePKP	27	21.50	-0.7	AGO	150.19	338	PKP	27	36.91	5.5X	NUR	37.84	324	eP	25	01.00	0.0
TNS	144.75	337	ePKPd	27	21.50	-1.1	SBF	150.21	330	ePKP	27	35.90	4.4X	SDF	39.87	335	iP	25	17.90	0.1
BHG	144.79	330	iPKPc	27	22.00	-0.7		0.9s	60.60nm					UPP	41.08	322	iP	25	27.10	-0.6
	1.0s		63.00nm				AURF	150.24	331	PKP	27	36.48	4.8X	BRG	42.60	308	i(P)	25	41.10	0.8
KBA	145.02	329	iPKPc	27	22.40	-0.9	MAF	150.24	339	ePKP	27	36.40	4.9X	GEC2	42.90	305	P	25	42.90	0.0
	1.0s		44.60nm					1.2s	47.90nm					1.1s	1.46nm			3.4mb	X	
VBY	145.09	325	ePKPd	27	22.70	-0.5	TCF	150.31	339	ePKP	27	36.50	4.9X	HFS	43.07	322	eP	25	43.10	-0.9
	ipPKP		27	31.50				1.1s	75.45nm					0.6s	15.50nm			4.8mb		
LJU	145.13	327	ePKP	27	22.50	-0.8	PGF	150.41	327	ePKP	27	36.70	4.7X	NB2	44.39	323	P	25	53.60	-1.0
LJU	145.13	327	iPKP	27	26.50	3.2X		0.8s	92.70nm						0.9s	16.90nm			4.6mb	
LJU	145.13	327	iPKP	27	35.00	11.7X	COLF	150.44	337	PKP	27	37.49	5.7X	DAG	54.81	344	eP	27	13.80	0.3
ENN	145.19	340	ePKP	27	23.00	-0.2	PYM	150.50	338	PKP	27	37.43	5.5X		1.0s	10.00nm			4.5mb	
	1.0s		64.00nm				LSF	150.56	340	ePKP	27	36.80	4.9X	TIC	74.75	267	P	29	02.42	-20.2X
	e			27	35.00			1.0s	58.40nm					0.9s	6.50nm					
FUR	145.20	332	ePKP	27	23.90	0.5	MFF	150.75	343	ePKP	27	37.40	5.2X	WR2	82.05	122	iPc	30	01.00	-1.0
	0.8s		191.00nm					1.0s	48.80nm					0.5s	10.90nm			4.8mb		
MEM	145.30	339	iPKPc	27	23.50	0.1	FRF	150.80	331	ePKP	27	37.40	5.0X	ASPA	84.28	125	eP	30	12.50	-0.8
VOY	145.47	327	ePKP	27	23.70	-0.3		1.0s	47.80nm						0.6s	8.70nm			4.7mb	
VOY	145.47	327	iPKP	27	27.50	3.5X	LBL	150.85	337	PKP	27	37.89	5.4X		S.D. = 1.0 on 22 of 25 obs.					
	epPKP		27	35.30			LRG	151.02	331	ePKP	27	38.10	5.4X	-----						
DLF	145.54	354	ePKP	27	27.00	3.3X		0.9s	50.60nm					& SEP 29, 1993 14h 33m 05.44s						
DCN	145.56	355	iPKPc	27	23.60	-0.2	LMR	151.04	331	ePKP	27	38.00	5.3X	34.618 N 116.604 W						
	0.9s		250.00nm					1.0s	55.00nm					DEPTH = 8.8km						
WTTA	145.71	331	iPKPd	27	24.70	0.2	RJF	151.40	339	ePKP	27	39.00	5.8X	SOUTHERN CALIFORNIA (43)						
	1.1s		76.70nm					1.0s	35.20nm					<PAS-P>. ML 2.8 (PAS).						
MOTA	145.89	331	iPKPd	27	24.90	0.1	CAF	151.54	338	ePKP	27	39.60	6.1X	GSC	0.70	346	iPc	33	18.22	-1.3
	0.9s		101.00nm					0.9s	15.40nm					PEC	0.86	213	eP	33	21.23	-0.9
SQTA	145.94	331	iPKPd	27	25.30	0.5	LFP	151.98	340	ePKP	27	40.40	6.3X		eS			33	32.75	
	0.8s		72.30nm					0.8s	24.60nm					SSK	0.99	246	eP	33	23.69	-0.7
SNF	145.94	341	PKP	27	25.70	1.2	LPO	152.06	339	ePKP	27	40.70	6.5X		eS			33	37.58	
HOFF	145.98	336	PKP	27	26.07	1.5		1.1s	37.35nm					PLM	1.28	190	iPd	33	28.85	-0.6
WLF	146.05	338	iPKPd	27	26.18	1.5		S.D. = 0.9 on 175 of 251 obs.							eS			33	46.99	
	1.3s		121.00nm				-----						ISA	1.85	305	eP	33	36.42	-1.3	
DOU	146.20	340	PKPc	27	26.20	1.2	? SEP 29, 1993 14h 12m 19.17± 4.41s								eS			34	04.21	
BCAO	146.51	248	iPKPd	27	27.00	0.4	58.083 N ±35.2km 6.314 E ±16.0km							GLA	2.15	136	eP	33	43.76	1.7
	0.7s		15.00nm				DEPTH = 10.0km (geophysicist)								eS			34	15.10	
	id			27	46.10		SOUTHERN NORWAY (535)							TPNV	2.34	7	ePn	33	44.09	-0.8
WLS	146.64	336	PKP	27	27.00	1.2	MD 2.8 (BER).								ePg			33	49.94	
CDF	146.68	336	ePKP	27	27.00	1.1								BCH	2.92	282	(P)	33	52.19	-0.8
	0.9s		79.60nm				KMY	1.26	334	eP	12	42.66	0.1		eS			34	20.60	
FEL	146.82	335	PKP	27	27.68	1.5		eS		12	59.84				8 obs. associated					
MOF	147.19	335	PKP	27	27.68	0.9	BLS5	1.35	3	eP	12	43.78	-0.2	-----						
VITF	147.32	337	PKP	27	28.78	1.9		eS		13	00.95			SEP 29, 1993 14h 44m 27.73± 0.15s						
BSF	147.34	336	ePKP	27	28.70	1.7	ODD1	1.84	5	eP	12	52.19	1.1	19.008 S ± 3.8km 167.689 E ± 4.6km						
	1.1s		48.85nm					eS		13	14.06			DEPTH = 34.8km (13 depth phases)						
HAU	147.36	336	ePKP	27	28.90	2.0	EGD	2.27	346	e										

29d 14h

CTAO	20.23 263 iS	52 53.50		1.8s	176.38nm	6.0mb	GEC2	143.59 331 PKP	03 57.50	-3.2X
	1.4s 572.80nm	49 02.18 -0.6		Z 20s	0.57um	5.0msz		1.0s 5.02nm		
	i	49 12.26 41km		ORV	87.99 47 ePd	57 15.68 0.1		e	04 03.70	
RIV	20.86 222 iPd	49 12.50 3.3X			e	57 26.17 33km	GRF	144.05 334 ePKP	03 59.20	-2.1
PUZ	21.11 156 P	49 10.90 -0.9		CMB	88.10 49 eP	57 16.18 0.0	TNS	144.73 337 iPKPd	04 01.30	-1.2
PMG	22.05 293 eP	49 22.00 0.7			1.3s 67.69nm	5.8mb	BHG	144.78 330 iPKPc	04 01.90	-0.7
MNG	22.55 164 P	49 24.40 -1.7		Z 20s	0.28um	4.7msz	KBA	145.01 329 iPKPd	04 01.60	-1.6
PGZ	22.76 163 P	49 28.10 0.0		ISA	88.48 51 ePd	57 18.11 0.0		1.3s 51.20nm		
TCW	22.84 167 eP	49 28.90 0.0			1.8s 138.16nm	6.0mb		i	04 05.90	
CAW	22.92 166 P	49 28.60 -1.1		Z 21s	0.40um	4.8msz		i	04 12.50	
MRW	22.95 166 eP	49 29.50 -0.5		PLM	88.75 54 ePd	57 19.60 0.0	VBY	145.08 325 iPKPd	04 02.70	-0.5
CNB	22.95 221 eP	49 31.70 1.6		MEMM	88.98 50 eP	57 21.85 1.5	LJU	145.11 327 e(PKP)	03 59.00	-4.2X
	0.8s 51.00nm	5.1mb		MTUM	89.12 50 eP	57 21.52 0.2	LJU	145.11 327 ePKP	04 03.00	-0.2
BWA	23.00 224 eP	49 28.50 -2.1		ZAK	89.26 325 ePd	57 21.00 -0.3	ENN	145.16 340 ePKP	04 03.00	-0.1
	i	49 38.50 37km			1.2s 50.00nm	5.7mb		1.2s 93.10nm		
MTW	23.07 165 P	49 31.30 0.2		BONR	89.55 49 ePd	57 23.49 0.0		e	04 13.00	
CAN	23.18 222 eP	49 33.30 0.9		GSC	89.57 52 eP	57 22.99 -0.4	FUR	145.18 332 ePKP	04 03.30	0.0
	i	49 39.90 24kmX		SSOR	89.76 42 P	57 23.96 0.0	VOY	145.45 327 iPKP	04 02.80	-1.1
MOW	23.26 165 P	49 30.70 -2.3		ONR	89.89 40 P	57 25.61 1.2		i	04 07.10	
BLW	23.26 165 P	49 31.80 -1.2		BMW	90.03 40 eP	57 25.10 -0.1	DLF	145.49 354 ePKP	04 03.50	-0.1
LTZ	24.02 172 P	49 39.90 -0.5		GLA	90.20 55 eP	57 26.29 0.0		1.0s 104.00nm		
QIS	26.46 262 eP	50 03.00 -0.6		FBA	90.29 17 eP	57 24.36 -1.5	DCN	145.51 355 iPKPc	04 03.50	-0.1
STK	26.75 236 iPc	50 05.10 -1.0			0.9s 11.56nm	5.2mb		1.0s 139.00nm		
	1.0s 13.00nm	4.5mb		TNP	90.39 50 ePd	57 27.23 0.0	WATA	145.66 331 iPKPd	04 03.90	-0.4
	ipP	50 14.80 35km			1.4s 32.57nm	5.4mb	WTTA	145.69 331 iPKPd	04 04.40	0.0
TOO	26.80 222 eP	50 07.50 0.9		VBEM	90.40 42 P	57 27.13 0.1		1.2s 65.90nm		
	1.0s 31.00nm	4.9mb		SHW	90.51 41 eP	57 28.19 0.7		i	04 14.70	
ASPA	31.77 256 iPc	50 48.50 -2.7X		STW	90.55 39 P	57 28.54 1.1	MOTA	145.87 331 iPKPd	04 04.70	0.0
	0.6s 25.30nm	5.3mb		TPNV	90.64 51 eP	57 28.57 0.2		1.2s 93.40nm		
	Z 22s 2.00um	4.8msz			0.8s 13.32nm	5.3mb	SNF	145.90 341 PKP	04 05.30	0.9
	ipP	50 59.00 38km		CROR	90.75 42 P	57 28.82 0.3	SQTA	145.92 331 iPKPd	04 05.00	0.3
	eS	55 39.10		VIPM	90.77 43 P	57 29.03 0.2		1.3s 82.50nm		
	iPcS	55 56.30		GMW	90.80 39 eP	57 28.98 0.4	HOFF	145.95 336 PKP	04 05.52	1.0
HON	52.29 42 P	53 50.00 11.7X			e	57 40.85 38km	LANF	145.98 336 PKP	04 05.41	0.8
	Z 21s 0.49um	4.5msz		ASR	90.89 41 P	57 29.38 0.2	WLF	146.02 338 iPKPd	04 06.06	1.5
LEM	59.54 273 ePc	54 29.00 -1.8		LON	91.02 40 eP	57 29.56 -0.2		e	04 16.00	
CSY	59.76 203 eP	54 28.70 -2.6X		FMW	91.19 40 P	57 30.93 0.2	DOU	146.17 340 PKPc	04 06.20	1.4
	0.6s 6.80nm	5.0mb		MCW	91.29 38 P	57 31.77 0.9	OGA	146.26 331 iPKPc	04 06.30	0.9
	epP	54 39.80 38km		RMW	91.35 40 ePd	57 31.18 -0.1	BCAO	146.59 248 iPKPd	04 06.00	-0.6
MAJO	61.88 333 eP	54 44.16 -1.9		JCW	91.61 39 P	57 32.65 0.3		1.1s 50.00nm		
	1.3s 21.71nm	5.1mb		JBO	91.69 42 P	57 33.09 0.3		id	04 18.00	
MAT	61.88 333 eP	54 44.00 -2.0		EBG	91.86 41 P	57 33.99 0.4		id	04 26.00	
	1.2s 12.50nm	4.9mb		WAH2	92.42 41 P	57 36.28 0.2	WLS	146.62 336 PKP	04 06.95	1.2
NJ2	69.03 317 Pd	55 32.40 0.3		WTV	92.58 40 P	57 36.65 -0.2	CDF	146.65 336 ePKP	04 07.10	1.3
YSS	69.46 342 eP	55 35.00 0.5		LNOR	92.85 42 P	57 38.09 0.0		0.8s 32.35nm		
CN2	73.51 329 eP	55 57.00 -1.7		SAW	92.92 40 P	57 38.20 -0.2	LIBD	146.74 335 PKP	04 06.95	1.2
	1.0s 9.80nm	4.8mb		ARUT	93.03 51 eP	57 39.55 0.2	FEL	146.79 335 PKP	04 07.38	1.3
GYA	74.49 306 P	56 04.00 -1.0		MSU	94.22 51 eP	57 45.22 0.3	ECH	146.86 336 PKP	04 07.60	1.5
	1.0s 16.00nm	5.0mb		DUG	94.36 49 P	58 00.00 14.6X	MOF	147.16 336 PKP	04 08.26	1.6
	pP	56 15.00 36km			Z 18s 0.23um	4.7msz	VITF	147.30 337 PKP	04 08.81	2.1
BJI	75.84 322 eP	56 11.00 -1.2		GBA	94.57 283 P	57 47.00 0.4	BSF	147.31 336 ePKP	04 08.70	1.8
	1.6s 34.00nm	5.1mb		HVU	94.95 48 eP	57 48.09 0.0		1.6s 80.20nm		
	Z 20s 0.36um	4.7msz		DAU	95.55 49 eP	57 51.14 0.1	BBS	147.33 335 PKP	04 08.59	1.7
TIY	76.68 318 Pd	56 17.00 -0.1		PV10	96.49 52 (P)	57 54.13 -1.2	HAU	147.34 337 ePKP	04 08.90	2.1
	Z 20s 0.50um	4.8msz		LRM	96.60 44 eP	57 55.00 -0.6		1.2s 55.35nm		
XAN	76.88 313 P	56 18.00 -0.3		INK	96.79 19 eP	57 56.00 0.4	FLN	148.81 345 ePKP	04 12.60	3.5X
	1.6s 32.00nm	5.1mb			1.3s 8.00nm	5.1mb	LOR	148.86 338 ePKP	04 13.00	3.7X
KMI	76.91 303 Pc	56 19.50 0.6		LTX	97.95 62 eP	58 00.53 -1.3		1.1s 45.90nm		
	1.6s 70.00nm	5.4mb		GOL	99.61 51 P	58 20.00 10.6X	LDF	148.88 344 ePKP	04 12.70	3.5X
	pP	56 28.50 34km			Z 20s 0.37um	4.9msz	LBF	149.06 338 ePKP	04 13.40	3.7X
CHG	77.23 295 ePd	56 20.50 0.0		GLD	99.74 51 P	58 20.00 10.1X		1.1s 26.60nm		
	1.1s 17.72nm	5.0mb			Z 18s 0.60um	5.1msz	SSF	149.16 339 ePKP	04 13.90	4.2X
MAW	78.09 202 P	56 25.20 0.8		WMOK	103.39 58 Pd	58 40.00 13.8X		1.3s 75.45nm		
CD2	78.94 308 eP	56 29.80 0.1			Z 20s 0.28um	4.8msz	LPL	149.21 333 ePKP	04 14.50	4.3X
HHC	79.10 320 eP	56 30.00 -0.4		MIAR	107.54 59 PKP	03 00.00 7.1X		0.9s 17.70nm		
	1.3s 55.00nm	5.4mb			Z 19s 0.15um	4.5msz	LPG	149.22 333 ePKP	04 14.60	4.3X
BTO	79.90 319 P	56 35.00 0.2		YSNY	120.00 51 PKP	03 30.00 13.5X		1.4s 53.60nm		
CIT	84.92 330 eP	57 00.50 0.2			Z 20s 0.24um	4.8msz	GRR	149.25 345 ePKP	04 14.00	4.2X
SVW	85.10 17 eP	57 00.96 -0.1		BINY	121.90 52 PKP	03 30.00 9.9X		1.3s 79.40nm		
	1.1s 100.66nm	5.9mb			Z 19s 0.19um	4.7msz	HYF	149.27 340 ePKP	04 14.50	4.6X
GTA	85.91 314 eP	57 05.80 0.1		LSCT	123.99 52 PKP	03 30.00 5.9X	SMF	149.40 338 ePKP	04 14.20	4.1X
	2.0s 33.00nm	5.2mb			Z 20s 0.18um	4.7msz		1.1s 31.00nm		
	pP	57 16.00 32km		LBNH	124.68 49 PKP	03 40.00 14.6X	AVF	149.45 339 ePKP	04 14.20	4.0X
YAK	86.20 343 iP	57 06.10 -0.3			Z 20s 0.35um	5.0msz	LPF	149.63 345 ePKP	04 14.90	4.5X
	1.8s 146.00nm	5.9mb		HRV	125.15 51 PKP	03 40.00 13.7X		1.3s 132.50nm		
	e	57 16.00 31km			Z 22s 0.15um	4.6msz	BGF	149.82 339 ePKP	04 15.40	4.7X
TTA	86.50 16 eP	57 08.22 0.2		CBM	126.88 45 PKP	03 40.00 10.5X		1.0s 29.60nm		
	1.3s 22.73nm	5.2mb			Z 19s 0.18um	4.7msz	SAOF	150.04 331 PKP	04 15.49	4.3X
SAO	86.78 49 P	57 20.00 10.1X		LMN	129.36 46 ePKP	03 33.00 -1.3	AUTN	150.09 331 PKP	04 16.04	4.5X
	Z 21s 0.33um	4.7msz		BRG	142.01 333 ePKP	03 58.60 0.8	TOUF	150.16 331 PKP	04 16.31	4.7X
ARN	86.98 49 eP	57 10.85 0.0		CLL	142.08 334 e(PKP)	04 00.00 2.1	SBF	150.19 331 ePKP	04 16.00	4.5X
BCH	87.08 51 eP	57 11.61 0.1		ZST	142.38 327 ePKP	03 58.70 0.2		1.3s 83.40nm		
ABL	87.58 52 (P)	57 14.65 0.6		PRU	142.39 331 ePKP	03 56.00 -2.5	MAF	150.21 339 ePKP	04 16.40	5.0X
LGPM	87.70 45 ePd	57 14.84 0.5			Sg	07 25.80		1.6s 84.60nm		
WDC	87.74 46 ePd	57 14.60 0.2		SKO	143.35 316 ePKP	04 01.10 0.7	AURF	150.22 331 PKP	04 16.31	4.8X
				KHC	143.44 331 PKP	03 57.50 -2.8X	TCF	150.27 339 ePKP	04 16.60	5.1X
					1.2s 10.00nm			1.2s 53.55nm		

29d 15h

PGF 150.40 327 ePKP 04 16.80 4.9X	WLHM 1.40 156 P 05 01.09 -0.4	BRLK 0.99 129 eP 08 42.95 -0.9
LSF 150.53 340 ePKP 04 16.90 5.1X	PDRM 1.54 225 P 05 04.09 0.9	XLV 1.01 160 eP 08 42.77 -1.2
MFF 150.72 343 ePKP 04 17.40 5.3X	BRMM 1.56 248 P 05 04.61 1.2	NCG 1.02 6 eP 08 43.23 -1.0
FRF 150.79 331 ePKP 04 17.50 5.2X	TNP 1.57 65 eP 05 04.60 0.9	CNFM 1.05 146 iPd 08 43.52 -1.0
LRG 151.00 331 ePKP 04 18.10 5.5X	BAVM 1.61 278 P 05 07.93 3.7	SLKM 1.08 83 iPc 08 43.67 -1.3
LMR 151.03 331 ePKP 04 18.00 5.4X	BMSM 1.62 242 P 05 05.75 1.5	PDB 1.09 237 eP 08 43.62 -1.3
RJF 151.37 339 ePKP 04 19.10 6.0X	WASM 1.73 167 P 05 07.27 1.1	AUL 1.15 208 iPd 08 44.72 -0.9
CAF 151.52 338 ePKP 04 19.60 6.2X	HVC 1.79 234 P 05 08.14 1.3	AUE 1.15 206 iPd 08 44.58 -1.1
LFF 151.95 340 ePKP 04 20.40 6.4X	ISA 1.82 166 ePc 05 08.37 1.1	AUP 1.16 207 iPd 08 44.46 -1.5
LPO 152.03 339 ePKP 04 20.80 6.7X	WORM 1.84 160 P 05 08.96 1.3	S 08 57.78
EPF 153.77 339 ePKP 04 23.40 6.7X	EKH 1.89 247 P 05 10.09 1.9	AUH 1.16 207 iPd 08 45.01 -0.9
S.D. = 1.0 on 130 of 181 obs.	HJSM 1.92 252 P 05 10.22 1.6	AGU 1.17 207 eP 08 45.01 -1.0
& SEP 29, 1993 15h 15m 55.49s	PHAM 1.94 215 eP 05 11.10 2.1	AUW 1.17 208 iPd 08 44.95 -0.9
37.430 N 119.016 W	ARN 2.00 268 eP 05 11.28 1.4	AUI 1.19 207 eP 08 44.90 -1.2
DEPTH = 3.8km	HSPM 2.02 262 P 05 11.82 1.7	SUA 1.34 36 iPc 08 47.41 -0.8
CENTRAL CALIFORNIA (39)	BVYM 2.03 251 P 05 13.02 2.7	SEW 1.50 100 iPc 08 48.33 -1.7
<GM-P>. MD 2.9 (GM).	SAO 2.05 252 eP 05 11.74 1.2	MPA 1.51 85 iPc 08 48.70 -1.4
MMPM 0.18 357 ePc 15 59.41 0.2	WJPM 2.07 168 P 05 12.90 2.0	CDD 1.60 204 iPd 08 49.80 -1.7
HTCR 0.22 63 P 16 00.07 0.1	TPNV 2.27 102 ePn 05 14.11 0.3	SKT 1.64 14 iPd 08 50.47 -1.5
CLKR 0.22 44 P 16 00.14 0.1	BCH 2.40 201 eP 05 16.17 0.4	PTE 1.73 73 iPc 09 11.61 -1.9
MEMM 0.24 14 ePc 16 00.72 0.3	MARC 2.44 186 P 05 19.56 3.4	SVW 1.74 296 iPd 08 50.81 -2.4
ORC 0.35 54 P 16 02.68 0.1	ABL 2.58 184 eP 05 19.64 1.3	ES 09 12.26
MTUM 0.37 102 iPc 16 02.79 -0.1	GSC 2.78 139 ePn 05 22.43 1.3	PWA 1.75 43 P 08 52.20 -1.2
CASR 0.40 68 P 16 03.58 0.1	ORV 2.88 318 (Pn) 05 21.22 -1.1	PLRM 1.99 52 eP 08 54.43 -2.1
BHPR 0.44 107 P 16 04.32 0.0	SSK 3.39 161 (P) 05 30.79 0.9	FMR 1.99 52 ePc 08 54.04 -2.5
MRCM 0.47 59 iPc 16 04.82 -0.1	36 obs. associated	PWL 2.05 75 eP 08 54.77 -2.7
BCKR 0.58 62 P 16 06.94 -0.1	SEP 29, 1993 16h 40m 53.15± 0.74s	KNK 2.18 60 iPc 08 56.86 -2.2
BONR 0.77 47 eP 16 10.29 -0.7	33.194 S ± 5.3km 70.408 W ± 6.0km	GH0 2.18 49 iPc 08 57.13 -2.0
CMB 1.24 300 ePc 16 18.10 -1.1	DEPTH = 5.0km (geophysicist)	CUT 2.26 26 eP 08 58.86 -1.3
MCUM 1.38 294 P 16 20.80 -0.7	CHILE-ARGENTINA BORDER REGION (127)	CFI 2.40 69 iPc 08 59.04 -3.0
WLHM 1.39 156 P 16 21.40 -0.7	MD 3.7 (SAN).	SML 2.43 53 iPc 09 00.25 -2.3
PDRM 1.54 225 P 16 27.02 3.2	FCH 0.17 144 iP 40 55.78 -0.9	KDC 2.66 181 iPd 09 01.97 -3.6
BRMM 1.56 248 P 16 25.02 0.9	IS 40 58.65	SCM 2.85 57 ePc 09 05.78 -2.5
TNP 1.57 65 eP 16 25.05 0.7	IS 40 58.82 0.8	HUR 2.90 26 eP 09 08.44 -0.6
MNHM 1.59 297 P 16 24.64 0.1	PCH 0.43 192 iP 41 02.04 0.2	HIN 2.92 87 eP 09 05.53 -3.8
WASM 1.73 168 P 16 27.62 0.9	IS 41 09.70	VLZ 3.06 73 eP 09 07.90 -3.2
VPFM 1.76 147 P 16 28.43 1.2	JACH 0.53 343 iP 41 02.31 -1.6	TTA 3.07 327 iPd 09 08.77 -2.6
HVC 1.79 234 P 16 29.26 1.8	ROCH 0.55 293 iP 41 04.26 0.0	MID 3.20 105 P 09 09.50 -3.5
ISA 1.82 166 eP 16 28.23 0.4	IS 41 13.72	TRF 3.22 17 eP 09 11.26 -2.3
EKH 1.89 247 P 16 30.53 1.7	TACH 0.64 224 iP 41 06.14 0.2	KTH 3.24 12 eP 09 11.74 -2.0
WOFM 1.91 173 P 16 30.27 1.0	LCCH 1.01 254 iP 41 12.81 0.0	CVA 3.29 85 eP 09 10.36 -3.9
PHAM 1.94 215 eP 16 30.89 1.3	IS 41 28.43	KLU 3.34 68 iPc 09 11.92 -3.2
ARN 2.01 268 eP 16 31.36 0.8	LNV 1.13 228 iP 41 14.37 -0.4	RND 3.45 27 eP 09 14.51 -2.1
HSPM 2.02 262 P 16 32.20 1.4	IS 41 31.06	TOA 3.46 58 P 09 14.30 -2.4
WJPM 2.06 168 P 16 33.18 1.7	CFA 2.42 50 e(P) 41 35.70 1.6	SGAM 3.56 85 eP 09 15.29 -2.8
COE 2.12 266 ePn 16 34.00 1.7	S.D. = 1.1 on 9 of 9 obs.	DHY 3.59 39 eP 09 16.72 -1.9
WSHM 2.17 145 P 16 36.70 3.7	& SEP 29, 1993 17h 08m 23.97s	RAGM 3.83 87 eP 09 17.85 -4.0
TPNV 2.26 101 ePn 16 34.63 0.2	60.398 N 152.393 W	SDG 3.92 54 eP 09 20.43 -2.6
BCH 2.40 201 eP 16 36.32 0.0	DEPTH = 89.4km	KAIM 4.01 93 eP 09 22.34 -2.0
GSC 2.77 139 eP 16 41.27 -0.4	SOUTHERN ALASKA (2)	HMT 4.04 87 eP 09 21.97 -2.7
ORV 2.88 318 eP 16 43.57 0.5	<AEIC>.	PAX 4.19 49 eP 09 24.34 -2.5
ARUT 4.44 84 (Pn) 17 04.96 -0.4	RDT 0.18 358 iPc 08 36.58 1.1	GLB 4.32 72 eP 09 24.78 -3.8
35 obs. associated	ES 08 47.39	NEA 4.47 19 eP 09 28.25 -2.4
& SEP 29, 1993 16h 04m 35.28s	REF 0.18 301 iPc 08 36.70 1.1	CRQM 4.58 81 eP 09 29.27 -3.1
37.434 N 119.021 W	ES 08 46.41	TGL 4.73 82 eP 09 31.52 -2.9
DEPTH = 7.4km	RED 0.19 277 iPc 08 36.54 1.0	HDA 4.75 30 eP 09 31.78 -2.8
CENTRAL CALIFORNIA (39)	ES 08 46.94	CCB 4.76 24 eP 09 31.86 -2.8
<GM-P>. MD 3.1 (GM).	RSO 0.19 290 eP 08 36.79 1.1	CYK 4.95 89 P 09 34.90 -2.3
MMPM 0.18 358 iPc 04 39.10 -0.1	RS2 0.19 290 iPc 08 36.81 1.1	MDM 4.96 21 eP 09 35.14 -2.4
CLKR 0.22 45 P 04 39.81 -0.2	RDW 0.22 293 ePc 08 36.68 0.9	BALM 4.98 78 eP 09 33.57 -4.2
MEMM 0.24 16 ePc 04 40.28 0.0	DFR 0.24 323 iPc 08 36.75 -0.6	FBA 4.99 23 eP 09 34.65 -3.2
MTUM 0.37 102 iPc 04 42.46 -0.4	NCT 0.31 302 iPc 08 36.85 -0.9	ILB 5.07 28 eP 09 35.74 -3.3
BHPR 0.45 107 P 04 44.00 -0.3	ILIM 0.43 222 iPc 08 37.52 -0.9	ILI 5.07 28 eP 09 35.39 -3.6
MRCM 0.47 60 iPc 04 44.47 -0.4	INE 0.48 225 ePc 08 37.96 -0.9	GLM 5.15 24 eP 09 37.30 -2.8
CWCR 0.57 84 P 04 46.34 -0.5	INW 0.50 228 iPc 08 38.24 -0.7	WRG 5.18 89 eP 09 38.90 -1.6
BONR 0.77 47 eP 04 49.99 -0.8	BKG 0.68 5 eP 08 39.77 -0.8	YAH 5.28 86 eP 09 39.54 -2.6
MSTM 1.19 294 P 04 57.10 -0.7	CKL 0.80 2 iPd 08 41.02 -0.8	IM3 5.64 354 eP 09 43.62 -3.3
CMB 1.24 299 ePc 04 57.77 -0.8	SPU 0.80 12 iPd 08 40.95 -0.8	BC3 5.71 57 eP 09 44.33 -3.6
MOYM 1.31 291 P 04 59.36 -0.4	CKT 0.81 6 ePd 08 40.98 -0.9	IMA 5.72 355 iPc 09 44.65 -3.5
	HOM 0.83 153 iPd 08 41.73 -0.3	BM3 7.83 23 eP 10 12.05 -5.0
	CKN 0.84 7 eP 08 41.43 -0.7	90 obs. associated
	OPT 0.86 210 iPd 08 41.68 -0.7	SEP 29, 1993 17h 32m 37.47± 5.67s
	BGL 0.87 0 iPd 08 41.83 -0.7	33.988 N ±58.1km 25.565 E ±10.0km
	CP2 0.87 5 iPd 08 41.69 -1.0	DEPTH = 90.0km (geophysicist)
	CRP 0.88 7 iPd 08 41.37 -1.4	EASTERN MEDITERRANEAN SEA (371)
	CGLM 0.93 12 iPd 08 42.35 -0.9	NPS 1.27 2 eP 33 00.50 -0.2
		VAM 1.81 322 eP 33 08.00 0.4
		VLI 3.47 322 eP 33 30.00 -0.3

EHUE	81.39	13	iPd	38	37.58	-0.8
EBAN	81.55	12	iPd	38	38.17	-0.9
EALH	81.63	14	eP	38	40.36	0.8
TROT	81.96	23	iPd	38	41.90	0.5
EVIA	82.21	12	iPd	38	42.02	-0.6
KRIT	82.54	22	iPd	38	44.80	0.5
PAB	82.82	11	iPd	38	45.20	-0.6
			iS	49	06.00	
BLIT	82.85	22	iPd	38	39.50	-6.4X
ZGN	82.85	23	iPd	38	46.50	0.5
EPLA	83.11	9	iPd	38	47.28	0.1
ECHE	83.39	13	iPc	38	48.96	0.3
KCHT	83.50	22	iPd	38	49.60	0.3
GUD	83.93	11	iPd	38	51.66	0.2
ESEL	84.30	16	eP	38	52.14	-1.0
ETOR	84.41	12	iPd	38	54.00	0.1
EROQ	84.84	14	eP	38	56.29	0.5
EBR	84.85	14	eP	38	57.00	1.1
			eS	49	20.00	
			ePS	50	15.00	
ERUA	85.29	8	eP	38	57.37	-0.7
HLW	85.44	42	eP	39	02.00	2.9X
EGRA	86.04	13	iPc	39	02.65	0.9
ECRI	86.09	12	iPd	39	03.00	0.8
ETER	86.73	16	iPc	39	05.69	0.5
TRGS	86.75	15	P	39	06.03	0.5
ELIZ	86.79	12	iPc	39	06.01	0.5
SALF	86.85	14	P	39	06.75	0.8
PERF	86.91	16	P	39	06.33	0.2
EPF	86.97	14	eP	39	06.90	0.5
	1.2s		51.45nm			5.6mb
MTHF	87.28	15	P	39	08.14	0.2
PGF	88.35	20	eP	39	12.50	-0.6
	1.3s		65.35nm			5.8mb
LMR	88.49	18	eP	39	13.80	0.1
	1.2s		66.05nm			5.8mb
LRG	88.58	18	eP	39	14.40	0.4
	1.6s		205.85nm			6.2mb
Z	19s		4.15um			5.9Msz
LPO	88.72	14	eP	39	15.30	0.6
	1.1s		106.45nm			6.0mb
FRF	88.74	18	eP	39	15.10	0.3
	1.2s		91.65nm			5.9mb
LFF	88.89	13	eP	39	16.10	0.6
	1.0s		89.20nm			6.0mb
CALN	88.98	18	P	39	16.84	0.7
CAF	89.11	14	eP	39	17.20	0.6
	1.2s		92.85nm			5.9mb
MVIF	89.17	18	P	39	17.82	0.7
AURF	89.21	18	P	39	17.82	0.6
SBF	89.21	18	eP	39	17.60	0.4
	1.2s		100.55nm			6.0mb
TOUF	89.31	18	P	39	18.41	0.6
AGG	89.32	31	eP	39	18.08	0.4
AUTN	89.33	18	P	39	18.41	0.5
SAOF	89.35	18	P	39	18.31	0.5
IMI	89.36	19	P	39	18.17	0.3
RJF	89.38	14	eP	39	18.40	0.6
	1.0s		105.60nm			6.0mb
Z	19s		4.70um			5.9Msz
STV	89.54	18	P	39	19.54	0.8
ENR	89.55	18	P	39	18.90	0.1
LBL	89.63	15	P	39	19.87	0.8
FIN	89.72	19	P	39	19.54	0.0
PZZ	89.74	18	P	39	20.68	0.9
RRL	90.06	18	P	39	21.37	0.0
FIR	90.08	21	eP	39	20.00	-1.1
			iS	50	16.00	
PYM	90.08	15	P	39	22.20	1.0
BHB	90.10	18	P	39	20.68	-0.6
PCP	90.11	19	P	39	21.14	-0.2
LSF	90.29	14	eP	39		

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LPL	1.2s	138.65nm	6.1mb	WLF	94.44	16 P	39 42.00	1.0	CLL	97.51	19 eP	39 56.00	1.0	
	90.62	17 eP	39 24.70	0.8	DOU	94.55	15 Pc	39 42.30	0.7	Z 17s	2.50um		5.8MsZ	
	1.2s	146.40nm	6.1mb	UZD	94.75	25 e(P)	39 42.60	0.1	SPC	97.57	24 eP	39 54.70	-0.8	
LSD	90.66	18 P	39 24.62	0.5	KMR	94.80	21 iP-	39 43.20	0.4		ePP	43 51.00		
ULC	90.82	27 iPc	39 25.38	0.8	BZS	94.85	27 ePc	39 36.00	-7.0X	UZH	97.72	26 eP	39 57.00	1.0
BGF	90.83	14 eP	39 25.20	0.7	SNF	94.90	14 P	39 44.20	1.1		1.5s	70.00nm	6.1mb	
	1.2s	40.45nm	5.6mb	SOP	95.13	23 eP	39 45.00	0.7	Z 19s	2.60um		5.7MsZ		
BHL	90.85	42 Pd	39 24.00	-1.0	UCC	95.18	14 P	39 45.00	0.6	E 19s	2.70um			
		PP	43 00.00				S	51 09.00			e	50 34.00		
		SKS	49 54.00		BUC	95.39	30 ePc	39 43.00	-2.5X		iS	51 24.00		
BDV	90.97	27 iPc	39 26.04	0.8			ec	03 40.00			eSS	58 00.00		
GRG	91.04	30 eP	39 25.32	-0.3	GEC2	95.41	21 P	39 45.20	-0.5		eSSS	01 40.00		
OUR	91.08	31 eP	39 26.20	0.4		1.1s	4.17nm	4.8mb X		MYNC	97.92	311 P	40 10.00	12.7X
SMF	91.10	15 eP	39 26.40	0.6			e	39 47.80		Z 19s	3.87um		5.9MsZ	
	1.5s	147.80nm	6.1mb				e	39 54.50		OJC	98.35	24 eP	39 59.00	0.2
AVF	91.15	15 eP	39 26.80	0.8			PP	43 22.30		EKA	98.49	9 Pc	40 01.10	1.8
	1.1s	92.05nm	6.0mb				e	43 27.00			0.9s	7.90nm	5.4mb	
EMS	91.19	17 ePc	39 26.90	0.5			e	43 34.30		KIS	98.63	31 eP+	40 01.00	1.0
TTG	91.24	27 iPc	39 27.07	0.6			PKKP	56 41.30		Z 17s	1.30um		5.5MsZ	
SOH	91.27	30 eP	39 27.00	0.3	ENN	95.45	15 eP	39 47.00	1.4		i	44 04.00		
DIX	91.30	18 iPd	39 27.30	0.2		0.9s	14.90nm	5.4mb			eS	50 38.50		
KNT	91.40	30 eP	39 27.16	-0.1	WET	95.48	20 iPc	39 46.00	0.1		iPS	51 31.00		
BRY	91.43	26 iPc	39 27.62	0.1	Z 16s	4.00um		6.0MsZ		LBNH	98.89	324 P	40 10.00	8.6X
SSF	91.44	15 eP	39 27.80	0.5	SNZO	95.57	190 P	39 49.50	2.7X		Z 20s	2.54um	5.7MsZ	
	1.3s	79.05nm	5.9mb				eS	50 24.00		SIM	99.02	35 eP	40 04.00	2.1
LBF	91.45	15 eP	39 27.80	0.4	GRF	95.58	19 iPd	39 46.50	0.2		Z 18s	1.40um	5.5MsZ	
	1.2s	58.00nm	5.8mb			1.5s	60.00nm	5.8mb			e	50 40.00		
HYF	91.48	14 eP	39 28.40	0.9		Z 18s	3.00um	5.8MsZ		BINY	99.11	321 P	40 10.00	7.5X
	1.2s	132.70nm	6.2mb				e	40 07.90			Z 20s	3.78um	5.9MsZ	
NKY	91.50	27 iPc	39 28.19	0.4	KHC	95.64	20 P	39 45.50	-1.2	CBM	99.51	328 eP	40 03.99	-0.1
SKO	91.58	29 iPd	39 28.00	-0.1		1.0s	7.00nm	5.1mb			1.1s	13.40nm	5.4mb	
	1.4s	140.00nm	6.1mb			Z 22s	4.20um	5.9MsZ			Z 21s	2.97um	5.8MsZ	
	Z 19s	1.72um	5.5MsZ			N 22s	1.70um			TAB	99.56	46 eP	40 03.00	-1.8
		eS	50 25.00			E 22s	2.00um				i	44 08.00		
LPF	91.61	12 eP	39 28.40	0.3			e	40 01.50		ERE	100.17	44 ePdiff40	07.00	-0.6
	1.3s	87.35nm	6.0mb				e	42 57.50			i	44 12.00		
SRS	91.62	30 eP	39 27.96	-0.3			e	43 28.00		ANN	100.34	37 ePdiff40	06.00	-2.0
PVY	91.63	27 iPc	39 28.60	0.1			e	43 42.50			Z 17s	1.50um	5.6MsZ	
TMA	91.66	19 iPc	39 28.30	-0.3			eSKS	50 24.00			e	50 45.00		
LOR	91.70	15 eP	39 29.00	0.4	ZST	95.75	23 eP	39 46.80	-0.3		e	51 49.00		
	1.2s	68.45nm	5.9mb				ePP	43 40.60		YSNY	100.54	319 Pdiff	40 20.00	10.9X
	Z 21s	6.18um	6.0MsZ		SRO	95.76	24 eP	39 48.20	1.1		Z 20s	3.94um	5.9MsZ	
IYA	91.85	27 iPc	39 29.41	0.0			ePP	43 37.30		COP	101.42	17 ePdiff40	18.00	5.5X
GRR	91.99	12 eP	39 29.70	-0.1	CEH	95.81	315 eP	39 47.34	-0.3		Z 20s	2.84um	5.8MsZ	
PLE	92.09	27 iPc	39 30.29	-0.3		1.3s	49.19nm	5.8mb		MIAR	103.04	305 Pdiff	40 30.00	9.6X
VDL	92.16	19 ePd	39 30.70	-0.2		Z 21s	3.51um	5.8MsZ			Z 20s	2.21um	5.7MsZ	
LDF	92.30	12 eP	39 31.40	0.2	BNS	95.88	16 iP+	39 52.00	4.4X	GRO	103.10	42 ePdiff40	24.00	3.6X
	1.0s	34.60nm	5.7mb			Z 21s	5.40um	6.0MsZ			Z 20s	3.00um	5.8MsZ	
ALN	92.36	32 eP	39 31.32	-0.4	MLR	96.26	30 eP	39 50.00	0.4		N 16s	3.50um		
RIY	92.38	22 eP	39 31.50	-0.1			e	43 38.00			E 20s	3.00um		
LLS	92.41	18 ePc	39 32.40	0.3	PSZ	96.34	25 ePd	39 49.50	-0.4	GBA	103.33	84 Pdiff	40 26.00	4.0X
FLN	92.41	12 eP	39 31.90	0.2	MOX	96.56	19 eP	39 57.00	6.3X	FVM	103.55	309 Pdiff	40 30.00	7.5X
	1.1s	61.80nm	5.9mb			Z 18s	2.70um	5.8MsZ			Z 19s	5.16um	6.1MsZ	
	Z 20s	7.47um	6.1MsZ				eSKS	50 35.00		MAK	103.74	44 iPdiff40	16.00	-7.2X
OSS	92.51	19 iPc	39 32.70	0.2			eS	51 18.00			Z 15s	4.00um	6.1MsZ	
TRI	92.54	22 eP	39 36.00	3.6X	DBN	96.58	14 eP	39 59.00	8.3X		N 15s	2.00um		
		e	50 00.00			Z 20s	4.50um	5.9MsZ			E 15s	1.50um		
BBS	92.64	17 P	39 32.98	0.1			eSKS	50 32.00				e	44 39.00	
VBY	92.77	23 iPd	39 33.80	0.3			eS	51 24.00				e	51 04.00	
BSF	92.83	17 eP	39 33.90	0.0			eSS	57 52.00		SLM	103.89	310 Pdiff	40 30.00	6.0X
	1.3s	62.45nm	5.9mb				eSSS	01 40.00			Z 19s	2.11um	5.7MsZ	
ZLA	92.85	18 ePc	39 34.60	0.7	PRU	96.68	21 P	39 50.80	-0.5	HFS	105.78	16 ePKP	44 50.10	5.5X
VOY	92.87	22 eP	39 34.20	0.1		2.0s	52.50nm	5.7mb			1.4s	38.30nm		
OGA	92.90	20 iPc	39 34.20	-0.1		Z 17s	2.90um	5.8MsZ		MAIO	105.84	55 ePdiff40	36.00	3.1X
HAU	92.90	16 eP	39 34.30	0.2		N 15s	2.30um			MAIO	105.84	55 ePKP	44 54.00	8.4X
	1.4s	61.45nm	5.8mb			E 16s	1.70um			LTX	106.03	295 ePKP	44 47.64	1.5
	Z 18s	2.47um	5.7MsZ				e	45 44.30		NB2	106.14	14 PKP	44 54.70	9.4X
MOF	92.92	17 P	39 34.16	-0.1			SKS	50 28.00			1.3s	14.60nm		
VITF	93.03	16 P	39 34.75	0.1			S	51 15.10		WMOK	106.37	302 ePKP	44 43.82	-2.7X
LJU	93.06	22 eP	39 34.50	-0.3			i	51 18.70			Z 19s	4.55um	6.0MsZ	
		e	40 08.50				SSP	52 29.30		UPP	106.38	18 iPKP	44 55.60	9.9X
		eS	50 08.00				eSS	57 36.00		HYB	106.62	82 ePKP	44 43.80	-3.7X
		e	50 44.00				i	01 45.50		OBN	108.03	30 ePKP	44 48.00	-0.9
		e	56 52.00				e	07 44.00			1.8s	130.00nm		
FEL	93.14	17 P	39 35.11	-0.2	CVL	97.08	316 eP	39 54.14	0.8		Z 18s	2.80um	5.9MsZ	
SLE	93.14	18 ePc	39 35.60	0.4	BRG	97.34	20 eP	39 59.00	4.8X		E 16s	1.20um		
ECH	93.27	17 P	39 35.54	-0.2		Z 18s	4.70um	6.0MsZ				e	45 06.00	
CDF	93.48	17 eP	39 37.00	0.2		N 18s	2.90um			ASPA	109.21	153 ePKP	44 51.00	-1.2
	1.5s	65.30nm	5.8mb			E 18s	1.80um				1.4s	5.60nm		
WLS	93.50	17 P	39 37.07	0.2			eSKS	50 33.00		ALQ	111.39	298 ePKP	44 56.09	-0.2
BHG	94.16	21 eP	39 39.10	-0.7			iS	51 24.00			Z 20s	0.48um	5.1MsZ	
FUR	94.17	19 eP	39 40.50	0.6	HRV	97.34	323 P	40 00.00	5.6X			e	45 05.97	
	1.9s	104.00nm	5.9mb			Z 21s	2.53um	5.7MsZ		WRA	112.81	152 PKP	44 59.00	-0.1
	Z 16s	7.00um	6.2MsZ		LSCT	97.43	322 P	40 00.00	5.2X		0.9s	2.10nm		
		eSKS	50 14.30			Z 20s	3.61um	5.8MsZ		WR2	112.81	152 iPKPc	44 58.50	-0.6
		eS	50 54.00		TBR	97.46	321 eP	39 56.20	1.2					

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	0.7s	3.00nm			
GLD	113.50	303 PKP	45 10.00	9.8X	
	Z 19s	3.51um		6.0MsZ	
GOL	113.56	303 PKP	45 10.00	9.6X	
	Z 20s	3.82um		6.0MsZ	
PV08	114.96	300 (PKP)	45 03.08	-0.1	
PV10	115.10	300 ePKPc	45 02.95	-0.4	
SRU	116.47	300 ePKP	45 04.58	-1.3	
		ePP	46 04.98		
EMUT	117.05	300 (PKP)	45 06.69	-0.3	
MSU	117.20	298 ePKP	45 06.78	-0.6	
		ePP	46 08.76		
ARUT	117.62	297 ePKP	45 08.63	0.6	
		ePP	46 17.49		
DMN	117.65	77 PKP	45 07.80	-0.7	
DAU	117.67	301 ePKP	45 08.00	-0.3	
KKN	117.88	77 PKP	45 07.80	-1.1	
BW06	117.91	304 ePKP	45 06.71	-1.8	
		ePP	46 17.05		
ARU	117.97	38 ePKP	45 07.00	-0.9	
		e	46 23.00		
KSH	118.09	61 ePKP	45 07.00	-1.9	
GUN	118.38	77 PKP	45 09.40	-0.6	
GSC	118.48	293 ePKP	45 08.97	-0.7	
DUG	118.54	300 ePKP	45 09.87	0.2	
	Z 19s	2.88um		5.9MsZ	
FRU	119.07	57 ePKP	45 10.00	-0.5	
	2.0s	50.00nm			
	Z 20s	2.00um		5.7MsZ	
	E 20s	1.80um			
		e	46 28.00		
SVE	119.13	38 iPKPd	45 09.50	-0.6	
		e	46 30.00		
		e	52 04.00		
		iss	02 52.00		
DAG	119.17	360 ePKP	45 09.50	-0.1	
	0.9s	6.72nm			
HVU	119.37	301 ePKP	45 10.93	-0.3	
PTI	119.70	302 (PKP)	45 11.52	-0.3	
ISA	119.82	292 ePKP	45 12.54	0.4	
	Z 21s	2.58um		5.8MsZ	
HHAI	119.93	303 ePKP	45 12.36	0.1	
BCH	120.66	291 ePKP	45 14.94	1.1	
BONR	120.93	295 ePKP	45 15.39	0.9	
		ePP	46 41.64		
MEMM	121.21	294 (PKP)	45 16.33	1.7	
LRM	121.29	305 ePKPd	45 14.90	0.0	
CMB	122.38	294 ePKP	45 17.50	0.6	
	Z 21s	1.21um		5.5MsZ	
SAO	122.43	292 PKP	45 30.00	13.0X	
	Z 20s	4.13um		6.1MsZ	
CHG	122.49	94 ePKPd	45 17.20	-0.4	
	1.2s	43.36nm			
ARN	122.80	293 ePKPc	45 19.22	1.5	
		e	45 29.44		
LSA	123.19	78 PKP	45 19.30	0.0	
	Z 38s	3.23um		5.7MsZ	
	N 20s	1.47um			
	E 19s	1.66um			
		PP	47 03.00		
ORV	123.90	295 ePdiff	41 44.67	-8.4X	
	Z 19s	2.30um		5.9MsZ	
		iPP	46 58.67		
		eSKS	51 49.67		
		ePKKS	58 38.67		
		eSS	03 42.67		
		eSSS	08 25.67		
		eLQ	17 41.67		
		eLR	23 47.67		
ORV	123.90	295 ePKP	45 20.32	0.5	
		ePP	46 59.99		
NTYM	124.10	293 ePKP	45 20.48	0.3	
LBFM	125.04	297 ePKP	45 21.60	-0.6	
WDC	125.10	295 ePKP	45 28.21	6.2X	
	Z 20s	1.40um		5.6MsZ	
		iPPc	47 15.21		
		eSS	03 59.21		
		eLQ	18 29.21		
		eLR	23 47.21		
WDC	125.10	295 ePKP	45 21.47	-0.6	
NEW	125.26	306 ePKP	45 19.92	-2.3X	
	Z 21s	10.65um		6.5MsZ	
LGPM	125.45	296 ePKPd	45 23.24	0.3	
JBO	125.65	302 PK			

			ePP	47	15.66	
YBH	125.76	297	ePdiff	41	51.52	-9.9X
			ec	44	14.52	
YBH	125.76	297	ePKP	45	05.52	-18.0X
Z	20s		1.30um			5.6MsZ
			ePP	47	19.52	
			eSKS	52	23.52	
			eSKKS	54	17.52	
			iPKKS	59	07.52	
			iSS	04	15.52	
			eLQ	18	48.52	
			eLR	22	56.52	
KMPM	126.08	295	ePKP	45	25.49	1.4
CROR	126.16	301	PKP	45	24.56	0.4
VBEM	126.57	301	PKP	45	25.20	0.2
WTV	126.72	304	PKP	45	23.91	-1.2
SSOR	127.04	300	PKP	45	25.68	-0.2
ASR	127.06	302	PKP	45	25.82	0.0
RES	127.26	341	ePKP	45	25.00	-0.2
	1.0s		9.00nm			
FMW	127.45	303	PKP	45	26.04	-0.6
LON	127.45	303	ePKPd	45	25.86	-0.7
SHW	127.48	302	ePKP	45	26.71	0.0
RMW	127.75	303	ePKP	45	26.18	-0.9
WMQ	127.87	62	PKP	45	27.90	0.5
Z	12s		0.54um			5.5MsZx
KMOR	128.03	301	PKP	45	28.50	0.8
JCW	128.13	304	PKP	45	27.04	-0.7
BMW	128.22	302	ePKP	45	27.95	0.0
GMW	128.39	303	ePKP	45	27.95	-0.3
MCW	128.88	304	ePKP	45	27.07	-2.1
KMI	129.10	90	PKPc	45	30.50	0.0
Z	25s		4.80um			6.1MsZx
YKA	129.44	323	ePKP	45	29.00	-0.7
	1.0s		22.80nm			
QIZ	130.59	102	ePKP	45	34.00	0.8
CTB	131.70	126	ePKPc	45	54.00	18.6X
DAV	132.42	128	ePKP	45	36.00	-0.8
GYA	132.76	92	iPKPd	45	37.00	-0.3
			PP	48	08.00	
			PKS	49	05.00	
CD2	133.03	85	ePKP	45	37.60	0.0
GTA	134.19	72	ePKP	45	38.00	-1.6
Z	20s		1.73um			5.8MsZ
N	15s		0.84um			
LZH	135.61	78	ePKP	45	41.00	-1.5
Z	11s		0.47um			5.5MsZx
E	11s		0.25um			
			sPKP	45	52.00	
GZH	135.67	100	ePKP	45	43.00	0.3
Z	31s		3.35um			5.9MsZx
N	12s		0.68um			
E	14s		1.94um			
			PP	48	20.00	
BAG	136.35	114	ePKP	45	44.00	-0.4
			e	48	20.80	
INK	138.02	330	ePKP	45	34.00	-11.8X
	1.0s		42.00nm			
			pP	45	45.50	
XAN	138.37	84	PKP	45	48.50	0.9
Z	20s		1.21um			5.6MsZ
			PP	48	34.00	
			SS	06	48.00	
SIT	138.44	313	PKP	46	00.00	13.1X
Z	20s		3.68um			6.1MsZ
ZAK	140.06	58	ePKP	45	41.40	-8.6X
	1.5s		52.00nm			
			e	48	48.00	
HON	140.17	251	PKP	46	00.00	8.9X
Z	21s		4.79um			6.2MsZ
WHN	140.65	92	PKP	45	53.00	1.3
Z	18s		2.41um			6.0MsZ
			PKS	49	18.00	
IRK	141.04	55	ePKPc	45	43.80	-8.0X
	1.5s		25.00nm			
			e	45	50.50	
			e	48	48.00	
BTO	141.87</					

TIA	145.36	86	PKPd	45	58.80	-0.9
Z	24s	10.50um				6.5MsZx
N	19s	3.45um				
E	17s	2.79um				
PMR	145.42	320	ePKP	45	57.94	-1.0
Z	21s	3.85um				6.1MsZ
SSE	145.96	96	iPKPd	46	01.00	0.2
Z	12s	0.50um				5.5MsZx
E	10s	0.30um				
BJI	146.10	79	ePKP	46	00.00	-0.8
Z	20s	1.50um				5.8MsZ
N	18s	0.81um				
		ePP	49	20.00		
SLKM	146.13	319	ePKP	46	00.16	-0.1
IMA	146.14	329	iPKPd	45	59.86	-0.4
CIT	146.70	57	ePKP	46	00.50	-1.0
TIK	146.84	18	iPKPd	46	02.50	1.5
	1.8s	264.00nm				
Z	18s	0.80um				5.5MsZ
CRP	146.91	320	ePKP	46	00.72	-1.0
CP2	146.95	320	ePKPc	46	02.17	0.4
GUA	147.57	149	ePKP	46	06.60	2.7X
	1.0s	280.00nm				
GUMO	147.60	148	ePKP	46	06.30	2.4
	1.0s	163.20nm				
PJG	147.60	148	ePKP	46	07.00	3.1X
KDC	147.70	314	ePKP	46	02.45	-0.3
AUP	147.92	317	ePKP	46	02.96	-0.3
TTA	148.19	324	ePKP	46	04.25	0.7
SVW	148.58	321	ePKP	46	04.37	0.2
DL2	149.69	83	PKP	46	07.00	0.5
N	12s	1.00um				
ANM	151.19	331	ePKP	46	13.70	5.7X
SNY	151.99	79	PKP	46	09.10	-0.8
ILT	152.61	344	iPKPd	46	17.00	7.1X
		i	46	23.00		
YAK	152.98	33	iPKPd	46	08.50	-2.1
	1.6s	276.00nm				
		i	46	16.00		
		i	50	02.00		
CN2	153.76	75	PKP	46	11.70	-0.6
Z	20s	0.93um				5.6MsZ
N	16s	0.62um				
E	16s	0.45um				
		PKPab	46	32.00		
		ePP	50	06.00		
TKSJ	156.78	103	PKP	46	15.30	-1.4
MDJ	156.82	74	PKPc	46	16.00	-0.4
YONJ	156.93	100	PKP	46	17.00	0.1
WKYJ	158.00	104	PKP	46	19.50	1.3
VLA	158.27	79	iPKPc	46	17.00	-1.1
	2.0s	159.00nm				
		i	46	52.00		
		i	50	28.00		
MAT	160.98	101	ePKP	46	20.00	-1.3
	1.4s	44.19nm				
YSS	165.91	66	ePKP	46	25.50	0.0
PET	169.46	10	ePKP	46	30.00	2.2
S.D. = 0.9 on 321 of 389 obs.						

SEP	29, 1993	19h 03m	05.71±	0.12s		
6.030	S ± 2.5km	149.348	E ± 3.6km			
DEPTH =	49.7km	(19	depth phases)			
5.7mb (63 obs.)	5.7MsZ	(35 obs.)				
NEW BRITAIN REGION,	P.N.G.	(192)				
Mw 5.9 (GS),	5.9 (HRV).					
FAULT PLANE SOLUTION: P-Waves						
NP1:Strike=	67	Dip=60	Slip=	90		
NP2:	247	30		90		
Principal Axes:						
T		Plg=75	Azm=337			
P		15	157			
Comment: The focal mechanism is						

Best Double Couple: Mo=9.4*10**17
 NP1: Strike=210 Dip=44 Slip= 74
 NP2: 52 48 105
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 27S, 57C
 Centroid Location:
 Origin Time 19:03:11.7 0.5
 Lat 6.22S 0.04 Lon 149.72E 0.06
 Dep 35.6 3.3 Half-duration 2.2
 Moment Tensor; Scale 10**17 Nm
 Mrr= 5.24 0.62 Mtt=-7.20 0.39
 Mff= 1.97 0.75 Mrt= 3.45 0.93
 Mrf= 1.64 0.68 Mtf=-5.11 0.64
 Principal Axes:
 T Val= 6.17 Plg=76 Azm=325
 N 4.24 2 65
 P -10.41 14 156
 Best Double Couple: Mo=8.3*10**17
 NP1: Strike=249 Dip=31 Slip= 95
 NP2: 64 59 87

RAB 3.34 57 iPd- 03 58.00 1.2
 YYYY 3.37 266 eP 04 02.40 5.1X
 MDG 3.63 282 eP 04 05.20 4.3X
 KVG 3.72 23 eP 04 04.50 2.4X
 PMG 4.00 213 iPd 04 09.00 3.0X
 eS 04 53.00
 MNDI 5.66 268 eP 04 40.00 10.3X
 eS 06 00.00
 WWKK 6.19 292 eP 04 40.60 3.7X
 CTA 14.29 192 iPd 06 27.50 0.5
 1.0s 227.50nm 5.7mb
 e 06 36.00
 e 06 41.00
 i 07 00.00
 iS 09 00.00
 i 09 26.00
 QIS 17.26 212 iPd 07 05.40 0.5
 GUA 19.93 347 eP 07 38.70 2.3
 1.3s 2461.54nm 6.4mb
 Z 21s 18.30um 5.7MsZ
 eS 11 23.00
 GUMO 19.99 347 eP 07 38.10 1.1
 1.3s *****nm 7.0mb X
 Z 25s 16.60um 5.9MsZ
 e 07 52.40 69kmX
 PJG 19.99 347 eP 07 38.50 1.5
 WR2 20.09 225 iPc 07 38.70 0.7
 0.9s 561.30nm 5.9mb
 iS 11 16.20
 WRA 20.10 225 P 07 39.00 0.8
 0.9s 94.30nm 5.1mb
 PVC 21.88 124 iPc 07 56.50 0.3
 KNA 22.38 243 iPd 08 03.30 2.1
 DZM 22.96 136 iPd 08 07.20 0.2
 iS 12 11.80
 ASPA 22.99 219 iPc 08 08.60 1.5
 0.9s 430.70nm 5.9mb
 Z 23s 15.00um 5.4MsZ
 iPP 08 20.40 47km
 eS 12 16.40
 eScP 15 34.50
 isScS 19 14.10
 isScS 19 14.90
 ARMA 24.36 175 iPc 08 21.90 1.4
 0.7s 92.00nm 5.4mb
 STK 26.72 195 iPd 08 42.30 -0.1
 1.0s 56.20nm 5.1mb
 eS 13 25.60
 DAV 27.06 298 eP 09 04.00 18.3X
 RIV 27.71 177 eP 08 56.30 4.9X
 BWA 28.27 182 eP 09 08.30 11.8X
 e 09 20.30 47km
 CTB 28.32 297 ePd 09 18.00 20.9X
 CNB 29.14 180 iPd 09 05.00 0.6
 1.0s 150.00nm 5.6mb
 i 09 16.80 45km
 CAN 29.15 181 eP 09 04.50 0.1
 i 09 16.80 48km
 e 15 44.50
 PLP 29.66 305 ePc 09 08.50 -0.7
 ADE 30.42 197 e(P) 09 16.30 0.5
 TOO 31.59 186 iPc 09 26.30 0.3
 i 09 40.00 54km
 FORT 31.71 216 iPd 09 22.40 -4.7X
 0.9s 466.00nm 6.3mb

MBL 32.30 239 iPc 09 32.50 0.2
 0.7s 225.00nm 6.1mb
 GQP 33.24 307 ePd 09 39.00 -1.5X
 TGY 34.57 306 ePd 09 50.00 -2.1X
 QCP 34.75 306 eP 10 10.00 16.5X
 QVP 34.80 306 ePc 09 53.50 -0.5
 MEEK 35.74 232 iPc 10 02.60 0.7
 0.7s 215.00nm 6.2mb
 CVP 35.99 311 ePc 10 04.00 0.0
 BCP 36.14 309 eP 10 06.00 0.5
 BAG 36.16 308 ePc 10 04.00 -1.7X
 0.9s 82.35nm 5.7mb
 COOL 36.21 223 iPc 10 06.20 0.3
 0.8s 164.00nm 6.0mb
 i 10 19.40 50km
 NANU 36.53 240 iPc 10 09.20 0.7
 0.8s 141.00nm 5.9mb
 KLB 38.98 225 iPc 10 29.00 -0.1
 0.7s 201.00nm 6.1mb
 MRWA 39.02 230 iPc 10 30.20 0.7
 0.7s 205.00nm 6.1mb
 BAL 39.20 227 iPc 10 30.40 -0.5
 0.7s 85.00nm 5.7mb
 i 10 44.60 55km
 NWA0 40.10 224 eP 10 38.50 0.2
 0.7s 57.00nm 5.5mb
 Z 20s 5.10um 5.4MsZ
 MUN 40.30 226 iPc 10 40.70 0.8
 0.8s 236.00nm 6.0mb
 KAGJ 41.00 336 P 10 47.70 2.1
 DIW 41.01 151 P 10 46.90 1.2
 PAHZ 41.18 147 eP 10 48.30 1.2
 RKG 41.20 222 iPd 10 49.00 1.7
 1.0s 463.00nm 6.2mb
 THZ 41.30 153 P 10 47.60 -0.5
 PUZ 41.31 145 P 10 47.00 -1.1
 WAHZ 41.41 148 P 10 48.50 -0.5
 TCW 41.50 151 eP 10 49.80 0.2
 KIW 41.54 150 eP 10 49.90 -0.1
 NOZ 41.56 145 eP 10 49.30 -0.8
 MNG 41.64 150 P 10 50.40 -0.4
 e 11 02.30 43km
 MRW 41.72 151 eP 10 51.00 -0.5
 SNZO 41.78 151 P 10 52.00 0.1
 CAW 41.81 151 eP 10 51.50 -0.6
 LTZ 41.84 155 P 10 52.10 -0.4
 e 12 46.50
 PGZ 42.04 149 eP 10 52.60 -1.5
 MTW 42.06 150 P 10 53.60 -0.6
 WKYJ 42.09 343 P 10 56.90 2.3
 MOW 42.13 151 P 10 53.60 -1.3
 BLW 42.20 150 P 10 54.10 -1.3
 KUMJ 42.21 336 P 10 56.80 1.3
 TKSJ 42.35 341 P 10 58.00 1.3
 BWZ 42.35 158 P 10 55.90 -0.6
 IIDJ 42.67 346 P 10 59.80 0.5
 MQZ 42.76 155 P 10 59.20 -0.7
 KAKJ 42.88 349 eP 11 00.00 -1.0
 QZH 42.94 317 eP 11 00.00 -1.6
 0.7s 67.00nm 5.5mb
 Z 28s 8.89um 5.5MsZ
 E 22s 5.32um
 pP 11 20.00 83kmX
 S 17 20.00
 CHJJ 42.97 348 P 11 01.90 0.2
 TSRJ 43.21 344 P 11 04.80 1.1
 SHK 43.31 340 eP 11 05.10 0.6
 SHNJ 43.50 338 P 11 06.50 0.5
 MAT 43.61 347 iPc 11 07.00 0.0
 1.3s 328.85nm 5.9mb
 Z 20s 3.19um 5.2MsZ
 eS 17 30.00
 YONJ 43.64 341 P 11 08.20 1.0
 MTMJ 43.75 347 P 11 08.90 0.8
 NIIJ 44.12 348 P 11 11.90 0.9
 HKC 44.48 310 eP 11 14.30 0.1
 YAMJ 44.82 350 P 11 17.90 1.2
 OFUJ 45.44 352 eP 11 22.60 1.1
 GZH 45.56 311 P 11 23.50 0.8
 SSE 45.69 326 P 11 24.00 0.4
 1.0s 44.00nm 5.3mb
 Z 20s 11.90um 5.8MsZ
 N 18s 4.20um
 E 18s 3.70um
 pP 11 36.50 46km
 sP 11 52.50
 S 18 05.00

QIZ 46.20 304 P 11 27.00 -0.9
 N 15s 0.98um
 E 16s 0.77um
 AOMJ 47.09 351 eP 11 36.40 1.9
 NJ2 47.73 324 Pd 11 40.40 0.7
 1.0s 39.00nm 5.4mb
 N 19s 3.97um
 E 17s 3.20um
 S 18 33.00
 HOOJ 48.50 354 eP 11 46.80 1.4
 MRRJ 48.81 352 eP 11 48.50 0.6
 KUSJ 49.08 356 eP 11 49.90 0.0
 SAP 49.39 352 eP 11 50.00 -2.4X
 eS 19 20.00
 WHN 49.45 319 eP 11 53.50 0.5
 Z 20s 6.21um 5.6MsZ
 ASAJ 50.28 354 P 12 00.30 1.1
 SNG 50.36 284 eP 12 03.90 3.7X
 VLA 51.42 344 iPd 12 09.00 1.2
 2.2s 700.00nm 6.3mb
 Z 13s 0.60um 4.8MsZ
 N 16s 0.60um
 E 13s 1.00um
 i 12 16.00
 iPP 12 22.00 47km
 i 13 25.00
 iS 19 23.00
 DL2 51.56 332 Pd 12 09.00 0.0
 1.0s 220.00nm 6.1mb
 Z 20s 3.69um 5.4MsZ
 N 20s 6.03um
 E 16s 3.15um
 TIA 51.75 327 P 12 10.00 -0.5
 GYA 52.47 310 iPc 12 14.00 -2.2
 1.0s 20.00nm 5.1mb
 Z 26s 2.38um 5.1MsZ
 pP 12 33.80 79kmX
 S 19 40.00
 LOE 52.48 297 eP 12 14.90 -1.4X
 SNY 53.13 336 P 12 20.00 -0.6
 Z 29s 6.17um 5.5MsZ
 pP 12 35.00 56km
 S 19 46.00
 sS 20 13.00
 SS 23 20.00
 YSS 53.14 354 iPc 12 20.00 -0.6
 Z 17s 1.00um 4.9MsZ
 N 16s 1.10um
 E 16s 0.70um
 e 12 33.50 49km
 iS 19 47.00
 NST 53.29 295 eP 12 21.00 -1.2
 MDJ 53.46 343 Pd 12 24.50 1.5
 1.0s 58.00nm 5.6mb
 Z 30s 6.08um 5.5MsZ
 pP 12 37.00 44km
 eS 19 44.00
 CN2 54.10 339 P 12 27.50 -0.2
 1.0s 21.00nm 5.1mb
 Z 22s 1.93um 5.1MsZ
 N 20s 1.68um
 E 20s 1.72um
 KHT 54.40 293 eP 12 29.00 -1.4
 BDT 54.85 296 eP 12 29.00 -4.6X
 KMI 54.88 306 P 12 33.00 -1.1
 1.5s 70.00nm 5.5mb
 Z 18s 1.90um 5.2MsZ
 N 15s 0.80um
 E 15s 1.20um
 eS 20 12.00
 SS 23 50.00
 BJI 55.09 329 eP 12 33.00 -2.1
 1.0s 38.00nm 5.4mb
 Z 24s 5.10um 5.5MsZ
 N 20s 2.44um
 eS 20 04.00
 XAN 55.21 319 P 12 34.00 -2.1
 0.9s 21.00nm 5.2mb
 Z 28s 5.57um 5.5MsZ
 N 20s 2.77um
 E 20s 2.03um
 S 20 10.00
 TIY 55.45 325 eP 12 36.40 -1.4
 Z 24s 10.50um 5.8MsZ
 N 20s 2.76um
 pP 12 52.00 59km
 PP 14 45.00

BLF	115.19	234	ePKP	21	44.50	0.3
	1.0s		40.00nm			
FRS	115.62	233	iPKPc	21	44.20	-0.5
	0.7s		16.00nm			
MIAR	115.63	55	PKP	21	50.00	5.4X
	Z 21s		1.80um			5.7Msz
APO	116.16	337	ePdiff18	01.30		2.7X
	0.5s		0.60nm			
BUL	116.22	244	iPKP	21	41.10	-5.3X
KRI	116.26	248	iPKP	22	01.00	14.5X
HFS	116.51	337	ePKP	21	45.50	0.0
	0.5s		0.70nm			
	Z 18s		0.57um			5.2Msz
			LR	46	53.00	
NB2	116.85	339	PKP	21	46.40	0.2
	0.8s		1.90nm			
SUR	117.95	229	ePKP	22	06.50	17.1X
	1.0s		100.00nm			
LSZ	117.99	249	iPKPc	21	50.00	0.2
			i	22	03.00	
			i	23	03.00	
CER	118.59	227	iPKPd	21	47.50	-2.8
	0.9s		133.00nm			
SPC	119.36	324	ePKP	21	51.80	0.3
POF	120.00	231	iPKPd	21	55.00	1.9
	0.4s		28.00nm			
KSP	120.74	327	ePKPc	21	54.50	0.7
ZST	121.66	324	iPKP	21	56.70	1.0
			e	34	50.00	
			e	35	40.00	
SKO	121.68	316	ePKP	21	56.00	0.1
BRG	121.97	328	iPKPc	21	56.70	0.6
	1.0s		16.00nm			
	Z 20s		2.90um			5.9Msz
	N 20s		1.20um			
	E 20s		1.60um			
			e	22	28.50	
			ePKKP	32	07.70	
			eSKKP	35	53.00	
PRU	122.15	327	PKP	21	57.00	0.5
	0.9s		7.20nm			
	Z 22s		2.10um			5.7Msz
	N 18s		1.20um			
	E 18s		1.20um			
			e	22	06.10	
			i	23	49.60	
CLL	122.20	329	iPKP	21	57.10	0.5
	0.8s		14.00nm			
	Z 20s		2.50um			5.9Msz
			PKKP	32	06.90	
			SKKP	35	43.00	
MYNC	123.04	52	ePKP	21	58.14	-0.6
KHC	123.15	327	ePKP	21	59.50	1.0
	1.0s		8.90nm			
	Z 22s		2.50um			5.8Msz
	N 22s		1.30um			
	E 22s		1.10um			
			e	22	28.00	
			e	23	21.50	
GEC2	123.24	326	PKP	21	59.50	0.7
	0.8s		7.24nm			
			e	22	12.50	
MOX	123.30	329	ePKP	21	59.30	0.6
	1.8s		21.00nm			
			ePKKP	32	03.20	
PTJ	123.49	323	ePKP	22	00.10	0.7
GRF	124.08	328	ePKP	22	00.40	0.1
	Z 20s		2.00um			5.8Msz
VBY	124.11	322	iPKP	22	01.50	1.0
LJU	124.27	323	e(PKP)	21	59.00	-1.8
			e	22	02.00	
VOY	124.66	324	e(PKP)	22	01.90	0.2
PRM	124.73	52	ePKP	22	02.16	0.1
NAV	124.83	48	(pdiff18	42.26		4.4X
BLA	125.15	48	ePKP	22	02.73	-0.1
WIN	125.33	237	iPKPd	22	04.00	0.2
	0.5s		55.00nm			
	Z 18s		10.80um			6.6Msz
JSC	125.53	52	ePKP	22	03.22	-0.4
PEL	125.60	138</				

29d 19h

CDF	126.90	329	ePKP	22 04.90	-1.1
BSF	127.53	329	ePKP	22 06.40	-0.8
	0.9s	12.30nm			
HAU	127.64	329	ePKP	22 06.70	-0.6
	0.9s	11.30nm			
Z	23s	3.10um		5.9MsZx	
LPL	129.04	327	ePKP	22 10.10	-0.2
	0.9s	7.70nm			
LPG	129.04	327	ePKP	22 10.30	-0.1
	0.8s	4.85nm			
PGF	129.51	322	ePKP	22 11.30	0.2
	1.0s	27.60nm			
SSF	129.70	330	ePKP	22 12.10	0.9
	0.9s	11.95nm			
SMF	129.82	329	ePKP	22 12.10	0.7
AVF	129.96	330	ePKP	22 12.10	0.4
FRF	130.30	325	ePKP	22 12.20	-0.2
	0.8s	9.00nm			
BGF	130.38	330	ePKP	22 12.60	0.1
	0.9s	14.60nm			
LMR	130.52	325	ePKP	22 12.70	-0.1
	0.9s	9.15nm			
LRG	130.53	325	ePKP	22 12.30	-0.5
	0.8s	13.95nm			
Z	23s	1.77um		5.7MsZx	
MAF	130.75	330	ePKP	22 13.40	0.2
TCF	130.88	330	ePKP	22 13.70	0.2
	0.8s	13.45nm			
BCAO	131.00	271	ePKPd	22 05.00	-9.7X
	1.0s	75.00nm			
		id	22 14.00		
		id	22 28.00		
LPF	131.13	334	ePKP	22 14.90	1.1
LSF	131.24	331	ePKP	22 14.00	-0.2
ARE	133.83	120	ePKP	22 21.00	0.7
SLA	134.34	133	e(PKP)	22 07.00	-13.9X
MOCB	136.26	129	PKP	22 12.50	-12.5X
LPB	136.71	122	PKP	22 16.00	-9.9X
	1.0s	100.00nm			
		i	22 27.00		
LPZ	136.79	121	PKPd	22 13.50	-12.8X
		i	22 27.30		
CCH	137.93	124	(PKP)	22 30.00	1.9
PAB	139.07	328	ePKP	22 32.00	2.8X
SDV	140.27	83	ePKP	22 26.10	-6.1X
TOV	141.07	82	ePKP	22 28.00	-5.5X
TAF	141.28	322	ePKP	22 38.00	4.7X
SIV	142.78	126	PKP	22 31.80	-4.6X
OLLA	144.00	81	iPKP	22 35.20	-3.4X
TNF	144.61	321	ePKP	22 39.00	0.0
RSTA	144.64	150	iPKPc	22 38.00	-1.3
		e	22 51.50		
AVE	145.32	324	iPKP	22 40.00	-0.2
		i	22 52.50		
		i	23 27.00		
PPD	145.54	145	iPKPc	22 40.70	-0.2
		e	22 54.10		
VAO	147.03	152	ePKP	22 45.00	1.6
		e	22 58.10		
VAO2	147.04	152	ePKP	22 44.00	0.5
		e	22 45.70		
		e	22 59.20		
CIA	147.37	324	iPKP	22 47.50	3.9X
BPA	147.58	68	ePKP	22 43.00	-1.3
PAG	148.01	69	ePKP	22 46.00	0.9
CACB	148.27	151	ePKPc	22 46.20	0.7
		e	22 50.30		
		e	23 00.90		
FDF	148.81	71	ePKP	22 47.00	0.6
TRN	149.24	79	ePKP	22 50.17	3.2X
BAO	152.46	142	iPKPd	22 52.20	0.3
		i	22 59.30		
		i	23 09.00		
		i	23 12.20		
		i	23 17.20		
		i	23 23.00		
		i	23 52.00		
		i	24 50.90		
		i	26 16.30		
KIC	154.24	272	PKP	22 53.42	-0.9
	1.3s	42.50nm			
TIC	154.52	273	PKP	22 53.32	-1.4
	0.9s	7.50nm			
LIC	154.52	272	PKP	22 53.82	-0.8
	1.3s	32.00nm			
Z	21s	1.75um		5.9MsZ	
SOB1	161.74	146	ePKP	22 56.40	-6.7X

		e	23 03.70	
		S.D. = 1.0	on 214 of 270 obs.	

* SEP 29, 1993		19h 29m 40.11± 1.23s		
		18.128 N ±18.3km	67.803 W ± 8.3km	
		DEPTH = 10.0km	(geophysicist)	
		MONA PASSAGE	(89)	

MGP	0.69	100 P	29 53.70	0.0
MCP	0.72	66 P	29 54.40	0.1
APR	1.07	72 P	30 00.00	-0.2
PORP	1.11	94 P	30 00.50	-0.5
CLLP	1.17	92 P	30 01.20	-0.7
SJG	1.57	90 P	30 08.60	0.5
CPD	1.80	93 P	30 12.00	0.6
LPR	1.85	84 P	30 12.40	0.3
UYO	28.65	309 iPc	35 38.90	-0.2
		S.D. = 0.5	on 9 of 9 obs.	

% SEP 29, 1993		20h 27m 16.74± 0.95s		
		33.229 S ±10.6km	70.295 W ±15.2km	
		DEPTH = 90.0km	(geophysicist)	
		CHILE-ARGENTINA BORDER REGION	(127)	
		MD 3.4 (SAN).		

FCH	0.10	178 iP	27 30.05	-0.2
		iS	27 41.09	
PEL	0.34	284 iP	27 30.96	0.3
		iS	27 42.77	
SAN	0.38	234 eP	27 30.35	-0.5
		iS	27 43.30	
PCH	0.43	205 iP	27 31.75	0.5
		iS	27 44.13	
JACH	0.60	335 iP	27 32.55	-0.1
		iS	27 46.12	
ROCH	0.65	293 iP	27 33.43	0.1
		iS	27 47.25	
TACH	0.68	232 iP	27 33.35	0.0
		iS	27 47.42	
LCCH	1.10	257 iP	27 37.79	0.0
		iS	27 54.61	
LNv	1.18	232 iP	27 38.74	-0.1
		iS	27 56.39	
		S.D. = 0.3	on 9 of 9 obs.	

* SEP 29, 1993		20h 50m 22.66± 2.46s		
		31.431 S ±31.0km	69.919 W ±17.4km	
		DEPTH = 130.0km	(geophysicist)	
		SAN JUAN PROVINCE, ARGENTINA	(137)	
		MD 3.5 (SAN).		

JACH	1.37	204 iP	50 50.28	0.5
		iS	51 09.22	
CFA	1.45	97 ePc	50 51.10	0.6
		S	51 10.00	
ROCH	1.79	211 iP	50 54.93	0.1
		iS	51 16.81	
PEL	1.83	201 iP	50 54.93	-0.1
		iS	51 17.14	
FCH	1.92	189 iP	50 56.99	0.6
		iS	51 20.33	
PCH	2.24	193 iP	51 00.51	0.3
		iS	51 27.46	
TACH	2.38	201 iP	51 01.41	-0.4
		iS	51 29.17	
LCCH	2.47	214 iP	51 03.03	0.0
LNv	2.81	206 iP	51 06.42	-1.0
		iS	51 37.67	
MRA	3.71	106 ePc	51 19.00	-0.3
		S	51 58.40	
TCA	4.56	90 iP	51 30.50	-0.3
		S.D. = 0.6	on 11 of 11 obs.	

? SEP 29, 1993		21h 56m 24.66± 8.77s		
		45.287 S ±22.4km	165.853 E ±68.3km	
		DEPTH = 10.0km	(geophysicist)	
		OFF W. COAST OF S. ISLAND, N.Z. (161)		
		ML 3.8 (WEL).		

TLC	2.28	89 P	57 02.90	-0.1
MMCZ	2.34	84 P	57 04.10	0.3
CMCZ	2.42	88 eP	57 05.30	0.3
MHZ	2.43	86 P	57 05.50	0.3
SBCZ	2.45	87 P	57 05.70	0.3
LRCZ	2.48	86 P	57 06.20	0.3
LSCZ	2.49	87 P	57 06.10	0.2
MSCZ	2.52	87 eP	57 06.80	0.4

TUZ	2.73	105 P	57 09.30	-0.1
BWZ	2.96	77 P	57 12.60	0.1
ODZ	3.40	88 P	57 17.60	-1.2
WVZ	4.15	60 eP	57 30.30	0.9
MQZ	5.11	74 eP	57 41.80	-1.3
LTZ	5.26	64 eP	57 44.90	-0.3
DSZ	5.59	53 P	57 49.90	0.0
QRZ	6.61	50 P	58 04.10	-0.2
		S.D. = 0.6	on 16 of 16 obs.	

SEP 29, 1993		22h 25m 48.62± 0.10s		
		18.066 N ± 2.7km	76.451 E ± 1.9km	
		DEPTH = 6.8km	(geophysicist)	
		6.3mb (203 obs.)	6.2MsZ (59 obs.)	
		SOUTHERN INDIA	(314)	

		Mw 6.2 (GS), 6.2 (HRV).		
		Mo=3.1*10**18 Nm (PPT). Nine		
		thousand seven hundred		
		forty-eight people killed, about		
		30,000 injured and extreme		
		devastation in the		
		Latur-Osmanabad area. Nearly all		
		buildings were destroyed in the		
		village of Khillari. Felt in		
		large parts of central and		
		southern India, including		
		Bangalore, Bombay, Hyderabad and		
		Madras. Depth from broadband		
		displacement seismograms.		
		FAULT PLANE SOLUTION: P-Waves		
		NP1:Strike=300 Dip=68 Slip= 90		
		NP2: 120 22 90		
		Principal Axes:		
		T Plg=67 Azm=210		
		P 23 30		
		Comment: The focal mechanism is		
		poorly controlled and		
		corresponds to reverse		
		faulting. The preferred fault		
		plane is NP2.		
		RADIATED ENERGY		
		No. of sta: 15 Focal mech. F		
		Energy 3.7±0.9*10**13 Nm		
		MOMENT TENSOR SOLUTION		
		Dep 5 No. of sta: 7		
		Moment Tensor; Scale 10**18 Nm		
		Mrr=-1.88 Mtt=-1.38		
		Mff=-0.50 Mrt=-0.24		
		Mrf=0.08 Mtf=0.82		
		Principal axes:		
		T Val= 1.90 Plg=86 Azm=188		
		N -0.01 2 301		
		P -1.89 4 31		
		Best Double Couple:Mo=1.9*10**18		
		NP1:Strike=123 Dip=41 Slip= 92		
		NP2: 299 49 88		
		CENTROID, MOMENT TENSOR (HRV)		
		Data Used: GDSN		
		L.P.B.: 44S, **C M.W.: 32S, 48C		
		Centroid Location:		
		Origin Time 22:25:52.0 0.1		
		Lat 18.11N 0.01 Lon 76.55E 0.01		
		Dep 15.0 BDY Half-duration 3.1		
		Moment Tensor; Scale 10**18 Nm		
		Mrr= 2.10 0.02 Mtt=-1.63 0.02		
		Mff=-0.47 0.02 Mrt=-0.31 0.09		
		Mrf=-0.55 0.08 Mtf= 0.93 0.02		
		Principal Axes:		
		T Val= 2.28 Plg=74 Azm=119		
		N -0.14 16 299		
		P -2.14 0 29		
		Best Double Couple:Mo=2.2*10**18		
		NP1:Strike=134 Dip=47 Slip= 112		
		NP2: 284 47 68		

HYB	2.10	108 iPgc	26 23.70	-1.1
		i	26 48.00	
POO	2.51	281 P	26 33.20	2.6X
BOM	3.55	284 P	26 47.00	1.7
GBA	4.54	168 P	26 57.00	-2.3
VIS	6.53	92 P	27 28.70	1.1
KOD	7.85	173 iP	27 44.00	-2.3
		ePP	27 52.00	
		ePPP	27 59.00	
		LQ	28 50.00	
		LR	29 09.00	
		SSS	29 25.00	

AJM	8.39	347 P	27	54.00	0.4
NDI	10.59	4 iPd	28	20.00	-3.9X
		eS	30	15.00	
DMN	12.40	38 Pd	28	44.50	-4.2X
KKN	12.64	38 Pd	28	47.38	-4.5X
GUN	13.08	40 Pd	28	53.10	-4.9X
SHL	16.15	60 P	29	33.30	-4.7X
		S	32	19.60	
LSA	17.72	46 iPd	29	55.80	-2.3
	1.2s	700.00nm			5.7mb
E	10s	43.70um			
		pP	30	02.00	
		sP	30	08.50	
KSH	21.32	359 iPc	30	39.60	1.1
	1.0s	520.00nm			5.9mb
Z	10s	49.50um			6.2MszX
		pP	30	43.00	12kmX
CHG	21.35	84 iPc	30	38.40	-0.4
	1.0s	150.00nm			5.3mb
		eS	34	31.90	
KHT	21.48	95 iPc	30	39.80	-0.4
NST	22.78	92 iPc	30	53.50	0.4
MAIO	23.54	324 iPc	31	03.70	3.2X
	1.7s	451.22nm			5.8mb
		eS	35	36.00	
LOE	24.08	88 iPd	31	12.50	6.7X
PCT	24.18	94 iPd	31	07.90	1.3
	1.1s	28.70nm			4.8mb X
SHI	24.68	302 iPc	31	15.00	3.3X
FRU	24.74	357 iPc	31	15.00	3.0X
	Z 18s	182.00um			6.6Msz
	N 18s	159.00um			
		eS	35	32.00	
		eSS	36	22.00	
		eSSS	36	45.00	
TLG	25.13	2 eP	31	17.00	1.2
	1.3s	1250.00nm			6.5mb
		i	31	56.00	
		iS	35	44.00	
		iSS	36	58.00	
ASH	25.36	325 P+	31	20.00	2.1
	2.3s	5230.00nm			6.8mb
		i	31	55.00	
		PPP	32	11.00	
		S	35	43.00	
		iSS	36	50.00	
KMI	25.40	69 iPc	31	20.00	1.3
	1.0s	2000.00nm			6.8mb
	Z 20s	71.60um			6.2Msz
	N 14s	50.00um			
	E 14s	28.10um			
		S	35	40.00	
		iS	35	46.00	
DHR	25.67	293 iPc	31	23.30	2.4
		iS	35	54.00	
SNG	25.91	112 iPc	31	24.00	0.8
	1.0s	830.00nm			6.4mb
		eS	36	08.00	
WMQ	27.37	18 iPc	31	38.00	1.5
	E 14s	50.10um			
		S	36	13.00	
CD2	27.86	58 iPc	31	40.60	-0.5
	1.4s	1740.00nm			6.7mb
Z	14s	37.20um			6.1MszX
E	14s	51.80um			
		iPP	32	30.00	
		PcP	34	58.00	
		iS	36	17.60	
TEH	28.32	313 eP	31	49.00	3.7X
RYD	28.52	289 iPc	31	48.80	1.7
		iS	36	40.00	
GYA	29.13	68 iPc	31	52.60	0.0
	1.2s	980.00nm			6.5mb
Z	22s	38.20um			6.0Msz
N	15s	40.20um			
E	15s	24.40um			
		PcP	34	57.00	
		S	36	38.00	
GTA	29.37	39 iPc	31	54.50	-0.2
	2.0s	290.00nm			5.7mb
Z	14s	40.70um			6.2MszX
N	15s	64.70um			
		PP	32	43.00	
LZH	30.13	48 iPc	32	01.40	-0.2
	2.0s	580.00nm			6.1mb
Z	12s	59.00um			6.4MszX
E	12s	39.90um			

			sP	32	09.00	
			S	36	58.00	
KMSA	30.24	280	iPc	32	03.00	0.4
KER	30.77	308	eP	32	08.50	1.3
DHJN	31.35	274	iPc	32	13.40	0.7
QASM	31.47	291	iPc	32	14.70	1.4
AFIF	31.57	287	iPc	32	18.40	4.1X
QIZ	31.65	83	Pc	32	14.70	-0.2
	1.0s	170.00nm			5.9mb	
N	18s	24.40um				
E	15s	7.11um				
		S		37	19.00	
BAK	31.90	320	iPc	32	22.00	5.1X
		iS		37	36.00	
ABHA	32.00	276	iPc	32	22.00	3.7X
UQSK	32.47	290	iPc	32	25.00	2.8X
TAB	33.00	313	iP+	32	28.00	1.3
XAN	33.05	55	iPc	32	26.50	-0.5
	1.2s	530.00nm			6.3mb	
Z	20s	23.60um			5.9Msz	
N	10s	16.10um				
E	12s	8.30um				
		S		37	44.00	
ARO	33.10	263	eP+	32	30.00	2.4
GZH	34.84	75	iPc	32	42.00	-0.5
	1.5s	200.00nm			5.8mb	
Z	14s	19.50um			6.0MszX	
N	12s	31.00um				
		iS		38	12.00	
MAK	34.95	322	iP+	32	46.00	2.7X
		e		34	02.00	
		eS		38	14.00	
		eSS		40	20.00	
ERE	35.26	315	iP+	32	48.00	1.8
		i		34	06.00	
		iS		38	25.00	
HKC	35.59	77	iP	32	48.80	-0.2
		S		38	24.00	
MTA	35.83	318	iPc	32	53.60	2.8X
	0.8s	860.00nm			6.7mb	
N	16s	5.00um				
E	16s	8.00um				
		e		34	12.00	
		ePPP		34	34.00	
		iS		38	34.20	
		eSS		40	50.00	
GRO	36.18	321	iPc+	32	57.00	3.2X
	1.0s	770.00nm			6.5mb	
Z	12s	45.00um			6.5MszX	
N	16s	50.00um				
E	22s	48.00um				
		iPPP		34	38.00	
WHN	36.53	63	iPc	32	57.00	0.1
	1.2s	770.00nm			6.4mb	
Z	20s	29.80um			6.1Msz	
BTO	36.55	45	iPd	32	57.00	0.0
	1.2s	550.00nm			6.2mb	
N	12s	11.30um				
E	13s	5.39um				
		PP		34	19.00	
		S		38	33.00	
TIY	37.04	51	iPc	33	01.00	-0.1
	1.6s	1170.00nm			6.4mb	
Z	20s	37.40um			6.2Msz	
N	14s	33.10um				
AAE	37.66	261	iP	33	10.70	3.9X
HHC	37.70	46	Pc	33	07.80	1.1
	1.2s	630.00nm			6.2mb	
Z	18s	62.90um			6.5Msz	
N	12s	25.50um				
E	12s	38.30um				
		PP		34	31.00	
		S		38	55.50	
WAJH	37.71	290	iPc	33	10.00	3.2X
PYA	38.15	320	iPc	33	12.00	1.7
	1.3s	600.00nm			6.2mb	
		i		34	44.00	
		ePPP		35	01.00	
		iS		39	06.00	
ZAK	38.72	28	iPc	33	16.00	1.1
	1.6s	518.00nm			6.0mb	
Z	17s	55.04um			6.4MszX	
N	17s	17.64um				
E	17s	32.67um				
		e		34	50.00	
		e		41	49.00	
MASJ	39.14	298	Pc	33	22.00	3.1X

SALJ	39.22	299	P	33	24.00	4.5X
DHLJ	39.26	297	Pc	33	23.60	3.9X
GAZ	39.29	307	iP	33	22.10	2.2
KSHT	39.30	300	eP	33	23.80	3.7X
SDOM	39.31	297	iPc	33	24.00	3.9X
DSI	39.40	298	iPc	33	24.20	3.3X
HRI	39.43	301	iPc	33	24.60	3.3X
LEM	39.47	126	ePc	33	19.00	-2.9
MBH	39.55	295	eP	33	25.00	2.7X
BHL	39.64	302	Pc	33	24.00	1.0
			PP	34	56.00	
			S	39	20.00	
BGIO	39.67	298	iPc	33	26.70	3.4X
QZH	39.68	73	Pc	33	24.00	0.7
	1.0s	170.00nm				5.7mb
Z	16s	17.80um				6.0MszX
N	13s	28.10um				
MAMI	39.76	299	iPc	33	27.20	3.3X
ZNT	39.81	299	eP	33	27.80	3.5X
SOC	40.02	317	iPc+	33	28.00	2.1
	3.5s	1170.00nm				6.0mb X
Z	20s	15.00um				5.8Msz
N	20s	13.00um				
E	18s	7.50um				
		eS	39	22.00		
TIA	40.11	55	Pc	33	27.30	0.5
	1.3s	750.00nm				6.2mb
Z	18s	21.10um				6.0Msz
N	11s	10.90um				
E	11s	8.72um				
SVE	40.46	347	iPc+	33	31.30	2.0
	1.3s	1320.00nm				6.5mb
Z	18s	47.50um				6.4Msz
N	18s	43.50um				
E	18s	23.50um				
		e	35	07.00		
		e	42	36.00		
IRK	40.54	26	eP+	33	30.00	0.0
	1.6s	310.00nm				5.8mb
Z	16s	44.02um				6.4MszX
N	16s	31.56um				
E	16s	29.52um				
		e	35	12.00		
		eS	39	40.00		
ARU	40.57	345	ePc+	33	31.50	1.3
	1.3s	1000.00nm				6.4mb
Z	16s	47.50um				6.4MszX
N	15s	40.50um				
E	14s	42.00um				
		e	35	06.50		
		e	35	42.00		
NJ2	40.60	62	Pc	33	31.00	0.2
	1.0s	320.00nm				6.0mb
N	17s	49.00um				
E	11s	6.19um				
		PP	35	05.00		
		S	39	37.00		
BJI	40.60	49	Pc	33	31.50	0.8
	1.6s	540.00nm				6.0mb
N	12s	21.70um				
FAM	41.21	303	eP	33	38.30	2.5
KVT	41.46	312	iP	33	40.00	2.2
CSS	41.74	303	eP	33	42.00	1.8
BAG	42.11	85	ePc+	33	44.00	0.5
	1.1s	301.27nm				5.9mb
		e	39	48.00		
BCP	42.13	85	eP	33	45.00	1.2
ANN	42.16	318	iPc+	33	44.00	0.6
	1.2s	160.00nm				5.6mb
		e	35	22.00		
		i	35	31.00		
		iS	40	05.00		
SSE	42.43	63	iPc	33	45.00	-0.8
	1.3s	570.00nm				6.1mb
Z	20s	37.00um				6.3Msz
N	13s	16.40um				
E	13s	4.20um				
		iS	40	06.00		
PPCY	42.52	302	eP	33	49.00	2.5X
HLW	42.62	295	eP	33	50.00	2.6X
		e	35	12.00		
		e	35	36.00		
		e	40	18.00		
QVP	42.81	88	ePd	33	50.00	0.9
TGY	42.85	89	iPd	33	50.00	0.5
PGP	42.99	89	ePc	33	50.00	-0.6
KAS	43.17	312	iPc	33	54.30	2.4

BZK	43.21	313	eP	33	54.10	2.1	BUC1	49.49	313	ePd	34	46.00	4.3X	LACI	53.48	309	eP	35	10.50	-1.4	
NAI	43.49	248	iPc	33	55.50	0.6	BUC1	49.49	313	ePc	34	48.00	6.3X	VLO	53.49	307	iP	35	10.70	-1.2	
	1.0s	7242.00nm			7.4mb	X	PVL	49.69	312	iPc	34	44.00	0.7	IVA	53.53	310	iPc	35	11.72	-0.6	
Z	24s	8.22um			5.6MszX		RZN	49.80	310	iPc	34	44.00	-0.4	SDA	53.70	309	iPd	35	13.00	-0.4	
		iS		40	22.00		MLR	49.86	315	iPc	34	46.00	1.3	ULC	53.87	309	iPc	35	12.14	-2.6	
		iSS		43	52.00		PLD	49.89	310	iP	34	45.00	0.2	TTG	53.93	310	iPc	35	13.91	-1.2	
		iLQ		45	10.00		ATH	49.90	305	iPc	34	46.00	1.0	PLE	53.97	311	iPc	35	15.72	0.2	
SIM	44.24	317	iP	34	02.00	1.6		ePP		36	47.20		NKY	54.17	310	iPc	35	16.28	-0.8		
		i		35	44.00			eS		42	00.00		BDV	54.22	309	iPc	35	15.22	-2.1		
		iS		40	36.00		PTT	49.99	317	eP	34	42.00	-3.5X	HCY	54.49	310	iPc	35	17.45	-1.8	
DL2	44.27	52	Pc	34	00.00	-0.7	OUR	50.08	308	eP	34	47.12	0.8	PSZ	54.50	316	iPc	35	19.30	-0.1	
	1.5s	1150.00nm			6.5mb		VLI	50.36	303	eP	34	47.70	-0.8	BRY	54.52	310	iPc	35	18.78	-0.9	
Z	16s	22.40um			6.2MszX		PGB	50.38	311	iPc	34	49.00	0.4	SPC	54.57	318	iPc	35	20.10	0.1	
N	13s	10.70um					MTUR	50.39	314	iPc	34	50.00	1.3	LCI	54.64	307	P	35	18.54	-1.9	
E	13s	52.20um					CMP	50.41	314	iPc	35	03.00	14.2X		0.9s	466.90nm			6.5mb		
		PP		35	44.00		MMB	50.50	309	iPc	34	49.00	-0.6	BUD	54.98	316	eP	35	22.00	-0.8	
GQP	44.33	88	ePc	34	01.00	-0.4	SRS	50.51	309	eP	34	49.96	0.3	OJC	55.10	319	iPd	35	23.50	-0.2	
BCK	44.45	305	iP	34	02.90	0.6	SOH	50.64	308	eP	34	51.00	0.4		1.4s	334.00nm			6.2mb		
CIT	44.68	32	iP	34	04.50	0.6	DRA	50.80	313	ePd	34	53.00	1.3	Z	14s	5.20um			5.8MszX		
	Z	15s			47.16um	6.5MszX	THE	50.90	308	eP	34	52.88	0.4		i		35	29.00			
	N	16s			17.48um			eS		42	12.10			i		37	31.00				
	E	16s			16.54um		KKB	51.03	310	iPc	34	53.00	-0.5		iS		43	04.20			
ELL	44.83	304	iP	34	07.00	1.5	KNT	51.04	309	iP	34	53.88	0.3	BRT	55.26	308	P	35	25.01	0.0	
ALT	45.19	307	iP	34	09.60	1.4	VTs	51.08	310	iPc	34	54.00	-0.1		1.2s	1296.40nm			6.8mb		
GPA	45.35	309	iP	34	10.00	0.6	AGG	51.13	306	eP	34	53.20	-1.1	SRO	55.52	316	iPc	35	28.00	1.3	
KHL	45.47	306	iP	34	11.90	1.5	LIT	51.17	307	eP	34	54.08	-0.5		1.4s	445.00nm			6.3mb		
EYL	45.54	310	iP	34	11.90	0.9	GRG	51.37	308	eP	34	56.24	0.1			iPcP	36	28.10			
HRT	45.97	310	iP	34	14.00	-0.3	MDJ	51.44	47	iPc	34	56.50	-0.1			i(S)	43	07.60			
ICK	46.43	305	iPc	34	19.00	1.1		1.0s	290.00nm			6.2mb	GRI	55.69	305	P	35	28.43	0.3		
ISK	46.47	310	iP	34	18.40	0.2		Z	15s	28.70um		6.4MszX		0.6s	124.20nm			6.1mb			
SNY	46.49	49	iPc	34	17.70	-0.6		N	12s	13.40um			ORI	55.76	306	P	35	29.11	0.5		
	1.6s	430.00nm			6.3mb			E	12s	6.29um				1.2s	804.40nm			6.6mb			
	Z	12s			20.10um	6.3MszX				PcP	36	10.50	SOI	55.93	304	P	35	30.54	0.7		
	N	10s			7.01um		KZN	51.74	307	iPc	34	58.30	-0.8		1.7s	404.70nm			6.2mb		
	E	12s			11.80um		MNK	51.78	325	eP	35	00.00	1.0	NUR	56.02	332	iP	35	29.30	-0.8	
		PcP		35	50.00			1.2s	762.00nm			6.5mb		Z	24s	23.00um			6.2MszX		
		PP		36	10.00				eS		42	20.00			ePP		37	39.00			
		S		41	00.00				eSS		46	00.00			e		38	56.00			
		ScS		44	05.00		GZR	51.99	314	ePd	35	00.00	-0.8		eS		43	13.00			
ITU	46.52	310	iPc	34	22.50	4.0X	DEV	52.02	315	iPd	35	02.50	1.5	KAF	56.03	334	iP	35	29.90	-0.3	
MAP	46.61	93	ePc	34	22.00	2.4X	BMR	52.08	317	ePc	35	04.00	2.6X	HVAR	56.08	310	iPc	35	29.70	-1.1	
CTT	46.96	310	iP	34	21.80	-0.2	FNA	52.11	308	eP	35	01.40	-0.4	GMB	56.09	304	P	35	31.71	0.5	
BNT	47.14	309	iP	34	24.40	0.9	SKO	52.26	309	iPc	35	01.90	-0.9		1.2s	292.60nm			6.2mb		
EDC	47.18	309	iP	34	24.70	0.9		1.2s	270.00nm			6.1mb	MSI	56.33	304	P	35	33.79	1.1		
IZM	47.22	306	eP	34	25.90	1.7	Z	17s	6.61um			5.7MszX		0.5s	152.50nm			6.3mb			
PLP	47.35	91	ePd	34	25.00	-0.5			iPcP	36	11.00		ZST	56.39	316	iPc	35	32.30	-0.7		
DMK	47.61	311	iP	34	27.50	0.3			iPSP	42	15.00			1.0s	1450.00nm			7.0mb			
MOS	47.67	331	iPc	34	18.00	-9.5X			iS		42	40.00				iPcP	36	29.40			
	2.0s	136.00nm			5.7mb		LVV	52.36	320	iP	35	03.00	-0.5			i		37	12.30		
	Z	20s			38.00um	6.4Msz			i		36	15.00		ATN	56.40	304	P	35	33.61	0.3	
	N	19s			36.00um				i		37	09.00			1.3s	273.20nm			6.1mb		
	E	19s			42.00um		SHK	52.37	60	ePc	35	02.60	-1.2	MGR	56.45	307	P	35	33.06	-0.5	
		e		36	17.00		VLS	52.38	305	eP	35	03.00	-0.8		1.1s	598.70nm			6.5mb		
		ePPP		37	02.00		OHR	52.59	308	iPc	35	04.40	-1.0	SOP	56.66	316	iPd	35	34.60	-0.3	
		ePS		41	14.00			1.4s	680.00nm			6.4mb	GIO	56.66	303	P	35	36.70	1.6		
		ePPS		41	33.00				i		35	11.20		SGO	56.67	307	P	35	34.65	-0.5	
CTB	47.70	97	iPc	34	30.00	1.8	LSK	52.61	307	iPc	35	04.60	-1.0		1.3s	434.40nm			6.3mb		
MFT	47.71	309	iP	34	26.90	-1.2	IGT	52.73	306	eP	35	05.20	-1.2	ZAG	56.75	313	iPc	35	35.80	0.2	
OBN	47.78	330	iPc	34	29.31	1.0	CEI	52.76	317	eP	35	15.00	8.5X	PTJ	56.78	313	iP	35	34.70	-1.3	
	1.3s	1426.87nm			6.9mb		BZS	52.84	314	iPd	34	59.00	-8.1X	MEU	56.78	303	P	35	37.29	1.1	
		ePP		36	23.96		PHP	52.95	309	iPd	35	05.90	-2.1		1.0s	93.30nm			5.8mb		
		S		41	24.49		SRN	53.03	307	eP	35	07.30	-1.3	PZI	56.79	303	P	35	36.13	0.0	
PSN	47.81	313	iP	34	29.00	0.2	UZH	53.11	318	iPc+	35	09.50	0.4		1.2s	466.50nm			6.4mb		
NPS	48.03	301	iPc	34	32.90	2.3		1.2s	420.00nm			6.3mb	VKA	56.92	316	iPc	35	36.40	-0.4		
PRK	48.14	307	iPc	34	32.90	1.5			i		36	17.00			3.5s	2220.00nm			6.6mb	X	
EZN	48.22	308	iP	34	32.70	0.7	KEK	53.16	306	eP	35	09.00	-0.6	Z	21s	9.40um			5.9Msz		
CFR	48.28	315	eP	34	33.00	0.7	PUL	53.17	333	eP+	35	09.50	0.2			i		35	41.60		
CN2	48.35	47	Pc	34	32.50	-0.5		1.4s	650.00nm			6.4mb	MAJO	56.96	58	iPc	35	35.92	-1.4		
	1.0s	280.00nm			6.3mb			Z	16s	20.00um		6.3MszX			e		35	53.06			
	Z	14s			13.80um	6.1MszX		N	17s	8.40um			MAT	56.96	58	eP	35	36.00	-1.3		
	N	14s			19.80um			E	16s	19.00um				1.5s	222.22nm			6.0mb			
	E	14s			4.16um					e		36	18.00	Z	20s	14.18um			6.1Msz		
		eSP		34	44.00					eS		42	38.00			eS		43	30.00		
KIS	48.41	318	iP+	34	34.00	0.7				eSS		46	22.00	MNO	57.00	304	P	35	39.20	1.4	
	Z	17s			22.00um	6.2MszX				iPS		42	46.00		1.3s	901.20nm			6.6mb		
		i		35	59.00					i		37	11.00		VBY	57.21	313	iPc	35	38.40	-0.5
		i		36	25.00					ePPP		38	14.00			iPcP	36	33.40			
		iS		41	35.00					iS		42	36.00			iPc+	35	37.30	-2.0		
JMB	48.62	311	iP	34	36.00	1.0				iPS		42	46.00				e		36	27.00	
ALN	48.65	309	iP	34	36.29	1.0															
DAV	49.03	96	ePc-	34	39.50	0.9	TIR	53.32	308	iPc	35	10.00	-0.8		1.3s	688.00nm			6.5mb		
	1.1s	708.86nm			6.																

			ePS	43	46.00	
DUI	57.39	308 P		35	39.43	-0.9
	1.1s	153.80nm				5.9mb
KSP	57.42	319 iPc		35	40.20	-0.1
	1.3s	324.00nm				6.2mb
		i		36	44.60	
GIB	57.53	304 P		35	41.47	0.1
	1.3s	485.30nm				6.4mb
MBL	57.67	131 iPc		35	41.70	-0.7
	1.0s	206.00nm				6.1mb
KRI	57.69	236 iP		35	51.00	8.3X
LJU	57.79	313 ePc		35	42.30	-0.6
FAI	57.79	303 P		35	44.79	1.7
	1.0s	193.30nm				6.1mb
RIY	57.80	313 iPc		35	41.30	-1.7
SDI	57.88	308 P		35	42.49	-1.2
	1.3s	187.10nm				6.0mb
LSZ	57.96	238 iPd		35	43.60	-1.0
		i		36	36.00	
BCAO	58.17	264 iPc		35	44.50	-1.5
	0.9s	180.00nm				6.1mb
		ic		37	54.50	
USI	58.22	305 P		35	46.20	0.2
	0.9s	360.90nm				6.4mb
VOY	58.23	313 iPc		35	44.80	-1.3
		ePcP		36	36.50	
AQU	58.23	309 P		35	45.79	-0.4
	1.4s	1694.80nm				6.9mb
TRI	58.28	313 eP		35	44.90	-1.5
		ePcP		36	37.20	
		ePP		37	56.00	
		ePPP		39	24.00	
		eS		43	40.00	
		eSS		47	48.00	
		eSSS		50	24.00	
KMR	58.33	316 iP+		35	46.50	-0.2
PRU	58.36	318 iPc		35	46.40	-0.5
	1.2s	528.00nm				6.5mb
		PcP		36	37.60	
		eS		43	45.00	
		ScS		45	36.60	
		eSS		47	37.00	
		P'P'		05	37.00	
CVT	58.50	303 P		35	48.11	0.1
	0.9s	438.80nm				6.5mb
ARV	58.65	310 P		35	48.29	-0.8
	1.3s	1308.50nm				6.9mb
SDF	58.66	340 iP		35	48.30	-0.4
RDP	58.70	308 P		35	48.29	-1.2
	1.1s	541.60nm				6.6mb
RMP	58.72	308 P		35	48.43	-1.1
	1.1s	436.00nm				6.5mb
GEC2	58.72	317 e(P)		35	49.00	-0.6
	0.9s	185.50nm				6.2mb
KBA	58.73	315 iPc		35	48.10	-1.6
	1.0s	184.00nm				6.1mb
		iPp		36	00.40	43kmX
		iPcP		36	39.40	
		i		36	52.40	
		iPP		38	07.40	
MNS	58.77	309 P		35	48.38	-1.5
	1.3s	538.10nm				6.5mb
ASS	58.83	310 P		35	49.02	-1.3
	1.3s	137.90nm				5.9mb
KHC	58.85	317 iPc		35	49.90	-0.5
	1.0s	80.30nm				5.8mb
Z	18s	13.20um				6.1MsZ
N	16s	5.70um				
E	16s	8.80um				
		e		35	54.40	
		e		36	22.00	
		ePcP		36	39.50	
		e		37	22.50	
		eS		43	44.00	
		eScS		45	44.00	
		P'P'		05	35.50	
BRG	58.89	319 iPc		35	51.30	0.8
	1.4s	560.00nm				6.5mb
Z	16s	13.00um				6.1MsZ
N	22s	31.00um				
E	22s	6.20um				
		i		36	01.80	
		iPcP		36	40.00	
		iS		43	59.00	
		iScS		45	42.00	
		eP'P'		05	36.00	
UPP	59.03	330 iPc		35	50.90	-0.4

			i	35	53.90	
			iS	43	56.00	
RSM	59.04	311 P		35	51.75	0.1
	1.3s	2019.80nm				7.1mb
FVI	59.06	314 P		35	50.56	-1.2
	1.1s	310.50nm				6.4mb
BHG	59.12	315 iPc		35	51.30	-1.0
	1.2s	437.00nm				6.5mb
PTS	59.13	302 P		35	53.38	0.9
	1.4s	1056.10nm				6.8mb
BSD	59.15	324 iPc		35	51.50	-0.8
	1.0s	484.00nm				6.6mb
WET	59.30	317 iPc		35	52.80	-0.7
	1.5s	250.00nm				6.1mb
Z	16s	10.00um				6.0MsZ
CRE	59.38	310 P		35	53.20	-1.0
	1.2s	219.30nm				6.2mb
SFI	59.47	311 P		35	54.83	0.1
	1.5s	1729.50nm				7.0mb
BRNL	59.52	321 eP		35	51.00	-3.8X
		ic		35	55.40	
		eS		44	06.00	
CLL	59.54	319 iPc		35	54.80	-0.3
	1.5s	350.00nm				6.3mb
Z	20s	9.50um				5.9MsZ
		ePcP		36	41.00	
		eS		44	01.00	
		P'P'		05	33.00	
PGD	59.56	311 P		35	55.49	-0.1
	1.2s	19.70nm				5.1mb X
BRN	59.61	321 iPc		35	56.00	0.5
SAP	59.62	50 eP		35	55.00	-0.7
		eS		44	03.00	
CTI	59.78	313 P		35	55.79	-1.2
	0.9s	146.70nm				6.1mb
FIR	59.89	311 iPc		35	57.00	-0.6
		iPP		38	16.00	
		iS		44	06.00	
WTTA	59.91	315 iPc		35	55.60	-2.3
	1.1s	305.00nm				6.3mb
		i		36	06.50	
		iPcP		36	44.50	
		iPP		38	14.20	
		i		45	47.00	
WATA	59.95	315 iPc		35	56.20	-2.0
		i		36	07.80	
		iPcP		36	44.10	
		iPP		38	15.70	
HOF	60.10	318 iPc		35	59.10	0.1
SQTA	60.19	314 iPc		35	57.90	-1.9
	0.9s	146.00nm				6.1mb
		i		36	08.10	
		i		36	43.10	
		iPP		38	16.20	
		i		45	48.80	
MBZ	60.20	302 iPc		36	00.80	1.0
FUR	60.24	316 iPc		35	58.80	-1.2
	1.3s	431.00nm				6.4mb
		iPcP		36	45.30	
		ePP		38	16.50	
		eS		44	10.50	
		eSS		48	17.60	
MOTA	60.28	315 iPc		35	58.30	-2.1
	1.0s	321.00nm				6.4mb
		i		36	07.40	
		iPcP		36	46.10	
		iPP		38	17.60	
		i		45	49.70	
OGA	60.29	314 iPc		35	58.80	-1.7
	1.2s	398.00nm				6.4mb
MOX	60.31	318 iPc+		36	00.90	0.5
	1.4s	618.00nm				6.5mb
Z	18s	9.00um				6.0MsZ
		eS		44	00.00	
BUL	60.37	233 iPd		35	56.90	-4.4X
	1.1s	256.33nm				6.3mb
		eP'P'		05	25.20	
GRF	60.45	317 iPc		36	01.80	0.5
	1.2s	633.00nm				6.6mb
		ePcP		36	46.50	
		ePP		38	16.50	
		iS		44	16.50	
		iScS		45	51.50	
		eSS		48	21.20	
KTK1	60.48	341 eP		35	56.61	-4.6X
SAL	60.53	313 P		36	01.69	-0.2
	1.3s	812.60nm				6.7mb

MRWA	60.56	140	iPc	36	02.20	0.0
	1.0s	277.00nm				6.3mb
COP	60.65	324	iPc+	36	03.40	0.8
	1.0s	400.00nm				6.5mb
		e				
ZGN	60.66	302	iPc	36	03.20	0.1
KCHT	60.77	303	iPc	36	04.00	0.2
YSS	60.87	46	iPc+	36	03.60	-0.6
	1.0s	300.00nm				6.4mb
	Z	15s	16.50um			6.3MsZ
	N	15s	11.00um			
	E	15s	12.50um			
		e		36	44.90	
		e		38	18.00	
		ePPP		39	44.00	
		ePS		44	20.00	
		e		45	48.00	
OSS	60.87	314	iPc	36	03.50	-1.0
SGNT	60.96	299	iPc	36	05.80	0.7
HFS	61.00	329	eP	36	04.10	-0.8
	1.0s	692.00nm				6.7mb
	Z	19s	25.13um			6.4MsZ
		LR		58	55.00	
TROT	61.09	301	iPc	36	07.00	0.9
BOB	61.24	312	P	36	06.23	-0.7
	0.9s	301.80nm				6.4mb
VDL	61.32	314	iPc	36	06.60	-1.0
KRIT	61.49	302	iPc	36	09.50	0.8
PGF	61.49	309	iPc	36	07.30	-1.4
	1.1s	221.75nm				6.2mb
TIK	61.56	17	iPc+	36	08.50	0.0
	2.0s	490.00nm				6.3mb
		i		36	50.00	
		i		38	24.00	
		iPPP		39	49.00	
		eS		44	25.00	
		iPS		44	39.00	
BLIT	61.57	302	iPc	36	09.50	0.3
LLS	61.67	314	iPc	36	08.60	-1.4
TMA	61.72	313	iPc	36	08.60	-1.6
PCP	61.88	311	Pc	36	08.60	-2.6X
BAL	61.98	141	eP	36	11.00	-0.9
	1.0s	156.00nm				6.2mb
CKI	62.07	311	P	36	10.72	-1.7
	0.9s	131.20nm				6.1mb
SLE	62.07	315	iPc	36	10.90	-1.5
FIN	62.11	311	P	36	10.52	-2.2
TRO	62.12	340	eP	36	11.54	-0.8
ZLA	62.12	315	iPc	36	11.50	-1.3
NRA0	62.18	330	iPd	36	11.60	-1.3
NRE0	62.18	330	iPd	36	15.10	2.3
		PP		39	55.00	
		S		44	41.20	
TNS	62.28	318	iPc	36	14.00	0.2
		ePcP		36	54.00	
		ePP		38	32.20	
ORO	62.32	313	P	36	11.72	-2.5X
	0.8s	48.30nm				5.8mb
IMI	62.33	311	P	36	13.13	-1.1
FEL	62.40	315	P	36	13.29	-1.4
NB2	62.41	330	P	36	13.30	-1.1
	1.2s	350.50nm				6.4mb
NAO	62.54	330	P	36	13.07	-2.2
SRBF	62.57	316	P	36	14.97	-0.7
SAOF	62.58	311	P	36	14.30	-1.5
MUD	62.59	325	iPc	36	16.00	0.4
	1.1s	488.00nm				6.6mb
LANF	62.61	316	P	36	15.12	-0.8
STR	62.61	316	P	36	15.12	-0.8
SBF	62.66	311	iPc	36	15.40	-1.0
	0.9s	348.55nm				6.6mb
AUTN	62.67	311	P	36	15.54	-1.2
MUN	62.67	142	eP	36	15.50	-0.9
	1.0s	140.00nm				6.1mb
	Z	20s	9.60um			6.0MsZ
ENR	62.68	311	Pc	36	14.92	-1.7
BFT	62.68	227	iPc	36	15.50	-1.4
	1.0s	230.00nm				6.3mb
LIBD	62.69	315	P	36	15.89	-0.6
REVf	62.71	310	P	36	15.65	-1.1
BBS	62.72	315	P	36	15.59	-1.1
DIX	62.73	313	iPc	36	16.20	-0.9
AURF	62.74	311	P	36	15.65	-1.3
STV	62.75	311	P	36	14.96	-2.1
KOE	62.76	318	iPc	36	17.32	0.5
TOUF	62.80	311	P	36	16.50	-1.0
BHB	62.80	312	Pc	36	14.64	-2.6X

DOI	62.81 311 P	36 14.93	-2.5X	KSR	65.02 229 iPc	36 24.00	-8.2X		eP'P'	05 06.70	
	0.6s 154.00nm		6.4mb		1.2s 550.00nm		6.6mb	GRR	68.34 316 iPc	36 52.60	-0.2
RSP	62.81 312 Pc	36 14.41	-3.1X	KMY	65.04 328 eP	36 29.39	-2.2		1.1s 174.35nm		6.2mb
MVIF	62.87 311 P	36 16.87	-1.0	LBF	65.12 314 iPc	36 31.80	-0.6	EGRA	68.40 309 eP	36 51.09	-2.2
WLS	62.87 316 P	36 16.57	-1.1		1.1s 355.55nm		6.5mb	FRS	68.47 227 iPd	36 52.50	-1.3
LSD	62.89 312 Pc	36 16.88	-1.3	BER	65.14 329 eP	36 30.70	-1.5		0.7s 272.00nm		6.6mb
KONO	62.91 328 iPc	36 09.96	-7.7X	EGD	65.18 329 eP	36 31.09	-1.3	LPF	68.48 315 iPc	36 53.80	0.1
	2.5s 1718.95nm		6.8mb	LOR	65.20 314 iPc	36 32.20	-0.7		1.1s 457.15nm		6.6mb
PZZ	62.91 311 P	36 15.65	-2.5X		1.2s 227.90nm		6.3mb	ATE	68.61 310 P	36 54.29	-0.3
CDF	62.92 316 iPc	36 17.30	-0.8	Z	22s 8.23um		5.9MsZ	MADF	68.69 310 P	36 54.73	-0.4
	1.2s 96.70nm		5.9mb	SMF	65.21 314 iPc	36 32.40	-0.6	KWE	68.76 321 eP	36 55.20	-0.1
NSS	62.93 334 eP	36 16.64	-1.1		1.1s 364.35nm		6.5mb	ELYF	68.81 310 P	36 55.18	-0.7
MOF	62.99 315 P	36 17.56	-1.0	ASK	65.22 329 eP	36 30.78	-1.9	ACU	68.85 305 eP	36 56.90	0.7
ECH	62.99 315 P	36 17.70	-0.8	DOMF	65.22 317 P	36 33.33	0.4	HVD	68.87 226 iPd	36 55.50	-1.0
BGG	62.99 318 iPc	36 18.96	0.6	PLDF	65.37 313 P	36 33.83	-0.3		0.7s 190.00nm		6.4mb
	1.9s 507.00nm		6.4mb	SSF	65.44 314 iPc	36 34.00	-0.4	EDR	69.06 325 eP	36 56.60	-0.5
CALN	63.06 310 P	36 17.23	-1.9		1.1s 431.75nm		6.6mb	JRS	69.11 317 ePc	36 57.30	-0.2
EMS	63.06 313 iPc	36 18.40	-0.8	LBTB	65.46 231 iPc	36 34.95	0.0	JLP	69.11 317 eP	36 57.20	-0.3
RRL	63.14 312 Pc	36 18.30	-1.5	AVF	65.54 314 iPc	36 34.50	-0.6	ESY	69.12 324 eP	36 57.10	-0.4
BNS	63.15 318 iPc	36 19.20	-0.2		1.1s 267.65nm		6.4mb	ECHE	69.16 306 eP	36 59.29	1.2
Z	20s 17.00um		6.2MsZ	LBL	65.65 312 P	36 35.72	-0.2	JSA	69.16 317 ePc	36 57.70	-0.1
	eS	44 48.00		GUMO	65.65 83 eP	36 35.53	-0.7	JVM	69.18 317 ePc	36 57.90	0.0
LOMF	63.18 314 P	36 18.78	-1.0		0.9s 106.05nm		6.0mb	ELIZ	69.20 310 eP	36 58.44	0.6
LPG	63.18 312 iPc	36 19.10	-1.0	AGO	65.71 313 P	36 36.00	-0.2	HAE	69.24 320 ePc	36 58.00	-0.2
	0.8s 173.00nm		6.3mb	BFS	65.72 228 iPd	36 36.70	0.1	EDU	69.33 324 eP	36 58.80	0.1
LPL	63.19 312 iPc	36 19.20	-0.9		0.9s 216.00nm		6.4mb	EBL	69.37 324 eP	36 59.10	0.1
	0.7s 186.95nm		6.4mb	PYM	65.80 313 P	36 36.68	-0.2	HGH	69.42 319 ePc	36 59.00	-0.4
BSF	63.22 315 iPc	36 19.00	-1.1	BGF	65.90 314 iPc	36 37.20	-0.2	FORT	69.42 134 eP	37 00.20	0.6
	1.0s 353.60nm		6.5mb		1.1s 437.60nm		6.6mb		0.8s 116.00nm		6.1mb
BNI	63.22 312 P	36 19.03	-1.2	SEK	66.00 227 iPc	36 38.50	0.1	EDI	69.45 324 ePc	36 59.30	-0.1
	1.0s 215.30nm		6.3mb		0.9s 4433.00nm		7.7mb X	EKA	69.45 323 Pc	36 59.30	-0.2
FRF	63.23 310 iPc	36 19.20	-0.9	HYF	66.03 314 iPc	36 38.50	0.3		1.2s 382.60nm		6.4mb
	1.1s 306.70nm		6.4mb	ETER	66.05 309 eP	36 38.63	0.2	ESK	69.48 323 iPc	36 59.60	-0.1
RSL	63.27 313 P	36 19.43	-1.1	MAF	66.10 313 iPc	36 38.60	-0.1		1.0s 256.00nm		6.3mb
KLB	63.31 141 eP	36 19.50	-1.2		1.1s 410.25nm		6.5mb	LMI	69.59 322 ePc	37 00.60	0.3
	1.0s 61.00nm		5.8mb	ESEL	66.18 306 eP	36 39.65	0.4	EAU	69.60 324 ePc	37 00.40	0.0
LMR	63.33 310 iPc	36 19.90	-0.9	MTHF	66.25 310 P	36 39.56	-0.2	EBH	69.62 324 ePc	37 00.50	0.0
	1.1s 150.90nm		6.1mb	TCF	66.34 313 iPc	36 40.20	-0.1	HTR	69.68 320 ePc	37 00.70	-0.3
STB	63.34 318 iPc	36 21.33	0.7		0.9s 217.50nm		6.4mb	XDE	69.68 322 eP	37 00.80	-0.1
	1.7s 247.00nm		6.1mb	VDCF	66.39 309 P	36 40.43	-0.2	ELO	69.72 324 ePc	37 00.90	-0.2
LOF	63.38 338 eP	36 18.95	-1.7	CAF	66.50 312 iPc	36 41.40	0.1	EALH	69.72 304 eP	37 02.33	0.8
LRG	63.44 310 iPc	36 20.90	-0.6		1.1s 611.45nm		6.7mb	ASPA	69.74 125 iPc	37 01.50	-0.3
	1.1s 470.80nm		6.6mb	TRGS	66.69 309 P	36 42.81	0.0		1.1s 212.00nm		6.2mb
Z	20s 8.40um		5.9MsZ	LSF	66.82 313 iPc	36 43.30	0.0	Z	19s 8.60um		6.0MsZ
WTS	63.46 320 iPc	36 21.80	0.4		1.1s 646.65nm		6.7mb		iS	46 09.50	
	1.1s 403.40nm		6.5mb	RJF	66.87 312 iPc	36 43.90	0.3		eP'P'	05 02.70	
HAU	63.53 315 iPc	36 21.20	-0.8		1.1s 1000.20nm		6.9mb	GRM	69.83 223 iPc	37 03.00	0.9
	1.1s 106.45nm		6.0mb	Z	23s 4.25um		5.6MsZ X		1.0s 628.00nm		6.7mb
Z	20s 5.97um		5.8MsZ	SWZ	66.93 229 iPd	36 43.60	-0.8	Z	22s 33.00um		6.5MsZ
WIT	63.61 321 ePc	36 23.50	1.1		0.9s 233.00nm		6.4mb	ETOR	69.84 308 eP	37 02.79	0.5
TAVF	63.66 310 P	36 22.86	-0.1	GRBF	66.99 310 P	36 43.94	-0.6	HCG	69.90 320 eP	37 02.40	0.1
KLL	63.68 318 ePc	36 23.29	0.4	LPO	67.13 312 iPc	36 45.60	0.3	GCD	69.92 323 eP	37 02.30	-0.1
WLF	63.72 317 iPc	36 23.00	-0.2		1.1s 748.20nm		6.8mb	ECRI	69.98 310 eP	37 03.98	0.9
VITF	63.78 315 P	36 22.90	-0.7	LESF	67.16 310 P	36 45.15	-0.4	EAB	70.08 324 ePc	37 03.30	0.0
MEM	63.87 318 iPc	36 24.63	0.5	SALF	67.25 309 P	36 45.13	-1.0	WFB	70.11 320 ePc	37 03.70	0.1
	1.4s 423.00nm		6.5mb	PAF	67.34 184 eP	36 52.00	5.7X	YLL	70.16 321 ePc	37 03.80	0.0
VILF	63.91 310 P	36 24.64	0.0		eS	45 37.00		WME	70.22 321 ePc	37 04.40	0.2
PUYF	63.92 310 P	36 24.64	0.0	LFF	67.43 312 iPc	36 47.60	0.4	GIM	70.26 322 eP	37 04.80	0.3
BERF	63.93 310 P	36 24.64	-0.2		1.0s 768.00nm		6.9mb	YRE	70.32 321 ePc	37 05.00	0.2
ENN	63.93 318 iPc	36 24.90	0.4	BLF	67.48 227 iPc	36 48.30	0.5	WIM	70.39 322 ePc	37 05.70	0.4
	1.1s 268.40nm		6.4mb		0.7s 211.00nm		6.5mb	YRC	70.39 321 ePc	37 05.50	0.3
SLR	63.95 228 iPc	36 24.10	-1.1	KBS	67.57 349 eP	36 48.00	0.5	YRH	70.46 321 eP	37 06.00	0.3
	1.3s 180.00nm		6.1mb	LDF	67.84 316 iPc	36 49.60	-0.1	ENIJ	70.46 304 eP	37 05.88	-0.2
Z	20s 113.00um		7.0MsZ		1.1s 840.05nm		6.9mb	EVIA	70.46 305 eP	37 06.88	0.7
NWAO	63.96 142 eP	36 24.00	-0.9	EPF	67.85 310 iPc	36 48.90	-1.0	KAC	70.54 325 ePc	37 06.00	-0.1
	1.0s 161.00nm		6.2mb		0.9s 79.30nm		5.9mb	KSB	70.62 325 ePc	37 06.40	-0.2
Z	23s 6.00um		5.7MsZ X	ENSF	67.87 310 P	36 50.31	0.1	EHUE	70.65 305 eP	37 07.17	-0.1
GELF	64.12 310 P	36 25.70	-0.3	KUF	67.89 320 ePc	36 49.90	0.0	WIN	70.69 237 iPc	37 08.50	0.7
TREF	64.15 310 P	36 26.08	-0.1	EBR	67.92 307 iPd	36 51.00	0.7		1.0s 670.00nm		6.7mb
PRAF	64.30 310 P	36 27.20	0.0		iS	45 48.00		Z	20s 40.00um		6.7MsZ
MOL	64.42 331 eP	36 26.14	-1.4	CRZF	67.93 198 iPc	36 50.00	-0.1	KPL	70.74 325 ePc	37 07.20	-0.1
ODD1	64.43 328 eP	36 27.28	-0.5		iS	45 53.00		TAF	70.95 301 iPc	37 09.50	0.3
BLS5	64.45 328 eP	36 27.74	-0.1		iSS	50 28.00		CME	71.04 318 ePc	37 09.40	0.2
DBN	64.47 320 iP+	36 28.00	0.0	MFF	67.96 314 iPc	36 50.30	-0.2	PET	71.12 39 eP	37 07.00	-2.6X
Z	17s 11.50um		6.1MsZ X		1.1s 459.10nm		6.6mb		2.0s 240.00nm		6.0mb
	ePP	38 45.00		EROQ	67.98 307 eP	36 51.29	0.5	Z	16s 70.00um		7.0MsZ X
	ePPP	40 36.00		KSY	68.01 321 ePc	36 50.50	-0.1	N	14s 15.00um		
	eS	45 09.00		FLN	68.07 316 iPc	36 51.10	0.0	E	16s 44.00um		
	eSS	49 20.00			1.1s 623.20nm		6.7mb		eS	46 18.00	
DOU	64.75 317 P	36 30.70	0.8	Z	20s 11.43um		6.1MsZ		ePS	47 00.00	
	1.0s 330.50nm		6.5mb	WB5	68.20 121 iP	36 51.20	-1.2	EMEL	71.32 302 eP	37 12.35	1.1
HYA	64.83 330 eP	36 29.50	-0.7		e	37 34.00		GUD	71.45 308 eP	37 12.72	0.6
COOL	64.91 138 eP	36 30.00	-1.2		P'P'	05 06.50		ECOG	71.49 304 eP	37 11.93	-0.5
	0.8s 43.00nm		5.7mb	WRA	68.21 121 P	36 52.20	-0.2	EBAN	71.53 305 eP	37 12.32	-0.2
UCC	64.92 318 P+	36 31.00	0.0		0.9s 218.50nm		6.4mb	DLF	71.56 321 iPc	37 12.70	0.4
	s	45 15.00		WR2	68.23 121 eP	36 51.40	-1.2	EGUA	71.56 304 eP	37 12.64	-0.1
SNF	64.96 318 iPc	36 31.39	0.1		1.0s 16.30nm		5.2mb X	PAB	71.76 307 ePc	37 13.38	-0.6

	1.0s	439.61nm		6.5mb
ELUQ	72.00	304 eP	37	14.60 -0.8
DCN	72.00	321 iPc	37	15.70 0.7
POF	72.07	230 iPc	37	17.00 1.3
	0.4s	51.00nm		6.0mb
TZK	72.52	301 eP	37	19.00 0.6
EHOR	72.72	305 eP	37	19.26 -0.3
QIS	72.84	119 iPc	37	20.20 -0.3
EPRU	72.86	304 eP	37	19.67 -0.8
EPLA	72.99	307 eP	37	21.81 0.6
EJIF	73.13	303 eP	37	21.69 -0.3
SUR	73.14	227 eP	37	22.50 0.2
	1.0s	600.00nm		6.6mb
ALJ	73.20	304 iP	37	22.00 -0.6
TGT	73.23	301 eP	37	23.00 0.4
OJEN	73.25	303 iP	37	23.00 0.2
MOMI	73.36	303 iP	37	23.00 -0.3
IFR	73.39	300 iPc	37	25.50 1.7
ERUA	73.40	310 eP	37	24.04 0.6
PLAT	73.42	303 iP	37	24.00 0.3
GIBL	73.45	304 iP	37	24.00 0.1
RANB	73.63	304 iP	37	25.00 0.1
SFS	73.72	304 iP	37	24.00 -1.4
DAG	73.74	346 ePd	37	26.00 1.2
	1.7s	1192.31nm		6.7mb
TNF	73.74	299 eP	37	26.00 0.4
EVAL	73.94	305 eP	37	26.95 0.3
VAL	73.98	320 iP	37	27.50 1.0
	1.1s	6.00nm		4.5mb X
		S	47	00.00
STS	74.34	310 eP	37	29.20 0.3
EZAM	74.58	310 eP	37	31.15 0.9
CER	74.75	227 iPc	37	28.50 -2.8X
	0.8s	442.00nm		6.5mb
AVE	75.31	301 iPc	37	35.50 0.8
		i	37	50.50
		i	38	36.50
		i	50	17.00
AKU	75.57	335 iPc	37	37.00 1.6
	1.0s	180.00nm		6.1mb
CIA	76.81	299 iP	37	44.50 1.4
JHA	77.33	299 eP	37	47.50 1.5
CTA	78.26	116 iPc	37	51.00 -0.3
	1.0s	200.00nm		6.2mb
		iSKS	47	48.00
CTAO	78.26	116 ePc	37	51.80 0.5
	0.9s	321.06nm		6.4mb
ILT	78.87	22 iPc	37	54.00 0.2
	1.0s	1700.00nm		7.0mb
Z	14s	23.00um		6.7MszX
N	18s	22.00um		
E	14s	11.00um		
		i	41	00.00
		iPPP	42	48.00
		iS	47	52.00
		iPS	48	32.00
		iSSS	56	16.00
ADE	79.17	132 iPc	37	57.00 0.9
KIC	79.71	273 eP	38	00.43 1.1
	0.8s	174.00nm		6.1mb
STK	79.73	128 iPc	37	59.00 -0.1
	0.9s	66.80nm		5.6mb
TIC	79.89	274 PKP	38	01.41 1.1
	0.7s	101.50nm		5.9mb
LIC	80.02	273 PKP	38	01.89 0.9
	0.8s	111.50nm		5.9mb
Z	19s	6.00um		6.0Msz
SMY	80.35	38 eP	38	02.66 0.7
	1.1s	358.28nm		6.3mb
Z	18s	23.81um		6.6Msz
		S	48	10.00
		e	57	20.39
CFTV	82.06	297 eP	38	13.00 1.4
BRW	83.80	15 eP	38	20.02 0.4
KDS	84.93	282 iPc	38	27.30 1.0
ANM	85.18	22 ePc	38	28.11 1.4
TOO	85.22	132 eP	38	30.00 2.6X
	0.9s	400.00nm		6.6mb
MBC	85.40	4 iPc	38	29.00 1.4
	1.2s	612.00nm		6.7mb
		PP	38	30.60
		SP	38	32.30
		PCP	38	33.40
		PP	41	47.70
		SKS	48	49.80
		S	48	56.90
		SCS	49	07.60

				PS	49	54.40	
				SS	54	32.80	
				PKKP	56	08.40	
				SSS	58	10.20	
				PcPP'	01	34.80	
				P'P'	04	30.90	
CHIE	85.54	298	eP	38	32.00	2.8X	
GDH	85.98	344	iPc	38	33.00	2.4	
	1.3s	615.38nm				6.6mb	
			i	49	07.00		
MAW	86.01	185	iP+	38	31.50	1.0	
	1.0s	137.50nm				6.1mb	
	Z 16s	15.63um				6.5MsZ	
CAN	86.79	129	iPc	38	36.10	0.9	
			iPcP	39	06.00		
			e	39	47.00		
ARMA	86.85	123	iPc	38	36.90	1.2	
CNB	87.06	128	iPc	38	36.90	0.4	
	1.0s	185.00nm				6.3mb	
RES	87.29	358	eP	38	38.50	1.6	
	1.0s	24.00nm				5.4mb	
RIV	87.82	127	iPc	38	41.20	1.1	
	1.0s	9520.00nm				8.1mb	
CSY	87.89	167	eP	38	40.80	1.1	X
	1.2s	33.00nm				5.5mb	
IMA	88.13	18	iPc	38	41.37	0.1	
	1.3s	134.14nm				6.1mb	
			ePP	42	07.98		
TTA	89.49	21	iPc	38	48.43	0.7	
	1.2s	65.72nm				5.8mb	
			ePP	42	18.78		
COL	90.68	17	P	38	53.37	0.2	
	1.3s	124.95nm				6.1mb	
FBA	90.68	17	eP	38	53.40	0.2	
SVW	90.83	23	ePc	38	54.99	1.0	
	1.2s	146.41nm				6.2mb	
			ePP	42	30.44		
INK	91.16	11	ePc	38	56.00	0.7	
	1.4s	223.00nm				6.3mb	
CRP	91.95	21	eP	38	58.88	-0.4	
PMR	92.73	20	eP	39	02.51	-0.1	
	1.3s	202.75nm				6.4mb	
	Z 20s	16.81um				6.5MsZ	
			ePP	42	44.12		
			PPP	46	22.93		
			SP	51	17.48		
			SS	56	20.23		
SLKM	93.16	21	eP	39	04.06	-0.7	
TOA	93.28	19	eP	39	06.50	1.2	
	1.2s	372.90nm				6.7mb	
KLU	93.83	19	iPc	39	08.48	0.7	
			ePP	42	53.61		
FRB	94.04	345	eP	39	09.50	0.9	
	1.0s	11.00nm				5.2mb	X
KDC	94.29	24	eP	39	10.03	0.2	
	1.3s	116.37nm				6.1mb	
BALM	95.26	18	iPc	39	15.36	0.9	
			e	42	28.99		
DZM	96.61	111	iPc	39	20.60	-0.5	
YKA	99.24	5	eP	39	32.50	0.2	
	1.0s	14.00nm				5.6mb	
SIT	100.59	17	Pdiff	39	50.00	11.7X	
	Z 18s	11.10um				6.4MsZ	
LMN	107.35	333	ePKP	44	20.00	2.4X	
CBM	107.86	335	Pdiff	40	11.45	0.5	
CBM	107.86	335	(PKP)	44	22.53	4.0X	
	Z 21s	7.37um				6.2MsZ	
			PP	44	39.25		
			SP	53	57.65		
			ePKKP355	35	31.52		
			iPKKP	55	44.77		
LBNH	111.59	336	PKP	44	40.00	14.3X	
	Z 21s	7.30um				6.2MsZ	
LBNH	111.59	336	Pdiff	40	30.13	2.5X	
	Z 21s	7.30um				6.2MsZ	
			PP	45	08.76		
			SP	54	42.67		
			ePKKP355	19	47.00		
			iPKKP255	28	43.00		
GAC	111.61	339	ePKP	44	26.00	0.4	
ULM	111.65	355	ePKP	44	29.00	3.4X	
RSNY	112.29	338	ePKP	44	27.76	0.8	
			ePKKP355	17	26.00		
			iPKKP255	24	87.00		
GMW	112.44	14	(PKP)	44	25.99	-1.2	
			ePP	45	12.15		
RMW	112.75	13	(Pdiff40)	36	38.00	3.6X	

NEW	112.87	10	ePKKP	55	23.78	
Z	19s		(PKP)	44	29.72	1.7
						6.8Msz
			ePP	45	16.24	
HRV	112.90	335	Pdfff	40	33.21	-0.2
Z	18s		6.01um			6.2Msz
			PP	45	18.41	
			SP	54	46.29	
HON	113.84	56	PKP	44	36.34	5.7X
Z	20s		3.31um			5.9Msz
			PP	45	46.37	
			PKKP	55	07.81	
LSCT	114.26	335	PKP	44	40.00	9.1X
Z	20s		7.51um			6.3Msz
BINY	114.86	338	ePKP	44	32.20	0.1
Z	19s		8.01um			6.3Msz
			ePP	45	32.03	
			ePKKP355	07.61		
			ePKKP255	14.78		
TBR	115.11	336	ePKP	44	32.18	-0.4
			ePP	45	30.05	
			ePKKP	55	12.78	
PNJ	115.29	336	PKP	44	33.95	1.1
			PS	55	08.17	
			PKKP2	55	12.48	
GPD	115.31	336	ePKP	44	32.36	-0.6
			ePP	45	32.72	
			ePKKP355	06.54		
			iPKKP255	12.07		
YSNY	115.49	340	PKP	44	40.00	6.7X
Z	18s		5.97um			6.2Msz
YSNY	115.49	340	Pdfff	40	44.47	-0.6
Z	18s		5.97um			6.2Msz
			PP	45	28.77	
			PKKP	54	38.45	
FHC	118.43	18	ePKP	44	39.67	0.7
LBFM	118.49	16	ePKP	44	37.94	-1.3
			ePP	45	49.78	
			iPKKP354	57.13		
			iPKKP255	00.40		
SOB1	118.71	269	ePKP	44	40.60	0.4
CBN	118.87	337	e(PKP)	44	41.00	1.3
WDC	119.04	16	ePdfff	41	02.21	1.4
			ec	41	46.21	
			iPP	46	02.21	
			ePPP	48	41.21	
			eSKS	51	37.21	
			eSKKS	53	04.21	
			i	55	57.21	
			iPPS	57	18.21	
			ePKKS	58	28.21	
			iss	02	13.21	
			ISSS	06	56.21	
			eLQ	18	06.21	
WDC	119.04	16	PKP	44	47.42	7.4X
Z	21s		9.54um			6.4Msz
			PP	46	00.60	
			PKKP	55	39.28	
			SS	02	08.77	
BW06	119.21	5	ePKPc	44	40.04	-0.6
			ePP	45	59.24	
CVL	119.47	337	ePKP	44	40.76	-0.1
			ePP	46	02.06	
HVU	119.85	8	ePKP	44	41.08	-0.7
			ePKKP	54	50.90	
ORV	120.28	16	ePKP	44	41.70	-0.7
NAV	120.89	339	ePKP	44	42.96	-0.7
			ePP	46	11.12	
			ePKKP	54	47.00	
DAU	121.38	7	ePKP	44	44.54	-0.4
			ePP	46	11.05	
DUG	121.40	8	ePKP	44	44.99	0.2
Z	21s		8.64um			6.4Msz
			SP	56	09.26	
CEH	121.55	337	ePKP	44	44.88	-0.1
Z	22s		3.55um			6.0Msz
			ePP	46	15.22	
EMUT	122.02	7	ePKP	44	45.78	-0.3
			ePP	46	18.78	
SLM	122.23	348	PKP	45	00.00	13.9X
Z	19s		4.10um			6.1Msz
MHC	122.31	17	ePdfff	41	23.19	7

			iPPS	57	46.19				i	45	15.10				eLR	25	50.00	
			eSS	02	50.19				i	45	28.00			PEL	146.94	237	iPKPc	45 33.60 1.5
			eSSS	07	16.19				i	45	41.00			IHA	147.74	236	ePKP	45 35.60 2.4X
			eLQ	21	27.19				i	45	49.00			PSO	147.87	304	ePKP	45 36.00 1.5
			eLR	25	09.19				i	46	54.10			ANT	148.59	254	ePKP	45 36.50 1.6
ARN	122.34	17	ePKP	44	47.21	0.7	RAR	127.18	103	ePKP	44	56.94	0.7	ARE	149.36	268	iPKPc	45 38.60 1.9
GLD	122.47	2	ePKP	44	47.20	0.4	ALQ	127.21	3	iPKPd	44	57.02	0.8	S.D. = 1.0 on 625 of 712 obs.				
Z 20s	13.26um					6.6Msz	Z 21s	2.74um					5.9Msz					
GOL	122.51	2	ePKP	44	46.54	-0.5			ePP	46	48.35			? SEP 29, 1993 22h 30m 13.81± 1.27s				
Z 22s	13.70um					6.6Msz			SKKP	58	25.29			4.894 S ±16.8km 155.190 E ±16.1km				
		ePP	46	18.85			WMOK	127.29	355	ePKPc	44	55.55	-0.6	DEPTH = 33.0km (normal)				
		SP	56	08.65			Z 21s	10.41um					6.5Msz	4.7mb (3 obs.)				
BONR	122.58	14	ePKP	44	48.45	1.2			PP	46	52.81			SOLOMON ISLANDS (193)				
		ePKKp	54	41.90					SP	56	57.29							
MEMM	122.70	14	ePKP	44	48.67	1.6			SKKP	58	13.13			RAB	3.10	283	iPd	31 01.00 -0.5
		ePKKp	54	42.64			PLM	127.31	14	ePKP	44	56.52	0.1	KVG	4.93	298	eP	31 28.60 1.0
SRU	122.75	6	ePKP	44	46.54	-0.9	UYO	127.34	351	iPKPd	44	55.80	-0.4	PMG	9.14	240	eP	32 10.00 -16.5X
		ePP	46	16.99			GLA	128.04	12	ePKPc	44	58.54	0.9			eS	33 27.00	
		ePKKp	54	40.18			LPR	128.25	312	(PKP)	44	58.70	0.3	QIS	21.72	223	eP	35 04.30 0.0
MRCM	122.80	14	ePKP	44	48.37	0.8	SJG	128.57	312	ePKP	44	58.64	-0.4	MTN	25.03	250	eP	35 29.00 -7.6X
FVM	122.90	348	ePKPc	44	46.74	-0.7	APR	128.75	313	(PKP)	45	00.00	0.7			i	36 11.60	
Z 20s	19.59um					6.8Msz	CLLP	128.89	313	PKP	45	00.00	0.5	WR2	25.20	232	eP	35 37.00 -1.2
		PP	46	20.16			GRW	128.90	303	ePKP	44	58.95	-0.8		0.6s	10.90nm		4.6mb
SAO	122.91	17	PKP	44	54.05	6.5X	PORP	128.95	313	PKP	45	00.00	0.3			ipP	35 43.00	21kmX
Z 19s	5.72um					6.2Msz	MCP	129.04	313	PKP	44	56.50	-3.3X	ASPA	27.74	226	eP	36 04.80 3.2X
		PP	46	26.95			RSTA	129.07	253	ePKP	45	01.10	1.3		1.0s	8.80nm		4.4mb
		SP	56	08.85			MGP	129.30	313	PKP	45	00.00	-0.3			ipP	36 10.30	19kmX
CCM	122.99	348	ePKP	44	56.53	8.9X	TUC	129.43	8	ePKPc	45	02.06	1.7	TAZ	38.44	153	eP	37 33.00 -1.2X
MTUM	123.09	14	ePKP	44	48.64	0.5	Z 19s	8.16um					6.4Msz	PWA	78.53	23	e(P)	42 42.40 29.2X
		ePP	46	24.40					ePP	46	52.52			IMA	79.76	19	e(P)	42 07.70 -12.3X
MSU	123.14	8	ePKPc	44	49.12	0.9			eSKP	48	21.45				1.7s	306.40nm		
		ePP	46	25.59			TRN	129.55	301	ePKP	45	02.15	1.2			i	42 08.60	
		ePKKp	54	39.60			PPD	130.96	256	ePKP	45	04.60	1.2	FBA	81.10	21	e(P)	42 26.00 -0.9
ELC	123.32	346	ePKPd	44	48.26	0.0	LTX	132.88	0	ePKP	45	05.90	-1.1	SIT	83.12	31	e(P)	42 40.00 2.5X
		ePKKp	54	37.89					ePP	47	30.39		SPA	85.14	180	iPe	42 49.30 1.5	
LHS	123.44	337	ePKP	44	48.22	-0.4	LLAV	133.96	305	ePKP	45	11.90	2.5X		1.0s	18.50nm		5.2mb
		ePP	46	27.42			CAR	134.03	305	iPKP	45	09.20	-0.4	Z 20s	3.60um			5.8Msz
FV08	123.46	5	ePKP	44	48.30	-0.7	AFR	136.07	97	ePKP	45	13.20	0.0			i	54 03.30	
		ePP	46	30.38			PPT	136.27	97	ePKP	45	13.70	0.1	LRM	95.12	45	eP	44 06.30 30.9X
		ePKKp	54	38.85				1.2s	179.10nm						e	45 36.00		
GBTN	123.51	341	ePKP	44	48.20	-0.5	Z 29s	4050.00um					9.0MszX	NRE0	117.91	341	Pdiff	45 33.10 16.6X
		ePP	46	26.87			PPN	136.40	97	ePKP	45	13.90	0.1			SS	48 48.90	
PV10	123.62	5	ePKPc	44	48.88	-0.4		1.4s	246.60nm					CBN	121.96	48	ePdiff	45 51.00 15.9X
		ePP	46	30.84			TVO	136.60	97	ePKP	45	14.40	0.1	S.D. = 1.4 on 6 of 16 obs.				
JSC	123.78	338	ePKPc	44	48.72	-0.6		1.3s	252.70nm					% SEP 29, 1993 22h 35m 25.24± 0.88s				
		ePP	46	28.48			TOV	136.68	307	ePKP	45	11.40	-3.2X	48.349 N ± 6.5km 0.340 W ± 8.4km				
TPNV	123.99	12	ePKP	44	50.18	0.3	PMO	137.45	93	ePKP	45	16.60	0.8	DEPTH = 10.0km (geophysicist)				
Z 20s	9.83um					6.5Msz		1.2s	163.00nm				FRANCE	(538)				
MYNC	124.03	341	ePKP	44	49.48	-0.4	TPT	137.71	93	ePKP	45	17.20	0.9	ML 2.5 (LDG).				
Z 18s	7.25um					6.4Msz		1.1s	144.60nm				LDF	0.28	31	Pg	35 31.00 -0.2	
		SKP	48	30.28			VAH	137.74	93	ePKP	45	17.00	0.6			Sg	35 35.10	
		e	58	02.82				1.2s	113.10nm				GRR	0.35	277	Pg	35 32.50 0.1	
LST	124.16	347	ePKP	44	50.44	0.5	SDV	137.89	307	ePKP	45	08.30	-8.7X			Sg	35 37.40	
HBF	124.66	336	ePKP	44	51.30	0.3	RUV	137.97	93	ePKP	45	17.50	0.7	FLN	0.42	347	Pg	35 34.00 0.1
ISA	124.72	15	ePKP	44	51.16	0.0		1.2s	147.60nm						Sg	35 40.00		
Z 19s	6.55um					6.3Msz	SIV	139.40	266	PKP	45	08.40	-11.1X	LPF	0.57	236	Pg	35 36.40 -0.3
		ePP	46	34.54			MRX	142.39	356	(PKP)	45	21.00	-3.7X			Sg	35 43.00	
BCH	124.76	16	ePKPc	44	51.99	0.7	CRX	142.57	354	(PKP)	45	27.00	1.6	MFF	1.75	176	Pg	35 56.00 0.1
		e	58	09.60			IISM	142.68	350	(PKP)	45	23.00	-2.2	S.D. = 0.3 on 5 of 5 obs.				
		ePP	46	36.00			PPM	142.78	352	(PKP)	45	23.00	-3.1X	% SEP 29, 1993 22h 46m 34.60± 0.85s				
ABL	125.31	16	ePKP	44	53.15	0.6	MRA	143.12	240	ePKPd	45	22.90	-2.7X	44.982 N ± 6.6km 7.298 E ±14.8km				
		ePP	46	29.13			BOG	143.20	305	ePKP	45	24.00	-2.7X	DEPTH = 33.0km (normal)				
GSC	125.46	13	ePKPc	44	53.22	0.6	CYA	143.94	246	iPKPd	45	24.50	-2.7X	NORTHERN ITALY (545)				
OXF	126.01	346	ePKPd	44	53.48	-0.2	HJA	144.01	255	ePKPc	45	26.70	-0.6	ML 2.0 (GEN).				
		e	45	03.02			SLA	144.04	253	iPKPd	45	25.90	-1.7	BHB	0.14	190	P	46 40.20 -0.5
BPA	126.14	308	ePKP	44	50.00	-4.4X	MOCB	144.21	259	PKP	45	27.10	-1.3	RSP	0.17	350	P	46 40.59 -0.5
SSK	126.30	15	ePKP	44	55.03	0.5	RTPR	144.24	243	ePKPc	45	26.60	-0.9			S	46 43.45	
PAG	126.63	307	ePKP	44	55.05	-0.4	CCH	144.39	265	PKP	45	27.50	-1.1	RRL	0.37	261	P	46 43.48 -0.1
VAO2	126.68	254	ePKP	44	56.60	1.2	OXX	144.43	349	(PKP)	45	28.50	0.0			S	46 48.28	
CACB	126.69	256	iPKPc	44	56.70	1.2	ACX	145.10	354	(PKP)	45	27.00	-2.4	LSD	0.49	348	P	46 45.85 0.6
		e	46	43.10			CFA	145.40	240	ePKPd	45	30.60	1.0			S	46 52.00	
PEC	126.73	14	ePKPc	44	55.26	0.1	MDZ	145.55	238	ePKP	45	31.70	1.8	PZZ	0.50	196	P	46 45.51 0.2
MIAR	126.83	350	ePKPd	44	55.09	-0.1	RTLL	145.66	241	iPKPd	45	31.50	1.4			S	46 51.86	
Z 20s	8.46um					6.4Msz	ZON	145.78	240	iPKPc	45	31.90	1.6	ENR	0.76	173	P	46 49.26 0.3
		ePP	46	53.76			RTCB	145.89	240	iPKPc	45	32.00	1.5	S.D. = 0.6 on 6 of 6 obs.				
		SKP	48	09.80			CNCB	146.08	267	iPKPc	45	33.20	1.4	* SEP 29, 1993 23h 10m 57.48± 0.40s				
BDF	126.86	264	ePKP	44	56.50	0.6	LPZ	146.15	268	PKPc	45	33.40	1.4	18.092 N ± 9.4km 76.441 E ±10.9km				
	1.5s							PP	49	11.90			DEPTH = 10.0km (geophysicist)					
		i	45	06.70				SKS	52	25.70			5.0mb (28 obs.)					
		e	45	16.00				i	55	45.00								
BAO	126.94	264	iPKPd	44	57.00	0.9		SS	08	01.20								
		i	45	06.10				LQ	30	53.30								
		i	45	11.90				LR	37	14.50								
							LPB	146.15	267	iPKPc	45	33.00	1.3					
								1.0s	1260.00nm									
							Z 18s	6.87um					6.5Msz					

29d 23h

SOUTHERN INDIA (314)				
GBA	4.56 168 P	12 05.50	-2.7	
	0.3s 22.00nm			
NDI	10.57 4 eP	13 29.50	-2.5	
	eS 15 23.50			
KMI	25.40 69 Pd	16 29.00	1.9	
	1.0s 60.00nm		5.2mb	
Z	15s 2.40um		4.8mszX	
NUR	55.99 332 eP	20 38.00	-0.2	
	0.5s 3.40nm		4.6mb	
KAF	56.01 334 iP	20 38.20	-0.1	
	0.6s 13.00nm		5.1mb	
GEC2	58.70 317 P	21 00.70	3.0	
	0.8s 1.99nm		4.3mb	
	PcP 21 45.10			
	e 21 47.70			
	e 21 50.30			
BRG	58.86 319 eP	20 59.10	0.4	
MOX	60.29 318 eP	21 09.30	0.7	
GRF	60.42 317 iPc	21 10.50	1.0	
	0.8s 9.00nm		5.0mb	
HFS	60.97 329 eP	21 12.30	-0.7	
	0.5s 1.90nm		4.5mb	
Z	16s 0.94um		5.0mszX	
	LR 42 39.00			
NB2	62.38 330 P	21 21.70	-0.8	
	0.6s 3.60nm		4.7mb	
LPG	63.15 312 iPc	21 27.30	-0.9	
	0.5s 3.05nm		4.7mb	
LPL	63.17 312 iPc	21 27.40	-0.9	
	0.6s 8.75nm		5.1mb	
BSF	63.19 315 eP	21 27.40	-0.9	
	0.7s 5.85nm		4.9mb	
FRF	63.21 310 eP	21 27.40	-0.9	
	0.6s 4.50nm		4.8mb	
HAU	63.50 315 eP	21 29.20	-1.0	
LBF	65.09 314 eP	21 40.00	-0.6	
LOR	65.17 314 iPc	21 40.30	-0.8	
SMF	65.19 314 iPc	21 40.50	-0.7	
	0.5s 4.10nm		4.9mb	
SSF	65.41 314 iPc	21 42.20	-0.4	
	0.8s 9.40nm		5.0mb	
AVF	65.52 314 eP	21 42.70	-0.6	
	0.5s 3.85nm		4.8mb	
BGF	65.87 314 iPc	21 45.30	-0.2	
	0.5s 6.65nm		5.1mb	
MAF	66.07 313 iPc	21 46.80	0.0	
	0.7s 5.30nm		4.8mb	
TCF	66.32 313 iPc	21 48.40	0.0	
	0.7s 5.30nm		4.8mb	
CAF	66.47 312 eP	21 49.60	0.1	
	1.0s 11.80nm		5.0mb	
RJF	66.84 312 iPc	21 52.10	0.3	
	0.7s 11.25nm		5.2mb	
LPO	67.11 312 iPc	21 53.80	0.3	
	0.5s 5.45nm		5.0mb	
LFF	67.41 312 iPc	21 55.80	0.4	
	0.5s 10.50nm		5.3mb	
LDF	67.82 316 iPc	21 57.80	-0.1	
	0.9s 13.25nm		5.1mb	
EPF	67.83 310 eP	21 58.90	0.8	
	0.7s 3.30nm		4.6mb	
MFF	67.93 314 eP	21 58.50	-0.1	
	0.7s 10.35nm		5.1mb	
FLN	68.05 316 iPc	21 59.20	-0.1	
	0.5s 7.05nm		5.1mb	
WRA	68.23 121 P	22 01.00	0.1	
	0.6s 7.50nm		5.1mb	
WR2	68.25 121 iPc	22 00.50	-0.5	
	0.4s 22.90nm		5.7mb	
	i 22 02.90			
LPF	68.46 315 eP	22 02.20	0.4	
ASPA	69.76 125 eP	22 10.20	-0.1	
	0.8s 5.50nm		4.8mb	
TIC	79.88 274 P	23 09.40	0.8	
CNCB	146.07 267 PKP	30 42.00	2.0	
LPAZ	146.14 268 PKPc	30 41.30	1.1	
LPB	146.14 267 ePKP	30 42.00	2.0	
S.D. = 1.1 on 40 of 40 obs.				

? SEP 29, 1993 23h 22m 30.55±12.76s
 36.072 N ±65.4km 1.660 W ±80.0km
 DEPTH = 10.0km (geophysicist)
 WESTERN MEDITERRANEAN SEA (387)
 mbLg 2.3 (MDD).

ENIJ	1.00 334 eP	22 49.29	-0.2	
	eS 23 04.30			
EGUA	1.71 297 eP	23 00.00	-0.6	
	eS 23 24.60			
EHUE	1.89 337 eP	23 03.25	0.0	
	eS 23 29.90			
ECOG	1.95 309 eP	23 04.96	0.8	
	eS 23 29.80			
S.D. = 1.1 on 4 of 4 obs.				
& SEP 29, 1993 23h 59m 15.81s				
59.794 N 153.388 W				
DEPTH = 116.9km				
SOUTHERN ALASKA (2)				
<AEIC>.				
OPT	0.16 150 iPc	59 31.49	0.8	
	eS 59 43.90			
INE	0.31 31 iPc	59 32.00	0.7	
	eS 59 45.38			
ILIM	0.36 37 iPc	59 31.98	-1.0	
	eS 59 45.88			
PDB	0.41 269 iPc	59 32.15	-1.0	
	eS 59 44.91			
AUL	0.41 183 eP	59 32.45	-0.7	
	eS 59 45.74			
AUW	0.43 186 eP	59 32.50	-0.7	
AUH	0.43 184 iPc	59 32.61	-0.7	
AUP	0.43 182 eP	59 32.29	-1.1	
AGU	0.44 183 eP	59 32.68	-0.7	
AUE	0.44 179 iPc	59 32.45	-0.8	
AUI	0.46 182 ePc	59 32.57	-0.8	
	eS 59 45.62			
RED	0.70 26 iPc	59 34.34	-0.9	
	eS 59 48.77			
RS2	0.74 25 iPc	59 34.93	-0.8	
RSO	0.74 25 eP	59 34.98	-0.7	
RDW	0.75 22 iPc	59 34.90	-0.9	
REF	0.78 26 iPc	59 35.19	-0.8	
	eS 59 50.06			
NCT	0.80 16 iPc	59 35.33	-0.8	
	eS 59 50.59			
DFR	0.87 23 iPc	59 35.95	-0.8	
	eS 59 51.97			
CDD	0.88 189 iPd	59 35.58	-1.1	
	eS 59 50.55			
HOM	0.89 98 iPc	59 35.98	-0.8	
	eS 59 52.18			
XLV	0.91 111 eP	59 35.72	-1.3	
	eS 59 51.77			
RDT	0.92 32 iPc	59 36.33	-0.9	
	eS 59 52.01			
CNPM	1.13 103 iPc	59 37.76	-1.4	
	eS 59 54.71			
BRLK	1.27 90 eP	59 39.70	-1.1	
	eS 59 57.46			
BKG	1.40 23 iPd	59 41.65	-0.6	
	eS 00 01.37			
NKA	1.43 47 eP	59 43.39	0.8	
CKL	1.50 20 iPd	59 42.93	-0.6	
	eS 00 03.85			
CKT	1.53 22 ePd	59 43.03	-0.8	
SPU	1.54 25 iPd	59 43.07	-0.9	
CKN	1.55 22 eP	59 43.33	-0.8	
BGL	1.55 18 iPd	59 43.75	-0.4	
CP2	1.58 21 ePd	59 43.83	-0.8	
CRP	1.60 22 ePd	59 43.55	-1.2	
CGLM	1.67 24 iPd	59 44.79	-0.7	
SVW	1.72 321 eP	59 44.54	-1.6	
NCG	1.73 20 eP	59 45.70	-0.6	
SLKM	1.74 64 eP	59 44.91	-1.4	
	eS 00 07.03			
SEW	2.01 79 eP	59 48.09	-1.5	
KDC	2.10 167 eP	59 47.92	-3.0	
SUA	2.12 37 eP	59 50.69	-0.6	
	eS 00 17.16			
MPA	2.13 69 eP	59 49.82	-1.4	
SKT	2.37 22 eP	59 53.57	-0.9	
	eS 00 22.92			
PTE	2.42 62 eP	59 53.62	-1.4	
	eS 00 21.01			
PWA	2.54 41 P	59 56.00	-0.5	
PWL	2.73 65 eP	59 57.03	-2.1	
PLRM	2.76 47 eP	59 58.05	-1.5	
PMR	2.76 47 eP	59 57.19	-2.3	
KNK	2.92 54 eP	59 59.52	-2.2	
GHO	2.95 46 eP	00 00.37	-1.8	

CUT	3.03	29	eP	00	01.73	-1.3
CFI	3.11	61	eP	00	02.22	-1.9
SML	3.20	49	eP	00	02.83	-2.5
TTA	3.39	339	eP	00	05.79	-2.2
HIN	3.50	77	eP	00	06.84	-2.6
MID	3.60	93	P	00	11.10	0.4
SCM	3.61	53	eP	00	08.46	-2.4
HUR	3.67	28	eP	00	11.33	-0.4
VLZ	3.74	66	eP	00	11.41	-1.2
CVA	3.89	76	eP	00	12.78	-1.9
KTH	3.95	16	eP	00	13.94	-1.7
TRF	3.96	21	eP	00	14.02	-1.7
KLU	4.05	62	eP	00	14.40	-2.6
SGAM	4.15	77	eP	00	15.33	-2.9
TOA	4.21	54	P	00	17.20	-1.9
RND	4.22	29	eP	00	17.36	-1.9
DHY	4.38	39	eP	00	18.96	-2.5
RAGM	4.40	78	eP	00	19.56	-2.1
MCK	4.48	26	eP	00	22.12	-0.6
KAIM	4.53	84	eP	00	21.81	-1.5
HMT	4.61	79	P	00	23.20	-1.3
PAX	4.96	47	eP	00	26.90	-2.5
GLB	5.00	67	eP	00	28.05	-1.8
CRQM	5.19	75	eP	00	30.62	-2.0
NEA	5.21	21	eP	00	30.18	-2.4
TGL	5.34	75	eP	00	32.50	-2.1
CCB	5.52	26	eP	00	34.07	-2.9
FBA	5.75	25	eP	00	37.29	-2.7
IL1	5.84	28	iPd	00	38.10	-3.3
ILB	5.84	28	eP	00	38.10	-3.3
IM3	6.22	359	eP	00	44.65	-1.8
IMA	6.30	359	eP	00	45.38	-2.4
BC3	6.46	55	eP	00	47.74	-2.1
82 obs. associated						

&	SEP	30,	1993	00h	22m	45.89s
				37.434 N	119.015 W	
				DEPTH =	2.8km	
				CENTRAL CALIFORNIA		(39)
				<GM-P>. MD 2.8 (GM).		

MMPM	0.18	357	eP	22	49.78	0.3
MEMM	0.24	15	ePc	22	51.14	0.4
MTUM	0.37	102	ePc	22	53.23	-0.1
BONR	0.77	47	eP	23	00.66	-0.6
ISA	1.82	166	ePc	23	19.17	0.7
				eS	23	41.78
ARN	2.01	268	eP	23	21.85	0.7
BCH	2.40	201	eP	23	27.12	0.2
ABL	2.58	184	(P)	23	29.52	0.0
ORV	2.88	318	(P)	23	33.54	0.0
PLM	4.43	156	eP	23	54.80	-1.0
10 obs. associated						

?	SEP	30,	1993	00h	30m	07.12± 1.67s
				18.745 N ±22.4km	62.798 W ±14.8km	
				DEPTH =	33.0km (normal)	
				4.3mb (1 obs.)		
				LEEWARD ISLANDS		(92)

LPR	2.95	262	P	30	54.00	1.3
CPD	3.04	257	P	30	57.40	3.3X
SJG	3.24	259	P	31	04.20	7.3X
CLLP	3.65	260	P	31	03.60	1.0
PORP	3.71	260	P	31	04.10	0.6
APR	3.74	266	P	31	03.00	-0.9
MCP	4.10	266	P	31	06.80	-2.3
MGP	4.14	260	P	31	10.00	0.4
MOCB	39.85	184	P	37	39.60	-0.3
INK	65.62	337	eP	40	50.00	0.3
				1.0s	3.00nm	4.3mb
				S.D. = 1.4 on 8 of 10 obs.		

*	SEP	30,	1993	00h	53m	12.95± 0.53s
				18.090 N ±11.0km	76.519 E ±16.4km	
				DEPTH = 10.0km (geophysicist)		
				4.6mb (13 obs.)		
				SOUTHERN INDIA		(314)

GBA	4.55	169	P	54	21.60	-1.8
				0.3s	6.00nm	
NDI	10.56	3	eP	55	46.00	-1.4
				eS	57	39.00
GEC2	58.75	317	P	03	10.00	-3.6X
				0.8s	0.83nm	3.9mb
				e	03	13.30
HFS	61.01	329	eP	03	28.30	-0.4

30d 01h

NB2 0.4s 1.00nm 4.3mb
62.42 330 P 03 37.80 -0.5
0.7s 1.20nm 4.2mb
LPG 63.21 312 eP 03 43.20 -0.9
0.8s 2.55nm 4.5mb
LPL 63.22 312 eP 03 43.60 -0.5
0.5s 2.40nm 4.6mb
LBF 65.14 314 eP 03 57.20 0.8
0.9s 4.60nm 4.7mb
SSF 65.47 314 eP 03 58.00 -0.4
0.9s 6.20nm 4.8mb
RJF 66.90 312 eP 04 07.90 0.3
1.0s 8.80nm 4.9mb
LPO 67.16 312 eP 04 10.90 1.6
0.6s 2.80nm 4.6mb
LFF 67.47 312 eP 04 12.10 0.9
0.6s 6.95nm 5.0mb
WRA 68.17 121 P 04 16.60 0.7
0.7s 3.90nm 4.7mb
WR2 68.19 121 iPc 04 16.30 0.2
0.7s 9.90nm 5.1mb
ASPA 69.70 125 P 04 26.70 1.3
0.7s 2.80nm 4.5mb
S.D. = 1.1 on 14 of 15 obs.

* SEP 30, 1993 01h 04m 05.63 ± 1.28s
4.259 N ± 8.5km 126.743 E ± 19.9km
DEPTH = 88.3 ± 13.6 km
4.7mb (9 obs.)

TALAUD ISLANDS, INDONESIA (263)

BIP 3.97 353 iPc 05 06.80 1.4
CGP 4.64 334 iPd 05 13.80 -0.9
iS 06 18.00
MAP 6.62 336 iPc 05 45.00 2.9X
PLP 7.08 346 ePd 05 48.20 -0.3
MTN 17.54 166 eP 08 02.00 -4.0X
WR2 25.20 163 eP 09 23.20 -1.5
0.8s 27.10nm 4.7mb
eS 13 49.20
MBL 26.15 195 eP 09 34.20 0.7
0.5s 13.00nm 4.7mb
ASPA 28.62 166 eP 09 56.10 0.2
0.7s 7.70nm 4.4mb
eS 14 52.70
XAN 33.95 333 P 10 41.50 -1.1
0.9s 20.00nm 5.0mb
pP 10 53.00 42kmX
sP 10 57.10
MRWA 34.85 197 eP 10 50.50 0.2
0.3s 2.00nm 4.5mb
TIY 35.78 340 eP 10 59.00 0.9
BJI 36.88 346 eP 11 06.00 -1.2
1.2s 8.00nm 4.5mb
MUN 37.40 195 eP 11 12.50 0.7
0.3s 75.00nm 6.1mb X
LZH 38.06 329 eP 11 18.60 1.2
1.5s 27.00nm 5.0mb
Z 20s 0.74um 4.5MsZ
sP 11 35.00
STK 38.62 160 eP 11 21.40 -0.6
0.8s 5.70nm 4.5mb
GTA 42.65 329 eP 11 53.50 -1.7
GUN 45.43 306 P 12 17.80 -0.2
KKN 45.87 305 P 12 21.20 -0.1
DMN 45.94 305 P 12 22.00 0.1
GBA 49.50 284 P 12 49.00 -0.5
OBN 86.62 325 eP 16 41.00 0.7
1.4s 36.00nm 5.2mb
KAF 91.14 332 iP 17 03.60 2.1
NUR 92.25 331 eP 17 02.90 -3.7X
S.D. = 1.1 on 20 of 23 obs.

* SEP 30, 1993 01h 09m 09.82 ± 0.68s
26.833 S ± 5.8km 26.741 E ± 7.7km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 2.7 (PRE).

BFS 0.08 149 iPd 09 12.20 0.5
S 09 12.90
KSR 0.97 8 eP 09 29.00 0.1
S 09 41.00
SWZ 1.31 254 eP 09 34.80 0.2
S 09 54.10
SEK 1.68 152 eP 09 40.00 -0.1
S 10 01.50

SLR 1.76 52 eP 09 41.20 -0.1
S 10 03.00
BLF 2.32 192 eP 09 49.00 -0.4
S.D. = 0.4 on 6 of 6 obs.

* SEP 30, 1993 01h 25m 00.26 ± 1.97s
37.943 N ± 16.4km 27.437 E ± 21.1km
DEPTH = 10.0km (geophysicist)
TURKEY (366)
ML 3.3 (ISK).

IZM 0.47 343 iPg 25 08.80 -1.1
iSg 25 13.80
CIN 0.62 123 eP 25 11.00 -1.7
KHL 1.69 76 ePn 25 31.00 1.0
EZM 2.07 336 iPn 25 36.80 1.4
ELL 2.30 120 ePn 25 40.00 1.0
EDC 2.42 8 ePn 25 40.70 0.2
BNT 2.44 9 ePn 25 40.40 -0.4
KGT 2.51 358 ePn 25 41.30 -0.4
S.D. = 1.3 on 8 of 8 obs.

* SEP 30, 1993 02h 00m 18.66 ± 0.83s
42.724 N ± 9.5km 147.583 E ± 11.2km
DEPTH = 10.0km (geophysicist)
4.8mb (8 obs.) 3.9MsZ (2 obs.)
OFF COAST OF HOKKAIDO, JAPAN (225)

KUSJ 2.14 281 P 00 53.70 -1.2
eS 01 15.20
HOOJ 3.19 265 P 01 11.80 2.0
ASAJ 3.86 293 eP 01 19.90 0.6
MRRJ 4.82 269 eP 01 33.80 0.9
eS 02 26.60
OFUJ 5.77 233 P 01 46.30 -0.1
eS 02 47.60
NIJ 8.56 233 eP 02 25.40 -0.2
KAKJ 8.67 224 eP 02 25.70 -1.3
eS 03 54.90
CHJJ 9.41 228 eP 02 37.30 0.1
eSS 04 13.30
MAT 9.50 233 eP 02 38.00 -0.6
0.9s 7.56nm 5.1mb
eS 04 26.00
MTMJ 9.71 234 eP 02 40.80 -0.7
IIDJ 10.43 229 eP 02 52.80 1.5
BJI 23.65 274 eP 05 30.00 -0.7
1.4s 24.00nm 4.6mb
SSE 23.99 250 eP 05 37.00 2.9X
1.5s 37.00nm 4.8mb
Z 20s 0.40um 3.9MsZ
S 10 04.00

IMA 39.36 33 eP 07 51.33 1.7
0.5s 2.60nm 4.2mb
INK 47.13 30 eP 09 05.50 13.2X
RES 55.86 17 ePc 09 58.30 0.2
0.8s 4.00nm 4.5mb
pP 10 09.00 36kmX
KAF 65.37 334 eP 11 01.50 -1.4
OBN 66.33 324 eP 11 08.00 -1.1
1.1s 12.00nm 5.0mb
GBA 66.34 267 P 11 11.00 1.3
NUR 67.09 333 iP 11 12.60 -1.3
NB2 70.67 339 P 11 35.40 -0.7
0.7s 6.00nm 4.8mb
HFS 70.76 338 eP 11 35.20 -1.4
0.5s 6.20nm 5.0mb
Z 18s 0.06um 3.9MsZ
LR 45 12.00
CLL 78.37 333 eP 12 22.00 1.5
KHC 80.01 331 eP 12 30.40 0.9
e 12 41.50
GEC2 80.21 331 P 12 41.90 11.3X
0.9s 1.07nm
S.D. = 1.2 on 22 of 25 obs.

* SEP 30, 1993 02h 02m 18.48 ± 2.00s
14.031 N ± 26.1km 92.773 W ± 12.9km
DEPTH = 33.0km (normal)
4.4mb (3 obs.)
NEAR COAST OF CHIAPAS, MEXICO (69)
MD 4.6 (GCG).

TPX 1.00 30 iP 02 37.00 0.8
iS 02 54.00
IXG 2.25 86 eP 02 54.19 -0.2
eS 03 26.98

SCX 2.69 3 iP 03 05.00 4.6X
iS 03 40.00
YUP 2.89 86 ePd 03 03.84 0.5
OXX 4.87 309 iP 03 34.00 2.5X
IISM 6.62 319 iP 04 03.00 7.0X
PPM 7.52 313 iP 04 13.00 3.8X
LTX 18.27 328 eP 06 33.23 2.0
UYO 20.11 356 iPd 06 50.80 -1.5
MIAR 20.44 358 eP 06 54.18 -1.6
0.9s 6.19nm 4.0mb
TUC 24.53 321 eP 07 35.25 -1.2
3.0s 45.16nm 4.5mb
PV08 28.20 333 eP 08 11.62 1.0
PV10 28.21 332 eP 08 11.25 0.7
YKA 50.83 347 eP 11 17.20 -0.5
0.8s 6.00nm 4.6mb
S.D. = 1.4 on 10 of 14 obs.

* SEP 30, 1993 02h 16m 56.30 ± 0.72s
18.159 N ± 11.2km 76.658 E ± 13.6km
DEPTH = 10.0km (geophysicist)
4.5mb (5 obs.)

SOUTHERN INDIA (314)

POO 2.69 278 ePn 17 41.50 1.0
iSn 18 13.00
GBA 4.59 171 P 18 05.60 -1.8
NDI 10.49 3 eP 19 29.00 -0.8
eS 20 23.00
GEC2 58.79 317 P 26 57.00 -0.2
0.7s 0.55nm 3.8mb
NB2 62.42 330 P 27 20.60 -1.1
0.9s 2.10nm 4.3mb
WRA 68.09 121 P 27 59.70 0.9
0.7s 4.60nm 4.8mb
WR2 68.11 121 eP 27 59.30 0.4
0.6s 10.10nm 5.2mb
ASPA 69.63 125 P 28 09.80 1.5
0.7s 2.80nm 4.5mb
S.D. = 1.3 on 8 of 8 obs.

* SEP 30, 1993 03h 30m 02.92 ± 0.46s
8.171 N ± 10.0km 37.852 W ± 16.3km
DEPTH = 10.0km (geophysicist)
4.9mb (6 obs.)

CENTRAL MID-ATLANTIC RIDGE (406)

SOB1 17.53 190 (P) 34 11.00 1.8
BAO 25.70 203 eP 35 35.30 0.1
i 35 41.00
RSTA 34.40 198 (P) 36 50.00 -2.5
CCH 37.76 228 P 37 22.40 0.9X
LPB 38.71 231 eP 37 26.00 -3.6X
Z 24s 0.78um 4.4MsZ
eLR 49 10.00
CNCB 38.79 230 P 37 25.30 -5.1X
GRF 58.09 35 eP 39 58.80 0.0
Z 20s 0.10um 3.9MsZ
e 40 06.10
MOX 58.77 34 eP 40 02.90 -0.6
Z 19s 0.20um 4.3MsZ
GEC2 59.16 37 P 40 05.30 -1.1
0.8s 0.57nm 3.8mb X
e 40 13.20
KHC 59.21 37 P 40 07.00 0.3
1.4s 11.00nm 4.8mb
e 40 13.50
TUL 59.40 307 iP 40 07.90 -0.2
CLL 59.86 34 eP 40 14.00 3.0X
1.6s 22.00nm 5.0mb
PRU 60.15 36 eP 40 13.00 0.0
e 40 15.50
e 40 20.20
BRG 60.19 35 eP 40 20.00 6.7X
1.8s 22.00nm 5.0mb
ZST 60.97 39 eP 40 18.40 -0.2
e 40 25.50
KSP 61.52 36 eP 40 22.00 -0.4
SRO 61.59 40 eP 40 23.50 0.7
PSZ 62.62 40 eP 40 29.80 -0.1
SPC 63.27 39 eP 40 35.50 1.2
ULM 63.59 323 eP 40 37.00 0.9
NB2 63.96 24 P 40 38.30 -0.1
1.2s 9.30nm 4.8mb
HFS 64.51 26 eP 40 42.20 0.2
0.5s 0.90nm 4.2mb
MLR 65.93 44 eP 40 51.50 0.0

30d 03h

OBN 74.45 35 eP 41 47.00 4.0X
1.5s 28.00nm 5.1mb
S.D. = 1.0 on 18 of 24 obs.

% SEP 30, 1993 03h 48m 58.95± 2.09s
16.278 N ±19.2km 98.388 W ± 8.6km
DEPTH = 33.0km (normal)
NEAR COAST OF GUERRERO, MEXICO (58)

ACX 1.53 293 iP 49 23.82 -0.4
is 49 43.50
OXX 1.78 63 iP 49 28.15 0.0
is 49 51.00
IIT 2.73 2 iP 49 41.00 -0.6
is 50 13.50
PPM 2.78 355 iP 49 42.09 -0.5
is 50 16.50
IISM 2.86 20 iP 49 43.83 0.6
(S) 50 15.00
IIA 2.87 355 iP 49 43.60 0.3
UNM 3.13 346 (P) 50 00.00 12.6X
CRX 3.35 339 eP 49 50.00 -0.5
is 50 33.00
LVVM 3.90 28 (P) 50 08.00 9.9X
MRX 4.33 322 (P) 50 05.38 1.3
(S) 51 01.00

S.D. = 0.8 on 8 of 10 obs.

* SEP 30, 1993 04h 04m 05.95± 1.05s
19.153 S ±12.4km 167.519 E ±20.3km
DEPTH = 36.7km (4 depth phases)
4.9mb (10 obs.)

VANUATU ISLANDS REGION (185)

DZM 3.07 199 iPc 04 51.40 -2.0
is 05 39.00
CTA 20.05 264 eP 08 39.70 0.7
0.9s 253.36nm 5.6mb
i 08 49.40
CTA 20.05 264 iPc 08 40.00 1.0
1.0s 22.50nm 4.5mb
ipP 08 49.50 38km
CNB 22.74 221 eP 09 08.00 1.9
BWA 22.79 224 eP 09 05.50 -1.1
epP 09 17.80 50kmX
CAN 22.97 222 eP 09 09.60 1.3
epP 09 19.40 36km
STK 26.53 236 eP 09 42.60 0.4
1.0s 7.80nm 4.3mb
isP 09 52.60
WR2 31.23 263 eP 10 21.50 -3.0X
1.0s 3.20nm 4.1mb
ASPA 31.57 256 eP 10 25.70 -1.8
0.9s 19.00nm 4.9mb
Z 22s 0.30um 3.9MsZ
i 10 36.00
NANU 48.51 256 eP 12 47.70 0.2
0.7s 11.00nm 5.0mb
BJI 75.86 322 eP 15 48.50 -1.8
KMI 76.85 303 Pc 15 57.00 0.4
1.5s 50.00nm 5.3mb
HHC 79.11 320 eP 16 08.00 -0.5
1.0s 26.00nm 5.2mb
Z 25s 0.69um 4.9MsZ
N 14s 0.25um
sP 16 31.00
LZH 81.47 313 iPc 16 20.00 -1.2
1.5s 27.00nm 5.0mb
pP 16 32.00 40km
GTA 85.89 314 eP 16 43.00 -0.6
1.5s 10.00nm 4.8mb
pP 16 53.50 33km
GEC2 143.63 331 PKP 23 35.20 -3.5X
1.0s 1.12nm
e 23 45.60
LJU 145.15 326 e(PKP) 23 39.80 -1.5X
e 23 50.40
VOY 145.49 327 ePKP 23 40.90 -1.1X
e 23 51.00
WLF 146.09 338 iPKPc 23 43.69 1.0
2.0s 28.00nm
ic 23 53.69
CDF 146.72 336 iPKPd 23 44.60 0.7
1.0s 12.20nm
HAU 147.40 336 iPKPd 23 46.30 1.4
0.9s 6.40nm
LOR 148.94 338 iPKPd 23 50.50 3.1X

0.9s 7.85nm
LBF 149.14 338 iPKPd 23 50.90 3.2X
1.1s 6.10nm
SSF 149.24 338 iPKPd 23 51.40 3.6X
1.1s 16.85nm
LPG 149.27 333 iPKPd 23 52.10 3.8X
1.0s 5.00nm
TCF 150.35 339 iPKPd 23 54.10 4.5X
1.1s 7.55nm
PGF 150.43 327 iPKPd 23 54.10 4.2X
0.9s 17.85nm
FRF 150.83 331 iPKPd 23 53.80 3.5X
1.1s 20.25nm
LMR 151.07 331 iPKPd 23 55.40 4.7X
0.8s 8.85nm
S.D. = 1.3 on 17 of 29 obs.

? SEP 30, 1993 05h 01m 19.17± 1.00s
40.537 N ±12.6km 23.701 E ±12.7km
DEPTH = 10.0km (geophysicist)

GREECE (364)
ML 2.0 (THE).

OUR 0.29 133 ePg 01 25.26 -0.1
iSg 01 29.98
SOH 0.39 317 ePg 01 26.70 -0.4
eSg 01 32.26
SRS 0.59 352 ePg 01 31.22 0.2
eSg 01 41.26
GRG 1.07 293 ePg 01 39.69 0.3
eSg 01 55.02
S.D. = 0.6 on 4 of 4 obs.

SEP 30, 1993 05h 41m 15.07± 1.30s
1.681 S ± 4.4km 100.573 E ± 5.8km
DEPTH = 68.7 ± 11.0 km
5.3mb (54 obs.)

SOUTHERN SUMATERA, INDONESIA (274)
Felt at Padang.

LEM 8.69 126 ePc 43 21.00 0.4
SNG 8.80 0 eP 43 22.90 0.9
e 45 12.00
NNT 14.20 357 eP 44 38.00 3.7X
NST 17.25 359 eP 45 09.50 -3.5X
CHTO 20.43 356 eP 45 48.20 -1.1
0.9s 18.54nm 4.4mb
QIZ 22.51 23 P 46 11.00 0.9
NANU 25.34 146 eP 46 37.90 0.7
KOD 25.87 298 eP 46 32.50 -10.1X
KMI 26.73 4 Pc 46 50.50 0.2
1.0s 60.00nm 5.1mb
Z 20s 1.40um 4.5MsZ
MBL 26.97 137 iPd 46 52.30 0.0
0.5s 6.00nm 4.4mb
GBA 27.51 304 Pc 46 57.00 -0.3
GYA 28.59 11 iPc 47 07.00 0.0
1.0s 40.00nm 5.0mb
Z 20s 0.79um 4.3MsZ
LSA 32.48 345 P 47 41.00 -0.7
1.0s 85.00nm 5.5mb
CD2 32.55 5 iPc 47 40.40 -1.5
Z 21s 0.95um 4.5MsZ
GUN 32.64 335 P 47 43.60 0.6
DMN 32.70 334 P 47 43.60 0.1
KKK 32.79 334 P 47 44.60 0.4
POO 33.08 309 eP 47 48.00 1.3
MUN 33.55 156 eP 47 51.20 0.7
0.7s 25.00nm 5.2mb
WHN 34.63 21 eP 48 00.70 0.9
XAN 36.39 12 P 48 13.40 -1.3
0.8s 110.00nm 5.8mb
Z 25s 1.12um 4.5MsZ
N 18s 0.68um
eS 53 46.00
NDI 37.59 325 iPc 48 23.70 -1.1
eS 54 21.50
WRA 37.66 121 P 48 24.00 -1.6
0.8s 17.70nm 5.0mb
WR2 37.69 121 eP 48 23.80 -2.0
0.5s 18.30nm 5.3mb
iPcP 50 41.60
eS 53 59.50
LZH 37.70 4 iPc 48 25.50 -0.3
1.5s 61.00nm 5.3mb
Z 23s 0.83um 4.5MsZ
N 16s 0.61um

PcP 50 42.50
NJ2 37.76 26 Pd 48 27.60 1.4
1.0s 21.00nm 5.0mb
SSE 38.04 29 Pc 48 30.50 2.0
1.2s 51.00nm 5.3mb
Z 20s 0.90um 4.6MsZ
FORT 38.92 141 eP 48 36.30 0.4
0.7s 32.00nm 5.3mb
ASPA 38.98 127 iPc 48 35.80 -0.8
0.7s 136.70nm 6.0mb
Z 23s 0.30um 4.1MsZ
iPcP 50 46.00
eS 54 28.60
TIY 40.71 14 eP 48 51.00 0.3
Z 30s 0.78um 4.4MsZ
TIA 40.73 21 eP 48 51.10 0.3
Z 21s 0.86um 4.6MsZ
GTA 40.90 359 iPc 48 52.00 -0.2
1.5s 33.00nm 4.9mb
Z 22s 0.64um 4.4MsZ
E 13s 0.24um
pP 49 08.00 63kmX
PcP 50 52.00
QIS 42.46 119 iPd 49 04.10 -1.1
BTO 42.95 11 eP 49 08.00 -1.0
HHC 43.50 12 Pc 49 14.60 1.1
1.0s 30.00nm 5.1mb
Z 25s 0.69um 4.5MsZ
N 14s 0.26um
BJI 43.91 17 eP 49 17.50 0.9
1.0s 38.00nm 5.2mb
Z 20s 0.84um 4.6MsZ
KSH 46.75 334 eP 49 38.50 -0.9
0.6s 30.00nm 5.4mb
WMQ 46.75 347 iPc 49 40.00 0.7
1.0s 180.00nm 6.0mb
Z 20s 0.32um 4.3MsZ
pP 49 56.80 66kmX
S 56 28.10
sS 56 54.00
CTA 48.22 116 iPc 49 49.60 -1.5
0.8s 200.00nm 6.1mb
ADE 48.52 137 eP 49 54.80 1.5
STK 48.93 132 iPc 49 55.90 -0.5
1.0s 19.80nm 5.1mb
epP 50 08.70 47kmX
eS 54 45.10
FRU 50.10 335 iPc 50 06.00 0.7
1.6s 170.00nm 5.8mb
e 50 23.00
e 57 15.00
e 57 28.00
CN2 50.47 23 Pd 50 07.70 -0.2
0.8s 40.00nm 5.5mb
MAT 51.67 39 eP 50 16.00 -1.2
1.3s 30.77nm 5.2mb
ZAK 51.92 2 iPc 50 18.20 -0.5
1.0s 15.00nm 5.0mb
MDJ 52.85 26 Pd 50 26.30 0.4
0.9s 17.00nm 5.1mb
MAIO 53.74 319 eP 50 31.00 -1.6
CIT 54.61 10 eP 50 39.00 0.2
BWA 55.18 132 eP 50 44.10 0.8
ASH 55.44 320 eP 50 43.50 -1.4
CAN 56.00 132 eP 50 48.50 -0.6
ARMA 56.12 126 iPd 50 50.80 0.6
1.0s 54.00nm 5.5mb
CNB 56.27 132 iPd 50 50.80 -0.3
0.9s 12.00nm 4.9mb
YSS 60.93 32 eP 51 25.00 1.9
CSY 64.86 176 eP 51 49.20 0.5
2.4s 5.60nm 4.1mb X
SVE 66.60 337 iPc 51 59.00 -1.1
e 52 15.20
ARU 67.11 336 iPc 52 02.20 -1.1
1.0s 50.00nm 5.4mb
e 52 12.00
e 52 21.00
YAK 67.29 14 iPc+ 52 02.00 -2.3
0.9s 255.00nm 6.2mb
PYA 68.47 319 iP 52 11.00 -1.1
1.0s 150.00nm 5.9mb
i 52 20.00
SKR 70.27 34 eP 52 23.50 0.6
0.7s 90.00nm 5.8mb
e 52 40.80
MAW 70.73 194 P 52 28.70 3.3X

KRI	71.29	253	iP	52	46.70	16.8X	OGA	90.90	317	iPd	54	12.90	0.1	i	02	30.90
BUL	72.49	250	iP	52	30.40	-6.6X	NB2	91.15	331	P	54	13.20	-0.2	LR	57	14.00
PET	72.78	32	eP	52	38.00	0.2		0.8s		0.80nm			4.1mb	X		
SLR	73.33	244	e(P)	52	24.50	-17.3X	OSS	91.51	316	iPc	54	16.60	1.0			
SEK	74.21	241	e(P)	52	38.00	-8.9X	TMA	92.38	316	ePd	54	19.90	0.3			
WVZ	74.43	134	P	52	47.20	-0.5	DIX	93.40	316	ePc	54	25.50	1.1			
KSR	74.59	244	eP	52	35.00	-14.2X	CDF	93.44	318	eP	54	24.50	0.2			
	1.0s		46.00nm					0.6s		3.25nm			4.9mb			
QRZ	75.29	132	P	52	52.90	0.2	LPG	93.87	315	eP	54	26.90	0.3			
TIK	75.44	9	iPc+	52	53.00	0.1		0.7s		5.50nm			5.1mb			
	1.4s		180.00nm			5.8mb	LPL	93.89	315	eP	54	27.00	0.4			
		i		53	10.00			0.8s		7.50nm			5.2mb			
		eS		02	27.00		HAU	94.07	318	eP	54	27.30	0.1			
MOS	76.52	329	eP	52	59.00	-0.3		0.8s		8.20nm			5.2mb			
	2.0s		240.00nm			5.8mb	LOR	95.79	317	eP	54	35.20	0.1			
OBN	76.81	328	iPc	53	00.50	-0.4		1.0s		8.80nm			5.2mb			
	1.0s		94.00nm			5.7mb	SMF	95.85	317	eP	54	35.50	0.2			
		i		53	13.50			0.8s		5.65nm			5.1mb			
		i		53	19.50		SSF	96.05	317	eP	54	36.50	0.3			
MNG	77.47	131	P	53	03.80	-1.1		0.8s		4.45nm			5.0mb			
MTW	77.56	132	P	53	05.60	0.2	AVF	96.17	317	eP	54	37.00	0.3			
BLW	77.58	132	P	53	05.50	0.0		1.2s		11.30nm			5.3mb			
PGZ	78.06	131	P	53	07.00	-1.1	IMA	97.89	23	eP	54	44.84	0.5			
KIS	78.85	319	eP	53	12.00	-0.3		1.1s		8.98nm			5.2mb			
		e		53	29.00				epP		55	02.06	60kmX			
		e		56	12.00		NEW	123.38	29	ePKP	00	05.55	-0.5			
VRI	80.01	317	ePc	53	19.50	0.9			e		00	17.96				
MLR	80.46	317	ePc	53	21.00	-0.2	MCMT	127.89	30	ePKP	00	15.80	0.7			
RZN	80.58	313	iP	53	21.00	-1.0			e		00	30.80				
MMB	81.29	312	iP	53	24.00	-1.5	JAQ	127.96	357	ePKP	00	13.50	-1.1			
MNK	81.41	325	eP	53	25.00	-0.7	ULM	129.63	14	ePKP	00	20.50	2.6X			
PUL	81.62	331	(P)	53	38.00	11.3X	HVU	130.08	33	ePKP	00	19.83	0.5			
KKB	81.82	313	iP	53	27.00	-1.2	BW06	131.01	29	ePKP	00	21.68	0.6			
VTS	81.85	313	iPc	53	27.00	-1.5	DUG	131.15	34	PKP	00	21.77	0.4			
BCAO	82.19	275	iPc	53	30.											

30d 06h

BSF	4.40	329	Pn	17 52.30	-0.7
			Sn	18 12.40	
HAU	4.71	327	Pn	17 16.60	-0.9
			Sn	18 08.70	
CDF	4.74	336	Pn	17 16.40	-1.6
			Sn	18 10.70	
SMF	5.12	302	Pn	17 23.40	0.1
			Sn	18 19.20	
LBF	5.21	306	Pn	17 24.50	0.0
			Sn	18 22.00	
GEC2	5.33	26	Pn	17 24.10	-2.2
			Sn	18 23.60	
LOR	5.43	308	Pn	17 27.40	-0.2
			Sn	18 25.80	
AVF	5.49	302	Pn	17 28.30	-0.1
SSF	5.52	305	Pn	17 28.50	-0.5
KHC	5.55	24	ePn	17 27.00	-2.3X
			eSg	18 25.50	
BGF	5.71	298	Pn	17 31.40	-0.1
MAF	5.77	294	Pn	17 32.80	0.4
CAF	5.84	281	Pn	17 32.70	-0.8
TCF	6.02	294	Pn	17 35.80	-0.2
EPF	7.21	265	Pn	17 50.80	-2.0

S.D. = 0.8 on 48 of 52 obs.

SEP 30, 1993 07h 09m 42.92± 1.36s
54.050 N ± 7.3km 155.185 E ± 4.2km
DEPTH = 416.2 ± 16.1 km
4.4mb (36 obs.)

KAMCHATKA

(217)

ASAJ	12.88	225	eP	12 32.80	-1.2
KUSJ	12.95	216	eP	12 29.20	-5.5X
			eS	14 41.90	
HOOJ	14.09	219	eP	12 41.50	-5.4X
			eS	15 07.90	
OFUJ	17.57	217	eP	13 23.80	1.1
MDJ	19.07	251	eP	13 37.30	0.0
	1.0s	60.00nm		5.0mb	
MAT	21.10	221	eP	13 58.00	1.0
	0.8s	26.12nm		4.7mb	
IMA	27.34	44	iPc	14 53.01	-0.5
	0.4s	5.05nm		4.3mb	
KDC	28.96	61	eP	15 05.90	-1.6
	0.3s	4.94nm		4.3mb	
BJI	29.62	258	eP	15 13.00	-0.5
	1.2s	10.00nm		4.1mb	
Z	20s	0.90um		4.4Msz	
FBA	29.84	46	iPc	15 15.17	-0.1
	0.4s	11.42nm		4.6mb	
KLU	31.27	52	ePc	15 27.18	-0.5
HHC	31.78	264	P	15 32.60	0.3
	1.0s	7.10nm		4.0mb	
BTO	32.85	265	eP	15 42.10	0.7
BALM	33.05	52	eP	15 42.94	0.1
NJ2	33.91	244	Pc	15 49.80	-0.4
	1.0s	23.00nm		4.5mb	
INK	34.91	38	ePc	15 59.00	0.8
	0.5s	12.00nm		4.5mb	
XAN	37.95	257	P	16 22.60	-1.3
	1.0s	8.00nm		4.0mb	
Z	20s	0.91um		4.6Msz	
LZH	39.47	264	iPd	16 37.50	1.1
	1.0s	46.00nm		4.8mb	
Z	20s	0.84um		4.6Msz	
E	15s	0.51um			
		pP	17 55.50	405kmX	
GTA	39.62	272	iPd	16 38.50	0.9
	1.0s	36.00nm		4.7mb	
Z	19s	0.86um		4.6Msz	
E	15s	0.57um			
CD2	43.21	259	iPc	17 06.70	0.3
WMQ	43.89	285	P	17 13.00	1.3
	1.2s	23.00nm		4.4mb	
Z	16s	0.83um		4.7MszX	
YKA	44.41	42	eP	17 16.00	0.5
	0.7s	8.10nm		4.2mb	
GYA	44.93	252	iPc	17 19.80	-0.3
	1.0s	22.00nm		4.5mb	
KMI	48.18	255	eP	17 44.50	-0.7
	1.4s	30.00nm		4.5mb	
RMW	50.06	61	eP	17 59.22	0.1
NEW	51.92	58	eP	18 11.69	-1.0
	0.9s	14.33nm		4.3mb	
LGPM	53.90	68	eP	18 27.82	0.6
LBPM	54.11	67	iPc	18 29.39	0.5

GUN	55.91	272	P	18 41.40	-0.4
KKN	56.35	272	P	18 44.40	-0.4
	0.6s	22.00nm		4.7mb	
MCMT	56.42	59	ePc	18 44.90	-0.2
DMN	56.59	272	P	18 46.20	-0.3
	0.8s	40.00nm		4.9mb	
CMB	57.27	69	ePc	18 50.77	0.0
	0.8s	6.63nm		4.1mb	
MEMM	58.33	68	iPd	18 59.36	1.5
BONR	58.47	68	eP	18 59.21	-0.1
TNP	58.96	67	ePc	19 02.60	0.0
	0.8s	12.12nm		4.4mb	
BCH	59.49	71	ePc	19 06.09	0.0
BW06	59.55	58	iPc	19 06.57	0.0
	0.7s	14.06nm		4.5mb	
DUG	59.77	62	iPd	19 08.17	0.2
	0.9s	15.19nm		4.4mb	
ISA	60.04	70	ePc	19 08.53	-1.1
	0.9s	6.50nm		4.1mb	
ULM	60.24	44	eP	19 12.50	1.8
TPNV	60.32	67	eP	19 11.67	0.1
	0.9s	14.93nm		4.5mb	
DAU	60.42	61	eP	19 12.49	0.0
EMUT	61.09	61	ePc	19 16.64	-0.2
ARUT	61.21	65	ePc	19 17.50	0.0
GSC	61.22	69	ePc	19 17.62	0.1
RSSD	61.26	54	iPc	19 17.70	-0.1
	0.8s	32.44nm		4.9mb	
MSU	61.35	63	iPc	19 19.06	0.6
NB2	61.74	341	P	19 19.60	-0.9
	0.4s	0.90nm		3.7mb	
SRU	61.77	62	ePc	19 21.12	0.0
HFS	62.08	339	eP	19 21.80	-0.8
	0.3s	1.50nm		3.9mb	
PV09	62.94	61	ePc	19 28.88	-0.1
PV10	63.08	61	iPc	19 30.09	0.3
PV08	63.14	61	ePc	19 30.18	-0.1
GLD	63.98	58	eP	19 36.54	1.1
	1.0s	16.41nm		4.6mb	
GLA	63.99	69	eP	19 35.58	0.2
TUC	66.76	67	eP	19 54.04	1.1
	1.3s	10.29nm		4.4mb	
ALQ	67.04	62	eP	19 54.90	0.2
	0.8s	6.23nm		4.4mb	
WMOK	71.10	57	ePc	20 18.29	-0.6
	0.8s	8.96nm		4.4mb	
TUL	71.60	54	iP	20 21.70	-0.1
GAC	71.69	35	eP	20 21.00	-1.0
GBA	71.92	268	P	20 25.00	1.2
FVM	72.39	49	eP	20 25.51	-0.8
	0.8s	13.65nm		4.6mb	
LTX	72.90	64	ePc	20 29.67	0.2
UYO	73.66	54	iPc	20 33.10	-0.5
OXF	75.72	50	eP	20 45.12	-0.1
WR2	75.84	200	eP	20 45.00	-0.9
	0.3s	6.10nm		4.8mb	
WRA	75.84	200	P	20 45.50	-0.4
	0.6s	2.40nm		4.1mb	
ASPA	79.55	200	iPc	21 05.40	-0.4
	0.5s	12.30nm		4.9mb	

S.D. = 0.7 on 67 of 69 obs.

SEP 30, 1993 07h 15m 49.95± 0.81s
51.403 N ± 4.5km 158.744 E ± 4.4km
DEPTH = 49.2 ± 7.3 km
4.8mb (51 obs.) 4.4Msz (5 obs.)
NEAR EAST COAST OF KAMCHATKA (218)

PET	1.62	358	iPn	16 16.00	-0.5
			iS	16 36.00	
SKR	1.82	247	iPnd	16 18.10	-1.3
			iS	16 39.70	
KUR	9.51	234	ePn	18 07.00	0.0
Z	16s	2.40um			
N	16s	6.70um			
E	16s	5.60um			
		eS	20 08.50		
MGD	9.79	336	ePn	18 13.00	2.1
Z	16s	2.50um			
		e	20 05.00		
YSS	11.36	254	ePnc	18 33.50	1.3
Z	18s	2.00um			
E	18s	2.00um			
KUSJ	12.63	234	eP	18 42.90	-6.2X
ASAJ	13.04	242	P	18 54.50	0.0
OFUJ	17.16	231	eP	19 49.00	1.4
YAK	18.97	315	iPc	20 08.70	-0.9

	1.2s	196.00nm		5.2mb	
Z	14s	1.40um		4.4Msz	
E	14s	1.10um			
ILT	19.88	25	eP	20 20.00	0.6
NIJ	19.91	232	P	20 19.20	-0.8
MAT	20.85	233	eP	20 29.00	-0.8
	1.0s	87.00nm		5.0mb	
Z	20s	0.71um		4.0Msz	
		eS	24 28.00		
CHJJ	20.86	230	eP	20 29.20	-0.6
MTMJ	21.02	233	P	20 30.90	-0.7
IIDJ	21.84	231	eP	20 39.20	-0.6
TSRJ	22.76	235	eP	20 47.80	-0.9
WKYJ	23.99	233	P	21 02.30	1.5
TIK	24.29	337	iPc	21 05.00	1.7
	0.6s	10.00nm		4.5mb	
Z	12s	1.00um		4.5MszX	
		e	21 57.00		
YONJ	24.34	238	P	21 05.10	1.0
TKSJ	24.96	235	eP	21 11.10	1.0
CIT	27.65	289	eP	21 33.00	-1.7
IMA	27.86	40	eP	21 35.20	-1.4
	1.1s	8.30nm		4.3mb	
FBA	30.22	43	eP	21 56.50	-1.1
TOA	31.07	48	eP	22 04.30	-0.9
INK	35.72	36	eP	22 45.50	0.3
	0.8s	7.00nm		4.6mb	
		pP	22 55.50	34kmX	
RES	45.20	21	eP	24 06.00	2.8
	1.0s	6.00nm		4.4mb	
RMW	49.43	61	(P)	24 36.95	0.3
KMI	49.71	260	Pd	24 38.50	-0.8
	1.0s	40.00nm		5.4mb	
		sP	24 51.00		
SVE	52.96	317	eP	24 53.00	-10.1X
Z	14s	1.00um		5.0MszX	
N	14s	0.50um			
E	14s	0.50um			
ORV	54.51	69	iPd	25 14.75	0.0
MCMT	55.94	59	iPc	25 24.90	-0.5
CMB	56.17	70	ePc	25 26.90	0.0
	1.0s	5.36nm		4.5mb	
TNP	57.99	68	ePc	25 39.73	-0.2
	0.6s	5.82nm		4.9mb	
DUG	59.06	63	ePd	25 47.55	0.2
	1.0s	13.14nm		5.0mb	
BW06	59.08	59	iPc	25 47.50	-0.1
	0.6s	9.74nm		5.1mb	
TPNV	59.32	68	eP	25 49.31	0.1
	0.9s	9.95nm		4.9mb	
DAU	59.78	62	eP	25 52.80	0.3
MSU	60.58	64	eP	25 57.95	0.1
		e	26 13.36		
KAF	60.71	337	iP	25 56.30	-1.8
RSSD	61.05	55	ePc	26 00.68	-0.3
	1.4s	64.97nm		5.6mb	
NNT	61.07	253	eP	26 01.30	0.2
SRU	61.09	63	iPc	26 01.17	0.0
PV10	62.43	62	iPc	26 10.45	0.1
NUR	62.50	336	eP	26 08.00	-2.1
SNG	64.85	249	eP	26 28.00	2.0
NB2	64.93	343	P	26 24.50	-1.6
	0.6s	7.30nm		4.9mb	
HFS	65.30	342	eP	26 26.60	-1.8
	0.4s	11.50nm		5.2mb	
Z	20s	0.28um		4.5Msz	
		LR	53 22.00		
TUC	65.78	68	eP	26 33.11	1.2
	1.4s	9.96nm		4.7mb	
		e	26 50.90		
ALQ	66.34	63	eP	26 35.55	-0.1
	0.6s	3.13nm		4.5mb	</

GYA	5.22	156	Sn	07	01.50	
			Pn	06	16.40	4.7X
			Sn	07	16.80	
KMI	6.26	193	ePn	06	26.50	0.0
			Sn	07	38.00	
WHN	8.68	92	P	07	00.00	-0.1
HHC	11.23	30	P	07	35.00	-0.3
CN2	20.87	47	Pc	09	36.40	0.3
	0.8s	18.00nm				4.5mb
WRA	58.52	146	P	14	50.80	0.3
	0.5s	2.10nm				4.5mb
WR2	58.54	146	iPc	14	50.30	-0.3
	0.6s	5.80nm				4.8mb
	S.D. = 0.3	on	7	of	9	obs.

& SEP 30, 1993 09h 35m 11.65s						
59.758 N 153.346 W						
DEPTH = 124.8km						
SOUTHERN ALASKA (2)						
<AEIC>.						
OPT	0.12	151	iP	35	28.30	0.9
			eS	35	41.45	
INE	0.34	25	eP	35	28.87	0.7
			eS	35	42.55	
ILIM	0.38	31	iP	35	28.87	-0.9
AUL	0.38	187	eP	35	29.51	-0.2
AUW	0.39	189	eP	35	29.52	-0.3
AUH	0.40	187	eP	35	29.75	-0.2
AUP	0.40	185	(P)	35	28.94	-1.0
AUE	0.40	182	eP	35	29.19	-0.6
RED	0.72	23	eP	35	31.19	-0.9
			eS	35	46.38	
RS2	0.77	22	eP	35	31.68	-0.9
RSO	0.77	23	eP	35	31.80	-0.7
RDW	0.78	20	eP	35	31.70	-0.9
REF	0.80	23	eP	35	32.02	-0.8
			eS	35	47.96	
NCT	0.83	14	iP	35	32.07	-0.9
			eS	35	47.82	
CDD	0.84	191	iP	35	32.00	-1.0
			eS	35	47.45	
HOM	0.87	96	eP	35	30.89	-2.2
XLV	0.88	110	eP	35	33.10	-0.2
DFR	0.90	21	iP	35	32.73	-0.8
			eS	35	49.54	
RDT	0.94	29	eP	35	32.83	-1.1
CNPM	1.10	101	eP	35	35.26	-0.1
BKG	1.42	22	iP	35	38.25	-0.7
			eS	35	58.01	
NKA	1.44	46	eP	35	41.21	2.2
CKL	1.53	19	iP	35	39.56	-0.6
			eS	36	01.65	
CKT	1.55	21	eP	35	39.61	-0.9
SPU	1.57	24	eP	35	39.87	-0.7
			eS	36	02.27	
BGL	1.58	17	eP	35	40.39	-0.4
CP2	1.61	19	eP	35	40.30	-0.9
CRP	1.62	21	eP	35	39.45	-1.9
CGLM	1.69	22	eP	35	41.38	-0.7
SLKM	1.74	63	eP	35	42.16	-0.4
NCG	1.75	19	eP	35	42.69	-0.2
SVW	1.76	321	P	35	41.20	-1.7
SEW	1.99	78	P	35	44.98	-0.7
KDC	2.06	167	eP	35	43.63	-2.9
			eS	36	07.63	
MPA	2.13	68	iP	35	46.69	-0.6
SUA	2.14	36	eP	35	47.27	-0.4
SKT	2.40	21	eP	35	50.01	-0.9
PTE	2.42	61	eP	35	50.78	-0.3
PWA	2.55	40	P	35	52.00	-0.8
PWL	2.73	64	eP	35	53.40	-1.8
PLRM	2.77	47	eP	35	54.77	-0.9
KNK	2.93	53	eP	35	56.20	-1.6
CFI	3.11	60	eP	35	56.75	-3.4
SML	3.21	48	eP	36	00.28	-1.2
FBA	5.77	24	eP	36	32.87	-3.3
IL1	5.86	28	iP	36	34.59	-2.9
IM3	6.25	358	eP	36	40.71	-2.1
47 obs. associated						

PRY	0.59	181	eP	45	22.80	-0.8
			S	45	29.60	
KSR	0.71	312	eP	45	25.50	-0.7
			S	45	33.50	
BFS	0.84	228	eP	45	29.50	0.8
			S	45	39.90	
SLR	0.93	50	iPd	45	30.50	0.2
			S	45	45.00	
SEK	1.98	177	eP	45	47.00	0.4
			S	46	11.00	
SWZ	2.11	246	eP	45	49.10	0.7
			S	46	14.60	
BFT	2.39	75	eP	45	52.60	0.1
			S	46	21.00	
BLF	2.99	202	eP	46	01.00	0.0
			S	46	36.00	
FRS	3.90	209	e(P)	46	13.00	-0.7
BUL	6.25	10	iPn	46	39.90	-7.4X
			iSn	47	48.40	
			iSg	48	19.90	
SUR	8.37	222	eP	47	13.00	-4.0X
			S	48	47.00	
KRI	9.67	12	iPn	47	31.20	-3.7X
			iSn	49	15.40	
			iSg	50	15.50	
S.D. = 0.7 on 9 of 12 obs.						

? SEP 30, 1993	09h	56m	16.83± 1.43s			
18.802 S	±18.1km	169.236 E	±17.1km			
DEPTH =	33.0km	(normal)				
4.7mb (1 obs.)						
VANUATU ISLANDS						(186)
DZM	4.17	218	iPd	57	20.20	0.3
			iS	58	01.80	
URZ	20.57	162	P	00	55.90	0.5
MNG	22.40	167	P	01	13.80	0.0
PGZ	22.57	166	P	01	13.70	-1.8
LTZ	24.04	175	P	01	31.00	1.1
ASPA	33.23	255	iPd	02	52.70	-0.6
	0.7s	6.90nm				4.7mb
GEC2	144.11	332	PKP	15	51.30	0.4
	0.7s	1.58nm				
S.D. = 1.1 on 7 of 7 obs.						

? SEP 30, 1993	10h	59m	29.99± 0.91s			
41.489 N	± 7.7km	20.597 E	± 8.3km			
DEPTH =	10.0km	(geophysicist)				
ALBANIA						(391)
ML 1.9 (SKO).						
PHP	0.23	329	ePg	59	34.40	-0.5
			iSg	59	40.40	
OHR	0.41	158	iPg	59	38.00	-0.3
			iSg	59	44.10	
TIR	0.57	256	ePg	59	42.00	0.5
			iSg	59	52.00	
LACI	0.68	283	ePg	59	47.50	4.0X
SKO	0.79	52	ePg	59	45.80	0.4
			iSg	59	58.00	
SDA	1.00	305	iPgc	59	44.60	-4.2X
			iSg	59	49.80	
S.D. = 0.9 on 4 of 6 obs.						

% SEP 30, 1993	11h	26m	23.79± 0.91s			
38.002 N	± 8.0km	29.214 E	± 8.8km			
DEPTH =	10.0km	(geophysicist)				
TURKEY						(366)
ML 3.1 (ISK).						
KHL	0.40	37	iPg	26	32.00	-0.1
			eSg	26	36.00	
CIN	0.98	246	ePg	26	42.00	-0.4
			iSg	26	55.00	
BCK	1.22	116	ePn	26	4	

30d 13h

TSRJ 0.96 263 P 16 55.60 -1.1
S 17 07.80
MTMJ 1.06 30 P 16 57.40 -1.1
MAT 1.23 44 iPc 17 00.60 -0.7
iS 17 16.40
CHJJ 1.55 75 P 17 06.80 0.7
S 17 27.10
WKYJ 1.92 222 P 17 11.50 -0.1
NIIJ 2.17 43 P 17 14.80 -0.3
KAKJ 2.51 77 P 17 21.10 1.2
S 17 55.50
YONJ 3.05 262 P 17 26.90 -0.7
TKSJ 3.05 238 P 17 27.40 -0.2
YAMJ 3.41 42 eP 17 32.60 -0.1
eS 18 17.90
OFUJ 4.96 45 eP 17 55.30 0.6
eS 18 58.90
SHNJ 5.20 255 eP 17 59.20 1.2
KUMJ 6.10 241 P 18 11.10 0.3
KAGJ 6.88 231 P 18 21.60 -0.2
BJI 17.13 291 eP 20 41.00 1.7
1.6s 20.00nm 4.0mb
Z 12s 0.61um 3.9MsZ
WRA 55.36 183 P 26 13.90 -1.0
0.9s 0.60nm 3.6mb
NB2 74.07 336 P 28 12.80 -3.3X
0.9s 2.50nm 4.2mb
S.D. = 0.9 on 17 of 18 obs.

SEP 30, 1993 13h 31m 00.30 ± 0.36s
6.516 N ± 5.7km 126.457 E ± 9.8km
DEPTH = 33.0km (normal)
5.1mb (22 obs.)

MINDANAO, PHILIPPINE ISLANDS (259)

DAV 1.04 303 iPc+ 31 17.50 -1.2
BIP 1.71 353 iPc 31 28.00 -0.2
eS 31 47.00
CTB 2.34 287 ePd 31 37.00 -0.3
eS 31 59.00
CGP 2.60 318 iPd 31 41.00 0.0
eS 32 05.00
MAP 4.51 327 ePc 32 08.00 -0.1
eS 32 38.00
PLP 4.85 343 ePc 32 12.00 -0.8
GQP 8.34 332 ePc 33 05.00 3.1X
BAG 11.39 330 eP 33 48.00 3.9X
HKC 19.67 324 iP 35 30.90 1.2
MTN 19.79 166 eP 35 29.00 -1.9
QIZ 20.40 309 P 35 38.40 1.1
GZH 20.76 324 P 35 41.00 0.0
KNA 22.24 174 iPc 35 56.00 0.1
1.0s 250.00nm 5.6mb
LEM 23.00 235 ePc 36 06.00 2.4
SNG 25.66 273 eP 36 31.00 1.9
NJ2 26.38 345 Pc 36 37.00 1.5
WHN 26.47 336 eP 36 37.00 0.7
NST 27.36 292 eP 36 44.00 -0.6
GYA 27.37 319 P 36 47.40 2.6
WR2 27.42 164 iPc 36 44.40 -0.8
0.7s 12.60nm 4.7mb
e 38 07.50
KMI 29.28 312 Pc 37 02.00 -0.2
1.0s 40.00nm 5.1mb
pP 37 12.00 35kmX
ASPA 30.87 167 eP 37 14.60 -1.4
0.6s 13.70nm 4.9mb
eS 41 58.30
XAN 31.84 332 P 37 22.00 -2.5
0.8s 65.00nm 5.6mb
E 25s 0.46um
CD2 32.28 322 eP 37 29.50 1.2
CTA 32.84 144 iPc 37 39.00 5.8X
TIY 33.57 340 eP 37 39.00 -0.6
BJI 34.63 346 eP 37 47.50 -1.1
1.0s 33.00nm 5.2mb
SNY 35.26 356 eP 37 49.60 -4.3X
LZH 35.99 328 iPd 38 02.00 1.6
1.0s 150.00nm 5.9mb
Z 15s 0.49um 4.4MsZ
HHC 36.69 341 P 38 07.00 0.8
1.0s 50.00nm 5.4mb
N 11s 0.14um
MRWA 36.93 195 eP 38 06.20 -1.9
0.3s 3.00nm 4.6mb
FORT 37.11 178 iPc 38 09.00 -0.6
0.5s 17.00nm 5.2mb

MDJ 38.05 4 eP 38 16.00 -1.4
BAL 38.07 194 eP 38 16.20 -1.5
0.3s 5.00nm 4.8mb
MUN 39.51 194 eP 38 28.20 -1.5
0.3s 63.00nm 5.9mb
NWA0 40.19 192 eP 38 34.50 -0.8
0.3s 6.00nm 4.8mb
GTA 40.60 328 eP 38 39.20 0.4
1.0s 45.00nm 5.2mb
Z 16s 0.34um 4.3MsZ
pP 38 47.20 27kmX
PP 40 16.00
STK 40.82 160 iPc 38 40.40 -0.1
0.8s 4.70nm 4.3mb
ADE 42.85 165 e(P) 38 59.00 1.8
ARMA 43.94 148 iPd 39 06.40 0.2
0.7s 10.00nm 4.7mb
BWA 45.71 154 eP 39 22.80 2.6
iP 39 27.90 17kmX
i 39 32.80
CAN 46.72 154 eP 39 30.40 2.3
TOO 47.32 159 eP 39 34.10 1.2
GBA 48.71 282 P 39 43.00 -0.9
WMQ 50.31 324 P 39 55.70 -0.3
1.0s 20.00nm 5.1mb
Z 16s 0.52um 4.6MsZ
eS 47 11.50
KSH 55.88 314 eP 40 35.40 -2.1
OBN 84.63 325 iPd 43 31.50 -0.2
1.3s 52.00nm 5.6mb
e 43 39.40
KAF 89.02 332 eP 43 51.60 -1.4
0.5s 4.30nm 5.0mb
NUR 90.15 331 eP 43 57.40 -0.9
DAG 94.49 352 eP 44 17.00 -1.1
0.8s 2.99nm 4.8mb
BRG 98.85 324 iP 44 39.20 0.9
1.0s 10.00nm 5.3mb
GEC2 99.75 322 P 44 42.20 -0.4
1.2s 3.68nm 4.8mb
UYO 124.03 41 iPKPc 49 56.40 -1.0
CNCB 162.56 127 PKP 51 03.00 1.7
LPB 162.62 126 ePKP 51 01.00 -0.2
LPAZ 162.73 125 PKPd 51 02.60 1.0
SIV 168.04 143 PKP 51 05.80 0.5
S.D. = 1.3 on 53 of 57 obs.

SEP 30, 1993 13h 34m 00.53 ± 0.61s
26.827 S ± 5.7km 26.689 E ± 5.6km
DEPTH = 5.0km (geophysicist)
REPUBLIC OF SOUTH AFRICA (584)
ML 2.8 (PRE).

BFS 0.11 130 iPc 34 03.60 0.6
S 34 05.00
PRY 0.71 98 eP 34 14.20 -0.5
S 34 22.60
KSR 0.98 11 eP 34 19.00 -0.7
S 34 32.00
SWZ 1.27 253 eP 34 24.70 0.1
S 34 42.00
SEK 1.71 151 eP 34 30.20 -1.0
S 34 51.50
SLR 1.80 53 iPd 34 33.60 1.1
S 34 55.50
BLF 2.32 191 iPd 34 41.00 0.9
S 35 09.10
FRS 3.15 202 iPd 34 51.90 0.2
S 35 28.00
BFT 3.22 70 eP 34 53.00 0.1
S 35 31.00
HVD 3.91 195 e(P) 35 02.00 -0.7
S.D. = 0.8 on 10 of 10 obs.

SEP 30, 1993 14h 15m 21.22 ± 0.60s
23.728 N ± 5.8km 121.656 E ± 9.1km
DEPTH = 33.0km (normal)
4.3mb (11 obs.)
TAIWAN (244)
ML 4.4 (BJI).

QZH 3.05 294 Pn 16 08.40 0.2
Sn 16 45.00
CVP 5.99 178 eP 16 50.00 0.0
BAG 7.35 188 eP 17 09.00 -0.2
e 18 34.50
SSE 7.35 357 eP 17 08.50 -0.4

Z 12s 1.40um
N 10s 1.10um
E 10s 0.70um
sP 17 15.50
Sg 19 07.00
GZH 7.66 267 eP 17 12.00 -1.3
NJ2 8.65 344 Pc 17 26.00 -1.1
0.9s 47.00nm 5.6mb X
WHN 9.40 318 eP 17 35.50 -1.9
GYA 13.85 284 P 18 37.00 -0.7
1.0s 29.00nm 5.0mb
Z 10s 1.60um 4.0MsZ
N 10s 1.60um
E 10s 1.15um
XAN 15.15 316 P 18 54.50 0.0
1.60um
pP 18 58.90
TIY 16.02 333 eP 19 07.00 1.3
BJI 16.91 345 eP 19 21.00 4.1X
2.0s 32.00nm 4.1mb
Z 12s 0.91um 5.9MsZ
N 10s 1.28um
KMI 17.28 278 eP 19 25.50 3.6X
CD2 17.43 298 iPd 19 29.00 5.5X
Z 10s 4.76um
HHC 19.06 336 eP 19 48.80 5.2X
Z 12s 1.08um 4.5MsZ
N 10s 0.54um
E 10s 0.41um
BTO 19.46 333 eP 19 50.00 1.8
N 10s 0.41um
E 10s 0.31um
LZH 19.71 313 eP 19 52.00 0.9
2.0s 50.00nm 4.5mb
Z 10s 1.17um 3.9MsZ
pP 19 57.50 21kmX
CN2 20.26 8 eP 19 55.40 -1.2
1.4s 15.00nm 4.1mb
GTA 24.21 315 eP 20 37.00 1.0
2.0s 18.00nm 4.3mb
Z 14s 0.93um 4.4MsZ
pP 20 45.00 28kmX
GUN 32.40 285 P 21 56.60 5.9X
KKN 32.93 285 P 21 55.80 0.6
0.8s 26.00nm 5.2mb
DMN 33.09 285 P 21 58.20 1.6
WRA 45.13 163 P 23 36.30 -0.2
0.7s 2.20nm 4.2mb
WR2 45.14 163 eP 23 33.00 -3.6X
2.2s 2.20nm 3.7mb
INK 73.49 22 eP 26 52.50 0.6
0.9s 3.00nm 4.3mb
NB2 78.83 332 P 27 21.80 -0.4
1.0s 3.00nm 4.3mb
GEC2 83.47 321 P 27 46.50 -0.5
0.9s 2.97nm 4.4mb
e 27 51.70
S.D. = 1.1 on 20 of 26 obs.

SEP 30, 1993 14h 21m 17.60 ± 6.26s
48.444 N ± 22.7km 1.949 W ± 44.2km
DEPTH = 10.0km (geophysicist)
FRANCE (538)
ML 2.7 (LDG).

GRR 0.73 94 Pg 21 32.40 0.5
LPF 0.73 124 Pn 21 31.60 -0.4
Sg 21 43.50
FLN 1.02 71 Pn 21 36.70 -0.3
Pg 21 39.70
Sg 21 56.90
LDF 1.22 82 Pg 21 43.00 2.6X
Sg 22 02.50
MFF 2.21 146 Pg 21 55.00 0.1
Sg 22 23.70
S.D. = 0.7 on 4 of 5 obs.

SEP 30, 1993 14h 32m 23.69 ± 0.96s
50.111 N ± 10.7km 19.363 E ± 7.6km
DEPTH = 10.0km (geophysicist)
POLAND (548)
ML 2.9 (WAR).

OJC 0.30 69 iPgd 32 30.10 0.1
iSg 32 38.30
SPC 1.09 148 ePn 32 44.00 -0.3
i(Sn) 33 03.70

30d 14h

PSZ 2.22 171 e(P) 33 05.00 3.8X
 ZST 2.42 219 eP 33 04.30 0.3
 PRU 3.11 270 ePg 33 22.50 8.8X
 BRG 3.54 285 iPg 33 19.60 -0.2
 KHC 3.89 258 ePn 33 21.50 -3.3X
 ePg 33 33.50
 e 34 06.00
 eSg 34 13.50
 S.D. = 0.5 on 4 of 7 obs.

SEP 30, 1993 17h 04m 45.81± 0.13s
 11.815 N ± 2.9km 92.529 E ± 2.5km
 DEPTH = 22.5km (33 depth phases)
 5.4mb (116 obs.) 4.7MsZ (17 obs.)
 ANDAMAN ISLANDS, INDIA (703)
 Mw 5.3 (HRV).
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 23C
 Centroid Location:
 Origin Time 17:04:51.7 0.6
 Lat 11.84N 0.07 Lon 92.06E 0.08
 Dep 22.8 4.9 Half-duration 1.2
 Moment Tensor; Scale 10**16 Nm
 Mrr= 6.88 0.57 Mtt= 2.57 0.87
 Mff=-9.45 1.04 Mrt= 0.89 1.23
 Mrf=-7.09 1.92 Mtf= 2.39 0.60
 Principal Axes:
 T Val= 9.53 Plg=70 Azm= 90
 N 3.00 3 351
 P -12.53 20 260
 Best Double Couple:Mo=1.1*10**17
 NP1:Strike=344 Dip=25 Slip= 82
 NP2: 173 65 94

KHT 6.60 63 iPc 06 26.00 2.0
 NNT 7.09 83 eP 06 32.20 1.4
 BDT 8.27 49 iPc 06 48.50 1.1
 0.8s 264.80nm 6.5mb X
 NST 8.32 62 iPc 06 49.30 1.2
 SNG 9.21 119 eP 07 05.00 4.6X
 e 08 55.00
 CHTO 9.31 41 iPc 07 00.90 -0.9
 0.8s 64.97nm 6.0mb
 LOE 10.50 57 eP 07 27.00 8.9X
 HYB 14.62 294 eP 08 11.00 -2.4
 1.0s 130.00nm 5.4mb
 GBA 14.83 279 Pc 08 12.70 -3.3X
 0.8s 999.90nm 6.3mb
 KMI 16.39 35 Pc 08 37.50 1.2
 1.5s 480.00nm 5.4mb
 Z 16s 4.70um 5.0MsZ
 N 18s 5.00um
 E 14s 2.60um
 sP 08 47.00
 GUN 17.18 340 P 08 48.40 1.9
 DMN 17.19 337 P 08 46.40 0.0
 KKN 17.28 338 P 08 47.80 0.2
 LSA 17.84 356 P 08 55.00 0.2
 1.2s 46.00nm 4.5mb
 Z 19s 3.25um 4.5MsZ
 N 14s 0.97um
 E 13s 1.03um
 QIZ 18.16 65 eP 08 58.80 0.5
 N 17s 3.16um
 E 17s 2.27um
 POO 19.22 293 iPd 09 13.00 1.7
 iS 12 32.00
 GYA 19.73 40 iPc 09 16.00 -1.2
 1.0s 160.00nm 5.3mb
 Z 18s 3.94um 4.6MsZ
 N 14s 2.56um
 E 14s 1.46um
 pP 09 26.00 43kmX
 PP 09 38.00
 CD2 21.66 27 eP 09 35.00 -1.9
 1.2s 380.00nm 5.7mb
 Z 19s 2.67um 4.7MsZ
 N 14s 1.94um
 sP 09 49.90
 ePP 10 05.20
 NDI 22.05 322 ePKP 09 41.00 0.2
 ePP 13 32.40
 GZH 22.77 58 eP 09 52.00 4.1X

Z 14s 1.77um 4.7MsZ
 HHC 23.14 60 eP 09 51.00 -0.6
 S 14 13.00
 LZH 26.24 21 iPc 10 21.50 0.2
 1.5s 160.00nm 5.4mb
 Z 23s 2.78um 4.7MsZ
 E 15s 2.13um
 pP 10 30.80 33kmX
 sP 10 34.00
 PP 11 06.00
 PcP 13 46.50
 eS 14 51.00
 ScS 21 15.00
 XAN 26.70 31 Pc 10 23.50 -1.9
 0.5s 88.00nm 5.7mb
 Z 17s 2.38um 4.8MsZ
 N 14s 1.37um
 E 14s 1.38um
 pP 10 32.40 31km
 S 14 55.00
 WHN 27.50 44 Pc 10 32.00 -0.6
 BAG 27.57 77 eP 10 33.00 -0.6
 GTA 28.23 12 iPc 10 39.80 0.4
 1.4s 120.00nm 5.4mb
 Z 20s 1.73um 4.6MsZ
 N 16s 0.58um
 sP 10 52.00
 PcP 13 55.00
 eS 15 24.00
 sS 15 37.00
 ScP 17 31.50
 PcS 17 34.00
 ScS 21 23.00
 KSH 31.20 335 P 11 06.00 0.2
 0.5s 20.00nm 5.2mb
 Z 16s 2.39um 5.0MsZ
 N 15s 3.67um
 E 14s 2.02um
 pP 11 12.50 23km
 eS 16 05.00
 TIY 31.35 31 eP 11 06.50 -0.6
 Z 16s 4.52um 5.2MsZ
 E 16s 1.90um
 NJ2 31.50 46 Pd 11 08.30 -0.1
 1.0s 68.00nm 5.5mb
 Z 14s 1.48um 4.8MsZ
 N 13s 2.01um
 E 13s 0.99um
 WMQ 32.16 353 P 11 14.00 -0.1
 1.0s 40.00nm 5.3mb
 Z 20s 2.14um 4.8MsZ
 E 16s 1.62um
 pP 11 21.00 24km
 S 16 25.00
 ScS 21 42.00
 BTO 32.55 25 P 11 16.00 -1.6
 SSE 32.69 50 Pc 11 18.80 0.0
 1.2s 30.00nm 5.1mb
 Z 16s 2.20um 5.0MsZ
 N 14s 0.70um
 E 12s 0.90um
 TIA 32.90 38 eP 11 19.60 -0.9
 Z 30s 0.88um 4.3MsZ
 HHC 33.42 27 Pc 11 24.80 -0.3
 1.2s 210.00nm 5.9mb
 Z 19s 1.96um 4.8MsZ
 N 13s 0.75um
 E 13s 0.76um
 pP 11 34.00 32km
 sP 11 39.00
 PP 12 40.00
 S 16 45.00
 TLG 33.97 340 iP 11 31.00 1.1
 1.3s 87.00nm 5.5mb
 iS 16 55.00
 i 18 57.00
 eSSS 19 20.00
 FRU 34.60 337 eP 11 35.80 0.5
 1.8s 50.00nm 5.1mb
 Z 17s 1.50um 4.8MsZ
 N 17s 2.50um
 e 13 08.00 533kmX
 e 14 15.60
 e 17 04.00
 BJI 35.02 32 eP 11 38.50 -0.3
 1.0s 45.00nm 5.3mb
 Z 18s 2.65um 5.0MsZ

N 14s 0.98um
 DL2 37.37 39 P 12 00.00 1.4
 1.2s 140.00nm 5.7mb
 Z 16s 1.47um 4.9MsZ
 N 17s 2.24um
 E 13s 1.38um
 PP 13 26.00
 MAIO 38.47 315 eP 12 12.00 4.0X
 ZAK 39.46 11 iPc 12 16.20 0.2
 1.6s 53.00nm 5.0mb
 Z 20s 1.11um 4.7MsZ
 N 15s 0.48um
 e 14 24.00
 eS 18 16.00
 ASH 40.10 316 eP 12 28.50 7.0X
 SNY 40.35 37 Pc 12 23.00 -0.5
 1.8s 240.00nm 5.6mb
 Z 16s 1.88um 5.0MsZ
 E 16s 1.32um
 pP 12 33.00 34kmX
 S 18 28.00
 KUMJ 40.72 53 P 12 27.00 0.4
 NANU 40.93 147 iPc 12 28.00 -0.4
 IRK 41.46 11 ePc 12 33.00 0.6
 1.8s 46.00nm 4.9mb
 Z 20s 0.57um 4.4MsZ
 N 20s 0.47um
 E 20s 0.66um
 e 12 48.50 61kmX
 e 18 46.00
 SHNJ 41.54 51 P 12 34.60 1.3
 MBL 42.35 141 iPc 12 39.20 -0.9
 0.8s 115.00nm 5.7mb
 CN2 42.66 36 iPd 12 42.20 -0.2
 1.0s 120.00nm 5.6mb
 eS 19 08.00
 YONJ 43.73 51 eP 12 51.50 0.2
 TKSJ 43.75 53 eP 12 52.20 0.8
 WKYJ 45.04 53 eP 13 02.50 0.6
 MDJ 45.54 37 eP 13 05.00 -0.6
 MEEK 45.86 147 iPc 13 07.90 -0.5
 MJMA 46.59 294 ePd 13 15.00 0.7
 MRWA 46.66 151 iPd 13 15.20 0.6
 0.7s 45.00nm 5.6mb
 MAJO 47.82 51 eP 13 20.79 -3.0X
 1.3s 88.72nm 5.6mb
 e 13 23.44 9kmX
 iPcP 14 52.41
 MAT 47.82 51 eP 13 22.00 -1.8
 1.5s 111.11nm 5.7mb
 Z 20s 0.71um 4.6MsZ
 eS 20 34.00
 BAL 48.16 152 eP 13 25.50 -0.9
 0.8s 49.00nm 5.6mb
 AFIF 48.28 292 iPd 13 30.00 2.4
 TAB 48.72 311 e(P) 13 31.00 0.1
 MUN 49.10 153 iPd 13 33.30 -0.3
 0.8s 69.00nm 5.7mb
 UQSK 49.20 294 ePd 13 36.00 1.3
 KLB 49.48 151 eP 13 35.70 -0.8
 1.0s 149.00nm 6.0mb
 YAMJ 49.72 50 eP 13 38.50 0.1
 NWAQ 50.36 153 eP 13 43.50 0.3
 0.7s 31.00nm 5.4mb
 COOL 50.58 148 iPd 13 44.50 -0.5
 1.0s 69.00nm 5.6mb
 ERE 50.77 313 eP 13 51.00 4.5X
 e 21 03.00
 GUMO 51.01 82 e(P) 13 52.10 3.6X
 GRO 51.12 317 iPc 13 53.00 4.0X
 2.0s 240.00nm 5.8mb
 eS 21 07.00
 SVE 51.16 338 iPc 13 48.50 -0.6
 1.3s 80.00nm 5.5mb
 Z 19s 1.00um 4.9MsZ
 N 19s 0.80um
 E 19s 0.50um
 eS 21 02.00
 e 23 30.00
 OFUJ 51.22 49 eP 13 49.20 -0.6
 ARU 51.63 337 eP 13 52.00 -0.6
 Z 18s 1.00um 4.9MsZ
 N 18s 1.00um
 E 20s 0.50um
 e 13 58.00 20km
 eS 21 11.00

30d 17h

WRA	51.86	127 P	ePS	21 20.00	13 54.00	-0.9	5.7mb	SOP	71.92	316 e(P)	16 08.00	-1.3	NB2	75.54	330 P	i(pP)d16	37.40	22km
WR2	51.88	127 iPd	iPcP	15 07.00	13 53.80	-1.3	5.3mb	SOI	72.20	306 P	16 17.93	6.8X		0.8s	24.90nm	16 29.30	-0.9	5.3mb
	0.8s	29.80nm	iS	21 11.50				KSP	72.24	320 iPc	16 11.20	0.0	SQTA	75.55	316 iPd	16 29.70	-0.9	5.4mb
AAE	52.89	272 eP	iS	21 11.50					0.9s	41.00nm	16 17.90	22km		0.7s	28.80nm	16 36.60	22km	
PYA	53.14	317 eP	iS	21 11.50				PTJ	72.28	315 eP	16 05.60	-6.0X	MOTA	75.62	316 iPd	16 30.10	-1.0	5.5mb
ASPA	53.67	131 iPc	eP	14 06.00	2.9X			UPP	72.28	329 iP	16 10.60	-0.6		0.9s	44.60nm	16 36.90	22km	
	0.8s	51.90nm	e	15 16.00	64kmX			GMB	72.35	306 P	16 18.61	6.3X	OGA	75.69	316 iPd	16 31.20	-0.3	5.6mb
Z	21s	0.90um	eS	21 34.90				VBV	72.76	314 eP	16 13.00	-1.4	NAO	75.72	330 P	16 28.93	-2.2	5.6mb
			iPcP	15 14.20					i	16 20.50	24km		BLF	75.80	236 eP	16 32.00	-0.4	5.6mb
FORT	54.40	142 iPd	iScS	23 53.30				VBV	72.76	314 iP	16 20.50	6.1X	OSS	76.30	315 ePd	16 35.00	0.0	5.6mb
QIS	56.37	124 iPc	e	15 16.00				SLR	72.79	238 iPc	16 16.20	1.1	MUD	76.58	325 iPc	16 43.00	7.0X	5.5mb
MOS	60.91	328 eP	ePS	23 28.00				Z	0.9s	41.00nm	16 16.50	-0.9	FRS	76.74	235 eP	16 36.00	-1.4	5.5mb
	2.0s	160.00nm	ePS	23 28.00				LJU	73.27	315 e(P)	16 16.50	-0.9	VDL	76.77	315 ePc	16 37.50	-0.1	5.5mb
ELL	61.13	305 eP	ePS	23 28.00					e	16 19.80	11kmX		HVD	76.92	235 eP	16 37.50	-1.1	5.2mb
OBN	61.20	327 eP	ePS	23 28.00				PRU	73.33	319 P	16 17.70	0.1	LLS	77.08	316 ePc	16 39.10	-0.2	5.2mb
	1.0s	21.00nm	ePS	23 28.00					0.9s	36.90nm	16 17.70	0.1	TMA	77.21	315 ePc	16 39.40	-0.6	5.2mb
Z	19s	0.60um	ePS	23 28.00				BCAO	73.45	271 iPd	16 19.00	0.0	TNS	77.24	319 ePc	16 45.70	5.7X	5.2mb
N	18s	0.60um	ePS	23 28.00					0.5s	35.00nm	16 19.00	0.0	MOL	77.29	332 eP	16 39.42	-0.4	5.2mb
E	18s	0.50um	ePS	23 28.00				VOY	73.72	315 ePc	16 19.30	-0.8	SLE	77.36	317 ePc	16 40.80	0.2	5.2mb
			ePS	23 28.00					i	16 25.80	22km		PGF	77.37	311 eP	16 40.10	-0.8	5.2mb
CTA	61.64	121 iPc	ePS	23 28.00				BRG	73.73	320 iP	16 19.80	-0.1	ZLA	77.45	316 ePc	16 40.70	-0.5	5.2mb
	1.0s	17.50nm	ePS	23 28.00					1.0s	50.00nm	16 19.80	-0.1	PCP	77.55	313 P	16 45.24	3.5X	5.2mb
CTA	61.64	121 eP	ePS	23 28.00				GEC2	73.86	318 P	16 20.60	-0.2	FIN	77.82	313 P	16 46.16	2.9X	5.2mb
	1.1s	279.11nm	ePS	23 28.00					0.7s	6.91nm	16 20.60	-0.2	ROB	78.05	313 P	16 47.85	3.3X	5.2mb
TIK	63.71	12 iPc+	ePS	23 28.00					e	16 27.60	22km		CDF	78.13	317 eP	16 44.40	-0.5	5.2mb
	1.2s	100.00nm	ePS	23 28.00				KHC	73.94	318 P	16 21.50	0.3	WTS	78.17	321 eP	16 52.00	7.1X	5.2mb
Z	16s	0.80um	ePS	23 28.00					0.9s	18.50nm	16 21.50	0.3	DIX	78.23	315 ePc	16 46.10	0.4	5.2mb
			ePS	23 28.00					e	16 30.80	22km		ENR	78.38	313 P	16 47.71	1.3	5.2mb
ADE	63.85	139 eP	ePS	23 28.00					e	16 37.50	22km		SBF	78.40	313 eP	16 46.00	-0.5	5.2mb
STK	63.97	134 iPc	ePS	23 28.00					e	16 37.50	22km		RSP	78.41	314 P	16 45.74	-0.9	5.2mb
	0.6s	20.40nm	ePS	23 28.00				KSR	74.00	239 eP	16 16.00	-6.1X	BHB	78.44	314 P	16 47.35	0.7	5.2mb
CLI	64.52	316 eP	ePS	23 28.00					1.0s	100.00nm	16 16.00	-6.1X	LSD	78.46	314 P	16 46.80	-0.2	5.2mb
VRI	64.79	315 ePd	ePS	23 28.00				KBA	74.09	316 iPd	16 21.50	-0.8	BSF	78.50	317 eP	16 46.60	-0.4	5.2mb
MLR	65.27	315 ePd	ePS	23 28.00					1.2s	35.90nm	16 21.50	-0.8	EMS	78.56	315 ePc	16 47.50	0.0	5.2mb
MNK	65.85	324 eP	ePS	23 28.00					i	16 28.30	22km		PZZ	78.58	313 P	16 48.86	1.3	5.2mb
MTUR	65.85	314 eP	ePS	23 28.00				HFS	74.27	329 eP	16 21.80	-1.0	LPG	78.74	314 eP	16 48.50	-0.1	5.2mb
SKO	68.15	311 eP	ePS	23 28.00					0.5s	7.40nm	16 21.80	-1.0	LPL	78.75	314 eP	16 48.50	-0.1	5.2mb
UZH	68.17	318 iPd	ePS	23 28.00					0.5s	7.40nm	16 21.80	-1.0	RRL	78.77	314 P	16 48.72	0.0	5.2mb
	1.2s	45.00nm	ePS	23 28.00				CLL	74.33	320 iPd	16 23.00	-0.3	HAU	78.78	317 eP	16 48.00	-0.5	5.2mb
			ePS	23 28.00					1.3s	15.00nm	16 23.00	-0.3		0.8s	9.40nm	4.9mb		
			ePS	23 28.00					i	16 29.70	22km		Z	22s	0.25um	4.5Msz		
			ePS	23 28.00				SEK	74.33	236 eP	16 25.00	1.0	ENN	78.82	320 eP	16 57.00	8.5X	
KRI	68.38	247 iP	ePS	23 28.00					1.0s	100.00nm	16 25.00	1.0	BNI	78.83	314 P	16 47.88	-1.1	5.2mb
			ePS	23 28.00				WET	74.40	318 eP	16 24.00	0.1		1.0s	49.60nm	5.5mb		
KAF	68.58	332 iP	ePS	23 28.00					i	16 31.10	23km		FRF	79.00	312 eP	16 49.50	-0.2	5.2mb
	0.8s	30.80nm	ePS	23 28.00				BHG	74.41	316 eP	16 23.10	-0.8		0.7s	8.05nm	4.9mb		
NUR	68.95	331 iP	ePS	23 28.00					i	16 30.00	22km		CSY	79.02	173 eP	16 50.30	1.1	5.2mb
	0.8s	16.40nm	ePS	23 28.00				ARV	74.44	312 P	16 27.39	3.2X	LMR	79.12	312 eP	16 50.00	-0.4	5.2mb
			ePS	23 28.00					0.9s	46.60nm	16 27.39	3.2X		1.4s	57.95nm	5.4mb		
LSZ	69.15	249 iPc	ePS	23 28.00				FVI	74.48	315 P	16 26.79	2.5	LRG	79.22	312 eP	16 50.80	-0.1	5.2mb
			ePS	23 28.00					0.8s	9.80nm	16 26.79	2.5	Z	23s	0.40um	4.7Msz		
SPC	69.57	318 e(P)	ePS	23 28.00				ASS	74.65	312 P	16 27.37	1.9	DZM	79.89	115 iPc	16 55.90	1.0	5.2mb
PSZ	69.69	317 e(P)	ePS	23 28.00					0.9s	51.90nm	16 27.37	1.9	LBF	80.49	316 eP	16 57.30	-0.4	5.2mb
TOO	69.81	137 iPc	ePS	23 28.00				MOX	75.21	319 eP	16 28.50	0.0		0.8s	11.80nm	5.0mb		
	0.4s	72.00nm	ePS	23 28.00					1.5s	43.00nm	16 28.50	0.0	LOR	80.54	316 eP	16 57.60	-0.3	5.2mb
OJC	69.96	319 ePc	ePS	23 28.00				Z	18s	0.40um	16 28.50	0.0		1.2s	27.95nm	5.2mb		
	1.0s	81.00nm	ePS	23 28.00					eS	26 05.00	16 28.50	0.0	Z	22s	0.20um	4.4Msz		
			ePS	23 28.00				SFI	75.21	312 P	16 32.65	4.1X	SMF	80.62	316 eP	16 57.90	-0.5	5.2mb
SDF	70.08	338 iP	ePS	23 28.00					0.8s	45.40nm	16 32.65	4.1X		0.8s	12.75nm	5.0mb		
BWA	70.16	133 iPc	ePS	23 28.00				WTTA	75.26	316 iPd	16 28.10	-0.9	SSF	80.80	316 eP	16 59.10	-0.2	5.2mb
BUL	70.44	244 iP	ePS	23 28.00					0.7s	29.20nm	16 28.10	-0.9		0.8s	7.95nm	4.8mb		
	1.0s	25.50nm	ePS	23 28.00					i	16 35.00	22km		AVF	80.94	316 eP	16 59.70	-0.3	5.2mb
			ePS	23 28.00				CTI	75.28	315 P	16 29.19	0.1		0.8s	6.70nm	4.7mb		
ARMA	70.62	128 iPc	ePS	23 28.00					0.9s	59.40nm	16 29.19	0.1	SUR	81.29	234 eP	17 06.00	3.7X	5.2mb
	0.8s	98.00nm	ePS	23 28.00				WATA	75.29	316 iPd	16 28.00	-1.2		1.2s	168.00nm	5.9mb		
SRO	70.74	317 iP	ePS	23 28.00					i	16 35.00	22km		Z	20s	64.60um	7.0Msz		
CAN	71.02	134 iPc	ePS	23 28.00				PGD	75.31	312 P	16 30.45	1.1	BGF	81.32	316 eP	17 02.20	0.2	5.2mb
BFT	71.31	238 eP	ePS	23 28.00					1.2s	18.50nm	16 30.45	1.1		1.0s	15.40nm	5.0mb		
	1.0s	40.00nm	ePS	23 28.00				FUR	75.47	317 eP	16 36.90	6.8X	HYF	81.36	316 eP	17 02.60	0.4	5.2mb
ZST	71.58	317 iP	ePS	23 28.00					0.9s	48.00nm	16 36.90	6.8X	WIN	81.37	245 eP	17 04.50	1.6	5.2mb
			ePS	23 28.00				GRF	75.48	318 iPc	16 30.60	0.6		0.9s	48.00nm	5.5mb		
GRI	71.90	307 P	ePS	23 28.00					1.5s	49.00nm	16 30.60	0.6	MAF	81.56	315 eP	17 03.50	0.3	5.2mb
	0.9s	65.30nm	ePS	23 28.00				Z	20s	0.20um	16 30.60	0.6		0.6s	3.70nm	4.6mb		

S.D.= 0.5 on 26 of 26 obs.

SEP 30, 1993 18h 27m 50.81± 0.21s
15.417 N ± 4.2km 94.698 W ± 3.0km
DEPTH = 19.2km (geophysicist)
5.8mb (96 obs.) 6.4Msz (55 obs.)
NEAR COAST OF OAXACA, MEXICO (66)
Mw 6.5 (HRV). Ms 6.5 (BRK).
Mo=1.1*10**19 Nm (PPT). Felt on
the Isthmus of Tehuantepec and
at Veracruz. Felt slightly at
Mexico City. Depth from
broadband displacement
seismograms.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=110 Dip=75 Slip= 90
NP2: 290 15 90
Principal Axes:
T Plg=60 Azm= 20
P 30 200
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 7.4±2.2*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, **C M.W.: 44S, 73C
Centroid Location:
Origin Time 18:27:54.6 0.1
Lat 15.08N 0.01 Lon 94.83W 0.01
Dep 15.0 FIX Half-duration 4.3
Moment Tensor; Scale 10**18 Nm
Mrr= 4.28 0.03 Mtt=-2.97 0.02
Mff=-1.30 0.03 Mrt= 4.38 0.12
Mrf=-1.29 0.12 Mtf= 1.05 0.02
Principal Axes:
T Val= 6.41 Plg=65 Azm= 13
N -0.84 3 110
P -5.56 25 202
Best Double Couple:Mo=6.0*10**18
NP1:Strike=299 Dip=20 Slip= 99
NP2: 109 70 86

SCX 2.38 56 iP 28 34.83 5.4X
IS 29 10.01
TPX 2.41 102 iP 28 29.70 -0.2
OXX 2.55 311 iP 28 31.80 -0.4
IS 29 04.50
GCG 4.11 101 eP 28 59.34 5.1X
IXG 4.29 106 eP 28 58.18 1.4
IISM 4.38 325 iP 28 59.77 1.9
LVVM 4.61 339 eP 29 04.03 2.8X
YUP 4.89 104 ePc 29 06.86 1.6
IIT 4.97 317 iP 29 08.84 2.3
ACX 5.16 287 iP 29 04.80 -4.2X
IS 30 04.00
PPM 5.22 315 eP 29 11.51 1.2
IS 30 12.00
IIA 5.30 315 iP 29 12.67 1.7
III 5.43 303 iP 29 13.21 0.2
IS 30 14.00
UNM 5.79 313 iP 29 19.00 0.9
(S) 30 22.00
CRX 6.19 311 (P) 29 25.03 1.2
CGX 9.38 298 (P) 30 06.93 -1.3
AGX 9.65 313 (P) 30 10.50 -1.3
MZX 13.50 307 eP 31 04.00 0.1
LTX 16.13 331 eP+ 31 33.81 -4.4X
UYO 18.67 1 iPc 32 08.80 -1.1
MIAR 19.07 3 eP 32 13.31 -1.5
1.1s 172.20nm 5.2mb
WMOK 19.59 350 P 32 20.00 -0.9
1.6s 21.06nm 4.2mb X
MEO 19.60 350 iPc 32 21.20 0.2
OXF 19.60 13 (P) 32 20.21 -0.8
eS 35 59.51
TUL 20.43 357 iP 32 29.70 0.0
LST 21.48 11 P 32 41.90 1.5
PRM 21.66 29 eP 32 42.18 -0.1
eS 36 47.78
MYNC 21.75 24 P 32 40.70 -2.5X
0.8s 84.44nm 5.2mb
Z 19s 64.48um 6.1msz

30d 18h

SGS	21.87	33 (P)	32 42.27	-2.1	PTI	31.28	335 eP	34 12.28	0.4	LON	38.54	330 eP	35 13.20	-0.7	
ALQ	22.13	334 ePc	32 47.60	0.4	HHAI	31.63	335 ePc	34 15.22	0.2			PP	37 02.76		
	1.2s	110.69nm		5.2mb	SAO	31.89	317 P	34 16.30	-0.9			S	41 09.81		
		S	36 52.80			3.0s	891.62nm		6.2mb	FMW	38.61	330 P	35 15.34	0.7	
PSO	22.22	128 eP	32 48.00	-0.4	Z	19s	121.27um		6.6MsZ	KMOR	38.62	327 P	35 12.47	-2.2	
GBTN	22.24	23 eP	32 47.52	-0.5	CMB	31.96	320 eP	34 17.60	-0.2	RMW	39.05	331 eP	35 17.67	-0.5	
TUC	22.29	322 P	32 50.30	1.6		1.0s	31.92nm		5.2mb	BMW	39.05	328 ePc	35 18.29	0.1	
	2.1s	1612.95nm		6.1mb	Z	18s	81.39um		6.4MsZ	ARE	39.09	143 eP	35 18.00	-1.1	
ELC	22.32	12 eP	32 48.55	-0.2			S	39 37.62		LMN	39.34	33 eP	35 29.00	8.4X	
JSC	22.35	30 eP	32 48.99	-0.1	LSCT	32.08	31 eP	34 17.53	-1.2	GMW	39.58	330 ePc	35 21.08	-1.4	
LHS	22.73	31 (P)	32 53.02	0.2		2.8s	849.27nm		6.2mb	JCW	39.63	331 P	35 22.25	-0.7	
CCM	22.76	7 P	32 55.58	2.5	Z	19s	59.58um		6.3MsZ	MCW	40.40	331 ePc	35 29.31	0.0	
	0.9s	5.10nm		4.0mb X			S	39 33.02		STW	40.43	330 P	35 30.31	0.9	
FVM	22.79	9 P	32 53.80	0.3	ARN	32.28	318 ePc	34 20.22	-0.4	LPZ	40.99	139 Pd	35 33.10	-2.0X	
	1.4s	152.50nm		5.3mb	MHC	32.35	318 eP	34 20.19	-1.1			S	41 40.00		
BOG	22.95	116 iPc	32 58.00	2.4		4.1s	4270.00nm		6.7mb X			SS	44 53.00		
		iS	37 12.00		Z	19s	152.00um		6.7MsZ	JAQ	41.09	17 eP	35 32.50	-2.3	
SLM	23.46	9 P+	32 57.99	-2.0			eS	39 42.19		LPB	41.19	139 Pc	35 34.00	-2.6X	
	Z	20s	158.71um	6.5MsZ			eLQ	41 44.19			1.5s	155.56nm		5.5mb	
		S	37 14.23				eLR	44 14.19		Z	23s	75.76um		6.5MsZ X	
SDV	24.39	103 ePd	33 08.50	-0.9	NNA	32.46	146 eP	34 19.30	-3.1X			S	41 46.00		
CEH	24.70	32 eP	33 10.43	-1.6		1.1s	58.23nm		5.4mb			LR	48 19.00		
	0.8s	55.22nm		5.2mb	STAN	32.73	317 eP	34 25.15	0.7	CCH	43.08	138 P	35 46.60	-5.3X	
Z	20s	62.31um		6.1MsZ		1.7s	600.00nm		6.2mb	ANT	45.55	148 eP	36 02.50	-8.8X	
		S	37 52.04		TRN	32.76	94 eP	34 23.00	-1.9	SIV	45.57	132 P	36 08.90	-2.7X	
TOV	24.93	100 eP	33 13.10	-1.4	BKS	33.04	318 ePc	34 27.10	-0.1	HJA	47.91	143 ePc	36 27.50	-2.4X	
BLA	25.14	28 P	33 13.60	-2.6X		3.9s	2930.00nm		6.6mb X	SLA	49.03	144 eP	36 36.00	-2.8X	
	0.8s	60.79nm		5.3mb	Z	19s	98.00um		6.5MsZ	YKA	49.08	348 eP	36 37.90	-0.6	
GLA	25.32	317 eP	33 17.67	-0.3			eS	39 53.10			1.1s	50.10nm		5.5mb	
GLD	25.93	341 P	33 24.00	0.2			eLQ	42 12.10		FRB	51.56	14 eP	36 56.50	-1.0	
	1.4s	153.36nm		5.5mb			eLR	44 51.10			1.0s	65.00nm		5.5mb	
Z	18s	37.92um		6.0MsZ	HRV	33.52	32 P+	34 31.19	-0.1	SIT	51.59	333 P+	37 02.35	4.6X	
GOL	25.93	341 ePc	33 23.80	-0.1	Z	20s	37.04um		6.1MsZ	Z	19s	39.26um		6.4MsZ	
	1.1s	81.58nm		5.3mb			S	40 04.65				S	44 35.25		
		S	38 16.55		ORV	33.58	321 ePc	34 32.04	0.2	RTL	52.87	152 e(P)	37 04.50	-3.2X	
PV10	26.13	334 eP	33 25.20	-0.6	NTYM	33.61	318 eP	34 33.50	1.4	PEL	53.46	155 eP	37 08.70	-3.4X	
PV08	26.14	335 eP	33 27.13	1.2	RSNY	33.69	26 eP	34 31.70	-1.1	MDZ	54.01	153 (PKP)	37 15.70	-0.4	
PV09	26.28	334 (P)	33 26.94	-0.2		0.9s	63.71nm		5.5mb			(SKS)	44 49.30		
CVL	26.67	29 eP	33 28.92	-1.4	LRM	33.78	337 ePc	34 33.70	-0.1			(SS)	55 03.70		
PLM	26.85	316 eP	33 32.13	-0.3	GAC	34.24	24 eP	34 35.50	-2.0			(LQ)	04 49.30		
CBN	27.37	31 eP	33 32.00	-4.8X	LBNH	34.63	29 P+	34 39.68	-1.2	MRA	55.06	150 ePd	37 20.80	-2.9X	
PEC	27.37	316 eP	33 36.50	-0.5	Z	20s	41.88um		6.2MsZ	BDF	55.58	122 eP	37 20.20	-7.8X	
	1.6s	314.06nm		5.8mb			S	40 33.94			1.2s	6.50nm		4.5mb X	
SRU	27.39	333 eP	33 37.05	-0.2	ULM	34.75	359 eP	34 43.50	1.7			i	37 31.70		
CAR	27.49	97 iPd	33 36.00	-2.2X	WDC	34.84	321 P+	34 43.42	0.7	PPD	56.51	130 eP	37 30.50	-3.9X	
MSU	27.68	330 eP	33 40.15	0.2	Z	21s	61.35um		6.3MsZ	BALM	56.84	335 P	37 35.70	-0.7	
ARUT	27.77	327 eP	33 41.15	0.5			PP	36 11.41		INK	58.36	344 eP	37 46.00	-0.8	
SSK	27.92	316 eP	33 42.31	0.2			S	40 22.35			1.0s	31.00nm		5.3mb	
GSC	28.01	319 eP	33 42.65	-0.1	LBFM	34.94	323 ePc	34 42.83	-1.0	KLU	58.56	334 eP	37 46.43	-2.0	
EMUT	28.10	333 eP	33 43.88	0.2	BNH	35.21	30 (P)	34 45.56	-0.3	SOB1	58.65	111 eP	37 46.90	-2.7X	
TPNV	28.75	322 eP	33 49.85	0.4	LGPM	35.22	322 eP	34 47.16	1.1			e	37 56.80		
	1.4s	103.80nm		5.4mb			ePcP	37 16.40		TOA	58.96	335 eP	37 51.00	-0.2	
DAU	28.78	333 eP	33 49.91	0.0	YBH	35.66	323 ePc	34 47.52	-2.3	RES	59.27	360 eP	37 52.00	-1.0	
ISA	29.30	318 P	34 00.00	5.6X		3.9s	1080.00nm		6.1mb X	GDH	59.63	16 iP-	37 56.00	0.4	
Z	18s	129.78um		6.6MsZ	Z	19s	87.00um		6.5MsZ			i	46 15.00		
DUG	29.31	331 ePc	33 54.69	0.2			eS	40 23.52		CACB	59.76	127 iPc	37 53.60	-3.8X	
	3.3s	1490.67nm		6.2mb X			eLQ	43 01.52				e	38 02.00		
Z	19s	81.51um		6.4MsZ			eLR	45 42.52				e	38 51.40		
		S	39 07.18		KMPM	35.71	320 P	34 50.70	0.5			eS	46 04.00		
ABL	29.31	316 eP	33 53.99	-0.7	FHC	35.85	321 eP	34 52.25	0.9			e	57 13.00		
RSSD	29.69	346 ePc	33 58.16	0.2		1.8s	1148.01nm		6.5mb	PMR	59.98	333 P	37 57.10	-1.0	
	2.0s	246.06nm		5.7mb	ARC	35.95	321 eP	34 52.64	0.5	Z	1.2s	89.71nm		5.8mb	
TNP	30.08	323 eP	34 01.82	0.3		1.5s	380.00nm		6.1mb	Z	20s	27.31um		6.4MsZ	
	1.8s	189.31nm		5.6mb	Z	18s	122.00um		6.7MsZ	RUV	60.28	242 iPd	37 56.30	-4.5X	
BCH	30.09	316 ePc	34 00.31	-1.2			eS	40 35.89			1.7s	423.50nm		6.3mb	
BW06	30.10	338 ePc	34 00.62	-1.1			eLQ	44 42.89		VAO	60.32	128 eP	37 59.80	-1.3	
	2.2s	248.59nm		5.7mb			eLR	46 16.89				e	38 04.50		
YSNY	30.34	24 ePc	34 00.89	-2.6X	VIPM	36.37	328 P	34 55.62	-0.2			ePP	38 07.40	25kmX	
	3.2s	1216.66nm		6.2mb X	MIM	36.76	31 eP	34 58.38	-0.5			eSP	38 11.50		
Z	18s	67.34um		6.3MsZ	CROR	36.89	328 P	34 59.98	-0.1			e(S)	46 16.00		
MTUM	30.41	320 ePc	34 04.79	0.4	VGB	37.16	329 eP	35 03.27	1.0	TPT	60.39	242 iPd	37 57.20	-4.3X	
HVU	30.56	333 ePc	34 05.34	-0.3	EMM	37.19	33 (P)	35 01.87	-0.6		1.5s	152.50nm		5.9mb	
MRCM	30.58	321 eP	34 06.41	0.5	VBEM	37.25	328 P	35 03.90	0.7	VAH	60.52	242 iPd	37 58.00	-4.4X	
BONR	30.64	322 ePc	34 06.25	-0.3	SSOR	37.56	327 P	35 05.35	-0.4		1.8s	296.90nm		6.1mb	
MEMM	30.84	321 P	34 07.30	-0.6	NEW	37.60	335 ePc	35 05.16	-0.8	PMO	60.64	243 iPd	37 58.80	-4.4X	
MMPM	30.85	320 eP	34 08.68	0.2		1.8s	276.79nm		5.8mb		1.7s	227.90nm		6.0mb	
GPD	30.97	31 eP	34 10.65	1.6	Z	19s	134.52um		6.8MsZ	VAO2	60.77	128 eP	38 01.40	-2.8	
BINY	31.18	27 eP	34 09.60	-1.3			37.63	325 P	35 06.79	0.5	COL	60.92	337 eP	38 02.58	-1.9
	0.8s	33.05nm		5.3mb	RNO	37.74	334 ePc	35 07.40	0.2		2.0s	465.95nm		6.3mb	
Z	20s	66.38um		6.3MsZ	DPW	38.01	329 P	35 10.42	0.9	FBA	60.92	337 eP	38 02.41	-2.1	
		SP	39 48.21		SAW	38.13	333 P	35 10.61	0.2		0.9s	24.72nm		5.3mb	
TBR	31.18	31 (P)	34 10.72	-0.1	SHW	38.36	329 P	35 13.40	0.9	CRP	61.18	332 eP	38 04.91	-1.6	
PAL	31.23	31 eP+	34 07.98												

30d 18h

	PcP	38	49.00		FLN	81.31	42	eP	40	07.40	0.1	HFS	85.62	28	ePKP	40	31.50	2.4			
	PP	40	30.30			1.6s	333.35nm			6.1mb			0.5s	2.70nm			4.7mb	X			
	PPP	41	42.20		Z	22s	38.00um			6.7Msz		HAU	85.89	41	eP	40	30.50	-0.3			
	S	46	42.50		ECRI	81.32	48	eP	40	08.36	0.7		0.8s	41.75nm			5.7mb				
	SSS	53	44.40		EBAN	81.35	53	iPd	40	07.99	0.2	Z	23s	22.15um			6.5Msz	X			
TVO	63.08	241	iPd	38	15.10	-4.6X	TNF	81.36	59	eP	40	12.00	4.1X	BSF	86.23	41	eP	40	32.10	-0.5	
	1.3s	226.70nm			6.2mb		LDF	81.58	42	eP	40	08.90	0.1		1.2s	52.35nm			5.6mb		
PPN	63.11	241	iPd	38	15.10	-4.7X		1.1s	108.90nm		5.8mb	ECH	86.34	41	P	40	32.62	-0.4			
PPT	63.25	241	P	38	16.20	-4.6X	ECOG	81.71	54	iPc	40	10.63	0.8	CDF	86.35	41	eP	40	33.00	-0.1	
PAE	63.30	241	iPd	38	16.40	-4.6X	EGUA	81.81	54	eP	40	11.35	1.1		1.0s	29.60nm			5.5mb		
	1.6s	181.60nm			6.0mb		ELIZ	81.89	48	eP	40	12.71	2.2	WLS	86.40	41	P	40	32.48	-0.8	
AFR	63.41	241	iPd	38	17.10	-4.7X	MFF	82.04	44	eP	40	11.20	0.0	LOMF	86.41	42	P	40	33.08	-0.3	
TTA	63.47	333	P	38	17.90	-3.7X		1.4s	112.40nm		5.7mb	MOF	86.44	41	P	40	32.62	-1.0			
	1.6s	81.97nm			5.6mb		EVIA	82.22	52	eP	40	13.14	0.7	TNS	86.47	39	ePc	40	33.90	0.3	
PDA	64.24	55	eP	38	26.00	-1.0	ZFT	82.27	59	eP	40	11.00	-1.7		iPcP			40	36.30		
AKU	70.55	25	iPc	39	06.00	-0.1	EHUE	82.34	53	eP	40	12.43	-0.7	LANF	86.49	40	P	40	33.83	0.1	
	2.0s	447.06nm			6.2mb		LOF	82.42	21	eP	40	13.03	0.3	LIBD	86.64	41	P	40	34.00	-0.4	
DAG	71.88	14	eP	39	14.20	0.1	EGRA	82.99	48	eP	40	19.98	3.8X	COP	86.74	33	iP+	40	37.00	2.3	
	1.0s	108.00nm			5.9mb		LFF	83.05	45	eP	40	16.50	0.0		e			43	56.00		
RAR	73.49	242	P	39	28.00	3.6X		1.3s	161.00nm		6.0mb		iS				51	03.00			
	S			48	56.00		ECHE	83.15	51	eP	40	17.55	0.3	BBS	86.81	42	P	40	34.58	-0.7	
ILT	73.58	337	iPc	39	24.00	-0.1	NSS	83.19	25	eP	40	17.07	0.3	EMS	86.89	43	P	40	37.61	1.7	
Z	18s	27.00um			6.6Msz		EALH	83.24	53	P	40	21.04	3.4X	LPL	86.94	44	eP	40	36.60	0.4	
N	14s	13.00um					LSF	83.25	44	eP	40	17.00	-0.5		1.4s	78.85nm			5.7mb		
E	16s	28.00um						1.0s	45.00nm		5.6mb	LPG	86.95	44	eP	40	36.70	0.3			
	i			42	06.00		EPF	83.25	47	eP	40	17.60	0.0		1.5s	66.35nm			5.6mb		
	iPS			49	36.00			2.0s	353.35nm		6.2mb	FEL	86.99	41	P	40	35.21	-1.1			
VAL	74.62	40	iP	39	30.00	-0.5	LPO	83.42	46	eP	40	18.30	-0.1	SDF	87.06	19	eP	40	35.00	-1.1	
	S			49	11.00			1.3s	125.25nm		5.9mb	RRL	87.16	44	P	40	39.85	2.5			
MBO	74.71	79	iPd	39	32.70	1.1	RJF	83.48	45	eP	40	18.60	-0.1	DIX	87.20	43	P	40	40.27	2.7X	
DCN	76.26	38	eP	39	39.50	-0.3		1.2s	99.35nm		5.9mb	LSD	87.24	44	P	40	39.07	1.4			
	1.0s	116.00nm			5.9mb		Z	22s	29.00um		6.6Msz	SLE	87.33	41	P	40	39.84	2.0			
DCN	76.26	38	eP	39	48.90	9.1X	TRO	83.56	19	eP	40	19.00	0.4	LRG	87.34	46	eP	40	37.90	0.0	
	0.9s	192.00nm			6.2mb		TCF	83.69	44	eP	40	19.50	-0.3		1.1s	72.75nm			5.9mb		
DLF	76.71	38	eP	39	41.60	-0.7		1.8s	282.25nm		6.2mb	ZLA	87.36	41	P	40	40.54	2.5X			
	1.1s	170.00nm			6.0mb		HYF	83.71	43	eP	40	20.10	0.3	RSP	87.40	44	P	40	40.17	1.8	
DLF	76.71	38	eP	39	51.40	9.1X	UCC	83.81	39	P+	40	20.00	-0.2	LMR	87.49	46	eP	40	38.30	-0.3	
	1.0s	304.00nm			6.3mb			S			50	48.00			1.1s	81.55nm			5.9mb		
STS	76.89	49	eP	39	43.14	-0.4	SNF	83.85	39	iPc	40	20.26	-0.1	PET	87.51	325	iP-	40	39.00	0.6	
LIS	77.11	53	eP	39	41.00	-3.8X	KONO	83.88	30	eP	40	11.62	-8.8X		e			40	50.00		
EAB	77.55	35	eP	39	46.70	-0.2		1.3s	206.12nm		6.2mb		e				44	12.00			
YRC	77.88	38	eP	39	49.90	1.1	DBN	83.92	38	iP+	40	22.00	1.3		eS			51	08.00		
YRH	77.92	38	eP	39	51.60	2.6	Z	20s	11.00um		6.2Msz		ePS				52	20.00			
EBH	77.99	35	eP	39	50.10	0.7		ePP			43	33.00			eSS			57	00.00		
ERUA	78.00	49	eP	39	49.76	0.0		eS			50	45.00		FRF	87.51	46	eP	40	38.50	-0.2	
WME	78.02	38	eP	39	51.90	2.4		ePS			51	35.00			1.0s	44.60nm			5.7mb		
KBS	78.12	11	iPd	39	52.00	2.3		eSS			00	00.00		BHB	87.51	44	P	40	40.76	2.0	
EDU	78.21	34	eP	39	50.30	-0.2	EBR	83.93	49	iP+	40	21.00	0.0	PZZ	87.51	45	P	40	40.99	2.1	
EDI	78.23	35	eP	39	55.40	4.8X		iS			50	44.00		UPP	87.53	28	iP	40	38.70	0.3	
	2.0s	1750.00nm			6.8mb		MAF	83.95	44	eP	40	21.00	-0.1		iSKS			51	06.00		
Z	21s	22.00um			6.5Msz			1.2s	94.90nm		5.9mb		iS				51	30.00			
N	22s	6.00um					CAF	83.96	45	eP	40	21.00	-0.2	MMK	87.57	43	P	40	40.88	1.6	
E	22s	18.00um						1.0s	38.80nm		5.6mb	CALN	87.61	45	P	40	38.25	-1.1			
	eS			49	56.80		BGF	84.04	43	eP	40	21.30	-0.2	MVIF	87.75	45	P	40	39.18	-0.9	
EDI	78.23	35	eP	39	51.30	0.7		1.1s	107.95nm		6.0mb	STV	87.75	45	P	40	43.10	3.1X			
ESK	78.32	36	eP	39	50.80	-0.4	NAO	84.05	28	P	40	22.07	0.8	TOUF	87.77	45	P	40	38.72	-1.5	
	1.0s	88.00nm			5.8mb		NB2	84.14	28	P	40	21.50	-0.3	ENR	87.82	45	P	40	42.64	2.3	
EBL	78.33	35	eP	39	52.20	1.0		3.0s	445.80nm		6.2mb	AUTN	87.90	45	P	40	39.48	-1.4			
EKA	78.35	36	Pc	39	50.90	-0.4	DOU	84.16	40	Pc	40	23.40	1.4	TIC	87.95	84	P	40	40.27	-1.1	
	0.9s	68.10nm			5.7mb		AVF	84.31	43	eP	40	22.30	-0.5		0.9s	16.00nm			5.3mb		
ESY	78.55	35	eP	39	52.10	-0.3		1.0s	44.40nm		5.6mb	LLS	87.97	42	ePd	40	43.60	2.5			
HCG	78.59	39	eP	39	52.50	-0.3	SSF	84.34	43	eP	40	22.70	-0.3	LIC	88.05	84	P	40	40.87	-0.9	
SMY	78.61	322	P+	39	55.45	2.7X		1.0s	78.40nm		5.9mb		1.0s	44.00nm			5.7mb				
Z	19s	14.30um			6.3Msz		NRAO	84.40	28	iPc	40	23.70	0.7	Z	21s	14.50um			6.4Msz		
	S			49	55.31		LOR	84.51	43	eP	40	23.80	-0.1	ROB	88.10	45	P	40	42.91	1.3	
CIA	78.70	60	iP	39	54.50	0.8		1.5s	226.70nm		6.2mb	TMA	88.15	43	ePd	40	43.30	1.3			
HTR	78.87	39	eP	39	53.80	-0.5	Z	22s	12.65um		6.3Msz	MOX	88.21	38	eP+	40	45.00	3.1X			
Eval	79.17	54	eP	39	56.42	0.2	WIT	84.57	37	eP	40	28.00	4.0X		1.9s	110.00nm			5.9mb		
EPLA	79.21	51	eP	39	55.52	-0.9	LBF	84.67	43	eP	40	24.50	-0.2	Z	18s	16.00um			6.5Msz		
HGH	79.24	39	eP	39	57.00	0.8		1.4s	104.10nm		5.9mb		eSKS				51	20.00			
HAE	79.32	39	eP	39	55.80	-0.9	SMF	84.68	43	eP	40	24.30	-0.4	IMI	88.24	45	P	40	44.47	2.1	
AVE	79.48	58	eP	39	45.00	-13.0X		1.3s	96.05nm		5.9mb	KIC	88.29	84	eP	40	42.01	-1.0			
	i			40	00.00		MUD	84.76	33	iPc	40	28.00	3.2X		1.2s	46.50nm			5.7mb		
KDS	79.62	80	eP	39	54.00	-5.0X		0.9s	34.00nm		5.6mb		e				41	22.00			
TIO	80.09	61	iP	40	01.00	-0.5	ENN	84.77	39	eP	40	25.50	0.5	GRF	88.33	39	ePc	40	42.60	0.0	
EHOR	80.29	53	iPc	40	00.91	-1.3		0.9s	56.70nm		5.8mb		7.0s	2232.00nm			6.6mb	X			
EJIF	80.40	55	P	40	06.32	3.5X	COLF	84.90	44	P	40	25.75	-0.1	Z	21s	17.00um			6.4Msz		
EPRU	80.48	54	eP	40	04.15	0.8	WTS	84.91	37	eP	40	26.50	0.8		e			40	53.50		
GUD	80.54	50	P	40	03.92	0.3		1.0s	76.90nm		5.9mb	GRF	88.33	39	ePc	40	42.70	0.1			

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			e	51	08.00		PUL	92.99	25	eP+	41	03.00	-1.0	SPA	105.32	180	iPKPd	46	15.30	1.9
			iS	51	29.00		Z	21s	15.00um				6.4Msz	ANN	105.84	33	ePdiff42	04.00	1.9	
FIN	88.36	45	P	40	44.01	1.2	N	21s	6.70um					Z	16s	12.00um			6.5MszX	
VDL	88.40	42	P	40	46.29	3.1X	E	21s	11.00um					N	19s	4.00um				
PCP	88.47	44	P	40	44.01	0.6				e	44	48.00		E	19s	4.00um				
BRNL	88.52	36	ePc	40	43.50	0.2				e	51	39.00					e	52	45.00	
			eS	51	36.00					eS	52	00.00		MDJ	107.95	328	ePdiff42	14.00	2.5X	
CLL	88.76	37	eP	40	43.00	-1.5				eSS	58	34.00		Z	24s	16.10um			6.5MszX	
	1.9s		77.00nm			5.7mb	OJC	93.12	36	iPd	41	02.80	-2.0				PP	46	40.00	
			eSKS	51	20.00		Z	21s	13.60um				6.4Msz	SOC	108.00	33	ePdiff42	15.00	3.2X	
			eS	51	37.00					i	44	48.20		Z	20s	7.50um			6.2Msz	
OSS	88.77	42	P	40	47.77	2.8X				iS	51	38.90		N	21s	0.50um				
FUR	88.94	40	iPc	40	45.30	-0.2	SRO	93.38	38	iP	41	10.00	4.0X	E	18s	2.00um				
			ePP	44	15.60					e	44	28.90					e	46	39.00	
			eSKS	51	18.60		SPC	93.87	37	eP	41	10.30	1.8				e	52	54.00	
BRG	89.48	37	eP	40	47.80	-0.2	PSZ	94.27	38	iP	41	10.40	0.1	MAT	108.17	317	ePdiff42	08.00	-4.8X	
	1.4s		60.00nm			5.7mb	MNK	95.26	30	eP	41	12.00	-2.5	Z	20s	7.09um			6.2Msz	
			i	40	50.80					e	45	04.00		PYA	109.39	31	ePdiff42	18.00	0.0X	
			iSKS	51	20.00					e	51	50.00		Z	18s	10.00um			6.4Msz	
WTTA	89.50	41	iPd	40	44.40	-4.0X				eS	52	20.00					i	46	48.00	
			i	40	57.90		YAK	95.28	341	iPc	41	12.80	-1.7				ePPP	49	10.00	
WET	89.54	39	iPc	40	51.50	3.1X				1.7s	64.00nm		5.8mb				iSS	02	16.00	
Z	21s		33.00um			6.7Msz	Z	17s	17.60um				6.6MszX	IRK	110.61	348	ePdiff42	28.00	4.8X	
KHC	89.97	39	eP	40	51.00	0.6	N	18s	5.60um								e	47	05.50	
	1.4s		47.70nm			5.5mb	E	17s	11.60um								e	56	31.00	
Z	22s		30.70um			6.7Msz				eS	51	45.00					e	57	26.00	
N	20s		3.20um				UZH	95.32	36	iP+	41	14.50	-0.4	BCAO	111.04	79	ePKPd	46	11.10	
E	22s		20.10um					1.8s	280.00nm				6.4mb		0.5s		3.00nm		-14.6X	
			e	41	00.00					i	51	49.00					ic	47	07.00	
			ePP	44	22.00					eS	52	26.00		GRO	111.18	30	ePdiff42	22.00	-3.9X	
			SKS	51	22.00					iPS	53	50.00					i	47	12.00	
KAF	90.03	24	iP	40	51.40	1.1				iSPP	54	32.00		HLW	111.23	49	(Pdiff42	30.00	3.5X	
BHG	90.10	40	iPc	40	53.70	2.7X	LVV	95.69	35	iP	41	17.00	0.4	ZAK	112.60	348	ePdiff42	30.00	-2.1	
			i	41	01.10					i	51	50.00			3.0s		95.00nm			
GEC2	90.16	39	P	40	51.30	0.0				ePS	53	59.00					e	47	13.50	
	1.1s		21.47nm			5.3mb				eSSS	02	39.00					e	49	46.00	
			PcP	40	53.50		CEI	95.89	37	eP	41	30.00	12.4X				e	56	44.00	
			e	41	01.80		OHR	98.09	44	eP	41	07.50	-20.2X	SNY	112.98	330	Pdiffc42	36.00	2.0	
			e	41	05.80		SKO	98.10	43	iPc	41	28.50	0.8	Z	23s	11.30um			6.4MszX	
PRU	90.19	38	eP	40	50.70	-0.6	Z	21s	12.26um				6.4Msz	E	15s	8.32um				
	1.1s		89.80nm			5.9mb				i	41	38.00					PP	47	17.00	
			pP	41	00.90	32kmX				iPP	45	25.00		GUMO	114.42	293	e(Pdiff42	38.30	-2.7X	
			PP	44	22.60					iPSP	45	58.00		TAB	115.44	33	ePdiff42	38.00	-7.3X	
			SKS	51	24.30					i	53	46.00					i	47	26.00	
			pS	51	53.70					iPS	54	23.50					i	57	02.00	
NUR	90.25	26	eP	40	52.00	0.7				LR	24	12.00		DL2	116.17	329	ePdiff42	49.00	0.8	
			e	44	20.00		MOS	98.59	25	eP	41	32.00	2.4	Z	24s	6.43um			6.2MszX	
			eS	51	24.00			2.0s	160.00nm				6.2mb	E	15s	13.30um				
FIR	90.57	44	eP	40	50.00	-3.1X	Z	22s	17.00um				6.5Msz				PP	47	40.00	
			iS	51	22.00		N	22s	10.50um					DRV	117.66	202	ePdiff43	00.00	5.8X	
KBA	90.65	41	iPc	40	53.30	-0.4	E	22s	15.50um								PP	47	55.00	
	1.3s		35.20nm			5.5mb				e	45	37.00					SKS	53	27.00	
			i	40	58.00					e	52	08.00					SP	57	48.00	
KMR	90.74	39	iP+	40	53.70	-0.2				ePS	54	32.00					SS	04	12.00	
			iPP	44	28.10		OBN	98.61	26	iPc+	41	29.00	-0.7	BJI	117.79	334	ePdiff42	52.00	-3.4X	
KSP	90.85	36	eP	40	55.40	1.1				1.5s	42.00nm		5.8mb	BJI	117.79	334	ePKP	46	30.00	
VOY	91.42	41	eP	40	56.70	-0.5				i	41	38.10		Z	24s	13.40um			6.5MszX	
			epP	41	14.60	63kmX				e	45	35.00		N	19s	7.60um				
			e	41	52.50					iPPP	47	40.00					ePP	47	50.00	
TRI	91.46	42	e(P)	40	57.50	0.3				i	52	08.00					eSKS	53	36.00	
			e(PP)	44	36.00					eS	52	57.00					eSKKS	54	42.00	
			e(S)	52	04.00					iPS	54	24.00					eSS	04	02.00	
			e(SP)	53	12.00					ePPS	55	12.00		HHC	118.95	337	PKP	46	39.80	
			e	54	36.00					iSS	59	42.00		Z	20s	16.80um			6.7Msz	
			e(SS)	57	40.00		MLR	99.09	38	eP	41	34.00	1.7	N	18s	8.97um				
			e(SSS)	01	48.00		BUC	99.77	39	ePc	41	34.50	-0.7	E	18s	15.20um				
			e	05	24.00		KIS	99.92	35	iP+	41	34.00	-1.8				PP	47	59.00	
LJU	91.82	41	eP	40	58.50	-0.4	Z	20s	13.60um				6.5Msz				SKS	53	39.00	
			epP	41	08.50	31kmX				i	45	42.00		BTO	119.73	338	ePKP	46	40.00	
			ePP	44	36.00					iS	52	17.00		N	20s	4.48um			-1.6	
			eSKS	51	33.00					iPS	54	40.00		E	20s	2.37um				
			eS	52	04.00		SIM	104.08	35	ePdiff41	56.00	1.7					PKP	46	44.00	
			e	52	40.00		Z	22s	9.50um				6.3Msz	WMQ	121.01	358	ePKP	46	43.00	
			e	53	12.00		N	22s	12.00um					TLG	121.16	7	ePKP	46	43.00	
VKA	91.98	39	iPc	40	59.10	-0.5	E	22s	7.00um								i	48	13.00	
	7.5s		2799.00nm			6.7mb X				e	46	08.00					e	50	53.00	
Z	22s		14.00um			6.4Msz				e	52	36.00					i	53	44.00	
			i	41	09.50					ePPS	55	28.00					iPS	58	00.00	
		</																		

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N 24s	14.00um		N 18s	6.07um		MQZ	5.05	198	P	10	24.80	-1.0
E 24s	11.50um		E 18s	3.53um					S	11	20.70	
	e	58 08.00		PP	49 42.00				eP	10	26.80	-0.5
TIY	121.32	335 ePKP	46 43.20	-1.5	NDI	135.47	10	ePKP	47 08.00	-3.9X		
SSE	122.31	323 PKP	46 38.00	-8.6X				ePP	49 43.00			
Z 20s	7.80um			ePKS	50 44.00				eSKKS56	48.00		
N 15s	3.00um			ePPS	01 08.00							
E 15s	2.20um								S.D. = 0.4	on 31 of 31 obs.		
MAIO	123.07	25 ePKP	46 50.00	1.9	KMI	136.27	337 PKPc	47 11.00	-2.9X			
FRS	123.37	116 ePKP	46 36.00	-12.7X								
GTA	123.80	346 Pdifff	43 24.00	1.6	Z 28s	16.50um			6.6MsZ			
GTA	123.80	346 ePKP	46 50.00	0.5	N 16s	5.70um						
Z 26s	23.50um			6.7MsZ	E 14s	4.00um						
E 19s	10.30um											
	PP	48 29.00										
	SKS	53 53.00			GUN	136.93	359 PKP	47 07.20	-8.0X			
GRM	124.31	120 ePKP	46 50.00	-0.6	KKN	137.05	0 PKP	47 06.60	-8.7X			
Z 20s	29.30um			6.9MsZ	QIZ	138.11	324 PKP	47 18.00	0.8			
KSH	124.73	9 ePKP	46 48.00	-3.3X	N 18s	3.36um						
Z 30s	28.70um			6.8MsZ	E 19s	6.25um						
N 19s	21.00um				CHTO	143.43	338 ePKP	47 21.00	-5.6X			
E 17s	19.70um											
KSR	124.74	111 ePKP	46 40.50	-11.3X								
LSZ	125.07	98 ePKP	46 52.00	-0.6	LOE	143.58	333 ePKP	47 23.00	-3.9X			
	e	48 42.00			PAF	143.98	163 ePKP	47 37.00	10.4X			
SHI	125.17	35 ePKP	47 02.00	9.5X	BDT	144.85	337 ePKP	47 26.50	-2.5X			
MAW	125.85	170 iPKPc	46 50.60	-1.8								
	1.3s	14.30um			NST	145.81	334 ePKP	47 29.00	-1.7			
Z 21s	17.10um			6.7MsZ	KLB	146.32	236 ePKP	47 20.50	-10.7X			
	iPP	48 39.50										
	eSKS	53 50.30			HYB	146.70	12 ePKP	47 30.50	-1.7			
	eSKKP	59 39.70										
	eSS	05 46.10										
LZH	125.86	341 Pdifff	43 30.00	-1.7	MBL	146.76	255 iPKPd	47 31.80	-0.3			
LZH	125.86	341 PKP	46 54.00	0.3								
Z 32s	20.40um			6.6MsZ	MEEK	147.06	245 ePKP	47 32.00	-0.5			
E 20s	13.90um				KHT	147.24	336 ePKP	47 33.50	0.5			
	SKS	54 03.00			MUN	147.40	234 ePKP	47 34.00	1.1			
	SKKS	55 38.00										
XAN	125.92	336 PKP	46 51.00	-2.7X	BAL	147.52	237 ePKP	47 33.20	0.1			
Z 20s	13.00um			6.6MsZ								
N 18s	5.53um				MRWA	148.57	239 ePKP	47 36.10	1.2			
E 18s	13.70um											
	PP	48 46.00			NNT	148.72	332 ePKP	47 37.00	1.6			
	SKS	53 53.00			GBA	150.13	15 PKP	47 39.00	1.5			
	SS	05 50.00			NANU	150.59	251 ePKP	47 42.20	4.1X			
SLR	125.99	111 e(PKP)	47 04.00	9.8X	SNG	152.90	325 ePKP	47 42.80	1.1			
Z 18s	30.50um			7.0MsZ	KOD	153.36	17 ePKP	47 43.00	0.3			
WHN	126.43	329 ePKP	46 54.50	-0.2								
Z 20s	6.83um			6.3MsZ	LEM	156.52	289 iPKPc	47 55.00	8.2X			
	PP	48 50.00							S.D. = 1.1	on 346 of 451 obs.		
	SKKS	55 34.00										
STK	126.46	242 iPKPc	46 52.20	-2.5X								
KRI	126.63	100 ePKP	47 10.10	14.5X								
BFT	127.58	111 ePKP	46 56.50	-0.8								
CD2	130.64	339 ePKP	47 01.00	-1.8								
Z 30s	15.20um			6.5MsZ								
E 19s	15.30um											
	ePP	49 15.00										
GZH	132.91	324 ePKP	47 04.00	-3.2X								
Z 20s	5.61um			6.3MsZ								
N 18s	5.21um											
E 17s	1.95um											
	PP	49 36.00										
BAG	132.96	311 ePKP	47 08.00	0.3								
WR2	133.17	257 iPKPc	47 05.20	-2.6X								
	0.8s	6.70nm										
WRA	133.19	257 Pdifff	44 04.80	0.3								
	1.2s	0.60nm										
WRA	133.19	257 PKP	47 06.20	-1.6								
	1.3s	4.80nm										
WRA	133.19	257 PKP	47 24.00	16.2X								
	1.4s	4.70nm										
GYA	133.48	333 PKP	47 06.00	-2.4								
Z 22s	12.40um			6.6MsZ								
N 22s	8.70um											
E 22s	5.98um											
	PP	49 36.00										
	SKKS	56 28.00										
ASPA	133.65	252 ePKP	47 05.00	-3.7X								
Z 23s	18.50um			6.7MsZ								
	ePP	49 40.40										
	iPKS	50 38.00										
DAV	134.26	296 ePKP	47 08.00	-2.0								
LSA	134.79	353 PKP	47 11.30	0.1								
Z 27s	19.40um			6.7MsZ								

30d 21h

BCH 21.32 324 eP 41 06.64 -0.9
 EMUT 21.75 348 eP 41 10.94 -1.0
 DAU 22.41 347 eP 41 17.70 -1.0
 BONR 22.56 331 eP 41 21.03 0.9
 DUG 22.57 344 eP 41 20.49 0.4
 1.1s 12.39nm 4.3mb
 MMPM 22.62 330 eP 41 22.13 1.3
 MEMM 22.63 330 eP 41 21.76 1.4
 ELC 23.12 33 (P) 41 24.05 -1.1
 CMB 23.62 328 eP 41 30.51 0.3
 0.9s 5.94nm 4.1mb
 ARN 23.70 325 eP 41 31.83 0.9
 HVU 24.06 345 eP 41 34.56 0.0
 FRM 25.30 48 eP 41 43.38 -2.9X
 ORV 25.35 329 eP 41 48.72 2.0
 HHAI 25.41 347 (P) 41 47.82 0.4
 LBFM 26.93 331 eP 42 03.18 1.6
 LRM 27.85 349 eP 42 09.50 -0.5
 SDV 34.57 102 eP 43 09.10 -0.3
 LPAZ 50.10 132 P 45 15.10 -1.0
 LPB 50.29 132 eP 45 17.00 -0.3
 INK 52.85 347 eP 45 34.00 -1.5
 0.9s 4.00nm 4.4mb
 SIV 55.15 126 P 45 50.70 -2.4
 MOCB 55.18 134 P 45 52.70 -1.1
 IMA 57.02 339 (P) 46 07.54 1.5
 DAG 71.12 14 eP 47 37.00 -0.9
 0.8s 5.97nm 4.7mb
 GEC2 93.53 36 P 49 33.90 -1.2
 0.9s 1.28nm 4.3mb
 WR2 124.33 258 iPKPc 55 17.10 -2.0
 0.5s 6.40nm
 HYB 144.04 354 ePKP 55 51.60 -4.3X
 GBA 147.91 356 PKPc 56 04.00 1.7
 S.D. = 1.2 on 53 of 56 obs.

* SEP 30, 1993 22h 20m 25.02± 0.60s
 33.773 N ± 8.1km 88.672 E ± 9.2km
 DEPTH = 33.0km (normal)
 4.6mb (8 obs.)

XIZANG (306)

LSA 4.58 152 Pn 21 36.50 2.3
 Z 10s 1.91um
 GUN 6.32 203 P 21 58.80 0.2
 0.6s 29.00nm 5.2mb
 KKN 6.64 207 P 22 02.40 -0.6
 0.6s 32.00nm 5.3mb
 DMN 6.87 207 P 22 06.60 0.4
 0.6s 45.00nm 5.5mb
 WMQ 10.06 356 P 22 50.30 -0.1
 KMI 14.97 121 eP 23 55.00 -1.1
 XAN 16.82 83 eP 24 21.90 2.3
 GYA 17.18 110 P 24 21.80 -2.4
 1.0s 13.00nm 4.0mb
 GBA 22.53 210 P 25 23.00 -0.3
 GEC2 56.08 310 P 30 02.40 -0.8
 0.9s 1.61nm 4.1mb
 e 30 05.20
 e 30 07.00
 e 30 10.60
 e 30 10.60
 CDF 60.29 311 eP 30 33.50 0.9
 LPG 61.60 308 eP 30 44.80 3.0X
 LPL 61.60 308 eP 30 44.10 2.3
 0.6s 2.25nm 4.5mb
 LOR 62.84 310 eP 30 48.90 -0.8
 SSF 63.14 310 eP 30 50.40 -1.3
 WRA 68.90 134 P 31 29.00 0.2
 0.6s 0.80nm 4.0mb
 WR2 68.92 134 eP 31 27.70 -1.2
 0.5s 2.50nm 4.5mb
 S.D. = 1.5 on 16 of 17 obs.

* SEP 30, 1993 22h 36m 20.88± 0.35s
 19.282 S ± 11.6km 167.608 E ± 9.9km
 DEPTH = 44.9km (4 depth phases)
 5.0mb (15 obs.)

VANUATU ISLANDS REGION (185)

PVC 1.67 24 iPd 36 41.50 -6.7X
 iS 36 59.50
 BKM 1.71 21 iP 36 42.50 -6.3X
 iS 37 00.00
 DZM 2.98 201 iPd 37 06.00 -0.9
 iS 37 42.90
 CTA 20.12 264 eP 40 53.20 -0.7
 0.9s 186.55nm 5.4mb

CNB 22.70 222 eP 41 04.60 49km
 0.9s 22.00nm 4.6mb
 BWA 22.76 225 eP 41 21.30 0.9
 i 41 32.80 46km
 CAN 22.93 222 eP 41 25.20 3.1X
 i 41 36.90 47km
 STK 26.53 237 eP 41 57.40 1.1
 1.0s 9.40nm 4.3mb
 iPP 42 07.70 38km
 WR2 31.29 263 iPc 42 37.20 -2.0
 0.5s 2.10nm 4.2mb
 ASPA 31.62 256 eP 42 41.20 -0.9
 0.6s 22.60nm 5.2mb
 Z 21s 0.50um 4.2MsZ
 eS 47 15.00
 MBL 44.74 259 eP 44 31.70 -0.2
 0.7s 14.00nm 4.9mb
 KLB 46.30 244 eP 44 44.00 -0.2
 0.7s 19.00nm 5.1mb
 BAL 47.16 246 eP 44 50.50 -0.5
 MUN 47.64 244 eP 44 54.50 -0.2
 0.7s 44.00nm 5.6mb
 MRWA 47.77 248 eP 44 35.50 -20.3X
 NANU 48.56 257 eP 45 02.60 0.6
 0.6s 12.00nm 5.1mb
 BJI 76.01 322 eP 48 05.00 -0.1
 1.0s 6.00nm 4.5mb
 TIY 76.83 318 eP 48 09.60 -0.3
 KMI 76.99 303 Pd 48 12.00 0.7
 1.0s 40.00nm 5.4mb
 XAN 77.01 313 P 48 10.10 -0.9
 0.6s 4.50nm 4.7mb
 HHC 79.26 320 Pc 48 24.00 0.7
 1.1s 25.00nm 5.1mb
 BTO 80.05 319 eP 48 27.50 0.0
 LZH 81.62 313 Pd 48 36.80 0.9
 1.5s 32.00nm 5.1mb
 sP 48 48.00
 GTA 86.04 314 eP 48 58.40 0.1
 2.0s 18.00nm 5.0mb
 ONR 90.15 40 P 49 18.26 0.7
 VBEM 90.66 42 P 49 19.61 -0.5
 STW 90.81 39 P 49 20.95 0.4
 CROR 91.00 42 P 49 21.09 -0.5
 VIPM 91.03 43 P 49 21.32 -0.6
 ASR 91.14 41 P 49 21.76 -0.5
 LON 91.28 40 P 49 21.38 -1.5
 FMW 91.45 40 P 49 23.36 -0.4
 MCW 91.56 38 P 49 23.89 -0.1
 JCW 91.87 39 P 49 25.18 -0.3
 JBO 91.94 42 P 49 25.44 -0.4
 WTV 92.84 40 P 49 28.85 -1.1
 SAW 93.18 40 P 49 30.60 -0.9
 BRG 142.21 333 e(PKP) 55 48.00 -2.0
 KHC 143.64 331 ePKP 55 50.50 -2.0
 1.0s 5.40nm
 e 55 56.00
 GEC2 143.79 331 PKP 55 50.40 -2.5
 1.0s 3.11nm
 e 55 56.10
 e 56 02.20
 GRF 144.26 334 ePKP 55 51.80 -1.7
 Z 22s 0.10um 4.5MsZ
 BHG 144.97 330 iPKPc 55 54.30 -0.5
 KBA 145.20 329 iPKPd 55 53.40 -2.0
 0.9s 18.40nm
 i 55 58.20
 LJU 145.30 326 ePKPd 55 55.00 -0.4
 LJU 145.30 326 ePKP 55 57.00 1.6
 e 56 12.50
 FUR 145.39 332 ePKP 55 55.60 0.1
 0.9s 67.00nm
 ENN 145.39 339 ePKP 55 55.50 0.2
 1.0s 23.00nm
 VOY 145.64 327 ePKP 55 55.70 -0.4
 eP'bc56 06.20
 DLF 145.75 354 ePKP 55 57.80 1.9
 DCN 145.77 355 ePKP 55 55.80 -0.1
 0.9s 100.00nm
 WATA 145.86 331 iPKPd 55 56.40 -0.1
 WTTA 145.89 330 iPKPd 55 56.60 0.0
 1.1s 36.10nm
 i 56 06.60
 MOTA 146.07 331 iPKPd 55 57.20 0.3
 0.9s 30.90nm
 i 56 07.30

SQTA 146.12 331 iPKPd 55 57.40 0.5
 0.8s 27.90nm
 i 56 07.60
 WLF 146.24 338 iPKPd 55 58.09 1.3
 iS 16 42.70
 DOU 146.40 340 PKPc 55 58.30 1.2
 BCAO 146.42 248 iPKPd 55 59.40 1.2
 0.5s 13.00nm
 CDF 146.87 336 ePKP 55 59.40 1.4
 0.9s 34.70nm
 SLE 146.90 334 ePKPd 55 59.40 1.4
 OSS 147.00 331 ePKPd 56 00.40 2.0
 VDL 147.46 331 ePKPd 56 01.50 2.3
 BSF 147.53 336 ePKP 56 01.10 2.0
 1.0s 17.20nm
 HAU 147.56 336 ePKP 56 01.30 2.3
 1.1s 30.05nm
 TMA 148.02 332 iPKPd 56 02.80 2.8X
 MMK 148.46 332 ePKPd 56 04.60 3.8X
 DIX 148.68 333 ePKPd 56 05.20 4.0X
 FLN 149.06 345 ePKP 56 04.90 3.6X
 0.7s 10.15nm
 LOR 149.09 338 ePKP 56 05.40 3.9X
 0.8s 15.60nm
 LDF 149.12 344 ePKP 56 05.00 3.5X
 0.6s 3.50nm
 LBF 149.29 338 ePKP 56 06.00 4.2X
 SSF 149.39 338 ePKP 56 06.30 4.4X
 0.9s 27.35nm
 LPL 149.42 333 ePKP 56 06.80 4.5X
 0.8s 9.65nm
 LPG 149.42 333 ePKP 56 06.90 4.5X
 0.9s 14.60nm
 GRR 149.50 345 ePKP 56 06.20 4.2X
 0.8s 14.90nm
 HYF 149.50 340 ePKP 56 06.90 4.8X
 SMF 149.63 338 ePKP 56 06.50 4.2X
 AVF 149.67 338 ePKP 56 06.70 4.4X
 0.9s 9.50nm
 LPF 149.87 345 ePKP 56 07.30 4.7X
 1.1s 51.55nm
 BGF 150.05 339 ePKP 56 07.80 4.9X
 0.9s 16.40nm
 SBF 150.39 330 ePKP 56 09.30 5.7X
 1.0s 33.20nm
 MAF 150.44 339 ePKP 56 08.90 5.4X
 1.3s 24.90nm
 TCF 150.50 339 ePKP 56 08.90 5.2X
 1.0s 27.60nm
 PGF 150.59 327 ePKP 56 09.20 5.2X
 0.8s 41.10nm
 LSF 150.76 340 ePKP 56 09.30 5.3X
 0.9s 19.00nm
 MFF 150.95 342 ePKP 56 09.80 5.5X
 1.1s 31.50nm
 FRF 150.99 331 ePKP 56 09.80 5.4X
 1.3s 37.20nm
 LRG 151.20 331 ePKP 56 10.50 5.8X
 0.8s 19.90nm
 LMR 151.23 331 ePKP 56 10.40 5.6X
 0.8s 16.00nm
 RJF 151.60 339 ePKP 56 11.50 6.2X
 LFF 152.18 340 ePKP 56 12.60 6.5X
 0.8s 11.80nm
 LPO 152.26 339 ePKP 56 13.10 6.8X
 EPF 154.00 338 ePKP 56 17.90 9.1X
 S.D. = 1.2 on 58 of 92 obs.

* SEP 30, 1993 22h 50m 39.70± 0.58s
 53.698 S ± 11.9km 51.719 W ± 14.4km
 DEPTH = 10.0km (geophysicist)
 5.0mb (10 obs.)

SOUTH ATLANTIC OCEAN (409)

RFA 22.30 321 ePd 55 39.50 0.9
 MRA 23.52 329 ePd 55 50.90 0.5
 TCA 24.20 332 ePd 55 57.00 -0.2
 RTCB 25.38 324 iPc 56 09.00 0.4
 CYA 27.27 332 ePc 56 24.00 -1.9
 SNA 27.43 146 iPd 56 26.40 -0.5
 0.9s 35.29nm 5.1mb
 RSTA 29.08 5 eP 56 47.30 5.1X
 SLA 30.72 335 e(P) 56 56.00 -1.1
 PPD 31.62 1 eP 57 07.30 2.5
 MOCB 34.10 336 P 57 25.00 -1.9
 SPA 36.49 180 iPd 57 47.10 0.5
 1.1s 130.95nm 5.7mb

SIV	38.33	345	P	58	01.20	-1.1
CNCB	38.93	335	iP	58	09.00	1.0
LPB	39.23	335	P	58	11.00	0.7
Z	18s		0.69um			4.5MsZ
			eLR	11	00.00	
LPZ	39.48	335	Pc	58	13.50	1.0
			LR	11	13.20	
ARE	40.24	330	eP	58	20.00	1.5
NNA	46.16	325	eP	59	05.00	-1.1
	1.2s		23.44nm			5.1mb
FRS	59.14	99	eP	00	45.00	2.3
	0.7s		13.70nm			5.2mb
CSY	59.58	172	eP	00	45.20	0.0
	0.6s		2.40nm			4.5mb
SLR	63.88	98	eP	01	13.00	-1.8
	1.2s		31.25nm			5.4mb
SDV	64.38	339	iPd	01	17.50	-0.6
TOV	65.08	340	eP	01	22.10	-0.4
BUL	68.34	95	iP	01	42.60	-0.8
			i	01	50.30	
LIC	71.40	50	P	02	01.74	-0.1
	0.7s		6.00nm			4.8mb
KIC	71.65	50	P	02	02.32	-1.1
	0.7s		6.50nm			4.8mb
TIC	71.78	50	P	02	03.02	-1.1
	0.7s		2.50nm			4.4mb
BCAO	82.04	71	ePd	03	03.50	2.1
	0.5s		8.00nm			5.1mb
			ic	03	07.00	
NB2	124.80	32	PKP	09	45.70	5.8X
	0.8s		2.30nm			
KAF	130.66	37	ePKP	09	57.00	6.0X
KMI	145.67	136	PKPc	10	26.00	6.1X
	1.4s		70.00nm			
			pP	10	34.50	
LZH	155.50	126	ePKP	10	49.00	14.8X
	1.5s		19.00nm			
			pP	10	55.00	
S.D. = 1.3 on 26 of 31 obs.						

SEP 30, 1993 23h 15m 55.80± 0.76s						
51.129 N ± 5.9km 5.961 E ± 5.7km						
DEPTH = 10.0km (geophysicist)						
THE NETHERLANDS (540)						
ML 2.1 (BNS). MD 2.1 (UCC).						
MEM	0.52	177	iPc	16	06.44	0.1
			iS	16	14.41	
KLL	0.53	155	ePg	16	06.63	0.1
			eSg	16	15.00	
STB	0.77	133	iPg	16	11.43	0.6
	0.1s		33.00nm			
			iSg	16	22.06	
BNS	0.78	102	iPg	16	11.17	0.1
	0.6s		89.00nm			
			iSg	16	21.25	
WTS	1.02	31	ePg	16	15.00	0.0
	0.6s		9.90nm			
			eSg	16	28.50	
SNF	1.23	240	iPd	16	18.50	-0.1
BGG	1.27	136	iPnc	16	18.53	-0.9
	0.1s		28.00nm			
			iPg	16	19.19	
			i(Sn)	16	36.02	
DOU	1.35	221	P	16	20.80	0.2
			iS	16	38.70	
S.D. = 0.5 on 8 of 8 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			
AAE				X	X			X		X	X							X			X	X	XX						X	X	X		
AAI	XXX	XXX			XXX					XX	X	X			X	X														X	X	X	
ABL	X	X		X	X	XX	XXX	X	XXXX	XXXX	XXXX	XXXX	X	XXXX	XXXX	X	X			XXX	XXXXXXXX	XX			XX	X	X	X	XX	XXXX		X	
ACO	XXX			X	X	XX	XX	X		XXXX	XX	X		XX	X	X	XX	X	X	X	XX	XX	X			XX	X						
ACTO				X	X		X				X	X	XX								X	X								X	X		
ACU																					X	X	XX								X		
ACX	X		X	X	X		X	X	X		XXXX	XX	X	X	X			XX	X	X		X	X	X	X	X		XX	XXX	XXXX	X		
ADE	XX	X	X	X	X	X	X	XX	X	XXX	XX	XX	X	X	XXX	X	X		X	X	XX						X	X	X	X	XXXX	X	
ADK	X	X	X	X	X	XX	X		XX		XXXX	XX		XX	X	X																	
AFI	XXX			X	X	X	X		XX	X	X	X	XXXX		X	XXXX				X	X	X	XXX				X	X	X				
AFIF							X		X			XXX		XXX	X				X				X							X	X	X	
AFR				XXX		X	X	X			X									X		X				X	X	X	X		X	X	X
AGG	XXXX	XX	X	XX		XXXX	XX	XXX	XXXXXXXX	XXXX	X	XXXXXX	X	X	XXXX		XXX		X	X	XX	XXXXX	X	XXXXXXXXXXXX	XXXXX	XXXX	XXXX	X	X	X	X	X	
AGO	X				X						X	X									X				XXXXXXXXXXXX	XXXXX	XXXX	XXXX	X	X	X	X	
AGU	X	X	X	X	XX		XXXX	X		XX	X	X		X		X	X	XX		X			X	X		X	X	XXX	X	X		XX	
AGX	X	X	X	X	X						X	X	XX								X	X	X						X	X		X	
AKU	X	X	X	X	X	X	XX	X	X			XXX	X					X	X	X		X		X			X	X		X	X	X	
ALN	XX	X	XXXX	X	X		X	X	X	X	XXX	X	XXXX	X	X	X	XX	X	X	X	XXX	X	XXXX	X	X	X	X	XX	X	X	X	XX	X
ALQ	XX	X	X	X	XXXX	XXXX	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X	XXXXXXXXXXXX			XXXX	X	XX	XX	XX	X	X	XXX	XX	X	XX	XXXX	XXXX	
ALT	XXXX	XXX	XX	XXXXXXXX	X	XXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X					XXXXXX	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
ANM				X	X				X		X	X	X				X	X	X		X			X			X	X	X		X		
ANN	X	X	X	X	X	X		X			XXX	XX	X		X	X	X	X		X		X	X	X	X		X	X	X		X	X	X
ANT	XXX	X	XXXX			X	X	XX	XX	XX	X	X			XXXXXX		X			XX	XXXXXXXX		X	X	XXXX	XXXXXXXXXXXX	XX			XX	XX	XX	XX
AOMJ	XX	X	X		X	X	XX		X		X	X	X	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
BGR	XXXX	X	X	XX	X	X	XXXX	XXXX	X	X	X	X	XXXX	X	XX	XX	X	XXXX	XX	X	X	XX	X	X	XXXX	XXXX	X	XX	X	XXXX
BHB	X	X	X	XXXX	XXXX	XXXX	XXXX	XX	X	XXXX	XX	X	XXXX	XX	X	XXXX	XX	XX	XXXX	XX	X	XXXX	XX	X	XXXX	XXXX	X	X	XXXX	XXXX
BHG	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	X	X	XXXX
BHL	X	X	X	X	XXXX	XX	X	X	X	XX	XXXX	XX	XXXX	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BHPR					XX	X	X																							
BIM	X			XX	X	X	XX	X		XX	X	X	X	X	X	X	X	XX	XX	X	X	X	X	X	X	X	X	X	X	XXXX
BINY	XXXX	X	X	X	X	XX	X			XXXXXX	XXXX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX
BIP	X	XXXX	XXXX	XX	X	X	XXXXXX	XXXXXX	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
BJI	XXXX	XXXX	X	XXXXXX	XX	XXXXXX	X	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BKG	XXXX	XX	X	XX	X	XXXXXX	X	XX	X	X	X	X	XXXX	X	XX	XX	X	XXXX	XX	X	X	X	X	XXXX	XX	XX	X	XX	X	XXXX
BKM	X	X	XX	XXXX	X	XXXXXX	XXXX	X	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BKS	X	X	X	X	X	XX	XX			XX	XXXX	X	X	X	X	X	X	XXXX	XX	X	X	X	X	X	X	X	X	X	X	XXXX
BLA	X	X	X	X	X													X	X	X	X	X	X	X	X	X	X	X	X	XXXX
BLE	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	X	X	XXXX
BLF	X	X	XXXX	XXXXXX	X	XX	XX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BLS5																														
BLW			X	X	XX			XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX
BM3	X																													
BMR	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	X	X	XXXX
BMW	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	X	X	XXXX
BNH	X			XX	X	X																								
ENI	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	X	X	XXXX
BNS	X	X	XX	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	XXXX
BNT	XXXX	X	X	X	XXXX	X	X	X	XXXX	XX	XX	X	XXXX	X	XXXX	XX	XX	X	XXXX	XX	XX	X	XXXX	XX	XX	X	XXXX	XX	XX	XXXX
BOB	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	X	X	XXXX
BOG	X	X	X	XXXX	XX	X	XX	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
BOM	X			XXXX	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	XXXX
BONR	XXXX	X	X	X	XXXXXX	XXXX	XXXX	X	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BOT																														
BPA	XX			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	XXXX
BPO																														
BRG	XXXX	XXXXXX	XXXXXX	XXXX	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
BRLK	X	X	X	XX	X	XXXX	X	X	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX
BRNL	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	X	X	XXXX
BRS	XXXX	X	X	XXXX	XX	XXXX	XXXX	XX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BRT	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	X	X	XXXX
BRU	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	X	X	XXXX
BRY	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	X	X	XXXX
BSD	XX	X	XX	X	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XXXX
BSF	XXXX	XX	XXXXXX	X	XXXX	XX	X	X	XXXX	X	XXXXXX	XX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BSZ																														
BTH	XXXX	X	XX	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	XXXX
BTO	XXXX	XXXX	X	XXXXXX	X	XX	XXXXXX	X	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BUC	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	X	X	XXXX
BUC1	X	XXXX	X	XX	X	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX
BUL	XXXX	XXXXXX	XXXXXX	X	X	XX	XXXX	X	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
BW06	XXXX	X	X	X	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
BWA	XXXX	X	X	X	X	XXXX	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
BWN	XXXX	X	X	X	X	XXXX	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
BWZ																														
BZS																														
CACB																														
CACH	X	X	XX	X	X	X	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX
CAP	X	XXXX	XXXX	XXXX	X	X	XX	XX	X	XXXXXX	XXXX	X	XXXXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX	XXXX	X	XXXX
CALN																														
CAN	XXXX	X	X	X	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
CAR	X	X	XXXX	X	X	X	X	X	X	X	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
CAW																														
CBM	XXXX	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	XXXX	
CBN																														
CCB	XXXX	X	X	X	X	X	XXXX	X	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX	
CCH	XXXX	X	XXXXXX	X	XXXXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX
CCM	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	X	XXXX	
CD2	XXXX	XX	X	XXXX	X	XX	XXXX	XX	X	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
CDD	X	XX	X	XX	X	XXXX	X	X	XX	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XXXX
CDF	XXXX	XXXXXX	XXXXXX	X	XXXX	XX	XX	X	XXXX	X	XXXXXX	XX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
CDFW																														
CEH	X	X	X	XX	X	X	X	X	X	XXXXXX	XXXX	X	XX	X	XX	X	X	X	XX	XX	X	X	X	X	X	X	X	X	X	XXXX
CEOS																														
CER	X	X	X	XXXX	X	X	X	X	X	XXXX	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX
CEY	XXXXXX	XXXXXX	X	X	X	X	X	X	XXXX	XXXX	X	X	XXXX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XXXX
CFA																														
CPI	XXXX	X	X	XX	X	XXXXXX	XX	XX	X	XXXX	XX	X</																		

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DZM	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	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX						
EAB	X		X	X		X					X	X	X		X	X		X	X		X	X	X	XX						X	X						
EALH			X	X	X		X	X			X	XX	X	X		X		X	X			X	X	XX			X	X			X	X					
EAU				X		X					XX	X	X			X				X		X	X	X			X	X			X	X					
EBAN		X		X	X	XX	X		X		XXXX	XXXXXXXX	XX	X		X			X		X	X	X	XX	X	X	XXX	X	XXX		X	X	XX				
EBG		X		X	X	X			X		XX	XX	XXXX	X	X		X	X	X	X	X	X	XXX	XX	X	X	XX	X	X	X	XX	X	X				
EBH				X		X					X	X	X	X		X	X		X	X		X	X	XX	X	X	XX	X	X	X		X	X				
EBL	X			X		X					XX	X	X			X	X		X			X	XX	X	XX			X			X	X	X				
EBR	X	X		X	X	X		X		X	XXXX	XXX				X	X		XX			X	XX	XX							X	X	X	X			
ECB	XXX		X	X	X		X		X		XXXX	XX				X		XXX	X								X		X			X	X	X			
ECH		X	XXX	X	X		X	X	X		X	XXXX	X		X	X		X	X	X	X	X	XXX	X	XX	X		X	X	X	XXXX		X	X			
ECHE		X	X	X	X	X	X		X		XXX	XX	X			XX		X			XX	X	X	XX	X		XX				X	X	XX	XX			
ECO		X	X	XXX		X		X	X		XX	XX	X	X		X																					
ECOG		X	XX	X	XXXX		X	X		X		XXX	XXXXXXXX	X	X		XX			X		X	X	XX	X		X					X	X	XX			
ECP	XXX		X	X	X	X		X		X		XXX	X			X		XXX	X			X	X	X	X		X	X	X			X	X	XX			
ECRI		X		X	X	X		X			XX	X	XX		X		X	XX	X			X	X	X		X	X					X	XX	X			
EDC	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	XXXX	XXXX	XX		XX	XXXX		XX	XXX	XXXX	XXXXXXXXXXXX	X	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	X	XXXX	XXXX	XXXX	XXXX	X	XX	XXXXXXXXXXXX	XX	XX	X						
EDI		X		X	X		X	X			XX	X				X		X		X		X	X	X	X			X				X	X	X			
EDR				X	X	X		X				X				X	X		X		X	X	X	XX								X	X	X			
EDU	X		X	X		X					X	X			X	X		X		X		X	X	X	XX						X		X	X			
EGD				X				X			X	X		X		X		X	X			X		X			X		X		X	XX					
EGRA		X	X	X	X	X		X			XX	X	X		X		XX	XX	X		X	XX	X	XX	X		X		X			X	X	XX	XX		
EGUA		X	XX	X	XX	X	X		X		XXXX	XX	X	X	XX	X	X	X	X		X	X	X	X	X		X		X			XXX		X	X	XX	
EHOR		X	X	X	X	XX	X		X		XXXXXXXXXXXX	XX	XX	X	X	X		X			X	X	X	XX	XX		X		X			X	X	XX	XX		
EHUE		X	X	X	X	X		X		X		XXXX	XX	XXXX	X	X		X	X		X	X	X	XX	X		X		X			XXX		X	X	XX	
EJIF			X	X	X	X	X	X	X	X	XX	XXXX	XXXX	X	X	X	X		X		X	X	X	X		X		X				XXX		X	X	XX	
EKA	XXXX	X		X	XXX		XX	X	XX	X	XXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X		XXXX	XX	XXXX	X	XXXX	XX	X	XXX	X	X	XXX	X	X	XXX	XX	
ELC	XX		X	X	XX	X	XXXX	X		X	XXXX	XX	X	X	XX	X	X	X	X	XX		X	X	XX	XXXX	X	XX	XXXX	X	X	XXXX	X	X	X	X	X	
ELF					X	X		X			X	X	XX			X		X		X		X	X	X	X							X		X	X		
ELIZ				X	X		X				XX			X				XX	X			X	X	X								X	X	X	X		
ELL		X	XXX		X			X	XX	XX	XX		XX	X	X		X	X		XXX		X	X	X	XX			XX	XXXX		X	XXXXXX					
ELO	X			X		X						X	X	X		X	X			X	X		X	X	XX						X						
ELUQ		X		X	XX	X		X		X	X	XXXX	XXXX	X	X					X	X		X	XX	X			XXX				X	X	XX	XX		
EMM				X	X		X									X						X	X	X			X							X	X		
EMS				X	X		X				XXXX	X				X	X	X		X		X											X	XXX	XX		
EMUT	XXX		X	X	X	X		X			XXXX	XX	X	XXXX		XX	X	XX	X	X	X	X	XX	XX		X		X	X	X	XX		XXX	XXXX	XXXX		
ENIJ		XX	XX	XX	X	X		X			XXXX	XX	XXXX	X		XX			X			X	X	X	X								X	X	XX		
ENN	XXX	XXXX	X	XX	X	XX	X	XX	X	XX	XXXXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X	X		X	XX	XXXX	XXXX		XX	X	X	X	X	XXXX	XXXX	XXXX	XXXX		
ENR	X	X	X	XXXX	XXX	XX	XXXXXXXX	XX		X	XXXX	XX	X	X		X		XXXX	X			XX	XXXX	XXXX	X	X	XX	X	X	X	X	XXXX	XXXX	XXXX	XXXX		
EPF	XXXX	XXXX	XX	X		XXX	XX	XX		X	X	XXXXXXXX				XXXX	XXXX		X		X	X	XX	X		X	X	XXXX	X		X	XXXX	X	X	XXXX	X	X
EPLA			XXX	XX	X		X	X			XXX	X	XXX	X	X		X		X	X		XX	X	X	XX	XX			XXX				X	X	X	X	
EPRU				X	XX	X		X	X		XXXX	XX	X	X	X		X		X			X	X	X	XX	X			XXX				X	XX	XX	XX	
ERE	XXX	XX	X		X	X		X			XXXX	XX	X		X	X	X	X		X		X	X	XX	X			X		X			X	X	X	X	
ERK				X	X				X				X			X	X					XX															
EROQ		X	X	X	X		X				XX	X				XX			X			XXX	X												X	X	
ERUA				XXX	X		X				X	X						X	X			XX	X										X	X	XX	XX	
ESEL		X		X	X	X		X			XX	XX				X		X	X			X	X	X									X	X	X	X	
ESY		X		X	X		X				X	X	X	X			X		X			X	X	X										X	X	X	
ETA	XX			X	X	X	X		X		XXXX	X				X		XXX	X				X	X	XX							X	X		X	X	
ETER			X	X	X	X		X			XX	XXXX						X	X			X	XX	X									X	XX	XX	XX	
ETOR		X	X	X	X	X		X	X		X	XXX	X	XX	X	X		XXX	XX	X		XX	X	X	X	X	XX	X		X					X	XX	XX
ETW				X	X															X		X	XX														
EVAL			X	X	X	X	X		X	X	XXXX	XXXX	X	X	X				X		X	XX	X	X	XX			XXX					X	X	XX	XX	
EVIA		X	XX	X	X	X	X	X		X		XXXX	XX	XXXX	X	X		XXX	X	X		X	X	X	XX	X	XX	XXXX					X	X	XX	XX	
EYL	XX	X		XXX	XX	XXXX	X	XXXX	XX	XXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X		X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
EZAM				XX	X	X	X		X			X	X									X													X	X	X
EZN	XXXXXXXXXXXX	X	X	XXXXXXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXXXXXXXXXXXXXXXXXX	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	
FAM		X							X		X	X		X					X			X	X	X		XX	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
FBA	XXXX	X	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	X	XXXXXXXXXXXX	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
FBO			X	X												X						XXXXXXXXXXXX	X	X			X						X	X	XXXX	XXXX	
FCC																																					
FCH		X	X	X		X	X	X		XXX		XXX		X	X	XXXX				X	X	XXXX	X				X		X	XX		X	X	X	XX	XX	
FCV				X	X		XX									X		X	XX		XX																
FDF		X			XXX	X	X	XX	XX	X		XX	X	X	X	X		X	XX	XX	X	XX	XXXX	XXXX		X	X	XX	X				X	X	XXXX	XXXX	
FEL	X	X	XXXX	X	X	X		X	X	XX		X	XXXX	X		X	X	X	XX	X		X	XXXX	X	XX	X		X	X	X			XXXX		X	XXXX	
FHC		XX	X	XX	X	X		X	XX		X	XXXX	XX		XX		XX		X			X	XX	XXXXXXXXXXXXXXXXXXXX	XX	XX	XX	X	X				X	X	X	X	X
FID	XXXX	X	X	X	XX	X		X	XXXXXXXX	X	XX	XXX	X		X	X	X		XX																		
FIN	X	X	X	XXXX	X	X		X	XX																												

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KLI																																	
KLU	XXXX	XXXX	X	XX	X	XXXX		XXXXXXXXXXXXXXXX	XXXXXXXXXX	XXX	XXX	X	X	XXXX	XX		XXX	XXXX	X	X	X	X	XXXX	XXXX		XXX	X	XX	X	XXXX	X		
KMI	XXX	XX	X	XXXXXXXX	XX	XXX	XXXX	XX	XXXXXXXXXXXX	XX	XXXXXXXXXXXX	XX	XXXXXXXXXXXX	XX		XXXX	XXXX	XXXX	XXXXXXXXXXXX	XXXXXX	XXXX	XX	XX	XX	XX	XX	XX	XX	XX	XXXX	X		
KMOR			X	X			X	X	XXX		XXXX	XX		X						X	X	XX	X	X	X	X	X	X	X	XXX	X		
KMPM	XX	X	X	XX	X	X		XX		X	X	XXXXXXXXXX		XXX	XXX	XX				X	XX		XXXXXXXXXXXX	XX	XX	X	XX	X	X	XXX	X		
KMR	X	X		X	X		X	X		X	XX					X			X	X	X	X	X			X		X		X	X		
KMSA										X		XX			X			X			X	X								X	X		
KMY		X		X	X			XX	X		XX		X	X	X	X	XXX	X	X		X	X	X	X	X				XX	XX	X		
KNA	XXXX	XXXX	XXXXXX		X	X	X	XXXXXXXX	XX	X	XXXXXXXXXXXX	X	XXX		XXXX		XXXXXX			X	XX	XX	X	XXX	XXXXXXXXXX	X	X	X	XXX	XXX	X		
KNK																				X	XX	XX	X	XXX	X	X	X	XX	X	XX	X		
KNT		XXXX	XXXXXX	X		X		XXXXXXXXXXXXXXXX	XXXXXX	X	XXX	X	X	XXXXX	X	XXXXX				XXX	X	XXXXX	XXXXXXXXXXXX	XX	XXXXX		XXXXXX	XXXXXX	X				
KOD	X		XXXXX					X	X	XX	XX			XXXX		XXX	X	X		XXX			X	X		X	X	X	X		XXXX		
KOMM		X	X																			XXXXXXXXXXXXXXXX	XXXX	X	X				X	X			
KONO	X	X	X	X	XX		X	X			XX	XX	X		X	X	X	XX	X		X	X	X	X		X				X	X		
KRI						X	XX	X		X	XX	XX	XX	X	XXXXXXXXXX	X	X	XX	X		XX	X	X	X		XX	XX	XXX	XX	X	XXXX		
KRMM																																	
KRPM			X	X	X						X												XXX	XXX		X	X			X			
KSCM																							XXX										
KSH	XXX	XX	X	XX	XXX		XX	XXX		X	XX	XX	XXXXXXXXXX	X	XXX	X	X	X	XX	X	XXX					X	XX	X	X	X		XXXX	XX
KSP	XXX		XXXX					X	XX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	X			XXXX	X	XX	XX	XXXX	XXXX	XXXX	XXXXXX	X		X	XXXXXXXX		
KSR		XX	X	XXXXXX	X	XXXX	XXX	XXXX	XXXXXXXXXXXX	XXXX		X	XXXXXX	XXXXXXXXXXXXXXXX	X					XXXX	X	XXXXXX	XXXXXX	XXXX	X	XX	XX				XXXXXX		
KSXM																						XXXXXXXXXXXXXXXX	XXXX	X	X				X	X			
KTH	XXXX	X		X			XXXXXXXX	XX		X	X	X	X		X	X	XX	X	X			X	XX	X	X		XXXX	X	XX	X	X		
KTk1	XX	X	X	X	X		X	X	X	XX			X		XX	X	X	X	X	X			X							X			
KUMJ	XXX		XX				X	X		XX		XXXXX	X	X	XX	X	X	X	XX	X			XX		X	X		XX	X	XXXX	X		
KUSJ	XXX		XXX		XXX	X	XXXX	X	XX	X	XXXXXXXX	XXXXXX	X	X	XXXX	XXXX			XX	X	XXX	X	XX			XX	X	X	X	X	XXXX	X	
KUZ			X	X	X	XX	XX		XXXXX	X	X	X	XX	XX	X			XX	X			X	X			XX	XXXX	X	X	X	XXXX	X	
KVG		XX		XXX	XX		X	XX		XX		X	XX	XX		X	X	XX		XXX		XX		X	X	X	XX	XX	XX	XX	XX		
KVT	X	X		XXX		X	X	X	X	X	X	X	XX	X	X	XX	X	XX	X		XXX		XX		X	X	X	XX	XX	XX	XX		
KZN		XXX	XX				X	X	XXXXX	XXXX	X		XX	X	X			XXX				X	X	X	X		X	X	X	XX	XX	X	
LABG			X					XX	X		XX			X	XX			X		X	X	X	X				X	X			X		
LACI											XX	X	X	XXXXX	X	X	X		X		XX		X	X	X	X		X	X		X	X	
LANF		X		X	X		X															X	XX	X	X	X		X	X	X		X	
LASM											XXXX			X		X		X	X		X			XXXXXXXXXXXXXXXX	XXXX	X		X			XXXX	X	
LBF	XXX	XXX	XXXXXXXXXX	X	XXXX	XX	X	X		XXX	X	XXXXXXXXXXXX	XX	XXX	X	XXX	X	XXXX	XX		XXXXXXXXXXXXXXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	X			XXXXXXXX		
LBFM	XXXX	X	X	X	XX	XX	XXXX	XXXX		XXXX	XXXX	XXXX	XXXX	X	XXXX	XXXX	X	X		XXXXXX	X	XXXXXX	XXXXXXXXXXXX	XXXXXXXXXX	XXXXXX	X	XX	X	X	XXXXXX	X	X	
LBKM			X							X										XXXXXX	X	XXXXXX	XXXXXXXXXXXX	XXXXXXXXXX	XXXX	X	X			XXXX			
LBL		X		X		X	X				XX	X	X																		XXXX		
LBNH	X	X		X	X	X	X	X	X		XXXXXX	XXX	X	XX		X	X	X		X	X	X	X	X		X	X	X	X	XXXX	X		
LCCH	X	X	XX		X	X	X	XXXX	X	XXXX		XX	X	XXXX	X		XX	X	X		X		X	X	X	X	X	XX	XX	X	X	XX	
LCFM											X												XX	XXX	X	X	XX	XX		X			
LCI		X	X			X					X											X					X		X		X		
LDBM											X						X		X			X						X		X		X	
LDF	X	X	XX	XXXX	XXX		XXX	XX	XX	X		XX	X	XXXX	XX	XXX	X	XXXX	X	XX	X		XXXX	XXXX	XXXX			XX	XX	XXXX	XXXX		
LDN				X								X	X	X		X						X								X			
LEM	XXX	XX	X	XX	XXXXX	XXXXXXXXXX	XX	X		XX	XXXXXXXXXX	XXXX	X	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX		XXX	X	XXXX	XXXX	X	XXXX	X	X	X	XXXXXXXXXX		
LESF											X	X	XXXXX	X			X	X	X		X						X				X	X	
LFF	X	XXXX	XXX	XXXX		X	X	X	X		X	X	XXXXXX	XX	X		XXXXXX	XXXX	X		XXX	XX			X	XXX	XX	X	XX	X	XXXX	XX	
LGBM		X	X								X									XXX	XX		XXXXXXXXXXXXXXXX	XXXX	X		X			XX			
LGMM			X								X												XXXXXXXXXXXXXXXX	XXXX	X		X			XXX			
LGPM	XXXX	X	XX	X	X	XX		XX		XXX	XXXXXXXXXXXX	X	XXX		XXXXXXXXXX	X	X			XXXX	X	XXXXXXXXXXXX	XXXXXX	XXXXXX	X	X	X			XXXX	X	X	
LHEM											X											XXXXXXXXXXXXXXXX	XX	XXXX		X			X	X			
LHKM																						X		XX	XXX	X	X		X	X			
LHS	XX		X	X	XX	X	XX							XX	X	X	XXX		X	X	XXXX	X	X	XX	X	X	X	X	X	X	X	X	
LIBD				X		X					XX						X			X	XXXX	X	X	XX	X	X	X	X	X	X	X	X	
LIC	XX	XX	XXXXXXXXXXXX	XXX	XX		X	X	XXX	XXXXXXXX	XX	XXXX		XXXXXXXXXX	XXX					XXXXXX	XXXXXX	XXXXXX	XX	XXX	XXXXXX	XXX	XXXX	XXX	XXXX	XX	X		
LIJA				X							X	XX									X									X			
LIT	XXXX	XX		XX	XXXX	XX	XXXXXXXXXXXXXXXXXXXX	X	XXXXXXXX	X	XXXXXXXX	X	XXXXXXXX	XXXX	XXXX					XXX	XX	XXXX	XX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	X	X	X	X	X		
LJU	X	X	XXXXXXXXXX	X	X	X	X	XXXX	X	XXXX	XXXXXXXXXXXX	XXXXXXXX		XXXXXX	X	XXXX			X	X	XXX	X	XXXX	X	X	X	X	X	XX	X	X	XXXXXX	
LLAV			X							XX	X	X									X		X	X	X		X				X		
LLS	X	X		X	X	XXX		XX	XX		XXXXXX					X	X	XX	X				XXX	X							X	XX	
LMHM											X												XXXXXXXXXXXXXXXX	X						X	X		
LMN		X	XX	X	X	XX	X	XXX	XX	XX	XXXXXXXXXXXX		XX			X	X	X	X		X	X	X	XX	XX	X		X	X	XX	XX	X	
LMPM			X								X												XXXXXXXXXXXXXXXX	XXXX	X		X			XXX			
LMQ											XXXX	XX		X		X	XX	X	X		X			X									
LMR	X		XX	XXX	X	X	X	X	XX	XXX		X	XXX	XX	X	X		X	XX	X	X	XX	XXXXXXXXXX	X	X		X	X	X	XX	X	XXXXXXXX	
LMW				X	X																		X										
LMZ			X	XX	X	X	XX	X	X	X	XX		X			X	XX					XX		X					X	X	XX		
LNOR	X	X		X	X		X		XX		X			X	X			X	X		X	X	X	XX	X	X	X	X	X	XX		XX	
LNV	X	X	XX		X	X	X	XXXX	X	XXXX		XX	X	XXXX	X		XX	X	X				X	X	X	X	X	XX	X	X	X	XX	
LOE	XXX	X	X	X	X	X		X	X	X		XXX	XXX		X	XXX	X			XXXX	X	X		X	X		XX	X	X	X	X	XX	
LOF		X		XXX			X	X	XX	XXX		XXX				XX	X	X	X	X			XX	XX		X	X		X	X	X	XX	
LOMF		X	XXXX	X	X	X		X	X			X	X	X		X		X	X		X	XXXX	XX	X		X	X	X		XXXX	X		
LON	XXX		X	X	XX	X		XXX	XXXX		XX	XXXXXXXXXXXX	XXXX	X	XX	XX	X	X	X		XXXXXXXX	XXXXXXXXXXXX	XXXX	X	XX	X	X	X	X	XX	XXXX	X	
LOR	XXX	XXX	XXXXXXXXXX	X	XXX</																												

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ORI	X	X		X		X					X				XX				X	X	XX	X					X	X		X	
ORO	X			X	X	X					X	X							X		X	X	X							X	
ORV	XXXX	X	XX	X	XX	XX		XX	XX		X	X	X	XXXXXXXXXX	XX	XXX	X	XXXXXXXXXX	X	XX	XXXXXX		XXXXXXXXXXXXXXXXXXXX	XXXX	XX	X	XX	XX	XXXXXX	X	
ORX																			X	X	XXXX	X			X						
OSS	X	X		X	X	XX	X		X	XX		XXXXXX	X			X	X	X	XX	X	X	X	XXXX	XX						XXXXXX	
OUK		X		X	X	X		X				XX							X				X								
OUR	XXXX	XXXXXX	XX		XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXX	X	XX	XXXX	X	X	XXXX	X	X	XXXX	X	XXXX			XXXXXXXXXX	XXXX	XXXXXX	XX	XXXX	X	X	XXXX	XX		
Ouz		X	X	X	X	XX		X	X		X	XX	XXXXXXXXXX	XX					X		X	X		X	X	X	X	X	X	XX	
OXF																			X	X	XX	XX	X		X	X	X	X	X	X	
OXK	X		XXXXXX	XXXXXX	X	XX	XX	X	X	X		XXXXXXXXXXXXXXXXXXXX	XX	X	X	X		XXXX			XXXXXXXXXXXXXXXXXX	X	XXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
PAB	XX	XX	X	X	XX	X		XX	X	X	X	XXXXXX	XXXX	XX	X	X	X	X	X	XX	X	XX	XX		XXXX	X	X	X		X	
PAE				XX		X	X	X				X		X					X		X		X		X	X	X		X	X	
PAF	XXX		X	X	X	XX						X	X	X	XX	X		X	X	XX	X	XX	XX			X	X	X		X	
PAG	XX		X	X	XX	X	XXXX	X		X	X	X	X	X	X	XX	XX	X	XXXXXX	XX	XX	X	XXXX		XX	XX	X		X		
PAHZ				X	X	X	X	X		X		XX	X	X	X	X	X	XX	X		X	XX	X	X	X	XXXXXX	X		X	XX	
PAIG	XXXX		XX		XXXX	XXXX	XXXXXXXXXXXXXXXXXXXX	X	XXXXXX	X	XXXXXXXXXX	XXXXXX							X	XXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
PAL	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	
PATZ								X			X								X	X	X	X	X	X		XXXX					
PAX	XXXX	X	X	X	X		XXXX								X	X	XX	XXX	XX	X	X		XX	X	X	XXXX	X		X	X	
PCC	X										XX	XX							XX		X					X		X			
PCG			X	X	XX					X	XXX	XX	X	XX	X	X	XX	XXXX		X	XXX					X		X	X		
PCH	X	X	XX		X	X	X	XXX	X	XXXX	XX	X	XXXX	X		XX	X	X		X	X	X	XX	X		X	X	X	X	XX	
PCI	XX	X	XX								X	XX				XX	X				X		XX	X	XX	X	X	X	X	XX	
PCP	X	X	X	XXXX	X	X	X	XXX	X	X		X	XXX	XX				XXXX	XX		X	XX	XXXXXXXXXX		X	X		X	XXX	XXX	
PCT				X	X	X		X	XX											XX	X		X	XX						X	
PDA		X		X							X					X						X	XX				X		X	X	
PDB	X	XX	X	XX			XXXX	X	X	XX	X	X	X	XXXX		X	XX	XX	X	X	XX	X	X	X	X	XX	X	XX	XX	XX	
PDRM	X				XX	X	X														X	X				X		X		X	
PEC	XXX		X	X	X	XXXXXXXXXX	XXXX	XX	XXXX	XXXXXXXXXXXXXXXXXX	XXXXXX	X	XX	X	X	X			XXXXXXXXXXXXXXXXXXXX	XXX		XXXX	X	X	XXXX	XX	XXXX	XX	XXXX	XX	
PEL	XXXX	XX	XX	XXXX		XXXXXX	XXXX	X	XXX	XXXXXXXXXX	X	X			XXXX	X	X	X		XX	X	X	XXXX		X	XXXX	X	X	XXX	X	
PET	X	X		X	X	XX	X				XX	XXXX	X	XXX	X	X	X	X	X	X	XX		X		X	X	X	X	X	XXX	
PGB	X		X							X	X		XX							X	X	X	X			X	X		X	X	
PGD			X	X		X													X	X	XX	X							X	X	
PGF	X		X	X	X	X	XXXX	XX	X	XX		XXXX	XX	X	X			X	XX	XX	X	XX	XX	X		X	X		X	XXXXXX	
PGO				X																	XX										
PGP	XXX	XXX	X	X	X	XX	X	XX	XXX	X	X	XXX	X	X	X	X		X	XXXX	XX	X	XX	XX	XXXX	X		X	XX	X	XXX	
PGZ			X			X	X	XXX	X	X	X	XXX	XX	XX	XX		X	XX	X		X	XX	X	X	XX	XXXX	X		X	XXXXXXXX	
PHAM			X	X	X	XXXX	XXXX	XX	X	X	X	XXX							X	XX	X	XX	X	X	XX	XXXX	X		X	XXXXXX	
PHP																															
PII	X			X		X					X					X		X					X	X	X	X	X	X	X	X	
PIJ	X	X	XX	XX	X	XX	XXXX	X	XXXXXX	XXXX	XX	XXXX	X	XXXX	X	XXXX	X	X	X	X	XXXX	XXXXXX		X	XX		XXXX	XX			
PJG	XX	X	XX	XXXX	XXXX	X	XXXXXXXXXXXX	XXXXXX	XXXXXX	XXXX	XX	XX	XXXX	X	XX	X	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X	X	
PKEM				X	X						X									X		X	XX	X		X		X		X	
PLAT				X	X	X					X	X										X		X						X	
PLD		X	X	XX		XX					X			X								X	X	X		X	X		X	X	
PLDF		X			X		X				XX	X	X																	XXX	
PLE	X	X	X	X		X				X	X	X	XX	XXX		XX	X	X	X		X		X	X	X	X	XX	XX		X	
PLM	XX		X	X	X	XXX	XX	XXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXX	X	XXX	XX	X	XX	X	X	XXXXXXXXXX	X	X	XXX	X	XXX	X	XXX	XX	XXXX	XX	XXXX	
PLP	XXXXXXXXXXXX	X	X	X	XXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X			XXXXXXXXXX	XXXX	XXXX	XXXX	X	XXXXXXXXXXXX	XXXXXX	XXXX	X	XXXX	X	XXXX	
PLRM	XXXX	XX	XX	X		XXXXXX	XX	X		X	X	X			X	X	XX	X	XXX	XX	X	X	X	XX	X	XX	XXXX	X	XX	XX	
PMG	XXXXXXXXXX	X	XXXX	XXXXXX	XXXXXX	X	XXXX			XXXXXXXXXX	XXXX	XXXX	X	X	XXXX	XX			XXXX	X	X	XX	X	XX	XXXX	XX	X	XX	XXXX	XXXX	
PMO				XX	X	X	X				X	X	X						X	X	X	X		X	X	X	X	X	X	X	
PMR	XXXX	XX	X	X	XXXXXXXXXX	XXXXXXXXXXXX	XX	XXXXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XX	X		XXXX	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	X	X	XXXX	
PMS	X	XX	XXX	X	X	X	X	XXXXXX	X	XX	X	X	XXXX	X	X	XX	XX	XXXX	XXXX	XXXX	X	X	XX	X	X						
PNJ												XXXX	XX							X	XX	X	X	X					X		
POF	X		X	XX	X	X	X			X	X	X				X		X	X	X	X	XXXX	X		X	X	X	X		X	
POO	XXXXXX	XXXXXX	X	X	X	XX	XX	X	X	XXXXXXXXXXXX	XXXXXXXXXX	XXXXXX			X	XXX	XX	XX	XX	XX	X	X	X	X	X	XX	X	XXXXXX	X	XXXXXX	
PORP			X		X	X	X	XX		XX	X	X			X				XX	X	X	XX	XXXX	X		XX	XX		X	XX	
PPCY				XX			X			X	X		X	XX					X	X	X	X	X			X	X		XX	XX	
PPD	XXX		XXXXXX	X	XXXXXX	XXXX		X	XX	XXXXXXXXXXXX	XXXX	XXXX			XXXXXX	XX			XX	X	XX	XX	XX		X	X	XXXXXX	X	XXXX	XXXX	
PPM	XX	X	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	X				XXXXXXXXXX	X	XX	XXXX	XXXX	XX	XXXX				XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	
PPN				XX	X	X					X	XX	X						X		X	X		X	X	X	X	X	X	X	
PPR				XX	X	X					XX	XX	X	XX	X			XXXX	X	X	X	XXXX	X		X	XX		X	XX	X	
PPT				XX	X	X					X	X	X	X					X		X	X		X	X	X	X	X	X	X	
PRI			X	X	XX	X					X	XX														X		X	X	X	
PRK	X	X	X								X	X	X		X	X	X	X		X		X		X	X	X	X	X	X	X	
PRM	XX		X	X	XX	X	X								XX	X	X		X	X	XXXX	X		X	XX	X	X	X	X	X	
PRP	X							XXXX		XX	X	X	X		X			XXXX	X	X			X			XXXX					
PRS	XX		X	X	X	X					X	X							X							X					
PRU	XXX	XXXXXX	XXXX		XXXX	XXXX	X	XX	XXXXXXXXXXXX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	X			XXXXXXXXXXXXXXXXXXXX	XXXX					X	X	XXXXXXXXXXXX	XXXX	XXXX	XXXX	
PRY		X	X		X	XX	X	XXXX	X	X	X	X		XX							XXXXXX		X	X	XXXX	XX	XX		X	XX	
PSN		X	X	X							X			X								X							X	X	
PSO		X	X	X	XX	X	XX	X				XXXX	XX	XX	X				X	X	XXXX	X	XX	XX		X	X	X	X	XX	X
PSZ																															
PTE	XXXX	XXX		XX		X	XXXXXXXXXX	X	XX	XXXX	X	X			XX	XX			X						X	XXXX	X	XX		XX	X
PTJ	XXX		X	X	X	X		X			XX	XXXX	XX						X	X	XX	XX	X	X	X	X	XXXX	X	X	X	
PTI	X	X	X	X	XXXX	XXXX																									

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SXM	XX	X X			X						X	X					X		XX	X	X				X	X					
SYI	X X	XX	X XX				XXXX	X	X XX	X X		XXX			X XX	XX		X	XX		X XX	X			X X	XX	X X	XX			
SZP																															
TAB	XXXX	X	X	XXX	XX		XX X X	XX		XXX	XX X XX	XXX	X X XX	XXX	X X X			X	X X	X X	X X X	XX			X	XXX	XX	X X	XX		
TACH	X X	XX		X X X		XXX	X	XXX			XX X XXX	X			XX	X X			X	X X X XX				X	XX	XX	X X X				
TAF																															
TAZ					X X			X			X X										X X	X									
TBH			X																		X X	X									
TBM			X																												
TBR	X		X	X X	XX																X	X XX	X	X	X				X X	X	
TCA		XX X	X	XXXXXXXXXXXX	XXX	XX	XXXXXXXXXXXX	XX	XXX	XXXXXXXXXX	XX	XXX	XXXXXXXX	XXX	XX	XXXXXXXXXX	XX	XXX	XXXXXXXX	XX	XXX	XX				XX	XXX	X	XXX	X	XXX
TCE			X			XX									X					X	X					X	X	X			
TCF	XXX	XX	XXXXXXXX	X	XXX	XX	XX	X XX	XXXXXXXXXX	X				XXXXX	XXXX	X			XXXXXXXX	XXXXXXXX	X X			XXX	XXXXXXXXXX	XX	XXXXXXXX				
TCO			X																												
TCW			X X	X XX	X XX	XX	X	X X	XX	X X	XX	X X	XX	X	X	XX			X X	X XX	X XX				XX	XX	XXX			XX	
TDH			X X																												
TDL			X X																												
TEHZ					X X		X	X					XX	X X	X					X	X X	X X	X	X	XX	XX	X			X	
TER			X																												
TGL	XX	X X	X		X	X	XXXX		X	XX	X	X X			X X	X			XXX	X				XX	X X	X	X			X X	
TGT		X	X X		X						X X	X								X	X	X								X	
TGY	XXX	XXX	XX	X	X X	X					X	X	X X	XX				X X	XX	X X	XX	X			X X	X	X X	X		XX	XX
THE		X X	XX	X X	X		XX	X X	XXX	X	XXXX	X XX	XX	X X	X X			X	XX	X	XX	XX	X		XX	XX	X	XX	X		X
THY																															
THZ				XX	X X	XX	XX	X X	X XX	XXX	XX	XX	XXXX	XXXX						X											
TIA	XXX	XX	X XX	XXX	XX	XX	XX	X	X	XXXXXXXXXX	XX	X	XXX	X X	X X				XXXXXXXX	X	XXX	X	X	X		XXX	X X	XXX		X	XX
TIC	XX	X	XXXXXXXXXX	XX	XX	X	X			XXXXXXXXXX	XX	XXX	XXXX	XX	XXXX	XXXX	XXXX		X X	X X	XXXX	XXXX	XX		XXX	XXXX	XXX	XXXXXXXX		X	
TIK	X X	XX	X X	XXX	XX	X					XX	XXX	XX	XX				X XX	X	X X	X	X			X X	X X	X			X	XXXX
TIO											X	XXXX	X	XXX	XX	X			X	XXXX	X	X	X		XX	XXX	X	X	XX	X X	
TIR	XXX	XX		X			XXX	XX		XXXX	X	XXXX	X	X X	X						XX	X X	X	X	X	X	X	X	X	X	X
TIY	XXX	XXX	X	XXXXXX	X	XX	XXXXXX	X	XX	XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX					XXXXXXXX	X	XXXXXX	XXXX	XXXX			X X	XXX	XX	XXXX	XX	
TKO			X X																												
TKSJ	XXX	X X	X X	X	XX					XXX	XXXXXXXXXX	X	XXX	X X	X	XX	X		XX		XXX	X	X	X	X	X	X	XXX	X	X	XX
TLB	X		XX	XX	X	X		XX																						X	
TLC			X	XX	XX	X		X X			X X	X																	X	X	
TLE	XXX	XX	XX	X						XX	XXXXXXXXXX			XXXX	XX	X															
TMA	X X	X X	XXX	XX	X					XX	XXXXXXXXXX	X			X X	X X			X X	X	XXXX	XX									XXXX
TMW	X X		X							X		X	X																		
TNE	XX	XXX	XX	X			XX	XX	X X				XXX	XXX																	
TNF			X X		X X						XX																				
TNP	X X		X X	X XXX	XX	XXXX	X X	XXX	XXXXXXXXXXXX	XXX	XXXX	XXX	X	X					XXXX	X	XXXXXXXXXX	X	X	X	X	X	X	X	X	XX	X X
TNR					X XX	X X	XX					X	XXX	X					X		X									XX	X
TNS	XX	X X	X X	X																											
TOA	XXXX	XX	X X	X		XX	XXXXXXXXXX	X	X	XXX	XXXXX	X		X	XXXXX	XX	XXXX	XXXX	XXXX	X	XX	XXXX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
TOO			XX	XX	XXXXXXXXXXXX	X	XX	XXX	X	XXXXXXXXXX	XXXXXX	X	XX	XXXX	XXXX				XX	X	XX	XX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
TOU			XX	X X	X X						X X	X			X	X															
TOUF			XX	XXX	X	XX					XXXX				X X	X															
TOV	X	X	XXX	XX	X	X	XX	XXX	X	XXXX	XXXXXXXXXX	X	XX	X	XXXX	X X	X		X	XX	X X	XXXX	XX	XX	X	XXXX	XXXXXXXXXXXX			X	
TPE																															
TPMT			X X																												
TPNV																															
TPP			X		XX																										
TPT				XX	X X	X					X	X	X	X	X						X	X	X			X	X	X	X	X	
TPX	XX		XXXXXXXXXX	XX	X X	X					XXXXXXXXXX	XXXX	XX	XXXXXX	XX	XXXX				XXXXXXXXXXXX	X	XXXXXXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
TRF	XXXX	X X	X X	X		XXXX	X	XX	X	X X	X	X	X	XX	X	X	XX		XX	X X	X	XX	X X	X	XXXX	X XX	X	X	X		
TRGS			X								X X	X																			
TRI	XXXXXXXX	XXX	XXXXX	X	XX	XXX	XX	X	X	XXXX	XXXX	X	XXX	X X	XX	X	X		XX	XXXXXXXX	X	XXXXXXXXXX	XX	XXXX	X	XXX	X	XXX	X	XXX	X
TRN			X	X	XX																										
TRO		X	X XX	XX	X		X		X	XXXX	XXX	X			XX	X				X	X	X X			X					X	X
TRT			XXXX				XX	X																							
TSM	XXX	X X	X X	X	X	XXXX				X	XXX	XXX	XX	X X																	
TSRJ	XXX	X	X X			XXX				X X	X X	X X	X XX	X	X	X	XX		XX	XXXX	X	XX	X			X X	X	X	XXX	XX	
TTA	XX	X X		XXXX	X	X	XXXX	XXX	X	XXXXXXXXXX	XXXX	XXX	X X	XXXX	X	XX			XXX	X	XX	X	XX	X	XX	X X	XXX	XX	XXXX	X	
TTG	X X	X X								X X	X XX	XXX	XX	X	X	X					X	X	X	X	X	XX	XX			X	
TTH					X X		X				X	XX	X X	X	X	XX	X				X	XX									
TUC	XXX	X	X X	XXXX	X	XXXXXXXXXX	XX	X	X	XXXXXXXXXXXX	XXXX	X	X	XXXX	X X	XX			XXXXXXXXXX	X	X	XX	XXXX	XX	XXXX	XX	XXXX	X	XXXX	XX	
TUL	XX		X X	XX	X	XXXX	XX				XXXXXXXXXXXX	XX	X		XX				XXX	XX	XX	X	XX	XXXX	XX	XXXX	XX	XXXX	XX	XX	XX
TUZ			X	XX	XXX	X	X	X X	X		X	XX	XX	XX	X						X	X	X		X	XX			X	X	
TVO			X	XXX	X	X X					X	XX	X	X	X						X	X	X		X	X	X	X	X	X	X
TYNO			X	X							X X	XX	X								X	X	X		X	X	X	X	X	X	X
TZK			X	XX	X		X X				XX	X	X																		
TZL																															
UCC	X X		X	X						X	XX	X	X						X	XXX	XX	X	X	XX		XXX	X X			X	X
ULC	X X	X X								X X	X XX	XXX		XX	X X	X					X		X	X X	X	XX	XX			X	
ULM							XX	X			XXXX	XX		XX	X X	XXXX	X	X		X X	XX	XXXX	XX	XX	XXX	X X	XXX	X	X	XXX	X
UNM	X		X X	X		XX	XX				XXX	XX		XX		X	XX		X X	XXX	XX	X			X	X	XX	X	XX	X	X
UPA	X	X	XXX	X			X X	X XX			XX	X X	X		X																
UPP	X X	X X	X X	X X		XXXX	X XX				XXXXXXXXXXXX	X	XX	XXXXXX	XXX	XX	X		X X	XXXXXXXX	X	XX									

[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			
YLV	XXXXXX																																
YONJ	XXX	X	X		X	X	XX			XXX	XXXXXXXXXX	X	XXX		X	X	XX	X	X	XX		XXXXX	X	X		X	X	X	XXXX		X	X	XX
YRC	X			X		X					XX	X							X			X		X							X	X	
YRH	X			X		X					XXX	X					X	X	X		X	X									X	X	
YSNY	X	X		X	X	X	XX	X			XXXXXXXX	XXX	X	X		X	X	X	X		X	X	X				X	X	X	X	XXX	X	
YSS	XXX		X	X	XX	X	X	XX	X	X	X	XX	XXXX	X	XXX	X	X	XX	XX	X	X	XX	XX			XX	X	X	X	X	XXXX	X	
YUP			XXXX	XXX	X	XX	X			X	XXXXXXXX	XXXX	XXXX	X	XXX	XXXX	XXXX			X	X	XXX	XX		X	X	X	XX	X	X	X	X	X
YYYY	X		X	X		X		XX	X				XXXXX			X	X	X		X			X	X	XX	XXXX		XX	XX		X	X	XX
ZAG	X	X	X	X	XX	X		X	X		X	XXX		X	X	X		X		X	X	XX	XX		X	X	X	X	X	X	XXX	X	
ZAK	XXX	X	X	XX	XXX	XX	X	XX	X	X	XXX	XXXXXXXXXX	X	XX		X	X	XX	XX	X	XX	X	XX	XX	XX	XX	XX	X	X	XXXX	XX	XXXX	XX
ZFT			X	X		X					X					X					X		X	X			X			X		X	X
ZLA	X	X	X	X	X	XX		X		XXXX	X					X	X	XX	X		X	X	X	X						X	X	XX	XX
ZON	XX	X	XX	X	XX	X				XXXX	X	XXXX	XX	XX	X	XXXX	X	XX		X	X	XX	XX								XX	X	XX
ZST	XXXXXX		X	XXXX	XX	XXXX	X	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	XXXX	XX						XXXX	XXXX	XXXX	XXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XX	XXXXXXXXXXXX						

The following stations each reported less than 10 readings:

AARM	AASM	ABH	ABHA	ABJM	ABRM	ADH	ADR	ADWM	AEKI	AFDM	AFHM	AFRM	AGC	AHRM	AJM	ALAM	ALJ
ALMG	AMC	ANAT	ANCC	ANG	ANTO	AOHM	APM	APRM	AQBJ	ARJM	ARO	ARRM	ASMM	AVRM	AYN	AZUC	BAPM
BAVM	BBOR	BBR	BCKR	BCPM	BCWM	BDBC	BDI	BER	BERF	BERT	BEW	BGC	BGG	BGH	BGIO	BGM	BHRM
BIB	BIT	BKC	BLIT	BLN	BLRM	BMK	BMSM	BNN	BOD	BOH	BPRM	BRD	BRMM	BRN	BRVW	BRW	BSLM
BSRM	BTB	BTG	BTW	BUD	BUNI	BURJ	BUT	BUTX	BVA	BVW	BVYM	BZK	CALA	CANV	CASR	CAV	CBM
CBC	CBO	CCW	CCYM	CDAL	CDVM	CEI	CFTV	CGL	CGPM	CHIE	CHX	CKO	CLMC	CME	CMCM	CMW	CNLL
CNQ	COLF	COR	COSM	CPH	CPIM	CPMM	CPS	CPW	CPZ	CRNY	CRPM	CSAM	CSR	CSTJ	CSTL	CSVN	CTFE
CUSS	CVAL	CVR	CVT	CWCR	CZM	DAQ	DDI	DHR	DHW2	DIAC	DIL	DJE	DOMF	DON	DOT	DPC	DPQ
DRTN	DRZ	DSI	DSZ	DWM	EBZ	EEO	EKH	EKR	ELT	ELYF	EMEL	ENSF	EPH	ERZ	ESCF	ESD	ESK
ET3	EUC	FAI	FMKY	FRP	FTC	FTR	FX1	GACM	GARM	GAS	GAXM	GBDM	GBGM	GBMM	GCBM	GCC	GCD
GCRM	GCVM	GDXM	GELF	GGC	GHAT	GHC	GHCM	GHGM	GHLM	GHMM	GHOM	GHS	GHVM	GHV	GHZJ	GIM	GIO
GMCM	GMKM	GNAM	GOA	GPMM	GRQ	GRTM	GSGM	GSM	GSNM	GSQ	GTSM	GVR	GWKM	GWRM	HBTM	HCOM	HDW
HGWM	HITJ	HJGM	HJSM	HKL	HNB	HOBC	HOQC	HOR	HPO	HQN	HRI	HRY	HSPM	HSR	HTCR	HTW	HUL
HVC	IAS	ICQ	INGI	JAT	JAU	JAY	JBLM	JBMM	JCHM	JCPM	JEHI	JHPM	JJRM	JLK	JLP	JMI	JPRM
JRGM	JRRM	JRS	JSA	JSM	JSTM	JTGM	JUCM	JVM	KAC	KALI	KBBM	KBNM	KBR	KBRM	KBSM	KCHT	KCPM
KCRM	KCTM	KEDI	KELI	KEV	KPNJ	KFFM	KGM	KGMM	KHMM	KING	KIP	KIPM	KJJM	KKH	KKPM	KKU	KLL
KMO	KNIM	KNR	KOE	KOH	KOSW	KPL	KPPM	KRIT	KRKM	KRO	KSB	KSHT	KSI	KSK	KSM	KSPM	KSY
KUF	KUR	KVN	KVO	KWE	LBPM	LBTB	LCMM	LFU	LHCM	LHE	LIS	LISJ	LKC	LLA	LLKY	LMEM	LMI
LOC	LOCW	LPC	LPD	LPQ	LRC	LRDM	LRDO	LRV	LRW	LSP	LSPF	LT15	LT3	LTR	LVI	LVP	LXR
MAC	MAMI	MARC	MBET	MBH	MBU	MBW	MBZ	MCD	MCO	MCT	MCUM	MDO	MDRJ	MDSJ	MEDT	MENF	MEW
MGA	MGB	MGD	MGL	MHR	MJ2	MKRJ	MLS	MNB	MNHM	MNQ	MNR	MOH	MOKY	MOMI	MOP	MOQ	MOYM
MRFM	MRL	MRSJ	MSCZ	MSI	MSJ	MSNY	MSTM	MTC	MXC	NBPM	NCFM	NDE	NDHM	NEV	NFIM	NLW	NMHM
NMMO	NMTM	NRZ	NSHM	NTEM	NVS	OAR	OBC	OBHM	OCR	OD2	OGC	OGOM	OHCM	OHV	OJEN	OKH	OOW
OPA	OSD	OSR	OT2	OTT	OWYM	OZE	PACI	PADM	PAGM	PAGN	PAGV	PALR	PAND	PANM	PAPM	PASI	PATW
PCA	PCL	PCRM	PENI	PERF	PFM	PGC	PHBM	PHCM	PICO	PIG	PINR	PJLM	PKA	PKH	PKI	PKM	PLAV
PLEC	PMCM	PMGM	PMRM	PNL	PNP	PNT	PRAF	PRCM	PRW	PSAM	PSD	PSMM	PSRM	PSTM	PTN	PTM	PTS
PTV	PULI	PURC	PUYF	PWMM	PYT	QSR	QTFJ	QTRJ	QUE	RANI	RCS	RCWM	RDN	REMR	REMW	REVF	RFI
RPW	RSA	RTBS	RTC	RYS	SAC	SAL	SCCM	SCE	SDOM	SEC	SEG	SFL	SFS	SGE	SGNT	SHB	SHE
SHG	SHMJ	SIBI	SILC	SINI	SJAS	SJH	SJI	SKG	SKI	SMQ	SMW	SNB	SOS	SOSW	SPBA	SPW	SRBF
SRDI	SRE	SRFA	SSB	SSN	STB	STD	STG	STR	SWH	SWI	SYA	TAHZ	TANI	TATO	TAVF	TBO	TDS
TEH	TET	TGRV	THRI	TIM	TKL	TLG	TLX	TMB	TNL	TOD	TPI	TPR	TREF	TROT	TRQ	TSY	TUP
TVI	TWW	UDU	UER	USI	UTMA	UTU	VDB	VDCF	VFP	VGZ	VILF	VIP	VIS	VLMM	VSM	VSS	VTHM
WAL	WALA	WAR	WBO	WBSM	WEO	WFB	WHA	WIZ	WKR	WORM	WPB	WPM	WPO	WRD	WRG	XDE	YAKW
YBT	YLL	YOMI	YPE	YRE	ZAI	ZER	ZGN	ZNT	ZSP								