SEISMOLOGICAL BULLETIN
1973

OF THE SEISMOLOGICAL STATIONS OF THE FEDERAL REPUBLIC OF GERMANY

BHG, BNS, BOC, BRN, BUH, FEL, FUR, GAP, GRF, HAM, HEI, HLG, HOF, IBK, KRL, MSG, MSS, RAV, STU, TNS.

Edited by
SEISMOLOGICAL CENTRALOBSERVATORY GRAEFENBERG
ERLANGEN 1975

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Preface

Together with this 5th edition of the joint bulletin of the seismological observatories of the Federal Republic of Germany, a detailed station description is published and distributed (THE SEISMOLOGICAL STATIONS IN THE FEDERAL REPUBLIC OF GERMANY). Therefore the station descriptions have been omitted in the bulletin. For easier handling the listing and the map with all observatories of this station description have been adopted to the bulletin. Those stations contributing data for the bulletin are listed on the title-page and underlined in the map.

The compilation of the bulletin itself has been performed at the computer center of the University Erlangen - Nürnberg in the same way as in the years before and as it is described in the introduction of the former bulletins.

The funds for producing and publishing are provided by the Bundesanstalt für Bodenforschung, Hannover.

Erlangen, May 1975

H. Aichele
B. Rittenauer



LIST OF STATIONS

Code	Latitude (North)	Longitude (East)	Elevation (above m.s.l.)
BNS	50° 57' 50"	7° 10' 32"	200 m
BOC	51° 29' 22"	7° 12' 50"	64 m
BRN	52° 25' 07.5"	13° 12' 11.2"	45 m
BUG	51° 26' 44"	7° 15' 52"	135 m
BUH	48° 40' 32"	8° 13' 42"	750 m
- FEL	47° 52' 12.0"	8° 01' 00.0"	1485 m
- KALMIT	49° 19' 12.6"	8° 05' 01.2"	673 m
- TROMM	49° 36' 20.4"	8° 48' 13.8"	440 m
- SCHILTACH	48° 19' 47.4"	8° 19' 26.4"	582 m
CLZ	51° 50' 34.3"	10° 22' 26.8"	680 m
FUR	48° 09' 56"	11° 16' 35"	565 m
- BHG	47° 43' 17"	12° 52' 44"	475 m
- GAP	47° 28' 36"	11° 03' 52"	725 m
- IBK	47° 15' 28"	11° 23' 05"	580 m
GRF *	49° 41' 31"	11° 13' 18"	400.5 m
GTT	51° 32' 47"	9° 57' 51"	272 m
HAM	53° 27' 54"	9° 55' 29"	30.25 m
HLG	54° 11' 05"	7° 53' 02"	41 m
HOF	50° 18' 49"	11° 52' 39"	566 m
KRL	49° 00' 39"	8° 24' 44"	114 m
STU	48° 46' 15"	9° 11' 36"	375 m
- HEI	49° 23' 55"	8° 43' 35"	560 m
- MSG	48° 23' 57"	9° 02' 00"	475 m
- MSS	48° 10' 45"	8° 57' 58"	915 m
- RAV	47° 47' 00"	9° 36' 50"	460 m
TNS	50° 13' 25"	8° 26' 56"	815 m

* Geographical coordinates refer to central point of array

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Code	Latitude (North)	Longitude (East)	Elevation (above m.s.l.)
BNS	50° 57' 50"	7° 10' 32"	200 m
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BUH	48° 40' 32"	8° 13' 42"	750 m
- FEL	47° 52' 12.0"	8° 01' 00.0"	1485 m
- KALMIT	49° 19' 12.6"	8° 05' 01.2"	673 m
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KRL	49° 00' 39"	8° 24' 44"	114 m
STU	48° 46' 15"	9° 11' 36"	375 m
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* Geographical coordinates refer to central point of array

Explanations and Abbreviations

Hypocenter Data

Hypocenter determinations of the following institutions are used in this bulletin:

ERL Environmental Research Laboratories in the National Oceanic and Atmospheric Administration, Boulder

GS United States Geological Survey (Successor of ERL)

BCS Bureau Central International de Séismologie, Strasbourg

NFB Niedersächsisches Landesamt für Bodenforschung, Hannover (This institution gives specially the shot data of quarry blasts in the Federal Republic of Germany)

BNS
FUR
STU Observatories giving hypocenter determinations and comments on local events

Remark: If more than one hypocenter indication is given for the same event, the distance and azimuths are calculated using the values listed at first position.

In some cases for events classified by "no determination of epicenter" epicenter determinations are added later in the comments.

Station Abbreviations

Station abbreviations are used as indicated in the "Seismograph Station abbreviations" published by the U.S. G.S.

Components

Z, N, E: + means upward-, northward- or eastward directed first motion of ground
- means downward-, southward- or westward directed first motion of ground

Direction of Motion

According to a recommendation by the ISC the direction of first arrival can be referred not only to short-period vertical component but also to a long-period one. The possible code forms resulting therefrom are:

+ compression short-period
- dilatation short-period
1 compression long-period
2 dilatation long-period
A compression short- and long-period
B compression short-period, dilatation long-period
I dilatation short-period, compression long-period
K dilatation short- and long-period

Seismometer

The following seismometer abbreviations are used in this bulletin:
B4 Baule-Seismometer with Hottinger displcement pick-up
B short-period experimental seismograph at TNS
BE short-period type Benioff

ET Electrotech type EVP 300
FS FS 60 combined with phototube-amplifier and ink recorder
GT Geotech type S-13 (formerly 18300)
GL Geotech type S-13 combined with amplifier type Wielandt
GW Galitzin-Wilip
JM Johnson Matheson
KH 170 kg Mainka combined with Hottinger displacement pick-up
MG Large Mainka pendulum
MH 2000 kg Mainka combined with Hottinger displacement pick up
SL long-period Sprengnether
SR LED-Baden-Württemberg-Standard-Seismograph after Strobach, displacement pick-up Collins
ST Displacement seismometer type Stuttgart
SX Induction seismometer type Stuttgart modified after Strobach
WG 17 tons pendulum seismometer (three component) Wiechert
WH Wiechert inverted pendulum combined with Hottinger displacement pick-up
WI inverted (horizontal) Wiechert
WZ vertical Wiechert
X Induction seismometer type Stuttgart

Phases

The nomenclature of the phases corresponds to the code list of supplementary phases published by the International Seismological Center. pP appears as AP and sP as XP.

Time

All indications in Greenwich Mean Time.
The character "-" instead of a digit in the column for the 1/10 second indicates that the reading could not be made with this accuracy.

Period

The column PER gives the measured period in seconds.

Amplitude

The column LOG.AMP. gives the logarithm of the amplitude of the true ground motion in millimicrons (10^{-9} m).

Signal to Noise Ratio

The column S/N gives the signal to noise ratio of the first onset. The digit 9 stands also for values greater than 9.

Distances

Epicentral distances are given in degrees and in kilometers, rounded to 1/10 of a degree and 10 kilometers.

Azimuth

This column gives on first line the azimuth from the station to the epicenter and on second line the azimuth from the epicenter to the station.

Other Abbreviations

T_g free period of galvanometer
T_s free period of seismometer
V static magnification or magnification at an indicated frequency or period
Vmax maximum magnification
R recording speed

Intensity

Intensity indications without specification of locality have the meaning of I_o of the modified Mercally Scale. In the comments on macroseismic observations R means Radius of Perceptibility.

Magnitude

M_m Macroseismic Magnitude after KARNIK ($M_m = 0.5\ I_o + \log_{10} h_o + 0.35$). Indicated as M(M)

M_l Local Magnitude according to C.F. RICHTER's 1935 definition is indicated as M(LOC) and M(LOCAL).

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 01 ERL H= 05 22 29.8 LAT = 15.0 S LONG= 174.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 TONGA ISLANDS										
GRF	E Z BE	PKP	05 42 06.5	1.0	1.73	2	16140	145.2	8.8	354.1
BUH	E Z GT	PKP	05 42 10.0				16280	146.4	3.8	357.4
FUR	+I Z SL	PKP1	05 42 11.-	1.5	1.59	1	16310	146.7	9.2	353.6
JAN 01 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	06 48 15.8							
GRF	E Z JM	PG	06 48 36.0			1				
	E N BE	SG	06 49 06.7			1				
JAN 01 ERL H= 11 42 37.5 LAT = 35.5 S LONG= 16.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 SOUTH ATLANTIC RIDGE										
BUH	E Z GT	P	11 55 19.8				9630	86.6	199.8	15.9
FUR	+I Z SL	P	11 55 20.-	1.9	2.22	3	9660	86.9	202.2	18.0
	-I Z SL	PCP	11 55 24.-	1.7	2.09	3				
	+I Z SL	AP	11 55 30.-	1.2	1.95	2				
	+I Z SL	XP	11 55 35.-	1.3	1.84	3				
STU	+E Z BE	P	11 55 19.0	1.0	1.81	1	9660	86.9	200.5	16.5
GRF	E Z BE	P	11 55 26.0			1	9810	88.3	202.1	17.4
	E Z BE	PP	11 58 52.5			2				
BNS	E Z FS	P	11 55 28.0				9850	88.5	198.9	14.5
	E Z SL	LR	12 25 00.-							
	Z SL	-	12 26 00.-	38.0						
JAN 02 ERL H= 01 50 28.5 LAT = 38.2 N LONG= 20.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 GREECE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JAN 02 BCS H= 01 50 34.0 LAT = 38.1 N LONG= 20.2 E GREECE										
BCIS= STATION DATA FOR THIS EVENT ARE PARTIALLY UNCONSISTENT.										
FUR	+E Z SL	-	01 56 09.-	1.5	1.54	1	1320	11.9	143.7	329.8
GRF	E Z BE	P	01 53 44.6			1	1460	13.1	147.4	333.6
JAN 02 ERL H= 03 47 52.5 LAT = 5.4 N LONG= 82.5 W DEPTH= 30 KM MAGNITUDE= 5.2 SOUTH OF PANAMA										
GRF	E Z BE	P	04 00 47.0			1	9830	88.4	276.3	40.4
JAN 02 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	04 30 37.5							
JAN 02 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 21 00.6			1				
	E N BE	SG	11 21 21.7			2				
JAN 02 NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION.										
BNS	E N X	PG	12 49 41.1							
	E N X	SG	12 49 46.5							
JAN 02 ERL H= 16 25 36.0 LAT = 36.1 N LONG= 71.3 E DEPTH=137 KM MAGNITUDE= 4.8 AFGHANISTAN-USSR BORDER REGION										
GRF	E Z BE	P	16 33 39.4			2	4330	44.9	84.0	307.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JAN 02 ERL H= 22 25 57.0 LAT = 31.2 N LONG= 88.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 TIBET										
GRF	-I Z BE	P	22 35 54.7	1.1	1.88	3	6530	58.7	77.4	312.3
FUR	-I Z SL	P	22 35 57.-	1.5	1.70	9	6570	59.1	76.5	310.5
STU	E Z BE	P	22 36 04.4	1.0	1.89	3	6700	60.3	75.5	311.6
BUH	+I Z GT	P	22 36 08.7				6770	60.9	74.8	311.7
JAN 02 ERL H= 23 20 16.7 LAT = 71.3 N LONG= 7.6 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 JAN MAYEN ISLAND REGION										
GRF	E Z BE	P	23 25 24.0	1.1	1.61	3	2600	23.4	344.9	148.2
JAN 03 ERL H= 02 58 16.7 LAT = 27.7 S LONG= 63.3 W DEPTH=563 KM MAGNITUDE= 5.6 SANTIAGO DEL ESTERO PROV., ARG.										
BUH	-E Z GT	P	03 10 58.3				11030	99.2	238.4	39.5
FUR	+I Z SL	P	03 11 06.-	2.0	2.27	9	11200	100.7	240.4	41.0
GRF	E Z BE	P	03 11 09.3			2	11280	101.4	240.6	39.7
	E Z BE	PP	03 15 23.0			2				
JAN 03 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 41 35.5			1				
	E N BE	SG	11 42 02.6			2				
JAN 03 ERL H= 14 31 04.5 LAT = 39.1 N LONG= 71.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 TADZHIK SSR										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	14 39 07.2	1.1	2.24	2	4840	43.5	80.1	304.7
	E Z BE	PP	14 40 57.1			2				
FUR	-I Z SL	P	14 39 09.-	1.5	2.03	9	4870	43.8	78.6	302.5
	+I Z SL	-	14 39 13.-	1.8	2.26	4				
	-I Z SL	AP	14 39 19.-	2.0	2.27	9				
	+I Z SL	XPP	14 41 03.-	1.9	2.35	2				
	-I Z SL	XPCP	14 41 10.-	1.8	2.00	2				
STU	E Z BE	P	14 39 18.5	1.2	2.16	3	5000	45.0	77.9	303.7
BUH	+E Z GT	P	14 39 23.9				5070	45.6	77.2	303.8
BNS	-E Z FS	P	14 39 23.8	1.3	1.60		5100	45.8	78.8	307.1
	E Z FS	-	14 41 13.5							
	E Z SL	-	14 49 40.-							

JAN 03 ERL
H= 15 05 16.6
LAT = 39.1 N
LONG= 72.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
KIRGIZ SSR

GRF	E Z BE	P	15 13 28.6			2	4850	43.6	80.0	304.7

JAN 03 ERL
H= 21 14 16.4
LAT = 44.3 N
LONG= 129.2 W
DEPTH= 18 KM
MAGNITUDE= 5.3
OFF COAST OF OREGON

GRF	+E Z BE	P	21 26 27.4			2	8910	80.2	332.3	24.9

JAN 03
NO DETERMINATION OF EPICENTER

BNS	+E Z FS	P	23 05 11.0	3.0	1.95					

JAN 04 ERL
H= 01 07 50.3
LAT = 13.4 S
LONG= 167.1 E
DEPTH=194 KM
MAGNITUDE= 5.1
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	01 26 54.6			3	15430	138.7	37.1	336.3
	E Z BE	APKP	01 27 32.6			2				
	E Z BE	-	01 29 11.8			1				
	E Z BE	-	01 30 23.2			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	PKP	01 26 55.0				15470	139.1	30.7	340.6
FUR	-E Z SL	PKP1	01 26 56.-	2.0	2.27	8	15560	139.9	38.3	334.8
BUH	E Z GT	PKP	01 26 52.7				15650	140.7	33.6	337.8

JAN 04 ERL
H= 03 30 38.1
LAT = 71.6 N
LONG= 6.7 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
JAN MAYEN ISLAND REGION

GRF	E Z BE	P	03 35 45.6			2	2610	23.5	345.8	149.9

JAN 04 ERL
H= 04 08 01.7
LAT = 49.7 S
LONG= 155.1 E
DEPTH= 33 KM (NORMAL)
NORTH OF MACQUARIE ISLAND

GRF	E Z BE	PKP	04 28 30.8			2	17430	156.8	104.1	283.8

JAN 04 BCS
H= 08 03 49.0
LAT = 71.0 N
LONG= 7.3 W
JAN MAYEN ISLAND REGION

JAN 04 ERL
H= 08 03 50.4
LAT = 71.1 N
LONG= 7.7 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
JAN MAYEN ISLAND REGION

BNS	E Z FS	P	08 08 35.4	1.7	2.08		2350	21.2	346.9	154.0
	E Z SL	LR	08 13 36.-							
	Z SL	-	08 14 30.-	32.0						
HOF	+I Z SL	P	08 08 51.-	1.5	2.39	9	2510	22.6	343.7	146.7
	-I Z SL	AP	08 09 01.-	1.5	2.39	9				
	+I Z SL	XP	08 09 03.-	1.5	2.24	7				
	-E Z SL	PP	08 09 13.-	1.5	2.39	9				
	-E Z SL	PPP	08 09 32.-	1.5	2.39	5				
GRF	E Z BE	P	08 08 54.5	1.1	1.94	2	2560	23.0	344.6	148.2
	I Z BE	-	08 08 59.3	1.2	2.38	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	-E Z GT	P	08 09 00.8				2620	23.6	347.3	153.6
STU	E Z BE	P	08 09 01.0	1.7	2.45	2	2630	23.6	346.6	152.0
FUR	+I Z SL	P	08 09 11.-	2.0	2.30	3	2730	24.5	345.4	149.1
	-I Z SL	AP	08 09 17.-	1.8	2.45	6				
	+I Z SL	XP	08 09 22.-	1.5	1.98	4				
	-I Z SL	PP	08 09 42.-	2.0	2.24	2				
	+I Z SL	PPP	08 09 56.-	1.3	2.12	1				
	+I Z SL	-	08 10 03.-	1.7	2.24	3				

JAN 04 ERL
H= 12 03 13.9
LAT = 71.6 N
LONG= 7.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.2
JAN MAYEN ISLAND REGION

GRF	E Z BE	P	12 08 18.8			1	2620	23.5	345.4	148.9

JAN 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	13 50 35.5							

JAN 04
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	15 12 06.2			1				

JAN 04
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST SUPPOSED.

BNS	I N X	SG	23 03 06.2							
	E Z FS	-	23 03 16.5	1.5	1.90					

JAN 05 EPL
H= 00 39 48.2
LAT = 0.7 N
LONG= 80.0 W
DEPTH= 36 KM
MAGNITUDE= 4.7
NEAR COAST OF ECUADOR

BUH	E Z GT	P	00 52 38.0				9820	88.3	269.1	41.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JAN 05 ERL
H= 01 44 25.8
LAT = 49.4 N
LONG= 28.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
NORTH ATLANTIC RIDGE

JAN 05 BCS
H= 01 44 31.0
LAT = 49.3 N
LONG= 28.1 W
NORTH ATLANTIC RIDGE

BNS	I Z FS	P	01 49 24.5	1.2	1.90		2510	22.6	280.0	72.6
	E Z SL	-	01 53 42.-							
	E Z SL	LR	01 55 10.-							
	Z SL	-	01 57 30.-	16.0						
TNS	2E Z SL	P	01 49 36.0			3	2620	23.5	282.4	74.0
	-E Z X	P	01 49 36.5			3				
BUH	+I Z GT	P	01 49 36.9				2640	23.8	285.7	77.8
KRL	+E Z ST	P	01 49 37.4	2.6		4	2650	23.8	285.0	77.0
STU	+E Z BE	P	01 49 41.6	1.0	2.06	5	2710	24.4	285.8	77.2
GRF	+I Z BE	P	01 49 52.0	1.0	1.99	4	2820	25.4	284.7	74.2
FUR	+I Z SL	P	01 49 57.-	1.5	2.19	9	2880	25.9	287.8	77.6
	+I Z SL	AP	01 50 02.-	1.8	2.40	1				
	+I Z SL	PP	01 50 34.-	1.8	2.18	2				
	-I Z SL	PPP	01 50 47.-	1.8	2.26	2				
	+I Z SL	-	01 50 54.-	1.5	1.76	1				
	-I Z SL	PCP	01 53 19.-	2.0	2.27	4				

JAN 05 ERL
H= 03 38 58.1
LAT = 25.9 N
LONG= 45.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
NORTH ATLANTIC RIDGE

BNS	E Z FS	P	03 47 25.5				5190	46.7	257.8	43.3
BUH	E Z GT	P	03 47 27.7				5220	46.9	260.3	46.6
FUR	+I Z SL	P	03 47 44.-	1.3	1.79	2	5440	48.9	263.9	47.6
	+E Z SL	PCP	03 49 05.-	1.5	1.36	1				
	+E Z SL	PP	03 49 33.-	1.5	1.36	2				
GRF	-E Z BE	P	03 47 44.0	0.9	1.42	2	5450	49.0	262.5	45.6
	E Z BE	PCP	03 49 08.7			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 05 ERL H= 05 31 05.8 LAT = 33.5 N LONG= 140.9 E DEPTH= 56 KM MAGNITUDE= 4.5 SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	05 43 47.5			1	9550	85.9	40.2	329.9
JAN 05 ERL H= 05 49 17.5 LAT = 35.8 N LONG= 21.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 MEDITERRANEAN SEA										
JAN 05 BCS H= 05 49 20.0 LAT = 35.7 N LONG= 21.9 E MEDITERRANEAN SEA										
FUR	+I Z SL	P	05 52 43.-	2.0	2.50	4	1620	14.6	143.8	330.9
	+I Z SL	XP	05 52 52.-	1.5	2.06	6				
	Z SL	OM	05 58 30.-	6.5	3.93					
GRF	E Z BE	P	05 52 58.6	1.9	2.35	3	1770	15.9	146.9	334.1
	+I Z BE	-	05 53 05.0	1.1	2.44	6				
STU	E Z BE	P	05 53 02.0	1.0	2.13	1	1770	15.9	139.6	328.2
HOF	+I Z SL	P	05 53 10.-	1.5	3.57	3	1800	16.2	149.7	336.6
	+I Z SL	XP	05 53 20.-	1.5	3.57	9				
	+I Z SL	PP	05 53 23.-	2.0	2.68	2				
	-I Z SL	XPP	05 53 33.-	2.2	2.60	9				
	+I Z SL	-	05 53 48.-	1.5	2.24	7				
	Z SL	PM	06 00 30.-	15.0	4.79					
RUH	+E Z GT	P	05 53 07.5				1810	16.3	137.1	326.3
KRL	+E Z ST	-	05 53 12.1	1.1		2	1830	16.5	138.3	327.4
TNS	E Z SL	P	05 53 23.5			2	1930	17.4	140.9	330.1
	E Z X	P	05 53 24.5			2				
BNS	+I Z FS	P	05 53 34.3	2.5	2.79		2050	18.5	139.5	329.7
	+I Z SL	-	06 53 34.-							
	-I Z SL	S	06 57 06.-	16.0						
	E Z SL	LR	07 01 23.-							
	Z SL	-	07 03 40.-	14.0						
BOC	-I Z BH	P	05 53 39.7	2.0	3.30	2	2100	18.9	140.6	330.8
HLG	Z X	P	05 53 59.-	1.0	2.66	1	2310	20.8	146.5	336.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
-	Z SL	S	05 58 14.-	15.0		6				
	Z SL	L	06 03 00.-	22.0						
JAN 05 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	08 01 07.0			1				
	E N BE	SG	08 01 38.7			2				
JAN 05 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	P	09 54 21.6	1.5	1.60					
JAN 05 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 56 52.2			1				
	E N BE	SG	11 57 21.3			1				
JAN 05 ERL H= 12 37 47.2 LAT = 45.6 N LONG= 26.6 E DEPTH=131 KM MAGNITUDE= 4.4 RUMANIA										
JAN 05 BCS H= 12 37 49.0 LAT = 45.6 N LONG= 26.6 E DEPTH=150 KM RUMANIA										
GRF	E Z BE	P	12 40 23.8			2	1240	11.2	105.9	237.3
JAN 05 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	13 00 34.0			2				
	E E BE	SG	13 01 09.0			1				
JAN 05 ERL H= 13 39 50.4 LAT = 48.2 N LONG= 146.8 E DEPTH=430 KM MAGNITUDE= 5.1 SEA OF OKHOTSK										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	+I Z BE	P	13 50 49.9	0.7	1.66	9	8370	75.3	29.0	332.0

JAN 05 ERL
H= 13 54 29.1
LAT = 39.0 S
LONG= 175.2 E
DEPTH=150 KM
MAGNITUDE= 6.2
NORTH ISLAND, NEW ZEALAND

NOS= MINOR DAMAGE ON NORTH ISLAND.

HLG	Z SL	PKIKP	14 14 12.-			2	18070	162.5	34.7	334.6
	- Z SL	PKP2	14 15 02.-			3				
	+ Z X	PKP2	14 15 02.-			2				
HOF	-I Z SL	PKP2	14 15 10.-	2.0	3.16	9	18200	163.7	52.5	319.2
	+I Z SL	APKP	14 15 49.-	2.0	2.68	9				
	+I Z SL	XPKP	14 17 01.-	2.0	2.68	5				
	-I Z SL	-	14 18 55.-	2.0	2.81	2				
GRF	E Z BE	PKP	14 14 13.1			1	18230	164.4	52.9	318.4
	E Z BE	APKP	14 15 09.0			4				
	E Z BE	-	14 18 47.9			2				
	E Z BE	PP	14 18 59.7			2				
	E Z BE	APP	14 19 41.1			3				
FUR	-I Z SL	PKP1	14 14 17.-	2.2	2.49	5	18370	165.2	57.6	313.5
	-I Z SL	PKP2	14 15 14.-	1.0	2.76	9				
	+I Z SL	APKP	14 15 56.-	1.0	2.09	1				
	+I Z SL	XPKP	14 16 10.-	2.0	2.54	4				
	-I Z SL	PP	14 19 06.-	3.0	3.28	6				
BNS	+E Z SL	PKP	14 14 15.-	14.0			18390	165.4	39.7	328.8
	-I Z FS	-	14 15 14.5	2.3	2.84					
	E Z FS	-	14 15 55.-							
	I Z SL	PP	14 18 56.-							
	E Z FS	-	14 22 50.-							
	E Z SL	-	14 32 43.-							
	E Z SL	-	14 46 18.-							
	Z SL	-	15 16 00.-	44.0						
STU	+E Z SL	PKP1	14 14 16.0	12.0	3.19	2	18460	166.0	51.0	318.7
	+E Z SL	PKP2	14 19 04.0	16.0	3.69					
KRL	+E Z ST	PKP1	14 15 18.8	1.6		2	18480	166.2	48.3	320.9
	+E Z WH	PP	14 19 15.0	5.0		2				
BUH	E Z GT	PKP	14 15 19.5				18520	166.5	48.9	320.2

JAN 05
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	16 28 34.5							
	I Z GT	PN	16 28 35.2							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JAN 05 ERL
H= 19 12 12.5
LAT = 35.6 N
LONG= 21.9 E
DEPTH= 30 KM
MAGNITUDE= 4.3
MEDITERRANEAN SEA

GRF	E Z BE	P	19 15 58.0			1	1790	16.1	146.9	334.2

JAN 05 ERL
H= 21 29 12.3
LAT = 21.3 S
LONG= 175.2 E
DEPTH=620 KM
MAGNITUDE= 5.2
SOUTH OF FIJI ISLANDS

BNS	I Z FS	PKP	21 47 53.6	1.2	1.60		16560	149.0	22.0	345.3
GRF	E Z BE	PKP	21 47 53.1			2	16560	149.0	29.9	339.7
	E Z BE	-	21 48 00.9			2				
	E Z BE	APKP	21 50 10.0			1				
BUH	E Z GT	PKP	21 47 57.0				16770	150.8	25.5	342.2

JAN 06 BCS
H= 02 06 38.0
LAT = 46.0 N
LONG= 1.2 W
FRANCE

BCIS= AREA OF OLERON ISLAND. FELT STRONGLY IN THE CHARENTE-MARITIME COUNTY. FELT V ON OLERON ISLAND, ISLAND OF AIX AND BROUAGE, IV ON THE ISLAND RE, LA ROCHELLE AND MARANS, III AT LA TREMBLADE AND II AT ROYAN.

BUH	E Z GT	PN	02 08 16.8				770	6.9	250.9	63.9
	E Z GT	PG	02 08 49.4							
BNS	-I Z FS	PN	02 08 25.6	0.6	1.30		830	7.5	231.5	45.2
	E Z FS	PG	02 09 02.-							
	E E X	SG	02 10 44.-	1.0	2.23					
	E N X	-	02 10 49.-	1.0	2.13					
STU	E Z BE	PN	02 09 01.5	0.5	1.74	2	840	7.6	252.4	64.8
	E Z BE	SG	02 10 45.0	0.7	2.05	3				
FUR	-E Z SL	SN	02 10 40.-	1.5	2.28	2	980	8.8	260.4	71.2
	+E Z SL	SB	02 11 09.-	1.5	2.28	5				
	+E Z SL	SG	02 11 31.-	1.8	1.78	2				
	Z SL	MAXIMUM	02 12 36.-	1.8	2.20					
GRF	E Z BE	PN	02 08 55.0			1	1020	9.1	250.9	61.7
	E Z BE	PG	02 09 36.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E N BE	SG	02 11 30.8			1				
JAN 06 ERL H= 07 53 14.6 LAT = 31.5 S LONG= 179.5 E DEPTH=476 KM MAGNITUDE= 5.2 KERMADEC ISLANDS REGION										
GRF	+E Z BE	PKP2	08 18 01.4			4	17770	159.8	30.2	337.5
JAN 06 ERL H= 14 55 52.8 LAT = 33.1 N LONG= 140.7 E DEPTH= 61 KM MAGNITUDE= 4.7 SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	15 08 28.9			1	3580	86.1	40.5	329.8
	E Z BE	-	15 08 44.5			2				
JAN 06 ERL H= 15 04 11.9 LAT = 53.3 N LONG= 162.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 SOUTH OF ALASKA										
GRF	E Z BE	P	15 16 05.5			1	8580	77.2	356.1	4.3
JAN 06 ERL H= 15 05 38.5 LAT = 43.3 N LONG= 155.5 E DEPTH= 34 KM MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	E Z BE	P	15 17 28.0			2	8530	76.7	23.1	337.1
JAN 06 ERL H= 15 52 41.9 LAT = 14.7 S LONG= 166.4 E DEPTH= 36 KM MAGNITUDE= 6.1 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKIKP	16 12 04.2			1	15530	139.6	38.9	335.1
	E Z BE	PP	16 15 07.3			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E Z BE	SKKS	16 23 58.3			1				
BNS	+E Z FS	PKP	16 12 02.8				15530	140.1	32.4	339.5
	E Z FS	-	16 12 09.5	2.0	1.70					
	E Z FS	PP	16 15 14.-							
	E Z SL	LR	17 10 30.-							
	Z SL	-	17 18 00.-	20.0						
FUR	+I Z SL	PKP1	16 12 09.-	1.9	2.39	9	15650	140.8	40.1	333.5
	+I Z SL	-	16 12 14.-	1.8	2.18	4				
	+I Z SL	APKP	16 12 20.-	2.0	2.57	9				
	+I Z SL	PP	16 15 16.-	1.5	1.59	2				
BUH	E Z GT	PKP	16 12 10.0				15750	141.6	35.4	336.6
JAN 06 ERL H= 20 01 50.9 LAT = 33.1 N LONG= 48.3 E DEPTH= 63 KM MAGNITUDE= 4.8 WESTERN IRAN										
GRF	E Z BE	P	20 08 13.1			1	3550	32.0	107.2	312.3
JAN 06 ERL H= 22 15 49.9 LAT = 15.5 S LONG= 167.5 E DEPTH=123 KM MAGNITUDE= 5.3 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKIKP	22 35 05.3			2	15660	140.8	37.9	335.6
	E Z BE	PP	22 38 10.2			2				
BNS	E Z FS	PKP	22 35 01.-				15710	141.2	31.2	340.1
	E Z FS	-	22 35 07.2	1.0	1.30					
FUR	-I Z SL	PKP1	22 35 05.-	1.4	1.79	9	15730	142.0	39.2	334.0
BUH	-E Z GT	PKP	22 35 07.3				15880	142.8	34.4	337.2
JAN 07 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	01 14 21.7			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 07 ERL H= 01 32 13.0 LAT = 21.9 S LONG= 170.4 E DEPTH= 66 KM MAGNITUDE= 4.7 LOYALTY ISLANDS REGION										
GRF	E Z BE	PKP	01 51 46.5			1	16430	147.7	38.2	334.4
BNS	E Z FS	PKP	01 51 50.5				16470	148.1	30.6	339.7
FUR	-E Z SL	PKP1	01 51 53.-	1.5	1.36	1	16560	148.9	39.9	332.5
BUH	E Z GT	PKP	01 51 54.7				16650	149.7	34.4	336.2
JAN 07 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	07 38 52.6							
	E Z GT	PG	07 38 53.4							
JAN 07 ERL H= 12 17 12.6 LAT = 5.3 N LONG= 36.8 E DEPTH= 34 KM MAGNITUDE= 4.9 ETHIOPIA										
FUR	-I Z SL	XP	12 26 04.-	1.6	1.48	2	5340	48.0	144.7	337.1
	-I Z SL	-	12 26 20.-	1.5	1.49	4				
	+I Z SL	XPP	12 27 54.-	1.5	1.54	2				
GRF	E Z BE	P	12 26 00.5			2	5480	49.3	145.4	338.2
	E Z BE	-	12 26 14.6			2				
BUH	E Z GT	P	12 26 02.0				5520	49.6	141.2	335.4
JAN 07 NO DETERMINATION OF EPICENTER										
FUR	-I Z SL	P	13 08 11.-	1.3	1.84	9				
	Z SL	MAXIMUM	13 09 03.-	1.5	1.93					
BUH	-E Z GT	PN	13 08 21.3							
	E Z GT	PN	13 09 00.5							
JAN 07 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	23 46 05.0			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 08 ERL H= 04 36 26.4 LAT = 13.6 N LONG= 57.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 ARABIAN SEA										
GRF	E Z BE	P	04 45 34.2			3	5790	52.0	117.2	323.6
	E Z BE	-	04 45 43.4			2				
JAN 08 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	09 53 53.7							
JAN 08 ERL H= 10 24 25.3 LAT = 20.1 S LONG= 179.0 W DEPTH=653 KM MAGNITUDE= 4.7 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	10 43 04.0			1	16610	149.4	19.1	346.9
	E Z BE	-	10 43 12.1			2				
JAN 08 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	14 49 01.5							
JAN 08 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	15 50 21.-	1.5	1.28	5				
	-I Z SL	-	15 50 27.-	1.5	1.53	2				
JAN 08 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	16 16 36.9							
JAN 08 ERL H= 21 10 11.2 LAT = 24.4 S LONG= 177.3 W DEPTH=154 KM MAGNITUDE= 4.7 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	21 30 07.3			3	17110	153.9	17.8	347.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
			JAN 09 ERL							
			H= 06 02 49.1							
			LAT = 71.3 N							
			LONG= 7.6 W							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.3							
			JAN MAYEN ISLAND REGION							
GRF	E Z BE	P	06 07 55.3			2	2590	23.3	344.8	148.1
			JAN 03 ERL							
			H= 07 46 18.8							
			LAT = 71.6 N							
			LONG= 5.9 W							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.4							
			JAN MAYEN ISLAND REGION							
GRF	E Z BE	P	07 51 25.4			2	2600	23.4	346.4	151.2
			JAN 03 ERL							
			H= 11 57 21.0							
			LAT = 60.3 N							
			LONG= 146.0 W							
			DEPTH= 18 KM							
			MAGNITUDE= 5.1							
			SOUTHERN ALASKA							
GPF	+E Z BE	P	12 08 26.3			2	7650	68.8	348.1	15.6
BUH	+E Z GT	P	12 08 29.0				7710	69.4	346.6	17.9
FUR	+E Z SL	P	12 08 35.-	1.5	1.43	7	7820	70.3	348.2	15.9
	+I Z SL	AP	12 08 44.-	1.8	1.78	6				
			JAN 09 ERL							
			H= 13 08 54.3							
			LAT = 71.4 N							
			LONG= 7.7 W							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.1							
			JAN MAYEN ISLAND REGION							
GPF	E Z BE	P	13 14 01.6			1	2610	23.4	344.8	148.0
			JAN 09							
			NO DETERMINATION OF EPICENTER							
GRF	E Z BE	P	13 30 32.8			2				
			JAN 09							
			NO DETERMINATION OF EPICENTER							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	PG	14 03 40.9			1				
	E E BE	SG	14 04 47.1			1				
			JAN 09 ERL							
			H= 14 55 38.6							
			LAT = 71.3 N							
			LONG= 8.0 W							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.4							
			JAN MAYEN ISLAND REGION							
GRF	E Z BE	P	15 00 45.8			1	2610	23.5	344.5	147.5
BUH	E Z GT	P	15 01 02.2				2660	24.0	347.2	152.8
			JAN 09 ERL							
			H= 16 17 55.2							
			LAT = 39.5 N							
			LONG= 73.7 E							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.9							
			TADZHIK-SINKIANG BORDER REGION							
GRF	E Z BE	P	16 26 05.2			1	4940	44.4	78.5	304.6
			JAN 09 ERL							
			H= 17 07 55.5							
			LAT = 51.4 N							
			LONG= 178.2 W							
			DEPTH= 52 KM							
			MAGNITUDE= 5.1							
			ANDREANOF ISLANDS, ALEUTIAN IS.							
GRF	E Z BE	P	17 19 55.8	1.0	1.44	2	8780	79.0	6.0	353.8
BUH	+E Z GT	P	17 20 01.7				8910	80.1	4.1	355.7
			JAN 10 ERL							
			H= 03 24 11.7							
			LAT = 37.8 N							
			LONG= 21.3 E							
			DEPTH= 41 KM							
			MAGNITUDE= 5.0							
			SOUTHERN GREECE							
			JAN 10 BCS							
			H= 03 24 13.0							
			LAT = 37.5 N							
			LONG= 21.4 E							
			SOUTHERN GREECE							

NOS= MINOR DAMAGE IN PIRGOS AREA.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	P	03 27 12.-	1.5	1.23	3	1420	12.7	141.1	327.3
	-I Z SL	-	03 27 14.-	1.7	2.06	3				
	+I Z SL	PP	03 27 24.-	1.5	1.73	9				
	+I Z SL	PPP	03 27 28.-	1.5	2.00	4				
	+I Z SL	-	03 27 38.-	1.2	1.95	9				
	+I Z SL	-	03 27 50.-	1.2	2.18	3				
	-I Z SL	S	03 29 31.-	1.7	1.81	2				
	+I Z SL	SS	03 29 51.-	1.8	2.00	2				
	Z SL	-	03 30 10.-	1.5	1.62	9				
		QM	03 32 20.-	2.8	2.93					
GRF	E Z BE	P	03 27 26.5			1	1550	14.0	144.8	331.8
	I Z BE	-	03 27 37.4	0.8	1.81	4				
STU	E Z BE	P	03 27 26.4	1.5	2.56	2	1570	14.1	136.8	325.2
HOF	+E Z SL	-	03 28 28.-	4.0	2.82	5	1590	14.3	148.1	334.7
	-E Z SL	-	03 28 44.-	4.0	2.57	5				
	Z SL	RM	03 34 30.-	10.0	3.48					
BUH	E Z GT	P	03 27 34.0				1610	14.5	134.0	323.0
KRL	+E Z ST	P	03 27 46.0	1.3		2	1630	14.6	135.4	324.3
TNS	Z SL	P	03 27 55.-			2	1720	15.5	138.6	327.6
BNS	E Z FS	P	03 28 04.3	1.7	2.04		1850	16.6	137.2	327.2
	E Z SL	LR	03 34 10.-							
	Z SL	-	03 35 35.-	12.0						

JAN 10
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	06 03 08.0			1				

JAN 10 ERL
H= 11 32 27.4
LAT = 11.1 S
LONG= 162.3 E
DEPTH= 32 KM
MAGNITUDE= 5.6
SOLOMON ISLANDS

GRF	E Z BE	PKIKP	11 51 44.0			1	14980	134.7	41.9	333.8
	E Z BE	-	11 54 24.4			1				
	E Z BE	PP	11 55 15.1			2				
BNS	E Z SL	-	11 55 16.-				15050	135.3	36.0	337.7
	E Z SL	-	12 41 00.-							
	Z SL	-	12 48 00.-	25.0						
FUR	+E Z SL	PKP1	11 51 36.-	1.5	1.13	2	15100	135.8	43.0	332.3
	-E Z SL	-	11 51 40.-	1.9	1.83	2				
	-E Z SL	APKP	11 51 47.-	1.9	1.75	3				
	+I Z SL	XPP	11 54 28.-	2.0	2.10	9				
	+I Z SL	XPKP	11 55 18.-	1.9	2.35	4				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	Z SL	RM	11 58 00.-	18.0	3.46					
BUH	E Z GT	PKP	11 51 47.5				15200	136.7	38.8	335.0
	E Z GT	PKP	11 55 21.7							

JAN 10
NO DETERMINATION OF EPICENTER

FUR	+E Z SL	P	12 09 34.-	1.7	1.95	9				

JAN 10 ERL
H= 14 27 43.5
LAT = 71.6 N
LONG= 6.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
JAN MAYEN ISLAND REGION

GRF	E Z BE	P	14 32 51.7			2	2610	23.5	345.6	149.6

JAN 10
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	16 09 48.6			2				

JAN 10 ERL
H= 17 13 08.7
LAT = 55.2 N
LONG= 159.9 W
DEPTH= 58 KM
MAGNITUDE= 4.2
ALASKA PENINSULA

GRF	E Z BE	P	17 24 47.4			1	8360	75.2	354.8	5.9

JAN 10 ERL
H= 20 09 27.2
LAT = 9.0 N
LONG= 84.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
COSTA RICA

GRF	E Z BE	P	20 22 11.0			1	9630	86.6	279.8	40.4

JAN 11 ERL
H= 02 12 27.5
LAT = 52.1 N
LONG= 169.6 W
DEPTH= 30 KM (GEOPHYSICIST)
MAGNITUDE= 5.4
FOX ISLANDS, ALEUTIAN ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	I Z FS	P	02 24 20.8	1.5	1.90		8530	77.3	358.0	2.1
	E Z FS	-	02 26 39.-							
	Z SL	-	03 02 00.-	20.0						
HOF	+E Z SL	P	02 24 26.-	1.5	2.09	5	8670	78.0	0.9	359.0
GRF	+I Z BE	P	02 24 28.7	1.0	1.90	9	8740	78.6	0.5	359.5
STU	E Z BE	P	02 24 32.0	1.5	2.20	3	8840	79.5	359.2	0.8
BUH	+I Z GT	P	02 24 33.9				8850	79.6	358.6	1.5
FUR	+I Z SL	P	02 24 37.-	1.5	1.98	6	8910	80.1	0.6	359.4
	-E Z SL	PCP	02 24 43.-	2.0	2.10	3				
	-I Z SL	APCP	02 24 49.-	1.5	1.93	6				
	+I Z SL	XPCP	02 24 55.-	1.5	1.76	5				

JAN 11 ERL
H= 05 01 11.6
LAT = 52.2 N
LONG= 169.6 W
DEPTH= 22 KM
MAGNITUDE= 3.9
FOX ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	05 13 13.8			1	8730	78.5	0.5	359.5

JAN 11
NO DETERMINATION OF EPICENTER

FUR	+E E SL	-	09 54 12.-	1.5	1.49	3				
	-I E SL	-	09 55 32.-	1.7	1.80	4				

JAN 11
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	10 48 58.4			1				
	E N BE	SG	10 49 27.0			1				

JAN 12 ERL
H= 03 11 33.1
LAT = 54.4 S
LONG= 5.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
BOUVET ISLAND REGION

FUR	+E Z SL	PKP1	03 29 38.-	1.9	1.89	1	11370	102.3	183.6	4.1
	+I Z SL	APKP	03 29 47.-	1.9	2.05	2				
	+E Z SL	-	03 34 07.-	2.0	2.00	4				
	-E Z SL	-	03 34 16.-	2.0	2.00	3				
BNS	E Z FS	-								
	E Z SL	LR	03 34 27.5	2.5	2.00		11670	105.0	181.1	1.2
			04 00 50.-	46.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	Z SL	-	04 15 30.-	18.0						

JAN 12
NO DETERMINATION OF EPICENTER

FUR	+E Z SL	-	11 12 06.-	1.5	1.36	3				
	-I Z SL	-	11 12 41.-	2.0	2.27	8				
GRF	E Z JM	PN	11 12 10.5			1				
	E Z JM	PG	11 12 26.4			1				
	E N BE	SG	11 13 15.0			1				

JAN 12
NO DETERMINATION OF EPICENTER

BNS	I Z FS	-	12 12 06.5	1.3	1.78					

JAN 12
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	13 45 46.6			1				
	E N BE	SG	13 46 19.0			2				

JAN 12 ERL
H= 23 39 25.9
LAT = 36.0 N
LONG= 70.6 E
DEPTH=126 KM
MAGNITUDE= 5.2
HINDU KUSH REGION

GRF	E Z BE	P	23 47 27.8			1	4950	44.5	84.6	307.1

JAN 13 ERL
H= 01 00 37.6
LAT = 51.8 N
LONG= 177.0 W
DEPTH= 61 KM
MAGNITUDE= 5.4
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E Z BE	P	01 12 34.8			2	8750	78.7	5.2	354.6

JAN 13 ERL
H= 06 05 42.4
LAT = 16.8 S
LONG= 28.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
ZAMBIA

GRF	E Z BE	P	06 16 38.7			1	7550	67.9	162.3	348.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 13 ERL H= 14 14 41.1 LAT = 25.6 N LONG= 63.9 E DEPTH= 50 KM (GEOPHYSICIST) MAGNITUDE= 5.0 WESTERN PAKISTAN										
GRF	E Z BE	P	14 23 21.6			2	5220	47.0	100.8	315.1
JAN 13 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	17 57 02.-	1.5	1.36	6				
JAN 13 ERL H= 21 58 22.0 LAT = 51.8 N LONG= 176.3 E DEPTH= 52 KM MAGNITUDE= 5.0 RAT ISLANDS, ALEUTIAN ISLANDS										
GRF	E Z BE	P	22 10 17.8			2	8690	78.1	9.4	350.1
BUH	E Z GT	P	22 10 24.7				8830	79.4	7.5	352.0
JAN 13 ERL H= 22 03 50.9 LAT = 59.7 N LONG= 163.2 E DEPTH= 33 KM (NOPMAL) MAGNITUDE= 4.8 KAMCHATKA										
GRF	E Z BE	P	22 14 52.6			1	7630	68.6	14.8	340.8
JAN 15 ERL H= 01 53 14.6 LAT = 46.0 N LONG= 142.7 E DEPTH=354 KM MAGNITUDE= 5.1 SAKHALIN ISLAND										
GRF	+E Z BE	P	02 04 24.4			3	8430	75.8	32.6	329.9
	+E Z BE	AP	02 05 44.7			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 15 ERL H= 03 20 47.3 LAT = 20.9 S LONG= 169.8 E DEPTH= 82 KM MAGNITUDE= 5.1 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	03 40 19.6			1	16300	146.6	38.4	334.4
	E Z BE	-	03 40 46.2			2				
JAN 15 ERL H= 09 02 58.3 LAT = 27.1 N LONG= 140.1 E DEPTH=477 KM MAGNITUDE= 5.8 BONIN ISLANDS REGION										
GRF	-I Z BE	P	09 15 12.2	1.0	3.03	9	10130	91.1	44.0	329.6
	E Z BE	-	09 17 22.9			2				
	E Z BE	PP	09 18 55.4			3				
BNS	-I Z FS	P	09 15 14.8	1.1	2.23		10220	91.9	40.8	332.4
	E Z FS	-	09 19 00.-							
FUR	-I Z SL	P	09 15 17.-	1.3	3.03	9	10250	92.2	44.0	328.5
	-I Z SL	XP	09 17 32.-	2.0	2.40	3				
	+I Z SL	PP	09 19 04.-	1.8	2.53	9				
STU	-I Z BE	P	09 15 18.5	0.9	2.75	8	10310	92.7	42.4	330.0
JAN 15 ERL H= 09 14 10.7 LAT = 27.1 N LONG= 140.0 E DEPTH=478 KM MAGNITUDE= 5.1 BONIN ISLANDS REGION										
GRF	E Z BE	P	09 26 24.7			2	10130	91.1	44.0	329.6
JAN 15 ERL H= 11 19 49.9 LAT = 27.1 N LONG= 140.0 E DEPTH=469 KM MAGNITUDE= 4.9 BONIN ISLANDS REGION										
GRF	-I Z BE	P	11 32 04.4	1.0	1.71	3	10120	91.0	44.0	329.6
FUR	+I Z SL	P	11 32 09.-	1.5	1.73	9	10240	92.1	44.1	328.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 15										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 38 01.8			1				
	E N BE	SG	11 38 27.2			2				
JAN 15 ERL										
H= 12 55 44.8										
LAT = 40.4 N										
LONG= 91.1 E										
DEPTH= 13 KM										
MAGNITUDE= 5.1										
SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	13 05 15.9			3	6080	54.7	67.1	308.4
	E Z BE	AP	13 05 19.7			2				
FUR	-I Z SL	P	13 05 20.-	1.3	2.05	9	6140	55.2	66.2	306.7
	+I Z SL	-	13 05 24.-	1.9	2.19	2				
JAN 15										
NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	16 00 45.0			1				
	E Z JM	PG	16 00 47.4			2				
	E N BE	SG	16 01 11.4			2				
JAN 15 ERL										
H= 17 04 05.8										
LAT = 33.4 N										
LONG= 140.8 E										
DEPTH= 58 KM										
MAGNITUDE= 4.3										
SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	17 16 42.2			2	9560	86.0	40.3	329.9
JAN 16 ERL										
H= 03 57 38.6										
LAT = 54.1 N										
LONG= 165.5 W										
DEPTH= 81 KM										
MAGNITUDE= 5.3										
FOX ISLANDS, ALEUTIAN ISLANDS										
GRF	-I Z BE	P	10 09 22.2	0.6	1.42	5	8510	76.5	358.0	2.2
JAN 16										
NO DETERMINATION OF EPICENTER										
BNS	I Z FS	-	14 00 59.0	0.5	2.18					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 16 ERL										
H= 21 31 26.0										
LAT = 33.2 N										
LONG= 75.7 E										
DEPTH= 42 KM										
MAGNITUDE= 5.1										
EASTERN KASHMIR										
NOS= FELT SLIGHTLY AT LAHORE.										
GRF	+E Z BE	P	21 40 15.2			3	5510	49.5	84.0	309.6
FUR	-I Z SL	P	21 40 16.-	1.5	1.59	9	5520	49.7	82.7	307.6
JAN 16 ERL										
H= 22 45 16.7										
LAT = 35.1 N										
LONG= 22.6 E										
DEPTH= 28 KM										
MAGNITUDE= 4.5										
MEDITERRANEAN SEA										
JAN 16 BCS										
H= 22 45 20.0										
LAT = 35.1 N										
LONG= 22.7 E										
MEDITERRANEAN SEA										
NOS= MODERATE PROPERTY DAMAGE IN PIRGOS AREA.										
FUR	-I Z SL	P	22 48 56.-	2.0	2.10	3	1720	15.5	143.1	330.6
GRF	+I Z BE	P	22 49 13.8	1.0	2.02	4	1860	16.7	146.0	333.7
JAN 17										
NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	P	05 30 07.-	1.3	1.89	2				
	Z SL	MAXIMUM	05 31 40.-	1.5	2.00					
GRF	E Z BE	PN	05 30 07.8			1				
	E Z BE	PG	05 30 24.4			1				
	E E BE	SG	05 31 25.4			2				
JAN 17 ERL										
H= 09 03 42.9										
LAT = 17.5 S										
LONG= 178.7 W										
DEPTH=531 KM										
MAGNITUDE= 4.8										
FIJI ISLANDS REGION										
GRF	-E Z BE	PKP	09 22 27.8			2	16340	146.9	17.6	348.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 17 ERL H= 09 44 36.8 LAT = 15.1 S LONG= 175.0 W DEPTH=251 KM MAGNITUDE= 5.7 TONGA ISLANDS										
BNS	-I Z FS	PKP	10 03 42.9	1.4	3.16		16040	144.2	3.6	357.6
GRF	E Z BE	PKP	10 03 28.4			1	16140	145.2	10.6	352.9
	-E Z BE	PKP	10 03 45.4	1.2	3.29	2				
	-I Z BE	PKP	10 03 46.4			9				
	E Z BE	APKP	10 04 53.2			6				
KRL	+E Z ST	PKP	10 03 48.7	1.7		4	16250	146.1	5.9	356.0
STU	-E Z BE	PKP	10 03 47.5	1.1	2.87	2	16270	146.3	7.3	355.0
BUH	E Z GT	PKP	10 03 48.0				16280	146.4	5.7	356.1
	-I Z GT	PKP	10 03 49.9							
FUR	-I Z SL	PKP1	10 03 50.-	1.5	1.98	9	16310	146.6	11.1	352.3
	-I Z SL	PP	10 07 16.-	2.0	2.40	4				
JAN 17 NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	I 7 FS	PG	12 53 01.2							
	I N X	SG	12 53 06.0							
JAN 17 ERL H= 14 05 56.7 LAT = 71.2 N LONG= 8.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 JAN MAYEN ISLAND REGION										
GRF	E Z BE	P	14 11 03.2			2	2600	23.4	344.2	147.0
JAN 17 NO DETERMINATION OF EPICENTER										
BNS= ROCKBURST SUPPOSED.										
BNS	E Z FS	PG	21 34 04.2							
	E N X	SG	21 34 11.2							
JAN 17 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	23 17 19.6			1				
JAN 18 ERL H= 08 52 49.7 LAT = 11.0 N LONG= 73.4 W DEPTH= 61 KM MAGNITUDE= 4.5 NEAR NORTH COAST OF COLOMBIA										
BUH	E Z GT	P	09 08 03.1				8480	76.3	271.1	42.5
JAN 18 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PN	09 07 58.4			2				
	E Z BE	PG	09 08 15.3			2				
	E N BE	SN	09 08 47.6			1				
	E N BE	SG	09 09 18.0			2				
JAN 18 ERL H= 09 28 14.1 LAT = 6.9 S LONG= 150.0 E DEPTH= 43 KM MAGNITUDE= 6.3 NEW BRITAIN REGION										
BRN	-E Z ET	PP	09 48 46.-			1	13620	122.5	53.7	330.2
	+E Z ET	PS	09 58 38.-			3				
HAM	E Z SX	PKP	09 47 14.-			4	13720	123.4	49.8	332.6
	+I Z SX	-	09 47 17.6			9				
HLG	Z SL	PKP	09 47 18.-			2	13770	123.8	47.2	334.2
	+ Z X	PKP	09 47 18.-	2.0	2.95	3				
	Z SL	PP	09 49 00.-			3				
HOF	+I Z SL	PKP1	09 47 09.-	3.0	3.20	9	13830	124.4	53.5	328.7
	+I Z SL	APKP	09 47 18.-	2.5	3.27	5				
	+I Z SL	-	09 47 28.-	2.7	3.21	9				
	-I Z SL	APP	09 50 03.-	3.0	4.18	5				
	Z SL	RM	10 41 00.-	23.0	4.99					
GRF	E Z BE	PKP	09 47 09.5			2	13910	125.1	53.1	328.4
	-I Z BE	PKP	09 47 12.4			6				
	+E Z BE	PKP	09 47 20.5			5				
	I Z BE	APKP	09 47 23.8			9				
	E Z BE	PPS	10 00 46.0			2				
FUR	+I Z SL	PKP1	09 47 13.-	2.0	2.65	7	14010	126.0	54.1	326.9
	-I Z SL	PP	09 43 14.-	2.5	2.83	2				
	Z SL	RM	10 43 00.-	20.0	4.47					
TNS	E Z SL	PKP1	09 47 14.-			5	14030	126.2	49.9	330.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	PP	09 49 12.-			2				
BNS	+I Z FS	PKP	09 47 13.8	2.4	2.81		14050	126.3	48.1	331.7
	+E Z SL	-	09 47 14.-	10.0						
	E Z SL	PP	09 49 11.-							
	E Z SL	SP	09 59 02.-							
	+E Z SL	SSS	10 11 12.-	50.0						
	E Z SL	LR	10 28 56.-	56.0						
	Z SL	-	10 43 00.-	22.0						
STU	+E Z BE	PKP	09 47 14.5	1.3	2.40	5	14090	126.7	51.5	328.5
	+E Z BE	-	09 47 22.7	1.0	2.54	3				
BUH	+E Z GT	PKP	09 47 15.3				14150	127.3	50.6	329.0

JAN 17 ERL
H= 11 08 11.8
LAT = 32.8 N
LONG= 68.4 E
DEPTH= 34 KM
MAGNITUDE= 4.8
AFGHANISTAN

GRF	E Z BE	P	11 16 28.4			2	5010	45.0	89.8	309.6

JAN 18
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 16 47.1			2				
	E E BE	SG	11 17 12.9			2				

JAN 18 BCS
H= 19 07 36.0
LAT = 42.8 N
LONG= 19.2 E
YUGOSLAVIA

FUR	+I Z SL	SG	19 12 03.-	1.5	1.54	2	860	7.7	131.0	316.7
GRF	E Z BE	P	19 09 49.-			1	980	8.8	138.3	324.0

JAN 18 BCS
H= 21 51 55.0
LAT = 45.3 N
LONG= 6.6 E
FRANCE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JAN 19 ERL
H= 21 51 56.4
LAT = 45.3 N
LONG= 6.7 E
DEPTH= 33 KM (NORMAL)
FRANCE

BUH	+E Z GT	P	21 52 43.4				400	3.6	198.9	17.7
GRF	E Z BE	P	21 53 32.6			2	600	5.4	217.2	33.8

JAN 18 ERL
H= 22 35 18.3
LAT = 32.8 N
LONG= 48.0 E
DEPTH= 57 KM
MAGNITUDE= 4.4
WESTERN IRAN

GRF	E Z BE	P	22 41 41.-			1	3560	32.0	103.0	312.3

JAN 19 ERL
H= 15 10 02.1
LAT = 32.7 N
LONG= 68.3 E
DEPTH= 30 KM
MAGNITUDE= 5.0
AFGHANISTAN

NOS= FELT STRONGLY IN JANIKAIL KATAWZ PROVINCE. MAG. 4.0 (ATH).

GRF	E Z BE	P	15 18 18.-			2	5010	45.1	89.9	309.6

JAN 20 ERL
H= 08 32 10.9
LAT = 33.3 S
LONG= 178.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTH OF KERMADEC ISLANDS

GRF	E Z BE	PKP	08 52 56.4			2	18040	162.2	27.0	339.4
FUR	-I Z SL	PKP2	08 53 02.-	1.5	1.59	2	18180	163.5	29.5	336.8
	-E Z SL	APKP	08 53 13.-	1.5	1.45	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 20 ERL H= 10 13 51.3 LAT = 34.9 N LONG= 140.8 E DEPTH= 43 KM MAGNITUDE= 5.0 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	+E Z BE	P	10 26 22.6			3	9410	84.6	39.5	329.8
JAN 20 BCS H= 10 37 29.0 LAT = 46.0 N LONG= 1.4 W FRANCE BCIS= FELT AT OLERON ISLAND AND AT THE ATLANTIC COAST OF CHARENTE-MARITIME COUNTY.										
BUH	E Z GT	P	10 39 10.2				790	7.1	251.3	64.3
	-I Z GT	P	10 39 44.5							
	I Z GT	P	10 41 34.9							
BNS	E N X	-	10 40 48.-				840	7.6	232.2	45.8
	E N X	SG	10 41 35.-	1.0	2.23					
STU	E Z BE	PN	10 39 53.8	0.6	1.70	2	860	7.7	252.9	65.1
FUR	-E Z SL	SG	10 42 37.-	2.0	2.14	6	990	8.9	260.7	71.4
JAN 20 ERL H= 12 34 19.6 LAT = 29.3 N LONG= 68.6 E DEPTH= 17 KM MAGNITUDE= 5.3 WEST PAKISTAN										
HOF	+I Z SL	-	12 43 20.-	1.5	2.39	2	5230	47.1	94.4	313.0
FUP	+I Z SL	AP	12 43 01.-	1.5	1.49	2	5270	47.4	91.9	310.0
	+I Z SL	XPP	12 44 55.-	2.0	2.28	5				
JAN 20 ERL H= 12 46 44.0 LAT = 29.5 N LONG= 68.6 E DEPTH= 15 KM (GEOPHYSICIST) MAGNITUDE= 5.0 WEST PAKISTAN										
FUR	-I Z SL	P	12 55 19.-	1.7	1.95	2	5250	47.2	91.7	309.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 20 ERL H= 16 29 59.1 LAT = 34.9 N LONG= 140.9 E DEPTH= 20 KM MAGNITUDE= 5.0 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	-E Z BE	P	16 42 33.8	0.7	1.28	4	9420	84.7	39.4	329.9
JAN 20 ERL H= 16 55 13.8 LAT = 34.9 N LONG= 140.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	17 07 52.7			1	9420	84.7	39.5	329.9
JAN 21 ERL H= 04 42 43.4 LAT = 29.3 N LONG= 68.6 E DEPTH= 20 KM MAGNITUDE= 5.3 WEST PAKISTAN										
GRF	E Z BE	P	04 51 19.-			2	5280	47.5	93.3	312.1
JAN 21 ERL H= 10 37 39.8 LAT = 15.9 S LONG= 174.0 W DEPTH= 87 KM MAGNITUDE= 4.3 TONGA ISLANDS										
GRF	E Z BE	PKP	10 57 13.-			2	16240	146.1	9.1	353.9
JAN 21 ERL H= 20 20 49.3 LAT = 15.9 S LONG= 174.1 W DEPTH=129 KM MAGNITUDE= 5.5 TONGA ISLANDS										
BNS	-I Z FS	PKP	20 40 11.9	0.7	1.85		16120	145.0	2.1	358.6
GRF	-E Z BE	PKP	20 40 15.3	1.1	1.95	2	16230	146.0	9.1	353.9
STU	E Z BE	PKP	20 40 17.8	1.0	2.19	2	16350	147.1	5.8	356.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	-E Z GT	PKP	20 40 18.8				16370	147.2	4.1	357.2
FUR	+I Z SL	PKP1	20 40 20.-	1.4	1.79	3	16400	147.5	9.6	353.4
	+I Z SL	PKHKP	20 40 23.-	1.3	2.09	2				
	-I Z SL	PKP2	20 40 27.-	1.5	1.54	2				
	-I Z SL	APKP	20 41 03.-	1.5	1.54	2				

JAN 22 ERL
H= 00 37 58.0
LAT = 18.6 N
LONG= 105.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.6
OFF COAST OF JALISCO, MEXICO

HLG	Z SL	P	00 50 52.8			2	9750	87.7	299.0	32.8
BNS	+I Z FS	P	00 50 53.0	1.8	2.15		9880	88.9	298.5	35.9
	+I Z FS	PP	00 54 20.3							
	E Z SL	PS	01 02 50.-							
	E Z SL	LR	01 20 04.-	52.0						
	Z SL	-	01 31 10.-	18.0						
BUH	E Z GT	P	00 51 00.0				10070	90.6	299.3	37.5
GRF	E Z BE	P	00 51 04.-			1	10200	91.8	301.6	35.7
HOF	+I Z SL	P	00 51 11.-	2.5	2.62	1	10210	91.8	302.2	34.9
	+I Z SL	PP	00 54 46.-	5.0	3.52	9				
	-I Z SL	APP	00 55 01.-	4.0	3.10	9				
	Z SL	PM	01 33 00.-	18.0	4.77					
FUR	-I Z SL	P	00 51 12.-	1.5	1.54	2	10300	92.6	301.6	36.9
	-I Z SL	-	00 51 15.-	1.8	2.26	4				
	+I Z SL	APCP	00 51 18.-	1.8	2.54	3				
	+I Z SL	AP	00 51 23.-	1.9	2.52	6				
	+I Z SL	PP	00 54 52.-	2.0	2.33	6				
	-I Z SL	PPP	00 56 56.-	2.0	2.21	3				
	Z SL	PM	01 27 00.-	32.0	4.17					

JAN 22 ERL
H= 00 49 30.9
LAT = 18.6 N
LONG= 104.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
NEAR COAST OF JALISCO, MEXICO

BUH	E Z GT	P	00 54 27.0				10070	90.6	299.3	37.6

JAN 22
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	03 20 38.5							
	E Z GT	PN	03 20 45.2							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JAN 22 ERL
H= 13 36 57.8
LAT = 21.7 S
LONG= 179.0 W
DEPTH=570 KM
MAGNITUDE= 5.2
FIJI ISLANDS REGION

BNS	E Z FS	PKP	13 55 45.2				16720	150.3	11.7	352.1
GRF	-I Z BE	PKP	13 55 47.4	0.9	1.62	6	16780	150.9	19.9	346.3
	E Z BE	APKP	13 58 02.6			2				
BUH	E Z GT	PKP	13 55 50.7				16950	152.4	14.7	349.6

JAN 22
NO DETERMINATION OF EPICENTER

BNS	I Z FS	-	15 27 23.4							
	I Z FS	-	15 27 28.0							

JAN 22 ERL
H= 23 45 36.7
LAT = 6.0 S
LONG= 149.7 E
DEPTH= 72 KM
MAGNITUDE= 5.2
NEW BRITAIN REGION

GRF	E Z BE	PKP	00 04 32.4			1	13810	124.2	52.9	328.6

JAN 23 ERL
H= 04 49 45.7
LAT = 12.1 S
LONG= 166.5 E
DEPTH= 97 KM
MAGNITUDE= 5.8
SANTA CRUZ ISLANDS

HOF	+E Z SL	PKP1	05 08 59.-	3.0	2.87	7	15190	136.6	37.6	336.4
	-I Z SL	-	05 09 03.-	4.0	3.52	5				
	-I Z SL	APKP	05 09 23.-	3.0	2.93	3				
	+I Z SL	PP	05 11 45.-	3.0	3.02	9				
GRF	E Z BE	PKIKP	05 08 52.2			2	15270	137.3	37.1	336.4
	-I Z BE	PKHKP	05 09 01.9			4				
	E Z BE	APP	05 11 49.4			3				
	E Z BE	SKP	05 12 23.9			2				
	E Z BE	SKKKS	05 20 04.0			1				
	E Z BE	-	05 20 50.9			1				
BNS	+E Z SL	PKP	05 08 02.-				15310	137.7	30.9	340.6
	E Z FS	-	05 09 02.-	3.5	2.76					
	+I Z FS	PP	05 11 49.0							
	E Z SL	-	05 24 20.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	E Z SL	LR	05 54 36.-	54.0					
	Z SL	-	05 59 00.-	36.0					
FUR	-I Z SL	PKP1	05 09 06.-	2.0	2.18	6	15400	138.5	38.2 334.9
BUH	E Z GT	PKP	05 08 57.5				15490	139.3	33.7 337.9

JAN 23 ERL
H= 11 31 48.3
LAT = 40.4 N
LONG= 91.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTHERN SINKIANG PROV., CHINA

GRF	E Z BE	P	11 41 16.7			2	6070	54.6	67.2 308.4

JAN 23 ERL
H= 11 46 42.6
LAT = 34.3 N
LONG= 25.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
CRETE

JAN 23 BCS
H= 11 46 46.0
LAT = 34.3 N
LONG= 25.1 E
CRETE

FUR	+I Z SL	P	11 50 45.-	1.5	1.66	1	1920	17.3	138.3 327.5
	+I Z SL	AP	11 50 53.-	1.7	2.06	2			
	+I Z SL	PP	11 50 58.-	1.5	1.73	2			
	+I Z SL	-	11 51 02.-	1.8	2.04	6			
	+I Z SL	-	11 51 21.-	1.3	1.79	3			
GRF	E Z BE	P	11 50 57.0	0.9	1.36	2	2050	18.4	141.3 330.6
BUH	E Z GT	P	11 51 04.0				2120	19.0	132.7 324.0

JAN 23
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	12 38 54.8			2
	E N BE	SG	12 39 10.9			2

JAN 23
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	I Z FS	PG	15 37 37.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	I Z FS	-	15 37 37.5	0.4	2.00				

JAN 24
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PG	02 46 55.4						

JAN 24 ERL
H= 03 20 20.2
LAT = 41.0 N
LONG= 82.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
SOUTHERN SINKIANG PROV., CHINA

GRF	E Z BE	P	03 29 05.5			3	5440	48.9	71.7 305.5
FUR	-I Z SL	P	03 29 08.-	1.7	1.86	9	5490	49.4	70.5 303.6

JAN 24
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PN	07 59 52.4			2
	+I Z BE	PG	07 59 56.2			6
	E N BE	SG	08 00 24.8			4
FUR	-I Z SL	-	08 01 06.-	1.8	1.95	2

JAN 24 ERL
H= 10 24 14.4
LAT = 37.4 N
LONG= 142.1 E
DEPTH= 57 KM
MAGNITUDE= 4.1
OFF EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	10 36 35.4			2	9230	83.0	37.4 330.3

JAN 24
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 55 01.9			1
	E N BE	SG	11 55 28.4			2

JAN 24
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST SUPPOSED.

BNS	E N X	SG	20 53 43.-						
	E Z FS	-	20 53 58.-						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 25										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
BUH	-I Z GT	PN	10 44 17.3							
FUR	+I Z SL	-	10 45 32.-	1.3	2.00	2				
JAN 25										
NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	11 12 25.-	1.5	1.62	2				
JAN 25										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	12 50 01.5			1				
	E N BE	SG	12 50 28.8			3				
JAN 25 ERL										
H= 13 32 27.4										
LAT = 54.6 N										
LONG= 161.6 E										
DEPTH= 31 KM										
MAGNITUDE= 5.3										
NEAR EAST COAST OF KAMCHATKA										
BNS	+I Z FS	P	18 43 53.3	1.2	1.48		8080	72.7	15.3	343.4
GRF	+I Z BE	P	18 43 57.1	0.8	1.95	8	8140	73.2	17.5	340.4
STU	+E Z BE	P	18 44 03.5	1.0	1.86	4	8280	74.4	16.3	341.5
FUR	+I Z SL	P	18 44 05.-	1.5	1.76	9	8300	74.6	17.4	339.9
	+I Z SL	AP	18 44 12.-	1.7	1.91	2				
	-I Z SL	XP	18 44 16.-	1.5	1.49	8				
BUH	+E Z GT	P	18 44 00.4				8310	74.7	15.7	342.1
JAN 26 ERL										
H= 07 50 12.8										
LAT = 35.8 N										
LONG= 22.1 E										
DEPTH= 58 KM										
MAGNITUDE= 4.7										
MEDITERRANEAN SEA										
JAN 26 BCS										
H= 07 50 14.0										
LAT = 35.7 N										
LONG= 22.2 E										
MEDITERRANEAN SEA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+E Z SL	P	07 53 41.-	1.3	1.66	3	1640	14.7	143.0	330.3
	-I Z SL	PP	07 53 54.-	1.5	1.70	2				
	+I Z SL	PPP	07 54 03.-	1.5	1.59	2				
	-I Z SL	S	07 56 17.-	1.5	1.62	2				
	-I Z SL	SSS	07 56 49.-	1.5	1.70	1				
GRF	+E Z BE	P	07 53 57.5			3	1780	16.0	146.1	333.6
	E N BE	S	07 56 36.1			2				
BUH	E Z GT	P	07 54 04.0				1820	16.4	136.4	325.8
JAN 26										
NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	10 59 01.2							
JAN 26 ERL										
H= 13 05 16.8										
LAT = 17.5 S										
LONG= 173.0 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.2										
TONGA ISLANDS										
BNS	+E Z FS	PKP	13 24 58.0	1.3	1.70		16310	146.6	0.4	359.3
HOF	-E Z SL	PKP1	13 25 00.-	2.0	2.35	7	16350	147.1	8.6	354.2
GRF	E Z BE	PKP	13 25 01.8			2	16430	147.7	7.6	354.8
BUH	E Z GT	PKP	13 25 04.0				16560	148.9	2.3	358.4
FUR	+I Z SL	PKP1	13 25 05.-	1.5	1.59	5	16590	149.2	8.1	354.3
	-I Z SL	PKHKP	13 25 09.-	1.3	1.93	2				
	+E Z SL	PKP2	13 25 17.-	2.0	2.14	4				
JAN 26 ERL										
H= 13 07 07.1										
LAT = 1.2 S										
LONG= 67.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
CARLSBERG RIDGE										
FUR	-I Z SL	P	13 18 12.-	2.0	2.18	2	7670	69.0	117.3	323.5
	-I Z SL	PCP	13 18 32.-	1.8	2.00	9				
GRF	E Z BE	P	13 18 14.2			2	7760	69.8	117.7	324.9
BUH	E Z GT	P	13 18 27.0				7900	71.1	114.9	323.0
JAN 26										
NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	20 38 37.1							
JAN 27 ERL H= 04 04 41.6 LAT = 50.4 N LONG= 156.8 E DEPTH= 47 KM MAGNITUDE= 5.2 KURIL ISLANDS										
GRF	E Z BE	P	04 16 25.2			2	8460	76.0	21.9	337.8
JAN 27 ERL H= 04 38 44.3 LAT = 35.0 N LONG= 140.9 E DEPTH= 44 KM MAGNITUDE= 4.3 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	04 51 27.0			1	9410	84.6	33.4	329.8
JAN 27 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	10 35 00.4							
JAN 27 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E N X	SG	11 24 48.-							
	E Z FS	-	11 24 57.-							
JAN 27 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	13 30 26.4							
GRF	E Z BE	PG	13 30 53.4			1				
	E N BE	SG	13 31 56.7			2				
JAN 27 ERL H= 20 38 00.3 LAT = 17.5 S LONG= 172.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 TONGA ISLANDS REGION										
BNS	+I Z FS	PKP	20 57 40.3	1.8	2.08		16300	146.6	0.0	360.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	+I Z SL	PKP1	20 57 44.-	3.0	2.90	9	16350	147.1	8.3	354.4
	-E Z SL	APKP	20 57 53.-	1.5	1.99	4				
	+E Z SL	XPKP	20 58 00.-	2.0	2.21	5				
GRF	E Z BE	PKP	20 57 44.2	1.2	1.81	1	16430	147.7	7.3	355.0
BUH	+E Z GT	PKP	20 57 48.2				16560	148.9	2.0	358.6
FUR	-I Z SL	PKP1	20 57 50.-	1.8	2.00	2	16600	149.2	7.7	354.6
	+I Z SL	PKHKP	20 57 53.-	1.3	2.00	3				
	-I Z SL	PKP2	20 58 00.-	1.7	2.09	2				
JAN 28 ERL H= 08 17 25.4 LAT = 19.7 S LONG= 178.0 W DEPTH=413 KM MAGNITUDE= 4.6 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	08 36 27.1	0.3	1.12	1	16590	149.2	17.1	348.3
JAN 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	12 30 02.9			1				
	E N BE	SG	12 31 05.4			1				
JAN 28 ERL H= 14 18 03.1 LAT = 16.5 S LONG= 173.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 TONGA ISLANDS										
BNS	+I Z FS	PKP	14 37 40.1	1.2	1.95		16190	145.6	1.6	358.9
	I Z FS	-	14 37 57.5							
GRF	E Z BE	PKP	14 37 43.5			2	16310	146.7	8.7	354.1
	E Z BE	-	14 38 01.4			3				
BUH	E Z GT	PKP	14 37 46.3				16440	147.9	3.6	357.5
JAN 28 ERL H= 17 01 46.3 LAT = 41.8 N LONG= 141.1 E DEPTH= 33 KM MAGNITUDE= 5.1 HOKKAIDO, JAPAN REGION										
GRF	-E Z BE	P	17 13 41.2	0.7	1.09	3	8760	78.8	35.8	329.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
JAN 28 ERL H= 17 34 42.1 LAT = 19.3 S LONG= 175.9 W DEPTH=236 KM MAGNITUDE= 5.0 TONGA ISLANDS									
BNS	E Z FS	PKP	17 55 05.0	2.0	1.78		16490	148.3	5.6 356.3
GRF	E Z BE	PKP	17 54 04.0			2	16580	143.1	13.3 350.3
	I Z BE	-	17 54 09.0			3			
	E Z BE	APKP	17 55 04.5			2			
BUH	-E Z GT	PKP	17 54 07.0				16730	150.5	8.0 354.4
FUR	+I Z SL	PKP1	17 54 08.-	1.8	2.18	3	16750	150.6	14.0 350.1
	+I Z SL	PKHKP	17 54 16.-	1.5	1.62	2			
	+I Z SL	APKP	17 55 12.-	1.5	1.43	2			
JAN 28 ERL H= 17 43 14.6 LAT = 19.8 S LONG= 169.0 E DEPTH= 72 KM MAGNITUDE= 5.7 NEW HEBRIDES ISLANDS									
HLG	+ Z SL	PKP	18 02 37.-			1	15880	142.8	30.2 341.7
HOF	+I Z SL	PKP1	18 02 44.-	3.0	3.74	9	16030	144.6	39.1 334.5
	+I Z SL	APKP	18 02 57.-	2.0	3.35	9			
	+I Z SL	XPKP	18 03 09.-	2.0	2.74	2			
	-I Z SL	PP	18 06 04.-	2.0	2.68	3			
	-I Z SL	PKS	18 06 17.-	2.0	2.68	9			
	-I Z SL	-	18 06 40.-	2.0	2.51	9			
GRF	E Z BE	PKP	18 02 45.7	1.3	2.87	4	16160	145.4	38.7 334.4
BNS	+I Z FS	PKP	18 02 46.6	1.5	2.84		16210	145.8	31.4 339.5
	+I Z FS	-	18 02 48.-	7.0					
	I Z FS	-	18 03 01.0	2.0	3.04				
	E Z SL	LR	18 52 00.-	54.0					
	Z SL	-	19 07 00.-	20.0					
TNS	1E Z X	PKP1	18 02 50.0				16230	146.0	34.0 337.6
	1E Z X	PKHKP	18 03 02.5						
FUR	+I Z SL	PKP1	18 02 47.-	1.8	2.52	7	16290	146.5	40.2 332.7
	-I Z SL	PP	18 06 22.-	1.7	2.03	6			
STU	+E Z BE	PKP	18 02 48.0	1.5	2.33	4	16330	146.9	36.4 335.3
	+I Z BE	-	18 02 51.0	1.4	3.23	4			
KRL	+E Z ST	PKP	18 02 48.6	1.4		2	16350	147.0	35.0 336.3
BUH	+E Z GT	PKP	18 02 48.6				16380	147.3	35.0 336.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	+I Z GT	PKP	18 02 52.0						
JAN 28 NO DETERMINATION OF EPICENTER									
GRF	E Z JM	PN	21 55 47.9			2			
	I Z JM	PG	21 55 49.6			5			
	E N BE	SG	21 56 13.2			3			
BUH	E Z GT	PN	21 56 16.3						
JAN 29 NO DETERMINATION OF EPICENTER									
BUH	I Z GT	PN	03 22 34.3						
JAN 29 NO DETERMINATION OF EPICENTER									
FUR	+E Z SL	-	06 04 57.-	1.5	1.43	2			
	-E Z SL	-	06 07 37.-	1.5	1.43	7			
JAN 29 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.									
BNS	I Z FS	PG	12 51 03.4						
	E N X	SG	12 51 08.0						
	E Z FS	-	12 51 10.5	0.8	2.08				
JAN 29 ERL H= 14 26 15.7 LAT = 21.9 S LONG= 174.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 TONGA ISLANDS									
BNS	+I Z FS	PKP	14 46 06.9	1.5	1.70		16780	150.9	4.0 357.2
GRF	E Z BE	PKP	14 46 09.2			1	16880	151.8	12.2 351.5
	E Z BE	-	14 46 18.5			3			
BUH	E Z GT	PKP	14 46 11.8				17030	153.2	6.5 355.3
FUR	-E Z SL	PKHKP	14 46 12.-	1.8	1.95	2	17050	153.3	12.9 350.7
	+I Z SL	PKP2	14 46 29.-	2.3	2.22	1			
JAN 29 NO DETERMINATION OF EPICENTER									

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	14 34 43.0							

JAN 29
NO DETERMINATION OF EPICENTER

BUH	+E Z GT	P	21 14 06.2							

JAN 30 ERL
H= 02 36 11.6
LAT = 37.0 N
LONG= 3.6 W
DEPTH=634 KM
MAGNITUDE= 4.0
SPAIN

JAN 30 BCS
H= 02 36 13.0
LAT = 37.0 N
LONG= 3.6 W
DEPTH=631 KM
SPAIN

NOS= BELIEVED TO BE THE FIRST DEEP-FOCUS HYPOCENTER COMPUTED IN THIS AREA, SINCE THE MAGNITUDE 7 EVENT OF MARCH 29, 1954.

GRF	-E Z BE	P	02 39 33.5	0.6	1.25	2	1850	16.6	225.8	35.6

JAN 30
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 57 41.5			2				

JAN 30
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	10 56 44.6			1				
	E N BE	SG	10 57 06.0			2				

JAN 30
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	12 00 57.2			2				
	E Z JM	PG	12 00 58.5			4				
	E E BE	SG	12 01 23.8			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JAN 30 ERL
H= 21 01 12.5
LAT = 18.5 N
LONG= 103.0 W
DEPTH= 43 KM
MAGNITUDE= 6.2
NEAR COAST OF MICHOACAN, MEXICO

NOS= 17 KILLED IN COLIMA, GOMEZ FARIAS AND TECOMAN AREAS, 330 REPORTED INJURED. HEAVY DAMAGE IN THE STATES OF COLIMA, MICHOACAN AND JALISCO. FELT AT MEXICO CITY AND ABOARD THE SHIP 4-8 ≠JESPER MAERSKI≠ AT POSITION 18 DEG. 31.0 MIN. N, 104 DEG. 02.5 MIN. W. MAG. 7.3 (PAS), 7.7 (BRK).

HLG	+ Z SL	P	21 13 53.4			3	9650	86.8	297.4	33.4
	Z SL	PP	21 17 50.-							
BOC	+E Z B4	P	21 14 04.7	6.0	4.52	4	9750	87.7	297.0	36.0
	E B4	MAXIMUM	22 00 12.7	14.0	5.37					
BNS	+I Z FS	P	21 13 59.2	2.9	3.37		9770	87.9	296.9	36.4
	+I Z SL	-	21 14 00.-							
	E Z SL	PP	21 17 36.-							
	E N X	S	21 24 57.-	5.5	3.67					
	E Z SL	SS	21 30 25.-	56.0						
	E Z SL	LR	21 42 44.-	64.0						
	Z SL	-	21 44 00.-	53.0						
	Z SL	-	21 56 00.-	18.0						
KRL	+E Z ST	-	21 14 07.0	2.4		2	9950	89.5	297.9	37.8
	+E Z ST	-	21 24 02.0	4.0		2				
	+E Z ST	-	21 26 41.0	8.4		2				
STU	+E Z BE	P	21 14 08.8	1.0	2.24	2	10010	90.1	298.5	37.8
BRN	-E Z ET	P	21 14 17.-			2	10060	90.4	301.6	33.3
GRF	+E Z BE	P	21 14 13.1	2.1	2.50	6	10090	90.8	300.0	36.3
	E Z BE	PKKP	21 31 56.6			4				
	E Z BE	PKPPKP	21 39 56.2			2				
HOF	-E Z SL	P	21 14 15.-	2.0	2.91	5	10100	90.8	300.6	35.6
	Z SL	RM	22 02 30.-	14.0	5.63					
FUR	+I Z SL	P	21 14 17.-	2.0	2.24	5	10180	91.6	300.1	37.6
	Z SL	RM	22 02 00.-	19.0	5.53					

JAN 30 ERL
H= 22 47 12.3
LAT = 41.1 N
LONG= 20.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 3.8
ALBANIA

FUR	+E Z SL	-	22 52 35.-	1.5	1.36	1	1060	9.5	135.2	321.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 31 NO DETERMINATION OF EPICENTER										
FUR	-I Z SL	-	10 14 30.-	1.5	1.70	3				
JAN 31 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	20 06 52.8							
JAN 31 ERL H= 20 55 53.1 LAT = 28.2 N LONG= 139.2 E DEPTH=498 KM MAGNITUDE= 6.0 BONIN ISLANDS REGION										
BRN	-I Z ET	P	21 07 47.2			7	9670	86.9	45.6	330.3
	-I Z ET	AP	21 09 41.4			3				
	+I Z ET	PP	21 11 20.8			2				
	+I Z ET	PS	21 18 46.0			2				
HLG	+ Z X	P	21 07 48.-	2.0	2.73	2	9770	87.8	41.5	333.8
	+ Z X	AP	21 09 39.6							
	+I Z SL	S	21 18 54.6			4				
HOF	-E Z SL	P	21 07 56.-	3.0	3.57	9	9900	89.0	44.6	329.4
	-E Z SL	AP	21 09 51.-	7.0	3.63	9				
	+E Z SL	PP	21 11 30.-	3.0	2.72	2				
	+I Z SL	APP	21 13 17.-	3.0	3.12	9				
	+I Z SL	SP	21 19 07.-	3.0	3.50	5				
	Z SL	RM	21 54 20.-	13.0	4.47					
GRF	+E Z BE	P	21 07 58.4			5	9980	89.7	44.1	329.2
	+I Z BE	-	21 08 01.2			9				
	E Z BE	AP	21 09 54.8			2				
	E Z BE	SP	21 19 13.0			2				
BNS	+E Z FS	P	21 08 01.8				10070	90.6	40.9	332.0
	+I Z FS	-	21 08 04.0	2.1	2.57					
	E Z FS	-	21 08 42.3							
	E Z FS	AP	21 09 56.8							
	I Z FS	-	21 11 47.8							
	I Z SL	SKS	21 18 08.-							
	E Z FS	-	21 13 14.8							
	E Z SL	LP	21 44 20.-							
	Z SL	-	21 56 30.-	18.0						
TNS	Z X	P	21 08 07.5			3	10070	90.6	41.9	330.9
	Z X	PP	21 11 50.5			3				
FUP	+I Z SL	P	21 08 03.-	1.0	2.62	9	10100	90.8	44.1	328.1
	+I Z SL	XP	21 10 02.-	1.5	2.06	5				
	N SL	RM	21 55 00.-	24.0	4.63					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
STU	E Z BE	P	21 08 05.0	1.0	2.70	3	10150	91.3	42.5	329.6
	+I N SL	S	21 18 16.8	26.0	4.21	9				
KRL	-I Z WH	P	21 08 09.8	2.4		6	10170	91.5	41.9	330.1
	+E N ST	-	21 08 11.5	2.5		2				
BUH	+E Z GT	P	21 08 07.2				10210	91.8	41.8	330.0
FEB 01 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	03 01 06.5			2				
FEB 01 ERL H= 05 14 20.6 LAT = 22.7 S LONG= 66.2 W DEPTH=229 KM MAGNITUDE= 6.1 JUJUY PROVINCE,ARGENTINA										
BUH	+E Z GT	P	05 27 26.9				10790	97.0	243.7	40.0
BNS	+I Z FS	P	05 27 29.5	2.2	2.40		10840	97.4	243.2	37.7
	E Z FS	PP	05 31 29.5							
STU	E Z BE	P	05 27 30.0	1.0	2.27	2	10860	97.6	244.4	40.2
	+E Z SL	S	05 37 48.0	18.0	3.61	6				
FUR	+I Z SL	P	05 27 35.-	1.5	2.38	9	10970	98.6	245.8	41.4
	+I Z SL	-	05 28 30.-	1.2	2.15	1				
	-I Z SL	-	05 29 04.-	2.0	2.40	4				
	+I Z SL	PP	05 31 34.-	1.5	1.76	3				
GRF	+E Z BE	P	05 27 37.8			5	11040	99.2	246.0	40.0
	E Z BE	AP	05 28 37.0			2				
	E Z BE	PP	05 31 36.4			2				
HOF	+E Z SL	P	05 27 41.-	2.0	3.05	7	11110	99.9	246.6	39.5
HAM	E Z SX	P	05 27 43.-			7	11130	100.0	245.6	36.1
	E Z SX	PP	05 31 47.-			5				
FEB 01 ERL H= 07 27 44.8 LAT = 17.7 S LONG= 175.2 W DEPTH=232 KM MAGNITUDE= 5.3 TONGA ISLANDS										
HAM	E Z SX	PKP	07 46 53.-			5	16020	144.1	8.3	354.8
BNS	-I Z FS	PKP	07 47 01.0	3.2	2.91		16320	146.8	4.1	357.3
	-I Z SL	-	07 47 01.-	10.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	I Z FS	-	07 48 01.-	2.8	2.73					
	E Z FS	-	07 50 30.-							
HOF	-I Z SL	PKP1	07 47 02.-	3.0	3.63	9	16340	147.0	12.4	351.7
	-I Z SL	APKP	07 48 05.-	3.0	3.46	7				
	-I Z SL	XPKP	07 48 34.-	3.0	2.90	5				
	+E Z SL	PP	07 50 29.-	2.0	2.41	2				
GRF	E Z BE	PKP	07 46 59.4			1	16420	147.7	11.4	352.2
	I Z BE	-	07 47 03.9			4				
	E Z BE	-	07 47 49.0			3				
	E Z BE	APKP	07 48 04.0			4				
FUR	+I Z SL	PKP1	07 47 04.-	2.6	2.57	2	16590	149.2	12.0	351.6
	-I Z SL	PKHKP	07 47 07.-	2.0	2.86	9				
	+I Z SL	PKP2	07 47 12.-	1.9	2.65	9				
	+I Z SL	APKP	07 48 12.-	3.0	3.11	8				
	+I Z SL	XPKP	07 48 33.-	1.5	1.73	3				

FEB 01 ERL
H= 08 11 53.4
LAT = 25.4 S
LONG= 176.1 W
DEPTH= 50 KM
MAGNITUDE= 4.9
SOUTH OF FIJI ISLANDS

GPF	E Z BE	PKP	08 32 11.7			1	17240	155.0	15.9	348.6

FEB 01 ERL
H= 17 24 00.9
LAT = 51.8 N
LONG= 176.3 E
DEPTH= 51 KM
MAGNITUDE= 5.3
RAT ISLANDS, ALEUTIAN ISLANDS

BNS	+I Z FS	P	17 35 51.2	1.8	1.85		8590	77.2	6.9	352.9
	E Z SL	LR	18 01 00.-							
	Z SL	-	18 07 00.-	22.0						
GRF	+E Z BE	P	17 35 56.8	0.8	1.55	5	8680	78.1	9.4	350.1
STU	+E Z BE	P	17 36 02.2	0.7	1.66	2	8810	79.2	8.1	351.3
FUR	+I Z SL	P	17 36 04.-	1.5	1.84	4	8850	79.6	9.4	349.8
	-I Z SL	XP	17 36 34.-	1.3	2.00	3				

FEB 02 ERL
H= 10 15 02.1
LAT = 7.7 N
LONG= 59.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
CARLSBERG RIDGE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	10 24 53.0			2	6460	58.1	119.2	325.1

FEB 02
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	11 16 34.-							
	E Z FS	-	11 16 39.-							

FEB 02
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	20 29 54.5							
	E Z FS	-	20 31 02.-							

FEB 03 ERL
H= 14 36 16.3
LAT = 7.4 S
LONG= 68.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
CHAGOS ARCHIPELAGO REGION

GRF	E Z BE	P	14 48 02.2			1	8410	75.6	120.2	325.5

FEB 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	22 36 22.4							

FEB 05 ERL
H= 04 30 33.1
LAT = 43.9 N
LONG= 147.5 E
DEPTH= 53 KM
MAGNITUDE= 5.3
KURIL ISLANDS

GPF	+E Z BE	P	04 42 35.3	0.6	1.53	3	8810	79.2	30.6	332.8
BNS	E Z FS	P	04 42 36.0	1.3	1.30		8830	79.4	28.0	335.7
FUR	-I Z SL	P	04 42 43.-	1.5	1.59	5	8960	80.5	30.5	332.0
	+I Z SL	APCP	04 43 02.-	1.6	1.60	8				
STU	+E Z BE	P	04 42 42.5	0.8	1.61	2	8980	80.7	29.2	333.5
BUH	+E Z GT	P	04 42 44.5				9020	81.1	28.5	334.0

FEB 05
NO DETERMINATION OF EPICENTER

BNS= H= 08 30 14, 50 DEG. 58 MIN. N, 6 DEG. 38 MIN. E, DEPTH= 1 KM,

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MLOC= 2.0 (BNS). SHOCK CAUSED BY MINING. FELT IN THE LIGNITE QUARRY
≠FORTUNA≠ NEAR BERGHEIM, 20 KM NW OF COLOGNE, MACROSEISMIC.

BNS	E Z FS	PG	08 30 20.5							
	E N X	SG	08 30 24.8	0.7	2.11					
	E E X	-	08 30 25.0	0.7	2.11					
	E Z FS	-	08 30 42.-							
	E X	-	08 30 48.-	1.8	2.32					

FEB 05
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	13 17 52.2							

FEB 05
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	16 53 56.7			1				
	E N BE	S	16 55 10.8			1				

FEB 05 ERL
H= 23 30 48.6
LAT = 42.9 N
LONG= 82.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
NORTHERN SINKIANG PROV., CHINA

GRF	E Z BE	P	23 39 24.8			1	5310	47.8	69.7	304.0
	E Z BE	-	23 39 31.2			1				

FEB 06 ERL
H= 05 30 02.0
LAT = 27.9 N
LONG= 127.7 E
DEPTH= 81 KM
MAGNITUDE= 5.7
RYUKYU ISLANDS

GRF	E Z BE	P	05 42 27.2	1.0	1.96	3	9390	84.4	52.8	324.3
STU	E Z BE	P	05 42 35.0	0.8	1.83	3	9570	86.0	51.3	324.3
BUH	E Z GT	P	05 42 37.6				9630	86.6	50.5	324.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

FEB 06 ERL
H= 10 37 10.1
LAT = 31.4 N
LONG= 100.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 6.1
SZECHWAN PROVINCE, CHINA

NOS= UNSPECIFIED CASUALTIES AND DAMAGE REPORTED.

HOF	-E Z SL	P	10 47 56.-	5.0	3.72	9	7310	65.8	69.6	315.3
	Z SL	RM	11 18 40.-	23.0	6.33					
HAM	E Z SX	P	10 47 58.-			3	7320	65.8	69.6	319.0
GRF	+E Z BE	P	10 47 58.0			4	7330	66.4	68.9	314.9
	+E Z BE	-	10 47 59.7			6				
	-E Z BE	-	10 48 01.3			9				
	-I Z BE	-	10 48 04.7			9				
	-I Z BE	-	10 48 08.5			3				
HLG	+ Z SL	P	10 48 14.-			3	7420	66.7	68.5	320.3
	+ Z SL	S	10 57 04.-							
FUR	+I Z SL	P	10 48 04.-	1.3	2.27	8	7440	66.9	68.4	313.3
	Z SL	RM	11 19 00.-	16.0	5.69					
TNS	1I Z SL	P	10 48 22.0			9	7550	67.9	67.3	316.1
	2I Z SL	PCP	10 48 56.0			8				
	1I Z SL	PP	10 50 47.5			8				
	1I Z SL	PPP	10 52 28.5			8				
STU	E Z BE	P	10 48 06.5	1.2	1.43	2	7560	68.0	67.2	314.5
	+I N SL	S	10 57 14.0	30.0	4.87	9				
BOC	+E Z B4	P	10 48 13.9	2.0	3.48	2	7570	68.1	66.9	317.7
	+I Z B4	PPP	10 52 30.0	6.0	4.60	2				
	E B4	MAXIMUM	11 20 37.0	14.0	5.91					
BNS	E Z FS	P	10 48 12.8	2.5	2.89		7600	68.3	66.7	317.2
	-E Z SL	-	10 48 13.-	6.0						
	+I Z SL	S	10 57 25.-							
	I Z SL	SS	11 02 24.-							
	I Z SL	SSS	11 05 26.-							
	E Z SL	LR	11 10 42.-	53.0						
	N X	-	11 15 10.-	17.0	5.66					
	Z SL	-	11 17 00.-	25.0						
KRL	+E Z ST	P	10 48 11.7	1.0		2	7600	68.4	66.8	314.9
	-I N MH	-	10 57 27.4	1.5		9				
BUH	E Z GT	P	10 48 11.5				7630	68.6	66.6	314.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 06 ERL H= 17 11 03.3 LAT = 31.7 N LONG= 100.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 SZECHWAN PROVINCE, CHINA										
GRF	E Z BE	P	17 21 48.5			1	7320	65.8	69.1	314.6
FEB 07 ERL H= 02 08 16.9 LAT = 17.6 S LONG= 172.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 TONGA ISLANDS REGION										
BNS	E Z FS	PKP	02 27 57.0	?.0	2.04					
	E Z FS	-	02 28 08.0				16310	146.7	359.8	0.1
GRF	E Z BE	PKP	02 28 00.4			2	16440	147.8	7.0	355.2
BUH	E Z GT	PKP	02 28 02.8				16570	149.0	1.7	358.3
FUR	+I Z SL	PKP1	02 28 07.-	1.8	2.26	4				
	+I Z SL	APKP	02 28 23.-	1.7	2.06	5	16600	149.3	7.4	354.8
	+I Z SL	-	02 28 33.-	2.0	2.18	4				
FEB 07 ERL H= 04 00 35.4 LAT = 43.0 N LONG= 17.8 E DEPTH= 33 KM (NORMAL) YUGOSLAVIA										
FEB 07 BCS H= 04 00 36.0 LAT = 43.0 N LONG= 17.9 E YUGOSLAVIA										
NOS= FELT ON BRAC.										
FUR	+I Z SL	PB	04 02 39.-	2.0	1.88	1				
	+I Z SL	PG	04 03 11.-	1.3	1.66	6	770	6.9	136.3	320.9
	+I Z SL	SN	04 03 45.-	1.5	1.49	3				
	-I Z SL	SB	04 04 03.-	1.5	1.73	5				
	-I Z SL	SG	04 04 21.-	1.3	2.00	9				
	Z SL	MAXIMUM	04 04 55.-	1.5	1.79					
GRF	E Z BE	P	04 02 33.3							
	E N BE	S	04 04 03.0			1	900	8.1	143.5	328.3
						2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PN	04 02 44.0				970	8.7	127.0	313.8
FEB 07 ERL H= 05 27 20.0 LAT = 32.0 N LONG= 49.4 E DEPTH= 51 KM MAGNITUDE= 5.? WESTERN IRAN										
NOS= FELT IN MASJED SOLAIMAN AREA.										
FUR	-I Z SL	P	05 33 52.-	1.8	2.30	5	3660	32.9	105.2	310.5
	+I Z SL	AP	05 33 57.-	1.0	2.58	3				
	+I Z SL	XP	05 34 04.-	1.5	1.76	3				
GRF	+E Z BE	P	05 33 55.0	0.8	1.71	3	3710	33.4	107.4	313.1
	E Z BE	-	05 36 36.5			2				
FEB 07 ERL H= 09 47 18.7 LAT = 71.6 N LONG= 6.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 JAN MAYEN ISLAND REGION										
GRF	E Z BE	P	09 52 26.5			1	2610	23.5	345.6	149.5
FEB 07 ERL H= 09 51 17.6 LAT = 6.4 N LONG= 126.8 E DEPTH=207 KM MAGNITUDE= 5.3 MINDANAO, PHILIPPINE ISLANDS										
GRF	E Z BE	PP	10 08 52.5			1	11250	101.2	66.0	323.3
FEB 07 ERL H= 16 06 25.0 LAT = 31.5 N LONG= 100.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.8 SZECHWAN PROVINCE, CHINA										
NOS= FELT.										
HOF	-I Z SL	P	16 17 09.-	2.0	2.94	9	7290	65.6	69.8	315.3
HAM	E Z SX	P	16 17 09.-			4	7290	65.6	69.8	319.0
GRF	-I Z BE	P	16 17 12.2	1.2	2.52	9	7360	66.2	69.1	314.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-I Z SL	P	16 17 15.-	1.5	2.61	9	7420	66.7	68.5	313.2
	-I Z SL	PP	16 19 47.-	3.0	2.65	2				
	-I Z SL	PPP	16 21 18.-	2.6	2.57	2				
STU	-I Z BE	P	16 17 21.5	1.0	2.28	5	7530	67.7	67.4	314.4
	E Z BE	-	16 17 25.0	1.2	1.57	3				
BNS	-I Z FS	P	16 17 24.0	2.2	2.60		7570	68.1	66.9	317.1
	E Z FS	-	16 19 56.-							
	E Z SL	LR	16 39 20.-							
	Z SL	-	16 48 30.-	16.0						
BUH	-I Z GT	P	16 17 25.4				7600	68.4	66.7	314.6

FEB 08 ERL
H= 02 28 03.7
LAT = 36.7 N
LONG= 68.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
HINDU KUSH REGION

GRF	E Z BE	P	02 35 59.2			1	4750	42.7	85.3	306.4

FEB 08 ERL
H= 02 35 09.0
LAT = 50.5 N
LONG= 156.4 E
DEPTH= 80 KM (GEOPHYSICIST)
MAGNITUDE= 4.5
KURIL ISLANDS

GRF	E Z BE	P	02 46 48.3	0.8	1.38	6	8440	75.9	22.1	337.5

FEB 08 BCS
H= 03 37 21.0
LAT = 38.3 N
LONG= 20.2 E
GREECE

FEB 08 ERL
H= 03 37 23.1
LAT = 38.3 N
LONG= 20.3 E
DEPTH= 32 KM
MAGNITUDE= 4.2
GREECE

FUR	+E Z SL	P	03 40 13.-	1.5	1.28	3	1310	11.8	143.4	329.5
	+I Z SL	-	03 43 00.-	1.5	1.59	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

FEB 08 ERL
H= 10 09 08.3
LAT = 45.5 S
LONG= 96.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.9
SOUTHEAST INDIAN RISE

FUP	-E Z SL	PKP1	10 27 58.-	2.0	1.88	2	13250	119.1	126.6	310.2
	-I Z SL	APKP	10 28 10.-	2.4	2.33	4				
GRF	E Z BE	PKP	10 27 57.2			1	13350	120.1	125.9	311.6

FEB 08
NO DETERMINATION OF EPICENTER

GRF	I Z BE	PG	11 45 50.4			3				
	E N BE	SG	11 46 16.4			2				

FEB 08 BCS
H= 11 57 13.0
LAT = 37.8 N
LONG= 20.1 E
IONIAN SEA

FEB 08 ERL
H= 11 57 19.7
LAT = 38.4 N
LONG= 20.0 E
DEPTH= 17 KM
MAGNITUDE= 4.5
GREECE

FUR	+I Z SL	S	12 02 11.-	1.5	1.59	9	1360	12.2	144.9	330.3
	-E Z SL	SSS	12 02 45.-	1.8	1.78	2				
	-I Z SL	-	12 02 59.-	1.8	1.85	2				
GRF	E Z BE	P	12 00 26.1			1	1500	13.5	148.4	334.6
	E N BE	S	12 02 41.8			2				

FEB 08 ERL
H= 16 44 31.5
LAT = 38.4 N
LONG= 20.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
GREECE

FEB 08 BCS
H= 16 44 37.0
LAT = 38.5 N
LONG= 20.4 E
GREECE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-E Z SL	P	16 47 20.-	1.5	1.36	6	1300	11.7	143.4	329.5
	-I Z SL	S	16 49 28.-	1.5	1.43	1				
	+I Z SL	-	16 50 08.-	1.3	1.73	2				
GRF	E Z BE	P	16 47 32.0			1	1440	13.0	147.2	333.4
	E N BE	S	16 49 51.6			2				

FEB 08 ERL
H= 19 05 21.3
LAT = 10.4 S
LONG= 13.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
ASCENSION ISLAND REGION

BUH	+E Z GT	P	19 15 37.0				6860	61.7	203.9	15.8
FUR	+I Z SL	P	19 15 42.-	2.0	2.40	9	6910	62.1	207.2	16.2
	+I Z SL	APCP	19 16 27.-	1.9	2.35	3				
	+I Z SL	XPCP	19 16 34.-	2.2	2.36	3				
GRF	E Z BE	P	19 15 49.9	2.1	2.31	3	7060	63.5	206.8	17.3
	E Z BE	-	19 18 06.0			2				
BNS	E Z FS	P	19 15 51.0	2.0	1.95		7070	63.6	202.3	14.1
HOF	-E Z SL	P	19 15 57.-	2.0	2.29	6	7140	64.2	207.4	17.4

FEB 09 ERL
H= 05 02 43.6
LAT = 2.7 S
LONG= 119.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
CELEBES

FUR	+I Z SL	PP	05 21 13.-	1.5	1.49	1	11600	104.3	77.8	319.1

FEB 09
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	08 35 38.4			1				
	E N BE	SG	08 36 23.2			1				

FEB 09
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	11 01 18.1			1				
	E Z JM	PG	11 01 20.2			2				
	E N BE	SG	11 01 42.6			2				

FEB 09
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I Z SL	-	11 11 16.-	1.5	1.36	2				
	Z SL	MAXIMUM	11 11 48.-	1.5	1.76					

FEB 09
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	11 16 51.5							

FEB 09 ERL
H= 11 49 00.6
LAT = 0.5 S
LONG= 16.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
NORTH OF ASCENSION ISLAND

GRF	E Z BE	P	11 58 31.7			2	6140	55.2	214.0	21.3

FEB 09
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	-	12 04 15.-	1.5	1.49	8				
	-I Z SL	-	12 04 34.-	1.8	1.90	2				

FEB 09 ERL
H= 13 21 30.0
LAT = 30.9 N
LONG= 140.5 E
DEPTH=135 KM
MAGNITUDE= 3.8
SOUTH OF HONSHU, JAPAN

FUR	-E Z SL	P	13 34 11.-	1.5	1.36	3	9910	89.1	41.8	328.7
	-I Z SL	-	13 34 18.-	1.5	1.59	2				

FEB 10 ERL
H= 03 32 28.0
LAT = 24.3 N
LONG= 121.8 E
DEPTH= 56 KM
MAGNITUDE= 4.8
TAIWAN

GRF	E Z BE	P	03 45 20.4			1	9350	84.1	59.2	322.3
FUR	+E Z SL	XPCP	03 45 17.-	1.5	1.23	1	9430	84.8	59.1	321.0
	+I Z SL	-	03 45 25.-	1.5	1.59	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 10 ERL H= 05 12 17.7 LAT = 33.2 N LONG= 140.7 E DEPTH= 62 KM MAGNITUDE= 5.3 SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	05 24 53.8			4	9570	86.1	40.5	329.3
FEB 10 ERL H= 10 48 05.4 LAT = 22.3 S LONG= 174.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 TONGA ISLANDS REGION										
GRF	E Z BE	PKP	11 08 07.5			1	16930	152.2	12.2	351.5
FEB 10 ERL H= 11 53 27.5 LAT = 18.9 N LONG= 103.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 NEAR COAST OF MICHOACAN, MEXICO										
HLG	- Z SL	P	12 06 15.5			3	9640	86.7	298.0	33.2
BNS	E Z FS	P	12 06 18.5	1.5	1.85		9770	87.9	297.6	36.3
	E Z SL	-	12 06 20.-							
	E Z SL	PP	12 09 40.-							
	E Z SL	LR	12 35 30.-	52.0						
	Z SL	-	12 38 00.-	33.0						
STU	E Z BE	P	12 06 28.3	1.0	1.49	2	10010	90.0	299.2	37.6
GRF	E Z BE	P	12 06 29.8			2	10090	90.7	300.7	36.1
	E Z BE	-	12 06 32.7			4				
HOF	+I Z SL	P	12 06 32.-	2.0	2.81	9	10100	90.8	301.2	35.4
	Z SL	PM	12 48 30.-	17.0	4.22					
FUR	+I Z SL	P	12 06 34.-	3.0	2.81	4	10180	91.6	300.7	37.4
	-I Z SL	AP	12 06 44.-	2.0	2.18	4				
	E SL	PM	12 53 00.-	16.0	3.92					
FEB 10 ERL H= 14 37 35.1 LAT = 2.5 N LONG= 66.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 CARLSBERG RIDGE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	+I Z SL	P	14 48 15.-	2.0	2.40	9	7280	65.5	115.7	322.9
	+I Z SL	AP	14 48 21.-	1.6	1.95	3				
	+I Z SL	XP	14 48 26.-	1.8	2.34	9				
HOF	+E Z SL	P	14 43 20.-	1.5	2.47	9	7350	66.1	117.1	325.2
	+I Z SL	-	14 48 26.-	1.5	2.47	9				
	-I Z SL	AP	14 43 30.-	2.0	2.81	3				
	-I Z SL	PCP	14 48 53.-	2.6	2.56	9				
GRF	E Z BE	P	14 48 19.4			2	7360	66.2	116.3	324.3
BUH	E Z GT	P	14 48 27.3				7510	67.6	113.3	322.5
BNS	E Z FS	P	14 48 45.-	2.0	1.95		7680	69.1	113.2	324.4
FEB 10 ERL H= 16 55 33.9 LAT = 49.9 N LONG= 156.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 KURIL ISLANDS										
BNS	I Z FS	P	17 07 20.0	1.4	1.85		8460	76.1	20.1	340.3
GRF	E Z BE	P	17 07 21.7	0.8	1.87	2	8490	76.3	22.5	337.4
STU	E Z BE	P	17 07 29.0	1.3	2.15	5	8640	77.7	21.2	338.3
FUR	+I Z SL	P	17 07 30.-	1.5	1.98	9	8640	77.7	22.4	336.7
	-I Z SL	PCP	17 07 39.-	1.5	1.76	3				
	+I Z SL	XPCP	17 07 45.-	1.5	1.66	9				
BUH	E Z GT	P	17 07 30.3				8670	78.0	20.6	338.9
FEB 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 46 02.7							
FEB 10 ERL H= 18 05 23.9 LAT = 2.6 N LONG= 66.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 CARLSBERG RIDGE										
GRF	E Z BE	P	18 16 08.0			1	7350	66.1	116.3	324.3
FEB 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	18 05 35.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 10 ERL H= 22 08 52.8 LAT = 2.6 N LONG= 66.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 CARLSBERG RIDGE										
GRF	E Z BE	P	22 19 37.8			2	7350	66.1	116.4	324.4
BUH	E Z GT	P	22 19 44.5				7500	67.4	113.4	322.5
FEB 11 ERL H= 09 03 22.7 LAT = 35.7 N LONG= 23.9 E DEPTH= 31 KM MAGNITUDE= 4.2 CRETE										
FEB 11 BCS H= 09 03 27.0 LAT = 35.6 N LONG= 23.9 E CRETE										
GRF	E Z BE	P	09 07 18.0			2	1870	16.8	141.7	330.4
FEB 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	14 02 13.0							
FEB 11 ERL H= 14 44 29.8 LAT = 29.8 S LONG= 177.6 W DEPTH= 63 KM MAGNITUDE= 4.6 KERMADEC ISLANDS										
GRF	E Z BE	PKP2	15 05 03.3			1	17690	159.1	21.8	343.9
FEB 11 ERL H= 14 51 28.3 LAT = 21.1 S LONG= 178.0 W DEPTH=571 KM MAGNITUDE= 4.5 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	15 10 18.6			1	16740	150.5	17.7	347.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 12 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	03 24 03.9							
FEB 13 ERL H= 15 22 55.1 LAT = 17.5 S LONG= 173.5 W DEPTH=541 KM MAGNITUDE= 5.5 FIJI ISLANDS REGION										
BNS	-I Z FS	PKP	15 41 36.0	1.5	2.65		16270	146.3	9.8	353.5
	E Z FS	-	15 43 41.5							
GRF	-E Z BE	PKP	15 41 34.7	1.6	2.04	3	16340	147.0	17.2	348.4
	-I Z BE	-	15 41 38.3	0.8	2.05	9				
	I Z BE	-	15 41 41.5			2				
	E Z BE	APKP	15 43 45.4			4				
	E Z BE	-	15 51 41.6			2				
FUP	-I Z SL	PKP1	15 41 38.-	1.9	2.52	9	16500	148.4	18.0	347.5
	-I Z SL	PKHKP	15 41 41.-	1.7	2.39	3				
	+I Z SL	PKP2	15 41 52.-	1.1	2.16	3				
BUH	E Z GT	PKP	15 41 36.5				16510	148.4	12.3	351.5
	-I Z GT	PKP	15 41 41.5							
FEB 13 ERL H= 18 01 49.8 LAT = 20.5 S LONG= 169.7 E DEPTH=143 KM MAGNITUDE= 5.2 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	18 21 14.1			2	16250	146.2	38.2	334.6
FEB 13 ERL H= 19 53 53.5 LAT = 51.2 N LONG= 179.2 W DEPTH= 46 KM MAGNITUDE= 5.4 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	20 05 53.7			2	8790	79.0	6.7	353.1
	-I Z BE	-	20 05 55.6			3				
FEB 13 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	20 06 00.4							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 14 ERL H= 00 49 16.2 LAT = 22.3 N LONG= 121.6 E DEPTH= 38 KM MAGNITUDE= 5.3 TAIWAN REGION										
HOF	+I Z SL	P	01 01 49.-	1.5	2.33	9	9440	84.9	61.1	322.7
GRF	+E Z BE	P	01 01 52.4	1.1	2.18	6	9510	85.5	60.6	322.3
	E Z BE	-	01 01 58.2			2				
FUR	+I Z SL	P	01 01 55.-	1.5	2.23	9	9530	86.3	60.5	321.0
	+I Z SL	PCP	01 02 01.-	1.9	2.84	5				
	+I Z SL	XP	01 02 10.-	1.5	1.79	3				
BNS	+I Z FS	P	01 01 59.5	1.0	2.04		9690	87.1	57.6	324.8
	Z SL	-	01 44 30.-	20.0						
STU	-E Z BE	P	01 02 00.0	0.8	1.83	4	9690	87.2	59.1	322.2
RUH	E Z GT	P	01 02 02.4				9760	87.7	58.3	322.5
FEB 14 ERL H= 09 28 06.4 LAT = 20.1 S LONG= 178.3 W DEPTH=600 KM (GEOPHYSICIST) MAGNITUDE= 5.0 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	09 46 50.0			3	16620	149.5	17.8	347.8
FEB 14 ERL H= 09 32 58.8 LAT = 9.9 S LONG= 160.9 E DEPTH= 62 KM (GEOPHYSICIST) MAGNITUDE= 5.9 SOLOMON ISLANDS										
GRF	E Z BE	PP	09 55 35.8			2	14800	133.1	42.9	333.4
FEB 14 ERL H= 15 22 09.6 LAT = 5.4 S LONG= 126.7 E DEPTH= 17 KM MAGNITUDE= 5.3 BANDA SEA										
GRF	E Z BE	PP	15 41 26.0			2	12280	110.4	73.5	321.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 14 ERL H= 16 11 14.9 LAT = 30.4 S LONG= 177.5 W DEPTH= 29 KM MAGNITUDE= 5.7 KERMADEC ISLANDS										
GRF	E Z BE	PKP1	16 31 15.9			2	17750	153.6	22.1	343.6
	E Z BE	PKP2	16 31 46.8			3				
	E Z BE	-	16 31 52.5			9				
	E Z BE	-	16 32 02.0			2				
FUR	+I Z SL	PKP1	16 31 18.-	1.8	2.15	3	17900	161.0	23.9	341.7
	+I Z SL	APKP	16 32 10.-	2.0	2.50	3				
	+I Z SL	XPKP	16 32 15.-	1.5	1.76	9				
FEB 14 ERL H= 21 45 42.4 LAT = 39.0 N LONG= 141.5 E DEPTH=110 KM MAGNITUDE= 5.1 HONSHU, JAPAN										
GRF	-E Z BE	P	21 57 49.0			3	9050	81.4	37.0	329.3
	E Z BE	PCP	21 58 00.4			2				
	I Z BE	AP	21 58 16.2			3				
	E Z BE	APCP	21 58 28.4			4				
FUR	-I Z SL	APCP	21 58 26.-	1.8	2.23	2	9180	82.6	36.9	329.0
	+I Z SL	XPCP	21 58 40.-	1.5	1.43	3				
FEB 14 ERL H= 22 36 14.6 LAT = 37.0 N LONG= 141.5 E DEPTH= 56 KM MAGNITUDE= 5.1 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	22 48 36.3	1.2	1.81	2	9240	83.1	37.9	330.1
FEB 15 ERL H= 07 28 44.5 LAT = 56.1 N LONG= 163.6 E DEPTH= 45 KM (GEOPHYSICIST) MAGNITUDE= 4.8 NEAR EAST COAST OF KAMCHATKA										
GRF	+E Z BE	P	07 40 06.8			2	8020	72.1	15.9	341.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 15 ERL H= 07 43 27.4 LAT = 6.0 N LONG= 82.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 SOUTH OF PANAMA										
GRF	c 7 BE	P	07 56 15.4			2	9760	87.8	276.6	40.4
FEB 15 ERL H= 07 54 26.9 LAT = 36.1 S LONG= 101.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 SOUTHERN PACIFIC OCEAN										
GRF	E Z BE	PKIKP	08 13 36.6			1	14480	130.2	258.8	51.9
FEB 15 ERL H= 13 15 10.7 LAT = 30.3 S LONG= 177.4 W DEPTH= 44 KM MAGNITUDE= 5.0 KERMADEC ISLANDS										
FUP	+I Z SL	PKP2	13 36 03.-	1.9	2.22	9	17890	160.9	23.6	341.9
	-I Z SL	-	13 36 11.-	1.9	2.22	9				
	+I Z SL	XPKP	13 36 19.-	1.9	2.12	9				
FEB 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	14 21 37.4							
FEB 15 BCS H= 21 25 01.0 LAT = 38.3 N LONG= 20.1 E GREECE										
FEB 15 ERL H= 21 25 33.7 LAT = 38.3 N LONG= 20.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 GREECE										
GRF	E Z BE	P	21 28 04.0			1	1450	13.0	147.5	333.6
	E N BE	S	21 30 26.4			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FEB 15 ERL H= 22 17 37.0 LAT = 47.0 N LONG= 153.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 KURIL ISLANDS										
GRF	E Z BE	P	22 29 36.5	0.6	1.37	2	8720	78.4	25.1	336.3
	-I Z BE	-	22 29 38.0			4				
FEB 16 ERL H= 04 51 01.4 LAT = 15.3 S LONG= 173.3 W DEPTH= 50 KM MAGNITUDE= 5.8 TONGA ISLANDS										
BNS	+I Z FS	PKP	05 10 33.0	2.0	2.23		16060	144.4	0.8	359.5
	E Z FS	-	05 10 47.-							
HOF	-I Z SL	PKP2	05 10 47.-	1.5	2.33	3	16110	144.8	8.7	354.2
GRF	-E Z BE	PKP	05 10 36.4	1.2	2.04	4	16180	145.5	7.8	354.8
	+I Z BE	-	05 10 52.6	1.1	2.13	3				
BUH	E Z GT	PKP	05 10 39.8				16310	146.7	2.7	358.1
FUP	-I Z SL	PKP1	05 10 42.-	1.3	2.18	1	16350	147.0	8.2	354.3
	+I Z SL	PKHKP	05 10 44.-	1.5	2.03	5				
	+I Z SL	PKP2	05 10 50.-	1.3	2.21	9				
	+I Z SL	XPKP	05 10 56.-	2.0	2.66	7				
	-I Z SL	XPKP	05 11 04.-	1.5	2.02	2				
FEB 16 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	11 30 20.5							
	E E X	SG	11 30 25.1	1.1	2.41					
FEB 16 ERL H= 11 54 18.8 LAT = 30.2 S LONG= 177.2 W DEPTH= 42 KM MAGNITUDE= 5.1 KERMADEC ISLANDS										
GRF	E Z BE	PKP	12 14 53.8			2	17740	159.5	21.2	344.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 16 ERL										
H= 13 47 08.0										
LAT = 6.8 N										
LONG= 94.3 E										
DEPTH= 27 KM										
MAGNITUDE= 5.1										
NICOBAR ISLANDS REGION										
GRF	E Z BE	P	13 59 21.4			3	8940	80.4	90.9	319.2
FEB 16 BCS										
H= 20 50 10.0										
LAT = 42.9 N										
LONG= 12.6 E										
CENTRAL ITALY										
BCIS= FELT WITH MAXIMUM INTENSITY V (RMP).										
FUR	+I Z SL	SN	20 52 35.-	1.5	1.36	2	530	5.3	169.5	350.4
	+I Z SL	SG	20 53 14.-	1.9	1.05	9				
	Z SL	MAXIMUM	20 54 00.-	1.8	2.45					
GRF	E Z BE	P	20 51 57.2			1	760	6.9	171.5	352.5
	E N BE	S	20 53 01.3			2				
HOF	-E Z SL	SN	20 53 43.-	3.0	2.63	3	830	7.4	175.9	356.4
	-E Z SL	SB	20 53 59.-	3.0	2.63	8				
FEB 17 ERL										
H= 16 02 45.5										
LAT = 17.0 N										
LONG= 61.4 W										
DEPTH= 34 KM										
MAGNITUDE= 5.5										
LEEWARD ISLANDS										
STU	E Z BE	P	16 13 21.6	1.0	1.45	2	7190	64.7	267.0	43.7
GRF	+E Z BE	P	16 13 31.3			2	7350	66.1	268.2	42.7
	E Z BE	AP	16 13 40.9			2				
FEB 17 ERL										
H= 19 15 11.4										
LAT = 45.2 N										
LONG= 148.6 E										
DEPTH=113 KM										
MAGNITUDE= 5.3										
KURIL ISLANDS										
HOF	-I Z SL	P	19 26 58.-	1.0	2.16	8	8640	77.7	29.8	333.3
GRF	+I Z BE	P	19 27 01.8	0.8	2.14	9	8720	78.5	29.3	333.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	P	19 27 01.2	1.0	2.08		8730	78.5	26.7	336.3
FUR	+I Z SL	P	19 27 11.-	1.5	2.10	9	8870	79.8	29.2	332.5
	+I Z SL	PCP	19 27 22.-	1.3	1.84	2				
	+I Z SL	XP	19 27 52.-	1.2	1.78	3				
STU	+E Z BE	P	19 27 08.8	1.0	2.09	3	8880	79.9	27.9	334.1
BUH	E Z GT	P	19 27 10.6				8930	80.3	27.2	334.6
FEB 18 ERL										
H= 03 43 52.9										
LAT = 36.7 S										
LONG= 17.2 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.6										
SOUTH ATLANTIC RIDGE										
FUR	-I Z SL	P	04 01 44.-	2.0	2.27	5	9810	88.2	202.5	18.6
	+I Z SL	XPCP	04 02 02.-	1.5	1.59	5				
GRF	E Z BE	P	04 01 43.4			3	9970	89.6	202.5	18.0
	E Z BE	-	04 01 59.8			2				
BNS	-I Z FS	P	04 01 50.6	2.0	1.95		9990	89.9	199.4	15.1
FEB 18 ERL										
H= 07 31 50.8										
LAT = 30.2 S										
LONG= 177.5 W										
DEPTH= 20 KM										
MAGNITUDE= 4.7										
KERMADEC ISLANDS										
GRF	E Z BE	PKP	07 52 26.1			2	17730	159.5	21.9	343.8
FEB 18 ERL										
H= 18 09 27.2										
LAT = 30.2 S										
LONG= 177.6 W										
DEPTH= 49 KM										
MAGNITUDE= 5.5										
KERMADEC ISLANDS										
HOF	+E Z SL	PKP1	18 29 19.-	3.0	2.72	9	17650	158.7	23.1	343.1
	+E Z SL	APKP	18 29 28.-	3.0	2.33	4				
	-E Z SL	PKP2	18 29 58.-	1.5	2.39	5				
	+E Z SL	APKP	18 30 11.-	4.0	2.71	1				
BNS	E Z FS	PKP	18 29 57.0				17680	159.0	11.6	351.5
GRF	E Z BE	PKP	18 29 22.1			2	17730	159.4	22.2	343.5
	E Z BE	-	18 29 31.6			2				
	E Z BE	-	18 30 00.4			4				
	E Z BE	-	18 30 06.0			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	PKP2	18 30 19.4			2				
	E Z BE	-	18 33 38.8			2				
	E Z BE	PP	18 33 54.4			2				
FUR	-I Z SL	PKP1	18 29 23.-	1.9	2.19	3	17890	160.8	24.0	341.6
	-I Z SL	APKP	18 29 35.-	2.0	2.00	2				
	-I Z SL	PKP2	18 30 06.-	1.5	2.09	9				
BUH	E Z GT	PKP	18 29 23.1				17910	161.0	15.7	348.0

FEB 18 BCS
H= 20 26 20.0
LAT = 42.7 N
LONG= 12.5 E
CENTRAL ITALY

BCIS= FELT WITH MAXIMUM INTENSITY V (RMP).

FUP	+E Z SL	SB	20 29 05.-	1.5	1.28	3	620	5.5	170.6	351.5
	+I Z SL	SG	20 29 24.-	1.5	1.43	1				
	Z SL	MAXIMUM	20 30 08.-	1.5	1.59					

FEB 18 ERL
H= 21 39 02.3
LAT = 40.8 N
LONG= 74.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
KIRGIZ-SINKIANG BORDER REGION

GRF	E Z BE	P	21 47 12.5			2	4890	44.0	76.7	303.6

FEB 18
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PG	21 39 42.7							

FEB 18
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PG	21 58 43.4							

FEB 19 ERL
H= 03 42 52.1
LAT = 45.5 S
LONG= 35.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
PRINCE EDWARD ISLANDS REGION

FUR	+E Z SL	P	08 56 16.-	1.9	1.83	1	10630	95.6	163.4	344.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+E Z SL	AP	08 56 27.-	1.5	1.36	6				
	+I Z SL	-	08 56 48.-	2.0	2.10	9				
	Z SL	AM	09 30 30.-	40.0	3.71					
BUH	E Z GT	PP	08 59 13.0				10760	96.7	161.3	342.4
HOF	Z SL	AM	09 46 00.-	14.0	4.15		10850	97.6	163.7	345.2
BNS	E Z FS	PP	09 00 33.5	2.0	1.78		11020	99.1	160.5	342.5
	E Z SL	SP	09 09 40.-							
	E Z SL	SS	09 15 06.-							
	E Z SL	LR	09 29 24.-	56.0						
	Z SL	-	09 35 30.-	30.0						

FEB 19
NO DETERMINATION OF EPICENTER

BNS	I Z FS	PG	10 48 12.8							
	E Z FS	-	10 48 21.5	0.8	1.90					

FEB 19 ERL
H= 18 10 00.5
LAT = 40.2 N
LONG= 33.9 E
DEPTH= 22 KM
MAGNITUDE= 4.5
TURKEY

FEB 19 BCS
H= 18 10 03.0
LAT = 40.3 N
LONG= 34.0 E
TURKEY

NOS= FELT AT KIPIKKALE. BCIS= FELT AT CANKIRI, YOZGAT, ANKARA, KIRSEHIR, SIVAS, KAYSERI, KASTAMONU AND BOLU (ISK).

FUP	+I Z SL	AP	18 14 19.-	1.5	1.49	8	2000	18.0	107.9	303.7
	-I Z SL	PP	18 14 25.-	1.5	1.59	2				
	-I Z SL	PPP	18 14 34.-	1.5	1.59	5				
GRF	E Z BE	P	18 14 18.3			1	2060	18.6	112.2	308.3
BUH	E Z GT	P	18 14 35.0				2230	20.1	105.4	303.5
BNS	E Z FS	P	18 14 50.-	1.4	1.43		2380	21.4	109.8	309.0

FEB 19 BCS
H= 20 27 50.0
LAT = 46.0 N
LONG= 1.5 W
FRANCE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 19 ERL H= 20 27 59.7 LAT = 46.0 N LONG= 0.4 W DEPTH= 33 KM (NORMAL) FRANCE										
BCIS= OLERON ISLAND. FELT.										
BUH	E Z GT	PN	20 29 32.0				730	7.1	251.6	64.5
BNS	E Z FS	-	20 31 48.-				850	7.6	232.6	46.1
	E Z FS	-	20 32 06.-							
FEB 20 ERL H= 05 55 14.4 LAT = 34.4 N LONG= 23.8 E DEPTH= 22 KM MAGNITUDE= 4.5 CRETE										
FEB 20 BCS H= 05 55 20.0 LAT = 34.4 N LONG= 24.1 E DEPTH= 55 KM CRETE										
FUR	-I Z SL	P	05 59 12.-	1.2	1.78	2	1850	16.6	141.1	329.4
	+I Z SL	PP	05 59 21.-	1.5	1.79	2				
	+I Z SL	PPP	05 59 30.-	1.5	1.76	2				
	-I Z SL	S	06 02 04.-	2.0	2.10	3				
GRF	E Z BE	P	05 59 24.8	0.7	1.44	3	1990	17.9	144.0	332.5
	E Z BE	-	05 59 31.0			2				
	E Z BE	-	05 59 41.5			4				
BUH	E Z GT	P	05 59 30.0				2040	18.4	135.1	325.5
BNS	E Z FS	P	05 59 55.-	1.5	1.48		2280	20.5	137.4	328.8
FEB 20 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	06 00 54.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 20 ERL H= 07 40 34.7 LAT = 58.3 N LONG= 149.8 W DEPTH= 12 KM MAGNITUDE= 5.5 GULF OF ALASKA										
BNS	E Z FS	P	07 51 44.3	1.7	1.78		7730	69.5	347.3	15.3
GRF	E Z BE	P	07 51 56.2			3	7920	71.2	349.6	12.9
	I Z BE	AP	07 52 02.2			2				
BUH	E Z GT	P	07 51 59.7				7930	71.9	348.0	15.1
FUP	+I Z SL	P	07 52 05.-	1.7	2.09	3	8090	72.8	349.7	13.1
	-I Z SL	AP	07 52 11.-	1.9	2.35	2				
	+I Z SL	PCP	07 52 22.-	1.5	1.59	3				
	+I Z SL	APCP	07 52 27.-	1.9	2.05	2				
FEB 20 BCS H= 11 38 43.0 LAT = 44.8 N LONG= 37.2 E WESTERN CAUCASUS										
FEB 20 ERL H= 11 38 48.8 LAT = 45.0 N LONG= 36.4 E DEPTH= 17 KM MAGNITUDE= 4.2 CRIMEA REGION										
BUH	E Z GT	P	11 43 30.9				2240	20.2	90.2	291.4
FEB 20 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 58 41.0							
FEB 20 ERL H= 21 07 07.2 LAT = 30.4 S LONG= 177.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 KERMADEC ISLANDS										
GRF	E Z BE	PKP	21 27 42.0			2	17760	159.7	21.2	344.2
FUP	+E Z SL	PKP2	21 27 50.-	1.5	1.36	6	17910	161.1	22.9	342.4
	+I Z SL	-	21 28 11.-	1.5	1.59	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 21 BCS H= 01 14 58.0 LAT = 38.2 N LONG= 20.1 E GREECE										
FEB 21 ERL H= 01 14 59.9 LAT = 38.2 N LONG= 20.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 GREECE										
GRF	E Z BE	P	01 18 10.7			1	1460	13.1	147.7	333.8
FEB 21 ERL H= 08 23 15.2 LAT = 31.7 N LONG= 100.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 SZECHWAN PROVINCE, CHINA										
GRF	E Z BE	P	08 34 00.4	0.8	1.16	3	7330	65.9	69.1	314.7
FUR	+I Z SL	P	08 34 04.-	1.5	1.54	1	7390	66.4	68.5	313.1
FEB 21 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	12 26 24.9							
	I Z FS	SG	12 26 25.8							
FEB 21 ERL H= 14 45 57.3 LAT = 34.1 N LONG= 119.0 W DEPTH= 8 KM MAGNITUDE= 5.7 SOUTHERN CALIFORNIA NOS= SEVERAL PERSONS REPORTED INJURED, APPROXIMATELY 1.000.000 DOLLARS DAGAGE REPORTED IN THE OXNARD AREA. FELT FROM SAN DIEGO TO SAN LUIS OBISPO. MAX. INT. VII. MAG. 5.9 ML (PAS), 5.6 ML (BRK).										
BNS	+I Z FS	P	14 58 23.5	2.3	2.45		9230	83.0	317.6	30.9
	+I Z SL	-	14 58 24.-							
	E Z FS	-	14 58 47.2							
	E Z FS	-	14 59 46.0							
	E Z SL	LR	15 33 30.-							
	Z SL	-	15 36 00.-	16.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	14 58 33.5				9470	85.2	318.5	32.0
HOF	-I Z SL	P	14 58 37.-	2.0	2.68	4	9500	85.5	321.0	29.1
	Z SL	RM	15 40 30.-	14.0	4.01					
GRF	+E Z BE	P	14 58 36.8			3	9530	85.7	320.6	29.3
FUR	-I Z SL	P	14 58 44.-	2.2	2.23	2	9660	86.9	320.7	30.7
	+E Z SL	PP	15 02 10.-	2.0	2.05	2				
	Z SL	RM	15 37 00.-	23.0	3.58					
FEB 22 ERL H= 00 30 20.3 LAT = 14.5 N LONG= 91.6 W DEPTH=107 KM MAGNITUDE= 5.2 GUATEMALA										
BUH	E Z GT	P	00 42 47.7				9520	85.6	286.8	40.9
GRF	E Z BE	P	00 42 56.2	1.1	1.70	2	9700	87.2	289.0	39.3
FUR	+E Z SL	-	00 43 06.-	1.5	1.28	5	9760	87.7	289.1	40.8
	-I Z SL	-	00 43 19.-	1.5	1.43	2				
FEB 22 BCS H= 06 48 32.0 LAT = 48.3 N LONG= 6.6 E FRANCE										
FEB 22 ERL H= 06 48 33.0 LAT = 48.2 N LONG= 6.6 E DEPTH= 33 KM (NORMAL) FRANCE NOS= FELT (III) IN EPINAL AREA.										
BUH	+I Z GT	PN	06 48 53.8				130	1.2	250.7	69.5
KPL	+E E ST	PG	06 49 03.5	1.0		3	160	1.4	239.5	58.1
	-I E ST	-	06 49 19.9	2.0		4				
	-I E ST	-	06 49 20.8	2.6		9				
TNS	+I Z X	PN	06 49 21.0			3	250	2.3	212.7	31.3
	I Z X	PG	06 49 27.0			3				
BNS	E Z FS	PN	06 49 19.-				300	2.7	133.2	7.7
	E Z FS	PG	06 49 22.0							
	E N X	SG	06 49 57.0	0.8	2.58					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E Z FS	-	06 49 58.2	0.6	2.04					
	E E X	-	06 49 58.5	0.8	2.49					
FUP	-E Z SL	PB	06 49 33.-	1.0	1.76	2	350	3.1	273.9	90.4
	-E Z SL	PG	06 49 45.-	1.5	1.43	1				
	-E Z SL	SN	06 50 08.-	2.0	2.10	9				
	-I Z SL	SB	06 50 15.-	1.3	1.89	5				
	-I Z SL	SG	06 50 19.-	1.2	2.11	3				
	Z SL	MAXIMUM	06 51 10.-	2.0	2.30					
GRF	E Z BE	PN	06 49 24.9			1	370	3.4	246.9	63.4
	E Z BE	PG	06 49 34.8			2				
	E Z BE	-	06 49 36.4			4				
	E N BE	SG	06 50 18.9			2				

FEB 22
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	06 50 57.4							

FEB 22 ERL
H= 16 22 32.2
LAT = 4.6 S
LONG= 151.8 E
DEPTH=154 KM
MAGNITUDE= 5.3
NEW BRITAIN REGION

GRF	E Z BE	PKP	16 41 13.8			2	13800	124.1	49.8	330.1
FUP	+I Z SL	PKP1	16 41 16.-	1.5	1.43	7	13910	125.1	50.7	328.7
BUH	E Z GT	PKP	16 41 18.7				14040	126.3	47.2	330.8

FEB 22 ERL
H= 18 18 04.9
LAT = 38.7 N
LONG= 98.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
TSINGHAI PROVINCE, CHINA

GRF	E Z BE	P	18 28 13.4			1	6700	60.3	64.2	311.7

FEB 22 ERL
H= 18 51 05.8
LAT = 44.9 N
LONG= 141.1 E
DEPTH=245 KM
MAGNITUDE= 4.5
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	19 02 31.1			1	8470	76.2	34.2	329.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

FEB 22
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	19 10 24.1			2				

FEB 22
NO DETERMINATION OF EPICENTER

BUH	+I Z GT	PG	19 17 01.5							

FEB 22 ERL
H= 20 03 58.2
LAT = 30.3 S
LONG= 177.1 W
DEPTH= 75 KM (GEOPHYSICIST)
MAGNITUDE= 4.7
KERMADEC ISLANDS

GRF	E Z BE	PKP	20 24 29.2			2	17760	159.7	21.0	344.4

FEB 23
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	03 19 10.6							

FEB 23 ERL
H= 04 26 23.3
LAT = 2.1 S
LONG= 78.2 W
DEPTH= 67 KM
MAGNITUDE= 5.7
ECUADOR

BNS	E Z FS	P	04 39 15.8	1.5	1.78		9860	88.7	265.1	39.1
BUH	E Z GT	P	04 39 12.7				9920	89.2	266.0	41.4
FUR	-I Z SL	P	04 39 23.-	2.2	2.39	3	10140	91.2	268.2	42.0
	-I Z SL	-	04 39 28.-	1.3	2.00	2				
GRF	E Z BE	P	04 39 22.8			2	10140	91.2	268.2	40.5

FEB 23
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 14 24.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 23 ERL										
H= 10 45 06.3										
LAT = 37.6 N										
LONG= 86.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	10 54 28.5			3	5950	53.5	72.6	308.7
FEB 23										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	16 11 33.7			1				
	E N BE	SG	16 12 04.1			2				
FEB 23 ERL										
H= 19 36 48.6										
LAT = 9.8 N										
LONG= 83.5 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
COSTA RICA										
GRF	E Z BE	P	19 49 26.4			2	9520	85.6	279.9	40.5
FEB 23 ERL										
H= 20 57 31.0										
LAT = 23.9 S										
LONG= 180.0 W										
DEPTH=518 KM										
MAGNITUDE= 5.0										
SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKIKP	21 16 29.6			1	16990	152.8	22.9	344.0
	E Z BE	PKHKP	21 16 43.9	1.1	1.52	4				
FEB 24 ERL										
H= 00 02 40.1										
LAT = 28.6 N										
LONG= 52.6 E										
DEPTH= 27 KM										
MAGNITUDE= 5.2										
SOUTHERN IRAN										
FEB 24 BCS										
H= 00 02 46.0										
LAT = 28.7 N										
LONG= 52.7 E										
SOUTHERN IRAN										
FUR	+I Z SL	P	00 03 51.-	1.8	2.18	9	4150	37.3	106.5	313.1
	+I Z SL	-	00 09 54.-	1.7	2.11	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
+I Z SL		PP	00 11 14.-	1.5	1.59	9				
GRF	+I Z BE	P	00 09 55.6	0.7	1.48	4	4200	37.8	108.3	315.5
FEB 24										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	00 59 02.1							
FEB 24										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	01 05 53.9							
FEB 24 ERL										
H= 01 06 11.3										
LAT = 15.4 S										
LONG= 173.3 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
TONGA ISLANDS										
GRF	E Z BE	PKP	01 25 50.5			6	16190	145.6	7.7	354.8
STU	E Z BE	PKP	01 25 52.5	1.0	1.75	2	16310	146.7	4.4	357.0
FUR	-I Z SL	PKP1	01 25 57.-	2.0	2.27	2	16360	147.1	8.1	354.4
	+I Z SL	PKP2	01 26 01.-	1.5	1.70	3				
	-I Z SL	APKP	01 26 07.-	1.5	1.62	1				
	+I Z SL	XPKP	01 26 09.-	1.3	1.89	5				
FEB 24 ERL										
H= 03 56 43.5										
LAT = 15.2 S										
LONG= 173.4 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.2										
TONGA ISLANDS										
GRF	E Z BE	PKP	04 16 22.2			2	16160	145.4	7.9	354.7
	-E Z BE	-	04 16 28.9			4				
BUH	E Z GT	PKP	04 16 28.2				16300	146.6	2.9	358.0
FUR	+I Z SL	PKP1	04 16 28.-	1.5	1.49	2	16330	146.9	8.4	354.2
	+I Z SL	PKP2	04 16 32.-	1.3	1.66	6				
	+I Z SL	XPKP	04 16 42.-	1.5	1.59	2				
	+I Z SL	XPKP	04 16 48.-	1.5	1.54	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
FEB 24 ERL H= 07 38 27.0 LAT = 19.2 S LONG= 168.7 E DEPTH= 59 KM MAGNITUDE= 6.0 NEW HEBRIDES ISLANDS										
HOF	+I Z SL	PKP1	07 57 55.-	2.0	3.16	9	16000	143.9	39.1	334.7
	+E Z SL	PP	08 01 12.-	2.0	2.77	2				
GRF	+I Z BE	PKP	07 57 58.2	1.0	2.73	9	16030	144.6	38.7	334.6
	E Z BE	PP	08 01 13.0			2				
BNS	+I Z FS	PKP	07 57 59.0	1.0	2.88		16130	145.1	31.5	339.5
	+I Z SL	-	07 57 59.-							
FUR	+I 7 SL	PKP1	07 58 00.-	1.5	1.79	9	16210	145.8	40.1	332.8
	-I 7 SL	PP	08 02 25.-	1.9	2.30	5				
STU	E Z BE	PKP	07 58 01.0	0.9	2.89	4	16260	146.2	36.4	335.5
BUH	I Z GT	PKP	07 58 00.8				16310	146.6	35.0	336.3
	I Z GT	PKP	07 58 04.0							
FEB 24 ERL H= 20 19 35.2 LAT = 19.2 S LONG= 168.7 E DEPTH= 45 KM MAGNITUDE= 4.5 NEW HEBRIDES ISLANDS										
GRF	+E Z BE	PKP	20 39 07.1			3	16080	144.6	38.7	334.6
FUR	-I Z SL	PKP1	20 39 11.-	1.9	2.12	2	16210	145.8	40.1	332.3
	-I Z SL	APKP	20 39 24.-	1.5	1.76	9				
STU	E Z BE	PKP	20 39 11.9	0.8	1.47	2	16250	146.2	36.4	335.5
FEB 24 ERL H= 23 54 03.4 LAT = 35.0 N LONG= 24.5 E DEPTH= 50 KM MAGNITUDE= 4.1 CRETE										
FEB 24 BCS H= 23 54 09.0 LAT = 35.1 N LONG= 24.4 E DEPTH= 85 KM CRETE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
GRF	E Z BE	P	23 58 07.6			2	1960	17.6	141.6	330.6
FEB 25 NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PG	02 26 05.1							
FEB 25 ERL H= 05 35 55.4 LAT = 61.0 S LONG= 37.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 6.4 SCOTIA SEA										
BUH	E Z GT	PP	05 55 06.8				12840	115.5	202.9	32.0
	E Z GT	-	05 55 35.7							
FUR	+I Z SL	PKP1	05 54 36.-	1.5	1.86	9	12880	115.8	204.1	34.2
	+I Z SL	APKP	05 54 47.-	1.5	1.59	2				
	-I Z SL	-	05 55 02.-	1.7	2.09	9				
	+I 7 SL	-	05 55 37.-	1.9	2.44	4				
	+I Z SL	PP	05 55 47.-	1.5	1.89	9				
	E SL	QM	06 27 00.-	55.0	4.43					
GRF	E Z BE	PKIKP	05 54 18.5			1	13030	117.2	204.4	33.5
	E Z BE	PP	05 55 48.9			4				
	E Z BE	PS	06 05 06.0			1				
BNS	-E Z FS	PP	05 55 50.8	3.0	2.63		13050	117.3	202.8	30.3
	E Z SL	SP	06 05 28.5							
	E Z SL	LR	06 30 00.-	60.0						
	7 SL	-	06 37 30.-	22.0						
HOF	+I Z SL	PP	05 55 54.-	4.0	3.68	9	13120	118.0	204.9	33.6
	-I Z SL	APP	05 56 07.-	3.0	3.07	9				
	-I Z SL	XPP	05 56 12.-	4.0	3.27	2				
	-I Z SL	PPP	05 58 25.-	4.0	3.27	5				
	-I Z SL	-	05 58 38.-	2.0	2.68	3				
	-E Z SL	-	06 02 04.-	5.0	3.26	3				
	+I Z SL	-	06 05 48.-	5.0	3.52	5				
	+I Z SL	-	06 07 02.-	4.0	3.17	4				
	7 SL	RM	06 39 30.-	20.0	4.37					
BRN	-E Z ET	PP	05 56 03.-			5	13370	120.2	206.0	33.5
HLG	- Z SL	PP	05 56 12.-			2	13400	120.5	203.9	29.2
	+ Z SL	-	06 06 08.-			4				
FEB 25 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	07 35 22.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 25 ERL H= 10 31 39.5 LAT = 1.7 S LONG= 99.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 SOUTHERN SUMATRA										
FUP	-E Z SL	P	10 44 40.-	1.5	1.28	2	10030	90.2	92.3	318.0
	+I Z SL	XPCP	10 44 55.-	1.5	1.59	3				
GRF	+E Z BE	P	10 44 39.3			2	10040	90.3	92.3	319.5
	E Z BE	-	10 44 48.9			3				
BUH	E Z GT	P	10 44 46.6				10260	92.2	90.0	318.5
BNS	E Z SL	S	10 56 07.-				10330	92.9	89.1	320.8
	E Z SL	SP	10 57 37.-							
	Z SL	-	11 33 30.-	20.0						
FEB 25 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	19 06 30.8			1				
	E N BE	SG	19 07 43.8			2				
FEB 25 ERL H= 21 28 26.3 LAT = 1.7 S LONG= 99.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 SOUTHERN SUMATRA										
GRF	E Z BE	P	21 41 35.7			1	10040	90.3	92.3	319.5
FEB 25 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	23 55 51.3			1				
	E N BE	SG	23 57 04.8			1				
FEB 26 ERL H= 00 43 39.9 LAT = 9.6 N LONG= 84.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 COSTA RICA										
BUH	E Z GT	P	00 56 10.7				9390	84.5	278.2	41.7
GRF	-E Z BE	P	00 56 20.3			3	9590	86.3	280.3	40.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 26 ERL H= 08 16 57.6 LAT = 49.4 N LONG= 155.6 E DEPTH= 46 KM MAGNITUDE= 5.0 KURIL ISLANDS										
GRF	-E Z BE	P	08 28 45.9	0.8	1.38	3	8520	76.6	23.0	337.1
FEB 26 ERL H= 10 53 27.6 LAT = 5.7 N LONG= 127.0 E DEPTH= 74 KM MAGNITUDE= 5.2 PHILIPPINE ISLANDS REGION										
GRF	E Z BE	P	11 07 15.4			1	11330	101.9	66.3	323.3
	E Z BE	PP	11 11 32.6			1				
FEB 26 ERL H= 12 36 33.7 LAT = 33.3 N LONG= 140.5 E DEPTH= 60 KM MAGNITUDE= 4.4 SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	12 49 09.3			1	9560	85.9	40.6	329.7
FEB 26 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	14 09 03.7							
FEB 26 ERL H= 21 57 30.0 LAT = 1.8 S LONG= 99.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 SOUTHERN SUMATRA										
FUP	-E Z SL	P	22 10 29.-	1.5	1.28	1	10030	90.2	92.4	318.0
	-I Z SL	AP	22 10 38.-	1.5	1.49	2				
	+I Z SL	XP	22 10 42.-	1.5	1.36	1				
GRF	E Z BE	P	22 10 29.7			2	10040	90.3	92.3	319.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 26 BCS H= 22 23 10.0 LAT = 40.1 N LONG= 20.1 E GREECE-ALBANIA BORDER REGION										
FEB 26 ERL H= 22 23 11.7 LAT = 40.0 N LONG= 20.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 GREECE-ALBANIA BORDER REGION										
BCIS= FELT (IV-V) AT SELO-VRISERA (TIR).										
FUR	-E Z SL	PP	22 25 49.-	1.5	1.28	1	1140	10.3	138.6	324.8
	+I Z SL	SSS	22 28 01.-	2.0	1.88	1				
	Z SL	OM	22 30 05.-	1.8	2.00					
GRF	E Z BE	P	22 25 55.1			1	1270	11.5	143.4	329.7
STU	E Z BE	P	22 25 58.5	0.8	1.44	2	1300	11.6	134.0	321.7
BUH	E Z GT	P	22 26 04.1				1340	12.1	130.9	319.2
FEB 27 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	06 50 53.6			1				
	E E BE	S	06 51 40.5			2				
FEB 27 NO DETERMINATION OF EPICENTER										
FUR	-E Z SL	-	11 13 26.-	2.0	1.88	2				
	Z SL	MAXIMUM	11 14 15.-	1.5	1.59					
FEB 27 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	14 29 57.-	1.8	1.78	1				
	+I Z SL	-	14 30 10.-	1.5	1.36	3				
FEB 27 ERL H= 14 49 36.9 LAT = 1.7 S LONG= 99.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 SOUTHERN SUMATRA										
GRF	E Z BE	P	15 02 45.8			1	10040	90.3	92.3	319.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 27 BCS H= 17 10 10.0 LAT = 38.8 N LONG= 29.8 E TURKEY										
FEB 27 ERL H= 17 10 10.6 LAT = 38.9 N LONG= 29.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 TURKEY										
NOS= FELT IN ESKISEHIR AREA.										
GRF	E Z BE	P	17 14 09.3			2	1910	17.1	122.4	315.4
BUH	E Z GT	P	17 14 25.5				2050	18.4	114.4	309.4
FEB 27 ERL H= 18 05 53.2 LAT = 52.5 N LONG= 168.7 W DEPTH= 47 KM MAGNITUDE= 4.7 FOX ISLANDS, ALEUTIAN ISLANDS										
GRF	E Z BE	P	18 17 49.8			1	8700	78.2	360.0	0.1
BUH	E Z GT	P	18 17 54.8				8810	79.2	358.1	2.1
FUR	-I Z SL	P	18 17 59.-	1.5	1.49	8	8870	79.8	360.0	0.0
	-I Z SL	PCP	18 18 07.-	1.6	1.60	3				
FEB 28 ERL H= 06 37 49.5 LAT = 50.5 N LONG= 156.6 E DEPTH= 27 KM MAGNITUDE= 6.3 KURIL ISLANDS										
HLG	+ Z SL	P	06 49 16.-	24.0		9	8060	72.4	20.4	341.3
	- Z X	P	06 49 18.-	2.0	3.20	2				
HAM	E Z SX	P	06 49 19.-			3	8080	72.7	21.6	339.9
BRN	-E Z ET	P	06 49 18.-			2	8110	72.9	23.5	337.5
	+I Z ET	AP	06 49 27.0			4				
	+I Z ET	PCP	06 49 39.5			2				
BOC	-I Z B4	P	06 49 33.0	4.0	4.40	2	8350	75.1	19.7	340.3
	Z B4	MAXIMUM	07 27 00.0	20.0	5.92					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	-E Z SL	P	06 49 29.-	1.5	1.99	4	8360	75.2	22.4	337.5
	+I Z SL	-	06 49 30.-	2.0	2.51	9				
	+I Z SL	AP	06 49 32.-	2.0	2.94	3				
	Z SL	RM	07 27 40.-	19.0	6.23					
BNS	+E Z FS	P	06 49 33.2	2.7	3.41		8410	75.6	19.6	340.6
	+I Z SL	-	06 49 34.-	33.0						
	E Z SL	SP	07 00 08.-							
	E Z SL	SS	07 04 12.-							
	E Z SL	LR	07 13 30.-	72.0						
	Z SL	-	07 18 00.-	36.0						
	Z SL	-	07 27 00.-	21.0						
	Z FS	-	07 27 20.-	20.0	5.53					
GRF	E Z BE	P	06 49 34.8			2	8440	75.9	22.0	337.6
	-I Z BE	-	06 49 35.9			6				
	-I Z BE	-	06 49 38.5			9				
	E Z BE	-	06 49 42.1			3				
	I Z BE	-	06 49 44.5	1.2	3.09	9				
TNS	1I Z SL	P	06 49 37.0			3	8460	76.0	20.3	339.5
	1I Z SL	PCP	06 49 43.5			9				
	I Z SL	PP	06 52 45.0			9				
	I Z SL	PPP	06 54 38.0			9				
KKL	+I E WH	P	06 49 45.0	3.0		6	8580	77.2	20.2	339.1
STU	+I Z SL	P	06 49 22.0	26.0	5.06	9	8590	77.2	20.7	338.6
FUR	+I N SL	P	06 49 45.-	2.0	2.45	2	8600	77.3	21.9	337.0
	E SL	PM	07 27 00.-	15.0	4.23					
BUH	E Z GT	P	06 49 43.8				8620	77.5	20.1	339.1

FEB 28 ERL
H= 06 49 30.6
LAT = 50.4 N
LONG= 157.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
KURIL ISLANDS

GRF	-E Z BE	P	07 01 16.4			3	8470	76.1	21.6	338.0

FEB 28 ERL
H= 06 50 39.7
LAT = 50.1 N
LONG= 156.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
KURIL ISLANDS

GRF	+I Z BE	P	07 02 27.3	1.0	1.86	9	8490	76.3	21.9	337.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

FEB 28 ERL
H= 06 55 38.7
LAT = 50.1 N
LONG= 156.9 E
DEPTH= 48 KM
MAGNITUDE= 5.5
KURIL ISLANDS

GRF	+E Z BE	P	07 07 24.1	0.8	1.68	3	8490	76.4	21.9	337.9
BUH	E Z GT	P	07 07 33.0				8670	78.0	20.0	339.4

FEB 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	09 42 02.0			1				
	E N BE	S	09 43 02.2			2				
FUR	+E Z SL	-	09 43 04.-	1.9	1.95	8				

FEB 28 ERL
H= 10 18 41.3
LAT = 50.2 N
LONG= 156.7 E
DEPTH= 55 KM
MAGNITUDE= 4.9
KURIL ISLANDS

GRF	E Z BE	P	10 30 25.4			2	8470	76.2	22.0	337.7

FEB 28 ERL
H= 11 32 42.6
LAT = 50.1 N
LONG= 156.9 E
DEPTH= 48 KM
MAGNITUDE= 5.2
KURIL ISLANDS

BNS	-I Z FS	P	11 44 26.0	1.5	1.60		8460	76.0	19.5	340.8
GRF	E Z BE	P	11 44 28.2	1.3	1.93	2	8490	76.3	21.9	337.9
FUR	+I Z SL	P	11 44 36.-	1.7	1.21	9	8640	77.7	21.8	337.3
	+I Z SL	-	11 44 42.-	1.7	1.91	2				
	+I Z SL	XP	11 44 50.-	1.5	1.54	9				
	+I Z SL	XPCP	11 45 01.-	1.5	1.59	2				
	-I Z SL	-	11 45 08.-	2.0	2.14	2				
BUH	E Z GT	P	11 44 36.5				8670	78.0	20.0	339.4

FEB 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	14 13 47.4			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FEB 28 ERL H= 17 19 48.1 LAT = 40.2 N LONG= 40.3 E DEPTH= 34 KM TURKEY										
GRF	E Z BE	P	17 24 55.6			2	2510	22.5	103.8	304.6
FEB 28 ERL H= 20 46 11.5 LAT = 18.2 S LONG= 178.5 W DEPTH=540 KM (GEOPHYSICIST) MAGNITUDE= 4.4 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	21 04 57.4			2	16420	147.7	17.4	348.2
FEB 28 ERL H= 21 42 29.1 LAT = 53.6 N LONG= 164.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 UNIMAK ISLAND REGION										
GRF	+E Z BE	P	21 54 20.7			3	8560	77.0	357.3	3.0
BUH	E Z GT	P	21 54 25.6				8660	77.9	355.5	5.0
FEB 28 ERL H= 23 07 59.0 LAT = 0.2 S LONG= 124.4 E DEPTH= 87 KM MAGNITUDE= 5.5 MOLUCCA SEA										
GRF	E Z BE	PP	23 26 14.0			1	11670	105.0	72.1	321.8
FEB 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	23 40 45.6			2				
MAR 01 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	00 53 00.1							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 01 ERL H= 02 13 03.1 LAT = 49.9 N LONG= 157.3 E DEPTH= 30 KM MAGNITUDE= 5.5 KURIL ISLANDS REGION										
BNS	+I Z FS	P	02 30 51.0	1.3	1.78		8490	76.3	19.4	341.1
GRF	+I Z BE	P	02 30 53.1	1.1	2.25	9	8520	76.6	21.8	338.1
STU	+E Z BE	P	02 31 00.0	1.2	2.04	3	8670	78.0	20.5	339.1
FUR	-I Z SL	P	02 31 01.-	1.5	1.98	9	8680	78.0	21.7	337.5
	-I Z SL	AP	02 31 07.-	1.5	1.49	8				
	-I Z SL	XP	02 31 12.-	1.5	1.66	9				
	-I Z SL	XPCP	02 31 22.-	1.3	1.89	2				
BUH	+I Z GT	P	02 31 02.0				8700	78.3	19.9	339.6
MAR 01 ERL H= 03 20 19.9 LAT = 23.3 S LONG= 175.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 TONGA ISLANDS REGION										
GRF	E Z BE	PKP	03 40 26.4			1	17030	153.1	13.6	350.4
MAR 01 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	04 01 31.0			1				
MAR 01 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	11 05 42.-	1.7	1.86	5				
MAR 01 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 01 01.6			2				
	E N BE	SG	14 01 16.8			1				
MAR 01 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 03 22.6			1				
	E N BE	SG	14 03 38.9			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 01 ERL H= 14 05 04.5 LAT = 17.4 S LONG= 173.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 TONGA ISLANDS										
GRF	E Z BE	PKP	14 25 49.4			2	16410	147.6	7.7	354.8
FUR	-E Z SL	PKP1	14 25 53.-	2.0	1.94	4	16580	149.1	8.1	354.3
	-E Z SL	PKHKP	14 25 58.-	2.0	1.94	4				
	-I Z SL	PKP2	14 26 03.-	1.8	1.78	2				
	+E Z SL	APKP	14 26 12.-	2.0	2.00	2				
	-E Z SL	XPKP	14 26 18.-	2.0	2.05	2				
MAR 01 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 06 25.0			1				
	E N BE	SG	14 06 50.6			2				
MAR 02 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	08 15 00.3			1				
	E N BE	S	08 16 01.1			1				
MAR 02 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	08 54 52.8			1				
	E N BE	SG	08 55 36.3			2				
MAR 02 ERL H= 11 57 54.8 LAT = 4.9 S LONG= 68.6 E DEPTH= 33 KM (NORMAL) CHAGOS ARCHIPELAGO REGION										
GRF	E Z BE	P	12 09 20.4			1	8170	73.5	113.0	325.2
	E Z BE	-	12 09 44.4			2				
MAR 02 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	12 52 41.0							
	E N X	SG	12 52 46.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z FS		12 52 50.-	1.0	2.15					
MAR 03 ERL H= 01 43 41.8 LAT = 25.0 N LONG= 128.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 RYUKYU ISLANDS										
GRF	E Z BE	P	01 56 26.2	1.2	1.52	3	9680	87.0	54.1	324.6
FUR	-I Z SL	P	01 56 31.-	1.3	1.79	2	9770	87.9	54.1	323.3
	+I Z SL	XP	01 56 43.-	1.5	1.54	5				
MAR 03 ERL H= 02 42 09.0 LAT = 50.4 N LONG= 156.3 E DEPTH= 59 KM MAGNITUDE= 5.5 KURIL ISLANDS										
GRF	E Z BE	-	02 53 51.0	0.6	1.33	2	8440	75.9	22.2	337.4
FUR	+I Z SL	P	02 54 01.-	1.3	1.84	9	8590	77.3	22.1	336.8
	+I Z SL	-	02 54 06.-	1.3	1.73	4				
	-I Z SL	XP	02 54 14.-	1.5	1.54	1				
BUH	E Z GT	P	02 54 00.4				8620	77.5	20.3	338.9
MAR 03 ERL H= 02 46 25.3 LAT = 29.5 N LONG= 51.2 E DEPTH= 34 KM MAGNITUDE= 4.6 SOUTHERN IRAN										
FUR	-I Z SL	P	02 53 23.-	1.5	1.49	8	3970	35.7	106.8	312.7
	+I Z SL	-	02 53 25.-	1.5	1.76	3				
	+I Z SL	AP	02 53 29.-	1.5	1.59	1				
GRF	E Z BE	P	02 53 25.6	0.7	1.36	2	4030	36.2	108.7	315.1
MAR 03 ERL H= 03 00 03.3 LAT = 41.8 N LONG= 118.5 W DEPTH= 5 KM (GEOPHYSICIST) MAGNITUDE= 4.7 NEVADA										
GRF	E Z BE	P	03 12 11.8			2	3750	73.8	324.1	30.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 03 BCS H= 05 36 37.0 LAT = 50.3 N LONG= 12.5 E GERMANY										
BCIS= REGION OF VOGTLAND, GERMAN DEMOCRATIC REPUBLIC.										
HOF	+I Z SL	PG	05 36 44.-	1.0	3.07	9	40	0.4	91.7	272.2
	-I Z SL	SG	05 36 49.-	1.0	2.73	3				
	Z SL	MAXIMUM	05 36 51.-	1.0	3.21					
GRF	+I Z BE	PG	05 36 56.9			9	110	1.0	53.1	234.1
	E Z BE	SG	05 37 11.5			5				
FUR	+I Z SL	PG	05 37 24.-	1.1	2.06	3	250	2.3	20.1	201.0
	-I Z SL	SB	05 37 52.-	0.9	2.23	2				
	+I Z SL	SG	05 37 56.-	0.9	2.20	3				
	Z SL	MAXIMUM	05 38 25.-	1.7	2.03					
STU	E Z BE	PG	05 37 25.3	0.4	1.94	2	290	2.6	53.4	235.9
	E Z BE	SG	05 38 00.0	0.5	2.34	3				
BUH	E Z GT	PN	05 37 26.9				360	3.2	58.1	241.4
BNS	E Z FS	PG	05 37 42.-				380	3.5	99.0	283.1
	E Z FS	-	05 38 00.8							
	E N X	SG	05 38 26.5	1.0	2.00					
	I Z FS	-	05 38 31.0	1.5	1.78					
MAR 03 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	06 27 14.6							
MAR 03 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	07 41 14.5			3				
	E N BE	SG	07 41 27.5			3				
MAR 03 ERL H= 10 22 46.2 LAT = 40.2 N LONG= 78.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	10 31 18.6			1	5260	47.3	74.5	305.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 03 BCS H= 10 53 42.0 LAT = 50.3 N LONG= 12.5 E GERMANY										
MAR 03 ERL H= 10 53 42.2 LAT = 50.3 N LONG= 12.4 E DEPTH= 6 KM GERMANY										
BCIS= REGION OF VOGTLAND, GERMAN DEMOCRATIC REPUBLIC.										
HOF	+I Z SL	PG	10 53 48.-	1.0	3.10	9	40	0.4	91.7	272.2
	+I Z SL	SG	10 53 51.-	1.0	2.40	3				
	Z SL	MAXIMUM	10 53 55.-	1.0	3.10					
GRF	+I Z BE	PG	10 54 02.1			9	110	1.0	53.1	234.1
	E Z BE	SG	10 54 15.2			2				
FUR	-I Z SL	PG	10 54 29.-	1.3	1.96	3	250	2.3	20.1	201.0
	+I Z SL	SB	10 54 55.-	1.0	2.18	8				
	-I Z SL	SG	10 55 02.-	1.0	2.43	3				
	Z SL	MAXIMUM	10 55 30.-	1.5	1.81					
STU	E Z BE	PG	10 54 30.9	0.5	1.97	2	290	2.6	53.4	235.9
	E N BE	SG	10 55 05.3	0.5	1.97	2				
BUH	E Z GT	P	10 54 31.0				360	3.2	58.1	241.4
BNS	E Z FS	PG	10 54 46.0				380	3.5	99.0	283.1
	-E Z FS	-	10 54 48.5							
	E N X	SG	10 55 31.6	1.2	2.18					
	E E X	-	10 55 32.5	1.2	2.15					
	E Z FS	-	10 55 34.7	1.5	1.90					
MAR 03 ERL H= 13 21 32.0 LAT = 29.4 S LONG= 176.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 KERMADEC ISLANDS REGION										
GRF	E Z BE	PKP	13 42 09.1			1	17660	158.8	19.7	345.5
MAR 04 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	03 40 23.8			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 04										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	06 24 56.8			6				
	E N BE	SG	06 25 10.3			3				
MAR 04										
NO DETERMINATION OF EPICENTER										
HOF= REGION OF VOGTLAND, GERMAN DEMOCRATIC REPUBLIC.										
HOF	-I N SL	SG	07 14 33.-	1.0	2.25	2				
GRF	+I Z BE	PG	07 14 41.3			4				
	E N BE	SG	07 14 54.7			2				
MAR 04										
NO DETERMINATION OF EPICENTER										
GRF	+E Z BE	P	11 36 37.8			2				
MAR 04 ERL										
H= 14 12 15.7										
LAT = 7.3 S										
LONG= 13.3 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
ASCENSION ISLAND REGION										
FUR	-I Z SL	P	14 22 18.-	2.0	2.10	9	6600	59.3	208.7	18.9
	+I Z SL	AP	14 22 27.-	1.8	2.08	4				
	-E Z SL	XP	14 22 31.-	1.9	1.89	2				
	+E Z SL	PCP	14 23 07.-	1.5	1.36	6				
	-E Z SL	APCP	14 23 15.-	1.5	1.43	1				
GPF	E Z BE	P	14 22 24.6			1	6750	60.7	208.2	18.0
MAR 04 ERL										
H= 17 57 43.5										
LAT = 54.8 N										
LONG= 161.6 E										
DEPTH= 32 KM										
MAGNITUDE= 6.1										
NEAR EAST COAST OF KAMCHATKA										
HLG	+ Z X	P	18 08 48.-			3	7700	69.2	15.9	343.8
HAM	E Z SX	P	18 08 51.-			1	7740	69.6	17.0	342.4
	E Z SX	-	18 08 54.-			7				
BRN	+I Z ET	P	18 08 54.6			1	7780	69.9	18.8	340.0
HOF	+I Z SL	P	18 09 08.-	2.0	3.65	9	8030	72.2	17.8	340.2
	+I Z SL	AP	18 09 15.-	2.0	2.81	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	XP	18 09 22.-	2.0	3.05	7				
	-I Z SL	PCP	18 09 26.-	2.0	3.05	7				
	+I Z SL	-	18 09 46.-	2.0	3.05	9				
	Z SL	RM	18 46 40.-	15.0	4.34					
BNS	-I Z FS	P	18 09 09.0	1.7	2.86		8050	72.4	15.2	343.4
	+I Z SL	-	18 09 10.-							
	E Z SL	PP	18 11 52.-							
	E Z SL	PPP	18 13 48.-							
	E Z SL	S	18 18 27.-							
	Z SL	LR	18 32 24.-	52.0						
	Z SL	-	18 36 30.-	30.0						
GRF	+E Z BE	P	18 09 11.9			4	8110	72.9	17.4	340.4
	I Z BE	-	18 09 14.1	1.1	3.21	9				
KRL	+I Z WH	P	18 09 21.-	2.0		9	8240	74.1	15.7	342.0
STU	-E Z BE	P	18 09 19.0	1.0	2.66	3	8250	74.2	16.2	341.4
FUR	-E Z SL	P	18 09 18.-	2.0	1.80	2	8270	74.4	17.3	339.9
	+I Z SL	-	18 09 21.-	1.5	2.89	9				
	-I Z SL	-	18 10 09.-	1.5	2.36	4				
	-I Z SL	PP	18 12 04.-	1.7	2.51	4				
	Z SL	RM	18 48 30.-	14.0	4.12					
BUH	E Z GT	P	18 09 20.0				8280	74.5	15.6	342.0
MAR 04 ERL										
H= 20 25 07.6										
LAT = 26.5 S										
LONG= 67.6 E										
DEPTH= 33 KM (NORMAL)										
SOUTH INDIAN OCEAN										
FUR	+I Z SL	P	20 38 05.-	1.3	1.79	8	9990	89.8	131.8	326.1
MAR 05										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	12 51 15.2							
	E N X	SG	12 51 21.-							
	E Z FS	-	12 51 21.-	1.0	1.95					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 05 ERL H= 20 06 11.9 LAT = 51.5 N LONG= 7.2 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
MAR 05 BCS H= 20 06 15.0 LAT = 51.5 N LONG= 7.3 E GERMANY										
BNS= H= 20 06 14, 51 DEG. 33 MIN. N, 7 DEG. 13 MIN. E. ROCKBURST IN THE RUHR COAL DISTRICT. FELT AT HERNE. ONE MINER KILLED IN THE MINE ≠FRIEDRICH DER GROSSE≠. MLOC= 3.3 (BNS), MLGH= 2.7 (BNS).										
BNS	-I Z FS	PG	20 06 25.3				60	0.6	0.8	180.8
	E N X	SG	20 06 34.5	0.5	3.05					
	E E X		20 06 33.2							
	E X	-	20 06 45.-	1.6	3.56					
TNS	E Z X	PN	20 06 41.0			2	170	1.5	329.0	148.0
	E 7 X	PG	20 06 47.-			3				
BUH	E Z GT	PG	20 07 00.9				330	2.9	347.2	166.4
GPF	+E Z BE	P	20 07 04.5	0.9	1.46	3	350	3.2	307.1	124.0
	E 7 BE	-	20 07 16.5			2				
	E N BE	S	20 07 59.6			2				
FUR	-E Z SL	PG	20 07 59.-	1.5	1.18	2	480	4.3	323.3	140.2
	-E Z SL	SB	20 08 49.-	1.5	1.28	2				
	+E 7 SL	SG	20 09 03.-	1.7	1.61	1				
	Z SL	MAXIMUM	20 09 32.-	1.9	2.09					
MAR 05 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	21 00 07.9			2				
MAR 05 ERL H= 21 39 55.3 LAT = 43.6 N LONG= 147.6 E DEPTH= 35 KM MAGNITUDE= 4.1 KURIL ISLANDS										
GRF	E Z BE	P	21 51 56.2			2	4340	73.5	30.6	332.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 05 ERL H= 23 20 26.0 LAT = 6.2 N LONG= 126.9 E DEPTH= 84 KM MAGNITUDE= 5.3 MINDANAO, PHILIPPINE ISLANDS										
GRF	E Z BE	PP	23 34 10.9			1	11280	101.4	66.2	323.3
MAR 05 ERL H= 23 59 46.6 LAT = 27.7 N LONG= 33.6 E DEPTH= 25 KM MAGNITUDE= 4.5 UNITED ARAB REPUBLIC										
MAR 05 BCS H= 23 59 58.0 LAT = 27.7 N LONG= 33.5 E UNITED ARAB REPUBLIC										
FUR	-E Z SL	P	00 05 31.-	1.5	1.18	4	2980	26.8	131.6	325.6
	-E Z SL	PPP	00 06 20.-	1.5	1.28	1				
	-E Z SL	-	00 06 44.-	1.3	1.35	1				
GRF	E Z BE	P	00 05 40.6			2	3100	27.9	133.7	328.0
MAR 06 ERL H= 03 58 40.2 LAT = 18.1 N LONG= 120.7 E DEPTH= 38 KM MAGNITUDE= 5.1 LUZON, PHILIPPINE ISLANDS										
GRF	E Z BE	P	04 11 22.4			1	9820	88.3	63.8	322.2
FUR	+I Z SL	P	04 11 26.-	1.5	1.43	4	9900	89.0	63.8	320.8
BUH	E Z GT	P	04 11 32.0				10070	90.6	61.5	322.2
MAR 06 NO DETERMINATION OF EPICENTER FUR= EXPLOSION AT ESCHENLOHE.										
FUR	7 SL	MAXIMUM	10 21 17.-	1.7	1.76					
MAR 06 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	Z SL	MAXIMUM	11 08 55.-	1.5	1.59					

MAR 06
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	11 23 56.0			1				
	E Z JM	PG	11 23 58.4			2				
	E N BE	SG	11 24 17.1			2				

MAR 06 ERL
H= 18 32 05.1
LAT = 50.0 N
LONG= 156.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	E Z BE	P	18 43 52.8			2	8500	76.4	22.1	337.8

MAR 06 ERL
H= 22 19 32.7
LAT = 27.5 N
LONG= 112.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
BAJA CALIFORNIA

HOF	Z SL	RM	23 19 30.-	15.0	3.64		9800	88.2	312.8	32.0
GRF	E Z BE	P	22 32 22.7			2	9820	88.3	312.3	32.7
FUR	E SL	PM	23 13 00.-	15.0	3.46		9930	89.3	312.4	33.8

MAR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	23 37 55.7							
GRF	E Z BE	PG	23 38 09.7			1				
	E N BE	SG	23 38 53.1			4				

MAR 07
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	01 36 54.1			2				

MAR 07
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	03 04 10.8			1				
	E N BE	S	03 05 14.2			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAR 07 ERL
H= 03 18 13.2
LAT = 27.7 N
LONG= 139.9 E
DEPTH=465 KM
MAGNITUDE= 4.9
BONIN ISLANDS REGION

GRF	E Z BE	P	03 30 25.4	1.0	1.54	2	10050	90.4	43.8	329.5
FUR	+I Z SL	P	03 30 30.-	1.3	2.00	9	10170	91.5	43.9	328.4

MAR 07
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	-	06 16 37.-	1.5	1.59	3				
	-E Z SL	-	06 18 16.-	1.5	1.59	3				

MAR 07 BCS
H= 06 35 09.0
LAT = 41.9 N
LONG= 20.1 E
ALBANIA

MAR 07 ERL
H= 06 35 10.7
LAT = 41.8 N
LONG= 20.0 E
DEPTH= 48 KM
MAGNITUDE= 4.0
ALBANIA

NOS= FELT (V) IN SOUTHWEST YUGOSLAVIA IN THE REGION OF BAR.

FUR	+E Z SL	S	06 38 34.-	1.5	1.36	6	930	8.8	131.9	318.1
	+I Z SL	SS	06 38 53.-	2.0	2.10	2				
	-I Z SL	-	06 39 08.-	2.0	2.05	2				
	Z SL	MAXIMUM	06 40 40.-	2.0	2.40					
GRF	E Z BE	P	06 37 33.9			1	1110	10.0	138.2	324.5
BUH	E Z GT	P	06 37 44.5				1200	10.8	124.6	313.1

MAR 07 ERL
H= 08 25 02.9
LAT = 31.0 S
LONG= 179.0 W
DEPTH=114 KM
MAGNITUDE= 5.0
KERMADEC ISLANDS REGION

GRF	E Z BE	PKP	08 45 27.7			2	17770	159.8	26.2	340.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
MAR 07 ERL H= 12 54 55.6 LAT = 33.5 S LONG= 179.6 W DEPTH= 6 KM MAGNITUDE= 5.6 SOUTH OF KERMADEC ISLANDS										
GRF	E Z BE	PKP	13 15 43.6			2	18010	161.9	30.5	336.8
MAR 07 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	16 27 30.6			1				
	E N BE	S	16 28 53.-			1				
MAR 08 ERL H= 13 03 13.5 LAT = 17.7 S LONG= 178.9 W DEPTH=582 KM MAGNITUDE= 4.8 FIJI ISLANDS REGION										
BNS	+I Z FS	PKP	13 21 51.3	1.3	1.78		16290	146.5	10.5	353.1
GRF	+E Z BE	PKP	13 21 53.2			6	16350	147.1	17.9	347.3
FUP	-E Z SL	PKP1	13 21 53.-	2.0	1.94	2	16510	148.5	18.7	347.0
	+I Z SL	PKHKP	13 21 57.-	1.9	2.44	4				
	+I Z SL	PKP2	13 22 04.-	2.0	2.35	2				
BUH	E Z GT	PKP	13 21 56.8				16520	148.6	13.0	351.0
MAR 08 ERL H= 14 35 18.4 LAT = 23.0 S LONG= 175.6 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 TONGA ISLANDS REGION										
GRF	E Z BE	PKP	14 55 24.2			2	17000	152.8	13.9	350.3
BUH	E Z GT	PKP	14 55 30.2				17150	154.2	8.1	354.2
MAR 08 NO DETERMINATION OF EPICENTER										
FUP	+I Z SL	-	14 48 55.-	1.7	1.91	2				
	+I Z SL	-	14 49 16.-	1.8	2.08	6				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
MAR 08 ERL H= 16 10 00.2 LAT = 37.1 N LONG= 116.0 W DEPTH= 0 KM MAGNITUDE= 5.4 SOUTHERN NEVADA NOS= 37 DEG. 06 MIN. 12.66 SEC. N, 116 DEG. 01 MIN. 36.75 SEC. W, NEVADE TEST SITE. MAG. 5.4 (BRK).										
BNS	-I Z FS	P	16 22 07.8	1.6	1.85		8800	79.1	317.1	32.6
BUH	E Z GT	P	16 22 13.6				9040	81.3	318.0	33.7
GRF	+E Z BE	P	16 22 21.9	1.0	1.51	3	9100	81.8	320.0	31.5
FUP	-I Z SL	P	16 22 28.-	1.7	2.14	9	9230	83.0	320.2	32.4
MAR 08 ERL H= 21 02 32.1 LAT = 18.5 N LONG= 105.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 OFF COAST OF JALISCO, MEXICO										
GRF	E Z BE	P	21 15 37.5			1	10220	91.9	301.6	35.7
MAR 09 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	06 41 57.0							
MAR 09 ERL H= 09 58 09.2 LAT = 13.8 N LONG= 91.3 W DEPTH=114 KM MAGNITUDE= 4.7 NEAR COAST OF GUATEMALA										
GRF	E Z BE	P	10 10 48.8			2	9730	87.5	288.3	39.4
	E Z BE	-	10 11 14.4			2				
MAR 09 ERL H= 10 06 37.7 LAT = 6.3 N LONG= 127.3 E DEPTH= 55 KM MAGNITUDE= 6.0 PHILIPPINE ISLANDS REGION										
HOF	-E Z SL	P	10 20 23.-	?.0	?.51	9	11230	101.0	66.1	323.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	-I Z SL	APCP	10 20 28.-	2.0	2.51	9			
	-I Z SL	XPCP	10 20 38.-	2.0	2.51	9			
	-E Z SL	PP	10 24 33.-	6.0	3.38	4			
	-I Z SL	SP	10 33 26.-	7.0	3.69	4			
	+I Z SL	-	10 34 08.-	8.0	3.61	9			
	Z SL	PM	11 10 20.-	16.0	4.22				
HLG	E Z SL	P	10 20 28.-			2	11290	101.5	62.1 328.5
	E Z SL	PP	10 24 39.0			2			
	-E Z SL	PPP	10 25 06.-			2			
	+I Z SL	S	10 33 31.0			4			
GRF	-E Z BE	P	10 20 26.0	2.0	2.37	4	11300	101.6	65.7 323.5
	E Z BE	PP	10 24 25.5			2			
	E Z BE	-	10 33 31.7			2			
FUR	-E Z SL	P	10 20 28.-	2.0	2.48	9	11370	102.2	66.0 322.0
	-I Z SL	-	10 20 33.-	1.8	2.30	7			
	-I Z SL	AP	10 20 43.-	1.9	2.22	3			
	+I Z SL	PP	10 24 44.-	1.7	2.31	4			
	Z SL	PM	11 12 00.-	21.0	3.97				
BNS	-I Z FS	P	10 20 33.5	2.0	1.85		11500	103.4	62.1 325.8
	E Z FS	PP	10 24 33.-						
	E Z SL	SP	10 33 43.-						
	E Z SL	LR	11 00 15.-	56.0					
	Z SL	-	11 12 20.-	19.0					
BUH	E Z GT	P	10 20 35.5				11550	103.8	63.4 323.4

MAR 09
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 48 48.1		2	
	E N BE	SG	11 49 20.7		1	

MAR 09 EPL
H= 13 58 41.3
LAT = 50.0 N
LONG= 157.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
KURIL ISLANDS

GRF	E Z BE	P	14 10 29.6			2	8500	76.5	21.9 338.0

MAR 09
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	14 58 33.-	1.5	1.28	3			
	-I Z SL	-	14 58 46.-	2.0	2.10	9			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.

MAR 09 ERL
H= 19 09 12.8
LAT = 34.1 S
LONG= 150.3 E
DEPTH= 13 KM
MAGNITUDE= 5.5
NEAR S.E. COAST OF AUSTRALIA

NOS= MINOR DAMAGE (VI) IN SYDNEY AREA.

HAM	E Z SX	PKP	19 28 54.-			3	16240	146.0	71.4 316.9
	E Z SX	PKP2	19 29 01.-			4			
GRF	+E Z BE	PKP	19 28 54.4			7	16260	146.3	78.2 310.0
FUR	-E Z SL	PKP1	19 28 53.-	2.2	2.53	9	16290	146.5	80.5 307.2
	-I Z SL	PKHKP	19 28 55.-	2.0	2.44	4			
	+I Z SL	PKP2	19 28 59.-	2.0	2.50	4			
	-I Z SL	XPKP	19 29 08.-	1.5	1.73	9			
STU	+E Z BE	PKP	19 28 57.8	1.0	2.10	3	16430	147.8	77.6 308.8
BUH	E Z GT	PKP	19 28 59.7				16500	148.4	76.8 308.9
BNS	+I Z FS	PKP	19 29 00.0	1.5	1.90		16510	148.4	72.1 313.5

MAR 10
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	09 03 08.5		1	
	E Z JM	PG	09 03 09.2		3	
	E N BE	SG	09 03 23.8		4	

MAR 10 ERL
H= 09 50 00.3
LAT = 15.2 S
LONG= 173.5 W
DEPTH= 8 KM
MAGNITUDE= 5.6
TONGA ISLANDS

BNS	E Z FS	PKP	10 09 37.2	1.0	1.60		16050	144.3	1.2 359.2
GRF	-E Z BE	PKIKP	10 09 40.6	1.6	2.15	2	16160	145.4	8.1 354.6
	E Z BE	PKHKP	10 09 55.0			4			
BUH	E Z GT	PKP	10 09 44.4				16300	146.6	3.1 357.9
FUR	-I Z SL	PKP1	10 09 47.-	1.5	1.73	1	16330	146.9	8.5 354.1
	-I Z SL	-	10 10 01.-	1.5	1.96	5			
	-I Z SL	-	10 10 08.-	1.7	1.56	9			
	+E Z SL	PP	10 13 15.-	2.2	2.19	2			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 10 ERL H= 14 19 11.5 LAT = 15.4 S LONG= 172.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 SAMOA ISLANDS REGION										
BNS	E Z FS	PKP	14 38 45.2	2.0	1.78		16070	144.5	359.8	0.1
	E Z FS	-	14 38 58.2							
GRF	+E Z BF	PKIKP	14 38 49.6	1.4	2.10	4	16190	145.6	6.7	355.5
	E Z BE	PKHKP	14 39 02.3			6				
BUH	E Z GT	PKP	14 38 52.9				16320	146.8	1.6	358.3
FUR	+E Z SL	PKP1	14 38 54.-	1.3	1.89	9	16360	147.1	7.1	355.1
	+I Z SL	PKHKP	14 38 56.-	1.3	1.83	3				
	+I Z SL	APKP	14 39 07.-	1.2	2.00	9				
MAR 10 ERL H= 17 56 12.9 LAT = 61.3 S LONG= 154.1 E DEPTH= 33 KM (NORMAL) BALLENY ISLANDS REGION										
GRF	E Z BE	PKP	18 16 42.8			1	17390	156.4	133.5	257.5
MAR 10 ERL H= 18 07 56.2 LAT = 23.1 S LONG= 175.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 TONGA ISLANDS REGION										
GRF	-E Z BE	PKP	18 28 03.6			3	17000	152.9	13.5	350.5
FUR	-I Z SL	APKP	18 28 22.-	2.0	2.40	9	17170	154.4	14.3	349.6
MAR 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	21 47 05.5			2				
	E N BE	SG	21 47 19.2			4				
MAR 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	21 50 13.2			1				
	E N BE	SG	21 50 32.9			4				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	21 59 26.2			2				
	E N BE	SG	21 59 39.4			4				
MAR 11 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	P	00 46 52.8							
MAR 11 BCS H= 04 25 29.0 LAT = 37.0 N LONG= 1.0 E WESTERN MEDITERRANEAN SEA										
GRF	E Z BF	P	04 28 58.1			1	1630	14.7	214.1	27.0
	I Z BE	-	04 29 04.6			4				
MAR 11 BCS H= 06 58 17.0 LAT = 50.3 N LONG= 12.5 E GERMANY BCIS= REGION OF VOGTLAND, GERMAN DEMOCRATIC REPUBLIC.										
GRF	+I Z BE	PG	06 58 36.9			4	110	1.0	53.1	234.1
	I N BE	SG	06 58 49.6			2				
BUH	E Z GT	PN	06 59 12.0				360	3.2	58.1	241.4
MAR 11 BCS H= 09 05 22.0 LAT = 50.3 N LONG= 12.5 E GERMANY BCIS= REGION OF VOGTLAND, GERMAN DEMOCRATIC REPUBLIK.										
HOF	-I Z SL	PG	09 05 29.-	1.0	2.43	9	40	0.4	91.7	272.2
	-I Z SL	SG	09 05 35.-	1.0	2.43	3				
GRF	+I Z BE	PG	09 05 42.2			9	110	1.0	53.1	234.1
	E N BE	SG	09 05 55.0			2				
BUH	E Z GT	PN	09 06 14.0				360	3.2	58.1	241.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 11 BCS H= 12 17 16.0 LAT = 50.3 N LONG= 12.5 E GERMANY										
MAR 11 ERL H= 12 17 19.8 LAT = 50.4 N LONG= 12.6 E DEPTH= 33 KM (NORMAL) GERMANY										
BCIS= REGION OF VOGTLAND, GERMAN DEMOCRATIC REPUBLIC. MLOC≠ 3.8 (BNS).										
HOF	+I Z SL	PG	12 17 23.-	1.0	3.05	9	40	0.4	91.7	272.2
	+I Z SL	PG	12 17 27.-	1.0	3.35	9				
	Z SL	MAXIMUM	12 17 35.-	1.0	3.48					
GRF	+I Z BF	PG	12 17 36.3			9	110	1.0	53.1	234.1
FUR	+I Z SL	PB	12 18 06.-	1.1	2.16	3	250	2.3	20.1	201.0
	-I Z SL	PG	12 18 14.-	1.5	2.49	2				
	+I Z SL	SN	12 18 35.-	1.0	2.24	2				
	Z SL	MAXIMUM	12 19 40.-	1.5	2.13					
TNS	E Z X	PN	12 18 05.-			3	290	2.6	86.8	269.9
	E Z X	PG	12 18 14.5			3				
STU	E Z BE	PN	12 18 02.6				290	2.6	53.4	235.9
	E N BE	SN	12 18 33.0							
	E N BE	SG	12 18 43.2	0.6	2.84	2				
BUH	E Z GT	PN	12 18 07.0				360	3.2	58.1	241.4
BNS	E Z FS	PG	12 18 15.6				380	3.5	99.0	283.1
	E Z FS	-	12 18 26.7							
	E E X	SG	12 19 12.5	1.5	2.32					
MAR 11 EPL H= 13 37 47.3 LAT = 41.6 N LONG= 142.0 E DEPTH= 73 KM MAGNITUDE= 5.5 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	13 49 47.3	0.8	1.40	2	8830	79.4	35.3	330.0
	E Z BE	AP	13 50 04.2			2				
FUR	-I Z SL	P	13 49 54.-	2.0	2.10	3	8960	80.6	35.2	329.1
	-E Z SL	AP	13 50 13.-	1.5	1.59	3				
	-I Z SL	XPCP	13 50 32.-	1.5	1.70	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	13 50 02.0				9040	81.3	33.2	331.0
MAR 11 ERL H= 14 53 07.4 LAT = 21.0 N LONG= 120.2 E DEPTH= 32 KM MAGNITUDE= 4.8 TAIWAN REGION										
GRF	E Z BE	P	15 05 45.8			1	9530	85.7	62.4	322.0
	E Z BE	-	15 05 55.0			1				
MAR 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	23 33 45.0							
MAR 12 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	09 35 46.4			2				
	E N BE	SG	09 36 05.6			4				
MAR 12 ERL H= 10 04 34.2 LAT = 43.7 N LONG= 147.9 E DEPTH= 55 KM MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	10 16 38.9			1	8850	79.6	30.4	333.0
MAR 12 ERL H= 11 14 23.6 LAT = 50.1 N LONG= 156.7 E DEPTH= 43 KM MAGNITUDE= 5.7 KURIL ISLANDS										
HOF	+I Z SL	P	11 26 03.-	2.0	2.68	3	8400	75.6	22.5	337.6
	-E Z SL	XP	11 26 18.-	1.5	2.09	5				
	Z SL	RM	12 04 00.-	19.0	5.02					
BNS	-E Z FS	P	11 26 05.6	1.5	2.00		8450	76.0	19.6	340.7
STU	+E Z BE	P	11 26 16.0	1.2	2.20	3	8630	77.6	20.7	338.7
FUR	+I Z SL	P	11 26 16.-	1.5	2.19	3	8640	77.7	21.9	337.1
	+I Z SL	-	11 26 22.-	1.5	1.76	8				
	-I Z SL	AP	11 26 27.-	1.8	2.00	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	+I Z SL	XP	11 26 31.-	2.0	2.24	9			
	+I Z SL	XPCP	11 26 42.-	2.0	2.24	5			
	N SL	RM	12 07 00.-	15.0	3.57				
BUH	+I Z GT	P	11 26 17.3				8670	77.9	20.1 339.3

MAR 12 ERL
H= 12 39 02.0
LAT = 4.2 N
LONG= 126.5 E
DEPTH= 37 KM
MAGNITUDE= 5.5
TALAUD ISLANDS

GRF	E Z BE	P	12 52 58.3			1	11430	102.8	67.7 323.0
	E Z BE	PP	12 57 23.4			2			
FUR	+E Z SL	-	12 56 35.-	1.5	1.28	3	11490	103.3	68.0 321.5
	-E Z SL	PP	12 57 20.-	1.5	1.28	2			
	N SL	OM	13 37 30.-	27.0	3.60				

MAR 12 BCS
H= 13 21 48.0
LAT = 31.9 N
LONG= 49.7 E
WESTERN IRAN

MAR 12 ERL
H= 13 21 49.1
LAT = 32.1 N
LONG= 49.3 E
DEPTH= 62 KM
MAGNITUDE= 4.9
WESTERN IRAN

NOS= FELT AT MASJED SOLAIMAN.

FUR	-I Z SL	P	13 28 19.-	1.8	2.11	2	3690	33.2	105.1 310.6
	+I Z SL	-	13 28 24.-	1.5	1.76	3			
	+I Z SL	AP	13 28 32.-	1.5	1.76	2			
GRF	E Z BE	P	13 28 23.0	0.6	1.13	2	3740	33.7	107.3 313.2
	E Z BE	-	13 28 27.9			3			

MAR 12
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	14 03 42.7			1
	E Z JM	PG	14 03 45.7			2
	E N BE	SG	14 04 09.0			2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.

MAR 12 ERL
H= 15 39 58.1
LAT = 31.9 N
LONG= 49.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
WESTERN IRAN

GRF	E Z BE	P	15 46 35.4			1	3710	33.3	107.9 313.4

MAR 12 ERL
H= 16 27 24.0
LAT = 73.6 N
LONG= 8.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
GREENLAND SEA

MAR 12 BCS
H= 16 27 25.0
LAT = 73.3 N
LONG= 8.3 E
GREENLAND SEA

BNS	+E Z FS	P	16 32 22.5	1.6	1.78		2530	22.7	1.1 182.4
HOF	-E Z SL	P	16 32 31.-	1.5	1.87	3	2610	23.4	357.7 174.7
	-E Z SL	AP	16 32 37.-	1.5	1.99	4			
	-E Z SL	XP	16 32 41.-	1.5	2.17	6			
GRF	E Z BE	P	16 32 36.8	2.0	2.14	4	2670	24.0	358.2 175.3
BUH	E Z GT	P	16 32 47.0				2780	25.0	0.3 180.6
FUR	-E Z SL	P	16 32 51.-	1.5	1.73	4	2840	25.6	358.3 175.9
	+I Z SL	AP	16 33 01.-	1.5	2.03	3			
	-I Z SL	PP	16 33 33.-	1.8	2.00	5			

MAR 12 BCS
H= 17 16 35.0
LAT = 44.1 N
LONG= 12.1 E
NORTHERN ITALY

FUR	+E Z SL	SB	17 18 45.-	1.5	1.18	4	460	4.1	171.7 352.3
	+E Z SL	SG	17 18 54.-	1.5	1.28	1			
	Z SL	MAXIMUM	17 20 44.-	1.9	2.05				
BUH	E Z GT	PN	17 17 51.3				530	5.3	148.2 331.0
GRF	E Z JM	P	17 17 55.2			2	630	5.6	173.5 354.2
	E E BE	S	17 18 57.7			1			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 12 ERL H= 17 44 13.9 LAT = 73.7 N LONG= 9.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 GREENLAND SEA										
BNS	E Z FS	P	17 49 13.8				2540	22.9	1.5	183.3
FUR	-E Z SL	P	17 49 44.-	1.5	1.43	4	2860	25.7	358.6	176.8
	+I Z SL	AP	17 49 52.-	1.5	1.59	2				
MAR 12 ERL H= 19 39 21.0 LAT = 50.8 N LONG= 157.1 E DEPTH= 54 KM MAGNITUDE= 6.1 KURIL ISLANDS										
HLG	+ Z SL	P	19 50 42.-			9	8030	72.2	19.9	341.6
HAM	+I Z SX	P	19 50 43.8			9	8060	72.5	21.1	340.1
BRN	+I Z ET	P	19 50 44.8			7	8080	72.7	23.0	337.8
HDF	+I Z SL	P	19 50 57.-	2.0	2.99	9	8340	75.0	22.0	337.3
	+E Z SL	APCP	19 51 19.-	1.5	2.09	2				
	-I Z SL	PP	19 53 33.-	4.0	3.05	9				
	Z SL	PM	20 29 30.-	18.0	4.67					
BNS	+I Z FS	P	19 51 00.2	2.0	2.57		8390	75.4	19.2	340.9
	+I Z SL	-	19 51 00.2							
	E Z SL	S	20 00 28.-							
	E Z SL	SS	20 06 48.-							
	E Z SL	LR	20 15 28.-	60.0						
	Z SL	-	20 27 30.-	22.0						
GRF	+I Z BE	P	19 51 02.4	1.2	2.49	9	8420	75.7	21.5	337.9
	-E Z BE	AP	19 51 57.5			4				
STU	+E Z BE	P	19 51 09.3	1.2	2.36	5	8570	77.0	20.2	338.9
FUR	+I Z SL	P	19 51 10.-	1.5	2.33	9	8570	77.1	21.4	337.3
	+I Z SL	-	19 51 14.-	1.5	2.22	4				
	+I Z SL	AP	19 51 24.-	1.3	2.00	2				
	-I Z SL	XP	19 51 27.-	2.0	2.40	4				
	-I Z SL	XPCP	19 51 38.-	1.5	2.13	6				
	+I Z SL	-	19 52 27.-	2.0	2.64	7				
	-I Z SL	PP	19 54 05.-	1.3	2.20	3				
	-I Z SL	APP	19 54 16.-	2.0	2.50	3				
	Z SL	PM	20 31 00.-	16.0	4.41					
BUH	I Z GT	P	19 51 11.0				8600	77.3	19.6	339.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 12 ERL H= 20 30 43.9 LAT = 35.9 N LONG= 21.8 E DEPTH= 44 KM MAGNITUDE= 4.7 MEDITERRANEAN SEA										
MAR 12 BCS H= 20 30 44.0 LAT = 35.7 N LONG= 21.9 E MEDITERRANEAN SEA										
FUR	+E Z SL	P	20 34 08.-	1.5	1.43	7	1610	14.5	143.8	330.8
	-I Z SL	AP	20 34 16.-	1.8	2.00	5				
	-I Z SL	XPP	20 34 30.-	1.5	1.43	4				
	+E Z SL	S	20 36 54.-	1.5	1.28	5				
	+E Z SL	SS	20 37 12.-	1.5	1.36	2				
	-E Z SL	SSS	20 37 24.-	2.0	1.88	2				
	-I Z SL	-	20 37 39.-	1.7	1.76	2				
GRF	E Z BE	P	20 34 24.9			1	1750	15.8	146.8	334.0
	+E Z BE	-	20 34 29.0			4				
BUH	E Z GT	P	20 34 31.4				1800	16.2	137.0	326.2
BNS	E Z FS	P	20 35 02.5	1.4	1.60		2040	18.4	139.5	329.6
MAR 13 ERL H= 01 42 43.6 LAT = 5.4 S LONG= 154.2 E DEPTH=170 KM MAGNITUDE= 5.5 SOLOMON ISLANDS										
GRF	E Z BE	PKP	02 01 26.6			2	14010	126.0	47.8	331.1
	E Z BE	APKP	02 02 07.0			1				
	E Z BE	PP	02 03 23.5			2				
FUR	-E Z SL	PKP1	02 01 28.-	2.0	1.94	7	14120	127.0	48.7	329.6
BUH	E Z GT	PKP	02 01 29.5				14250	128.1	45.1	331.9
MAR 13 ERL H= 06 03 49.0 LAT = 32.1 N LONG= 49.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 WESTERN IRAN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAR 13 BCS H= 06 03 53.0 LAT = 32.0 N LONG= 49.6 E WESTERN IRAN									
FUR	-I Z SL	P	06 10 22.-	1.5	1.62	4	3660	32.9	105.2 310.5
	+I Z SL	AP	06 10 27.-	1.5	1.49	2			
GRF	E Z BE	P	06 10 25.9			2	3710	33.4	107.4 313.1
MAR 13 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	11 49 59.3			2			
	E N BE	SG	11 50 21.1			2			
MAR 13 NO DETERMINATION OF EPICENTER									
ONS	E Z FS	P	15 00 13.5						
MAR 13 ERL H= 20 01 08.4 LAT = 5.4 S LONG= 153.1 E DEPTH= 35 KM MAGNITUDE= 5.3 NEW BRITAIN REGION									
GRF	E Z BE	PKP	20 20 09.5			1	14040	126.2	49.6 330.2
MAR 14 BCS H= 03 45 36.0 LAT = 32.0 N LONG= 50.0 E IRAN									
MAR 14 ERL H= 03 45 41.7 LAT = 32.0 N LONG= 49.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 WESTERN IRAN									
FUP	-E Z SL	PP	03 53 16.-	1.5	1.36	6	3710	33.3	104.7 310.3
	-I Z SL	XPP	03 53 26.-	1.8	1.95	5			
	-I Z SL	-	03 53 41.-	2.0	2.10	2			
GRF	E Z BE	P	03 52 13.8			2	3760	33.8	106.9 313.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAR 14 ERL H= 06 07 30.8 LAT = 62.5 S LONG= 165.3 E DEPTH= 36 KM MAGNITUDE= 5.5 BALLENY ISLANDS REGION									
FUR	-E Z SL	-	06 28 04.-	1.8	1.78	1	17750	159.6	144.2 237.4
	+I Z SL	PKP2	06 28 22.-	2.0	1.88	6			
GRF	E Z BE	PKP	06 28 13.3			2	17890	160.9	141.7 240.0
MAR 14 ERL H= 11 25 46.7 LAT = 5.3 S LONG= 152.2 E DEPTH= 64 KM MAGNITUDE= 5.8 NEW BRITAIN REGION									
GRF	E Z BE	PKP	11 44 41.2			1	13890	124.9	49.9 330.1
	E Z BE	PP	11 46 32.5			1			
FUR	-I Z SL	PKP1	11 44 43.-	1.5	1.54	1	13990	125.8	50.8 328.6
MAR 14 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	14 04 46.0			1			
	E N BE	SG	14 05 23.1			6			
MAR 15 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	00 31 19.0			1			
MAR 15 ERL H= 07 34 50.5 LAT = 10.7 N LONG= 43.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 NORTH ATLANTIC RIDGE									
FUR	+I Z SL	-	07 45 12.-	2.0	2.10	1	6540	58.8	249.6 39.7
	-I Z SL	-	07 45 23.-	1.9	1.95	1			
GRF	E Z BE	P	07 45 12.1			1	6600	59.3	248.7 38.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 15 ERL H= 08 30 20.5 LAT = 15.5 S LONG= 175.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.7 TONGA ISLANDS										
GRF	E Z BE	PKP	08 49 57.4			2	16180	145.5	11.1	352.6
BUH	E Z GT	PKP	08 50 00.9				16320	146.8	6.1	355.8
FUR	-I Z SL	PKP2	08 50 06.-	1.9	2.00	2	16340	147.0	11.6	352.0
MAR 15 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	09 42 34.2			2				
	E N BE	SG	09 43 18.8			2				
FUR	+I Z SL	-	09 42 50.-	1.5	1.43	1				
	Z SL	MAXIMUM	09 43 23.-	1.6	1.78					
MAR 15 NO DETERMINATION OF EPICENTER FUR= EXPLOSION AT ESCHENLOHE.										
FUR	+I Z SL	-	11 11 45.-	1.2	2.00	9				
MAR 15 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	12 24 33.9			1				
	E N BE	SG	12 24 57.5			2				
MAR 15 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	13 38 42.-	1.9	1.95	8				
MAR 15 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	15 35 09.2			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 15 ERL H= 17 58 39.4 LAT = 13.9 N LONG= 120.4 E DEPTH=113 KM MAGNITUDE= 5.2 MINDORO, PHILIPPINE ISLANDS										
GRF	E Z BE	P	18 11 34.6			2	10170	91.4	66.6	322.1
MAR 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	18 15 18.4							
MAR 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	21 35 36.1							
MAR 16 ERL H= 00 51 47.0 LAT = 2.1 N LONG= 126.6 E DEPTH= 18 KM MAGNITUDE= 6.0 MOLUCCA PASSAGE										
HAM	E Z SX	P	01 05 55.-			1	11550	103.9	66.8	326.6
HOF	-E Z SL	P	01 05 53.-	4.0	2.87	3	11560	103.9	69.2	323.1
	+E Z SL	PP	01 10 14.-	4.0	3.05	4				
	Z SL	RM	01 53 00.-	20.0	4.44					
GRF	E Z BE	P	01 05 53.0			2	11620	104.5	68.3	322.7
	E Z BE	-	01 09 04.8			2				
	E Z BE	PP	01 10 17.0			5				
	E Z BE	PPP	01 21 44.8			2				
	E Z BE	-	01 21 59.4			3				
FUR	-I Z SL	-	01 06 20.-	1.5	1.59	3	11680	105.1	69.2	321.2
	+I Z SL	PP	01 10 21.-	2.0	2.27	2				
	+I Z SL	PPP	01 12 36.-	2.0	2.21	2				
	Z SL	RM	01 54 00.-	32.0	4.17					
TNS	2E Z SL	P	01 06 05.-			2	11790	106.0	66.4	323.9
BNS	E Z SL	P	01 06 06.-				11830	106.4	65.1	325.0
	E Z FS	-	01 06 07.5	3.5	2.30					
	E Z SL	PP	01 10 31.-							
	E Z SL	SP	01 13 26.-							
	E Z SL	LP	01 44 06.-	48.0						
	Z SL	-	01 54 00.-	32.0						
BUH	E Z GT	P	01 06 16.0				11870	106.7	66.6	322.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 16 ERL H= 01 00 48.0 LAT = 2.2 N LONG= 126.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 MOLUCCA PASSAGE										
GRF	E Z BE	PP	01 19 15.5			2	11610	104.4	68.9	322.7
	E Z BE	PPP	01 29 56.6			1				
MAR 16 NO DETERMINATION OF EPICENTER										
GRF	I Z JM	PN	01 41 41.3			3				
	E Z JM	PG	01 41 45.5			2				
	E N BE	SG	01 42 07.7			2				
MAR 16 ERL H= 02 12 23.3 LAT = 2.0 N LONG= 126.6 E DEPTH= 47 KM MAGNITUDE= 5.5 MOLUCCA PASSAGE										
GRF	E Z BE	P	02 26 28.5			1	11630	104.5	68.9	322.7
	E Z BE	PP	02 30 49.7			2				
FUR	+E Z SL	XP	02 26 46.-	1.5	1.08	1	11680	105.1	69.4	321.2
	+I Z SL	PP	02 30 55.-	2.0	2.18	9				
MAR 16 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	10 43 31.8							
	E Z FS	-	10 43 36.0	1.3	1.48					
MAR 16 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	10 51 05.3			2				
	E N BE	SG	10 51 29.6			1				
MAR 16 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 05 42.1			1				
	E N BE	SG	11 06 07.8			2				
MAR 16 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E E SL	-	11 10 47.-	1.5	1.30	2				
	+I E SL	-	11 10 50.-	1.5	1.49	3				
	E SL	MAXIMUM	11 12 07.-	1.5	2.09					
MAR 16 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 07 00.7			2				
	E N BE	SG	14 07 18.2			2				
MAR 16 ERL H= 21 50 01.1 LAT = 37.0 N LONG= 141.6 E DEPTH= 40 KM MAGNITUDE= 5.1 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	+E Z BE	P	22 02 24.9	1.2	1.82	4	9240	83.1	37.9	330.1
	E Z BE	PP	22 05 23.4			2				
FUR	+I Z SL	P	22 02 31.-	1.5	1.62	2	9380	84.3	37.8	329.1
	+E Z SL	PCP	22 02 44.-	1.5	1.28	3				
STU	E Z BE	P	22 02 31.5	1.3	1.84	2	9420	84.7	36.4	330.6
BUH	E Z GT	P	22 02 33.6				9470	85.1	35.7	331.1
MAR 17 ERL H= 00 10 19.0 LAT = 46.2 N LONG= 153.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	00 22 21.6			1	8780	79.0	25.8	336.0
MAR 17 ERL H= 04 57 12.7 LAT = 19.4 S LONG= 169.4 E DEPTH=194 KM MAGNITUDE= 6.0 NEW HEBRIDES ISLANDS										
HOF	+I Z SL	PKP1	05 16 25.-	2.0	3.23	9	16050	144.3	38.3	335.1
	+I Z SL	APKP	05 17 15.-	2.0	2.68	4				
	-E Z SL	XPKP	05 17 40.-	1.5	2.34	9				
	-I Z SL	PP	05 19 49.-	1.5	2.39	9				
GRF	+E Z BE	PKP	05 16 27.3	1.2	2.73	5	16130	145.1	37.9	335.0
	+E Z BE	APKP	05 17 15.8			E				
	E Z BE	PP	05 19 43.1			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	E Z BE	-	05 27 48.0			2			
BNS	+I Z FS	PKP	05 16 28.2	2.0	2.89		16180	145.5	30.6 340.0
	+I Z SL	-	05 16 28.5						
	-I Z FS	APKP	05 17 16.0						
	E Z FS	PP	05 19 48.5						
FUR	+I Z SL	PKP1	05 16 30.-	2.0	3.17	9	16260	146.2	39.3 333.3
	+I Z SL	APKP	05 17 20.-	2.0	2.64	2			
	+I Z SL	PP	05 19 54.-	1.8	2.56	4			
STU	+E Z BE	PKP	05 16 23.3	1.5	3.07	3	16300	146.6	35.6 335.9
	-E Z SL	-	05 17 16.0	10.0	3.35	2			
KRL	+E Z ST	PKP	05 16 31.5	1.5		3	16310	146.7	34.1 337.0
BUH	E Z GT	PKP	05 16 30.6						
	I Z GT	PKP	05 16 33.8				16350	147.0	34.1 336.8

MAR 17 ERL
H= 08 30 51.8
LAT = 13.4 N
LONG= 122.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.6
LUZON, PHILIPPINE ISLANDS

NOS= MAX. INT. VII (R.F.) AT HONDAGUA, LOPEZ, CALAUAG AND GUINAYANGAN, QUEZON PROVINCE. 15 KILLED, 64 INJURED, APPROX. $ 450.000 IN DAMAGE. (PHILPPINE FAULT RUPTURED ACROSS TAYABAS ISTHMUS WITH LEFT-LATERAL DISPLACEMENT OF 1.85 M ON THE NORTH SIDE 4 KM EAST OF CALAUAG AND 3.2 M ON THE SOUTH SIDE WHERE IT CROSSED THE SHORELINE SOUTH OF GUINAYANGAN - C.R. ALLEN, C.I.T.) MAG. 6.7 (PAS).

BRN	-E Z ET	P	08 44 00.-			3	10120	91.0	66.5 324.8
HOF	+E Z SL	P	08 44 05.-	2.0	2.68	9	10300	92.7	65.5 323.2
	+I Z SL	XP	08 44 18.-	2.0	2.99	4			
	-I Z SL	PP	08 47 37.-	6.0	3.55	3			
	-I Z SL	-	08 51 13.-	6.0	3.55	3			
	+I Z SL	SKKS	08 54 42.-	6.0	3.68	8			
	-I Z SL	-	08 55 43.-	10.0	4.05	6			
	Z SL	RM	09 23 00.-	19.0	5.89				
HLG	- Z SL	P	08 44 09.-			1	10360	93.2	62.1 327.7
GRF	E Z BE	P	08 44 04.2			2	10380	93.3	65.0 322.8
	+E Z BE	-	08 44 11.5			4			
	E Z BE	-	08 44 26.0			2			
	E Z BE	-	08 44 43.1			4			
	E Z BE	PP	08 48 00.5			5			
FUR	+E Z SL	P	08 44 07.-	1.3	2.43	9	10440	93.9	65.2 321.4
	-I Z SL	APCP	08 44 14.-	1.8	2.65	5			
	-I Z SL	XPCP	08 44 23.-	1.7	2.93	8			
	-I Z SL	APP	08 48 09.-	1.7	2.43	8			
	Z SL	RM	09 33 00.-	16.0	5.41				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
TNS	E Z SL	P	08 44 10.0			3	10530	94.7	62.8 324.0
	E Z SL	PPP	08 50 30.0			3			
BOC	Z B4	MAXIMUM	09 29 30.0	18.0	5.70		10540	94.8	61.8 325.5
STU	BE	P	08 44 11.5				10550	94.9	63.5 322.5
BNS	E Z FS	P	08 44 13.0	3.0	2.83		10570	95.1	61.8 325.1
	E Z FS	PP	08 47 45.5						
	E Z SL	SP	08 57 01.-						
	E Z SL	-	08 57 36.-						
	E Z SL	LR	09 16 22.-	60.0					
	Z SL	-	09 23 10.-	26.0					
	Z SL	-	09 27 30.-	20.0					
KRL	+E Z WH	P	08 44 14.0	4.0		4	10590	95.3	62.9 323.0
BUH	E Z GT	P	08 44 15.1				10620	95.5	62.8 322.7

MAR 17
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	08 58 40.8		1	
	E E BE	SG	08 59 08.1		2	

MAR 17
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	12 27 13.5		1	

MAR 17
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	13 56 52.0		2	

MAR 17 ERL
H= 15 40 48.0
LAT = 5.2 S
LONG= 103.2 E
DEPTH= 68 KM
MAGNITUDE= 5.7
SOUTHERN SUMATRA

FUR	+E Z SL	P	15 54 07.-	1.5	1.43	1	10580	95.1	92.0 317.8
	+E Z SL	XPCP	15 54 28.-	1.8	1.78	1			
	+E Z SL	-	15 55 14.-	1.5	1.28	2			
GPF	E Z BE	P	15 54 06.6			2	10590	95.2	91.8 319.3
	E Z BE	PP	15 58 01.0			1			
BUH	E Z GT	P	15 54 12.3				10810	97.2	89.7 318.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 17 ERL H= 16 38 49.3 LAT = 6.8 S LONG= 102.1 E DEPTH= 60 KM MAGNITUDE= 5.2 SOUTHWEST OF SUMATPA										
GRF	E Z BE	P	16 52 11.1			1	10640	95.7	93.8	319.3
MAR 18 ERL H= 02 22 41.6 LAT = 32.9 S LONG= 179.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 SOUTH OF KERMADEC ISLANDS										
GRF	E Z BE	PKP	02 43 22.3			1	17920	161.1	31.4	336.3
MAR 18 ERL H= 02 31 32.5 LAT = 15.1 S LONG= 175.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 TONGA ISLANDS										
GRF	-E Z BE	PKP	02 51 07.7			2	16130	145.1	10.9	352.7
FUP	+I Z SL	PKP2	02 51 16.-	1.2	1.85	1	16300	146.6	11.4	352.1
MAR 18 ERL H= 11 06 14.7 LAT = 2.0 N LONG= 126.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 6.0 MOLUCCA PASSAGE										
BRN	E Z ET	P	11 20 12.-			2	11390	102.4	69.9	324.9
	+E Z ET	PP	11 24 27.-			2				
	-E Z ET	PS	11 33 19.-			3				
HOF	-E Z SL	P	11 20 19.-	4.0	2.77	4	11560	103.9	69.3	323.1
	+E Z SL	PP	11 24 36.-	3.0	2.42	3				
	+I Z SL	SP	11 33 40.-	6.0	3.85	9				
	+I Z SL	-	11 35 12.-	7.0	3.45	9				
	Z SL	PM	12 12 30.-	16.0	4.38					
GRF	E Z BE	P	11 20 19.3			2	11630	104.5	68.9	322.7
	E Z BE	-	11 23 24.8			2				
	E Z BE	PKP	11 24 43.2			3				
	E Z BE	PKKP	11 36 24.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HLG	Z SL	S	11 33 35.-			8	11640	104.7	65.0	327.8
FUP	-E Z SL	P	11 20 24.-	2.5	2.43	9	11680	105.1	69.3	321.2
	-I Z SL	PP	11 24 44.-	2.0	2.50	4				
	+E Z SL	PPP	11 27 04.-	3.0	2.90	3				
	Z SL	RM	12 08 30.-	30.0	4.26					
TNS	E Z SL	P	11 20 27.-			2	11790	106.0	66.5	323.9
STU	+E Z BE	P	11 20 26.0	8.0	2.97	2	11800	106.1	67.5	322.3
	+E E SL	S	11 31 04.0	18.0	3.67	7				
BNS	E Z SL	P	11 20 27.-				11840	106.4	65.2	324.9
	E Z FS	-	11 20 31.-	2.0	1.60					
	E Z FS	PKP	11 23 57.-							
	E Z SL	PP	11 25 06.-							
	-I Z SL	SP	11 34 01.-							
	E Z SL	LR	11 57 00.-							
	Z SL	-	12 08 40.-	29.0						
BUH	E Z GT	P	11 20 29.0				11870	106.7	66.7	322.5
MAR 18 ERL H= 11 23 43.8 LAT = 2.1 N LONG= 126.8 E DEPTH= 32 KM MAGNITUDE= 5.2 MOLUCCA PASSAGE										
GRF	E Z BE	PP	11 42 13.9			2	11630	104.6	68.7	322.7
MAR 18 ERL H= 13 46 08.9 LAT = 22.1 S LONG= 179.7 W DEPTH=566 KM MAGNITUDE= 4.9 SOUTH OF FIJI ISLANDS										
GRF	+E Z BE	PKP	20 05 10.4			3	16810	151.2	21.3	345.3
MAR 18 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	21 32 30.4							
MAR 19 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	04 22 04.3							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
			MAR 19 ERL							
			H= 11 41 07.7							
			LAT = 52.8 N							
			LONG= 173.8 E							
			DEPTH= 81 KM							
			MAGNITUDE= 5.3							
			NEAR ISLANDS, ALEUTIAN ISLANDS							
HLG	-	Z SL P	11 52 29.-			3	8080	72.7	8.9	351.4
	+	Z SL -	11 52 50.8			2				
BNS	-I	Z FS P	11 52 47.2	2.0	2.36		8450	76.0	8.3	351.3
	-I	Z SL -	11 52 48.-							
	E	Z FS S	12 02 34.-							
		Z SL -	12 18 30.-	42.0						
HOF	-I	Z SL P	11 52 48.-	1.5	2.57	9	8460	76.1	11.2	348.2
	+E	Z SL AP	11 53 09.-	4.0	2.87	3				
	+E	Z SL XP	11 53 15.-	5.0	2.93	1				
GRF	-E	Z BE P	11 52 52.2	1.4	2.50	4	8540	76.8	10.8	348.5
	E	Z BE -	11 53 54.6			2				
	E	Z BE PP	11 55 33.0			2				
BUH	E	Z GT P	11 52 59.4				8690	78.1	8.9	350.3
FUR	+I	Z SL P	11 53 00.-	1.5	2.22	9	8700	78.3	10.7	348.1
	-I	Z SL PCP	11 53 31.-	2.0	2.24	4				
	-I	Z SL XPCP	11 53 43.-	2.0	2.21	3				
	-I	Z SL PP	11 55 59.-	1.5	1.76	2				
		Z SL OM	12 22 00.-	33.0	3.45					
			MAR 19							
			NO DETERMINATION OF EPICENTER							
GRF	E	Z BE P	12 25 06.2			2				
			MAR 19 ERL							
			H= 17 03 08.4							
			LAT = 36.7 N							
			LONG= 141.0 E							
			DEPTH= 60 KM							
			MAGNITUDE= 4.6							
			NEAR EAST COAST OF HONSHU, JAPAN							
GRF	E	Z BE P	17 15 30.2			1	9250	83.2	38.5	329.8
			MAR 19 ERL							
			H= 22 13 09.7							
			LAT = 26.8 N							
			LONG= 53.4 E							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.5							
			SOUTHERN IRAN							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E	Z BE P	22 20 38.2			1	4400	39.6	109.5	316.8
			MAR 20							
			NO DETERMINATION OF EPICENTER							
BUH	E	Z GT PN	02 26 45.0							
			MAR 20 ERL							
			H= 06 59 33.2							
			LAT = 52.9 N							
			LONG= 166.7 W							
			DEPTH= 16 KM							
			MAGNITUDE= 4.7							
			FOX ISLANDS, ALEUTIAN ISLANDS							
GRF	+E	Z BE P	07 11 31.4	0.8	1.14	4	8650	77.8	358.7	1.4
BUH	E	Z GT P	07 11 36.2				8750	78.7	356.9	3.4
			MAR 20							
			NO DETERMINATION OF EPICENTER							
GRF	-E	Z BE P	09 01 27.2			2				
			MAR 20							
			NO DETERMINATION OF EPICENTER							
FUR	+E	Z SL -	13 15 18.-	1.2	1.48	3				
	+I	Z SL -	13 16 10.-	1.5	1.43	4				
	-I	Z SL -	13 16 55.-	1.7	1.76	2				
			MAR 20							
			NO DETERMINATION OF EPICENTER							
GRF	E	Z BE P	14 39 36.2			1				
			MAR 20 ERL							
			H= 16 17 30.7							
			LAT = 23.2 S							
			LONG= 66.3 W							
			DEPTH=203 KM							
			MAGNITUDE= 5.6							
			JUJUY PROVINCE, ARGENTINA							
FUR	-I	Z SL P	16 30 50.-	1.8	2.00	3	11020	99.1	245.5	41.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAR 20 ERL H= 18 09 24.5 LAT = 48.1 N LONG= 5.8 E DEPTH= 25 KM FRANCE									
MAR 20 BCS H= 18 09 25.0 LAT = 48.1 N LONG= 5.8 E DEPTH= 20 KM FRANCE									
BUH	E Z GT	PN	18 09 52.1				190	1.7	250.3 68.5
MAR 20 ERL H= 19 09 06.6 LAT = 8.3 S LONG= 117.4 E DEPTH=162 KM MAGNITUDE= 5.7 SUMBAWA ISLAND REGION									
GRF	E Z BE	P	19 23 12.5			1	11870	106.7	83.0 319.4
	E Z BE	AP	19 23 51.0			1			
	E Z BE	-	19 26 33.1			2			
	E Z BE	PKP	19 27 18.6			3			
	E Z BE	APP	19 28 02.2			2			
	E Z BE	PPP	19 29 33.6			2			
	E Z BE	-	19 30 34.7			2			
	E Z BE	-	19 32 24.1			2			
	E Z BE	PKKP	19 38 34.5			2			
	E Z BE	-	19 39 15.4			2			
	E Z BE	X2S	19 42 44.9			2			
FUP	+I Z SL	PP	19 27 18.-	1.8	1.35	2	11880	106.9	83.5 317.8
	+I Z SL	APP	19 28 17.-	1.5	1.59	5			
	-I Z SL	XPP	19 28 29.-	1.5	1.62	2			
	N SL	OM	20 08 00.-	20.0	3.40				
BUH	E Z GT	PKP	19 27 16.4				12100	108.8	81.0 318.6
BNS	E Z FS	PP	19 28 27.5	2.0	1.60		12130	109.1	79.4 321.1
MAR 20 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	P	19 38 40.5						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAR 21 ERL H= 02 24 21.3 LAT = 50.8 N LONG= 157.2 E DEPTH= 55 KM MAGNITUDE= 5.2 KURIL ISLANDS									
GRF	E Z BE	P	02 36 02.5			2	8420	75.7	21.5 333.0
MAR 21 NO DETERMINATION OF EPICENTER									
FUR	-E Z SL	-	08 36 07.-	1.7	1.52	1			
	-I Z SL	-	08 36 41.-	2.0	1.94	4			
MAR 21 ERL H= 09 13 29.7 LAT = 16.1 S LONG= 173.7 W DEPTH= 86 KM MAGNITUDE= 4.6 TONGA ISLANDS									
GRF	E Z BE	PKP	09 33 01.0			2	16270	146.3	8.6 354.2
MAR 21 ERL H= 11 25 50.9 LAT = 37.6 N LONG= 23.6 E DEPTH= 31 KM MAGNITUDE= 4.2 SOUTHERN GREECE									
MAR 21 BCS H= 11 25 51.0 LAT = 37.4 N LONG= 23.7 E SOUTHERN GREECE									
GRF	E Z BE	P	11 29 30.5			2	1680	15.1	139.0 327.5
MAR 21 BCS H= 12 29 50.0 LAT = 35.0 N LONG= 23.5 E CRETE									
FUR	+I Z SL	AP	12 33 40.-	1.2	2.00	2	1780	16.0	140.9 329.0
GRF	E Z BE	P	12 33 53.2			3	1920	17.2	143.9 332.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT. EPIC.
MAR 21									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	20 46 39.4			2			
MAR 21 ERL									
H= 21 46 12.2									
LAT = 48.6 N									
LONG= 153.7 E									
DEPTH=105 KM									
MAGNITUDE= 4.9									
KURIL ISLANDS									
GRF	E Z BE	P	21 57 54.2	0.8	1.40	1	8550	76.9	24.6 336.0
FUR	+I Z SL	P	21 58 02.-	1.7	2.03	9	8710	78.3	24.5 335.3
BUH	E Z GT	P	21 58 03.1				8740	78.6	22.6 337.5
MAR 22 ERL									
H= 01 06 57.2									
LAT = 28.1 N									
LONG= 87.0 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 5.2									
TIBET									
GRF	E Z BE	P	01 17 04.9			2	6690	60.2	80.7 313.5
FUR	+I Z SL	P	01 17 06.-	1.8	1.95	9	6710	60.4	79.9 311.7
	+E Z SL	-	01 17 12.-	1.5	1.36	2			
	-I Z SL	XP	01 17 20.-	1.9	1.89	2			
BUH	E Z GT	P	01 17 18.5				6920	62.3	78.1 312.7
MAR 22									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PG	01 56 36.4						
MAR 22 ERL									
H= 06 10 28.3									
LAT = 22.0 N									
LONG= 100.6 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 4.7									
BURMA-CHINA BORDER REGION									
GRF	E Z BE	P	06 22 02.6			3	8140	73.2	75.8 317.3
BUH	E Z GT	P	06 22 12.0				8330	75.3	73.4 316.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT. EPIC.
MAR 22									
NO DETERMINATION OF EPICENTER									
BNS	E Z FS	P	09 42 42.0						
MAR 22 ERL									
H= 14 00 43.5									
LAT = 15.3 N									
LONG= 61.3 W									
DEPTH=156 KM									
MAGNITUDE= 5.1									
LEEWARD ISLANDS									
BUH	E Z GT	P	14 11 09.2				7250	65.2	265.0 43.2
GRF	E Z BE	P	14 11 22.6	1.0	1.56	3	7470	67.2	266.9 42.2
MAR 22									
NO DETERMINATION OF EPICENTER									
BNS= EXPLOSION SUPPOSED.									
BNS	I Z FS	PG	15 38 39.3						
MAR 22 ERL									
H= 20 58 36.0									
LAT = 51.2 N									
LONG= 179.2 W									
DEPTH= 40 KM									
MAGNITUDE= 4.9									
ANDREANOF ISLANDS, ALEUTIAN IS.									
GRF	E Z BE	P	21 10 33.0	1.2	1.72	3	8800	79.1	6.7 353.1
BUH	E Z GT	P	21 10 43.9				8930	80.3	4.8 355.0
FUR	-E Z SL	P	21 10 46.-	1.5	1.28	5	8970	80.6	6.7 352.9
MAR 22 ERL									
H= 21 24 23.3									
LAT = 51.1 N									
LONG= 179.4 W									
DEPTH= 51 KM									
MAGNITUDE= 4.2									
ANDREANOF ISLANDS, ALEUTIAN IS.									
GRF	E Z BE	P	21 36 25.0			2	8800	79.2	6.8 353.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 22 ERL H= 22 39 15.5 LAT = 5.9 N LONG= 126.3 E DEPTH=102 KM MAGNITUDE= 5.1 MINDANAO, PHILIPPINE ISLANDS										
GRF	E Z BE	P	22 52 57.9			2	11260	101.3	66.7	323.1
MAR 22 ERL H= 23 44 31.0 LAT = 53.3 N LONG= 169.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 KOMANDORSKY ISLANDS REGION										
GRF	E Z BE	P	23 56 16.4			2	8430	75.8	13.0	345.9
MAR 23 ERL H= 00 11 36.6 LAT = 53.4 N LONG= 169.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 KOMANDORSKY ISLANDS REGION										
GRF	E Z BE	P	00 22 21.8			2	8410	75.7	13.0	345.8
MAR 23 ERL H= 02 08 30.5 LAT = 35.9 N LONG= 21.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.0 MEDITERRANEAN SEA										
MAR 23 BCS H= 02 08 39.0 LAT = 36.2 N LONG= 22.0 E SOUTHERN GREECE										
GRF	E Z BE	P	02 12 17.0			1	1750	15.8	146.9	334.1
MAR 23 BCS H= 04 07 02.0 LAT = 43.4 N LONG= 13.1 E CENTRAL ITALY										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+E Z SL	PB	04 08 26.-	1.5	1.18	1	550	4.9	164.4	345.7
	+I Z SL	PG	04 08 48.-	1.7	1.76	7				
	-I Z SL	-	04 09 10.-	2.0	2.05	2				
	+I Z SL	SN	04 09 18.-	1.5	1.49	8				
	-I Z SL	SG	04 09 40.-	1.5	1.43	7				
	Z SL	MAXIMUM	04 10 30.-	1.5	1.59					
GRF	E Z BE	P	04 08 37.2			1	710	6.4	167.7	349.0
	E N BE	S	04 09 48.0			1				
MAR 23 ERL H= 05 50 59.8 LAT = 22.8 S LONG= 170.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 LOYALTY ISLANDS REGION										
GRF	E Z BE	PKP	06 10 42.5			2	16510	148.5	39.2	333.6
FUR	+E Z SL	PKP2	06 10 54.-	1.5	1.28	5	16640	149.6	40.9	331.7
	-I Z SL	APKP	06 11 04.-	1.7	1.81	2				
MAR 23 ERL H= 06 55 33.1 LAT = 51.3 N LONG= 174.2 E DEPTH= 27 KM MAGNITUDE= 5.8 NEAR ISLANDS, ALEUTIAN ISLANDS										
HLG	Z X	P	07 07 11.-			1	8260	74.3	8.9	351.7
BNS	I Z FS	P	07 07 28.0	2.0	2.23		8620	77.5	8.3	351.6
	-E Z SL	-	07 07 28.-							
	E Z FS	-	07 07 42.5							
	E Z SL	S	07 17 17.-							
	E Z SL	-	07 22 28.-							
	E Z SL	LR	07 30 40.-							
	Z SL	-	07 36 40.-	26.0						
HOF	+E Z SL	P	07 07 30.-	3.0	3.20	9	8640	77.7	11.2	348.5
	-I Z SL	XP	07 07 46.-	3.0	2.90	9				
	-E Z SL	-	07 08 14.-	4.0	2.87	2				
	Z SL	RM	07 46 00.-	18.0	3.80					
GRF	-E Z BE	P	07 07 32.3	1.8	2.61	4	8710	78.3	10.8	348.8
KRL	+I Z WH	P	07 07 38.6	2.0		3	8820	79.3	9.0	350.5
STU	E Z BE	P	07 07 33.4	1.0	2.15	2	8840	79.5	9.5	350.0
BUH	E Z GT	P	07 07 39.3				8860	79.7	8.9	350.6
FUR	+I Z SL	P	07 07 41.-	1.2	2.38	5	8880	79.8	10.8	348.5
	+I Z SL	PCP	07 07 45.-	1.3	2.62	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	PP	07 10 43.-	1.9	2.16	9				
	E SL	PM	07 46 30.-	17.0	3.91					

MAR 23
NO DETERMINATION OF EPICENTER

BUH	+I Z GT	PN	09 34 56.4							

MAR 23
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 47 43.8			2				
	E N BE	SG	11 48 11.2			2				

MAR 23
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	15 52 43.2			2				
	E Z JM	PG	15 52 46.3			2				
	E N BE	SG	15 53 08.0			2				

MAR 23 ERL
H= 19 14 53.1
LAT = 31.9 N
LONG= 100.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
SZECHWAN PROVINCE, CHINA

GRF	+E Z BE	P	19 25 37.2	1.0	1.56	4	7310	65.7	68.9	314.6
FUR	+I Z SL	P	19 25 41.-	1.9	2.28	3	7370	66.3	68.3	313.0
	+I Z SL	-	19 25 44.-	2.0	2.14	2				
	+I Z SL	AP	19 25 50.-	1.9	2.05	1				
	+I Z SL	PCP	19 26 14.-	1.9	2.05	9				
BUH	E Z GT	P	19 25 46.0				7560	67.9	66.6	314.4

MAR 23
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	19 20 26.6							

MAR 23 ERL
H= 19 42 38.8
LAT = 29.3 N
LONG= 130.4 E
DEPTH= 34 KM
MAGNITUDE= 5.9
RYUKYU ISLANDS

HLG	+ Z X	P	19 55 02.-			2	9260	83.3	47.9	330.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	+I Z SL	P	19 55 07.-	3.0	3.42	9	9330	83.9	50.5	325.5
	-I Z SL	APCP	19 55 17.-	2.0	2.68	5				
	-I Z SL	XPCP	19 55 22.-	2.0	2.68	3				
	Z SL	PM	20 37 00.-	13.0	4.56					
GRF	+I Z BE	P	19 55 11.0	1.4	2.88	9	9410	84.7	50.0	325.3
FUR	+I Z SL	P	19 55 15.-	1.5	2.55	9	9520	85.6	49.9	324.1
	-I Z SL	APCP	19 55 26.-	1.5	2.28	8				
	+I Z SL	XPCP	19 55 33.-	2.0	2.57	3				
	-I Z SL	PP	19 58 33.-	2.0	2.18	2				
	N SL	PM	20 38 50.-	15.0	4.08					
TNS	1I Z SL	P	19 55 16.0			3	9530	85.7	48.0	326.9
BNS	+I Z FS	P	19 55 16.0	1.5	2.35		9540	85.8	47.1	328.0
	E Z FS	-	19 55 25.-							
	E Z SL	S	20 05 59.-							
	Z SL	-	20 38 10.-	16.0						
STU	+E Z BE	P	19 55 18.4	1.3	2.30	3	9590	86.3	48.5	325.5
KRL	+I Z WH	P	19 55 19.5	3.0		5	9620	86.5	47.9	326.0
BUH	+E Z GT	P	19 55 20.5				9650	86.8	47.8	325.8

MAR 23 ERL
H= 20 01 13.9
LAT = 29.5 N
LONG= 130.3 E
DEPTH= 44 KM
MAGNITUDE= 4.9
RYUKYU ISLANDS

GRF	+E Z BE	P	20 13 43.5			2	9380	84.4	49.9	325.2

MAR 23 ERL
H= 21 39 47.6
LAT = 4.2 N
LONG= 126.8 E
DEPTH= 35 KM
MAGNITUDE= 5.6
TALAUD ISLANDS

GRF	E Z BE	PKP	21 58 01.0			1	11450	103.0	67.4	323.1
FUR	-E Z SL	PP	21 58 03.-	1.9	1.89	7	11510	103.5	67.7	321.6
	+I Z SL	APP	21 58 20.-	1.5	2.43	1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 24 ERL H= 00 27 32.7 LAT = 21.6 N LONG= 98.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 BURMA										
GRF	E Z BE	P	00 38 56.0			1	8010	72.0	77.7	317.0
BUH	E Z GT	P	00 39 07.9				8240	74.1	75.3	316.4
MAR 24 EPL H= 00 34 36.8 LAT = 31.7 N LONG= 139.3 E DEPTH= 20 KM MAGNITUDE= 5.6 SOUTH OF HONSHU, JAPAN										
HOF	Z SL	RM	01 31 30.-	14.0	4.15		9570	86.0	42.7	329.3
GRF	E Z BE	P	00 47 24.4							
	+E Z BE	PCP	00 48 03.9			2	9650	86.8	42.2	329.2
	E Z BE	PP	00 50 45.0			4				
						1				
BNS	E Z FS	P	00 47 27.5							
	E Z SL	LR	01 17 00.-	1.5	1.48		9730	87.5	39.2	332.0
	Z SL	-	01 30 10.-	34.0						
				16.0						
FUR	+I Z SL	APCP	00 47 31.-	1.3	1.73	1	9770	87.9	42.2	328.1
	+I Z SL	XPCP	00 47 40.-	1.5	1.49	8				
	N SL	RM	01 31 30.-	15.0	3.90					
BUH	E Z GT	P	00 47 34.8				9880	88.8	40.0	330.0
MAR 24 ERL H= 07 14 26.2 LAT = 51.6 N LONG= 161.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 OFF EAST COAST OF KAMCHATKA										
GRF	-I Z BE	P	07 26 12.6	1.0	1.45	3	8450	76.0	18.5	340.7
MAR 24 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	PG	10 32 36.-	1.5	1.43	1				
	-I Z SL	SG	10 32 50.-	1.0	2.12	2				
	Z SL	MAXIMUM	10 33 20.-	1.7	1.95					
BUH	E Z GT	PN	10 32 58.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	PG	10 33 02.0			2				
	E N BE	SG	10 33 32.4			2				
MAR 24 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	11 00 32.1							
MAR 24 BCS H= 11 27 02.0 LAT = 47.3 N LONG= 11.4 E AUSTRIA										
BCIS= FELT IN INNSBRUCK AREA.(VIE).										
FUR	+I Z SL	PG	11 27 18.-	1.5	1.54	3	100	0.9	174.5	354.5
	-I Z SL	SG	11 27 25.-	1.5	1.43	4				
	+I Z SL	SN	11 27 34.-	1.2	1.78	8				
	Z SL	MAXIMUM	11 28 00.-	1.8	2.20					
GRF	E Z BE	PG	11 27 46.4			1	270	2.4	177.1	357.2
	E N BE	SG	11 28 16.2			2				
BUH	E Z GT	PN	11 27 42.0				280	2.5	121.7	304.0
MAR 24 NO DETERMINATION OF EPICENTER FUR= REGION OF INNSBRUCK, AUSTRIA.										
FUR	-I Z SL	PG	11 37 10.-	1.5	1.28	3				
	Z SL	MAXIMUM	11 38 05.-	1.7	1.76					
BUH	E Z GT	PN	11 37 33.6							
GRF	E Z BE	PG	11 37 37.2			2				
	E Z BE	-	11 37 38.7			4				
	E N BE	SG	11 38 07.9			2				
MAR 24 BCS H= 11 45 21.0 LAT = 47.3 N LONG= 11.4 E AUSTRIA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAR 24 ERL H= 11 45 22.1 LAT = 47.3 N LONG= 11.3 E DEPTH= 33 KM (NORMAL) AUSTRIA									
NOS= FELT (IV) IN INNSBRUCK AREA.									
FUR	-I Z SL	PG	11 45 37.-	1.3	2.14	9	100	0.9	174.5 354.5
	+I Z SL	SG	11 45 42.-	1.0	2.06	3			
	+I Z SL	SN	11 45 52.-	1.0	2.58	2			
	Z SL	MAXIMUM	11 46 22.-	1.3	2.37				
STU	+E Z BE	PN	11 46 01.4	0.5	1.94	3	230	2.1	134.0 315.6
	BE	S	11 46 25.0						
GRF	I Z JM	PN	11 45 58.6			2	270	2.4	177.1 357.2
	E Z BE	PG	11 46 05.2			4			
	E Z BE	-	11 46 06.0			9			
	E N BE	SG	11 46 25.8			9			
BUH	E Z GT	PN	11 46 01.0				280	2.5	121.7 304.0
MAR 24 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PG	13 05 39.9						
MAR 24 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PG	20 36 41.0						
MAR 25 ERL H= 08 56 15.2 LAT = 50.2 N LONG= 156.9 E DEPTH= 40 KM MAGNITUDE= 5.4 KURIL ISLANDS									
GRF	E Z BE	P	09 08 00.8	0.9	1.93	2	8470	76.2	21.9 337.8
STU	-E Z BE	P	09 08 08.0	1.0	1.97	2	8620	77.5	20.6 338.8
FUR	+I Z SL	P	09 08 09.-	1.7	2.31	5	8630	77.6	21.8 337.2
	-I Z SL	APCP	09 08 23.-	2.0	2.14	6			
	-I Z SL	XPCP	09 08 33.-	2.0	2.27	8			
BUH	E Z GT	P	09 08 09.9				8660	77.8	20.0 339.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAR 25 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PN	17 03 24.5						
MAR 25 ERL H= 22 42 02.8 LAT = 25.9 N LONG= 109.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 GULF OF CALIFORNIA									
BNS	E Z FS	P	22 54 39.3	1.1	1.70		9510	85.6	306.4 34.4
	E Z SL	LR	23 21 50.-	50.0					
	Z SL	-	23 33 40.-	15.0					
BUH	E Z GT	P	22 54 47.4				9730	87.5	307.3 35.8
HOF	Z SL	RM	23 34 30.-	18.0	4.19		9820	88.3	310.0 33.1
GRF	-E Z BE	P	22 54 52.4			4	9830	88.4	309.5 33.8
	+I Z BE	-	22 54 57.8			6			
FUR	+I Z SL	-	22 55 02.-	1.3	2.89	9	9940	89.4	309.6 35.0
	Z SL	RM	23 32 00.-	21.0	3.47				
MAR 26 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PG	01 22 16.3						
MAR 26 ERL H= 02 37 21.3 LAT = 23.4 N LONG= 124.0 E DEPTH= 16 KM MAGNITUDE= 5.5 SOUTHWESTERN RYUKYU ISLANDS									
HOF	Z SL	RM	03 34 00.-	12.0	4.11		3490	35.3	53.7 323.4
GRF	E Z BE	P	02 50 03.3	1.6	2.21	3	9560	86.0	58.1 323.1
FUR	+I Z SL	P	02 50 08.-	1.5	1.62	9	9650	86.8	58.1 321.8
	+I Z SL	APCP	02 50 14.-	1.3	2.32	2			
	-I Z SL	XPCP	02 50 20.-	2.0	2.50	2			
	E SL	QM	03 26 30.-	18.0	4.16				
BNS	E Z FS	P	02 50 14.8	1.5	1.48		9730	87.5	55.2 325.6
	E Z SL	LR	03 19 40.-						
	Z SL	-	03 27 20.-	18.0					
BUH	E Z GT	P	02 50 12.2				9810	88.2	55.3 323.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 26 ERL H= 05 03 50.5 LAT = 21.3 S LONG= 179.1 W DEPTH=634 KM MAGNITUDE= 4.9 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	05 28 33.4			2	16730	150.5	19.8	346.4
	E Z BE	-	05 28 43.2			2				
MAR 26 ERL H= 07 58 42.7 LAT = 38.3 N LONG= 73.9 E DEPTH=123 KM MAGNITUDE= 5.3 TADZHIK-SINKIANG BORDER REGION										
GRF	-E Z BE	P	08 06 49.9	1.8	2.22	5	5030	45.3	79.7	305.7
	-E Z BE	AP	08 07 19.1			4				
	-I Z BE	XP	08 07 31.4			4				
FUP	-I Z SL	P	08 06 52.-	1.3	2.26	9	5060	45.5	78.3	303.5
	-I Z SL	PCP	08 08 20.-	1.5	1.76	4				
	+I Z SL	PP	08 08 42.-	1.5	1.59	5				
	+I Z SL	PPP	08 09 28.-	1.9	2.16	3				
	-I Z SL	-	08 09 47.-	1.8	2.00	3				
	-I Z SL	-	08 10 08.-	3.6	2.80	8				
BUH	E Z GT	P	08 07 05.9				5270	47.4	76.9	304.8
BNS	-E Z FS	P	08 07 06.4	1.5	1.70		5290	47.6	78.3	308.1
	E Z FS	-	08 07 47.5							
	E Z FS	PP	08 09 46.5							
MAR 26 ERL H= 08 33 30.6 LAT = 38.3 N LONG= 73.9 E DEPTH=120 KM MAGNITUDE= 5.2 TADZHIK-SINKIANG BORDER REGION										
GRF	E Z BE	P	08 41 39.0			2	5030	45.3	79.8	305.7
MAR 26 ERL H= 11 04 19.0 LAT = 28.0 S LONG= 68.9 W DEPTH=117 KM MAGNITUDE= 5.7 LA RIOJA PROVINCE, ARGENTINA										
FUP	-I Z SL	PKP1	11 22 29.-	1.5	1.76	8	11600	104.3	244.0	42.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	APP	11 23 10.-	2.0	2.10	2				
GRF	E Z BE	P	11 18 15.8			1	11670	104.9	244.3	41.5
	E Z BE	PP	11 22 33.2			2				
MAR 26 ERL H= 14 56 13.0 LAT = 36.6 N LONG= 142.0 E DEPTH= 52 KM MAGNITUDE= 5.1 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	15 08 38.8	1.6	2.07	6	9300	83.6	37.8	330.3
MAR 26 ERL H= 17 35 17.3 LAT = 36.6 N LONG= 142.0 E DEPTH= 49 KM MAGNITUDE= 5.1 OFF EAST COAST OF HONSHU, JAPAN										
GRF	-E Z BE	P	17 47 43.0	1.0	1.42	3	9300	83.7	37.8	330.4
FUP	+I Z SL	P	17 47 49.-	1.5	1.54	5	9440	84.9	37.7	329.4
MAR 27 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	00 22 36.2							
MAR 27 ERL H= 02 08 31.4 LAT = 35.5 N LONG= 139.9 E DEPTH= 64 KM MAGNITUDE= 5.0 NEAR S. COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	02 20 55.4			1	9320	83.8	39.8	329.3
MAR 27 BCS H= 03 11 33.0 LAT = 34.4 N LONG= 26.6 E CRETE										
GRF	E Z BE	P	03 15 46.0			1	2110	19.0	137.7	328.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 27 ERL H= 03 37 42.8 LAT = 24.3 N LONG= 123.6 E DEPTH= 77 KM MAGNITUDE= 5.0 SOUTHWESTERN RYUKYU ISLANDS										
GRF	E Z BE	P	03 50 12.0			2	9460	85.0	57.9	322.9
FUR	+I Z SL	PCP	03 50 16.-	1.5	1.54	9	9540	85.8	57.8	321.6
	+I Z SL	XPCP	03 50 29.-	1.5	1.54	5				
MAR 27 ERL H= 12 32 05.0 LAT = 52.6 N LONG= 172.9 E DEPTH= 43 KM MAGNITUDE= 5.6 NEAR ISLANDS, ALEUTIAN ISLANDS										
BNS	+I Z FS	P	12 43 50.0	1.3	2.00		8470	76.1	8.9	350.7
	E Z FS	-	12 52 38.5							
HOF	+I Z SL	P	12 43 50.-	1.5	2.39	9	8480	76.2	11.8	347.6
GRF	+I Z BE	P	12 43 55.3	1.1	2.15	9	8550	76.9	11.4	347.9
	-E Z BE	-	12 44 04.4			6				
	+E Z BE	-	12 44 09.0			3				
STU	+E Z BE	P	12 44 01.0	1.0	1.97	3	8630	78.1	10.1	349.0
BUH	+I Z GT	P	12 44 02.4				8710	78.3	9.5	349.7
FUR	+I Z SL	P	12 44 03.-	1.7	2.44	9	8720	78.4	11.3	347.5
	+I Z SL	PCP	12 44 11.-	2.0	2.40	3				
	+I Z SL	XP	12 44 16.-	1.5	1.76	9				
	+E Z SL	PP	12 46 54.-	1.5	1.36	2				
	Z SL	OM	13 14 00.-	29.0	3.13					
MAR 27 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	14 52 32.4							
	E Z FS	SG	14 52 38.5							
MAR 27 BCS H= 15 38 18.0 LAT = 37.8 N LONG= 20.8 E IONIAN SEA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 27 ERL H= 15 38 24.2 LAT = 38.4 N LONG= 21.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 GREECE										
GRF	E Z BE	P	15 41 44.2			2	1530	13.7	146.3	332.9
MAR 27 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	15 42 00.8							
	I Z FS	SG	15 42 01.6	0.3	1.60					
MAR 27 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	22 56 27.8							
MAR 28 ERL H= 03 30 48.9 LAT = 42.6 N LONG= 144.0 E DEPTH= 65 KM MAGNITUDE= 4.5 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	03 42 49.8			2	8810	79.2	33.5	331.0
	E Z BE	-	03 43 19.4			2				
MAR 28 BCS H= 03 36 34.0 LAT = 28.6 N LONG= 53.0 E SOUTHERN IRAN										
MAR 28 ERL H= 03 36 38.2 LAT = 28.6 N LONG= 52.7 E DEPTH= 37 KM MAGNITUDE= 5.2 SOUTHERN IRAN										
FUR	-I Z SL	P	03 43 49.-	1.0	2.12	7	4170	37.5	106.1	313.0
	+I Z SL	AP	03 43 56.-	1.5	1.59	1				
	-I Z SL	XP	03 44 03.-	1.5	1.59	3				
	-I Z SL	-	03 44 22.-	1.8	1.95	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	+I Z BE	P	03 43 52.7	0.8	1.77	4	4230	38.0	107.9	315.4

MAR 28
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	03 54 13.3							

MAR 28 ERL
H= 10 45 30.3
LAT = 11.8 N
LONG= 42.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
ETHIOPIA

NOS= FELT IN DJIBOUTI AREA.

KRL	+I Z ST	-	10 54 14.0	0.5		5	5190	46.7	130.7	329.4

MAR 28
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	11 16 12.5			2				
	I Z JM	PG	11 16 13.3			4				
	E N BE	SG	11 16 28.9			2				

MAR 28
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	11 22 11.0			2				
	I Z JM	PG	11 22 11.8			4				
	E N BE	SG	11 22 27.8			2				

MAR 28
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	11 27 14.6			4				
	I Z JM	PG	11 27 15.4			6				
	E N BE	SG	11 27 31.3			2				

MAR 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 29 42.9			1				
	E N BE	SG	11 30 11.9			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAR 28 ERL
H= 13 35 04.5
LAT = 11.7 N
LONG= 42.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
ETHIOPIA

NOS= FELT IN DJIBOUTI AREA.

FUR	+E Z SL	P	13 43 18.-	1.9	1.75	1	4990	44.9	133.4	330.3
	-I Z SL	AP	13 43 22.-	2.0	2.10	2				
	+I Z SL	-	13 43 45.-	2.0	2.18	9				
GRF	E Z BE	P	13 43 26.0			2	5120	46.0	134.5	331.8
BUH	E Z GT	P	13 43 35.5				5200	46.8	130.2	328.9

MAR 28 ERL
H= 13 42 06.7
LAT = 11.7 N
LONG= 42.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
ETHIOPIA

NOS= FELT IN DJIBOUTI AREA.

FUR	+I Z SL	P	13 50 20.-	1.8	2.11	9	4980	44.8	133.5	330.3
	-I Z SL	-	13 50 23.-	1.5	1.70	2				
	+I Z SL	AP	13 50 27.-	1.5	1.59	2				
	+I Z SL	-	13 51 16.-	1.8	2.11	2				
	+I Z SL	-	13 51 44.-	1.5	1.84	3				
	-I Z SL	PP	13 52 06.-	1.5	1.59	9				
	+I Z SL	XPP	13 52 22.-	1.5	1.73	3				
	+I Z SL	PPP	13 52 42.-	2.0	1.21	9				
	Z SL	RM	14 13 30.-	15.0	3.61					
GRF	E Z BE	P	13 50 26.8			2	5100	45.9	134.5	331.8
HOF	E SL	RM	14 15 30.-	15.0	4.03		5120	46.0	135.7	332.8
BUH	E Z GT	P	13 50 34.3				5190	46.7	130.3	328.9
BNS	E Z FS	P	13 50 50.0	2.5	2.28		5410	48.7	130.7	330.7
HLG	-E Z SL	P	13 51 02.-			2	5620	50.5	133.5	334.2

MAR 28 ERL
H= 14 18 52.3
LAT = 11.7 N
LONG= 42.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
ETHIOPIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOS= FELT IN OJIBOUTI AREA.										
FUR	+I Z SL	P	14 27 06.-	1.8	2.20	2	5000	44.9	133.3	330.2
	-I Z SL	AP	14 27 10.-	1.8	2.40	2				
	+I Z SL	XP	14 27 18.-	1.5	1.76	4				
	-I Z SL	-	14 28 02.-	1.8	2.30	2				
	-E Z SL	PCP	14 28 45.-	1.8	1.90	4				
	-I Z SL	PP	14 28 51.-	1.5	1.62	3				
	-I Z SL	PPP	14 29 28.-	1.7	1.91	2				
	-I Z SL	-	14 29 41.-	2.0	2.10	3				
	Z SL	PM	14 50 00.-	17.0	3.31					
GRF	+E Z BE	P	14 27 14.2	1.6	2.17	4	5120	46.0	134.3	331.7
BUH	E Z GT	P	14 27 20.7				5200	46.8	130.1	328.8
BNS	+I Z FS	P	14 27 37.0	1.3	1.85		5430	48.8	130.5	330.6
MAR 28 ERL H= 14 59 06.7 LAT = 11.7 N LONG= 42.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 ETHIOPIA										
NOS= FELT IN OJIBOUTI AREA.										
FUR	-E Z SL	P	15 07 19.-	1.3	2.05	3	4930	44.3	133.3	330.2
	-I Z SL	-	15 07 22.-	1.8	2.32	2				
	-I Z SL	XP	15 07 31.-	2.0	2.27	3				
	-E Z SL	-	15 08 11.-	1.3	1.83	2				
	+E Z SL	PP	15 09 06.-	1.5	1.54	2				
	+I Z SL	APP	15 09 13.-	2.0	2.21	3				
	Z SL	PM	15 30 40.-	16.0	3.45					
GRF	E Z BE	P	15 07 26.0			2	5110	46.0	134.4	331.7
BUH	E Z GT	P	15 07 34.0				5200	46.7	130.1	328.8
BNS	E Z FS	P	15 07 51.0	2.2	2.11		5420	48.7	130.5	330.6
MAR 28 ERL H= 16 45 25.3 LAT = 4.5 S LONG= 141.8 E DEPTH= 81 KM MAGNITUDE= 5.5 NEW GUINEA										
GRF	E Z BE	PKP	17 04 05.8			3	13200	118.7	59.7	325.8
BUH	E Z GT	PKP	17 04 08.4				13450	121.0	57.4	326.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAR 28 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	18 11 02.9							
MAR 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	23 13 36.2			2				
MAR 28 ERL H= 23 55 47.3 LAT = 23.3 N LONG= 123.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 SOUTHWESTERN RYUKYU ISLANDS										
HOF	-E Z SL	P	00 08 21.-	3.0	2.42	5	9490	85.3	58.9	323.3
	-E Z SL	XP	00 08 34.-	1.5	2.09	5				
	Z SL	RM	00 54 10.-	14.0	4.15					
GRF	-E Z BE	P	00 08 25.6	1.3	1.92	3	9560	85.9	58.3	323.0
FUR	+I Z SL	P	00 08 30.-	1.5	1.76	9	9640	86.7	58.3	321.7
	+I Z SL	AP	00 08 39.-	2.0	2.33	2				
	+I Z SL	XPCP	00 08 45.-	1.8	2.11	7				
	+I Z SL	-	00 08 52.-	1.8	2.15	3				
	+I Z SL	-	00 09 14.-	1.9	2.25	3				
	+I Z SL	PP	00 12 02.-	1.9	2.05	9				
	N SL	QM	00 43 00.-	22.0	3.98					
BNS	E Z FS	P	00 08 33.0				9720	87.4	55.4	325.5
STU	E Z BE	P	00 08 32.4	1.0	1.67	2	9740	87.6	56.8	323.0
BUH	E Z GT	P	00 08 35.5				9800	88.1	56.1	323.2
MAR 29 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	07 15 15.0							
MAR 29 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	13 30 16.4			1				
	E N BE	SG	13 30 52.1			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
MAR 29 ERL										
H= 17 57 53.6										
LAT = 40.9 N										
LONG= 142.8 E										
DEPTH= 38 KM										
MAGNITUDE= 4.3										
NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	18 10 03.2			2	8920	80.2	35.1	330.4
MAR 29 ERL										
H= 21 34 11.6										
LAT = 40.8 N										
LONG= 143.1 E										
DEPTH= 44 KM										
MAGNITUDE= 4.0										
OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	21 46 17.7			1	8950	80.4	34.9	330.7
MAR 29										
NO DETERMINATION OF EPICENTER										
GRF	+E Z BE	P	23 53 39.3			4				
MAR 30 BCS										
H= 00 06 49.0										
LAT = 76.6 N										
LONG= 7.2 E										
SVALBARD REGION										
MAR 30 ERL										
H= 00 06 52.5										
LAT = 76.3 N										
LONG= 6.0 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
SVALBARD REGION										
HLG	Z X	P	00 11 54.-			3	2500	22.5	359.6	179.0
HAM	E Z SX	P	00 11 58.-			2	2590	23.3	358.4	175.9
BNS	E Z FS	P	00 12 20.5				2860	25.7	0.0	180.0
	E Z FS	-	00 12 24.3	1.8	2.08					
	E Z SL	LR	00 19 00.-	34.0						
	Z SL	-	00 22 00.-	20.0						
HOF	-I Z SL	P	00 12 31.-	2.0	2.93	9	2940	26.5	357.6	173.3
	+I Z SL	-	00 12 39.-	1.5	2.39	3				
GRF	E Z BE	P	00 12 31.4			1	3010	27.1	357.9	174.3
	E Z BE	-	00 12 37.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	P	00 12 39.6				3120	28.0	359.5	178.5
FUR	+I Z SL	P	00 12 46.-	1.5	1.54	9	3180	28.6	358.0	174.3
	+I Z SL	AP	00 12 51.-	1.8	2.14	3				
	+I Z SL	XP	00 12 56.-	1.5	1.59	1				
	+E Z SL	PP	00 13 34.-	1.8	1.70	5				
	-E Z SL	PPP	00 13 53.-	2.4	2.28	5				
	-I Z SL	-	00 14 11.-	2.0	2.14	9				
	Z SL	OM	00 24 30.-	16.0	3.08					
MAR 30 ERL										
H= 03 01 45.5										
LAT = 40.8 N										
LONG= 143.1 E										
DEPTH= 54 KM										
MAGNITUDE= 4.8										
OFF EAST COAST OF HONSHU, JAPAN										
GRF	+E Z BE	P	03 13 54.2	1.0	1.61	3	8950	80.5	35.0	330.6
MAR 30 ERL										
H= 03 16 13.1										
LAT = 4.8 S										
LONG= 103.2 E										
DEPTH= 89 KM										
MAGNITUDE= 5.2										
SOUTHERN SUMATRA										
GRF	E Z BE	P	03 29 27.3			2	10550	94.9	91.5	319.4
MAR 30 ERL										
H= 03 47 24.6										
LAT = 59.9 S										
LONG= 31.3 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.4										
SCOTIA SEA										
FUR	-E Z SL	PP	04 06 49.-	1.5	1.49	8	12580	113.2	201.8	29.5
GRF	E Z BE	P	04 06 56.8			1	12740	114.6	202.0	28.8
MAR 30										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-E Z SL	-	11 11 02.-	1.4	1.52	6				
	Z SL	MAXIMUM	11 11 40.-	1.8	2.26					
MAR 30										
NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	12 51 42.7							
	I Z FS	SG	12 51 50.2							
MAR 30										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E N X	SG	14 28 39.5							
	E Z FS	-	14 28 42.7							
MAR 30										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 46 01.6							
MAR 31										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	14 12 57.5			2				
MAR 31										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	15 54 25.3			2				
MAR 31 ERL										
H= 20 45 31.3										
LAT = 50.2 N										
LONG= 157.1 E										
DEPTH= 44 KM										
MAGNITUDE= 4.8										
KUPIL ISLANDS										
GRF	E Z BE	P	20 57 16.9	0.7	1.20	2	8480	76.3	21.8	337.3
BUH	E Z GT	P	20 57 25.7				8670	77.9	19.9	339.5
APR 01										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	05 51 49.3							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 01 ERL										
H= 06 29 27.7										
LAT = 11.6 N										
LONG= 42.9 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
ETHIOPIA										
NOS= FELT IN OJIBOUTI AREA.										
FUR	-E Z SL	P	06 37 42.-	2.0	1.80	1	5010	45.0	133.4	330.2
	+I Z SL	-	06 37 46.-	1.5	1.53	3				
GRF	E Z BE	P	06 37 54.2			1	5130	46.1	134.4	331.7
APR 01 ERL										
H= 07 12 37.0										
LAT = 11.7 N										
LONG= 43.0 E										
DEPTH= 31 KM										
MAGNITUDE= 5.5										
ETHIOPIA										
NOS= 10 INJURED AND DAMAGE IN OJIBOUTI AREA.										
FUR	+E Z SL	P	07 20 51.-	1.7	2.06	2	5010	45.0	133.2	330.1
	-I Z SL	AP	07 20 58.-	1.8	1.95	2				
	-I Z SL	XP	07 21 05.-	1.5	1.73	2				
	+I Z SL	-	07 23 46.-	1.5	1.53	2				
	Z SL	OM	07 37 00.-	32.0	3.57					
GRF	E Z BE	P	07 20 59.5			2	5130	46.1	134.2	331.6
	E Z BE	-	07 21 13.0			2				
	E Z BE	PCP	07 22 14.2			2				
HOF	Z SL	PM	07 49 40.-	14.0	3.73		5140	46.2	135.4	332.7
BUH	E Z GT	P	07 21 05.0				5210	46.9	130.0	328.8
BNS	E Z FS	P	07 21 19.5	1.8	1.60		5440	48.9	130.4	330.5
	E Z FS	-	07 22 30.-							
	E Z SL	S	07 28 28.-							
	E Z SL	LR	07 35 00.-							
	Z SL	-	07 38 30.-	32.0						
HLG	E Z SL	P	07 21 30.-			2	5640	50.7	133.2	334.1
APR 01 ERL										
H= 08 45 31.1										
LAT = 55.0 N										
LONG= 161.6 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
NEAR EAST COAST OF KAMCHATKA										
GRF	-I Z BE	P	08 56 59.7			5	8100	72.8	17.4	340.4

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STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 01 ERL										
H= 03 48 51.7										
LAT = 68.2 N										
LONG= 18.9 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.3										
ICELAND REGION										
GRF	E Z BE	P	08 53 58.3			1	2640	23.7	332.2	126.0
APR 01 ERL										
H= 03 51 13.0										
LAT = 67.8 N										
LONG= 18.6 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.5										
ICELAND REGION										
BNS	E Z FS	P	08 55 55.0	2.0	1.90		2340	21.1	332.6	130.2
GRF	-E Z BE	P	08 56 20.8			4	2600	23.4	331.6	125.7
BUH	E Z GT	P	08 56 21.0				2600	23.4	334.4	131.3
APR 01										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	12 04 15.5			2				
APR 01										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	13 45 45.7							
APR 01										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	14 40 46.0							
APR 02 EPL										
H= 01 27 03.0										
LAT = 27.1 N										
LONG= 61.6 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
SOUTHERN IRAN										
GRF	E Z BE	P	01 35 18.8			1	4940	44.4	101.4	314.4
	E Z BE	-	01 35 41.0			2				

APR 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 02 ERL										
H= 02 43 24.8										
LAT = 37.7 N										
LONG= 70.0 E										
DEPTH= 54 KM										
MAGNITUDE= 4.4										
AFGHANISTAN-USSR BORDER REGION										
NOS= FELT (VI) AT KULYAB, USSR.										
GRF	E Z BE	P	02 51 32.3			1	4790	43.1	83.1	305.6
FUR	-I Z SL	-	02 51 56.-	1.5	1.49	2	4810	43.3	81.5	303.4
APR 02										
NO DETERMINATION OF EPICENTER										
FUR	-E Z SL	-	09 43 25.-	1.5	1.43	7				
APR 02 ERL										
H= 19 25 00.4										
LAT = 7.3 N										
LONG= 34.4 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
CENTRAL MID-ATLANTIC RIDGE										
FUR	+I Z SL	P	19 34 37.-	1.7	1.91	9	6240	56.1	238.7	35.2
	+I Z SL	-	19 34 42.-	1.3	2.06	3				
	+I Z SL	XP	19 34 48.-	1.3	2.26	3				
	-I Z SL	-	19 34 56.-	1.8	2.04	3				
	-I Z SL	PP	19 36 43.-	1.5	1.43	2				
GRF	E Z BE	P	19 34 43.4			2	6330	56.9	237.8	33.6
APR 02										
NO DETERMINATION OF EPICENTER										
BNS	-I Z FS	P	20 23 35.0	1.0	2.00					
APR 02										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	23 43 48.4							
APR 03 EPL										
H= 10 50 26.3										
LAT = 45.9 N										
LONG= 151.1 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
KURIL ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
GRF	+I 7 BE	P	11 02 27.4	0.7	1.68	4	8750	78.7	27.3	334.7

APR 03 ERL
H= 13 54 01.8
LAT = 4.7 N
LONG= 75.6 W
DEPTH=158 KM
MAGNITUDE= 6.2
COLOMBIA

NOS= DAMAGE IN PEREIRA, ARMENIA AND IBAGUE. FELT WIDELY IN COLOMBIA AND (III) IN CARACAS, VENEZUELA. MAG. 6.7 (PAS).

BNS	-I Z FS	P	14 06 05.6	1.7	2.56		9100	81.8	267.4	39.3
	E Z FS	AP	14 07 42.5							
	E Z SL	-	14 16 55.-							
	E Z SL	-	14 37 26.-	20.0						
BUH	-I Z GT	P	14 06 08.1				9170	82.4	268.5	41.7
KRL	-E Z ST	P	14 06 09.8			5	9180	82.6	268.6	41.3
STU	-E Z BE	P	14 06 11.2	1.0	2.55	4	9240	83.1	269.2	41.6
	-E N SL	S	14 16 18.0	14.0	3.68	7				
GRF	-I Z BE	P	14 06 18.9	1.3	2.48	8	9390	84.4	270.6	40.7
	E Z BE	AP	14 06 56.8			2				
	+I Z BE	APCP	14 06 58.0			4				
	-I Z BE	XP	14 07 13.9			9				
	-E Z BE	PP	14 09 34.6			3				
HOF	-I Z SL	P	14 06 21.-	2.0	2.99	9	9430	84.8	271.1	40.0
	+I Z SL	AP	14 07 05.-	3.0	2.95	9				
	-I Z SL	XP	14 07 16.-	2.0	3.05	9				
BRN	-E Z ET	P	14 06 25.-			5	9520	85.6	271.9	37.9
	-E Z ET	AP	14 07 04.-			3				
	+E E ET	S	14 16 43.-			3				

APP 03 ERL
H= 17 22 46.3
LAT = 4.6 S
LONG= 103.2 E
DEPTH=100 KM
MAGNITUDE= 5.2
SOUTHERN SUMATRA

GRF	E Z BE	P	17 35 58.9			2	10540	94.8	91.5	319.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
APR 03 ERL										
H= 20 04 47.7										
LAT = 7.5 N										
LONG= 36.3 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
CENTRAL MID-ATLANTIC RIDGE										
FUR	+I Z SL	P	20 14 34.-	1.8	2.08	2	6340	57.0	240.7	36.1
	+I Z SL	AP	20 14 41.-	1.5	1.59	2				
GRF	+E Z BE	P	20 14 37.7	1.1	1.72	3	6420	57.8	239.8	34.5
HOF	+E Z SL	P	20 14 39.-	1.5	2.24	9	6500	58.4	240.1	34.1

APR 04 ERL
H= 01 31 57.8
LAT = 6.8 S
LONG= 12.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
ASCENSION ISLAND REGION

GRF	E Z BE	P	01 42 08.7			2	6650	59.8	207.0	17.2

APR 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	02 25 25.5							

APR 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	02 27 31.0							

APR 04
NO DETERMINATION OF EPICENTER

BUH	+E Z GT	PN	03 03 07.3							

APR 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	06 40 28.0							

APR 04
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	10 39 43.8			1				
	E N BE	SG	10 40 09.3			1				

APR 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 04										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	14 39 06.1							
APR 04										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	15 38 10.0							
	I Z FS	SG	15 38 10.7							
APR 04										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	15 47 48.4							
APR 04										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	16 31 51.2			2				
	E N BE	SG	16 32 23.5			2				
APR 04										
NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	19 59 17.7							
FUR	+E Z SL	-	19 59 36.-	1.2	1.85	4				
GRF	E Z JM	PN	19 59 33.0							
	E Z JM	PG	19 59 45.5			1				
	I N BE	SG	20 00 18.7			2				
						6				
APR 04	ERL									
H= 21 50 53.9										
LAT = 43.4 N										
LONG= 147.7 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.2										
KURIL ISLANDS										
GRF	E Z BE	P	22 03 01.5			2	8880	79.8	30.7	333.0
FUR	-I Z SL	P	22 03 03.-	1.5	1.59	1	9020	81.1	30.6	332.2
	+I Z SL	PCP	22 03 11.-	1.5	1.76	2				
	+I Z SL	APCP	22 03 21.-	1.5	1.36	3				
	-I Z SL	XPCP	22 03 30.-	1.5	1.59	9				
BUH	E Z GT	P	22 03 11.0				9080	81.7	28.6	334.2

APR 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 04	ERL									
H= 23 56 43.4										
LAT = 43.3 N										
LONG= 147.8 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.3										
KURIL ISLANDS										
GRF	+E Z BE	P	00 08 51.4			3	8890	79.9	30.7	333.0
BNS	E Z FS	P	00 08 52.0	1.0	1.30		8910	80.1	28.1	336.0
FUR	+E Z SL	P	00 08 58.-	1.5	1.43	4	9030	81.2	30.6	332.2
	+I Z SL	AP	00 09 06.-	1.5	1.49	3				
	-I Z SL	PCP	00 09 10.-	1.9	2.00	2				
BUH	E Z GT	P	00 09 00.4				9100	81.8	28.6	334.2
APR 05	ERL									
H= 01 59 12.6										
LAT = 12.3 N										
LONG= 46.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.6										
WESTERN GULF OF ADEN										
FUR	+I Z SL	AP	02 07 43.-	1.8	1.90	2	5140	46.2	128.8	327.7
	-I Z SL	PCP	02 09 07.-	2.0	1.94	2				
GRF	E Z BE	P	02 07 42.1			1	5250	47.2	129.9	329.3
APR 05	ERL									
H= 04 32 08.1										
LAT = 11.9 N										
LONG= 122.5 E										
DEPTH= 6 KM										
MAGNITUDE= 5.4										
PANAY, PHILIPPINE ISLANDS										
GRF	E Z BE	P	04 45 46.5			1	10480	94.3	66.1	322.6
FUR	+E Z SL	AP	04 45 40.-	2.0	2.00	8	10550	94.8	66.3	321.2
APR 05										
NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	13 45 48.-	1.8	2.00	5				
	+I Z SL	-	13 46 04.-	1.5	1.62	2				
APR 05										
NO DETERMINATION OF EPICENTER										
GRF	I Z JM	PG	14 41 07.4			3				
	E Z JM	-	14 41 09.3			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E N BE	SG	14 41 34.5			2				
APR 05 ERL H= 19 24 01.6 LAT = 30.9 N LONG= 50.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.0 IRAN										
GRF	E Z BE	P	19 30 51.0			2	3880	34.9	107.7	314.0
APR 05 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	21 41 40.0							
APR 05 ERL H= 22 16 59.6 LAT = 43.6 N LONG= 147.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 KURIL ISLANDS										
HOF	Z SL	RM	23 08 00.-	16.0	4.28		8770	78.9	31.1	332.9
GRF	E Z BE	P	22 23 05.8	1.0	2.03	4	8850	79.6	30.6	333.0
	+E Z BE	PCP	22 29 18.0			6				
	E Z BE	-	22 29 58.7			2				
BNS	I Z FS	P	22 23 06.3	1.1	2.04		8870	79.8	28.0	335.9
	E Z FS	-	22 29 17.5							
FUR	+I Z SL	P	22 23 14.-	1.3	1.93	6	9000	80.9	30.5	332.1
	+I Z SL	APCP	22 29 26.-	1.7	1.99	2				
	+I Z SL	XPCP	22 29 34.-	1.7	2.11	2				
	Z SL	RM	23 09 30.-	16.0	3.86					
STU	E Z BE	P	22 29 13.2	1.1	2.07	2	9010	81.1	29.1	333.7
BUH	E Z GT	P	22 29 15.0				9060	81.5	28.5	334.2
APR 05 ERL H= 22 35 28.7 LAT = 43.7 N LONG= 147.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	+E Z BE	P	22 47 34.6			2	8850	79.5	30.6	332.9
	E Z BE	PCP	22 47 47.0			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 05 ERL H= 22 41 56.4 LAT = 43.5 N LONG= 147.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 KURIL ISLANDS										
GRF	E Z BE	P	22 54 04.0			1	8860	79.7	30.6	333.0
APR 05 ERL H= 23 06 51.1 LAT = 43.5 N LONG= 147.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 KURIL ISLANDS										
GRF	E Z BE	P	23 18 57.6			1	8860	79.7	30.6	333.0
	E Z BE	PCP	23 19 10.5			2				
APR 05 ERL H= 23 32 22.9 LAT = 43.6 N LONG= 147.7 E DEPTH= 52 KM MAGNITUDE= 4.2 KURIL ISLANDS										
GRF	E Z BE	P	23 44 41.1			1	8850	79.6	30.6	332.9
APR 05 ERL H= 23 33 57.5 LAT = 43.2 N LONG= 147.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 KURIL ISLANDS										
GRF	E Z BE	P	23 46 05.7			1	8890	80.0	30.7	333.0
APR 06 ERL H= 00 00 43.6 LAT = 43.6 N LONG= 147.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	-E Z BE	P	00 12 50.3			3	8850	79.6	30.5	333.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 06 ERL H= 00 01 56.4 LAT = 43.7 N LONG= 147.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 KURIL ISLANDS										
GRF	+E Z BE	P	00 14 02.8	1.2	1.96	4	8850	79.5	30.6	332.9
	-I Z BE	PCP	00 14 14.8			2				
BNS	E Z FS	P	00 14 02.5	1.2	1.48		8860	79.7	28.0	335.9
	E Z FS	-	00 14 15.0							
FUR	-I Z SL	P	00 14 10.-	1.3	1.93	4	8990	80.8	30.5	332.1
	-I Z SL	AP	00 14 20.-	1.5	1.59	3				
	+I Z SL	XPCP	00 14 26.-	1.5	1.54	2				
STU	E Z BE	P	00 14 10.3	1.0	1.57	2	9010	81.0	29.2	333.6
BUH	E Z GT	P	00 14 12.0				9050	81.4	28.5	334.1
APR 06 ERL H= 01 46 18.2 LAT = 51.4 N LONG= 178.4 W DEPTH= 50 KM MAGNITUDE= 5.0 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	01 58 17.8			2	8780	78.9	6.1	353.6
APR 06 ERL H= 01 48 00.3 LAT = 43.7 N LONG= 147.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 KURIL ISLANDS										
GRF	+I Z BE	P	02 00 06.1	1.2	2.15	4	8850	79.6	30.5	333.0
	-I Z BE	PCP	02 00 19.4			4				
BNS	I Z FS	P	02 00 06.0				8860	79.7	27.9	335.9
	I Z FS	-	02 00 08.2	1.0	1.78					
	I Z FS	-	02 00 19.1							
FUR	+I Z SL	P	02 00 14.-	1.5	1.81	6	8990	80.9	30.4	332.2
	-I Z SL	PCP	02 00 20.-	1.3	2.00	2				
	-I Z SL	APCP	02 00 26.-	1.5	1.81	4				
	+I Z SL	-	02 00 29.-	1.5	1.93	2				
	+I Z SL	XPCP	02 00 34.-	1.5	1.98	4				
	Z SL	RM	02 40 30.-	15.0	3.65					
STU	E Z BE	P	02 00 13.6	0.9	1.91	2	9010	81.0	29.1	333.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	02 00 15.0				9050	81.4	28.4	334.2
APR 06 ERL H= 01 57 10.1 LAT = 43.5 N LONG= 147.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 KURIL ISLANDS										
GRF	E Z BE	P	02 09 15.2			2	8860	79.6	30.7	332.9
	E Z BE	PCP	02 09 29.2			2				
APR 06 ERL H= 02 23 10.5 LAT = 35.1 N LONG= 139.5 E DEPTH=148 KM MAGNITUDE= 3.9 NEAR S. COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	02 35 25.5			1	9330	83.9	40.4	329.1
APR 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	02 54 15.7							
APR 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	02 56 00.3							
APR 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	03 45 20.1							
GRF	E Z BE	PG	03 45 56.6			1				
	E N BE	SG	03 46 29.4			2				
FUR	-I Z SL	-	03 46 30.-	1.5	1.43	1				
	-I Z SL	-	03 46 47.-	1.5	1.36	6				
APR 06 ERL H= 05 40 52.5 LAT = 43.4 N LONG= 147.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 KURIL ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	05 53 00.1			2	8870	79.8	30.7	333.0
	E Z BE	PCP	05 53 12.4			2				

APR 06 ERL
H= 10 44 04.8
LAT = 43.7 N
LONG= 147.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.2
KURIL ISLANDS

GRF	E Z BE	P	10 56 12.5			1	8840	79.5	30.6	332.9
	E Z BE	PCP	10 56 23.4			1				

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	11 26 17.3							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	12 13 35.9							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	12 19 49.3							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	12 21 19.4							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	12 21 20.8							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	12 24 45.0							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	12 45 50.9							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 06
NO DETERMINATION OF EPICENTER

BUH	I Z GT	PG	12 54 03.3							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	13 06 38.5							

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	14 10 44.8							

APR 06 ERL
H= 14 13 54.2
LAT = 34.4 N
LONG= 25.2 E
DEPTH= 16 KM
MAGNITUDE= 5.1
CRETE

APR 06 BCS
H= 14 14 00.0
LAT = 34.4 N
LONG= 25.2 E
DEPTH= 45 KM
CRETE

FUR	+I Z SL	P	14 17 58.-	1.8	2.82	9	1920	17.2	137.7	326.9
	+I Z SL	AP	14 18 06.-	1.9	2.80	8				
	-I Z SL	-	14 18 15.-	1.5	1.98	2				
	Z SL	RM	14 26 00.-	15.0	3.38					
GRF	E Z BE	P	14 18 10.3	1.0	2.21	3	2050	18.4	140.6	330.1
STU	+E Z BE	P	14 18 14.2	1.0	2.30	3	2070	18.6	134.3	325.1
HOF	-I Z SL	P	14 18 08.-	4.0	2.87	9	2070	18.6	143.3	332.4
	-I Z SL	PP	14 18 22.-	4.0	2.87	9				
BUH	E Z GT	P	14 18 17.9				2120	19.0	132.1	323.5
RNS	+I Z ES	P	14 18 40.4	1.6	2.30		2350	21.1	134.6	327.0

APR 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	14 25 27.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 06 ERL H= 14 45 53.1 LAT = 43.8 N LONG= 147.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	14 58 10.6			1	8830	79.4	30.5	332.9
APR 06 ERL H= 14 58 01.7 LAT = 43.5 N LONG= 147.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 KURIL ISLANDS										
GPF	-E Z BE	P	15 10 08.9	1.0	1.51	3	8860	79.7	30.7	332.9
APR 06 ERL H= 15 09 04.4 LAT = 43.5 N LONG= 147.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 KURIL ISLANDS										
GRF	+E Z BE	P	15 21 11.0			2	8860	79.7	30.6	333.0
	E Z BE	PCP	15 21 23.2			2				
APR 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	15 09 47.5							
APR 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	16 11 49.4							
APR 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	16 12 06.7							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 06 ERL H= 18 28 56.9 LAT = 51.8 N LONG= 173.5 W DEPTH= 21 KM MAGNITUDE= 4.5 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+E Z BE	P	18 41 00.3	0.6	1.19	2	8770	78.8	3.0	356.9
	E Z BE	PCP	18 41 13.4			2				
APR 06 ERL H= 18 42 10.8 LAT = 20.0 S LONG= 176.5 W DEPTH=242 KM MAGNITUDE= 4.8 FIJI ISLANDS REGION										
GRF	-E Z BE	PKP	19 01 33.6	0.8	1.40	4	16650	149.7	14.4	350.1
FUR	+I Z SL	PKP1	19 01 37.-	1.0	2.06	3	16810	151.2	15.2	349.2
APR 06 ERL H= 18 46 13.7 LAT = 51.6 N LONG= 173.3 W DEPTH= 40 KM MAGNITUDE= 4.7 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+E Z BE	P	18 58 15.6			2	8790	79.0	2.9	357.0
APR 06 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	22 58 26.2			1				
	E N BE	SG	22 59 02.6			2				
APR 07 NO DETERMINATION OF EPICENTER										
GRF	+E Z BE	P	02 32 01.2			2				
APR 07 ERL H= 03 00 58.8 LAT = 7.0 N LONG= 91.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.9 NICOBAR ISLANDS REGION										
BRN	-E Z ET	P	03 12 52.-			2	8600	77.3	95.1	322.1

APR 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	-I Z SL	P	03 12 55.-	1.5	2.69	9	8670	78.0	93.6	319.9
	-I Z SL	PCP	03 13 03.-	2.0	2.81	9				
	+I Z SL	APCP	03 13 11.-	1.5	2.65	9				
	+I Z SL	-	03 13 24.-	4.0	3.27	9				
	-I Z SL	APP	03 15 04.-	4.0	3.05	9				
	+I Z SL	-	03 16 51.-	2.0	2.68	9				
	+E Z SL	SS	03 28 02.-	7.0	3.55	9				
	Z SL	RM	03 56 20.-	16.0	4.52					
FUR	-I Z SL	P	03 12 57.-	1.8	2.70	9	8700	78.2	92.7	317.7
	+I Z SL	PCP	03 13 03.-	1.5	1.76	3				
	-I Z SL	XP	03 13 10.-	1.7	2.51	8				
	+I Z SL	XPCP	03 13 23.-	1.3	2.20	1				
	+I Z SL	APP	03 16 01.-	1.7	1.91	2				
	N SL	RM	03 47 00.-	22.0	4.59					
GRF	-I Z BE	P	03 12 58.2	1.0	2.48	9	8710	78.4	93.0	319.2
	E Z BE	PCP	03 13 03.8			2				
	E Z BE	-	03 13 15.4			4				
	E Z BE	-	03 13 28.4			2				
	+I Z BE	-	03 13 36.0			4				
	+I Z BE	-	03 14 02.8			9				
	I Z BE	-	03 14 17.3			4				
	E Z BE	-	03 14 46.7			3				
STU	-E Z BE	P	03 13 04.4	0.7	2.01	5	8860	79.7	91.2	318.2
	-E N SL	S	03 23 04.0	25.0	3.62	4				
TNS	Z ST	P	03 13 08.-			2	8910	80.2	90.9	319.7
KRL	-E Z ST	P	03 13 08.0	1.5		5	8920	80.2	90.7	318.5
OUH	-I Z GT	P	03 13 07.7				8930	80.3	90.5	318.1
HLG	E Z SL	P	03 13 12.-			1	8960	80.6	91.2	323.7
	Z SL	S	03 23 22.-			3				
BNS	E Z FS	P	03 13 11.5	1.5	2.04		9010	81.0	90.1	320.4
	I Z FS	-	03 13 21.4							
	-I Z SL	S	03 23 24.-							
	E Z FS	LR	03 39 00.-	64.0						
	Z SL	-	03 46 30.-	30.0						

APR 07 ERL
H= 03 14 46.9
LAT = 6.9 N
LONG= 91.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
NICOBAR ISLANDS REGION

FUR	+I Z SL	P	03 26 48.-	1.5	1.53	5	8710	78.3	92.8	317.7
GRF	E Z BE	P	03 26 47.2			2	8720	78.4	93.0	319.2

APR 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 07 ERL
H= 06 35 47.1
LAT = 46.0 N
LONG= 27.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
NORTH ATLANTIC RIDGE

FUR	+I Z SL	P	06 41 22.-	1.9	1.95	8	2930	26.4	279.9	71.0

APR 07 ERL
H= 12 22 47.3
LAT = 58.3 S
LONG= 13.4 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 6.2
SOUTHWESTERN ATLANTIC OCEAN

FUR	+E Z SL	P	12 37 23.-	1.8	1.78	3	12010	108.0	193.4	17.1
	+E Z SL	PP	12 41 41.-	2.0	2.18	4				
	-I Z SL	APP	12 41 51.-	2.6	2.69	4				
	Z SL	RM	13 32 30.-	15.0	3.82					

APR 07 ERL
H= 16 04 14.1
LAT = 43.6 N
LONG= 147.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.1
KURIL ISLANDS

GRF	E Z BE	P	16 16 23.6			1	8860	79.7	30.5	333.0

APR 07 ERL
H= 19 30 06.9
LAT = 41.5 N
LONG= 20.0 E
DEPTH= 16 KM
MAGNITUDE= 4.7
ALBANIA

APR 07 BCS
H= 19 30 09.0
LAT = 41.5 N
LONG= 20.0 E
ALBANIA

NOS= FELT (VI) MARIANESHI AREA.

FUR	+E Z SL	P	19 32 24.-	1.5	1.28	1	1010	9.1	134.0	320.1
	+I Z SL	-	19 33 05.-	1.8	2.00	2				
	+I Z SL	-	19 34 44.-	1.5	1.76	2				
	Z SL	QM	19 35 00.-	2.4	2.80					

APP 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	P	19 32 34.6			1	1140	10.2	139.9	326.2
STU	E Z BE	P	19 32 39.5	0.8	1.73	2	1170	10.5	129.7	317.3
BUH	E Z GT	P	19 32 45.0				1220	11.0	126.5	314.8

APR 07
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	22 10 51.5							

APR 07
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	22 19 13.2							

APR 07 ERL
H= 22 50 54.5
LAT = 20.7 S
LONG= 69.2 W
DEPTH= 95 KM
MAGNITUDE= 5.6
NORTHERN CHILE

GRF	E Z BE	P	23 04 28.1			1	11070	99.5	249.4	40.5

APR 08 ERL
H= 04 12 53.7
LAT = 40.0 N
LONG= 20.6 E
DEPTH= 45 KM
MAGNITUDE= 7.8
GREECE-ALBANIA BORDER REGION

APR 08 BCS
H= 04 12 55.0
LAT = 39.8 N
LONG= 20.6 E
DEPTH= 45 KM
GREECE-ALBANIA BORDER REGION

GRF	E Z BE	P	04 15 55.6			1	1310	11.8	142.1	328.7

APR 08
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PG	05 30 13.6							

APR 08
NO DETERMINATION OF EPICENTER

APR 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	PG	07 04 56.5			1				
	E N BE	SG	07 06 17.0			2				

APR 08 ERL
H= 12 41 02.0
LAT = 15.8 S
LONG= 167.2 E
DEPTH= 35 KM
MAGNITUDE= 5.8
NEW HEBRIDES ISLANDS

BRN	-E Z ET	PKP	13 00 27.-			4	15350	138.0	39.1	336.3
	+E Z ET	PP	13 03 15.-			2				
	+E E ET	PKS	13 04 08.-			3				
HAM	E Z SX	PKP	13 00 27.-			3	15390	138.4	34.0	339.7
HLG	E Z SL	PKP	13 00 16.-			4	15390	138.4	30.8	341.8
	Z SL	PP	13 03 16.-			3				
	Z SL	RM	13 57 30.-							
HOF	+I Z SL	PKP1	13 00 27.-	4.0	3.17	9	15590	140.2	38.9	335.3
	+I Z SL	APKP	13 00 38.-	4.0	3.28	4				
	+I Z SL	PP	13 03 29.-	3.0	3.05	9				
	-I Z SL	APP	13 03 36.-	3.0	3.05	4				
	-I Z SL	XPP	13 03 44.-	4.0	3.02	9				
	+I Z SL	SKP	13 04 12.-	5.0	3.38	9				
GRF	E Z BE	PKP	13 00 24.8			2	15670	141.0	38.4	335.2
	E Z BE	-	13 00 30.7			4				
BNS	+E Z SL	PKP	13 00 23.-	18.0			15720	141.4	31.8	339.8
	E Z FS	-	13 00 27.5	1.5	2.08					
	+I Z SL	PP	13 03 35.-							
	E Z SL	LR	13 44 55.-	45.0						
	Z SL	-	14 02 00.-	22.0						
FUR	-E Z SL	PKP1	13 00 28.-	2.0	2.14	2	15800	142.1	39.7	333.6
	+I Z SL	APKP	13 00 37.-	1.5	2.38	3				
	-I Z SL	XPKP	13 00 42.-	3.0	3.05	6				
	+I Z SL	PP	13 03 40.-	1.5	2.03	7				
	-I Z SL	XPP	13 03 55.-	3.0	2.81	2				
STU	+I Z SL	PKP	13 00 26.0	4.0	3.98	1	15850	142.5	36.3	336.0
KRL	+E Z ST	PKP	13 00 33.-	3.0		4	15860	142.6	35.0	336.9
BUH	E Z GT	PKP	13 00 30.0				15900	142.9	35.0	336.8

APR 08
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	16 29 14.1							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 08										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	20 16 09.7			2				
APR 08 ERL										
H= 20 48 46.0										
LAT = 23.9 S										
LONG= 177.0 W										
DEPTH=122 KM										
MAGNITUDE= 5.5										
SOUTH OF FIJI ISLANDS										
HAM	E Z SX	PKP	21 08 24.-			2	16680	150.0	12.8	351.7
BNS	E Z FS	PKP	21 08 29.5				16990	152.8	8.5	354.2
	I Z FS	-	21 08 36.3	1.0	2.00					
	E Z FS	APKP	21 09 04.3							
GRF	E Z BE	PKP	21 08 22.6			2	17060	153.4	17.1	348.0
	-E Z BE	-	21 08 31.3			3				
	-I Z BE	-	21 08 38.7			6				
	I Z BE	-	21 08 44.2			9				
STU	E Z BE	PKP	21 08 24.5	1.0	1.49	2	17200	154.7	13.4	350.3
FUR	-E Z SL	PKP1	21 08 25.-	1.5	1.49	8	17220	154.9	18.2	346.8
	-I Z SL	PKHKP	21 08 41.-	1.5	1.49	2				
	+I Z SL	PKP2	21 08 50.-	1.5	1.89	4				
	-I Z SL	XPKP	21 09 09.-	1.5	1.59	2				
	+I Z SL	APKP	21 09 26.-	1.5	1.66	3				
BUH	E Z GT	PKP	21 08 24.7				17220	154.9	11.4	351.7
APR 08 ERL										
H= 21 54 59.2										
LAT = 47.0 N										
LONG= 152.3 E										
DEPTH=104 KM										
MAGNITUDE= 5.6										
KURIL ISLANDS										
HAM	+E Z SX	P	22 06 31.-			7	8330	74.9	25.6	337.8
HOF	+I 7 SL	P	22 06 43.-	1.5	2.87	9	8590	77.2	26.6	335.2
BNS	+I Z FS	P	22 06 46.9	1.0	2.62		8660	77.9	23.6	338.3
GRF	+I Z BE	P	22 06 47.8	0.8	2.74	9	8670	78.0	26.1	335.3
FUR	+I Z SL	P	22 06 56.-	1.3	2.74	9	8820	79.3	26.0	334.6
	-I Z SL	PCP	22 07 05.-	1.5	1.59	3				
	-I Z SL	-	22 07 26.-	2.0	2.14	4				
	-I Z SL	XP	22 07 34.-	1.3	1.83	9				
	+I 7 SL	XPCP	22 07 41.-	1.5	1.66	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
STU	+I Z BE	P	22 06 54.5	0.8	2.56	6	8830	79.4	24.7	336.2
BUH	+I Z GT	P	22 06 56.9				8860	79.7	24.1	336.7
APR 09 ERL										
H= 08 32 42.1										
LAT = 26.8 N										
LONG= 125.3 E										
DEPTH=186 KM										
MAGNITUDE= 5.4										
NORTHEAST OF TAIWAN										
GRF	-E Z BE	P	08 44 53.4	1.1	1.89	3	9340	84.0	55.1	323.4
FUR	-I Z SL	P	08 44 58.-	1.8	2.38	6	9440	84.9	55.0	322.1
	+I Z SL	APCP	08 45 50.-	1.8	3.54	5				
	+I Z SL	-	08 46 40.-	1.8	1.95	2				
	+I Z SL	-	08 47 36.-	2.0	2.24	4				
BNS	-I Z FS	P	08 45 51.8	1.5	1.70		9490	85.3	52.3	326.0
	E Z FS	-	08 46 13.-							
BUH	E Z GT	P	08 45 03.3				9580	86.2	52.9	323.7
	E Z GT	P	08 45 56.0							
APR 09 ERL										
H= 08 41 02.1										
LAT = 46.0 N										
LONG= 27.7 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
NORTH ATLANTIC RIDGE										
GRF	-E Z BE	P	08 45 45.2	1.4	2.00	3	2910	26.2	276.9	67.6
APR 09 ERL										
H= 22 49 57.0										
LAT = 28.9 N										
LONG= 140.7 E										
DEPTH= 94 KM										
MAGNITUDE= 5.2										
BONIN ISLANDS REGION										
GRF	E Z BE	P	23 02 46.7			2	9990	89.8	42.6	329.9
APR 10										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	P	00 17 41.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 10 ERL H= 01 09 15.7 LAT = 20.4 S LONG= 176.3 W DEPTH=265 KM MAGNITUDE= 4.8 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	01 28 37.2			2	16700	150.2	14.3	350.1
	-I Z BE	-	01 28 44.6			4				
APR 10 ERL H= 07 35 46.9 LAT = 20.7 S LONG= 178.4 W DEPTH=550 KM (GEOPHYSICIST) MAGNITUDE= 4.4 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	07 54 36.3			2	16680	150.0	18.3	347.4
	I Z BE	-	07 54 44.6			3				
APR 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	07 58 46.6							
APR 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	12 02 32.6							
APR 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	13 22 11.0			4				
	E E BE	SG	13 22 32.0			3				
APR 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 48 56.8			2				
	E N BE	SG	14 49 30.9			2				
APR 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	18 32 33.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 10 ERL H= 19 55 55.8 LAT = 9.8 S LONG= 119.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.8 SUMBA ISLAND REGION										
GRF	E Z BE	P	20 10 58.0			1	12130	109.1	82.5	319.2
	E Z BE	PKP	20 14 24.5			2				
FUR	-I Z SL	PKP1	20 14 26.-	1.8	1.90	1	12150	109.2	83.1	317.6
	+I Z SL	PP	20 14 52.-	1.7	2.16	6				
BUH	E Z GT	PKP	20 14 28.0				12360	111.2	80.5	318.4
APR 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	20 04 51.5							
APR 11 ERL H= 02 06 46.4 LAT = 2.6 S LONG= 138.7 E DEPTH= 48 KM MAGNITUDE= 5.2 WEST NEW GUINEA										
GRF	E Z BE	PKP	02 26 23.5			1	12840	115.4	61.3	325.2
APR 11 ERL H= 02 22 17.8 LAT = 16.1 N LONG= 95.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 OAXACA, MEXICO										
BUH	E Z GT	P	02 35 04.1				9650	86.8	290.7	40.2
GRF	E Z BE	P	02 35 17.0			2	9810	88.2	292.9	38.5
APR 11 ERL H= 05 01 37.3 LAT = 58.8 N LONG= 13.2 E DEPTH= 33 KM (NORMAL) SWEDEN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 11 BCS H= 05 01 38.0 LAT = 58.8 N LONG= 14.2 E SWEDEN										
NOS= FELT IN LAKE VAENERN AREA.										
GRF	E Z BE	P	05 05 35.3			2	1030	9.2	6.4	188.0
APR 11 ERL H= 05 12 18.1 LAT = 64.6 N LONG= 160.1 W DEPTH= 15 KM (GEOPHYSICIST) MAGNITUDE= 4.2 CENTRAL ALASKA										
GRF	E Z BE	P	05 23 05.0			1	7320	65.8	355.9	6.2
APR 11 ERL H= 09 23 06.6 LAT = 0.8 S LONG= 127.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 HALMAHERA										
GRF	E Z BE	PKP	09 41 11.1			2	11940	107.4	69.9	322.4
FUR	+I Z SL	PKP1	09 41 35.-	1.8	1.78	6	12000	107.9	70.4	320.9
	+I Z SL	PP	09 42 02.-	1.8	2.00	1				
APR 11 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	10 38 11.6			2				
	E Z JM	PG	10 38 18.1			2				
	E N BE	SG	10 38 41.1			3				
APR 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	14 46 58.7			2				
APR 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	14 58 09.0							
FUR	+I Z SL	-	14 59 20.-	1.5	1.36	6				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	-	15 00 28.-	1.5	1.59	2				
APR 11 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	15 47 31.5							
APR 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	19 03 12.2							
APR 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	21 14 57.2			2				
	E N BE	SG	21 15 16.8			6				
APR 11 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PG	21 22 04.1			2				
	E N BE	SG	21 22 23.0			2				
APR 11 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PG	21 24 06.2			2				
	E N BE	SG	21 24 25.3			2				
APR 12 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	01 57 23.8							
APR 12 ERL H= 02 01 05.3 LAT = 20.1 S LONG= 169.2 E DEPTH= 55 KM MAGNITUDE= 4.8 NEW HEBRIDES ISLANDS										
GRF	+I Z BE	PKP	02 20 39.2	1.2	2.01	8	16200	145.7	38.6	334.4
	E Z BE	-	02 20 53.4			2				
BNS	+I Z FS	PKP	02 20 39.5	1.2	1.60		16250	146.1	31.3	339.5
	E Z FS	-	02 20 54.-							
FUR	+I Z SL	PKP1	02 20 44.-	1.3	2.18	9	16330	146.8	40.2	332.6
	+I Z SL	XPKP	02 20 59.-	1.5	1.36	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
STU	+E Z BE	PKP	02 20 43.0	0.9	2.05	3	16370	147.2	36.4	335.3
BUH	E Z GT	PKP	02 20 44.5				16420	147.7	34.9	336.2

APR 12 ERL
H= 02 31 48.0
LAT = 43.5 N
LONG= 146.8 E
DEPTH= 58 KM
MAGNITUDE= 4.5
KURIL ISLANDS

GRF	-E Z BE	P	02 43 50.2			3	8830	79.4	31.2	332.4

APR 12 ERL
H= 04 40 54.9
LAT = 29.6 N
LONG= 130.5 E
DEPTH= 37 KM
MAGNITUDE= 5.1
RYUKYU ISLANDS

GRF	+E Z BE	P	04 53 25.7			3	9390	84.4	49.7	325.3
FUR	-I Z SL	PCP	04 53 33.-	1.5	1.43	4	9500	85.4	49.7	324.1
	-I Z SL	-	04 53 54.-	1.5	1.43	4				

APR 12 ERL
H= 05 03 18.8
LAT = 41.6 N
LONG= 142.0 E
DEPTH= 73 KM
MAGNITUDE= 5.4
HOKKAIDO, JAPAN REGION

GRF	+I Z BE	P	05 15 19.2	0.8	1.70	9	8820	79.4	35.3	330.0
	E Z BE	PP	05 18 17.6			2				
FUR	+I Z SL	-	05 15 28.-	1.5	1.49	8	8960	80.6	35.2	329.1
	-E Z SL	PCP	05 15 35.-	1.0	1.88	4				
	+I Z SL	APCP	05 15 52.-	2.0	1.94	2				
	-E Z SL	XPCP	05 16 07.-	1.8	1.85	4				
STU	E Z BE	P	05 15 26.0	1.0	1.77	2	8990	80.9	33.9	330.6
BUH	E Z GT	P	05 15 28.7				9040	81.3	33.2	331.0

APR 12 ERL
H= 08 31 07.8
LAT = 36.4 N
LONG= 70.8 E
DEPTH=189 KM
MAGNITUDE= 4.9
HINDU KUSH REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	08 39 02.4			1	4940	44.4	84.0	306.8
	E Z BE	AP	08 39 44.3			2				

APR 12 ERL
H= 12 03 58.9
LAT = 7.6 N
LONG= 95.1 E
DEPTH=229 KM
MAGNITUDE= 4.7
NICOBAR ISLANDS REGION

GRF	E Z BE	P	12 15 45.9			1	8930	80.3	89.8	319.1
	E Z BE	AP	12 16 38.4			1				

APR 12 ERL
H= 12 17 15.0
LAT = 50.0 N
LONG= 156.0 E
DEPTH= 55 KM
MAGNITUDE= 5.2
KURIL ISLANDS

GRF	+E Z BE	P	12 28 59.6			2	8480	76.2	22.5	337.3

APR 12
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	I Z FS	PG	12 34 08.3							
	E Z FS	SG	12 34 14.3							

APR 12 ERL
H= 13 49 15.8
LAT = 50.9 N
LONG= 157.4 E
DEPTH= 52 KM
MAGNITUDE= 6.1
KURIL ISLANDS

HLG	+I Z SL	P	14 00 38.0			9	8030	72.2	19.7	341.8
HAM	+I Z SX	P	14 00 39.-			7	8060	72.5	20.9	340.3
BRN	+E Z ET	P	14 00 40.-			7	8090	72.7	22.8	338.0
	+E E ET	SCS	14 10 41.-			2				
HOF	+I Z SL	P	14 00 52.-	2.0	3.35	9	8340	75.0	21.8	338.0
	+I Z SL	-	14 01 03.-	1.5	2.54	9				
	+I Z SL	PCP	14 01 06.-	2.0	2.76	4				
	+I Z SL	XP	14 01 10.-	1.5	2.57	9				
	-I Z SL	XPCP	14 01 25.-	2.0	2.68	9				
	Z SL	RM	14 39 40.-	17.0	4.67					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	P	14 00 55.5	1.5	2.64		8390	75.4	18.9	341.1
	+I Z SL	-	14 00 56.-							
	E Z SL	PP	14 03 36.-							
	I Z SL	S	14 10 30.-							
	E Z SL	SS	14 15 42.-							
	E Z SL	LR	14 25 50.-	48.0						
	Z SL	-	14 37 40.-	21.0						
GRF	+I Z BE	P	14 00 57.4	1.5	3.09	9	8420	75.7	21.3	338.1
	E Z BE	AP	14 01 20.6			2				
	E Z BE	-	14 01 37.2			3				
TNS	2 Z SL	P	14 00 59.-			3	8430	75.9	19.7	340.0
	E E SL	S	14 10 38.-			2				
KRL	+I Z WH	P	14 01 05.3	2.0		9	8560	77.0	19.5	339.7
STU	+I Z BE	P	14 01 04.8	1.4	2.88	6	8570	77.1	20.0	339.1
FUR	+I Z SL	P	14 01 06.-	1.5	2.72	9	8580	77.1	21.2	337.5
	-I Z SL	XP	14 01 18.-	1.9	2.70	2				
	-I Z SL	APCP	14 01 23.-	1.9	2.59	7				
	-I Z SL	XPCP	14 01 30.-	1.9	2.93	3				
	+I Z SL	PP	14 03 56.-	2.0	2.53	6				
	N SL	PM	14 41 00.-	16.0	4.48					
BUH	+I Z GT	P	14 01 06.3				8600	77.4	19.4	339.7

APP 12
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	15 20 11.4	2

APP 12
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	18 04 47.4	

APR 13
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	01 26 57.7	2

APR 13 ERL
H= 08 12 15.4
LAT = 39.1 N
LONG= 17.0 E
DEPTH= 45 KM
MAGNITUDE= 4.7
SOUTHERN ITALY

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 13 BCS
H= 08 12 16.0
LAT = 38.9 N
LONG= 17.0 E
DEPTH= 40 KM
SOUTHERN ITALY

A = 0744376
B = 0725363
C = 1.6279631

7981 km

NOS= FELT (VI) AT CATANZARO.

FUR	+E Z SL	P	08 14 41.-	1.5	1.43	7	1110	10.0	153.5	337.5
	+E Z SL	PP	08 14 50.-	1.5	1.43	7				
	+I Z SL	-	08 15 11.-	1.5	1.43	7				
	-I Z SL	-	08 16 19.-	1.5	1.54	2				
	-I Z SL	SSS	08 16 57.-	1.7	1.95	4				
	+I Z SL	-	08 17 06.-	1.5	1.76	2				
	Z SL	RM	08 18 56.-	2.6	2.84					
GRF	E Z BE	P	08 14 53.8			1	1260	11.4	156.7	340.8
	E N BE	S	08 16 00.-			2				
BUH	E Z GT	P	08 14 59.0				1270	11.5	143.5	329.6
HOF	Z SL	RM	08 20 20.-	10.0	3.48		1310	11.8	160.3	343.9

APR 13
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	10 28 24.4	1.4	1.85

APR 13 ERL
H= 14 13 56.9
LAT = 11.9 N
LONG= 43.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
ETHIOPIA

GRF	E Z BE	P	14 22 21.2			2	5140	46.2	133.1	331.0
	E Z BE	PCP	14 24 00.-			1				
BUH	E Z GT	P	14 22 24.6				5230	47.0	128.3	328.2

APR 13 ERL
H= 19 16 24.4
LAT = 54.0 N
LONG= 161.7 E
DEPTH= 50 KM
MAGNITUDE= 5.1
NEAR EAST COAST OF KAMCHATKA

GRF	+E Z BE	P	19 27 55.8			3	8200	73.8	17.6	340.6
	-I Z BE	PCP	19 28 07.9			5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	P	19 28 03.-	1.5	1.28	3	8360	75.2	17.5	340.0
	+E Z SL	PCP	19 28 17.-	2.0	1.94	1				
BUH	E Z GT	P	19 28 05.3				8370	75.3	15.8	342.2

APR 13 ERL
H= 19 54 14.8
LAT = 13.9 S
LONG= 179.8 E
DEPTH=665 KM (GEOPHYSICIST)
MAGNITUDE= 5.0
SOUTH OF FIJI ISLANDS

BNS	-I Z FS	PKP	20 12 49.5	1.3	1.85		16510	148.4	13.4	351.0
GRF	E Z BE	PKP	20 12 43.6			1	16560	148.9	21.2	345.6
	-I Z BE	-	20 12 50.9			4				
	+E Z BE	-	20 12 58.0			3				
	E Z BE	APKP	20 15 24.2			2				
FUR	-I Z SL	PKP1	20 12 54.-	1.3	1.89	9	16710	150.3	22.3	344.4
	-I Z SL	PKHKP	20 13 04.-	1.9	1.95	4				
BUH	E Z GT	PKP	20 12 47.5				16730	150.5	16.3	348.6

APR 13
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	23 28 03.5							

APR 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 10 48.6			2				
	E Z BE	-	02 10 53.7			3				

APR 14 ERL
H= 03 10 30.5
LAT = 34.5 N
LONG= 24.2 E
DEPTH= 37 KM
MAGNITUDE= 4.3
CRETE

APR 14 BCS
H= 03 10 34.0
LAT = 34.6 N
LONG= 24.5 E
DEPTH= 50 KM
CRETE

FUR	+I Z SL	P	03 14 26.-	1.3	1.73	7	1860	16.7	140.0	328.6
	+I Z SL	PP	03 14 39.-	1.0	1.98	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+E Z SL	-	03 14 54.-	1.5	1.36	1				
GRF	E Z BE	P	03 14 39.2			1	2000	18.0	142.9	331.7
BUH	E Z GT	P	03 14 45.8				2060	18.5	134.1	324.8

APP 14 ERL
H= 08 34 00.1
LAT = 10.7 N
LONG= 84.8 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.7
COSTA RICA

NOS= 26 KILLED IN TILARAN, ARENAL AND RIO CHIQUITO AREAS, 100 REPORTED INJURED.

HLG	-E Z SL	P	08 46 24.-			2	9230	83.0	278.4	36.3
BNS	-E Z SL	P	08 46 24.-	6.0			9230	83.0	278.2	39.5
	+E Z FS	-	08 46 25.0	2.1	2.23					
	E Z SL	S	08 56 36.-							
	E Z SL	SS	09 02 12.-							
	E Z SL	LR	09 12 10.-	34.0						
	Z SL	-	09 19 00.-	20.0						
TNS	Z B	P	08 46 25.3			2	9330	83.9	279.3	40.2
BUH	E Z GT	P	08 46 27.1				9340	84.0	279.3	41.7
KRL	+E Z WH	P	08 46 36.-	3.0		4	9350	84.1	279.4	41.4
HAM	E Z SX	P	08 46 33.-			2	9370	84.3	280.1	36.8
STU	E Z BE	P	08 46 33.0	2.0	2.55	2	9410	84.7	280.0	41.5
	-E N SL	S	08 57 00.0	20.0	3.39	5				
GRF	-E Z BE	P	08 46 40.1			2	9540	85.8	281.4	40.4
HOF	+E Z SL	P	08 46 43.-	2.0	2.41	8	9570	86.1	281.9	39.7
	+I Z SL	-	08 46 48.-	3.6	2.99	9				
	+I Z SL	XP	08 46 56.-	3.0	2.42	5				
	Z SL	RM	09 21 00.-	20.0	4.90					
FUR	-E Z SL	P	08 46 42.-	2.0	2.10	3	9580	86.1	281.6	41.9
	+I Z SL	PCP	08 46 43.-	2.0	2.10	2				
	-I Z SL	APCP	08 46 50.-	2.0	2.21	9				
	+I Z SL	XP	08 46 52.-	2.0	2.24	9				
	-I Z SL	-	08 52 04.-	2.6	2.54	3				
	N SL	OM	09 13 30.-	24.0	4.91					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
APR 14 EPL H= 08 54 29.2 LAT = 10.7 N LONG= 84.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 COSTA RICA										
GRF	E Z BE	P	09 07 11.6			2	9540	85.8	281.4	40.4
APR 14 ERL H= 16 17 42.1 LAT = 6.6 N LONG= 124.1 E DEPTH= 23 KM MAGNITUDE= 5.4 MINDANAO, PHILIPPINE ISLANDS										
GRF	E Z BE	PP	16 35 33.8			2	11050	99.4	68.1	322.7
APR 14 ERL H= 19 49 45.7 LAT = 41.8 N LONG= 77.5 E DEPTH= 47 KM MAGNITUDE= 4.7 KIRGIZ-SINKIANG BORDER REGION										
NOS= TWO SHOCKS, THE SECOND SHOCK SIX SECONDS LATER.										
GRF	E Z BE	P	19 58 03.8			2	5070	45.6	73.5	303.6
	E Z BE	-	19 58 49.3			3				
APR 14 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	21 31 22.3							
GRF	E Z JM	PN	21 31 30.3							
	E Z JM	PG	21 31 44.7			1				
	E N BE	SG	21 32 23.5			1 2				
FUR	-E Z SL	-	21 31 44.-	1.5	1.18	4				
APR 14 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	22 53 09.9							
APR 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	03 57 35.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
APR 15 ERL H= 06 10 50.9 LAT = 20.6 S LONG= 178.8 W DEPTH=610 KM MAGNITUDE= 5.5 FIJI ISLANDS REGION										
HAM	E Z SX	PKP	06 29 23.-			2	16290	146.5	15.0	350.5
	E Z SX	-	06 29 26.-			8				
HOF	-I Z SL	PKP1	06 29 27.-	1.5	2.99	9	16590	149.2	13.8	346.6
	+I Z SL	PKHKP	06 29 40.-	1.5	2.24	7				
BNS	E Z FS	PKP	06 29 27.0				16610	149.3	11.1	352.5
	-I Z FS	-	06 29 32.3	1.4	2.48					
	E Z FS	APKP	06 31 53.5							
TNS	I Z B	PKP	06 29 35.3			9	16670	149.9	13.7	350.7
	I Z B	-	06 29 43.3			9				
GRF	E Z BE	PKP	06 29 28.9			4	16670	149.9	13.0	346.9
	+I Z BE	-	06 29 34.4			6				
	+I Z BE	-	06 29 43.4			9				
STU	+E Z BE	PKP	06 29 30.7	1.5	2.25	5	16810	151.2	15.7	349.0
	E Z BE	-	06 29 36.8	0.7	2.37	2				
	E Z BE	-	06 29 48.0	1.0	2.24	2				
FUR	+I Z SL	PKP1	06 29 30.-	1.8	2.18	4	16830	151.3	20.0	345.8
	+I N SL	PKP2	06 29 50.-	1.5	1.84	9				
	+E Z SL	-	06 32 12.-	1.8	2.11	7				
	-I Z SL	PP	06 33 23.-	2.0	2.05	2				
BUH	E Z GT	PKP	06 29 30.0				16840	151.4	13.9	350.2
	I Z GT	PKP	06 29 37.7							
	I Z GT	PKP	06 29 49.0							
APR 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	21 32 16.3							
APR 16 ERL H= 00 05 43.1 LAT = 34.8 N LONG= 25.0 E DEPTH= 43 KM MAGNITUDE= 4.6 CRETE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
APP 16 BCS										
H= 00 05 45.0										
LAT = 34.7 N										
LONG= 25.0 E										
DEPTH= 55 KM										
CRETE										
FUR	-I Z SL	P	00 09 38.-	1.2	2.04	6	1870	16.8	137.4	326.5
	+I Z SL	-	00 09 42.-	1.3	2.03	2				
	-I Z SL	AP	00 09 46.-	1.3	1.96	2				
	-I Z SL	PP	00 09 53.-	2.0	2.24	4				
	-I Z SL	XPP	00 10 04.-	1.5	1.43	1				
	+I Z SL	-	00 10 03.-	1.8	2.00	2				
	+I Z SL	-	00 10 16.-	1.5	1.59	9				
	N SL	RM	00 17 20.-	12.0	3.34					
GRF	E Z BE	P	00 09 43.6	1.1	1.80	2	2000	18.0	140.4	329.8
	+I Z BE	-	00 09 52.4			6				
BUH	E Z GT	P	00 09 58.9				2070	18.6	131.8	323.1
TNS	Z B	P	00 10 11.1			2	2180	19.6	135.5	326.8
	Z B	PP	00 10 31.8			3				
BNS	E Z FS	P	00 10 21.0	1.5	1.60		2300	20.7	134.4	326.6
	Z SL	-	00 13 40.-	12.0						
APP 16										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	06 04 21.0			1				
	E N BE	SG	06 04 50.6			2				
APR 16										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	06 55 09.5							
APR 16										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	+I Z SL	-	11 00 55.-	1.3	1.66	6				
APP 16										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	+I Z SL	-	11 09 23.-	1.1	1.93	1				
	Z SL	MAXIMUM	11 09 48.-	1.3	2.14					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
GRF	E Z BE	PG	11 09 48.8			1				
	E N BE	SG	11 10 16.7			2				
APR 16										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	12 37 51.0							
	E Z FS	SG	12 37 58.2							
	E Z FS	-	12 38 08.5	1.2	1.78					
APR 16										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	12 52 57.9							
APR 16										
NO DETERMINATION OF EPICENTER										
FUR	-E Z SL	-	13 18 14.-	2.0	1.70	4				
APR 16										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	P	14 02 19.5	1.5	1.60					
APR 16 ERL										
H= 14 48 02.8										
LAT = 51.1 N										
LONG= 178.8 W										
DEPTH= 54 KM										
MAGNITUDE= 5.5										
ANDREANOF ISLANDS, ALEUTIAN IS.										
BNS	I Z FS	P	14 59 57.4	1.4	1.90		8690	78.2	3.9	356.1
GRF	+E Z BE	P	15 00 03.8	1.0	2.04	6	8810	79.2	6.4	353.4
STU	+E Z BE	P	15 00 09.0	0.8	1.71	2	8920	80.3	5.1	354.6
BUH	E Z GT	P	15 00 09.5				8940	80.4	4.5	355.3
FUR	+I Z SL	P	15 00 11.-	1.8	2.15	9	8980	80.7	6.4	353.2
	+E Z SL	XP	15 00 24.-	1.8	1.70	1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 16 ERL H= 20 23 33.5 LAT = 35.6 N LONG= 140.7 E DEPTH= 52 KM MAGNITUDE= 4.3 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	20 36 05.9			2	9340	84.0	39.2	329.7
APR 17 ERL H= 03 37 43.1 LAT = 33.3 N LONG= 68.1 E DEPTH= 40 KM MAGNITUDE= 5.1 AFGHANISTAN NOS= FELT IN OASHTI NAWOR AND GHAZNI.										
GPF	+I Z BE	P	03 45 58.4	1.0	1.48	5	4950	44.5	89.4	309.1
APR 17 NO DETERMINATION OF EPICENTER										
GPF	E Z BE	PG	10 44 39.2			1				
	E N BE	SG	10 45 07.9			2				
APR 17 ERL H= 12 34 26.5 LAT = 4.4 S LONG= 134.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.7 WEST NEW GUINEA REGION										
HOF	+E Z SL	PP	12 54 06.-	3.0	2.90	9	12620	113.5	67.0	323.7
	Z SL	RM	13 48 30.-	18.0	4.34					
GRF	E Z BE	PKP	12 53 11.7							
	E Z BE	PP	12 54 00.-			2	12690	114.2	66.7	323.3
	E Z BE	-	12 55 48.0			2 3				
FUR	+I Z SL	PKP1	12 53 09.-	1.4	1.52	1	12760	114.7	67.4	321.7
	+I Z SL	-	12 53 16.-	1.7	2.21	3				
	-I Z SL	XPKP	12 53 23.-	1.5	1.73	2				
	+I Z SL	PP	12 54 14.-	1.8	2.53	2				
	-I Z SL	APP	12 54 22.-	1.5	1.93	3				
	-I Z SL	XPP	12 54 27.-	2.0	2.27	3				
	Z SL	RM	13 52 30.-	20.0	4.10	3				
BNS	E Z FS	PP	12 54 23.0	2.0	2.26					
	+E Z SL	-	12 54 23.-	8.0			12890	116.0	62.5	325.8
	E Z SL	SP	13 04 10.-							
	E Z SL	LR	13 30 50.-	45.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	Z SL	-	13 45 40.-	20.0						
BUH	E Z GT	PKP	12 53 12.0				12940	116.4	64.5	323.1
APR 17 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	14 16 52.8							
APR 17 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 16 08.5							
APR 17 ERL H= 22 09 49.1 LAT = 50.8 N LONG= 157.5 E DEPTH= 41 KM MAGNITUDE= 5.6 KURIL ISLANDS										
HOF	+I Z SL	P	22 21 28.-	1.5	2.57	9	8350	75.1	21.7	338.0
	Z SL	PM	22 58 20.-	20.0	3.90					
BNS	+I Z FS	P	22 21 30.2	1.9	2.18		8400	75.5	18.9	341.2
	+I Z SL	-	22 21 31.-							
	E Z SL	S	22 31 02.-							
	E Z SL	LR	22 46 40.-	54.0						
	Z SL	-	22 53 00.-	26.0						
GRF	+E Z BE	P	22 21 32.4	1.2	2.37	9	8430	75.8	21.3	338.2
	E Z BE	-	22 21 48.7			3				
	-E Z BE	-	22 21 55.1			4				
	E Z BE	PCP	22 22 03.4			2				
	E Z BE	-	22 22 08.1			3				
	-I Z BE	-	22 22 16.6			4				
	+E Z BE	-	22 22 47.0			4				
TNS	Z B	P	22 21 34.2			4	8450	76.0	19.6	340.1
STU	+E Z BE	P	22 21 39.0	1.2	2.22	3	8580	77.2	20.0	339.1
FUR	+I Z SL	P	22 21 40.-	1.5	2.19	9	8590	77.2	21.2	337.6
	-I Z SL	-	22 21 45.-	1.5	1.84	3				
	+I Z SL	XP	22 21 52.-	1.0	2.28	2				
	-I Z SL	APCP	22 21 59.-	1.9	2.28	2				
	+I Z SL	XPCP	22 22 05.-	1.9	2.22	3				
	+I Z SL	PP	22 24 40.-	2.0	2.00	4				
	Z SL	RM	23 01 40.-	17.0	3.56					
BUH	+I Z GT	P	22 21 41.3				8610	77.5	19.4	339.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
APR 18 ERL H= 01 03 13.4 LAT = 18.3 S LONG= 175.6 W DEPTH=230 KM MAGNITUDE= 4.3 TONGA ISLANDS										
GRF	-E Z BE	PKP	01 22 26.7			4	16480	148.2	12.3	351.6
FUR	+I Z SL	PKP1	01 22 30.-	1.9	1.83	3	16640	149.7	13.0	350.9
	+E Z SL	APKP	01 23 45.-	1.5	1.43	7				
APR 18 ERL H= 03 09 23.3 LAT = 4.0 N LONG= 31.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 CENTRAL MID-ATLANTIC RIDGE										
FUR	-E Z SL	P	03 19 09.-	1.5	1.28	5	6360	57.2	233.7	32.7
GRF	E Z BE	P	03 19 15.8			2	6460	58.1	232.9	31.3
APR 18 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	05 19 43.4			2				
	E N BE	SG	05 20 02.6			2				
APR 18 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	11 45 28.1							
APR 18 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	13 28 06.5							
APR 18 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	P	14 38 18.-	1.3	1.84	3				
APR 18 NO DETERMINATION OF EPICENTER										
FUR	-E Z SL	-	16 20 11.-	1.5	1.28	2				
	-I Z SL	-	16 23 40.-	1.5	1.43	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
APR 18 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 16 49.0							
APR 18 ERL H= 18 12 13.5 LAT = 18.6 S LONG= 178.0 W DEPTH=617 KM MAGNITUDE= 4.5 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	18 30 53.4			2	16470	148.1	16.6	348.7
APR 19 ERL H= 01 32 24.4 LAT = 20.2 S LONG= 168.8 E DEPTH= 36 KM MAGNITUDE= 5.2 LOYALTY ISLANDS										
GRF	-I Z BE	PKP	01 52 01.2	1.2	2.02	4	16190	145.6	39.3	334.0
BNS	I Z FS	PKP	01 52 01.5	1.2	1.85		16240	146.1	32.0	339.1
	E Z FS	-	01 52 10.5							
BUH	-I Z GT	PKP	01 52 06.2				16410	147.6	35.6	335.7
APR 19 ERL H= 03 17 17.5 LAT = 21.3 S LONG= 178.7 W DEPTH=561 KM MAGNITUDE= 4.3 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	03 36 06.6			2	16740	150.5	19.1	346.8
APR 19 ERL H= 04 32 57.6 LAT = 50.0 N LONG= 77.7 E DEPTH= 0 KM (GEOPHYSICIST) MAGNITUDE= 5.4 EASTERN KAZAKH SSR										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
APR 19 BCS										
H= 04 33 00.0										
LAT = 50.2 N										
LONG= 78.2 E										
DEPTH= 0 KM (GEOPHYSICIST)										
EASTERN KAZAKH SSR										
BCIS= PROBABLY ARTIFICIAL.										
GRF	+E Z BE	P	04 40 49.3	0.8	1.48	3	4620	41.6	63.1	296.2
	E Z BE	PP	04 42 22.0			1				
BUH	+I Z GT	P	04 41 06.4				4870	43.8	60.8	296.2
APR 19 ERL										
H= 06 21 04.9										
LAT = 22.3 S										
LONG= 170.3 E										
DEPTH= 41 KM										
MAGNITUDE= 4.9										
LOYALTY ISLANDS REGION										
HOF	-I Z SL	PKP1	06 40 49.-	3.0	3.02	9	16380	147.3	39.1	334.1
	+E Z SL	-	06 41 21.-	2.0	2.35	7				
	-E 7 SL	-	06 41 40.-	3.0	2.50	6				
GRF	E Z BE	PKP	06 40 48.3			2	16470	148.1	38.7	334.0
BNS	E Z FS	PKP	06 40 49.5	2.0	2.00		16520	148.5	31.0	339.4
APR 19										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	06 42 33.5							
APR 19										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	07 03 19.7			1				
APR 19										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	08 30 22.0							
	E Z FS	SG	08 30 28.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
APR 19 ERL										
H= 11 26 36.9										
LAT = 18.3 S										
LONG= 169.4 E										
DEPTH=301 KM										
MAGNITUDE= 4.7										
NEW HEBRIDES ISLANDS										
FUR	-I Z SL	APKP	11 46 52.-	1.5	1.49	8	16160	145.3	38.4	334.0
	-I Z SL	-	11 47 32.-	1.5	1.36	1				
BUH	E Z GT	P	11 46 53.9				16250	146.1	33.3	337.5
APR 19										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-E Z SL	-	14 45 28.-	1.6	1.40	5				
	Z SL	MAXIMUM	14 46 00.-	1.8	2.00					
APR 19										
NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	16 01 48.1							
APR 19 ERL										
H= 17 41 37.2										
LAT = 43.5 N										
LONG= 12.5 E										
DEPTH= 4 KM										
MAGNITUDE= 4.4										
CENTRAL ITALY										
APR 19 BCS										
H= 17 41 40.0										
LAT = 43.5 N										
LONG= 12.4 E										
CENTRAL ITALY										
BCIS= FELT VI- VII AT PIETRALUNGA, V AT CITTA DI CASTELLO, GUBBIO, SAN GIUSTINO, III AT ANCONA, PERUGIA AND PESARO (ROM).										
FUR	+E Z SL	PN	17 42 53.-	1.5	1.73	4	530	4.8	169.5	350.4
	-I Z SL	PB	17 43 04.-	1.5	1.59	9				
	+I Z SL	PG	17 43 26.-	1.8	2.30	2				
	+I Z SL	SN	17 43 49.-	1.5	2.15	2				
	-I Z SL	SB	17 43 56.-	1.5	2.06	3				
	+I Z SL	SG	17 44 18.-	1.3	2.27	2				
	Z SL	MAXIMUM	17 45 20.-	1.5	2.46					
STU	E Z BE	PN	17 43 06.3	1.5	1.80	1	640	5.8	155.6	337.9
BUH	E Z GT	PN	17 43 08.9				670	6.0	148.9	332.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
KRL	+E Z ST	-	17 44 32.0	1.2		3	690	6.2	151.6	334.5
GRF	E Z BE	PN	17 43 11.4			2	700	6.3	171.7	352.6
	E Z BE	PG	17 43 37.7			4				
	E N BE	S	17 44 15.-			1				
HOF	+E Z SL	SN	17 44 40.-	1.5	1.99	4	760	6.9	176.4	356.8
	-I Z SL	SG	17 45 23.-	1.5	2.17	6				
	Z SL	MAXIMUM	17 45 52.-	2.0	2.81					
BNS	E Z FS	PN	17 43 42.7				920	8.3	152.3	336.2
	E Z FS	SN	17 45 16.-							
	E Z FS	SG	17 46 46.5							

APR 19 ERL
H= 22 13 53.3
LAT = 38.2 N
LONG= 26.8 E
DEPTH= 13 KM
MAGNITUDE= 4.5
AEGEAN SEA

APR 19 BCS
H= 22 13 57.0
LAT = 38.2 N
LONG= 27.1 E
TURKEY

NOS= FELT IN IZMIR AREA.

GRF	E Z BE	P	22 17 43.0			2	1780	16.0	129.8	320.7

APR 19 ERL
H= 23 04 34.5
LAT = 28.2 N
LONG= 53.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
SOUTHERN IRAN

GRF	E Z BE	P	23 11 57.2			2	4290	38.6	107.8	315.5

APR 20 ERL
H= 00 33 10.1
LAT = 14.8 S
LONG= 173.1 W
DEPTH= 49 KM
MAGNITUDE= 5.3
SAMOA ISLANDS REGION

BNS	+I Z FS	PKP	00 52 40.0	1.2	1.70		16010	144.0	0.5	359.7
GRF	E Z BE	PKP	00 52 43.2	1.2	2.09	2	16130	145.1	7.4	355.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
STU	E Z BE	PKP	00 52 46.0	1.5	2.30	2	16250	146.1	4.0	357.2
BUH	-I Z GT	PKP	00 52 47.0				16260	146.2	2.4	358.4
FUR	-I Z SL	PKP1	00 52 49.-	2.2	2.57	3	16300	146.6	7.8	354.6
	+I Z SL	XPKP	00 53 02.-	2.0	2.40	2				

APR 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	09 58 43.3							

APR 20 BCS
H= 12 24 21.0
LAT = 49.4 N
LONG= 6.0 E
DEPTH= 0 KM
FRANCE

APR 20 ERL
H= 12 24 21.0
LAT = 49.4 N
LONG= 6.0 E
DEPTH= 0 KM
MAGNITUDE= 4.3
GERMANY

BCIS= ROCKBURST IN THE MINE OF ROCHONVILLERS, MOSELLE, FRANCE. THICKNESS OF COVERAGE 180 M. SURFACE FISSURES. NO DAMAGES.

KRL	-E Z WH	PG	12 24 52.0			3	180	1.6	285.5	103.7
	-I Z ST	SG	12 25 16.0	2.0		3				
BUH	-E Z GT	PN	12 24 50.3				180	1.6	298.0	116.4
BNS	I Z FS	PG	12 24 53.2				190	1.7	205.8	24.3
	E E X	SG	12 25 16.0	1.5	3.14					
	I N X	-	12 25 19.0	1.3	3.30					
	I Z FS	-	12 25 19.0	1.4	3.00					
	E Z SL		12 25 32.-	5.0						
	E Z FS	-	12 25 55.-	1.9	3.13					
TNS	I Z SL	PN	12 24 54.2			2	200	1.8	243.6	61.8
	I N SL	SN	12 25 22.0			4				
STU	E Z BE	PN	12 24 57.5	1.0	1.79	2	240	2.2	288.5	106.1
BOC	-I E B4	PN	12 24 27.0	1.0	2.30	2	250	2.2	200.4	19.5
	E B4	MAXIMUM	12 24 44.5	1.5	3.25					
GRF	E Z BE	PN	12 25 22.3			1	380	3.4	267.3	83.4
	-E Z BE	PG	12 25 28.6			4				
	E N BE	SG	12 26 10.6			2				
FUR	-I Z SL	PN	12 25 21.-	1.5	1.59	2	410	3.7	291.8	107.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	PG	12 25 50.-	1.7	2.06	5				
	+I Z SL	SN	12 26 09.-	1.5	1.81	2				
	+I Z SL	SB	12 26 21.-	1.5	1.70	2				
	-I Z SL	SG	12 26 39.-	1.6	2.03	4				
	Z SL	MAXIMUM	12 27 25.-	1.8	2.72					
HOF	-I Z SL	SG	12 26 30.-	2.0	2.68	8	430	3.9	258.9	74.4
	-I Z SL	-	12 26 49.-	2.0	2.51	9				

APR 20
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PN	12 30 45.0			1				
	E Z BE	PG	12 30 47.9			3				
	E N BE	SG	12 31 17.8			2				

APR 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	16 46 11.0							
GRF	E Z BE	PN	16 46 23.3			1				
	E Z BE	-	16 46 41.3			2				
	E N BE	S	16 47 27.6			2				
FUR	-I Z SL	-	16 47 18.-	1.6	1.40	1				

APR 20 BCS
H= 20 51 04.0
LAT = 46.2 N
LONG= 2.2 W
BAY OF BISCAY

BNS	E Z FS	P	20 55 07.-				870	7.8	236.1	49.1
	E Z FS	-	20 55 28.5							

APR 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	20 54 21.0							

APR 20
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	22 20 08.4			1				
	E N BE	S	22 21 08.7			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 21 ERL
H= 05 09 48.6
LAT = 33.2 S
LONG= 179.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
SOUTH OF KERMADEC ISLANDS

GRF	E Z BE	PKP2	05 30 31.4			2	17990	161.8	28.9	338.0

APR 21
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	07 39 11.7							

APR 21 ERL
H= 14 10 19.1
LAT = 33.3 S
LONG= 179.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTH OF KERMADEC ISLANDS

GRF	E Z BE	PKP1	14 30 28.5			2	18000	161.9	29.0	337.9
	E Z BE	PKP2	14 31 05.5			2				
FUR	+E Z SL	PKP1	14 30 17.-	1.5	1.28	5	18150	163.2	31.6	335.3
	+E Z SL	XPKP	14 31 22.-	2.0	1.94	4				

APR 21 ERL
H= 19 26 45.2
LAT = 32.8 S
LONG= 108.8 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
EASTER ISLAND CORDILLERA

GRF	E Z BE	PKP	19 45 13.5			1	14800	133.1	267.6	50.4

APR 21 ERL
H= 22 12 12.4
LAT = 55.1 N
LONG= 161.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	22 23 40.0			4	8090	72.7	17.1	340.5

APR 22
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	04 22 08.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 22 ERL H= 05 46 20.9 LAT = 27.7 N LONG= 104.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 YUNNAN PROVINCE,CHINA										
GRF	E Z BE	P	05 57 38.8			2	7910	71.2	69.4	316.7
FUR	-I Z SL	P	05 57 42.-	1.5	1.18	4	7970	71.7	68.9	315.2
	+I Z SL	AP	05 57 52.-	1.8	1.85	1				
	-E Z SL	PCP	05 58 02.-	2.0	1.80	2				
	+E Z SL	APCP	05 58 09.-	1.5	1.28	5				
	-I Z SL	XPCP	05 58 14.-	1.5	1.28	3				
APR 22 ERL H= 08 50 42.3 LAT = 15.7 S LONG= 174.0 W DEPTH= 54 KM MAGNITUDE= 4.6 TONGA ISLANDS										
GRF	E Z BE	PKP	09 10 17.6			3	16220	145.9	9.0	354.0
APR 22 ERL H= 13 39 46.1 LAT = 35.2 N LONG= 23.4 E DEPTH= 56 KM MAGNITUDE= 4.5 CRETE										
APR 22 BCS H= 13 39 47.0 LAT = 35.0 N LONG= 23.5 E DEPTH= 50 KM CRETE										
FUR	+E Z SL	P	13 43 30.-	1.3	2.14	9	1760	15.8	140.8	328.9
	+I Z SL	PP	13 43 42.-	1.2	2.08	4				
	-I Z SL	-	13 44 02.-	1.5	1.59	2				
GRF	+E Z BE	P	13 43 44.3	1.1	1.97	5	1890	17.0	143.9	332.1
BUH	E Z GT	P	13 43 48.7				1950	17.5	134.7	324.9
BNS	E Z FS	P	13 44 14.-	1.5	1.30		2190	19.7	137.2	328.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 22 ERL H= 21 29 57.2 LAT = 30.7 N LONG= 49.8 E DEPTH= 57 KM MAGNITUDE= 5.0 WESTERN IRAN										
APR 22 BCS H= 21 29 59.0 LAT = 30.6 N LONG= 50.0 E DEPTH= 65 KM IRAN										
FUR	-I Z SL	P	21 36 37.-	1.6	1.85	9	3790	34.0	106.6	311.3
	-E Z SL	AP	21 36 52.-	1.5	1.54	2				
GRF	+E Z BE	P	21 36 41.4	1.5	1.69	3	3840	34.5	108.6	314.4
	E Z BE	-	21 36 47.6			2				
APR 22 ERL H= 21 42 16.1 LAT = 51.1 N LONG= 179.8 W DEPTH= 54 KM MAGNITUDE= 4.8 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	21 54 16.6			2	8800	79.1	7.1	352.7
APR 23 ERL H= 02 57 00.2 LAT = 64.6 N LONG= 17.5 W DEPTH= 5 KM (GEOPHYSICIST) MAGNITUDE= 4.5 ICELAND										
GRF	E Z BE	P	03 01 49.9			1	2370	21.3	325.3	120.8
APR 23 ERL H= 13 38 34.0 LAT = 44.0 N LONG= 12.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 NORTHERN ITALY										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT. EPIC.
APR 23 BCS H= 13 38 37.0 LAT = 44.0 N LONG= 12.8 E NORTHERN ITALY BCIS= MAX. INT. VI-VII. FELT V AT PESARO, FELT AT FORLI, RIMINI, CATTOLICA, RICCIONE (RMP).									
FUR	-I Z SL	PB	13 39 55.-	1.3	2.11	2	470	4.2	165.3 346.3
	-I Z SL	PG	13 40 03.-	1.5	1.98	2			
	+I Z SL	SN	13 40 33.-	1.0	2.69	5			
	+I Z SL	SG	13 41 03.-	1.6	2.24	5			
	Z SL	MAXIMUM	13 42 00.-	1.5	2.46				
STU	E Z BE	PN	13 39 53.5	0.7	1.18	2	590	5.3	151.0 333.6
BUH	E Z GT	PN	13 39 57.0				620	5.6	144.1 327.4
GRF	E Z BE	PN	13 39 58.4			2	640	5.7	168.7 349.9
	E Z BE	-	13 40 15.7			3			
	E Z BE	-	13 40 24.6			3			
	E N BE	S	13 41 00.8			2			
HOF	+E Z SL	SG	13 42 09.-	1.5	2.03	5	700	6.3	174.1 354.8
	Z SL	MAXIMUM	13 43 30.-	10.0	3.39				
BNS	E Z FS	-	13 40 33.5				880	7.9	149.2 333.3
	E Z FS	-	13 40 58.5						
	E Z FS	-	13 42 21.-						
APR 23 EPL H= 14 11 19.1 LAT = 34.5 S LONG= 179.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 SOUTH OF KERMADEC ISLANDS									
GPF	-E Z BE	PKP1	14 31 18.0			2	18090	162.7	33.3 334.5
	E Z BE	PKP2	14 32 06.6			2			
APR 24 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PN	00 23 49.0						
GRF	E Z BE	P	00 24 17.1			2			
	E N BE	S	00 24 54.2			2			
FUR	-I Z SL	-	00 25 05.-	1.6	1.30	4			
	+I Z SL	-	00 25 21.-	1.5	1.36	1			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT. EPIC.
APR 24 NO DETERMINATION OF EPICENTER									
FUR	+E Z SL	-	04 31 48.-	1.5	1.18	4			
	-I Z SL	-	04 32 41.-	1.8	2.00	3			
GRF	E Z BE	P	04 32 17.4			2			
	E N BE	S	04 32 47.7			2			
APR 24 ERL H= 09 49 53.1 LAT = 40.6 N LONG= 143.5 E DEPTH= 32 KM MAGNITUDE= 4.9 OFF EAST COAST OF HONSHU, JAPAN									
GRF	+E Z BE	P	10 02 05.8	0.9	1.54	4	8980	80.8	34.8 330.9
FUR	-E Z SL	P	10 02 12.-	1.5	1.36	3	9120	82.0	34.7 330.0
	-E Z SL	AP	10 02 22.-	1.2	1.60	4			
APR 24 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PN	16 54 14.9						
APR 24 ERL H= 18 42 31.9 LAT = 5.2 N LONG= 75.8 W DEPTH=118 KM MAGNITUDE= 5.5 COLOMBIA									
BNS	E Z FS	P	18 54 37.3				9070	81.6	267.8 39.4
	E Z FS	-	18 55 09.0						
BUH	E Z GT	P	18 54 41.5				9140	82.2	268.9 41.7
	E Z GT	P	18 55 11.6						
GRF	E Z BE	P	18 54 51.9			2	9360	84.2	271.1 40.7
	E Z BE	AP	18 55 22.1			2			
FUR	+I Z SL	P	18 54 52.-	1.7	1.91	9	9370	84.2	271.3 42.2
	-E Z SL	APCP	18 55 22.-	2.0	1.94	7			
	+E Z SL	XP	18 55 30.-	1.5	1.28	3			
	+I Z SL	-	18 55 42.-	1.1	1.86	5			
	-I Z SL	-	18 56 14.-	2.0	2.18	2			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 24 ERL H= 19 42 57.6 LAT = 43.5 N LONG= 146.6 E DEPTH= 68 KM MAGNITUDE= 4.4 KURIL ISLANDS										
GRF	E Z BE	P	19 54 58.3			2	8830	79.4	31.4	332.3
APP 24 ERL H= 21 16 45.3 LAT = 7.3 N LONG= 82.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 SOUTH OF PANAMA										
BUH	E ? GT	P	21 29 18.6				9450	85.0	275.2	41.7
GRF	E Z BE	P	21 29 29.8			3	9650	86.8	277.4	40.5
FUR	-I Z SL	P	21 29 30.-	2.0	1.88	3	9680	87.1	277.5	42.0
	+I Z SL	PCP	21 29 32.-	2.0	2.24	2				
	-I Z SL	AP	21 29 42.-	2.0	2.00	4				
APR 24 ERL H= 21 30 09.9 LAT = 5.0 N LONG= 78.1 W DEPTH= 50 KM (GEOPHYSICIST) MAGNITUDE= 6.3 SOUTH OF PANAMA NOS= ONE KILLED AND MODERATE DAMAGE IN CENTRAL COLOMBIA. FELT AT MARACAIBO AND SAN CRISTOBAL, VENEZUELA, MAG. 6.6 (PAS), 6.5 (BRK).										
BNS	-I Z ES	P	21 42 32.3	2.3	2.95		9260	83.2	269.5	39.4
	-I Z SL	-	21 42 33.-	3.0						
	E Z SL	PP	21 45 39.-							
	E N X	S	21 52 56.-							
	E Z SL	-	21 53 07.-							
	E ? SL	SS	21 58 36.-							
	E Z SL	LR	22 09 12.-	34.0						
HLG	-I Z X	P	21 42 34.0			2	9310	83.7	269.7	36.2
	-I Z SL	-	21 43 12.0	10.0		7				
	- Z SL	PP	21 45 42.-			7				
BUH	-I Z GT	P	21 42 35.7				9330	83.9	270.6	41.7
KBL	-I Z WH	P	21 42 38.0	3.5		9	9340	84.0	270.7	41.4
	+I Z WH	PP	21 45 26.-	4.0		9				
TNS	2I ? SL	P	21 42 37.0			9	9350	84.0	270.6	40.1
	Z SL	PCP	21 42 56.0			5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	N SL	S	21 53 07.0			5				
STU	-I Z BE	P	21 42 38.0	0.7	2.45	6	9400	84.6	271.3	41.6
	+I N SL	S	21 53 06.0	12.0	4.02	4				
HAM	-I Z SX	P	21 42 42.6			9	9440	84.9	271.4	36.9
GRF	-I Z BE	P	21 42 46.2	1.0	2.18	9	9550	85.8	272.7	40.6
	+I Z BE	PCP	21 42 48.0			9				
	-I Z BE	-	21 45 46.2	1.4	2.39	6				
	E Z BE	SS	22 00 48.6			1				
	E Z BE	SKKS	22 08 42.5			2				
FUR	-I Z SL	P	21 42 47.-	1.4	3.06	9	9560	86.0	272.9	42.2
	-I Z SL	PP	21 46 06.-	2.0	2.80	3				
	-I Z SL	APP	21 46 14.-	1.8	2.65	3				
	-I Z SL	XPP	21 46 21.-	2.4	2.79	3				
	-I Z SL	PPP	21 48 03.-	1.8	2.30	1				
	+I Z SL	-	21 48 14.-	3.0	3.05	5				
	+I Z SL	-	21 48 19.-	3.0	2.09	8				
	Z SL	RM	22 29 30.-	18.0	4.27					
HOF	-I Z SL	P	21 42 49.-	4.0	4.17	9	9590	86.2	273.2	40.0
	+I Z SL	-	21 43 00.-	1.5	3.27	1				
	+I Z SL	XP	21 43 08.-	3.5	3.73	2				
	+I Z SL	-	21 43 37.-	6.0	3.95	3				
	-I Z SL	PP	21 46 09.-	5.0	3.85	9				
	-I Z SL	PPP	21 48 16.-	5.0	3.63	9				
	+I Z SL	SCS	21 53 26.-	5.0	3.46	6				
	Z SL	RM	22 26 30.-	18.0	4.67					
BRN	-I Z ET	P	21 42 52.4			9	9670	86.9	274.1	37.8
	-E Z ET	PP	21 46 17.-			2				
	+E Z ET	PPP	21 48 09.-			2				
	+E N ET	S	21 53 33.-			2				
	-E N ET	PS	21 54 31.-			2				
APR 24 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	22 08 40.-	1.3	1.36	3				
	Z SL	MAXIMUM	22 09 07.-	1.5	1.89					
APR 24 ERL H= 22 47 01.8 LAT = 4.9 N LONG= 78.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 SOUTH OF PANAMA										
BUH	E Z GT	P	22 59 29.8				9340	84.0	270.5	41.7
STU	-E Z BE	P	22 59 33.3	1.0	1.60	2	9410	84.6	271.2	41.6
GRF	E Z BE	P	22 59 41.0	1.1	1.49	3	9560	85.9	272.7	40.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+I Z SL	P	22 53 42.-	1.5	1.59	3	9570	86.1	272.8	42.1

APP 25 ERL
H= 03 16 52.3
LAT = 37.6 N
LONG= 72.1 E
DEPTH=136 KM
MAGNITUDE= 5.?
TADZHIK SSR

GRF	-I Z BE	P	03 24 52.9	1.6	2.46	5	4950	44.5	81.7	306.0
	E Z BE	-	03 26 42.8			2				
FUR	-I Z SL	P	03 24 54.-	1.6	2.19	9	4970	44.7	80.2	303.3
	-I Z SL	-	03 25 59.-	1.5	1.59	2				
	+I Z SL	-	03 26 22.-	1.8	2.00	2				
	-I Z SL	PP	03 26 37.-	2.0	2.27	9				
STU	-E Z BE	P	03 25 03.3	1.3	1.95	3	5110	46.0	79.5	305.0
BUH	-I Z GT	P	03 25 08.5				5180	46.6	78.8	305.0
BNS	-I Z FS	P	03 25 10.6	1.6	1.85		5210	46.9	80.3	308.3

APR 25 ERL
H= 04 17 16.7
LAT = 17.8 S
LONG= 172.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
TONGA ISLANDS REGION

GRF	E Z BE	PKP	04 37 04.3			2	16460	148.0	6.7	355.4
BUH	E Z GT	PKP	04 37 09.0				16590	149.2	1.4	359.0
FUR	-E Z SL	PKP1	04 37 03.-	1.7	1.69	6	16630	149.5	7.1	355.0
	+I Z SL	APKP	04 37 26.-	2.0	2.10	9				

APR 25 ERL
H= 06 40 27.7
LAT = 15.6 S
LONG= 175.8 W
DEPTH=350 KM (GEOPHYSICIST)
MAGNITUDE= 5.1
TONGA ISLANDS

BNS	+I Z FS	PKP	06 59 24.0	0.8	1.85		16090	144.7	5.0	356.7
GRF	+E Z BE	PKP	06 59 27.4	1.2	2.04	3	16180	145.5	12.0	351.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 25 ERL
H= 08 02 55.0
LAT = 17.8 S
LONG= 173.3 W
DEPTH= 78 KM
MAGNITUDE= 4.6
TONGA ISLANDS

GRF	E Z BE	PKP	08 22 32.2			1	16460	148.0	8.1	354.5

APR 25 ERL
H= 08 35 37.4
LAT = 26.8 N
LONG= 55.4 E
DEPTH= 43 KM
MAGNITUDE= 4.6
SOUTHERN IRAN

APR 25 BCS
H= 08 35 39.0
LAT = 26.8 N
LONG= 55.6 E
SOUTHERN IRAN

FUR	-E Z SL	P	08 43 13.-	1.5	1.49	2	4480	40.3	105.7	313.9
GRF	E Z BE	P	08 43 15.1			2	4530	40.8	107.4	316.1

APR 25
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PN	08 38 36.1							
GRF	E Z BE	P	08 39 16.8			1				
	E N BE	S	08 40 10.8			2				

APR 25
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	13 53 03.6							

APP 25
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	14 10 20.4							
	E E X	SG	14 10 28.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 25 ERL H= 14 21 13.2 LAT = 33.4 N LONG= 140.7 E DEPTH= 65 KM MAGNITUDE= 5.7 SOUTH OF HONSHU, JAPAN										
HOF	+E Z SL	P	14 33 45.-	1.5	2.09	5	9470	85.2	40.8	329.9
	+E Z SL	PCP	14 33 50.-	1.5	2.09	1				
GRF	E Z BE	P	14 33 47.7	1.2	2.14	3	9560	85.9	40.3	329.9
	I Z BE	-	14 33 53.7			5				
	E Z BE	PP	14 37 04.8			2				
BNS	+E Z FS	P	14 33 50.2	2.0	1.35		9630	86.6	37.4	332.7
	E Z FS	-	14 34 07.3							
FUR	-I Z SL	P	14 33 55.-	1.8	2.28	9	9680	87.1	40.3	328.8
	-I Z SL	XP	14 34 12.-	1.9	2.43	5				
	+I Z SL	-	14 34 46.-	1.5	1.62	2				
STU	E Z BE	P	14 33 56.0	1.1	1.78	2	9730	87.5	38.8	330.3
BUH	E Z GT	P	14 33 57.3				9780	88.0	38.1	330.7
APR 25 NO DETERMINATION OF EPICENTER										
FUR	-E Z SL	-	14 57 46.-	1.5	1.28	2				
	E SL	MAXIMUM	14 58 35.-	1.5	1.89					
APR 25 EPL H= 20 13 41.4 LAT = 31.7 S LONG= 179.7 E DEPTH=387 KM MAGNITUDE= 4.7 KERMADEC ISLANDS REGION										
BNS	+I Z FS	PKP	20 33 36.0	2.0	1.70		17790	159.9	18.9	346.1
GRF	E Z BE	PKP	20 33 36.9	1.0	1.91	2	17800	160.0	29.9	337.7
	E Z BE	PP	20 37 16.3			1				
FUR	+I Z SL	PKP?	20 33 44.-	1.5	1.93	9	17940	161.3	32.3	335.2
STU	E Z BE	P	20 33 43.4	1.0	1.75	3	17960	161.5	26.3	339.9
BUH	+E Z GT	PKP	20 33 44.5				17990	161.8	23.9	341.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 25 ERL H= 21 34 37.9 LAT = 59.3 S LONG= 26.1 W DEPTH= 67 KM MAGNITUDE= 6.0 SOUTH SANDWICH ISLANDS REGION										
BUH	E Z GT	PKP	21 53 03.0				12360	111.2	198.1	23.6
	E Z GT	PKP	21 53 43.9							
FUR	-E Z SL	PKP1	21 53 06.-	1.3	1.49	4	12380	111.4	199.6	25.9
	+I Z SL	PP	21 53 42.-	1.8	1.85	1				
	+I Z SL	XPP	21 54 07.-	1.5	1.59	3				
	+I Z SL	PPP	21 56 06.-	2.0	2.05	9				
	Z SL	QM	22 31 00.-	28.0	3.80					
GRF	E Z BE	P	21 49 21.5			2	12540	112.8	199.7	25.3
	E Z BE	PKP	21 53 04.5			2				
	E Z BE	PKKP	22 03 56.2			1				
BNS	E Z FS	PP	21 53 52.-				12580	113.2	197.8	22.2
	+E Z SL	SP	22 03 28.-							
	E Z SL	LR	22 29 00.-	34.0						
HOF	+E Z SL	XPKP	21 53 39.-	2.0	2.11	4	12620	113.5	200.2	25.5
	+E Z SL	PP	21 54 04.-	4.0	2.57	5				
	-E Z SL	SP	22 03 37.-	10.0	3.01	5				
	+E Z SL	-	22 04 39.-	10.0	3.31	9				
	Z SL	QM	22 35 00.-	23.0	3.98					
APR 25 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	22 04 02.-	1.6	1.18	3				
	-E Z SL	-	22 04 22.-	1.3	1.59	5				
	-I Z SL	-	22 04 31.-	1.5	1.43	2				
APR 26 BCS H= 00 37 14.5 LAT = 48.3 N LONG= 6.6 E FRANCE										
BUH	+I Z GT	PN	00 37 34.8				130	1.2	251.2	70.0
APR 26 ERL H= 07 42 59.5 LAT = 5.1 N LONG= 78.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 SOUTH OF PANAMA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	07 55 37.3			2	9540	85.8	272.8	40.6
FUR	+I Z SL	P	07 55 39.-	1.8	1.95	9	9550	85.9	273.0	42.2

APR 26
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	08 45 41.6							

APR 26
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	-I Z SL	-	09 55 14.-	1.6	1.30	2				

APR 26
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	10 03 04.9							
GRF	E Z BE	PG	10 03 15.5			2				
	E N BE	SG	10 03 36.7			2				

APR 26
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	11 06 21.2							

APR 26
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 10 43.8			2				
	E N BE	SG	11 11 06.3			2				

APR 26
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	12 18 09.6			1				
	E N BE	SG	12 18 34.2			2				

APR 26
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	13 22 08.3							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 26 EPL
H= 14 30 05.4
LAT = 27.1 N
LONG= 60.8 E
DEPTH= 46 KM
MAGNITUDE= 5.2
SOUTHERN IRAN

GRF	E Z BE	P	14 38 09.9			2	4890	44.0	102.1	314.6
	E Z BE	PP	14 39 55.8			2				

APR 26
NO DETERMINATION OF EPICENTER

GRF	I Z BE	PN	15 00 02.2			4				
	E Z BE	PG	15 00 05.5			4				
	E Z BE	SG	15 00 37.3			6				

APR 26 ERL
H= 17 15 00.2
LAT = 37.1 N
LONG= 116.1 W
DEPTH= 0 KM
MAGNITUDE= 5.6
SOUTHERN NEVADA

NOS= 37 DEG. 07 MIN. 23.0 SEC. N, 116 DEG. 03 MIN. 30.6 SEC, W.

BNS	+I Z FS	P	17 27 07.3	1.3	1.78		8800	79.1	317.1	32.6
BUH	+E Z GT	P	17 27 18.5				9040	81.3	318.1	33.6
GRF	E Z BE	P	17 27 21.7	0.9	1.50	3	9100	81.8	320.0	31.5
FUR	-I Z SL	P	17 27 29.-	1.5	1.86	9	9230	83.0	320.2	32.4

APR 26 ERL
H= 20 26 28.0
LAT = 19.9 N
LONG= 155.1 W
DEPTH= 50 KM
MAGNITUDE= 6.0
HAWAII

NOS= 11 PERSONS REPORTED INJURED, MORE THAN 4 MILLION DOLLARS DAMAGE
REPORTED. FELT ON ALL ISLANDS OF THE STATE. MAX. INT. VIII.

BNS	E Z FS	PP	20 45 08.5	1.7	1.70		11980	107.7	342.5	11.7
	E Z SL	-	20 45 12.-							
	E Z SL	SP	20 54 36.-							
	E Z SL	LR	21 17 39.-	44.0						
	Z SL	-	21 24 40.-	22.0						
HOF	Z SL	PM	21 41 30.-	15.0	3.64		12130	109.1	347.0	8.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	PKIKP	20 44 54.4			1	12190	109.6	346.3	9.4
	E Z BE	PKP	20 45 15.1			2				
	E Z BE	-	20 46 26.4			2				
	E Z BE	-	20 47 34.4			1				
	E Z BE	PKKP	20 56 19.0			1				
	E Z BE	SKKS	21 04 27.1			1				
FUP	+E Z SL	P	20 41 03.-	1.8	1.70	3	12360	111.1	346.3	9.7
	-E Z SL	XPKP	20 45 23.-	1.5	1.19	1				
	+I Z SL	PP	20 45 39.-	1.8	2.00	3				
	N SL	PM	21 35 20.-	18.0	3.77					

APR 26
NO DETERMINATION OF EPICENTER

FUP	-E Z SL	-	21 04 26.-	1.7	1.52	4

APR 27 BCS
H= 00 31 02.0
LAT = 38.6 N
LONG= 32.9 E
TURKEY

APR 27 ERL
H= 00 31 03.0
LAT = 38.7 N
LONG= 33.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
TURKEY

FUR	-I Z SL	P	00 35 17.-	1.7	1.76	2	2040	18.3	113.4	308.4
	-I Z SL	PP	00 35 34.-	1.9	1.83	2				
	N SL	OM	00 41 50.-	15.0	3.65					
GRF	E Z BE	P	00 35 23.7			1	2120	19.0	117.4	312.6
BUH	+E Z GT	P	00 35 39.2				2270	20.4	110.4	307.5

APR 27
NO DETERMINATION OF EPICENTER

FUP	-E Z SL	-	07 30 43.-	2.0	1.94	1
	-I Z SL	-	07 30 55.-	2.0	2.10	2
	-I Z SL	-	07 31 08.-	1.5	1.36	6

APR 27
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PN	11 07 48.2			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 27
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	11 13 40.2			4
	I Z JM	PG	11 13 41.0			9
	I N BE	SG	11 13 57.3			9

APR 27
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	11 20 56.2			4
	I Z JM	PG	11 20 57.0			9
	E N BE	SG	11 21 12.7			3

APR 27
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 30 54.4			2
	E N BE	SG	11 31 12.8			2

APR 27
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	12 05 57.9			2
	E N BE	SG	12 06 17.7			2

APR 27
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PG	12 10 08.0			3
	E E BE	SG	12 10 28.8			6

APR 27
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	13 25 09.-	1.7	1.69	2

APR 27
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	17 29 41.-	1.8	1.70	5
	-I Z SL	-	17 30 03.-	1.8	1.73	1

APR 27
NO DETERMINATION OF EPICENTER

FUR	-I Z SL	P	18 36 17.-	1.7	1.81	2
	E SL	MAXIMUM	19 24 00.-	20.0	3.03	

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 28 ERL H= 02 58 27.6 LAT = 34.3 N LONG= 26.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 CRETE										
APR 28 BCS H= 02 58 32.0 LAT = 34.2 N LONG= 26.2 E DEPTH= 55 KM CRETE										
FUR	-E Z SL	P	03 02 36.-	1.7	1.61	2	1990	17.9	135.5	325.5
GRF	E Z BE	P	03 02 49.0			2	2120	19.0	138.5	328.7
BUH	-E Z GT	P	03 02 56.6				2190	19.7	130.3	322.4
APR 28 ERL H= 04 43 11.4 LAT = 25.7 N LONG= 125.1 E DEPTH=103 KM MAGNITUDE= 4.9 SOUTHWESTERN RYUKYU ISLANDS										
FUR	-E Z SL	P	04 55 40.-	1.5	1.54	9	9520	85.6	55.9	322.1
	N SL	RM	05 41 20.-	13.0	3.03					
APR 28 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	09 45 53.0							
APR 28 ERL H= 10 49 28.2 LAT = 4.0 S LONG= 102.6 E DEPTH= 82 KM MAGNITUDE= 5.4 SOUTHERN SUMATRA										
GRF	E Z BE	P	11 02 39.1			2	10450	93.9	91.6	319.4
	E Z BE	PP	11 06 27.0			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
APR 28 ERL H= 12 21 11.7 LAT = 1.4 S LONG= 79.9 W DEPTH=109 KM MAGNITUDE= 5.5 ECUADOR										
BNS	E Z FS	P	12 34 06.0	2.0	1.60		9920	89.2	266.8	39.2
BUH	E Z GT	P	12 34 04.8				9990	89.8	267.6	41.5
GRF	E Z BE	P	12 34 12.0			2	10210	91.8	269.9	40.5
FUR	-E Z SL	P	12 34 15.-	1.0	1.76	1	10210	91.8	269.9	42.0
	+E Z SL	-	12 34 18.-	2.0	1.94	2				
APR 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	12 38 35.3			2				
	E N BE	SG	12 39 07.7			2				
APR 28 NO DETERMINATION OF EPICENTER										
BUH	-I Z GT	PN	13 20 59.9							
APR 28 ERL H= 21 14 06.7 LAT = 17.3 S LONG= 178.5 W DEPTH=398 KM MAGNITUDE= 4.5 FIJI ISLANDS REGION										
GRF	-I Z BE	PKP	21 33 00.8			2	16320	146.8	17.2	348.4
APR 29 ERL H= 14 37 53.9 LAT = 34.6 N LONG= 4.1 W DEPTH= 19 KM MAGNITUDE= 4.6 MOROCCO										
APR 29 BCS H= 14 37 55.0 LAT = 34.7 N LONG= 4.2 W MOROCCO										

NOS= FELT (VI) IN TAZA AREA.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	14 41 51.0				1860	16.7	217.6	29.4
FUR	+I Z SL	PP	14 42 07.-	1.5	1.43	7	1970	17.7	225.9	35.6
	+I Z SL	-	14 42 23.-	1.5	1.36	1				
GRF	E Z BE	P	14 42 15.0	1.0	1.54	2	2090	18.8	222.5	32.2

APR 29
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	14 45 27.9							

APR 29 ERL
H= 18 37 25.5
LAT = 13.8 S
LONG= 177.7 W
DEPTH=364 KM
MAGNITUDE= 4.9
FIJI ISLANDS REGION

GRF	E Z BE	PKP	18 56 33.0			2	16610	149.4	16.6	348.6
	E Z BE	-	18 56 39.2			4				
	E Z BE	APKP	18 58 16.6			2				
BUH	E Z GT	PKP	18 56 44.7				16770	150.8	11.4	352.0

APR 29 ERL
H= 13 56 14.3
LAT = 23.3 N
LONG= 68.7 E
DEPTH= 24 KM
MAGNITUDE= 4.9
WEST PAKISTAN

GRF	E Z BE	P	20 04 49.8			1	5280	47.5	33.2	312.1

APR 29
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	23 50 30.0			2				

APR 30 ERL
H= 07 23 43.7
LAT = 51.0 N
LONG= 89.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
CENTRAL RUSSIA

GRF	E Z BE	P	07 36 25.6			1	5320	47.9	56.7	300.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

APR 30 ERL
H= 08 39 07.7
LAT = 17.5 S
LONG= 179.6 E
DEPTH=613 KM
MAGNITUDE= 5.4
FIJI ISLANDS

BNS	+I Z FS	PKP	08 57 41.0				16240	146.1	13.0	351.4
GRF	+I Z BE	PKP	08 57 43.6	0.7	1.56	3	16300	146.6	20.4	346.3
	E Z BE	SKP	09 00 26.0			1				
	E Z BE	SKS	09 08 13.2			1				
FUR	-I Z SL	PKP1	08 57 43.-	1.5	1.36	6	16460	148.0	21.3	345.2
	+I Z SL	PKHKP	08 57 46.-	1.7	2.11	6				
	-I Z SL	PKP2	08 57 51.-	1.0	2.24	2				
BUH	+E Z GT	PKP	08 57 46.9				16470	148.1	15.7	349.2

APR 30
NO DETERMINATION OF EPICENTER

TNS= LOCAL.

TNS	+I Z B	PG	16 33 42.7			3				
	I Z B	SG	16 33 47.0			3				

APR 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	16 55 27.5							

APR 30 ERL
H= 22 37 47.9
LAT = 36.2 N
LONG= 141.4 E
DEPTH= 51 KM
MAGNITUDE= 4.8
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	22 50 13.6	0.9	1.20	2	9320	83.8	38.4	330.1
	E Z BE	AP	22 50 23.0			1				

MAY 01 ERL
H= 00 52 39.7
LAT = 43.9 N
LONG= 148.4 E
DEPTH= 57 KM
MAGNITUDE= 4.9
KURIL ISLANDS REGION

GRF	E Z BE	P	01 04 42.2	0.9	1.60	1	8840	79.5	29.9	333.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 01										
NO DETERMINATION OF EPICENTER										
BUH	I	Z GT	PN 03 46 44.0							
MAY 01	ERL									
H= 05 44 25.1										
LAT = 42.6 N										
LONG= 17.2 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 3.8										
ADRIATIC SEA										
FUR	+I	Z SL	- 05 47 18.-	1.1	1.93	2	770	6.9	141.1	325.3
	Z-SL		MAXIMUM 05 48 57.-	1.5	1.49					
MAY 01	ERL									
H= 07 43 09.1										
LAT = 18.0 S										
LONG= 178.3 W										
DEPTH=536 KM										
MAGNITUDE= 5.0										
FIJI ISLANDS REGION										
HOF	-I	Z SL	PKHKP 08 01 47.-	1.5	2.39	9	16310	146.7	17.9	348.1
	+E	Z SL	- 08 02 14.-	2.0	2.35	7				
	-E	Z SL	- 08 04 31.-	3.0	2.68	3				
BNS	-I	Z FS	PKP 08 01 47.0	1.2	2.15		16320	146.8	9.6	353.7
GRF	E	Z BE	PKP 08 01 45.5	1.2	1.52	1	16390	147.4	17.0	348.5
	-I	Z BE	- 08 01 48.9			4				
	E	Z BE	- 08 01 53.0			5				
FUR	+I	Z SL	PKP1 08 01 47.-	1.7	1.86	9	16550	148.9	17.9	347.5
	-I	Z SL	PKHKP 08 01 52.-	1.5	2.13	9				
	+I	Z SL	PKP2 08 01 58.-	1.3	2.19	7				
BUH	E	Z GT	PKP 08 01 47.5				16560	148.9	12.1	351.6
	-I	Z GT	PKP 08 01 52.5							
MAY 01	ERL									
H= 09 53 31.7										
LAT = 19.8 S										
LONG= 173.8 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
TONGA ISLANDS										
GRF	E	Z BE	PKP 10 13 22.-			1	16670	149.9	9.5	353.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 01	ERL									
H= 10 40 46.9										
LAT = 10.0 S										
LONG= 150.2 E										
DEPTH= 27 KM										
MAGNITUDE= 5.9										
EAST NEW GUINEA REGION										
GRF	E	Z BE	PKP 10 59 51.8	1.8	2.01	2	14220	127.9	55.0	327.3
	E	Z BE	PP 11 01 53.-			1				
FUR	+I	Z SL	PKP1 10 59 53.-	1.9	2.30	2	14310	128.7	56.1	325.7
	-I	Z SL	APKP 11 00 03.-	1.9	2.05	3				
	+I	Z SL	PP 11 02 04.-	1.5	1.59	3				
	+I	Z SL	- 11 02 08.-	2.0	2.10	4				
BUH	E	Z GT	PKP 10 59 55.5				14460	130.1	52.5	327.7
MAY 01	ERL									
H= 15 15 15.1										
LAT = 25.2 S										
LONG= 179.4 E										
DEPTH=544 KM										
MAGNITUDE= 4.7										
SOUTH OF FIJI ISLANDS										
GRF	E	Z BE	PKP 15 34 30.4	1.0	1.31	2	17110	153.8	24.9	342.4
MAY 02	ERL									
H= 01 26 20.9										
LAT = 10.0 S										
LONG= 150.2 E										
DEPTH= 29 KM										
MAGNITUDE= 5.6										
EAST NEW GUINEA REGION										
GRF	E	Z BE	PKP 01 45 22.-			1	14220	127.8	55.0	327.3
FUR	+I	Z SL	PKP1 01 45 26.-	2.0	2.18	9	14310	128.7	56.0	325.7
	+I	Z SL	APKP 01 45 34.-	2.0	2.14	2				
	+E	Z SL	PP 01 47 36.-	2.0	2.05	9				
	+I	Z SL	XPP 01 47 49.-	2.0	2.05	9				
BNS	E	Z SL	PP 01 47 37.-				14360	129.1	49.8	330.6
	E	Z SL	- 01 57 40.-							
	E	Z SL	- 01 59 19.-							
	E	Z SL	LR 02 29 00.-	50.0						
MAY 02	ERL									
H= 05 19 02.9										
LAT = 44.0 N										
LONG= 148.4 E										
DEPTH= 48 KM										
MAGNITUDE= 4.5										
KURIL ISLANDS										

MAY 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	05 31 06.4	1.0	1.48	2	8840	79.5	30.0	333.3

MAY 02
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	11 25 25.0							

MAY 02
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	14 14 23.8			1				
	E N BE	SG	14 15 10.0			2				

MAY 02 BCS
H= 23 17 09.0
LAT = 36.4 N
LONG= 12.6 W
NORTH ATLANTIC OCEAN

MAY 02 ERL
H= 23 17 11.6
LAT = 36.5 N
LONG= 12.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
NORTH ATLANTIC OCEAN

BUH	E Z GT	P	23 21 38.0				2180	19.6	238.9	44.7
STU	+E Z BE	P	23 21 44.0	1.0	1.85	2	2240	20.2	240.3	45.4
BNS	E Z FS	P	23 21 46.5				2260	20.3	231.8	38.0
	I Z FS	-	23 21 50.8	1.5	1.70					
	E Z FS	-	23 22 02.5							
FUR	-I Z SL	P	23 21 55.-	1.8	1.95	3	2350	21.1	245.0	46.8
	-I Z SL	-	23 21 58.-	1.7	2.09	3				
	+E Z SL	AP	23 22 04.-	1.9	1.95	3				
	-E Z SL	XP	23 22 07.-	1.5	1.43	2				
	+I Z SL	PP	23 22 18.-	1.7	1.86	2				
	+E Z SL	-	23 22 31.-	1.5	1.43	2				
	-I Z SL	-	23 22 45.-	1.9	2.00	9				
GRF	E Z BE	P	23 22 00.8			1	2420	21.8	241.4	45.0
	E Z BE	-	23 22 03.4			1				

MAY 03 ERL
H= 05 42 34.1
LAT = 76.6 N
LONG= 107.4 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
QUEEN ELIZABETH ISLANDS

MAY 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	05 51 13.0			1	5360	48.2	344.1	49.9
FUR	+E Z SL	P	05 51 24.-	1.7	1.69	6	5520	49.7	344.4	50.4
	+E Z SL	AP	05 51 33.-	1.5	1.36	2				
	+E Z SL	PP	05 53 19.-	2.0	1.94	7				

MAY 03 BCS
H= 07 44 24.0
LAT = 28.1 N
LONG= 52.3 E
SOUTHERN IRAN

MAY 03 ERL
H= 07 44 24.4
LAT = 28.2 N
LONG= 51.9 E
DEPTH= 41 KM
MAGNITUDE= 4.6
SOUTHERN IRAN

FUR	+E Z SL	P	07 51 32.-	1.3	1.79	8	4160	37.4	107.4	313.7
	+I Z SL	AP	07 51 41.-	1.9	1.95	4				
GRF	E Z BE	P	07 51 33.-			1	4220	37.9	109.2	316.0

MAY 03
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	10 55 16.5							

MAY 03
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	10 58 50.5			2				

MAY 03
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	11 13 30.0			1				
	E Z BE	PG	11 13 34.8			1				
	E N BE	SG	11 13 59.5			2				

MAY 03
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	11 37 09.3							

MAY 03
NO DETERMINATION OF EPICENTER

GRF	E 7 JM	PN	12 20 29.5			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z JM	PG	12 20 30.6			1				
	E N BE	SN	12 20 52.3			1				
	E N BE	SG	12 20 53.5			2				

MAY 03 ERL
H= 13 26 31.0
LAT = 17.9 S
LONG= 178.4 W
DEPTH=600 KM (GEOPHYSICIST)
MAGNITUDE= 5.1
FIJI ISLANDS REGION

GRF	E Z BE	PKP	13 45 06.6			1	16390	147.4	17.2	348.4
FUR	-I Z SL	PKP1	13 45 13.-	1.6	1.60	8	16550	148.8	18.0	347.4
	+E Z SL	PKP2	13 45 19.-	1.1	1.93	3				

MAY 03 ERL
H= 23 11 05.7
LAT = 46.1 S
LONG= 73.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
KERGUELEN ISLANDS REGION

NOS= BELIEVED TO BE THE FIRST INSTRUMENTALLY LOCATED HYPOCENTER IN THIS AREA.

FUR	+E Z SL	PP	23 29 59.-	1.5	1.28	3	12050	108.3	139.7	321.5
	-E Z SL	XPP	23 30 19.-	1.7	1.76	1				

MAY 04 ERL
H= 01 21 21.7
LAT = 17.6 S
LONG= 178.6 W
DEPTH=590 KM (GEOPHYSICIST)
MAGNITUDE= 4.0
FIJI ISLANDS REGION

GRF	E Z BE	PKP	01 40 00.-			1	16350	147.0	17.4	348.3

MAY 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	07 32 18.8							

MAY 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	08 35 15.7							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAY 04 ERL
H= 11 27 13.3
LAT = 2.3 N
LONG= 126.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.9
MOLUCCA PASSAGE

GRF	E Z BE	P	11 41 18.0			1	11610	104.4	68.6	322.7
FUR	-I Z SL	P	11 41 21.-	1.5	1.43	2	11670	105.0	69.1	321.3
	+I Z SL	AP	11 41 32.-	1.3	1.73	2				
	-I Z SL	PKP1	11 45 27.-	1.7	1.91	2				
	+I Z SL	PP	11 45 44.-	2.0	2.33	3				
	+I Z SL	APP	11 45 58.-	2.0	2.40	3				
	+I Z SL	-	11 46 20.-	2.0	2.38	4				

MAY 04 ERL
H= 23 56 06.1
LAT = 1.5 S
LONG= 99.9 E
DEPTH= 51 KM
MAGNITUDE= 5.9
SOUTHERN SUMATRA

HOF	-E Z SL	AP	00 09 10.-	2.0	2.21	5	9990	89.8	92.5	320.2
	+E Z SL	-	00 09 19.-	2.0	2.21	5				
FUR	-E E SL	XPCP	00 09 17.-	1.3	2.13	2	10020	90.1	92.0	318.0
	-I E SL	-	00 09 40.-	1.9	2.28	2				
GRF	-E Z BE	P	00 09 03.7	1.0	2.06	8	10030	90.2	92.0	319.5
	E Z BE	PP	00 12 35.6			2				
HAM	+I Z SX	P	00 09 09.0			2	10130	91.1	90.9	323.3
STU	-E Z BE	P	00 09 09.0	1.0	1.85	3	10180	91.5	90.5	318.6
BUH	-E Z GT	P	00 09 11.9				10250	92.2	89.8	318.5
BNS	E Z FS	P	00 09 21.-	2.2	1.85		10320	92.8	88.8	320.5

MAY 05 ERL
H= 01 35 19.5
LAT = 8.2 S
LONG= 156.4 E
DEPTH= 15 KM
MAGNITUDE= 5.4
SOLOMON ISLANDS

GRF	E Z BE	PKP	01 54 29.6			1	14390	129.4	47.0	331.3

MAY 05
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	01 56 41.1			1				

MAY 05 ERL
H= 03 52 26.4
LAT = 37.1 N
LONG= 141.3 E
DEPTH= 41 KM
MAGNITUDE= 5.4
NEAR EAST COAST OF HONSHU, JAPAN

GRF	+E Z BE	P	04 04 49.2	1.0	2.09	6	9220	83.0	38.0	330.0
	+E Z BE	PCP	04 05 01.9			2				
	E Z BE	-	04 06 22.6			2				
	E Z BE	PP	04 07 56.1			2				
STU	+E Z BE	P	04 04 56.0	1.0	2.19	2	9400	84.5	36.5	330.5
BUH	+E Z GT	P	04 04 58.7				9450	84.9	35.9	330.9

MAY 05 ERL
H= 05 12 23.3
LAT = 36.2 N
LONG= 140.1 E
DEPTH= 80 KM
MAGNITUDE= 4.8
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	05 24 43.0			2	9260	83.3	39.4	329.4

MAY 05
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	11 16 54.9							

MAY 05 ERL
H= 18 53 20.3
LAT = 16.6 S
LONG= 177.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
FIJI ISLANDS REGION

BNS	E Z FS	PKP	19 13 00.5	1.3	1.95		16190	145.6	7.0	355.4
GRF	E Z BE	PKP	19 13 02.5	1.6	2.17	2	16280	146.4	14.2	350.4
BUH	+E Z GT	PKP	19 13 06.2				16430	147.8	9.3	353.6
FUR	-I Z SL	PKP1	19 13 06.-	1.9	2.05	2	16440	147.8	14.3	349.6
	+I Z SL	PKHKP	19 13 09.-	2.0	2.44	3				
	+I Z SL	-	19 13 40.-	2.0	2.18	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAY 05
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	21 23 44.-	1.8	1.90	2				

MAY 05
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	22 29 51.0							

MAY 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	03 17 04.0							

MAY 06 ERL
H= 03 59 19.6
LAT = 27.3 N
LONG= 55.5 E
DEPTH= 28 KM
MAGNITUDE= 4.9
SOUTHERN IRAN

MAY 06 BCS
H= 03 59 29.0
LAT = 27.5 N
LONG= 55.3 E
DEPTH= 75 KM
SOUTHERN IRAN

FUR	-I Z SL	P	04 06 54.-	1.3	1.66	6	4450	40.0	105.1	313.4
GRF	+E Z BE	P	04 06 57.7	0.8	1.51	4	4500	40.5	106.8	315.7

MAY 06 BCS
H= 04 57 45.0
LAT = 47.4 N
LONG= 15.0 E
AUSTRIA

BCIS= MUERZTAL, STYRIA, FELT WITH MAX. INT. IV-V (VIE).

FUR	+E Z SL	SG	04 59 09.-	1.5	1.28	3	290	2.6	105.6	288.3
	Z SL	MAXIMUM	04 59 42.-	1.5	1.59					
GRF	E Z JM	PN	04 58 36.0			2	380	3.4	131.0	313.8
	E Z JM	PG	04 58 46.3			2				
	E N BE	SG	04 59 29.6			3				
BUH	-E Z GT	PN	04 58 53.6				520	4.7	103.2	288.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
MAY 06 BCS H= 08 18 29.0 LAT = 48.3 N LONG= 9.0 E GERMANY										
STU	+E E BE	SG	08 18 44.0	0.5	2.03	5	50	0.5	135.3	15.2
BUH	-I Z GT	PG	08 18 41.9				70	0.6	125.9	306.5
GRF	E Z JM	PN	08 19 00.9			1	220	2.0	227.2	45.6
	E Z JM	PG	08 19 06.1			3				
	E E BE	SG	08 19 31.7			2				
MAY 06 ERL H= 14 39 28.1 LAT = 43.5 N LONG= 132.3 E DEPTH=437 KM MAGNITUDE= 5.3 NEAR E. COAST OF EASTERN RUSSIA										
HAM	E Z SX	P	14 50 00.-			2	7950	71.5	40.4	327.8
HOF	-E Z SL	P	14 50 08.-	1.5	2.09	5	8130	73.1	41.0	324.7
GRF	-I Z BE	P	14 50 13.6	0.7	2.25	9	8210	73.8	40.5	324.6
	E Z BE	-	14 50 50.9			4				
	E Z BE	AP	14 52 00.9			3				
BNS	-I Z FS	P	14 50 16.2	1.3	1.70		8290	74.5	38.2	327.5
	E Z FS	AP	14 52 02.2							
FUR	-I Z SL	P	14 50 20.-	1.5	2.10	9	8340	75.0	40.2	323.5
	-I Z SL	AP	14 52 09.-	2.0	2.10	1				
STU	-E Z BE	P	14 50 21.6	1.0	1.95	5	8390	75.4	39.1	325.0
BUH	-I Z GT	P	14 50 24.3				8440	75.9	38.4	325.5
MAY 06 ERL H= 15 11 37.8 LAT = 53.9 N LONG= 160.5 E DEPTH= 57 KM MAGNITUDE= 5.0 NEAR EAST COAST OF KAMCHATKA										
GRF	+E Z BE	P	15 23 07.1	0.9	1.73	3	8180	73.6	18.4	339.8
FUR	+I Z SL	P	15 23 15.-	1.5	1.59	9	8340	75.0	18.3	339.2
BUH	+E Z GT	P	15 23 14.8				8350	75.1	16.5	341.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
MAY 06 BCS H= 15 35 43.5 LAT = 48.3 N LONG= 6.6 E FRANCE										
BUH	+I Z GT	PN	15 36 10.1				130	1.2	251.2	70.0
MAY 06 NO DETERMINATION OF EPICENTER										
BUH	+E Z GT	PN	21 33 18.2							
MAY 07 ERL H= 10 53 29.2 LAT = 7.2 N LONG= 91.3 E DEPTH= 35 KM MAGNITUDE= 4.8 NICOBAR ISLANDS REGION										
GRF	E Z BE	P	11 05 27.6			2	8690	78.2	92.9	319.2
MAY 07 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PG	11 07 21.4			3				
	E N BE	SG	11 07 44.1			3				
MAY 07 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PG	11 16 15.7			2				
	E N BE	SG	11 16 36.2			2				
MAY 07 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 20 55.3			1				
	E N BE	SG	11 21 17.1			2				
MAY 07 NO DETERMINATION OF EPICENTER FUR= LOCAL.										
FUR	+E Z SL	-	13 49 42.-	1.5	1.36	3				
	Z SL	MAXIMUM	13 50 00.-	1.5	1.66					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 07 ERL H= 14 48 54.6 LAT = 4.6 N LONG= 78.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 SOUTH OF PANAMA										
GRF	E Z BE	P	15 01 32.1			1	9530	86.2	272.6	40.6
MAY 07 NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	16 11 08.3							
MAY 08 ERL H= 00 43 47.9 LAT = 15.7 S LONG= 167.8 E DEPTH=153 KM MAGNITUDE= 5.2 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	01 02 56.2			3	15700	141.1	37.5	335.7
	E Z BE	-	01 02 59.1			3				
	E Z BE	-	01 04 28.4			1				
FUR	+I Z SL	PKP1	01 03 04.-	1.5	1.36	6	15830	142.3	38.8	334.2
	+I Z SL	-	01 03 08.-	1.3	1.84	5				
	-I Z SL	-	01 04 35.-	1.5	1.54	5				
BUH	E Z GT	PKP	01 03 02.2				15920	143.1	34.0	337.4
MAY 08 ERL H= 04 44 56.4 LAT = 17.6 S LONG= 178.9 W DEPTH=543 KM MAGNITUDE= 5.3 FIJI ISLANDS REGION										
HAM	E Z SX	PKP	05 03 23.-			3	15960	143.5	14.3	351.1
HOF	-I Z SL	PKP1	05 03 36.-	2.5	2.80	9	16260	146.2	18.8	347.5
BNS	+I Z FS	PKP	05 03 37.5	1.5	2.28		16270	146.4	10.6	353.0
	E Z FS	-	05 04 13.-							
GRF	E Z BE	PKP	05 03 35.0							
	+I Z BE	-	05 03 40.4			1	16340	147.0	18.0	347.9
	-I Z BE	-	05 03 43.4			9				
	-E Z BE	-	05 04 26.9			9				
	E Z BE	-	05 07 07.3			2				
FUR	-I Z SL	PKP1	05 03 40.-	1.9	2.16	1 2	16500	143.4	18.8	346.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	PKHKP	05 03 44.-	1.7	2.65	9				
	-I Z SL	PKP2	05 03 49.-	1.7	2.48	3				
	+I Z SL	-	05 04 10.-	1.5	1.70	2				
	-I Z SL	-	05 04 36.-	1.5	1.70	9				
	-I Z SL	PP	05 07 27.-	2.0	2.10	2				
BUH	+E Z GT	PKP	05 03 38.4				16510	148.5	13.1	350.9
MAY 08 ERL H= 07 48 59.8 LAT = 45.7 N LONG= 149.6 E DEPTH= 95 KM MAGNITUDE= 5.4 KURIL ISLANDS										
GRF	E Z BE	P	08 00 51.0			3	8710	78.4	28.4	333.8
	-I Z BE	-	08 00 51.9			9				
	-I Z BE	-	08 00 55.8			9				
FUR	+I Z SL	P	08 00 59.-	1.5	1.89	9	8860	79.7	28.3	333.1
BUH	-E Z GT	P	08 01 00.7				8920	80.2	26.4	335.1
MAY 08 ERL H= 10 01 38.2 LAT = 33.0 N LONG= 104.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 KANSU PROVINCE, CHINA										
GRF	E Z BE	P	10 12 32.5			2	7480	67.3	65.5	315.3
FUR	-E Z SL	XP	10 12 37.-	1.5	2.36	2	7550	67.9	65.0	313.8
MAY 08 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 52 48.4			2				
	E N BE	SG	11 53 21.1			2				
MAY 08 ERL H= 13 04 23.9 LAT = 45.7 N LONG= 9.7 E DEPTH= 33 KM (NORMAL) NORTHERN ITALY										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 08 9CS H= 19 08 24.0 LAT = 45.7 N LONG= 9.7 E NOPTHERN ITALY										
FUR	+I Z SL	PN	19 09 08.-	0.4	2.78	9	300	2.7	203.8	22.7
	-I Z SL	PB	19 09 16.-	1.0	2.32	9				
	+I Z SL	PG	19 09 27.-	1.0	2.58	3				
	+I Z SL	SN	19 09 48.-	1.1	2.46	2				
	+I Z SL	SB	19 09 55.-	1.1	2.39	3				
	-I Z SL	SG	19 09 58.-	1.1	2.63	9				
	Z SL	MAXIMUM	19 10 35.-	1.5	2.51					
STU	+E N BE	PG	19 09 20.6	0.8	2.33	2	350	3.1	173.4	353.7
	E N BE	-	19 09 29.6							
	E N BE	SG	19 09 47.0	0.8	2.63	5				
BUH	+E Z GT	PN	19 09 13.2				350	3.2	160.9	342.0
	I Z GT	PN	19 09 21.6							
	I Z GT	PN	19 09 47.7							
KRL	+E Z ST	PN	19 09 34.0	0.5		3	390	3.5	164.8	345.7
	-I Z ST	-	19 09 57.5	0.8		3				
	-I Z ST	-	19 10 17.2	0.7		4				
GRF	I Z JM	PN	19 09 25.6			2	460	4.2	194.8	13.7
	E Z JM	-	19 09 32.8			2				
	E Z BE	-	19 09 39.4			2				
	E Z BE	PG	19 09 44.4			2				
TNS	I Z B	PN	19 09 33.0			5	520	4.6	169.0	349.9
	I Z B	PG	19 09 57.0			6				
	I Z B	SN	19 10 55.0			9				
HOF	-I Z SL	SG	19 11 10.-	1.5	2.39	3	540	4.9	198.2	16.6
							620	5.6	161.4	343.3
BNS	-I Z FS	PN	19 09 55.1							
	I Z FS	SN	19 10 48.2							
	E E X	SG	19 11 23.5	0.9	2.48					
	E Z FS	-	19 11 23.5	1.0	2.18					
MAY 09 NO DETERMINATION OF EPICENTER										
FUP= EXPLOSION AT ESCHENLOHE.										
FUR	Z SL	MAXIMUM	11 12 14.-	1.7	2.09					
MAY 09 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	13 29 36.7							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 09 ERL H= 14 17 20.1 LAT = 1.6 N LONG= 128.5 E DEPTH= 57 KM MAGNITUDE= 5.2 HALMAHERA										
GRF	E Z BE	PKP	14 35 56.3			1	11800	106.1	67.6	323.1
	E Z BE	-	14 36 15.5			1				
MAY 09 NO DETERMINATION OF EPICENTER										
BNS	+I Z FS	-	15 03 17.5	1.6	1.70					
MAY 09 NO DETERMINATION OF EPICENTER										
BNS	+I Z FS	P	15 20 52.0	0.8	1.30					
MAY 09 NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	18 53 33.3							
MAY 10 ERL H= 11 39 31.5 LAT = 51.4 N LONG= 179.5 W DEPTH= 61 KM MAGNITUDE= 5.3 ANDREANOF ISLANDS, ALEUTIAN IS.										
BNS	+I Z FS	P	11 51 24.3	1.0	1.60		8660	77.9	4.3	355.7
GRF	+I Z BE	P	11 51 30.3	1.0	2.01	9	8770	78.9	6.3	352.9
STU	+E Z BE	P	11 51 35.1	1.0	1.79	3	8890	80.0	5.5	354.2
BUH	+E Z GT	P	11 51 36.3				8910	80.1	4.9	354.8
FUR	+I Z SL	P	11 51 38.-	1.3	2.00	9	8940	80.4	6.8	352.7
	-I Z SL	AP	11 51 48.-	1.5	1.59	3				
MAY 10 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	16 31 50.-	1.5	1.28	5				
	Z SL	MAXIMUM	16 33 28.-	1.5	1.59					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 10 ERL H= 17 50 53.1 LAT = 19.0 N LONG= 104.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 NEAR COAST OF JALISCO, MEXICO										
BNS	+E Z FS	P	18 03 43.3	1.4	1.60		9830	88.4	298.6	35.9
GRF	+E Z BE	P	18 03 57.1	1.1	1.76	4	10150	91.3	301.7	35.7
FUR	-I Z SL	P	18 04 02.-	1.9	2.12	9	10250	92.2	301.7	37.0
	+E Z SL	APCP	18 04 08.-	1.5	1.43	7				
MAY 10 ERL H= 19 16 20.1 LAT = 50.4 N LONG= 157.3 E DEPTH= 42 KM MAGNITUDE= 4.9 KURIL ISLANDS										
GRF	E Z BE	P	19 28 25.-			1	8460	76.1	21.6	338.1
MAY 10 ERL H= 23 46 19.8 LAT = 12.2 S LONG= 65.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 MID-INDIAN RISE										
FUR	+E Z SL	P	23 58 10.-	1.3	1.78	6	8570	77.0	125.2	326.0
	-I Z SL	XP	23 58 24.-	1.8	1.90	2				
	+I Z SL	XPCP	23 58 39.-	1.8	1.90	2				
GRF	E Z BE	P	23 58 15.9			1	8670	78.0	125.5	327.3
	E Z BE	-	23 58 18.4			2				
MAY 11 BCS H= 00 08 21.0 LAT = 79.2 N LONG= 2.5 E GREENLAND SEA										
MAY 11 ERL H= 00 08 22.0 LAT = 79.4 N LONG= 3.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 GREENLAND SEA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	00 14 29.6			2	3310	29.8	356.7	168.6
STU	E Z BE	P	00 14 36.8	1.0	1.39	2	3410	30.6	357.5	171.3
MAY 11 ERL H= 10 45 25.4 LAT = 1.0 N LONG= 126.0 E DEPTH= 24 KM MAGNITUDE= 5.4 MOLUCCA PASSAGE										
GRF	E Z BE	PP	11 03 57.9			2	11680	105.0	70.0	322.4
FUR	-I Z SL	PP	11 04 01.-	1.7	1.86	9	11730	105.5	70.5	320.9
	+I Z SL	APP	11 04 07.-	1.9	1.95	3				
MAY 11 ERL H= 13 52 31.7 LAT = 33.4 N LONG= 57.4 E DEPTH= 50 KM MAGNITUDE= 5.1 IRAN										
MAY 11 BCS H= 13 52 34.0 LAT = 33.4 N LONG= 57.6 E IRAN										
HOF	Z SL	RM	14 18 45.-	14.0	3.45		4140	37.2	99.5	310.9
FUR	-I Z SL	P	13 59 45.-	1.5	1.54	2	4150	37.3	96.1	307.3
GRF	E Z BE	P	13 59 46.2			1	4180	37.6	98.1	309.8
	E Z BE	-	14 00 07.0			2				
	E Z BE	PP	14 01 27.2			1				
	E Z BE	PPP	14 01 54.9			1				
MAY 11 NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PG	17 23 07.5							
MAY 12 ERL H= 05 46 48.7 LAT = 3.2 S LONG= 101.2 E DEPTH= 51 KM MAGNITUDE= 5.5 SOUTHERN SUMATRA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	+E Z BE	P	05 53 56.2			3	10280	92.5	92.1	319.5
	E Z BE	AP	06 00 08.1			2				

MAY 12 ERL
H= 07 05 16.6
LAT = 53.6 N
LONG= 163.7 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
UNIMAK ISLAND REGION

GRF	E Z BE	P	07 17 08.3			2	8570	77.0	356.9	3.4

MAY 12 ERL
H= 07 23 49.4
LAT = 53.5 N
LONG= 163.7 W
DEPTH= 30 KM
MAGNITUDE= 4.5
UNIMAK ISLAND REGION

GRF	E Z BE	P	07 35 41.0			1	8570	77.1	356.9	3.4
	E Z BE	-	07 35 52.5			3				

MAY 12 ERL
H= 16 20 09.2
LAT = 3.7 S
LONG= 152.1 E
DEPTH= 13 KM
MAGNITUDE= 5.5
NEW IRELAND REGION

HOF	-I Z SL	PP	16 40 56.-	1.5	2.24	7	13650	122.8	49.4	330.8
GRF	E Z BE	PKIKP	16 39 11.0			1	13730	123.5	49.1	330.6
	E Z BE	PKHKP	16 39 44.8			2				
	E Z BE	-	16 40 16.4			2				
	E Z BE	PP	16 40 58.2			3				
	E Z BE	PPS	16 52 29.-			1				
FUR	+I Z SL	PKP1	16 39 12.-	1.8	1.95	2	13840	124.5	49.9	329.1
	-I Z SL	-	16 39 16.-	1.5	1.73	2				
	+I Z SL	PP	16 41 00.-	2.0	2.24	3				
	+I Z SL	APP	16 41 04.-	2.0	2.27	3				
	Z SL	RM	17 35 30.-	20.0	4.53					
BNS	E Z FS	PKP	16 39 15.5	1.4	1.48		13840	124.5	44.1	333.8
	E Z FS	-	16 40 51.-							
	E Z SL	LR	17 19 30.-	55.0						
	Z SL	-	17 37 00.-	18.0						
BUH	+E Z GT	PKP	16 39 22.3				13970	125.6	46.4	331.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAY 12 ERL
H= 22 25 03.8
LAT = 35.6 N
LONG= 69.7 E
DEPTH= 96 KM
MAGNITUDE= 5.1
HINDU KUSH REGION

NOS= FELT (IV) IN KABUL.

GRF	+E Z BE	P	22 33 05.8			4	4910	44.2	85.7	307.4
FUR	+I Z SL	P	22 33 07.-	1.5	1.49	4	4920	44.3	84.2	305.2
	-I Z SL	XP	22 33 44.-	1.7	1.81	2				
BUH	+E Z GT	P	22 33 20.6				5140	46.2	82.6	306.2

MAY 13
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	01 24 02.-	1.8	1.70	5				
	+E Z SL	-	01 24 11.-	1.8	1.78	6				

MAY 13 ERL
H= 01 32 36.1
LAT = 0.9 S
LONG= 13.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
NORTH OF ASCENSION ISLAND

BUH	+E Z GT	P	01 41 49.2				5870	52.8	207.3	17.7
FUR	+I Z SL	P	01 41 54.-	1.5	2.89	4	5930	53.3	211.1	20.2
	-I Z SL	XP	01 42 05.-	1.5	1.62	4				
	-I Z SL	PCP	01 43 02.-	1.5	1.59	9				
	+I Z SL	APCP	01 43 10.-	1.5	1.43	2				
	-E Z SL	XPCP	01 43 19.-	1.8	1.95	9				
	+E Z SL	XPP	01 44 10.-	1.5	1.36	3				
	N SL	RM	02 05 30.-	18.0	3.33					
BNS	E Z FS	P	01 42 02.8	1.7	1.60		6060	54.5	205.3	15.7
GRF	+E Z BE	P	01 42 02.8	1.0	1.35	4	6070	54.6	210.5	19.2

MAY 13 ERL
H= 11 19 36.5
LAT = 14.8 N
LONG= 55.7 E
DEPTH= 11 KM
MAGNITUDE= 5.0
ARABIAN SEA

FUR	+I Z SL	P	11 28 28.-	1.3	2.12	9	5490	49.4	117.0	321.9
	-I Z SL	-	11 28 34.-	1.5	1.76	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	-I Z SL	-	11 28 43.-	1.5	1.89	3				
	+I Z SL	PCP	11 29 51.-	1.9	1.83	2				
	+I Z SL	PP	11 30 19.-	2.0	2.00	4				
HOF	+E Z SL	P	11 28 34.-	1.5	1.99	4	5570	50.1	119.2	324.6
	-E Z SL	XP	11 28 44.-	1.5	2.09	2				
GRF	-E Z BE	P	11 28 33.0			2	5580	50.1	118.0	323.7
	-E Z BE	-	11 28 35.2			3				
	-I Z BE	-	11 28 39.3			6				
	-I Z BE	-	11 28 44.8			4				
BUH	E Z GT	P	11 28 42.3				5720	51.5	114.3	321.4

MAY 13 ERL
H= 13 12 11.4
LAT = 23.6 S
LONG= 111.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
EASTER ISLAND REGION

BUH	E Z GT	PKP	13 31 15.3				14140	127.1	275.9	45.9

MAY 13 ERL
H= 16 31 52.9
LAT = 23.7 S
LONG= 112.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
EASTER ISLAND REGION

GRF	E Z BE	PKP	16 51 00.7			1	14350	129.0	279.0	44.4

MAY 13 ERL
H= 16 57 09.8
LAT = 17.8 S
LONG= 167.9 E
DEPTH= 32 KM
MAGNITUDE= 4.5
NEW HEBRIDES ISLANDS

FUR	-I Z SL	PKP1	17 16 44.-	2.0	1.94	7	16040	144.2	40.3	333.0
	+I Z SL	APKP	17 16 53.-	1.5	1.36	2				
BUH	+E Z GT	PKP	17 16 45.2				16130	145.0	35.3	336.3

MAY 14 ERL
H= 01 20 20.5
LAT = 17.8 S
LONG= 167.7 E
DEPTH= 29 KM
MAGNITUDE= 4.4
NEW HEBRIDES ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	+E Z GT	PKP	01 39 56.8				16120	144.9	35.6	336.1

MAY 14
NO DETERMINATION OF EPICENTER

BNS	+I Z FS	P	01 31 02.3	1.0	1.90					
	E Z FS	-	01 31 30.-							

MAY 14 ERL
H= 02 19 01.6
LAT = 44.1 N
LONG= 148.2 E
DEPTH= 64 KM
MAGNITUDE= 5.5
KURIL ISLANDS

HOF	+I Z SL	P	02 30 59.-	1.5	2.39	9	8740	78.6	30.5	333.2
GRF	+I Z BE	P	02 31 02.5	1.0	2.46	9	8830	79.4	30.0	333.2
FUR	+I Z SL	P	02 31 09.-	1.5	2.06	9	8970	80.7	29.9	332.4
	+I Z SL	APCP	02 31 27.-	1.5	1.54	3				
STU	+E Z BE	P	02 31 09.5	1.0	2.09	3	8990	80.8	28.6	333.9
BUH	+E Z GT	P	02 31 11.3				9030	81.2	28.0	334.5

MAY 14
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	07 04 21.7							

MAY 14
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PN	10 51 20.3							

MAY 14
NO DETERMINATION OF EPICENTER

BUH	-E Z GT	PN	15 13 18.7							

MAY 14 ERL
H= 17 11 13.8
LAT = 16.6 S
LONG= 175.9 E
DEPTH= 54 KM
MAGNITUDE= 5.8
FIJI ISLANDS REGION

HOF	-E Z SL	PKP1	17 30 45.-	4.0	2.91	9	16020	144.0	26.7	342.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	PKP	17 30 44.3	3.0	2.30		16080	144.6	18.9	347.6
GRF	+I Z BE	PKP	17 30 46.2	1.3	2.57	9	16100	144.8	26.1	342.7
FUR	-I Z SL	PKP1	17 30 43.-	2.0	3.05	9	16250	146.1	27.2	341.4
	+I Z SL	PKP2	17 30 53.-	1.5	2.60	3				
	-I Z SL	XPKP	17 31 02.-	1.3	2.21	4				
KRL	+E Z ST	PKP	17 30 51.0	1.5		5	16250	146.1	21.9	345.1
STU	E Z BE	PKP	17 30 48.4	1.4	2.69	2	16250	146.2	23.4	344.1
BUH	+E Z GT	PKP	17 30 48.7				16290	146.5	21.8	345.1

MAY 14
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PN	17 27 43.8							

MAY 14
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	19 10 36.0							

MAY 14
NO DETERMINATION OF EPICENTER

BNS	E Z FS	P	20 18 34.-							
	E Z FS	-	20 18 46.-							

MAY 14
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	20 23 21.-							
	E Z FS	-	20 25 12.-							

MAY 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	20 33 51.5			2				

MAY 14 EPL
H= 21 15 47.9
LAT = 22.0 S
LONG= 179.1 W
DEPTH=501 KM
MAGNITUDE= 5.4
SOUTH OF FIJI ISLANDS

HOF	-E Z SL	-	21 34 45.-	1.5	2.17	6	16730	150.4	21.0	345.6
BNS	+I Z FS	PKP	21 34 43.4	1.4	1.78		16750	150.7	12.0	351.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z FS	-	21 34 52.8							
GRF	E Z BE	PKP	21 34 38.7			1	16810	151.2	20.2	346.0
	+E Z BE	-	21 34 44.9			4				
	-E Z BE	-	21 34 55.5			6				
FUR	+E Z SL	PKP1	21 34 39.-	2.0	2.05	9	16970	152.6	21.3	344.8
	+E Z SL	PKHKP	21 34 53.-	1.3	2.00	9				
	-I Z SL	PKP2	21 35 02.-	2.0	2.30	9				
BUH	E Z GT	PKP	21 34 40.7				16980	152.7	15.0	349.3

MAY 15 ERL
H= 03 18 51.0
LAT = 42.0 N
LONG= 142.1 E
DEPTH= 30 KM
MAGNITUDE= 4.9
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	03 30 48.6			2	8790	79.0	35.0	330.0

MAY 15 ERL
H= 04 17 05.8
LAT = 39.9 N
LONG= 77.8 E
DEPTH= 45 KM
MAGNITUDE= 4.4
SOUTHERN SINKIANG PROV., CHINA

GRF	E Z BE	P	04 25 24.5			2	5210	46.8	75.6	305.2

MAY 15
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	05 12 02.-	2.0	1.70	2				

MAY 15 ERL
H= 06 14 10.7
LAT = 37.8 N
LONG= 141.8 E
DEPTH= 50 KM
MAGNITUDE= 4.8
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	06 26 30.4			3	9190	82.6	37.3	330.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 15 EPL H= 09 16 36.8 LAT = 17.7 S LONG= 167.6 E DEPTH= 28 KM MAGNITUDE= 4.8 NEW HEBRIDES ISLANDS										
FUP	-E Z SL	PKP1	09 36 11.-	1.8	1.70	5	16010	144.0	40.6	332.8
BUH	E Z GT	PKP	09 36 12.5				16110	144.8	35.7	336.1
MAY 15 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	10 25 24.-	1.9	1.83	6				
MAY 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	10 47 57.8							
MAY 15 NO DETERMINATION OF EPICENTER										
FUP	+E Z SL	-	10 49 58.-	1.8	1.70	2				
MAY 15 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	10 59 40.7			1				
	E Z JM	PG	10 59 41.6			9				
	I N BE	SG	10 59 57.4			4				
MAY 15 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	11 02 20.1			1				
	E Z JM	PG	11 02 21.0			9				
	E N BE	SG	11 02 36.7			2				
MAY 15 NO DETERMINATION OF EPICENTER										
BUH	+E Z GT	PN	11 06 56.8							
MAY 15 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 14 54.8			1				
	E N BE	SG	11 15 24.4			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 15 NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	12 06 26.2							
MAY 15 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	13 03 17.-	1.5	1.18	4				
MAY 15 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	13 33 06.-	1.5	1.36	2				
MAY 15 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	13 47 38.9			2				
	E N BE	SG	13 48 08.8			2				
MAY 15 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	15 08 25.7							
MAY 15 NO DETERMINATION OF EPICENTER										
BUH	-I Z GT	PN	17 14 59.6							
MAY 15 ERL H= 18 40 32.8 LAT = 37.3 N LONG= 71.7 E DEPTH=126 KM MAGNITUDE= 4.9 AFGHANISTAN-USSR BORDER REGION										
GRF	E Z BE	P	18 48 34.3			2	4950	44.5	82.4	306.2
MAY 15 ERL H= 22 50 54.7 LAT = 47.2 N LONG= 12.9 E DEPTH= 10 KM (GEOPHYSICIST) AUSTRIA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 15 BCS H= 22 50 55.0 LAT = 47.1 N LONG= 13.1 E AUSTRIA										
BCIS= HOHE TAUERN, FELT WITH MAX. INT. V (VIE).										
FUP	+I	Z SL	PN	22 51 24.-	1.2	2.28	9	170	1.5	131.6	312.8
	+I	Z SL	SG	22 51 45.-	1.0	2.46	2				
		Z SL	MAXIMUM	22 52 17.-	1.2	2.54					
GRF	E	Z BE	PN	22 51 39.5			1	310	2.8	155.4	336.6
	I	Z JM	-	22 51 40.7			2				
	E	Z BE	PG	22 51 48.4			6				
STU	-E	Z BE	PN	22 51 43.0	0.4	1.51	2	330	3.0	121.4	304.1
	E	E BE	PG	22 51 52.8	0.5	1.93	3				
	E	E BE	SG	22 52 34.5	0.6	3.09					
HOF	-E	Z SL	SG	22 52 42.-	1.0	1.95	5	360	3.2	167.3	348.1
	-I	Z SL	-	22 52 53.-	1.0	2.10	7				
BUH	+I	Z GT	PN	22 51 50.2				390	3.5	113.9	297.4
	I	Z GT	PN	22 52 00.4							
KRL	-I	Z ST	SN	22 52 53.0	1.5		5	390	3.5	119.8	303.1
BNS	E	Z FS	PN	22 52 19.2				600	5.4	133.0	317.4
	E	Z FS	SN	22 53 17.9							
	E	N X	SG	22 53 49.-							
MAY 16 ERL H= 07 57 00.6 LAT = 22.0 S LONG= 179.4 W DEPTH=606 KM MAGNITUDE= 4.1 SOUTH OF FIJI ISLANDS										
GRF	E	Z BE	PKP1	08 15 47.4			2	16800	151.1	20.7	345.7
	E	Z BE	PKP2	08 15 58.4			2				
MAY 16 NO DETERMINATION OF EPICENTER											
BUH	E	Z GT	PN	10 46 30.4							
MAY 16 NO DETERMINATION OF EPICENTER											
BUH	E	Z GT	PN	18 27 07.1							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 16 ERL H= 19 07 29.4 LAT = 22.0 S LONG= 179.5 W DEPTH=607 KM MAGNITUDE= 5.0 SOUTH OF FIJI ISLANDS										
GRF	E	Z BE	PKP	19 26 27.7			2	16800	151.1	20.8	345.6
MAY 17 ERL H= 01 44 28.9 LAT = 18.1 S LONG= 175.0 W DEPTH=215 KM MAGNITUDE= 5.0 TONGA ISLANDS										
GRF	E	Z BE	PKP	02 03 51.1			2	16470	148.1	11.2	352.4
MAY 17 ERL H= 06 17 46.4 LAT = 44.6 N LONG= 149.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 KURIL ISLANDS										
GRF	+E	Z BE	P	06 29 50.7	0.8	1.70	6	8810	79.2	29.2	333.7
FUR	-I	Z SL	P	06 29 58.-	1.5	1.59	5	8950	80.5	29.1	332.9
MAY 17 ERL H= 09 38 09.9 LAT = 41.0 N LONG= 82.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 SOUTHERN SINKIANG PROV., CHINA										
GRF	E	Z BE	P	09 46 53.9			2	5440	48.9	71.7	305.4
	+I	Z BE	-	09 46 57.0	1.2	2.12	9				
	-E	Z BE	-	09 46 58.8			3				
	+E	Z BE	-	09 47 09.6			4				
FUR	+I	Z SL	P	09 47 01.-	1.3	2.06	3	5490	49.4	70.4	303.5
	+I	Z SL	XP	09 47 13.-	1.5	1.49	2				
	-I	Z SL	-	09 47 45.-	1.9	2.19	1				
	+I	Z SL	PCP	09 48 22.-	1.5	2.73	1				
	+I	Z SL	PP	09 48 54.-	1.3	1.89	2				
BUH	+E	Z GT	P	09 47 12.6				5680	51.1	69.2	305.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 17										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	10 28 12.4			2				
	E N BE	SG	10 28 36.0			1				
MAY 17										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	11 29 05.2							
MAY 17 ERL										
H= 15 44 13.5										
LAT = 33.1 N										
LONG= 140.7 E										
DEPTH= 62 KM										
MAGNITUDE= 5.5										
SOUTH OF HONSHU, JAPAN										
GRF	+E Z BE	P	15 56 55.2			3	9580	86.1	40.5	329.8
FUR	+I Z SL	P	15 57 02.-	2.0	2.21	3	9700	87.3	40.5	328.8
MAY 17 ERL										
H= 16 00 00.0										
LAT = 39.8 N										
LONG= 108.4 W										
DEPTH= 0 KM										
MAGNITUDE= 5.4										
COLORADO										
NOS= 39 DEG. 47 MIN. 34.8 SEC. N, 108 DEG. 21 MIN. 59.6 SEC. W.										
ELEVATION 2020.8 M. 90 KT. MAG. 5.7 MB (BRK).										
BUH	+E Z GT	P	16 11 46.3				8410	75.6	314.7	37.7
GRF	+E Z BE	P	16 11 50.7	0.7	1.08	3	8480	76.3	316.4	35.5
MAY 17 ERL										
H= 16 11 37.1										
LAT = 35.5 N										
LONG= 57.8 E										
DEPTH= 45 KM										
MAGNITUDE= 4.9										
IRAN										
MAY 17 BCS										
H= 16 11 40.0										
LAT = 35.6 N										
LONG= 57.9 E										
DEPTH= 50 KM										
IRAN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	16 18 40.3			2	4060	36.5	95.0	307.5
BUH	E Z GT	P	16 18 54.8				4270	38.4	91.2	305.7
MAY 17 ERL										
H= 19 21 33.9										
LAT = 2.3 S										
LONG= 100.8 E										
DEPTH= 80 KM										
MAGNITUDE= 5.1										
SOUTHERN SUMATRA										
GRF	E Z BE	P	19 34 34.5			2	10180	91.5	91.8	319.5
MAY 18 ERL										
H= 09 15 20.2										
LAT = 20.7 S										
LONG= 178.6 W										
DEPTH=595 KM										
MAGNITUDE= 4.7										
FIJI ISLANDS REGION										
GRF	E Z BE	PKP	09 34 06.1			1	16680	150.0	18.6	347.2
MAY 18 ERL										
H= 10 36 50.3										
LAT = 44.6 N										
LONG= 149.3 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.4										
KURIL ISLANDS										
HOF	-I Z SL	P	10 48 50.-	1.5	2.57	9	8730	78.5	29.5	333.7
GRF	+E Z BE	P	10 48 54.1			6	8810	79.3	29.1	333.3
BNS	+I Z FS	P	10 48 53.7	1.5	2.18		8820	79.3	26.5	336.7
FUR	+I Z SL	P	10 49 01.-	1.5	2.40	9	8960	80.6	29.0	333.0
	+I Z SL	XP	10 49 12.-	1.5	2.76	3				
	-I Z SL	XPCP	10 49 20.-	1.8	2.18	3				
	-E Z SL	PP	10 52 04.-	2.0	1.94	2				
	N SL	PM	11 29 30.-	15.0	3.27					
STU	E Z BE	P	10 49 01.2	1.0	2.09	2	8970	80.7	27.6	334.6
BUH	E Z GT	P	10 49 03.3				9020	81.1	27.0	335.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 18 ERL H= 13 20 10.2 LAT = 6.2 S LONG= 151.8 E DEPTH= 34 KM MAGNITUDE= 5.8 NEW BRITAIN REGION										
FUP	+I Z SL	PKP1	13 39 12.-	1.9	2.12	3	14060	126.4	51.7	328.1
	-I Z SL	APKP	13 39 24.-	1.5	1.28	3				
	-I Z SL	-	13 39 40.-	2.0	2.05	5				
	-I Z SL	PP	13 41 10.-	2.4	2.28	3				
STU	E Z BE	PKP	13 39 12.0	1.2	1.98	2	14140	127.1	49.2	329.3
BUH	E Z GT	PKP	13 39 13.4				14200	127.7	48.2	330.2
MAY 18 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	14 17 51.5							
MAY 18 NO DETERMINATION OF EPICENTER										
HOF= EXPLOSION.										
HOF	-E Z SL	-	14 25 25.-	1.5	1.87	3				
	+E Z SL	-	14 25 42.-	1.5	1.87	3				
GRF	I Z JM	PN	14 25 34.2			2				
	I Z BE	PG	14 25 35.2			6				
	I Z BE	PG	14 25 35.7			6				
	E E BE	SG	14 25 56.5			4				
	E E BE	-	14 25 58.5			6				
MAY 19 BCS H= 00 37 22.0 LAT = 57.5 N LONG= 33.4 W NORTH ATLANTIC OCEAN										
MAY 19 ERL H= 00 37 22.5 LAT = 57.5 N LONG= 33.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 NORTH ATLANTIC OCEAN										
HLG	E Z SL	P	00 42 24.-			1	2570	23.2	295.1	80.5
BNS	+E Z FS	P	00 42 36.0	3.5	2.49					
	+E Z SL	-	00 42 37.-				2700	24.3	301.4	88.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z FS	PP	00 43 08.-							
	E Z SL	LR	00 48 30.-	40.0						
	Z SL	-	00 51 30.-	18.0						
BUH	E Z GT	P	00 42 55.5				2910	26.1	305.5	91.7
GRF	+E Z BE	P	00 43 02.6	1.4	1.91	4	3020	27.2	303.9	87.3
HOF	-E Z SL	P	00 42 58.-	1.5	1.87	3	3020	27.2	302.9	85.7
	+E Z SL	AP	00 43 03.-	2.0	1.99	3				
	Z SL	QM	00 53 30.-	16.0	3.85					
FUR	+I Z SL	P	00 43 11.-	1.5	1.43	2	3120	28.1	306.3	90.0
	-I Z SL	-	00 43 13.-	2.0	2.27	3				
	+I Z SL	AP	00 43 18.-	1.9	2.09	1				
	+I Z SL	-	00 43 35.-	1.5	1.53	2				
	-I Z SL	-	00 43 45.-	2.0	2.10	3				
	+I Z SL	PPP	00 44 13.-	1.8	2.00	3				
	-I Z SL	-	00 46 20.-	2.2	2.23	4				
	N SL	QM	00 53 30.-	17.0	3.54					
MAY 19 ERL H= 00 44 10.8 LAT = 57.5 N LONG= 33.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 NORTH ATLANTIC OCEAN										
GRF	E Z BE	P	00 49 54.6			2	3010	27.0	304.0	87.6
MAY 19 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	03 06 56.4			1				
	E N BE	SG	03 07 45.2			2				
MAY 19 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	03 29 11.2			2				
MAY 19 ERL H= 11 06 54.0 LAT = 36.4 N LONG= 71.1 E DEPTH=110 KM MAGNITUDE= 4.5 AFGHANISTAN-USSR BORDER REGION										
GRF	E Z BE	P	11 14 58.5			1	4960	44.6	83.8	306.9

MAY 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 19 BCS H= 13 44 46.0 LAT = 48.3 N LONG= 6.6 E FRANCE										
BUH	E Z GT	PN	13 45 06.9				130	1.1	251.5	70.3
MAY 19 BCS H= 19 35 47.0 LAT = 42.5 N LONG= 13.3 E CENTRAL ITALY										
RCIS= FELT AT L-AQUILA (ROM).										
FUR	+E Z SL	-	19 37 25.-	1.5	1.28	3	650	5.8	165.1	346.6
	+E Z SL	PB	19 37 36.-	1.5	1.28	5				
	-I Z SL	-	19 38 12.-	2.0	2.14	6				
	-E Z SL	SN	19 38 26.-	1.5	1.36	3				
	-I Z SL	SB	19 38 49.-	2.0	1.94	2				
	Z SL	MAXIMUM	19 39 52.-	2.0	2.18					
GRF	E Z BE	P	19 37 38.1			1	820	7.3	167.3	349.4
	E N BE	S	19 38 55.5			2				
MAY 20 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	00 55 12.8			2				
MAY 20 ERL H= 18 18 18.0 LAT = 61.0 N LONG= 152.4 W DEPTH=118 KM MAGNITUDE= 4.9 SOUTHERN ALASKA										
GRF	+E Z BE	P	18 29 11.8	0.6	1.14	4	7660	68.9	351.5	11.3
BUH	E Z GT	P	18 29 15.6				7740	69.6	350.1	13.5
FUR	-E Z SL	P	18 29 21.-	1.5	1.36	6	7830	70.4	351.7	11.5
MAY 20 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	21 08 00.9							

MAY 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 21 ERL H= 04 54 52.9 LAT = 15.0 S LONG= 177.4 W DEPTH=343 KM MAGNITUDE= 4.7 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	05 13 50.1	0.7	1.30	4	16090	144.7	14.6	350.3
MAY 21 ERL H= 09 16 45.1 LAT = 47.5 N LONG= 152.4 E DEPTH=137 KM MAGNITUDE= 4.9 KURIL ISLANDS										
GRF	E Z BE	P	09 28 27.4	0.6	1.39	2	8620	77.5	25.8	335.3
FUR	-E Z SL	P	09 28 34.-	1.5	1.28	5	8770	78.9	25.7	334.6
MAY 21 ERL H= 11 50 20.5 LAT = 1.3 S LONG= 67.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 CARLSBERG RIDGE										
GRF	E Z BE	P	12 01 32.7			1	7770	69.9	117.7	324.9
MAY 21 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	16 16 36.3							
MAY 21 ERL H= 20 17 50.7 LAT = 27.5 N LONG= 129.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 RYUKYU ISLANDS										
GRF	E Z BE	P	20 30 29.0			1	9520	85.6	51.8	324.9
MAY 21 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	21 46 02.4							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 21										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	22 42 42.2							
MAY 21 ERL										
H= 23 03 17.6										
LAT = 16.1 S										
LONG= 172.1 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
SAMOA ISLANDS REGION										
GRF	E Z BE	PKP	23 27 57.0			2	16280	146.4	5.7	356.1
FUR	+I Z SL	PKP1	23 28 02.-	1.9	1.89	7	16450	147.9	6.1	355.8
	-E Z SL	-	23 28 32.-	1.9	1.75	5				
MAY 22										
NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PN	01 04 15.3							
MAY 22 ACS										
H= 15 26 14.0										
LAT = 36.8 N										
LONG= 22.3 E										
SOUTHERN GREECE										
GPF	E Z BE	P	15 29 48.3			2	1690	15.2	143.9	331.5
MAY 22										
NO DETERMINATION OF EPICENTER										
BNS	+I Z FS	PG	16 12 32.0							
	E E X	SG	16 12 37.8	0.7	?.00					
	E N X	-	16 12 38.4	0.7	2.36					
MAY 22 ERL										
H= 17 05 25.7										
LAT = 20.9 S										
LONG= 174.0 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
TONGA ISLANDS										
BNS	E Z FS	PKP	17 25 12.5	1.5	1.78		16670	149.9	2.2	358.5
	E Z FS	-	17 25 24.5							
GRF	E Z BE	PKP	17 25 16.7			2	16780	150.9	10.1	353.0
	E Z BE	-	17 25 21.3			?				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	-	17 25 23.1			2				
	E Z BE	-	17 25 28.1			3				
	+E Z BE	-	17 25 35.3			4				
BUH	E Z GT	PKP	17 25 19.0				16920	152.2	4.5	356.8
FUR	-E Z SL	PKP1	17 25 21.-	1.5	1.36	6	16950	152.4	10.7	352.3
	+I Z SL	PKHKP	17 25 24.-	1.5	1.36	6				
	-I Z SL	XPKP	17 25 30.-	2.0	2.24	3				
	-I Z SL	PKP2	17 25 36.-	1.7	2.09	3				
MAY 22 ERL										
H= 22 04 58.4										
LAT = 10.0 S										
LONG= 150.3 E										
DEPTH= 13 KM										
MAGNITUDE= 5.5										
EAST NEW GUINEA REGION										
GRF	E Z BE	PKP	22 24 04.5			1	14230	127.9	54.9	327.4
	E Z BE	PP	22 26 09.2			1				
MAY 23										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	00 06 35.6			2				
MAY 23										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	05 06 19.0							
MAY 23 ERL										
H= 10 17 59.8										
LAT = 5.0 S										
LONG= 11.6 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
ASCENSION ISLAND REGION										
BUH	E Z GT	P	10 27 37.6				6250	56.2	204.1	15.7
FUR	-E Z SL	P	10 27 41.-	1.5	1.28	1	6290	56.6	207.7	18.2
	-E Z SL	XP	10 27 55.-	1.5	1.43	2				
MAY 23										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-I Z SL	-	12 08 40.-	1.3	1.59	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 23										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	+E Z SL	-	14 02 42.-	1.5	1.28	5				
	Z SL	MAXIMUM	14 03 15.-	1.5	1.76					
MAY 23										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 41 25.5							
MAY 23										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	16 44 37.-							
	E Z FS	-	16 44 50.5							
MAY 23										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-I Z SL	P	22 07 42.-	1.3	2.12	9				
	-I Z SL	-	22 08 23.-	2.0	2.10	2				
	Z SL	MAXIMUM	22 08 50.-	1.5	1.79					
BUH	E Z GT	PN	22 07 44.6							
MAY 24 ERL										
H= 01 52 47.3										
LAT = 20.3 N										
LONG= 121.3 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
PHILIPPINE ISLANDS REGION										
GRF	E Z BE	P	02 05 33.0			1	9670	87.0	62.0	322.3
MAY 24 ERL										
H= 02 23 16.2										
LAT = 9.2 S										
LONG= 67.2 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.9										
MID-INDIAN RISE										
FUR	+I Z SL	P	02 34 59.-	1.5	1.36	6	8380	75.4	122.3	325.0
	-I Z SL	AP	02 35 07.-	1.9	1.95	2				
	-I Z SL	PCP	02 35 11.-	1.5	1.54	2				
	-I Z SL	APCP	02 35 13.-	1.5	1.59	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	02 35 02.8			2	8470	76.2	122.6	326.3
	E Z BE	-	02 35 11.1			2				
MAY 24										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	P	03 15 45.-							
MAY 24										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	+E Z SL	-	11 12 17.-	1.3	1.59	2				
	Z SL	MAXIMUM	11 12 50.-	1.9	2.25					
MAY 24										
NO DETERMINATION OF EPICENTER										
TNS= LOCAL.										
TNS	I Z B	PG	15 33 54.0			9				
	I Z B	PN	15 33 55.7			9				
	I Z B	SG	15 33 58.3			9				
MAY 24 ERL										
H= 17 12 53.2										
LAT = 34.3 N										
LONG= 136.4 E										
DEPTH=382 KM										
MAGNITUDE= 4.3										
SOUTHERN HONSHU, JAPAN										
GRF	E Z BE	P	17 24 40.5			1	9260	83.3	42.9	327.7
MAY 24 ERL										
H= 13 47 11.6										
LAT = 51.6 N										
LONG= 173.4 W										
DEPTH= 43 KM										
MAGNITUDE= 5.4										
ANDREANOF ISLANDS, ALEUTIAN IS.										
BNS	+E Z FS	P	18 59 05.2	1.0	1.60		8650	77.8	0.4	359.6
	+E Z SL	-	18 59 06.-							
	E Z SL	-	18 59 15.4							
	E Z FS	-	19 00 12.-							
HOF	-E Z SL	AP	18 59 22.-	3.0	2.42	5	8710	78.3	3.4	356.5
GRF	+I Z BE	P	18 59 12.7			6	8730	79.0	3.0	356.9
	-I Z BE	-	18 59 13.8			9				
	E Z BE	-	18 59 26.8			4				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E Z BE	-	18 59 28.7			2				
	E Z BE	PP	19 05 00.6			3				
	E Z BE	-	19 05 12.7			2				
	E Z BE	-	19 05 23.8			1				
	E Z BE	SSS	19 20 56.5			2				
STU	E Z BE	P	18 59 17.5	1.0	2.21	2	8830	80.0	1.7	358.2
BUH	E Z GT	P	18 59 18.3				8900	80.1	1.1	358.9
FUR	+I Z SL	P	18 59 21.-	1.5	1.73	9	8950	80.5	3.0	356.8
	-I Z SL	PCP	18 59 26.-	1.3	1.66	3				
	-I Z SL	AP	18 59 29.-	1.3	1.59	3				
	-I Z SL	APCP	18 59 34.-	1.5	1.76	9				
	+I Z SL	XPCP	18 59 40.-	1.8	2.00	5				
	N SL	PM	19 44 30.-	17.0	3.24					

MAY 24 ERL
H= 19 34 13.5
LAT = 14.7 N
LONG= 91.2 W
DEPTH=100 KM
MAGNITUDE= 5.2
GUATEMALA

BNS	+E Z FS	P	19 46 33.2	1.7	1.48		9330	83.9	285.7	39.0
	I Z FS	AP	19 47 00.5	1.5	1.70					
BUH	E Z GT	P	19 46 39.5				9480	85.2	286.7	41.0
GRF	+E Z BE	P	19 46 48.1			3	9650	86.8	288.8	39.4
	E Z BE	AP	19 47 14.0			2				
FUR	-E Z SL	P	19 46 51.-	1.7	1.81	2	9710	87.3	289.0	40.9

MAY 24 ERL
H= 20 54 15.8
LAT = 45.5 N
LONG= 150.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
KURIL ISLANDS

GRF	+E Z BE	P	21 06 17.8	0.6	1.03	2	8770	78.9	27.8	334.5

MAY 24
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	21 37 53.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

MAY 24 ERL
H= 22 18 47.0
LAT = 41.4 N
LONG= 144.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	22 31 10.5			2	8940	80.4	33.9	331.3

MAY 24 ERL
H= 22 36 34.8
LAT = 51.9 N
LONG= 173.4 W
DEPTH= 50 KM
MAGNITUDE= 4.4
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E Z BE	P	22 48 34.7			2	8750	78.7	2.9	357.0

MAY 24 BCS
H= 23 14 26.0
LAT = 27.9 N
LONG= 58.7 E
SOUTHERN IRAN

MAY 24 ERL
H= 23 14 33.2
LAT = 28.0 N
LONG= 57.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
SOUTHERN IRAN

GRF	E Z BE	P	23 22 17.8			2	4680	42.1	103.2	314.4

MAY 25 ERL
H= 00 02 03.8
LAT = 51.8 N
LONG= 173.4 W
DEPTH= 24 KM
MAGNITUDE= 4.1
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	+E Z BE	P	00 14 06.7			2	8760	78.8	2.9	356.9

MAY 25 ERL
H= 02 57 50.1
LAT = 51.7 N
LONG= 173.3 W
DEPTH= 45 KM
MAGNITUDE= 4.5
ANDREANOF ISLANDS, ALEUTIAN IS.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	03 09 51.3			2	8780	79.0	2.9	357.0

MAY 25 ERL
H= 06 14 09.4
LAT = 51.6 N
LONG= 173.3 W
DEPTH= 47 KM
MAGNITUDE= 4.5
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E Z BE	P	06 26 10.4			2	8780	79.0	2.9	357.0

MAY 25
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 36 56.8			1				

MAY 25 ERL
H= 03 39 53.9
LAT = 25.5 N
LONG= 66.5 E
DEPTH= 57 KM
MAGNITUDE= 4.9
WEST PAKISTAN

HOF	Z SL	PM	03 16 40.-	12.0	3.36		5380	48.4	99.7	315.6
FUR	+E Z SL	P	03 43 36.-	1.5	1.23	3	5390	48.4	97.4	312.7
	-E Z SL	AP	08 48 42.-	1.3	1.49	4				
	Z SL	PM	09 15 30.-	17.0	3.95					
GRF	E Z BE	P	08 48 36.0			2	5410	48.7	98.6	314.7

MAY 25
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	10 58 09.6			2				
	I Z JM	PG	10 58 10.6			9				
	E N BE	SG	10 58 26.2			3				

MAY 25
NO DETERMINATION OF EPICENTER

GRF	I Z JM	PN	11 00 49.3			4				
	I Z JM	PG	11 00 50.2			9				
	E N BE	SG	11 01 05.7			4				

MAY 25
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 43 56.8			2				
	E N BE	SG	11 44 24.3			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAY 25
NO DETERMINATION OF EPICENTER

BNS	E Z FS	P	12 37 03.4	1.0	1.30					
	E Z FS	-	12 37 22.5							

MAY 25
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	12 46 06.0			1				
	I Z JM	PG	12 46 07.1			4				
	E N BE	SG	12 46 28.8			2				

MAY 25 ERL
H= 13 17 26.1
LAT = 53.2 N
LONG= 161.3 W
DEPTH= 39 KM
MAGNITUDE= 4.9
SOUTH OF ALASKA

GRF	E Z BE	P	13 29 18.6	0.6	0.91	2	8590	77.3	355.4	5.0
BUH	E Z GT	P	13 29 22.9				8690	78.1	353.6	7.1
FUR	+I Z SL	P	13 29 27.-	1.5	1.36	3	8760	78.8	355.4	5.1

MAY 25
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+E Z SL	-	15 00 37.-	1.0	1.76	3				
	Z SL	MAXIMUM	15 01 30.-	1.3	1.96					
GRF	E Z BE	PG	15 01 03.2			1				
	E N BE	SG	15 01 33.4			1				

MAY 25
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	16 00 19.5			1				
	E N BE	SG	16 00 38.7			1				

MAY 25
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	17 08 14.5			2				

MAY 25
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR= LOCAL.										
FUR	+I Z SL	-	17 11 01.-	1.7	1.81	2				
MAY 25 ERL H= 17 45 39.5 LAT = 23.1 S LONG= 176.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	18 06 39.-			1	17000	152.9	14.8	349.6
MAY 25 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	21 28 24.3			1				
MAY 26 ERL H= 02 15 35.4 LAT = 37.2 N LONG= 141.4 E DEPTH= 56 KM MAGNITUDE= 5.0 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	02 27 56.4			2	9220	82.9	37.9	330.0
	E Z BE	-	02 28 09.2			1				
FUR	-I Z SL	P	02 28 03.-	2.0	2.14	2	9360	84.1	37.9	329.0
	-E Z SL	-	02 28 40.-	2.0	2.00	2				
BUH	E Z GT	P	02 28 06.0				9450	84.9	35.8	331.0
MAY 26 ERL H= 03 06 53.5 LAT = 51.7 N LONG= 175.4 W DEPTH= 59 KM MAGNITUDE= 4.6 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	03 13 51.-			1	8760	78.8	4.2	355.6
MAY 26 EPL H= 12 13 34.4 LAT = 51.4 N LONG= 179.7 W DEPTH= 39 KM MAGNITUDE= 5.8 ANDREANOF ISLANDS, ALEUTIAN IS.										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HLG	+ Z SL	P	12 31 12.8	9.0		5	8300	74.6	5.0	355.4
HAM	E Z SX	P	12 31 17.-			3	8360	75.2	6.3	354.0
BRN	+E Z ET	P	12 31 19.-			3	8450	76.0	8.3	351.9
BNS	+I Z FS	P	12 31 29.5	1.3	2.18		8660	77.9	4.4	355.5
	+I Z SL	-	12 31 30.-	18.0						
	E Z SL	PP	12 34 18.-							
	E Z SL	S	12 41 22.-							
	E Z SL	SS	12 46 24.-							
	E Z SL	LR	12 56 40.-	44.0						
	Z SL	-	13 13 00.-	18.0						
HOF	+I Z SL	P	12 31 31.-	3.0	2.30	9	8700	78.2	7.4	352.4
	-E Z SL	APCP	12 31 52.-	1.5	1.99	4				
	Z SL	RM	13 13 40.-	17.0	3.92					
GRF	E Z BE	P	12 31 35.4	0.7	2.04	2	8770	78.9	7.0	352.8
STU	E Z BE	P	12 31 40.0	1.0	2.19	2	8830	79.3	5.7	354.0
BUH	E Z GT	P	12 31 41.4				8910	80.1	5.1	354.6
FUR	+I Z SL	P	12 31 44.-	1.3	2.29	9	8940	80.4	7.0	352.5
	+I Z SL	PCP	12 31 50.-	1.5	1.76	2				
	+I Z SL	AP	12 31 54.-	1.3	2.03	2				
	-I Z SL	-	12 32 02.-	1.3	2.03	3				
	+I Z SL	-	12 32 35.-	1.5	1.62	3				
	N SL	RM	13 14 40.-	18.0	3.98					
MAY 26 ERL H= 13 12 10.1 LAT = 51.3 N LONG= 179.7 W DEPTH= 56 KM MAGNITUDE= 4.9 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	13 24 09.8	0.7	1.30	2	8780	79.0	7.0	352.8
BUH	E Z GT	P	13 24 15.8				8920	80.2	5.0	354.7
MAY 27 ERL H= 06 38 13.4 LAT = 21.3 S LONG= 177.9 W DEPTH=422 KM MAGNITUDE= 5.0 FIJI ISLANDS REGION										
BNS	-E Z FS	PKP	06 57 16.0	1.1	1.30		16700	150.2	9.6	353.5
	E Z FS	-	06 58 57.1							
GRF	E Z BE	PKP	06 57 17.7	0.8	1.42	2	16770	150.8	17.7	347.8
	E Z BE	-	06 57 28.1			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+I Z SL	PKP1	06 57 21.-	1.5	1.28	2	16930	152.2	18.7	346.7
	-I Z SL	PKHKP	06 57 33.-	1.5	1.43	1				
BUH	E Z GT	PKP	06 57 21.0				16930	152.3	12.4	351.2

MAY 27 ERL
H= 19 47 42.3
LAT = 37.3 N
LONG= 135.1 E
DEPTH=374 KM
MAGNITUDE= 4.2
SEA OF JAPAN

GRF	E Z BE	P	19 59 14.2	0.7	1.00	2	8920	80.2	42.2	326.8

MAY 27 ERL
H= 21 17 17.1
LAT = 2.5 S
LONG= 65.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
SOUTH INDIAN OCEAN

FUR	+I Z SL	P	21 28 20.-	1.5	1.28	1	7650	68.8	120.1	324.5
	-E Z SL	APCP	21 28 48.-	2.0	1.88	2				
GRF	E Z BE	P	21 28 24.8			2	7740	69.6	120.5	325.9

MAY 28
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

GRF	E Z BE	PG	08 01 50.3			1				
	E N BE	SG	08 02 15.4			2				
FUR	+E Z SL	-	08 02 26.-	1.5	1.18	2				
	Z SL	MAXIMUM	08 03 30.-	1.5	1.54					

MAY 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	10 51 45.5			1				
	E N BE	SG	10 52 06.2			1				

MAY 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	11 08 13.-			1				

MAY 28
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	18 09 43.3							

MAY 28 ERL
H= 20 27 11.2
LAT = 18.1 S
LONG= 65.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
MASCARENE ISLANDS REGION

FUR	+E Z SL	P	20 39 37.-	1.5	1.18	1	9080	81.7	123.0	326.8
	-I Z SL	XP	20 39 40.-	1.8	2.26	4				
	+I Z SL	XPCP	20 39 44.-	1.8	2.40	2				
	+I Z SL	-	20 39 58.-	1.9	2.60	6				
	Z SL	RM	21 16 20.-	20.0	3.22					
GRF	E Z BE	P	20 39 32.-			1	9190	82.7	129.1	328.0
HOF	+I Z SL	-	20 40 02.-	1.5	2.09	5	9200	82.8	129.7	328.7
BUH	E Z GT	P	20 39 38.0				9300	83.6	126.6	326.0
BNS	E Z FS	P	20 40 00.5				9510	85.5	125.9	327.4
	E Z FS	-	20 40 15.5	2.5	2.00					
	E Z SL	LR	21 02 20.-	70.0						
	Z SL	-	21 06 00.-	60.0						

MAY 28
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	21 18 44.8							

MAY 29 ERL
H= 01 45 26.8
LAT = 51.2 N
LONG= 179.9 W
DEPTH= 46 KM
MAGNITUDE= 4.1
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E Z BE	P	01 57 28.2			1	8790	79.1	7.1	352.7

MAY 29 ERL
H= 01 46 44.9
LAT = 51.7 N
LONG= 176.2 E
DEPTH= 46 KM
MAGNITUDE= 5.2
RAT ISLANDS, ALEUTIAN ISLANDS

HAM	E Z SX	P	01 58 24.-			5	8300	74.6	8.8	351.6
BRN	+E Z ET	P	01 53 28.-			2	8370	75.3	10.8	349.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+E Z FS	P	01 58 35.5	2.0	2.15		8600	77.3	7.0	352.9
	+I Z FS	-	01 58 38.6							
	+I Z SL	-	01 58 39.-							
	E Z FS	PP	02 02 53.-							
	E Z SL	S	02 08 20.-							
	E Z SL	LR	02 24 00.-	40.0						
	Z SL	-	02 41 00.-	17.0						
HOF	+I Z SL	P	01 58 40.-	2.0	2.51	9	8620	77.5	9.9	349.8
	Z SL	RM	02 41 20.-	15.0	3.82					
GRF	E Z BE	P	01 58 41.2			2	8700	78.2	9.5	350.1
	E Z BE	PP	02 02 58.5			1				
STU	E Z BE	P	01 58 46.0	1.0	1.94	2	8820	79.3	8.2	351.3
	E E SL	S	02 09 48.0							
BUH	+E Z GT	P	01 58 47.9				8840	79.5	7.6	352.0
	E Z GT	P	02 03 04.8							
FUR	+E Z SL	P	01 58 49.-	1.5	1.49	4	8860	79.7	9.4	349.8
	+I Z SL	PCP	01 58 52.-	2.0	2.51	5				
	-I Z SL	AP	01 58 56.-	1.9	2.35	3				
	+I Z SL	XP	01 59 01.-	2.0	2.14	3				
	+I Z SL	XPCP	01 59 10.-	2.0	2.27	2				
	+I Z SL	-	01 59 40.-	1.7	1.95	9				
	E SL	RM	02 41 00.-	17.5	3.83					

MAY 29
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	04 13 11.6							

MAY 29 ERL
H= 04 51 57.9
LAT = 73.7 N
LONG= 9.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
GREENLAND SEA

MAY 29 BCS
H= 04 52 00.0
LAT = 73.1 N
LONG= 7.7 E
GREENLAND SEA

GRF	E Z BE	P	04 57 11.-			1	2680	24.1	358.8	177.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

MAY 29 ERL
H= 05 42 06.9
LAT = 20.7 S
LONG= 168.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
LOYALTY ISLANDS

GRF	E Z BE	PKP	06 01 44.4			1	16220	145.9	40.1	333.4
FUR	+I Z SL	PKP1	06 01 48.-	1.5	1.43	7	16350	147.0	41.7	331.6
BUH	E Z GT	PKP	06 01 50.1				16450	147.9	36.5	335.1

MAY 29 ERL
H= 06 14 22.3
LAT = 54.0 N
LONG= 163.8 W
DEPTH= 30 KM
MAGNITUDE= 6.0
UNIMAK ISLAND REGION

HLG	+I Z X	P	06 25 44.7			3	8000	72.0	354.8	5.2
HAM	+I Z SX	P	06 25 50.1			7	8090	72.8	356.1	3.9
BRN	+I Z ET	P	06 25 56.8			9	8220	73.9	358.1	1.9
BNS	+I Z FS	P	06 26 03.0	1.5	2.77		8350	75.1	354.5	5.9
	E Z FS	-	06 26 16.2							
	E Z SL	S	06 35 40.-							
	E Z SL	LR	06 51 00.-							
	Z SL	-	07 03 20.-	20.0						
TNS	1I Z SL	P	06 26 07.5			5	8440	75.9	355.3	5.2
HOF	+I Z SL	P	06 26 08.-	2.0	2.76	9	8450	76.0	357.3	2.9
GRF	+I Z BE	P	06 26 11.9	0.9	2.50	5	8520	76.6	357.0	3.3
KRL	+I Z ST	P	06 26 15.0	2.0		9	8580	77.1	355.3	5.3
STU	+E Z BE	P	06 26 16.0	0.8	2.54	4	8610	77.4	355.7	4.8
BUH	+I Z GT	P	06 26 16.4				8610	77.5	355.2	5.4
FUR	+I Z SL	P	06 26 20.-	1.8	3.10	9	8690	78.1	357.0	3.4
	+I Z SL	PCP	06 26 28.-	1.5	2.19	8				
	+I Z SL	XPCP	06 26 41.-	1.9	2.48	5				
	-I Z SL	-	06 26 48.-	1.8	2.48	3				
	+I Z SL	-	06 26 54.-	1.8	2.51	5				
	E SL	RM	07 11 00.-	16.0	3.14					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 29 ERL H= 11 46 54.6 LAT = 17.5 S LONG= 66.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 MASCARENE ISLANDS REGION										
FUR	+E Z SL	P	11 59 14.-	1.3	1.49	2	9090	81.8	127.6	326.2
	-I Z SL	AP	11 59 23.-	1.9	1.89	1				
	-I Z SL	XPCP	11 59 34.-	1.9	2.00	2				
MAY 29 NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-E Z SL	-	16 49 05.-	1.8	1.70	3				
	-E Z SL	-	16 49 47.-	1.7	1.86	2				
MAY 29 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	17 55 22.-	1.9	1.75	2				
GRF	E Z BE	P	17 55 33.-			1				
MAY 30 ERL H= 04 38 01.8 LAT = 2.3 S LONG= 78.5 W DEPTH=111 KM MAGNITUDE= 5.7 ECUADOR										
BNS	-E Z FS	P	04 50 46.0	1.0	1.30		9900	89.0	265.2	39.1
	E Z FS	AP	04 51 13.5							
	+E Z SL	-	04 51 13.5	9.0						
	E Z SL	S	05 01 06.-							
	E Z SL	LR	05 19 20.-	46.0						
BUH	E Z GT	P	04 50 47.5				9960	89.5	266.1	41.4
	E Z GT	P	04 51 15.2							
HLG	+ Z SL	P	04 51 16.-			3	9980	89.7	265.8	39.9
FUR	+I Z SL	P	04 50 58.-	1.5	1.43	2	10180	91.5	268.3	42.0
	+E Z SL	AP	04 51 25.-	1.5	1.53	3				
	+E Z SL	PP	04 54 42.-	1.9	1.75	2				
	E SL	RM	05 30 30.-	17.0	2.98					
GRF	E Z BE	P	04 50 57.8	1.2	1.52	3	10180	91.5	268.3	40.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 30 ERL H= 11 40 21.8 LAT = 17.6 S LONG= 179.0 W DEPTH=553 KM MAGNITUDE= 4.8 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	11 59 04.0			1	16340	146.9	18.2	347.7
MAY 30 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 59 42.0			1				
	E N BE	SG	12 00 17.6			1				
MAY 30 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	17 16 35.5							
MAY 31 ERL H= 05 39 18.8 LAT = 13.9 N LONG= 90.9 W DEPTH= 99 KM MAGNITUDE= 5.4 NEAR COAST OF GUATEMALA										
BNS	E Z FS	P	05 51 41.-				9370	84.3	235.0	39.0
	E Z FS	-	05 51 58.-	2.0	1.60					
BUH	E Z GT	P	05 51 46.5				9510	85.6	235.9	41.0
GRF	E Z BE	P	05 51 55.4			2	9690	87.1	288.1	39.5
FUR	-E Z SL	P	05 51 58.-	1.8	1.70	3	9750	87.7	288.2	40.9
	+E Z SL	-	05 52 14.-	1.7	1.61	2				
	+I Z SL	AP	05 52 25.-	2.0	2.05	1				
	+I Z SL	PP	05 55 32.-	1.5	1.43	2				
	-I Z SL	-	05 55 45.-	1.9	2.05	9				
	+I Z SL	APP	05 55 51.-	1.9	1.95	2				
	Z SL	OM	06 22 00.-	33.0	3.15					
MAY 31 ERL H= 07 50 36.0 LAT = 17.0 S LONG= 176.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	08 10 08.-			1	16160	145.4	24.9	343.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAY 31									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	09 29 01.3			1			
	E N BE	SG	09 29 23.2			2			
MAY 31									
NO DETERMINATION OF EPICENTER									
GRF	E Z JM	PN	10 28 07.0			1			
	E Z BE	PG	10 28 10.0			1			
	E N BE	SG	10 28 37.-			1			
MAY 31									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	11 02 48.7			1			
	E N BE	SG	11 03 15.-			1			
MAY 31									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	12 45 47.2			1			
	E N BE	SG	12 46 12.7			1			
MAY 31									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	13 58 31.6			1			
	E N BE	SG	13 58 55.2			1			
BUH	E Z GT	PN	13 59 09.3						
MAY 31 ERL									
H= 17 36 52.9									
LAT = 51.3 N									
LONG= 176.3 E									
DEPTH= 10 KM									
MAGNITUDE= 4.8									
RAT ISLANDS, ALEUTIAN ISLANDS									
GRF	E Z BE	P	17 48 56.9	1.0	1.31	1	8730	78.5	9.5 350.2
BUH	E Z GT	P	17 49 03.5				8880	79.8	7.6 352.0
FUR	+I Z SL	P	17 49 04.-	1.3	1.73	7	8900	80.0	9.5 349.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
MAY 31 ERL									
H= 19 50 36.9									
LAT = 28.2 N									
LONG= 56.2 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 4.7									
SOUTHERN IRAN									
MAY 31 BCS									
H= 19 50 42.0									
LAT = 28.3 N									
LONG= 56.1 E									
SOUTHERN IRAN									
FUR	+E Z SL	P	19 58 11.-	1.7	1.76	7	4430	39.8	103.5 312.5
	+E Z SL	AP	19 58 18.-	1.7	1.61	5			
GRF	E Z BE	P	19 58 11.0			1	4470	40.2	105.2 314.7
MAY 31 ERL									
H= 23 39 56.7									
LAT = 24.3 N									
LONG= 93.5 E									
DEPTH= 30 KM									
MAGNITUDE= 5.9									
BURMA-INDIA BORDER REGION									
NOS= FELT AT SHILLONG, INDIA.									
BRN	E Z ET	P	23 50 39.-			1	7270	65.4	81.8 318.4
	-I Z ET	AP	23 50 54.0			5			
	-E N ET	S	23 59 17.-			2			
HOF	-I Z SL	P	23 50 44.-	2.0	2.46	9	7400	66.5	79.9 316.2
	+I Z SL	AP	23 50 52.-	2.0	2.46	2			
	+I Z SL	XP	23 51 00.-	2.0	3.35	9			
	-I Z SL	-	23 51 20.-	2.0	2.74	3			
	+I Z SL	XPP	23 53 26.-	2.0	2.79	4			
	-E Z SL	S	23 59 28.-	5.0	3.06	2			
	+E Z SL	SP	23 59 52.-	5.0	3.28	2			
	Z SL	RM	00 22 30.-	12.0	3.85				
GRF	E Z BE	P	23 50 48.2	1.0	1.79	2	7450	67.0	79.2 315.7
	+I Z BE	-	23 51 05.8			5			
FUR	-I Z SL	P	23 50 50.-	1.0	2.06	6	7480	67.3	78.6 314.0
	+I Z SL	-	23 50 52.-	1.0	2.39	7			
	+I Z SL	AP	23 50 58.-	2.0	2.10	2			
	-I Z SL	-	23 51 03.-	1.0	2.28	3			
	-I Z SL	XP	23 51 06.-	1.5	2.73	9			
	-I Z SL	PCP	23 51 22.-	1.7	2.41	8			
	-I Z SL	APCP	23 51 27.-	1.5	1.93	3			
	+I Z SL	XPCP	23 51 33.-	1.5	2.00	3			
	+I Z SL	PP	23 53 22.-	1.8	2.40	4			
	-I Z SL	APP	23 53 30.-	1.8	2.65	2			
	+I Z SL	PPP	23 54 53.-	1.9	2.19	7			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	N SL	PM	00 17 00.-	35.0	4.34					
HLG	- Z SL	P	23 51 10.-			4	7580	68.2	78.5	320.9
	Z X	P	23 51 12.-			2				
STU	+E Z BE	P	23 50 57.5	0.6	2.07	3	7620	68.5	77.4	315.0
TNS	+I Z B	P	23 50 49.9			2	7640	68.7	77.4	316.6
	E Z B	PCP	23 51 16.0			2				
	E E SL	SCS	00 00 09.6			3				
KRL	+E Z ST	P	23 50 02.8	1.0		4	7670	69.0	76.9	315.3
	+I Z WH	-	23 50 18.0	2.0		9				
BUH	+E Z GT	P	23 51 01.4				7690	69.2	76.7	315.0
	I Z GT	P	23 51 17.2							
BNS	E Z FS	P	23 51 02.9	1.0	1.30		7710	69.3	76.8	317.6
	-I Z FS	-	23 51 18.5	2.4	2.60					
	E Z FS	-	23 53 40.-							

JUN 01
NO DETERMINATION OF EPICENTER

FUR	+E Z SL	-	00 19 15.-	1.8	1.78	2				
	-E Z SL	-	00 19 22.-	1.5	1.36	2				

JUN 01 ERL
H= 07 22 57.0
LAT = 47.8 S
LONG= 99.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.8
SOUTHEAST INDIAN RISE

FUR	+I Z SL	PKP1	07 41 54.-	1.8	1.85	1	13610	122.4	127.0	307.6
	+I Z SL	PP	07 43 31.-	2.0	2.10	3				
	+E Z SL	XPP	07 43 48.-	2.9	2.48	1				
	N SL	PM	08 41 00.-	19.0	3.77					
GRF	E Z BE	PKP	07 41 53.-			1	13720	123.3	126.2	309.0

JUN 01 ERL
H= 08 28 33.6
LAT = 50.1 S
LONG= 114.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
SOUTH OF AUSTRALIA

FUR	+I Z SL	PKP1	08 47 52.-	1.9	2.05	2	14640	131.7	122.8	299.1

JUN 01
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUP	-E Z SL	-	08 42 25.-	2.0	1.80	5				
	+I Z SL	-	08 42 42.-	2.0	2.00	4				
	-I Z SL	-	08 43 24.-	2.0	2.10	3				

JUN 01
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	11 33 08.4							
	E Z FS	-	11 33 17.0							

JUN 01
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	12 02 34.6			1				
	E Z BE	PG	12 02 35.2			2				
	E N BE	SG	12 02 56.0			1				

JUN 01
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	12 42 21.2			1				
	E N BE	SG	12 42 48.0			1				

JUN 01 ERL
H= 12 46 08.7
LAT = 41.1 N
LONG= 82.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTHERN SINKIANG PROV., CHINA

GRF	E Z BE	P	12 54 53.8			1	5420	48.8	71.6	305.3

JUN 01 ERL
H= 13 03 01.8
LAT = 25.2 N
LONG= 98.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
BURMA-CHINA BORDER REGION

GRF	E Z BE	P	13 14 12.-			1	7740	69.6	75.0	316.2
FUR	+I Z SL	P	13 14 16.-	1.9	2.00	9	7780	69.9	74.5	314.6

JUN 01 ERL
H= 20 00 28.3
LAT = 20.8 S
LONG= 178.6 W
DEPTH=613 KM
MAGNITUDE= 4.6
FIJI ISLANDS REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	PKP	20 19 12.8			1	16700	150.2	18.7	347.1

JUN 01
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	-	21 49 49.-	1.5	1.36	1				

JUN 02 ERL
H= 20 07 30.5
LAT = 13.6 N
LONG= 70.6 W
DEPTH= 40 KM
MAGNITUDE= 5.2
DOMINICAN REPUBLIC REGION

BUH	E Z GT	P	20 18 28.9				7590	68.3	275.2	44.4
GRF	E Z BE	P	20 18 41.3			1	7600	70.1	277.0	43.1
FUR	-E Z SL	AP	20 18 49.-	2.0	2.00	8	7620	70.3	277.6	44.7
	-I Z SL	PCP	20 18 57.-	2.0	2.05	9				
	E SL	RM	20 52 00.-	17.0	3.38					
HOF	Z SL	RM	20 50 00.-	18.0	3.84		7830	70.4	277.3	42.4

JUN 02
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	20 44 11.0							

JUN 02 ERL
H= 23 57 04.2
LAT = 44.1 N
LONG= 83.6 E
DEPTH= 26 KM
MAGNITUDE= 5.8
NORTHERN SINKIANG PROV., CHINA

HOF	-I Z SL	P	00 05 39.-	1.5	2.70	5	5270	47.4	68.4	304.2
	+I Z SL	AP	00 05 46.-	2.0	3.50	9				
	-I Z SL	XP	00 05 49.-	2.0	3.17	9				
	-I Z SL	APP	00 07 37.-	2.0	3.17	2				
	+I Z SL	-	00 08 28.-	2.0	2.66	2				
	+I Z SL	-	00 12 37.-	2.0	2.77	7				
	Z SL	RM	00 26 00.-	13.0	4.72					
HAM	I Z SX	P	00 05 39.4							
	I Z SX	AP	00 05 46.5			2 9	5270	47.4	70.0	308.8
GRF	+I Z BE	P	00 05 43.6	1.0	2.31	3	5340	48.0	67.5	303.6
	E Z BE	AP	00 05 51.4			9				
	E Z BE	-	00 06 05.0			9				
HLG	Z SL	P	00 05 52.8			4	5370	48.2	69.3	310.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	Z SL	PP	00 07 44.-			4				
	Z SL	RM	00 26 34.8	14.0						
FUR	+I Z SL	P	00 05 48.-	1.8	2.72	9	5400	48.5	66.3	301.7
	+I Z SL	-	00 05 52.-	1.9	2.37	4				
	-I Z SL	AP	00 05 55.-	2.0	3.29	8				
	-I Z SL	PCP	00 07 16.-	1.5	2.02	3				
	-I Z SL	PP	00 07 38.-	1.3	2.39	3				
	-I Z SL	PPP	00 08 27.-	1.8	2.30	7				
	-I Z SL	-	00 08 38.-	1.9	2.58	5				
	-I Z SL	-	00 08 50.-	1.8	2.48	4				
	+I Z SL	PS	00 13 02.-	1.5	1.89	2				
	E SL	RM	00 27 00.-	15.0	4.00					
TNS	I Z SL	P	00 06 01.0			3	5500	49.4	66.4	305.2
	I N SL	S	00 13 00.0			4				
STU	+E Z BE	P	00 05 54.5	1.0	2.50	3	5510	49.6	65.7	303.2
BNS	+I Z FS	P	00 05 57.2				5550	49.9	66.3	306.5
	-I Z FS	-	00 06 05.0	1.9	2.67					
	E Z FS	-	00 19 24.0							
	E Z FS	-	00 23 32.0	4.0	3.04					
KRL	-I Z WH	-	00 06 06.0	2.0		9	5550	49.9	65.5	303.7
BUH	+E Z GT	P	00 05 59.1				5580	50.2	65.1	303.4
	E Z GT	P	00 06 07.0							

JUN 04 ERL
H= 00 20 08.6
LAT = 40.1 N
LONG= 142.4 E
DEPTH= 58 KM
MAGNITUDE= 4.3
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	00 32 18.3			1	8980	80.8	35.8	330.3

JUN 04 ERL
H= 02 43 24.3
LAT = 33.3 N
LONG= 140.4 E
DEPTH= 62 KM
MAGNITUDE= 4.4
SOUTH OF HONSHU, JAPAN

GRF	E Z BE	P	02 55 58.5			1	9550	85.9	40.6	329.7

JUN 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	04 19 55.4							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
JUN 04										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	07 34 01.4							
JUN 04 ERL										
H= 09 23 40.1										
LAT = 23.4 S										
LONG= 179.9 W										
DEPTH=554 KM										
MAGNITUDE= 5.0										
SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	09 42 48.4			1	16950	152.4	22.5	344.3
JUN 04										
NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	10 01 55.1			1				
	E Z BE	PG	10 02 10.4							
	E N BE	SG	10 02 46.-			1				
JUN 04										
NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	11 27 16.9			1				
	E Z BE	PG	11 27 17.9			1				
	E N BE	SG	11 27 38.4			1				
JUN 04										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	Z SL	MAXIMUM	14 47 33.-	1.9	1.89					
JUN 04										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	-	15 53 46.-							
	E Z FS	-	15 53 54.-							
JUN 05 EPL										
H= 02 07 12.5										
LAT = 17.3 S										
LONG= 167.8 E										
DEPTH= 12 KM										
MAGNITUDE= 5.2										
NEW HEBRIDES ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
FUR	-E Z SL	PKP1	02 26 50.-	1.5	1.36	2	15980	143.7	40.0	333.2
	+I Z SL	XPKP	02 26 58.-	1.8	1.95	2				
BUH	E Z GT	PKP	02 26 48.5				16070	144.6	35.1	336.5
	E Z GT	PKP	02 26 59.9							
JUN 05 ERL										
H= 02 58 15.3										
LAT = 54.0 N										
LONG= 164.0 W										
DEPTH= 17 KM										
MAGNITUDE= 4.8										
UNIMAK ISLAND REGION										
GRF	E Z BE	P	03 10 06.0			1	8510	76.6	357.1	3.2
BUH	E Z GT	P	03 10 11.0				8610	77.5	355.3	5.2
JUN 05 ERL										
H= 03 12 25.8										
LAT = 17.2 S										
LONG= 167.8 E										
DEPTH= 24 KM										
MAGNITUDE= 5.6										
NEW HEBRIDES ISLANDS										
HOF	+E Z SL	PKP1	03 31 54.-	7.5	3.57	2	15760	141.7	39.0	335.0
	+I Z SL	PP	03 34 52.-	8.5	3.66	4				
GRF	E Z BE	PKP	03 31 55.4			1	15840	142.5	38.6	334.9
BNS	+E Z FS	PKP	03 31 55.0	3.0	2.49		15890	142.9	31.7	339.6
	+I Z SL	-	03 31 55.-	16.0						
	I Z FS	-	03 32 09.0	3.0						
	E Z SL	PP	03 35 10.-							
	E Z SL	LP	04 30 30.-	23.0						
	Z SL	-	04 34 00.-	24.0						
FUR	+E Z SL	PKP1	03 31 58.-	1.9	2.22	2	15970	143.6	39.9	333.3
	+I Z SL	APKP	03 32 04.-	1.8	2.46	2				
	+I Z SL	XPKP	03 32 09.-	1.3	2.09	3				
	-I Z SL	-	03 32 20.-	1.5	2.14	4				
STU	+E Z BE	PKP	03 31 56.0	18.0	3.77	3	16010	144.0	36.4	335.8
KRL	-E Z WH	PKP	03 32 03.8			3	16030	144.1	35.0	336.7
BUH	E Z GT	PKP	03 32 00.0				16060	144.5	35.0	336.6
	E Z GT	PKP	03 32 15.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 05 ERL H= 03 33 58.2 LAT = 17.2 S LONG= 167.7 E DEPTH= 15 KM NEW HEBRIDES ISLANDS										
FUR	-E Z SL	PKP1	03 53 34.-	1.5	1.28	1	15970	143.6	40.1	333.2
JUN 05 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	05 10 16.2							
JUN 05 ERL H= 05 25 55.0 LAT = 17.4 S LONG= 167.7 E DEPTH= 14 KM MAGNITUDE= 4.5 NEW HEBRIDES ISLANDS										
BUH	E Z GT	PKP	05 45 30.6				16080	144.6	35.3	336.4
JUN 05 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	05 39 07.5			2				
JUN 05 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	06 04 58.4							
JUN 05 ERL H= 07 35 35.3 LAT = 17.4 S LONG= 167.7 E DEPTH= 15 KM MAGNITUDE= 4.7 NEW HEBRIDES ISLANDS										
FUR	+E Z SL	PKP1	07 55 11.-	1.5	1.28	2	15980	143.7	40.2	333.1
	-I Z SL	APKP	07 55 22.-	1.8	2.00	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 05 ERL H= 09 04 32.9 LAT = 17.3 S LONG= 167.8 E DEPTH= 21 KM MAGNITUDE= 5.0 NEW HEBRIDES ISLANDS										
FUR	-I Z SL	PKP1	09 24 08.-	1.5	1.54	2	15990	143.8	40.1	333.2
BUH	E Z GT	PKP	09 24 07.7				16080	144.6	35.1	336.5
JUN 05 ERL H= 13 47 24.1 LAT = 44.7 N LONG= 9.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 NORTHERN ITALY										
JUN 05 BCS H= 13 47 27.0 LAT = 44.7 N LONG= 9.3 E NORTHERN ITALY										
FUR	-E Z SL	PN	13 48 30.-	1.3	1.59	3	410	3.7	199.8	18.6
	-I Z SL	-	13 48 35.-	1.8	2.38	3				
	+I Z SL	SN	13 49 21.-	1.5	1.89	2				
	+I Z SL	SB	13 49 31.-	1.5	2.13	3				
	Z SL	MAXIMUM	13 50 00.-	1.5	2.36					
BUH	E Z GT	PN	13 48 25.0				460	4.1	167.1	348.0
STU	E Z BE	PG	13 48 42.0	1.0	1.97	2	460	4.1	176.3	357.0
KRL	-I Z ST	SG	13 49 49.8	1.5		6	490	4.4	169.7	350.5
GRF	E Z BE	PN	13 48 40.4			1	570	5.2	193.7	12.4
HOF	+I Z SL	PN	13 49 02.-	3.5	2.55	3	650	5.9	196.7	15.0
	+I Z SL	SB	13 50 40.-	2.3	2.88	2				
	+I Z SL	SG	13 51 03.-	2.0	2.77	3				
BNS	E Z FS	-	13 50 23.-				720	6.5	165.1	346.8
JUN 05 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 00 14.4			2				
	E N BE	SG	14 00 29.4			2				
JUN 05 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	14 06 44.0			1				
	E N BE	S	14 07 15.2			1				

JUN 05 ERL
H= 17 00 00.2
LAT = 37.2 N
LONG= 116.2 W
DEPTH= 0 KM
MAGNITUDE= 5.1
SOUTHERN NEVADA

NOS= 37 DEG. 11 MIN. 06.1 SEC. N., 116 DEG. 12 MIN. 54.35 SEC. W.,
NEVADA TEST SITE, (AEC). MAG. 4.8 (BRK).

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	17 12 21.5			1	9100	81.8	320.2	31.4
FUR	+I Z SL	P	17 12 30.-	1.5	1.23	2	9230	83.0	320.3	32.4

JUN 05 ERL
H= 22 52 26.7
LAT = 38.4 N
LONG= 142.2 E
DEPTH= 44 KM
MAGNITUDE= 4.7
NEAR EAST COAST OF HONSHU, JAPAN

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	23 04 45.2			1	9140	82.2	36.8	330.4

JUN 06 ERL
H= 02 15 41.9
LAT = 39.7 N
LONG= 74.8 E
DEPTH= 20 KM
MAGNITUDE= 4.7
SOUTHERN SINKIANG PROV., CHINA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	02 23 58.4			1	5010	45.0	77.5	304.7

JUN 06 ERL
H= 03 47 18.2
LAT = 43.8 N
LONG= 147.1 E
DEPTH= 75 KM
MAGNITUDE= 4.4
KURIL ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	03 59 17.2			1	8810	79.2	30.8	332.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUN 06 ERL
H= 07 11 00.0
LAT = 17.4 S
LONG= 167.6 E
DEPTH= 8 KM
MAGNITUDE= 4.7
NEW HEBRIDES ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	PKP1	07 30 36.-	1.8	1.78	1	15990	143.8	40.4	333.0
	+E Z SL	PP	07 33 56.-	2.0	1.80	2				
BUH	E Z GT	PKP	07 30 36.5				16080	144.6	35.5	336.2

JUN 06
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	P	10 24 31.-	2.0	1.88	6				

JUN 06 ERL
H= 13 00 00.1
LAT = 37.2 N
LONG= 116.3 W
DEPTH= 0 KM
MAGNITUDE= 6.1
SOUTHERN NEVADA

NOS= 37 DEG. 14 MIN. 42.22 SEC N, 116 DEG. 20 MIN. 45.67 SEC. W.,
NEVADA TEST SITE. (AEC). MAG. 5.9 (BRK).

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	P	13 12 07.0	1.6	2.71		8800	79.2	317.4	32.5
	E Z FS	-	13 13 48.8							
	E Z FS	-	13 15 37.2							
KRL	-I Z WH	P	13 12 19.0	2.5		9	9020	81.1	318.4	33.2
BUH	+I Z GT	P	13 12 18.5				9040	81.3	318.3	33.5
HOF	-I Z SL	P	13 12 19.-	2.0	3.17	9	9080	81.6	320.7	30.6
	-I Z SL	PCP	13 12 26.-	2.0	2.62	1				
	-I Z SL	PP	13 15 24.-	2.0	2.62	5				
STU	+I Z BE	P	13 12 20.0	1.0	2.39	5	9080	81.7	319.0	33.0
GRF	E Z BE	P	13 12 21.5				9100	81.8	320.3	31.3
FUR	+I Z SL	P	13 12 27.-	1.5	2.63	9	9230	83.0	320.4	32.3
	-I Z SL	-	13 12 49.-	1.5	1.93	2				
	+I Z SL	-	13 13 07.-	1.5	1.98	3				
	+I Z SL	-	13 13 50.-	1.5	1.76	3				
	+I Z SL	-	13 14 12.-	1.5	1.84	4				
	-I Z SL	-	13 14 47.-	1.5	1.89	4				
	+I Z SL	PP	13 15 40.-	1.5	1.54	9				

JUN 06
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z JM	PN	14 12 10.5			1				
	E Z BE	PG	14 12 13.0			1				
	E N BE	SG	14 12 33.6			1				

JUN 06
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	P	15 02 06.-	2.0	2.05	5				

JUN 06 ERL
H= 15 51 17.1
LAT = 36.3 N
LONG= 70.6 E
DEPTH=220 KM
MAGNITUDE= 5.1
HINDU KUSH REGION

NOS= FELT (III) AT KOHAT, PAKISTAN.

GRF	E Z BE	P	15 59 08.2			1	4930	44.3	84.2	306.9

JUN 06
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	+I Z FS	PG	15 57 26.8							
	E E X	SG	15 57 31.-							
	E Z FS		15 57 35.-	1.0	2.23					

JUN 06 STU
H= 16 22 16.5
LAT = 48.4 N
LONG= 8.6 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

QUARRYBLAST NEAR SULZ/NECKAR, BADEN-WUERTTEMBERG. H= 16 22 16.526,
48 DEG. 23 MIN. 11.489 SEC. N, 8 DEG. 35 MIN. 31.944 SEC. E, CHARGE= 2T.

BUH	+I Z GT	PG	16 22 24.0				40	0.4	139.9	320.2
GRF	E Z JM	PN	16 22 57.7			1	240	2.2	234.0	52.0
	E Z BE	PG	16 23 00.5			1				
	E E BE	SG	16 23 25.4			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

JUN 06 ERL
H= 18 01 17.8
LAT = 17.5 S
LONG= 167.7 E
DEPTH= 21 KM
MAGNITUDE= 4.9
NEW HEBRIDES ISLANDS

BUH	E Z GT	PKP	18 20 52.9				16090	144.7	35.3	336.3

JUN 06 BCS
H= 20 37 45.0
LAT = 45.7 N
LONG= 12.0 E
NORTHERN ITALY

JUN 06 ERL
H= 20 37 45.6
LAT = 45.5 N
LONG= 12.0 E
DEPTH= 30 KM
MAGNITUDE= 4.0
NORTHERN ITALY

NOS= FELT AT PADOVA.

FUR	-E Z SL	PB	20 38 36.-	1.0	1.98	2	280	2.5	168.4	348.9
	+I Z SL	PG	20 38 45.-	1.3	1.93	1				
	+I Z SL	SN	20 39 04.-	1.3	1.89	2				
	+I Z SL	SB	20 39 11.-	1.3	1.93	3				
	+I Z SL	SG	20 39 20.-	1.3	2.14	4				
	Z SL	MAXIMUM	20 39 53.-	1.5	2.26					
BUH	E Z GT	PN	20 38 46.9				440	3.9	137.8	320.5
GRF	E Z JM	PN	20 38 50.2			1	450	4.0	172.2	352.8
	E Z BE	PG	20 39 03.8			1				
	E N BE	SG	20 39 58.-							
HOF	+E Z SL	PN	20 39 01.-	4.0	2.62	1	510	4.6	178.9	359.0
	-I Z SL	SG	20 40 20.-	1.5	2.56	1				

JUN 06 ERL
H= 21 11 20.5
LAT = 42.4 N
LONG= 18.6 E
DEPTH= 16 KM
MAGNITUDE= 4.6
YUGOSLAVIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 06 BCS H= 21 11 21.0 LAT = 42.4 N LONG= 18.7 E YUGOSLAVIA										
BCIS= FELT (VI-VII) AT HERLEG NOVI.										
FUR	-E Z SL	PN	21 13 16.-	1.5	1.18	4	860	7.8	135.4	320.6
	+I Z SL	PB	21 13 40.-	1.5	1.59	3				
	-I Z SL	PG	21 14 19.-	1.5	1.66	2				
	-I Z SL	SN	21 14 57.-	1.5	1.84	3				
	+I Z SL	SB	21 15 16.-	1.5	1.89	4				
	-I Z SL	SG	21 15 35.-	1.8	2.48	4				
	Z SL	MAXIMUM	21 16 25.-	1.5	2.40					
GRF	E Z BE	P	21 13 31.2	0.8	1.10		1000	9.0	142.0	327.4
HOF	+E Z SL	P	21 13 42.-	1.5	2.22	5	1020	9.2	146.9	331.8
	+I Z SL	S	21 15 18.-	1.5	2.37	7				
	-I Z SL	-	21 15 53.-	1.5	2.48	2				
	Z SL	QM	21 17 20.-	6.0	2.41					
BUH	E Z GT	PN	21 13 40.3				1070	9.6	126.9	314.3
BNS	E Z FS	PN	21 14 14.5				1290	11.6	133.1	321.5
	E Z FS	-	21 14 25.5							
	E E X	SN	21 16 15.5							
	E Z FS	SG	21 17 38.-							
	E E X	-	21 17 45.5	1.6	2.04					
	E N X	-	21 17 49.-	1.6	2.08					
	Z SL	-	21 19 05.-	7.0						
JUN 06 ERL H= 21 26 40.5 LAT = 17.4 S LONG= 167.6 E DEPTH= 5 KM NEW HEBRIDES ISLANDS										
FUP	+I Z SL	PKP1	21 46 22.-	1.0	1.98	5	15930	143.8	40.4	333.0
	-I Z SL	-	21 47 07.-	1.7	1.81	8				
JUN 07 ERL H= 00 06 05.5 LAT = 35.1 N LONG= 27.2 E DEPTH= 60 KM MAGNITUDE= 3.8 DODECANESE ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 07 BCS H= 00 06 07.0 LAT = 35.1 N LONG= 27.1 E DODECANESE ISLANDS										
GRF	E Z BE	P	00 10 33.-			1	2080	18.7	135.2	326.1
JUN 07 ERL H= 02 43 31.4 LAT = 53.9 S LONG= 159.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.8 MACQUARIE ISLANDS REGION										
GRF	E Z BE	PKP	03 04 05.6	0.8	1.27	1	17790	160.0	114.4	270.8
JUN 07 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	P	04 47 40.-	1.5	1.28	5				
	+E Z SL	-	04 48 22.-	1.8	1.70	5				
JUN 07 ERL H= 06 22 01.9 LAT = 22.4 N LONG= 121.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 TAIWAN REGION										
FUR	+I Z SL	P	06 34 44.-	1.5	1.49	1	9560	85.9	60.8	320.8
	-E Z SL	PCP	06 34 48.-	2.0	1.94	2				
JUN 07 NO DETERMINATION OF EPICENTER FUR= LOCAL.										
FUR	+E Z SL	P	07 55 56.-	1.0	1.88	4				
	Z SL	MAXIMUM	07 56 20.-	1.5	1.59					
JUN 07 NO DETERMINATION OF EPICENTER FUR= LOCAL.										
FUR	+E Z SL	-	13 50 36.-	1.5	1.18	4				
	Z SL	MAXIMUM	13 51 32.-	1.5	1.59					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 07										
NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	13 58 37.3			1				
	E Z BE	PG	13 58 38.2			2				
	E N BE	SG	13 59 01.7							
JUN 07										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	14 05 01.8			1				
	E N BE	SG	14 05 17.4			2				
JUN 07 ERL										
H= 18 32 42.9										
LAT = 14.3 N										
LONG= 92.0 W										
DEPTH= 78 KM										
MAGNITUDE= 5.5										
NEAR COAST OF CHIAPAS, MEXICO										
BNS	+I Z FS	P	18 45 09.8	2.6	2.00		9420	84.7	286.0	38.8
	+I Z SL	-	18 45 10.0	12.0						
	+I Z FS	PP	18 47 14.0	3.0	2.28					
	+I Z SL	-	18 47 14.-	20.0						
	E Z SL	S	18 56 44.-							
	E Z SL	LR	19 14 00.-	44.0						
	Z SL	-	19 25 40.-	20.0						
HAM	E Z SX	P	18 45 16.-			1	9520	85.6	287.9	35.9
TNS	E Z SL	P	18 45 15.4			3	9530	85.7	287.0	39.3
BUH	E Z GT	P	18 45 15.8				9570	86.0	287.0	40.8
STU	+E Z BE	P	18 45 18.5	1.0	1.97	2	9630	86.6	287.7	40.6
GRF	E Z BE	P	18 45 24.7	0.8	1.57	1	9740	87.6	289.2	39.3
HOF	-E Z SL	P	18 45 25.-	5.0	3.18	8	9760	87.8	289.6	38.5
	Z SL	RM	19 28 45.-	18.0	4.80					
FUR	-I Z SL	P	18 45 28.-	1.5	1.43	7	9800	88.1	289.3	40.7
	Z SL	RM	19 29 40.-	17.0	4.31					
JUN 07 EPL										
H= 18 34 46.3										
LAT = 14.2 N										
LONG= 91.9 W										
DEPTH= 70 KM										
MAGNITUDE= 5.7										
GUATEMALA										
TNS	E Z SL	P	18 47 19.9				9530	85.7	286.9	39.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	18 47 20.0				9570	86.0	286.8	40.8
GRF	E Z BE	P	18 47 28.0	0.9	1.80	1	9740	87.6	289.0	39.3
HOF	-E Z SL	P	18 47 30.-	5.0	3.30	9	9760	87.8	289.5	38.5
	+I Z SL	AP	18 47 52.-	6.0	3.37	9				
	+I Z SL	XP	18 48 00.-	4.0	2.84	9				
	+E Z SL	XPP	18 51 19.-	6.0	3.25	9				
FUR	+I Z SL	P	18 47 30.-	1.5	1.28	2	9800	88.1	289.1	40.7
	-I Z SL	PCP	18 47 33.-	1.5	1.49	8				
	-I Z SL	AP	18 47 54.-	2.0	2.21	4				
	-I Z SL	-	18 48 11.-	1.8	2.05	9				
	-I Z SL	-	18 49 52.-	2.0	2.33	3				
JUN 07 ERL										
H= 18 55 43.4										
LAT = 22.1 S										
LONG= 176.8 W										
DEPTH=220 KM										
MAGNITUDE= 5.2										
SOUTH OF FIJI ISLANDS										
HAM	E Z SX	PKP	19 15 05.-			2	16430	148.3	11.8	352.4
BNS	-I Z FS	PKP	19 15 11.9	2.2	1.85		16800	151.1	7.5	354.9
HOF	+E Z SL	PKP1	19 15 11.-	2.0	2.80	9	16800	151.1	16.7	348.5
	+E Z SL	APKP	19 17 02.-	2.0	2.53	4				
GRF	E Z BE	PKP	19 15 13.7	0.6	1.09	1	16880	151.8	15.8	349.0
	+I Z BE	-	19 15 23.3			3				
FUR	+I Z SL	PKP1	19 15 17.-	2.0	2.05	3	17040	153.3	16.7	348.0
	+I Z SL	PKHKP	19 15 29.-	1.7	2.09	9				
JUN 07										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	19 35 16.6							
	E Z GT	P	19 35 28.9							
JUN 07 ERL										
H= 19 45 43.0										
LAT = 14.4 N										
LONG= 92.0 W										
DEPTH= 97 KM										
MAGNITUDE= 5.1										
NEAR COAST OF CHIAPAS, MEXICO										
BUH	E Z GT	P	19 58 13.2				9550	85.9	287.0	40.8
GRF	E Z BE	P	19 58 22.2	0.8	1.10	1	9730	87.5	289.2	39.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 08 ERL										
H= 00 23 05.4										
LAT = 45.4 N										
LONG= 151.0 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
KURIL ISLANDS										
GRF	E Z BE	P	00 35 08.0	0.5	0.85	1	8790	79.0	27.6	334.7
JUN 08 ERL										
H= 01 01 11.4										
LAT = 17.5 S										
LONG= 167.7 E										
DEPTH= 21 KM										
MAGNITUDE= 5.2										
NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	01 20 42.3			1	15870	142.7	38.9	334.7
BNS	E Z FS	PKP	01 20 42.-	1.4	1.48		15920	143.2	32.0	339.5
	E Z FS	-	01 24 33.5							
FUR	-I Z SL	PKP1	01 20 45.-	1.3	2.20	4	16000	143.8	40.3	333.0
	-I Z SL	XPKP	01 20 59.-	1.9	2.22	3				
	-E Z SL	PP	01 24 09.-	1.9	1.83	1				
KPL	-E Z ST	PKP	01 20 48.2	1.2		5	16050	144.3	35.3	336.5
							16090	144.7	35.3	336.3
BUH	E Z GT	PKP	01 20 47.9							
JUN 08 ERL										
H= 05 07 23.0										
LAT = 17.5 S										
LONG= 167.6 E										
DEPTH= 9 KM										
NEW HEBRIDES ISLANDS										
							16090	144.7	35.5	336.2
BUH	E Z GT	PKP	05 27 00.9							
JUN 08 ERL										
H= 10 24 48.1										
LAT = 36.1 N										
LONG= 140.0 E										
DEPTH= 80 KM										
MAGNITUDE= 4.8										
NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	10 37 07.7	0.6	1.09	1	9260	83.3	39.4	329.4
JUN 08										
NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	-	14 59 38.5							
	I Z FS	-	14 59 44.0	1.4	1.78					
JUN 08 ERL										
H= 17 17 50.8										
LAT = 55.0 N										
LONG= 159.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.3										
KAMCHATKA										
GRF	E Z BE	P	17 29 16.3			1	8050	72.4	18.6	339.0
JUN 08										
NO DETERMINATION OF EPICENTER										
BUH	-I Z GT	PG	19 11 15.0							
JUN 08 ERL										
H= 19 19 24.4										
LAT = 17.6 S										
LONG= 167.7 E										
DEPTH= 11 KM										
MAGNITUDE= 4.9										
NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	19 38 56.8			1	15880	142.8	39.1	334.6
FUR	-E Z SL	PKP1	19 39 06.-	2.0	2.00	2	16010	143.9	40.5	332.9
BUH	E Z GT	PKP	19 39 02.0				16100	144.8	35.5	336.2
JUN 08 ERL										
H= 19 30 42.5										
LAT = 17.5 S										
LONG= 167.7 E										
DEPTH= 23 KM										
MAGNITUDE= 4.5										
NEW HEBRIDES ISLANDS										
FUR	-E Z SL	PKP1	19 50 16.-	1.3	1.83	6	16000	143.9	40.4	333.0
BUH	E Z GT	PKP	19 50 18.2				16090	144.7	35.5	336.2
JUN 08 ERL										
H= 21 49 56.8										
LAT = 26.6 N										
LONG= 61.0 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.6										
SOUTHERN IRAN										
GRF	E Z BE	P	21 58 07.0			1	4940	44.5	102.4	314.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
[illegible]										
BUH	E Z GT	P	11 10 37.5				9570	86.1	236.7	40.3
GRF	E Z BE	P	11 10 46.0			1	9750	87.6	288.9	39.3
[illegible]										
GRF	E Z BE	P	11 55 13.8	0.6	1.17	1	8950	80.4	27.7	335.2
[illegible]										
GRF	E Z BE	P	14 27 59.4			1	5440	49.0	71.6	305.5
	E Z BE	-	14 28 01.6			2				
[illegible]										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 09 ERL										
H= 04 27 02.8										
LAT = 17.5 S										
LONG= 167.7 E										
DEPTH= 27 KM										
MAGNITUDE= 5.0										
NEW HEBRIDES ISLANDS										
BUH	E Z GT	PKP	04 46 38.5				16090	144.6	35.4	336.3
JUN 09 ERL										
H= 08 18 32.5										
LAT = 39.4 N										
LONG= 95.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
KANSU PROVINCE, CHINA										
GRF	E Z BE	P	08 28 23.7			1	6440	57.9	65.5	310.3
FUR	-I Z SL	P	08 28 29.-	1.8	2.00	5	6500	58.5	64.7	308.6
	-E Z SL	-	08 28 32.-	1.3	1.73	2				
	+E Z SL	-	08 28 46.-	1.5	1.28	2				
JUN 09 ERL										
H= 08 21 27.3										
LAT = 10.3 S										
LONG= 161.4 E										
DEPTH= 70 KM										
MAGNITUDE= 6.3										
SOLOMON ISLANDS										
HLG	Z SL	PKP	08 40 32.-			3	14610	131.4	35.9	339.5
HOF	-I Z SL	PKP1	08 40 36.-	3.0	3.14	9	14770	132.8	43.0	333.6
	-I Z SL	APKP	08 40 57.-	2.5	3.36	5				
	+I Z SL	PP	08 42 53.-	4.0	3.44	9				
	+I Z SL	APP	08 43 20.-	3.7	3.57	3				
	+I Z SL	SKP	08 43 59.-	7.0	3.81	3				
	+I Z SL	-	08 44 27.-	4.0	3.32	3				
GRF	E Z BE	PKP1	08 40 27.6			1	14850	133.6	42.6	333.5
	E Z BE	PKP2	08 40 39.1			1				
	E Z BE	APKP	08 40 57.9			2				
	E Z BE	PP	08 43 07.1			2				
BNS	+I Z FS	PKP	08 40 38.0	3.1	2.34		14930	134.2	36.7	337.4
	+I Z FS	-	08 40 38.-							
	E Z FS	APKP	08 40 56.3							
	E Z SL	PP	08 43 08.-							
	E Z SL	-	08 55 03.-							
	E Z SL	LR	09 24 00.-	56.0						
	Z SL	-	09 32 00.-	28.0						
TNS	+E Z B	PKP	08 40 38.5			2	14940	134.3	38.8	335.9
	E Z B	PP	08 43 10.0			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z B	PKS	08 43 40.0							
FUR	+I Z SL	PKP1	08 40 39.-	2.0	2.50	9	14970	134.7	43.6	332.0
	+I Z SL	APKP	08 41 01.-	2.0	2.91	9				
	+I Z SL	PP	08 43 12.-	1.9	2.22	2				
	+I Z SL	APP	08 43 33.-	1.5	2.24	3				
	+I Z SL	XPP	08 43 41.-	2.2	2.79	7				
	-I Z SL	-	08 44 42.-	2.6	3.02	4				
	+I Z SL	PPP	08 46 10.-	2.0	2.40	3				
	+I Z SL	-	08 46 37.-	3.0	2.90	5				
	-I Z SL	SKSP	08 53 04.-	2.0	2.10	2				
	+I Z SL	SP	08 53 20.-	1.8	2.15	5				
KRL	+E Z WH	PKP	08 40 40.0	3.0		5	15040	135.3	39.5	334.8
	+I Z WH	PP	08 43 18.0	4.0		5				
BUH	E Z GT	PKP	08 40 27.1				15080	135.6	39.5	334.6
	E Z GT	PKP	08 40 40.0							
	E Z GT	PKP	08 40 58.6							

JUN 09
NO DETERMINATION OF EPICENTER

BNS	E Z FS	P	15 47 22.8							

JUN 09 ERL
H= 19 09 33.1
LAT = 36.2 N
LONG= 28.4 E
DEPTH= 58 KM
MAGNITUDE= 4.1
DODECANESE ISLANDS

GRF	E Z BE	P	19 13 45.1			1	2040	18.4	130.8	322.5
BUH	E Z GT	P	19 13 57.5				2150	19.3	122.7	316.4

JUN 09 BCS
H= 20 36 12.0
LAT = 27.8 N
LONG= 52.4 E
SOUTHERN IRAN

JUN 09 ERL
H= 20 36 12.3
LAT = 27.8 N
LONG= 52.1 E
DEPTH= 32 KM
MAGNITUDE= 4.7
SOUTHERN IRAN

FUR	-E Z SL	P	20 43 24.-	1.7	1.91	9	4190	37.7	107.6	313.9
	-I Z SL	APCP	20 45 53.-	1.5	1.28	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	20 43 28.8			1	4250	38.2	109.4	316.3

JUN 09 ERL
H= 21 57 14.1
LAT = 11.6 N
LONG= 95.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
ANDAMAN ISLANDS REGION

GRF	E Z BE	P	22 09 07.4	1.0	1.31	1	8600	77.3	87.1	318.6
	E Z BE	-	22 09 16.0			1				
FUR	-E Z SL	P	22 09 16.-	1.5	1.28	5	8600	77.3	86.8	317.0
	+E Z SL	XP	22 09 31.-	2.0	1.80	3				
BUH	E Z GT	P	22 09 17.5				8820	79.3	84.6	317.7

JUN 09 ERL
H= 22 45 58.9
LAT = 52.9 N
LONG= 160.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
OFF EAST COAST OF KAMCHATKA

HOF	-I Z SL	P	22 57 31.-	1.5	2.82	4	8200	73.7	19.4	339.4
	+E Z SL	PCP	22 57 45.-	1.5	2.52	9				
BNS	I Z FS	P	22 57 32.5	1.0	1.90		8230	74.0	16.7	342.6
GRF	+I Z BE	P	22 57 36.1	0.9	2.31	3	8280	74.4	19.0	339.6
STU	+E Z BE	P	22 57 42.6	1.0	2.16	3	8420	75.7	17.7	340.6
FUR	+I Z SL	P	22 57 44.-	1.5	1.98	9	8440	75.9	18.9	339.0
	+I Z SL	XP	22 57 58.-	1.8	1.95	3				
	+E Z SL	-	22 58 16.-	1.9	2.00	9				
BUH	+I Z GT	P	22 57 44.5				8450	76.0	17.1	341.2

JUN 09 ERL
H= 23 58 47.2
LAT = 53.1 N
LONG= 160.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	00 10 23.2	0.7	1.00	1	8250	74.2	18.9	339.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 10 ERL H= 16 08 42.2 LAT = 39.5 N LONG= 74.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 SOUTHERN SINKIANG PROV., CHINA										
GRF	+E Z BE	P	16 16 57.9	0.8	1.57	2	5020	45.1	77.8	304.8
	E Z BE	-	16 17 03.4			2				
FUR	+I Z SL	P	16 17 01.-	1.7	1.69	6	5050	45.4	76.3	302.7
	-E Z SL	AP	16 17 08.-	2.0	1.88	2				
BUH	E Z GT	P	16 17 14.0				5260	47.3	75.0	304.1
JUN 10 ERL H= 16 42 14.5 LAT = 1.4 S LONG= 67.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 CARLSBERG RIDGE										
GRF	E Z BE	P	16 53 23.0			1	7770	69.9	117.9	325.0
JUN 10 ERL H= 20 12 42.1 LAT = 27.7 N LONG= 56.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 SOUTHERN IRAN										
GRF	E Z BE	P	20 20 21.-			1	4520	40.7	105.7	315.2
JUN 11 ERL H= 03 15 39.3 LAT = 46.2 N LONG= 16.1 E DEPTH= 11 KM MAGNITUDE= 4.5 YUGOSLAVIA										
JUN 11 BCS H= 03 15 42.0 LAT = 46.2 N LONG= 16.1 E YUGOSLAVIA										
BCIS= FELT (VI-VII) AT IVANEC (46 DEG. 15 MIN. N, 16 DEG. 10 MIN. E) (IV-V) AT ORMOZ (ZAG). FELT ALSO AT KREPINA, VERAZOPIN, LEPOGLAVA AND TREKOSFEN (LJU).										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-I Z SL	PN	03 16 41.-	1.6	1.85	9	430	3.8	119.2	302.7
	-I Z SL	PB	03 16 53.-	1.5	2.14	6				
	+I Z SL	PG	03 17 06.-	1.7	2.56	8				
	+I Z SL	SN	03 17 30.-	1.1	2.63	9				
	-I Z SL	SB	03 17 45.-	1.6	2.26	7				
	+I Z SL	SG	03 17 52.-	1.5	2.13	9				
	Z SL	MAXIMUM	03 18 25.-	2.0	3.35					
GRF	E Z BE	P	03 16 52.4	0.9	1.10	1	530	4.8	135.1	318.7
	E Z JM	-	03 17 12.6			2				
	E N BE	S	03 18 17.-							
HOF	-E Z SL	PB	03 16 57.-	1.5	2.42	2	560	5.0	144.1	327.2
	+I Z SL	SN	03 17 37.-	1.5	2.42	2				
	-I Z SL	SG	03 18 01.-	1.5	2.70	3				
	Z SL	MAXIMUM	03 18 27.-	2.0	3.50					
STU	E Z BE	PN	03 16 00.0	0.7	1.81	2	590	5.3	116.3	301.4
	E N BE	SN	03 16 58.5	0.5	2.31					
BUH	E Z GT	PN	03 17 07.5				650	5.9	112.0	297.8
KRL	+I Z WH	SN	03 18 20.0	1.0		7	660	5.9	115.6	301.3
TNS	+E Z B	PN	03 17 16.8			7	720	6.5	125.4	311.1
	Z B	PB	03 17 36.3							
	E Z B	SN	03 18 25.3			9				
	E Z B	SB	03 18 51.0			7				
BNS	+I Z FS	PN	03 17 32.5	0.6	1.78		840	7.6	125.5	312.2
	I N X	SN	03 18 52.7							
	E N X	SG	03 19 49.-	1.8	2.60					
	E E X	-	03 19 54.-	2.0	2.60					
	Z SL	-	03 20 40.-	8.0						
JUN 11 ERL H= 08 42 04.0 LAT = 53.7 N LONG= 161.6 E DEPTH= 30 KM MAGNITUDE= 5.6 OFF EAST COAST OF KAMCHATKA										
HLG	Z SL	P	08 53 17.0			3	7820	70.3	16.2	343.3
HOF	-I Z SL	P	08 53 34.-	4.0	2.80	9	8150	73.3	13.2	340.3
	+I Z SL	XP	08 53 47.-	3.0	3.26	2				
	-I Z SL	PCP	08 53 50.-	4.0	3.44	1				
	Z SL	RM	09 32 20.-	17.0	4.67					
BNS	+I Z FS	P	08 53 35.5	3.0	2.73		8180	73.5	15.5	343.5
	+I Z SL	-	08 53 36.-	12.0						
	E Z SL	PP	08 56 10.-							
	E Z SL	S	09 03 15.-							
	E Z SL	LR	09 17 20.-	50.0						
	Z SL	-	09 32 30.-	18.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
GRF	E Z BE	P	08 53 13.8			1	8230	74.0	17.8 340.5
	E Z BE	-	08 53 36.4			1			
	E Z BE	-	08 53 39.0			3			
TNS	1I Z SL	P	08 53 38.0			6	8230	74.0	16.2 342.4
	E N SL	S	09 03 28.0			2			
KRL	+I Z WH	P	08 53 46.0	4.0		9	8360	75.2	16.1 342.1
STU	E Z BE	P	08 53 45.0	0.9	2.13	2	8370	75.3	16.6 341.5
FUR	+I Z SL	P	08 53 47.-	2.0	2.27	5	8390	75.4	17.7 340.0
	-I Z SL	-	08 53 49.-	2.6	3.02	6			
	+I Z SL	AP	08 53 56.-	1.0	2.58	4			
	-I Z SL	PCP	08 53 58.-	1.5	1.76	2			
	Z SL	RM	09 33 30.-	15.0	4.35				
BUH	E Z GT	P	08 53 47.1				8400	75.5	16.0 342.1

JUN 11
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	10 28 05.7			1			
	E E BE	SG	10 28 29.2			2			

JUN 11 ERL
H= 20 06 07.1
LAT = 36.7 N
LONG= 71.3 E
DEPTH= 97 KM
MAGNITUDE= 4.9
AFGHANISTAN-USSR BORDER REGION

GRF	E Z BE	P	20 14 11.6			1	4950	44.5	83.3 306.6
FUR	+I Z SL	P	20 14 13.-	1.8	1.85	1	4970	44.7	81.8 304.4

JUN 12 ERL
H= 00 26 14.5
LAT = 53.7 N
LONG= 161.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.2
OFF EAST COAST OF KAMCHATKA

GRF	E Z BE	P	00 37 49.4			1	8230	74.0	17.8 340.5

JUN 12 ERL
H= 01 09 30.7
LAT = 53.7 N
LONG= 161.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.2
OFF EAST COAST OF KAMCHATKA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
GRF	E Z BE	P	01 21 05.0			1	8230	74.0	17.8 340.5

JUN 12 ERL
H= 01 34 20.6
LAT = 53.6 N
LONG= 161.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.2
OFF EAST COAST OF KAMCHATKA

GRF	E Z BE	P	01 45 55.4			1	8240	74.1	17.7 340.6

JUN 12 ERL
H= 03 36 56.4
LAT = 53.8 N
LONG= 161.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
OFF EAST COAST OF KAMCHATKA

GRF	E Z BE	P	03 48 29.0			1	8220	73.9	17.7 340.5

JUN 12 ERL
H= 06 44 01.9
LAT = 53.6 N
LONG= 161.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
OFF EAST COAST OF KAMCHATKA

GRF	E Z BE	P	06 55 36.4			2	8240	74.1	17.8 340.5
	E Z BE	-	06 55 49.4			1			
FUR	-E Z SL	P	06 55 45.-	1.1	1.86	1	8400	75.5	17.7 340.0
	+I Z SL	PCP	06 55 56.-	2.0	2.00	8			
	+E Z SL	APCP	06 56 06.-	1.5	1.28	5			
BUH	E Z GT	P	06 55 44.8				8410	75.6	16.0 342.2

JUN 12 ERL
H= 11 01 52.6
LAT = 34.2 N
LONG= 26.2 E
DEPTH= 54 KM
MAGNITUDE= 4.3
CRETE

JUN 12 BCS
H= 11 01 55.0
LAT = 34.2 N
LONG= 26.2 E
DEPTH= 50 KM
CRETE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-I Z SL	P	11 05 58.-	1.5	1.59	9	1980	17.8	135.9	325.8
	-I Z SL	-	11 06 05.-	1.8	1.85	1				
	+E Z SL	-	11 06 35.-	1.5	1.36	2				

JUN 12
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	Z SL	MAXIMUM	11 11 51.-	1.9	2.22					

JUN 12 ERL
H= 14 21 24.2
LAT = 53.6 N
LONG= 161.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
OFF EAST COAST OF KAMCHATKA

HOF	-I Z SL	P	14 32 54.-	4.0	3.32	8	8160	73.3	18.3	340.3
	+I Z SL	PCP	14 33 07.-	3.0	3.08	4				
	Z SL	RM	15 11 40.-	15.0	3.85					
BNS	I Z FS	P	14 32 55.0	1.8	2.11		8180	73.6	15.6	343.5
	E Z FS	-	14 33 09.-							
	Z SL	-	15 12 00.-	18.0						
GRF	+I Z BE	P	14 32 58.9	0.8	1.79	2	8240	74.1	17.8	340.5
	E Z BE	AP	14 33 05.6			1				
STU	+E Z BE	P	14 33 05.3	1.0	1.75	2	8380	75.3	16.6	341.5
FUR	+I Z SL	P	14 33 07.-	2.0	2.40	9	8400	75.5	17.7	340.0
	+I Z SL	AP	14 33 13.-	1.1	1.16	9				
	-I Z SL	PCP	14 33 19.-	2.0	2.35	1				
	+I Z SL	-	14 33 22.-	1.9	2.46	4				
	+I Z SL	APCP	14 33 28.-	1.5	1.96	3				
	N SL	RM	15 13 00.-	17.0	3.72					
BUH	E Z GT	P	14 33 07.0				8410	75.6	16.0	342.1

JUN 12 ERL
H= 15 24 42.1
LAT = 41.6 N
LONG= 139.2 E
DEPTH=139 KM
MAGNITUDE= 4.8
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	15 36 22.6			1	8700	78.3	37.1	328.5

JUN 12
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	16 40 14.5							

JUN 12 ERL
H= 21 02 56.9
LAT = 47.6 N
LONG= 15.3 E
DEPTH= 5 KM (GEOPHYSICIST)
MAGNITUDE= 4.8
AUSTRIA

JUN 12 BCS
H= 21 02 58.0
LAT = 47.5 N
LONG= 15.4 E
AUSTRIA

BCIS= MUERZTAL, STYRIA. MLGH= 4.0 (BNS).

FUR	+I Z SL	PN	21 03 45.-	1.5	1.43	7	310	2.8	100.8	283.8
	+I Z SL	PB	21 03 51.-	1.8	2.40	5				
	-I Z SL	PG	21 04 03.-	1.8	2.20	3				
	+I Z SL	SN	21 04 22.-	1.3	1.93	1				
	-I Z SL	SB	21 04 32.-	1.1	2.20	4				
	+I Z SL	SG	21 04 39.-	1.3	2.65	6				
	Z SL	MAXIMUM	21 05 25.-	1.5	2.54					
GRF	E Z BE	PN	21 03 53.2			2	380	3.5	126.4	309.4
	E Z BE	PG	21 04 05.0			2				
	E Z BE	-	21 04 51.-							
HOF	+I Z SL	PN	21 04 05.-	1.5	2.70	3	400	3.6	139.0	321.6
	-I Z SL	PB	21 04 10.-	1.5	2.67	1				
	-I Z SL	PG	21 04 27.-	1.5	2.52	1				
	+I Z SL	SN	21 04 51.-	1.5	3.26	6				
	+I Z SL	SB	21 05 09.-	1.0	3.10	3				
	+I Z SL	SG	21 05 14.-	1.5	3.07	2				
STU	+E Z BE	PN	21 04 04.3	0.5	1.71	2	480	4.3	104.0	288.6
KRL	+I Z ST	PG	21 04 33.0	3.5		4	540	4.8	104.7	289.3
BUH	E Z GT	PN	21 04 12.4				540	4.9	100.4	285.7
TNS	I Z B	PN	21 04 18.3			5	580	5.3	117.7	302.9
	I Z B	PG	21 04 41.8			4				
	I Z B	SN	21 05 13.3			7				
	I Z B	SG	21 05 54.3			9				
BNS	E Z FS	PN	21 04 32.5				700	6.3	119.3	305.5
	E N X	SN	21 05 43.7							
	E N X	SG	21 06 27.9	1.0	2.34					
	E E X	-	21 06 31.5	1.3	2.28					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 12 ERL H= 23 18 55.5 LAT = 46.6 N LONG= 27.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 NORTH ATLANTIC RIDGE										
JUN 12 BCS H= 23 19 11.0 LAT = 46.5 N LONG= 27.0 W NORTH ATLANTIC RIDGE										
BNS	E Z FS	P	23 24 01.-				2570	23.1	272.6	66.3
BUH	E Z GT	P	23 24 07.5				2670	24.0	278.5	71.8
GRF	E Z BE	P	23 24 23.6			1	2870	25.8	278.0	68.8
FUR	-I Z SL	P	23 24 28.-	1.8	1.85	9	2900	26.1	281.1	72.2
	+I Z SL	AP	23 24 36.-	1.5	1.66	2				
	+E Z SL	XP	23 24 40.-	1.5	1.49	3				
JUN 13 ERL H= 00 20 49.5 LAT = 47.0 N LONG= 151.0 E DEPTH=142 KM MAGNITUDE= 5.5 KURIL ISLANDS										
HOF	-I Z SL	P	00 32 26.-	2.0	3.04	5	8550	76.9	27.4	334.5
	+I Z SL	-	00 32 32.-	2.0	2.92	4				
	-I Z SL	PCP	00 32 36.-	2.0	2.80	3				
BNS	+I Z FS	P	00 32 30.8	1.2	2.23		8630	77.6	24.5	337.5
GRF	+I Z BE	P	00 32 31.4	1.0	2.21	3	8630	77.6	26.9	334.6
FUR	+I Z SL	P	00 32 38.-	1.5	2.24	9	8780	79.0	26.8	333.8
	-I Z SL	-	00 32 42.-	1.5	2.19	4				
	+I Z SL	AP	00 33 16.-	1.5	1.62	9				
	+I Z SL	APCP	00 33 25.-	1.5	1.59	5				
	-I Z SL	XP	00 33 32.-	1.5	1.59	1				
	-I Z SL	XPCP	00 33 42.-	1.3	1.89	9				
	+I Z SL	-	00 33 52.-	1.5	1.73	9				
STU	+E Z BE	P	00 32 38.5	1.0	2.19	4	8790	79.0	25.6	335.4
BUH	+I Z GT	P	00 32 40.6				8830	79.4	24.9	335.9
	I Z GT	P	00 32 44.0							
JUN 13 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	03 23 40.9							
JUN 13 ERL H= 06 26 47.3 LAT = 39.8 N LONG= 143.3 E DEPTH= 32 KM MAGNITUDE= 4.6 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	06 39 03.2			1	9050	81.4	35.3	330.8
JUN 13 ERL H= 06 41 27.3 LAT = 20.0 S LONG= 169.7 E DEPTH= 41 KM MAGNITUDE= 5.5 NEW HEBRIDES ISLANDS										
HOF	+I Z SL	PKP1	07 01 01.-	1.5	2.70	3	16130	145.0	38.3	335.0
	+I Z SL	-	07 01 07.-	3.0	2.18	4				
	-I Z SL	XPKP	07 01 14.-	3.0	2.03	2				
GRF	E Z BE	PKP	07 01 03.2			1	16210	145.8	37.9	334.9
BNS	I Z FS	PKP	07 01 04.3	2.5	2.23		16260	146.2	30.5	340.0
FUR	-I Z SL	PKP1	07 01 06.-	1.5	1.76	9	16340	147.0	39.4	333.1
	-I Z SL	PKP2	07 01 14.-	1.5	2.06	2				
	-I Z SL	XPKP	07 01 20.-	1.8	2.18	2				
	+I Z SL	XPKP	07 01 28.-	1.5	1.73	2				
STU	E Z BE	PKP	07 01 06.7	1.0	1.75	2	16380	147.3	35.5	335.3
BUH	E Z GT	PKP	07 01 08.4				16430	147.8	34.1	336.7
JUN 13 ERL H= 09 48 25.2 LAT = 19.2 S LONG= 169.7 E DEPTH= 24 KM MAGNITUDE= 5.7 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	10 08 01.3			1	16130	145.0	37.3	335.4
BNS	+I Z FS	PKP	10 08 02.5	2.3	2.18		16170	145.4	30.0	340.4
FUR	+E Z SL	PKP1	10 08 03.-	2.0	2.14	2	16260	146.2	38.7	333.7
BUH	E Z GT	PKP	10 08 06.9				16340	147.0	33.5	337.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 13										
NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	10 34 04.6							
	E N X	SG	10 34 10.3							
	E Z FS		10 34 16.0	1.1	1.85					
JUN 13										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	16 12 31.8			1				
JUN 13										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 22 13.7							
JUN 13										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	23 40 10.1							
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	00 19 32.2							
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	00 37 38.5							
GRF	E Z BE	PG	00 38 05.3			1				
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PG	00 46 14.3							
GRF	+I Z BE	PG	00 46 41.8			2				
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	00 43 55.6							
GRF	E Z BE	PG	00 49 22.3			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	01 03 51.0							
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	+I Z GT	PG	01 18 35.2							
GRF	E Z BE	PG	01 19 02.1			2				
	E N BE	SG	01 19 25.4			1				
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	01 39 48.0							
JUN 14 ERL										
H= 03 31 30.9										
LAT = 21.1 S										
LONG= 178.8 W										
DEPTH=593 KM										
MAGNITUDE= 5.2										
FIJI ISLANDS REGION										
BNS	-I Z FS	PKP	03 50 16.0	1.0	1.70		16660	149.8	11.1	352.5
GRF	E Z BE	PKP1	03 50 17.4	0.8	1.57	1	16720	150.4	19.1	346.8
	E Z BE	PKP2	03 50 26.8			2				
FUR	-I Z SL	PKP1	03 50 20.-	1.5	1.59	5	16830	151.3	20.2	345.7
	+I Z SL	PKHKP	03 50 33.-	1.1	2.20	6				
BUH	E Z GT	PKP	03 50 20.7				16890	151.9	14.0	350.1
	E Z GT	PKP	03 50 32.4							
JUN 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	03 58 05.6							
JUN 14 BCS										
H= 05 55 51.0										
LAT = 48.7 N										
LONG= 9.0 E										
GERMANY										

STU= NEAR ROTTENBURG, NORTHERN FORELAND OF THE SWABIAN JURA.
H= 05 55 51.5, 48 DEG. 29 MIN. N, 8 DEG. 56 MIN. E, DEPTH= 11 KM,ML=2.8.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	+I Z GT	PG	05 56 00.6				60	0.5	87.0	267.5
GRF	E Z BE	PN	05 56 22.0			1	200	1.8	236.6	54.9
	E Z BE	PG	05 56 27.2			1				
	E N BE	SG	05 56 50.9			1				

JUN 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	10 08 17.3			1				

JUN 14 ERL
H= 11 02 46.9
LAT = 7.3 S
LONG= 120.4 E
DEPTH=631 KM
MAGNITUDE= 5.8
FLORES SEA

GRF	E Z BE	PKIKP	11 19 57.6			1	12000	107.9	80.0	319.9
	E Z BE	PKHKP	11 20 06.8			2				
	E Z BE	PKKP	11 31 22.0			1				
FUR	-I Z SL	PKP1	11 20 06.-	1.6	1.88	3	12020	108.1	80.5	318.3
	-I Z SL	PP	11 20 47.-	1.5	1.59	3				
	-E Z SL	APP	11 22 47.-	1.8	1.90	8				

JUN 14
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. FELT IN THE REGION OF HAMM. H= 11 40 53, 51 DEG. 42 MIN. N, 7 DEG. 50 MIN. E, MLGH= 2.0 (BNS).

BNS	-I Z FS	PG	11 40 08.9							
	I Z FS	SG	11 40 22.4							
	E E X		11 40 31.8	1.2	2.36					
	E E X	-	11 40 31.8	1.6	2.58					
	E Z FS	-	11 40 32.5	1.6	2.38					

JUN 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 47 21.-			1				

JUN 14 ERL
H= 12 49 16.2
LAT = 84.1 N
LONG= 113.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
NORTH OF SEVERNAYA ZEMLYA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	12 57 07.0			1	4680	42.1	8.6	289.0

JUN 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	14 54 29.7			2				
	E N BE	SG	14 54 54.8							

JUN 14 ERL
H= 13 20 29.3
LAT = 36.4 N
LONG= 70.8 E
DEPTH=203 KM
MAGNITUDE= 5.0
HINDU KUSH REGION

GRF	E Z BE	P	18 28 22.0			1	4940	44.4	84.0	306.8
FUR	-E Z SL	P	18 28 23.-	1.8	1.85	2	4950	44.5	82.5	304.6
	+E Z SL	XP	18 29 26.-	1.8	1.95	5				

JUN 14 ERL
H= 13 49 38.5
LAT = 84.0 N
LONG= 113.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
NORTH OF SEVERNAYA ZEMLYA

GRF	E Z BE	P	19 57 24.-			1	4680	42.1	8.8	288.5

JUN 14
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	20 50 35.7							

JUN 15 ERL
H= 01 09 04.2
LAT = 45.3 N
LONG= 70.9 W
DEPTH= 12 KM
MAGNITUDE= 4.8
MAINE

NOS= MAXIMUM INTENSITY V. FELT IN NEW YORK, CONNECTICUT, RHODE ISLAND, MASSACHUSETTS, VERMONT, NEW HAMPSHIRE, MAINE, ONTARIO AND QUEBEC PROVINCES, CANADA. MAG. 5.2 MB (NUTTLI).

BUH	E Z GT	P	01 18 14.0				5760	51.8	298.1	56.0
	E Z GT	P	01 18 15.4							
GRF	E Z BE	P	01 18 25.3			1	5900	53.0	299.0	53.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 15										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	03 24 54.5							
JUN 15										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	04 05 37.6							
JUN 15										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
GRF	E Z JM	PN	08 11 56.6			1				
	E Z BE	PG	08 12 00.8			1				
	E N BE	SG	08 12 20.9			1				
FUR	Z SL	MAXIMUM	08 13 40.-	1.8	1.95					
JUN 15										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	10 48 33.3			1				
	E E BE	SG	10 48 53.8			1				
JUN 15 EPL										
H= 11 20 44.9										
LAT = 53.5 N										
LONG= 161.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
OFF EAST COAST OF KAMCHATKA										
NOS= COMPLEX MULTIPLE EVENT. FIRST ARRIVAL AND AMPLITUDE DATA PERTAIN TO EVENTS SEPARATED BY ABOUT 4.5 SEC. THIRD EVENT DATA WERE MORE THOROUGHLY SEPARATED AND COMPUTED INDEPENDENTLY.										
HOF	-E Z SL	P	11 32 15.-	2.0	2.80	3	8160	73.4	18.4	340.2
	Z SL	PM	12 11 15.-	16.0	4.69					
GRF	E Z BE	P	11 32 19.8	0.9	2.08	1	8240	74.1	18.0	340.4
FUR	-I Z SL	P	11 32 30.-	1.5	1.59	2	8400	75.6	17.9	339.9
	-I Z SL	AP	11 32 37.-	1.0	2.54	4				
	Z SL	PM	12 12 20.-	15.0	4.30					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 15 ERL										
H= 11 20 51.5										
LAT = 53.5 N										
LONG= 161.5 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.6										
OFF EAST COAST OF KAMCHATKA										
HLG	+ Z SL	P	11 32 04.-			3	7830	70.4	16.4	343.9
HOF	-I Z SL	P	11 32 22.-	4.0	3.72	9	8160	73.4	18.4	340.2
	+I Z SL	PCP	11 32 37.-	3.0	3.64	7				
BNS	I Z FS	P	11 32 17.0				8190	73.7	15.6	343.4
	+I Z FS	-	11 32 22.8	1.3	2.20					
	E Z SL	-	11 32 24.-							
	E Z SL	PP	11 35 04.-							
	E Z SL	S	11 42 03.-							
	E Z SL	LR	11 56 20.-	50.0						
	Z SL	-	12 11 20.-	17.0						
GRF	E Z BE	P	11 32 26.2			2	8240	74.1	17.9	340.4
KRL	-I Z WH	P	11 32 36.0	2.0		9	8380	75.3	16.2	342.1
STU	E Z BE	P	11 32 26.2	1.3	2.59	2	8390	75.4	16.7	341.5
FUR	+I Z SL	P	11 32 34.-	1.5	1.59	2	8400	75.6	17.8	339.9
	+I Z SL	PP	11 35 28.-	1.8	2.42	2				
BUH	E Z GT	P	11 32 28.0				8420	75.7	16.1	342.1
JUN 15 ERL										
H= 11 39 42.0										
LAT = 53.7 N										
LONG= 161.3 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.1										
OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	11 51 16.7			1	8230	74.0	18.0	340.3
JUN 15 ERL										
H= 11 56 24.3										
LAT = 53.6 N										
LONG= 161.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	12 07 59.4			1	8240	74.1	18.0	340.4
JUN 15										
NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	11 58 31.3			1				

JUN 15 ERL
H= 12 11 02.3
LAT = 51.3 N
LONG= 179.4 W
DEPTH= 48 KM
MAGNITUDE= 5.8
ANDREANOF ISLANDS, ALEUTIAN IS.

BNS	+I Z FS	P	12 22 56.8	1.1	2.30		8670	78.0	4.2	355.8
	E Z FS	-	12 23 03.5							
	E Z FS	-	12 23 28.0							
GRF	+I Z BE	P	12 23 03.2	0.8	2.37	4	8780	79.0	6.8	353.0
STU	+E Z BE	P	12 23 08.1	1.0	2.35	4	8900	80.0	5.5	354.2
BUH	+I Z GT	P	12 23 09.1				8920	80.2	4.8	354.9
FUR	+I Z SL	P	12 23 10.-	1.5	2.06	9	8950	80.5	6.8	352.8
	+I Z SL	XPCP	12 23 36.-	1.5	1.54	3				

JUN 15
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	-	12 11 32.-	1.5	1.49	2				
GRF	E Z JM	PN	12 11 57.9			1				
	E Z BE	PG	12 12 04.4			2				

JUN 15
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	12 45 56.6			2				
	E N BE	SG	12 46 17.7			1				

JUN 15 ERL
H= 13 16 56.1
LAT = 53.6 N
LONG= 161.8 E
DEPTH= 39 KM
MAGNITUDE= 5.1
OFF EAST COAST OF KAMCHATKA

BNS	E Z FS	P	13 28 27.2				8190	73.6	15.4	343.6
GRF	E Z BE	P	13 28 30.0	1.2	1.99	1	8240	74.1	17.7	340.6
FUR	-I Z SL	P	13 28 39.-	1.3	1.79	2	8400	75.5	17.6	340.1
BUH	E Z GT	P	13 28 38.5				8410	75.6	15.9	342.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUN 15
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	13 28 50.4							

JUN 15 ERL
H= 13 38 23.1
LAT = 51.3 N
LONG= 179.4 W
DEPTH= 50 KM
MAGNITUDE= 5.4
ANDREANOF ISLANDS, ALEUTIAN IS.

BNS	+I Z FS	P	13 50 18.0	1.2	1.70		8670	78.0	4.2	355.7
GRF	+E Z BE	P	13 50 23.7	0.7	1.77	1	8790	79.0	6.8	353.0
BUH	E Z GT	P	13 50 30.0				8920	80.2	4.9	354.9
FUR	-I Z SL	P	13 50 33.-	1.5	1.62	9	8950	80.5	6.8	352.8

JUN 15
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

GRF	E Z BE	PG	16 00 05.8			1				
	E N BE	SG	16 00 52.-			1				
HOF	-I Z SL	P	16 00 22.-	1.5	2.52	9				

JUN 15
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	17 28 46.0			1				

JUN 15 ERL
H= 19 18 51.7
LAT = 41.2 N
LONG= 125.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
OFF COAST OF NORTHERN CALIFORNIA

GRF	E Z BE	P	19 31 09.8	1.0	1.31	1	9100	81.8	328.5	26.7

JUN 15 ERL
H= 20 56 33.9
LAT = 53.7 N
LONG= 161.8 E
DEPTH= 35 KM
MAGNITUDE= 4.9
OFF EAST COAST OF KAMCHATKA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z 9E	P	21 08 08.8	1.0	1.48	2	8240	74.1	17.7	340.6
BUH	E Z GT	P	21 08 18.5				8410	75.6	15.9	342.3

JUN 15 ERL
H= 21 09 41.7
LAT = 53.6 N
LONG= 161.6 E
DEPTH= 45 KM
MAGNITUDE= 5.5
OFF EAST COAST OF KAMCHATKA

HOF	-I Z SL	P	21 21 10.-	2.0	3.04	3	8160	73.4	18.3	340.3
	-I Z SL	AP	21 21 20.-	1.5	2.92	9				
	-I Z SL	PCP	21 21 23.-	1.5	2.67	9				
	-I Z SL	APCP	21 21 35.-	4.0	3.22	2				
	Z SL	RM	22 00 30.-	16.0	3.91					
BNS	+I Z FS	P	21 21 12.0	1.6	1.78		8190	73.6	15.6	343.4
	Z SL	-	22 01 00.-	16.0						
GRF	+I Z BE	P	21 21 15.5	0.8	2.10	5	8240	74.1	17.9	340.5
	E Z BE	-	21 21 25.0			1				
STU	+E Z 9E	P	21 21 22.0	1.0	1.89	4	8380	75.4	16.6	341.5
FUR	+I Z SL	P	21 21 23.-	2.0	2.40	9	8400	75.6	17.8	340.0
	+I Z SL	AP	21 21 31.-	1.5	1.98	2				
	-I Z SL	PCP	21 21 36.-	1.8	2.23	6				
	-I Z SL	APCP	21 21 45.-	2.0	2.35	2				
	+I Z SL	XPCP	21 21 49.-	2.0	2.40	4				
	+I Z SL	-	21 23 11.-	1.9	2.32	2				
	N SL	RM	22 01 00.-	15.0	3.70					
BUH	E Z GT	P	21 21 23.6				8410	75.7	16.0	342.1

JUN 15 ERL
H= 21 33 59.1
LAT = 61.1 S
LONG= 154.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
BALLENY ISLANDS REGION

FUP	-E Z SL	PKP2	21 54 21.-	2.0	1.80	2	17280	155.4	135.5	255.2
GRF	E Z BE	PKP	21 54 34.0			1	17400	156.4	133.0	257.8

JUN 15 ERL
H= 23 04 58.6
LAT = 25.9 S
LONG= 177.4 W
DEPTH= 94 KM
MAGNITUDE= 5.6
SOUTH OF FIJI ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	-E Z SL	PKP1	23 24 41.-	2.0	2.32	3	17190	154.6	19.8	346.0
	+I Z SL	PKHKP	23 24 49.-	1.5	2.52	9				
	-I Z SL	PKP2	23 25 05.-	2.0	3.02	9				
BNS	-I Z FS	PKP	23 24 49.5	1.3	1.48		17210	154.7	9.7	353.2
	I Z FS	-	23 25 05.0	1.6	2.08					
GRF	E Z BE	PKP	23 24 42.0			1	17270	155.3	18.9	346.5
	+I Z BE	-	23 25 08.3			6				
FUR	+I Z SL	PKP1	23 24 44.-	1.7	1.86	9	17430	156.8	20.2	345.1
	-I Z SL	PKHKP	23 24 53.-	1.8	2.00	9				
	+I Z SL	PKP2	23 25 14.-	1.3	2.39	9				
	+I Z SL	PP	23 28 50.-	1.5	1.62	1				
BUH	E Z GT	PKP	23 24 43.7				17440	156.9	13.0	350.5
	E Z GT	PKP	23 24 54.0							
	E Z GT	PKP	23 25 13.1							

JUN 15
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	23 28 48.5							

JUN 16 ERL
H= 00 54 34.2
LAT = 43.0 N
LONG= 145.9 E
DEPTH= 54 KM
MAGNITUDE= 4.8
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	01 06 37.5	0.6	1.21	1	8840	79.5	32.0	332.0

JUN 16
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	01 34 21.2							

JUN 16 ERL
H= 01 36 51.9
LAT = 42.9 N
LONG= 144.6 E
DEPTH= 70 KM
MAGNITUDE= 4.9
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	01 48 51.1	0.8	1.27	1	8810	79.2	32.9	331.3

JUN 16
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 18 13.6			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 16 ERL H= 07 22 48.1 LAT = 37.7 N LONG= 95.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 TSINGHAI PROVINCE, CHINA										
GRF	+E Z BE	P	07 32 47.9	0.6	1.51	2	6570	59.1	66.9	311.1
FUR	+I Z SL	P	07 32 52.-	1.8	2.11	9	6640	59.7	66.1	309.5
	+I Z SL	XP	07 33 04.-	1.5	1.54	2				
	-E Z SL	PP	07 33 41.-	2.0	2.05	5				
BUH	E Z GT	P	07 33 01.8				6820	61.3	64.6	311.0
JUN 16 ERL H= 11 53 07.5 LAT = 19.3 S LONG= 177.9 W DEPTH=525 KM (GEOPHYSICIST) MAGNITUDE= 4.3 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	12 12 03.0			1	16540	148.8	16.8	348.5
JUN 16 ERL H= 12 12 32.2 LAT = 55.8 N LONG= 112.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 LAKE BAIKAL REGION										
GRF	E Z BE	P	12 22 30.-			1	6310	56.8	42.5	310.4
JUN 16 ERL H= 14 43 47.5 LAT = 45.0 N LONG= 125.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 OFF COAST OF OREGON										
BNS	-I Z FS	P	14 55 34.6	1.7	1.95		8460	76.1	327.6	28.5
HOF	+I Z SL	P	14 55 45.-	1.5	2.82	9	8700	78.2	330.8	26.2
	-E Z SL	PCP	14 55 53.-	2.5	2.66	9				
	Z SL	RM	15 34 00.-	14.0	3.80					
BUH	-I Z GT	P	14 55 47.3				8720	78.4	328.6	29.1
GRF	E Z BE	P	14 55 48.3	1.2	2.12	5	8730	78.5	330.4	26.9
FUR	-I Z SL	P	14 55 55.-	1.8	2.54	9	8880	79.9	330.6	27.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	PCP	14 56 02.-	2.0	2.21	2				
	-E Z SL	APCP	14 56 06.-	1.5	1.59	5				
	-I Z SL	XPCP	14 56 15.-	1.5	1.59	1				
	-I Z SL	-	14 56 46.-	1.8	2.18	3				
	Z SL	QM	15 26 00.-	32.0	3.27					
JUN 16 ERL H= 16 17 18.3 LAT = 51.4 N LONG= 179.3 W DEPTH= 51 KM MAGNITUDE= 4.4 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	16 23 18.0			1	8770	78.9	6.7	353.1
JUN 16 ERL H= 18 35 29.4 LAT = 53.6 N LONG= 161.5 E DEPTH= 45 KM MAGNITUDE= 4.7 OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	18 47 02.4			1	8230	74.0	17.9	340.4
JUN 16 ERL H= 19 49 31.0 LAT = 53.5 N LONG= 161.5 E DEPTH= 46 KM MAGNITUDE= 4.3 OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	20 01 05.3	1.2	1.63	1	8240	74.1	17.9	340.4
	E Z BE	AP	20 01 17.5			1				
BUH	E Z GT	P	20 01 18.5				8420	75.7	16.1	342.1
JUN 16 ERL H= 20 27 21.0 LAT = 35.9 N LONG= 140.1 E DEPTH= 76 KM MAGNITUDE= 4.6 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	20 39 42.3			1	9280	83.5	39.5	329.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 16 ERL H= 20 34 10.6 LAT = 53.6 N LONG= 161.4 E DEPTH= 47 KM MAGNITUDE= 4.8 OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	20 45 44.1	1.1	1.41	1	8240	74.1	18.0	340.4
BUH	E Z GT	P	20 45 52.5				8410	75.6	16.1	342.0
JUN 16 ERL H= 22 38 44.4 LAT = 41.0 N LONG= 82.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	22 47 28.5			1	5430	48.8	71.8	305.4
JUN 17 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	01 35 42.0							
JUN 17 ERL H= 03 55 02.9 LAT = 43.2 N LONG= 145.8 E DEPTH= 48 KM MAGNITUDE= 6.5 HOKKAIDO, JAPAN REGION										
NOS= 24 INJURED ON HOKKAIDO. MINOR DAMAGE (V JMA) IN NEMURO AND KUSHIRO AREAS. FELT (III JMA) ON HONSHU. TSUNAMI HEIGHTS (CREST TO TROUGH IN METERS) 3.04 (APPROX.) NEMURO, 1.10 KUSHIRO, 2.20 HIROO, 1.10 HACHINOHE.										
HLG	+I Z SL	P	04 06 48.4	16.0		9	8510	76.5	30.3	336.1
	+I Z X	P	04 06 48.4			4				
HOF	-I Z SL	P	04 07 00.-				8730	78.5	32.5	331.9
	7 SL	PM	04 52 30.-	22.0	6.29					
BOC	+I Z 84	P	04 07 03.5	2.5	4.22	6	8730	79.0	29.5	335.1
	+I E 84	S	04 16 57.0	3.0	4.87	6				
	Z 84	MAXIMUM	04 45 53.0	20.0	6.22					
GRF	+I Z BE	P	04 07 05.0	0.3	2.94	9	8820	79.3	32.0	331.9
BNS	+I Z FS	P	04 07 05.5	1.2	3.14		8840	79.5	29.4	334.8
	+I Z SL	-	04 07 06.-	20.0						
	+I E X	S	04 17 02.1	2.6	3.27					
	-I N X	-	04 17 02.7	3.0	3.38					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	LR	04 33 30.-	70.0						
	Z SL	-	04 45 00.-	24.0						
TNS	1I Z SL	P	04 07 06.0			9	8870	79.8	30.2	333.7
	I Z SL	PCP	04 07 28.0			9				
	I N SL	S	04 17 04.0			9				
FUR	+I Z SL	P	04 07 12.-	1.8	3.48	9	8960	80.6	31.9	331.1
	Z SL	RM	04 46 00.-	21.0	6.07					
STU	+I Z BE	P	04 07 12.2	1.0	3.13	9	8980	80.8	30.6	332.6
KRL	+I Z WH	P	04 07 13.2	2.5		9	8990	80.8	30.1	333.1
BUH	+I Z GT	P	04 07 14.3				9030	81.2	29.9	333.1
JUN 17 ERL H= 04 09 12.4 LAT = 43.0 N LONG= 146.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.9 KURIL ISLANDS										
GRF	E Z BE	P	04 21 18.8			1	8860	79.7	31.7	332.3
BNS	+I Z FS	P	04 21 19.0	1.3	1.48		8890	79.9	29.1	335.2
BUH	+E Z GT	P	04 21 28.0				9070	81.6	29.6	333.5
JUN 17 ERL H= 04 19 32.2 LAT = 42.4 N LONG= 145.8 E DEPTH= 35 KM MAGNITUDE= 5.4 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	04 31 39.8	0.8	1.49	2	8900	80.0	32.4	332.0
JUN 17 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	05 00 08.4			1				
JUN 17 ERL H= 05 09 58.5 LAT = 43.5 N LONG= 146.2 E DEPTH= 29 KM MAGNITUDE= 4.8 KURIL ISLANDS										
GRF	E Z BE	P	05 22 02.8	0.9	1.20	1	8810	79.2	31.6	332.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 17 ERL H= 05 12 09.3 LAT = 42.7 N LONG= 146.1 E DEPTH= 44 KM MAGNITUDE= 5.4 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	05 24 15.2			1	8880	79.9	32.1	332.1
JUN 17 ERL H= 05 52 10.9 LAT = 43.1 N LONG= 146.1 E DEPTH= 44 KM MAGNITUDE= 5.1 KURIL ISLANDS										
GRF	E Z BE	P	06 04 15.0	0.9	1.50	2	8850	79.5	31.8	332.1
JUN 17 ERL H= 06 08 19.8 LAT = 42.8 N LONG= 146.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	06 20 27.6			1	8880	79.9	31.9	332.2
JUN 17 ERL H= 06 29 28.4 LAT = 43.4 N LONG= 146.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 KURIL ISLANDS										
GRF	E Z BE	P	06 41 32.-			1	8820	79.3	31.7	332.1
JUN 17 ERL H= 06 47 48.7 LAT = 43.2 N LONG= 146.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 KURIL ISLANDS										
GRF	E Z BE	P	06 59 54.0			1	8850	79.5	31.7	332.2
JUN 17 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	06 55 21.0			1				
JUN 17 ERL H= 07 43 31.6 LAT = 53.5 N LONG= 161.5 E DEPTH= 45 KM MAGNITUDE= 5.0 OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	07 55 05.7	1.1	1.81	1	8250	74.2	17.9	340.5
BUH	E Z GT	P	07 55 13.5				8420	75.7	16.1	342.1
JUN 17 ERL H= 08 17 47.7 LAT = 43.0 N LONG= 146.4 E DEPTH= 41 KM MAGNITUDE= 5.2 KURIL ISLANDS										
GRF	E Z BE	P	08 29 53.3	0.4	1.12	1	8860	79.7	31.7	332.3
	E Z BE	AP	08 30 05.9			1				
BUH	E Z GT	P	08 30 03.0				9070	81.6	29.6	333.5
JUN 17 ERL H= 08 48 19.4 LAT = 42.9 N LONG= 146.5 E DEPTH= 37 KM MAGNITUDE= 5.2 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	09 00 25.9	0.7	1.00	1	8870	79.8	31.7	332.3
BNS	E Z FS	P	09 00 41.2				8900	80.0	29.1	335.2
FUR	-E Z SL	P	09 00 36.-	1.5	1.28	5	9020	81.1	31.6	331.5
	-E Z SL	PCP	09 00 40.-	1.5	1.28	2				
	-E Z SL	APCP	09 00 48.-	1.5	1.28	5				
	-E Z SL	XPCP	09 00 56.-	1.5	1.28	2				
BUH	E Z GT	P	09 00 35.0				9080	81.7	29.6	333.5
JUN 17 ERL H= 08 55 30.9 LAT = 42.7 N LONG= 146.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 OFF COAST OF HOKKAIDO, JAPAN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	P	09 07 48.-			1	8880	79.9	32.1	332.1

JUN 17 ERL
H= 09 18 19.2
LAT = 43.2 N
LONG= 146.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
KURIL ISLANDS

GRF	E Z BE	P	09 30 25.0			1	8850	79.6	31.6	332.3

JUN 17 ERL
H= 10 24 12.4
LAT = 42.3 N
LONG= 145.7 E
DEPTH= 41 KM
MAGNITUDE= 4.6
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	10 36 20.0			1	8900	80.0	32.5	331.9

JUN 17 ERL
H= 10 59 18.8
LAT = 43.0 N
LONG= 146.9 E
DEPTH= 37 KM
MAGNITUDE= 4.8
KURIL ISLANDS

GRF	E Z BE	P	11 11 26.0			1	8890	79.9	31.4	332.6

JUN 17
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	11 12 38.4			1				

JUN 17 ERL
H= 11 31 23.4
LAT = 25.8 N
LONG= 127.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
RYUKYU ISLANDS

GRF	E Z BE	P	11 44 02.0			1	9550	85.9	54.3	324.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

JUN 17 ERL
H= 11 43 01.5
LAT = 6.9 S
LONG= 129.1 E
DEPTH=154 KM
MAGNITUDE= 5.4
BANDA SEA

GRF	E Z BE	P	11 57 30.0			1	12580	113.1	72.5	321.4
	E Z BE	PKP	12 01 10.6			1				

JUN 17 ERL
H= 12 14 25.8
LAT = 42.9 N
LONG= 145.6 E
DEPTH= 41 KM
MAGNITUDE= 5.5
HOKKAIDO, JAPAN REGION

HOF	-I Z SL	P	12 26 25.-	1.5	2.48	3	8760	78.7	32.8	331.8
	+I Z SL	AP	12 26 32.-	1.5	2.22	5				
	+I Z SL	XP	12 26 36.-	1.5	2.22	3				
	-I Z SL	APCP	12 26 42.-	1.5	2.30	1				
	+E Z SL	XPCP	12 26 47.-	1.5	2.30	6				
GRF	+E Z BE	P	12 26 29.6	0.7	1.65	2	8840	79.5	32.3	331.8
	E Z BE	AP	12 26 41.4			2				
	E Z BE	-	12 26 46.5			1				
BNS	+I Z FS	P	12 26 30.2	1.2	1.48		8870	79.7	29.7	334.7
FUR	+I Z SL	P	12 26 36.-	1.0	2.28	9	8980	80.8	32.2	331.0
	+I Z SL	PCP	12 26 40.-	1.0	1.98	5				
STU	+E Z BE	P	12 26 36.9	0.8	1.63	2	9000	81.0	30.9	332.5
BUH	E Z GT	P	12 26 39.2				9050	81.4	30.2	333.0

JUN 17 ERL
H= 12 24 34.8
LAT = 42.6 N
LONG= 146.4 E
DEPTH= 36 KM
MAGNITUDE= 5.5
OFF COAST OF HOKKAIDO, JAPAN

HOF	-I Z SL	P	12 36 38.-	1.5	2.22	5	8820	79.3	32.4	332.3
	-E Z SL	PCP	12 36 43.-	3.0	2.43	5				
	+E Z SL	APCP	12 36 51.-	2.0	2.47	1				
	+E Z SL	XPCP	12 36 56.-	2.0	2.34	2				
	Z SL	PM	13 17 30.-	12.0	3.66					
GRF	E Z BE	P	12 36 42.4	1.0	1.61	1	8900	80.1	31.9	332.3
	E Z BE	AP	12 36 56.2			1				
BNS	+I Z FS	P	12 36 43.2	1.5	1.30		8930	80.3	29.3	335.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z FS	-	12 37 30.-							
FUR	+I Z SL	P	12 36 49.-	1.7	1.91	9	9040	81.3	31.8	331.5
	+I Z SL	AP	12 36 58.-	2.0	2.10	2				
	+I Z SL	XP	12 37 02.-	1.8	2.11	3				
	+I Z SL	XPCP	12 37 11.-	1.5	1.73	2				
	E SL	RM	13 18 20.-	14.0	3.36					
BUH	E Z GT	P	12 36 52.0				9110	81.9	29.8	333.5

JUN 17
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	12 32 38.0			1				

JUN 17 ERL
H= 13 33 28.3
LAT = 43.1 N
LONG= 145.4 E
DEPTH= 46 KM
MAGNITUDE= 5.6
HOKKAIDO, JAPAN REGION

HOF	-I Z SL	P	13 45 25.-	2.0	3.02	9	8730	78.5	32.8	331.7
	-I Z SL	-	13 45 30.-	1.5	2.82	9				
	+E Z SL	PCP	13 45 34.-	3.0	2.63	1				
	+I Z SL	XP	13 45 37.-	1.5	2.52	2				
	+I Z SL	APCP	13 45 42.-	1.5	2.75	3				
	+I Z SL	XPCP	13 45 50.-	1.5	2.75	3				
	+I Z SL	-	13 45 55.-	1.5	2.64	4				
	Z SL	QM	14 23 00.-	22.0	4.17					
GRF	E Z BE	P	13 45 30.0	0.7	1.95	1	8820	79.3	32.4	331.7
	E Z BE	-	13 45 36.3			3				
BNS	+I Z FS	P	13 45 31.5	1.2	1.90		8840	79.5	29.8	334.6
FUR	-I Z SL	P	13 45 38.-	1.5	1.03	9	8960	80.6	32.2	330.8
	+I Z SL	PCP	13 45 42.-	1.3	1.18	4				
	-I Z SL	APCP	13 45 50.-	1.5	1.86	9				
	+I Z SL	XPCP	13 45 53.-	1.3	2.35	3				
	+E Z SL	PP	13 48 39.-	1.5	1.54	2				
	E SL	PM	14 29 30.-	21.0	3.73					
STU	+E Z BE	P	13 45 37.8	1.0	2.16	3	8980	80.8	30.9	332.3
BUH	E Z GT	P	13 45 40.1				9030	81.2	30.3	332.9

JUN 17 ERL
H= 13 43 08.7
LAT = 43.0 N
LONG= 146.7 E
DEPTH= 40 KM
MAGNITUDE= 5.5
KURIL ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	-I Z SL	P	13 55 10.-	1.5	1.76	9	8790	79.1	32.1	332.4
	+I Z SL	XP	13 55 21.-	2.0	2.14	3				
	-E Z SL	XPCP	13 55 32.-	2.0	1.88	2				
	Z SL	RM	14 34 40.-	16.0	4.03					
GRF	E Z BE	P	13 55 14.5	0.7	1.47	2	8880	79.8	31.6	332.4
BNS	+I Z FS	P	13 55 15.0	2.0	1.85		8900	80.0	29.0	335.3
FUR	+I Z SL	P	13 55 21.-	2.0	2.38	9	9020	81.1	31.5	331.6
	-E Z SL	AP	13 55 28.-	1.5	1.59	9				
	-I Z SL	XP	13 55 35.-	1.8	2.00	2				
	+E Z SL	XPCP	13 55 41.-	1.5	1.36	6				
	E SL	RM	14 36 00.-	18.0	3.68					
BUH	E Z GT	P	13 55 24.1				9090	81.7	29.5	333.6

JUN 17 ERL
H= 14 24 13.8
LAT = 42.9 N
LONG= 145.3 E
DEPTH= 34 KM
MAGNITUDE= 4.3
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	14 36 18.7	0.8	1.10	1	8830	79.4	32.5	331.7

JUN 17 ERL
H= 16 53 24.3
LAT = 51.7 N
LONG= 176.4 E
DEPTH= 53 KM
MAGNITUDE= 5.0
RAT ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	17 05 19.6			1	8690	78.2	9.4	350.2
BUH	E Z GT	P	17 05 26.5				8830	79.4	7.5	352.0

JUN 17 ERL
H= 13 55 39.6
LAT = 43.0 N
LONG= 146.5 E
DEPTH= 45 KM
MAGNITUDE= 5.7
KURIL ISLANDS

HOF	-I Z SL	P	19 07 41.-	2.0	3.02	5	8730	79.0	32.2	332.3
	-I Z SL	AP	19 07 52.-	2.0	2.62	9				
	-I Z SL	XP	19 07 57.-	2.0	2.74	3				
	Z SL	PM	19 46 30.-	17.0	3.79					
GRF	E Z BE	P	19 07 44.4	0.8	2.05	1	8870	79.8	31.7	332.3
BNS	+I Z FS	P	19 07 45.5	1.4	1.90		8890	80.0	29.1	335.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+I Z SL	P	19 07 51.-	2.0	2.48	9	9010	81.0	31.6	331.5
	-I Z SL	PCP	19 07 58.-	2.0	2.27	4				
	+I Z SL	APCP	19 08 06.-	1.9	2.43	5				
	E SL	RM	19 43 30.-	17.0	3.68					
STU	+E Z BE	P	19 07 52.5	0.8	1.95	3	9030	81.2	30.3	333.0
BUH	E Z GT	P	19 07 54.0				9080	81.6	29.6	333.5

JUN 17 ERL
H= 19 03 35.1
LAT = 42.7 N
LONG= 146.3 E
DEPTH= 32 KM
MAGNITUDE= 5.6
OFF COAST OF HOKKAIDO, JAPAN

HOF	-E Z SL	P	19 15 38.-	2.0	2.62	9	8810	79.2	32.4	332.2
	Z SL	RM	19 53 40.-	16.0	3.91					
GRF	E Z BE	P	19 15 42.7	0.9	1.50	1	8890	80.0	31.9	332.3
BNS	+I Z FS	P	19 15 43.3	1.8	1.60		8920	80.2	29.3	335.2
FUR	-I Z SL	P	19 15 51.-	1.8	1.90	2	9030	81.2	31.8	331.4
	+I Z SL	PCP	19 15 53.-	2.0	1.59	2				
	+E Z SL	XPCP	19 16 12.-	1.5	1.36	2				
	N SL	RM	19 48 30.-	17.0	3.67					
BUH	E Z GT	P	19 15 52.0				9100	81.8	29.8	333.4

JUN 17 ERL
H= 20 37 57.3
LAT = 42.7 N
LONG= 146.0 E
DEPTH= 50 KM
MAGNITUDE= 6.0
OFF COAST OF HOKKAIDO, JAPAN

HLG	+I Z SL	P	20 49 47.5			5	8570	77.1	30.3	336.3
	-I Z X	P	20 49 47.6			2				
HOF	+I Z SL	P	20 49 58.-	3.0	3.23	9	8790	79.1	32.6	332.1
	-I Z SL	PCP	20 50 08.-	2.0	2.92	2				
	+I Z SL	PP	20 53 00.-	2.0	2.80	3				
	Z SL	RM	21 23 10.-	16.0	5.01					
GRF	E Z BE	P	20 50 01.9			1	8880	79.8	32.1	332.1
	+I Z BE	-	20 50 02.8	0.6	1.51	5				
	+I Z BE	-	20 50 04.9			1				
BNS	+I Z FS	P	20 50 03.3	1.5	2.52		8900	80.1	29.5	335.0
	I Z SL	-	20 50 04.-	7.0						
	E N X	S	21 00 05.-							
	+I Z SL	-	21 00 06.-							
	E Z SL	SS	21 05 52.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	LR	21 15 40.-	60.0						
	Z SL	-	21 29 00.-	20.0						
TNS	1I Z SL	P	20 50 05.0			2	8930	80.3	30.3	333.9
	E Z SL	S	21 00 08.0			3				
FUR	+I Z SL	P	20 50 09.-	2.0	2.51	5	9020	81.1	32.0	331.2
	+I Z SL	PCP	20 50 15.-	1.5	2.10	2				
	+I Z SL	APCP	20 50 22.-	1.5	2.36	4				
	+I Z SL	PP	20 53 15.-	1.8	2.38	8				
	Z SL	RM	21 31 00.-	16.0	4.71					
STU	E Z BE	P	20 50 08.5	1.7	2.90	2	9040	81.3	30.7	332.8
	E N SL	SN	21 00 16.0	18.0	3.71					
KRL	+I Z WH	P	20 50 11.0	2.5		9	9050	81.4	30.2	333.3
BUH	E Z GT	P	20 50 11.2				9090	81.7	30.0	333.3

JUN 17 ERL
H= 21 03 35.7
LAT = 42.8 N
LONG= 146.0 E
DEPTH= 47 KM
MAGNITUDE= 5.0
OFF COAST OF HOKKAIDO, JAPAN

GRF	E Z BE	P	21 15 41.0			1	8860	79.7	32.1	332.0
	E Z BE	AP	21 15 53.4			1				
FUR	-E Z SL	P	21 15 48.-	2.0	1.80	5	9000	81.0	32.0	331.2
	-E Z SL	-	21 16 43.-	2.0	1.80	2				
	+I Z SL	-	21 17 42.-	1.5	1.49	2				

JUN 17 ERL
H= 21 23 42.6
LAT = 43.0 N
LONG= 145.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	21 35 48.0			1	8850	79.6	32.0	332.0

JUN 17 ERL
H= 21 26 14.2
LAT = 43.0 N
LONG= 145.3 E
DEPTH= 50 KM
MAGNITUDE= 5.2
HOKKAIDO, JAPAN REGION

GRF	+E Z BE	P	21 38 16.6	0.8	1.57	2	8820	79.3	32.4	331.7
BUH	E Z GT	P	21 38 25.8				9030	81.2	30.3	332.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
JUN 17 ERL H= 22 15 33.2 LAT = 43.0 N LONG= 145.5 E DEPTH= 50 KM MAGNITUDE= 4.3 HOKKAIDO, JAPAN REGION									
GRF	E Z BE	P	22 27 35.7	0.3	1.10	1	8830	79.4	32.3 331.8
	E Z BE	AP	22 27 48.0			1			
	E Z BE	PCP	22 27 53.2			1			
JUN 18 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	00 23 05.6			1			
JUN 18 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	00 28 00.7			1			
JUN 18 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	00 30 21.-			1			
JUN 18 ERL H= 01 56 30.9 LAT = 41.1 N LONG= 143.7 E DEPTH= 34 KM MAGNITUDE= 4.5 HOKKAIDO, JAPAN REGION									
GRF	E Z BE	P	02 08 40.6			1	8950	80.4	34.4 330.9
JUN 18 ERL H= 02 12 06.9 LAT = 42.8 N LONG= 146.8 E DEPTH= 36 KM MAGNITUDE= 4.9 OFF COAST OF HOKKAIDO, JAPAN									
GRF	E Z BE	P	02 24 13.4			1	8900	80.0	31.6 332.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
JUN 18 ERL H= 02 19 30.0 LAT = 42.6 N LONG= 146.2 E DEPTH= 30 KM MAGNITUDE= 5.2 OFF COAST OF HOKKAIDO, JAPAN									
GRF	E Z BE	P	02 31 38.3			1	8900	80.0	32.0 332.2
BNS	E Z FS	P	02 31 42.5				8920	80.2	29.4 335.1
FUR	-E Z SL	P	02 31 45.-	1.5	1.23	5	9040	81.3	31.9 331.4
	+I Z SL	PCP	02 31 49.-	1.5	1.49	2			
	E SL	RM	03 09 30.-	14.0	3.18				
BUH	E Z GT	P	02 31 48.0				9110	81.9	29.9 333.4
JUN 18 ERL H= 02 58 10.1 LAT = 21.1 S LONG= 179.3 W DEPTH=648 KM MAGNITUDE= 4.9 FIJI ISLANDS REGION									
GRF	E Z BE	PKP	03 16 51.7			1	16710	150.3	20.1 346.2
JUN 18 ERL H= 04 23 00.4 LAT = 43.0 N LONG= 146.4 E DEPTH= 37 KM MAGNITUDE= 4.7 KURIL ISLANDS									
GRF	E Z BE	P	04 35 05.2			1	8860	79.7	31.7 332.3
JUN 18 ERL H= 04 55 17.1 LAT = 43.0 N LONG= 146.2 E DEPTH= 37 KM MAGNITUDE= 4.6 KURIL ISLANDS									
GRF	E Z BE	P	05 07 25.5			1	8860	79.7	31.9 332.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 18 ERL H= 05 37 37.7 LAT = 42.6 N LONG= 146.4 E DEPTH= 38 KM MAGNITUDE= 5.5 OFF COAST OF HOKKAIDO, JAPAN										
HOF	+E Z SL	P	05 49 41.-	2.0	2.53	3	8820	79.3	32.4	332.3
	+E Z SL	PCP	05 49 52.-	3.0	2.48	2				
	Z SL	RM	06 30 30.-	12.0	3.66					
GRF	E Z BE	P	05 49 45.7			2	8900	80.0	31.9	332.3
	E Z BE	AP	05 49 59.1							
BNS	E Z FS	P	05 49 46.2				8930	80.3	29.3	335.2
FUP	-I Z SL	P	05 49 52.-	1.5	1.59	9	9040	81.3	31.8	331.4
	-E Z SL	PCP	05 49 58.-	1.5	1.28	3				
	+I Z SL	-	05 50 08.-	1.5	1.54	5				
	E SL	RM	06 26 00.-	16.0	3.25					
BUH	E Z GT	P	05 49 54.8				9110	81.9	29.8	333.5
JUN 18 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	05 37 41.4			1				
JUN 18 ERL H= 10 17 26.3 LAT = 52.2 N LONG= 164.9 W DEPTH= 15 KM MAGNITUDE= 5.4 SOUTH OF ALASKA										
BNS	-I Z FS	P	10 29 20.6	1.2	1.60		8560	77.0	355.0	5.2
HOF	-E Z SL	P	10 29 26.-	1.5	2.52	3	8660	77.9	358.0	2.1
	-E Z SL	PCP	10 29 34.-	2.0	2.53	2				
	-E Z SL	APCP	10 29 43.-	1.5	2.37	2				
GRF	E Z BE	P	10 29 28.6	0.8	1.49	2	8720	78.5	357.5	2.6
BUH	E Z GT	P	10 29 33.5				8820	79.4	355.7	4.7
FUP	-I Z SL	P	10 29 37.-	1.8	2.32	7	8890	80.0	357.6	2.6
	+I Z SL	APCP	10 29 46.-	1.7	2.09	5				
	-I Z SL	XPCP	10 29 54.-	1.7	1.91	3				
JUN 18 NO DETERMINATION OF EPICENTER										

HOF= EXPLOSION.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HOF	+I Z SL	P	11 06 08.-	1.5	2.92	9				
JUN 18 ERL H= 14 29 39.2 LAT = 43.5 N LONG= 147.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 KURIL ISLANDS										
GRF	E Z BE	P	14 41 45.0			1	8830	79.4	31.1	332.5
JUN 18 ERL H= 14 31 39.8 LAT = 43.4 N LONG= 147.1 E DEPTH= 36 KM MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	E Z BE	P	14 43 45.6			1	8850	79.6	31.0	332.6
JUN 18 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	15 36 28.4			1				
	E N BE	SG	15 36 52.4			1				
JUN 18 ERL H= 15 55 34.4 LAT = 27.9 N LONG= 142.1 E DEPTH= 48 KM MAGNITUDE= 4.9 BONIN ISLANDS REGION										
GRF	E Z BE	P	16 08 37.0			1	10150	91.3	42.0	330.6
JUN 18 ERL H= 17 45 43.7 LAT = 42.5 N LONG= 146.0 E DEPTH= 29 KM MAGNITUDE= 5.8 OFF COAST OF HOKKAIDO, JAPAN										
HOF	-E Z SL	P	17 57 47.-	2.0	2.92	5	8810	79.2	32.7	332.0
	+I Z SL	XP	17 57 58.-	2.0	2.92	3				
	-E Z SL	XPCP	17 58 09.-	2.0	2.70	2				
	Z SL	RM	18 33 20.-	18.0	4.02					
GRF	+E Z BE	P	17 57 51.9	0.8	1.70	3	8900	80.0	32.2	332.1
	E Z BE	AP	17 58 03.0			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	P	17 57 52.0	2.0	1.90		8920	80.2	29.6	335.0
	-I Z FS	-	17 58 03.0							
TNS	E Z SL	P	17 57 54.2			2	8950	80.5	30.4	333.9
FUR	+I Z SL	P	17 57 53.-	1.8	2.30	9	9040	81.3	32.1	331.2
	-I Z SL	PCP	17 58 03.-	1.9	2.19	9				
	-I Z SL	AP	17 58 09.-	1.9	2.52	6				
	+I Z SL	XP	17 58 12.-	1.6	2.10	2				
	-I Z SL	PP	18 01 03.-	2.0	2.05	2				
	+I Z SL	APP	18 01 12.-	2.0	2.10	5				
	N SL	PM	18 35 00.-	14.0	3.83					
BUH	E Z GT	P	17 58 01.4				9110	81.9	30.2	333.2

JUN 18 ERL
H= 18 24 19.6
LAT = 42.3 N
LONG= 145.4 E
DEPTH= 29 KM
MAGNITUDE= 5.3
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	18 36 27.2			1	8890	80.0	32.7	331.8
	E Z BE	AP	18 36 36.4			1				
FUR	-E Z SL	P	18 36 30.-	1.5	1.36	2	9030	81.2	32.6	330.9
	-E Z SL	PCP	18 36 35.-	1.5	1.28	5				
	+E Z SL	APCP	18 36 44.-	1.5	1.49	8				
	E SL	RM	19 11 10.-	13.0	3.54					
BUH	E Z GT	P	18 36 36.5				9100	81.9	30.6	332.9

JUN 18 ERL
H= 20 31 37.4
LAT = 42.7 N
LONG= 146.3 E
DEPTH= 34 KM
MAGNITUDE= 5.1
OFF COAST OF HOKKAIDO, JAPAN

GRF	E Z BE	P	20 43 45.0			1	8890	79.9	31.9	332.2

JUN 19 ERL
H= 02 00 17.9
LAT = 42.7 N
LONG= 145.9 E
DEPTH= 36 KM
MAGNITUDE= 4.6
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	02 12 30.-			1	8870	79.8	32.1	332.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUN 19 ERL
H= 02 22 05.6
LAT = 42.9 N
LONG= 146.7 E
DEPTH= 49 KM
MAGNITUDE= 5.2
OFF COAST OF HOKKAIDO, JAPAN

HOF	-E Z SL	P	02 34 06.-	2.0	2.62	9	8800	79.1	32.0	332.4
	+E Z SL	AP	02 34 18.-	2.0	2.32	5				
GRF	E Z BE	P	02 34 10.8	0.7	1.47	2	8880	79.9	31.5	332.5
	E Z BE	AP	02 34 23.3			1				
BNS	+I Z FS	P	02 34 11.2	1.5	1.30		8910	80.1	28.9	335.4
FUR	-E Z SL	P	02 34 18.-	1.5	1.49	8	9030	81.2	31.4	331.6
	+E Z SL	AP	02 34 30.-	1.5	1.28	1				
	-E Z SL	APCP	02 34 38.-	1.5	1.36	2				
STU	E Z BE	P	02 34 17.8	0.9	1.53	2	9050	81.4	30.1	333.1
BUH	E Z GT	P	02 34 20.0				9090	81.8	29.5	333.7

JUN 19 ERL
H= 02 54 09.8
LAT = 42.7 N
LONG= 146.0 E
DEPTH= 43 KM
MAGNITUDE= 5.6
OFF COAST OF HOKKAIDO, JAPAN

HOF	+E Z SL	P	03 06 11.-	1.5	2.30	6	8790	79.1	32.6	332.1
	-E Z SL	XP	03 06 23.-	2.0	2.32	5				
	-I Z SL	XPCP	03 06 32.-	2.0	2.62	9				
	Z SL	RM	03 45 20.-	15.0	3.90					
GRF	E Z BE	P	03 06 15.2	0.7	1.60	1	8880	79.8	32.1	332.1
BNS	I Z FS	P	03 06 16.5	1.3	1.48		8900	80.1	29.5	335.0
FUR	-E Z SL	P	03 06 22.-	1.5	1.36	6	9020	81.1	32.0	331.2
	-I Z SL	PCP	03 06 30.-	2.0	1.80	3				
	-I Z SL	APCP	03 06 39.-	1.8	2.18	3				
	-I Z SL	XPCP	03 06 45.-	1.8	2.15	9				
	N SL	RM	03 47 00.-	17.0	3.69					
STU	E Z BE	P	03 06 22.7	0.7	1.61	2	9040	81.3	30.7	332.8
BUH	E Z GT	P	03 06 24.5				9090	81.7	30.0	333.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 19 ERL H= 03 34 19.4 LAT = 8.1 N LONG= 137.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 WEST CAROLINE ISLANDS										
HOF	-E Z SL	PP	03 52 50.-	5.0	2.18	9	11630	105.1	56.6	327.3
	Z SL	RM	04 43 00.-	17.0	4.72					
GRF	E Z BE	P	03 48 30.-			1	11760	105.8	56.2	327.0
	E Z BE	-	03 51 40.-			1				
FUR	-I Z SL	P	03 48 36.-	1.8	1.85	7	11850	106.6	56.6	325.6
	+I Z SL	APCP	03 48 41.-	1.5	1.59	3				
	+E Z SL	XP	03 48 50.-	1.5	1.43	7				
	-E Z SL	PP	03 53 03.-	4.5	2.95	3				
	N SL	RM	04 42 00.-	18.0	4.30					
TNS	E Z SL	PP	03 53 03.0			2	11890	107.0	53.7	328.5
BNS	-E Z FS	PP	03 53 02.8	4.0	2.32		11920	107.2	52.4	329.6
	E Z SL	-	04 02 06.-							
	E Z SL	LR	04 25 20.-	46.0						
	Z SL	-	04 39 00.-	22.0						
BUH	E Z GT	PKP	03 52 46.5				12010	108.0	53.9	327.3
JUN 19 ERL H= 04 29 27.8 LAT = 42.4 N LONG= 145.8 E DEPTH= 52 KM MAGNITUDE= 4.9 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	04 41 34.4			1	8900	80.0	32.4	332.0
	E Z BE	AP	04 41 45.6			1				
JUN 19 ERL H= 05 14 13.9 LAT = 42.7 N LONG= 146.2 E DEPTH= 34 KM MAGNITUDE= 4.7 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	05 26 30.-			1	8890	79.9	32.0	332.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 19 ERL H= 06 26 12.8 LAT = 42.7 N LONG= 145.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	06 38 19.6			1	8860	79.7	32.4	331.9
JUN 19 ERL H= 06 37 54.4 LAT = 42.9 N LONG= 146.5 E DEPTH= 42 KM MAGNITUDE= 5.3 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	06 50 00.5	0.9	1.50	1	8880	79.9	31.7	332.3
BNS	-I Z FS	P	06 50 01.6	1.1	1.48		8900	80.1	29.1	335.3
FUR	-I Z SL	P	06 50 07.-	1.9	1.89	7	9020	81.1	31.6	331.5
	-E Z SL	PCP	06 50 13.-	1.3	1.59	5				
	+I Z SL	APCP	06 50 20.-	1.7	1.95	2				
	Z SL	QM	07 19 00.-	17.0	3.09					
JUN 19 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	07 10 09.8							
JUN 19 ERL H= 08 36 18.9 LAT = 42.9 N LONG= 146.5 E DEPTH= 36 KM MAGNITUDE= 5.3 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	08 48 25.8			2	8870	79.8	31.7	332.3
FUR	-I Z SL	P	08 48 32.-	1.5	1.28	5	9020	81.1	31.6	331.5
	-E Z SL	AP	08 48 40.-	1.3	1.59	5				
	Z SL	PM	09 29 00.-	16.0	3.02					
BUH	E Z GT	P	08 48 34.5				9080	81.7	29.6	333.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 19 ERL H= 09 37 19.3 LAT = 42.9 N LONG= 146.5 E DEPTH= 42 KM MAGNITUDE= 5.1 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	09 49 25.2			1	8870	79.8	31.7	332.3
	E Z BE	AP	09 49 38.6			1				
JUN 19 ERL H= 10 58 49.2 LAT = 42.9 N LONG= 146.5 E DEPTH= 37 KM MAGNITUDE= 5.0 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	11 10 55.0			1	8870	79.8	31.7	332.3
JUN 19 NO DETERMINATION OF EPICENTER FUR= LOCAL.										
FUR	+E Z SL	-	13 50 05.-	2.0	1.80	5				
	Z SL	MAXIMUM	13 50 45.-	1.5	1.59					
JUN 19 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	14 35 27.-	1.8	1.78	2				
	+E Z SL	-	14 35 36.-	1.5	1.54	2				
JUN 19 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	-	15 36 30.5							
	E N X	-	15 36 31.3							
JUN 19 NO DETERMINATION OF EPICENTER HOF= EXPLOSION.										
HOF	+I Z SL	P	15 50 18.-	1.5	3.18	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 19 ERL H= 16 46 16.6 LAT = 20.3 S LONG= 178.0 W DEPTH=258 KM MAGNITUDE= 4.4 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	17 05 33.4			1	16650	149.7	17.3	348.1
JUN 19 ERL H= 17 10 14.9 LAT = 42.6 N LONG= 145.9 E DEPTH= 41 KM MAGNITUDE= 5.3 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	17 22 21.8			1	8890	79.9	32.3	332.0
FUR	-E Z SL	P	17 22 29.-	1.5	1.28	1	9030	81.2	32.2	331.1
	+E Z SL	APCP	17 22 44.-	1.5	1.43	2				
	+E Z SL	XPCP	17 22 52.-	1.8	1.70	5				
	Z SL	RM	18 03 00.-	15.0	2.91					
JUN 19 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	18 27 30.8							
JUN 19 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	18 37 56.0							
JUN 19 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	19 08 18.5							
JUN 19 ERL H= 20 05 52.7 LAT = 42.8 N LONG= 146.3 E DEPTH= 45 KM MAGNITUDE= 5.3 OFF COAST OF HOKKAIDO, JAPAN										
HOF	-I Z SL	P	20 18 07.-	1.5	2.43	8	8800	79.1	32.4	332.2
GRF	E Z BE	P	20 17 58.7	0.7	1.00	2	8880	79.9	31.9	332.3
	E Z BE	AP	20 18 10.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	P	20 18 11.-				8910	80.1	29.3	335.2
FUR	+E Z SL	P	20 18 05.-	2.0	1.80	3	9020	81.2	31.8	331.4
	+I Z SL	APCP	20 18 20.-	1.8	2.08	2				
	Z SL	RM	20 57 30.-	15.0	2.21					
BUH	E Z GT	P	20 18 08.0				9090	81.8	29.8	333.4

JUN 19 ERL
H= 22 31 18.5
LAT = 36.5 N
LONG= 140.6 E
DEPTH= 65 KM
MAGNITUDE= 5.2
NEAR EAST COAST OF HONSHU, JAPAN

GRF	+E Z BE	P	22 43 39.8	0.8	1.70	2	9260	83.3	38.9	329.6
FUR	+E Z SL	P	22 43 45.-	1.5	1.49	8	9330	84.4	38.8	328.6
STU	+E Z BE	P	22 43 47.0	1.0	1.85	3	9430	84.8	37.4	330.1
BUH	E Z GT	P	22 43 49.3				9480	85.3	36.7	330.6

JUN 20 ERL
H= 09 20 34.3
LAT = 43.1 N
LONG= 146.0 E
DEPTH= 36 KM
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	E Z BE	P	09 32 38.0			1	8840	79.5	31.9	332.0

JUN 20
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	+I Z SL	-	11 11 11.-	1.3	1.79	2				
	Z SL	MAXIMUM	11 11 45.-	1.3	2.13					

JUN 20 ERL
H= 12 01 56.7
LAT = 28.5 S
LONG= 176.8 W
DEPTH= 41 KM
MAGNITUDE= 5.6
KERMADEC ISLANDS REGION

HOF	-I Z SL	PKP1	12 21 50.-	2.0	2.62	2	17430	157.3	20.0	345.6
	+I Z SL	PKP2	12 22 20.-	1.5	2.60	4				
	-I Z SL	PP	12 25 56.-	3.0	2.96	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	PKP	12 22 21.-	1.8	1.90		17500	157.4	9.0	353.5
	E Z FS	-	12 22 29.5							
GRF	E Z BE	PKP1	12 21 50.-			1	17570	158.0	19.0	346.1
	E Z BE	PKP2	12 22 24.0			1				
	E Z BE	PP	12 26 00.-			1				
FUR	-I Z SL	PKP1	12 21 52.-	2.0	2.10	9	17730	159.4	20.5	344.6
	-E Z SL	XPKP	12 22 07.-	3.0	2.35	1				
	-I Z SL	PKP2	12 22 31.-	1.8	2.30	4				
	+I Z SL	APKP	12 22 43.-	1.8	2.18	3				
	+I Z SL	PP	12 26 19.-	1.8	2.00	9				
BUH	E Z GT	PKP	12 21 50.4				17740	159.5	12.6	350.5

JUN 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	16 38 09.4							

JUN 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	17 37 52.8							

JUN 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	18 00 52.5							

JUN 20 ERL
H= 18 29 56.2
LAT = 28.5 S
LONG= 176.6 W
DEPTH= 52 KM
MAGNITUDE= 4.6
KERMADEC ISLANDS REGION

GRF	E Z BE	PKP	18 50 22.-			1	17570	158.0	18.8	346.3

JUN 21
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	04 23 00.3							

JUN 21 ERL
H= 05 21 23.3
LAT = 43.0 N
LONG= 146.1 E
DEPTH= 61 KM
MAGNITUDE= 4.4
KURIL ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	05 33 26.6			1	8860	79.6	31.9	332.1

JUN 21
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	14 24 57.2			1				
	E N BE	SG	14 25 20.0			1				

JUN 21 ERL
H= 14 25 23.3
LAT = 19.2 S
LONG= 169.8 E
DEPTH= 20 KM
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	14 45 07.6			1	16130	145.1	37.2	335.5

JUN 21
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	14 28 03.0			1				
	E N BE	SG	14 28 40.0			1				

JUN 21 ERL
H= 14 44 59.6
LAT = 37.1 N
LONG= 116.0 W
DEPTH= 5 KM (GEOPHYSICIST)
MAGNITUDE= 5.3
SOUTHERN NEVADA

BNS	I Z FS	P	14 57 07.3	1.4	1.78		8800	79.1	317.0	32.6
BUH	E Z GT	P	14 57 18.7				9040	81.3	318.0	33.7
GRF	E Z BE	P	14 57 21.6			2	9100	81.8	320.0	31.5
FUR	-I Z SL	P	14 57 23.-	1.4	1.92	9	9230	83.0	320.1	32.5

JUN 21
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	16 12 59.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUN 22 ERL
H= 02 00 31.7
LAT = 17.6 S
LONG= 178.9 W
DEPTH=565 KM
MAGNITUDE= 5.0
FIJI ISLANDS REGION

HOF	-I Z SL	PKP1	02 19 10.-	1.5	2.37	7	16260	146.3	18.7	347.6
BNS	+I Z FS	PKP	02 19 10.3	1.0	1.30		16280	146.4	10.5	353.1
GRF	+E Z BE	PKP	02 19 12.6	0.8	1.57	3	16350	147.0	17.9	347.9
	E Z BE	-	02 19 16.1			2				
	E Z BE	SKP	02 22 24.0			1				
	E Z BE	-	02 22 28.0			1				
FUR	+I Z SL	PKP1	02 19 16.-	2.0	2.10	9	16510	148.4	18.7	347.0
	-I Z SL	PKHKP	02 19 23.-	1.5	1.43	1				
	+E Z SL	SKP	02 22 33.-	1.3	1.59	3				
BUH	E Z GT	PKP	02 19 16.0				16510	148.5	13.0	351.0
	E Z GT	PKP	02 19 21.4							

JUN 22
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	04 31 54.2			1				

JUN 22 ERL
H= 06 07 37.9
LAT = 42.9 N
LONG= 146.3 E
DEPTH= 53 KM
MAGNITUDE= 5.5
OFF COAST OF HOKKAIDO, JAPAN

BRN	+I Z ET	P	06 19 25.7			7	8540	76.8	33.4	332.7
HLG	Z SL	P	06 19 26.-			3	8550	76.9	30.0	336.4
HOF	-I Z SL	P	06 19 37.-	1.5	2.67	5	8780	79.0	32.3	332.2
	+I Z SL	-	06 19 40.-	1.5	2.75	2				
	-I Z SL	AP	06 19 47.-	1.5	2.75	2				
	-I Z SL	XP	06 19 54.-	2.0	2.92	2				
	Z SL	RM	06 58 40.-	16.0	4.66					
GRF	+I Z BE	P	06 19 42.2			3	8870	79.7	31.8	332.2
	E Z BE	-	06 19 44.9			1				
	E Z BE	AP	06 19 56.7			1				
BNS	E Z FS	P	06 19 38.0				8890	80.0	29.2	335.2
	+I Z SL	-	06 19 43.-	18.0						
	I Z FS	-	06 19 45.5	1.6	2.00					
	E Z SL	S	06 29 56.-							
	E Z SL	SS	06 35 40.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E Z SL	LR	06 53 30.-	24.0						
	Z SL	-	07 00 00.-	18.0						
TNS	E Z SL	P	06 19 44.-			3	8920	80.2	30.0	334.1
FUR	+I Z SL	P	06 19 50.-	2.0	2.10	2	9010	81.0	31.7	331.4
	-I Z SL	PCP	06 19 52.-	2.0	2.33	3				
	-I Z SL	AP	06 19 58.-	2.0	2.40	5				
	+I Z SL	XP	06 20 02.-	1.8	2.40	3				
	Z SL	RM	07 00 00.-	17.0	4.47					
STU	E Z BE	P	06 19 49.0	0.9	1.96	2	9030	81.2	30.4	332.9
	E E SL	S	06 29 48.0	18.0	3.65	2				
BUH	E Z GT	P	06 19 50.5				9080	81.6	29.7	333.4

JUN 22
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+I Z SL	P	16 05 14.-	1.5	2.22	2				
	+I Z SL	-	16 05 19.-	1.5	3.00	6				

JUN 22 ERL
H= 17 16 47.5
LAT = 17.0 S
LONG= 175.8 E
DEPTH= 16 KM
MAGNITUDE= 5.3
FIJI ISLANDS REGION

GRF	E Z BE	PKP	17 36 25.5	1.0	1.31	1	16130	145.1	26.4	342.4
FUR	-E Z SL	PKP1	17 36 28.-	2.0	2.05	5	16280	146.4	27.5	341.1
	+I Z SL	PKP2	17 36 34.-	1.5	1.59	2				
	+I Z SL	APKP	17 36 41.-	1.8	2.15	3				
BUH	E Z GT	PKP	17 36 30.8				16330	146.8	22.1	344.9

JUN 22 ERL
H= 18 47 36.6
LAT = 21.9 N
LONG= 142.9 E
DEPTH=269 KM
MAGNITUDE= 5.2
MARIANA ISLANDS REGION

GRF	E Z BE	P	19 00 37.8			1	10760	96.8	44.3	330.8
	E Z BE	PP	19 04 37.4			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

JUN 22 ERL
H= 19 51 40.5
LAT = 21.2 S
LONG= 174.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
TONGA ISLANDS

BRN	+I Z ET	PKP	20 11 25.3			5	16490	148.3	13.3	351.3
BNS	+E Z FS	PKP	20 11 29.5	1.6	1.78		16710	150.2	2.7	358.2
HOF	-I Z SL	PKP1	20 11 30.-	1.5	2.64	9	16740	150.5	11.7	352.0
	-I Z SL	-	20 11 38.-	1.5	2.70	9				
	+I Z SL	PKP2	20 11 43.-	1.5	2.52	3				
GRF	E Z BE	PKP	20 11 32.0			1	16810	151.2	10.7	352.6
	E Z BE	-	20 11 40.8			3				
BUH	E Z GT	PKP	20 11 27.5				16960	152.5	5.0	356.4
FUR	-I Z SL	PKP1	20 11 37.-	1.3	1.89	5	16980	152.7	11.3	351.9
	+I Z SL	PKHKP	20 11 44.-	1.8	2.00	2				
	+I Z SL	PKP2	20 11 54.-	1.9	2.09	2				
	+E Z SL	APKP	20 12 04.-	2.0	1.94	2				

JUN 22 ERL
H= 22 47 20.1
LAT = 37.1 S
LONG= 176.8 E
DEPTH=369 KM
MAGNITUDE= 4.7
NORTH ISLAND, NEW ZEALAND

GRF	E Z BE	PKP2	23 07 34.4	0.6	1.03	2	18200	163.6	45.0	325.0

JUN 23
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	00 01 46.-			1				

JUN 23 ERL
H= 00 25 15.3
LAT = 2.4 S
LONG= 139.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
NEAR N. COAST OF WEST NEW GUINEA

GRF	E Z BE	PP	00 44 50.-			1	12850	115.5	60.7	325.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
JUN 23 ERL									
H= 02 03 40.1									
LAT = 43.2 N									
LONG= 147.3 E									
DEPTH= 41 KM									
MAGNITUDE= 5.5									
KURIL ISLANDS									
ERN	+E Z ET	P	02 21 30.-			3	8550	76.9	32.6 333.2
	-E Z ET	AP	02 21 36.-			3			
HOF	-I Z SL	P	02 21 41.-	1.5	2.70	5	8800	79.1	31.5 332.7
	+I Z SL	AP	02 21 53.-	1.5	2.67	9			
	Z SL	AM	03 01 20.-	15.0	3.67				
GRF	+E Z BE	P	02 21 45.4	1.4	2.36	3	8880	79.9	31.0 332.8
	E Z BE	AP	02 21 58.6			2			
BNS	+I Z FS	P	02 21 45.8	1.2	1.90		8900	80.0	28.4 335.7
	I Z FS	-	02 21 58.7						
	Z SL	-	03 02 00.-	13.0					
TNS	-I Z B	P	02 21 48.0			3	8930	80.3	29.2 334.6
FUR	+I Z SL	P	02 21 50.-	1.5	1.83	9	9020	81.1	30.9 332.0
	-I Z SL	AP	02 22 06.-	1.5	1.83	4			
	-I Z SL	APDF	02 22 10.-	1.5	1.62	2			
	+I Z SL	-	02 22 44.-	1.5	1.62	2			
	Z SL	AM	03 03 00.-	15.0	3.08				
BUH	E Z GT	P	02 21 55.6				9090	81.7	28.9 334.0
JUN 23 ERL									
H= 04 38 55.7									
LAT = 42.9 N									
LONG= 145.8 E									
DEPTH= 38 KM									
MAGNITUDE= 4.7									
HOKKAIDO, JAPAN REGION									
GRF	E Z BE	P	04 43 51.6			1	8850	73.6	32.2 331.3
JUN 23 ERL									
H= 05 26 49.8									
LAT = 51.9 N									
LONG= 176.9 W									
DEPTH= 62 KM									
MAGNITUDE= 5.5									
ANDREANOF ISLANDS, ALEUTIAN IS.									
GRF	E Z BE	P	05 36 49.7			2	8740	78.6	5.1 354.6
BUH	E Z GT	P	05 36 51.6				8870	79.7	3.2 356.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
JUN 23 ERL									
H= 08 16 55.5									
LAT = 43.1 N									
LONG= 147.3 E									
DEPTH= 66 KM									
MAGNITUDE= 4.0									
KURIL ISLANDS									
GRF	E Z BE	P	08 28 59.2			1	8890	79.9	31.1 332.8
JUN 23 ERL									
H= 09 59 36.2									
LAT = 17.0 S									
LONG= 175.8 E									
DEPTH= 25 KM									
MAGNITUDE= 5.3									
FIJI ISLANDS REGION									
GRF	E Z BE	PKP	10 19 17.5			1	16130	145.1	26.4 342.5
FUR	-E Z SL	PKP1	10 19 17.-	1.5	1.28	2	16280	146.4	27.5 341.2
	-E Z SL	APKP	10 19 27.-	2.4	2.23	9			
JUN 23 ERL									
H= 10 30 15.4									
LAT = 16.6 S									
LONG= 175.6 E									
DEPTH= 42 KM									
MAGNITUDE= 4.0									
FIJI ISLANDS REGION									
GRF	E Z BE	PKP	10 49 56.6			1	16080	144.6	26.4 342.5
FUR	+E Z SL	XPKP	10 50 08.-	1.9	2.75	5	16230	146.0	27.5 341.2
JUN 23 NFB									
H= 11 05 03.9									
LAT = 50.5 N									
LONG= 8.0 E									
DEPTH= 0 KM (GEOPHYSICIST)									
GERMANY									
NFB= QUARRYBLAST AT THALHEIM, SHOTPOINT NO. 22.									
H= 11 05 03.94, 50 DEG. 28 MIN. 36 SEC. N, 8 DEG. 00 MIN. 34.8 SEC. E,									
HEIGHT= 250 METERS, CHARGE= 2.94 TONS.									
TNS	+I Z B	PG	11 05 12.0			8	40	0.4	312.2 131.9
	I Z B	SG	11 05 19.0			9			
BNS	I Z FS	PG	11 05 18.8				80	0.7	132.3 312.9
	+I N X	SG	11 05 30.5						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 23										
NO DETERMINATION OF EPICENTER										
GRF	E	Z BE	PG	12 22 56.0			1			
	E	E BE	SG	12 23 14.4						
JUN 23 ERL										
H= 20 26 08.1										
LAT = 16.9 S										
LONG= 175.9 E										
DEPTH= 29 KM										
MAGNITUDE= 4.1										
FIJI ISLANDS REGION										
GRF	E	Z BE	PKP	20 45 45.8			1	16130 145.0	26.2	342.6
FUR	+E	Z SL	XPKP	20 46 08.-	1.9	1.75	2	16280 146.4	27.3	341.3
	+I	Z SL	-	20 46 16.-	2.0	1.94	7			
BUH	E	Z GT	PKP	20 45 51.5				16320 146.8	21.9	345.0
JUN 24 ERL										
H= 02 43 25.5										
LAT = 43.3 N										
LONG= 146.4 E										
DEPTH= 50 KM										
MAGNITUDE= 6.3										
KURIL ISLANDS										
NOS= ONE INJURED AND SLIGHT DAMAGE NEMURO AREA, FELT (V JMA) IN KUSHIRO AND URAKAWA AREAS, ALSO FELT (III) AT OBIHIRO AND HIROO, HOKKAIKO,JAPAN.										
BRN	+I	Z ET	P	02 55 11.7	4.0	3.80	9	8500 76.5	33.2	332.7
	-E	E ET	S	03 04 52.-	5.0	4.00	4			
HLG	+I	Z SL	P	02 55 13.0	12.0		9	8520 76.6	29.8	336.4
HOF	-I	Z SL	P	02 55 24.-	2.0	3.53	9	8750 78.7	32.0	332.2
		Z SL	RM	03 33 30.-	21.0	5.97				
ROC	+I	Z B4	P	02 55 26.4	2.0	4.08	3	8800 79.2	29.0	335.4
	+I	E B4	S	03 05 24.4	4.5	4.36	3			
		Z B4	MAXIMUM	03 35 41.4	19.0	6.08				
GRF	+I	Z BE	P	02 55 28.3	0.9	2.50	9	8830 79.4	31.5	332.3
	E	Z BE	AP	02 55 30.0			2			
BNS	+I	Z FS	P	02 55 28.8	1.5	3.24		8860 79.6	29.0	335.2
	+I	Z SL	-	02 55 29.-	26.0					
	-I	N X	S	03 05 28.0	4.0	3.71				
	-I	Z SL	SS	03 11 24.-						
	I	Z SL	LR	03 21 16.-	56.0					
		Z SL	-	03 35 00.-	20.0					
TNS	II	Z SL	P	02 55 30.0			9	8880 79.9	29.7	334.1
	I	Z SL	PCP	02 55 54.0			9			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	Z	SL	PP 02 58 34.0			9				
	N	SL	S 03 05 32.0			9				
FUR	+I	Z SL	P 02 55 36.-	1.0	2.68	9	8980	80.7	31.4	331.4
		E SL	RM 03 36 00.-	16.0	5.50					
STU	+I	Z BE	P 02 55 35.5	1.0	3.08	6	9000	80.9	30.1	332.9
KPL	+I	Z WH	P 02 55 36.0	2.0		9	9000	81.0	29.6	333.5
BUH	+I	Z GT	P 02 55 37.5				9040	81.3	29.5	333.5
JUN 24 ERL										
H= 03 04 18.6										
LAT = 43.2 N										
LONG= 146.8 E										
DEPTH= 55 KM										
MAGNITUDE= 5.8										
KURIL ISLANDS										
GRF	+I	Z BE	P 03 16 22.3	0.8	2.27		8860	79.7	31.4	332.5
BNS	+I	Z FS	P 03 16 22.5	2.0	2.45		8880	79.9	28.8	335.4
	+I	Z FS	- 03 16 29.3							
FUR	+I	Z SL	P 03 16 30.-	1.0	2.98	9	9000	80.9	31.3	331.6
	+I	Z SL	PCP 03 16 34.-	2.0	2.64	2				
BUH	+I	Z GT	P 03 16 31.6				9070	81.5	29.3	333.7
JUN 24										
NO DETERMINATION OF EPICENTER										
GRF	E	Z BE	P 03 08 50.8							
JUN 24										
NO DETERMINATION OF EPICENTER										
GRF	E	Z BE	P 03 22 46.0	0.8	1.10	2				
JUN 24										
NO DETERMINATION OF EPICENTER										
GRF	E	Z BE	P 03 26 10.0			1				
JUN 24 ERL										
H= 03 28 38.5										
LAT = 43.3 N										
LONG= 146.8 E										
DEPTH= 47 KM										
MAGNITUDE= 5.5										
KURIL ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
GRF	+I Z BE	P	03 40 42.6	0.7	1.60	2	8850	79.6	31.3 332.5
	E Z BE	-	03 40 47.3			2			
	E Z BE	AP	03 41 00.3			1			
BNS	E Z FS	P	03 40 42.0				8870	79.8	28.7 335.4
	E Z FS	-	03 40 47.5						
BUH	E Z GT	P	03 40 52.0				9060	81.4	29.2 333.7

JUN 24
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	03 30 28.4			1			

JUN 24 ERL
H= 03 40 35.0
LAT = 43.2 N
LONG= 146.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
KURIL ISLANDS

GRF	E Z BE	P	03 52 41.2	0.7	1.30	1	8850	79.6	31.4 332.4

JUN 24 ERL
H= 03 47 45.8
LAT = 43.0 N
LONG= 146.6 E
DEPTH= 37 KM
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	E Z BE	P	03 53 52.0			1	8870	79.8	31.6 332.4

JUN 24 ERL
H= 03 54 06.2
LAT = 43.1 N
LONG= 146.6 E
DEPTH= 35 KM
MAGNITUDE= 4.7
KURIL ISLANDS

GRF	E Z BE	P	03 56 09.6			1	8860	79.7	31.5 332.4

JUN 24
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	04 23 33.4			1			

JUN 24
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
GRF	E Z BE	P	04 38 11.6			1			

JUN 24 ERL
H= 04 43 25.7
LAT = 43.1 N
LONG= 146.7 E
DEPTH= 62 KM
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	E Z BE	P	04 55 29.2	0.8	1.40	2	8870	79.7	31.4 332.5

JUN 24 ERL
H= 05 07 46.8
LAT = 43.1 N
LONG= 146.6 E
DEPTH= 44 KM
MAGNITUDE= 5.8
KURIL ISLANDS

GRF	+I Z BE	P	05 19 51.4	0.9	1.98	4	8860	79.7	31.5 332.4
BNS	+I Z FS	P	05 19 51.9	1.1	1.95		8880	79.9	29.0 335.3
	I Z FS	-	05 20 06.4						
FUR	+I Z SL	P	05 19 59.-	1.8	2.53	9	9000	80.9	31.4 331.5
	+I Z SL	AP	05 20 08.-	1.5	1.84	3			
	+I Z SL	XP	05 20 12.-	1.5	1.96	1			
	+I Z SL	-	05 20 22.-	1.5	1.79	3			
	+I Z SL	-	05 20 34.-	1.8	2.13	9			
	+I Z SL	-	05 20 57.-	1.5	1.81	3			
	Z SL	PM	06 00 30.-	17.0	4.17				
STU	+E Z BE	P	05 19 58.0	1.0	2.09	3	9020	81.1	30.1 333.0
BUH	+I Z GT	P	05 20 00.6				9070	81.5	29.5 333.6

JUN 24 ERL
H= 07 08 52.1
LAT = 43.1 N
LONG= 146.7 E
DEPTH= 42 KM
MAGNITUDE= 4.8
KURIL ISLANDS

GRF	E Z BE	P	07 20 57.5			2	8860	79.7	31.5 332.4

JUN 24 ERL
H= 09 12 11.3
LAT = 43.3 N
LONG= 146.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.1
KURIL ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	09 24 16.8			1	8830	79.4	31.7	332.2
JUN 24 ERL H= 09 49 21.6 LAT = 42.9 N LONG= 146.5 E DEPTH= 54 KM MAGNITUDE= 4.4 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	10 01 26.0			1	8870	79.8	31.7	332.3
JUN 24 ERL H= 10 28 45.3 LAT = 43.2 N LONG= 146.7 E DEPTH= 59 KM MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	10 40 48.7			1	8850	79.6	31.4	332.4
JUN 24 ERL H= 10 40 46.8 LAT = 43.3 N LONG= 146.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	10 52 52.-			1	8850	79.6	31.3	332.4
JUN 24 ERL H= 10 53 54.1 LAT = 43.1 N LONG= 146.5 E DEPTH= 60 KM MAGNITUDE= 5.4 KURIL ISLANDS										
GRF	E Z BF	P	11 05 57.6	0.6	1.61	3	8860	79.7	31.6	332.3
BNS	I Z FS	P	11 05 58.0	1.0	1.30		8880	79.9	29.0	335.2
FUR	+I Z SL	P	11 06 04.-	1.5	1.49	6	9000	81.0	31.5	331.5
	+I Z SL	AP	11 06 16.-	1.3	1.59	2				
	+I Z SL	XP	11 06 19.-	1.5	1.28	2				
BUH	E Z GT	P	11 06 06.9				9070	81.5	29.6	333.5
JUN 24 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	12 02 44.6			1				
JUN 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	12 33 10.0			1				
JUN 24 BCS H= 13 24 14.0 LAT = 48.3 N LONG= 6.6 E FRANCE										
BUH	+I Z GT	PN	13 24 34.7				130	1.1	251.5	70.3
JUN 24 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 30 58.8							
JUN 24 EPL H= 17 15 10.4 LAT = 21.0 N LONG= 143.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 MARIANA ISLANDS REGION										
GRF	E Z BE	P	17 28 43.3			1	10870	97.7	44.6	330.8
	E Z BE	PP	17 32 13.-			1				
JUN 24 ERL H= 18 41 49.3 LAT = 43.1 N LONG= 146.9 E DEPTH= 36 KM MAGNITUDE= 5.2 KURIL ISLANDS										
GRF	E Z BE	P	18 53 56.3	0.8	1.27	2	8880	79.8	31.3	332.6
	E Z BE	AP	18 54 07.4			2				
BNS	E Z FS	P	18 53 56.5				8900	80.0	28.7	335.5
	E Z FS	-	18 54 07.8							
FUR	+E Z SL	P	18 54 05.-	1.8	1.65	2	9020	81.1	31.2	331.7
	+E Z SL	AP	18 54 15.-	1.5	1.28	3				
BUH	E Z GT	P	18 54 05.4				9090	81.7	29.3	333.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 24 ERL H= 20 00 16.1 LAT = 43.3 N LONG= 146.8 E DEPTH= 51 KM MAGNITUDE= 5.1 KURIL ISLANDS										
BRN	+E Z ET	P	20 12 03.-	2.4	2.50	5	8520	76.6	32.9	332.9
HOF	-E Z SL	P	20 12 15.-	1.5	2.48	9	8770	78.8	31.8	332.4
	+E Z SL	AP	20 12 26.-	1.0	2.19	5				
GRF	E Z BE	P	20 12 19.8			2	8850	79.6	31.3	332.5
	E Z BE	AP	20 12 30.6			2				
	E Z BE	-	20 13 09.0			1				
BNS	E Z FS	P	20 12 20.0	1.8	1.48		8870	79.8	28.7	335.4
	E Z FS	-	20 12 30.7							
FUP	-I Z SL	P	20 12 27.-	2.0	2.05	3	8990	80.9	31.2	331.6
	+E Z SL	PCP	20 12 33.-	1.5	1.18	1				
	-I Z SL	AP	20 12 38.-	1.5	1.53	9				
	-I Z SL	XP	20 12 44.-	1.5	1.54	2				
	Z SL	PM	20 53 10.-	14.0	3.08					
BUH	E Z GT	P	20 12 29.0				9060	81.4	29.2	333.7
JUN 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	20 46 41.6			1				
JUN 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	20 58 15.4			1				
JUN 24 ERL H= 21 36 54.2 LAT = 20.7 S LONG= 178.8 W DEPTH=624 KM MAGNITUDE= 4.2 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	21 55 37.2			1	16680	150.0	19.0	346.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 25 ERL H= 00 23 48.7 LAT = 43.0 N LONG= 147.1 E DEPTH= 67 KM MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	00 35 53.-			1	8880	79.9	31.3	332.6
JUN 25 ERL H= 00 37 37.6 LAT = 43.0 N LONG= 146.4 E DEPTH= 65 KM MAGNITUDE= 4.3 KURIL ISLANDS										
GRF	E Z BE	P	00 49 40.9			1	8860	79.7	31.7	332.3
JUN 25 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	04 34 27.6							
JUN 25 ERL H= 07 11 23.5 LAT = 52.9 N LONG= 174.7 W DEPTH=207 KM MAGNITUDE= 5.2 ANDREANOF ISLANDS, ALEUTTAN IS.										
BNS	E Z FS	P	07 22 51.8				8510	76.5	1.2	358.8
GRF	E Z BE	P	07 22 58.8	0.6	1.69	2	8630	77.6	3.7	356.1
	E Z BE	APCP	07 23 54.2			1				
BUH	+I Z GT	P	07 23 04.5				8760	78.8	1.8	358.0
JUN 25 ERL H= 07 19 46.3 LAT = 19.1 N LONG= 121.2 E DEPTH= 50 KM MAGNITUDE= 5.7 PHILIPPINE ISLANDS REGION										
BRN	+I Z ET	P	07 32 20.8	3.0	2.60	4	9510	85.5	64.5	324.2
	+E E ET	S	07 42 43.-			2				
	-E N ET	PPS	07 44 25.-	4.0	2.80	3				
HOF	-I Z SL	P	07 32 28.-	1.5	2.52	9	9690	87.2	63.3	322.7
	+E Z SL	-	07 32 35.-	1.5	2.37	7				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	XP	07 32 44.-	1.5	2.52	2				
	Z SL	RM	08 15 00.-	15.0	3.85					
GRF	E Z BE	P	07 32 31.7			1	9770	87.8	62.8	322.3
FUR	-I Z SL	P	07 32 35.-	2.0	2.10	2	9840	88.5	62.8	321.0
	+I Z SL	AP	07 32 47.-	1.5	1.79	9				
	+I Z SL	XP	07 32 52.-	1.3	1.89	2				
	+I Z SL	-	07 33 03.-	1.5	1.62	2				
	N SL	RM	08 18 30.-	16.0	3.37					
BNS	E Z FS	P	07 32 39.0				9950	89.5	59.8	324.7
	E Z FS	-	07 32 50.0	1.5	1.48					
BUH	E GT	P	07 32 41.0				10010	90.0	60.6	322.4

JUN 25
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	09 40 11.7			1				
	E N BE	SG	09 40 33.0			2				

JUN 25 ERL
H= 10 29 02.6
LAT = 30.0 N
LONG= 50.5 E
DEPTH= 48 KM
MAGNITUDE= 5.0
IRAN

JUN 25 BCS
H= 10 29 04.0
LAT = 30.0 N
LONG= 50.4 E
IRAN

FUR	+I Z SL	P	10 35 51.-	1.8	1.90	8	3890	34.9	106.9	312.4
GRF	E Z BE	P	10 35 55.5	0.6	1.21	2	3940	35.5	103.9	314.9

JUN 25 ERL
H= 11 37 51.6
LAT = 1.0 N
LONG= 126.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.7
MOLUCCA PASSAGE

GRF	E Z BE	P	11 51 57.8			1	11680	105.0	70.1	322.4
	E Z BE	PKP	11 55 56.-			1				
FUR	+I Z SL	APKP	11 56 25.-	1.5	1.66	9	11730	105.5	70.5	320.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUN 25
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+I Z SL	-	13 31 05.-	1.0	1.98	5				
	Z SL	MAXIMUM	13 32 20.-	1.5	1.54					

JUN 25 ERL
H= 16 12 33.4
LAT = 43.3 N
LONG= 146.9 E
DEPTH= 40 KM
MAGNITUDE= 4.3
KURIL ISLANDS

GRF	E Z BE	P	16 24 38.4			1	8850	79.6	31.3	332.5

JUN 25 ERL
H= 18 59 09.6
LAT = 43.7 N
LONG= 144.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.1
HOKKAIDO, JAPAN REGION

GRF	E Z BE	PCP	19 11 42.-			1	8710	78.3	32.8	331.0

JUN 25 ERL
H= 20 46 46.3
LAT = 6.9 N
LONG= 126.8 E
DEPTH= 73 KM
MAGNITUDE= 5.2
MINDANAO, PHILIPPINE ISLANDS

GRF	E Z BE	P	21 00 29.0			1	11210	100.8	65.7	323.4
	E Z BE	PKP	21 04 33.-			1				

JUN 26 EPL
H= 05 35 17.0
LAT = 52.2 N
LONG= 174.1 E
DEPTH= 41 KM
MAGNITUDE= 4.9
NEAR ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	05 47 10.0			1	8610	77.4	10.7	348.7
BUH	E Z GT	P	05 47 15.9				8760	78.7	8.8	350.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 26 ERL H= 11 39 23.9 LAT = 43.1 N LONG= 146.6 E DEPTH= 57 KM MAGNITUDE= 5.3 KURIL ISLANDS										
GRF	E Z BE	P	11 51 27.8			1	8860	79.7	31.5	332.4
BNS	+I Z FS	P	11 51 28.5	1.0	1.30		8890	79.9	29.0	335.3
FUP	+I Z SL	P	11 51 35.-	1.7	1.91	9	9010	81.0	31.4	331.5
BUH	E Z GT	P	11 51 37.2				9070	81.6	29.5	333.6
JUN 26 ERL H= 12 18 08.9 LAT = 43.1 N LONG= 146.0 E DEPTH= 46 KM MAGNITUDE= 5.3 KURIL ISLANDS										
GRF	E Z BE	P	12 30 12.4	1.0	1.60	1	8840	79.5	31.9	332.0
FUP	+I Z SL	P	12 30 20.-	1.7	1.86	3	8980	80.8	31.8	331.2
BUH	E Z GT	P	12 30 22.5				9050	81.4	29.9	333.2
JUN 26 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	13 38 07.4			1				
	E N BE	SG	13 38 30.0			1				
JUN 26 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 45 48.4							
JUN 26 ERL H= 18 02 24.1 LAT = 43.0 N LONG= 147.1 E DEPTH= 33 KM MAGNITUDE= 5.6 KURIL ISLANDS										
BRN	+I Z ET	P	18 14 14.6	3.6	3.20	9	8560	76.9	32.8	333.1
	+I Z ET	AP	18 14 25.4	2.5	3.00	2				
	-E N ET	S	18 24 01.-	5.0	3.15	3				
	+E N ET	XS	18 24 16.-	5.5	3.45	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HLG	Z SL	P	18 14 15.2			4	8570	77.1	29.4	336.8
HOF	-I Z SL	P	18 14 27.-	2.0	2.92	9	8800	79.2	31.7	332.6
	-E Z SL	PCP	18 14 33.-	4.0	3.14	4				
	+E Z SL	XP	18 14 38.-	3.5	3.25	4				
	Z SL	RM	18 55 40.-	14.0	4.32					
GRF	+E Z BE	P	18 14 30.9	0.8	1.83	3	8890	79.9	31.2	332.7
	E Z BE	AP	18 14 42.5			2				
BNS	+I Z FS	P	18 14 31.4	2.0	2.00		8910	80.1	28.6	335.6
	+I Z SL	-	18 14 32.-	10.0						
	I Z FS	-	18 14 42.2							
	E Z SL	PP	18 17 33.-							
	E Z SL	S	18 24 20.-							
	E Z SL	LR	18 42 00.-	39.0						
	Z SL	-	18 55 00.-	17.0						
TNS	IE Z SL	P	18 14 16.5			3	8940	80.4	29.4	334.5
FUP	+I Z SL	P	18 14 38.-	1.9	2.46	9	9030	81.2	31.1	331.8
	-I Z SL	AP	18 14 46.-	1.5	1.43	7				
	+I Z SL	XP	18 14 51.-	1.5	1.59	3				
	Z SL	RM	18 55 45.-	15.0	4.19					
STU	+E Z BE	P	18 14 38.5	0.8	1.53	3	9050	81.4	29.8	333.4
BUH	+E Z GT	P	18 14 40.5				9100	81.8	29.2	333.9
JUN 26 ERL H= 18 16 33.1 LAT = 43.8 N LONG= 145.7 E DEPTH= 43 KM MAGNITUDE= 4.4 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	18 23 33.6			1	8760	78.8	31.8	331.8
JUN 26 ERL H= 19 05 21.9 LAT = 34.3 N LONG= 26.1 E DEPTH= 38 KM MAGNITUDE= 4.8 CRETE										
JUN 26 BCS H= 19 05 24.0 LAT = 34.3 N LONG= 26.3 E DEPTH= 50 KM CRETE										
FUP	-I Z SL	P	19 09 28.-	1.8	1.85	2	1970	17.7	135.8	325.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	-E Z SL	XP	19 09 38.-	1.5	1.49	2				
	-E Z SL	XPCP	19 09 50.-	1.8	1.95	3				
	Z SL	PW	19 17 40.-	14.0	3.58					
[illegible]	E Z BE	P	19 09 40.9	0.7	1.30	1	2100	18.9	138.8	328.9
[illegible]	-E Z GT	P	19 09 49.2				2170	19.6	130.5	322.5
[illegible]	E Z FS	P	19 10 10.0	1.3	1.60		2400	21.6	133.1	326.1
	E Z FS	-	19 10 21.-							

JUN 26 ERL
H= 22 37 22.4
LAT = 47.2 N
LONG= 146.6 E
DEPTH= 60 KM
MAGNITUDE= 5.4
KURIL ISLANDS

[illegible]	-E Z SL	P	22 43 48.0	3.0	3.20	9	8520	76.6	33.1	332.8
	-E Z ST	SP	22 44 03.8	5.0	3.65	5				
	-E Z ST	PP	22 46 39.-			2				
	-E Z ST	S	22 53 32.-	5.0	3.15	2				
HLS	+I Z SL	P	22 43 48.5			9	8540	76.8	29.7	336.5
HOF	-I Z SL	P	22 44 00.-	2.0	3.23	9	8770	78.8	32.0	332.3
	+I Z SL	APCP	22 44 20.-	2.0	3.23	8				
	Z SL	PW	23 23 30.-	15.0	5.20					
GRF	+I Z BE	P	22 44 04.3	0.8	2.09	6	8850	79.6	31.5	332.3
BNS	+I Z FS	P	22 44 04.8	2.5	2.52		8870	79.8	28.9	335.3
	Z SL	-	22 44 05.-	30.0						
	E E W	S	22 54 06.-							
	E Z SL	LR	23 09 40.-	56.0						
	Z SL	-	23 22 20.-	20.0						
TWO	+E Z SL	P	22 44 03.3			4	8900	80.1	29.7	334.2
FUR	+I Z SL	P	22 44 11.-	1.3	1.89	9	8990	80.9	31.4	331.5
	-I Z SL	PCP	22 44 18.-	1.5	2.13	9				
	Z SL	PW	23 25 00.-	16.0	5.10					
SYU	+E Z BE	P	22 44 11.8	1.0	2.19	6	9020	81.1	30.1	333.0
KPL	+E Z BH	P	22 44 12.4	1.5		5	9020	81.1	29.6	333.6
BUH	+I Z GT	P	22 44 13.5				9060	81.5	29.5	333.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

JUN 26 ERL
H= 22 41 34.6
LAT = 42.8 N
LONG= 146.7 E
DEPTH= 41 KM
MAGNITUDE= 5.5
OFF COAST OF HOKKAIDO, JAPAN

HOF	-I Z SL	P	22 53 38.-	1.5	2.52	9	8810	79.2	32.1	332.4
	+E Z SL	XP	22 53 50.-	2.0	2.80	3				
GRF	E Z BE	P	22 53 41.4	1.0	1.82	2	8890	80.0	31.6	332.5
BNS	+I Z FS	P	22 53 41.9	1.2	1.60		8910	80.2	29.0	335.4
FUP	-I Z SL	P	22 53 48.-	1.5	1.62	9	9030	81.2	31.5	331.6
	+I Z SL	-	22 53 55.-	1.5	1.59	9				
	-I Z SL	XP	22 54 03.-	1.9	2.05	3				
BUH	+E Z GT	P	22 53 50.6				9100	81.8	29.5	333.7

JUN 26 ERL
H= 22 45 32.5
LAT = 43.0 N
LONG= 146.7 E
DEPTH= 44 KM
MAGNITUDE= 5.4
KURIL ISLANDS

HOF	-I Z SL	P	22 57 33.-	3.0	3.38	9	8790	79.0	32.0	332.4
	+I Z SL	XP	22 57 45.-	5.0	3.48	2				
	+I Z SL	-	22 57 53.-	3.0	3.26	4				
GRF	E Z BE	P	22 57 38.1	0.8	1.57	2	8870	79.8	31.5	332.4
	E Z BE	AP	22 57 51.0			2				
BNS	+I Z FS	P	22 57 38.4	2.6	2.28		8900	80.0	29.0	335.3
	E Z FS	-	22 57 46.-							
FUR	+I Z SL	P	22 57 44.-	2.4	2.80	9	9010	81.1	31.4	331.6
	+I Z SL	PCP	22 57 50.-	1.8	2.15	3				
	+I Z SL	AP	22 57 53.-	1.8	2.13	9				
	+I Z SL	XP	22 57 58.-	1.8	2.40	4				
	-I Z SL	XPCP	22 58 04.-	2.0	2.27	3				
BUH	+E Z GT	P	22 57 47.3				9080	81.7	29.5	333.6

JUN 26 ERL
H= 22 57 13.0
LAT = 42.8 N
LONG= 146.6 E
DEPTH= 44 KM
MAGNITUDE= 5.3
OFF COAST OF HOKKAIDO, JAPAN

GRF	E Z BE	P	23 09 20.0			1	8890	80.0	31.6	332.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	AP	23 09 31.4			1				

JUN 26
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	23 37 21.0			1				

JUN 26 ERL
H= 23 51 16.8
LAT = 43.3 N
LONG= 146.5 E
DEPTH= 26 KM
MAGNITUDE= 4.1
KURIL ISLANDS

GRF	E Z BE	P	00 03 23.-			1	8840	79.5	31.5	332.3

JUN 27 ERL
H= 01 02 53.2
LAT = 42.8 N
LONG= 146.6 E
DEPTH= 41 KM
MAGNITUDE= 5.1
OFF COAST OF HOKKAIDO, JAPAN

GRF	E Z BE	P	01 15 06.5	1.0	1.30	1	8890	80.0	31.7	332.4
BNS	E Z FS	P	01 15 04.0				8920	80.2	29.1	335.3
FUR	-E Z SL	P	01 15 14.-	1.5	1.36	6	9040	81.3	31.6	331.6
	+I Z SL	XP	01 15 27.-	1.5	1.76	9				
BUH	E Z GT	P	01 15 15.8				9100	81.9	29.6	333.6

JUN 27
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	01 31 34.9			1				

JUN 27 ERL
H= 01 41 16.1
LAT = 43.1 N
LONG= 146.5 E
DEPTH= 46 KM
MAGNITUDE= 5.4
KURIL ISLANDS

BRN	+E Z ET	P	01 53 04.-	1.8	2.40	3	8530	76.7	33.2	332.7
GRF	+I Z BE	P	01 53 20.7	0.9	1.67	3	8860	79.6	31.6	332.3
	E Z BE	-	01 53 24.5			2				
	E Z BE	AP	01 53 36.3			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z FS	P	01 53 21.0	1.3	1.60		8880	79.9	29.0	335.2
	E Z FS	-	01 53 35.-							
FUR	+I Z SL	P	01 53 27.-	1.5	1.66	9	9000	80.9	31.5	331.5
	+I Z SL	XP	01 53 43.-	1.3	1.95	2				
STU	+E Z BE	P	01 53 27.7	1.0	1.79	2	9020	81.1	30.2	333.0
BUH	+E Z GT	P	01 53 29.9				9070	81.5	29.5	333.5

JUN 27 ERL
H= 03 15 20.4
LAT = 43.1 N
LONG= 146.8 E
DEPTH= 45 KM (GEOPHYSICIST)
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	E Z BE	P	03 27 25.6	0.7	1.30	1	8860	79.7	31.4	332.5
	E Z BE	-	03 27 35.0			1				
BNS	E Z FS	P	03 27 25.5				8890	79.9	28.8	335.4
FUR	-I Z SL	P	03 27 32.-	1.8	1.85	4	9010	81.0	31.3	331.6
	+I Z SL	AP	03 27 42.-	1.5	1.43	2				
	-E Z SL	XPCP	03 27 55.-	1.5	1.28	3				
BUH	E Z GT	P	03 27 35.1				9070	81.6	29.3	333.7

JUN 27 ERL
H= 03 42 38.0
LAT = 42.6 N
LONG= 145.8 E
DEPTH= 38 KM
MAGNITUDE= 5.2
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	03 54 44.9	0.7	1.30	1	8880	79.9	32.3	332.0
	E Z BE	AP	03 54 55.6			1				
BNS	E Z FS	P	03 54 46.0				8910	80.1	29.7	334.9
FUR	-I Z SL	P	03 54 52.-	1.7	1.69	6	9020	81.2	32.2	331.1
	+E Z SL	PCP	03 54 58.-	1.8	1.78	6				
	+E Z SL	XP	03 55 05.-	1.8	1.70	3				
	-E Z SL	-	03 55 20.-	1.8	1.70	2				
BUH	E Z GT	P	03 54 55.0				9090	81.8	30.3	333.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 27 ERL H= 03 59 51.0 LAT = 40.6 N LONG= 89.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	04 09 12.3	1.0	1.30	1	5970	53.6	67.9	307.3
FUR	-I Z SL	P	04 09 17.-	1.5	1.54	2	6030	54.2	66.9	306.1
	N SL	RM	04 34 40.-	16.0	3.61					
JUN 27 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	08 11 25.-			1				
JUN 27 ERL H= 11 50 40.0 LAT = 53.2 N LONG= 159.8 E DEPTH= 40 KM MAGNITUDE= 5.0 NEAR EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	12 02 14.9	0.9	1.59	1	8240	74.1	19.1	339.4
JUN 27 ERL H= 12 16 48.7 LAT = 30.6 S LONG= 178.0 W DEPTH= 42 KM MAGNITUDE= 5.3 KERMADEC ISLANDS										
GRF	E Z BE	PKP2	12 37 22.0	1.4	2.00	1	17750	159.7	23.5	342.5
	E Z BE	-	12 37 25.8			1				
FUR	-I Z SL	PKP2	12 37 27.-	1.5	1.70	4	17910	161.0	25.4	340.5
JUN 27 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	13 06 56.8			1				
	E Z BE	PG	13 06 57.5			1				
	E N BE	SG	13 07 17.6			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 27 ERL H= 13 11 11.0 LAT = 40.6 N LONG= 79.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	13 19 43.7			2	5260	47.3	73.9	305.0
FUR	-E Z SL	P	13 19 47.-	1.8	1.95	3	5310	47.7	72.6	303.0
JUN 27 ERL H= 20 22 27.2 LAT = 42.7 N LONG= 145.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	20 34 33.6			1	8860	79.7	32.5	331.8
JUN 27 ERL H= 20 54 51.5 LAT = 23.7 S LONG= 179.9 E DEPTH=539 KM MAGNITUDE= 4.7 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	21 14 01.-			1	16970	152.6	23.1	343.9
JUN 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	01 53 11.5	0.6	0.92	1				
JUN 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	05 47 51.8			1				
JUN 28 ERL H= 10 28 56.5 LAT = 18.2 S LONG= 178.6 W DEPTH=642 KM MAGNITUDE= 4.5 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	10 47 32.0			2	16410	147.6	17.6	348.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 28 ERL H= 10 49 33.4 LAT = 23.4 N LONG= 123.5 E DEPTH= 41 KM MAGNITUDE= 5.2 SOUTHWESTERN RYUKYU ISLANDS										
HOF	Z SL	RM	11 44 30.-	13.0	3.72		9460	85.1	59.0	323.3
GRF	E Z BE	P	11 02 10.0			1	9540	85.8	58.5	322.9
	E Z BE	AP	11 02 21.8			1				
BNS	E Z FS	P	11 02 17.4				9700	87.2	55.5	325.4
	E Z FS	-	11 02 29.-							
BUH	E Z GT	P	11 02 20.1				9780	88.0	56.3	323.1
JUN 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 17 07.6			1				
	E E BE	SG	11 17 28.9			2				
JUN 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 26 08.3			1				
	E N BE	SG	11 26 35.0			1				
JUN 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	13 16 07.7			2				
JUN 28 ERL H= 14 11 03.0 LAT = 12.8 S LONG= 166.7 E DEPTH=146 KM MAGNITUDE= 5.5 SANTA CRUZ ISLANDS										
GRF	E Z BE	PKP	14 30 04.-			1	15350	138.0	37.3	336.2
	E Z BE	PP	14 33 01.0			1				
BUH	E Z GT	PKP	14 30 08.4				15570	140.0	33.9	337.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUN 28 BCS H= 15 57 34.0 LAT = 48.3 N LONG= 6.6 E FRANCE										
BUH	E Z GT	PN	15 57 54.8				130	1.1	251.5	70.3
JUN 28 ERL H= 19 15 12.4 LAT = 37.1 N LONG= 116.1 W DEPTH= 0 KM MAGNITUDE= 4.9 SOUTHERN NEVADA NOS= 37 DEG. 08 MIN. 54.3 SEC. N, 116 DEG. 05 MIN. 03.1 SEC. W. #PORTULACA# NEVADA TEST SITE (AEC). MAG. 5.2 (BRK).										
GRF	E Z BE	P	19 27 34.4			1	9100	81.8	320.0	31.5
JUN 28 ERL H= 20 23 01.7 LAT = 5.5 S LONG= 131.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 BANDA SEA										
GRF	E Z BE	PKP	20 42 25.-			1	12610	113.4	69.6	322.3
JUN 28 ERL H= 21 58 02.9 LAT = 29.1 N LONG= 103.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 SZECHWAN PROVINCE, CHINA										
GRF	E Z BE	P	22 09 13.1	0.8	1.21	2	7770	69.9	68.7	316.3
FUR	+I Z SL	P	22 09 16.-	1.3	1.84	9	7830	70.4	68.2	314.8
BUH	E Z GT	P	22 09 25.8				8010	72.1	66.3	316.1
JUN 28 ERL H= 21 59 30.3 LAT = 28.9 N LONG= 103.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 SZECHWAN PROVINCE, CHINA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	-I Z SL	P	22 10 38.-	3.0	2.78	9	7720	69.4	69.4	316.8
GRF	E Z BE	P	22 10 41.0	1.2	1.93	2	7790	70.0	68.8	316.3
FUR	+I Z SL	P	22 10 44.-	1.2	2.40	9	7840	70.5	68.3	314.3
	+E Z SL	XPCP	22 11 24.-	2.0	1.94	7				
BUH	E Z GT	P	22 10 53.8				8030	72.2	66.4	316.1

JUN 28 ERL
H= 22 04 43.1
LAT = 29.1 N
LONG= 103.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
SZECHWAN PROVINCE, CHINA

GRF	E Z BE	P	22 15 53.0			1	7770	69.8	68.6	316.3
FUR	+I Z SL	AP	22 16 04.-	1.3	1.59	5	7820	70.4	68.1	314.7
	+E Z SL	PCP	22 16 14.-	1.3	1.49	4				

JUN 29 ERL
H= 00 04 46.8
LAT = 28.9 N
LONG= 103.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
SZECHWAN PROVINCE, CHINA

GRF	E Z BE	P	00 15 58.4			1	7800	70.1	68.7	316.4

JUN 29 ERL
H= 01 27 53.8
LAT = 43.6 N
LONG= 146.0 E
DEPTH= 58 KM
MAGNITUDE= 4.9
KURIL ISLANDS

GRF	E Z BE	P	01 39 54.2	0.8	1.27	2	8790	79.0	31.7	332.0

JUN 29
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 17 52.6			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	+I Z SL	PP	02 40 49.-	2.0	2.77	5	10770	96.9	45.0	330.9
GRF	E Z BE	P	02 36 54.8	2.0	2.04	2	10860	97.6	44.5	330.8
	E Z BE	-	02 40 10.-			1				
	E Z BE	PP	02 40 53.8			1				

JUN 29 ERL
H= 02 23 20.9
LAT = 21.1 N
LONG= 143.1 E
DEPTH= 24 KM
MAGNITUDE= 5.7
MARIANA ISLANDS REGION

HOF	+I Z SL	PP	02 40 49.-	2.0	2.77	5	10770	96.9	45.0	330.9
GRF	E Z BE	P	02 36 54.8	2.0	2.04	2	10860	97.6	44.5	330.8
	E Z BE	-	02 40 10.-			1				
	E Z BE	PP	02 40 53.8			1				

JUN 29 EPL
H= 03 26 53.?
LAT = 43.4 N
LONG= 145.8 E
DEPTH= 50 KM (GEOPHYSICIST)
MAGNITUDE= 5.9
HOKKAIDO, JAPAN REGION

BRN	+I Z ET	P	03 38 37.7	1.8	3.10	9	8470	76.2	33.5	332.3
	-E N ET	S	03 48 17.-	5.5	3.20	5				
	-E N ET	XS	03 48 40.-							
HOF	-I Z SL	P	03 38 51.-	1.5	2.64	9	8720	78.4	32.4	331.9
	+I Z SL	XPCP	03 39 16.-	1.5	2.64	3				
	Z SL	RM	04 17 00.-	18.0	3.85					
GRF	+I Z BE	P	03 38 54.6	0.8	2.51	9	8800	79.1	31.9	331.9
BNS	+I Z FS	P	03 38 54.8	1.0	2.30		8830	79.4	29.4	334.8
	E Z FS	-	03 39 08.5							
TNS	E Z B	P	03 38 56.5				8850	79.6	30.1	333.7
FUR	+I Z SL	P	03 39 00.-	1.7	2.61	9	8940	80.4	31.8	331.0
	-I Z SL	AP	03 39 10.-	1.3	2.00	2				
	+I Z SL	XP	03 39 15.-	1.5	2.59	3				
	N SL	RM	04 18 00.-	20.0	3.55					
STU	+I Z BE	P	03 39 02.0	1.0	2.53	5	8960	80.6	30.5	332.6
BUH	+I Z GT	P	03 39 03.9				9010	81.0	29.9	333.1

JUN 29 ERL
H= 07 55 11.9
LAT = 3.9 N
LONG= 85.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
OFF COAST OF CENTRAL AMERICA

GRF	E Z BE	P	08 08 15.-			1	10130	91.1	277.2	40.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 29 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	09 25 59.0							
JUN 29 NO DETERMINATION OF EPICENTER										
HOF= EXPLOSION.										
HOF	+I Z SL	P	11 39 57.-	1.5	2.67	9				
	+I Z SL	-	11 40 16.-	1.5	2.67	9				
GRF	E Z BE	PG	11 40 06.8			1				
	E Z BE	-	11 40 08.0			2				
	E N BE	SG	11 40 35.9			2				
BUH	E Z GT	PN	11 40 48.3							
JUN 29 ERL H= 12 19 22.7 LAT = 49.2 N LONG= 156.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 KURIL ISLANDS										
GRF	+E Z BE	P	12 31 14.4	0.8	1.57	2	8560	77.0	22.8	337.5
FUR	+E Z SL	P	12 31 21.-	1.5	1.43	7	8720	78.4	22.7	336.9
BUH	E Z GT	P	12 31 23.2				8750	78.7	20.8	339.0
JUN 29 NFB H= 15 05 00.4 LAT = 51.0 N LONG= 9.2 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
NFB= QUARRYBLAST AT DORHEIM/HESSEN. SHOTPIONT NO. 13. H= 15 05 00.4, 50 DEG. 57 MIN. 51.6 SEC. N, 9 DEG. 13 MIN. 9 SEC. E, HEIGHT= 320 METERS, CHARGE= 5.4 TONS.										
BNS	E Z FS	PG	15 05 24.9				140	1.3	89.2	270.8
	E N X	SG	15 05 43.3							
	E Z FS		15 06 04.-							
GRF	E Z BE	PN	15 05 33.2			4	200	1.8	315.5	134.0
	E Z BE	-	15 05 36.0			4				
	E Z BE	PG	15 05 38.5			6				
	E E BE	SG	15 06 00.4			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUN 29 ERL H= 15 40 17.9 LAT = 46.4 S LONG= 95.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 SOUTHEAST INDIAN RISE										
GRF	E Z BE	P	15 56 24.3			2	13400	120.5	126.9	311.4
JUN 29 ERL H= 16 39 00.1 LAT = 43.3 N LONG= 146.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 KURIL ISLANDS										
GRF	E Z BE	P	16 51 02.7			1	6850	79.6	31.3	332.5
	E Z BE	AP	16 51 15.6			2				
JUN 29 ERL H= 17 52 00.8 LAT = 28.8 N LONG= 103.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 SZECHWAN PROVINCE, CHINA										
GRF	+E Z BE	P	18 03 12.1			3	7790	70.1	68.8	316.4
FUR	+I Z SL	P	18 03 15.-	1.5	1.76	9	7850	70.6	68.3	314.8
	-I Z SL	AP	18 03 25.-	1.5	1.36	1				
	+I Z SL	-	18 03 31.-	1.5	1.36	2				
BUH	E Z GT	P	18 03 24.4				8040	72.3	66.5	316.2
JUN 29 NO DETERMINATION OF EPICENTER										
GRF	-E Z BE	P	22 01 41.7			2				
JUN 29 ERL H= 23 14 14.3 LAT = 54.0 N LONG= 35.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 NORTH ATLANTIC OCEAN										
BNS	E Z FS	P	23 19 46.0	1.7	1.48		2860	25.7	293.3	79.3
BUH	E Z GT	P	23 19 57.5				3030	27.3	297.7	83.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	23 20 09.1			2	3130	28.6	296.6	79.4
FUR	+E Z SL	-	23 20 16.-	1.9	1.83	6	3260	29.3	299.0	82.2

JUN 30
NO DETERMINATION OF EPICENTER

BNS	E Z FS	P	00 01 05.3	1.4	1.30					

JUN 30 ERL
H= 01 36 42.6
LAT = 54.2 N
LONG= 35.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.1
NORTH ATLANTIC OCEAN

BUH	E Z GT	P	01 42 25.0				3030	27.3	298.2	83.7

JUN 30 ERL
H= 05 24 10.0
LAT = 19.9 S
LONG= 177.6 W
DEPTH=576 KM
MAGNITUDE= 5.0
FIJI ISLANDS REGION

GRF	-E Z BE	PKP	05 42 55.9			4	16610	149.4	16.5	348.7
	+E Z BE	-	05 43 02.6			5				
FUR	+I Z SL	PKP1	05 42 58.-	1.5	1.43	2	16780	150.9	17.4	347.7
	-I Z SL	PKHKP	05 43 03.-	1.8	1.90	3				
BUH	E Z GT	PKP	05 42 58.4				16780	150.9	11.4	352.0

JUN 30 ERL
H= 08 08 57.6
LAT = 13.8 N
LONG= 90.9 W
DEPTH= 78 KM
MAGNITUDE= 5.1
NEAR COAST OF GUATEMALA

GRF	E Z BE	P	08 21 39.2			2	9710	87.3	288.0	39.5

JUN 30 ERL
H= 10 04 15.8
LAT = 17.2 S
LONG= 172.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
TONGA ISLANDS REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	PKP	10 24 00.-			1	16400	147.5	6.6	355.5

JUN 30
NO DETERMINATION OF EPICENTER

BNS	E Z FS	P	10 31 53.0	1.2	1.48					

JUN 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	10 55 48.7							

JUN 30 ERL
H= 17 43 27.6
LAT = 22.9 N
LONG= 121.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
TAIWAN REGION

GRF	E Z BE	P	17 56 02.0			2	9450	85.0	60.4	322.3
	-I Z BE	-	17 56 06.4			3				
FUR	+I Z SL	P	17 56 05.-	1.8	1.85	7	9530	85.7	60.3	320.9
	+I Z SL	XPCP	17 56 23.-	1.5	1.49	2				
BNS	I Z FS	P	17 56 12.9	1.5	1.30		9630	86.6	57.4	324.7
BUH	E Z GT	P	17 56 12.5				9700	87.2	58.1	322.4

JUN 30 ERL
H= 17 55 55.9
LAT = 52.7 N
LONG= 172.3 E
DEPTH= 44 KM
MAGNITUDE= 5.4
NEAR ISLANDS, ALEUTIAN ISLANDS

BNS	I Z FS	P	18 07 39.5	2.0	1.60		8440	75.9	9.3	350.3
	Z SL	-	18 36 20.-	24.0						
GRF	+E Z BE	P	18 07 44.6	1.4	2.18	2	8530	76.7	11.7	347.5
	E Z BE	AP	18 08 03.1			2				
BUH	E Z GT	P	18 07 51.9				8680	78.0	9.8	349.3
FUR	-I Z SL	P	18 07 53.-	1.7	2.09	9	8690	78.2	11.7	347.1
	+E Z SL	APCP	18 08 08.-	1.5	1.24	2				
	+I Z SL	-	18 08 12.-	1.3	1.73	2				
	+I Z SL	-	18 08 19.-	1.5	1.59	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 01 ERL H= 15 12 05.0 LAT = 57.8 N LONG= 137.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 OFF COAST OF SOUTHEASTERN ALASKA										
BNS	E Z FS	P	15 23 01.5	1.6	1.48		7540	67.8	340.3	23.4
GRF	+E Z BE	P	15 23 14.3	1.1	1.66	3	7760	69.8	342.6	21.2
	E Z BE	AP	15 23 22.2			2				
BUH	E Z GT	P	15 23 16.5				7800	70.2	341.2	23.5
FUP	+I Z SL	P	15 23 23.-	1.5	1.49	8	7920	71.3	342.8	21.6
	+E Z SL	AP	15 23 32.-	1.5	1.36	2				
	-E Z SL	PCP	15 23 40.-	1.8	1.70	3				
JUL 02 ERL H= 01 04 55.9 LAT = 49.5 N LONG= 28.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 NORTH ATLANTIC RIDGE										
BNS	E Z FS	P	01 09 55.5	1.5	1.70		2530	22.7	280.4	72.6
	F Z FS	-	01 10 10.3							
	E Z SL	LR	01 15 30.-	37.0						
	Z SL	-	01 18 00.-	20.0						
BUH	E Z GT	P	01 10 07.9				2660	23.9	286.0	77.9
GRF	+E Z BE	P	01 10 23.6	1.4	1.90	4	2840	25.5	285.0	74.3
HOF	Z SL	OM	01 21 30.-	15.0	2.52		2870	25.8	284.0	72.7
FUP	+I Z SL	P	01 10 28.-	1.9	2.30	9	2890	26.0	286.0	77.6
	+I Z SL	XP	01 10 38.-	1.8	2.08	2				
	-E Z SL	-	01 10 52.-	1.8	2.11	9				
	+I Z SL	-	01 10 58.-	1.8	2.18	5				
	+I Z SL	PP	01 11 08.-	1.8	2.15	2				
	+I Z SL	-	01 11 23.-	1.5	2.59	9				
	+E Z SL	-	01 11 31.-	2.0	2.00	2				
	E SL	OM	01 21 00.-	16.0	3.35					
JUL 02 ERL H= 01 38 06.1 LAT = 49.8 N LONG= 28.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 NORTH ATLANTIC RIDGE										
GRF	E Z BE	P	01 43 34.5			2	2830	25.4	285.5	74.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 02 ERL H= 01 45 59.4 LAT = 84.1 N LONG= 0.6 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 NORTH OF SVALBARD										
GRF	E Z BE	P	01 52 48.2			2	3860	34.7	357.9	166.5
JUL 02 ERL H= 05 51 30.9 LAT = 42.9 N LONG= 145.4 E DEPTH= 57 KM MAGNITUDE= 5.2 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	06 03 33.1	0.9	1.54	4	8830	79.4	32.4	331.7
	E Z BE	-	06 03 45.1			2				
	E Z BE	AP	06 03 49.8			3				
BNS	E Z FS	P	06 03 33.8				8860	79.7	29.8	334.6
	E Z FS	-	06 03 45.5							
FUP	-I Z SL	P	06 03 40.-	1.7	1.76	2	8870	80.7	32.3	330.9
	+E Z SL	AP	06 03 52.-	1.5	1.28	2				
	-I Z SL	APCP	06 03 58.-	1.7	1.76	2				
	+I Z SL	XPCP	06 04 05.-	1.5	1.59	2				
BUH	E Z GT	P	06 03 42.4				9040	81.3	30.3	332.9
JUL 02 ERL H= 05 56 12.4 LAT = 54.0 N LONG= 164.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 KOMANDORSKY ISLANDS REGION										
HOF	+I Z SL	P	06 07 43.-	1.5	2.70	9	8170	73.4	16.7	341.8
	+I Z SL	PCP	06 07 53.-	1.5	2.43	4				
BNS	E Z FS	P	06 07 44.0	1.5	1.60		8180	73.6	13.9	345.0
	E Z FS	-	06 07 54.-							
GRF	-E Z BE	P	06 07 48.1	0.9	2.12	5	8240	74.1	16.2	342.1
	+E Z BE	AP	06 07 57.5			6				
FUP	-I Z SL	P	06 07 57.-	1.5	1.76	9	8410	75.6	16.2	341.6
	-I Z SL	PCP	06 08 04.-	1.8	2.00	5				
BUH	E Z GT	P	06 07 55.8				8410	75.6	14.4	343.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 02 ERL H= 11 01 26.7 LAT = 46.7 N LONG= 6.8 E DEPTH= 33 KM (NORMAL) SWITZERLAND										
BUH	E Z GT	PN	11 01 59.7				240	2.2	207.0	25.9
JUL 02 BCS H= 12 14 07.0 LAT = 39.7 N LONG= 24.1 E AEGEAN SEA										
JUL 02 ERL H= 12 14 08.3 LAT = 39.7 N LONG= 24.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 AEGEAN SEA										
FUR	Z SL	MAXIMUM	12 21 30.-	3.0	2.35		1390	12.5	127.8	316.7
JUL 02 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	16 41 15.4							
GRF	E Z BE	P	16 41 24.6			1				
JUL 02 ERL H= 13 22 10.4 LAT = 17.2 N LONG= 71.7 W DEPTH= 25 KM MAGNITUDE= 4.8 DOMINICAN REPUBLIC REGION										
BUH	E Z GT	P	18 33 26.4				7860	70.7	274.2	43.8
GRF	E Z BE	P	18 33 37.6			2	8070	72.5	276.1	42.5
FUR	-I Z SL	P	18 33 39.-	1.8	1.78	3	8090	72.7	276.6	44.1
	+I Z SL	AP	18 33 47.-	2.0	1.80	1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 02 ERL H= 19 55 26.0 LAT = 29.7 S LONG= 177.6 W DEPTH= 51 KM MAGNITUDE= 4.8 KERMADEC ISLANDS										
GRF	E Z BE	PKP	20 15 55.9			2	17680	159.0	21.9	343.8
FUR	-I Z SL	PKP2	20 16 01.-	2.0	2.05	3	17830	160.4	23.6	342.0
	+E Z SL	APKP	20 16 09.-	1.9	1.75	5				
	-E Z SL	XPKP	20 16 16.-	2.0	1.80	3				
JUL 02 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	23 38 22.5			1				
JUL 03 ERL H= 03 59 53.7 LAT = 19.1 N LONG= 101.8 W DEPTH=125 KM MAGNITUDE= 5.6 MICHOACAN, MEXICO										
BNS	+I Z FS	P	04 12 26.5	1.5	1.60		9640	86.7	296.4	36.8
	E Z FS	-	04 13 15.-							
	E Z SL	PP	04 15 46.-							
	E Z SL	S	04 23 00.-							
	Z SL	LR	04 41 00.-							
	Z SL	-	04 42 30.-	44.0						
BUH	E Z GT	P	04 12 32.9				9830	88.4	297.3	38.5
GRF	E Z BE	P	04 12 39.4	1.1	1.66	2	9960	89.6	299.5	36.7
	E Z BE	-	04 15 23.1			1				
	E Z BE	PP	04 16 04.2			1				
	E Z BE	XPP	04 16 30.5			1				
	E Z BE	SP	04 24 26.1			2				
HOF	-I Z SL	P	04 12 40.-	1.5	2.37	7	9970	89.7	300.0	35.9
FUR	-I Z SL	P	04 12 43.-	2.0	1.94	7	10050	90.4	299.6	38.0
	-E Z SL	XP	04 13 22.-	1.8	1.70	5				
JUL 03 ERL H= 06 37 34.4 LAT = 12.3 N LONG= 125.4 E DEPTH= 44 KM MAGNITUDE= 5.5 SAMAR, PHILIPPINE ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	-E Z SL	P	06 50 54.-	1.5	2.12	4	10570	95.1	64.1	323.8
GRF	E Z BE	P	06 50 57.2			2	10640	95.7	63.6	323.5
	E Z BE	PP	06 54 41.7			1				
FUR	+E Z SL	P	06 51 03.-	1.8	1.70	2	10720	96.4	63.8	322.1
	-E Z SL	APCP	06 51 08.-	1.8	1.70	3				
	-E Z SL	XPCP	06 51 20.-	2.0	2.10	9				
BNS	E Z SL	P	06 51 05.-				10830	97.4	60.3	325.8
	E Z FS	-	06 51 05.7							
	E Z SL	PP	06 55 05.-							
	E Z SL	SP	07 03 53.-							
BUH	E Z GT	P	06 51 06.2				10890	97.9	61.4	323.5

JUL 03 ERL
H= 07 03 43.9
LAT = 12.? N
LONG= 125.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 6.1
SAMAR, PHILIPPINE ISLANDS

HAM	E Z SX	P	07 17 03.-			2	10530	94.7	62.4	327.2
HOF	-I Z SL	P	07 17 05.-	1.5	3.12	9	10570	95.1	64.2	323.8
	+I Z SL	APCP	07 17 11.-	2.0	3.18	2				
	+I Z SL	AP	07 17 17.-	2.0	2.80	3				
	+E Z SL	-	07 19 35.-	2.0	2.32	5				
	-E Z SL	PP	07 20 57.-	3.0	2.96	3				
	-E Z SL	SKS	07 27 27.-	4.0	2.84	9				
	+E Z SL	SP	07 29 28.-	5.0	2.85	7				
	Z SL	RM	08 04 00.-	17.0	4.83					
HLG	+I Z SL	P	07 17 06.7	15.1		3	10610	95.4	60.6	328.4
GRF	E Z BE	P	07 17 08.4			2	10640	95.7	63.7	323.4
	E Z BE	PP	07 21 04.4			4				
FUR	+I Z SL	P	07 17 11.-	1.9	2.89	9	10720	96.4	63.9	322.0
	-I Z SL	APCP	07 17 16.-	2.0	2.88	2				
	-I Z SL	AP	07 17 22.-	2.0	2.57	5				
	-I Z SL	PP	07 21 02.-	1.8	2.15	3				
	+I Z SL	-	07 21 07.-	2.0	2.44	4				
	+I Z SL	APP	07 21 16.-	1.8	2.30	5				
	-I Z SL	XPP	07 21 23.-	1.7	2.16	3				
	-I Z SL	-	07 23 19.-	1.8	2.18	5				
	+I Z SL	-	07 25 06.-	2.0	2.14	9				
	-E Z SL	XS	07 28 37.-	2.4	2.33	3				
	N SL	RM	08 06 40.-	15.0	4.30					
STU	E Z BE	P	07 17 15.0	2.0	3.70	2	10820	97.3	62.2	323.2
BNS	+E Z FS	P	07 17 15.5	2.3	2.38		10830	97.4	60.4	325.8
	+I Z SL	-	07 17 16.-	16.0						
	E Z SL	PP	07 21 16.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	SP	07 30 00.-							
	E Z SL	LR	07 57 15.-							
	Z SL	-	08 05 30.-	17.0						
KRL	+I Z WH	P	07 17 18.4	2.2		4	10860	97.7	61.6	323.7
	+E Z ST	P	07 17 18.5	2.0		2				
BUH	E Z GT	P	07 17 17.4				10890	97.9	61.5	323.4

JUL 03 ERL
H= 07 57 24.0
LAT = 12.1 N
LONG= 125.4 E
DEPTH= 56 KM
MAGNITUDE= 5.3
SAMAR, PHILIPPINE ISLANDS

GRF	E Z BE	P	08 10 47.5			2	10650	95.8	63.7	323.4
	E Z BE	PP	08 14 38.1			2				
FUR	+E Z SL	P	08 10 48.-	1.5	1.28	5	10720	96.4	63.9	322.1

JUL 03 ERL
H= 10 57 07.5
LAT = 31.1 N
LONG= 130.2 E
DEPTH=139 KM
MAGNITUDE= 5.0
KYUSHU, JAPAN

HOF	-E Z SL	P	11 09 16.-	1.5	2.22	5	9160	82.4	49.7	325.3
GRF	+E Z BE	P	11 09 20.2	0.9	2.10	4	9240	83.1	49.1	325.1
FUR	-I Z SL	P	11 09 25.-	1.5	1.62	4	9350	84.1	49.0	323.9
	-E Z SL	APCP	11 10 03.-	1.8	1.70	2				

JUL 03
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+I Z SL	P	11 00 27.-	1.0	2.43	9				

JUL 03 BCS
H= 16 10 10.0
LAT = 43.9 N
LONG= 13.1 E
CENTRAL ITALY

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 03 ERL H= 16 10 12.4 LAT = 44.1 N LONG= 13.3 E DEPTH= 47 KM MAGNITUDE= 5.3 ADRIATIC SEA										
BCIS= FELT VI AT ANCONA (TRI).										
FUR	-E Z SL	PN	16 11 19.-	1.5	1.28	5	490	4.5	162.8	344.1
	+E Z SL	PB	16 11 27.-	1.3	1.89	3				
	-I Z SL	-	16 11 37.-	1.3	2.28	9				
	+I Z SL	-	16 11 42.-	1.3	2.23	3				
	-I Z SL	PG	16 11 49.-	1.8	2.45	2				
	+I Z SL	-	16 11 56.-	1.3	2.28	4				
	+I Z SL	SN	16 12 14.-	1.8	2.30	3				
	-I Z SL	SB	16 12 19.-	1.5	2.13	2				
	-I Z SL	SG	16 12 37.-	1.2	2.48	5				
	Z SL	MAXIMUM	16 13 30.-	1.7	2.86					
STU	+E Z BE	PN	16 11 33.7	1.0	1.96	2	620	5.6	149.5	332.3
	E N RE	SN	16 12 35.5	1.0	2.10	2				
BUH	E Z GT	PN	16 11 37.8				650	5.8	143.0	326.5
KRL	+E Z ST	PB	16 12 20.8	1.0		2	670	6.1	145.9	329.3
	+E Z WH	PG	16 12 33.0	1.2		2				
HOF	-I Z SL	SN	16 13 00.-	1.5	2.52	9	720	6.5	172.1	353.0
	-I Z SL	SB	16 13 23.-	1.5	2.48	2				
	+I Z SL	SG	16 13 41.-	1.5	2.63	8				
	Z SL	MAXIMUM	16 14 01.-	1.8	2.76					
BNS	E Z FS	PN	16 12 10.-				900	8.1	148.1	332.5
	E N X	SN	16 13 33.8							
	E N X		16 14 48.7	1.3	2.30					
JUL 03 ERL H= 16 53 35.1 LAT = 58.8 N LONG= 138.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 6.8 SOUTHEASTERN ALASKA										
MLS	+I Z SL	P	17 10 12.8			5	7210	64.8	340.7	21.3
MSH	E Z SX	P	17 10 20.-			5	7330	65.9	342.0	20.3
SHW	+I Z ET	P	17 10 30.0	7.6	3.23	3	7500	67.5	343.9	18.6
	+E Z ET	PP	17 12 59.-			2				
BNS	+I Z FS	P	17 10 31.2	2.3	2.85		7530	67.7	340.8	23.0
	+I Z SL	-	17 10 32.-	10.0						
	E Z SL	PP	17 13 02.-							
	E Z SL	S	17 19 29.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	SS	17 23 48.-							
	Z SL	LR	17 31 28.-	56.0						
	Z SL	-	17 40 50.-	18.0						
HOF	-I Z SL	P	17 10 41.-	3.5	3.59	9	7700	69.3	343.4	20.1
	-I Z SL	PCP	17 11 02.-	3.0	3.12	4				
	-I Z SL	XPCP	17 11 17.-	1.5	2.52	3				
	+I Z SL	PP	17 13 11.-	4.0	3.14	4				
	-I Z SL	PS	17 19 57.-	4.0	2.69	7				
	+I Z SL	PKPPKP	17 38 47.-	4.0	3.39	7				
	Z SL	RM	17 41 20.-	20.0	4.55					
GRF	+E Z BE	P	17 10 43.8	2.0	2.84	5	7760	69.7	343.1	20.7
	E Z BE	PKPPKP	17 38 43.4			2				
KRL	+I Z WH	P	17 10 45.0	3.0		9	7770	69.8	341.7	22.8
	+E Z ST	P	17 10 45.0	2.0		6				
BUH	E Z GT	P	17 10 46.3				7800	70.1	341.7	23.1
STU	+E Z BE	P	17 10 46.5	2.5	2.95	4	7810	70.2	342.1	22.4
FUR	+I Z SL	P	17 10 52.-	1.5	2.43	9	7920	71.2	343.3	21.2
	+I Z SL	-	17 10 56.-	1.5	2.34	9				
	-I Z SL	PCP	17 11 13.-	2.2	2.81	8				
	-I Z SL	APCP	17 11 20.-	1.8	2.54	6				
	+I Z SL	XPCP	17 11 26.-	2.0	2.44	3				
	-I Z SL	PP	17 13 31.-	2.2	2.73	4				
	-I Z SL	PPP	17 15 13.-	2.0	2.18	4				
	+I Z SL	-	17 16 08.-	2.0	2.14	2				
	-I Z SL	PKPPKP	17 38 39.-	2.0	2.09	9				
	+I Z SL	-	17 38 46.-	2.0	2.50	9				
	N SL	RM	17 40 00.-	22.0	4.03					
JUL 03 ERL H= 17 44 16.5 LAT = 58.0 N LONG= 137.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 SOUTHEASTERN ALASKA										
GRF	E Z BE	P	17 55 25.6			2	7750	69.7	343.0	20.8
JUL 03 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	18 58 12.3			2				
JUL 03 NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
BUH	E Z GT	PN	19 10 47.6							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUP	-E Z SL	-	19 11 15.-	?.0	1.80	5				
	Z SL	MAXIMUM	19 12 00.-	1.3	1.95					

JUL 04 ERL
H= 09 50 24.0
LAT = 52.1 N
LONG= 171.4 W
DEPTH= 41 KM
MAGNITUDE= 4.7
FOX ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	10 02 24.0	0.7	1.43	3	8740	78.6	1.6	358.3
BUH	E Z GT	P	10 02 29.2				8860	79.6	359.7	0.3
FUP	-E Z SL	-	10 04 22.-	1.6	1.18	1	8910	80.1	1.7	358.2
	-E Z SL	-	10 04 30.-	1.8	1.78	2				

JUL 04
NO DETERMINATION OF EPICENTER

FUP	-I Z SL	-	10 32 20.-	1.7	1.61	5				

JUL 04
NO DETERMINATION OF EPICENTER

FUP	-E Z SL	-	12 00 57.-	1.5	0.90	2				

JUL 04
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	15 14 44.0			1				

JUL 04
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	-E Z SL	P	15 54 32.-	1.5	2.30	6				
	-I Z SL	-	15 54 41.-	1.5	2.87	9				

JUL 04 ERL
H= 16 44 11.4
LAT = 27.2 N
LONG= 92.5 E
DEPTH= 26 KM
MAGNITUDE= 5.2
INDIA-CHINA BORDER REGION

GRF	E Z BE	P	16 54 47.7			2	7150	64.3	77.6	314.6
BUH	E Z GT	P	16 55 00.9				7390	66.4	75.1	314.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUL 04
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	17 20 18.6							

JUL 04 ERL
H= 17 26 24.9
LAT = 36.3 N
LONG= 139.7 E
DEPTH= 69 KM
MAGNITUDE= 4.2
HONSHU, JAPAN

GRF	E Z BE	P	17 38 44.8			1	9240	83.1	39.6	329.2

JUL 04 ERL
H= 21 04 46.3
LAT = 23.6 N
LONG= 94.8 E
DEPTH=127 KM
MAGNITUDE= 5.2
BURMA-INDIA BORDER REGION

GRF	E Z BE	P	21 15 36.4			2	7600	68.3	73.3	316.0
BUH	+I Z GT	P	21 15 48.9				7840	70.5	76.3	315.4

JUL 04 ERL
H= 21 29 22.5
LAT = 42.5 N
LONG= 146.0 E
DEPTH= 36 KM
MAGNITUDE= 4.9
OFF COAST OF HOKKAIDO, JAPAN

GRF	E Z BE	P	21 41 30.5			2	8890	80.0	32.2	332.1
	-E Z BE	PCP	21 41 43.2			4				

JUL 04 ERL
H= 23 48 43.0
LAT = 53.2 S
LONG= 22.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
SOUTH OF AFRICA

FUR	+I Z SL	P	00 02 34.-	2.5	2.05	5	11280	101.4	173.0	352.2
	+I Z SL	PP	00 06 42.-	1.7	2.03	9				
	+I Z SL	PKP1	00 07 01.-	1.5	1.59	5				
	-E Z SL	-	00 07 30.-	2.0	1.80	2				
	+E Z SL	-	00 09 27.-	2.9	2.26	6				
	Z SL	QH	00 40 00.-	35.0	3.16					
BUH	E Z GT	PP	00 06 46.0				11360	102.2	171.1	350.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	00 02 45.6			1	11450	102.9	172.9	352.4
	E Z BE	PP	00 06 51.6			2				
HOF	-E Z SL	PP	00 06 58.-	4.0	2.54	5	11510	103.5	173.3	352.9
	-E Z SL	PKP1	00 07 03.-	2.0	2.32	1				
BNS	E Z FS	PKP	00 07 02.-	2.8	2.00		11630	104.6	170.4	349.9
	E Z SL	SS	00 21 52.-							
	E Z SL	LR	00 38 36.-	40.0						
	Z SL	-	00 40 00.-	40.0						
HAM	E Z SX	-	00 07 22.-			1	11870	106.8	172.0	352.1

JUL 05 ERL
H= 00 58 45.0
LAT = 44.0 N
LONG= 147.8 E
DEPTH= 40 KM
MAGNITUDE= 5.5
KURIL ISLANDS

BRN	+I Z ET	P	01 10 31.8	5.0	2.63	5	8490	76.3	31.9	333.4
HAM	E Z SX	P	01 10 32.-			4	8500	76.4	29.8	335.7
HOF	-I Z SL	P	01 10 44.-	1.5	2.70	9	8740	78.6	30.8	333.0
	+E Z SL	PCP	01 10 53.-	1.5	2.30	2				
GRF	+I Z BE	P	01 10 48.9	1.0	1.62	6	8820	79.3	30.3	333.0
	+I Z BE	-	01 10 50.5			9				
	-I Z BE	-	01 10 52.3			4				
BNS	+I Z FS	P	01 10 48.8	1.8	1.95		8840	79.5	27.7	335.9
FUR	-I Z SL	P	01 10 57.-	2.0	2.40	5	8960	80.6	30.2	332.2
	-I Z SL	AP	01 11 06.-	2.0	2.10	2				
	+I Z SL	XP	01 11 11.-	2.0	2.05	9				
	Z SL	PM	01 51 00.-	18.0	4.73					
STU	E Z BE	P	01 10 55.5	1.5	2.11	2	8980	80.8	28.9	333.7
BUH	E Z GT	P	01 10 58.0				9020	81.2	28.2	334.2

JUL 05
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	00 59 53.4							
FUR	-E Z SL	-	01 00 01.-	1.6	1.18	2				
GRF	E Z BE	P	01 00 08.5			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUL 05 ERL
H= 03 25 00.4
LAT = 18.9 S
LONG= 169.4 E
DEPTH=251 KM
MAGNITUDE= 4.9
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	03 44 08.4			2	16090	144.7	37.4	335.3

JUL 05 ERL
H= 07 49 04.5
LAT = 57.9 N
LONG= 137.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
OFF COAST OF SOUTHEASTERN ALASKA

HLG	+ Z SL	P	07 59 42.-			2	7210	64.9	340.6	21.4
BNS	+I Z FS	P	08 00 01.2	2.2	2.04		7540	67.8	340.7	23.0
	E Z FS	-	08 01 02.6							
	E Z SL	LR	08 21 00.-	50.0						
	Z SL	-	08 30 00.-	19.0						
HOF	+E Z SL	P	08 00 07.-	1.5	2.22	5	7710	69.3	343.3	20.2
	+E Z SL	AP	08 00 16.-	3.0	2.73	2				
GRF	E Z BE	P	08 00 13.5			2	7760	69.8	343.0	20.8
BUH	E Z GT	P	08 00 16.0				7800	70.2	341.6	23.1
FUR	+I Z SL	P	08 00 23.-	2.0	2.35	9	7920	71.3	343.2	21.2
	-I Z SL	-	08 00 29.-	2.6	2.65	3				
	+I Z SL	XP	08 00 36.-	1.5	1.73	2				
	+E Z SL	APP	08 03 08.-	2.0	1.88	6				
	Z SL	PM	08 34 30.-	17.0	3.09					

JUL 05
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+I Z SL	P	10 45 19.-	1.0	2.67	5				

JUL 05 ERL
H= 15 04 11.7
LAT = 27.3 N
LONG= 127.5 E
DEPTH= 47 KM
MAGNITUDE= 4.5
RYUKYU ISLANDS

GRF	E Z BE	P	15 16 43.8			1	9430	84.8	53.3	324.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 05 ERL H= 22 21 15.6 LAT = 41.6 N LONG= 19.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 ALBANIA										
FUR	-E Z SL	-	22 24 40.-	1.5	0.90	2	990	8.9	133.7	319.8
	-E Z SL	S	22 24 53.-	2.0	1.80	2				
	-E Z SL	-	22 25 28.-	1.5	1.18	4				
	Z SL	MAXIMUM	22 26 45.-	2.0	2.14					
GRF	E Z BE	P	22 23 33.2			1	1120	10.1	139.8	326.0
BUH	E Z GT	P	22 23 48.5				1200	10.8	126.2	314.5
JUL 05 ERL H= 22 46 16.3 LAT = 13.2 N LONG= 124.7 E DEPTH= 38 KM MAGNITUDE= 5.6 LUZON, PHILIPPINE ISLANDS										
BRN	+I Z ET	P	22 59 28.8	4.5	2.81	3	10260	92.2	65.1	325.2
	+E Z ET	PP	23 03 15.-			1				
	+E N ET	S	23 10 20.0	5.5		2				
HAM	E Z SX	P	22 59 33.-			2	10400	93.5	62.4	327.0
	E Z SX	XP	22 59 44.-			3				
HOF	+I Z SL	P	22 59 32.-	1.5	2.22	5	10440	93.9	64.1	323.7
	-E Z SL	APCP	22 59 43.-	2.0	2.62	2				
	Z SL	PM	23 45 00.-	16.0	4.79					
HLG	- Z SL	P	22 59 36.-			2	10480	94.3	60.6	328.3
GRF	E Z BE	P	22 59 36.5			1	10510	94.5	63.6	323.3
	E Z BE	-	23 00 43.0			4				
	-E Z BE	PP	23 03 28.5			2				
	E Z BE	-	23 03 41.4			3				
FUR	+I Z SL	P	22 59 40.-	1.6	1.90	9	10580	95.2	63.8	321.9
	-I Z SL	-	22 59 42.-	1.8	2.38	3				
	-I Z SL	APCP	22 59 47.-	2.0	2.24	3				
	+I Z SL	AP	22 59 50.-	1.8	2.54	7				
	+I Z SL	XPCP	22 59 55.-	1.8	2.30	5				
	+I Z SL	PP	23 03 30.-	1.8	2.20	9				
	-E Z SL	APP	23 03 45.-	2.2	2.19	3				
	N SL	PM	23 44 20.-	18.0	4.31					
BNS	+I Z FS	P	22 59 46.2	2.0	2.00		10700	96.2	60.3	325.7
	E Z FS	PP	23 03 35.-							
	E Z SL	SP	23 12 16.-							
	E Z SL	LR	23 32 00.-	60.0						
	Z SL	-	23 47 00.-	16.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	22 59 45.0				10760	96.7	61.4	323.3
JUL 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	02 37 25.0							
JUL 06 NO DETERMINATION OF EPICENTER BNS= ROCKBURST SUPPOSED.										
BNS	E Z FS	PG	07 50 27.6							
	E N X	SG	07 50 35.0							
	E Z FS		07 50 43.0	1.4	2.28					
JUL 06 ERL H= 09 27 30.7 LAT = 27.2 S LONG= 71.1 W DEPTH= 34 KM MAGNITUDE= 5.4 NEAR COAST OF NORTHERN CHILE										
FUR	Z SL	PM	10 32 00.-	17.0	3.31		11680	105.0	246.1	43.4
HOF	Z SL	PM	10 31 20.-	18.0	3.84		11820	106.3	247.0	41.5
JUL 06 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	11 06 35.2							
JUL 06 ERL H= 13 37 53.7 LAT = 40.2 N LONG= 142.5 E DEPTH= 51 KM MAGNITUDE= 5.1 NEAR EAST COAST OF HONSHU, JAPAN										
HOF	-E Z SL	P	13 50 00.-	1.5	2.43	8	8900	80.0	36.2	330.4
GRF	+E Z BE	P	13 50 04.1	1.1	1.84	4	8980	80.8	35.7	330.4
	E Z BE	AP	13 50 27.2			3				
FUR	+I Z SL	P	13 50 09.-	1.6	1.60	8	9120	82.0	35.6	329.5
	-E Z SL	XP	13 50 22.-	1.5	1.28	3				
JUL 06 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	13 53 33.5							

JUL 06
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	-I Z SL	P	15 59 44.-	1.0	2.19	5				
	Z SL	MAXIMUM	16 00 05.-	1.3	2.74					

JUL 06
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	17 10 52.8							
	E Z FS	-	17 11 13.-	1.4	1.48					

JUL 06 ERL
H= 21 52 39.2
LAT = 15.0 S
LONG= 177.9 W
DEPTH=374 KM
MAGNITUDE= 4.8
FIJI ISLANDS REGION

GRF	E Z BE	PKP	22 11 32.6			2	16080	144.6	15.4	349.7

JUL 07 ERL
H= 00 09 15.5
LAT = 15.1 S
LONG= 175.0 E
DEPTH=614 KM
MAGNITUDE= 5.2
FIJI ISLANDS REGION

NOS= THIS HYPOCENTER TENDS TO FURTHER DELINEATE THE SEISMICITY OF THIS AREA.

GRF	-I Z BE	PKP	00 27 40.9	0.8	1.82	5	15910	143.1	26.6	342.5
FUR	+I Z SL	PKP1	00 27 44.-	2.0	2.24	3	16060	144.4	27.7	341.2
STU	E Z BE	PKP	00 27 44.0	1.2	1.77	2	16070	144.5	24.0	343.8
BUH	E Z GT	PKP	00 27 45.8				16110	144.8	22.5	344.3

JUL 07 ERL
H= 02 27 24.8
LAT = 19.1 S
LONG= 168.8 E
DEPTH= 33 KM
MAGNITUDE= 5.6
NEW HEBRIDES ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	+E Z SL	PKP1	02 46 48.-	1.5	2.22	5	15930	143.8	38.9	334.8
GRF	-I Z BE	PKP	02 46 51.1	0.7	2.01	8	16080	144.6	38.4	334.7
BNS	-I Z FS	PKP	02 46 52.0	1.0	1.95		16130	145.0	31.3	339.7
FUR	-I Z SL	PKP1	02 46 53.-	1.5	2.03	6	16210	145.7	39.9	333.0
	+E Z SL	-	02 47 01.-	1.5	1.28	5				
	+E Z SL	-	02 47 20.-	1.8	1.78	2				
STU	E Z BE	PKP	02 46 54.8	0.8	1.96	2	16250	146.1	36.2	335.6
BUH	-I Z GT	PKP	02 46 56.9				16300	146.6	34.8	336.4

JUL 07 ERL
H= 02 57 19.2
LAT = 52.5 N
LONG= 168.3 W
DEPTH= 47 KM
MAGNITUDE= 4.8
FOX ISLANDS, ALEUTIAN ISLANDS

BUH	E Z GT	P	03 09 21.4				8800	79.2	357.8	2.4

JUL 07 ERL
H= 12 45 00.1
LAT = 19.2 S
LONG= 69.8 W
DEPTH= 89 KM
MAGNITUDE= 5.3
NORTHERN CHILE

FUR	+E Z SL	P	12 58 27.-	2.0	1.80	3	10930	98.3	250.7	41.9
	+E Z SL	APP	13 02 22.-	2.0	1.94	7				
	+I Z SL	XPP	13 02 33.-	1.9	1.83	6				
GRF	E Z BE	P	12 58 31.4			1	10980	98.8	250.8	40.5
	E Z BE	AP	12 58 53.6			2				

JUL 07
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	14 21 06.6	0.8	1.30	2				

JUL 07 ERL
H= 15 40 40.0
LAT = 6.0 S
LONG= 150.6 E
DEPTH= 53 KM
MAGNITUDE= 5.4
NEW BRITAIN REGION

GRF	E Z BE	PKP	15 59 36.3			1	13870	124.7	52.0	329.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-I Z SL	PKP1	15 59 36.-	1.8	1.78	2	13370	125.6	52.9	327.5
	-E Z SL	-	15 59 44.-	1.5	1.28	5				
BUH	E Z GT	PKP	15 59 38.5				14110	126.9	49.4	329.6

JUL 07 ERL
H= 18 44 32.7
LAT = 27.0 S
LONG= 71.2 W
DEPTH= 28 KM
MAGNITUDE= 5.4
NEAR COAST OF NORTHERN CHILE

FUR	+E Z SL	PKP1	19 02 54.-	1.5	1.18	4	11670	104.9	246.2	43.4
	Z SL	QM	19 45 00.-	20.0	3.92					

JUL 07 ERL
H= 19 35 19.1
LAT = 50.0 S
LONG= 113.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
EASTER ISLAND CORDILLERA

FUR	-E Z SL	PKP1	19 54 51.-	1.0	1.88	4	16030	144.7	246.0	71.4
	+I Z SL	XPKP	19 55 07.-	2.0	2.05	2				
GRF	E Z BE	PKP	19 54 54.1			2	16160	145.3	247.9	68.9
HOF	+E Z SL	XPKP	19 55 05.-	2.0	2.53	3	16230	145.9	249.1	68.1
	+E Z SL	-	19 55 44.-	6.0	3.07	2				

JUL 08 ERL
H= 00 02 46.4
LAT = 12.3 N
LONG= 125.6 E
DEPTH= 47 KM
MAGNITUDE= 5.3
SAMAR, PHILIPPINE ISLANDS

HOF	-E Z SL	P	00 16 07.-	1.5	2.22	5	10580	95.2	63.9	323.9
	+E Z SL	APCP	00 16 13.-	1.5	2.30	2				
	Z SL	RM	01 03 30.-	14.0	3.58					
GRF	E Z BE	P	00 16 08.4			1	10660	95.8	63.5	323.5
FUR	-I Z SL	P	00 16 11.-	1.8	1.95	3	10730	96.5	63.6	322.1
	-I Z SL	-	00 16 16.-	2.0	2.00	2				
	-I Z SL	AP	00 16 23.-	1.5	1.43	2				
	-E Z SL	PP	00 20 07.-	2.0	1.88	6				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUL 08 ERL
H= 00 54 41.8
LAT = 27.0 S
LONG= 71.1 W
DEPTH= 16 KM
MAGNITUDE= 5.1
NEAR COAST OF NORTHERN CHILE

FUR	-E Z SL	PKP1	01 13 06.-	1.8	1.90	2	11660	104.9	246.2	43.4
	+I Z SL	PP	01 13 27.-	1.8	1.78	6				
	Z SL	QM	01 52 00.-	18.0	3.22					

JUL 03 ERL
H= 03 58 31.2
LAT = 46.6 N
LONG= 10.0 E
DEPTH= 33 KM (NORMAL)
NORTHERN ITALY

FUR	-I Z SL	PN	03 59 05.-	1.2	2.00	9	200	1.8	209.7	28.7
	-E Z SL	SN	03 59 27.-	1.8	1.70	2				
	Z SL	MAXIMUM	04 00 20.-	1.5	1.59					
STU	-I E BE	SG	03 59 39.4	0.5	2.05	3	250	2.3	166.2	346.7
BUH	-I Z GT	PN	03 59 09.3				270	2.4	143.9	331.2
GRF	E Z BE	PN	03 59 21.3			2	360	3.2	135.5	14.6
	-E Z BE	-	03 59 28.1			2				
	+I Z BE	PG	03 59 32.3			9				
	-E Z BE	-	03 59 36.7			3				
	E N BE	SG	04 00 13.1			2				

JUL 08 ERL
H= 04 03 34.5
LAT = 6.8 N
LONG= 73.0 W
DEPTH=156 KM
MAGNITUDE= 5.7
NORTHERN COLOMBIA

BNS	+I Z FS	P	04 15 20.0	1.6	1.48		8740	78.6	266.7	39.5
	E Z FS	-	04 16 00.-							
BUH	E Z GT	P	04 15 22.5				8800	79.1	267.9	41.3
STU	+E Z BE	P	04 15 26.2	0.8	1.83	2	8870	79.8	268.6	41.8
GRF	E Z BE	P	04 15 33.6			2	9020	81.1	270.0	40.8
	E Z BE	-	04 15 35.2			4				
	E Z BE	-	04 15 40.3			2				
FUP	-I Z SL	P	04 15 32.-	1.5	1.49	3	9020	81.2	270.3	42.4
	+I Z SL	PCP	04 15 39.-	1.3	1.59	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-E Z SL	-	04 15 48.-	1.8	1.70	5				
	+I Z SL	APCP	04 16 14.-	1.5	1.43	3				
	+I Z SL	-	04 16 44.-	1.8	1.90	2				
JUL 06 BCS										
H= 05 00 15.0										
LAT = 46.9 N										
LONG= 9.6 E										
SWITZERLAND										
FUR	-I Z SL	P	05 00 43.-	1.0	1.76	3	190	1.7	222.5	41.3
	Z SL	MAXIMUM	05 01 53.-	1.8	1.70					
BUH	E Z GT	PN	05 00 46.6				220	2.0	152.0	333.0
GRF	E Z BE	PN	05 01 09.8			2	330	3.0	201.8	20.6
	E Z BE	PG	05 01 14.4			3				
	E E BE	SG	05 01 51.4			2				
JUL 08										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-I Z SL	P	05 03 19.-	1.0	1.88	4				
	Z SL	MAXIMUM	05 04 30.-	1.5	1.28					
BUH	E Z GT	PN	05 03 23.5							
GRF	E Z BE	PN	05 03 46.6			2				
	E Z BE	PG	05 03 50.9			2				
	E N BE	SG	05 04 29.6			2				
JUL 08										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-I Z SL	P	05 09 44.-	1.0	1.98	5				
	Z SL	MAXIMUM	05 10 55.-	1.5	1.28					
BUH	E Z GT	PN	05 09 48.6							
GRF	E Z BE	PN	05 10 07.8			1				
	E Z BE	-	05 10 11.8			2				
	E Z BE	PG	05 10 15.8			2				
	E N BE	SG	05 10 54.1			1				
JUL 08										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-I Z SL	P	05 12 59.-	1.2	1.90	8				
	Z SL	MAXIMUM	05 14 08.-	1.5	1.59					
BUH	E Z GT	PN	05 13 02.8							
GRF	E Z BE	PN	05 13 14.9			1				
	E Z BE	-	05 13 21.7			2				
	-I Z BE	PG	05 13 25.6			3				
	-E Z BE	-	05 13 30.2			4				
	E N BE	SG	05 14 07.8			2				
JUL 08										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	06 33 00.6			2				
JUL 08										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	07 19 57.5							
JUL 08 ERL										
H= 09 59 45.8										
LAT = 43.4 N										
LONG= 146.4 E										
DEPTH= 61 KM										
MAGNITUDE= 5.0										
KURIL ISLANDS										
GRF	+E Z BE	P	10 11 47.5	0.8	1.57	4	8820	79.3	31.5	332.2
	E Z BE	PCP	10 11 58.5			2				
	E Z BE	AP	10 12 03.1			2				
BNS	+I Z FS	P	10 11 46.0				8840	79.5	28.3	335.2
FUR	-E Z SL	P	10 11 56.-	1.0	1.88	4	8960	80.6	31.4	331.4
	+E Z SL	AP	10 12 03.-	1.5	1.28	5				
	-E Z SL	XP	10 12 08.-	1.5	1.36	2				
BUH	E Z GT	P	10 11 56.9				9030	81.2	29.5	333.4
JUL 08 ERL										
H= 13 44 31.7										
LAT = 44.4 N										
LONG= 9.8 E										
DEPTH= 33 KM (NORMAL)										
NORTHERN ITALY										
FUR	-E Z SL	PG	13 46 00.-	1.0	1.58	2	440	3.9	195.8	14.7
	+I Z SL	SG	13 46 40.-	1.5	1.28	1				
	Z SL	MAXIMUM	13 47 14.-	1.8	2.00					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	13 45 37.3				490	4.4	165.3	346.4
GRF	E Z BE	P	13 45 50.4			1	600	5.4	191.0	9.9
	E Z BE	-	13 46 07.8			2				
	E N BE	S	13 46 50.6			2				

JUL 08
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	13 50 04.4			3				

JUL 08 ERL
H= 16 59 08.1
LAT = 15.9 N
LONG= 60.7 W
DEPTH= 19 KM
MAGNITUDE= 5.1
LEEWARD ISLANDS

BUH	E Z GT	P	17 09 44.0				7150	64.3	265.0	43.3
FUR	+E Z SL	P	17 09 58.-	1.8	1.78	6	7370	66.3	267.6	44.0
	+E Z SL	-	17 10 45.-	1.8	1.70	2				
GRF	E Z BE	P	17 09 56.9			2	7380	66.4	266.9	42.4
	E Z BE	AP	17 10 04.6			3				

JUL 08 ERL
H= 18 54 23.5
LAT = 53.8 N
LONG= 160.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	19 05 56.2	0.8	1.24	2	8190	73.7	18.4	339.7

JUL 08 ERL
H= 23 35 32.4
LAT = 45.3 N
LONG= 148.3 E
DEPTH=121 KM
MAGNITUDE= 4.7
KURIL ISLANDS

GRF	E Z BE	P	23 47 20.7			1	8710	78.3	29.4	333.2
	E Z BE	PCP	23 47 26.0			2				
BUH	E Z GT	P	23 47 31.3				8910	80.1	27.4	334.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUL 09 ERL
H= 00 27 02.8
LAT = 46.8 N
LONG= 9.8 E
DEPTH= 18 KM
SWITZERLAND

JUL 09 BCS
H= 00 27 06.0
LAT = 46.8 N
LONG= 9.7 E
SWITZERLAND

FUR	+I Z SL	PN	00 27 34.-	1.5	1.98	9	190	1.7	217.6	36.5
	+I Z SL	SN	00 27 58.-	1.5	2.20	4				
	Z SL	MAXIMUM	00 28 50.-	1.5	2.76					
STU	E Z BE	PN	00 27 36.8	0.3	1.88		220	2.0	168.5	348.9
	E Z BE	PG	00 27 42.0	0.5	2.36					
	E E BE	SG	00 28 08.7							
BUH	-I Z GT	PN	00 27 38.4				240	2.1	150.2	331.4
KRL	+I Z WH	PN	00 27 51.0	1.0		4	260	2.4	156.9	337.9
	-I Z ST	PN	00 27 51.0	0.8		9				
	+I Z WH	SN	00 28 22.6	1.0		9				
	+I Z ST	SN	00 28 22.8	0.8		9				
GRF	+I Z BE	PN	00 27 50.3			6	340	3.0	199.1	18.1
	-I Z BE	-	00 27 56.4			4				
	E Z BE	PG	00 28 01.4			4				
	E Z BE	SG	00 28 44.5			2				
TNS	I Z ST	PN	00 28 00.0			2	390	3.5	165.1	346.0
	I E ST	SB	00 28 56.0			5				
HOF	-E Z SL	PB	00 28 14.-	1.5	2.22	5	420	3.8	202.6	21.0
	-I Z SL	-	00 28 16.-	1.5	3.00	6				
	-I Z SL	PG	00 28 31.-	1.5	2.52	2				
	-I Z SL	SN	00 28 46.-	1.5	2.67	3				
	-I Z SL	SG	00 29 15.-	1.5	3.07	4				
BNS	E Z FS	PN	00 28 11.6				500	4.5	156.6	338.6
	I Z FS	-	00 28 15.0							
	E Z FS	SN	00 29 03.-							
	E N X	SG	00 29 31.5	0.8	2.58					
	E E X	-	00 29 33.-	0.8	2.40					
	E Z FS	-	00 29 36.-	1.2	2.00					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 09 ERL H= 02 04 21.4 LAT = 54.5 N LONG= 158.4 E DEPTH=100 KM (GEOPHYSICIST) MAGNITUDE= 4.8 KAMCHATKA										
GRF	+E Z BE	P	02 15 40.4	0.8	1.32	4	8070	72.6	19.4	338.4
	E Z BE	PCP	02 15 44.9			4				
BUH	E Z GT	P	02 15 48.4				8250	74.2	17.6	340.0
JUL 09 ERL H= 09 41 36.2 LAT = 18.4 S LONG= 168.8 E DEPTH=201 KM NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	10 00 47.2			2	16010	143.9	38.0	335.1
JUL 09 ERL H= 11 02 49.6 LAT = 16.6 S LONG= 174.8 W DEPTH=236 KM MAGNITUDE= 5.0 TONGA ISLANDS										
BNS	+I Z FS	PKP	11 22 02.1	1.2	1.85		16200	145.7	3.4	357.7
GRF	+E Z BE	PKP	11 22 05.3	0.6	1.47	3	16310	146.6	10.6	352.8
	-I Z BE	-	11 22 07.0	0.9	1.83	9				
	E Z BE	APKP	11 23 08.3			2				
BUH	E Z GT	PKP	11 22 08.4				16450	147.9	5.5	356.2
FUR	-I Z SL	PKP1	11 22 09.-	1.4	1.83	9	16470	148.1	11.1	352.2
	+I Z SL	PKHKP	11 22 13.-	1.5	1.59	3				
JUL 09 NO DETERMINATION OF EPICENTER FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-I Z SL	-	11 10 18.-	1.4	1.53	?				
	? SL	MAXIMUM	11 10 53.-	1.8	2.38					
JUL 09 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+I Z SL	-	13 03 38.-	1.4	1.64	8				
JUL 09 NFB H= 15 05 00.7 LAT = 51.2 N LONG= 9.2 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY NFB= QUARRYBLAST AT LOHNE NEAR FRITZLAR/HESSEN. SHOTPIONT NO. 26. H= 15 05 00.7, 51 DEG. 11 MIN. 21.6 SEC. N, 9 DEG. 14 MIN. 39.6 SEC. E, HEIGHT= 345 METERS, CHARGE= 5.3 TONS.										
BNS	E Z FS	PG	15 05 25.4				150	1.3	79.4	261.0
	E Z FS	SG	15 05 44.2							
	E Z FS		15 06 01.-	1.5	1.90					
GRF	E Z BE	PN	15 05 35.4			2	220	2.0	320.6	139.1
	E Z BE	-	15 05 39.6			2				
	E Z BE	PG	15 05 40.7			2				
	E N BE	SG	15 06 06.0			1				
JUL 09 ERL H= 16 19 46.8 LAT = 10.7 N LONG= 92.6 E DEPTH= 46 KM MAGNITUDE= 5.7 ANDAMAN ISLANDS REGION										
HOF	-I Z SL	P	16 31 30.-	1.5	2.48	3	8440	75.9	30.2	319.3
	-E Z SL	AP	16 31 38.-	3.0	2.73	5				
	-I Z SL	XP	16 31 46.-	2.0	2.80	3				
	+E Z SL	PP	16 34 24.-	3.0	2.48	2				
	+E Z SL	APP	16 34 39.-	3.0	2.68	2				
FUP	+I Z SL	P	16 31 32.-	1.5	1.73	5	8490	76.3	89.2	317.1
	-I Z SL	PCP	16 31 43.-	1.3	1.66	1				
	-I Z SL	APCP	16 31 54.-	1.3	1.66	6				
	-I Z SL	-	16 32 18.-	2.2	2.30	7				
	-E Z SL	APP	16 34 33.-	1.8	1.78	3				
	Z SL	PM	17 09 00.-	25.0	2.94					
GRF	+I Z BE	P	16 31 33.7	1.0	2.00	5	8490	76.4	89.6	318.6
	E Z BE	-	16 31 49.6			3				
	E Z BE	PP	16 34 32.0			2				
STU	+E Z BE	P	16 31 40.0	1.0	1.77	3	8640	77.7	87.8	317.7
BUH	E Z GT	P	16 31 43.8				8710	78.3	87.1	317.7
JUL 09 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PG	18 36 52.4							
JUL 09 ERL H= 21 27 39.2 LAT = 21.5 S LONG= 177.9 W DEPTH=463 KM MAGNITUDE= 4.6 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	21 46 41.0			2	16790	150.9	17.8	347.7
JUL 09 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	23 52 11.2							
JUL 10 ERL H= 01 26 57.6 LAT = 49.8 N LONG= 78.1 E DEPTH= 0 KM (GEOPHYSICIST) MAGNITUDE= 5.4 EASTERN KAZAKH SSR										
HOF	-I Z SL	P	01 34 46.-	1.5	2.30	6	4580	41.2	64.2	297.1
GRF	+I Z BE	P	01 34 52.4	0.8	1.65	3	4660	41.9	63.2	296.6
	E Z BE	PP	01 36 32.2			2				
FUR	+I Z SL	P	01 34 58.-	1.4	1.75	9	4730	42.5	61.8	294.5
STU	+E Z BE	P	01 35 04.5	0.8	1.75	2	4840	43.5	61.5	296.3
BNS	E Z FS	P	01 35 05.8	1.1	1.30		4850	43.6	62.6	300.0
BUH	E Z GT	P	01 35 09.3				4900	44.1	61.0	296.6
JUL 10 EPL H= 04 02 18.5 LAT = 24.1 S LONG= 177.4 W DEPTH=118 KM MAGNITUDE= 5.1 SOUTH OF FIJI ISLANDS										
HAM	E Z SX	PKP	04 21 53.-			1	16700	150.1	13.5	351.2
BRN	-E Z ET	PKIKP	04 21 53.-	4.0		2	16740	150.6	20.0	346.8
HOF	-E Z SL	PKP1	04 21 54.-	3.0	2.56	6	17000	152.8	18.8	347.0
	+I Z SL	APKP	04 22 15.-	3.4	3.01	2				
BNS	E Z FS	PKP	04 22 04.3	3.0	2.36		17010	152.9	9.2	353.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	PKP	04 21 56.2			1	17080	153.6	17.8	347.4
	E Z BE	-	04 22 17.8			2				
	E Z BE	-	04 22 23.2			3				
	E Z BE	APKP	04 22 38.0			5				
FUR	+I Z SL	PKHKP	04 22 03.-	1.5	1.54	2	17240	155.0	19.0	346.?
	+E Z SL	-	04 22 09.-	2.0	2.00	8				
	+E Z SL	-	04 22 15.-	2.6	2.29	8				
	-I Z SL	APKP	04 22 26.-	2.0	2.10	9				
	+I Z SL	XPKP	04 22 33.-	1.9	2.22	9				
BUH	E Z GT	PKP	04 21 56.5				17240	155.1	12.2	351.2
JUL 10 ERL H= 06 59 43.7 LAT = 24.1 S LONG= 177.3 W DEPTH=103 KM MAGNITUDE= 5.2 SOUTH OF FIJI ISLANDS										
HAM	E Z SX	PKP	07 19 26.-			1	16690	150.1	13.4	351.3
BRN	+E Z ET	PKIKP	07 19 20.-			2	16740	150.6	19.9	346.8
HOF	-E Z SL	PKP1	07 19 22.-	4.0	2.84	3	17000	152.8	18.7	347.0
	+I Z SL	PKHKP	07 19 34.-	3.0	3.01	9				
	+I Z SL	PKP2	07 19 43.-	2.0	2.90	9				
	+E Z SL	PP	07 23 08.-	6.0	3.07	9				
BNS	E Z FS	PKP	07 19 30.0	2.5	2.11		17000	152.9	9.1	353.7
GRF	E Z BE	PKP	07 19 24.0			2	17080	153.6	17.8	347.5
	E Z BE	-	07 19 44.5			2				
	E Z BE	APKP	07 19 50.4			4				
	E Z BE	-	07 20 46.5			2				
	E Z BE	-	07 21 16.0			2				
FUR	+I Z SL	PKP1	07 19 27.-	1.5	1.54	9	17240	155.0	18.9	346.7
	+I Z SL	PKHKP	07 19 35.-	2.0	2.14	3				
	-I Z SL	PKP2	07 19 53.-	1.8	2.04	4				
	-I Z SL	XPKP	07 20 02.-	1.9	2.19	1				
	-I Z SL	APKP	07 20 19.-	1.8	1.85	2				
BUH	E Z GT	PKP	07 19 25.0				17240	155.0	12.1	351.2
JUL 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	16 40 27.5			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 10 ERL H= 17 43 15.5 LAT = 43.6 N LONG= 146.6 E DEPTH= 44 KM MAGNITUDE= 4.0 KURIL ISLANDS										
GRF	E Z BE	P	17 55 22.4			1	8810	79.3	31.3	332.3
JUL 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	20 11 13.0							
JUL 10 ERL H= 23 25 31.2 LAT = 37.5 N LONG= 142.5 E DEPTH= 45 KM MAGNITUDE= 5.2 OFF EAST COAST OF HONSHU, JAPAN										
HOF	-E Z SL	P	23 37 50.-	1.5	2.30	6	9150	82.3	37.5	330.6
	+E Z SL	AP	23 37 57.-	1.5	2.22	5				
GRF	+E Z BE	P	23 37 54.3	1.2	1.91	3	9240	83.1	37.0	330.5
	E Z BE	-	23 38 05.4			1				
	E Z BE	-	23 39 23.5			2				
	E Z BE	-	23 40 56.1			1				
FUR	-I Z SL	P	23 38 01.-	1.6	1.54	7	9370	84.3	37.0	329.6
	-I Z SL	AP	23 38 10.-	1.8	1.95	3				
	-E Z SL	XP	23 38 15.-	1.8	1.78	2				
	Z SL	RM	00 19 00.-	17.0	3.21					
BUH	E Z GT	P	23 38 03.8				9460	85.1	34.9	331.5
JUL 11 ERL H= 00 18 45.3 LAT = 48.2 N LONG= 155.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 KURIL ISLANDS										
GRF	E Z BE	P	00 30 41.3			2	8630	77.6	23.9	336.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 11 ERL H= 05 16 34.7 LAT = 43.2 N LONG= 146.3 E DEPTH= 55 KM MAGNITUDE= 4.4 KURIL ISLANDS										
GRF	E Z BE	P	05 28 37.2			2	8840	79.5	31.6	332.2
JUL 11 ERL H= 05 57 20.0 LAT = 0.1 S LONG= 125.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 MOLUCCA SEA										
GRF	E Z BE	PKP	06 15 52.0			1	11710	105.3	71.5	322.0
BUH	E Z GT	PKP	06 15 58.0				11950	107.5	69.4	321.7
JUL 11 ERL H= 14 23 40.6 LAT = 30.8 N LONG= 142.1 E DEPTH= 45 KM MAGNITUDE= 5.1 SOUTH OF HONSHU, JAPAN										
GRF	+E Z BE	P	14 41 33.6			2	9870	88.7	40.6	330.6
FUR	-E Z SL	P	14 41 38.-	1.5	1.38	7	9990	89.9	40.6	329.6
	+E Z SL	AP	14 41 50.-	1.3	1.70	5				
BUH	E Z GT	P	14 41 14.8				10090	90.8	38.3	331.5
JUL 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	17 00 38.5							
JUL 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	19 13 14.8			2				
JUL 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	19 13 59.6							
GRF	E Z BE	PN	19 14 22.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	PG	19 14 26.8			2				
	E N BE	SG	19 15 05.3			1				

JUL 11
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	22 31 20.8			1				
FUR	-I Z SL	-	22 31 27.-	1.5	1.43	7				

JUL 11 ERL
H= 22 47 49.1
LAT = 15.2 S
LONG= 173.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
TONGA ISLANDS

BNS	E Z FS	PKP	23 07 21.8	1.8	1.95		16050	144.4	1.8	358.8
HOF	-E Z SL	PKHKP	23 07 23.-	2.0	2.62	9	16090	144.7	9.7	353.6
	-I Z SL	PKP1	23 07 27.-	2.0	2.77	9				
	+E Z SL	APKP	23 07 36.-	4.0	2.54	3				
GRF	E Z BE	PKP	23 07 25.2	2.0	2.59	2	16170	145.4	8.8	354.1
BUH	E Z GT	PKP	23 07 28.5				16300	146.6	3.8	357.4
FUR	+E Z SL	PKP1	23 07 29.-	2.2	2.03	4	16330	146.9	9.2	353.6
	-I Z SL	PKP2	23 07 36.-	2.0	2.38	6				
	-I Z SL	XPKP	23 07 47.-	1.5	1.49	3				
	-I Z SL	-	23 08 19.-	2.0	2.05	2				

JUL 11 ERL
H= 23 23 11.7
LAT = 52.0 N
LONG= 176.1 W
DEPTH= 63 KM
MAGNITUDE= 5.1
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E Z BE	P	23 35 07.4			2	8730	78.5	4.6	355.2
BUH	E Z GT	P	23 35 13.4				8860	79.7	2.7	357.1

JUL 12 ERL
H= 01 59 28.7
LAT = 5.3 S
LONG= 68.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
CHAGOS ARCHIPELAGO REGION

FUR	-I Z SL	P	02 10 57.-	1.6	1.58	4	8120	73.1	118.8	323.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+E Z SL	AP	02 11 04.-	1.3	1.59	3				
GRF	-E Z BE	P	02 11 01.3	1.0	1.56	2	8210	73.8	119.1	325.3
BUH	E Z GT	P	02 10 08.9				8350	75.1	116.4	323.4

JUL 12
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	07 38 53.5							

JUL 12 ERL
H= 07 51 07.9
LAT = 52.2 N
LONG= 174.2 E
DEPTH= 47 KM
MAGNITUDE= 5.2
NEAR ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	08 03 00.4			3	8610	77.4	10.6	348.8
BUH	E Z GT	P	08 03 07.0				8760	78.8	8.7	350.6
FUR	+E Z SL	P	08 03 06.-	1.4	1.64	8	8780	78.9	10.6	348.5
	-E Z SL	APCP	08 03 25.-	2.0	1.80	3				

JUL 12 ERL
H= 07 56 12.8
LAT = 42.7 N
LONG= 146.8 E
DEPTH= 21 KM
MAGNITUDE= 5.3
OFF COAST OF HOKKAIDO, JAPAN

GRF	+E Z BE	P	08 08 23.1	1.0	1.42	2	8910	80.1	31.6	332.5
FUR	+E Z SL	P	08 08 28.-	1.6	1.58	8	9050	81.4	31.5	331.7
	-I Z SL	XP	08 08 42.-	1.8	1.95	3				
	-E Z SL	XPCP	08 08 47.-	1.5	1.18	4				

JUL 12
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	10 57 06.1							

JUL 12 ERL
H= 13 45 30.3
LAT = 27.1 S
LONG= 71.2 W
DEPTH= 20 KM
MAGNITUDE= 5.5
NEAR COAST OF NORTHERN CHILE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+E Z SL	PKP1	14 03 53.-	2.0	1.94	2	11670	105.0	246.2	43.4
	Z SL	RM	14 46 00.-	20.0	3.32					
HOF	Z SL	RM	14 48 00.-	17.0	3.79		11810	106.2	247.2	41.5

JUL 12 ERL
H= 15 41 39.3
LAT = 27.2 S
LONG= 71.5 W
DEPTH= 15 KM
MAGNITUDE= 5.4
NEAR COAST OF NORTHERN CHILE

FUR	+E Z SL	PKP1	16 00 04.-	1.9	1.64	4	11700	105.2	246.3	43.5
	+E Z SL	PP	16 00 23.-	1.9	1.75	5				
	Z SL	RM	16 44 00.-	18.5	3.31					
HOF	7 SL	RM	16 44 00.-	18.0	3.84		11840	106.4	247.2	41.6

JUL 12 ERL
H= 15 48 38.8
LAT = 27.1 S
LONG= 71.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
NEAR COAST OF NORTHERN CHILE

GRF	E Z BE	P	16 03 21.6			2	11740	105.6	246.5	41.9

JUL 12
NO DETERMINATION OF EPICENTER

GRF	-E Z BE	P	18 05 11.4			2				

JUL 12 GS
H= 21 31 03.7
LAT = 24.2 N
LONG= 95.0 E
DEPTH=135 KM (GEOPHYSICIST)
MAGNITUDE= 4.4
BURMA

GRF	E Z BE	P	21 42 24.3			2	7570	68.1	78.2	315.9
BUH	E Z GT	P	21 42 36.0				7810	70.2	75.8	315.3

JUL 13 ERL
H= 00 18 34.4
LAT = 27.5 S
LONG= 176.8 W
DEPTH= 35 KM
MAGNITUDE= 4.4
KERMADEC ISLANDS REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	PKP	00 38 54.0				17390	156.4	8.8	353.8
	E Z FS	-	00 39 06.-							
GRF	E Z BE	PKP	00 38 53.2			1	17460	157.0	18.4	346.6
FUR	-I Z SL	PKP2	00 39 19.-	1.5	1.36	3	17620	158.4	19.8	345.2
	+E Z SL	XPKP	00 39 34.-	1.5	1.28	5				
BUH	E Z GT	PKP	00 39 07.5				17630	158.5	12.2	350.9

JUL 13 GS
H= 02 59 39.1
LAT = 49.0 N
LONG= 128.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
VANCOUVER ISLAND REGION

BNS	I Z FS	P	03 11 11.0	1.5	1.48		8150	73.3	331.0	27.7
	E Z FS	-	03 11 21.5							
GRF	E Z BE	P	03 11 23.5			2	8410	75.6	333.7	26.0
BUH	E Z GT	P	03 11 23.0				8410	75.6	332.0	28.3
FUR	+I Z SL	P	03 11 31.-	1.7	1.91	9	8560	77.0	333.9	26.6
	+I Z SL	-	03 11 35.-	2.0	2.14	2				
	-I Z SL	PCP	03 11 41.-	1.5	1.73	3				
	-I Z SL	APCP	03 11 50.-	1.8	1.78	3				
	-I Z SL	XPCP	03 11 56.-	2.0	2.00	2				
	Z SL	RM	03 43 00.-	17.0	3.17					

JUL 13
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	10 20 48.0			2				

JUL 13
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	11 12 01.8							
	E Z FS	SG	11 12 07.7							
	E Z FS		11 12 12.0	1.0	2.00					

JUL 13 STU
H= 16 14 48.1
LAT = 48.0 N
LONG= 9.4 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
QUARRYBLAST AT GROSSASPACH, BADEN-WUERTTEMBERG. H= 16 14 48.14, 48 DEG. 57 MIN. 35.28 SEC. N, 9 DEG. 22 MIN. 26.64 SEC. E, CHARGE= 10 TONS.										
GRF	E Z BE	PG	16 15 15.2			3	160	1.4	239.5	58.1
	E N BE	SG	16 15 33.8			2				
FUR	Z SL	MAXIMUM	16 16 20.-	2.5	1.95		170	1.5	302.9	121.5
JUL 13 NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	16 59 58.0							
	I Z FS	SG	17 00 05.0	0.5	1.70					
JUL 14 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	00 16 25.5			2				
JUL 14 ERL H= 04 51 21.0 LAT = 35.2 N LONG= 36.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 6.0 TIBET										
BRN	-I Z ET	P	05 00 39.0	4.0	3.15	9	5930	53.3	78.1	313.0
HOF	+I Z SL	P	05 00 47.-	4.0	3.65	9	6070	54.6	75.7	310.7
	+I Z SL	-	05 00 53.-	3.0	3.76	3				
	-I Z SL	PCP	05 01 53.-	3.0	3.16	2				
	-I Z SL	PP	05 02 52.-	3.0	3.16	2				
	+I Z SL	-	05 04 11.-	4.0	3.44	4				
	-E Z SL	S	05 08 13.-	6.0	3.55	9				
	+E Z SL	PS	05 08 41.-	9.0	4.08	6				
	-E Z SL	SSS	05 13 46.-	17.0	4.94	6				
	E SL	RM	05 26 00.-	18.0	5.43					
HAM	E Z SX	P	05 00 50.-			2	6120	55.0	76.6	314.8
RF	E Z BE	P	05 00 52.5			4	6130	55.1	74.9	310.1
	+I Z BE	-	05 00 57.6			9				
FUR	-I Z SL	P	05 00 55.-	1.2	3.22	9	6170	55.5	73.9	308.3
	E SL	RM	05 23 30.-	11.0	4.91					
HLG	+ Z SL	P	05 01 00.-			7	6230	56.0	75.6	316.0
	+ Z X	P	05 01 00.-	2.0	2.89	2				
STU	E Z BE	P	05 01 02.8	1.2	2.83	2	6300	56.7	73.0	309.4
	-E N SL	S	05 09 00.0	24.0	4.18	7				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
TNS	2E Z SL	P	05 01 03.5			5	6310	56.7	73.4	311.3
	Z SL	PPP	05 04 22.0			3				
	E N SL	S	05 09 04.5			7				
	N SL	SS	05 13 04.0			5				
KRL	-E Z ST	P	05 01 06.8	2.0		6	6350	57.1	72.7	309.9
	-I Z WH	P	05 01 07.0	4.0		9				
BOC	-I Z B4	P	05 01 08.5	3.0	3.78	2	6350	57.1	73.4	313.0
	-E E B4	S	05 08 53.5	10.0	4.74	2				
	Z B4	MAXIMUM	05 27 43.5	14.0	5.47					
BNS	-I Z FS	P	05 01 07.6	2.6	2.97		6370	57.3	73.1	312.4
	E Z FS	PP	05 04 25.-							
	Z FS	-	05 28 45.-	13.0						
BUH	-I Z GT	P	05 01 07.0				6370	57.3	72.3	309.6
JUL 14 GS H= 12 38 18.3 LAT = 37.9 N LONG= 21.1 E DEPTH= 36 KM MAGNITUDE= 4.7 SOUTHERN GREECE										
JUL 14 BCS H= 12 38 19.0 LAT = 37.8 N LONG= 21.2 E SOUTHERN GREECE										
FUR	+I Z SL	P	12 41 15.-	1.5	1.43	1	1330	12.5	141.6	328.3
	+I Z SL	PP	12 41 24.-	1.9	2.09	2				
	+I Z SL	-	12 41 44.-	1.6	1.88	3				
	-I Z SL	S	12 43 40.-	1.3	1.79	3				
	+I Z SL	SS	12 44 01.-	1.8	2.18	4				
	+I Z SL	SSS	12 44 11.-	1.8	2.00	2				
	+I Z SL	-	12 44 24.-	1.6	1.81	3				
	Z SL	QM	12 46 50.-	3.0	2.90					
GRF	E Z BE	P	12 41 28.5			1	1530	13.8	145.3	332.1
	E Z BE	-	12 41 36.6			2				
	E Z BE	-	12 41 41.1			4				
	+I Z BE	-	12 41 46.9			4				
HOF	Z SL	QM	12 48 50.-	7.0	3.33		1560	14.0	148.6	335.0
BUH	E Z GT	P	12 41 38.0				1580	14.2	134.4	323.2
BRN	+I Z ET	P	12 42 01.6			2	1730	15.5	156.1	341.7
BNS	-E Z FS	P	12 42 08.3	1.5	1.78		1820	16.4	137.6	327.4
	E Z SL	LR	12 43 24.-	14.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 14 ERL H= 13 39 30.0 LAT = 35.3 N LONG= 86.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.9 TIBET										
BRN	-I Z ET	P	13 48 48.0	2.4	3.29	9	5930	53.3	78.0	313.0
	-E Z ET	PP	13 50 49.-			3				
HOF	+I Z SL	P	13 48 57.-	4.0	3.58	9	6070	54.6	75.6	310.6
	-I Z SL	PP	13 50 01.-	5.0	3.00	2				
	-I Z SL	APP	13 50 13.-	4.0	2.84	1				
	+E Z SL	PPP	13 51 18.-	2.0	2.62	2				
	Z SL	RM	14 15 20.-	12.0	4.36					
HAM	I Z SX	P	13 49 01.1			3	6120	55.0	76.4	314.8
GRF	-I Z BE	P	13 49 02.2	2.0	2.99	9	6140	55.2	74.7	310.0
FUR	-I Z SL	P	13 49 04.-	1.7	2.76	9	6180	55.6	73.8	308.2
	-I Z SL	XP	13 49 20.-	1.8	2.26	6				
	-E Z SL	PP	13 51 09.-	3.0	2.97	6				
	+I Z SL	-	13 52 23.-	2.0	2.38	9				
	Z SL	RM	14 15 00.-	23.0	3.81					
HLG	Z SL	P	13 49 08.-			4	6230	56.0	75.5	316.0
STU	-E Z BE	P	13 49 12.0	1.9	3.06	5	6310	56.7	72.9	309.4
TNS	Z SL	P	13 49 12.-			5	6310	56.7	73.3	311.3
	N SL	S	13 57 09.-			3				
BNS	-I Z FS	P	13 49 16.9	2.4	2.66		6370	57.3	72.9	312.4
	-I Z SL	-	13 49 17.-	6.0						
	E Z SL	PP	13 52 44.-							
	E Z SL	S	13 57 19.-							
	E Z SL	-	14 01 53.-							
	E Z SL	LR	14 07 40.-	52.0						
	Z SL	-	14 16 00.-	17.0						
BUH	-I Z GT	P	13 49 16.9				6380	57.3	72.2	309.5
JUL 14 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	15 53 25.0							
GRF	E Z BE	P	15 53 32.-			1				
FUR	-I Z SL	-	15 54 02.-	1.9	1.75	2				
JUL 15 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	PN	08 49 26.0							
	E E X	-	08 50 14.5							
	E E X	SG	08 51 13.3							
	E E X	-	08 51 21.0							
GRF	E Z BE	P	08 49 38.3			2				
BUH	E Z GT	P	08 50 09.0							
JUL 15 ERL H= 14 06 49.8 LAT = 43.4 N LONG= 146.5 E DEPTH= 43 KM MAGNITUDE= 5.4 KURIL ISLANDS										
HOF	-I Z SL	P	14 18 47.-	1.5	2.52	3	8750	78.6	32.0	332.3
GRF	+I Z BE	P	14 18 53.3	0.9	2.01	5	8830	79.4	31.5	332.3
	E Z BE	AP	14 19 08.1			1				
BNS	I Z FS	P	14 18 53.8	1.0	1.48		8850	79.6	28.9	335.2
	E Z FS	-	14 19 04.5							
	E Z FS	-	14 19 08.3	1.2	1.73					
FUR	-I Z SL	P	14 19 00.-	1.8	2.04	4	8970	80.7	31.4	331.5
	-E Z SL	XP	14 19 11.-	1.6	1.65	3				
	-I Z SL	-	14 19 16.-	1.5	1.73	3				
STU	E Z BE	P	14 19 00.5	1.0	1.97	2	8990	80.9	30.0	333.0
BUH	E Z GT	P	14 19 02.6				9040	81.3	29.4	333.5
JUL 16 NO DETERMINATION OF EPICENTER										
BUH	-I Z GT	PG	01 58 54.7							
JUL 16 ERL H= 13 08 27.1 LAT = 7.5 S LONG= 122.1 E DEPTH=392 KM MAGNITUDE= 5.4 FLORES SEA										
GRF	E Z BE	PP	13 26 48.4			1	12140	109.1	78.7	320.0
JUL 16 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	14 12 26.5			2				
	E Z BE	-	14 12 39.2			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 16 ERL H= 18 12 57.5 LAT = 17.3 N LONG= 100.7 W DEPTH= 44 KM MAGNITUDE= 5.6 GUERRERO, MEXICO										
BNS	+I Z FS	P	18 25 42.3	4.0	2.48		9730	87.5	294.5	37.0
	+I Z SL	-	18 25 43.-	14.0						
	E Z SL	PP	18 29 03.-							
	E Z SL	S	18 36 36.-							
	E Z SL	LR	18 54 00.-	55.0						
	Z SL	-	19 05 00.-	22.0						
BUH	E Z GT	P	18 25 49.5				9900	89.1	295.3	38.8
GRF	+E Z BE	P	18 25 56.2			2	10050	90.4	297.6	37.1
	E Z BE	PP	18 29 31.1			2				
HOF	+E Z SL	P	18 25 58.-	1.5	2.43	4	10060	90.4	298.1	36.3
	-E Z SL	PP	18 29 31.-	2.0	2.80	3				
	Z SL	RM	19 09 50.-	17.0	4.09					
FUR	-E Z SL	P	18 26 01.-	2.0	1.80	5	10130	91.1	297.6	38.4
	+I Z SL	-	18 26 31.-	1.8	2.00	9				
	-I Z SL	PP	18 29 36.-	2.6	2.69	9				
	-I Z SL	-	18 29 45.-	3.0	2.81	5				
	Z SL	RM	19 08 00.-	20.0	3.32					
JUL 16 NO DETERMINATION OF EPICENTER										
BNS	I Z FS	SG	19 38 50.0							
	I Z FS	-	19 38 53.2	1.0	2.11					
JUL 16 ERL H= 19 45 38.2 LAT = 35.1 N LONG= 86.5 E DEPTH= 15 KM MAGNITUDE= 5.4 TIBET										
GRF	E Z BE	P	19 55 12.6			1	6140	55.2	75.0	310.1
	+I Z BE	-	19 55 15.6	0.9	1.83	4				
FUR	-I Z SL	P	19 55 16.-	1.6	2.08	5	6180	55.6	74.0	308.3
	-I Z SL	XP	19 55 29.-	1.8	2.00	9				
	+I Z SL	-	19 56 05.-	1.8	2.04	3				
	+E Z SL	PCP	19 56 14.-	1.8	1.90	8				
BUH	E Z GT	P	19 55 28.5				6380	57.4	72.5	309.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 16 ERL H= 20 45 26.4 LAT = 55.1 N LONG= 161.0 E DEPTH= 81 KM MAGNITUDE= 5.0 NEAR EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	20 56 46.6	0.6	1.00	2	8070	72.6	17.7	340.0
JUL 16 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	20 58 52.5							
JUL 16 ERL H= 22 33 50.5 LAT = 28.3 S LONG= 176.6 W DEPTH= 89 KM MAGNITUDE= 4.4 KERMADEC ISLANDS REGION										
GRF	E Z BE	APKP	22 54 11.7			1	17540	157.8	18.6	346.4
JUL 17 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	20 30 21.-	1.5	1.28	3				
JUL 18 ERL H= 03 53 41.2 LAT = 14.9 N LONG= 119.9 E DEPTH= 56 KM MAGNITUDE= 5.1 LUZON, PHILIPPINE ISLANDS										
GRF	E Z BE	P	04 06 37.7			1	10050	90.3	66.4	322.0
FUR	-E Z SL	P	04 06 41.-	1.8	1.60	4	10110	90.9	66.4	320.6
	-I Z SL	AP	04 06 51.-	1.8	2.00	2				
BUH	E Z GT	P	04 06 48.2				10290	92.6	64.1	321.9
JUL 18 ERL H= 15 21 23.0 LAT = 18.3 S LONG= 69.2 W DEPTH=151 KM MAGNITUDE= 5.7 NORTHERN CHILE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-I Z SL	P	15 34 40.-	1.8	1.78	6	10820	97.3	250.8	41.7
	+I Z SL	PP	15 38 34.-	2.2	1.36	3				
GRF	E Z BE	P	15 34 41.9			2	10870	97.8	250.9	40.3
	E Z BE	-	15 38 10.8			1				
	E Z BE	PP	15 38 36.5			1				
HOF	+E Z SL	P	15 34 45.-	1.5	2.22	5	10940	98.4	251.5	39.8
	+E Z SL	AP	15 35 23.-	3.0	2.73	9				
	+E Z SL	XP	15 35 37.-	3.0	2.73	9				
	-I Z SL	PP	15 38 44.-	2.0	2.80	5				

JUL 18 ERL
H= 17 41 39.5
LAT = 21.4 S
LONG= 179.0 W
DEPTH=633 KM
MAGNITUDE= 4.3
FIJI ISLANDS REGION

GRF	E Z BE	PKP	18 00 33.4			2	16750	150.7	19.7	346.4

JUL 19 ERL
H= 02 21 14.8
LAT = 43.5 N
LONG= 146.8 E
DEPTH= 68 KM
MAGNITUDE= 4.2
KURIL ISLANDS

GRF	E Z BE	P	02 33 14.3			2	8830	79.4	31.2	332.4

JUL 19 ERL
H= 04 06 21.6
LAT = 43.2 N
LONG= 146.4 E
DEPTH= 66 KM
MAGNITUDE= 4.8
KURIL ISLANDS

GRF	E Z BE	P	04 18 22.9			3	8840	79.5	31.6	332.2

JUL 19 ERL
H= 05 44 25.6
LAT = 18.1 S
LONG= 178.3 W
DEPTH=571 KM
MAGNITUDE= 5.8
FIJI ISLANDS REGION

BNS	-I Z FS	P	06 03 06.6	1.0	2.32		16340	146.9	9.5	353.7
	E Z FS	-	06 03 21.0							
GRF	E Z BE	PKIKP	06 03 03.2			2	16410	147.6	17.0	348.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z BE	PKHKP	06 03 07.7			9				
	E Z BE	-	06 03 11.5			3				
STU	E Z BE	PKP	06 03 05.5	1.3	1.95	2	16550	148.8	13.8	350.4
	E Z BE	-	06 03 10.2	1.0	2.33	5				
	E Z BE	-	06 03 15.5	1.0	2.09	2				
FUR	+I Z SL	PKP1	06 03 06.-	1.8	2.00	3	16570	149.0	17.9	347.5
	-I Z SL	PKHKP	06 03 10.-	1.8	2.74	9				
	-I Z SL	PKP2	06 03 16.-	1.5	2.32	9				
	+I Z SL	-	06 03 38.-	1.8	2.18	2				
	+E Z SL	APKP	06 05 29.-	1.8	1.95	2				
	-I Z SL	APKP	06 05 33.-	1.8	2.00	2				
	-I Z SL	SKP	06 05 44.-	1.8	1.95	2				
	-I Z SL	XPKP	06 06 33.-	1.8	1.90	8				
BUH	-E Z GT	PKP	06 03 05.7				16570	149.0	12.1	351.6

JUL 19 ERL
H= 13 15 29.5
LAT = 43.2 N
LONG= 146.8 E
DEPTH= 50 KM
MAGNITUDE= 4.7
KURIL ISLANDS

GRF	E Z BE	P	13 27 33.5			2	8860	79.6	31.3	332.5

JUL 19
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+E Z SL	P	14 21 13.-	2.0	2.58	9				
	-E Z SL	S	14 21 30.-	1.5	2.60	9				
GRF	E Z BE	PN	14 21 24.1			2				
	E Z BE	PG	14 21 30.9			3				
	E N BE	SG	14 21 53.9			2				

JUL 19 ERL
H= 18 05 37.4
LAT = 8.0 N
LONG= 38.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
CENTRAL MID-ATLANTIC RIDGE

GRF	E Z BE	P	18 15 31.4			2	6480	58.3	241.8	35.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 19 ERL										
H= 19 28 43.7										
LAT = 73.8 N										
LONG= 8.6 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
GREENLAND SEA										
GRF	E	Z BE	P	19 33 56.8			1	2690	24.2	358.2 175.8
FUR	-I	Z SL	P	19 34 14.-	1.6	1.60	2	2860	25.7	358.2 175.8
	+I	Z SL	-	19 34 16.-	1.2	2.00	3			
JUL 19 ERL										
H= 21 22 16.5										
LAT = 19.6 S										
LONG= 175.1 W										
DEPTH=133 KM										
MAGNITUDE= 5.0										
TONGA ISLANDS										
GRF	E	Z BE	PKP	21 41 52.3			2	16630	149.6	11.8 351.9
	E	Z BE	-	21 41 57.4			3			
JUL 20 ERL										
H= 08 01 16.7										
LAT = 56.3 S										
LONG= 146.9 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.2										
WEST OF MACQUARIE ISLAND										
FUR	-I	Z SL	PKP1	08 21 09.-	2.1	2.46	7	16910	152.1	123.6 272.1
	+I	Z SL	PKHKP	08 21 15.-	2.0	2.14	3			
	+I	Z SL	XPKP	08 21 22.-	2.0	2.05	2			
	-I	Z SL	APKP	08 21 38.-	1.8	1.90	8			
HOF	-E	Z SL	PKP1	08 21 11.-	2.0	2.23	4	17000	152.9	120.2 276.5
	+I	Z SL	XPKP	08 21 23.-	2.0	2.32	5			
GRF	E	Z BE	PKP	08 21 11.2			2	17000	152.9	121.1 274.9
	E	Z BE	-	08 21 22.9			1			
BUH	E	Z GT	PKP	08 21 26.7				17130	154.1	122.7 270.6
JUL 20 ERL										
H= 08 12 53.5										
LAT = 36.4 N										
LONG= 141.0 E										
DEPTH= 46 KM										
MAGNITUDE= 5.8										
NEAR EAST COAST OF HONSHU, JAPAN										
BRN	+I	Z ET	P	08 25 02.-	4.0	3.11	8	8950	80.5	40.3 330.6
	+E	Z ET	AP	08 25 14.5	3.0		3			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HLG	+	Z SL	P	08 25 05.9			2	9020	81.1	36.6 334.2
HOF	-I	Z SL	P	08 25 11.-	2.0	3.36	9	9190	82.7	39.2 329.9
	-I	Z SL	PCP	08 25 18.-	2.0	2.80	9			
	+I	Z SL	XP	08 25 26.-	3.0	2.32	9			
	-E	Z SL	PP	08 28 23.-	6.0	3.25	4			
		Z SL	RM	09 05 20.-	15.0	4.23				
GRF	+I	Z BE	P	08 25 18.1	1.0	1.99	9	9280	83.4	38.6 329.8
	E	Z BE	-	08 25 34.3			2			
	E	Z BE	-	08 25 58.6			4			
BNS	+I	Z FS	P	08 25 19.9	2.5	2.45		9340	84.0	35.9 332.7
	+I	Z SL	-	08 25 20.-	19.0					
	E	Z FS	-	08 25 34.-						
	E	Z SL	S	08 36 11.-						
	E	Z SL	LR	08 53 00.-	60.0					
		Z SL	-	09 07 00.-	18.0					
FUR	+I	Z SL	P	08 25 23.-	2.0	2.75	9	9410	84.6	38.6 328.8
	+I	Z SL	PCP	08 25 28.-	1.7	2.32	7			
	+I	Z SL	XP	08 25 38.-	1.2	2.43	4			
	-I	Z SL	XPCP	08 25 42.-	1.5	2.43	8			
	+I	Z SL	PP	08 28 32.-	1.9	2.19	2			
	-I	Z SL	-	08 30 36.-	2.0	2.27	9			
	+E	Z SL	-	08 36 50.-	3.0	2.51	5			
		E SL	QM	08 59 30.-	19.0	3.98				
STU	E	Z BE	P	08 25 24.5	1.0	2.20	5	9450	85.0	37.2 330.3
BUH	+I	Z GT	P	08 25 27.5				9500	85.4	36.5 330.8
JUL 20										
NO DETERMINATION OF EPICENTER										
BNS	E	Z FS	P	15 07 45.5						
JUL 20 BCS										
H= 23 27 48.0										
LAT = 79.9 N										
LONG= 2.0 E										
GREENLAND SEA										
JUL 20 ERL										
H= 23 27 48.3										
LAT = 80.0 N										
LONG= 0.2 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.2										
NORTH OF SVALBARD										
GRF	+E	Z BE	P	23 34 02.0			3	3390	30.5	356.8 168.2
FUR	-I	Z SL	P	23 34 15.-	1.8	1.78	6	3560	32.0	356.9 168.3
	-I	Z SL	AP	23 34 21.-	1.8	2.00	3			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	-I Z SL	XP	23 34 37.-	1.8	1.90	3				
	+E Z SL	PP	23 35 19.-	1.8	1.78	3				
	+E Z SL	XPP	23 35 28.-	2.0	1.88	6				
	+E Z SL	-	23 35 39.-	1.6	1.48	2				

JUL 20 ERL
H= 23 42 02.1
LAT = 43.0 N
LONG= 146.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
KURIL ISLANDS

GRF	E Z BE	P	23 54 16.0			1	8850	79.6	31.8	332.1

JUL 21
NO DETERMINATION OF EPICENTER

RUH	E Z GT	PN	02 45 12.0							
GRF	E Z BE	PG	02 45 29.1			1				
	E Z BE	SG	02 46 13.3			2				

JUL 21 ERL
H= 04 19 17.1
LAT = 24.8 S
LONG= 179.2 W
DEPTH=411 KM
MAGNITUDE= 5.9
SOUTH OF FIJI ISLANDS

BRN	-I Z ET	PKIKP	04 38 16.4	3.0	2.95	9	16780	150.9	23.7	344.3
	-I Z ET	PKHKP	04 38 22.-	2.0	3.38	9				
	-I Z ET	PKP2	04 38 31.-	2.0		5				
HOF	+I Z SL	PKP1	04 38 19.-	1.8	3.13	9	17030	153.1	22.8	344.2
	+I Z SL	PKHKP	04 38 27.-	1.8	3.40	9				
	+I Z SL	PKP2	04 38 40.-	1.8	3.62	7				
	-I Z SL	APKP	04 40 15.-	2.4	2.86	3				
	+I Z SL	PP	04 42 13.-	1.8	3.06	2				
BNS	-I Z FS	PKP	04 38 19.3	2.3	2.18		17060	153.4	13.1	350.9
	-I Z SL	-	04 38 20.-							
	-I Z FS	-	04 38 28.6	1.5	2.45					
	-I Z FS	-	04 38 42.0	1.8	2.85					
	E Z SL	-	04 41 04.-							
	E Z SL	-	04 42 14.-							
GRF	E Z BE	PKP	04 38 21.3	1.3	2.23	2	17110	153.9	22.0	344.5
	-I Z BE	-	04 38 30.0			3				
	E Z BE	-	04 38 44.9			6				
	E Z BE	PP	04 42 13.1			4				
	+E Z BE	-	04 42 25.4			3				
	E Z BE	-	04 42 41.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
TNS	2 Z SL	PKP	04 38 22.-			3	17120	153.9	16.0	348.7
KRL	-I Z WH	PKP	04 38 23.6	2.0		9	17250	155.1	16.7	348.0
	-E Z ST	PKP	04 38 23.8	1.5		5				
STU	+E Z BE	PKP	04 38 22.7	1.0	2.53	7	17260	155.2	18.5	346.7
	E Z BE	-	04 38 32.0	0.9	2.38	2				
	E Z BE	-	04 38 49.5	1.5	3.35	3				
FUR	-I Z SL	PKP1	04 38 21.-	1.6	2.38	9	17260	155.3	23.3	343.1
	-I Z SL	PKHKP	04 38 31.-	1.8	2.54	5				
	+I Z SL	PKP2	04 38 51.-	1.3	2.73	5				
	+I Z SL	-	04 39 28.-	1.6	2.48	6				
	+I Z SL	APKP	04 40 28.-	1.8	2.48	4				
	+I Z SL	PP	04 42 31.-	1.5	2.02	1				
	+I Z SL	-	04 43 29.-	1.8	2.20	2				
RUH	-E Z GT	PKP	04 38 21.7				17290	155.5	16.5	348.1
	E Z GT	PKP	04 38 32.8							
	I Z GT	PKP	04 38 51.5							

JUL 21 ERL
H= 05 25 25.0
LAT = 35.5 N
LONG= 96.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
TSINGHAI PROVINCE, CHINA

GRF	E Z BE	P	05 35 36.1			2	6760	60.8	68.5	312.2
FUR	-I Z SL	P	05 35 40.-	1.6	1.74	9	6820	61.3	67.7	310.6
	+I Z SL	-	05 35 44.-	1.5	1.78	2				

JUL 21 GS
H= 08 03 01.5
LAT = 35.0 N
LONG= 24.6 E
DEPTH= 5 KM (GEOPHYSICIST)
MAGNITUDE= 3.3
CRETE

GRF	E Z BE	P	08 07 10.6			1	1960	17.6	141.2	330.3

JUL 21 BCS
H= 12 51 53.0
LAT = 34.9 N
LONG= 24.8 E
CRETE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 21 ERL H= 12 51 55.7 LAT = 35.0 N LONG= 24.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 CRETE										
FUR	-I Z SL	P	12 55 47.-	1.6	1.60	1	1850	16.6	137.9	326.9
	+I Z SL	-	12 55 51.-	1.2	1.85	4				
	-I Z SL	PPP	12 56 08.-	1.5	1.28	5				
GRF	E Z BE	P	12 56 02.0			2	1980	17.8	140.9	330.1
BUH	E Z GT	P	12 56 08.2				2050	18.4	132.2	323.3
BNS	E Z FS	P	12 56 35.7	1.5	1.30		2280	20.5	134.7	326.9
JUL 21 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	17 29 25.0							
JUL 21 ERL H= 19 13 36.2 LAT = 22.1 S LONG= 179.4 W DEPTH=598 KM MAGNITUDE= 4.9 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	19 32 34.3			2	16810	151.2	20.7	345.7
JUL 21 ERL H= 19 50 06.3 LAT = 35.1 N LONG= 86.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 TIBET										
GRF	E Z BE	P	19 59 38.6			2	6130	55.2	75.0	310.1
FUR	-I Z SL	P	19 59 40.-	1.7	1.86	9	6170	55.5	74.0	308.3
BUH	E Z GT	P	19 59 52.5				6370	57.3	72.4	309.6
JUL 22 ERL H= 01 37 33.5 LAT = 36.5 N LONG= 140.6 E DEPTH= 62 KM MAGNITUDE= 3.3 NEAR EAST COAST OF HONSHU, JAPAN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	P	01 49 54.3			2	9250	83.2	38.8	329.6
JUL 22 ERL H= 05 30 55.8 LAT = 34.2 N LONG= 136.9 E DEPTH=357 KM MAGNITUDE= 3.7 SOUTHERN HONSHU, JAPAN										
GRF	E Z BE	P	05 42 45.5			2	9290	83.5	42.6	327.9
JUL 22 ERL H= 15 11 25.6 LAT = 30.5 S LONG= 179.3 W DEPTH=261 KM MAGNITUDE= 4.5 KERMADEC ISLANDS REGION										
GRF	+E Z BE	PKP2	15 31 32.4	1.2	1.75	4	17710	159.3	26.5	340.4
FUR	+I Z SL	PKP2	15 31 38.-	1.6	1.78	6	17860	160.6	28.6	338.2
BUH	E Z GT	P	15 31 39.1				17900	161.0	20.4	344.5
JUL 22 GS H= 21 06 56.8 LAT = 48.4 N LONG= 6.4 E DEPTH= 12 KM FRANCE										
JUL 22 BCS H= 21 06 58.0 LAT = 48.3 N LONG= 6.5 E FRANCE BCIS= FELT IN THE DISTRICT VOSGES. FELT WITH INTENSITY IV AT GRANDVILLERS, AYDOILLES, MEMENIL, III-IV AT BRUYERES, III AT BULT, DESTORK, GIRECOURT AND II AT RAMBERVILLERS.										
BUH	+I Z GT	PN	21 07 19.8						140	1.2
	E Z GT	SG	21 07 51.5							
STU	+E Z BE	PN	21 07 28.3	0.4	1.24	2	210	1.9	259.4	77.4
	E E BE	PG	21 07 33.0							
	E N BE	SG	21 07 55.7	0.5	2.29	3				
TNS	E Z B	PN	21 07 35.7						250	2.2
	E Z B	PB	21 07 40.2							

257.4 76.0

216.4 34.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z B	SG	21 07 44.5							
	E Z B	SB	21 08 15.3							
	E Z B	SG	21 08 19.2							
BNS	E Z FS	SG	21 08 25.0	1.0	1.48		290	2.6	190.7	10.2
FUR	-E Z SL	SN	21 08 43.-	1.3	1.59	5	360	3.2	275.9	92.3
	+E Z SL	SB	21 08 54.-	1.3	1.36	3				
	+E Z SL	SG	21 09 04.-	1.3	1.49	4				
	Z SL	MAXIMUM	21 09 50.-	1.8	1.78					
GRF	E Z BE	PN	21 08 01.1			1	380	3.4	249.4	65.8
	E Z BE	PG	21 08 03.5			3				
	I N BE	SG	21 08 44.3			4				

JUL 22 BCS
H= 21 16 05.0
LAT = 48.3 N
LONG= 6.5 E
FRANCE

BUH	E Z GT	PN	21 16 26.8				130	1.2	253.9	72.6

JUL 22
NO DETERMINATION OF EPICENTER

BUH	E ? GT	PN	21 50 16.6							

JUL 23 ERL
H= 01 22 57.8
LAT = 50.0 N
LONG= 78.9 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 6.3
EASTERN KAZAKH SSR

JUL 23 BCS
H= 01 23 00.0
LAT = 50.1 N
LONG= 79.2 E
DEPTH= 0 KM (GEOPHYSICIST)
EASTERN KAZAKH SSR

BCIS= SEMIPALATINSK AREA. UNDOUBTLY ARTIFICIAL (UPP).

BRN	+I Z ET	P	01 30 36.0	1.6	3.00	9	4440	39.9	66.4	299.6
	+E Z ET	PP	01 32 07.5			2				
	E N ET	S	01 36 46.-			2				
HOF	-I Z SL	P	01 30 46.-	1.9	3.59	9	4620	41.6	63.5	297.2
	+I Z SL	PP	01 32 27.-	2.0	3.40	8				
	-I Z SL	PCP	01 32 47.-	1.8	2.76	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	PPP	01 32 57.-	1.8	2.76	2				
	Z SL	RM	01 45 20.-	3.5	3.45					
GRF	+I Z BE	P	01 30 55.1	1.2	2.97	9	4700	42.2	62.6	296.7
	I Z BE	-	01 31 21.9			4				
FUR	+I Z SL	P	01 31 01.-	1.6	2.59	9	4770	42.9	61.2	294.7
	+I Z SL	-	01 31 17.-	1.5	1.73	7				
	+I Z SL	-	01 31 33.-	1.8	1.30	2				
	-I Z SL	-	01 31 51.-	1.5	1.96	4				
	-I Z SL	-	01 32 15.-	1.5	1.83	4				
	+I Z SL	PP	01 32 40.-	1.3	2.36	4				
	+I Z SL	PPP	01 33 14.-	2.0	2.27	2				
	+I Z SL	-	01 33 28.-	2.0	2.35	2				
	-I Z SL	S	01 37 22.-	1.8	2.04	4				
	Z SL	QM	01 46 30.-	3.3	3.27					
TNS	+I Z B	P	01 31 05.5				4850	43.6	61.9	298.6
	E Z B	PCP	01 32 45.0							
STU	+I Z BE	P	01 31 03.2	1.1	2.94	9	4880	43.8	60.9	296.4
BNS	+I Z FS	P	01 31 08.2	1.4	2.67		4890	43.9	62.0	300.1
	E ? FS	PP	01 32 49.-							
	E Z FS	-	01 32 54.5							
BUH	+I Z GT	P	01 31 11.9				4940	44.5	60.4	296.3

JUL 23 ERL
H= 10 02 05.2
LAT = 24.1 N
LONG= 122.3 E
DEPTH= 42 KM
MAGNITUDE= 5.4
TAIWAN REGION

HOF	-I Z SL	P	10 14 22.-	1.8	2.67	9	9330	83.9	59.5	322.8
	Z SL	RM	10 57 00.-	13.0	3.72					
FUR	+I Z SL	P	10 14 38.-	1.6	2.13	9	9490	85.3	58.9	321.2
	+E ? SL	XPCP	10 14 58.-	1.5	1.28	1				
	+E Z SL	PP	10 17 57.-	2.0	2.00	4				
	N SL	RM	10 58 00.-	18.0	3.27					
BUH	E Z GT	P	10 14 46.2				9650	86.8	56.7	322.7

JUL 23
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	12 44 00.1			2				
	E Z BE	-	12 44 01.6			3				
	E N BE	SG	12 44 31.1			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 23 ERL H= 14 34 05.0 LAT = 21.8 N LONG= 121.3 E DEPTH= 73 KM MAGNITUDE= 5.0 TAIWAN REGION										
GRF	E Z BE	P	14 46 38.5			2	9540	85.8	61.1	322.3
FUR	+I Z SL	P	14 46 42.-	1.6	1.70	5	9620	86.5	61.0	320.9
	+I Z SL	XPCP	14 46 59.-	2.0	1.88	3				
JUL 23 NO DETERMINATION OF EPICENTER										
FUR	-I Z SL	-	15 41 05.-	1.6	1.54	2				
	-E Z SL	-	15 41 21.-	1.5	1.36	6				
JUL 23 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	16 37 14.5			1				
JUL 23 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	P	17 25 43.-	1.5	1.49	3				
JUL 23 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	18 42 36.5							
JUL 23 ERL H= 18 51 02.3 LAT = 52.3 N LONG= 174.8 W DEPTH= 84 KM MAGNITUDE= 4.7 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	-E Z BE	P	19 02 55.1	0.6	1.12	3	8700	78.2	3.7	356.0
BUH	E Z GT	P	19 03 00.8				8820	79.4	1.9	358.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 23 ERL H= 20 37 46.1 LAT = 30.8 N LONG= 113.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 GULF OF CALIFORNIA										
GRF	E Z BE	P	20 50 26.4			2	9570	86.1	314.8	32.4
JUL 23 BCS H= 23 25 10.0 LAT = 44.0 N LONG= 12.8 E NORTHERN ITALY										
JUL 23 ERL H= 23 25 10.8 LAT = 44.1 N LONG= 12.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.0 NORTHERN ITALY										
BCIS= FELT AT PESARO, CATTOLICA, RICCIONE AND RIMINI (TRI).										
FUR	+I Z SL	-	23 26 30.-	1.0	2.24	3	480	4.3	165.2	346.3
	-I Z SL	PG	23 26 38.-	1.5	1.59	1				
	+I Z SL	SN	23 27 08.-	1.5	1.76	2				
	-I Z SL	SB	23 27 20.-	1.5	1.59	3				
	+I Z SL	SG	23 27 27.-	1.5	1.62	2				
	Z SL	MAXIMUM	23 28 10.-	1.8	2.64					
BUH	E Z GT	PN	23 26 32.8				630	5.6	144.2	327.5
GRF	E Z BE	P	23 26 33.8			1	640	5.8	168.6	349.8
	E Z BE	-	23 26 53.0			2				
	E Z BE	-	23 26 59.4			2				
	E Z BE	-	23 27 07.4			2				
	E Z BE	-	23 27 12.8			1				
	E N BE	S	23 27 35.7			2				
HOF	-E Z SL	-	23 26 47.-	1.5	2.12	4	710	6.3	174.0	354.6
	-I Z SL	SN	23 26 57.-	1.5	2.22	5				
	+I Z SL	SG	23 27 43.-	1.5	2.37	7				
	Z SL	MAXIMUM	23 28 20.-	2.0	2.53					
JUL 24 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	00 15 40.1							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 24 GS H= 00 46 38.1 LAT = 47.2 N LONG= 9.6 E DEPTH= 33 KM (NORMAL) GERMANY										
FUR	+I Z SL	PN	00 47 05.-	1.2	1.95	9	170	1.5	229.6	48.4
	-I Z SL	SN	00 47 29.-	1.2	1.90	8				
	Z SL	MAXIMUM	00 48 16.-	1.5	1.98					
STU	E N BE	SG	00 47 31.0	0.7	2.33	2	180	1.6	170.3	350.6
BUH	E Z GT	PN	00 47 07.4				200	1.8	148.0	329.1
GRF	I Z JM	PN	00 47 19.3			2	300	2.7	203.9	22.7
	E Z BE	PG	00 47 29.2			2				
	E Z BE	-	00 47 34.0			3				
	E N BE	SG	00 48 06.0			4				
HOF	-E Z SL	-	00 47 41.-	1.5	2.22	5	390	3.5	206.6	24.9
	+E Z SL	SB	00 48 22.-	2.0	2.23	2				
JUL 24 ERL H= 07 55 08.2 LAT = 31.5 S LONG= 179.6 E DEPTH=423 KM MAGNITUDE= 5.1 KERMADEC ISLANDS REGION										
HOF	-I Z SL	PKP2	08 14 57.-	1.5	1.52	9	17690	159.1	30.6	337.5
GRF	E Z BE	PKP	08 14 59.8			2	17780	159.9	30.0	337.7
FUR	+I Z SL	PKHKP	08 15 06.-	1.4	1.83	4	17920	161.2	32.3	335.2
	-I Z SL	SKP	08 17 22.-	2.0	1.88	3				
BUH	E Z GT	PKP	08 15 07.0				17980	161.7	24.0	341.6
JUL 24 ERL H= 08 13 15.4 LAT = 39.1 S LONG= 15.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 TRISTAN DA CUNHA REGION										
GRF	E Z BE	P	08 32 22.7			2	10180	91.5	200.7	17.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
JUL 24 ERL H= 14 50 22.5 LAT = 43.2 N LONG= 146.3 E DEPTH= 58 KM MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	E Z BE	P	15 02 24.9			2	8840	79.5	31.7	332.2
JUL 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	18 38 56.5			1				
	E Z BE	-	18 38 57.0			3				
	E N BE	SG	18 39 13.9			4				
JUL 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	18 40 34.3			1				
	E Z BE	-	18 40 34.9			3				
	E N BE	SG	18 40 50.9			4				
JUL 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	18 42 11.8			2				
	E N BE	SG	18 42 28.7			3				
JUL 24 ERL H= 20 03 35.3 LAT = 30.5 S LONG= 71.6 W DEPTH= 60 KM MAGNITUDE= 5.6 NEAR COAST OF CENTRAL CHILE										
BNS	E Z FS	PKP	20 22 09.6	2.0	1.70		11850	106.6	242.0	40.3
	E Z FS	-	20 22 26.5							
GRF	E Z BE	PKP	20 21 58.4			2	12040	108.3	244.4	42.7
	E Z BE	-	20 22 20.0			2				
	E Z BE	-	20 22 37.0			1				
JUL 24 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	23 06 48.2							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 25 ERL H= 06 08 38.7 LAT = 8.7 S LONG= 160.7 E DEPTH= 69 KM MAGNITUDE= 5.5 SOLOMON ISLANDS										
HOF	-E Z SL	PKP1	06 27 40.-	1.5	2.22	5	14580	131.1	42.8	333.9
	+E Z SL	PKS	06 31 15.-	5.0	3.00	3				
GRF	E Z BE	PKP	06 27 49.0			2	14660	131.9	42.4	333.7
	E Z BE	PP	06 31 16.6			1				
FUR	+E Z SL	PKP1	06 27 51.-	2.2	1.96	2	14780	133.0	43.4	332.3
	+I Z SL	PKHKP	06 28 01.-	1.5	1.49	8				
	+E Z SL	SKP	06 31 20.-	2.0	2.00	8				
	+I Z SL	PP	06 31 51.-	1.5	2.54	2				
BUH	E Z GT	PKP	06 27 49.4				14890	133.9	39.3	334.9
JUL 25 NO DETERMINATION OF EPICENTER										
FUR	-I Z SL	-	08 02 14.-	1.8	1.78	2				
	Z SL	MAXIMUM	08 02 54.-	1.5	1.62					
JUL 25 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	08 58 32.3							
JUL 25 NO DETERMINATION OF EPICENTER FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-I Z SL	-	11 11 53.-	1.4	1.92	3				
JUL 25 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	13 01 36.-	1.5	1.43	7				
JUL 25 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 59 02.2							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 25 ERL H= 18 28 32.1 LAT = 7.1 N LONG= 126.8 E DEPTH= 73 KM MAGNITUDE= 5.1 MINDANAO, PHILIPPINE ISLANDS										
GRF	E Z BE	P	18 42 14.4			1	11190	100.6	65.6	323.4
JUL 25 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	19 29 17.0			1				
JUL 25 ERL H= 19 58 55.8 LAT = 12.2 N LONG= 125.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 SAMAR, PHILIPPINE ISLANDS										
GRF	E Z BE	P	20 12 21.7			1	10670	96.0	63.4	323.6
	E Z BE	PP	20 16 09.4			1				
FUR	-I Z SL	P	20 12 25.-	1.9	2.00	9	10740	96.6	63.6	322.2
	-I Z SL	AP	20 12 35.-	1.8	1.90	2				
BUH	E Z GT	P	20 12 25.8				10920	98.2	61.1	323.6
JUL 25 NO DETERMINATION OF EPICENTER										
GRF	+E Z BE	P	22 26 22.7			3				
JUL 26 ERL H= 13 39 15.8 LAT = 52.8 S LONG= 140.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 WEST OF MACQUARIE ISLAND										
FUR	+I Z SL	PKP1	13 58 58.-	1.5	1.43	7	16420	147.6	117.8	282.7
	+I Z SL	APKP	13 59 18.-	1.5	1.54	2				
GRF	E Z BE	PKP	13 58 58.1			1	16500	148.4	115.6	285.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 26 NFB H= 15 05 00.6 LAT = 50.5 N LONG= 10.0 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
NFB= QUARRYBLAST AT HILDERS/RHOEN. SHOTPIONT NO. 2. H= 15 05 00.62, 50 DEG. 32 MIN. 33 SEC. N, 10 DEG. 02 MIN. 18.6 SEC. E, HEIGHT= 730 METERS, CHANGE= 8.5 TONS.										
GRF	E Z BE	PG	15 05 22.9			4	130	1.1	318.7	137.8
	E N BE	SG	15 05 39.7			1				
BUH	E Z GT	PN	15 05 36.3				250	2.2	31.5	212.9
JUL 26 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	16 24 01.4			1				
JUL 26 ERL H= 19 25 25.1 LAT = 10.4 N LONG= 94.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 ANDAMAN ISLANDS REGION										
GRF	E Z BE	P	19 37 21.6			1	8640	77.7	88.5	318.7
JUL 26 ERL H= 20 06 33.2 LAT = 10.5 N LONG= 93.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 ANDAMAN ISLANDS REGION										
HOF	-E Z SL	P	20 18 24.-	2.0	2.32	5	8550	76.9	89.4	319.3
	-E Z SL	-	20 18 30.-	2.0	2.32	5				
	-E Z SL	PCP	20 18 36.-	2.0	2.32	5				
	-E Z SL	XP	20 18 40.-	2.0	2.53	1				
GRF	E Z BE	P	20 18 28.0			2	8600	77.4	88.7	318.7
	E Z BE	PP	20 21 32.2			2				
FUR	-I Z SL	P	20 18 28.-	2.2	2.09	2	8600	77.4	88.4	317.1
	+I Z SL	-	20 18 32.-	2.0	2.27	3				
	-I Z SL	XP	20 18 39.-	1.9	1.89	1				
	-E Z SL	PP	20 21 28.-	1.8	1.85	7				
BUH	E Z GT	P	20 18 36.8				8830	79.4	86.3	317.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
E Z GT	P		20 18 43.5							
JUL 27 GS H= 10 02 09.1 LAT = 51.7 N LONG= 6.8 E DEPTH= 1 KM (GEOPHYSICIST) GERMANY										
BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. H= 10 02 15, MLOC= 3.3, MLGH= 2.4.										
BNS	-E Z FS	PG	10 02 25.4				90	0.8	343.1	162.8
	E Z FS	SG	10 02 33.0							
	I E X	-	10 02 35.2	0.5	3.14					
	E E X	-	10 02 38.0	1.1	3.16					
	E Z FS	-	10 02 40.0	1.0	3.18					
TNS	+E Z B	PN	10 02 42.2				200	1.8	326.1	144.8
	E Z B	SN	10 03 04.7							
BUH	E Z GT	PG	10 03 01.3				360	3.2	343.8	162.7
GRF	E Z JM	PN	10 03 04.2			1	390	3.5	307.8	124.3
	E N BE	SG	10 03 42.9			2				
FUR	-E Z SL	-	10 04 05.-	1.8	1.70	2	510	4.6	322.7	139.3
	+E Z SL	SN	10 04 20.-	1.5	1.28	1				
	Z SL	MAXIMUM	10 05 40.-	1.5	1.59					
JUL 27 ERL H= 14 52 22.3 LAT = 36.2 N LONG= 140.0 E DEPTH= 81 KM MAGNITUDE= 4.6 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	15 04 41.2			2	9250	83.2	39.4	329.4
JUL 27 ERL H= 16 08 32.6 LAT = 17.2 S LONG= 167.8 E DEPTH= 15 KM MAGNITUDE= 5.1 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	16 28 10.5			1	15850	142.5	38.5	335.0
FUR	-I Z SL	PKP1	16 28 07.-	1.8	1.95	9	15980	143.7	39.9	333.3
	+I Z SL	-	16 28 12.-	1.5	1.54	2				
	+I Z SL	-	16 28 23.-	1.9	2.00	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PKP	16 28 08.1				16070	144.5	35.0	336.6
JUL 27 ERL H= 16 48 13.1 LAT = 9.0 S LONG= 106.9 E DEPTH= 61 KM MAGNITUDE= 5.5 SOUTH OF JAVA										
GRF	E Z BE	PP	17 05 58.6			1	11170	100.5	91.5	318.9
JUL 27 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	17 19 35.0	1.5	1.48					
JUL 27 ERL H= 19 20 54.4 LAT = 43.6 N LONG= 146.8 E DEPTH= 62 KM MAGNITUDE= 4.9 KURIL ISLANDS										
GRF	-I Z BE	P	19 32 55.4	0.8	1.56	4	8320	79.3	31.2	332.4
BUH	E Z GT	P	19 33 04.6				9030	81.2	29.1	333.6
JUL 27 ERL H= 19 26 41.9 LAT = 15.5 S LONG= 173.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 TONGA ISLANDS										
BNS	+I Z FS	PKP	19 46 15.4	2.0	2.04		16090	144.7	0.4	359.7
	+I Z SL	-	19 46 16.-	10.0						
	E Z SL	PP	19 49 30.-							
HOF	-I Z SL	PKP1	19 46 17.-	2.0	2.80	5	16130	145.1	8.4	354.4
	-I Z SL	PKP2	19 46 22.-	3.0	3.26	3				
	+I Z SL	APKP	19 46 28.-	4.0	3.24	3				
	+I Z SL	-	19 46 45.-	2.0	2.92	4				
TNS	1E Z SL	PKP	19 46 18.-			3	16170	145.4	2.6	358.3
GRF	+E Z BE	PKP	19 46 19.2	1.8	2.56	3	16210	145.8	7.4	355.0
KPL	+I Z WH	PKP	19 46 22.4	4.0		6	16300	146.6	2.6	358.2
STU	+E Z SL	PKP	19 46 22.0	10.0	3.51	3	16320	146.8	4.0	357.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PKP	19 46 22.4				16340	146.9	2.3	358.4
FUR	+I Z SL	PKP1	19 46 24.-	1.5	1.89	9	16380	147.3	7.8	354.6
	-I Z SL	PKHKP	19 46 26.-	1.8	2.48	5				
	+I Z SL	PKP2	19 46 30.-	1.3	2.34	4				
	+I Z SL	APKP	19 46 34.-	1.5	1.98	4				
	+I Z SL	XPKP	19 46 38.-	1.8	2.53	3				
JUL 27 ERL H= 19 42 47.9 LAT = 12.8 N LONG= 86.7 W DEPTH=199 KM MAGNITUDE= 5.3 NICARAGUA										
BNS	+I Z FS	P	19 54 48.3	3.5	2.48		9180	82.6	281.1	39.5
	+I Z SL	-	19 54 50.-	6.0						
	I Z FS	-	19 55 38.2	3.0	2.57					
	I Z FS	-	19 57 09.5							
BUH	E Z GT	P	19 54 54.0				9310	83.7	282.1	41.6
	E Z GT	P	19 55 43.5							
	E Z GT	P	19 58 22.6							
GRF	E Z BE	P	19 55 04.8			2	9490	85.4	284.2	40.2
	E Z BE	AP	19 55 52.2			2				
HOF	-I Z SL	P	19 55 05.-	2.0	2.70	9	9520	85.6	284.7	39.5
	+I Z SL	AP	19 56 53.-	3.0	3.19	9				
	-I Z SL	PP	19 58 34.-	3.0	3.36	4				
	+E Z SL	-	19 59 22.-	3.0	2.68	8				
FUR	-E Z SL	P	19 55 07.-	2.0	2.10	9	9540	85.8	284.4	41.7
	+E Z SL	-	19 55 26.-	1.5	1.36	3				
	+I Z SL	AP	19 55 55.-	3.0	2.94	9				
	+I Z SL	XP	19 56 14.-	2.4	2.28	2				
BRN	-E Z ET	P	19 55 08.-	5.2		2	9550	85.9	285.5	37.2
	+E Z ET	AP	19 55 55.5	4.8	3.15	3				
JUL 27 ERL H= 20 23 50.7 LAT = 23.3 N LONG= 94.5 E DEPTH= 79 KM MAGNITUDE= 5.3 BURMA-INDIA BORDER REGION										
GRF	+E Z BE	P	20 34 46.0	0.8	1.35	3	7600	68.3	79.2	316.0
FUR	-I Z SL	P	20 34 47.-	1.5	1.43	2	7630	68.6	78.7	314.4
	-E Z SL	PCP	20 35 11.-	1.8	1.78	1				
	-I Z SL	XP	20 35 18.-	2.0	1.88	2				
	+I Z SL	-	20 35 39.-	1.8	1.85	2				
	-E Z SL	PP	20 37 17.-	1.8	1.85	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-E Z SL	-	20 37 19.-	1.8	1.70	3				
	+E Z SL	XPP	20 37 50.-	2.0	1.88	6				
STU	+E Z BE	P	20 34 54.3	1.0	1.89	3	7760	69.8	77.4	315.4
BUH	+E Z GT	P	20 34 58.1				7840	70.5	76.7	315.4

JUL 28 ERL
H= 03 41 12.8
LAT = 40.9 N
LONG= 143.2 E
DEPTH= 38 KM
MAGNITUDE= 4.5
OFF EAST COAST OF HONSHU, JAPAN

HOF	Z SL	RM	04 31 40.-	18.0	3.85		8860	79.7	35.4	330.7
FUR	-E Z SL	P	03 53 29.-	1.3	1.59	5	9080	81.6	34.8	329.8
	+E Z SL	XPCP	03 53 48.-	1.7	1.61	1				
	-E Z SL	-	03 53 59.-	1.8	1.70	5				
	E SL	RM	04 28 00.-	18.0	3.35					
BUH	E Z GT	P	03 53 29.8				9160	82.3	32.8	331.7

JUL 28 ERL
H= 04 01 09.9
LAT = 32.4 S
LONG= 178.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTH OF KERMADEC ISLANDS

FUR	-I Z SL	PKP2	04 21 58.-	1.5	1.70	9	18090	162.7	27.8	338.3
	-E Z SL	-	04 22 18.-	1.5	1.43	2				

JUL 28
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	10 03 47.3							

JUL 28
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	-E Z SL	P	11 58 36.-	1.5	2.22	5				
	Z SL	MAXIMUM	11 58 50.-	1.8	3.19					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

JUL 28 ERL
H= 14 28 44.4
LAT = 40.9 N
LONG= 143.1 E
DEPTH= 37 KM
MAGNITUDE= 5.3
OFF EAST COAST OF HONSHU, JAPAN

HOF	-I Z SL	P	14 40 49.-	2.0	2.32	5	8850	79.6	35.4	330.6
	Z SL	RM	15 19 20.-	18.0	3.85					
BNS	+I Z FS	P	14 40 55.0	1.1	1.48		8970	80.7	32.3	333.5
	E Z FS	-	14 41 11.5							
	E Z SL	LR	15 09 00.-	45.0						
	Z SL	-	15 19 30.-	20.0						
FUR	+I Z SL	P	14 41 00.-	1.5	1.96	9	9070	81.6	34.8	329.7
	+I Z SL	AP	14 41 10.-	1.5	1.59	3				
	+I Z SL	-	14 41 30.-	1.8	2.00	2				
	E SL	RM	15 16 40.-	18.0	3.58					
STU	E Z BE	P	14 41 01.0	1.0	1.79	2	9100	81.8	33.5	331.2
BUH	E Z GT	P	14 41 02.8				9150	82.3	32.8	331.7

JUL 28 ERL
H= 17 53 32.3
LAT = 22.1 N
LONG= 121.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
TAIWAN REGION

HOF	+E Z SL	P	18 06 05.-	2.0	2.62	2	9450	84.9	61.3	322.7
	-I Z SL	AP	18 06 15.-	2.0	2.80	3				
	-I Z SL	XP	18 06 19.-	1.5	2.67	4				
	-I Z SL	XPCP	18 06 26.-	2.0	2.80	3				
	-E Z SL	PP	18 09 17.-	2.0	2.32	5				
	Z SL	RM	18 49 15.-	14.0	4.10					
FUR	+I Z SL	P	18 06 14.-	1.8	2.20	9	9600	86.3	60.7	321.0
	-I Z SL	PCP	18 06 17.-	1.9	2.63	9				
	+I Z SL	AP	18 06 22.-	1.9	2.55	9				
	-I Z SL	XP	18 06 27.-	1.9	2.65	4				
	+I Z SL	-	18 06 42.-	2.6	2.79	3				
	+I Z SL	PP	18 09 40.-	2.0	2.24	4				
	-E Z SL	APP	18 09 50.-	1.8	1.95	9				
	+I Z SL	XPP	18 09 57.-	2.0	2.10	2				
	E SL	RM	18 58 45.-	15.0	3.19					
BNS	E Z FS	P	18 06 16.5	2.2	2.11		9700	87.2	57.8	324.8
	E Z FS	-	18 06 45.0							
	E Z FS	PP	18 09 41.7							
	E Z SL	LR	18 35 30.-	60.0						
	Z SL	-	18 50 00.-	19.0						
BUH	E Z GT	P	18 06 19.3				9770	87.8	58.5	322.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 28 ERL H= 18 55 10.8 LAT = 36.1 N LONG= 31.4 E DEPTH= 70 KM MAGNITUDE= 4.4 TURKEY										
JUL 28 BCS H= 18 55 13.0 LAT = 36.1 N LONG= 31.4 E DEPTH= 70 KM TURKEY										
FUR	+I Z SL	P	18 59 31.-	1.5	1.36	2	2120	19.1	121.8	315.4
	+E Z SL	-	19 00 06.-	1.5	1.28	3				
BUH	E Z GT	P	18 59 57.0				2350	21.1	118.0	313.7
JUL 28 ERL H= 20 06 36.0 LAT = 50.5 N LONG= 148.8 E DEPTH=592 KM MAGNITUDE= 5.5 SEA OF OKHOTSK										
BRN	-I Z ET	P	20 16 55.2	3.0	3.00	7	7860	70.8	28.2	333.0
	E Z ET	AP	20 18 56.-			2				
	E N ET	S	20 25 24.-	6.0		3				
HOF	+I Z SL	P	20 17 03.-	1.5	2.82	9	8130	73.1	27.1	332.8
	+I Z SL	-	20 17 14.-	1.5	3.00	6				
	+I Z SL	PCP	20 17 21.-	1.5	2.20	3				
	+I Z SL	XP	20 19 15.-	3.0	3.26	3				
	+I Z SL	PP	20 20 02.-	4.0	3.14	3				
	+E Z SL	S	20 25 50.-	4.0	2.54	5				
	+E Z SL	SKS	20 26 24.-	2.0	2.32	5				
BNS	-I Z FS	P	20 17 11.9	1.0	2.58		8210	73.8	24.4	335.9
	-I Z SL	-	20 17 13.-	8.0						
	E Z FS	-	20 19 14.5							
	E Z SL	-	20 20 04.-							
TNS	?E Z SL	P	20 17 14.-			5	8240	74.1	25.0	334.8
FUR	-I Z SL	P	20 17 20.-	1.0	2.71	9	8360	75.2	26.5	332.1
	-I Z SL	PCP	20 17 30.-	1.0	2.76	6				
	-I Z SL	-	20 18 26.-	1.5	1.36	2				
	+I Z SL	AP	20 18 43.-	1.5	1.70	3				
	-I Z SL	XP	20 19 28.-	1.5	1.98	3				
	-I Z SL	-	20 19 38.-	1.8	2.18	9				
	-I Z SL	PP	20 20 14.-	2.0	2.10	3				
	+I Z SL	-	20 20 22.-	1.5	1.76	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
STU	-I Z BE	P	20 17 19.8	1.0	2.56	7	8370	75.2	25.3	333.7
BUH	-I Z GT	P	20 17 21.7				8410	75.6	24.7	334.3
JUL 28 ERL H= 22 18 14.9 LAT = 16.1 S LONG= 71.3 W DEPTH=110 KM MAGNITUDE= 5.7 SOUTHERN PERU										
BUH	E Z GT	P	22 31 27.0				10580	95.2	251.7	40.9
BNS	-I Z FS	P	22 31 28.1	2.0	1.60		10590	95.3	251.1	38.5
FUR	-I Z SL	P	22 31 36.-	1.5	1.79	9	10780	97.0	253.8	42.0
	-I Z SL	PP	22 35 31.-	2.0	2.00	8				
JUL 29 ERL H= 01 14 17.3 LAT = 1.1 S LONG= 24.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 CENTRAL MID-ATLANTIC RIDGE										
FUR	+E Z SL	P	01 24 10.-	1.5	1.28	5	6470	58.2	223.7	27.6
JUL 29 ERL H= 09 11 03.8 LAT = 45.3 N LONG= 150.1 E DEPTH= 46 KM MAGNITUDE= 5.1 KURIL ISLANDS										
FUR	-E Z SL	P	09 23 11.-	1.5	1.28	5	8910	80.2	28.2	333.4
	+E Z SL	XP	09 23 27.-	1.3	1.59	1				
BUH	E Z GT	P	09 23 12.6				8970	80.6	26.2	335.5
JUL 29 ERL H= 14 51 03.1 LAT = 43.1 N LONG= 146.8 E DEPTH= 52 KM MAGNITUDE= 5.4 KURIL ISLANDS										
HOF	-I Z SL	P	15 03 03.-	1.5	2.48	9	8790	79.0	31.9	332.5
	+E Z SL	XP	15 03 14.-	1.5	2.22	2				
BNS	+I Z FS	P	15 03 08.2	1.2	1.60		8890	80.0	28.8	335.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	
	+I Z FS	-	15 03 20.5							
	E Z FS	-	15 06 01.-							
FUP	+I Z SL	P	15 03 14.-	1.5	1.70	9	9010	81.0	31.3	331.7
	+E Z SL	PCP	15 03 19.-	1.5	1.43	4				
	-I Z SL	AP	15 03 26.-	1.7	1.91	3				
	+E Z SL	XPCP	15 03 39.-	1.5	1.36	2				
	N SL	RM	15 44 00.-	15.0	3.33					
STU	+E Z BE	P	15 03 14.5	1.0	1.87	3	9030	81.2	30.0	333.2
BUH	E Z GT	P	15 03 16.7				9080	81.6	29.3	333.7

JUL 29 ERL
H= 15 15 49.6
LAT = 14.3 S
LONG= 72.1 W
DEPTH= 82 KM
MAGNITUDE= 5.5
PERU

BUH	E Z GT	PP	16 32 53.3				10500	94.4	253.4	40.9
FUP	+I Z SL	P	16 29 10.-	1.0	1.88	4	10700	96.2	255.6	42.0
	-I Z SL	PP	16 33 24.-	2.2	2.09	3				
HOF	-E Z SL	P	16 29 15.-	1.5	2.22	5	10800	97.1	256.3	40.0
	+E Z SL	-	16 32 52.-	4.0	2.54	5				

JUL 29 ERL
H= 21 42 21.4
LAT = 56.3 S
LONG= 147.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
WEST OF MACQUARIE ISLAND

FUR	+I Z SL	PKHKP	22 02 16.-	1.8	1.30	9	16940	152.3	123.7	271.6
	+I Z SL	-	22 02 31.-	1.5	1.59	1				
	+I Z SL	APKP	22 02 36.-	2.0	2.10	2				
	+I Z SL	-	22 02 46.-	1.5	1.49	3				
	+E Z SL	-	22 03 30.-	1.5	1.36	2				
BUH	E Z GT	PKP	22 02 11.4				17160	154.3	122.8	270.1

JUL 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	09 32 53.0							

JUL 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	12 29 54.6							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	

JUL 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	12 35 41.5							

JUL 30 GS
H= 14 16 14.4
LAT = 31.9 N
LONG= 131.8 E
DEPTH= 41 KM
MAGNITUDE= 4.8
KYUSHU, JAPAN

GRF	E Z BE	P	14 28 47.6	1.0	1.51	2	9250	83.2	47.5	325.7
FUR	-E Z SL	P	14 28 43.-	1.5	1.28	5	9360	84.2	47.4	324.6
	+I Z SL	APCP	14 28 54.-	1.5	1.28	3				
BUH	E Z GT	P	14 28 57.9				9490	85.3	45.3	326.4

JUL 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	15 42 03.2							

JUL 30 GS
H= 16 45 41.4
LAT = 16.7 S
LONG= 177.8 W
DEPTH=445 KM (GEOPHYSICIST)
MAGNITUDE= 4.4
FIJI ISLANDS REGION

GRF	-E Z BE	PKP	17 04 33.1			2	16270	146.3	15.6	349.5
	E Z BE	APKP	17 06 08.6			2				

JUL 31 ERL
H= 00 27 40.4
LAT = 35.9 S
LONG= 179.9 W
DEPTH= 58 KM
MAGNITUDE= 5.1
EAST OF NORTH ISLAND, N.Z.

GRF	E Z BE	PKP1	00 47 39.0			1	18240	164.0	34.5	333.1
	E Z BE	PKP2	00 48 28.8			1				
FUR	+E Z SL	PKP1	00 47 43.-	1.5	1.36	2	18370	165.2	37.9	329.6
	+E Z SL	PKP2	00 48 43.-	2.0	1.88	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 31 ERL H= 05 41 04.0 LAT = 37.7 S LONG= 73.4 W DEPTH= 32 KM MAGNITUDE= 5.3 NEAR COAST OF CENTRAL CHILE										
BNS	E Z SL	PP	06 00 24.-				12550	112.9	238.2	42.6
	E Z SL	S	06 10 02.-							
	E Z SL	SP	06 11 12.-							
	E Z SL	LR	06 34 00.-	34.0						
	Z SL	-	06 45 40.-	20.0						
FUR	+E Z SL	PP	06 00 38.-	1.5	1.36	6	12650	113.7	239.7	46.7
	E SL	QM	06 43 00.-	23.0	3.67					
GRF	E 7 BE	PKP	06 00 36.5			1	12730	114.5	240.2	45.3
HOF	Z SL	RM	06 51 00.-	18.0	4.15		12800	115.1	240.9	44.9
JUL 31 ERL H= 10 51 13.2 LAT = 27.1 S LONG= 71.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 NEAR COAST OF NORTHERN CHILE										
BNS	+E Z SL	P	11 05 12.-	13.0			11560	103.9	244.2	39.7
	E Z SL	PP	11 08 55.-							
	E Z SL	SP	11 19 28.-							
	E Z SL	LR	11 39 50.-	50.0						
	Z SL	-	11 55 40.-	18.0						
TNS	E Z SL	P	11 05 13.2				11600	104.3	244.9	40.8
	E 7 SL	PP	11 09 20.0							
FUR	-E Z SL	P	11 05 21.-	1.5	1.43	4	11700	105.2	246.4	43.5
	-I 7 SL	XP	11 05 37.-	2.0	2.05	3				
	+I Z SL	PP	11 09 34.-	2.2	2.36	5				
	Z SL	PM	11 53 30.-	18.0	4.22					
HLG	- Z SL	P	11 05 30.2			2	11750	105.7	245.5	36.9
HOF	-E Z SL	P	11 05 25.-	3.0	2.48	5	11830	106.4	247.4	41.6
	-E Z SL	XP	11 05 38.-	3.0	2.86	6				
	-E Z SL	PP	11 09 44.-	6.0	3.37	?				
	-E Z SL	-	11 11 43.-	5.0	3.40	5				
	-E Z SL	SKS	11 16 00.-	5.0	3.00	9				
	+E Z SL	-	11 19 43.-	6.0	3.47	4				
	Z SL	PM	11 53 30.-	18.0	4.75					
BRN	E Z ET	P	11 05 31.-			2	12000	107.9	248.9	39.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JUL 31 ERL H= 12 32 28.8 LAT = 26.8 S LONG= 70.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 NEAR COAST OF NORTHERN CHILE										
FUR	+I Z SL	PKP1	12 50 50.-	1.8	1.95	9	11630	104.5	246.2	43.2
	-E Z SL	-	12 51 29.-	2.0	2.00	1				
JUL 31 ERL H= 16 51 17.1 LAT = 36.5 N LONG= 140.6 E DEPTH= 61 KM MAGNITUDE= 4.6 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	17 03 38.0	0.7	1.17	1	9250	83.2	38.8	329.7
JUL 31 ERL H= 20 44 52.2 LAT = 8.8 S LONG= 161.0 E DEPTH= 30 KM MAGNITUDE= 5.4 SOLOMON ISLANDS										
HLG	+I Z SL	PP	21 07 28.0			2	14440	129.8	35.6	339.7
HOF	-E Z SL	PKP1	21 04 05.-	1.5	2.22	3	14600	131.3	42.5	334.0
	+E Z SL	PP	21 06 25.-	2.0	2.62	3				
	+E Z SL	APP	21 06 36.-	3.0	2.78	3				
	-E Z SL	-	21 06 50.-	3.0	2.45	9				
	+I 7 SL	SKP	21 07 30.-	7.0	3.63	9				
	+E Z SL	-	21 09 32.-	5.0	3.11	9				
	+E 7 SL	SKSP	21 16 30.-	8.0	3.23	2				
GRF	E Z BE	PKIKP	21 04 05.2			1	14630	132.1	42.1	333.9
	E Z BE	-	21 06 27.5			2				
	E Z BE	PP	21 06 51.8			2				
	E 7 BE	-	21 07 34.0			3				
	E Z BE	-	21 07 43.6			3				
BNS	E Z FS	PKP	21 04 07.-	3.0	1.85		14760	132.7	36.4	337.7
	E Z SL	-	21 04 07.-							
	I 7 SL	PP	21 07 36.-	9.0						
	E Z SL	LR	21 47 36.-	58.0						
	7 SL	-	22 01 00.-	22.0						
FUR	+E Z SL	PKP1	21 04 08.-	1.3	1.70	5	14810	133.2	43.1	332.4
	-E Z SL	-	21 04 11.-	2.0	2.10	9				
	+I 7 SL	-	21 04 40.-	2.0	2.18	3				
	+E Z SL	PP	21 06 36.-	2.8	2.54	?				
	+I Z SL	PKS	21 07 40.-	4.0	3.07	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PKP	21 04 07.8				14910	134.1	39.0	335.0

JUL 31 GS
H= 21 06 14.9
LAT = 27.3 N
LONG= 97.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
BURMA-INDIA BORDER REGION

GRF	E Z BE	P	21 17 08.0			1	7470	67.2	74.4	315.3
FUP	+I Z SL	AP	21 17 17.-	2.0	1.94	1	7510	67.6	73.9	313.7
	-E Z SL	XP	21 17 23.-	2.0	1.80	3				

AUG 01 ERL
H= 01 31 30.9
LAT = 14.3 S
LONG= 167.3 E
DEPTH=200 KM
MAGNITUDE= 6.1
NEW HEBRIDES ISLANDS

BRN	+I Z ET	PKIKP	01 50 31.5	3.8	3.78	7	15200	136.7	38.2	337.0
	-I Z ET	APKP	01 51 25.5	3.8	3.78	8				
	-I Z ET	PP	01 53 15.0	4.5		2				
	-E E ET	PKS	01 54 06.-			3				
HLG	- Z X	PKHKP	01 50 18.-	1.0	2.26	1	15240	137.0	30.0	342.3
	Z SL	PKHKP	01 50 18.-			6				
	+I Z X	PKIKP	01 50 32.0	1.6	3.15	7				
	+I Z SL	PKIKP	01 50 32.2							
	-I Z SL	APKP	01 51 18.-							
	-I Z SL	PP	01 53 13.1			4				
	-I Z X	-	01 53 50.0							
HOF	+I Z SL	PKP1	01 50 24.-	2.0	2.74	9	15440	138.9	37.8	336.1
	-I Z SL	PP	01 53 23.-	4.0	3.62	3				
	-I Z SL	SKP	01 53 42.-	5.0	4.15	3				
	-I Z SL	SKP	01 53 53.-	4.0	4.02	9				
	+I Z SL	APP	01 54 04.-	4.0	3.84	3				
	-I Z SL	XPP	01 54 26.-	2.0	3.40	2				
	-I Z SL	PPP	01 56 18.-	7.0	3.93	9				
	+I Z SL	PKKS	02 03 38.-	6.0	3.77	2				
	-I Z SL	PPS	02 05 19.-	6.0	3.97	2				
	+I Z SL	-	02 05 56.-	4.0	3.44	3				
	-E Z SL	-	02 06 36.-	8.0	3.89	2				
	+E Z SL	SS	02 10 46.-	10.0	3.75	3				
BOC	+E Z B4	PKP	01 50 30.4	2.0	3.60	2	15520	139.5	30.6	340.8
	+I Z B4	PKS	01 53 33.5	4.0	4.33	2				
GRF	E Z BE	PKP	01 50 27.8			3	15520	139.6	37.4	336.0
	I Z BE	-	01 50 37.0			9				
	E Z BE	SKKS	02 00 15.0			3				
	E Z BE	-	02 02 33.6			3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+E Z SL	PKP	01 50 24.-	12.0			15570	140.0	30.9	340.4
	-I Z FS	-	01 50 28.6	2.4	3.23					
	I Z SL	-	01 51 20.-							
	-I Z SL	PP	01 53 36.-	3.0						
	+I Z FS	-	01 53 36.3	4.0	3.67					
	E Z SL	-	02 06 30.-							
	Z SL	-	02 38 00.-	60.0						
TNS	1 Z SL	PKP	01 50 28.-			9	15590	140.2	33.2	338.7
	E Z SL	APKP	01 51 28.-			8				
	E Z SL	PP	01 53 08.-			4				
	E Z SL	SKP	01 53 32.-			9				
	E E SL	XPP	01 54 18.-			9				
FUR	-I Z SL	PKP1	01 50 35.-	1.5	2.36	9	15660	140.8	38.6	334.5
	+I Z SL	PPP	01 56 41.-	3.0	3.20	3				
	+I Z SL	-	02 05 32.-	5.0	3.54	9				
STU	E Z BE	PKP	01 50 31.0	0.8	3.06	2	15690	141.1	35.2	336.8
KRL	+I Z WH	PKP	01 50 32.0	6.0		9	15710	141.2	33.9	337.7
BUH	I Z GT	PKP	01 50 32.3				15740	141.6	33.9	337.6
	I Z GT	SKP	01 53 46.6							

AUG 01
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 26 44.2			1				

AUG 01
NO DETERMINATION OF EPICENTER

BNS	E Z FS	P	03 17 32.5							

AUG 01
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+E Z SL	P	12 23 24.-	1.5	2.52	9				
	+E Z SL	-	12 23 47.-	1.5	2.43	8				

AUG 01 ERL
H= 14 05 16.2
LAT = 29.6 N
LONG= 89.1 E
DEPTH= 71 KM
MAGNITUDE= 4.9
TIBET

GRF	E Z BE	P	14 15 21.6			2	6730	60.5	78.1	313.1
FUR	-E Z SL	-	14 15 34.-	1.5	1.18	1	6760	60.8	77.3	311.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	AP	14 15 49.-	1.5	1.28	3				
BUH	E Z GT	P	14 15 34.2				6960	62.6	75.5	312.5

AUG 01 ERL
H= 15 44 25.5
LAT = 26.8 S
LONG= 71.0 W
DEPTH= 16 KM
MAGNITUDE= 5.7
OFF COAST OF NORTHERN CHILE

FUP	+I Z SL	P	16 02 49.-	1.3	1.66	6	11640	104.7	246.2	43.3
	+I Z SL	AP	16 02 56.-	1.8	1.90	8				
	-I Z SL	XP	16 03 00.-	1.8	1.70	1				
	E SL	RM	16 48 40.-	19.0	3.83					

AUG 01 ERL
H= 17 56 23.4
LAT = 37.1 N
LONG= 141.6 E
DEPTH= 48 KM
MAGNITUDE= 4.5
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	18 08 45.9			2	9240	83.1	37.8	330.1

AUG 01
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	18 47 42.7			2				

AUG 01 ACS
H= 19 56 07.0
LAT = 40.8 N
LONG= 34.8 E
TURKEY

AUG 01 GS
H= 19 56 08.5
LAT = 40.9 N
LONG= 34.6 E
DEPTH= 19 KM
MAGNITUDE= 4.3
TURKEY

GRF	E Z BE	P	20 00 25.8			2	2090	18.8	109.3	306.2

AUG 02
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	06 59 26.8			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z JM	PG	06 59 29.0			3				
	E N BE	SG	06 59 57.0			3				

AUG 02 ERL
H= 07 12 44.5
LAT = 52.6 N
LONG= 158.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	07 24 21.4			2	8280	74.4	19.8	338.8

AUG 02 ERL
H= 08 58 15.1
LAT = 27.8 N
LONG= 104.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
YUNNAN PROVINCE,CHINA

HOF	+I Z SL	P	09 09 30.-	2.0	2.53	9	7870	70.7	69.6	317.3
	+E Z SL	AP	09 09 40.-	2.0	2.32	3				
	+E Z SL	PCP	09 09 51.-	1.5	2.12	4				
GRF	E Z BE	P	09 09 34.2	1.4	2.19	3	7940	71.4	68.9	316.8
FUR	+E Z SL	P	09 09 37.-	1.7	2.39	9	7990	71.9	68.5	315.3
	+E Z SL	PCP	09 09 54.-	1.7	1.69	6				
	+I Z SL	APCP	09 10 06.-	1.7	1.76	1				
	Z SL	RM	09 43 00.-	18.0	4.21					
BUH	-E Z GT	P	09 09 46.9				8180	73.6	66.6	316.6

AUG 02
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	Z SL	MAXIMUM	13 29 30.-	1.5	1.28					

AUG 02 ERL
H= 13 56 26.6
LAT = 37.3 N
LONG= 56.5 E
DEPTH= 36 KM
MAGNITUDE= 5.3
IRAN

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 02 BCS H= 19 56 27.0 LAT = 37.3 N LONG= 56.8 E IRAN										
HOF	Z SL	RM	20 25 20.-	10.0	3.20		3800	34.2	94.9	306.7
FUP	+E Z SL	P	20 03 12.-	1.9	1.75	5	3830	34.5	91.3	302.9
	+I Z SL	-	20 03 16.-	2.0	2.10	1				
	-E Z SL	-	20 04 04.-	1.5	1.36	6				
	-E Z SL	-	20 04 20.-	1.5	1.43	4				
	+E Z SL	PP	20 04 32.-	1.5	1.43	2				
	E SL	RM	20 21 20.-	12.0	2.69					
GRF	E Z BE	P	20 03 13.7			1	3840	34.6	93.4	305.6
BUH	E Z GT	P	20 03 29.0				4060	36.5	89.7	303.7
BNS	E Z FS	P	20 03 36.-	1.6	1.70		4140	37.2	91.9	307.5
	E Z FS	-	20 03 53.5							
	E Z FS	-	20 04 57.-							
AUG 02 ERL H= 20 28 55.7 LAT = 37.3 N LONG= 56.5 E DEPTH= 34 KM MAGNITUDE= 4.8 IRAN										
AUG 02 BCS H= 20 29 00.0 LAT = 37.1 N LONG= 56.8 E IRAN										
GRF	E Z BE	P	20 35 44.0			1	3850	34.6	93.5	305.6
AUG 02 ERL H= 22 54 55.6 LAT = 43.6 N LONG= 139.3 E DEPTH=176 KM MAGNITUDE= 4.2 EASTERN SEA OF JAPAN										
GRF	E Z BE	P	23 06 29.0			2	8520	76.6	36.0	328.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 03 ERL H= 03 57 06.8 LAT = 53.2 N LONG= 169.8 W DEPTH=124 KM MAGNITUDE= 5.0 FOX ISLANDS, ALEUTIAN ISLANDS										
GRF	+I Z BE	P	04 08 50.8	0.8	1.67	4	8610	77.5	0.6	359.3
BUH	E Z GT	P	04 08 55.6				8730	78.5	358.8	1.3
AUG 03 ERL H= 06 26 25.4 LAT = 42.5 N LONG= 145.7 E DEPTH= 45 KM MAGNITUDE= 5.0 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	06 38 31.6			2	8890	79.9	32.4	331.9
AUG 03 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	06 56 39.6							
AUG 03 ERL H= 15 44 26.9 LAT = 20.0 N LONG= 73.1 W DEPTH= 37 KM MAGNITUDE= 5.2 HAITI REGION										
BNS	E Z FS	P	15 55 27.0	1.5	1.70		7640	68.7	275.6	42.0
BUH	-E Z GT	P	15 55 34.4				7740	69.6	277.3	44.3
GRF	-E Z BE	P	15 55 45.7	1.1	1.66	2	7940	71.4	279.1	43.0
FUR	-I Z SL	P	15 55 48.-	1.5	1.76	9	7970	71.7	279.6	44.6
	+I Z SL	XP	15 56 00.-	1.5	1.28	1				
	+I Z SL	PCP	15 56 05.-	1.8	1.90	2				
	+E Z SL	-	15 56 28.-	1.7	1.61	1				
	E SL	OM	16 21 00.-	22.0	2.91					
AUG 03 ERL H= 17 23 57.0 LAT = 54.8 N LONG= 162.4 E DEPTH= 28 KM MAGNITUDE= 5.3 NEAR EAST COAST OF KAMCHATKA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BRN	+E Z ET	P	17 35 09.-	3.0	2.78	3	7800	70.1	18.4	340.5
HOF	-I Z SL	P	17 35 22.-	2.0	2.80	9	8050	72.4	17.4	340.7
	-I Z SL	AP	17 35 29.-	2.0	2.66	2				
	-I Z SL	XP	17 35 33.-	2.0	2.88	4				
	-E Z SL	APCP	17 35 50.-	2.0	2.32	1				
	-E Z SL	PP	17 37 59.-	2.0	2.32	5				
	Z SL	RM	18 13 10.-	15.0	3.97					
BNS	+I Z FS	P	17 35 23.0	2.2	2.00		8070	72.6	14.7	343.9
	E Z FS	-	17 35 31.7							
	E Z FS	-	17 37 53.-							
	E Z SL	LR	17 58 30.-	60.0						
	Z SL	-	18 11 20.-	20.0						
GRF	E Z BE	P	17 35 26.8			3	8130	73.1	17.0	340.9
	I Z BE	-	17 35 30.9			2				
FUR	+I Z SL	P	17 35 36.-	2.0	2.40	9	8290	74.6	16.9	340.4
	-I Z SL	AP	17 35 44.-	1.3	1.73	7				
	+I Z SL	XP	17 35 47.-	1.8	2.30	9				
	-I Z SL	PCP	17 35 52.-	1.8	2.18	2				
	+I Z SL	XPCP	17 36 08.-	2.0	2.10	2				
	N SL	RM	18 14 40.-	14.0	3.80					
BUH	E Z GT	P	17 35 34.8				8300	74.6	15.2	342.6

AUG 03 ERL
H= 17 31 42.8
LAT = 54.8 N
LONG= 162.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.3
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	17 43 12.9			2	8130	73.1	17.0	340.9
BUH	E Z GT	P	17 43 21.9				8300	74.7	15.2	342.6

AUG 03 ERL
H= 17 35 20.4
LAT = 54.7 N
LONG= 162.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	17 46 50.3			2	8140	73.2	17.0	340.9
BUH	E Z GT	P	17 46 58.4				8300	74.7	15.2	342.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

AUG 03 ERL
H= 19 13 05.1
LAT = 43.0 N
LONG= 147.6 E
DEPTH= 53 KM
MAGNITUDE= 4.6
KURIL ISLANDS

GRF	E Z BE	P	19 25 10.7			2	8910	80.1	30.9	333.0

AUG 03
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	19 53 48.9			1				

AUG 03 ERL
H= 23 19 18.8
LAT = 54.8 N
LONG= 162.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	23 30 48.9			1	8130	73.1	17.0	340.9

AUG 04
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	00 28 00.6			2				

AUG 04 ERL
H= 00 44 42.8
LAT = 9.8 N
LONG= 84.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
COSTA RICA

BNS	E Z FS	P	00 57 09.0	3.0	2.15		9290	83.6	277.6	39.5
	E Z FS	-	00 57 20.0							
	E Z SL	LR	01 24 00.-	40.0						
	Z SL	-	01 30 00.-	20.0						
BUH	E Z GT	P	00 57 13.6				9400	84.5	278.6	41.7
GRF	E Z BE	P	00 57 23.1			3	9600	86.3	280.7	40.3
HOF	-E Z SL	P	00 57 26.-	1.5	2.22	5	9630	86.6	281.2	39.7
	+E Z SL	APCP	00 57 36.-	3.0	2.89	3				
	+E Z SL	XPCP	00 57 43.-	3.0	2.68	3				
	Z SL	RM	01 35 40.-	18.0	3.75					
FUR	+E Z SL	P	00 57 24.-	1.8	1.60	4	9630	86.6	280.9	41.8
	+I Z SL	AP	00 57 36.-	1.5	1.49	8				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	XP	00 57 40.-	1.5	1.62	2				
	Z SL	OM	01 34 00.-	19.0	4.83					
BRN	+E Z ET	P	00 57 28.-			2	9670	87.0	282.1	37.4
	+E N ET	S	01 08 05.-	4.5		2				

AUG 04
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST SUPPOSED.

BNS	E Z FS	-	03 24 22.-							
	E Z FS	-	03 24 36.-							

AUG 04 ERL
H= 04 09 47.8
LAT = 38.8 N
LONG= 20.2 E
DEPTH= 39 KM
MAGNITUDE= 4.1
GREECE

AUG 04 BCS
H= 04 09 49.0
LAT = 38.6 N
LONG= 20.2 E
GREECE

GRF	E Z BE	P	04 12 50.6			1	1400	12.6	146.2	332.4

AUG 04 ERL
H= 06 07 08.5
LAT = 42.8 N
LONG= 145.5 E
DEPTH= 53 KM
MAGNITUDE= 4.9
HOKKAIDO, JAPAN REGION

GRF	+E Z BE	P	06 19 11.8	0.9	1.43	3	8840	79.5	32.4	331.8

AUG 04 ERL
H= 07 28 00.1
LAT = 7.0 N
LONG= 91.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
NICOBAR ISLANDS REGION

GRF	E Z BE	P	07 40 06.8			2	8700	78.2	93.1	319.2

AUG 04
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	10 44 16.2			1				
	E N BE	S	10 45 28.6			1				

AUG 04 ERL
H= 11 22 23.3
LAT = 27.9 S
LONG= 68.9 W
DEPTH= 95 KM
MAGNITUDE= 5.4
CHILE-ARGENTINA BORDER REGION

FUR	-E Z SL	XP	11 36 55.-	1.9	1.83	3	11580	104.2	244.0	42.9
	-E Z SL	PP	11 40 41.-	1.5	1.28	2				
	-E Z SL	APP	11 41 08.-	1.8	1.70	5				
	-I Z SL	XPP	11 41 20.-	1.9	2.19	2				
GRF	E Z BE	P	11 36 56.6			2	11650	104.8	244.4	41.4

AUG 04 ERL
H= 19 50 35.9
LAT = 13.7 S
LONG= 66.2 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
MID-INDIAN RISE

FUR	-I Z SL	P	20 02 39.-	1.8	1.90	3	8730	78.5	125.8	326.0
	+E Z SL	PCP	20 02 44.-	1.8	1.70	2				
	-I Z SL	XP	20 02 49.-	1.8	1.78	1				
	+I Z SL	-	20 03 06.-	2.0	2.05	2				
GRF	E Z BE	P	20 02 42.6			2	8840	79.5	126.0	327.3

AUG 04 ERL
H= 21 51 25.0
LAT = 2.0 N
LONG= 126.7 E
DEPTH= 40 KM
MAGNITUDE= 5.6
MOLUCCA PASSAGE

GRF	E Z BE	PKP	22 09 52.6			1	11640	104.7	68.8	322.7
FUR	Z SL	RM	22 53 00.-	30.0	3.07		11700	105.2	69.2	321.2

AUG 04
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	22 09 07.-	2.0	1.80	2				
	+E Z SL	-	22 09 13.-	2.0	1.88	3				
	Z SL	MAXIMUM	22 09 56.-	2.0	2.05					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 05 ERL H= 09 44 52.3 LAT = 31.1 N LONG= 50.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 IRAN										
AUG 05 BCS H= 09 45 06.0 LAT = 31.5 N LONG= 50.5 E IRAN										
GRF	E Z BE	P	09 51 38.8			1	3830	34.4	108.1	314.0
AUG 05 ERL H= 15 47 32.9 LAT = 16.2 S LONG= 173.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 6.1 TONGA ISLANDS										
BNS	+I Z FS	PKP	16 07 08.9	1.5	3.21		16160	145.4	0.5	359.7
	+I Z FS	-	16 07 14.7							
	E Z FS	-	16 10 24.-							
HOF	-I Z SL	PKP1	16 07 09.-	3.0	2.98	2	16210	145.8	8.5	354.3
	-I Z SL	PKP2	16 07 14.-	3.0	2.78	2				
	-I Z SL	-	16 07 16.-	2.0	3.67	9				
	+I Z SL	XPKP	16 07 27.-	2.0	3.50	4				
	-I Z SL	PP	16 10 34.-	3.0	2.96	2				
	+E Z SL	XPP	16 10 45.-	3.0	2.78	2				
TNS	E Z SL	PKP	16 07 10.0			9	16240	146.1	2.7	358.2
GRF	E Z BE	PKP	16 07 10.9			3	16280	146.4	7.5	354.9
	E Z BE	SKKS	16 17 27.1			1				
STU	+E Z BE	PKP	16 07 13.0	1.5	2.15	2	16400	147.5	4.1	357.2
	+E Z BE	-	16 07 15.7	1.4	3.14	3				
BUH	E Z GT	PKP	16 07 12.8				16420	147.6	2.4	358.3
FUR	+I Z SL	PKP1	16 07 15.-	2.0	2.42	4	16450	148.0	8.0	354.5
	+I Z SL	PKHKP	16 07 18.-	1.8	3.04	9				
	-I Z SL	APKP	16 07 30.-	1.5	2.21	3				
	+I Z SL	PP	16 10 48.-	1.8	2.43	9				
	+I Z SL	APP	16 10 53.-	2.0	2.40	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 06 BCS H= 01 11 11.0 LAT = 39.6 N LONG= 20.6 E GREECE-ALBANIA BORDER REGION										
AUG 06 ERL H= 01 11 13.6 LAT = 39.9 N LONG= 20.6 E DEPTH= 63 KM MAGNITUDE= 4.1 GREECE-ALBANIA BORDER REGION										
FUR	+E Z SL	PPP	01 14 09.-	1.8	1.70	3	1210	10.9	138.5	324.3
	+I Z SL	XPP	01 14 14.-	1.5	1.36	2				
	+E Z SL	-	01 14 21.-	1.5	1.28	5				
	+E Z SL	-	01 14 30.-	1.8	1.78	6				
	-E Z SL	S	01 15 49.-	2.4	2.13	7				
	+E Z SL	SSS	01 16 23.-	2.0	2.05	2				
	Z SL	OM	01 17 50.-	4.5	2.95					
GRF	E Z BE	P	01 14 06.8			1	1340	12.1	143.0	329.6
BUH	E Z GT	P	01 14 11.1				1410	12.7	131.1	319.7
AUG 06 ERL H= 01 17 55.1 LAT = 36.4 N LONG= 70.1 E DEPTH=222 KM MAGNITUDE= 5.4 HINDU KUSH REGION										
GRF	E Z BE	P	01 25 42.5	1.4	1.98	2	4890	43.9	84.4	306.7
	E Z BE	XP	01 26 32.2			2				
	E Z BE	PP	01 27 23.2			2				
	E Z BE	PCP	01 27 28.8			2				
	E Z BE	-	01 27 39.6			2				
	E Z BE	PPP	01 28 11.3			1				
	E Z BE	PCS	01 30 53.3			1				
FUR	-I Z SL	P	01 25 44.-	1.9	2.19	9	4300	44.1	82.9	304.5
	+I Z SL	PP	01 27 32.-	1.5	1.53	3				
BUH	E Z GT	P	01 25 58.2				5120	46.0	81.4	305.6
AUG 06 EPL H= 05 31 45.0 LAT = 31.1 N LONG= 49.9 E DEPTH= 48 KM MAGNITUDE= 4.5 WESTERN IRAN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	05 38 29.5			1	3820	34.3	108.2	314.0

AUG 06
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I Z SL	-	11 10 29.-	1.3	1.84	2				
	Z SL	MAXIMUM	11 11 03.-	1.8	2.36					

AUG 06 ERL
H= 23 11 59.8
LAT = 44.3 N
LONG= 147.8 E
DEPTH= 89 KM
MAGNITUDE= 5.3
KURIL ISLANDS

GRF	+I Z BE	P	23 23 56.2	0.7	1.71	6	8780	79.0	30.2	332.9
	E Z BE	AP	23 24 22.1			2				
BNS	E Z FS	P	23 23 55.5	1.0	1.48		8800	79.1	27.6	335.9
FUR	+I Z SL	P	23 24 03.-	1.3	1.93	9	8930	80.3	30.1	332.1
BUH	E Z GT	P	23 24 05.6				8990	80.8	28.1	334.2

AUG 07
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	01 30 07.1			2				

AUG 07 ERL
H= 03 41 25.6
LAT = 26.8 S
LONG= 70.9 W
DEPTH= 25 KM
MAGNITUDE= 5.6
NEAR COAST OF NORTHERN CHILE

BUH	E Z GT	PKP	03 59 45.0				11440	102.9	244.2	41.9
BNS	E Z SL	P	03 55 24.-				11490	103.3	244.0	39.5
	E Z SL	PP	03 59 10.-							
	E Z SL	PS	04 09 38.-							
	E Z SL	LR	04 30 00.-							
	Z SL	-	04 46 00.-	17.0						
FUR	+E Z SL	P	03 55 31.-	1.5	1.36	6	11630	104.6	246.2	43.2
	+I Z SL	PKP1	03 59 48.-	1.8	2.18	9				
	+I Z SL	PP	03 59 55.-	1.8	2.18	3				
	-I Z SL	APP	04 00 04.-	2.0	2.27	2				
	-I Z SL	-	04 00 21.-	1.8	2.04	2				
	-E Z SL	PPP	04 02 06.-	2.2	2.19	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	Z SL	OM	04 42 00.-	20.0	3.88					
GRF	E Z BE	-	03 58 45.-			1	11690	105.1	246.5	41.8
HOF	Z SL	OM	04 43 30.-	17.0	4.27		11760	105.8	247.1	41.4

AUG 07 ERL
H= 06 39 00.8
LAT = 54.4 S
LONG= 136.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
SOUTH PACIFIC CORDILLERA

BUH	E Z GT	PKP	06 58 54.3				17520	157.5	242.0	90.1
FUR	Z SL	RM	08 02 00.-	23.0	3.48		17630	159.1	240.7	93.3
GRF	E Z BE	PKP	06 58 57.2			1	17760	159.7	244.3	90.0
HOF	Z SL	RM	08 11 40.-	18.0	4.15		17830	160.4	245.9	88.9

AUG 07 ERL
H= 10 04 26.5
LAT = 26.7 S
LONG= 70.9 W
DEPTH= 34 KM
MAGNITUDE= 5.7
NEAR COAST OF NORTHERN CHILE

BUH	E Z GT	PKP	10 22 35.1				11440	102.9	244.3	41.9
FUR	-I Z SL	PKP1	10 22 49.-	1.5	1.62	9	11620	104.5	246.2	43.2
	+I Z SL	PP	10 22 55.-	1.8	1.90	3				
	-E Z SL	APP	10 23 04.-	2.0	1.80	3				
	Z SL	OM	11 05 00.-	20.0	3.52					
HOF	Z SL	OM	11 05 30.-	18.0	4.02		11760	105.7	247.2	41.4

AUG 07
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	14 20 36.6							

AUG 07 ERL
H= 14 22 45.4
LAT = 26.8 S
LONG= 70.9 W
DEPTH= 14 KM
MAGNITUDE= 5.9
NEAR COAST OF NORTHERN CHILE

BNS	+E Z SL	P	14 36 46.-				11490	103.4	244.0	39.5
	E Z SL	-	14 40 57.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	-	14 51 04.-							
	E Z SL	LR	15 12 16.-	40.0						
	Z SL	-	15 19 20.-	22.0						
FUR	+I Z SL	PKP1	14 41 08.-	2.6	2.82	9	11630	104.6	246.2	43.3
	+I Z SL	PP	14 41 16.-	1.5	1.83	4				
	+I Z SL	APP	14 41 24.-	2.2	2.30	3				
	+I Z SL	-	14 42 10.-	2.0	2.30	2				
	Z SL	QM	15 23 00.-	20.0	4.02					
GRF	E Z BE	P	14 36 56.0			2	11700	105.2	246.5	41.8
	E Z BE	PKP	14 41 06.8			1				
HOF	-E Z SL	PP	14 41 16.-	3.0	2.95	3	11770	105.8	247.1	41.4
	Z SL	QM	15 26 10.-	17.0	4.60					

AUG 07 ERL
H= 20 33 30.0
LAT = 52.5 N
LONG= 32.4 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
NORTH ATLANTIC OCEAN

AUG 07 BCS
H= 20 33 31.0
LAT = 52.7 N
LONG= 32.0 W
NORTH ATLANTIC OCEAN

BUH	E Z GT	P	20 38 59.4				2870	25.8	293.9	82.1
GRF	E Z BE	P	20 39 13.0			1	3030	27.2	292.8	78.3
FUR	-E Z SL	P	20 39 18.-	1.5	1.08	3	3100	27.9	295.4	81.2
	+I Z SL	AP	20 39 26.-	1.8	1.85	1				
	+I Z SL	PPP	20 40 18.-	1.5	1.36	6				

AUG 08 ERL
H= 04 37 12.9
LAT = 58.3 S
LONG= 25.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
SOUTH SANDWICH ISLANDS REGION

FUR	N SL	QM	05 37 00.-	22.0	3.32		12260	110.3	199.4	25.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

AUG 08 ERL
H= 08 23 47.6
LAT = 41.7 N
LONG= 19.4 E
DEPTH= 27 KM
MAGNITUDE= 4.6
ALBANIA

AUG 08 BCS
H= 08 23 48.0
LAT = 41.7 N
LONG= 19.5 E
ALBANIA

BCIS= FELT VI AT SHENGJIN AND LEZHE, V AT LAC, REHSEN AND ULZE, IV AT DURRES (TIR).

FUR	+I Z SL	PN	08 25 52.-	1.5	1.66	9	960	8.6	135.2	320.9
	+E Z SL	PB	08 26 10.-	1.5	1.53	2				
	-E Z SL	SN	08 27 29.-	1.7	1.86	2				
	-I Z SL	SG	08 28 17.-	1.7	2.09	3				
	Z SL	MAXIMUM	08 29 20.-	1.8	2.88					
GRF	E Z BE	P	08 26 08.7			1	1090	9.8	141.2	327.1
	E Z BE	-	08 26 16.4			2				
	E N BE	S	08 28 38.5			1				
HOF	-E Z SL	XPP	08 26 35.-	4.0	2.54	1	1110	10.0	145.8	331.2
	+E Z SL	-	08 26 48.-	3.0	2.48	2				
	-E Z SL	SS	08 28 34.-	4.0	2.69	1				
	-E Z SL	SSS	08 28 45.-	3.0	2.78	1				
	Z SL	QM	08 29 47.-	2.0	2.98					
BUH	E Z GT	P	08 26 19.2				1170	10.5	127.2	315.1
BNS	E E X	SN	08 29 13.-				1390	12.5	132.9	321.7
	E Z FS	SG	08 30 34.-							
	Z SL	-	08 32 10.-	10.0						

AUG 08
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST. FORESHOCK TO THE FOLLOWING. FELT AT HAMM.
H= 09 54 41, MLOC= 2.2 (BNS).

BNS	-I Z FS	PG	09 54 57.0		
	E E X	SG	09 55 10.1	0.4	1.85
	I Z FS	-	09 55 10.3		
	E Z FS		09 55 13.5	1.4	2.00
	E E X	-	09 55 19.8	1.4	2.15

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 08 BCS H= 10 55 51.0 LAT = 51.7 N LONG= 7.8 E DEPTH= 1 KM (GEOPHYSICIST) GERMANY										
BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. 9 MINERS KILLED IN THE COAL MINE #SACHSEN# AT 1000 M DEPTH. FELT STRONGLY AT HEESSEN AND HAMM. H= 10 55 51, 51 DEG. 43 MIN. N, 7 DEG. 50 MIN. E, DEPTH= 1 KM, MLOC= 2.8, MLGH= 2.2.										
BOC	-E Z B4	PN	10 55 58.8	0.4	2.50	2	50	0.4	59.2	239.7
	E B4	MAXIMUM	10 56 29.0	1.5	5.65					
BNS	-I Z FS	PG	10 56 07.1				100	0.9	28.4	208.9
	-I Z FS	-	10 56 08.1							
	+I E X	SG	10 56 20.9	0.9	2.45					
	I Z FS		10 56 30.-	1.5	2.70					
	E E X	-	10 56 30.0	1.3	2.78					
TNS	-E Z B	PN	10 56 17.6				170	1.5	345.6	165.2
AUG 08 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	13 40 54.7							
AUG 08 BCS H= 14 36 10.0 LAT = 40.7 N LONG= 15.4 E SOUTHERN ITALY										
AUG 08 GS H= 14 36 11.0 LAT = 40.8 N LONG= 15.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 SOUTHERN ITALY										
BCIS= FELT WITH MAXIMUM INTENSITY VII.										
FUR	+I Z SL	-	14 38 21.-	1.6	1.78	9	890	8.0	156.9	339.8
	+I Z SL	PB	14 38 30.-	1.3	1.59	2				
	+I Z SL	PG	14 39 10.-	1.3	2.19	2				
	-I Z SL	SN	14 39 38.-	1.5	2.10	3				
	+I Z SL	SB	14 40 10.-	1.8	1.48	8				
	-I Z SL	SG	14 40 38.-	1.5	2.06	2				
	Z SL	MAXIMUM	14 41 40.-	1.8	2.93					
GRF	E Z BE	P	14 38 31.9			1	1050	9.5	160.3	343.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E N BE	S	14 40 07.4			2				
BUH	E Z GT	P	14 38 27.7				1050	9.5	144.7	329.8
HOF	Z SL	RM	14 42 55.-	6.0	3.72		1100	9.9	164.3	346.8
BNS	E Z FS	PN	14 40 09.5				1310	11.7	147.7	333.6
	E Z FS	-	14 41 05.5							
	E Z FS	SG	14 42 50.-							
	E Z SL	LR	14 43 58.-							
	Z SL	-	14 44 10.-	16.0						
BRN	+E Z ET	-	14 42 49.-	3.2		2	1310	11.8	171.8	353.4
	+I Z ET	-	14 43 22.7	3.8	3.48	3				
AUG 08 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 54 01.6							
AUG 09 GS H= 02 13 25.8 LAT = 40.3 N LONG= 124.2 W DEPTH= 2 KM MAGNITUDE= 5.1 NEAR COAST OF NORTHERN CALIF.										
NOS= MINOR DAMAGE (VI) IN FERNDALE-SCOTIA AREA. FELT FROM FORT BRAGG TO EUREKA. MAG. 4.7 ML (BRK).										
GRF	E Z BE	P	02 30 45.5			2	9140	82.2	327.2	27.4
AUG 09 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	08 00 47.9			1				
	E Z BE	PG	08 00 50.5			2				
	E N BE	SG	08 01 18.6			2				
AUG 09 ERL H= 09 38 59.2 LAT = 6.1 S LONG= 154.5 E DEPTH=404 KM MAGNITUDE= 5.4 SOLOMON ISLANDS										
GRF	E Z BE	PKP	09 57 15.9			2	14030	126.7	47.9	331.0
FUR	+I Z SL	PKP1	09 57 20.-	1.5	1.76	9	14200	127.7	48.8	329.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
AUG 09 ERL H= 10 44 26.5 LAT = 43.4 N LONG= 146.4 E DEPTH= 55 KM MAGNITUDE= 6.0 KURIL ISLANDS									
BRN	-E Z ET	P	10 56 12.-	2.0		2	8490	76.3	33.1 332.7
	-E Z ET	AP	10 56 28.5	2.2					
HOF	+I Z SL	P	10 56 22.-	2.0	2.80	9	8740	78.6	32.0 332.2
	-I Z SL	-	10 56 25.-	2.0	3.36	4			
	+I Z SL	PCP	10 56 28.-	1.5	2.75	2			
	-I Z SL	AP	10 56 32.-	1.5	2.52	2			
	+I Z SL	APCP	10 56 36.-	1.5	3.07	4			
	Z SL	PM	11 37 00.-	16.0	4.13				
GRF	+I Z BE	P	10 56 28.0			9	8820	79.3	31.5 332.3
BNS	+I Z FS	P	10 56 28.5	1.0	2.51		8840	79.5	28.9 335.2
	I Z FS	-	10 56 41.3						
	E Z FS	-	11 01 16.-						
FUP	+I Z SL	P	10 56 36.-	1.8	2.93	9	8960	80.6	31.4 331.4
	+I Z SL	PCP	10 56 42.-	1.8	2.93	5			
	-I Z SL	AP	10 56 45.-	1.0	2.46	5			
	-I Z SL	APCP	10 56 48.-	1.8	2.00	5			
	+I Z SL	PP	10 59 38.-	1.5	2.02	4			
	+I Z SL	APP	10 59 52.-	1.4	1.75	3			
	-I Z SL	XPP	10 59 56.-	2.0	2.21	3			
	+I Z SL	PPP	11 01 38.-	1.8	2.00	3			
	+E Z SL	-	11 03 16.-	2.0	2.05	9			
	Z SL	RM	11 37 10.-	16.0	3.65				
STU	E Z BE	P	10 56 35.5	1.0	2.69	2	8980	80.8	30.1 332.9
BUH	-E Z GT	P	10 56 37.2				9030	81.2	29.4 333.4
AUG 09 ERL H= 10 54 44.4 LAT = 43.4 N LONG= 146.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 KURIL ISLANDS									
GRF	+I Z BE	P	11 06 49.5			3	8820	79.3	31.6 332.2
	I Z BE	-	11 06 53.9			2			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
AUG 09 ERL H= 13 06 36.6 LAT = 56.3 S LONG= 147.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 WEST OF MACQUARIE ISLAND									
FUP	+I Z SL	PKP1	13 26 30.-	1.9	2.00	2	16940	152.3	123.6 271.7
	-I Z SL	PKHKP	13 26 36.-	1.9	2.43	5			
	+I Z SL	APKP	13 26 42.-	1.8	2.15	3			
	+I Z SL	PKP2	13 26 47.-	1.5	2.06	3			
	-I Z SL	-	13 26 54.-	1.8	2.43	5			
	+I Z SL	PP	13 30 22.-	1.9	2.05	3			
HOF	+I Z SL	PKP1	13 26 24.-	3.0	2.78	2	17030	153.1	120.1 276.1
	+I Z SL	PKP2	13 26 43.-	2.0	2.80	3			
	-I Z SL	-	13 26 52.-	1.5	2.70	9			
	+I Z SL	APKP	13 26 55.-	2.0	2.80	9			
GRF	E Z BE	PKP	13 26 29.1			1	17040	153.2	121.1 274.5
	E Z BE	-	13 26 36.3			2			
BUH	E Z GT	PKP	13 26 39.0				17160	154.3	122.7 270.2
AUG 09 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.									
BNS	E Z FS	PG	15 29 11.5						
	E Z FS	-	15 29 21.0	1.5	2.20				
AUG 09 ERL H= 19 33 29.8 LAT = 19.0 S LONG= 168.6 E DEPTH= 45 KM MAGNITUDE= 5.0 NEW HEBRIDES ISLANDS									
GRF	-I Z BE	PKP	19 53 01.8	0.9	1.73	3	16060	144.4	38.7 334.6
FUR	+I Z SL	PKP1	19 53 06.-	1.5	1.70	9	16190	145.6	40.1 332.9
	-I Z SL	PKP2	19 53 11.-	1.5	1.59	1			
	+E Z SL	APKP	19 53 18.-	1.5	1.43	2			
BUH	E Z GT	PKP	19 53 07.4				16280	146.4	35.0 336.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 09 ERL H= 22 22 13.5 LAT = 33.8 N LONG= 141.7 E DEPTH= 31 KM MAGNITUDE= 4.6 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	22 34 52.8			2	9560	86.0	39.4	330.3
AUG 10 ERL H= 00 08 05.8 LAT = 34.0 N LONG= 141.4 E DEPTH= 55 KM MAGNITUDE= 5.0 OFF EAST COAST OF HONSHU, JAPAN										
HOF	Z SL	RM	01 18 30.-	13.0	3.94		9440	84.9	40.0	330.3
GRF	E Z BE	P	00 20 39.4			1	9530	85.7	39.5	330.2
FUR	-I Z SL	P	00 20 47.-	1.5	1.36	3	9650	86.8	39.5	329.2
	+I Z SL	AP	00 20 54.-	1.8	1.90	8				
	-I Z SL	APCP	00 21 04.-	1.3	1.53	5				
	-I Z SL	-	00 21 09.-	1.5	1.43	8				
	+I Z SL	-	00 21 16.-	1.5	1.59	5				
	Z SL	RM	01 05 30.-	15.0	3.75					
BUH	E Z GT	P	00 20 49.4				9750	87.7	37.3	331.1
AUG 10 NO DETERMINATION OF EPICENTER FUR= LOCAL.										
FUR	-I Z SL	-	09 23 30.-	2.0	1.94	4				
	Z SL	MAXIMUM	09 24 18.-	1.8	1.73					
AUG 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	10 35 42.9							
AUG 10 ERL H= 14 27 06.8 LAT = 19.2 S LONG= 173.0 W DEPTH= 7 KM MAGNITUDE= 5.3 TONGA ISLANDS										
GRF	E Z BE	PKP	14 46 58.8			2	16610	149.3	7.8	354.6
	E Z BE	-	14 47 03.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PKP	14 47 01.2				16740	150.5	2.3	358.4
FUR	-E Z SL	PKP1	14 46 56.-	2.0	1.80	5	16770	150.9	8.3	354.1
	+I Z SL	-	14 47 03.-	1.3	1.93	9				
	+I Z SL	PKP2	14 47 09.-	1.5	1.63	9				
	+I Z SL	-	14 47 20.-	1.5	1.43	1				
AUG 10 ERL H= 14 43 41.6 LAT = 19.2 S LONG= 173.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 TONGA ISLANDS										
GRF	E Z BE	PKP	15 03 29.7			2	16610	149.4	7.8	354.7
FUR	-I Z SL	PKP1	15 03 33.-	1.5	1.53	3	16780	150.9	8.2	354.2
	+I Z SL	PKHKP	15 03 41.-	1.5	1.62	9				
	+I Z SL	PKP2	15 03 51.-	1.5	1.43	7				
AUG 10 ERL H= 15 44 51.8 LAT = 43.4 N LONG= 146.5 E DEPTH= 59 KM MAGNITUDE= 4.8 KURIL ISLANDS										
GRF	E Z BE	P	15 56 53.6			3	8830	79.4	31.5	332.3
FUR	-I Z SL	AP	15 57 12.-	1.7	1.86	2	8970	80.7	31.4	331.4
AUG 10 GS H= 18 55 20.3 LAT = 19.2 S LONG= 173.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 TONGA ISLANDS										
GRF	E Z BE	PKP	19 15 07.3			2	16610	149.3	8.2	354.4
FUR	+E Z SL	PKP1	19 15 12.-	1.0	1.88	2	16770	150.9	8.7	353.9
	+E Z SL	-	19 16 03.-	1.8	1.73	2				
AUG 11 ERL H= 03 46 12.3 LAT = 17.8 S LONG= 177.0 W DEPTH=399 KM MAGNITUDE= 5.4 FIJI ISLANDS REGION										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	+E Z BE	PKP	04 05 12.2	0.7	1.32	2	16400	147.5	14.7	350.0
	E Z BE	APKP	04 06 44.4			2				
BUH	E Z GT	PKP	04 05 15.2				16560	148.9	9.7	353.3
	E Z GT	PKP	04 06 50.9							
FUR	-I Z SL	PKP1	04 05 16.-	1.5	1.59	9	16570	149.0	15.4	349.2
	+I Z SL	PKHKP	04 05 22.-	1.8	1.85	1				
	+I Z SL	APKP	04 06 52.-	1.5	1.43	1				
	-I Z SL	XPKP	04 07 42.-	2.0	2.05	9				

AUG 11 GS
H= 07 15 39.7
LAT = 33.0 N
LONG= 104.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
KANSU PROVINCE, CHINA

BRN	+E Z ET	P	07 26 21.-	2.5		2	7240	65.1	67.9	317.5
HOF	-I Z SL	P	07 26 30.-	2.0	3.10	8	7420	66.7	66.1	315.8
	-E Z SL	AP	07 26 39.-	1.5	2.22	1				
	Z SL	RM	07 57 30.-	9.0	4.30					
GRF	E Z BE	P	07 26 33.0			2	7490	67.3	65.5	315.3
	-I Z BE	-	07 26 37.9			6				
FUR	+I Z SL	P	07 26 38.-	1.8	2.74	9	7550	67.9	64.9	313.8
	+I Z SL	AP	07 26 47.-	1.5	2.06	2				
	+I Z SL	XPCP	07 27 18.-	2.0	2.21	3				
	+I Z SL	PP	07 29 10.-	1.8	2.26	3				
	Z SL	QM	07 53 30.-	19.0	3.96					
TNS	Z SL	P	07 26 44.-			2	7640	68.7	63.9	316.7
BUH	E Z GT	P	07 26 47.0				7730	69.5	63.2	315.3

AUG 11
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	09 00 35.0							

AUG 11 GS
H= 13 04 35.7
LAT = 3.5 S
LONG= 135.6 E
DEPTH= 9 KM
MAGNITUDE= 5.4
WEST NEW GUINEA REGION

GRF	E Z BE	PP	13 24 17.1			1	12710	114.3	64.7	324.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

AUG 11
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	13 49 26.0			2				

AUG 11 GS
H= 14 04 27.0
LAT = 42.8 N
LONG= 145.4 E
DEPTH= 55 KM
MAGNITUDE= 4.4
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	14 16 29.3			1	8840	79.5	32.5	331.7
	E Z BE	AP	14 16 47.9			2				

AUG 11
NO DETERMINATION OF EPICENTER

BNS= H= 16 42 49, LOCAL SHOCK OR EXPLOSION SUPPOSED. MLOC= 2.3.

BNS	E Z FS	PG	16 42 58.3							
	E N X	SG	16 43 05.0	0.7	2.20					
	I E X	-	16 43 05.1	0.8	2.11					
BUH	E Z GT	PN	16 43 19.8							

AUG 11 GS
H= 18 01 59.7
LAT = 28.9 S
LONG= 13.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
SOUTH ATLANTIC RIDGE

FUR	-E Z SL	P	18 14 05.-	1.8	1.70	2	8870	79.8	201.6	16.3
	+E Z SL	PCP	18 14 09.-	1.8	1.70	2				
	-E Z SL	XP	18 14 15.-	1.5	1.36	6				
GRF	E Z BE	P	18 14 12.4			2	9030	81.2	201.5	15.7
	E Z BE	-	18 14 16.8			2				
	E Z BE	AP	18 14 22.4			2				

AUG 11
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	23 55 19.2			1				

AUG 12
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	10 09 24.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
AUG 12 GS H= 10 16 45.9 LAT = 15.7 N LONG= 94.6 W DEPTH= 55 KM (GEOPHYSICIST) MAGNITUDE= 4.8 NEAR COAST OF OAXACA, MEXICO										
BNS	+E Z FS	P	10 29 17.0	1.3	1.60		9470	85.2	288.9	38.4
	E Z FS	-	10 29 31.5							
GRF	E Z BE	P	10 29 33.6			2	9790	88.0	292.0	38.7
AUG 12 BCS H= 15 36 51.0 LAT = 72.6 N LONG= 0.8 E NORWEGIAN SEA										
AUG 12 GS H= 15 36 55.7 LAT = 72.4 N LONG= 1.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 NORWEGIAN SEA										
BNS	+E Z FS	P	15 41 47.5	2.0	1.70		2430	21.9	354.9	169.1
GRF	E Z BE	P	15 42 00.8			2	2610	23.5	352.1	162.8
FUR	-E Z SL	-	15 42 17.-	1.5	1.28	3	2780	25.0	352.6	163.2
	+E Z SL	AP	15 42 22.-	1.9	1.83	1				
	+E Z SL	-	15 42 30.-	1.8	1.78	3				
	+E Z SL	PP	15 42 49.-	2.0	1.94	7				
	+E Z SL	-	15 43 09.-	1.5	1.28	3				
AUG 13 GS H= 02 00 20.4 LAT = 23.3 N LONG= 68.4 E DEPTH= 7 KM MAGNITUDE= 4.7 WEST PAKISTAN										
GRF	E Z BE	P	02 08 53.2			2	5220	46.9	92.7	311.6
AUG 13 GS H= 08 28 19.7 LAT = 4.5 S LONG= 144.0 E DEPTH=112 KM MAGNITUDE= 6.0 NEAR NORTH COAST OF NEW GUINEA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HLG	Z SL	PP	08 48 22.-			3	13240	119.0	52.2	332.2
HOF	+I Z SL	PKP1	08 46 59.-	2.0	2.62	3	13260	119.2	57.9	327.0
	-E Z SL	APKP	08 47 27.-	2.0	2.58	9				
	-E Z SL	PP	08 48 21.-	5.0	3.54	4				
	-I Z SL	APP	08 48 45.-	2.0	2.88	9				
	-E Z SL	XPP	08 49 01.-	4.0	3.24	3				
	-E Z SL	PPP	08 50 54.-	8.0	3.53	4				
	-I Z SL	-	08 51 19.-	5.0	3.40	5				
	-E Z SL	-	08 51 27.-	7.0	3.55	8				
	Z SL	RM	09 41 50.-	18.0	4.24					
GRF	+E Z BE	PKP	08 46 58.4	0.7	1.36	4	13340	119.9	57.5	326.7
	+E Z BE	PKP	08 47 28.6			2				
	E Z BE	SP	08 57 09.3	0.9	1.50	2				
	E Z BE	-	08 57 38.8			2				
FUR	-E Z SL	P	08 43 29.-	2.0	1.88	2	13420	120.7	58.4	325.1
	+E Z SL	PKP1	08 47 01.-	2.0	1.94	1				
	-I Z SL	APKP	08 47 30.-	1.5	1.76	3				
	+I Z SL	PP	08 48 32.-	1.3	1.89	3				
	-I Z SL	APP	08 48 59.-	2.0	2.40	5				
	+I Z SL	XPP	08 49 14.-	2.2	2.49	1				
	+I Z SL	PKKP	08 58 37.-	1.3	1.93	4				
	Z SL	RM	09 40 50.-	21.0	3.85					
BNS	+E Z FS	PKP	08 47 00.9				13490	121.3	52.9	329.6
	E Z FS	-	08 47 31.5							
	E Z SL	PP	08 48 35.-							
	I Z FS	-	08 49 03.5							
	E Z SL	SP	08 58 20.-							
	E Z SL	-	08 59 43.-							
	E Z SL	LR	09 26 30.-							
	Z SL	-	09 28 00.-	52.0						
STU	+E Z BE	PKP	08 47 01.5	1.0	2.09	2	13520	121.6	56.0	326.6
AUG 13 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	19 45 11.5			2				
AUG 14 ERL H= 01 57 00.5 LAT = 26.6 S LONG= 70.8 W DEPTH= 29 KM MAGNITUDE= 5.7 NEAR COAST OF NORTHERN CHILE										
FUR	+I Z SL	P	02 15 20.-	1.5	1.54	9	11610	104.4	246.3	43.2
	Z SL	PM	03 04 00.-	17.0	3.21					
HOF	Z SL	PM	02 59 40.-	17.0	3.79		11740	105.6	247.2	41.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
AUG 14 BCS H= 02 30 44.0 LAT = 35.1 N LONG= 23.0 E CRETE										
GRF	E Z BE	P	02 34 38.9			2	1880	16.9	145.0	332.9
AUG 14 GS H= 04 19 20.2 LAT = 22.3 S LONG= 179.6 W DEPTH=592 KM MAGNITUDE= 5.2 SOUTH OF FIJI ISLANDS										
HOF	-I Z SL	PKHKP	04 38 07.-	1.5	2.52	9	16740	150.6	22.1	344.9
BNS	+I Z FS	PKP	04 38 07.8	0.9	1.60		16780	150.9	13.0	351.2
	E Z FS	-	04 40 24.-							
GRF	+E Z BE	PKP	04 38 09.0	0.8	1.39	3	16830	151.3	21.3	345.3
	E Z BE	-	04 38 20.3			3				
FUP	-E Z SL	PKP1	04 38 04.-	1.5	1.18	4	16980	152.7	22.5	344.0
	-E Z SL	PKHKP	04 38 12.-	1.5	1.18	4				
	-I Z SL	PKP2	04 38 26.-	1.5	1.59	3				
BUH	E Z GT	PKP	04 38 03.7				17000	152.9	16.1	348.5
AUG 14 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	05 00 47.4			2				
	E Z BE	-	05 00 58.2			2				
AUG 14 GS H= 15 03 02.9 LAT = 1.7 N LONG= 66.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 CARLSBERG RIDGE										
GRF	E Z BE	P	15 13 52.8			1	7460	67.1	116.5	324.4
AUG 14 NO DETERMINATION OF EPICENTER										
TNS= LOCAL.										
TNS	I E ST	PN	16 31 32.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	I E ST	SG	16 31 37.6			6				
AUG 14 BCS H= 17 43 00.0 LAT = 50.0 N LONG= 18.5 E POLAND										
GRF	E Z BE	P	17 44 24.3			1	520	4.7	33.5	269.0
	E N BE	S	17 45 27.3			1				
FUP	-E Z SL	PG	17 44 51.-	1.5	0.90	2	570	5.1	66.2	251.6
	Z SL	MAXIMUM	17 46 43.-	1.3	1.73					
AUG 14 ERL H= 18 24 20.2 LAT = 25.4 N LONG= 65.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 WEST PAKISTAN										
FUP	-I Z SL	P	18 32 57.-	1.8	1.73	2	5330	47.9	98.1	312.9
GRF	E Z BE	P	18 32 59.5			1	5360	48.2	99.5	314.9
BNS	E Z FS	P	18 33 20.9				5670	51.0	97.1	316.0
AUG 14 GS H= 18 43 02.2 LAT = 20.9 S LONG= 178.7 W DEPTH=617 KM MAGNITUDE= 3.9 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	19 01 55.3			1	16700	150.2	13.0	347.0
AUG 15 ERL H= 01 59 57.8 LAT = 42.7 N LONG= 67.4 E DEPTH= 0 KM (GEOPHYSICIST) MAGNITUDE= 5.3 CENTRAL KAZAKH SSR										
GRF	+E Z BE	P	02 07 26.3			3	4300	38.7	78.3	300.4
	E Z BE	PP	02 08 52.7			2				
FUP	-E Z SL	P	02 07 28.-	1.3	1.73	7	4340	39.0	76.5	298.0
	-I Z SL	PP	02 08 55.-	1.8	2.00	3				
	+I Z SL	PCP	02 09 31.-	1.3	1.59	1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	02 07 42.6				4540	40.9	75.4	299.5
BNS	I Z FS	P	02 07 45.0	1.5	1.30		4560	41.0	77.3	303.2
	E Z FS	PP	02 09 15.5							

AUG 15 GS
H= 04 35 42.9
LAT = 30.9 N
LONG= 50.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.1
IRAN

AUG 15 BCS
H= 04 35 46.0
LAT = 30.7 N
LONG= 51.0 E
IRAN

GRF	E Z BE	P	04 42 29.6			1	3840	34.5	108.3	314.1

AUG 15 GS
H= 09 00 54.0
LAT = 26.4 N
LONG= 95.5 E
DEPTH= 41 KM
MAGNITUDE= 4.7
BURMA-INDIA BORDER REGION

GRF	E Z BE	P	09 11 54.7			1	7420	66.7	76.2	315.3

AUG 15 GS
H= 09 25 03.7
LAT = 52.8 S
LONG= 118.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
EASTER ISLAND CORDILLERA

BUH	E Z GT	PKP	09 44 41.9				16290	146.5	242.3	75.1
FUR	-I Z SL	PKHKP	09 44 46.-	1.3	1.84	3	16470	148.1	242.4	77.7
GRF	E Z BE	PKP	09 44 48.3			3	16540	148.7	244.6	75.0

AUG 15 ERL
H= 15 09 08.8
LAT = 36.4 N
LONG= 70.8 E
DEPTH=200 KM
MAGNITUDE= 4.8
HINDU KUSH REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	15 17 01.9			1	4940	44.4	83.9	306.8

AUG 16
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	00 39 22.8			2				

AUG 16 ERL
H= 03 58 10.7
LAT = 23.1 N
LONG= 101.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
YUNNAN PROVINCE,CHINA

BRN	-E Z ET	P	04 09 26.5	3.5		2	7880	70.8	77.0	319.6
HOF	+E Z SL	P	04 09 33.-	2.0	2.32	5	8020	72.1	75.4	317.7
	+I Z SL	-	04 09 36.-	1.5	2.43	2				
	-E Z SL	PCP	04 09 55.-	1.5	2.22	5				
	-E Z SL	PPP	04 13 55.-	3.0	2.56	3				
	Z SL	RM	04 44 10.-	14.0	3.92					
GRF	E Z BE	P	04 09 37.7			2	8090	72.7	74.7	317.1
	+E Z BE	-	04 09 41.3	1.4	2.04	4				
FUR	+I Z SL	P	04 09 40.-	1.8	1.95	3	8130	73.1	74.3	315.6
	-I Z SL	-	04 09 42.-	1.7	2.27	9				
	+I Z SL	PCP	04 09 56.-	1.8	2.18	9				
	-I Z SL	APCP	04 10 09.-	1.5	1.59	2				
	-I Z SL	-	04 10 20.-	1.5	1.66	6				
	E SL	RM	04 40 00.-	18.0	3.76					
STU	+E Z BE	P	04 09 46.2	0.9	2.12	3	8260	74.2	73.0	316.6
BNS	-I Z FS	P	04 09 52.5	2.0	1.78		8320	74.8	72.2	319.2
BUH	E Z GT	P	04 09 48.2				8330	74.9	72.3	316.7

AUG 16 ERL
H= 06 05 28.2
LAT = 23.2 N
LONG= 100.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
YUNNAN PROVINCE,CHINA

GRF	E Z BE	P	06 16 52.3			1	8060	72.5	74.7	317.1
FUR	-E Z SL	P	06 16 57.-	1.5	1.18	1	8100	72.9	74.3	315.5
	-E Z SL	AP	06 17 05.-	1.5	1.18	4				
BUH	E Z GT	P	06 17 06.7				8300	74.7	72.4	316.6

AUG 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 16										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	08 00 53.0							
AUG 16	EPL									
H= 08 02 53.8										
LAT = 33.1 N										
LONG= 86.9 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.3										
TIBET										
BRN	+E Z ET	P	08 12 24.-	3.0		3	6110	55.0	79.7	314.1
HOF	+E Z SL	P	08 12 32.-	2.0	2.58	9	6250	56.2	77.4	311.8
	+E Z SL	-	08 12 37.-	2.0	2.53	3				
	Z SL	RM	08 39 00.-	14.0	3.62					
GRF	+I Z BE	P	08 12 28.5			2	6310	56.8	76.5	311.2
	E Z BE	P	08 12 36.5			2				
FUR	-I Z SL	P	08 12 39.-	2.0	2.40	9	6350	57.1	75.6	309.4
	+I Z SL	-	08 12 43.-	3.0	2.74	3				
	-I Z SL	AP	08 12 48.-	1.8	1.95	2				
	+I Z SL	-	08 13 10.-	1.5	1.59	3				
	+I Z SL	PCP	08 13 30.-	2.0	2.00	2				
	-E Z SL	PP	08 14 43.-	3.0	2.28	2				
	-E Z SL	PPP	08 16 07.-	2.5	2.05	1				
	Z SL	RM	08 40 30.-	20.0	3.22					
BUH	E Z GT	P	08 12 51.1				6550	58.9	74.0	310.6
BNS	-I Z FS	P	08 12 51.5	2.2	1.70		6560	59.0	74.6	313.4
AUG 16										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	09 47 02.1			1				
	E N BE	S	09 48 02.3			2				
AUG 16	ERL									
H= 10 55 19.5										
LAT = 10.1 N										
LONG= 57.5 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.3										
CARLSBERG RIDGE										
FUR	+E Z SL	P	11 04 43.-	1.7	1.86	9	6020	54.2	118.7	323.4
	-I Z SL	AP	11 04 50.-	1.5	1.59	2				
	+I Z SL	-	11 04 58.-	1.3	1.78	6				
GRF	E Z BE	P	11 04 43.3			1	6110	54.9	119.6	325.0

AUG 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 16	ERL									
H= 12 16 59.8										
LAT = 51.3 N										
LONG= 176.6 W										
DEPTH= 47 KM										
MAGNITUDE= 5.6										
ANDREANOF ISLANDS, ALEUTIAN IS.										
BRN	+E Z ET	P	12 28 46.-	5.0		4	8490	76.3	6.3	353.8
	-E N ET	S	12 38 32.-			2				
HOF	-E Z SL	P	12 28 57.-	3.0	2.48	5	8730	78.5	5.4	354.4
	-E Z SL	PCP	12 29 05.-	3.0	2.78	9				
	Z SL	RM	13 15 00.-	15.0	3.97					
GRF	+E Z BE	P	12 29 01.5	1.0	1.72	4	8800	79.2	5.0	354.8
BUH	E Z GT	P	12 29 06.8				8930	80.3	3.1	356.7
FUR	+I Z SL	P	12 29 09.-	1.5	1.49	4	8970	80.7	5.0	354.6
	-E Z SL	PCP	12 29 16.-	1.3	1.59	3				
	-I Z SL	-	12 29 28.-	1.8	1.90	1				
	Z SL	RM	13 14 30.-	17.0	3.51					
AUG 16	ERL									
H= 12 36 28.6										
LAT = 51.3 N										
LONG= 176.6 W										
DEPTH= 48 KM										
MAGNITUDE= 5.2										
ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	12 48 30.7			2	8800	79.2	5.0	354.8
AUG 16										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	12 38 36.1			1				
	E N BE	SG	12 39 05.4			2				
AUG 16										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
GRF	E Z BE	PG	13 15 34.6			1				
	E N BE	SG	13 16 06.3			2				
FUR	-E Z SL	-	13 16 50.-	1.5	1.43	2				
	Z SL	MAXIMUM	13 18 06.-	1.5	1.49					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 16 ERL										
H= 14 25 34.4										
LAT = 51.4 N										
LONG= 176.6 W										
DEPTH= 62 KM										
MAGNITUDE= 5.6										
ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+E Z BE	P	14 37 33.9			4	8790	79.0	5.0	354.8
BUH	E Z GT	P	14 37 39.0				8910	80.2	3.1	356.7
FUR	-I Z SL	P	14 37 42.-	2.0	2.00	2	8960	80.5	5.0	354.6
	+E Z SL	PCP	14 37 45.-	2.0	1.88	2				
	+E Z SL	XPCP	14 38 09.-	2.0	1.94	2				
AUG 16 ERL										
H= 14 55 35.4										
LAT = 21.7 S										
LONG= 179.9 W										
DEPTH=620 KM										
MAGNITUDE= 4.7										
FIJI ISLANDS REGION										
GRF	E Z BE	PKP	15 14 31.1			1	16760	150.7	21.4	345.2
AUG 16										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	15 42 18.1							
AUG 16										
NO DETERMINATION OF EPICENTER										
TNS= LOCAL.										
TNS	I Z ST	PN	17 28 54.5			3				
	I Z ST	SG	17 29 00.5			4				
AUG 16 BCS										
H= 22 11 16.0										
LAT = 46.0 N										
LONG= 15.7 E										
YUGOSLAVIA										
BCIS= FELT V AT ZABOK (46 DEG. 02 MIN. N, 15 DEG. 54 MIN. E) AND AT VELIKO TRGOVISCE (46 DEG. N, 15 DEG. 38 MIN. E) (LJU).										
FUR	+E Z SL	PB	22 12 24.-	1.0	1.58	2	410	3.7	124.0	307.2
	Z SL	MAXIMUM	22 13 50.-	2.0	1.80					
GRF	E Z BE	PN	22 12 25.8			1	530	4.8	139.1	322.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	PG	22 12 45.0			2				
	E N BE	SG	22 13 47.6			1				
AUG 16										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 15 07.8			2				
	E N BE	S	22 16 07.7			1				
AUG 17 ERL										
H= 00 53 11.4										
LAT = 46.4 N										
LONG= 152.7 E										
DEPTH= 52 KM										
MAGNITUDE= 4.8										
KURIL ISLANDS										
GRF	E Z BE	P	01 05 09.4	0.9	1.43	2	8740	78.6	26.1	335.6
BUH	E Z GT	P	01 05 18.6				8940	80.4	24.1	337.0
AUG 17 ERL										
H= 01 42 11.9										
LAT = 23.3 N										
LONG= 123.6 E										
DEPTH= 28 KM										
MAGNITUDE= 5.4										
SOUTHWESTERN RYUKYU ISLANDS										
HOF	+E Z SL	P	01 54 46.-	1.5	2.22	5	9470	85.2	59.0	323.3
	-E Z SL	AP	01 54 53.-	1.5	2.30	6				
	+E Z SL	PP	01 58 00.-	4.0	2.54	5				
	Z SL	RM	02 37 00.-	16.0	3.73					
GRF	E Z BE	P	01 54 49.9			2	9550	85.8	58.5	323.0
	E Z BE	-	01 55 05.9			2				
FUR	-I Z SL	P	01 54 55.-	1.8	1.95	2	9630	86.6	58.4	321.6
	+I Z SL	AP	01 55 03.-	2.0	2.24	3				
	+I Z SL	XP	01 55 07.-	1.5	1.54	3				
	+I Z SL	XPCP	01 55 13.-	1.3	2.03	2				
	E SL	OM	02 29 00.-	27.0	3.87					
BUH	E Z GT	P	01 55 00.7				9790	88.0	56.2	323.2
AUG 17										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	05 25 50.3			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 17 GS H= 15 42 41.7 LAT = 19.9 S LONG= 169.6 E DEPTH=276 KM MAGNITUDE= 4.5 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	16 01 49.2			2	16190	145.6	37.8	335.0
AUG 17 NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	15 49 15.-							
	E Z FS	SG	15 49 36.-	1.1	1.48					
GRF	E Z JM	PN	15 49 18.2			2				
	E Z JM	PG	15 49 19.3			3				
	E Z BE	-	15 49 22.5			2				
	E E BE	SG	15 49 42.8			1				
AUG 17 GS H= 18 48 16.8 LAT = 11.5 N LONG= 121.5 E DEPTH= 40 KM MAGNITUDE= 5.4 PANAY, PHILIPPINE ISLANDS										
GRF	E Z BE	P	19 01 32.5			2	10450	94.0	67.2	322.4
	E Z BE	PP	19 05 24.5			1				
AUG 18 ERL H= 02 08 32.0 LAT = 42.0 N LONG= 142.5 E DEPTH= 71 KM MAGNITUDE= 5.2 HOKKAIDO, JAPAN REGION										
GRF	+I Z BE	P	02 20 31.2	0.7	1.86	6	8800	79.2	34.8	330.2
	E Z BE	PP	02 23 32.3			2				
BNS	+I Z FS	P	02 20 32.3	1.0	1.48		8840	79.5	32.2	333.1
	E Z FS	-	02 20 52.-							
FUP	+I Z SL	P	02 20 37.-	1.5	1.49	8	8940	80.4	34.7	329.3
	+E Z SL	AP	02 20 50.-	1.5	1.18	2				
	-E Z SL	APCP	02 20 57.-	1.5	1.23	5				
STU	+E Z BE	P	02 20 38.5	1.0	2.00	2	8970	80.7	33.4	330.8
BUH	E Z GT	P	02 20 41.8				9020	81.1	32.7	331.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 18 ERL H= 06 14 50.9 LAT = 17.6 S LONG= 13.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 SOUTH ATLANTIC RIDGE										
GRF	E Z BE	P	06 26 04.6			2	7840	70.5	205.1	16.8
AUG 18 ERL H= 08 25 44.1 LAT = 11.5 N LONG= 121.4 E DEPTH= 14 KM MAGNITUDE= 5.9 PANAY, PHILIPPINE ISLANDS										
BRN	-E Z ET	P	08 38 52.5	5.5	2.70	3	10200	91.8	68.7	324.4
HOF	+E Z SL	P	08 38 58.-	7.0	3.63	9	10380	93.3	67.7	322.7
	+I Z SL	PP	08 42 45.-	7.0	3.46	9				
	+I Z SL	PPP	08 44 42.-	8.0	3.53	9				
	-E Z SL	PS	08 51 19.-	6.0	3.22	1				
	Z SL	RM	09 23 30.-	17.0	4.60					
GRF	E Z BE	P	08 39 03.0			2	10450	93.9	67.3	322.3
	E Z BE	PP	08 42 46.8			2				
HLG	Z SL	P	08 39 02.-			4	10450	94.0	64.3	327.3
FUP	+I Z SL	P	08 39 06.-	1.9	2.28	9	10510	94.5	67.4	320.9
	+I Z SL	AP	08 39 13.-	1.4	1.70	5				
	+I Z SL	-	08 39 40.-	1.6	1.81	4				
	-I Z SL	PP	08 43 56.-	2.3	2.40	2				
	-I Z SL	PPP	08 46 01.-	1.7	1.91	1				
	-E Z SL	-	08 47 39.-	3.8	2.56	2				
TNS	2E Z SL	P	08 39 09.-				10600	95.4	65.0	323.5
STU	+E Z BE	P	08 39 10.5	2.0	2.43	2	10620	95.5	65.7	322.0
BNS	-E Z FS	P	08 39 10.5	3.5	2.18		10650	95.8	64.0	324.6
	-I Z SL	-	08 39 11.-	10.0						
	I Z SL	PP	08 43 03.-							
	+I Z SL	SP	08 51 50.-							
	E Z SL	LR	09 11 00.-	70.0						
	Z SL	-	09 25 30.-	16.0						
BUH	E Z GT	P	08 39 12.6				10690	96.1	65.0	322.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 19 ERL H= 19 29 52.2 LAT = 21.6 N LONG= 142.9 E DEPTH=326 KM MAGNITUDE= 5.4 MARIANA ISLANDS REGION										
GRF	E Z BE	P	19 42 49.2			1	10800	97.1	44.5	330.7
	E Z BE	PP	19 46 48.6			1				
	E Z BE	-	19 46 50.6			1				
FUR	-E Z SL	P	19 42 45.-	1.5	1.28	5	10920	98.2	44.6	329.6
	-E Z SL	-	19 45 37.-	1.8	1.60	4				
	+I Z SL	PP	19 46 58.-	1.5	1.59	2				
AUG 19 ERL H= 22 17 49.4 LAT = 12.7 N LONG= 88.5 W DEPTH= 68 KM MAGNITUDE= 5.1 OFF COAST OF CENTRAL AMERICA										
GRF	E Z BE	P	22 30 45.0			1	9640	86.7	235.5	39.9
AUG 19 BCS H= 23 19 17.0 LAT = 75.0 N LONG= 7.7 E GREENLAND SEA										
AUG 19 GS H= 23 19 19.8 LAT = 75.1 N LONG= 9.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 GREENLAND SEA										
GRF	E Z BE	P	23 24 46.3	0.9	1.20	1	2830	25.4	357.9	174.7
BUH	E Z GT	P	23 24 55.2				2940	26.4	359.7	179.2
AUG 20 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	13 34 55.4			2				
AUG 20 NO DETERMINATION OF EPICENTER										
FUR	+E Z SL	-	14 26 36.-	1.0	1.88	4				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 20 ERL H= 15 18 28.3 LAT = 45.7 N LONG= 26.5 E DEPTH= 73 KM MAGNITUDE= 5.6 RUMANIA										
AUG 20 BCS H= 15 18 30.0 LAT = 45.7 N LONG= 26.6 E DEPTH= 75 KM RUMANIA										
NOS= FELT IN VRANCEA AREA.										
FUR	+I Z SL	P	15 21 02.-	1.2	1.23	9	1190	10.7	97.5	288.6
	-I Z SL	-	15 21 04.-	1.5	1.89	2				
	+I Z SL	-	15 21 10.-	1.3	2.25	2				
	+I Z SL	PP	15 21 18.-	1.5	1.93	3				
	+I Z SL	XP	15 21 26.-	1.5	2.19	3				
	+I Z SL	S	15 22 56.-	1.5	1.62	2				
	-I Z SL	SS	15 23 18.-	1.5	1.59	3				
	Z SL	RM	15 25 20.-	2.0	2.50					
HOF	+I Z SL	P	15 21 02.-	3.0	3.18	5	1200	10.8	109.5	300.4
	+I Z SL	XP	15 21 29.-	1.5	2.70	3				
	Z SL	RM	15 25 15.-	4.0	3.13					
BRN	-E Z ET	P	15 21 03.5	2.5	2.70	2	1220	11.0	122.3	312.3
GRF	E Z BE	P	15 21 05.3	1.3	2.24	3	1220	11.0	105.3	296.5
STU	-E Z BE	P	15 21 19.5	1.0	1.89	2	1350	12.1	98.0	290.7
BUH	E Z GT	P	15 21 28.1				1420	12.8	96.5	289.9
BNS	+I Z FS	P	15 21 43.5	2.5	2.00		1540	13.8	104.7	299.1
	E Z FS	-	15 22 06.-							
	E Z FS	-	15 26 27.-							
	E Z FS	-	15 26 40.-							
AUG 21 GS H= 01 43 11.0 LAT = 18.8 S LONG= 176.2 E DEPTH= 32 KM MAGNITUDE= 4.6 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	02 02 51.5			2	16340	146.9	26.8	342.0
FUR	+I Z SL	PKP1	02 02 55.-	1.5	1.28	5	16480	148.2	28.0	340.6
	-I Z SL	PKHKP	02 02 58.-	2.0	1.88	3				
	+E Z SL	PKP2	02 03 03.-	2.7	2.20	1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PKP	02 02 55.6				16530	148.6	22.4	344.6

AUG 21
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	02 14 06.9							

AUG 21 ERL
H= 03 43 48.1
LAT = 54.0 N
LONG= 166.4 W
DEPTH= 36 KM
MAGNITUDE= 4.9
FOX ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	03 55 30.5			1	8530	76.7	358.6	1.6

AUG 21 GS
H= 14 02 44.8
LAT = 5.2 S
LONG= 102.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
SOUTHERN SUMATRA

FUR	-E Z SL	P	14 16 04.-	1.5	1.28	5	10540	94.7	92.5	317.8
	+E Z SL	-	14 16 50.-	1.7	1.52	4				
	Z SL	PM	15 09 00.-	20.0	3.22					
GRF	E Z BE	P	14 16 05.1			1	10550	94.8	92.3	319.3
	E Z BE	-	14 19 23.6			1				
	E Z BE	PP	14 19 46.5			1				

AUG 21 GS
H= 16 28 17.4
LAT = 32.2 S
LONG= 180.0 W
DEPTH=246 KM
MAGNITUDE= 4.3
SOUTH OF KERMADEC ISLANDS

GRF	E Z BE	PKP	16 48 31.7			2	17860	160.6	29.8	337.7

AUG 21 BCS
H= 17 27 58.0
LAT = 45.6 N
LONG= 16.3 E
YUGOSLAVIA

BCIS= FELT AT KITUNA (45 DEG. 28 MIN. N, 16 DEG. 46 MIN. E) (ZAG).

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	+E Z SL	PB	17 29 26.-	1.5	1.18	2	510	4.6	121.6	305.7
	-E Z SL	SN	17 30 16.-	1.5	1.28	5				
	+E Z SL	SG	17 30 43.-	1.2	1.70	5				
	Z SL	MAXIMUM	17 31 03.-	1.8	1.78					
GRF	E Z BE	P	17 29 26.0			1	620	5.6	134.7	318.9
	E Z BE	-	17 29 44.8			2				
	E N BE	-	17 30 22.1			2				

AUG 22
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	00 59 06.-	1.5	1.18	4				
	+E Z SL	-	00 59 11.-	2.2	1.83	5				
	Z SL	MAXIMUM	01 17 30.-	38.0	3.18					

AUG 22 ERL
H= 01 01 13.3
LAT = 51.8 N
LONG= 175.5 E
DEPTH= 49 KM
MAGNITUDE= 4.2
RAT ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	01 13 18.7			1	8680	78.0	9.9	349.6

AUG 22
NO DETERMINATION OF EPICENTER

HOF	Z SL	MAXIMUM	01 31 00.-	10.0	3.36					

AUG 22 ERL
H= 01 54 19.9
LAT = 36.8 N
LONG= 134.6 E
DEPTH=383 KM
MAGNITUDE= 4.6
SEA OF JAPAN

GRF	-I Z BE	P	02 05 51.9	0.7	1.25	3	3940	30.4	42.8	326.6
	E Z BE	AP	02 07 23.8			2				

AUG 22 GS
H= 03 43 49.7
LAT = 36.4 N
LONG= 71.2 E
DEPTH=239 KM
MAGNITUDE= 4.6
AFGHANISTAN-USSR BORDER REGION

GRF	E Z BE	P	03 51 41.6			1	4970	44.7	83.8	306.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 22 GS H= 06 39 21.4 LAT = 32.8 S LONG= 179.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 SOUTH OF KERMADEC ISLANDS										
BRN	+E Z ET	PKIKP	06 59 15.5	4.0	2.52	2	17620	158.4	29.5	339.0
HOF	-I Z SL	PKP1	06 59 15.-	3.0	3.01	9	17870	160.7	29.3	338.1
	+I Z SL	PKP2	07 00 02.-	3.0	3.08	4				
	+I Z SL	APKP	07 00 14.-	2.0	2.80	5				
	+E Z SL	PP	07 03 44.-	4.0	2.84	3				
BNS	+E Z FS	PKP	06 59 17.3	2.5	1.85		17930	161.2	16.9	347.4
	+E Z SL	-	06 59 18.-	16.0						
	E Z SL	PP	07 03 38.-							
	E Z SL	LR	07 56 00.-	44.0						
	Z SL	-	08 07 30.-	24.0						
GPF	E Z BE	PKP	06 59 17.8			1	17950	161.4	28.6	338.4
	E Z BE	-	07 00 17.1			3				
FUR	+E Z SL	PKP1	06 59 18.-	2.2	2.47	9	18090	162.7	31.1	335.8
	-I Z SL	PKP2	07 00 09.-	2.0	2.14	9				
	+I Z SL	APKP	07 00 19.-	1.9	1.95	2				
	+I Z SL	-	07 00 56.-	1.5	2.00	4				
BUH	E Z GT	PKP	06 59 18.7				18150	163.2	22.1	342.8
AUG 22 NO DETERMINATION OF EPICENTER FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-I Z SL	-	11 10 14.-	1.2	1.78	3				
	+I Z SL	MAXIMUM	11 10 47.-	1.9	2.16					
AUG 22 GS H= 17 28 23.7 LAT = 31.3 S LONG= 179.3 E DEPTH=460 KM MAGNITUDE= 4.4 KERMADEC ISLANDS REGION										
GRF	E Z BE	PKP	17 48 13.1			2	17760	159.7	29.3	338.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 22 GS H= 18 14 37.2 LAT = 57.1 N LONG= 154.1 W DEPTH= 38 KM MAGNITUDE= 5.9 KODIAK ISLAND REGION										
HLG	+I Z X	P	18 25 35.9			5	7580	68.1	349.5	11.3
BRN	-E Z ET	P	18 25 49.-	2.8	2.92	4	7830	70.4	352.7	8.2
	-E Z ET	AP	18 26 00.-	2.8		5				
	-E N ET	S	18 35 02.-	5.0	3.18	4				
BNS	-I Z FS	P	18 25 54.0	1.3	2.36		7920	71.2	349.3	12.4
	-E Z SL	-	18 25 54.-							
	+I Z FS	-	18 26 03.7							
	E E X	S	18 35 11.-							
	E Z SL	LR	18 51 00.-							
	Z SL	-	18 59 00.-	20.0						
TNS	2 Z SL	P	18 25 59.-			4	8020	72.1	350.1	11.7
	E N SL	S	18 35 21.0			2				
HOF	+I Z SL	P	18 25 59.-	1.5	2.70	9	8050	72.4	352.0	9.4
	-I Z SL	AP	18 26 10.-	2.0	3.22	5				
	-I Z SL	PCP	18 26 17.-	2.0	2.92	3				
	+I Z SL	APCP	18 26 27.-	1.5	2.70	3				
GRF	-I Z BE	P	18 26 04.5	1.1	2.27	5	8110	72.9	351.7	9.9
	-I Z BE	-	18 26 09.8			2				
	+I Z BE	AP	18 26 14.6			3				
KRL	-E Z ST	P	18 26 07.0	1.5		9	8150	73.3	350.1	11.9
	-I Z WH	P	18 26 07.2	2.0		9				
BUH	-E Z GT	P	18 26 07.8				8190	73.6	350.0	12.1
STU	-E Z BE	P	18 26 08.0	1.0	2.34	3	8190	73.6	350.6	11.4
FUR	-I Z SL	P	18 26 13.-	1.8	2.63	9	8280	74.4	351.8	10.1
	-I Z SL	PCP	18 26 24.-	1.5	2.14	4				
	+I Z SL	-	18 26 30.-	1.5	1.98	4				
	+I Z SL	APCP	18 26 33.-	1.5	2.06	3				
	-I Z SL	XPCP	18 26 41.-	1.5	1.76	5				
	Z SL	RM	18 58 00.-	24.0	3.24					
AUG 22 GS H= 22 15 17.3 LAT = 0.6 N LONG= 25.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 CENTRAL MID-ATLANTIC RIDGE										
BUH	E Z GT	P	22 24 53.0				6220	55.9	221.3	26.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	P	22 25 03.-	1.8	1.70	5	6340	57.0	225.4	28.4
	-I Z SL	-	22 25 07.-	1.5	1.59	3				
	-I Z SL	AP	22 25 10.-	2.0	2.10	2				
	+E Z SL	-	22 25 16.-	2.0	2.00	2				
BNS	E Z FS	P	22 25 04.5	2.0	1.48		6360	57.2	219.7	23.8
GRF	E Z BE	P	22 25 08.5			2	6450	53.0	224.6	27.1

AUG 22 GS
H= 23 41 45.9
LAT = 16.4 N
LONG= 94.8 W
DEPTH= 80 KM (GEOPHYSICIST)
MAGNITUDE= 4.5
OAXACA, MEXICO

GRF	E Z BE	P	23 54 27.5			1	9740	87.6	292.6	38.7

AUG 23 GS
H= 12 26 24.8
LAT = 31.8 N
LONG= 50.9 E
DEPTH= 41 KM
MAGNITUDE= 5.0
IRAN

AUG 23 BCS
H= 12 26 27.0
LAT = 31.8 N
LONG= 50.9 E
IRAN

FUR	+I Z SL	P	12 33 08.-	1.8	1.70	5	3790	34.1	104.1	310.3
	+E Z SL	AP	12 33 17.-	1.5	1.36	4				
	-I Z SL	-	12 33 31.-	1.5	1.43	9				
GRF	E Z BE	P	12 33 10.7			2	3840	34.5	106.2	312.9

a = 0.651589
b = 0.2514273 d = 24.83
c = 0.7156927

Timisoara

AUG 23 GS
H= 14 52 42.3
LAT = 45.7 N
LONG= 21.1 E
DEPTH= 39 KM
RUMANIA

a = 0.6999836
b = 0.3521112 d = 21.71
c = 0.7169106

AUG 23 BCS
H= 14 52 43.0
LAT = 45.8 N
LONG= 21.2 E
RUMANIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	-	14 54 58.-	1.5	1.18	9	800	7.2	106.7	293.9
	-I Z SL	PG	14 55 15.-	1.2	1.85	3				
	+I Z SL	SN	14 55 49.-	2.0	2.00	9				
	-E Z SL	SB	14 56 16.-	1.5	1.43	5				
	-I Z SL	SG	14 56 27.-	1.3	1.93	4				
	Z SL	MAXIMUM	14 57 25.-	1.5	1.79					
HOF	Z SL	MAXIMUM	14 58 25.-	3.0	3.48		860	7.7	123.4	310.2
GRF	E Z BE	P	14 54 36.5			2	870	7.8	117.4	304.7
	E N BE	S	14 56 11.7			1				

AUG 23 GS
H= 16 55 25.9
LAT = 5.4 S
LONG= 151.5 E
DEPTH= 78 KM
MAGNITUDE= 5.7
NEW BRITAIN REGION

HOF	Z SL	PM	18 08 30.-	23.0	4.08		13780	123.9	51.0	330.0
GRF	+I Z BE	PKP	17 14 18.1	0.5	1.16	3	13860	124.6	50.7	329.7
FUR	-I Z SL	PKP1	17 14 20.-	1.3	1.79	8	13960	125.5	51.5	328.2
	+I Z SL	-	17 14 32.-	1.3	1.89	9				
	-E Z SL	PP	17 16 08.-	1.5	1.28	3				
	Z SL	PM	18 10 00.-	21.0	3.32					
BNS	+E Z FS	PKP	17 14 19.5	2.5	1.95		13980	125.7	45.7	333.0
	E Z FS	-	17 14 31.5							
	E Z SL	LR	17 55 00.-							
	Z SL	-	18 06 00.-	25.0						
BUH	E Z GT	PKP	17 14 21.6				14100	126.8	48.0	330.3

AUG 23 GS
H= 16 56 26.9
LAT = 45.7 N
LONG= 21.1 E
DEPTH= 51 KM
RUMANIA

Timisoara

FUR	+E Z SL	-	16 58 36.-	1.5	1.08	3	800	7.2	106.5	293.7
	-E Z SL	SN	16 59 20.-	1.5	1.08	3				
	-E Z SL	SG	17 00 03.-	1.5	1.08	2				
	Z SL	MAXIMUM	17 01 10.-	1.8	1.90					
GRF	E Z BE	P	16 58 05.6			1	870	7.8	117.2	304.5
	E N BE	S	17 00 04.3			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 23 GS H= 18 23 43.8 LAT = 46.3 N LONG= 21.5 E DEPTH= 86 KM RUMANIA										
FUR	-E Z SL	-	18 26 16.-	1.4	1.34	1	800	7.2	101.2	288.7
	-E Z SL	SG	18 27 45.-	1.5	1.28	2				
	Z SL	MAXIMUM	18 28 55.-	1.5	1.28					
AUG 23 GS H= 19 16 41.0 LAT = 36.5 N LONG= 139.6 E DEPTH=115 KM MAGNITUDE= 5.1 HONSHU, JAPAN										
GRF	-I Z BE	P	19 28 53.8	0.8	1.46	4	9210	82.8	39.5	329.1
	E Z BE	PP	19 32 03.6			1				
BUH	E Z GT	P	19 29 03.5				9430	84.8	37.4	330.0
AUG 23 GS H= 20 58 13.6 LAT = 51.8 N LONG= 173.5 W DEPTH= 38 KM MAGNITUDE= 4.7 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+E Z BE	P	21 10 15.0			3	8770	78.9	3.0	356.9
AUG 23 GS H= 23 50 32.4 LAT = 37.2 N LONG= 142.1 E DEPTH= 34 KM MAGNITUDE= 5.7 OFF EAST COAST OF HONSHU, JAPAN										
BRN	+E Z ET	P	00 02 42.-			2	8930	80.3	39.1	331.1
HOF	-I Z SL	P	00 02 52.-	1.5	1.82	3	9170	82.4	37.9	330.4
	+I Z SL	XP	00 03 04.-	1.5	2.73	1				
	+I Z SL	XPCP	00 03 11.-	1.5	2.78	2				
	Z SL	PM	00 42 40.-	15.0	3.85					
GRF	+I Z BE	P	00 02 57.4	1.3	2.34	7	9250	83.2	37.4	330.4
	E Z BE	-	00 13 30.8			1				
BNS	+I Z FS	P	00 02 59.0	2.1	2.00		9310	83.7	34.6	333.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	LR	00 36 00.-							
	Z SL	-	00 44 40.-	17.0						
FUR	+I Z SL	P	00 03 03.-	1.8	2.42	9	9380	84.4	37.4	329.4
	+I Z SL	AP	00 03 10.-	1.3	2.19	2				
	-I Z SL	XP	00 03 15.-	1.7	2.45	5				
	-I Z SL	XPCP	00 03 21.-	1.8	2.48	6				
	-I Z SL	-	00 04 14.-	1.8	2.32	9				
	-E Z SL	XPP	00 06 32.-	2.0	2.10	3				
	Z SL	PM	00 44 00.-	16.0	3.75					
STU	+I Z BE	P	00 03 04.5	1.0	2.09	4	9420	84.7	35.9	330.9
KRL	+E Z ST	P	00 03 05.8	1.4		3	9430	84.8	35.4	331.5
BUH	E Z GT	P	00 03 06.5				9470	85.2	35.3	331.4
AUG 24 GS H= 02 06 01.6 LAT = 27.8 N LONG= 52.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 SOUTHERN IRAN										
AUG 24 BCS H= 02 06 05.0 LAT = 27.8 N LONG= 52.9 E DEPTH= 50 KM SOUTHERN IRAN										
FUR	-I Z SL	P	02 13 18.-	1.8	2.15	9	4210	37.9	107.3	313.8
	-I Z SL	XP	02 13 27.-	1.3	1.89	9				
	-I Z SL	-	02 13 36.-	1.3	1.79	8				
GRF	E Z BE	P	02 13 21.1			2	4270	38.4	109.0	316.1
	I Z BE	-	02 13 24.0			3				
	E Z BE	-	02 13 44.8			2				
BUH	E Z GT	P	02 13 33.6				4440	40.0	104.9	313.7
BNS	E Z FS	P	02 13 46.5	1.0	1.30		4590	41.2	106.4	316.8
AUG 24 GS H= 02 12 41.1 LAT = 28.0 N LONG= 52.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 SOUTHERN IRAN										
GRF	E Z BE	P	02 20 00.6			2	4270	38.4	108.6	315.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

AUG 24
NO DETERMINATION OF EPICENTER

FUR	+E Z SL	-	07 23 52.-	2.0	1.88	6				
	-I Z SL	-	07 24 14.-	1.5	1.36	2				
	-I Z SL	-	07 25 11.-	1.5	1.43	7				

AUG 24 GS
H= 09 34 10.5
LAT = 27.9 N
LONG= 52.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTHERN IRAN

AUG 24 BCS
H= 09 34 20.0
LAT = 27.9 N
LONG= 52.5 E
SOUTHERN IRAN

FUR	-I Z SL	P	09 41 26.-	1.5	1.28	5	4210	37.8	107.2	313.7
GRF	E Z BE	P	09 41 30.1			3	4260	38.3	109.0	316.1

AUG 24 BCS
H= 10 50 57.0
LAT = 36.0 N
LONG= 2.1 W
STRAIT OF GIBRALTAR

AUG 24 GS
H= 10 50 59.7
LAT = 36.2 N
LONG= 2.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 3.9
STRAIT OF GIBRALTAR

FUR	+E Z SL	PP	10 54 52.-	1.5	1.18	4	1740	15.7	224.0	35.0
	E SL	QM	11 00 30.-	13.0	3.24					
GRF	E Z BE	P	10 54 57.5			2	1870	16.8	220.3	31.2

AUG 24
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST SUPPOSED.

BNS	E Z FS	PG	10 59 18.5							
	I E X	SG	10 59 30.2							
	E Z FS		10 59 41.5	1.3	1.90					
	E E X	-	10 59 41.5	1.0	2.23					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

AUG 24
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+E Z SL	-	13 00 18.-	1.6	1.60	2				
	Z SL	MAXIMUM	13 01 34.-	2.0	2.10					

AUG 24
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+E Z SL	-	14 10 29.-	1.5	2.22	8				

AUG 24
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	18 10 59.6							

AUG 24
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	18 51 55.5							

AUG 24 GS
H= 20 18 21.4
LAT = 7.2 S
LONG= 156.0 E
DEPTH= 62 KM
MAGNITUDE= 5.3
SOLOMON ISLANDS

GRF	E Z BE	PKP	20 37 22.9			2	14280	128.4	46.9	331.5
	E Z BE	-	20 39 24.7			2				
	E Z BE	PP	20 40 40.7			2				
	E Z BE	PS	20 50 32.4			1				
BNS	+E Z FS	PKP	20 37 24.2	1.3	1.30		14380	129.3	41.5	335.0
	E Z FS	SKP	20 40 43.5	2.0	1.78					
FUR	-I Z SL	PKP1	20 37 25.-	1.5	1.76	9	14390	129.4	47.8	330.0
	+I Z SL	XPKP	20 37 38.-	1.8	2.00	5				
	+E Z SL	-	20 38 12.-	1.8	2.00	5				
	-I Z SL	SKP	20 40 44.-	1.5	1.49	2				
	Z SL	QM	21 30 00.-	27.0	3.12					
STU	-E Z BE	PKP	20 37 26.0	1.0	1.79	2	14460	130.0	45.1	331.8
BUH	E Z GT	PKP	20 37 26.5				14510	130.5	44.1	332.3
	E Z GT	PKP	20 40 46.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 24										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	+E Z SL	-	20 49 20.-	1.5	1.08	3				
	Z SL	MAXIMUM	20 50 50.-	2.0	1.80					
AUG 25 GS										
H= 02 23 52.0										
LAT = 12.3 S										
LONG= 166.2 E										
DEPTH= 33 KM (NORMAL)										
SANTA CRUZ ISLANDS										
GRF	E Z BE	PKP	02 42 48.7			2	15280	137.4	37.6	336.1
AUG 25 GS										
H= 03 44 34.2										
LAT = 10.6 N										
LONG= 138.4 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.8										
WEST CAROLINE ISLANDS										
HOF	+E Z SL	P	03 58 34.-	1.5	2.22	5	11520	103.6	54.3	328.0
	+E Z SL	AP	03 58 44.-	2.0	2.32	1				
	+E Z SL	APP	04 03 04.-	3.0	2.82	9				
	Z SL	AM	04 43 00.-	20.0	4.35					
GRF	E Z BE	P	03 58 37.0			1	11600	104.3	53.9	327.7
	E Z BE	PP	04 02 52.2			2				
FUR	-E Z SL	P	03 58 42.-	2.0	1.80	5	11690	105.2	54.3	326.4
	-E Z SL	PP	04 03 10.-	3.0	2.46	2				
	Z SL	PM	04 54 10.-	17.0	3.51					
BNS	E Z FS	P	03 58 43.8				11740	105.6	50.1	330.4
	E Z FS	PP	04 03 07.-							
BUH	E Z GT	PP	04 02 10.0				11840	106.5	51.5	328.1
AUG 25 GS										
H= 06 04 41.9										
LAT = 17.6 S										
LONG= 174.8 W										
DEPTH=200 KM (GEOPHYSICIST)										
MAGNITUDE= 4.4										
TONGA ISLANDS										
GRF	E Z BE	PKP	06 24 04.8			2	16410	147.6	10.7	352.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 25										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	11 29 20.8							
AUG 25 GS										
H= 12 15 53.0										
LAT = 56.0 N										
LONG= 163.6 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.2										
NEAR EAST COAST OF KAMCHATKA										
GRF	+E Z BE	P	12 27 16.8	1.2	1.85	3	8020	72.2	15.9	341.6
FUR	-I Z SL	P	12 27 26.-	1.9	1.95	3	8190	73.6	15.8	341.1
	-E Z SL	XP	12 27 39.-	1.5	1.36	6				
BUH	E Z GT	P	12 27 24.9				8190	73.7	14.1	343.3
AUG 25 GS										
H= 12 48 20.6										
LAT = 34.8 N										
LONG= 24.9 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.1										
CRETE										
AUG 25 BCS										
H= 12 48 25.0										
LAT = 34.9 N										
LONG= 24.8 E										
CRETE										
GRF	E Z BE	P	12 52 30.3			2	1990	17.9	140.9	330.1
AUG 25										
NO DETERMINATION OF EPICENTER										
BNS= ROCKBURST. FELT WITH INTENSITY IV-V AT BRUCKHAUSEN NEAR DINSLAKEN, RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN, GERMANY. H= 13 47 43, 50 DEG. 36 MIN. N, 6 DEG. 46 MIN. E, MLOC= 2.4.										
BNS	E Z FS	PG	13 47 56.5							
	E E X	SG	13 48 06.7	0.5	2.08					
	E Z FS	-	13 48 08.5							
	E Z FS		13 48 18.-	2.0	1.73					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 25 GS H= 14 39 15.1 LAT = 25.8 N LONG= 129.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 RYUKYU ISLANDS REGION										
GRF	E Z BE	P	14 51 58.7			2	9680	87.1	52.6	325.1
FUR	+I Z SL	P	14 52 04.-	1.5	1.73	9	9780	88.0	52.6	323.8
	+I Z SL	-	14 52 09.-	1.5	1.49	2				
	-I Z SL	XP	14 52 15.-	1.5	1.54	3				
	+I Z SL	-	14 52 22.-	1.2	1.85	7				
	7 SL	RM	15 35 50.-	16.0	3.30					
BUH	E Z GT	P	14 52 08.0				9920	89.2	50.4	325.5
AUG 25 GS H= 14 58 10.8 LAT = 28.1 N LONG= 56.8 E DEPTH= 56 KM MAGNITUDE= 5.4 SOUTHERN IRAN										
AUG 25 BCS H= 14 58 16.0 LAT = 28.1 N LONG= 56.8 E DEPTH= 90 KM SOUTHERN IRAN										
FUR	-I Z SL	P	15 05 44.-	1.9	2.39	9	4480	40.3	103.1	312.4
BRN	+E Z ET	P	15 05 45.-	2.0	2.48	2	4480	40.3	109.8	319.3
HOF	-E Z SL	P	15 05 46.-	1.5	2.52	9	4500	40.5	106.1	315.8
	+E Z SL	AP	15 05 52.-	2.0	2.62	9				
	Z SL	RM	15 34 00.-	17.0	3.97					
GRF	-I Z BE	P	15 05 48.3	0.9	2.00	9	4530	40.7	104.8	314.7
	E Z BE	-	15 05 57.4			2				
BUH	E Z GT	P	15 06 00.1				4710	42.4	100.9	312.6
BNS	+I Z ES	P	15 06 10.5	2.0	2.13		4840	43.5	102.4	315.7
AUG 25 GS H= 15 15 40.8 LAT = 43.5 N LONG= 146.8 E DEPTH= 39 KM MAGNITUDE= 5.0 KURIL ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	+I Z BE	P	15 27 44.8	1.0	1.60	4	8830	79.4	31.2	332.5
AUG 25 GS H= 16 31 57.2 LAT = 23.0 N LONG= 56.7 E DEPTH= 64 KM MAGNITUDE= 4.2 SOUTHERN IRAN										
GRF	E Z BE	P	16 39 33.8			2	4530	40.7	104.9	314.3
AUG 25 GS H= 21 50 01.4 LAT = 19.5 N LONG= 121.6 E DEPTH= 44 KM MAGNITUDE= 5.1 PHILIPPINE ISLANDS REGION										
GRF	+E Z BE	P	22 02 47.7			3	9760	87.8	62.3	322.5
AUG 26 GS H= 00 28 44.7 LAT = 19.5 S LONG= 178.0 W DEPTH=560 KM MAGNITUDE= 4.4 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	00 47 31.6			1	16560	148.9	17.0	348.4
AUG 26 GS H= 01 28 49.0 LAT = 19.7 S LONG= 168.1 E DEPTH= 17 KM MAGNITUDE= 4.8 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	01 48 26.2			2	16110	144.9	40.0	333.7
FUR	+E Z SL	PKP1	01 43 30.-	1.5	1.23	5	16240	146.0	41.5	331.9
	+E Z SL	XPKP	01 48 45.-	1.5	1.28	2				
AUG 26 BCS H= 04 46 56.0 LAT = 46.3 N LONG= 2.6 E FRANCE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BCIS= SOUTH OF MONTLUCON. FELT III AT MONTLUCON. (CFF).										
BUH	E Z GT	PN	04 48 21.3				500	4.5	240.1	55.9
AUG 26 GS H= 18 00 37.4 LAT = 18.0 S LONG= 178.7 W DEPTH=634 KM MAGNITUDE= 4.5 FIJI ISLANDS REGION										
GRF	+I Z BE	PKP	18 19 13.7	0.6	1.22	3	16390	147.4	17.6	348.1
BUH	E Z GT	PKP	18 19 17.0				16550	148.8	12.8	351.1
AUG 26 NO DETERMINATION OF EPICENTER										
FUR= H= 21 11 17, 47.69 DEG. N, 11.77 DEG. E, DEPTH= 0-1 KM (GEOPHYSISIST), M(LOCAL)= 2, INTENSITY= IV, R= 2 KM, ROTTACH-EGERN/TEGERNSEE, GERMANY. FELT AT ROTTACH-EGERN (III-IV) AND TEGERNSEE (III). FELT AREA IS RESTRICTED TO THE POSTGLACIAL SEDIMENTS OF WEISSACH, ROTTACH AND ALP-BACH. ASSUMED FOCAL MECHANISM= NE-SW STRIKE-SLIP FAULTING AT THE NORTHERN BOUNDARY OF THE EAST ALPIDIC ZONE. EASTERN PART MOVED NORTHWARD AFTER MAKROSEISMIC INVESTIGATIONS. SEE MAP IN THE APPENDIX.											
FUR	-I Z SL	P	21 11 30.-	1.5	1.43	1				
	-I Z SL	-	21 11 53.-	1.6	1.65	1				
	Z SL	MAXIMUM	21 12 20.-	1.3	2.06					
GRF	E Z BE	PG	21 11 53.0			1				
	E N BE	SG	21 12 18.6			2				
AUG 26 ERL H= 21 27 34.1 LAT = 29.6 S LONG= 177.5 W DEPTH= 55 KM MAGNITUDE= 5.4 KERMADEC ISLANDS										
HOF	-I Z SL	PKP1	21 47 24.-	2.0	2.62	3	17580	158.1	22.3	343.8
	-E Z SL	XPKP	21 48 14.-	1.8	2.36	6				
BNS	I Z FS	PKP	21 48 00.5	2.0	1.78		17610	158.3	11.0	352.1
	E Z FS	-	21 43 11.5							
GRF	E Z BE	PKP	21 47 26.0			1	17660	158.9	21.3	344.3
	E Z BE	-	21 48 02.3			1				
	-E Z BE	-	21 48 03.4			3				
	+E Z BE	-	21 48 18.2			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-I Z SL	PKP1	21 47 28.-	2.0	2.14	9	17820	160.3	23.0	342.5
	+E Z SL	XPKP	21 47 44.-	2.0	2.00	2				
	-I Z SL	PKP2	21 48 10.-	2.0	2.30	9				
	+I Z SL	XPKP	21 48 23.-	2.0	2.30	3				
BUH	E Z GT	PKP	21 47 28.3				17840	160.4	14.9	348.7
AUG 26 GS H= 21 47 12.0 LAT = 51.2 N LONG= 179.3 W DEPTH= 48 KM MAGNITUDE= 5.2 ANDREANOF ISLANDS, ALEUTIAN IS.										
BNS	+I Z FS	P	21 59 06.8	1.5	1.60		8680	78.0	4.1	355.8
	E Z FS	-	21 59 30.-							
HOF	+I Z SL	P	21 59 10.-	1.5	2.48	5	8720	78.4	7.1	352.7
	-E Z SL	PP	22 02 10.-	4.0	2.80	2				
	Z SL	PM	22 43 40.-	15.0	3.67					
GRF	E Z BE	P	21 59 12.2	0.8	1.75	2	8790	79.0	6.7	353.1
	E Z BE	-	21 59 35.6			2				
	E Z BE	-	21 59 43.2			2				
BUH	E Z GT	P	21 59 18.8				8920	80.3	4.8	355.0
FUR	+I Z SL	P	21 59 21.-	1.5	1.36	6	8960	80.6	6.7	352.9
	-E Z SL	XPCP	21 59 45.-	1.5	1.43	1				
	Z SL	PM	22 43 30.-	17.0	3.09					
AUG 26 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	23 42 22.3			2				
AUG 27 GS H= 00 07 26.5 LAT = 51.5 N LONG= 178.4 W DEPTH= 59 KM MAGNITUDE= 5.2 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	00 19 25.5			1	8770	78.9	6.1	353.7
	I Z BE	-	00 19 26.3	0.5	1.22	4				
	E Z BE	AP	00 19 49.0			2				
BUH	E Z GT	P	00 19 31.6				8910	80.1	4.2	355.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

AUG 27 GS
H= 00 17 20.4
LAT = 40.2 N
LONG= 142.4 E
DEPTH= 53 KM
MAGNITUDE= 4.1
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E	Z	BE	P	00 29 31.7		2	8980	80.7	35.7 330.3

AUG 27 GS
H= 00 28 21.0
LAT = 51.2 N
LONG= 179.2 W
DEPTH= 53 KM
MAGNITUDE= 4.5
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E	Z	BE	P	00 40 21.0		1	8790	79.0	6.7 353.1

AUG 27 GS
H= 02 11 52.9
LAT = 51.3 N
LONG= 179.3 W
DEPTH= 51 KM
MAGNITUDE= 4.6
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E	Z	BE	P	02 23 53.1		1	8790	79.0	6.7 353.1

AUG 27 GS
H= 02 58 48.1
LAT = 28.6 N
LONG= 139.6 E
DEPTH=419 KM
MAGNITUDE= 3.9
BONIN ISLANDS REGION

GRF	E	Z	BE	P	03 11 01.0		1	9960	89.6	43.6 329.4

AUG 27
NO DETERMINATION OF EPICENTER

BUH	E	Z	GT	PN	04 13 25.0					

AUG 27 GS
H= 04 37 05.4
LAT = 51.7 N
LONG= 173.7 W
DEPTH= 45 KM (GEOPHYSICIST)
MAGNITUDE= 4.9
ANDREANOF ISLANDS, ALEUTIAN IS.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	+E	Z	BE	P	04 49 05.8	0.7	1.30	3	8770	78.9	3.1	356.8
	+E	Z	BE	PP	04 50 56.0			2				

AUG 27 GS
H= 06 26 46.1
LAT = 51.7 N
LONG= 173.7 W
DEPTH= 51 KM
MAGNITUDE= 5.1
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	+E	Z	BE	P	06 38 45.6	1.0	1.62	3	8770	78.9	3.1	356.8
BUH	E	Z	GT	P	06 38 51.0				8890	79.9	1.2	358.7

AUG 27 GS
H= 06 45 44.4
LAT = 51.1 N
LONG= 179.0 W
DEPTH= 62 KM
MAGNITUDE= 4.5
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	+E	Z	BE	P	06 57 44.3			2	8810	79.2	6.6	353.2

AUG 27
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+I	Z	SL	-	11 26 27.-	1.7	1.61	2				
		Z	SL	MAXIMUM	11 27 26.-	2.0	2.10					
GRF	E	Z	BE	P	11 26 32.3			2				

AUG 27
NO DETERMINATION OF EPICENTER

GRF	E	Z	JM	PN	11 27 16.8			1				
	E	Z	BE	PG	11 27 20.0			1				
	E	N	BE	SG	11 27 47.6			2				

AUG 27
NO DETERMINATION OF EPICENTER

GRF	E	Z	BE	P	11 27 27.8			2				
BUH	E	Z	GT	P	11 27 36.2							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
AUG 27 GS H= 13 48 31.6 LAT = 16.0 S LONG= 168.1 E DEPTH= 11 KM MAGNITUDE= 5.7 NEW HEBRIDES ISLANDS										
HOF	+E Z SL	PKP1	14 08 02.-	6.0	3.07	9	15650	140.7	37.8	335.9
	+E Z SL	PP	14 11 04.-	6.0	3.25	3				
FUR	+E Z SL	PKP1	14 08 04.-	2.5	2.35	2	15870	142.7	38.6	334.2
BUH	E Z GT	PKP	14 08 01.0				15950	143.5	33.8	337.5
AUG 27 GS H= 14 03 51.2 LAT = 51.2 N LONG= 179.3 W DEPTH= 60 KM MAGNITUDE= 4.5 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	14 15 50.4			2	8800	79.1	6.7	353.1
AUG 27 GS H= 14 23 06.1 LAT = 18.1 S LONG= 178.4 W DEPTH=610 KM (GEOPHYSICIST) MAGNITUDE= 5.1 FIJI ISLANDS REGION										
BNS	+I Z FS	PKP	14 41 42.5	1.0	1.60		16340	146.9	9.8	353.5
GRF	+E Z BE	PKP	14 41 44.4	0.8	1.56	2	16410	147.5	17.3	348.3
	E Z BE	-	14 41 48.3			2				
	E Z BE	APKP	14 44 03.0			2				
BUH	E Z GT	PKP	14 41 47.7				16570	143.0	12.4	351.4
AUG 27 GS H= 14 27 02.2 LAT = 18.1 S LONG= 178.5 W DEPTH=631 KM MAGNITUDE= 5.0 FIJI ISLANDS REGION										
BNS	I Z FS	PKP	14 45 36.5	1.0	1.48		16330	146.9	10.0	353.4
GRF	+E Z BE	PKP	14 45 38.7			3	16400	147.5	17.5	348.2
FUR	-I Z SL	PKP1	14 45 43.-	1.5	1.54	3	16560	148.9	18.3	347.2
	+I Z SL	PKHKP	14 45 49.-	1.5	1.36	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PKP	14 45 41.8				16570	149.0	12.6	351.3
AUG 27 GS H= 16 39 33.7 LAT = 51.7 N LONG= 173.8 W DEPTH= 58 KM MAGNITUDE= 4.5 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	16 51 32.9			2	8770	78.9	3.2	356.7
AUG 28 GS H= 02 59 57.6 LAT = 50.5 N LONG= 68.4 E DEPTH= 0 KM (GEOPHYSICIST) MAGNITUDE= 5.3 CENTRAL KAZAKH SSR										
AUG 28 BCS H= 03 00 00.0 LAT = 50.6 N LONG= 69.0 E DEPTH= 0 KM (GEOPHYSICIST) CENTRAL KAZAKH SSR BCIS= PROBABLY ARTIFICIAL.										
GRF	E Z BE	P	03 07 02.4			2	3990	35.9	66.1	291.4
BUH	E Z GT	P	03 07 19.9				4240	38.1	63.8	291.3
AUG 28 GS H= 09 50 40.0 LAT = 18.3 N LONG= 96.6 W DEPTH= 84 KM MAGNITUDE= 6.8 VERA CRUZ, MEXICO NOS= MORE THAN 600 REPORTED KILLED, THOUSANDS INJURED, HEAVY DAMAGE IN THE STATES OF MORALES, PUEBLA AND VERA CRUZ WHERE THOUSANDS WERE LEFT HOMELESS. FELT STRONGLY AT MEXICO CITY. MAG. 7.2 (PAS).										
HLG	-I Z SL	P	10 03 01.8			9	9230	83.5	292.2	34.9
	Z X	P	10 03 01.8							
	+I Z X	AP	10 03 28.8							
	+I Z SL	S	10 13 17.8			6				
BOC	-I Z BH	P	10 03 04.4	2.0	4.03	6	9360	84.2	291.9	37.6
	-I E BH	S	10 13 25.4	6.0	5.65	9				
BNS	-I Z FS	P	10 03 05.5	1.8	3.60		9380	84.4	292.0	38.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	-	10 03 05.5	16.0						
	+I Z FS	AP	10 03 34.0	2.5	3.89					
	E Z SL	PP	10 06 23.-							
	E E X	S	10 13 19.5							
	I E X	-	10 13 27.-	3.5	3.90					
	E Z SL	SS	10 18 32.-							
	E Z SL	LR	10 30 00.-	60.0						
	Z SL	-	10 31 00.-	48.0						
	Z SL	-	10 40 00.-	22.0						
TNS	1I Z SL	P	10 03 10.4			9	9500	85.4	293.0	38.5
	E Z SL	PCP	10 03 39.-			9				
	I Z SL	PP	10 06 26.5			9				
	E SL	S	10 13 39.0			9				
KRL	-E Z ST	P	10 03 13.5	2.0		9	9550	85.8	293.0	39.6
	-I Z WH	P	10 03 13.6	3.0		9				
BUH	-I Z GT	P	10 03 12.5				9550	85.9	292.9	40.0
	I Z GT	P	10 03 33.8							
	I Z GT	P	10 03 41.8							
STU	-I Z BE	P	10 03 15.5	2.0	3.79	9	9610	86.4	293.6	39.6
	+E N BE	S	10 13 49.0	3.4	3.55	6				
BRN	-I Z ET	P	10 03 19.0	4.7	3.79	9	9630	87.2	296.5	35.2
	-I Z ET	AP	10 03 41.3			5				
	-E Z ET	PP	10 06 36.-	4.8		3				
	+E E ET	S	10 13 55.-	8.0		5				
GRF	-I Z BE	P	10 03 19.7	1.9	3.44	9	9700	87.2	295.1	38.2
	E Z BE	AP	10 03 50.-			9				
	E Z BE	PP	10 06 48.0			2				
	E Z BE	APP	10 07 07.2			2				
	E E BE	S	10 14 00.0			9				
	E Z BE	PKKP	10 21 09.4			5				
	E Z BE	PKPPKP	10 29 12.4			2				
	E Z BE	-	10 49 45.1			2				
HOF	+I Z SL	P	10 03 20.-	2.5	4.05	9	9710	87.4	295.5	37.5
	+I Z SL	AP	10 03 42.-	1.5	3.65	8				
	-I Z SL	XP	10 03 51.-	1.5	4.00	5				
	-I Z SL	XPP	10 07 04.-	8.0	4.50	6				
	Z SL	PM	10 45 40.-	12.0	4.83					
FUR	-I Z SL	P	10 03 22.-	1.9	3.28	9	9780	87.9	295.2	39.6
	-I Z SL	AP	10 03 49.-	1.8	2.81	3				
	+I Z SL	XP	10 03 58.-	1.8	2.95	2				
	+I Z SL	S	10 14 04.-	8.0	4.19	9				
	Z SL	PM	10 45 30.-	18.0	4.67					

AUG 28
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	-E Z SL	-	12 03 41.-	1.5	2.48	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	-	12 03 54.-	1.5	2.56	2				
	Z SL	MAXIMUM	12 04 10.-	1.5	2.52					

AUG 28
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	Z SL	MAXIMUM	14 04 40.-	1.8	2.00					

AUG 28 GS
H= 15 01 59.1
LAT = 0.2 S
LONG= 18.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.8
CENTRAL MID-ATLANTIC RIDGE

BUH	E Z GT	P	15 11 19.2				5970	53.7	213.3	21.3
	I Z GT	P	15 11 38.8							
KRL	+E Z WH	P	15 11 21.0	4.0		9	6010	54.0	213.4	21.2
STU	+E Z BE	P	15 11 23.9	0.8	2.35	3	6020	54.1	214.4	21.9
FUR	-I Z SL	P	15 11 36.-	2.0	2.93	9	6060	54.5	217.0	23.7
	Z SL	PM	15 35 00.-	18.0	5.33					
TNS	Z SL	P	15 11 49.-			9	6120	55.1	212.9	20.4
	E SL	S	15 18 28.5			9				
BNS	+E Z FS	P	15 11 31.0	1.8	2.28		6150	55.3	211.2	19.1
	+E Z SL	-	15 11 31.-	6.0						
	+I Z FS	-	15 11 51.5	3.3	3.71					
	I E K	S	15 19 35.-							
	-I Z SL	-	15 19 41.-							
	E Z SL	LR	15 28 00.-	54.0						
	Z SL	-	15 30 50.-	33.0						
GRF	E Z BE	P	15 11 33.2			2	6190	55.7	216.3	22.6
	+I Z BE	-	15 11 43.2			6				
	I Z BE	AP	15 11 52.9			2				
	E N BE	S	15 19 36.0			2				
BOC	+E Z B4	P	15 11 35.0	2.0	3.30	1	6200	55.7	211.1	18.8
	-I E B4	S	15 19 40.4	10.0	4.85	3				
	Z B4	MAXIMUM	15 38 32.5	20.0	5.82					
HOF	+I Z SL	P	15 11 39.-	2.5	3.10	8	6270	56.4	216.8	22.6
	E SL	PM	15 40 30.-	18.0	5.28					
HLG	+ Z SL	P	15 11 51.8			4	6480	58.3	210.9	17.6
	+I Z SL	-	15 12 10.8			9				
	+ Z SL	S	15 19 52.-			9				
BRN	+E Z ET	P	15 11 55.5	3.5		2	6520	58.6	217.4	21.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I E ET	PPS	15 20 18.8	7.0		9				

a = 0.6964786
b = 0.1290847
c = 0.7058716
d. 284.6°

AUG 28 BCS
H= 21 00 21.0
LAT = 44.9 N
LONG= 10.5 E
NORTHERN ITALY

FUP	-I Z SL	PG	21 01 43.-	1.5	1.36	1	370	3.3	189.6	9.0
	+E Z SL	SN	21 02 02.-	1.8	1.78	1				
	+E Z SL	SG	21 02 17.-	1.8	1.70	5				
	Z SL	MAXIMUM	21 02 50.-	1.5	1.49					
BUH	E Z GT	PN	21 01 23.5				450	4.1	156.7	338.4
GRF	E Z BE	P	21 01 52.4			1	540	4.8	186.1	5.6
	E N BE	S	21 02 35.5			1				

AUG 29 GS
H= 07 50 05.0
LAT = 17.1 S
LONG= 173.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
TONGA ISLANDS

BNS	I Z FS	PKP	08 09 44.8							
	E Z FS	-	08 10 01.-				16260	146.2	0.7	359.5
GRF	E Z BE	PKP	08 09 48.1			2	16380	147.3	7.9	354.6

AUG 29
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	15 59 46.5		
	I E X	SG	15 59 51.8		
	I Z FS	-	16 00 00.5	1.0	1.90

AUG 30
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	01 26 14.5		2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

AUG 30 GS
H= 07 36 23.6
LAT = 38.0 N
LONG= 42.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
TURKEY

AUG 30 BCS
H= 07 36 28.0
LAT = 37.9 N
LONG= 42.8 E
TURKEY

FUR	-I Z SL	P	07 41 46.-	1.0	2.18	1	2770	24.9	102.3	304.1
	-I Z SL	AP	07 41 51.-	1.3	2.06	5				
	+I Z SL	XP	07 41 57.-	1.5	1.59	3				
	+I Z SL	-	07 42 02.-	1.5	1.76	2				
	+I Z SL	-	07 42 14.-	1.5	1.76	2				
	-I Z SL	-	07 42 41.-	2.0	2.18	1				
	-I Z SL	-	07 42 53.-	1.5	1.76	2				
	N SL	QM	07 53 10.-	15.0	3.62					
HOF	-E Z SL	P	07 41 52.-	3.0	2.78	3	2790	25.1	107.4	309.2
	+E Z SL	AP	07 42 04.-	1.5	2.43	2				
	-E Z SL	-	07 42 13.-	3.0	2.78	9				
	-E Z SL	PP	07 42 24.-	2.0	2.32	1				
	+E Z SL	PPP	07 42 35.-	2.0	2.32	1				
	-E Z SL	-	07 42 53.-	3.0	2.56	2				
	Z SL	QM	07 53 30.-	13.0	4.02					
GRF	E Z BE	P	07 41 49.7	1.0	1.73	3	2820	25.3	105.4	307.6
BUH	E Z GT	P	07 42 03.0				3000	27.0	100.3	304.3

AUG 30 GS
H= 08 54 32.4
LAT = 37.3 S
LONG= 179.4 E
DEPTH= 46 KM
MAGNITUDE= 5.8
OFF E. COAST OF N. ISLAND, N.Z.

HOF	Z SL	PM	10 35 00.-	19.0	3.90		18260	164.2	39.2	329.5
GRF	E Z BE	PKP1	09 14 27.5			1	18350	165.0	38.9	329.2
	E Z BE	-	09 14 35.8			2				
	E Z BE	PKP2	09 15 29.0			2				
FUR	+E Z SL	PKP1	09 14 30.-	1.5	1.28	2	18470	166.1	42.9	325.1
	+I Z SL	XPKP	09 14 45.-	1.8	1.90	2				
	-I Z SL	PKP2	09 15 34.-	2.0	2.10	3				
	+I Z SL	APKP	09 15 44.-	1.5	1.59	9				
BUH	E Z GT	PKP	09 14 35.0				18570	167.0	32.7	333.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 30 GS H= 13 00 45.9 LAT = 24.3 S LONG= 180.0 E DEPTH=505 KM (GEOPHYSICIST) MAGNITUDE= 4.9 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	APKP	13 21 58.3			1	17030	153.1	23.2	343.7
AUG 30 NO DETERMINATION OF EPICENTER HOF= EXPLOSION.										
HOF	+I Z SL	-	14 17 02.-	1.5	2.52	2				
	Z SL	MAXIMUM	14 17 18.-	1.5	2.78					
AUG 30 NFB H= 15 05 00.6 LAT = 50.5 N LONG= 10.0 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
NFB= QUARRYBLAST AT HILDERS/RHOEN. SHOTPOINT NO. 2. H= 15 05 00.64, 50 DEG. 32 MIN. 32.4 SEC. N, 10 DEG. 2 MIN. 16.2 SEC. E, HEIGHT= 730 METERS, CHARGE= 8.625 TONS.										
GRF	E Z BE	PG	15 05 22.6			2	130	1.1	318.6	137.7
	E N BE	SG	15 05 39.7			2				
HOF	-I Z SL	-	15 05 23.-	1.0	2.54	9	130	1.2	281.7	100.3
	Z SL	MAXIMUM	15 05 42.-	1.5	2.52					
AUG 30 GS H= 18 25 43.1 LAT = 7.3 N LONG= 72.8 W DEPTH=181 KM MAGNITUDE= 5.7 NORTHERN COLOMBIA										
NOS= ONE INJURED AND MODERATE DAMAGE IN NORTHERN COLOMBIA, FELT AT CARACAS AND SAN CRISTOBAL, VENEZUELA. MAG. 6.5 (BRK).										
BNS	+I Z FS	P	18 37 22.3							
	I Z FS	AP	18 38 06.6	1.5	2.00		8680	78.0	266.9	39.5
	E Z SL	-	18 38 22.-							
	E Z SL	S	18 47 04.-							
	Z SL	-	19 03 00.-	50.0						
BUH	+I Z GT	P	18 37 25.4				8740	78.6	268.2	41.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z GT	P	18 38 10.6							
HLG	+ Z SL	P	18 37 25.2			5	8750	78.7	266.8	36.3
	+ Z SL	AP	18 38 10.1			4				
KRL	+I Z WH	P	18 37 27.4	4.0		5	8760	78.8	268.2	41.6
TNS	1 Z SL	P	18 37 27.-			3	8760	78.8	268.0	40.3
	Z SL	AP	18 38 11.-			3				
	E Z SL	XP	18 38 31.-			3				
	N SL	S	18 47 12.5			5				
	N SL	XS	18 48 26.0			4				
STU	+E Z BE	P	18 37 28.5	0.8	2.13	3	8810	79.3	268.9	41.8
	BE	XP	18 38 16.0							
GRF	+E Z BE	P	18 37 36.6			3	8960	80.6	270.3	40.9
	E Z BE	AP	18 38 19.2			2				
	-I Z BE	APCP	18 38 23.6			9				
	E N BE	S	18 47 30.5			2				
	E Z BE	-	18 56 14.6			2				
	E Z BE	-	18 57 01.0			1				
	E Z BE	PKPPKP	19 04 11.3			1				
	E Z BE	-	19 07 28.0			2				
FUR	-I Z SL	P	18 37 38.-	1.6	1.85	3	8970	80.6	270.5	42.4
	+I Z SL	PCP	18 37 41.-	1.5	1.73	4				
	+I Z SL	AP	18 38 21.-	1.8	2.60	9				
	+I Z SL	APCP	18 38 29.-	2.0	2.57	3				
	-I Z SL	XP	18 38 44.-	2.0	2.51	2				
	+I Z SL	XPCP	18 38 50.-	1.5	1.98	3				
	-I Z SL	APP	18 41 30.-	2.0	2.10	5				
	+I Z SL	XPP	18 41 49.-	1.5	1.66	6				
	E SL	RM	19 11 00.-	17.0	3.32					
HOF	-E Z SL	P	18 37 39.-	6.0	3.55	9	9010	81.0	270.7	40.3
	-I Z SL	AP	18 38 23.-	2.0	2.77	5				
	-I Z SL	XP	18 38 43.-	4.0	3.24	5				
	+I Z SL	APP	18 41 18.-	2.0	2.62	9				
	+E Z SL	XPP	18 41 44.-	6.0	3.37	5				
	+E Z SL	S	18 47 33.-	5.0	3.18	9				
	+E Z SL	PPS	18 48 56.-	6.0	3.25	2				
	Z SL	RM	19 10 00.-	17.0	3.87					
BRN	+I Z ET	P	18 37 43.3	5.0	2.90	5	9100	81.8	271.4	38.1
	+I Z ET	AP	18 38 28.7	3.0	2.85	4				
	-E E ET	S	18 47 42.5	6.0	3.08	3				
	-E E ET	XS	18 48 59.-			2				
AUG 30 NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	19 07 18.-	2.0	1.94	1				
	+I Z SL	-	19 07 31.-	1.5	1.59	9				
	+I Z SL	-	19 07 44.-	1.5	1.59	2				
HOF	-I Z SL	-	19 07 30.-	4.0	3.05	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
AUG 30 GS H= 19 50 02.9 LAT = 7.1 N LONG= 84.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.9 BAY OF BENGAL										
NOS= THIS SHOCK, WHICH OCCURED ABOUT 100 KM FROM ANY PREVIOUS HYPOCENTER TENDS TO DELINEATE A TREND OF HITHERTO LOW SEISMICITY.										
BRN	+I Z ET	P	20 01 31.0	3.0	2.90	5	8110	72.9	100.8	322.7
HOF	-I Z SL	P	20 01 34.-	2.0	2.92	7	8160	73.4	99.1	320.4
	-I Z SL	XP	20 01 46.-	2.0	2.92	1				
FUR	-I Z SL	P	20 01 34.-	1.8	2.40	9	8170	73.4	98.0	318.1
	+I Z SL	XP	20 01 46.-	1.3	2.03	4				
	+I Z SL	PCP	20 01 50.-	1.8	2.15	3				
	-I Z SL	APCP	20 01 58.-	1.5	1.49	3				
	+I Z SL	PP	20 04 24.-	1.8	2.00	3				
	E SL	RM	20 38 40.-	17.0	3.38					
GRF	+E Z BE	P	20 01 35.7			4	8190	73.7	98.4	319.7
	-I Z BE	-	20 01 36.8			9				
	E Z BE	-	20 02 48.1			3				
BUH	+I Z GT	P	20 01 45.2				8400	75.5	95.8	318.4
BNS	+I Z FS	P	20 01 50.3	2.5	2.23		8500	76.4	95.5	320.6
	E Z FS	-	20 02 03.5							
AUG 30 GS H= 21 04 30.3 LAT = 30.2 N LONG= 68.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 WEST PAKISTAN										
GRF	E Z BE	P	21 12 57.9			1	5180	46.6	92.8	311.5
AUG 30 GS H= 21 13 48.3 LAT = 32.5 N LONG= 141.7 E DEPTH= 39 KM MAGNITUDE= 4.9 SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	21 26 32.0			1	9690	87.1	40.1	330.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
AUG 30 GS H= 23 08 41.7 LAT = 21.0 S LONG= 178.9 W DEPTH=627 KM MAGNITUDE= 5.1 FIJI ISLANDS REGION										
HOF	+I Z SL	PKP1	23 27 23.-	1.5	2.48	9	16620	149.5	20.0	346.4
	-E Z SL	PKHKP	23 27 30.-	1.5	2.22	5				
BNS	I Z FS	PKP	23 27 23.0	1.2	1.60		16640	149.7	11.2	352.4
	I Z FS	-	23 27 31.6							
GRF	E Z BE	PKP1	23 27 24.8			3	16710	150.2	19.2	346.8
	E Z BE	PKP2	23 27 43.7			2				
FUR	+E Z SL	PKP1	23 27 28.-	1.0	2.12	2	16860	151.7	20.3	345.6
	+I Z SL	PKHKP	23 27 40.-	1.2	2.10	9				
BUH	E Z GT	PKP	23 27 27.7				16880	151.8	14.1	350.1
	E Z GT	PKP	23 27 39.9							
AUG 31 GS H= 02 30 57.9 LAT = 61.1 N LONG= 147.4 W DEPTH= 49 KM MAGNITUDE= 5.1 SOUTHERN ALASKA										
BNS	E Z FS	P	02 41 52.2				7390	66.4	346.9	17.2
GRF	E Z BE	P	02 41 55.5			2	7590	68.2	349.0	14.8
	E Z BE	-	02 42 03.9			2				
BUH	E Z GT	P	02 41 59.0				7650	68.8	347.6	17.0
	I Z GT	P	02 42 07.5							
FUR	-I Z SL	AP	02 42 14.-	1.6	1.74	2	7760	69.7	349.2	15.0
AUG 31 BCS H= 04 57 12.0 LAT = 43.6 N LONG= 45.8 E EASTERN CAUCASUS										
AUG 31 GS H= 04 57 17.0 LAT = 43.5 N LONG= 45.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 EASTERN CAUCASUS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-I Z SL	P	05 02 33.-	1.6	1.88	9	2710	24.3	87.9	292.9
GRF	E Z BE	P	05 02 31.0			1	2710	24.4	91.2	296.7

AUG 31
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	09 00 32.3			1				
	E Z BE	SG	09 01 00.2			2				

AUG 31
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION

HOF	Z SL	MAXIMUM	09 14 36.-	1.5	2.30					

AUG 31
NO DETERMINATION OF EPICENTER

BNS	I Z FS	P	10 56 18.0	1.5	1.85					

AUG 31 GS
H= 23 29 49.4
LAT = 16.1 S
LONG= 172.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
SAMOA ISLANDS REGION

BNS	+I Z FS	PKP	23 49 24.3	1.2	1.78		16150	145.2	359.4	0.4
HOF	+I Z SL	PKP1	23 49 26.-	1.5	1.52	2	16200	145.7	7.5	355.0
GRF	E Z BE	PKP	23 49 28.0			2	16270	146.3	6.4	355.6
BUH	+I Z GT	PKP	23 49 31.6				16400	147.5	1.3	359.1
FUR	+I Z SL	PKP1	23 49 32.-	1.5	1.76	9	16440	147.9	6.8	355.3
	-I Z SL	PKHKP	23 49 36.-	1.8	2.00	3				
	-I Z SL	PKP2	23 49 43.-	2.0	2.05	9				

SEP 01
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	02 51 13.5							

SEP 01
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	02 52 47.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

SEP 01 GS
H= 11 23 54.6
LAT = 13.3 S
LONG= 24.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
ZAMBIA

BUH	E Z GT	P	11 34 22.3				7040	63.3	162.6	348.3
GRF	+E Z BE	P	11 34 25.8			4	7090	63.7	166.0	350.7

SEP 01
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	16 18 50.8			2				

SEP 01 GS
H= 18 07 08.8
LAT = 22.8 S
LONG= 176.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
SOUTH OF FIJI ISLANDS

GRF	E Z BE	PKP	18 27 03.8			1	16960	152.5	15.1	349.4

SEP 01
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	21 35 26.6							

SEP 02 GS
H= 00 29 26.2
LAT = 7.4 N
LONG= 123.7 E
DEPTH=619 KM
MAGNITUDE= 5.3
MINDANAO, PHILIPPINE ISLANDS

GRF	E Z BE	P	00 42 01.0			1	10960	98.6	67.9	322.6
	E Z BE	PPP	00 46 17.0			2				
FUR	-I Z SL	P	00 42 07.-	1.8	2.00	2	11020	99.1	68.2	321.2
	+I Z SL	PP	00 46 20.-	1.9	2.12	9				

SEP 02 GS
H= 07 23 17.1
LAT = 24.9 N
LONG= 63.1 E
DEPTH= 25 KM
MAGNITUDE= 5.3
NEAR COAST OF WEST PAKISTAN

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-I Z SL	P	07 31 46.-	2.0	2.05	2	5190	46.7	100.8	313.6
	-I Z SL	AP	07 31 53.-	2.0	2.24	2				
	-E Z SL	PP	07 33 34.-	1.5	1.49	8				
	-I Z SL	XPP	07 33 47.-	2.0	2.10	3				
GRF	+E Z BE	P	07 31 48.6	1.4	2.00	4	5230	47.0	102.2	315.6
	+E Z BE	AP	07 31 57.0			3				
BUH	E Z GT	P	07 32 00.3				5420	48.7	98.7	313.8

SEP 02 GS
H= 16 06 33.5
LAT = 19.3 S
LONG= 167.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
NEW HEBRIDES ISLANDS REGION

GRF	+E Z BE	PKP	16 26 07.0	1.1	1.49	4	16040	144.2	40.3	333.6
BNS	I Z FS	PKP	16 26 07.8	1.5	1.95		16100	144.8	33.2	338.5
	E Z FS	-	16 26 19.8							
FUR	-I Z SL	PKP1	16 26 10.-	1.3	2.42	9	16160	145.4	41.8	331.8
	+I Z SL	APKP	16 26 22.-	1.5	1.73	3				
	-I Z SL	XPKP	16 26 25.-	1.5	1.79	2				
	+I Z SL	-	16 26 31.-	2.0	2.21	2				
STU	E Z BE	PKP	16 26 11.5	1.0	2.09	4	16210	145.8	38.2	334.4
BUH	-I Z GT	PKP	16 26 12.8				16260	146.3	36.8	335.2

SEP 02 GS
H= 22 02 08.4
LAT = 51.9 N
LONG= 173.7 W
DEPTH= 42 KM
MAGNITUDE= 4.6
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	+E Z BE	P	22 14 08.3			3	8750	78.7	3.1	356.7

SEP 03
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	01 36 45.8

SEP 03 GS
H= 03 23 47.4
LAT = 20.9 S
LONG= 179.0 W
DEPTH=639 KM
MAGNITUDE= 5.4
FIJI ISLANDS REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HOF	-I Z SL	PKP1	03 42 21.-	2.0	2.62	9	16610	149.4	20.2	346.3
	+I Z SL	PKHKP	03 42 27.-	1.5	2.82	9				
	-I Z SL	PKP2	03 42 35.-	1.5	2.42	9				
BNS	-I Z FS	PKP	03 42 27.2	1.0	2.00		16640	149.6	11.4	352.3
	E Z FS	-	03 42 35.0							
GRF	E Z BE	PKP	03 42 22.8			2	16700	150.1	19.4	346.7
	-I Z BE	-	03 42 28.8	0.8	1.78	9				
	I Z BE	-	03 42 37.8			4				
	E Z BE	PP	03 46 14.4			2				
STU	E Z BE	PKP	03 42 24.3	1.2	1.61	2	16840	151.4	16.1	348.7
	-E Z BE	-	03 42 31.6	0.6	2.45	4				
FUR	+I Z SL	PKP1	03 42 24.-	1.8	2.00	9	16850	151.6	20.4	345.5
	-I Z SL	PKHKP	03 42 31.-	1.5	1.76	9				
	+I Z SL	PKP2	03 42 43.-	1.5	1.93	6				
	-E Z SL	APKP	03 44 57.-	1.5	1.49	8				
BUH	E Z GT	PKP	03 42 24.4				16870	151.7	14.3	349.9
	I Z GT	PKP	03 42 32.0							
	I Z GT	PKP	03 42 43.7							

SEP 03
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 03 16.5	2

SEP 03
NO DETERMINATION OF EPICENTER

BNS= LOCAL EXPLOSION.

BNS	I Z FS	PG	14 21 38.8

SEP 04
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	I Z FS	PG	10 29 11.5
	E Z FS	SG	10 29 19.2
	E Z FS	-	10 29 23.0

SEP 04 GS
H= 14 27 53.7
LAT = 30.2 S
LONG= 177.6 W
DEPTH= 16 KM
MAGNITUDE= 4.5
KERMADEC ISLANDS

GRF	E Z BE	PKP	14 48 31.2			2	17720	159.4	22.2	343.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 04 GS H= 17 24 59.4 LAT = 15.0 N LONG= 94.3 W DEPTH= 51 KM MAGNITUDE= 5.2 NEAR COAST OF OAXACA, MEXICO										
HLG	+ Z SL	P	17 37 31.0			4	9450	85.0	288.5	35.2
BNS	+I Z FS	P	17 37 34.0	2.0	2.32		9510	85.6	288.2	38.4
	+I Z SL	-	17 37 34.-	3.0						
	E Z SL	S	17 48 05.-							
	E Z SL	LR	18 04 40.-	50.0						
	Z SL	-	18 12 40.-	21.0						
BUH	E Z GT	P	17 37 40.0				9670	86.9	289.1	40.4
GRF	E Z BE	P	17 37 48.7	1.2	1.66	2	9830	88.4	291.3	38.8
	E Z BE	AP	17 38 00.2			3				
HOF	-I Z SL	P	17 37 49.-	1.5	2.70	9	9850	88.6	291.8	38.0
	-I Z SL	-	17 37 53.-	1.5	2.70	3				
	+E Z SL	AP	17 38 00.-	1.5	2.52	9				
	Z SL	RM	18 15 30.-	20.0	3.95					
FUR	+E N SL	-	17 38 22.-	1.8	1.84	5	9900	89.0	291.4	40.2
	+I N SL	-	17 38 38.-	2.0	2.42	3				
	Z SL	RM	18 14 00.-	21.0	3.47					
SEP 04 GS H= 20 41 55.4 LAT = 30.4 S LONG= 177.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 KERMADEC ISLANDS										
HOF	-I Z SL	PKP1	21 01 49.-	1.0	2.22	5	17650	158.8	23.9	342.5
	+I Z SL	PKP2	21 02 26.-	1.5	2.52	9				
BNS	E Z FS	PKP	21 02 27.5				17690	159.1	12.4	351.0
	E Z FS	-	21 02 44.5							
GRF	E Z BE	PKP1	21 01 49.5			1	17740	159.5	23.0	342.9
	E Z BE	PKP2	21 02 29.8	1.4	2.12	3				
FUR	-E N SL	PKP2	21 02 37.-	1.5	1.58	5	17890	160.9	24.3	341.0
	+I N SL	XPKP	21 02 54.-	1.5	1.72	9				
	-I N SL	-	21 03 24.-	1.8	2.14	9				
BUH	E Z GT	PKP	21 01 52.8				17920	161.1	16.6	347.4
	E Z GT	PKP	21 02 36.4							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 05 GS H= 00 30 53.5 LAT = 40.7 N LONG= 139.6 E DEPTH=191 KM MAGNITUDE= 5.6 NEAR WEST COAST OF HONSHU, JAPAN										
BRN	-E Z ET	P	00 42 23.-	2.5		2	8480	76.3	39.1	329.5
	+E N ET	S	00 51 51.-	3.0		2				
HOF	+I Z SL	P	00 42 35.-	1.5	2.70	9	8730	78.5	37.9	328.8
GRF	-I Z BE	P	00 42 39.3	1.0	2.14	7	8810	79.2	37.4	328.8
	E Z BE	AP	00 43 29.0			3				
BNS	-I Z FS	P	00 42 41.0	1.5	1.85		8860	79.7	34.8	331.7
FUR	+I N SL	P	00 42 47.-	1.8	2.09	2	8940	80.4	37.3	327.8
	+I N SL	-	00 43 16.-	2.0	2.22	2				
	-I N SL	AP	00 43 40.-	2.0	2.27	3				
	+I N SL	XP	00 43 58.-	2.0	2.22	2				
STU	-E Z BE	P	00 42 46.5	1.0	2.09	4	8980	80.8	36.0	329.3
BUH	-I Z GT	P	00 42 49.2				9030	81.2	35.3	329.8
SEP 05 GS H= 01 07 36.4 LAT = 51.7 N LONG= 173.4 W DEPTH= 42 KM MAGNITUDE= 4.9 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+E Z BE	P	01 19 37.4	0.9	1.50	2	8770	78.9	2.9	356.9
BUH	E Z GT	P	01 19 43.0				8890	80.0	1.0	358.9
SEP 05 GS H= 02 29 14.9 LAT = 14.5 S LONG= 175.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 SAMOA ISLANDS REGION										
GRF	E Z BE	PKP	02 48 52.1			2	16060	144.4	11.9	352.1
SEP 05 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	03 39 12.4							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
SEP 05 GS H= 03 44 21.0 LAT = 19.7 S LONG= 177.9 W DEPTH=402 KM MAGNITUDE= 5.0 FIJI ISLANDS REGION									
HOF	+E Z SL	PKP1	04 03 23.-	1.5	1.48	3	16510	148.5	17.8 348.0
	-I Z SL	PKHKP	04 03 28.-	1.5	1.48	2			
BNS	I Z FS	PKP	04 03 22.2	1.2	1.48		16520	148.5	9.2 353.8
	E Z FS	-	04 03 27.3						
GRF	+E Z BE	PKP	04 03 24.1			2	16590	149.2	17.0 348.4
	+I Z BE	-	04 03 30.9	1.0	1.75	4			
	E Z BE	APKP	04 05 13.5			2			
SEP 05 NO DETERMINATION OF EPICENTER									
BNS	E Z FS	-	03 44 43.5						
SEP 05 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	P	04 43 27.5						
	E Z GT	P	04 43 46.4						
SEP 05 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	05 48 29.9			1			
SEP 05 GS H= 08 21 00.8 LAT = 39.4 N LONG= 143.3 E DEPTH= 45 KM MAGNITUDE= 4.3 OFF EAST COAST OF HONSHU, JAPAN									
GRF	E Z BE	P	08 33 17.0			2	9090	81.3	35.5 330.3
SEP 05 GS H= 09 08 14.0 LAT = 44.0 N LONG= 148.3 E DEPTH= 47 KM MAGNITUDE= 4.6 KURIL ISLANDS									
GRF	E Z BE	P	09 20 18.0	0.8	1.30	2	8840	79.5	30.0 333.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
SEP 05 NO DETERMINATION OF EPICENTER									
FUR= LOCAL									
FUR	+E Z SL	-	11 33 06.-	1.5	1.08	3			
	Z SL	MAXIMUM	11 35 43.-	1.5	1.18				
SEP 05 NO DETERMINATION OF EPICENTER									
FUR	-I N SL	-	13 02 20.-	1.2	2.76	4			
SEP 05 GS H= 13 03 13.9 LAT = 39.5 N LONG= 143.1 E DEPTH= 41 KM MAGNITUDE= 5.5 OFF EAST COAST OF HONSHU, JAPAN									
BRN	+E Z ET	P	13 15 12.-			1	8750	78.7	37.3 331.4
	+E N ET	S	13 25 09.-			2			
HLG	+ Z SL	P	13 15 16.0			4	8790	79.1	33.7 335.1
HOF	-I Z SL	P	13 15 25.-	1.5	2.43	2	8930	80.8	36.1 330.8
	-E Z SL	PCP	13 15 31.-	1.5	2.70	3			
	-I Z SL	APCP	13 15 38.-	1.5	2.60	2			
	-E Z SL	XPCP	13 15 46.-	3.0	2.96	1			
	+I Z SL	-	13 15 52.-	3.0	2.96	2			
	Z SL	RM	13 54 30.-	13.0	4.47				
GRF	E Z BE	P	13 15 30.0			3	9070	81.6	35.6 330.7
BNS	+E Z FS	P	13 15 31.3	2.0	2.04		9120	82.0	32.9 333.6
	+I Z SL	-	13 15 32.-						
	E Z FS	PP	13 18 41.8						
	E Z SL	SP	13 26 30.-						
	E Z SL	LR	13 42 00.-	60.0					
	Z SL	-	13 55 30.-	19.0					
FUR	+I Z SL	P	13 15 35.-	1.5	1.43	8	9210	82.8	35.5 329.8
	+I Z SL	PCP	13 15 39.-	2.0	2.10	1			
	+I Z SL	APCP	13 15 48.-	1.5	1.76	2			
	-I Z SL	XP	13 15 53.-	1.3	1.79	8			
	+I Z SL	XPCP	13 15 58.-	2.0	2.10	2			
	-I Z SL	-	13 16 06.-	2.0	2.27	3			
	Z SL	RM	13 56 00.-	15.0	4.30				
STU	E Z BE	P	13 15 36.8	0.9	2.07	2	9240	83.1	34.2 331.3
BUH	E Z GT	P	13 15 39.2				9290	83.6	33.5 331.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 05 GS										
H= 14 09 00.2										
LAT = 39.5 N										
LONG= 143.2 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	14 21 16.8			2	9080	81.6	35.6	330.8
SEP 05 GS										
H= 14 43 37.1										
LAT = 20.3 S										
LONG= 174.1 W										
DEPTH= 65 KM										
MAGNITUDE= 4.4										
TONGA ISLANDS										
GRF	E Z BE	PKP	15 03 25.6			2	16790	151.0	10.3	352.9
SEP 05 GS										
H= 15 47 13.9										
LAT = 39.3 N										
LONG= 143.2 E										
DEPTH= 52 KM										
MAGNITUDE= 4.4										
OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	15 59 34.6			2	9090	81.8	35.7	330.8
SEP 05 GS										
H= 16 03 37.2										
LAT = 39.5 N										
LONG= 143.3 E										
DEPTH= 18 KM										
MAGNITUDE= 4.5										
OFF EAST COAST OF HONSHU, JAPAN										
GRF	+E Z BE	P	16 15 56.3			2	9080	81.7	35.5	330.8
SEP 05 GS										
H= 20 18 03.4										
LAT = 39.5 N										
LONG= 143.1 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.2										
OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	20 30 20.3			2	9070	81.6	35.6	330.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 06 GS										
H= 01 05 50.3										
LAT = 4.4 N										
LONG= 94.9 E										
DEPTH= 41 KM										
MAGNITUDE= 4.8										
OFF W. COAST OF NORTHERN SUMATRA										
GRF	E Z BE	P	01 18 10.4			1	9180	82.6	92.0	319.4
SEP 06 GS										
H= 01 23 40.5										
LAT = 0.3 N										
LONG= 98.1 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
NORTHERN SUMATRA										
GRF	E Z BE	P	01 36 28.2			1	9750	87.7	92.2	319.5
SEP 06										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	04 44 45.6	1.2	1.00					
SEP 06 GS										
H= 10 59 36.7										
LAT = 61.0 N										
LONG= 146.8 W										
DEPTH= 29 KM										
MAGNITUDE= 5.5										
SOUTHERN ALASKA										
BNS	+I Z FS	P	11 10 25.5	1.8	1.70		7390	66.4	346.5	17.6
	E Z FS	-	11 10 33.2							
HOF	-E Z SL	P	11 10 33.-	1.5	2.48	3	7530	67.7	343.0	14.6
	+E Z SL	AP	11 10 42.-	2.0	2.62	2				
GRF	E Z BE	P	11 10 36.0			2	7590	68.2	348.7	15.2
	E Z BE	AP	11 10 44.2			3				
BUH	E Z GT	P	11 10 39.0				7650	68.8	347.3	17.4
FUR	+I Z SL	P	11 10 46.-	1.5	1.59	3	7750	69.7	348.8	15.4
	-I Z SL	AP	11 10 54.-	1.5	1.54	9				
	+I Z SL	XP	11 10 57.-	1.5	1.54	2				
	+E Z SL	PP	11 13 25.-	1.8	1.78	2				
SEP 06										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	11 16 00.2			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
			SEP 06							
			NO DETERMINATION OF EPICENTER							
FUR	+E Z SL	-	13 50 25.-	1.3	1.75	3				
	Z SL	MAXIMUM	13 51 20.-	1.3	1.66					
			SEP 06							
			NO DETERMINATION OF EPICENTER							
BNS	E Z FS	SG	16 04 51.8							
			SEP 06							
			NO DETERMINATION OF EPICENTER							
			FUR= LOCAL							
FUR	+E Z SL	-	16 36 30.-	1.0	1.76	3				
	Z SL	MAXIMUM	16 37 10.-	1.3	2.06					
			SEP 07 BCS							
			H= 00 11 25.0							
			LAT = 51.7 N							
			LONG= 7.8 E							
			DEPTH= 0 KM (GEOPHYSICIST)							
			GERMANY							
			BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. FELT IN THE REGION OF HAMM. MLOC= 2.5, MLGH= 2.0 (BNS).							
BOC	-I Z B4	PN	00 11 32.9	0.5	2.30	3	50	0.4	59.2	239.7
BNS	E Z FS	PG	00 11 41.0				100	0.9	28.4	208.9
	I Z FS	-	00 11 41.7							
	E E X	SG	00 11 54.0	0.8	2.04					
	E E X		00 12 03.0	1.3	2.62					
	E Z FS	-	00 12 05.0	1.5	2.43					
TNS	+E Z B	PN	00 11 52.0				170	1.5	345.6	165.2
	Z B	SN	00 12 12.0							
GRF	E Z BE	PG	00 12 12.0			1	330	3.0	314.6	131.9
	E N BE	SG	00 12 55.6			1				
BUH	E Z GT	PN	00 12 12.3				340	3.1	355.4	175.1
			SEP 07 GS							
			H= 00 53 16.3							
			LAT = 39.5 N							
			LONG= 143.1 E							
			DEPTH= 28 KM							
			MAGNITUDE= 4.1							
			OFF EAST COAST OF HONSHU, JAPAN							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	01 11 34.3			1	9080	81.6	35.6	330.8
			SEP 07							
			NO DETERMINATION OF EPICENTER							
			FUR= LOCAL.							
FUR	-E Z SL	-	08 31 16.-	1.5	1.18	4				
	Z SL	MAXIMUM	08 32 05.-	1.5	1.36					
			SEP 07 GS							
			H= 09 31 14.8							
			LAT = 5.6 S							
			LONG= 151.5 E							
			DEPTH= 61 KM							
			MAGNITUDE= 5.5							
			NEW BRITAIN REGION							
GRF	+E Z BE	PKP	09 50 09.5			2	13880	124.8	50.8	329.6
FUR	+I Z SL	PKP1	09 50 11.-	1.0	2.12	7	13980	125.8	51.7	328.1
	-E Z SL	-	09 50 20.-	1.5	1.36	2				
	Z SL	RM	10 45 30.-	22.0	2.92					
BUH	E Z GT	PKP	09 50 13.5				14120	127.0	48.2	330.3
			SEP 07 BCS							
			H= 11 15 44.0							
			LAT = 82.0 N							
			LONG= 4.0 W							
			NORTH OF SVALBARD							
			SEP 07 GS							
			H= 11 15 47.0							
			LAT = 81.9 N							
			LONG= 1.4 W							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 4.6							
			NORTH OF SVALBARD							
GRF	E Z BE	P	11 22 17.5			2	3650	32.8	356.1	161.6
			SEP 07 GS							
			H= 11 27 13.2							
			LAT = 19.5 N							
			LONG= 108.5 W							
			DEPTH= 33 KM (NORMAL)							
			MAGNITUDE= 5.0							
			REVILLA GIGEDO ISLANDS REGION							
GRF	E Z BE	PP	11 44 15.6			1	10340	93.0	304.9	34.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 07 GS H= 13 58 33.6 LAT = 5.5 S LONG= 151.1 E DEPTH= 71 KM MAGNITUDE= 5.6 NEW BRITAIN REGION										
GRF	E Z BE	PKP	14 17 26.2			2	13850	124.6	51.2	329.5
	E Z BE	PP	14 19 16.0			1				
FUR	+E Z SL	PKP1	14 17 27.-	1.8	1.78	6	13950	125.5	52.1	328.0
	-I Z SL	XPKP	14 17 53.-	1.5	1.28	3				
	Z SL	RM	15 12 00.-	22.0	3.32					
BUH	E Z GT	PKP	14 17 30.0				14090	126.7	48.5	330.1
SEP 07 NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
BUH	E Z GT	PN	14 35 45.0							
FUR	+E Z SL	-	14 36 04.-	1.3	1.49	4				
	Z SL	MAXIMUM	14 37 40.-	1.5	1.36					
GRF	E Z BE	P	14 36 04.5			1				
SEP 07 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	15 31 39.5							
SEP 07 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 28 07.9							
SEP 07 GS H= 18 47 14.4 LAT = 39.9 N LONG= 143.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	18 59 30.6			2	9050	81.4	35.2	330.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 07 GS H= 19 37 51.8 LAT = 45.8 N LONG= 26.5 E DEPTH=140 KM MAGNITUDE= 4.6 RUMANIA										
SEP 07 BCS H= 19 37 52.0 LAT = 45.9 N LONG= 26.8 E DEPTH= 85 KM RUMANIA										
FUR	-E Z SL	P	19 40 23.-	1.5	1.59	9	1130	10.7	97.2	288.3
	+I Z SL	-	19 40 33.-	1.9	2.16	3				
HOF	+I Z SL	P	19 40 24.-	2.0	2.62	9	1200	10.8	109.2	300.1
	+E Z SL	-	19 40 32.-	1.5	2.22	5				
GRF	E Z BE	P	19 40 26.8			1	1220	11.0	105.0	296.3
BUH	E Z GT	P	19 40 48.5				1420	12.7	96.2	289.6
SEP 08 GS H= 01 13 52.2 LAT = 51.3 N LONG= 179.2 W DEPTH= 54 KM MAGNITUDE= 4.9 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+E Z BE	P	01 25 52.1	0.8	1.28	2	8780	79.0	6.7	353.1
BUH	E Z GT	P	01 25 58.4				8920	80.2	4.7	355.0
SEP 08 BCS H= 02 01 13.0 LAT = 36.2 N LONG= 31.3 E DEPTH= 60 KM TURKEY										
GRF	E Z BE	P	02 05 38.5			1	2210	19.9	125.2	319.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 08 GS										
H= 04 23 26.4										
LAT = 34.5 N										
LONG= 139.4 E										
DEPTH= 9 KM										
MAGNITUDE= 4.7										
NEAR S. COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	04 36 01.0			1	9390	84.4	40.7	329.1
SEP 08 GS										
H= 07 25 43.9										
LAT = 33.2 N										
LONG= 86.7 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.5										
TIBET										
BRN	-I Z ET	P	07 35 13.4	4.3	2.81	4	6090	54.8	79.7	314.0
HOF	+I Z SL	P	07 35 21.-	6.0	3.47	9	6230	56.0	77.3	311.7
	+E Z SL	PP	07 37 27.-	6.0	3.07	2				
	-E Z SL	PPP	07 38 41.-	2.0	2.62	3				
	Z SL	RM	08 01 50.-	12.0	4.03					
GRF	E Z BE	P	07 35 25.4							
	E Z BE	-	07 35 26.8	1.1	1.88	1	6290	56.6	76.5	311.1
	E Z BE	-	07 35 57.4			4				
	E Z BE	PP	07 37 32.6			2				
						2				
FUR	-I Z SL	P	07 35 28.-	1.8	2.54	9	6330	56.9	75.5	309.3
	+I Z SL	-	07 35 34.-	1.5	1.89	2				
	-I Z SL	XP	07 35 41.-	1.5	1.98	4				
	+I Z SL	PP	07 37 38.-	1.5	1.54	5				
	Z SL	RM	08 01 00.-	25.0	3.94					
HLG	- Z SL	P	07 35 32.0			4	6400	57.6	77.0	316.9
STU	-E Z BE	P	07 35 36.2	1.6	2.40	2	6460	58.1	74.6	310.4
TNS	? Z SL	P	07 35 37.-			2	6470	58.2	75.0	312.2
BUH	-I Z GT	P	07 35 40.5				6530	58.7	73.3	310.5
BNS	-I Z FS	P	07 35 40.8	2.2	1.90					
	-I Z SL	-	07 35 41.0	9.0			6530	58.8	74.6	313.3
	E Z SL	-	07 35 53.-							
	E Z SL	PP	07 39 04.-							
	E Z SL	LR	07 56 30.-	32.0						
	Z SL	-	08 05 40.-	12.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 08 GS										
H= 07 46 52.7										
LAT = 3.3 S										
LONG= 74.2 W										
DEPTH=168 KM										
MAGNITUDE= 5.6										
PERU-BRAZIL BORDER REGION										
BUH	E Z GT	P	07 59 39.4				10140	91.2	258.8	41.1
STU	-E Z BE	P	07 59 43.1	1.4	2.48	3	10220	91.9	259.6	41.1
FUR	+I Z SL	P	07 59 48.-	1.5	1.89	9	10360	93.1	261.1	41.9
	-I Z SL	AP	08 00 27.-	1.8	1.90	4				
GRF	E Z BE	P	07 59 49.0	1.7	2.19	2	10380	93.3	261.1	40.4
	E Z BE	AP	08 00 40.7			2				
HOF	+I Z SL	P	07 59 53.-	3.0	2.93	3	10430	93.8	261.7	39.9
SEP 08 GS										
H= 07 59 31.2										
LAT = 33.2 N										
LONG= 86.7 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
TIBET										
GRF	E Z BE	P	08 09 13.8			2	6290	56.6	76.6	311.1
FUR	+I Z SL	P	08 09 16.-	2.0	2.10	9	6330	56.9	75.6	309.4
BUH	E Z GT	P	08 09 27.5				6530	58.8	74.0	310.6
SEP 08 GS										
H= 19 41 31.8										
LAT = 15.5 S										
LONG= 166.0 E										
DEPTH= 41 KM										
MAGNITUDE= 4.9										
NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	20 01 08.4			1	15580	140.1	40.0	334.4
SEP 08 GS										
H= 19 41 32.0										
LAT = 29.2 S										
LONG= 178.5 W										
DEPTH=142 KM										
MAGNITUDE= 4.9										
KERMADEC ISLANDS										
GRF	E Z BE	PKP	20 01 47.9			3	17600	158.2	23.5	342.7
FUR	-I Z SL	PKP?	20 01 54.-	1.3	1.79	8	17750	159.6	25.3	340.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PKP	20 01 12.0				17780	159.9	17.4	346.9
SEP 09 GS H= 02 13 39.4 LAT = 31.6 N LONG= 100.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 SZECHWAN PROVINCE, CHINA										
BRN	-I Z ET	P	02 24 10.8			2	7090	63.8	71.7	317.0
HOF	+I Z SL	P	02 24 20.-	1.5	2.52	9	7260	65.3	69.8	315.1
GRF	E Z BE	P	02 24 23.8	1.4	1.95	2	7330	65.9	69.1	314.6
FUR	-I Z SL	P	02 24 28.-	1.8	2.40	9	7380	66.4	68.5	313.1
	+I Z SL	AP	02 24 37.-	1.5	1.36	2				
	+I Z SL	XP	02 24 41.-	1.5	1.28	5				
	-I Z SL	PCP	02 24 58.-	1.5	1.28	5				
	+I Z SL	APCP	02 25 08.-	1.5	1.43	1				
BNS	E Z FS	P	02 24 35.5	2.3	2.00		7540	67.8	66.9	317.0
BUH	E Z GT	P	02 24 37.4				7570	68.1	66.8	314.4
SEP 09 GS H= 02 42 33.1 LAT = 31.5 N LONG= 100.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 SZECHWAN PROVINCE, CHINA										
GRF	E Z BE	P	02 53 18.5			1	7340	66.0	69.2	314.7
SEP 09 GS H= 05 16 31.7 LAT = 39.9 N LONG= 143.5 E DEPTH= 23 KM MAGNITUDE= 4.6 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	05 28 49.0			2	9050	81.4	35.1	330.9
SEP 09 GS H= 08 37 14.8 LAT = 7.1 S LONG= 12.8 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 ASCENSION ISLAND REGION										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	08 42 09.0				6510	58.6	204.7	16.2
FUR	+I Z SL	P	08 42 13.-	1.3	1.89	9	6560	59.0	208.2	18.6
	-I Z SL	-	08 42 19.-	1.5	1.59	9				
	+I Z SL	AP	08 42 22.-	1.0	1.98	5				
	+I Z SL	XP	08 42 26.-	1.3	2.06	8				
	-I Z SL	-	08 42 35.-	1.8	2.00	2				
	-I Z SL	PCP	08 43 03.-	1.8	1.78	2				
	Z SL	RM	09 08 30.-	17.0	3.21					
GRF	E Z BE	P	08 42 21.5			2	6710	60.3	207.8	17.7
	E Z BE	-	08 42 29.9			2				
BNS	I Z FS	P	08 42 23.0	2.0	1.60		6710	60.4	203.0	14.4
	E Z FS	-	08 42 35.3							
SEP 09 GS H= 18 25 49.4 LAT = 39.5 N LONG= 143.1 E DEPTH= 23 KM MAGNITUDE= 5.7 OFF EAST COAST OF HONSHU, JAPAN										
BRN	+E Z ET	P	18 37 51.5	4.0	2.81	3	8740	78.6	37.2	331.4
	-E N ET	S	18 47 49.-			2				
HAM	E Z SX	P	18 37 56.-			4	8780	79.0	35.0	333.6
HOF	-E Z SL	P	18 38 03.-	2.0	2.92	9	8990	80.8	36.1	330.8
	-I Z SL	PCP	18 38 08.-	2.0	2.92	9				
	-I Z SL	AP	18 38 12.-	2.0	2.80	1				
	-I Z SL	XP	18 38 16.-	2.0	2.83	2				
	-I Z SL	XPCP	18 38 26.-	2.5	3.00	3				
	-E Z SL	APP	18 41 13.-	8.0	3.41	2				
	Z SL	RM	19 18 50.-	15.0	4.58					
GRF	+E Z BE	P	18 38 07.5			3	9070	81.6	35.6	330.8
	-I Z BE	-	18 38 09.2	1.0	2.03	9				
	E Z BE	PP	18 41 51.2			1				
BNS	+E Z FS	P	18 38 08.5	2.2	2.08		9120	82.0	32.9	333.6
	+E Z SL	-	18 38 09.-	16.0						
	E Z SL	PP	18 41 16.-							
	E Z SL	SP	18 49 12.-							
	E Z SL	LR	19 05 00.-	55.0						
	Z SL	-	19 18 00.-	19.0						
TNS	1 Z SL	P	18 38 10.-			2	9140	82.2	33.7	332.5
FUR	+I Z SL	P	18 38 13.-	1.5	1.28	1	9210	82.8	35.5	329.8
	-I Z SL	PCP	18 38 18.-	2.0	2.40	4				
	-I Z SL	AP	18 38 22.-	2.2	2.57	1				
	+I Z SL	XP	18 38 26.-	2.0	2.64	1				
	-I Z SL	XPCP	18 38 34.-	1.0	2.48	9				
	+I Z SL	PP	18 41 24.-	1.5	1.54	2				
	+I Z SL	APP	18 41 33.-	2.0	2.05	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	Z SL	RM	19 21 00.-	13.0	4.16					
BUH	E Z GT	P	18 38 16.8				9290	83.5	33.5	331.8

SEP 09 GS
H= 20 03 11.9
LAT = 39.4 N
LONG= 143.3 E
DEPTH= 28 KM
MAGNITUDE= 5.0
OFF EAST COAST OF HONSHU, JAPAN

HOF	-E Z SL	P	20 21 27.-	2.0	2.58	2	9010	81.0	36.1	330.8
	+E Z SL	XP	20 21 36.-	2.0	2.62	3				
	Z SL	RM	21 02 30.-	14.0	3.62					
GRF	+E Z BE	P	20 21 30.3	0.9	1.51	2	9090	81.7	35.6	330.8
	E Z BE	AP	20 21 41.0			4				
BNS	E Z FS	P	20 21 33.-							
	E Z FS	-	20 21 41.5				9130	82.1	32.9	333.7
FUP	-I Z SL	P	20 21 37.-	1.8	1.95	9	9230	83.0	35.5	329.9
	+I Z SL	AP	20 21 47.-	2.0	2.21	2				
	Z SL	RM	21 02 00.-	17.0	3.45					
BUH	E Z GT	P	20 21 30.5				9310	83.7	33.4	331.9

SEP 09 GS
H= 20 17 16.4
LAT = 35.0 S
LONG= 109.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
EASTER ISLAND CORDILLERA

GRF	E Z BE	PKP	20 36 16.8			1	15010	135.0	265.8	52.1
	E Z BE	PKP	20 36 22.4			1				
HOF	-E Z SL	PKP1	20 36 33.-	3.0	2.48	5	15060	135.4	266.9	51.2

SEP 09 GS
H= 20 53 04.1
LAT = 14.5 S
LONG= 66.0 E
DEPTH= 33 KM (NORMAL)
MID-INDIAN RISE

FUR	+E Z SL	AP	21 05 17.-	1.8	1.95	9	8790	79.1	126.3	326.2
	-I Z SL	XP	21 05 21.-	2.0	2.00	8				
GRF	E Z BE	P	21 05 22.0			1	8900	80.0	126.5	327.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

SEP 09
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	22 39 34.9							

SEP 10 GS
H= 03 02 04.2
LAT = 38.5 N
LONG= 39.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
TURKEY

SEP 10 BCS
H= 03 02 10.0
LAT = 38.4 N
LONG= 39.6 E
TURKEY

FUR	-I Z SL	P	03 07 05.-	1.5	1.93	6	2520	22.7	104.8	304.4
	+I Z SL	-	03 07 08.-	2.0	2.35	2				
	-I Z SL	AP	03 07 14.-	1.5	1.66	2				
	-I Z SL	XP	03 07 17.-	1.5	1.59	2				
	-I Z SL	-	03 07 20.-	1.3	2.00	2				
	+I Z SL	PP	03 07 33.-	1.1	1.93	6				
	-I Z SL	PPP	03 07 42.-	1.3	1.79	2				
	-I Z SL	-	03 07 50.-	1.5	1.59	3				
	-I Z SL	-	03 08 02.-	1.8	2.00	2				
HOF	+I Z SL	P	03 07 06.-	2.0	2.58	3	2550	22.9	110.4	310.0
	-I Z SL	-	03 08 12.-	2.0	2.62	2				
GRF	E Z BE	P	03 07 08.8	1.2	2.14	2	2570	23.1	108.2	308.2
BUH	E Z GT	P	03 07 23.0				2750	24.8	102.5	304.5
BNS	E Z FS	P	03 07 35.3	1.4	1.30		2890	26.0	106.0	309.2

SEP 10 GS
H= 04 41 11.5
LAT = 33.7 N
LONG= 132.6 E
DEPTH= 55 KM
MAGNITUDE= 4.3
SHIKOKU, JAPAN

GRF	E Z BE	P	04 53 39.5			2	9130	82.1	45.9	326.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 10 GS H= 06 53 34.7 LAT = 57.3 N LONG= 154.1 W DEPTH= 28 KM MAGNITUDE= 4.7 KODIAK ISLAND REGION										
GRF	E Z BE	P	07 05 02.1			2	8080	72.7	351.7	9.9
BUH	E Z GT	P	07 05 06.3				8160	73.4	350.1	12.1
SEP 10 GS H= 07 00 32.7 LAT = 39.3 N LONG= 143.5 E DEPTH= 18 KM MAGNITUDE= 4.3 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	07 13 00.7			1	9100	81.9	35.4	330.9
SEP 10 GS H= 07 43 30.5 LAT = 42.5 N LONG= 130.9 E DEPTH=532 KM MAGNITUDE= 6.0 E. RUSSIA-N.E. CHINA BORDER REG.										
BRN	-I Z ET	P	07 53 57.2	3.6	3.39	9	7930	71.3	43.8	325.1
	-I Z ET	AP	07 55 52.5	4.2	3.29	7				
	+I E ET	S	08 02 29.0	5.0	3.69	9				
HAM	-I Z SX	P	07 54 01.6			9	7990	71.9	41.9	327.4
	-E E WI	S	08 02 37.-			9				
HLG	-I Z SL	P	07 54 02.0			3	8020	72.1	40.7	328.8
HOF	+I Z SL	P	07 54 07.-	2.0	3.87	9	8160	73.4	42.5	324.2
	+I Z SL	PCP	07 54 26.-	1.8	2.97	3				
	+I Z SL	AP	07 56 06.-	6.0	3.97	8				
	+I Z SL	PP	07 57 05.-	2.0	3.32	3				
	-E Z SL	S	08 02 56.-	6.0	3.37	3				
	Z SL	RM	08 23 40.-	12.0	4.48					
GRF	-I Z BE	P	07 54 14.1	1.0	3.16	9	8240	74.1	41.9	324.1
	E Z BE	APCP	07 56 12.5			9				
	I Z BE	PP	07 57 12.0			9				
BOC	-I Z B4	P	07 54 15.3	1.8	3.70	4	8280	74.4	39.7	327.3
	-I E B4	S	08 03 03.6	4.0	4.13	6				
BNS	-I Z FS	P	07 54 17.3	1.4	2.83		8330	74.9	39.6	327.0
	-I E X	S	08 03 07.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
TNS	2I Z SL	P	07 54 18.0			7	8330	74.9	40.3	325.9
	I Z SL	AP	07 56 15.5			6				
	I Z SL	PP	07 57 18.0			6				
	N SL	S	08 03 08.0			6				
	N SL	SCS	08 03 36.0			6				
	E SL	XS	08 06 40.-			3				
FUR	-I Z SL	P	07 54 20.-	1.5	2.92	9	8370	75.3	41.7	323.0
	-I Z SL	PCP	07 54 33.-	1.8	2.54	2				
	-I Z SL	APCP	07 56 15.-	3.0	3.33	3				
	-I Z SL	PP	07 57 16.-	1.8	2.70	3				
	-E Z SL	SP	08 03 48.-	2.0	2.64	9				
	Z SL	PM	08 30 30.-	17.0	3.79					
KRL	-I Z WH	P	07 54 24.0	3.5		9	8440	75.9	40.1	325.1
	-I Z ST	P	07 54 24.0	1.0		9				
BUH	-I Z GT	P	07 54 24.6				8470	76.2	39.9	324.9
SEP 10 NO DETERMINATION OF EPICENTER HOF= EXPLOSION.										
HOF	-I Z SL	-	10 51 55.-	1.0	2.80	9				
SEP 10 GS H= 16 56 17.7 LAT = 39.5 N LONG= 143.5 E DEPTH= 30 KM MAGNITUDE= 4.6 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	17 08 35.8			2	9090	81.8	35.4	330.9
SEP 11 GS H= 10 18 46.2 LAT = 3.4 S LONG= 68.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 CHAGOS ARCHIPELAGO REGION										
GRF	E Z BE	P	10 30 06.7			2	8010	72.0	118.4	325.1
SEP 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	11 30 31.5			1				
SEP 11 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	14 37 23.1			1				

SEP 11
NO DETERMINATION OF EPICENTER

BNS= LOCAL EXPLOSION.

BNS	I Z FS	PG	14 41 03.1							

SEP 11
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	17 02 00.1							

SEP 11 GS
H= 18 54 49.0
LAT = 39.6 N
LONG= 143.2 E
DEPTH= 29 KM
MAGNITUDE= 4.4
OFF EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	19 07 06.2			2	9070	81.5	35.5	330.8

SEP 11 GS
H= 23 18 50.8
LAT = 25.6 N
LONG= 124.5 E
DEPTH=141 KM
MAGNITUDE= 5.8
NORTHEAST OF TAIWAN

BRN	-I Z ET	P	23 30 56.4	4.8	3.15	9	9120	82.0	58.1	324.8
	-E Z ET	AP	23 31 32.5			2				
	-E Z ET	PP	23 34 06.-	3.5		3				
HAM	E Z SX	P	23 31 02.-			6	9240	83.1	55.8	326.8
HOF	+I Z SL	P	23 31 06.-	3.0	3.73	8	9320	83.8	56.9	323.5
	+E Z SL	APCP	23 31 43.-	4.0	3.14	9				
	+I Z SL	PP	23 34 21.-	4.0	3.02	5				
	+E Z SL	XPP	23 35 13.-	3.0	2.78	9				
	Z SL	PM	00 15 30.-	17.0	4.19					
GRF	-E Z BE	P	23 31 09.0	2.2	3.04	2	9400	84.5	56.4	323.2
	E Z BE	AP	23 31 53.1							
FUR	-I Z SL	P	23 31 13.-	2.6	3.93	9	9490	85.3	56.3	321.9
	-I Z SL	-	23 31 28.-	1.5	1.86	4				
	-I Z SL	AP	23 31 50.-	1.9	2.35	4				
	+I Z SL	XP	23 32 05.-	2.0	2.42	2				
	+I Z SL	XPCP	23 32 12.-	1.5	1.86	2				
	-E Z SL	PP	23 34 32.-	3.6	1.92	4				
	-E Z SL	APP	23 35 08.-	2.6	2.57	9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-E Z SL	XPP	23 35 25.-	2.6	2.43	2				
	Z SL	PM	00 15 30.-	19.0	3.46					
TNS	2I Z SL	P	23 31 15.0			6	9530	85.7	54.4	324.6
	Z SL	PCP	23 31 25.-							
	E Z SL	PP	23 34 36.-			2				
	E N SL	S	23 41 27.-			2				
BNS	-I Z FS	P	23 31 16.2	2.8	2.94		9550	85.9	53.5	325.7
	-I Z SL	-	23 31 16.2	8.0						
	E Z SL	PP	23 34 36.-							
	E Z SL	S	23 42 36.-							
	E Z SL	LR	00 00 00.-	64.0						
STU	-E Z BE	P	23 31 17.0	1.5	2.68	4	9580	86.1	54.9	323.2
BUH	-I Z GT	P	23 31 19.5				9640	86.7	54.2	323.5

SEP 12 GS
H= 01 26 48.6
LAT = 36.5 N
LONG= 26.9 E
DEPTH=152 KM
MAGNITUDE= 4.2
DODECANESE ISLANDS

SEP 12 BCS
H= 01 26 50.0
LAT = 36.6 N
LONG= 27.0 E
DEPTH=145 KM
DODECANESE ISLANDS

GRF	E Z BE	P	01 30 42.4			2	1930	17.4	133.2	324.0
BUH	E Z GT	P	01 30 53.1				2030	18.3	124.7	317.4

SEP 12 GS
H= 06 59 54.3
LAT = 73.3 N
LONG= 55.2 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 6.8
NOVAYA ZEMLYA

SEP 12 BCS
H= 07 00 00.0
LAT = 73.3 N
LONG= 54.0 E
DEPTH= 0 KM (GEOPHYSICIST)
NOVAYA ZEMLYA

BCIS= ARTIFICIAL. NOS= FELT (V) AT PORI, KOUVOLA AND TIKKURILA AND AT ROVANIEME, FINLAND.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
HLG	+I Z SL	P	07 05 40.3			3	3020	27.2	27.7 251.1
	+ Z SL	S	07 10 44.0			2			
HAM	+I Z SX	P	07 05 41.3			9	3030	27.2	26.6 248.0
BRN	+I Z ET	P	07 05 42.3	2.4	3.83	9	3040	27.3	24.9 243.1
HOF	-I Z SL	P	07 06 03.-	1.5	4.29	9	3290	29.6	23.7 242.9
	E SL	OM	07 16 10.-	3.5	4.35				
BOC	+I Z B4	P	07 06 03.9	1.0	4.18	9	3310	29.8	25.6 249.3
BNS	+I Z FS	P	07 06 08.2	0.9	3.81		3360	30.2	25.2 248.9
	+I Z SL	-	07 06 08.2	4.0					
	E Z SL	-	07 15 40.-						
	E Z SL	-	07 20 40.-						
	Z SL	-	07 21 36.-	12.0					
GRF	+I Z BE	P	07 06 09.8			9	3370	30.3	23.4 243.2
TNS	1I Z SL	P	07 06 11.5			9	3400	30.6	24.4 246.8
	I Z SL	PP	07 06 45.0			9			
	I N SL	S	07 10 57.5			5			
	N SL	SS	07 13 05.0			5			
STU	+I Z BE	P	07 06 21.0	1.0	3.11	9	3530	31.7	23.3 244.8
	+I Z SL	-	07 06 21.2	4.8	3.56	4			
FUR	+I E SL	P	07 06 23.-	1.8	2.59	9	3530	31.7	22.4 242.0
	Z SL	OM	07 18 40.-	2.8	3.90				
BUH	+I Z GT	P	07 06 24.2				3560	32.0	23.5 245.9

SEP 12
NO DETERMINATION OF EPICENTER

FUR	-I Z SL	P	07 37 55.-	1.5	1.79	5			
	+I Z SL	-	07 39 03.-	1.5	1.36	6			

SEP 12
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 41 01.1			3			

SEP 12
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 43 28.7			2			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.

SEP 12 GS
H= 09 36 50.5
LAT = 40.7 N
LONG= 21.0 E
DEPTH= 93 KM
MAGNITUDE= 4.6
GREECE

SEP 12 BCS
H= 09 36 52.0
LAT = 40.7 N
LONG= 21.0 E
DEPTH= 30 KM
GREECE

FUR	-E Z SL	-	09 40 21.-	1.5	1.18	1	1130	10.2	133.4 320.2
	+E Z SL	S	09 41 16.-	1.2	1.70	1			
	Z SL	PM	09 42 00.-	1.8	2.00				
GRF	E Z BE	P	09 39 28.8			1	1250	11.3	138.8 325.7
	E Z BE	-	09 40 04.2			2			
	E N BE	S	09 41 28.9			1			

SEP 12
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	Z SL	MAXIMUM	11 11 20.-	1.8	2.15				

SEP 12 GS
H= 20 12 25.1
LAT = 45.9 N
LONG= 149.5 E
DEPTH=164 KM
MAGNITUDE= 4.8
KURIL ISLANDS

GRF	+E Z BE	P	20 24 07.2	0.4	1.24	3	8680	78.1	28.4 333.8
FUR	-I Z SL	P	20 24 15.-	1.5	1.36	6	8830	79.4	28.2 333.0

SEP 13 GS
H= 06 19 45.8
LAT = 9.2 N
LONG= 126.1 E
DEPTH= 68 KM
MAGNITUDE= 5.8
MINDANAO, PHILIPPINE ISLANDS

HOF	-I Z SL	P	06 33 16.-	2.0	2.62	5	10890	98.0	65.4 323.8
GRF	E Z BE	P	06 33 18.7			2	10970	98.6	64.9 323.4
	E Z BE	-	06 36 32.4			1			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	+I Z SL	P	06 33 21.-	1.5	1.59	9	11030	99.2	65.2	322.0
	+I Z SL	XP	06 33 52.-	1.5	1.36	2				
	+I Z SL	APP	06 37 43.-	1.7	1.76	2				
	+I Z SL	XPP	06 37 51.-	1.5	1.36	3				

SEP 13 GS
H= 06 40 38.8
LAT = 39.0 N
LONG= 70.6 E
DEPTH= 47 KM
MAGNITUDE= 4.5
TADZHIK SSR

GRF	E Z BE	P	06 48 34.0			2	4750	42.7	81.1	304.6

SEP 13
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	Z SL	MAXIMUM	08 09 50.-	1.5	1.49					

SEP 13
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	13 13 25.2	1.5	1.48					
	E 7 FS	-	13 13 30.-							

SEP 13 GS
H= 17 19 52.4
LAT = 43.0 N
LONG= 145.0 E
DEPTH=103 KM
MAGNITUDE= 4.2
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	17 31 48.0			2	8810	79.2	32.6	331.5

SEP 14
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	05 52 51.9							

SEP 14 GS
H= 11 29 55.9
LAT = 38.3 N
LONG= 70.4 E
DEPTH= 86 KM
MAGNITUDE= 4.6
AFGHANISTAN-USSR BORDER REGION

GRF	E Z BE	P	11 37 52.0			1	4780	43.0	82.1	305.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

SEP 14 GS
H= 12 39 31.3
LAT = 17.9 S
LONG= 178.7 W
DEPTH=580 KM
MAGNITUDE= 4.4
FIJI ISLANDS REGION

GRF	E Z BE	PKP	12 58 12.0			2	16380	147.3	17.7	348.0

SEP 14
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION.

NFB= QUARRYBLAST AT DORHEIM/HESSEN. SHOTPOINT NO. 13.
H= 15 05 00.83, 50 DEG. 57 MIN. 52.8 SEC. N, 9 DEG. 13 MIN. 9 SEC. E,
HEIGHT= 320 METERS, CHARGE= 3.1 TONS.

HOF	-I Z SL	P	15 05 18.-	1.5	2.52	5				

SEP 14
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PG	17 18 52.5							

SEP 15 GS
H= 01 45 57.7
LAT = 63.9 N
LONG= 22.2 W
DEPTH= 1 KM
MAGNITUDE= 5.3
ICELAND REGION

SEP 15 BCS
H= 01 46 00.0
LAT = 63.8 N
LONG= 22.4 W
ICELAND REGION

NOS= FELT (V) AT REYKJAVIK. SLIGHT DAMAGE. MPV= 5.4 (BNS).

HLG	+ Z SL	P	01 50 10.0			4	2010	18.1	314.5	108.5
HAM	+I Z SX	P	01 50 27.4			3	2160	19.5	315.1	107.4
BNS	+I Z FS	P	01 50 35.5	2.0	2.60		2250	20.2	321.1	116.1
	+I Z SL	-	01 50 36.-	10.0						
	E Z SL	S	01 54 24.-							
	E Z SL	LR	01 55 24.-	36.0						
	Z SL	-	01 59 20.-	15.0						
TNS	1E Z SL	P	01 50 48.0			3	2370	21.3	321.6	115.6
	E Z SL	PPP	01 51 33.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E N SL	S	01 54 54.0							
BRN	+E Z ET	P	01 50 51.-	2.3		2	2400	21.6	315.9	105.5
	+E Z ET	PP	01 51 14.-			2				
BUH	+E Z GT	P	01 50 59.8				2490	22.4	324.1	118.4
HOF	-I Z SL	P	01 51 03.-	1.5	2.52	2	2510	22.6	319.9	110.9
	-I Z SL	-	01 51 08.-	3.0	3.08	9				
	-E Z SL	PP	01 51 32.-	2.0	2.80	3				
	+E Z SL	PPP	01 51 39.-	2.5	2.70	3				
	-E Z SL	-	01 51 50.-	2.0	2.80	5				
	-E Z SL	S	01 55 14.-	5.0	3.18	8				
	Z SL	RM	02 02 30.-	12.0	4.52					
STU	+E Z BE	P	01 51 02.8	1.0	2.59	4	2530	22.7	323.4	116.9
	-E E SL	S	01 55 18.0	10.0	3.48	5				
GRF	+E Z BE	P	01 51 02.8			4	2540	22.8	321.1	112.7
FUR	+I Z SL	P	01 51 16.-	2.0	2.57	9	2670	24.0	323.2	115.0
	+I Z SL	-	01 51 25.-	1.8	2.60	5				
	+I Z SL	-	01 51 34.-	2.0	2.33	3				
	-I Z SL	PP	01 51 46.-	1.8	1.95	9				
	+I Z SL	PPP	01 51 56.-	1.5	2.89	9				
	+E Z SL	S	01 55 25.-	3.0	2.28	2				
	Z SL	QM	02 02 00.-	17.0	4.07					

SEP 15 BCS
H= 02 22 14.0
LAT = 63.8 N
LONG= 22.4 W
ICELAND REGION

SEP 15 GS
H= 02 22 15.7
LAT = 63.9 N
LONG= 22.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
ICELAND REGION

NOS= FELT AT REYKJAVIK. MPV= 4.8 (BNS).

BNS	+E Z FS	P	02 26 47.0	2.0	2.00		2250	20.2	320.7	115.5
	E Z SL	LR	02 32 00.-							
	Z SL	-	02 35 30.-	15.0						
BUH	E Z GT	P	02 27 11.2				2500	22.5	323.7	117.9
GRF	E Z BE	P	02 27 15.1			2	2540	22.9	320.8	112.2
FUR	-I Z SL	P	02 27 30.-	2.0	2.10	9	2680	24.1	322.9	114.5
	-I Z SL	XP	02 27 40.-	2.0	2.10	2				
	+I Z SL	PP	02 27 58.-	2.0	2.10	2				
	+E Z SL	PPP	02 28 13.-	1.5	1.28	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	-	02 28 18.-	1.5	1.28	5				

SEP 15 GS
H= 04 25 08.7
LAT = 29.3 N
LONG= 130.3 E
DEPTH= 34 KM
MAGNITUDE= 5.3
RYUKYU ISLANDS

HOF	-I Z SL	P	04 37 36.-	1.5	2.52	3	9320	83.8	50.6	325.4
GRF	+E Z BE	P	04 37 40.7	0.9	1.87	3	9400	84.5	50.1	325.2
FUR	-I Z SL	P	04 37 46.-	1.5	1.76	4	9500	85.5	50.0	324.0
	-I Z SL	AP	04 37 56.-	1.5	1.73	3				
	-I Z SL	XPCP	04 38 05.-	1.5	1.49	2				
	+E Z SL	-	04 38 21.-	1.8	1.90	3				
BNS	I Z FS	P	04 37 45.3	1.5	1.48		9520	85.6	47.2	327.9
	E Z FS	-	04 37 53.-							
BUH	E Z GT	P	04 37 50.0				9640	86.7	47.9	325.7

SEP 15 GS
H= 15 59 10.8
LAT = 43.0 N
LONG= 143.9 E
DEPTH=132 KM
MAGNITUDE= 4.6
HOKKAIDO, JAPAN REGION

GRF	E Z BE	P	16 11 01.2			2	8760	78.8	33.4	330.9

SEP 15 GS
H= 16 59 35.1
LAT = 15.4 S
LONG= 174.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
TONGA ISLANDS

BNS	E Z FS	PKP	17 19 13.-				16070	144.5	3.5	357.7
	E Z FS	-	17 19 20.-							
GRF	E Z BE	PKP	17 19 13.2			2	16130	145.5	10.5	353.0
BUH	E Z GT	PKP	17 19 13.6				16320	146.8	5.5	356.2
FUR	+E Z SL	PKP1	17 19 13.-	2.0	1.80	3	16340	147.0	11.0	352.4
	+I Z SL	PKP2	17 19 22.-	1.5	1.43	4				
	-I Z SL	XPKP	17 19 32.-	1.5	1.36	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 15 GS										
H= 17 32 55.4										
LAT = 22.5 S										
LONG= 175.4 W										
DEPTH= 39 KM										
MAGNITUDE= 4.9										
TONGA ISLANDS REGION										
GRF	E Z BE	PKP	17 52 55.1			1	16950	152.4	13.3	350.7
SEP 16 GS										
H= 04 52 50.9										
LAT = 5.2 N										
LONG= 78.0 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.4										
SOUTH OF PANAMA										
BUH	E Z GT	P	05 05 10.9				9300	83.6	270.7	41.7
GRF	E Z BE	P	05 05 24.2			1	9520	85.6	272.8	40.6
	E Z BE	-	05 05 28.0			2				
FUR	-E Z SL	P	05 05 28.-	1.9	2.05	9	9530	85.7	273.0	42.2
	-I Z SL	AP	05 05 38.-	2.0	1.94	7				
	+E Z SL	XPCP	05 05 46.-	1.5	2.43	4				
	E SL	RM	05 49 00.-	17.0	1.78					
HOF	+E Z SL	P	05 05 28.-	2.0	2.40	6	9560	86.0	273.3	40.0
	+E Z SL	-	05 05 35.-	5.0	2.85	1				
SEP 16 GS										
H= 08 21 38.1										
LAT = 5.2 N										
LONG= 78.1 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.3										
SOUTH OF PANAMA										
BUH	E Z GT	P	08 34 04.4				9310	83.7	270.7	41.7
GRF	E Z BE	P	08 34 14.7			2	9520	85.6	272.9	40.6
FUR	-E Z SL	P	08 34 16.-	2.0	1.94	7	9530	85.7	273.0	42.2
	-E Z SL	PCP	08 34 20.-	2.0	1.80	5				
	-E Z SL	AP	08 34 26.-	2.3	2.22	5				
	+E Z SL	-	08 34 38.-	2.0	2.10	3				
HOF	+E Z SL	AP	08 34 27.-	1.5	2.30	2	9560	86.0	273.3	40.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 16 GS										
H= 19 09 59.1										
LAT = 30.2 N										
LONG= 131.1 E										
DEPTH= 30 KM										
MAGNITUDE= 4.7										
KYUSHU, JAPAN										
GRF	E Z BE	P	19 22 27.5			1	9370	84.3	43.0	325.5
SEP 16 GS										
H= 21 26 53.5										
LAT = 63.9 N										
LONG= 22.2 W										
DEPTH= 2 KM										
MAGNITUDE= 5.2										
ICELAND REGION										
SEP 16 BCS										
H= 21 26 56.0										
LAT = 63.9 N										
LONG= 22.4 W										
ICELAND REGION										
NOS= FELT STRONGLY IN REYKJAVIK AND SOUTHERN ICELAND. MPV= 5.2 (9NS).										
HLG	+ Z X	P	21 31 10.-			2	2010	18.1	314.5	108.5
HAM	E Z SX	P	21 31 24.-			2	2170	19.5	315.2	107.4
BNS	+I Z FS	P	21 31 31.6	1.9	2.32		2250	20.2	321.1	116.1
	+I Z SL	-	21 31 32.-	10.0						
	+I Z SL	S	21 35 25.-							
	E Z SL	LR	21 36 20.-	40.0						
	Z SL	-	21 40 20.-	15.0						
TNS	1E Z SL	P	21 31 43.5			3	2370	21.3	321.7	115.6
	E Z SL	PPP	21 32 29.0			3				
	E N SL	S	21 35 50.0							
BRN	+E Z ET	P	21 31 47.-	2.8		1	2400	21.6	316.0	105.5
BUH	E Z GT	P	21 31 54.5				2500	22.5	324.1	118.4
HOF	-I Z SL	P	21 31 56.-	2.0	2.92	9	2520	22.6	319.9	110.9
	+I Z SL	-	21 32 12.-	1.5	2.52	2				
	+I Z SL	PP	21 32 25.-	1.5	2.60	2				
	+I Z SL	-	21 32 31.-	1.5	2.37	7				
	+I Z SL	PPP	21 32 36.-	1.5	2.70	3				
	+I Z SL	-	21 32 44.-	1.5	2.70	3				
	-E Z SL	-	21 36 27.-	6.0	3.22	2				
	Z SL	RM	21 43 40.-	12.0	4.50					
STU	+E Z BE	P	21 31 58.5	1.0	2.39	2	2530	22.8	323.5	116.9
	E E SL	S	21 36 11.0	9.6	3.48	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	21 31 58.4	1.0	2.04	2	2540	22.8	321.1	112.8
FUR	+I Z SL	P	21 32 12.-	1.9	2.54	9	2680	24.1	323.3	115.0
	+I Z SL	-	21 32 23.-	1.5	2.13	2				
	+I Z SL	-	21 32 34.-	1.5	2.06	6				
	-I Z SL	PP	21 32 44.-	1.5	1.76	3				
	-I Z SL	-	21 32 50.-	1.5	1.66	9				
	+I Z SL	-	21 33 05.-	1.8	2.36	4				
	-I Z SL	-	21 33 14.-	1.8	2.40	8				
	+I Z SL	-	21 33 23.-	1.8	2.30	7				
	-E Z SL	S	21 36 26.-	2.0	2.05	3				
	Z SL	RM	21 43 00.-	16.0	4.02					

SEP 16 GS
H= 22 33 28.4
LAT = 63.9 N
LONG= 22.4 W
DEPTH= 5 KM (GEOPHYSICIST)
MAGNITUDE= 4.7
ICELAND REGION

SEP 16 BCS
H= 22 33 40.0
LAT = 63.9 N
LONG= 22.4 W
ICELAND REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	22 38 29.8				2500	22.5	323.9	118.1
GRF	E Z BE	P	22 38 34.0			2	2540	22.9	320.9	112.4
FUR	+E Z SL	P	22 38 47.-	2.0	1.80	2	2680	24.1	323.1	114.7
	-E Z SL	PPP	22 39 28.-	2.0	1.94	2				

SEP 17 GS
H= 04 06 03.7
LAT = 36.5 N
LONG= 51.1 E
DEPTH= 47 KM
MAGNITUDE= 4.8
IRAN

SEP 17 BCS
H= 04 06 07.0
LAT = 36.6 N
LONG= 51.1 E
IRAN

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	P	04 12 20.-	1.5	1.18	4	3480	31.3	96.9	304.4
	-E Z SL	-	04 14 03.-	2.0	1.80	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

SEP 17 GS
H= 06 55 53.4
LAT = 50.5 S
LONG= 139.7 E
DEPTH= 33 KM (NORMAL)
SOUTH OF AUSTRALIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	PKP1	07 15 34.-	1.5	1.36	6	16330	146.8	113.8	286.4
	+I Z SL	PKP2	07 15 38.-	1.3	1.59	3				
	-E Z SL	XPKP	07 15 49.-	1.5	1.28	5				
GRF	E Z BE	PKP	07 15 33.1			2	16400	147.5	111.6	289.0

SEP 17 GS
H= 07 21 47.4
LAT = 17.3 S
LONG= 174.3 W
DEPTH=135 KM
MAGNITUDE= 5.5
TONGA ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	-I Z FS	PKP	07 41 14.2	2.0	2.53		16280	146.4	2.6	358.3
	I Z FS	-	07 41 23.4							
	E Z FS	-	07 41 48.5							
HOF	+I Z SL	PKP1	07 41 14.-	1.8	3.06	6	16310	146.7	10.9	352.7
	+I Z SL	-	07 41 25.-	1.5	2.64	3				
	-I Z SL	APKP	07 41 51.-	2.0	2.80	5				
GRF	E Z BE	PKP	07 41 14.7			2	16330	147.4	9.3	353.3
	-I Z BE	-	07 41 17.6	1.0	1.93	6				
	E Z BE	APKP	07 41 55.9			2				
BUH	E Z GT	PKP	07 41 20.2				16530	148.7	4.7	356.7
FUR	-I Z SL	PKP1	07 41 21.-	1.3	2.33	9	16560	148.9	10.4	352.7
	+I Z SL	PKHKP	07 41 25.-	1.2	2.36	9				
	+I Z SL	APKP	07 41 57.-	1.8	2.18	3				
	-I Z SL	XPKP	07 42 12.-	1.2	1.78	1				
	+I Z SL	XPKP	07 42 26.-	1.5	1.36	1				

SEP 17 GS
H= 09 06 37.9
LAT = 37.8 S
LONG= 73.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
NEAR COAST OF CENTRAL CHILE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+E Z SL	APKP	09 25 23.-	1.5	1.28	5	12670	114.0	239.7	46.3
	-I Z SL	-	09 25 34.-	1.5	1.28	5				
	+E Z SL	-	09 25 51.-	1.5	1.36	6				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 17 GS H= 14 47 47.4 LAT = 38.5 N LONG= 20.1 E DEPTH= 4 KM MAGNITUDE= 4.6 GREECE										
SEP 17 BCS H= 14 47 54.0 LAT = 38.6 N LONG= 20.4 E GREECE										
FUR	-E Z SL	P	14 50 36.-	1.5	1.28	5	1290	11.6	143.2	329.2
	-E Z SL	PPP	14 50 53.-	1.5	1.28	5				
	-E Z SL	-	14 51 01.-	1.5	1.36	2				
GRF	E Z BE	P	14 51 06.4			2	1430	12.8	147.0	333.2
	E Z BE	-	14 52 24.7			1				
SEP 17 GS H= 15 31 37.2 LAT = 23.8 S LONG= 175.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 TONGA ISLANDS REGION										
GRF	E Z BE	PKP	15 51 35.7			1	17090	153.7	13.4	350.5
	E Z BE	APKP	15 51 46.1			2				
SEP 17 GS H= 15 37 20.4 LAT = 35.8 N LONG= 21.9 E DEPTH= 43 KM MAGNITUDE= 4.3 MEDITERRANEAN SEA										
SEP 17 BCS H= 15 37 21.0 LAT = 35.6 N LONG= 22.2 E MEDITERRANEAN SEA										
GRF	E Z BE	P	15 41 06.3			2	1760	15.9	146.7	334.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
SEP 17 GS H= 22 09 16.6 LAT = 24.9 N LONG= 122.0 E DEPTH= 86 KM MAGNITUDE= 4.9 TAIWAN REGION										
GRF	E Z BE	P	22 21 38.4			2	9310	83.8	58.7	322.4
SEP 17 GS H= 23 00 37.3 LAT = 44.6 N LONG= 129.3 W DEPTH= 14 KM MAGNITUDE= 4.4 OFF COAST OF OREGON										
GRF	E Z BE	P	23 12 56.-			1	8890	80.0	332.5	24.8
SEP 17 GS H= 23 33 33.0 LAT = 44.4 N LONG= 129.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 OFF COAST OF OREGON										
GRF	E Z BE	P	23 45 42.5			1	8910	80.1	332.5	24.8
	E Z BE	-	23 45 48.0			2				
SEP 18 GS H= 08 47 40.5 LAT = 36.7 N LONG= 30.1 E DEPTH= 15 KM (GEOPHYSICIST) MAGNITUDE= 4.4 TURKEY										
SEP 18 BCS H= 08 47 45.0 LAT = 36.8 N LONG= 30.5 E TURKEY										
FUR	-I Z SL	P	08 51 54.-	1.5	1.70	4	2000	18.0	122.7	315.5
	-I Z SL	PP	08 52 08.-	1.8	1.90	3				
	+E Z SL	PPP	08 52 17.-	1.8	1.78	2				
	+I Z SL	-	08 52 31.-	2.0	1.94	7				
	-E Z SL	SSS	08 55 48.-	2.0	2.05	5				
GRF	E Z BE	P	08 52 03.4			2	2100	18.9	126.4	319.4
BUH	E Z GT	P	08 52 13.6				2220	20.0	118.7	313.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	I Z GT	P	08 52 19.4							
BNS	E Z FS	P	08 52 34.5				2420	21.7	122.2	318.3

SEP 18
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+E Z SL	-	10 57 38.-	2.0	2.05	9				
	Z SL	MAXIMUM	10 58 07.-	1.5	1.54					

SEP 18 GS
H= 12 58 25.2
LAT = 7.0 S
LONG= 76.1 W
DEPTH=133 KM
MAGNITUDE= 5.8
NORTHERN PERU

BNS	-I Z FS	P	13 11 16.6	1.5	2.00		10140	91.2	260.4	38.9
	E Z FS	-	13 11 28.3							
BUH	E Z GT	P	13 11 17.0				10180	91.5	261.2	41.3
FUR	+I Z SL	P	13 11 28.-	2.0	2.44	9	10390	93.5	263.4	42.1
	+I Z SL	PP	13 15 13.-	2.0	2.14	2				
	+I Z SL	PPP	13 17 16.-	1.8	2.00	3				
GRF	E Z BE	P	13 11 27.9			2	10410	93.6	263.5	40.5

SEP 18 GS
H= 13 32 51.5
LAT = 54.5 S
LONG= 132.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.3
SOUTH PACIFIC CORDILLERA

FUR	-E Z SL	PKP1	13 52 46.-	2.0	2.05	9	17430	156.8	240.6	90.9
	+I Z SL	PKP2	13 53 16.-	2.2	2.33	3				
	-I Z SL	XPKP	13 53 30.-	1.8	2.04	4				
	+I Z SL	PP	13 57 09.-	2.2	2.23	2				
GRF	E Z BE	PKP	13 52 46.6			1	17510	157.4	243.7	87.4
HOF	-E Z SL	XPKP	13 53 08.-	3.0	2.72	2	17580	158.1	245.2	86.4
	-E Z SL	PKP2	13 53 21.-	4.0	2.99	3				
	+E Z SL	APKP	13 53 34.-	2.0	2.43	3				

SEP 18
NO DETERMINATION OF EPICENTER

BNS	I Z FS	-	16 12 57.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E N X		16 13 05.0	1.1	2.40					

SEP 19 GS
H= 02 59 57.2
LAT = 45.6 N
LONG= 67.9 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 5.2
CENTRAL KAZAKH SSR

SEP 19 BCS
H= 03 00 00.0
LAT = 45.5 N
LONG= 68.5 E
DEPTH= 0 KM (GEOPHYSICIST)
CENTRAL KAZAKH SSR

GRF	+E Z BE	P	03 07 15.8	0.8	1.60	2	4130	37.6	73.9	297.2
FUR	-I Z SL	P	03 07 20.-	1.3	2.00	9	4230	38.0	72.0	294.8
BUH	E Z GT	P	03 07 33.4				4420	39.8	71.2	296.6

SEP 19
NO DETERMINATION OF EPICENTER

GRF	+E Z BE	P	03 56 16.2			3				

SEP 19 GS
H= 09 42 37.5
LAT = 26.7 S
LONG= 177.3 W
DEPTH=146 KM
MAGNITUDE= 4.9
SOUTH OF FIJI ISLANDS

GRF	E Z BE	PKP	10 02 43.2			2	17360	156.2	19.2	346.2

SEP 19 GS
H= 11 00 44.9
LAT = 33.2 N
LONG= 140.8 E
DEPTH= 60 KM
MAGNITUDE= 5.0
SOUTH OF HONSHU, JAPAN

GRF	E Z BE	P	11 13 20.8			1	9580	86.1	40.4	329.9

SEP 19
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+E Z SL	-	11 20 43.-	1.5	1.49	8				

SEP 19
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+E Z SL	-	15 00 12.-	1.3	1.49	2				

SEP 19 BCS
H= 23 29 04.0
LAT = 43.3 N
LONG= 0.3 W
PYRENEES

BCIS= FELT WIDELY IN THE DEPARTEMENT HAUTES-PYRENEES (V AT ESTAING, IV AT AUCUN, ARREAU, LOURDES, CAUTERETS, III AT BAGNERES) AND IN THE DEPARTEMENT PYRENEES ATLANTIQUES (IV AT ARUDY, III AT NAY, OLORON SAINTE MARIE, II AT TARDETS, SORHOLUS).

BNS	E Z FS	-	23 34 03.4				1020	9.2	216.4	31.0
	E Z FS	-	23 34 12.6	1.3	1.60					
FUR	+E Z SL	-	23 33 43.-	1.5	1.43	2	1050	9.4	243.3	55.0
	Z SL	MAXIMUM	23 35 06.-	1.8	2.00					
GRF	E N BE	SG	23 34 22.7			2	1130	10.2	235.5	47.2

SEP 20 GS
H= 13 57 45.0
LAT = 15.6 S
LONG= 180.0 E
DEPTH= 11 KM
MAGNITUDE= 5.3
FIJI ISLANDS

GRF	E Z BE	PKP	14 17 23.0			2	16100	144.8	19.1	347.3
	E Z BE	-	14 18 04.5			2				
FUR	-I Z SL	PKP1	14 17 28.-	1.8	1.90	8	16260	146.2	19.9	346.3
	+I Z SL	PKP2	14 17 31.-	2.0	2.10	3				
	+I Z SL	-	14 17 42.-	1.5	1.76	8				
BUH	E Z GT	PKP	14 17 27.0				16270	146.3	14.5	350.1

SEP 20
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	14 11 15.1			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

SEP 20 GS
H= 18 58 01.4
LAT = 51.6 N
LONG= 173.9 W
DEPTH= 39 KM
MAGNITUDE= 4.5
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	+E Z BE	P	19 10 03.0			2	8780	79.0	3.2	356.6
	E Z BE	AP	19 10 16.5			2				

SEP 20 GS
H= 20 43 33.8
LAT = 3.0 N
LONG= 123.8 E
DEPTH=560 KM (GEOPHYSICIST)
MAGNITUDE= 6.0
NEGROS, PHILIPPINE ISLANDS

BRN	-I Z ET	P	20 56 05.8	3.5	3.15	4	10580	95.1	68.2	324.9
	-I Z ET	PP	21 00 07.7	3.7	3.23	3				
	+I E ET	SKS	21 05 48.5	4.5		4				
	-I E ET	S	21 06 33.2	4.2		3				
HAM	E Z SX	P	20 56 11.-			6	10730	96.5	65.4	326.6
	E Z SX	PP	21 00 16.-			9				
	+I E WI	S	21 05 58.-			4				
HOF	+I Z SL	P	20 56 11.-	3.0	3.53	9	10750	96.7	67.3	323.2
	-E Z SL	AP	20 58 15.-	4.0	2.85	2				
	+E Z SL	PP	21 00 07.-	3.0	2.90	3				
	+I Z SL	-	21 00 19.-	3.8	3.60	6				
	+I Z SL	-	21 00 39.-	3.0	3.02	9				
	-I Z SL	APP	21 01 59.-	3.0	2.90	2				
	-E Z SL	PPP	21 02 23.-	3.5	3.08	5				
	-E Z SL	-	21 06 47.-	7.0	3.14	3				
	+E Z SL	XS	21 10 19.-	5.0	2.95	2				
	+E Z SL	PKKP	21 12 55.-	5.0	3.13	5				
	+E Z SL	SKKP	21 15 39.-	4.0	3.02	3				
	Z SL	RM	21 49 30.-	18.0	4.01					
HLG	-I Z SL	P	20 56 15.0			4	10820	97.3	63.6	327.8
	Z SL	PP	21 00 23.0			3				
GRF	E Z BE	P	20 56 13.7			1	10820	97.3	66.9	322.8
	I Z BE	-	20 56 16.6			9				
	E Z BE	AP	20 58 16.7			2				
	E Z BE	XP	20 59 14.5			2				
	E Z BE	PP	21 00 15.0			2				
	E Z BE	PPP	21 02 32.8			3				
FUR	-I N SL	-	20 56 44.-	3.0	2.76	9	10880	97.9	67.1	321.4
	+I N SL	-	20 57 28.-	2.2	2.46	2				
	-I N SL	XP	20 59 26.-	2.0	2.38	2				
	-I N SL	PP	21 00 31.-	3.3	3.21	7				
	+I N SL	APP	21 02 14.-	3.0	2.99	4				
	+I N SL	XPP	21 03 18.-	3.0	3.07	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I N SL	SKS	21 06 03.-	3.6	3.27	2				
	+I N SL	S	21 06 59.-	8.0	3.85	3				
	+I N SL	XS	21 10 41.-	4.0	3.16	5				
	-I N SL	SS	21 14 06.-	8.0	3.72	9				
	+I N SL	SSS	21 17 56.-	10.0	3.69	2				
	Z SL	RM	21 51 40.-	17.0	3.45					
TNS	2E Z SL	P	20 56 22.0			4	10980	98.7	64.6	324.0
	E Z SL	AP	20 58 25.0							
	E Z SL	PP	21 00 26.-			3				
	E E SL	SKS	21 06 07.5			4				
STU	E Z BE	P	20 56 20.8	1.7	2.52	2	11000	98.9	65.4	322.5
	-E N SL	S	21 07 06.0	12.0	3.71	6				
BNS	E Z FS	P	20 56 22.8	2.8	2.53		11020	99.1	63.4	325.1
	I Z SL	-	20 56 24.-							
	I Z FS	PP	21 00 27.5	2.5	2.45					
	E Z SL	-	21 09 13.-							
	E Z SL	-	21 18 32.-							
KRL	-E Z WH	P	20 56 24.2	2.5		3	11040	99.3	64.7	322.9
BUH	E Z GT	P	20 56 24.5				11070	99.5	64.6	322.7

SEP 21
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	00 53 16.3			1				
	E Z BE	-	00 53 25.3			2				

SEP 21 GS
H= 01 38 12.2
LAT = 44.2 N
LONG= 17.1 E
DEPTH= 33 KM (NORMAL)
YUGOSLAVIA

FUR	+E N SL	SB	01 41 13.-	1.5	1.49	2	630	5.6	132.0	316.2
	-I N SL	SG	01 41 24.-	1.6	2.00	1				
	Z SL	MAXIMUM	01 41 43.-	1.5	1.89					
GRF	E Z BE	P	01 39 51.9			2	750	6.8	141.4	325.7
	E N BE	S	01 41 05.-			1				

SEP 21 GS
H= 02 21 04.1
LAT = 35.1 N
LONG= 134.4 E
DEPTH= 23 KM
MAGNITUDE= 5.1
SOUTHERN HONSHU, JAPAN

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	02 33 23.2			2	9030	81.7	43.9	326.7

SEP 21 GS
H= 05 07 05.9
LAT = 33.3 N
LONG= 137.7 E
DEPTH=352 KM
MAGNITUDE= 4.7
NEAR S. COAST OF HONSHU, JAPAN

GRF	E Z BE	P	05 19 02.6			2	9420	84.7	42.6	328.4
	E Z BE	AP	05 20 24.1			1				

SEP 21 GS
H= 05 23 35.8
LAT = 37.0 N
LONG= 137.1 E
DEPTH=273 KM
MAGNITUDE= 3.4
NEAR WEST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	05 35 23.6			1	9040	81.3	41.0	327.8

SEP 21 GS
H= 07 13 34.0
LAT = 4.4 S
LONG= 102.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 6.1
NORTHERN EASTER I. CORDILLERA

BUH	E Z GT	PKP	07 32 03.4				11850	106.6	282.5	40.5
GRF	E Z BE	PKP	07 32 23.5			1	12040	108.2	285.2	38.9
HOF	-E Z SL	PP	07 32 30.-	5.0	3.10	3	12060	108.5	286.0	38.2
	-E Z SL	PPP	07 34 41.-	4.0	3.02	3				
	Z SL	RM	08 32 20.-	17.0	3.80					

SEP 21 GS
H= 07 31 02.8
LAT = 4.4 S
LONG= 101.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 6.0
NORTHERN EASTER I. CORDILLERA

HOF	-E Z SL	PP	07 49 54.-	8.0	3.39	2	12060	108.4	285.9	38.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 21 GS H= 09 29 10.3 LAT = 53.3 N LONG= 161.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.0 OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	09 40 47.8			2	3270	74.4	17.9	340.5
SEP 21 GS H= 10 35 55.9 LAT = 57.2 N LONG= 154.0 W DEPTH= 45 KM MAGNITUDE= 5.0 KODIAK ISLAND REGION										
GRF	E Z BE	P	10 47 21.5			2	3090	72.7	351.7	10.0
BUH	E Z GT	P	10 47 25.5				3160	73.4	350.0	12.2
SEP 21 GS H= 12 14 58.9 LAT = 18.1 S LONG= 177.9 W DEPTH=652 KM (GEOPHYSICIST) MAGNITUDE= 4.6 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	12 33 30.6			1	16410	147.6	16.4	348.9
	E Z BE	APKP	12 36 00.4			1				
SEP 21 NO DETERMINATION OF EPICENTER										
FUP= LOCAL.										
FUP	+E Z SL	-	13 55 53.-	1.3	1.66	6				
	Z SL	MAXIMUM	13 56 08.-	1.5	1.59					
SEP 21 NO DETERMINATION OF EPICENTER										
BNS= LOCAL SHOCK OR EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	15 57 37.3							
	I Z FS	SG	15 57 46.5							
SEP 21 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	17 58 15.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 21 GS H= 19 28 29.3 LAT = 26.1 S LONG= 178.3 E DEPTH=651 KM MAGNITUDE= 5.6 SOUTH OF FIJI ISLANDS										
BRN	-I Z ET	PKIKP	19 47 13.2	1.3	2.78	3	16840	151.4	28.9	340.7
	-I Z ET	PKP2	19 47 24.5	1.9	2.60	3				
HOF	-I Z SL	PKHKP	19 47 18.-	1.5	2.40	3	17030	153.7	28.5	340.1
	+I Z SL	PKP2	19 47 34.-	2.0	3.07	7				
BNS	E Z FS	PKP	19 47 18.2				17160	154.3	18.7	347.0
	-I Z FS	-	19 47 36.2	1.6	2.11					
	E Z FS	-	19 49 27.-							
GRF	E Z BE	PKP	19 47 09.4			2	17170	154.4	27.8	340.3
	-E Z BE	-	19 47 19.5			3				
	-I Z BE	-	19 47 37.6			9				
	E Z BE	APKP	19 49 52.-			2				
FUR	+I Z SL	PKP1	19 47 11.-	1.5	1.62	3	17320	155.7	29.5	338.5
	-I Z SL	-	19 47 21.-	1.5	1.59	3				
	+I Z SL	PKP2	19 47 43.-	1.5	2.36	9				
	-I Z SL	PP	19 51 30.-	2.0	2.10	3				
BUH	E Z GT	PKP	19 47 12.1				17370	156.2	22.6	343.5
	E Z GT	PKP	19 47 22.8							
	I Z GT	PKP	19 47 44.4							
SEP 22 GS H= 02 57 19.5 LAT = 26.5 N LONG= 44.6 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 NORTH ATLANTIC RIDGE										
BNS	E Z SL	P	03 05 44.-				5110	46.0	258.0	43.7
	E Z SL	S	03 12 35.-							
	E Z SL	LR	03 18 10.-	42.0						
	Z SL	-	03 20 30.-	22.0						
BUH	E Z GT	P	03 05 45.5				5140	46.2	261.1	47.0
FUR	-I Z SL	AP	03 06 07.-	1.8	1.95	5	5360	48.2	264.1	48.0
	-I Z SL	XP	03 06 11.-	1.5	1.59	2				
	-I Z SL	-	03 06 25.-	2.0	2.27	3				
	Z SL	OM	03 21 00.-	26.0	3.55					
GRF	E Z BE	P	03 05 59.8			2	5370	48.3	262.7	46.0
	E Z BE	-	03 06 26.5			2				
HOF	-I Z SL	P	03 06 10.-	2.0	2.70	3	5430	48.8	262.7	45.2
	+I Z SL	-	03 06 30.-	2.0	2.53	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	+I Z SL	-	03 06 37.-	2.0	2.92	3				
	+E Z SL	-	03 07 36.-	6.0	3.05	3				
	Z SL	QM	03 22 00.-	24.0	4.31					
SEP 22 GS H= 06 29 42.0 LAT = 36.5 N LONG= 24.0 E DEPTH= 92 KM MAGNITUDE= 4.5 SOUTHERN GREECE										
SEP 22 BCS H= 06 29 43.0 LAT = 36.5 N LONG= 23.8 E DEPTH= 80 KM SOUTHERN GREECE										
GRF	E Z BE	P	06 33 24.6			2	1790	16.1	140.1	328.8
SEP 22 GS H= 11 36 02.7 LAT = 36.0 N LONG= 70.5 E DEPTH=117 KM MAGNITUDE= 5.0 HINDU KUSH REGION										
GRF	E Z BE	P	11 44 05.1			2	4940	44.4	84.7	307.1
SEP 22 GS H= 17 35 47.6 LAT = 15.0 S LONG= 173.7 W DEPTH= 10 KM (GEOPHYSICIST) MAGNITUDE= 5.1 TONGA ISLANDS										
GRF	E Z BE	PKP	17 55 28.5			2	16150	145.2	8.4	354.4
FUR	-I Z SL	PKP1	17 55 35.-	1.8	1.78	2	16310	146.7	8.8	353.9
	-I Z SL	-	17 55 56.-	1.8	1.85	2				
SEP 22 GS H= 18 36 24.6 LAT = 51.6 N LONG= 173.7 W DEPTH= 36 KM MAGNITUDE= 5.0 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	18 48 26.6	0.8	1.71	4	8780	79.0	3.1	356.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	P	18 48 32.4				8900	80.0	1.2	358.7
SEP 22 GS H= 19 27 49.3 LAT = 51.6 N LONG= 173.7 W DEPTH= 49 KM MAGNITUDE= 5.4 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	+I Z BE	P	19 39 50.2	0.9	1.93	9	8780	79.0	3.1	356.8
BUH	+I Z GT	P	19 39 55.8				8900	80.1	1.2	358.7
FUR	-I Z SL	P	19 39 58.-	1.5	1.43	7	8950	80.5	3.1	356.6
	-I Z SL	XP	19 40 10.-	2.0	2.00	8				
SEP 23 GS H= 02 19 07.3 LAT = 54.7 N LONG= 161.8 E DEPTH=110 KM (GEOPHYSICIST) MAGNITUDE= 4.5 NEAR EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	02 30 28.2			2	8120	73.1	17.3	340.5
SEP 23 NO DETERMINATION OF EPICENTER										
FUR	-I Z SL	-	03 33 40.-	1.5	1.28	1				
	+I Z SL	-	03 33 52.-	1.5	1.59	2				
SEP 23 GS H= 07 26 11.5 LAT = 43.8 N LONG= 146.0 E DEPTH= 39 KM MAGNITUDE= 4.9 KURIL ISLANDS										
GRF	I Z BE	P	07 38 13.0			2	8770	78.9	31.6	332.0
SEP 23 GS H= 12 25 52.0 LAT = 10.3 N LONG= 125.3 E DEPTH= 39 KM MAGNITUDE= 5.7 LEYTE, PHILIPPINE ISLANDS										
FUR	-I Z SL	P	12 39 24.-	2.0	2.10	9	10370	97.3	65.1	321.9
	-I Z SL	PP	12 43 25.-	1.5	1.36	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 23 GS H= 16 40 34.0 LAT = 9.9 N LONG= 126.3 E DEPTH= 46 KM MAGNITUDE= 5.2 MINDANAO, PHILIPPINE ISLANDS										
GRF	E Z BE	-	16 54 07.9			1	10310	98.1	64.3	323.6
SEP 23 GS H= 17 43 04.3 LAT = 22.1 S LONG= 179.7 W DEPTH=609 KM MAGNITUDE= 4.6 SOUTH OF FIJI ISLANDS										
GRF	+E Z BE	PKP	18 02 02.4			2	16810	151.1	21.4	345.2
SEP 24 GS H= 06 48 08.7 LAT = 50.2 N LONG= 178.4 E DEPTH= 39 KM MAGNITUDE= 4.7 RAT ISLANDS, ALEUTIAN ISLANDS										
GRF	+E Z BE	P	07 00 15.1			1	8880	79.8	8.3	351.6
SEP 24 GS H= 09 08 39.4 LAT = 86.1 N LONG= 32.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 NORTH OF SVALBARD										
HOF	-E Z SL	P	09 15 42.-	3.0	2.87	9	4030	36.2	2.3	201.9
GRF	E Z BE	P	09 15 46.5			2	4100	36.9	2.3	202.6
BUH	E Z GT	P	09 15 56.7				4220	38.0	2.6	205.8
SEP 24 GS H= 09 14 29.0 LAT = 40.1 N LONG= 142.3 E DEPTH= 61 KM MAGNITUDE= 4.6 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	09 26 38.2			2	8980	80.7	35.8	330.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 24 GS H= 13 41 20.4 LAT = 43.5 N LONG= 146.6 E DEPTH= 46 KM MAGNITUDE= 4.9 KURIL ISLANDS										
GRF	+E Z BE	P	13 53 23.5	0.8	1.23	2	8820	79.3	31.4	332.3
SEP 24 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	23 23 22.2							
SEP 24 GS H= 23 30 57.8 LAT = 52.3 S LONG= 160.7 E DEPTH= 10 KM (GEOPHYSICIST) MAGNITUDE= 5.6 MACQUARIE ISLANDS REGION										
GRF	E Z BE	PKP	23 51 39.2			2	17870	160.7	109.6	274.3
SEP 25 GS H= 03 38 02.1 LAT = 14.8 S LONG= 171.5 E DEPTH=616 KM MAGNITUDE= 5.1 NEW HEBRIDES ISLANDS REGION										
FUR	-I Z SL	PKP1	03 56 26.-	1.5	1.43	2	15890	142.9	32.9	337.9
SEP 25 GS H= 13 00 17.8 LAT = 36.4 N LONG= 70.8 E DEPTH=200 KM MAGNITUDE= 5.1 HINDU KUSH REGION										
GRF	E Z BE	P	13 08 10.8			2	4930	44.4	84.0	306.8
SEP 25 GS H= 16 17 28.3 LAT = 54.8 S LONG= 145.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.9 WEST OF MACQUARIE ISLAND										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-I Z SL	PKP1	16 37 19.-	1.5	1.76	2	16830	151.4	120.7	275.5
	-I Z SL	PKHKP	16 37 26.-	1.0	2.82	3				
	-I Z SL	-	16 37 28.-	1.5	2.43	8				
	+I Z SL	PKP2	16 37 36.-	1.5	2.24	9				
	+I Z SL	-	16 37 41.-	1.8	2.60	4				
	-I Z SL	APKP	16 37 45.-	1.8	2.48	4				
	-I Z SL	XPKP	16 37 50.-	1.5	2.10	2				
	+I Z SL	PP	16 41 03.-	1.5	1.84	9				
	-I Z SL	APP	16 41 20.-	1.5	1.70	2				
HOF	-I Z SL	PKP1	16 37 19.-	1.5	2.10	5	16910	152.1	117.3	279.9
	+I Z SL	PKHKP	16 37 24.-	2.3	2.73	5				
	-I Z SL	PKP2	16 37 38.-	2.3	2.76	2				
	+I Z SL	APKP	16 37 44.-	3.0	3.26	2				
	+I Z SL	XPKP	16 37 48.-	3.0	3.12	3				
	-I Z SL	PP	16 41 15.-	5.0	3.35	3				
GRF	E Z BE	PKP	16 37 19.4			1	16920	152.2	118.2	278.3
	E Z BE	-	16 37 25.2			4				
	E Z BE	-	16 37 34.9			2				
BRN	E Z ET	PKP	16 37 19.-			2	16930	152.2	114.1	284.8
BUH	E Z GT	PKP	16 37 22.0				17060	153.4	119.5	274.3
HAM	E Z SX	PKP	16 37 33.-			2	17180	154.5	111.0	285.2
BNS	E Z FS	PKP	16 37 33.-	2.4	2.08		17240	155.0	115.2	278.3
	E Z SL	-	17 02 10.-							
	E Z SL	LR	17 31 56.-	50.0						
	Z SL	-	17 59 00.-	18.0						

SEP 25 GS
H= 18 39 00.2
LAT = 37.0 N
LONG= 71.5 E
DEPTH=110 KM
MAGNITUDE= 5.1
AFGHANISTAN-USSR BORDER REGION

GRF	E Z BE	P	18 47 27.6			2	4940	44.5	82.8	306.4

SEP 25 GS
H= 20 56 38.3
LAT = 39.4 N
LONG= 143.5 E
DEPTH= 31 KM
MAGNITUDE= 4.1
OFF EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	21 08 57.0			1	9100	81.8	35.4	330.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

SEP 26 GS
H= 09 46 48.8
LAT = 10.2 N
LONG= 125.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
LEYTE, PHILIPPINE ISLANDS

GRF	E Z BE	PP	10 04 13.8			1	10820	97.3	65.0	323.3
FUR	+I Z SL	P	10 00 21.-	1.5	1.62	9	10880	97.9	65.2	321.9
	-E Z SL	AP	10 00 34.-	2.0	2.05	5				
	E SL	RM	10 53 30.-	17.0	3.27					

SEP 26 GS
H= 16 27 47.2
LAT = 55.4 S
LONG= 146.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
WEST OF MACQUARIE ISLAND

FUR	+I Z SL	PKP1	16 47 37.-	1.5	1.54	9	16860	151.6	121.7	274.3
	-I Z SL	PKHKP	16 47 45.-	1.8	2.00	2				
	+I Z SL	APKP	16 47 48.-	1.9	2.05	5				
	-I Z SL	PKP2	16 47 55.-	1.8	2.26	6				
GRF	E Z BE	PKP	16 47 39.0			2	16950	152.5	119.2	277.1
BUH	E Z GT	PKP	16 47 40.5				17090	153.6	120.6	273.0

SEP 26
NO DETERMINATION OF EPICENTER

BNS	I Z FS	-	19 42 47.2	0.8	1.48					

SEP 27 GS
H= 06 59 58.0
LAT = 70.8 N
LONG= 53.9 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 6.0
NOVAYA ZEMLYA

SEP 27 BCS
H= 07 00 00.0
LAT = 71.0 N
LONG= 53.0 E
DEPTH= 0 KM (GEOPHYSICIST)
NOVAYA ZEMLYA

BCIS= ARTIFICIAL.

BRN	+I Z ET	P	07 05 34.2	1.0	2.82	5	2880	25.9	29.7	246.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E N ET	L	07 13 43.-	2.2						
[illegible]	E Z SK	P	07 05 33.-			1	2890	26.0	31.7	251.3
HOF	-I Z SL	P	07 05 53.-	1.5	3.06	9	3130	28.1	28.1	245.5
	+I Z SL	PP	07 06 49.-	1.5	2.58	2				
GRF	+I Z BE	P	07 06 00.4	0.7	2.52	9	3210	28.9	27.7	245.7
BNS	+I Z FS	P	07 06 00.8	0.9	2.20		3220	29.0	29.9	251.7
	E Z FS	-	07 06 44.0							
	Z SL	-	07 13 30.-	13.0						
FUR	+I Z SL	P	07 06 12.-	1.4	2.12	9	3360	30.2	26.5	244.2
	-I Z SL	-	07 06 29.-	1.8	2.18	8				
	+I Z SL	-	07 06 53.-	1.5	2.06	3				
	+I Z SL	PP	07 07 10.-	1.3	2.28	3				
	+I Z SL	-	07 07 14.-	1.5	1.96	2				
	+I Z SL	-	07 07 35.-	1.3	2.28	3				
	+I Z SL	-	07 07 48.-	1.5	2.91	2				
	+I Z SL	-	07 08 26.-	1.5	1.79	3				
	+I Z SL	PCP	07 09 15.-	1.8	2.18	2				
	-I Z SL	S	07 11 12.-	1.5	1.59	2				
	-I Z SL	PCS	07 12 53.-	1.4	1.75	2				
	Z SL	PM	07 17 15.-	2.0	2.50					
STU	+I Z BE	P	07 06 12.9	1.2	2.73	7	3370	30.3	27.5	247.2
KBL	-I Z ST	P	07 06 14.0	1.0		9	3370	30.3	27.9	248.4
BUH	+I Z GT	P	07 06 15.9				3410	30.7	27.7	248.3

SEP 27 GS
H= 15 53 22.6
LAT = 33.1 N
LONG= 140.6 E
DEPTH= 45 KM
MAGNITUDE= 4.4
SOUTH OF HONSHU, JAPAN

[illegible]	E Z BE	P	08 22 00.3			2	9580	86.1	40.5	329.8

SEP 27
NO DETERMINATION OF EPICENTER

[illegible]= LOCAL.

[illegible]	-I Z SL	-	10 07 46.-	1.0	1.85	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

SEP 27 BCS
H= 12 29 00.0
LAT = 71.9 N
LONG= 12.0 W
JAN MAYEN ISLAND REGION

SEP 27 GS
H= 12 29 04.3
LAT = 71.5 N
LONG= 12.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
JAN MAYEN ISLAND REGION

BNS	-E Z FS	P	12 34 01.0	2.8	2.41		2520	22.7	344.6	147.4
	+E Z SL	-	12 34 01.-	14.0						
	E Z SL	S	12 38 08.-							
	+E Z SL	LR	12 39 29.-	36.0						
HOF	+I Z SL	P	12 34 16.-	3.0	3.02	3	2690	24.2	342.0	140.7
	+I Z SL	XP	12 34 28.-	3.0	3.02	4				
	-I Z SL	-	12 34 38.-	4.0	3.02	3				
	-I Z SL	PPP	12 34 56.-	3.5	3.08	1				
	+I Z SL	-	12 35 16.-	2.0	2.60	2				
	+E Z SL	PCP	12 38 01.-	4.0	2.93	9				
	+E Z SL	XS	12 38 40.-	4.0	2.89	2				
	Z SL	RM	12 48 50.-	11.0	3.89					
GRF	E Z BE	P	12 34 20.4			2	2740	24.7	342.8	142.1
BUH	E Z GT	P	12 34 23.0				2790	25.1	345.2	147.3
FUR	+I Z SL	P	12 34 35.-	1.8	2.15	2	2900	26.1	343.7	143.1
	+I Z SL	AP	12 34 42.-	1.5	1.79	2				
	-I Z SL	PP	12 35 17.-	1.5	1.70	2				
	+I Z SL	PPP	12 35 21.-	1.1	2.11	9				
	-I Z SL	-	12 35 38.-	1.9	2.05	2				
	Z SL	QM	12 42 30.-	23.0	3.35					

SEP 27
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	Z SL	MAXIMUM	13 01 38.-	1.5	2.40					

SEP 27
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	16 55 10.8							
	I Z FS	-	16 55 17.2							
	I Z FS		16 55 18.8	1.4	1.95					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 27 GS H= 22 07 16.7 LAT = 13.2 N LONG= 50.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 EASTERN GULF OF ADEN										
GRF	E Z BE	P	22 15 59.1			2	5410	48.6	124.4	326.6
SEP 28 GS H= 00 58 59.5 LAT = 1.9 N LONG= 33.2 E DEPTH=132 KM MAGNITUDE= 5.0 NORTHERN SUMATRA										
GRF	E Z BE	P	01 11 33.3			2	9700	87.2	90.3	319.5
	E Z BE	AP	01 12 05.3			1				
SEP 28 NO DETERMINATION OF EPICENTER FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-I Z SL	-	11 10 38.-	1.2	1.90	8				
	Z SL	MAXIMUM	11 11 10.-	2.0	2.50					
SEP 28 GS H= 11 32 23.3 LAT = 13.2 N LONG= 50.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 EASTERN GULF OF ADEN										
FUR	+I Z SL	P	11 41 00.-	1.5	1.81	4	5310	47.7	123.3	324.9
	+I Z SL	-	11 41 52.-	1.5	1.79	4				
	+I Z SL	-	11 42 04.-	1.8	2.08	3				
	-I Z SL	PP	11 42 51.-	1.8	2.00	9				
	-I Z SL	PPP	11 43 40.-	1.8	2.08	9				
GRF	+E Z BE	P	11 41 04.7	1.3	2.03	2	5410	48.6	124.4	326.6
BUH	E Z GT	P	11 41 13.8				5530	49.7	120.5	324.1
SEP 28 NO DETERMINATION OF EPICENTER HOF= EXPLOSION.										
HOF	Z SL	MAXIMUM	12 29 41.-	1.5	2.40					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
SEP 28 GS H= 23 51 46.9 LAT = 55.4 S LONG= 146.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 WEST OF MACQUARIE ISLAND										
GRF	E Z BE	PKP	00 11 39.3			2	16340	152.3	119.3	277.3
SEP 29 GS H= 00 44 00.8 LAT = 41.9 N LONG= 130.9 E DEPTH=575 KM (GEOPHYSICIST) MAGNITUDE= 6.5 NORTH KOREA										
BRN	-I Z ET	P	00 54 26.8	3.0	3.68	9	7980	71.7	44.1	325.2
	-I Z ET	AP	00 56 26.-	3.0	3.68	4				
	E Z ET	S	01 03 07.-	4.0						
HAM	-I Z SX	P	00 54 30.2			9	8040	72.3	42.2	327.4
HLG	-I Z X	P	00 54 30.-			2	8070	72.6	41.0	328.9
	-I Z SL	P	00 54 31.1			9				
	-I Z SL	AP	00 56 23.1			8				
HOF	+I Z SL	P	00 54 37.-	2.0	3.69	9	8210	73.8	42.8	324.3
	+I N SL	SS	01 03 23.-	3.5	3.67	4				
	N SL	QM	01 13 10.-	20.0	5.65					
	N SL	RM	01 29 30.-	13.0	5.23					
GRF	I Z BE	P	00 54 43.0	0.7	3.01	9	8290	74.6	42.3	324.2
	E Z BE	PKPPKP	01 21 06.1			1				
	E Z BE	-	01 21 41.1			2				
	E Z BE	-	01 22 10.7			2				
	E Z BE	-	01 24 41.4			3				
	E Z BE	-	01 42 03.6			2				
BOC	-E Z B4	P	00 54 44.3	2.0	4.00	3	8330	74.3	40.1	327.4
	-I E B4	S	01 03 34.0	4.0	4.30	8				
BNS	-I Z FS	P	00 54 46.5	1.4	3.54		8380	75.3	40.0	327.1
	-I Z SL	-	00 54 46.5							
	I Z FS	PP	00 56 53.0	1.9	3.43					
	I Z FS	-	00 59 45.0							
	I Z SL	S	01 03 36.-	50.0						
	I Z SL	SS	01 03 12.-	64.0						
	E Z SL	LR	01 12 10.-							
	Z SL	-	01 15 30.-	52.0						
TNS	2I Z SL	P	00 54 47.5			9	8380	75.4	40.6	325.3
	2I Z SL	AP	00 56 50.0			9				
	I Z SL	XP	00 57 08.0			9				
	1I E SL	S	01 03 33.0			9				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-I Z SL	P	00 54 48.-	2.0	3.04	9	8420	75.7	42.1	323.1
	Z SL	MAXIMUM	01 00 30.-	12.0	4.86					
STU	-E Z BE	P	00 54 51.0	1.3	3.80	9	8470	76.1	40.9	324.6
	-E Z SL	XP	00 56 52.0	20.0	4.55	9				
	-I Z SL	S	01 03 50.0	38.0	5.54	9				
KRL	-I Z WH	P	00 54 53.0	2.5		9	8480	76.3	40.4	325.1
BUH	-I Z GT	P	00 54 53.7				8520	76.6	40.3	325.0

SEP 29 GS
H= 03 04 22.5
LAT = 60.3 S
LONG= 150.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
WEST OF MACQUARIE ISLAND

FUP	-E Z SL	PKP1	03 24 18.-	1.7	1.61	5	17060	153.5	132.8	261.4
	-I Z SL	XPKP	03 24 31.-	1.8	2.00	3				
	+I Z SL	PKP2	03 24 40.-	1.5	1.59	2				
	+I Z SL	-	03 25 35.-	1.5	1.62	2				
GRF	E Z BE	PKP	03 24 16.4			1	17180	154.5	130.4	263.9
	E Z BE	-	03 24 41.6			2				

SEP 29
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PN	12 18 37.9			
	E Z BE	PG	12 18 40.2			2
	E N BE	SG	12 19 07.3			6
						2
FUR	+I Z SL	-	12 20 18.-	1.5	1.49	2
	+I Z SL	-	12 20 54.-	1.5	1.43	7

SEP 29
NO DETERMINATION OF EPICENTER

BUH	-E Z GT	PG	15 13 17.8			

SEP 29
NO DETERMINATION OF EPICENTER

HOF= LOCAL.

GRF	E Z BE	PN	21 09 05.3			
	E Z BE	PG	21 09 15.4			1
	E N BE	SN	21 09 47.5			2
	E N BE	SG	21 10 02.5			1
BUH	E Z GT	PN	21 09 25.4			2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HOF	-I Z SL	SG	21 10 03.-	1.5	2.88	9				

SEP 30 GS
H= 04 48 08.3
LAT = 13.2 N
LONG= 145.0 E
DEPTH= 78 KM
MAGNITUDE= 5.4
MARIANA ISLANDS

BUH	E Z GT	PKP	05 06 04.5				11960	107.5	44.4	331.6

SEP 30 GS
H= 04 59 57.5
LAT = 51.6 N
LONG= 54.6 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 5.2
WESTERN RUSSIA

SEP 30 BCS
H= 05 00 00.0
LAT = 51.7 N
LONG= 54.7 E
DEPTH= 0 KM (GEOPHYSICIST)
WESTERN RUSSIA

BCIS= ARTIFICIAL (UPP). PROBABLY CIVIL ENGINEERING WORK.

GRF	+E Z BE	P	05 05 45.5	1.5	2.19	2	3030	27.3	69.2	283.3
	E Z BE	-	05 13 43.4			2				
FUR	-I N SL	PP	05 06 43.-	1.5	1.59	9	3030	27.8	66.5	280.2
	-I N SL	PPP	05 06 56.-	2.0	2.10	9				
BNS	E Z FS	P	05 06 27.4				3250	29.3	70.0	287.7

SEP 30 GS
H= 06 17 52.8
LAT = 35.6 N
LONG= 140.4 E
DEPTH= 62 KM
MAGNITUDE= 5.9
NEAR EAST COAST OF HONSHU, JAPAN

HAM	E Z SX	P	06 30 05.-			2	9060	81.5	38.8	332.6
HOF	-I Z SL	P	06 30 14.-	1.5	2.95	9	9250	83.2	39.9	329.7
	-I Z SL	PCP	06 30 19.-	2.0	3.00	6				
	+I Z SL	XP	06 30 27.-	2.0	2.92	3				
	+I Z SL	XPCP	06 30 35.-	1.5	2.40	2				
	-I Z SL	PP	06 33 25.-	1.5	2.48	2				
	-I Z SL	APP	06 33 32.-	1.5	2.48	2				
	-I Z SL	XPP	06 33 38.-	2.0	2.53	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	7 SL	RM	07 12 40.-	14.0	3.83					
GRF	+I Z BE	P	06 30 18.0	1.2	2.57	9	9330	83.9	39.4	329.6
	I Z BE	AP	06 30 36.5			2				
BNS	+I Z FS	P	06 30 20.0	1.5	2.18		9400	84.5	36.6	332.4
FUR	+I N SL	P	06 30 25.-	1.8	1.90	2	9460	85.1	39.4	328.6
	+I N SL	-	06 30 35.-	1.8	2.26	4				
	-I N SL	XPCP	06 30 45.-	1.8	2.40	9				
	+I N SL	-	06 31 02.-	1.5	1.98	1				
	Z SL	PM	07 11 30.-	17.0	3.56					
STU	+E Z BE	P	06 30 25.0	1.2	2.69	5	9500	85.5	37.3	330.1
KRL	+I Z WH	P	06 30 26.0	2.0		9	9520	85.6	37.4	330.6
BUH	+I Z GT	P	06 30 29.9				9550	85.9	37.2	330.5

SEP 30 GS
H= 20 26 13.5
LAT = 10.5 N
LONG= 62.0 W
DEPTH= 35 KM
MAGNITUDE= 4.7
NEAR COAST OF VENEZUELA

GRF	E Z BE	P	20 37 31.2			1	7920	71.2	264.0	41.0

SEP 30 GS
H= 20 55 10.1
LAT = 10.7 N
LONG= 62.0 W
DEPTH= 35 KM
MAGNITUDE= 4.1
NEAR COAST OF VENEZUELA

GRF	E Z BE	P	21 06 46.6			1	7900	71.1	264.2	41.1

OCT 01 GS
H= 14 16 23.0
LAT = 35.7 N
LONG= 140.6 E
DEPTH= 56 KM
MAGNITUDE= 5.6
NEAR EAST COAST OF HONSHU, JAPAN

HOF	+I Z SL	P	14 28 44.-	1.5	2.70	4	9240	83.1	39.8	329.7
	-E Z SL	PCP	14 28 50.-	2.0	3.70	3				
	-I Z SL	APCP	14 28 55.-	2.0	2.78	4				
	-I Z SL	XP	14 28 59.-	2.0	2.92	3				
	-E Z SL	PP	14 31 51.-	6.0	3.19	3				
	Z SL	PM	15 17 50.-	22.0	4.20					
GRF	+E Z BE	P	14 28 48.1	1.2	2.28	4	9330	83.9	39.3	329.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	+I Z BE	-	14 29 02.7			5				
	E Z BE	PPP	14 34 21.3			3				
	E Z BE	-	14 34 27.9			2				
BNS	+I Z FS	P	14 28 51.5	2.0	2.18		9390	84.4	36.5	332.5
	+E Z SL	-	14 28 51.5	7.0						
	I Z FS	-	14 29 06.-							
	E Z SL	-	14 42 32.-							
	E Z SL	LR	15 00 50.-							
	Z SL	-	15 08 30.-	26.0						
FUR	+I Z SL	P	14 28 54.-	1.5	2.43	2	9450	85.0	39.2	328.7
	+I Z SL	PCP	14 28 56.-	1.5	1.98	5				
	+I Z SL	AP	14 29 03.-	1.3	1.84	5				
	-I Z SL	XP	14 29 07.-	2.0	2.14	2				
	+I Z SL	XPCP	14 29 10.-	1.8	2.60	4				
	+I Z SL	-	14 29 35.-	1.5	2.93	9				
	Z SL	PM	15 14 00.-	25.0	3.59					
STU	E Z BE	P	14 28 54.3	1.0	2.19	2	9500	85.4	37.8	330.1
BUH	E Z GT	P	14 28 57.6				9550	85.9	37.1	330.6

OCT 01
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	P	14 34 12.-	1.5	1.36	3				
	+I Z SL	-	14 34 36.-	1.5	1.98	4				

OCT 01 GS
H= 19 41 55.4
LAT = 15.3 N
LONG= 94.4 W
DEPTH= 61 KM
MAGNITUDE= 4.9
NEAR COAST OF OAXACA, MEXICO

BNS	E Z FS	P	19 54 29.0	2.0	1.70		9490	85.4	288.4	38.4
	E Z FS	-	19 54 48.-							
GRF	E Z BE	P	19 54 42.5			1	9810	88.2	291.6	38.7

OCT 01 GS
H= 23 44 12.0
LAT = 4.5 S
LONG= 151.5 E
DEPTH=226 KM
MAGNITUDE= 5.4
NEW BRITAIN REGION

GRF	E Z BE	PKP	00 02 44.8			4	13780	123.9	50.2	330.0
	E Z BE	PP	00 04 34.0			1				
FUR	-I Z SL	PKP1	00 02 47.-	1.5	1.62	9	13880	124.8	51.0	328.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
STU	E Z BE	PKP	00 02 47.0	1.2	1.87	2	13960	125.5	48.5	330.2
BUH	E Z GT	PKP	00 02 48.8				14010	126.0	47.5	330.6

OCT 02 GS
H= 00 11 57.1
LAT = 44.4 N
LONG= 102.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
MONGOLIA

GRF	E Z BE	P	00 21 54.3			2	6530	58.7	56.9	310.6
	E Z BE	-	00 21 59.0			3				

OCT 02 GS
H= 02 59 42.2
LAT = 23.9 N
LONG= 121.6 E
DEPTH= 49 KM
MAGNITUDE= 5.1
TAIWAN

GRF	E Z BE	P	03 12 11.2			1	9380	84.3	59.5	322.3

OCT 02
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 20 05.5			2				

OCT 02 GS
H= 08 29 35.8
LAT = 42.9 N
LONG= 145.3 E
DEPTH= 52 KM
MAGNITUDE= 5.0
HOKKAIDO, JAPAN REGION

GRF	+I Z BE	P	08 41 38.7	0.8	1.38	4	8830	79.4	32.5	331.7

OCT 02
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

FUR	+I Z SL	-	10 30 24.-	1.5	1.59	2				

OCT 02
NO DETERMINATION OF EPICENTER

FUR= LOCAL.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	E SL	MAXIMUM	10 43 22.-	1.5	1.90					

OCT 02 GS
H= 12 23 23.2
LAT = 8.7 S
LONG= 115.4 E
DEPTH= 92 KM
MAGNITUDE= 5.6
BALI ISLAND REGION

GRF	E Z BE	PKP	12 41 47.2			2	11760	105.8	84.9	319.1

OCT 02 GS
H= 19 28 09.0
LAT = 43.4 N
LONG= 146.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
KURIL ISLANDS

GPF	E Z BE	P	19 40 14.8			2	8830	79.4	31.3	332.4

OCT 02 GS
H= 21 05 05.3
LAT = 10.5 N
LONG= 85.1 W
DEPTH= 88 KM
MAGNITUDE= 5.1
COSTA RICA

GRF	E Z BE	P	21 17 53.0			1	9580	86.1	231.6	40.3

OCT 03 GS
H= 04 27 40.5
LAT = 27.6 N
LONG= 112.4 W
DEPTH= 9 KM
MAGNITUDE= 5.5
BAJA CALIFORNIA

GRF	E Z BE	P	04 40 33.3			2	9810	88.3	312.3	32.7
FUR	Z SL	RM	05 21 30.-	20.0	2.10		9930	89.3	312.4	33.9

OCT 03 GS
H= 08 38 33.7
LAT = 22.2 S
LONG= 176.4 W
DEPTH= 91 KM
MAGNITUDE= 4.8
SOUTH OF FIJI ISLANDS

GRF	E Z BE	PKP	08 58 19.4			1	16890	151.9	15.1	349.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 03 GS H= 08 47 47.6 LAT = 50.1 N LONG= 179.1 W DEPTH= 37 KM MAGNITUDE= 4.8 ANDREANOF ISLANDS, ALEUTIAN IS.										
GRF	E Z BE	P	08 59 56.1			2	3920	30.2	6.7	353.2
OCT 03 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	09 29 36.1			2				
OCT 03 NO DETERMINATION OF EPICENTER FUR= GERMAN-AUSTRIAN BORDER REGION. H= 10 26 37. 47.5 DEG. N, 10.7 DEG. E.										
GAP	+I Z GT	PG	10 26 42.2	0.4						
	I Z GT	SG	10 26 45.7							
IBK	E Z GT	PG	10 26 47.0							
	E Z GT	SG	10 26 54.3							
FUR	+I Z SL	P	10 26 52.-	1.5	1.59	9				
	-I Z SL	-	10 26 57.-	1.1	2.48	2				
	Z SL	MAXIMUM	10 27 26.-	1.5	2.85					
GRF	E Z JM	PN	10 27 15.4			1				
	E Z BE	PG	10 27 22.1			4				
	E N BE	SG	10 27 48.8			2				
BUH	E Z GT	PN	10 27 23.4							
OCT 03 GS H= 10 35 51.2 LAT = 45.5 N LONG= 151.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 KURIL ISLANDS										
BNS	+I Z FS	P	10 47 53.8	1.5	1.70		8800	79.1	24.5	338.1
GRF	+I Z BE	P	10 47 54.4	1.0	1.77	6	8800	79.1	27.0	335.2
FUR	-I Z SL	P	10 48 02.-	1.5	1.70	9	8950	80.5	27.0	334.4
	-I Z SL	PCP	10 48 07.-	1.2	1.85	2				
	+I Z SL	XPCP	10 48 20.-	1.5	1.54	2				
	Z SL	QM	11 26 40.-	20.0	2.92					
BUH	E Z GT	P	10 48 02.8				9000	80.9	25.0	336.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 03 GS H= 11 08 27.2 LAT = 32.6 S LONG= 179.1 W DEPTH= 37 KM MAGNITUDE= 5.4 SOUTH OF KERMADEC ISLANDS										
HOF	-I Z SL	PKP1	11 28 21.-	3.0	2.90	9	17850	160.5	28.9	338.4
	-E Z SL	APKP	11 28 34.-	4.0	2.99	2				
	-I Z SL	PKP2	11 29 08.-	3.0	2.90	3				
	-E Z SL	PP	11 32 44.-	3.0	2.62	3				
	+E Z SL	XPP	11 33 00.-	5.0	2.95	3				
BNS	+E Z FS	PKP	11 29 29.0	2.0	1.70		17910	161.1	16.6	347.6
GRF	E Z BE	PKP1	11 28 22.4			2	17940	161.3	28.2	338.7
	E Z BE	PKP2	11 29 08.8			3				
	E Z BE	-	11 29 20.8			3				
FUR	+I Z SL	XPKP	11 28 40.-	3.0	2.46	2	18080	162.6	30.7	336.1
	+E Z SL	PKP2	11 29 15.-	3.0	2.51	2				
	-I Z SL	APKP	11 29 27.-	2.0	2.30	3				
	-I Z SL	-	11 29 34.-	1.3	1.89	1				
OCT 03 GS H= 12 41 34.1 LAT = 37.7 N LONG= 142.1 E DEPTH= 50 KM MAGNITUDE= 4.7 OFF EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	12 53 54.3			2	9200	82.7	37.2	330.3
OCT 03 GS H= 12 54 52.3 LAT = 45.7 N LONG= 151.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	E Z BE	P	13 06 54.8			1	8780	78.9	27.0	335.1
OCT 03 GS H= 15 51 35.0 LAT = 17.7 S LONG= 176.9 W DEPTH=360 KM MAGNITUDE= 4.9 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	16 10 38.4			2	16390	147.4	14.5	350.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
OCT 03										
NO DETERMINATION OF EPICENTER										
FUP= LOCAL.										
FUP	-E E SL	-	15 51 38.-	1.3	1.38	3				
	E SL	MAXIMUM	15 52 20.-	1.5	1.89					
OCT 04 GS										
H= 06 26 28.3										
LAT = 15.5 S										
LONG= 172.3 W										
DEPTH= 25 KM										
MAGNITUDE= 4.5										
SAMOA ISLANDS REGION										
GRF	+E Z BE	PKP	06 46 06.6			2	16210	145.8	6.0	356.0
OCT 04 GS										
H= 13 38 44.6										
LAT = 45.8 N										
LONG= 151.7 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
KURIL ISLANDS										
GRF	E Z BE	P	13 50 47.2			2	8780	78.9	27.0	335.1
OCT 04 GS										
H= 17 59 48.8										
LAT = 21.1 S										
LONG= 179.2 W										
DEPTH=[illegible] KM										
MAGNITUDE= 5.1										
FIJI ISLANDS REGION										
GRF	+E Z BE	PKP	18 18 30.3	0.8	1.38	2	16710	150.3	19.9	346.3
FUP	+I Z SL	PKP?	18 18 46.-	1.5	1.53	5	16870	151.7	21.0	345.1
FUP	E Z GT	PKP	18 18 33.4				16890	151.9	14.8	349.5
OCT 04 GS										
H= 18 59 51.6										
LAT = 45.6 N										
LONG= 151.7 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.8										
KURIL ISLANDS										
GRF	E Z BE	P	19 09 04.1			3	8770	78.9	26.9	335.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
OCT 04										
NO DETERMINATION OF EPICENTER										
BNS	+I Z FS	-	19 18 28.9							
OCT 05 GS										
H= 04 52 11.1										
LAT = 36.3 N										
LONG= 21.2 E										
DEPTH= 27 KM										
MAGNITUDE= 4.1										
SOUTHERN GREECE										
OCT 05 BCS										
H= 04 52 14.0										
LAT = 36.0 N										
LONG= 21.7 E										
SOUTHERN GREECE										
GRF	E Z BE	P	04 56 01.2			1	1690	15.2	147.7	334.6
OCT 05 GS										
H= 05 45 27.3										
LAT = 33.0 S										
LONG= 71.9 W										
DEPTH= 14 KM										
MAGNITUDE= 5.8										
NEAR COAST OF CENTRAL CHILE										
NOS= MINOR DAMAGE AT VALPARAISO, FELT (V) AT SANTIAGO, AND (III) IN MENDOZA, ARGENTINA AREA. MAG. 6.3 (PAS), 6.5 (BRK).										
BUH	E Z GT	PKP	06 03 59.4				12020	108.1	240.6	43.4
BNS	+E Z SL	P	05 59 55.-	18.0			12080	108.6	240.6	40.9
	E Z SL	-	06 02 12.-							
	+E Z FS	PP	06 04 21.3							
	E Z SL	-	06 06 40.-							
	E Z SL	-	06 14 42.-							
	E Z SL	LR	06 42 00.-	24.0						
	Z SL	-	06 54 00.-	17.0						
FUP	-I Z SL	P	06 00 07.-	1.8	1.78	3	12190	109.6	242.4	44.9
	-I Z SL	-	06 03 30.-	1.8	1.90	4				
	-E Z SL	APKP	06 04 09.-	1.8	1.85	4				
	-I Z SL	PP	06 04 33.-	1.8	2.38	4				
	-I Z SL	APP	06 04 39.-	1.8	2.18	3				
	+I Z SL	XPP	06 04 44.-	2.0	2.94	3				
	-I Z SL	-	06 06 49.-	2.0	2.24	3				
	+I Z SL	PPP	06 06 54.-	2.0	2.33	3				
	+I Z SL	-	06 07 02.-	2.0	2.35	4				
	Z SL	RM	06 50 30.-	20.0	4.66					
GRF	E Z BE	P	06 00 03.1			1	12260	110.3	242.8	43.4
	E Z BE	PKP	06 03 51.7			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	PKP	06 04 33.7			2				
HLG	+ Z SL	PP	06 04 34.-			1	12290	110.5	242.0	38.2
HOF	-I Z SL	PP	06 04 38.-	3.0	3.02	3	12340	111.0	243.5	43.0
	-I Z SL	PPP	06 06 56.-	4.0	3.02	3				
	-E Z SL	PS	06 14 08.-	10.0	3.74	5				
	Z SL	RM	06 56 41.-	17.0	5.09					
BRN	-E Z ET	PP	06 04 47.-	4.0		2	12520	112.6	245.1	41.4

OCT 05 GS
H= 05 47 51.1
LAT = 32.5 S
LONG= 71.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.8
NEAR COAST OF CENTRAL CHILE

BRN	+E Z ET	PP	06 07 08.-	4.0		2	12460	112.0	245.2	41.1

OCT 05
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	05 59 26.3							

OCT 05 GS
H= 07 07 33.8
LAT = 32.9 S
LONG= 71.9 W
DEPTH= 24 KM
MAGNITUDE= 5.6
NEAR COAST OF CENTRAL CHILE

FUR	+E Z SL	PKP1	07 26 04.-	1.8	1.78	3	12180	109.6	242.4	44.9
	+E Z SL	XPKP	07 26 16.-	2.0	1.88	2				
	+E Z SL	PP	07 26 40.-	1.5	1.23	2				
	-I Z SL	PPP	07 29 03.-	1.5	1.36	6				
HOF	+E Z SL	PP	07 26 41.-	2.0	2.53	2	12330	110.9	243.5	43.0
	+E Z SL	PPP	07 29 07.-	3.0	2.90	3				
	-E Z SL	PPS	07 37 37.-	2.0	2.22	1				
	Z SL	RM	08 12 30.-	17.0	4.34					

OCT 05
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	08 30 48.9			1				
	E N BE	SG	08 31 19.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

OCT 05 BCS
H= 10 26 55.0
LAT = 45.5 N
LONG= 14.3 E
YUGOSLAVIA

OCT 05 GS
H= 10 26 55.2
LAT = 45.5 N
LONG= 14.3 E
DEPTH= 18 KM
YUGOSLAVIA

FUR	-I Z SL	SG	10 28 29.-	1.5	1.49	3	380	3.4	141.0	323.2
	Z SL	MAXIMUM	10 28 53.-	1.5	1.54					
GRF	E Z BE	PN	10 28 07.1			1	520	4.7	152.4	334.7
	E Z BE	PG	10 28 23.4			1				
	E N BE	SG	10 29 26.5			1				
BUH	E Z GT	PN	10 28 13.7				580	5.2	125.2	309.6

OCT 05 GS
H= 11 30 51.7
LAT = 45.5 N
LONG= 14.3 E
DEPTH= 22 KM
YUGOSLAVIA

OCT 05 BCS
H= 11 30 52.0
LAT = 45.5 N
LONG= 14.3 E
YUGOSLAVIA

BCIS= FELT (III) AT KLANA AND JELSANE (45 DEG. 30 MIN. N, 14 DEG. 20 MIN. E). FELT AT ILIRSKA BISTRICA AND RIJEKA.

FUP	-E Z SL	PB	11 31 48.-	1.5	1.28	6	380	3.4	141.7	323.8
	+I Z SL	PG	11 31 56.-	1.7	1.81	4				
	+I Z SL	SN	11 32 20.-	1.0	2.18	2				
	+I Z SL	SB	11 32 25.-	1.5	1.70	2				
	Z SL	MAXIMUM	11 33 20.-	1.5	2.05					
GRF	E Z BE	PN	11 32 05.1			1	530	4.7	152.8	335.1
	E Z BE	PG	11 32 18.6			1				
	I N BE	SN	11 32 58.1			4				
	E N BE	SG	11 33 18.1			2				
STU	+E Z BE	PG	11 32 04.8	0.5	1.69	2	530	4.8	131.8	315.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	11 32 10.8				580	5.2	125.7	310.1

OCT 05 GS
H= 21 20 23.4
LAT = 43.4 N
LONG= 146.7 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	+E Z BE	P	21 32 28.3	0.9	1.33	2	8830	79.4	31.3	332.4

OCT 06 GS
H= 04 24 49.5
LAT = 33.1 S
LONG= 72.1 W
DEPTH= 21 KM
MAGNITUDE= 5.0
OFF COAST OF CENTRAL CHILE

HOF	Z SL	RM	05 35 40.-	17.0	3.70		12360	111.1	243.5	43.1

OCT 06
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	I 7 FS	PG	09 14 30.5							
	E E X	SG	09 14 36.5							
	E 7 FS		09 14 41.5	1.3	1.90					

OCT 06 GS
H= 15 07 37.3
LAT = 60.8 S
LONG= 21.5 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 6.2
SOUTHWESTERN ATLANTIC OCEAN

BUH	E Z GT	P	15 22 42.0				12430	111.8	195.2	20.8
FUR	+E Z SL	-	15 22 37.-	1.0	1.88	4	12440	111.8	196.6	23.0
	-I Z SL	-	15 22 40.-	1.5	1.43	4				
	+E Z SL	-	15 22 50.-	2.0	2.05	5				
	-I Z SL	PKP1	15 26 29.-	2.0	2.27	2				
	-I Z SL	XPKP	15 26 40.-	2.0	2.33	2				
	Z SL	QM	16 08 00.-	22.0	4.56					
KRL	+E Z WH	PKP	15 26 37.0	3.0		3	12470	112.1	195.3	20.8
GRF	E Z BE	P	15 22 31.1			2	12600	113.3	196.8	22.5
	E Z 9E	PKIKP	15 26 00.1			1				
	E Z BE	PKP	15 26 27.4			2				
	E Z BE	PP	15 27 07.2			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z BE	PS	15 37 01.7			1				
TNS	2E Z SL	PKP	15 25 58.3			3	12600	113.3	195.5	20.5
	E Z SL	PP	15 27 04.5			4				
	Z SL	PKS	15 29 43.-			5				
	E Z SL	SP	15 36 53.-			5				
	E N SL	SS	15 43 04.-			4				
BNS	E Z SL	P	15 22 20.-				12650	113.8	194.9	19.4
	E Z FS	PKP	15 26 13.-							
	E Z FS	-	15 26 30.-							
	E Z FS	PP	15 27 06.5	5.0	3.15					
	I Z SL	-	15 28 54.-							
	-I Z SL	SP	15 36 54.-							
	I Z SL	SS	15 43 28.-							
	I Z SL	LR	16 02 10.-							
	Z SL	-	16 03 00.-	38.0						
HOF	+I Z SL	XPKP	15 26 33.-	2.0	2.53	2	12680	114.0	197.2	22.7
	+I Z SL	PP	15 27 13.-	5.0	3.73	3				
	+I Z SL	PPP	15 29 37.-	5.5	3.86	8				
	+E Z SL	-	15 31 36.-	10.0	3.89	4				
	-E Z SL	-	15 37 05.-	7.0	3.53	2				
	-E Z SL	SSP	15 43 23.-	10.0	4.00	2				
	Z SL	QM	16 10 00.-	20.0	5.06					
BRN	-E Z ET	PP	15 27 27.5	6.0		2	12930	116.3	198.1	22.9

OCT 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	21 16 21.4							

OCT 06 GS
H= 21 19 58.2
LAT = 34.9 N
LONG= 26.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
CRETE

OCT 06 BCS
H= 21 20 01.0
LAT = 34.7 N
LONG= 26.2 E
CRETE

FUR	-E Z SL	P	21 24 04.-	2.0	1.80	5	1930	17.3	134.5	324.5
	-E Z SL	PPP	21 24 29.-	2.0	1.94	7				
	-I Z SL	-	21 24 37.-	1.5	1.36	2				
GRF	E Z 9E	P	21 24 15.2			1	2050	18.5	137.7	327.9
BUH	E Z GT	P	21 24 20.5				2130	19.2	129.3	321.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BNS	E Z FS	P	21 24 47.5				2360	21.2	132.0	325.2

OCT 07
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	07 17 43.7			2				

OCT 07 GS
H= 07 36 45.1
LAT = 16.0 S
LONG= 172.8 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SAMOA ISLANDS REGION

BNS	+E Z FS	PKP	07 56 20.6	1.5	1.78		16130	145.1	359.9	0.0
HOF	+E Z SL	PKP1	07 56 24.-	1.5	2.40	9	16180	145.5	7.9	354.7
GRF	-E Z BE	PKP	07 56 25.4	1.5	2.10	3	16260	146.2	6.9	355.3
BUH	E Z GT	PKP	07 56 25.6				16390	147.4	1.8	358.8
FUR	-E Z SL	PKP1	07 56 29.-	1.5	1.59	5	16430	147.7	7.3	354.9
	+I Z SL	PKHKP	07 56 31.-	1.7	2.09	3				
	+E Z SL	XPKP	07 56 45.-	1.7	1.61	3				
	-E Z SL	XPKP	07 56 52.-	1.5	1.54	9				

OCT 07 GS
H= 09 27 02.2
LAT = 42.3 N
LONG= 146.6 E
DEPTH= 27 KM
MAGNITUDE= 5.2
OFF COAST OF HOKKAIDO, JAPAN

GRF	E Z BE	P	09 39 12.8	1.1	1.51	2	8940	80.4	31.9	332.4
BNS	I Z FS	P	09 39 13.8	1.2	1.30		8960	80.6	29.3	335.4
	E Z FS	-	09 39 52.8							
FUR	-I Z SL	P	09 39 20.-	1.8	1.85	2	9080	81.6	31.8	331.6
	+I Z SL	AP	09 39 30.-	1.5	1.43	2				
	-I Z SL	XP	09 39 35.-	1.2	1.48	1				
BUH	E Z GT	P	09 39 37.7				9140	82.2	29.8	333.6

OCT 07
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	15 20 09.0							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

OCT 08 GS
H= 03 46 09.0
LAT = 17.8 S
LONG= 178.3 W
DEPTH=544 KM
MAGNITUDE= 5.4
FIJI ISLANDS REGION

GRF	-E Z BE	PKP	04 04 53.1	0.8	1.28	2	16380	147.3	16.9	348.6
	E Z BE	APKP	04 06 57.8			1				
BUH	E Z GT	PKP	04 04 52.9				16540	148.7	12.0	351.7

OCT 08 GS
H= 05 26 27.6
LAT = 45.7 N
LONG= 151.7 E
DEPTH= 60 KM (GEOPHYSICIST)
MAGNITUDE= 4.5
KURIL ISLANDS

GRF	E Z BE	P	05 38 27.8			1	8780	79.0	27.1	335.1

OCT 08
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	15 50 22.0							

OCT 08
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	16 22 09.9							

OCT 08
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST SUPPOSED.

BNS	E Z FS	SG	19 08 41.5							
	E Z FS		19 08 52.2	1.5	1.70					

OCT 08 GS
H= 22 00 32.8
LAT = 28.6 N
LONG= 142.3 E
DEPTH= 35 KM
MAGNITUDE= 4.7
BONIN ISLANDS REGION

GRF	E Z BE	P	22 13 34.5			1	10090	90.8	41.5	330.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 09 GS H= 01 44 57.5 LAT = 16.3 N LONG= 122.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 LUZON, PHILIPPINE ISLANDS										
HOF	Z SL	RM	02 41 30.-	15.0	3.77		10020	90.1	64.1	323.1
GRF	E Z BE	P	01 58 02.6			1	10090	90.7	63.6	322.7
FUR	+E Z SL	APCP	01 58 09.-	1.5	1.58	2	10160	91.4	63.7	321.3
	E SL	RM	02 43 35.-	16.0	3.34					
OCT 09 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	04 09 14.9							
OCT 09 GS H= 07 47 14.9 LAT = 43.3 N LONG= 146.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 KURIL ISLANDS										
GRF	+E Z BE	P	07 59 20.5	0.9	1.43	3	8850	79.6	31.2	332.5
OCT 09 GS H= 07 57 31.0 LAT = 14.2 S LONG= 167.2 E DEPTH= 9 KM MAGNITUDE= 5.8 NEW HEBRIDES ISLANDS										
HOF	-E Z SL	PP	08 19 56.-	5.0	3.18	3	15440	138.8	37.9	336.0
	-E Z SL	PKS	08 20 41.-	7.0	3.44	9				
	-E Z SL	PPP	08 23 00.-	4.0	2.85	2				
GRF	E Z BE	PKP	08 17 07.0			1	15520	139.6	37.4	336.0
	E Z BE	PP	08 20 43.4			2				
BNS	-E Z FS	PKP	08 17 16.3				15560	140.0	31.0	340.4
	E Z FS	-	08 20 05.-							
FUR	-I Z SL	PKP1	08 17 05.-	1.8	1.85	1	15650	140.7	38.6	334.5
	-I Z SL	-	08 17 31.-	1.5	1.62	2				
	+E Z SL	PP	08 20 06.-	1.5	1.59	5				
	+E Z SL	PPP	08 23 12.-	2.0	2.10	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 09 GS H= 19 06 02.0 LAT = 7.4 N LONG= 35.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 CENTRAL MID-ATLANTIC RIDGE										
GRF	+E Z BE	P	19 15 47.7	0.8	1.36	2	6360	57.2	238.7	34.0
OCT 09 BCS H= 21 53 08.0 LAT = 48.0 N LONG= 7.6 E FRANCE										
BUH	E Z GT	PN	21 53 21.6				90	0.8	216.1	35.6
OCT 09 BCS H= 23 01 52.0 LAT = 49.2 N LONG= 6.8 E FRANCE BCIS= REGION OF MERLEBACH/MOSELLE, PROBABLY ROCKBURST OR COAL BUMP.										
BUH	E Z GT	PN	23 02 12.4				120	1.1	297.8	116.7
OCT 10 GS H= 04 41 34.2 LAT = 55.6 N LONG= 162.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 NEAR EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	04 53 08.6			2	8040	72.3	16.8	340.7
OCT 10 GS H= 11 05 35.4 LAT = 34.4 N LONG= 28.3 E DEPTH= 63 KM MAGNITUDE= 4.5 EASTERN MEDITERRANEAN SEA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 10 BCS H= 11 05 37.0 LAT = 34.3 N LONG= 28.4 E DEPTH= 60 KM EASTERN MEDITERRANEAN SEA										
GRF	E Z BE	P	11 09 45.0			1	2200	19.8	134.2	325.7
BUH	E Z GT	P	11 10 12.0				2290	20.6	126.3	319.8
OCT 10 NO DETERMINATION OF EPICENTER										
FUP= LOCAL.										
FUP	+E Z SL	-	13 48 45.-	1.5	1.28	1				
	Z SL	MAXIMUM	13 49 16.-	1.5	1.62					
OCT 11 GS H= 00 01 24.1 LAT = 29.7 N LONG= 113.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 GULF OF CALIFORNIA										
BNS	E Z FS	P	00 13 54.0	1.5	1.60		9360	84.2	311.2	33.2
BUH	E Z GT	P	00 14 03.1				9590	86.2	312.1	34.4
GRF	E Z BE	P	00 14 07.3			2	9670	86.9	314.3	32.3
FUP	-I Z SL	P	00 14 13.-	1.8	1.78	6	9790	88.0	314.3	33.4
	+I Z SL	PCP	00 14 15.-	1.8	1.95	3				
	+I Z SL	AP	00 14 20.-	1.8	1.90	3				
OCT 11 GS H= 02 07 40.5 LAT = 0.8 N LONG= 23.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 CENTRAL MID-ATLANTIC RIDGE										
NOS= FIRST OF A COMPLEX MULTIPLE EVENT WITH THE SECOND EVENT AT 02 07 52.7.										
BUH	E Z GT	P	02 17 28.4				6400	57.5	226.1	28.5
BNS	E Z FS	P	02 17 37.3	2.0	1.78		6520	58.7	224.0	26.1
FUP	+I Z SL	P	02 17 36.-	1.5	1.53	9	6530	58.7	229.5	30.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+I Z SL	AP	02 17 45.-	1.2	1.78	2				
	+I Z SL	XP	02 17 50.-	1.5	1.76	4				
	-I Z SL	APCP	02 18 33.-	1.9	2.44	7				
	+I Z SL	PP	02 19 49.-	1.8	2.30	2				
	+I Z SL	PPP	02 21 12.-	1.8	2.15	2				
	+I Z SL	-	02 21 26.-	1.3	2.18	1				
	-I Z SL	-	02 21 35.-	2.5	2.50	9				
	-I Z SL	-	02 21 51.-	2.0	2.30	1				
	Z SL	RM	02 36 30.-	35.0	4.36					
GRF	+E Z BE	P	02 17 43.0			3	6630	59.7	228.7	29.2
OCT 11 GS H= 02 07 52.7 LAT = 0.6 N LONG= 23.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.8 CENTRAL MID-ATLANTIC RIDGE										
BUH	E Z GT	P	02 17 41.5				6430	57.8	226.3	28.6
KRL	+I Z WH	P	02 17 44.4	3.0		6	6470	58.2	226.3	28.5
STU	+E Z SL	P	02 17 46.0	16.0	3.42	2	6490	58.4	227.3	29.1
	+E Z SL	S	02 25 50.0	20.0	4.08	5				
BNS	+E Z FS	P	02 17 50.0	2.5	2.61		6560	59.0	224.2	26.2
	+E Z SL	-	02 17 51.-	8.0						
	+E Z SL	S	02 25 57.-	28.0						
	E Z SL	SS	02 29 52.-							
	E Z SL	LR	02 35 10.-	40.0						
FUR	+I Z SL	P	02 17 50.-	1.5	1.76	4	6560	59.0	229.6	30.7
	+I Z SL	PCP	02 18 40.-	1.5	2.10	6				
	-I Z SL	APCP	02 18 48.-	2.8	2.85	5				
	-I Z SL	PP	02 20 02.-	1.5	2.89	4				
	-I Z SL	XPP	02 20 14.-	2.2	2.59	2				
	+I Z SL	PPP	02 21 26.-	1.8	2.18	1				
	-I Z SL	-	02 21 36.-	2.5	2.53	9				
	-I Z SL	-	02 21 51.-	2.0	2.27	1				
	-E Z SL	-	02 22 03.-	2.6	2.54	3				
	+E Z SL	-	02 26 12.-	9.0	3.36	3				
	Z SL	RM	03 06 30.-	35.0	4.36					
TNS	1 Z SL	P	02 17 50.0			5	6560	59.0	225.3	27.4
	E Z SL	PP	02 18 39.5			2				
	E Z SL	PPP	02 21 19.0			4				
	E E SL	S	02 26 09.0			7				
GRF	E Z BE	P	02 17 54.5			3	6670	60.0	228.9	29.3
	E Z BE	-	02 17 57.5			4				
HOF	-E Z SL	P	02 18 00.-	4.0	3.39	4	6750	60.7	229.3	29.1
	-I Z SL	AP	02 18 09.-	6.5	3.79	3				
	-I Z SL	PCP	02 18 43.-	2.0	2.33	4				
	-E Z SL	PP	02 20 11.-	4.0	3.25	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	+E Z SL	APP	02 20 26.-	4.0	3.25	3				
	+E Z SL	PPP	02 21 41.-	5.0	2.95	2				
	-E Z SL	-	02 21 53.-	5.0	3.18	3				
	+I Z SL	-	02 22 07.-	6.0	3.44	2				
	-E Z SL	-	02 22 23.-	9.0	3.59	1				
	+E Z SL	PS	02 26 26.-	13.0	4.08	4				
	Z SL	QM	02 42 10.-	17.0	4.50					
HLG	+ Z SL	P	02 18 04.-			1	6850	61.6	223.7	23.9
BRN	+E Z ET	P	02 18 17.-	3.8		2	6970	62.7	229.8	27.9

OCT 11 GS
H= 08 39 00.8
LAT = 18.0 S
LONG= 178.7 W
DEPTH=654 KM
MAGNITUDE= 4.7
FIJI ISLANDS REGION

GRF	E Z BE	PKP	08 57 35.4			2	16390	147.4	17.8	348.0

OCT 11
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	+I Z SL	P	10 43 04.-	1.5	2.58	8				

OCT 11
NO DETERMINATION OF EPICENTER

BUH	-I Z GT	PG	16 04 43.4							

OCT 11 GS
H= 18 32 35.4
LAT = 34.9 N
LONG= 141.6 E
DEPTH= 52 KM
MAGNITUDE= 4.6
OFF EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	18 45 07.8			3	9450	85.0	39.0	330.2
FUR	Z SL	MAXIMUM	19 28 30.-	14.0	3.02		9530	86.2	38.9	329.2

OCT 11 GS
H= 19 34 04.6
LAT = 29.7 N
LONG= 113.4 W
DEPTH= 32 KM
MAGNITUDE= 4.9
GULF OF CALIFORNIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	19 46 47.2			2	9660	86.9	314.2	32.4

OCT 11
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	19 45 56.1							
	E Z FS	-	19 46 32.5							

OCT 11 GS
H= 21 19 42.7
LAT = 18.3 S
LONG= 178.1 W
DEPTH=619 KM
MAGNITUDE= 5.1
FIJI ISLANDS REGION

GRF	-I Z BE	PKP	21 38 21.9			3	16440	147.8	16.7	348.6
	+E Z BE	-	21 38 26.0			4				
FUR	+I Z SL	PKP1	21 38 25.-	1.0	1.98	5	16600	149.3	17.6	347.7
	+I Z SL	PKHKP	21 38 30.-	1.8	1.90	3				

OCT 12
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PG	01 28 19.2							

OCT 12 GS
H= 02 54 07.7
LAT = 37.7 N
LONG= 72.0 E
DEPTH= 11 KM
MAGNITUDE= 5.3
TADZHIK SSR

GRF	E Z BE	P	03 02 20.5			2	4930	44.3	81.7	305.8
	E Z BE	AP	03 02 23.0			4				
FUR	+I Z SL	P	03 02 24.-	1.8	2.30	9	4950	44.5	80.2	303.7
	-I Z SL	AP	03 02 29.-	1.5	1.62	2				
	+I Z SL	PP	03 04 06.-	1.5	1.54	3				
	-I Z SL	XPCP	03 04 24.-	1.5	1.59	2				
BUH	E Z GT	P	03 02 35.9				5160	46.4	78.8	304.9
	E Z GT	P	03 02 39.0							
BNS	E Z FS	P	03 02 41.0	1.8	1.70		5190	46.7	80.2	308.2
	E Z FS	-	03 02 54.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 12 GS H= 05 54 27.7 LAT = 43.7 N LONG= 127.5 W DEPTH= 6 KM MAGNITUDE= 5.4 OFF COAST OF OREGON										
BNS	E Z FS	P	06 06 34.0	2.5	1.95		8650	77.8	328.2	27.4
BUH	E Z GT	P	06 06 39.5				8910	80.1	329.1	28.0
FUR	-I Z SL	PCP	06 06 52.-	2.0	1.94	7	9070	81.6	331.1	26.5
	-I Z SL	XPCP	06 07 04.-	1.5	1.49	4				
OCT 12 GS H= 07 51 13.1 LAT = 29.8 N LONG= 113.4 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 GULF OF CALIFORNIA										
GRF	E Z BE	P	08 03 46.0			1	9660	86.8	314.3	32.3
OCT 12 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	10 00 06.4			1				
	E N BE	SG	10 00 41.5			2				
OCT 12 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	15 37 47.9			1				
	E Z JM	PG	15 37 48.8			2				
	E N BE	SG	15 38 12.3			1				
BNS	E Z FS	SG	15 38 06.0	1.0	1.48					
OCT 12 NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PG	16 21 15.9			1				
	E N BE	SG	16 21 41.4			2				
OCT 12 GS H= 17 00 00.8 LAT = 37.2 N LONG= 116.2 W DEPTH= 0 KM MAGNITUDE= 4.8 SOUTHERN NEVADA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOS= 37 DEG. 12 MIN. 1.4 SEC. N, 116 DEG. 12 MIN. 11.5 SEC. W, NEVADA TEST SITE #HUSKY ACE# (AEC). MAG. 4.6 (BRK).										
GRF	E Z BE	P	17 12 21.7			1	9100	81.8	320.2	31.4
OCT 12 GS H= 13 04 29.3 LAT = 16.0 S LONG= 74.0 W DEPTH= 47 KM MAGNITUDE= 5.3 NEAR COAST OF PERU										
GRF	E Z BE	P	18 18 07.0			1	11010	99.0	256.0	40.9
OCT 12 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	18 09 17.5			2				
OCT 13 GS H= 01 43 47.2 LAT = 29.6 N LONG= 113.6 W DEPTH= 15 KM MAGNITUDE= 5.2 GULF OF CALIFORNIA										
HAM	E Z SX	P	01 56 17.-			2	9330	83.9	313.1	30.1
GRF	E Z BE	P	01 56 33.4			2	9690	87.1	314.3	32.2
FUR	-I Z SL	P	01 56 40.-	2.0	2.10	2	9810	88.2	314.4	33.3
OCT 13 GS H= 10 00 10.1 LAT = 42.3 N LONG= 145.8 E DEPTH= 40 KM (GEOPHYSICIST) MAGNITUDE= 4.8 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	10 12 17.6			1	8900	80.1	32.4	332.0
OCT 13 GS H= 16 24 27.3 LAT = 41.9 N LONG= 142.3 E DEPTH= 71 KM MAGNITUDE= 4.9 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	16 36 26.6	0.7	1.39	2	8810	79.2	35.0	330.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	OCT 1973
	E Z BE	PCP	16 36 47.8			2				

OCT 13 GS
H= 20 24 37.2
LAT = 30.7 N
LONG= 131.9 E
DEPTH= 12 KM
MAGNITUDE= 5.1
KYUSHU, JAPAN

GRF	E Z BE	P	20 37 10.6			2	9370	84.2	48.1	325.9
	E Z BE	AP	20 37 21.6			2				

OCT 13 GS
H= 21 09 51.7
LAT = 29.4 N
LONG= 113.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
GULF OF CALIFORNIA

FUR	Z SL	PM	22 00 00.-	20.0	3.10		9820	88.3	314.3	33.3

OCT 13 GS
H= 21 10 49.3
LAT = 4.8 N
LONG= 32.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
CENTRAL MID-ATLANTIC RIDGE

GRF	E Z BE	P	21 20 40.9			2	6450	58.0	234.5	32.0
	E Z BE	PP	21 23 36.0			2				

OCT 13
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	21 17 04.8			2				
	E N BE	SG	21 17 36.4			2				

OCT 13
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	21 17 50.5			1				
	E N BE	SG	21 18 21.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.	OCT 1973

OCT 13 GS
H= 22 30 47.9
LAT = 5.0 N
LONG= 32.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
CENTRAL MID-ATLANTIC RIDGE

GRF	E Z BE	P	22 40 37.3			2	6420	57.8	234.6	32.1

OCT 14 GS
H= 06 26 54.4
LAT = 58.6 N
LONG= 31.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
NORTH ATLANTIC OCEAN

GRF	E Z BE	P	06 32 29.2			2	2930	26.3	306.3	90.8

OCT 14 BCS
H= 08 16 41.0
LAT = 46.3 N
LONG= 7.4 E
SWITZERLAND

OCT 14 GS
H= 08 16 45.3
LAT = 46.6 N
LONG= 7.4 E
DEPTH= 33 KM (NORMAL)
SWITZERLAND

BUH	E Z GT	PN	08 17 19.5				270	2.4	193.6	13.0
GRF	E Z JM	PG	08 18 00.2			1	470	4.3	218.5	35.7
	E N BE	SG	08 18 59.4			2				

OCT 14 GS
H= 09 56 14.8
LAT = 5.1 N
LONG= 32.7 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
CENTRAL MID-ATLANTIC RIDGE

FUR	-I Z SL	P	10 06 01.-	1.5	1.59	1	6330	56.9	235.6	33.7
	+I Z SL	-	10 06 06.-	2.0	2.05	3				
	+I Z SL	AP	10 06 10.-	2.0	2.21	3				
GRF	E Z BE	P	10 06 05.5			1	6430	57.8	234.7	32.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
OCT 14 GS H= 18 07 05.7 LAT = 34.8 N LONG= 26.2 E DEPTH= 45 KM MAGNITUDE= 4.8 CRETE										
OCT 14 BCS H= 18 07 12.0 LAT = 34.8 N LONG= 26.5 E DEPTH=100 KM CRETE										
FUR	+I Z SL	AP	18 11 12.-	2.0	2.10	2	1940	17.4	134.8	324.8
	+I Z SL	PP	18 11 20.-	1.5	1.43	?				
	+I Z SL	XPP	18 11 32.-	2.0	2.10	1				
	-I Z SL	-	18 11 38.-	1.8	1.90	3				
	+I Z SL	-	18 11 41.-	2.0	2.21	2				
	+I Z SL	-	18 11 49.-	1.5	1.59	2				
	Z SL	RM	18 19 00.-	15.0	3.61					
GRF	E Z BE	P	18 11 20.7			2	2060	18.6	137.9	328.1
HOF	Z SL	PM	18 20 30.-	12.0	3.77		2090	18.8	140.6	330.4
STU	E Z BE	P	18 11 24.0	0.9	1.67	2	2100	18.9	131.7	323.1
BUH	E Z GT	P	18 11 29.3				2140	19.3	129.6	321.6
BNS	E Z FS	P	18 11 49.5				2370	21.3	132.2	325.4
OCT 14 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	19 44 05.3			2				
OCT 14 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	20 57 23.5			2				
OCT 14 GS H= 22 06 50.4 LAT = 6.4 S LONG= 154.9 E DEPTH= 60 KM MAGNITUDE= 5.4 SOLOMON ISLANDS										
GRF	E Z BE	PKP	22 25 43.6			1	14140	127.1	47.6	331.1
	E Z BE	PKP	22 26 05.3			2				
	E Z BE	PP	22 28 17.6			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
OCT 14 GS H= 22 07 46.8 LAT = 35.0 N LONG= 39.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 NORTH OF SEVERNAYA ZEMLYA										
HAM	E Z SX	P	22 14 55.-			2	4110	37.0	8.3	276.2
BNS	E Z FS	P	22 15 17.0	1.6	1.70		4410	39.7	7.8	278.3
HOF	-I Z SL	P	22 15 19.-	2.0	2.76	3	4440	39.9	7.8	273.6
	-I Z SL	AP	22 15 26.-	2.0	2.70	2				
	+I Z SL	-	22 15 39.-	2.0	2.64	4				
GRF	-E Z BE	P	22 15 25.0	1.0	1.81	3	4510	40.6	7.7	274.1
	E Z BE	-	22 15 32.9			2				
	E Z BE	S	22 21 59.3			1				
STU	E Z BE	P	22 15 34.3	1.0	2.01	3	4640	41.7	7.5	275.9
BUH	E Z GT	P	22 15 35.3				4660	41.9	7.5	276.3
FUR	-I Z SL	P	22 15 37.-	1.9	2.19	9	4680	42.1	7.4	273.7
	-I Z SL	AP	22 15 45.-	1.5	1.59	3				
	-I Z SL	-	22 15 57.-	1.8	2.00	5				
	E SL	QM	22 30 00.-	23.0	3.33					
OCT 15 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	03 33 54.5			2				
	E Z BE	-	03 34 08.2			2				
OCT 15 GS H= 04 04 00.7 LAT = 40.1 N LONG= 142.4 E DEPTH= 54 KM MAGNITUDE= 4.5 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	04 16 10.5			2	9930	90.3	35.3	330.3
OCT 15 GS H= 06 24 35.9 LAT = 32.7 S LONG= 179.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 SOUTH OF KERMADEC ISLANDS										
HOF	-E Z SL	PKP?	06 45 13.-	2.0	2.70	4	17340	160.4	30.4	337.4
	+E Z SL	APKP	06 45 20.-	1.5	2.44	9				

0.0143847
0.0859605
0.9961947

1132.5 Km

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 17										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PN	14 59 01.4			1				
	E Z BE	PG	14 59 02.1			2				
	E N BE	SG	14 59 18.0			2				
OCT 17										
NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	15 01 15.3			1				
	E Z BE	PG	15 01 15.9			3				
	E N BE	SG	15 01 32.1			2				
OCT 17										
NO DETERMINATION OF EPICENTER										
GRF	E Z JM	PN	15 02 51.6			1				
	E Z BE	PG	15 02 52.2			2				
	E E BE	SG	15 03 08.3			2				
OCT 17										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 37 18.1							
OCT 17										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	18 16 16.1							
OCT 17										
NO DETERMINATION OF EPICENTER										
BNS= KOBLENZ AREA SUPPOSED, GERMANY. NO MACROSEISMIC OBSERVATIONS.										
H= 20 18 16, MLOC= 2.2.										
BNS	E Z FS	PG	20 18 26.7							
	+I N X	SG	20 18 34.2	0.7	2.08					
	+E E X	-	20 18 34.3	0.7	2.00					
BUH	E Z GT	PN	20 18 46.6							
OCT 17 GS										
H= 20 24 52.2										
LAT = 7.5 N										
LONG= 77.2 W										
DEPTH= 15 KM										
MAGNITUDE= 4.9										
PANAMA-COLOMBIA BORDER REGION										
BUH	E Z GT	P	20 37 10.3				9060	81.4	271.6	41.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 17 GS										
H= 21 02 24.9										
LAT = 17.4 N										
LONG= 93.8 W										
DEPTH=202 KM										
MAGNITUDE= 4.7										
CHIAPAS, MEXICO										
BUH	E Z GT	P	21 14 38.0				9430	84.8	290.3	40.6
GRF	E Z BE	P	21 14 46.0			2	9600	86.3	292.4	38.9
	E Z BE	AP	21 15 34.6			2				
OCT 17 GS										
H= 22 46 59.9										
LAT = 25.4 S										
LONG= 13.7 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.5										
SOUTH ATLANTIC RIDGE										
GRF	E Z BE	P	22 58 56.9			2	8630	78.0	202.9	16.3
OCT 18 GS										
H= 01 09 04.8										
LAT = 9.2 N										
LONG= 84.0 W										
DEPTH= 41 KM										
MAGNITUDE= 5.3										
COSTA RICA										
BNS	+I Z FS	P	01 21 31.0	1.5	1.90		9310	83.7	276.7	39.5
BUH	E Z GT	P	01 21 34.5				9410	84.6	277.7	41.7
HAM	E Z SX	P	01 21 37.-			4	9460	85.0	278.6	36.8
STU	E Z BE	P	01 21 38.0	1.3	2.00	2	9480	85.3	278.4	41.5
GRF	E Z BE	P	01 21 45.0	1.6	2.16	1	9610	86.4	279.9	40.4
FUR	-I Z SL	P	01 21 47.-	1.5	1.76	3	9640	86.7	280.0	41.9
	-I Z SL	AP	01 21 57.-	1.8	2.00	3				
	+I Z SL	XP	01 22 02.-	1.8	2.00	2				
	Z SL	OM	01 55 00.-	20.0	3.03					
OCT 18										
NO DETERMINATION OF EPICENTER										
BNS	I Z FS	SG	09 46 49.5	1.2	1.60					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 18 GS H= 10 49 37.5 LAT = 19.4 N LONG= 105.0 W DEPTH= 45 KM MAGNITUDE= 6.0 NEAR COAST OF JALISCO, MEXICO										
HLG	Z	SL P	11 02 20.-			2	9680	87.1	299.4	32.8
BNS	+I	Z FS P	11 02 26.3	1.5	2.26		9810	88.3	299.0	35.9
	+I	Z SL -	11 02 26.3	11.0						
	I	Z FS -	11 02 32.9							
	E	Z SL PP	11 05 55.-							
		Z SL -	11 40 00.-	20.0						
KRL	+E	Z ST P	11 02 33.0	2.2		2	10000	89.9	299.9	37.2
	+E	Z WH P	11 02 33.1	3.0		3				
BUH	E	Z GT P	11 02 33.5				10010	90.0	299.8	37.5
STU	+E	Z BE P	11 02 35.9	2.3	2.85	3	10060	90.5	300.5	37.1
	E	E SL S	11 13 12.0	14.0	3.34	3				
GRF	+E	Z BE P	11 02 39.9	1.6	2.51	8	10130	91.1	302.1	35.7
	E	Z BE -	11 02 46.3			4				
HOF	-I	Z SL P	11 02 39.-	2.0	3.03	9	10140	91.2	302.6	34.9
	+I	Z SL APCP	11 02 46.-	3.0	3.12	2				
	+I	Z SL PP	11 06 14.-	3.0	3.97	9				
	+E	Z SL PPS	11 15 24.-	8.0	3.52	2				
		Z SL RM	11 48 30.-	14.0	4.14					
FUR	+I	Z SL P	11 02 44.-	2.0	2.75	9	10230	92.0	302.1	36.9
	-I	Z SL APCP	11 02 50.-	2.0	2.81	5				
	+I	Z SL AP	11 02 54.-	2.0	2.44	6				
	-E	Z SL -	11 03 18.-	2.6	2.57	4				
		Z SL RM	11 51 30.-	14.0	3.72					
OCT 18 GS H= 11 40 23.4 LAT = 65.0 N LONG= 99.6 E DEPTH= 33 KM (NORMAL) 11378 MAGNITUDE= 4.9 NORTH OF SEVERNAYA ZEMLYA										
GRF	E	Z BE P	11 48 02.1	1.2	1.95	2	4520	40.6	7.8	274.3
BUH	E	Z GT P	11 43 12.0				4660	41.9	7.6	277.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 18 GS H= 13 48 38.3 LAT = 20.0 N LONG= 62.9 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 NORTH ATLANTIC OCEAN										
GRF	E	Z BE P	13 59 16.3			1	7200	64.8	271.6	43.7
OCT 19 GS H= 00 13 00.5 LAT = 54.7 S LONG= 158.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.8 MACQUARIE ISLANDS REGION										
FUR	+E	Z SL XPKP	00 33 11.-	1.7	1.61	1	17650	158.7	120.3	265.6
	+I	Z SL PKP2	00 33 32.-	1.5	1.49	4				
	-I	Z SL APKP	00 33 43.-	1.5	1.54	4				
	-I	Z SL PP	00 37 14.-	1.8	1.95	2				
	+E	Z SL APP	00 37 23.-	1.8	1.90	8				
HOF	-I	Z SL PKP2	00 33 38.-	1.5	2.52	1	17720	159.3	115.3	271.4
GRF	-E	Z BE PKP	00 33 34.3			3	17730	159.5	116.8	269.3
BUH	E	Z GT PKP	00 33 38.9				17870	160.7	119.6	263.9
OCT 19 GS H= 00 16 04.5 LAT = 36.9 N LONG= 21.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 SOUTHERN GREECE										
OCT 19 BCS H= 00 16 07.0 LAT = 36.8 N LONG= 21.7 E SOUTHERN GREECE										
GRF	E	Z BE P	00 19 37.7			2	1640	14.8	145.7	332.8
OCT 19 NO DETERMINATION OF EPICENTER										
GRF	E	Z BE P	03 22 48.0			2				
OCT 19 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z JM	PN	08 59 31.6			1				
	E Z JM	-	08 59 32.1			2				
	E Z JM	PG	08 59 34.1			4				
	E N BE	SG	08 59 54.7			1				

OCT 19
NO DETERMINATION OF EPICENTER

STU= NEAR ROTTENBURG, BADEN-WUERTTEMBERG, GERMANY. NORTHERN FORELAND OF THE SWABIAN JURA. H= 09 16 06.7, 48 DEG. 32 MIN. N, 8 DEG. 55 MIN. E, DEPTH= 8 KM, M(LOCAL)= 2.2.

BUH	E Z GT	PG	09 16 16.8							

OCT 19
NO DETERMINATION OF EPICENTER

HOF= LOCAL.

HOF	+I Z SL	P	11 07 19.-	1.5	3.01	8				

OCT 19
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	+E Z SL	-	11 10 47.-	1.5	1.49	3				
	Z SL	MAXIMUM	11 11 18.-	1.9	2.22					

OCT 19 GS
H= 21 04 07.8
LAT = 44.1 N
LONG= 143.0 E
DEPTH= 51 KM
MAGNITUDE= 4.7
KURIL ISLANDS

GRF	E Z BE	P	21 16 11.5			2	8850	79.6	29.5	333.6

OCT 19 GS
H= 23 40 09.3
LAT = 44.2 N
LONG= 149.0 E
DEPTH= 51 KM
MAGNITUDE= 5.2
KURIL ISLANDS

GRF	+I Z BE	P	23 52 12.6	0.8	1.53	3	8840	79.5	29.4	333.7
FUR	-E Z SL	P	23 52 19.-	1.8	1.95	5	8930	80.8	29.3	332.9
	+I Z SL	XP	23 52 33.-	1.5	1.59	5				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

OCT 20 GS
H= 00 24 36.3
LAT = 44.1 N
LONG= 149.1 E
DEPTH= 49 KM
MAGNITUDE= 4.7
KURIL ISLANDS

GRF	E Z BE	P	00 36 40.3			2	8860	79.6	29.4	333.7

OCT 20
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	06 26 58.2							

OCT 20
NO DETERMINATION OF EPICENTER

BNS	E Z FS	PG	10 37 48.8							
	E N X	SG	10 38 03.0							
	E Z FS		10 38 10.-	1.2	1.78					

OCT 20 GS
H= 16 11 17.5
LAT = 18.3 S
LONG= 178.2 W
DEPTH=596 KM
MAGNITUDE= 4.5
FIJI ISLANDS REGION

GRF	E Z BE	PKP	16 29 57.6			2	16440	147.8	17.0	348.4

OCT 20 GS
H= 18 07 47.1
LAT = 41.7 N
LONG= 143.7 E
DEPTH= 38 KM
MAGNITUDE= 4.7
HOKKAIDO, JAPAN REGION

GRF	+E Z BE	P	18 19 54.2			2	8890	79.9	34.1	330.9

OCT 20 GS
H= 19 53 05.5
LAT = 21.7 S
LONG= 179.4 W
DEPTH=614 KM
MAGNITUDE= 5.4
FIJI ISLANDS REGION

HOF	-I Z SL	PKP1	20 11 48.-	1.5	2.70	4	16630	150.1	21.3	345.5
	-E Z SL	PKHKP	20 11 56.-	2.0	2.37	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BNS	+I Z FS	PKP	20 11 49.1	1.2	1.95		16720	150.3	12.4	351.6
	E Z FS	-	20 13 12.4							
GRF	-I Z BE	PKP	20 11 50.9	1.0	1.77	3	16770	150.8	20.5	345.8
	+I Z BE	-	20 12 01.2			9				
STU	E Z BE	PKP	20 11 45.9	1.4	1.88	2	16920	152.1	17.2	347.8
	E Z BE	-	20 12 05.0	1.0	1.60	2				
FUR	+I Z SL	PKP1	20 11 47.-	1.6	1.54	2	16930	152.2	21.7	344.6
	+I Z SL	PKHKP	20 11 54.-	1.5	1.66	6				
	+I Z SL	PKP2	20 12 07.-	1.5	1.69	9				
	+E Z SL	APKP	20 14 20.-	1.5	1.28	1				
BUH	E Z GT	PKP	20 11 46.2				16950	152.4	15.4	349.1

OCT 21 GS
H= 10 59 53.5
LAT = 53.8 N
LONG= 163.1 W
DEPTH= 44 KM
MAGNITUDE= 4.8
UNIMAK ISLAND REGION

GRF	E Z BE	P	11 11 43.0			2	8540	76.8	356.5	3.8

OCT 21 GS
H= 13 39 20.7
LAT = 21.2 S
LONG= 178.7 W
DEPTH=572 KM
MAGNITUDE= 5.0
FIJI ISLANDS REGION

GRF	E Z BE	PKP	13 58 18.2			2	16730	150.5	19.0	346.9

OCT 21 GS
H= 13 45 09.5
LAT = 15.1 S
LONG= 176.5 W
DEPTH= 50 KM (GEOPHYSICIST)
MAGNITUDE= 4.8
FIJI ISLANDS REGION

GRF	E Z BE	PKP	14 04 41.7			2	16120	144.9	13.1	351.2
FUR	+I Z SL	PKP1	14 04 50.-	1.5	1.54	2	16280	146.4	13.7	350.5
	-I Z SL	XPKP	14 05 13.-	2.0	2.00	8				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

OCT 21 GS
H= 14 02 45.2
LAT = 24.1 S
LONG= 176.5 W
DEPTH= 85 KM (GEOPHYSICIST)
MAGNITUDE= 5.1
SOUTH OF FIJI ISLANDS

GRF	E Z BE	PKP	14 22 45.6			1	17100	153.8	16.0	348.7
	E Z BE	APKP	14 23 10.3			3				
FUR	+I Z SL	PKP2	14 23 16.-	1.3	1.93	2	17260	155.2	17.1	347.6

OCT 21 GS
H= 19 40 18.4
LAT = 35.6 N
LONG= 140.7 E
DEPTH= 60 KM
MAGNITUDE= 4.7
NEAR EAST COAST OF HONSHU, JAPAN

GRF	+E Z BE	P	19 52 44.4			2	9350	84.0	39.2	329.7

OCT 22
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	-	13 55 23.-	1.8	1.85	2				
	+I Z SL	-	13 55 53.-	1.5	1.49	4				

OCT 22
NO DETERMINATION OF EPICENTER

BNS	I Z FS	-	15 49 55.3	1.0	1.95					

OCT 22
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	18 20 12.3			2				
	E N BE	SG	18 20 51.4			2				

OCT 23 GS
H= 10 50 58.6
LAT = 45.7 N
LONG= 26.5 E
DEPTH=174 KM
MAGNITUDE= 4.9
RUMANIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 23 BCS										
H= 10 51 00.0										
LAT = 45.7 N										
LONG= 26.6 E										
DEPTH=170 KM										
RUMANIA										
BCIS= FELT WIDELY IN RUMANIA.										
FUR	+I Z SL	P	10 53 28.-	1.5	1.73	3	1190	10.7	97.7	288.8
	-I Z SL	-	10 53 40.-	1.5	1.70	2				
	-I Z SL	-	10 53 49.-	1.8	1.95	2				
	+I Z SL	XPP	10 54 22.0	1.3	1.89	2				
GRF	+E Z BE	P	10 53 33.0	0.8	1.49	4	1230	11.0	105.4	296.7
BUH	E Z GT	P	10 53 54.1				1420	12.8	96.7	290.1
OCT 23										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	16 03 34.5			2				
	E N BE	SG	16 04 07.0			2				
BUH	E Z GT	PN	16 04 58.0							
OCT 23										
NO DETERMINATION OF EPICENTER										
FUR	+I Z SL	-	16 15 12.-	1.5	1.43	2				
OCT 23 GS										
H= 21 28 26.2										
LAT = 17.9 N										
LONG= 106.2 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
OFF COAST OF JALISCO, MEXICO										
GRF	E Z BE	P	21 41 34.2			1	10340	93.0	302.2	35.3
OCT 23										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 14 51.4			2				
OCT 24										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	01 03 47.0			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 24										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	01 44 26.6			1				
OCT 24 GS										
H= 03 08 19.2										
LAT = 16.8 S										
LONG= 177.1 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
FIJI ISLANDS REGION										
GRF	E Z BE	PKP	03 27 58.4			1	16290	146.5	14.6	350.2
FUR	+E Z SL	PKP2	03 28 08.-	1.7	1.61	5	16450	148.0	15.3	349.4
	-E Z SL	APKP	03 28 19.-	1.5	1.36	3				
OCT 24 GS										
H= 04 27 54.8										
LAT = 48.3 N										
LONG= 146.2 E										
DEPTH=470 KM										
MAGNITUDE= 4.6										
SEA OF OKHOTSK										
GRF	+E Z BE	P	04 38 48.6	0.6	1.15	2	8330	74.9	29.3	331.6
OCT 24 GS										
H= 04 43 26.6										
LAT = 56.0 N										
LONG= 162.9 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
NEAR EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	04 54 49.3			2	8010	72.0	16.3	341.1
OCT 24 GS										
H= 04 51 33.0										
LAT = 41.5 N										
LONG= 79.5 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.6										
KIRGIZ-SINKIANG BORDER REGION										
GRF	E Z BE	P	05 00 05.2			1	5220	46.9	72.7	304.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 24 GS H= 05 23 50.9 LAT = 33.1 N LONG= 75.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 EASTERN KASHMIR										
GRF	+E Z BE	P	05 32 42.5	1.0	1.66	4	5530	49.7	84.0	309.7
FUP	+I Z SL	P	05 32 43.-	1.3	2.03	9	5540	49.9	82.7	307.7
	-I Z SL	AP	05 32 52.-	1.2	2.00	9				
	-I 7 SL	-	05 33 43.-	1.5	1.62	2				
STU	+E Z 9E	P	05 32 52.0	0.7	1.75	3	5690	51.1	81.8	308.7
BUH	+E 7 GT	P	05 32 56.9				5760	51.8	81.1	308.7
OCT 24 NO DETERMINATION OF EPICENTER HOF= EXPLOSION.										
HOF	-I 7 SL	P	12 11 53.-	1.0	2.41	4				
OCT 24 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	12 51 58.5							
	E N X	SG	12 52 04.-							
	E Z FS		12 52 09.-	1.0	2.23					
OCT 24 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	16 33 24.3							
	E Z FS	-	16 34 30.5							
OCT 24 GS H= 19 57 17.9 LAT = 33.1 N LONG= 75.7 E DEPTH= 52 KM MAGNITUDE= 5.0 EASTERN KASHMIR										
GRF	E Z BE	P	20 06 03.0			1	5520	49.6	84.1	309.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 25 GS H= 01 19 16.6 LAT = 45.5 N LONG= 26.5 E DEPTH=137 KM MAGNITUDE= 3.8 RUMANIA										
GRF	E Z BE	P	01 21 52.7			1	1240	11.1	106.1	297.4
OCT 25 GS H= 06 41 11.3 LAT = 13.8 N LONG= 120.2 E DEPTH= 63 KM MAGNITUDE= 5.6 MINDORO, PHILIPPINE ISLANDS										
HOF	+I Z SL	P	06 54 13.-	4.0	3.02	3	10100	90.8	67.2	322.5
	+E Z SL	PP	06 57 44.-	6.0	3.05	3				
	Z SL	RM	07 37 00.-	19.0	4.28					
GRF	+E Z BE	P	06 54 11.9			2	10170	91.5	66.8	322.1
	E Z BE	-	06 57 24.1			2				
FUP	-I Z SL	P	06 54 15.-	2.0	2.14	1	10230	92.0	66.8	320.7
	+I Z SL	-	06 54 20.-	1.8	2.32	9				
	-I Z SL	APCP	06 54 25.-	1.8	1.15	3				
	+I Z SL	PP	06 57 58.-	1.8	1.05	9				
	Z SL	RM	07 37 30.-	20.0	3.40					
BNS	E Z FS	PP	06 58 06.8				10370	93.3	63.5	324.4
	E Z SL	S	07 06 34.-							
	Z SL	-	07 38 30.-	19.0						
BUH	-E Z GT	P	06 54 22.5				10420	93.7	64.5	322.0
OCT 25 GS H= 14 08 59.5 LAT = 22.0 S LONG= 63.7 W DEPTH=529 KM MAGNITUDE= 6.1 SALTA PROVINCE, ARGENTINA										
BUH	-I Z GT	P	14 21 25.4				10570	95.0	242.3	39.2
	I Z GT	P	14 23 23.5							
KRL	-E Z WH	P	14 21 27.9	2.4		3	10590	95.3	242.5	39.0
BNS	-I Z FS	P	14 21 27.9	2.0	2.53		10620	95.5	241.7	36.3
	-I Z SL	-	14 21 28.-							
	+I Z FS	PP	14 23 25.8	1.9	2.56					
	+I E X	SKS	14 31 15.-							
	-I Z SL	SP	14 33 16.-							
	E Z SL	LR	14 42 05.-	40.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
STU	-I Z BE	P	14 21 28.5	1.2	2.69	6	10630	95.6	243.0	39.4
	E Z BE	XP	14 23 26.0	1.4	2.85	3				
	+I E SL	S	14 31 15.2	16.0	3.89	7				
FUR	-I Z SL	P	14 21 23.-	1.5	2.57	9	10740	96.6	244.5	40.6
	+I Z SL	AP	14 23 32.-	1.8	3.10	3				
	+I Z SL	PP	14 25 35.-	1.5	2.19	5				
	+I Z SL	APP	14 27 17.-	1.8	2.40	9				
GRF	-I Z BE	P	14 21 36.4	1.4	2.64	9	10810	97.2	244.6	39.2
	E Z BE	-	14 23 01.4			2				
	+I Z BE	AP	14 23 34.6	1.0	2.44	6				
	E Z BE	PP	14 25 37.7			2				
	E Z BE	PKKP	14 33 44.3			2				
	E Z BE	-	14 40 05.0			2				
	E Z BE	PKPPKP	14 46 25.0			2				
HOF	+I Z SL	P	14 21 38.-	3.0	3.42	9	10880	97.9	245.1	38.8
	-I Z SL	AP	14 23 36.-	2.0	3.22	6				
	-I Z SL	PP	14 25 44.-	2.0	3.00	4				
	+I Z SL	APP	14 27 34.-	2.0	2.87	4				
	+E Z SL	-	14 29 40.-	5.0	3.13	4				
	-E Z SL	-	14 30 38.-	5.0	3.25	1				
	-E Z SL	SKS	14 31 18.-	4.0	3.02	1				
	+E Z SL	SKKS	14 31 48.-	6.0	3.35	1				
	-I Z SL	SP	14 33 45.-	8.0	3.91	4				
	+I Z SL	PS	14 34 57.-	5.0	3.31	3				
	+E Z SL	SS	14 39 19.-	4.0	3.02	2				
BRN	-E Z ET	P	14 21 47.-	4.0	3.22	3	11060	99.5	246.4	37.2
	-E Z ET	AP	14 23 46.-			3				
	+I E ET	SKS	14 31 37.0	5.0	3.60	5				

OCT 25
NO DETERMINATION OF EPICENTER

FUR	+I Z SL	-	14 45 48.-	2.0	2.10	9				
	+I Z SL	-	14 46 28.-	1.9	2.05	3				

OCT 25 GS
H= 15 10 40.2
LAT = 21.8 S
LONG= 63.6 W
DEPTH=548 KM
MAGNITUDE= 5.3
SOUTHERN BOLIVIA

FUR	-I Z SL	AP	15 25 15.-	1.8	2.00	3	10720	96.4	244.5	40.6
	-E Z SL	PP	15 27 12.-	3.5	2.73	5				
GRF	E Z BE	AP	15 25 17.7			2	10790	97.0	244.6	39.2
	E Z BE	PP	15 27 15.0			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

OCT 26 GS
H= 03 23 09.2
LAT = 56.3 N
LONG= 162.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
NEAR EAST COAST OF KAMCHATKA

GRF	E Z BE	P	03 34 30.8			2	7980	71.8	16.2	341.0

OCT 26 GS
H= 04 26 57.7
LAT = 49.8 N
LONG= 78.2 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 5.3
EASTERN KAZAKH SSR

OCT 26 BCS
H= 04 27 00.0
LAT = 49.9 N
LONG= 79.0 E
DEPTH= 0 KM (GEOPHYSICIST)
EASTERN KAZAKH SSR

BCIS= SEMIPALATINSK AREA. ARTIFICIAL (UPP).

GRF	+E Z BE	P	04 34 52.9	0.9	1.49	3	4670	42.0	63.2	296.6
STU	E Z BE	P	04 35 05.0	0.9	1.72	2	4840	43.6	61.5	296.3
BUH	+E Z GT	P	04 35 09.8				4910	44.2	61.0	296.7

OCT 26 GS
H= 05 40 56.1
LAT = 59.1 N
LONG= 135.4 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
SOUTHEASTERN ALASKA

GRF	E Z BE	P	05 51 54.4			2	7580	68.2	342.2	22.7
BUH	E Z GT	P	05 51 57.0				7620	68.5	340.8	25.0
FUR	+E Z SL	P	05 52 05.-	1.5	1.43	2	7750	69.7	342.4	23.1

OCT 26 GS
H= 05 59 57.6
LAT = 53.7 N
LONG= 55.4 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 4.8
URAL MOUNTAINS REGION

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
OCT 26 BCS H= 06 00 00.0 LAT = 53.7 N LONG= 55.6 E DEPTH= 0 KM URAL MOUNTAINS REGION										
BCIS= ARTIFICIAL (UPP). PROBABLY CIVIL ENGINEERING WORK.										
GRF	E Z BE	P	06 05 46.2			2	3040	27.3	64.6	279.8
OCT 26 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	08 22 08.0	1.8	1.70					
OCT 26 GS H= 10 09 10.9 LAT = 45.3 N LONG= 150.0 E DEPTH= 60 KM (GEOPHYSICIST) MAGNITUDE= 4.8 KURIL ISLANDS										
GRF	E Z BE	P	10 21 09.3			2	8760	78.8	28.3	334.1
OCT 26 GS H= 11 10 28.7 LAT = 17.8 N LONG= 106.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 OFF COAST OF JALISCO, MEXICO										
GRF	E Z BE	P	11 23 42.3			2	10340	93.0	302.1	35.3
FUP	+I Z SL	P	11 23 48.-	1.5	1.59	5	10430	93.8	302.0	36.6
	-I Z SL	APCP	11 23 53.-	1.8	1.95	2				
OCT 26 GS H= 14 47 05.0 LAT = 11.7 N LONG= 126.1 E DEPTH= 70 KM MAGNITUDE= 5.0 PHILIPPINE ISLANDS REGION										
GRF	E Z BE	PP	15 04 39.9			1	10740	96.6	63.4	323.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
OCT 26 GS H= 15 11 59.1 LAT = 20.4 S LONG= 177.7 W DEPTH=525 KM (GEOPHYSICIST) MAGNITUDE= 4.7 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	15 30 50.8			2	16670	149.9	16.9	348.4
OCT 26 GS H= 18 35 33.4 LAT = 29.0 N LONG= 142.4 E DEPTH= 43 KM MAGNITUDE= 5.1 SOUTH OF HONSHU, JAPAN										
GRF	E Z BE	P	18 48 34.2			2	10060	90.5	41.2	330.7
OCT 27 BCS H= 00 19 50.0 LAT = 35.1 N LONG= 14.7 E MEDITERRANEAN SEA										
GRF	E Z BE	P	00 23 17.-			1	1650	14.8	168.8	351.1
OCT 27 GS H= 06 59 57.4 LAT = 70.8 N LONG= 54.2 E DEPTH= 0 KM (GEOPHYSICIST) MAGNITUDE= 6.9 NOVAYA ZEMLYA										
OCT 27 BCS H= 07 00 00.0 LAT = 70.8 N LONG= 53.0 E DEPTH= 0 KM (GEOPHYSICIST) NOVAYA ZEMLYA										
BCIS= ARTIFICIAL. NOS= FELT ON UPPER FLOORS OF SOME BUILDINGS IN JOENSUK, KOUVOLA AND LAHTI, FINLAND. MAG. 6.7 (PAS), 7.2 (BRK).										
BRN	+I Z ET	P	07 05 33.3	1.5	4.12	9	2890	26.0	29.7	246.5
HLG	+I Z SL	P	07 05 34.6				2900	26.1	32.9	254.8
HOF	-I Z SL	P	07 05 54.-	2.0	4.26	9	3140	28.2	28.1	245.9
	+I E SL	PP	07 06 40.-	2.0	3.64	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I E SL	S	07 10 59.-	1.5	3.06	3				
	E SL	OM	07 15 30.-	2.5	4.32					
BOC	+I Z BH	P	07 05 56.3	1.3	4.26	9	3180	28.6	30.3	252.5
GRF	+I Z BE	P	07 06 00.6			9	3220	29.0	27.8	246.0
BNS	+I Z FS	P	07 06 01.1	1.3	3.88					
	+I Z SL	-	07 06 01.1	3.0			3240	29.1	29.9	252.0
	E Z SL	-	07 11 16.-							
	E Z SL	LR	07 13 44.-	48.0						
	Z SL	-	07 18 48.-	15.0						
TNS	+I Z ST	P	07 06 04.0							
	E Z ST	PP	07 06 46.0				3260	29.3	28.9	249.8
	E Z SL	PPP	07 07 05.-							
	E Z ST	PCP	07 08 12.0							
FUP	+I E SL	P	07 06 14.-	1.8	3.18	9	3370	30.3	26.5	244.6
STU	+I Z BE	P	07 06 12.8	0.8	3.47					
	+E N SL	S	07 11 17.2	16.0	3.31		3380	30.4	27.6	247.6
KRL	+I Z WH	P	07 06 13.5	1.6		9				
	+I Z ST	P	07 06 13.5	1.4		9	3380	30.4	27.9	248.7
BUH	+I Z GT	P	07 06 16.2							
							3420	30.8	27.7	248.6

OCT 27
NO DETERMINATION OF EPICENTER

FUP	-I Z SL	P	07 38 05.-	1.5	1.89	9				
	-I Z SL	-	07 39 19.-	1.5	1.66	3				
GRF	+E Z BE	P	07 38 10.4			2				
	E Z BE	-	07 39 19.7			2				

OCT 27 GS
H= 07 44 27.2
LAT = 16.1 S
LONG= 168.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	08 04 08.2			1	15980	143.7	37.8	335.3
FUP	+I Z SL	PKP1	08 04 05.-	1.5	1.66	2				
	+I Z SL	APKP	08 04 16.-	1.8	2.00	5	16110	144.8	39.2	333.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

OCT 27 GS
H= 07 53 38.2
LAT = 18.0 S
LONG= 169.1 E
DEPTH= 29 KM
MAGNITUDE= 5.3
NEW HEBRIDES ISLANDS

GRF	+E Z BE	PKP	08 13 15.9			2	15980	143.7	37.3	335.6
FUR	+I Z SL	PKHKP	08 13 14.-	1.8	1.85	7	16110	144.9	38.7	333.9
	-I Z SL	PKP1	08 13 17.-	1.5	1.81	3				
	-I Z SL	-	08 13 20.-	1.5	2.16	2				
	-I Z SL	APKP	08 13 27.-	1.4	1.86	2				
	+E Z SL	XPKP	08 13 29.-	1.5	1.70	1				

OCT 27 GS
H= 08 21 20.7
LAT = 70.9 N
LONG= 52.9 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 4.4
NOVAYA ZEMLYA

GRF	E Z BE	P	08 27 23.0			2	3180	28.6	27.2	244.3

OCT 27 GS
H= 09 13 51.3
LAT = 71.3 N
LONG= 51.9 E
DEPTH= 0 KM (GEOPHYSICIST)
MAGNITUDE= 4.8
NOVAYA ZEMLYA

GRF	E Z BE	P	09 13 49.7			2	3170	28.5	26.1	242.4

OCT 27 GS
H= 09 50 38.2
LAT = 24.6 N
LONG= 62.1 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
NEAR COAST OF WEST PAKISTAN

GRF	E Z BE	P	09 59 05.3	1.0	1.57	3	5180	46.5	103.3	316.0

OCT 27
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	11 00 58.3			2				
	E N BE	SG	11 01 44.1			1				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 27										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	13 29 54.-							
OCT 27 GS										
H= 15 41 48.8										
LAT = 14.4 N										
LONG= 53.3 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.7										
ARABIAN SEA										
FUR	+E Z SL	P	15 50 28.-	2.0	1.88	3	5370	48.3	119.7	323.1
	+I Z SL	-	15 50 32.-	2.0	1.88	3				
	+I Z SL	AP	15 50 35.-	2.0	2.05	3				
	-I Z SL	XP	15 50 42.-	1.8	1.85	7				
GRF	E Z BE	P	15 50 36.6			2	5460	49.1	120.8	324.8
OCT 27										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 17 53.6			1				
OCT 28 GS										
H= 03 56 15.4										
LAT = 48.4 N										
LONG= 17.1 E										
DEPTH= 2 KM										
CZECHOSLOVAKIA										
OCT 28 BCS										
H= 03 56 16.0										
LAT = 48.4 N										
LONG= 17.1 E										
CZECHOSLOVAKIA										
BCIS= FELT V AT PLAVECKY AND STURTOK, IV-V AT JABLONOVE, LOTGRNO, LAB AND ZOHOR.										
FUR	+E Z SL	PG	03 57 40.-	1.5	1.18	1	430	3.9	84.1	268.4
	+E Z SL	SB	03 58 16.-	1.8	1.60	1				
	+I Z SL	SG	03 58 24.-	1.1	2.00	1				
	Z SL	MAXIMUM	04 00 06.-	1.5	1.76					
HOF	-E Z SL	SB	03 58 22.-	1.5	2.63	3	430	3.9	117.1	301.1
	-I Z SL	SG	03 58 30.-	1.5	2.80	3				
GRF	E Z BE	P	03 57 19.2			1	450	4.1	106.0	290.5
	E Z BE	-	03 57 35.1			2				
	E E BE	S	03 58 22.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	PN	03 57 45.4				650	5.9	89.2	275.8
BNS	E Z FS	-	03 59 58.5	1.5	1.30		770	6.9	107.8	295.3
OCT 28 BCS										
H= 10 01 51.0										
LAT = 67.1 N										
LONG= 19.4 W										
ICELAND REGION										
OCT 28 GS										
H= 10 01 54.1										
LAT = 66.6 N										
LONG= 19.9 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.5										
ICELAND REGION										
GRF	E Z BE	P	10 06 58.7			1	2590	23.3	329.7	123.2
OCT 28 BCS										
H= 10 42 48.0										
LAT = 67.1 N										
LONG= 19.4 W										
ICELAND REGION										
OCT 28 GS										
H= 10 42 50.6										
LAT = 66.7 N										
LONG= 19.7 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.4										
ICELAND REGION										
GRF	E Z BE	P	10 47 55.0			1	2590	23.3	329.7	123.2
OCT 28 BCS										
H= 10 48 18.0										
LAT = 67.1 N										
LONG= 19.4 W										
ICELAND REGION										
OCT 28 GS										
H= 10 48 23.0										
LAT = 66.7 N										
LONG= 19.3 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.3										
ICELAND REGION										
BNS	+E Z FS	P	10 53 03.5	1.5	1.48		2320	20.9	330.6	127.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	P	10 53 26.0			1	2590	23.3	329.7	123.2

OCT 28 BCS
H= 11 12 00.0
LAT = 67.1 N
LONG= 19.4 W
ICELAND REGION

OCT 28 GS
H= 11 12 02.5
LAT = 67.0 N
LONG= 19.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
ICELAND REGION

BNS	E Z FS	P	11 16 39.8	2.0	1.85		2320	20.9	330.6	127.5
BUH	E Z GT	P	11 17 06.0				2580	23.2	332.6	128.8
GRF	E Z BE	P	11 17 08.2			4	2590	23.3	329.7	123.2
FUR	+I Z SL	P	11 17 21.-	1.9	2.05	3	2740	24.6	331.4	125.0
	+E Z SL	AP	11 17 28.-	2.0	1.88	3				

OCT 28 BCS
H= 11 15 27.0
LAT = 67.1 N
LONG= 19.4 W
ICELAND REGION

GRF	E Z BE	P	11 20 45.0			1	2590	23.3	329.7	123.2

OCT 28 BCS
H= 11 31 40.0
LAT = 67.1 N
LONG= 19.4 W
ICELAND REGION

OCT 28 GS
H= 11 31 44.1
LAT = 66.9 N
LONG= 19.2 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
ICELAND REGION

BNS	+E Z FS	P	11 36 21.5	2.0	2.30		2320	20.9	330.6	127.5
	I Z FS	-	11 36 24.0							
	E Z FS	-	11 38 23.-							
	E Z SL	-	11 40 22.-							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E Z SL	LR	11 41 40.-	34.0						
	Z SL	-	11 44 00.-	20.0						
BRN	-E Z ET	P	11 36 32.0	2.5	2.70	2	2410	21.7	325.2	116.6
HOF	+I Z SL	P	11 36 47.-	2.5	2.80	3	2560	23.0	328.6	121.5
	-E Z SL	XP	11 36 57.-	3.0	2.83	3				
	Z SL	RM	11 47 45.-	11.0	3.41					
BUH	E Z GT	P	11 36 47.7				2580	23.2	332.6	128.8
GRF	E Z BE	P	11 36 48.9	2.2	2.60	1	2590	23.3	329.7	123.2
FUR	+I Z SL	P	11 37 03.-	2.0	2.40	7	2740	24.6	331.4	125.0
	-E Z SL	PP	11 37 39.-	2.0	2.10	2				
	-E Z SL	PPP	11 37 47.-	2.0	2.10	3				
	+E Z SL	-	11 37 58.-	2.0	1.88	6				
	Z SL	RM	11 49 00.-	13.0	3.30					

OCT 28 BCS
H= 11 47 33.0
LAT = 67.1 N
LONG= 19.4 W
ICELAND REGION

OCT 28 GS
H= 11 47 37.6
LAT = 66.8 N
LONG= 19.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
ICELAND REGION

BNS	E Z FS	P	11 52 14.6	2.0	1.78		2320	20.9	330.6	127.5

OCT 28 BCS
H= 12 01 44.0
LAT = 67.1 N
LONG= 19.4 W
ICELAND REGION

OCT 28 GS
H= 12 01 47.8
LAT = 67.3 N
LONG= 19.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.4
ICELAND REGION

GRF	E Z BE	P	12 06 53.8			1	2590	23.3	329.7	123.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 28 GS H= 13 44 45.9 LAT = 33.0 S LONG= 179.2 W DEPTH= 35 KM MAGNITUDE= 5.5 SOUTH OF KERMADEC ISLANDS										
GRF	E Z BE	PKP2	14 05 21.1			2	17980	161.7	28.7	338.2
OCT 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	14 13 50.0			2				
OCT 28 BCS H= 14 25 50.0 LAT = 67.1 N LONG= 19.4 W ICELAND REGION										
OCT 28 GS H= 14 25 54.2 LAT = 66.9 N LONG= 19.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 ICELAND REGION										
BNS	E Z FS	P	14 30 32.8	1.8	1.70		2320	20.9	330.6	127.5
	E Z FS	-	14 31 08.5							
	E Z SL	-	14 32 32.-							
	E Z SL	LP	14 32 36.-	40.0						
BUH	E Z GT	P	14 30 59.0				2580	23.2	332.6	128.8
GRF	E Z BE	P	14 30 59.1			2	2590	23.3	329.7	123.2
OCT 28 GS H= 22 22 12.9 LAT = 35.6 N LONG= 140.7 E DEPTH= 57 KM MAGNITUDE= 4.9 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	22 34 39.4			3	9350	84.0	39.2	329.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 29 GS H= 05 27 25.5 LAT = 3.0 S LONG= 139.3 E DEPTH= 36 KM MAGNITUDE= 5.7 WEST NEW GUINEA										
GRF	E Z BE	PP	05 47 07.6			2	12900	116.0	61.1	325.3
FUR	-E Z SL	-	05 42 25.-	1.5	1.28	2	12980	116.7	61.8	323.8
	+I Z SL	-	05 42 35.-	1.5	1.36	6				
	+E Z SL	XPKP	05 46 19.-	1.5	1.28	5				
	+I Z SL	PP	05 47 17.-	1.5	1.59	9				
	+I Z SL	XPP	05 47 30.-	2.0	2.14	2				
BUH	E Z GT	PKP	05 46 10.0				13150	118.2	58.8	325.4
OCT 29 GS H= 14 45 11.3 LAT = 44.4 N LONG= 149.7 E DEPTH= 52 KM MAGNITUDE= 4.8 KURIL ISLANDS										
GRF	E Z BE	P	14 57 14.4			2	8840	79.5	28.9	334.0
FUR	-I Z SL	P	14 57 21.-	1.8	1.95	9	8990	80.9	28.8	333.2
	+E Z SL	XP	14 57 37.-	1.1	1.86	5				
OCT 29 BCS H= 21 11 09.0 LAT = 41.5 N LONG= 19.3 E ALBANIA										
OCT 29 GS H= 21 11 11.6 LAT = 41.5 N LONG= 19.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 3.2 ALBANIA										
FUR	+I Z SL	SB	21 16 49.-	1.9	1.89	1	970	8.8	136.5	322.2
GRF	E Z BE	P	21 13 33.0			1	1110	10.0	142.4	328.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
OCT 30 GS H= 01 14 06.0 LAT = 41.7 N LONG= 13.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 SOUTHERN ITALY										
OCT 30 BCS H= 01 14 06.0 LAT = 41.7 N LONG= 13.8 E SOUTHERN ITALY										
BCIS= FELT IN THE PROVINCES OF FROSINONE AND ISERNIA.										
FUR	+I Z SL	-	01 15 57.-	1.5	1.43	4	740	6.7	163.1	344.9
	+I Z SL	PB	01 16 06.-	1.2	2.00	3				
	+I Z SL	PG	01 16 36.-	1.0	2.24	3				
	+I Z SL	SN	01 17 11.-	1.8	2.11	2				
	-I Z SL	SB	01 17 33.-	1.3	2.03	1				
	Z SL	SG	01 17 50.-	1.8	2.00	3				
	Z SL	MAXIMUM	01 19 05.-	2.9	2.71					
BUH	E Z GT	P	01 16 02.0				890	8.0	148.1	332.1
GRF	E Z BE	P	01 16 04.0			1	910	8.2	165.9	347.8
	E Z BE	-	01 16 08.9			2				
	E N BE	S	01 17 35.0			2				
OCT 30 GS H= 02 45 00.6 LAT = 20.9 N LONG= 93.2 E DEPTH= 32 KM MAGNITUDE= 4.9 BURMA										
GRF	E Z BE	P	02 56 06.9			1	7700	69.2	81.9	316.5
OCT 30 GS H= 03 02 05.4 LAT = 81.5 N LONG= 5.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 NORTH OF SVALBARD										
OCT 30 BCS H= 03 02 07.0 LAT = 81.0 N LONG= 3.0 W NORTH OF SVALBARD										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	03 08 33.8			2	3600	32.4	355.5	160.0
OCT 30 GS H= 04 32 12.6 LAT = 29.2 S LONG= 177.5 W DEPTH= 63 KM MAGNITUDE= 4.8 KERMADEC ISLANDS										
GRF	E Z BE	PKP	04 52 38.8			2	17620	158.5	21.1	344.5
OCT 31 BCS H= 18 10 08.0 LAT = 43.4 N LONG= 5.6 E NEAR SOUTH COAST OF FRANCE										
OCT 31 GS H= 18 10 08.7 LAT = 43.4 N LONG= 5.6 E DEPTH= 33 KM (NORMAL) NEAR SOUTH COAST OF FRANCE										
BCIS= DEPARTEMENT BOUCHE DU RHONE, NEAR MARSEILLE. PROBABLY ARTIFICIAL.										
BUH	E Z GT	P	18 11 28.5				620	5.6	200.1	18.2
FUR	+E Z SL	PB	18 11 57.-	1.5	1.36	2	690	6.2	221.8	37.7
	+E Z SL	SN	18 13 03.-	1.8	1.70	2				
	Z SL	MAXIMUM	18 13 48.-	1.5	1.43					
GRF	E Z BE	P	18 12 25.0			1	830	7.4	213.7	29.6
	E N BE	S	18 14 09.0			2				
OCT 31 GS H= 23 07 01.6 LAT = 42.8 N LONG= 145.3 E DEPTH= 54 KM MAGNITUDE= 5.1 HOKKAIDO, JAPAN REGION										
GRF	+E Z BE	P	23 19 04.5	0.3	1.55	4	8840	79.5	32.5	331.7
BUH	E Z GT	P	23 19 14.0				9050	81.4	30.5	332.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 01 GS										
H= 06 38 54.1										
LAT = 24.2 S										
LONG= 176.4 W										
DEPTH= 35 KM										
MAGNITUDE= 5.7										
SOUTH OF FIJI ISLANDS										
BRN	+E	Z ET	PKP	06 58 45.-			2	16780	150.9	18.1 347.9
BNS	+E	Z FS	PKP	06 58 49.5	1.5	1.70		17030	153.1	7.1 355.1
	E	Z FS	-	06 59 00.5	1.6	1.90				
HOF	+I	Z SL	PKP1	06 58 42.-	1.5	2.53	9	17030	153.1	16.8 348.3
	-I	Z SL	PKHKP	06 58 50.-	1.5	2.55	9			
	-I	Z SL	PKP2	06 59 00.-	1.5	2.10	5			
GRF	E	Z BE	PKP	06 58 43.2			2	17110	153.8	15.8 348.8
	-I	Z BE	PKP	06 59 05.0	1.0	2.01	9			
	E	Z BE	-	07 02 36.1			2			
BUH	E	Z GT	PKP	06 58 44.6				17270	155.3	10.0 352.7
	E	Z GT	PKP	06 59 10.6						
FUR	-I	Z SL	PKP1	06 58 45.-	1.8	1.85	7	17270	155.3	16.9 347.7
	-I	Z SL	APKP	06 58 55.-	1.8	1.90	3			
	-I	Z SL	XPKP	06 58 58.-	1.8	2.00	2			
	-I	Z SL	PKP?	06 59 12.-	1.4	2.14	8			
	+I	Z SL	XPKP	06 59 26.-	1.5	1.76	8			
		Z SL	RM	07 17 00.-	17.0	3.77				
NOV 01 BCS										
H= 11 22 36.0										
LAT = 45.5 N										
LONG= 16.4 E										
YUGOSLAVIA										
BCIS= FELT V AT SISAK AND PETRINJA. (ZAG).										
FUP	+I	Z SL	PB	11 23 59.-	1.5	1.36	6	490	4.4	125.3 309.0
	-I	Z SL	PG	11 24 12.-	1.5	1.43	7			
	-I	Z SL	SN	11 24 45.-	1.5	1.54	3			
	-I	Z SL	SB	11 24 49.-	1.5	1.36	6			
		Z SL	MAXIMUM	11 25 38.-	2.0	2.14				
GRF	E	Z BE	PN	11 23 58.-			1	610	5.5	138.2 322.0
	E	Z BE	PG	11 24 18.7			2			
	E	N BE	SG	11 24 56.8			2			
	E	N BE	-	11 25 28.3			2			
NOV 01										
NO DETERMINATION OF EPICENTER										
BUH	E	Z GT	PN	12 24 09.4						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 01										
NO DETERMINATION OF EPICENTER										
BNS	E	Z FS	-	23 15 17.4						
NOV 02 GS										
H= 05 46 37.6										
LAT = 32.7 N										
LONG= 48.2 E										
DEPTH= 55 KM										
MAGNITUDE= 4.9										
WESTERN IRAN										
NOV 02 BCS										
H= 05 46 39.0										
LAT = 32.6 N										
LONG= 48.2 E										
WESTERN IRAN										
FUR	+I	Z SL	P	05 52 59.-	1.5	1.59	2	3530	31.7	105.6 310.1
	+I	Z SL	-	05 53 02.-	1.5	1.54	9			
	+E	Z SL	AP	05 53 06.-	1.5	1.28	5			
	+I	Z SL	XP	05 53 12.-	1.5	1.59	3			
	+I	Z SL	-	05 53 45.-	1.5	1.70	3			
	-I	Z SL	XPP	05 54 14.-	1.5	1.59	2			
		Z SL	RM	06 09 00.-	12.0	3.21				
GRF	E	Z BE	P	05 53 01.8			2	3580	32.2	107.9 312.9
NOV 02 GS										
H= 05 57 33.0										
LAT = 32.6 N										
LONG= 48.2 E										
DEPTH= 59 KM										
MAGNITUDE= 4.9										
WESTERN IRAN										
NOV 02 BCS										
H= 05 57 34.0										
LAT = 32.6 N										
LONG= 48.4 E										
WESTERN IRAN										
FUR	-I	Z SL	P	06 03 54.-	1.5	1.70	4	3530	31.8	105.6 310.1
GRF	+E	Z BE	P	06 03 57.9	1.5	1.92	3	3590	32.3	107.8 312.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 02 GS H= 07 31 33.5 LAT = 54.1 N LONG= 125.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 EASTERN RUSSIA										
HOF	-E Z SL	P	07 41 52.-	4.0	2.69	1	6910	62.2	37.5	318.5
	+E Z SL	AP	07 41 58.-	4.0	3.02	2				
	Z SL	RM	08 11 30.-	12.0	3.77					
GRF	E Z BE	P	07 41 59.3			2	7000	62.9	37.0	318.5
FUR	+E Z SL	P	07 42 06.-	1.5	1.18	4	7130	64.1	36.5	317.4
	+I Z SL	-	07 42 11.-	2.0	2.05	2				
	+I Z SL	AP	07 42 14.-	1.5	1.59	2				
	Z SL	RM	08 12 30.-	14.0	3.68					
BUH	E Z GT	P	07 42 13.0				7220	64.9	35.2	319.6
NOV 02 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	07 42 16.1							
NOV 02 GS H= 12 09 55.2 LAT = 25.7 N LONG= 91.6 E DEPTH= 20 KM MAGNITUDE= 4.8 INDIA-EAST PAKISTAN BORDER REG.										
NOS= FELT STRONGLY AT SHILLONG.										
BUH	E Z GT	P	12 20 48.0				7440	66.9	76.9	314.3
NOV 02 NO DETERMINATION OF EPICENTER										
HOF= EXPLOSION.										
HOF	-I Z SL	-	13 30 17.-	1.0	2.15	3				
	Z SL	MAXIMUM	13 30 35.-	1.0	2.46					
NOV 02 NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	14 58 39.9							
	E E X	SG	14 58 45.0							
	E Z FS	-	14 58 46.3	0.8	1.48					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 03 GS H= 00 13 51.5 LAT = 54.6 N LONG= 161.4 E DEPTH= 61 KM MAGNITUDE= 5.3 NEAR EAST COAST OF KAMCHATKA										
BNS	+I Z FS	P	00 31 14.0				8070	72.6	15.3	343.3
GRF	+I Z BE	P	00 31 17.6	0.7	1.91	5	8130	73.1	17.6	340.3
STU	+E Z BE	P	00 31 23.5	0.8	1.61	2	8270	74.4	16.3	341.3
FUR	-I Z SL	P	00 31 27.-	1.5	1.36	3	8290	74.5	17.5	339.8
BUH	+I Z GT	P	00 31 26.0				8300	74.6	15.8	342.0
NOV 03 GS H= 01 46 05.3 LAT = 7.3 N LONG= 74.3 W DEPTH= 18 KM MAGNITUDE= 5.0 NORTHERN COLOMBIA										
BNS	E Z FS	P	01 58 15.8	1.7	1.48		8730	79.1	268.0	39.6
BUH	E Z GT	P	01 58 15.0				8860	79.7	269.3	41.9
GRF	E Z BE	P	01 58 27.5			1	9080	81.7	271.3	40.9
NOV 03 GS H= 08 29 35.3 LAT = 9.9 N LONG= 57.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 CARLSBERG RIDGE										
FUR	+I Z SL	P	08 39 02.-	1.5	1.36	3	6070	54.6	118.5	323.3
	+I Z SL	-	08 39 04.-	1.5	1.76	3				
	-I Z SL	AP	08 39 11.-	1.5	1.62	2				
HOF	+E Z SL	AP	08 39 16.-	1.5	2.40	9	6150	55.3	120.4	325.9
GRF	E Z BE	P	08 39 06.8			2	6150	55.3	119.4	325.0
BNS	E Z FS	P	08 39 28.0	1.8	1.60		6470	58.2	116.2	324.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 03 GS H= 14 17 41.8 LAT = 26.1 S LONG= 67.8 W DEPTH= 36 KM MAGNITUDE= 5.9 CATAMARCA PROVINCE, ARGENTINA										
BNS	+E Z SL	P	14 31 28.-				11230	101.0	242.2	38.5
	E Z SL	PP	14 35 30.-							
	E Z SL	LR	15 06 00.-	32.0						
	Z SL	-	15 10 30.-	26.0						
FUR	-E Z SL	P	14 31 36.-	1.5	1.28	5	11360	102.1	244.6	42.2
	+I Z SL	APCP	14 31 42.-	1.3	1.66	2				
	+E Z SL	PP	14 35 46.-	2.5	2.35	9				
	Z SL	RM	15 17 00.-	20.0	3.47					
GRF	E Z BE	P	14 31 36.1			1	11430	102.8	244.8	40.8
HOF	+E Z SL	P	14 31 40.-	5.0	2.95	3	11500	103.4	245.4	40.4
	Z SL	RM	15 20 30.-	17.0	3.98					
NOV 03 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	19 55 30.3							
NOV 04 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	10 19 29.7							
NOV 04 GS H= 12 02 09.1 LAT = 6.0 S LONG= 124.7 E DEPTH=605 KM MAGNITUDE= 5.5 BANDA SEA										
GRF	E Z BE	PP	12 20 15.2			1	12190	109.7	75.7	320.8
NOV 04 GS H= 13 01 45.2 LAT = 53.9 N LONG= 141.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 SAKHALIN ISLAND										
GRF	E Z BE	P	13 12 47.2				7630	68.6	29.1	327.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 04 GS H= 15 52 11.7 LAT = 38.9 N LONG= 20.4 E DEPTH= 8 KM MAGNITUDE= 5.8 GREECE										
NOV 04 BCS H= 15 52 18.0 LAT = 38.9 N LONG= 20.6 E GREECE										
NOS= 2 INJURED AND BUILDINGS DAMAGED IN WESTERN GREECE.										
FUR	+I Z SL	P	15 54 57.-	1.5	2.66	9	1270	11.4	141.0	327.3
	-I Z SL	S	15 57 01.-	1.8	2.63	9				
	Z SL	RM	16 01 30.-	2.0	3.53					
GRF	+E Z BE	P	15 55 12.1			4	1410	12.6	145.2	331.6
STU	+E Z BE	P	15 55 14.0	1.2	3.28	3	1420	12.8	136.5	324.3
HOF	-I Z SL	P	15 55 15.-	1.5	2.70	9	1440	12.9	148.7	334.7
	-I Z SL	PP	15 55 25.-	1.5	2.92	7				
	-I Z SL	PPP	15 55 30.-	1.5	3.01	3				
	+I Z SL	-	15 55 40.-	1.5	2.80	5				
	-I Z SL	S	15 57 43.-	1.5	2.88	4				
	Z SL	RM	16 01 20.-	9.0	4.89					
BUH	+I Z GT	P	15 55 19.6				1460	13.2	133.5	322.0
KRL	-I Z ST	P	15 55 23.2	1.3		9	1480	13.3	135.0	323.4
	-I Z WH	P	15 55 23.4	1.2		5				
TNS	+E Z ST	P	15 55 33.4				1580	14.2	138.5	327.0
	I Z ST	PP	15 55 44.2							
	I Z ST	PPP	15 55 49.0							
	I E SL	S	15 56 46.0							
	E SL	SS	15 59 42.4							
	E SL	SSS	16 00 12.0							
BRN	E Z ET	P	15 55 38.0			1	1600	14.4	156.8	342.0
	+I Z ET	PP	15 55 47.3	1.8	3.75	9				
	-I Z ET	PPP	15 55 56.8			3				
	-E Z ET	PCP	16 01 00.-			2				
BNS	+E Z FS	P	15 55 48.5	1.5	2.95		1700	15.3	137.1	326.5
	+I Z FS	-	15 55 50.7							
	I N X	S	15 58 28.5							
	E Z SL	LR	15 59 26.-	44.0						
	Z SL	-	16 04 00.-	12.0						
BOG	+E Z BH	P	15 55 55.8	2.0	3.60	2	1740	15.6	138.5	327.9
HAM	+E Z SX	P	15 55 59.-			6	1810	16.3	143.4	337.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HLG	Z SL	P	15 56 18.-			3	1950	17.5	145.7	334.9
-	Z X	P	15 56 18.6			4				
-I	Z X	PP	15 56 36.0							

NOV 04 GS
H= 16 11 36.0
LAT = 39.1 N
LONG= 20.5 E
DEPTH= 6 KM
MAGNITUDE= 5.0
GREECE-ALBANIA BORDER REGION

NOV 04 BCS
H= 16 11 42.0
LAT = 38.9 N
LONG= 20.6 E
GREECE

NOS= FELT IN WESTERN GREECE.

FUR	-I Z SL	P	16 14 20.-	1.8	2.00	9	1250	11.3	140.5	326.8
	+I Z SL	-	16 14 24.-	1.8	2.00	9				
	+I Z SL	PP	16 14 28.-	1.5	1.55	9				
	+I Z SL	PPP	16 14 36.-	1.8	2.00	9				
	+I Z SL	-	16 14 40.-	1.8	2.18	9				
	-I Z SL	S	16 14 44.-	1.8	2.00	3				
	-I Z SL	SS	16 16 30.-	2.0	2.05	5				
	Z SL	RM	16 16 43.-	1.8	2.00	2				
			16 19 50.-	4.0	3.18					
GRF	E Z BE	P	16 14 35.7			2	1390	12.5	144.7	331.2
STU	E Z BE	P	16 14 38.0	1.0	2.00	2	1400	12.6	135.9	323.8
BUH	E Z GT	P	16 14 42.5				1450	13.0	132.9	321.4

NOV 04 GS
H= 19 58 59.0
LAT = 52.5 N
LONG= 160.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
OFF EAST COAST OF KAMCHATKA

GRF	E Z BE	P	20 10 39.3			2	8340	75.0	18.7	340.1
BUH	E Z GT	P	20 10 47.6				8520	76.6	16.8	341.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

NOV 05 GS
H= 02 16 08.5
LAT = 18.7 N
LONG= 100.6 W
DEPTH= 88 KM
MAGNITUDE= 5.1
GUERRERO, MEXICO

BUH	E Z GT	P	02 28 51.5				9780	88.0	296.1	38.9
GRF	E Z BE	P	02 28 56.6			2	9920	89.2	298.3	37.1
	E Z BE	AP	02 29 18.7			3				

NOV 05
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	07 34 53.3							

NOV 05 GS
H= 08 40 46.7
LAT = 41.7 N
LONG= 13.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.0
SOUTHERN ITALY

NOV 05 BCS
H= 08 40 48.0
LAT = 41.7 N
LONG= 13.8 E
SOUTHERN ITALY

BCIS= FELT IN THE PROVINCES OF FROSINONE AND CASSINO. MAX. INT. VI-VII.

FUR	-E Z SL	PN	08 42 23.-	1.8	1.70	2	750	6.7	163.9	345.6
	+I Z SL	-	08 42 37.-	1.8	1.85	1				
	+I Z SL	PB	08 42 47.-	1.3	1.89	2				
	-I Z SL	PG	08 43 18.-	1.5	1.43	7				
	+I Z SL	SN	08 43 48.-	1.3	2.36	4				
	+I Z SL	SB	08 44 14.-	1.3	2.19	3				
	+I Z SL	SG	08 44 25.-	1.5	1.76	9				
	Z SL	MAXIMUM	08 45 50.-	1.5	2.46					
BUH	E Z GT	P	08 42 43.8				930	8.0	148.8	332.7
GRF	E Z BE	P	08 42 47.-			1	910	8.2	166.5	348.4
	E N BE	S	08 44 12.3			2				
HOF	Z SL	MAXIMUM	08 47 00.-	5.0	3.35		970	8.7	170.7	352.0

NOV 05
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	PG	15 16 05.4							
	E N X	SG	15 16 13.5							
	E N X		15 16 18.-							

NOV 05 GS
H= 20 00 42.1
LAT = 42.6 N
LONG= 146.4 E
DEPTH= 63 KM
MAGNITUDE= 4.8
OFF COAST OF HOKKAIDO, JAPAN

GRF	+E Z BE	P	20 12 47.3			2	8900	80.0	31.9	332.3

NOV 05 GS
H= 20 11 57.8
LAT = 37.9 N
LONG= 42.8 E
DEPTH= 47 KM
MAGNITUDE= 4.7
TURKEY

NOV 05 BCS
H= 20 12 04.0
LAT = 37.9 N
LONG= 43.1 E
TURKEY

FUR	+I Z SL	P	20 17 19.-	1.0	1.88	4	2790	25.0	102.4	304.2
	+I Z SL	AP	20 17 28.-	1.0	2.13	8				
	-I Z SL	PP	20 17 54.-	1.3	1.66	6				
	+I Z SL	-	20 18 12.-	1.8	2.00	2				
GRF	+E Z BE	P	20 17 23.8			3	2830	25.4	105.4	307.7

NOV 05
NO DETERMINATION OF EPICENTER

GRF	+E Z BE	P	20 13 41.6			2				

NOV 06 GS
H= 01 02 40.3
LAT = 14.4 N
LONG= 91.4 W
DEPTH=111 KM
MAGNITUDE= 4.7
GUATEMALA

GRF	E Z BE	P	01 15 15.4			2	9680	87.1	288.8	39.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

NOV 06 GS
H= 05 19 18.3
LAT = 23.8 S
LONG= 179.1 E
DEPTH=546 KM
MAGNITUDE= 5.5
SOUTH OF FIJI ISLANDS

GRF	E Z BE	PKP	05 38 04.0			1	16950	152.5	24.5	342.9
	+E Z BE	-	05 38 14.0	0.8	1.49	6				
	+E Z BE	-	05 38 27.6			7				
FUR	-I Z SL	PKP1	05 38 06.-	2.0	2.10	9	17110	153.8	25.9	341.4
	+I Z SL	PKHKP	05 38 16.-	2.0	2.10	9				
	+I Z SL	PKP2	05 38 33.-	1.5	2.06	9				
BUH	E Z GT	PKP	05 38 07.6				17140	154.1	19.4	346.1

NOV 06 GS
H= 09 20 12.1
LAT = 15.6 S
LONG= 13.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
SOUTH ATLANTIC RIDGE

GRF	E Z BE	P	09 31 12.6			1	7630	68.6	205.8	17.1

NOV 06 GS
H= 09 36 05.0
LAT = 51.6 N
LONG= 175.4 W
DEPTH= 34 KM
MAGNITUDE= 5.8
ANDREANOF ISLANDS, ALEUTIAN IS.

BNS	+I Z FS	P	09 47 59.6	2.7	2.67		8650	77.8	1.6	358.3
	+I Z SL	P	09 48 00.-	20.0						
	E Z SL	S	09 58 05.-							
	E Z SL	SS	10 02 56.-							
	E Z SL	LR	10 12 50.-	48.0						
	Z SL	-	10 30 00.-	20.0						
HOF	-E Z SL	P	09 47 59.-	6.0	3.35	1	8700	78.3	4.6	355.2
	+I Z SL	AP	09 48 03.-	4.0	3.45	9				
	+I Z SL	XPCP	09 48 20.-	4.0	3.55	3				
	+I Z SL	PP	09 50 51.-	4.0	3.15	4				
	Z SL	RM	10 28 30.-	18.0	4.48					
TNS	1E Z SL	P	09 48 03.0				8730	78.5	2.5	357.5
	E Z SL	PCP	09 48 22.5							
	E Z SL	PPP	09 53 21.0							
	E N SL	S	09 58 20.0							
	E N SL	PS	09 59 08.0							
GRF	+I Z BE	P	09 48 06.4			6	8770	78.9	4.2	355.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
STU	+E Z BE	P	09 48 11.0	1.0	1.67	3	8890	79.9	2.9 356.9
	SL	S	09 58 40.0						
BUH	+E Z GT	P	09 48 12.4				8900	80.0	2.3 357.6
FUR	+I Z SL	P	09 48 13.-	1.8	2.08	9	8940	80.4	4.2 355.5
	+I Z SL	PCP	09 48 19.-	1.5	1.76	3			
	+I Z SL	APCP	09 48 27.-	1.3	1.89	2			
	-I Z SL	XPCP	09 48 32.-	2.0	2.57	3			
	-I Z SL	PP	09 51 14.-	1.5	1.59	2			
	+I Z SL	APP	09 51 22.-	2.0	2.10	2			
	+I Z SL	XPP	09 51 29.-	1.8	2.20	8			
	+I Z SL	-	09 53 17.-	2.0	2.24	3			
	Z SL	RM	10 36 00.-	15.0	4.03				

NOV 06
NO DETERMINATION OF EPICENTER

FUR	-E Z SL	-	10 15 04.-	2.0	1.80	2			

NOV 06 GS
H= 10 23 32.3
LAT = 43.6 N
LONG= 147.9 E
DEPTH=104 KM
MAGNITUDE= 4.5
KURIL ISLANDS

GRF	E Z BE	P	10 35 31.2			2	8860	79.6	30.4 333.1

NOV 06
NO DETERMINATION OF EPICENTER

FUR= LOCAL

FUR	-E E SL	-	14 30 52.-	1.5	1.57	6			
	E SL	MAXIMUM	14 31 35.-	1.5	2.02				

NOV 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	15 38 11.1						

NOV 06
NO DETERMINATION OF EPICENTER

FUR	-I Z SL	-	18 21 15.-	2.0	2.18	9			
GRF	E Z BE	PG	18 21 41.8			2			
	E N BE	SG	18 22 25.7			2			

NOV 06 GS
H= 18 26 35.1
LAT = 51.6 N
LONG= 175.2 W
DEPTH= 41 KM
MAGNITUDE= 5.9
ANDREANOF ISLANDS, ALEUTIAN IS.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
BRN	-E Z ET	P	18 38 22.5	5.0		2	8470	76.1	5.4 354.7
BNS	+E Z FS	P	18 38 29.0	1.6	2.32		8650	77.8	1.5 358.4
	+I Z SL	P	18 38 29.-	13.0					
	E Z SL	S	18 48 32.-						
	E Z SL	SS	18 53 20.-						
	E Z SL	LR	19 03 24.-	48.0					
	Z SL	-	19 20 00.-	20.0					
HOF	-E Z SL	P	18 38 31.-	4.0	3.56	9	8710	78.3	4.5 355.3
	+I Z SL	XP	18 38 44.-	6.0	3.59	7			
	-I Z SL	APP	18 41 39.-	4.0	3.39	9			
	Z SL	RM	19 18 50.-	18.0	4.61				
TNS	1E Z SL	P	18 38 32.2				8730	78.5	2.4 357.6
	E Z SL	PPP	18 43 28.6						
	N SL	PS	18 43 19.6						
GRF	E Z BE	P	18 38 35.5			4	8780	79.0	4.1 355.7
	-I Z BE	-	18 38 36.5	0.8	1.68	6			
	+I Z BE	-	18 38 39.2			9			
	-I Z BE	AP	18 39 08.1			9			
	-I Z BE	-	18 39 12.0			4			
	+I Z BE	-	18 39 18.2			9			
	E Z BE	PP	18 41 46.4			3			
	E Z BE	PKPPKP	19 05 22.5			1			
STU	+E Z BE	P	18 38 41.0	1.0	2.03	1	8890	80.0	2.8 357.0
BUH	E Z GT	P	18 38 40.7				8910	80.1	2.2 357.7
FUR	+I Z SL	P	18 38 43.-	2.0	2.10	3	8950	80.5	4.1 355.6
	-I Z SL	-	18 38 46.-	1.5	1.91	3			
	-I Z SL	APCP	18 38 57.-	2.0	2.27	5			
	-I Z SL	-	18 39 01.-	1.8	2.11	2			
	+I Z SL	PP	18 41 49.-	1.7	2.09	2			
	+I Z SL	APP	18 41 58.-	1.8	2.11	2			
	Z SL	QM	19 09 00.-	28.0	4.18				

NOV 06 GS
H= 20 38 46.5
LAT = 38.1 N
LONG= 20.3 E
DEPTH= 14 KM
MAGNITUDE= 4.2
GREECE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 06 BCS H= 20 38 51.0 LAT = 38.2 N LONG= 20.3 E GREECE										
GRF	E Z BE	P	20 42 06.8			2	1470	13.3	147.3	333.6
NOV 07 GS H= 05 28 35.1 LAT = 15.3 S LONG= 173.5 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 TONGA ISLANDS										
GRF	E Z BE	PKP	05 48 11.6			2	16170	145.4	8.1	354.5
FUR	-I Z SL	PKP1	05 48 16.-	1.5	1.43	2	16340	146.9	8.6	354.1
NOV 07 GS H= 07 18 39.8 LAT = 5.9 S LONG= 153.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 NEW IRELAND REGION										
						2	14020	126.1	48.8	330.6
GRF	E Z BE	PKP	07 37 52.3			2				
	E Z BE	PP	07 39 34.2				14130	127.1	49.7	329.1
FUR	-E Z SL	PKP1	07 37 43.-	1.8	1.73	6				
	-I Z SL	APKP	07 37 54.-	1.8	2.00	1				
	+I Z SL	XPKP	07 37 57.-	1.4	1.92	2				
	Z SL	RM	08 34 30.-	20.0	3.10					
NOV 07 GS H= 14 57 13.5 LAT = 43.4 N LONG= 145.3 E DEPTH= 76 KM MAGNITUDE= 4.7 HOKKAIDO, JAPAN REGION										
						1	8780	79.0	32.2	331.6
GRF	E Z BE	P	15 09 09.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 07 GS H= 17 06 15.5 LAT = 44.0 N LONG= 11.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 NORTHERN ITALY										
NOV 07 BCS H= 17 06 18.0 LAT = 44.0 N LONG= 11.2 E NORTHERN ITALY										
FUR	-I Z SL	-	17 07 38.-	1.8	1.95	5	460	4.2	180.4	0.4
	+I Z SL	PG	17 07 46.-	1.5	1.36	6				
	-I Z SL	SN	17 08 13.-	1.3	1.79	4				
	+I Z SL	SB	17 08 21.-	1.5	1.54	5				
	+I Z SL	SG	17 08 36.-	1.5	1.54	2				
	Z SL	MAXIMUM	17 09 00.-	3.0	2.18					
BUH	E Z GT	PN	17 07 31.9				570	5.1	154.9	337.1
GRF	E Z BE	P	17 07 38.9			2	630	5.7	179.9	359.9
	E N BE	S	17 08 43.5			2				
NOV 07 GS H= 20 58 09.5 LAT = 22.3 S LONG= 176.8 W DEPTH=192 KM MAGNITUDE= 4.9 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	21 17 43.7			1	16900	152.0	16.1	348.8
NOV 07 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	SG	21 39 09.5							
NOV 07 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	21 57 34.4			2				
NOV 08 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	01 18 16.8			1				
	E N BE	SG	01 18 34.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
NOV 08 GS									
H= 08 59 10.0									
LAT = 50.1 N									
LONG= 156.3 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 6.0									
KURIL ISLANDS									
HLG	+I Z X	P	09 10 36.-			3	8100	72.8	20.7 341.2
	+I Z SL	P	09 10 37.0			3			
HAM	E Z SX	P	09 10 37.-			3	8120	73.0	21.9 339.8
BRN	+E Z ET	P	09 10 40.-			4	8140	73.2	23.8 337.4
HOF	-I Z SL	P	09 10 51.-	3.0	3.65	9	8390	75.5	22.8 337.3
	+I Z SL	-	09 10 58.-	2.0	3.00	9			
	+I Z SL	PCP	09 11 03.-	3.0	3.06	7			
	-I Z SL	PP	09 13 38.-	2.0	2.70	9			
	Z SL	PM	09 48 40.-	18.0	4.98				
BNS	+I Z FS	P	09 10 55.0	2.3	2.59		8450	76.0	19.9 340.5
	+I Z SL	P	09 10 55.-	12.0					
	E Z SL	S	09 20 30.-						
	E Z SL	SS	09 26 30.-						
	E Z SL	LR	09 36 00.-	55.0					
	Z SL	-	10 18 40.-	19.0					
GRF	+I Z BE	P	09 10 57.6			9	8480	76.2	22.3 337.5
TNS	+ Z ST	P	09 10 56.4	1.5			8490	76.4	20.7 339.4
STU	+E Z BE	P	09 11 03.8	1.0	2.25	5	8630	77.6	21.0 338.4
FUR	+I Z SL	P	09 11 04.-	2.0	3.00	9	8630	77.6	22.2 336.9
	+I Z SL	-	09 11 08.-	1.5	2.06	3			
	+I Z SL	AP	09 11 12.-	1.0	2.51	3			
	-I Z SL	XP	09 11 16.-	1.2	2.20	2			
	+I Z SL	APCP	09 11 22.-	1.5	1.91	2			
	Z SL	PM	09 47 30.-	23.0	4.28				
BUH	+I Z GT	P	09 11 05.7				8660	77.9	20.4 339.0
NOV 08									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PN	10 35 30.6						
NOV 08 GS									
H= 13 18 12.0									
LAT = 18.1 N									
LONG= 99.7 W									
DEPTH= 71 KM									
MAGNITUDE= 5.3									
GUERRERO, MEXICO									

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
BUH	E Z GT	P	13 30 54.7				9770	87.8	295.1 39.1
GRF	+E Z BE	P	13 31 02.7			3	9910	89.2	297.3 37.4
NOV 08									
NO DETERMINATION OF EPICENTER									
BNS	E Z FS	PG	15 40 18.3						
	E Z FS	-	15 40 32.-						
NOV 09 GS									
H= 07 06 24.0									
LAT = 35.8 N									
LONG= 22.0 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 4.2									
MEDITERRANEAN SEA									
NOV 09 BCS									
H= 07 06 30.0									
LAT = 36.0 N									
LONG= 22.0 E									
SOUTHERN GREECE									
GRF	E Z BE	P	07 10 12.2			2	1780	16.0	146.5 333.8
NOV 09 GS									
H= 08 08 25.0									
LAT = 16.1 S									
LONG= 172.6 W									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 5.1									
SAMOA ISLANDS REGION									
GRF	+E Z BE	PKP	08 28 05.3	1.4	2.14	4	16280	146.4	6.6 355.5
FUR	+I Z SL	PKP1	08 28 09.-	1.5	1.76	9	16440	147.9	7.0 355.1
NOV 09									
NO DETERMINATION OF EPICENTER									
FUR= EXPLOSION AT ESCHENLOHE.									
FUR	-I Z SL	-	11 09 02.-	1.5	1.43	4			
	Z SL	MAXIMUM	11 09 38.-	1.8	2.26				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
NOV 09 BCS H= 13 42 42.0 LAT = 86.0 N LONG= 33.0 E NORTH OF SVALBARD									
NOV 09 GS H= 13 42 43.7 LAT = 86.1 N LONG= 32.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.3 NORTH OF SVALBARD									
BNS	E Z FS	P	13 49 40.5	2.6	2.32		3960	35.6	3.0 208.2
	E Z SL	LP	13 53 30.-	38.0					
HOF	-I Z SL	P	13 43 42.-	3.0	3.20	2	4020	36.1	2.5 203.1
	-I Z SL	AP	13 43 43.-	3.0	3.26	2			
	+I Z SL	XP	13 43 55.-	2.0	3.07	9			
GRF	E Z BE	P	13 49 49.7			2	4090	36.8	2.5 203.7
	E Z BE	-	13 43 51.5			6			
	E Z BE	AP	13 43 56.7			3			
	E Z BE	-	13 50 02.5			5			
FUR	-I Z SL	P	13 50 03.-	2.6	2.79	3	4260	38.3	2.4 203.6
	-I Z SL	AP	13 50 10.-	2.2	2.66	3			
	-I Z SL	XP	13 50 14.-	2.0	2.35	4			
	Z SL	RM	14 14 20.-	17.0	3.76				
NOV 09 GS H= 14 13 03.5 LAT = 52.4 N LONG= 178.4 E DEPTH=182 KM MAGNITUDE= 5.6 RAT ISLANDS, ALEUTIAN ISLANDS									
BNS	E Z FS	P	14 24 34.4				8530	76.7	5.5 354.3
	+I Z FS	AP	14 25 22.5	1.4	1.60				
GRF	E Z BE	P	14 24 41.0			3	8640	77.7	8.0 351.5
	E Z BE	AP	14 25 28.1			3			
NOV 09 GS H= 14 47 38.1 LAT = 86.0 N LONG= 33.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 NORTH OF SVALBARD									

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
NOV 09 BCS H= 14 47 42.0 LAT = 86.0 N LONG= 33.0 E NORTH OF SVALBARD									
GRF	E Z BE	P	14 54 44.4			2	4090	36.8	2.5 204.0
NOV 09 NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	14 59 11.7			2			
	E N BE	SG	14 59 45.5			2			
NOV 09 GS H= 15 09 36.1 LAT = 86.0 N LONG= 31.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 NORTH OF SVALBARD									
NOV 09 BCS H= 15 09 42.0 LAT = 86.0 N LONG= 33.0 E NORTH OF SVALBARD									
GRF	E Z BE	P	15 16 42.2			3	4080	36.7	2.3 201.8
BUH	E Z GT	P	15 16 50.3				4210	37.8	2.6 205.0
FUR	+I Z SL	AP	15 17 01.-	2.0	2.10	2	4250	38.2	2.2 201.7
NOV 09 NO DETERMINATION OF EPICENTER									
BUH	E Z GT	P	15 14 54.7						
NOV 09 GS H= 18 50 50.4 LAT = 27.7 N LONG= 55.5 E DEPTH= 39 KM MAGNITUDE= 4.5 SOUTHERN IRAN									

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 09 BCS H= 18 50 57.0 LAT = 27.9 N LONG= 55.3 E SOUTHERN IRAN										
GRF	E Z BE	P	18 58 24.5			2	4470	40.2	106.4	315.3
NOV 09 GS H= 22 41 27.7 LAT = 4.0 S LONG= 81.0 W DEPTH= 31 KM MAGNITUDE= 5.6 NEAR COAST OF NORTHERN PERU										
BUH	E Z GT	P	22 54 36.8				10280	92.4	266.8	41.6
STU	-E Z BE	P	22 54 39.7	1.2	1.73	3	10350	93.1	267.5	41.5
GRF	E Z BE	P	22 54 46.2			2	10500	94.4	269.1	40.6
NOV 09 GS H= 23 26 33.0 LAT = 6.0 N LONG= 94.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 NICOBAR ISLANDS REGION										
FUP	-I Z SL	P	23 38 50.-	1.5	1.36	3	8970	80.7	91.4	317.7
	-I Z SL	PCP	23 38 56.-	1.5	1.43	4				
GRF	+E Z BE	P	23 38 51.0	1.1	1.70	4	8980	80.8	91.6	319.3
BUH	E Z GT	P	23 39 00.9				9200	82.7	89.2	318.2
NOV 10 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	02 35 22.6			2				
	E E BE	S	02 36 22.7			2				
NOV 10 BCS H= 03 01 07.0 LAT = 43.7 N LONG= 13.4 E CENTRAL ITALY										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 10 GS H= 03 01 11.6 LAT = 44.0 N LONG= 13.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 ADRIATIC SEA										
BCIS= FELT AT ANCONA WITH MAXIMUM INTENSITY VI-VII (ROM).										
FUR	-I Z SL	PG	03 02 29.-	1.5	1.70	4	520	4.7	160.9	342.4
	-I Z SL	SN	03 02 45.-	1.5	1.89	4				
	+I Z SL	SB	03 02 53.-	1.1	2.46	4				
	+I Z SL	SG	03 03 04.-	1.3	2.19	1				
	Z SL	MAXIMUM	03 04 23.-	2.0	2.88					
STU	E Z BE	P	03 02 33.0	0.3	1.49	2	650	5.9	148.5	331.6
	E E BE	S	03 03 38.0	1.3	2.06	2				
BUH	E Z GT	P	03 02 38.2				680	6.1	142.3	326.0
GRF	E Z BE	P	03 02 37.8			2	690	6.2	165.2	346.7
	E Z BE	-	03 02 55.6			2				
	E N BE	S	03 03 45.2			2				
KRL	-E Z ST	P	03 03 51.5	1.3		3	700	6.3	145.1	328.7
NOV 10 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	03 48 52.9							
NOV 10 GS H= 05 05 31.1 LAT = 41.5 N LONG= 142.1 E DEPTH= 66 KM MAGNITUDE= 4.6 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	05 17 32.1			2	8840	79.5	35.3	330.0
NOV 10 GS H= 09 21 16.5 LAT = 19.1 S LONG= 167.4 E DEPTH= 12 KM MAGNITUDE= 5.4 NEW HEBRIDES ISLANDS REGION										
GRF	E Z BE	PKP	09 40 51.3	1.8	2.12	5	16010	144.0	40.5	333.5
	E Z BE	-	09 41 02.3			2				
BNS	-I Z FS	PKP	09 40 52.9	2.0	2.32		16070	144.5	33.5	338.4
	I Z FS	-	09 41 03.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
TNS	+E Z ST	PKP	09 40 52.0	1.5			16090	144.7	36.0	336.5
FUP	-I Z SL	PKP1	09 40 55.-	1.8	2.85	9	16140	145.1	42.0	331.7
	-I Z SL	XPKP	09 41 07.-	1.5	2.24	9				
STU	-E Z BE	PKP	09 40 56.0	1.2	2.46	4	16180	145.5	38.3	334.3
	E Z BE	-	09 41 07.2	1.0	2.30	2				
BUH	-E Z GT	PKP	09 40 57.6				16240	146.0	37.0	335.1

NOV 10 GS
H= 19 46 26.8
LAT = 14.6 N
LONG= 90.2 W
DEPTH=243 KM
MAGNITUDE= 4.6
GUATEMALA

GRF	E Z BE	P	19 58 41.7			2	9590	86.2	288.0	39.6

NOV 11 GS
H= 02 43 06.2
LAT = 50.0 N
LONG= 156.4 E
DEPTH= 51 KM
MAGNITUDE= 6.0
KURIL ISLANDS

HAM	E Z SX	P	02 54 32.-			3	8130	73.1	21.9	339.8
HOF	-I Z SL	P	02 54 47.-	2.0	3.34	9	8400	75.6	22.8	337.4
	-I Z SL	PCP	02 54 57.-	2.0	2.83	3				
	Z SL	PM	03 32 30.-	16.0	4.49					
BNS	+I Z FS	P	02 54 43.2	1.7	2.41		8460	76.1	19.9	340.5
	E Z FS	-	02 55 08.2							
	E Z SL	-	03 05 30.-							
	E Z SL	-	03 10 25.-							
	E Z SL	LR	03 19 10.-	55.0						
	Z SL	-	03 32 20.-	18.0						
GRF	E Z BE	P	02 54 51.0			4	8490	76.3	22.3	337.5
	-I Z BE	-	02 54 52.2			9				
TNS	Z SL	P	02 54 18.0				8500	76.5	20.7	339.5
	E Z SL	PCP	02 54 50.5							
	E E SL	PP	02 57 21.5							
STU	+E Z BE	P	02 54 57.3	1.1	2.46	5	8640	77.7	21.0	338.5
FUP	+I Z SL	P	02 54 59.-	1.8	2.78	9	8640	77.7	22.2	336.9
	-I Z SL	-	02 55 04.-	2.0	2.67	7				
	+I Z SL	AP	02 55 12.-	1.5	1.70	3				
	-I Z SL	APCP	02 55 22.-	2.0	2.27	3				
	+I Z SL	PP	02 57 56.-	2.0	2.27	2				
	Z SL	PM	03 31 00.-	23.0	3.75					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	E Z GT	P	02 54 59.9				8670	78.0	20.4	339.0

NOV 11
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 56 47.7			2				

NOV 11 GS
H= 04 56 56.0
LAT = 18.0 N
LONG= 94.2 W
DEPTH=154 KM
MAGNITUDE= 4.6
GULF OF CAMPECHE

BUH	E Z GT	P	05 09 13.7				9410	84.6	291.1	40.5

NOV 11 GS
H= 07 14 51.5
LAT = 30.6 N
LONG= 52.9 E
DEPTH= 11 KM
MAGNITUDE= 5.5
IRAN

NOV 11 BCS
H= 07 14 57.0
LAT = 30.5 N
LONG= 52.9 E
IRAN

NOS= ONE PERSON KILLED AND MANY PERSONS INJURED. ABOUT 500 HOMES WERE DAMAGED.

FUR	+I N SL	P	07 21 59.-	2.0	2.45	9	4020	36.1	103.8	311.1
	-I N SL	PP	07 22 17.-	2.0	2.45	4				
	+I N SL	-	07 22 49.-	1.8	2.31	3				
	Z SL	PM	07 39 00.-	17.0	3.51					
GRF	E Z BE	P	07 21 58.2			3	4070	36.6	105.7	313.5
STU	E Z BE	P	07 22 06.5	1.5	3.30	2	4180	37.6	102.6	311.5
BUH	E Z GT	P	07 22 11.3				4250	38.2	101.6	311.2
BNS	E Z FS	P	07 22 22.3	2.3	2.23		4380	39.4	103.3	314.5
	E Z SL	LR	07 34 40.-	50.0						
	Z SL	-	07 37 40.-	30.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
NOV 11 GS H= 10 02 56.7 LAT = 18.1 S LONG= 178.4 W DEPTH=583 KM MAGNITUDE= 4.6 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	10 21 37.7			2	16410	147.6	17.2	348.4
NOV 11 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	11 39 21.3	0.9	1.70					
NOV 11 GS H= 16 54 11.6 LAT = 22.1 S LONG= 179.5 W DEPTH=568 KM MAGNITUDE= 5.1 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	17 13 01.5			2	16810	151.2	21.0	345.4
	E Z BE	-	17 13 12.3			2				
	E Z BE	APKP	17 15 21.4			1				
NOV 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	20 07 27.8			2				
	E N BE	SG	20 07 52.5			4				
NOV 11 GS H= 21 55 13.1 LAT = 19.9 S LONG= 176.5 W DEPTH=274 KM MAGNITUDE= 5.4 FIJI ISLANDS REGION										
BNS	-I Z FS	PKP	22 14 30.0	1.5	2.64		16550	148.9	6.7	355.5
	E Z FS	-	22 15 37.5							
HOF	+I Z SL	PKP1	22 14 29.-	1.8	3.22	9	16560	148.9	15.4	349.6
	-I Z SL	PKHKP	22 14 34.-	1.5	2.80	5				
TNS	Z ST	PKP	22 14 28.5				16620	149.5	9.2	353.8
GRF	E Z BE	PKP	22 14 26.9			1	16640	149.6	14.4	350.1
	-I Z BE	-	22 14 32.3			3				
	I Z BE	-	22 14 38.2			3				
STU	E Z BE	PKP	22 14 28.0	1.2	1.85	2	16770	150.8	11.0	352.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	-E Z BE	-	22 14 34.7	1.1	2.62	4				
	E Z BE	-	22 14 42.0	1.0	2.19	2				
BUH	E Z GT	PKP	22 14 28.9				16800	151.0	9.2	353.6
FUP	+I Z SL	PKP1	22 14 29.-	1.8	2.04	9	16800	151.1	15.2	349.2
	-I Z SL	PKHKP	22 14 35.-	1.2	2.74	9				
	+I Z SL	PKP2	22 14 44.-	1.2	2.60	8				
	-I Z SL	APKP	22 15 33.-	1.8	2.08	3				
	+I Z SL	APKP	22 15 50.-	1.3	1.89	1				
NOV 12 BCS H= 00 07 13.0 LAT = 35.3 N LONG= 27.9 E DEPTH= 55 KM DODECANESE ISLANDS										
NOV 12 GS H= 00 07 13.3 LAT = 35.5 N LONG= 27.7 E DEPTH= 69 KM MAGNITUDE= 4.7 DODECANESE ISLANDS										
FUR	+I Z SL	P	00 11 15.-	1.0	2.06	2	1980	17.8	130.1	321.2
	+I Z SL	-	00 11 19.-	1.3	2.06	4				
	-I Z SL	AP	00 11 23.-	1.2	2.30	4				
	+I Z SL	PP	00 11 29.-	1.1	2.00	1				
GRF	E Z BE	P	00 11 27.0			3	2100	18.9	133.4	324.8
HOF	+E Z SL	P	00 11 30.-	2.0	2.70	9	2110	19.0	136.1	327.1
	-E Z SL	PP	00 11 53.-	3.0	2.72	1				
	+I Z SL	-	00 12 08.-	2.0	2.83	9				
STU	+E Z BE	P	00 11 31.5	1.0	1.87	2	2140	19.3	127.4	320.0
BUH	E Z GT	P	00 11 36.6				2130	19.7	125.4	318.6
TNS	Z ST	P	00 11 45.2				2290	20.6	129.1	322.5
BNS	E Z FS	P	00 11 59.-	1.4	1.70		2410	21.7	128.3	322.7
NOV 12 BCS H= 00 11 46.0 LAT = 35.3 N LONG= 27.9 E DODECANESE ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 12 GS H= 00 11 52.2 LAT = 35.6 N LONG= 27.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 DODECANESE ISLANDS										
FUR	+I Z SL	P	00 15 55.-	1.0	2.06	1	1980	17.8	130.1	321.2
	-I Z SL	-	00 15 56.-	1.5	1.98	5				
	-I Z SL	PP	00 16 10.-	2.0	2.50	2				
	-I Z SL	PPP	00 16 18.-	1.5	2.24	7				
	+I Z SL	-	00 16 38.-	1.5	2.13	9				
	-I Z SL	S	00 18 56.-	1.8	2.04	2				
	Z SL	PM	00 25 00.-	10.0	3.79					
GPF	E Z BE	P	00 16 01.1			2	2100	18.9	133.4	324.8
	E Z BE	P	00 16 05.8			4				
HOF	-I Z SL	P	00 16 15.-	1.5	2.52	3	2110	19.0	136.1	327.1
	-I Z SL	-	00 16 19.-	1.8	2.36	3				
	+I Z SL	XP	00 16 26.-	2.0	3.07	7				
	-I Z SL	PP	00 16 32.-	2.0	2.80	2				
	+I Z SL	-	00 16 45.-	1.5	2.58	3				
	-I Z SL	-	00 16 49.-	1.5	2.70	9				
	-E Z SL	S	00 19 26.-	6.0	3.52	3				
	-E Z SL	XS	00 19 38.-	8.0	3.96	4				
	+E Z SL	-	00 20 32.-	7.0	3.63	7				
	Z SL	PM	00 24 30.-	10.0	4.32					
BUH	E Z GT	P	00 16 15.3				2190	19.7	125.4	318.6
KRL	+E Z ST	P	00 16 22.0	2.0		3	2210	19.8	126.5	319.7
	-E Z WH	P	00 16 22.8	6.0		4				
TNS	E Z SL	P	00 16 21.5				2290	20.6	129.1	322.5
	E Z SL	PP	00 16 34.5							
	E E SL	S	00 19 20.0							
NOV 12 GS H= 03 53 44.0 LAT = 6.2 S LONG= 154.5 E DEPTH= 50 KM MAGNITUDE= 5.6 SOLOMON ISLANDS										
GPF	E Z BE	PKP	04 12 43.7			2	14090	126.7	48.0	331.0
	E Z BE	PP	04 14 43.2			2				
FUP	+I Z SL	PKP1	04 12 46.-	1.5	1.49	2	14200	127.7	48.9	329.5
	Z SL	-	04 13 40.-	18.0	3.52					
BUH	E Z GT	PKP	04 12 47.5				14330	128.9	45.2	331.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 12 GS H= 07 54 07.5 LAT = 35.3 N LONG= 27.3 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.1 DODECANESE ISLANDS										
NOV 12 BCS H= 07 54 10.0 LAT = 35.3 N LONG= 27.9 E DODECANESE ISLANDS										
FUR	-E Z SL	-	07 58 16.-	1.0	1.98	5	1950	17.5	131.4	322.1
	-E Z SL	AP	07 58 19.-	1.5	1.18	3				
	+I Z SL	XP	07 58 24.-	1.3	1.66	2				
GRF	E Z BE	P	07 58 21.6			2	2070	18.6	134.7	325.7
NOV 12 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 22 45.5							
NOV 13 GS H= 01 12 11.5 LAT = 38.6 N LONG= 142.1 E DEPTH= 78 KM MAGNITUDE= 5.5 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	+E Z BE	P	01 24 25.0	1.1	1.74	3	9120	82.0	36.7	330.3
	E Z BE	-	01 24 42.9			2				
	E Z BE	-	01 24 46.8			2				
	E Z BE	-	01 24 49.5			2				
NOV 13 GS H= 02 47 14.3 LAT = 49.6 N LONG= 151.2 E DEPTH=326 KM MAGNITUDE= 5.1 NORTHWEST OF KURIL ISLANDS										
GRF	+I Z BE	P	02 58 24.2	0.7	1.53	4	8370	75.3	25.6	334.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 13 GS H= 16 10 58.9 LAT = 18.3 S LONG= 178.1 W DEPTH=571 KM MAGNITUDE= 5.6 FIJI ISLANDS REGION										
HOF	-I Z SL	PKP1	16 29 37.-	1.5	2.40	3	16350	147.0	17.7	348.2
	+I Z SL	PKHKP	16 29 39.-	2.2	3.27	3				
BNS	-I Z FS	PKP	16 29 39.6	1.2	2.63		16360	147.1	9.3	353.8
	E 7 FS	-	16 29 42.3							
TNS	+E 7 ST	PKP	16 29 40.2	1.7			16420	147.7	11.8	352.1
GRF	E Z BE	PKP	16 29 37.6			3	16430	147.8	16.8	348.6
	-I 7 BE	-	16 29 42.0			9				
STU	E Z BE	PKP	16 29 39.5	1.1	2.03	2	16570	149.0	13.6	350.6
	E 7 BE	-	16 29 44.4	1.0	2.44	3				
FUR	+I Z SL	PKP1	16 29 40.-	1.8	2.20	4	16590	149.2	17.7	347.7
	-I Z SL	PKHKP	16 29 45.-	1.3	2.66	9				
	+I Z SL	PKP2	16 29 52.-	1.5	2.19	9				
	+I Z SL	-	16 30 37.-	1.5	1.79	3				
BUH	E Z GT	PKP	16 29 39.8				16600	149.2	11.9	351.7
	E Z GT	PKP	16 29 45.2							
NOV 13 GS H= 21 10 50.0 LAT = 37.8 N LONG= 42.4 E DEPTH= 36 KM MAGNITUDE= 3.9 TURKEY										
GRF	E Z BE	P	21 16 14.5			1	2810	25.3	106.1	308.0
NOV 13 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	21 44 14.4			2				
NOV 13 GS H= 22 19 24.7 LAT = 32.6 N LONG= 48.3 E DEPTH= 48 KM MAGNITUDE= 4.8 WESTERN IRAN										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 13 BCS H= 22 19 26.0 LAT = 32.6 N LONG= 48.3 E WESTERN IRAN BCIS= FELT AT ANDIMESHK AND DEZFOOL (KER).										
FUR	-I Z SL	P	22 25 47.-	1.5	1.43	7	3540	31.8	105.5	310.2
	+E Z SL	AP	22 25 52.-	1.8	1.70	3				
	+I Z SL	XP	22 25 59.-	1.5	1.43	2				
GRF	E Z BE	P	22 25 50.8			3	3590	32.3	107.8	312.9
NOV 13 GS H= 22 31 26.3 LAT = 17.7 S LONG= 178.7 W DEPTH=554 KM MAGNITUDE= 5.1 FIJI ISLANDS REGION										
GRF	-I Z BE	PKP	22 50 09.6	0.6	1.41	4	16360	147.1	17.7	348.1
FUR	+I Z SL	PKP1	22 50 13.-	1.8	2.15	3	16520	148.6	18.5	347.1
BUH	E Z GT	PKP	22 50 12.6				16530	148.6	12.8	351.1
NOV 13 BCS H= 22 52 10.0 LAT = 32.6 N LONG= 48.8 E WESTERN IRAN										
NOV 13 GS H= 22 52 15.1 LAT = 32.7 N LONG= 48.3 E DEPTH= 59 KM MAGNITUDE= 4.9 WESTERN IRAN										
BCIS= FELT AT ANDIMESHK AND DEZFOOL (KER).										
FUR	+I Z SL	P	22 58 35.-	1.5	1.59	9	3580	32.2	105.1	310.0
	+I Z SL	-	22 58 40.-	1.5	1.36	6				
	+I Z SL	AP	22 58 43.-	1.5	1.49	8				
GRF	E Z BE	P	22 58 39.6			2	3630	32.6	107.3	312.7
NOV 14 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	-E Z SL	-	01 06 33.-	1.5	1.49	2				
	-I Z SL	-	01 06 50.-	1.5	1.36	6				

NOV 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	01 16 56.5			2				
	E Z BE	SG	01 17 37.9			2				

NOV 14
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 46 16.3			2				

NOV 14
NO DETERMINATION OF EPICENTER

FUP	-E Z SL	-	06 51 58.-	1.8	1.95	9				
GRF	E Z JM	PN	06 52 10.2			2				
	E Z BE	PG	06 52 19.4			2				
	E N BE	SG	06 52 58.7			4				

NOV 14 BCS
H= 09 33 57.0
LAT = 35.3 N
LONG= 27.9 E
DODECANESE ISLANDS

NOV 14 GS
H= 09 33 58.5
LAT = 35.4 N
LONG= 27.7 E
DEPTH= 55 KM
MAGNITUDE= 4.4
DODECANESE ISLANDS

FUR	+I Z SL	P	09 38 03.-	1.5	1.43	2	1980	17.8	130.1	321.2
	+I Z SL	-	09 38 06.-	1.5	1.59	3				
GRF	E Z BE	P	09 38 14.0			2	2100	18.9	133.4	324.8
BUH	E Z GT	P	09 38 23.7				2190	19.7	125.4	318.6

NOV 14
NO DETERMINATION OF EPICENTER

BNS	E Z FS	-	23 17 46.5							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

NOV 15 GS
H= 06 05 57.4
LAT = 1.4 S
LONG= 15.9 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
NORTH OF ASCENSION ISLAND

BUH	E Z GT	P	06 15 19.0				6010	54.1	210.4	19.6
FUR	+E Z SL	P	06 15 24.-	3.0	2.81	7	6080	54.7	214.1	22.0
	+I Z SL	AP	06 15 32.-	2.0	2.70	9				
	+I Z SL	XP	06 15 38.-	2.0	2.50	9				
	-E Z SL	-	06 15 52.-	2.5	2.53	9				
	-E Z SL	PCP	06 16 30.-	3.0	2.68	3				
GRF	E Z BE	P	06 15 33.5			2	6220	56.0	213.4	21.0
HOF	-I Z SL	P	06 15 40.-	3.0	3.02	4	6310	56.7	213.9	21.0
	+I Z SL	AP	06 15 49.-	2.0	2.83	4				
	-E Z SL	PCP	06 16 30.-	4.0	2.85	2				

NOV 15 GS
H= 08 20 09.3
LAT = 3.9 N
LONG= 93.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.2
NICOBAR ISLANDS REGION

GRF	E Z BE	P	08 32 04.5			2	8640	77.7	89.2	318.8

NOV 15
NO DETERMINATION OF EPICENTER

HOF= LOCAL.

GRF	E Z BE	PN	08 35 27.5			1				
	E Z BE	PG	08 35 37.1			2				
	E N BE	SG	08 36 16.4			4				
HOF	+E Z SL	-	08 36 28.-	1.5	2.40	2				

NOV 15 GS
H= 15 06 35.5
LAT = 1.4 S
LONG= 15.8 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
NORTH OF ASCENSION ISLAND

BUH	E Z GT	P	15 15 53.3				6010	54.0	210.2	19.5
FUR	Z SL	RM	15 41 30.-	16.0	3.52		6080	54.7	213.9	21.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BNS	E Z FS	P	15 16 10.-	1.9	2.20		6190	55.7	208.2	17.4
GRF	E Z BE	P	15 16 04.3			1	6220	55.9	213.2	20.9
	E Z BE	-	15 16 19.3			3				
	E Z BE	-	15 16 25.6			2				
	E Z BE	PP	15 18 20.1			3				
HOF	-I Z SL	P	15 16 18.-	3.0	3.02	2	6300	56.7	213.8	20.9
	+I Z SL	AP	15 16 25.-	3.0	3.06	7				

NOV 15 GS
H= 17 10 22.2
LAT = 29.3 N
LONG= 69.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
WEST PAKISTAN

GRF	+E Z BE	P	17 19 02.8			2	5370	48.3	92.4	312.0

NOV 16
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	14 08 37.7							

NOV 16 GS
H= 18 03 55.4
LAT = 18.1 S
LONG= 178.4 W
DEPTH=608 KM
MAGNITUDE= 4.7
FIJI ISLANDS REGION

GRF	-E Z BE	PKP	18 22 34.6	0.6	1.34	2	16410	147.6	17.2	348.3
	E Z BE	-	18 22 38.7			2				

NOV 16 GS
H= 19 31 16.1
LAT = 20.6 S
LONG= 174.3 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
TONGA ISLANDS

GRF	E Z BE	PKP	19 51 13.4			2	16750	150.6	10.5	352.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

NOV 16 GS
H= 20 49 27.3
LAT = 44.8 N
LONG= 7.7 E
DEPTH= 10 KM (GEOPHYSICIST)
NORTHERN ITALY

NOV 16 BCS
H= 20 49 28.0
LAT = 44.8 N
LONG= 7.7 E
NORTHERN ITALY

BUH	E Z GT	PN	20 50 27.0				430	3.9	185.6	5.2

NOV 16 GS
H= 23 08 49.0
LAT = 51.2 S
LONG= 139.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
SOUTH OF AUSTRALIA

FUR	-I Z SL	PKP1	23 28 32.-	1.5	1.66	2	16340	146.9	115.0	285.5
	+I Z SL	PKP2	23 28 37.-	1.5	1.66	2				
	+I Z SL	APKP	23 28 41.-	1.5	1.76	2				
	+I Z SL	XPKP	23 28 50.-	1.5	1.76	2				
HOF	-E Z SL	PKP1	23 28 32.-	2.0	2.22	5	16400	147.4	112.2	289.4
GRF	E Z BE	PKP	23 28 32.4			3	16410	147.6	112.8	288.0
BUH	E Z GT	PKP	23 28 34.9				16570	149.0	113.3	284.8

NOV 17 GS
H= 00 26 27.3
LAT = 43.2 N
LONG= 147.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	E Z BE	P	00 38 35.4			2	8880	79.9	31.0	332.8

NOV 17
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	E Z FS	PG	10 36 08.6							
	E N X	SG	10 36 14.0							
	E Z FS		10 36 16.-	0.8	2.08					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 17 GS H= 10 51 21.8 LAT = 1.6 S LONG= 69.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 CARLSBERG RIDGE										
FUR	-I Z SL	P	11 02 36.-	1.5	1.98	8	7880	70.8	115.5	322.8
	-I Z SL	AP	11 02 42.-	1.8	2.54	3				
	+I Z SL	XP	11 02 48.-	1.8	2.04	1				
	+I Z SL	PCP	11 02 56.-	1.8	2.30	2				
	-I Z SL	APCP	11 03 08.-	2.0	2.40	2				
	+I Z SL	XPCP	11 03 12.-	2.0	2.40	9				
	Z SL	RM	11 35 30.-	18.0	3.17					
HOF	+I Z SL	P	11 02 40.-	2.0	2.85	4	7940	71.4	116.6	325.0
	+I Z SL	-	11 02 46.-	2.0	3.18	9				
	+I Z SL	AP	11 02 54.-	2.0	2.70	3				
	+I Z SL	PCP	11 02 59.-	2.0	2.83	4				
	-I Z SL	XPCP	11 03 11.-	2.0	2.83	4				
GRF	E Z BE	P	11 02 40.6			3	7950	71.5	115.9	324.2
BUH	E Z GT	P	11 02 47.9				8100	72.9	113.1	322.4
TNS	-E Z ST	P	11 02 51.0	1.8			8160	73.4	113.7	323.9
NOV 17 GS H= 14 28 48.1 LAT = 20.2 S LONG= 66.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 MASCARENE ISLANDS REGION										
FUR	+E Z SL	P	14 41 20.-	1.5	1.28	3	9340	84.0	129.2	326.5
	-I Z SL	PCP	14 41 24.-	1.3	1.73	1				
	-I Z SL	AP	14 41 30.-	2.0	2.05	5				
	+I Z SL	XP	14 41 35.-	1.5	1.54	9				
NOV 18 GS H= 12 07 35.8 LAT = 44.5 N LONG= 148.8 E DEPTH= 50 KM (GEOPHYSICIST) MAGNITUDE= 5.1 KURIL ISLANDS										
GRF	-I Z BE	P	12 19 37.8	0.8	1.76	3	8810	79.2	29.5	333.5
FUR	+I Z SL	P	12 19 44.-	1.5	1.66	9	8950	80.5	29.4	332.7
BUH	E Z GT	P	12 19 47.0				9010	81.0	27.4	334.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 18 GS H= 15 53 03.3 LAT = 31.9 N LONG= 129.2 E DEPTH= 45 KM MAGNITUDE= 4.6 KYUSHU, JAPAN										
GRF	E Z BE	P	16 05 20.8			2	9110	81.9	49.3	324.6
NOV 19 GS H= 07 28 57.6 LAT = 35.4 N LONG= 27.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.7 DODECANESE ISLANDS										
NOV 19 BCS H= 07 29 00.0 LAT = 35.3 N LONG= 27.9 E DEPTH= 55 KM DODECANESE ISLANDS										
FUR	-I Z SL	P	07 33 02.-	1.5	1.54	2	1960	17.6	130.6	321.6
	+I Z SL	-	07 33 10.-	1.5	1.73	3				
	+I Z SL	PP	07 33 14.-	1.5	1.43	2				
	-I Z SL	-	07 33 19.-	1.5	1.54	9				
	+I Z SL	-	07 33 41.-	1.3	1.73	2				
GRF	E Z BE	P	07 33 14.5			2	2070	18.7	134.0	325.1
BUH	E Z GT	P	07 33 25.5				2170	19.5	125.8	318.9
NOV 19 GS H= 11 19 35.1 LAT = 24.7 S LONG= 64.6 W DEPTH= 40 KM MAGNITUDE= 5.8 SALTA PROVINCE, ARGENTINA										
FUR	-I Z SL	P	11 33 14.-	1.8	1.95	9	11030	99.2	243.3	41.1
	-I Z SL	APCP	11 33 19.-	1.8	2.00	3				
	-I Z SL	XP	11 33 26.-	1.9	2.22	3				
	-E Z SL	PP	11 37 15.-	3.0	2.51	2				
GRF	E Z BE	P	11 33 17.2			2	11100	99.8	243.5	39.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 19 GS H= 13 01 56.1 LAT = 38.9 N LONG= 141.9 E DEPTH= 56 KM MAGNITUDE= 6.1 NEAR EAST COAST OF HONSHU, JAPAN										
HOF	-I Z SL	P	13 14 05.-	2.0	3.48	6	9000	80.9	37.2	330.2
	+I Z SL	PCP	13 14 10.-	2.0	3.43	9				
	-I Z SL	AP	13 14 14.-	2.0	2.92	1				
	+I Z SL	XPCP	13 14 17.-	3.0	3.37	3				
	-I Z SL	PP	13 17 10.-	3.0	3.26	2				
	Z SL	RM	13 53 10.-	16.0	4.94					
GRF	+I Z BE	P	13 14 10.4			9	9080	81.6	36.7	330.1
BNS	+I Z FS	P	13 14 11.7	1.3	2.54		9130	82.1	34.0	333.0
	E Z FS	-	13 14 27.0							
	E Z SL	PP	13 17 36.-							
	E Z SL	LR	13 41 00.-	56.0						
	Z SL	-	13 53 30.-	20.0						
TNS	1I Z SL	P	13 14 13.0				9150	82.3	34.9	331.9
	E Z SL	PP	13 14 36.5							
	E E SL	S	13 24 09.0							
FUR	+I Z SL	P	13 14 16.-	1.5	2.46	9	9210	82.8	36.6	329.2
	-I Z SL	AP	13 14 27.-	1.3	2.28	3				
	Z SL	RM	13 54 30.-	17.0	4.77					
STU	+E Z BE	P	13 14 17.3	1.1	2.77	5	9250	83.2	35.3	330.7
KRL	+E Z ST	P	13 14 16.8	1.8		3	9260	83.3	34.7	331.3
	+I Z WH	P	13 14 18.8	2.2		6				
BUH	+I Z GT	P	13 14 19.6				9300	83.6	34.6	331.2
NOV 19 GS H= 18 40 05.2 LAT = 23.5 S LONG= 70.9 W DEPTH= 58 KM MAGNITUDE= 5.7 CENTRAL CHILE										
FUR	+I Z SL	PP	18 58 44.-	1.5	1.81	9	11760	105.8	245.0	43.6
GRF	E Z BE	PKP	18 58 34.1			2	11830	106.4	245.3	42.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 19 GS H= 21 11 17.1 LAT = 38.9 N LONG= 141.9 E DEPTH= 60 KM MAGNITUDE= 5.1 NEAR EAST COAST OF HONSHU, JAPAN										
GRF	+I Z BE	P	21 23 31.1	1.2	1.98	6	9080	81.7	36.7	330.2
FUR	+I Z SL	P	21 23 37.-	1.8	2.00	3	9210	82.9	36.6	329.2
BUH	E Z GT	P	21 23 40.6				9300	83.6	34.6	331.2
NOV 20 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	00 48 55.4			2				
NOV 20 BCS H= 02 33 16.0 LAT = 31.8 N LONG= 54.6 E IRAN										
NOV 20 GS H= 02 33 17.7 LAT = 32.0 N LONG= 54.5 E DEPTH= 45 KM MAGNITUDE= 5.0 IRAN										
GRF	E Z BE	P	02 40 23.2			1	4090	36.8	102.5	311.9
NOV 20 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	08 12 35.8							
NOV 20 GS H= 08 45 35.3 LAT = 42.0 N LONG= 142.6 E DEPTH= 77 KM MAGNITUDE= 4.5 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	08 57 35.4			2	8810	79.2	34.7	330.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 20 GS H= 11 27 59.6 LAT = 15.5 S LONG= 174.8 W DEPTH=283 KM MAGNITUDE= 4.9 TONGA ISLANDS										
GRF	E Z BE	PKP	11 47 06.6			2	16190	145.6	10.4	353.0
NOV 20 BCS H= 13 02 36.0 LAT = 39.3 N LONG= 24.0 E AEGEAN SEA										
NOV 20 GS H= 13 02 36.8 LAT = 39.4 N LONG= 24.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.8 AEGEAN SEA										
FUR	+I Z SL	-	13 05 30.-	1.5	1.28	5	1420	12.8	129.3	318.1
	+E Z SL	-	13 05 58.-	2.0	1.94	2				
	+I Z SL	S	13 07 36.-	1.8	2.08	9				
	-I Z SL	SS	13 07 56.-	1.8	1.95	5				
	+I Z SL	SSS	13 08 06.-	1.5	1.62	2				
	Z SL	RM	13 11 10.-	2.0	2.64					
GRF	E Z BE	P	13 06 00.2			1	1530	13.8	134.0	323.0
	E Z BE	-	13 07 26.4			3				
HOF	-E Z SL	P	13 05 59.-	2.0	2.53	2	1550	14.0	137.5	326.1
	-E Z SL	PP	13 06 13.-	3.0	2.72	9				
	+E Z SL	-	13 06 36.-	5.0	2.95	3				
	+E Z SL	SS	13 08 54.-	6.0	3.22	9				
	Z SL	RM	13 13 30.-	8.0	3.82					
BUH	E Z GT	P	13 06 09.2				1630	14.7	123.8	314.8
BNS	E Z BS	P	13 06 48.-	1.8	1.90		1850	16.6	128.2	320.1
	E Z SL	LR	13 11 16.-							
	Z SL	-	13 13 30.-	16.0						
NOV 20 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	15 35 46.2			1				
	E N BE	SG	15 36 15.7			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 20 GS H= 16 57 38.6 LAT = 52.5 N LONG= 160.9 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 OFF EAST COAST OF KAMCHATKA										
GRF	E Z BE	P	17 09 17.8			2	8340	75.0	18.6	340.1
	-I Z BE	-	17 09 19.3			9				
FUR	-I Z SL	P	17 09 27.-	1.5	1.59	9	8500	76.4	18.5	339.6
	-I Z SL	PCP	17 09 38.-	1.3	2.00	9				
	+I Z SL	APCP	17 09 46.-	1.8	1.90	8				
	Z SL	RM	17 50 40.-	12.0	3.09					
BUH	E Z GT	P	17 09 26.3				8510	76.5	16.8	341.8
NOV 20 GS H= 19 10 45.6 LAT = 1.3 S LONG= 100.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 SOUTHERN SUMATRA										
GRF	E Z BE	P	19 23 46.8			1	10080	90.6	91.3	319.5
NOV 21 GS H= 00 50 30.2 LAT = 3.6 S LONG= 28.2 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.1 LAKE TANGANYIKA REGION										
GRF	E Z BE	P	01 00 04.5			1	6120	55.1	159.2	346.6
	E Z BE	-	01 00 40.9			1				
NOV 21 GS H= 13 31 32.1 LAT = 14.5 N LONG= 92.7 W DEPTH= 59 KM MAGNITUDE= 5.3 NEAR COAST OF CHIAPAS, MEXICO										
BNS	+E Z BS	P	13 44 04.0	1.8	1.60		9450	85.0	286.7	38.7
	E Z SL	-	13 44 04.-	10.0						
	E Z SL	LR	14 11 00.-	60.0						
	Z SL	-	14 23 30.-	17.0						
BUH	E Z GT	P	13 44 08.7				9600	86.3	287.7	40.7
GRF	E Z BE	P	13 44 17.2			2	9770	87.8	289.8	39.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	Z SL	RM	14 25 40.-	18.0	4.01		9790	88.0	290.3	38.4
FUP	+I Z SL	P	13 44 23.-	1.5	1.54	5	9830	88.4	289.9	40.5
	Z SL	RM	14 26 00.-	19.0	3.28					

NOV 21 GS
H= 15 01 52.6
LAT = 20.1 S
LONG= 178.4 W
DEPTH=617 KM
MAGNITUDE= 5.1
FIJI ISLANDS REGION

HOF	+I Z SL	PKP1	15 20 32.-	1.5	2.88	6	16540	148.7	18.9	347.2
	-I Z SL	PKHKP	15 20 38.-	1.5	2.55	5				
BNS	-I Z FS	PKP	15 20 32.6	1.4	2.36		16550	148.9	10.2	353.2
	E Z FS	-	15 20 38.5							
TNS	-I Z B	PKP	15 20 34.2	1.5		3	16620	149.4	12.8	351.3
GRF	E Z BE	PKP	15 20 29.0			2	16620	149.5	18.0	347.6
	-I Z BE	-	15 20 34.5	1.1	2.06	4				
	+I Z BE	-	15 20 42.0			4				
STU	E Z BE	PKP	15 20 30.0	1.3	1.82	2	16760	150.7	14.7	349.7
	-E Z BE	-	15 20 36.5	1.0	2.19	3				
FUP	+E Z SL	PKP1	15 20 31.-	1.8	1.85	7	16780	150.9	19.0	346.6
	-I Z SL	PKHKP	15 20 37.-	1.5	1.89	4				
	+I Z SL	PKP2	15 20 43.-	1.3	2.40	8				
BUH	E Z GT	PKP	15 20 30.7				16790	151.0	13.0	350.9
	E Z GT	PKP	15 20 37.5							
	E Z GT	PKP	15 20 47.5							

NOV 21 GS
H= 19 47 56.3
LAT = 34.7 N
LONG= 81.0 E
DEPTH= 26 KM
MAGNITUDE= 5.0
TIBET

GRF	E Z BE	P	19 57 05.5			1	5780	52.0	79.0	309.4
	E Z BE	PCP	19 58 20.7			2				
FUP	-I Z SL	P	19 57 11.-	1.5	1.76	5	5810	52.3	77.9	307.4
	+I Z SL	-	19 57 17.-	1.8	2.00	2				
	+I Z SL	XP	19 57 24.-	1.3	1.84	2				
BUH	E Z GT	P	19 57 21.3				6020	54.1	76.3	308.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

NOV 21 GS
H= 21 05 20.4
LAT = 46.1 N
LONG= 151.4 E
DEPTH= 84 KM
MAGNITUDE= 5.6
KURIL ISLANDS

HAM	E Z SX	P	21 16 57.-			6	8400	75.5	26.6	337.4
HOF	-I Z SL	P	21 17 09.-	1.8	3.08	9	8650	77.8	27.5	334.8
BNS	+I Z FS	P	21 17 13.3	1.2	2.32		8730	78.5	24.5	337.9
	E Z FS	-	21 17 18.4							
GRF	+I Z BE	P	21 17 14.3	0.9	2.43	9	8730	78.5	27.0	334.9
TNS	+I Z B	P	21 17 14.8	2.0		4	8760	78.8	25.3	336.8
FUR	+I Z SL	P	21 17 21.-	1.4	2.59	9	8880	79.9	26.9	334.2
	-I Z SL	PCP	21 17 27.-	1.8	2.18	3				
STU	+E Z BE	P	21 17 21.0	1.0	2.27	5	8890	79.9	25.6	335.7
BUH	+I Z GT	P	21 17 23.4				8930	80.3	25.0	336.3

NOV 22 GS
H= 01 29 20.4
LAT = 61.4 N
LONG= 139.0 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.5
SOUTHERN YUKON TERRITORY, CANADA

GRF	E Z BE	P	01 40 12.4			1	7420	66.8	344.9	20.6

NOV 22
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	05 59 56.7			2				
	E N BE	SG	06 00 24.3			2				

NOV 22
NO DETERMINATION OF EPICENTER

BNS= EXPLOSION SUPPOSED.

BNS	I Z FS	PG	12 50 57.5							
	E N X	SG	12 51 02.9							
	E Z FS		12 51 08.-							

NOV 22
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR= LOCAL.										
FUR	-E Z SL	-	14 02 10.-	1.5	1.28	5				
	Z SL	MAXIMUM	14 02 33.-	1.5	1.49					
NOV 22 BCS H= 14 54 53.0 LAT = 40.3 N LONG= 30.0 E TURKEY										
NOV 22 GS H= 14 54 55.9 LAT = 40.3 N LONG= 29.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.2 TURKEY										
GRF	E Z BE	P	14 58 47.7			1	1800	16.2	118.2	311.6
NOV 23 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	01 51 23.9							
NOV 23 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	02 54 54.9							
NOV 23 GS H= 13 36 19.3 LAT = 38.5 N LONG= 28.3 W DEPTH= 5 KM (GEOPHYSICIST) MAGNITUDE= 5.0 AZORES ISLANDS										
NOV 23 BCS H= 13 36 25.0 LAT = 38.5 N LONG= 28.2 W AZORES ISLANDS										
NOS= ONE KILLED AND 3700 PEOPLE DISPLACED FROM THEIR HOMES ON PICO (INT. VIII). FELT (VII) ON FAITAL AND (IV) ON TERCEIRA.										
BNS	E Z FS	P	13 42 20.0	2.3	2.04		3100	27.9	257.2	51.8
	E Z SL	LR	13 49 10.-	36.0						
BUH	E Z GT	P	13 42 13.6				3130	28.1	262.5	56.8

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	-E Z SL	P	13 42 31.-	1.8	1.70	3	3350	30.1	266.0	58.3
	+I Z SL	-	13 42 36.-	1.6	1.70	9				
	-I Z SL	PP	13 43 29.-	1.8	2.00	9				
	Z SL	QM	13 54 20.-	11.0	3.62					
GRF	E Z BE	P	13 42 31.6			2	3360	30.2	263.4	55.2
HOF	-E Z SL	P	13 42 36.-	1.5	2.25	7	3410	30.7	262.9	54.1
	-E Z SL	-	13 42 45.-	2.0	2.70	8				
	+I Z SL	PP	13 43 34.-	2.5	2.63	9				
	+I Z SL	PPP	13 43 45.-	3.0	2.72	2				
	Z SL	QM	13 53 50.-	14.0	4.08					
NOV 23 GS H= 23 58 18.7 LAT = 38.9 N LONG= 77.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.5 SOUTHERN SINKIANG PROV., CHINA										
GRF	E Z BE	P	00 07 18.7			1	5260	47.3	76.8	305.9
	E Z BE	-	00 08 00.4			1				
NOV 24 GS H= 14 05 46.4 LAT = 36.1 N LONG= 4.4 E DEPTH= 17 KM MAGNITUDE= 5.1 ALGERIA										
NOV 24 BCS H= 14 05 49.0 LAT = 36.1 N LONG= 4.4 E ALGERIA										
BCIS= 4 KILLED AND MAJOR DAMAGES AT BORDJ-BOU-ARRERIDJ. FELT III-IV AT ALGER.										
BUH	E Z GT	P	14 08 48.0				1430	12.8	194.0	11.5
FUR	-I Z SL	P	14 08 55.-	1.3	2.54	9	1450	13.0	205.4	20.8
	+I Z SL	XP	14 09 02.-	1.8	1.23	9				
	+I Z SL	PP	14 09 04.-	1.8	2.54	2				
	-I Z SL	PPP	14 09 10.-	1.3	2.26	5				
	+I Z SL	-	14 09 20.-	1.5	1.76	9				
	+I Z SL	-	14 09 25.-	1.5	1.81	9				
	-I Z SL	S	14 11 14.-	1.9	2.19	3				
	Z SL	QM	14 15 10.-	4.0	3.17					
STU	E Z BE	P	14 08 55.0	1.0	1.79	2	1460	13.1	197.3	14.1
GRF	E Z BE	P	14 09 11.7			2	1600	14.4	202.7	18.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	E Z FS	P	14 09 18.5	1.8	2.11		1660	15.0	188.7	6.8
	E Z SL	LP	14 13 00.-	36.0						
	Z SL	-	14 14 10.-	18.0						
HOF	+I Z SL	PP	14 09 30.-	5.0	3.43	4	1690	15.2	203.7	18.6
	Z SL	RM	14 18 00.-	9.0	3.99					

NOV 24 BCS
H= 15 22 09.0
LAT = 36.1 N
LONG= 4.4 E
ALGERIA

NOV 24 GS
H= 15 22 09.8
LAT = 36.1 N
LONG= 4.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
ALGERIA

BUH	E Z GT	P	15 25 10.3				1430	12.9	194.0	11.5
FUR	-I Z SL	P	15 25 17.-	1.5	1.62	9	1450	13.1	205.4	20.7
	+I Z SL	-	15 25 19.-	1.3	2.06	3				
	-I Z SL	XP	15 25 26.-	2.0	2.50	4				
	-I Z SL	PP	15 25 29.-	1.8	2.30	4				
	-I Z SL	XPP	15 25 33.-	1.8	2.26	4				
	+I Z SL	-	15 25 51.-	1.8	2.18	3				
	+I Z SL	-	15 26 52.-	1.5	1.76	4				
	+I Z SL	S	15 27 42.-	1.5	1.59	5				
	-I Z SL	SS	15 27 56.-	1.8	2.00	5				
	+I Z SL	SSS	15 28 11.-	2.5	2.43	9				
	Z SL	RM	15 31 00.-	14.0	3.82					
STU	E Z BE	P	15 25 17.0	1.3	2.15	2	1460	13.1	197.3	14.1
GRF	E Z BE	P	15 25 35.2			3	1610	14.5	202.6	18.0
BNS	E Z FS	P	15 25 47.6	2.3	2.18		1670	15.0	188.7	6.8
	E Z SL	LR	15 30 00.-							
	Z SL	-	15 30 30.-	18.0						

NOV 25 GS
H= 04 20 22.5
LAT = 36.2 N
LONG= 4.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.9
ALGERIA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

NOV 25 BCS
H= 04 20 25.0
LAT = 36.1 N
LONG= 4.4 E
ALGERIA

BUH	E Z GT	P	04 23 21.9				1420	12.8	193.9	11.3
FUR	-I Z SL	P	04 23 39.-	1.8	2.38	9	1440	13.0	205.3	20.7
	+I Z SL	PP	04 23 39.-	1.8	2.18	3				
	+I Z SL	PPP	04 23 44.-	2.0	2.05	5				
	-I Z SL	-	04 23 54.-	1.8	2.15	3				
	Z SL	RM	04 31 40.-	6.0	3.26					
GRF	E Z BE	P	04 23 45.7			2	1600	14.4	202.6	17.9
BNS	E Z FS	P	04 23 56.5	2.0	2.18		1660	14.9	188.6	6.7
	E Z SL	LR	04 28 32.-	18.0						

NOV 25 GS
H= 04 24 47.3
LAT = 33.8 N
LONG= 135.5 E
DEPTH= 51 KM
MAGNITUDE= 5.7
NEAR S. COAST OF SOUTHERN HONSHU.

GRF	+I Z BE	P	04 37 10.6	0.8	1.49	6	9260	83.3	43.9	327.3
	E Z BE	AP	04 37 24.2			3				
BNS	E Z FS	P	04 37 17.-				9350	84.1	41.1	330.1
	E Z FS	-	04 37 26.-							
FUR	+I Z SL	P	04 37 18.-	1.5	1.59	3	9380	84.4	43.8	326.2
	+I Z SL	APCP	04 37 30.-	1.5	1.98	9				
	+I Z SL	XPCP	04 37 36.-	1.5	1.69	4				
STU	E Z BE	P	04 37 17.0	0.9	1.59	2	9440	84.9	42.4	327.6
	E Z BE	-	04 37 31.7	1.0	2.09	3				
BUH	E Z GT	P	04 37 20.0				9490	85.4	41.7	328.0

NOV 25 GS
H= 04 33 19.9
LAT = 18.8 S
LONG= 69.2 W
DEPTH=139 KM
MAGNITUDE= 5.1
NORTHERN CHILE

GRF	E Z BE	PP	04 51 22.4			2	10910	98.1	250.6	40.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 25 GS H= 09 19 14.6 LAT = 33.8 N LONG= 135.4 E DEPTH= 56 KM MAGNITUDE= 5.7 NEAR S. COAST OF SOUTHERN HONSHU										
HOF	-I Z SL	P	09 31 33.-	4.0	3.28	2	9170	82.5	44.4	327.4
	-E Z SL	APCP	09 31 45.-	3.0	3.02	9				
GRF	-I Z BE	P	09 31 36.7	1.0	2.33	7	9260	83.2	43.9	327.2
	I Z BE	AP	09 31 52.1			5				
BNS	-I Z FS	P	09 31 39.8	1.5	2.04		9350	84.1	41.1	330.0
	E Z FS	-	09 31 55.5							
FUP	-I Z SL	P	09 31 42.-	1.5	2.23	9	9380	84.3	43.8	326.1
	-I Z SL	XP	09 31 58.-	1.5	1.98	5				
STU	-E Z BE	P	09 31 44.3	1.0	2.25	3	9430	84.8	42.4	327.6
BUH	E Z GT	P	09 31 46.6				9490	85.3	41.7	328.0
NOV 25 GS H= 11 45 49.9 LAT = 21.5 S LONG= 174.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 TONGA ISLANDS										
GRF	E Z BE	PKP	12 05 43.2			1	16850	151.5	10.6	352.7
	E Z BE	-	12 05 51.2			3				
NOV 25 GS H= 17 11 19.0 LAT = 55.7 S LONG= 28.3 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.7 SOUTH SANDWICH ISLANDS REGION										
FUP	Z SL	OM	18 14 00.-	17.0	3.21		12090	108.7	202.3	26.7
NOV 26 NO DETERMINATION OF EPICENTER BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	PG	12 50 43.5							
	E Z FS		12 51 01.-	1.0	2.00					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 26 GS H= 15 37 48.1 LAT = 41.6 N LONG= 142.0 E DEPTH= 73 KM MAGNITUDE= 4.6 HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	15 50 05.5			2	8830	79.4	35.3	330.0
NOV 26 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	16 13 52.5							
NOV 26 NO DETERMINATION OF EPICENTER HOF= LOCAL.										
GRF	I Z JM	PN	21 10 49.2			3				
	E Z BE	PG	21 10 50.9			2				
	E N BE	SG	21 11 13.0			2				
HOF	+E Z SL	-	21 11 05.-	1.5	2.10	5				
BUH	E Z GT	PN	21 11 17.5							
NOV 26 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	21 18 08.6			1				
NOV 27 GS H= 06 19 27.7 LAT = 43.0 N LONG= 146.3 E DEPTH= 57 KM MAGNITUDE= 4.7 KURIL ISLANDS										
GRF	E Z BE	P	06 31 30.7			1	8860	79.7	31.8	332.2
NOV 27 GS H= 09 31 10.8 LAT = 33.0 N LONG= 86.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 TIBET										
GRF	E Z BE	P	09 40 55.2			2	6310	56.7	76.7	311.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 27 GS H= 13 52 29.6 LAT = 53.6 N LONG= 160.5 E DEPTH= 60 KM MAGNITUDE= 5.3 NEAR EAST COAST OF KAMCHATKA										
HAM	E Z SX	P	14 03 40.-			5	7840	70.5	18.1	341.3
BRN	+I Z ET	P	14 03 42.0	2.0	3.40	5	7880	70.8	19.3	339.5
HOF	-I Z SL	P	14 03 54.-	2.0	3.43	9	8130	73.1	18.9	339.6
	+I Z SL	PCP	14 04 09.-	1.5	2.52	3				
BNS	+I Z FS	P	14 03 56.9	1.4	2.68		8160	73.4	16.2	342.8
	E Z SL	LR	14 35 30.-							
	Z SL	-	14 41 00.-	20.0						
GRF	+I Z BE	P	14 04 00.0	0.9	2.87	9	8210	73.8	18.4	339.8
TNS	+E Z B	P	14 03 59.5	1.5		5	8210	73.9	16.9	341.8
KPL	+E Z ST	P	14 04 06.5	1.5		4	8340	75.0	16.7	341.4
STU	+I Z BE	P	14 04 06.6	1.2	2.86	5	8350	75.1	17.2	340.8
FUR	+I Z SL	P	14 04 08.-	1.2	2.85	9	8370	75.3	18.3	339.3
	-I Z SL	-	14 04 18.-	1.3	2.18	3				
	+I Z SL	XP	14 04 40.-	1.3	2.06	8				
	+I Z SL	APCP	14 04 44.-	1.3	2.06	2				
	Z SL	PM	14 43 20.-	17.0	3.39					
BUH	+I Z GT	P	14 04 08.5				8380	75.4	16.6	341.4
NOV 27 GS H= 16 37 46.0 LAT = 24.2 S LONG= 173.7 W DEPTH=460 KM MAGNITUDE= 4.8 SOUTH OF FIJI ISLANDS										
GRF	E Z BE	PKP	16 27 06.2			1	17030	153.1	22.6	344.1
NOV 28 GS H= 00 50 43.5 LAT = 20.6 S LONG= 177.8 W DEPTH=443 KM (GEOPHYSICIST) MAGNITUDE= 4.8 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	01 09 50.7			1	16690	150.1	17.2	348.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
NOV 28 GS H= 05 23 52.0 LAT = 37.8 N LONG= 138.3 E DEPTH=216 KM MAGNITUDE= 4.8 NEAR WEST COAST OF HONSHU, JAPAN										
GRF	E Z BE	P	05 35 45.3			2	9020	81.2	39.8	328.4
NOV 28 GS H= 05 40 41.6 LAT = 43.3 N LONG= 147.5 E DEPTH= 63 KM MAGNITUDE= 4.5 KURIL ISLANDS										
GRF	E Z BE	P	05 52 45.4			2	8870	79.8	30.8	332.9
NOV 28 GS H= 06 45 06.3 LAT = 14.5 N LONG= 90.0 W DEPTH=230 KM MAGNITUDE= 5.0 GUATEMALA										
GRF	+E Z BE	P	06 57 23.0			2	9580	86.2	287.8	39.7
NOV 28 GS H= 07 05 39.0 LAT = 2.9 N LONG= 96.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 NORTHERN SUMATRA										
GRF	E Z BE	P	07 18 11.8			2	9420	84.7	91.8	319.5
NOV 28 GS H= 08 12 31.4 LAT = 41.9 S LONG= 42.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.7 PRINCE EDWARD ISLANDS REGION										
FUR	+I Z SL	P	08 25 50.-	2.0	2.10	2	10440	93.9	157.0	339.5
	+I Z SL	AP	08 25 58.-	2.0	2.10	2				
	+I Z SL	XPCP	08 26 04.-	1.5	1.59	3				
	Z SL	PM	09 10 00.-	20.0	3.66					
GRF	E Z BE	P	08 25 47.0			1	10600	95.3	156.9	340.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
HOF	Z SL	RM	09 14 00.-	17.0	4.45		10640	95.7	157.3	340.7
BNS	E Z SL	PP	08 30 02.-				10840	97.5	154.0	338.2
	E Z SL	S	08 38 55.-							
	E Z SL	LR	08 58 30.-							
	Z SL	-	09 00 00.-							

NOV 28 GS
H= 15 55 20.8
LAT = 37.9 N
LONG= 81.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
SOUTHERN SINKIANG PROV., CHINA

GRF	E Z BE	P	16 04 16.8			2	5590	50.3	75.4	307.4
	E Z BE	-	16 04 21.3			3				

NOV 29 GS
H= 00 29 56.4
LAT = 3.5 S
LONG= 145.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.1
NEAR NORTH COAST OF NEW GUINEA

HOF	Z SL	RM	01 42 30.-	20.0	4.47		13280	119.4	55.4	328.1
FUR	Z SL	RM	01 43 30.-	20.0	3.40		13450	121.0	55.9	326.3
BNS	E Z SL	-	01 01 33.-				13500	121.4	50.4	330.8
	E Z SL	LP	01 27 00.-	50.0						
	Z SL	-	01 43 00.-	13.0						

NOV 29 GS
H= 10 57 42.7
LAT = 35.2 N
LONG= 23.8 E
DEPTH= 26 KM
MAGNITUDE= 5.7
CRETE

NOV 29 BCS
H= 10 57 46.0
LAT = 35.0 N
LONG= 23.9 E
CRETE

NOS= SLIGHT DAMAGE IN THE PALEOHORO VILLAGE AREA. FELT STRONGLY ON THE SOUTHWEST COAST.

FUP	+I Z SL	P	11 01 28.-	1.8	2.85	9	1780	16.0	139.8	328.2
	+I Z SL	S	11 04 17.-	1.8	2.72	3				
	-I Z SL	XS	11 04 34.-	1.5	2.20	2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-I Z SL	SS	11 04 44.-	1.7	2.56	8				
	-I Z SL	SSS	11 05 01.-	1.5	2.23	4				
	-I Z SL	-	11 05 10.-	1.5	2.40	9				
	Z SL	RM	11 08 50.-	9.0	5.14					
GRF	-I Z BE	P	11 01 43.9			4	1910	17.2	142.9	331.4
STU	E Z BE	P	11 01 45.5	1.0	2.65	2	1930	17.3	136.1	326.0
	E E SL	S	11 05 00.0	10.8	3.75	6				
HOF	+I Z SL	P	11 01 48.-	3.0	3.20	6	1940	17.4	145.6	333.8
	+I Z SL	PP	11 02 01.-	3.0	3.42	3				
	+I Z SL	PPP	11 02 12.-	2.0	3.07	4				
	+I Z SL	-	11 02 19.-	2.0	3.21	9				
	-I Z SL	-	11 02 27.-	2.0	3.04	7				
	-I Z SL	XS	11 05 09.-	3.0	3.32	4				
	-I Z SL	SS	11 05 20.-	3.5	3.26	9				
	-I Z SL	SSS	11 05 29.-	3.0	3.12	3				
	+I Z SL	-	11 05 43.-	4.0	3.45	4				
	Z SL	RM	11 10 00.-	12.0	5.04					
BUH	E Z GT	P	11 01 50.2				1970	17.7	133.8	324.3
	I Z GT	P	11 01 54.0							
KRL	-E Z ST	P	11 01 55.5	2.5		6	1990	17.9	134.9	325.3
	-I Z WH	P	11 01 55.6	3.6		9				
TNS	+I Z B	P	11 02 00.0	1.5		2	2080	18.7	137.5	328.0
	I E SL	S	11 05 20.0	4.0		8				
BRN	+E Z ET	P	11 02 02.-			2	2090	18.8	152.2	339.6
	+I Z ET	PP	11 02 21.3	3.0		4				
BNS	E Z FS	P	11 02 14.0	1.2	2.82		2210	19.8	136.3	327.8
	E Z SL	-	11 02 16.-	8.0						
	E Z SL	S	11 05 58.-	13.0						
	E Z SL	LR	11 07 20.-	43.0						
	Z SL	-	11 11 20.-	16.0						
BOC	-E Z B4	P	11 02 17.4	0.8	2.78	2	2250	20.2	137.4	328.9
HAM	E Z SX	P	11 02 22.-			3	2310	20.7	146.3	336.1
	E N WI	S	11 06 14.-			3				

NOV 29
NO DETERMINATION OF EPICENTER

BUH	E Z GT	P	10 59 38.2

NOV 29
NO DETERMINATION OF EPICENTER

FUP= EXPLOSION.

HOF	Z SL	MAXIMUM	15 01 35.-	1.5	2.80					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
BUH	E Z GT	PN	15 02 03.1							
FUR	+I Z SL	-	15 02 15.-	1.8	2.00	2				
	-I Z SL	-	15 02 58.-	1.8	2.00	5				
	Z SL	MAXIMUM	15 03 33.-	1.5	1.59					
	NOV 29									
	NO DETERMINATION OF EPICENTER									
BNS	E Z FS	-	15 30 35.-							
	E N X	SG	15 30 45.5	0.9	2.00					
	NOV 29 BCS									
	H= 16 47 31.0									
	LAT = 45.3 N									
	LONG= 18.2 E									
	YUGOSLAVIA									
	NOV 29 GS									
	H= 16 47 33.8									
	LAT = 45.5 N									
	LONG= 18.7 E									
	DEPTH= 33 KM (NORMAL)									
	MAGNITUDE= 4.8									
	YUGOSLAVIA									
	BCIS= FELT V AT SLAVONSKI BROD.									
FUR	+I Z SL	-	16 49 19.-	1.0	2.06	6	620	5.6	118.5	303.5
	+I Z SL	PG	16 49 32.-	1.3	1.93	2				
	-I Z SL	SN	16 50 01.-	1.5	1.36	1				
	+I Z SL	SG	16 50 32.-	1.5	1.54	9				
	Z SL	MAXIMUM	16 51 58.-	2.0	2.27					
GRF	E Z BE	P	16 49 09.2			2	720	6.5	130.3	315.4
FUH	E Z GT	PN	16 49 25.1				850	7.6	112.6	299.9
	NOV 29 GS									
	H= 17 19 34.4									
	LAT = 42.9 N									
	LONG= 145.4 E									
	DEPTH= 56 KM									
	MAGNITUDE= 4.8									
	HOKKAIDO, JAPAN REGION									
GRF	E Z BE	P	17 31 37.0			2	8840	79.5	32.4	331.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	NOV 29 GS									
	H= 17 59 21.3									
	LAT = 53.3 N									
	LONG= 153.4 E									
	DEPTH=491 KM									
	MAGNITUDE= 5.2									
	SEA OF OKHOTSK									
GRF	-I Z BE	P	18 09 58.8	0.7	1.73	6	8060	72.5	22.7	335.3
	E Z BE	AP	18 11 43.6			3				
	E Z BE	XP	18 12 33.7			2				
FUR	+I Z SL	P	18 10 07.-	1.5	1.62	6	8220	73.9	22.6	334.6
BUH	E Z GT	P	18 10 08.1				8250	74.2	20.9	336.8
	NOV 29 GS									
	H= 19 43 34.7									
	LAT = 36.0 N									
	LONG= 24.8 E									
	DEPTH=163 KM									
	MAGNITUDE= 3.7									
	SOUTHERN GREECE									
GRF	E Z BE	P	19 47 19.-			1	1880	16.9	139.1	328.4
	NOV 30 GS									
	H= 08 09 55.4									
	LAT = 15.2 S									
	LONG= 167.4 E									
	DEPTH=124 KM									
	MAGNITUDE= 6.0									
	NEW HEBRIDES ISLANDS									
BRN	+E Z ET	PKIKP	08 29 09.-			2	15300	137.6	38.6	336.7
	+E Z ET	PP	08 31 57.-			2				
HAM	+E Z SX	PKP	08 29 09.-			5	15330	137.9	33.5	340.0
	+I N WI	-	08 32 45.-			8				
HLG	- Z SL	PP	08 33 02.-			3	15340	137.9	30.3	342.1
HOF	-I Z SL	PKP1	08 29 03.-	1.8	2.66	9	15540	139.8	38.3	335.7
	+I Z SL	-	08 30 12.-	6.0	4.12	6				
	+E Z SL	APKP	08 30 41.-	8.0	3.82	5				
	+I Z SL	PP	08 32 07.-	6.0	4.02	6				
	-E Z SL	APP	08 32 35.-	10.0	4.16	9				
	+I Z SL	-	08 34 10.-	9.0	4.03	9				
GRF	E Z BE	PKP	08 29 00.-			2	15620	140.5	37.8	335.6
	-E Z BE	-	08 29 06.7			4				
	E Z BE	-	08 29 10.8			4				
	I Z BE	-	08 29 17.1			9				
BNS	+E Z FS	PKP	08 29 04.4	1.2	2.26		15670	140.9	31.2	340.1
	+E Z SL	-	08 29 05.-	7.0						

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z SL	PP	08 32 13.-							
	E Z SL	LR	09 11 20.-	60.0						
	Z SL	-	09 19 00.-	36.0						
TNS	1E Z SL	PKP	08 29 06.8	8.0		3	15690	141.1	33.5	338.4
	Z SL	APKP	08 29 48.0			4				
	E Z SL	SKP	08 32 18.0	6.5		9				
	E Z SL	APP	08 32 47.0	8.0		5				
	E E SL	XPP	08 33 46.0	12.0		3				
FUR	+I Z SL	PKP1	08 29 09.-	1.3	2.27	4	15750	141.7	39.1	334.1
	+I Z SL	APKP	08 29 31.-	1.3	2.27	3				
	+I Z SL	XPKP	08 29 43.-	1.3	2.20	5				
	-I Z SL	PP	08 32 24.-	3.0	3.21	2				
STU	+E Z BE	PKP	08 29 09.5	1.2	2.59	3	15790	142.0	35.7	336.5
KPL	+E Z WH	PKP	08 29 08.8	6.0		9	15810	142.1	34.3	337.4
BUH	- Z GT	PKP	08 29 11.3				15840	142.5	34.3	337.2

NOV 30
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	-I Z SL	-	11 58 29.-	1.0	2.27	9				

NOV 30
NO DETERMINATION OF EPICENTER

HOF	+I Z SL	-	12 00 15.-	1.0	2.15	3				

NOV 30 GS
H= 16 58 51.4
LAT = 1.3 N
LONG= 125.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
MOLUCCA PASSAGE

GRF	+E Z BE	P	17 13 22.2			2	11650	104.8	69.9	322.4

NOV 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	20 08 47.5							

DEC 01
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 31 17.0			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.

DEC 01
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	10 15 26.1			1				

DEC 01 GS
H= 10 38 51.0
LAT = 43.0 N
LONG= 146.1 E
DEPTH= 36 KM
MAGNITUDE= 5.4
KURIL ISLANDS

HOF	Z SL	RM	11 29 30.-	15.0	3.66		8770	78.8	32.4	332.1
GRF	E Z BE	P	10 50 55.8	0.8	1.72	2	8850	79.6	31.9	332.1
BNS	+E Z FS	P	10 50 56.6				8870	79.8	29.3	335.0
	E Z FS	-	10 51 21.-							
FUR	+E Z SL	-	10 50 54.-	1.9	1.83	2	8990	80.9	31.8	331.2
	+I Z SL	AP	10 51 02.-	1.3	1.89	3				
	+I Z SL	XP	10 51 06.-	1.3	2.03	3				
	-I Z SL	XPCP	10 51 12.-	1.8	2.00	1				
BUH	E Z GT	P	10 51 05.6				9060	81.5	29.9	333.3

DEC 01 GS
H= 14 34 10.1
LAT = 17.7 S
LONG= 69.7 W
DEPTH=142 KM
MAGNITUDE= 5.2
PERU-BOLIVIA BORDER REGION

GRF	E Z BE	P	14 47 30.8			2	10860	97.6	251.7	40.3

DEC 01 GS
H= 17 00 56.2
LAT = 35.6 S
LONG= 74.5 W
DEPTH= 35 KM
MAGNITUDE= 5.3
OFF COAST OF CENTRAL CHILE

FUR	Z SL	RM	18 08 20.-	20.0	3.40		12560	113.0	242.0	46.5
GRF	E Z BE	PKP	17 19 32.6			2	12640	113.6	242.5	45.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 01 GS H= 23 16 54.8 LAT = 43.1 N LONG= 146.9 E DEPTH= 31 KM MAGNITUDE= 5.3 KURIL ISLANDS										
GRF	+I Z BE	P	23 29 01.7	0.9	1.66	3	8870	79.8	31.3	332.6
	E Z BE	AP	23 29 13.4			2				
BNS	E Z FS	P	23 29 02.4				8890	80.0	28.7	335.5
FUR	+I Z SL	P	23 29 08.-	1.8	2.15	3	9020	81.1	31.2	331.7
	+E Z SL	XP	23 29 22.-	1.5	1.54	2				
STU	E Z BE	P	23 29 08.9	0.9	1.37	2	9040	81.3	29.9	333.2
BUH	E Z GT	P	23 29 12.5				9080	81.7	29.2	333.8
DEC 01 GS H= 23 18 03.9 LAT = 43.2 N LONG= 146.9 E DEPTH= 40 KM MAGNITUDE= 5.8 KURIL ISLANDS										
BRN	+E Z ET	P	23 29 53.-			2	8530	76.7	32.9	332.9
	E N ET	S	23 39 37.-	5.0		2				
HOF	+I Z SL	P	23 30 06.-	1.5	2.70	9	8780	79.0	31.8	332.5
	-I Z SL	PCP	23 30 14.-	1.8	2.78	1				
	+I Z SL	APCP	23 30 22.-	1.5	2.78	5				
	+I Z SL	XPCP	23 30 32.-	2.0	2.83	3				
	Z SL	PM	00 11 00.-	14.0	4.64					
GRF	+I Z BE	P	23 30 09.4	1.0	2.24	9	8860	79.7	31.3	332.5
	I Z BE	AP	23 30 21.6			4				
BNS	+I Z FS	P	23 30 10.0	1.1	2.20		8890	79.9	28.7	335.4
	+I Z SL	-	23 30 10.-	12.0						
	E Z FS	-	23 30 18.5							
	E Z SL	S	23 40 26.-							
	E Z SL	SS	23 46 08.-							
	E Z SL	LR	00 04 00.-	25.0						
	Z SL	-	00 10 30.-	16.0						
TNS	IE Z SL	P	23 30 10.6				8910	80.2	29.5	334.4
FUR	+I Z SL	P	23 30 16.-	1.5	2.06	6	9010	81.0	31.2	331.7
	-I Z SL	PCP	23 30 19.-	1.5	2.12	2				
	+I Z SL	AP	23 30 24.-	1.5	2.10	3				
	-I Z SL	XP	23 30 29.-	1.0	2.46	3				
	-I Z SL	XPCP	23 30 35.-	1.5	2.19	4				
	+I Z SL	-	23 31 48.-	1.5	1.98	3				
	-I Z SL	PP	23 33 21.-	1.8	1.15	7				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	Z SL	RM	00 11 00.-	14.0	4.40					
STU	+E Z BE	P	23 30 16.7	0.9	2.42	3	9030	81.2	29.9	333.2
BUH	E Z GT	P	23 30 18.9				9070	81.6	29.3	333.7
DEC 02 GS H= 00 45 37.1 LAT = 43.2 N LONG= 146.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 KURIL ISLANDS										
GRF	E Z BE	P	00 57 54.0			2	8850	79.6	31.5	332.4
DEC 02 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	12 11 55.2							
DEC 02 GS H= 13 03 26.3 LAT = 24.4 S LONG= 179.9 W DEPTH=464 KM MAGNITUDE= 5.0 SOUTH OF FIJI ISLANDS										
GRF	+E Z BE	PKP	13 22 46.1			3	17050	153.3	23.0	343.9
	E Z BE	SKP	13 25 26.2			2				
FUR	+I Z SL	PKP1	13 22 52.-	1.5	1.59	3	17200	154.7	24.3	342.4
DEC 02 GS H= 14 44 08.5 LAT = 16.3 S LONG= 178.1 E DEPTH= 61 KM MAGNITUDE= 4.9 FIJI ISLANDS										
GRF	E Z BE	PKP	15 03 40.8			2	16130	145.0	22.3	345.1
DEC 02 GS H= 18 19 46.3 LAT = 55.7 S LONG= 28.2 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.4 SOUTH SANDWICH ISLANDS REGION										
FUR	Z SL	QM	19 22 30.-	17.0	2.91		12080	108.6	202.4	26.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 02										
NO DETERMINATION OF EPICENTER										
BNS= ROCKBURST SUPPOSED.										
BNS	E E X	SG	21 41 57.-							
	E E X		21 42 05.-	1.2	2.20					
DEC 02 GS										
H= 22 09 54.5										
LAT = 52.3 N										
LONG= 168.7 W										
DEPTH= 40 KM										
MAGNITUDE= 5.6										
FOX ISLANDS, ALEUTIAN ISLANDS										
BNS	I Z FS	P	22 21 45.0	1.8	2.41		8570	77.1	357.4	2.7
HOF	-I Z SL	P	22 21 48.-	1.8	2.73	7	8650	77.8	0.4	359.6
GRF	+I Z BE	P	22 21 53.5	1.4	2.61	6	8720	78.4	360.0	0.0
BUH	+I Z GT	P	22 21 58.5				8830	79.4	358.1	2.0
FUR	+I Z SL	P	22 22 01.-	1.3	2.64	9	8890	79.9	0.0	360.0
	+I Z SL	APCP	22 22 15.-	1.8	2.26	2				
	+I Z SL	XPCP	22 22 22.-	1.5	2.84	6				
DEC 03 GS										
H= 11 57 01.7										
LAT = 27.5 N										
LONG= 129.7 E										
DEPTH= 65 KM										
MAGNITUDE= 4.9										
RYUKYU ISLANDS										
GRF	E Z BE	P	12 09 36.7			2	9510	85.6	51.8	324.9
FUR	+I Z SL	P	12 09 42.-	1.5	1.59	3	9620	86.5	51.8	323.7
	-I Z SL	-	12 09 51.-	1.5	1.62	9				
	-I Z SL	XP	12 09 58.-	1.5	1.59	2				
DEC 03 GS										
H= 21 27 40.8										
LAT = 17.1 S										
LONG= 174.1 W										
DEPTH=115 KM										
MAGNITUDE= 4.7										
TONGA ISLANDS										
GRF	E Z BF	PKP	21 47 13.7			2	16370	147.3	9.4	353.6
FUR	+I Z SL	PKP1	21 47 17.-	1.6	1.74	4	16540	148.8	9.9	353.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 04										
NO DETERMINATION OF EPICENTER										
BNS= ROCKBURST SUPPOSED.										
BNS	E Z FS	-	00 31 35.-							
	E N X	SG	00 31 41.5							
	E N X		00 31 51.-	1.1	1.95					
	E Z FS	-	00 31 51.-	1.3	1.78					
DEC 04 GS										
H= 01 26 03.2										
LAT = 43.2 N										
LONG= 146.9 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
KURIL ISLANDS										
GRF	+E Z BE	P	01 38 10.2	0.8	1.40	4	8860	79.7	31.3	332.6
BUH	E Z GT	P	01 38 19.5				9070	81.6	29.2	333.8
DEC 04										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	01 35 21.6			2				
DEC 04										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	14 46 55.6							
DEC 04 GS										
H= 15 30 39.0										
LAT = 16.5 S										
LONG= 167.1 E										
DEPTH= 9 KM										
MAGNITUDE= 5.3										
NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	15 50 02.2			1	15740	141.6	39.1	334.7
FUR	+I Z SL	PKP1	15 50 14.-	1.7	1.91	3	15870	142.7	40.4	333.1
	+I Z SL	-	15 50 25.-	1.5	1.62	2				
	-I Z SL	-	15 51 18.-	2.0	2.10	3				
	+E Z SL	-	15 53 41.-	2.0	2.10	5				
	Z SL	RM	15 58 40.-	13.0	3.09					
BUH	E Z GT	PKP	15 50 18.6				15960	143.6	35.6	336.3
	E Z GT	PKP	15 51 19.6							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 04 BCS H= 20 03 17.0 LAT = 42.1 N LONG= 16.2 E ADRIATIC SEA										
FUR	+E Z SL	-	20 11 30.-	1.5	1.28	2	790	7.0	148.4	331.8
	-E Z SL	PG	20 11 50.-	1.5	1.28	3				
	+E Z SL	SN	20 12 25.-	1.5	1.43	7				
	-I Z SL	SB	20 12 46.-	1.8	2.00	2				
	-I Z SL	SG	20 13 11.-	1.5	1.49	8				
	Z SL	MAXIMUM	20 14 10.-	1.5	1.49					
GRF	E Z BE	P	20 11 18.0			1	930	8.3	153.6	337.2
	E N BE	S	20 12 45.5			2				
BUH	E Z GT	PN	20 11 21.2				960	8.6	136.6	322.3
DEC 05 GS H= 03 50 51.4 LAT = 35.4 N LONG= 26.4 E DEPTH= 80 KM MAGNITUDE= 5.1 CRETE										
DEC 05 BCS H= 03 50 52.0 LAT = 35.3 N LONG= 26.6 E DEPTH= 80 KM CRETE										
FUR	+I Z SL	P	03 54 45.-	1.5	1.96	5	1890	17.0	133.0	323.1
	+I Z SL	PP	03 55 01.-	1.9	2.52	5				
	+I Z SL	-	03 55 06.-	1.5	1.76	3				
	+I Z SL	XP	03 55 11.-	1.2	2.36	3				
	-I Z SL	S	03 57 57.-	1.8	2.04	2				
	+I Z SL	SS	03 58 25.-	1.5	1.79	3				
	Z SL	MAXIMUM	03 59 30.-	1.8	2.11					
GRF	+I Z BE	P	03 54 57.8			3	2010	18.1	136.3	326.7
HOF	+I Z SL	P	03 54 59.-	2.0	2.53	3	2030	18.3	139.0	329.0
	-I Z SL	PP	03 55 13.-	2.2	2.71	7				
STU	E Z BE	P	03 55 01.0	1.0	2.44	2	2050	18.4	129.9	321.6
BUH	E Z GT	P	03 55 06.5				2100	18.9	127.8	320.1
TNS	+E Z B	P	03 55 14.5				2190	19.7	131.7	324.0
	Z B	PP	03 55 31.0							
BNS	+I Z FS	P	03 55 27.3	1.6	2.00		2320	20.8	130.7	324.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E Z FS	-	03 55 43.5							
DEC 05 GS H= 04 01 50.3 LAT = 14.7 N LONG= 91.8 W DEPTH=115 KM MAGNITUDE= 4.9 GUATEMALA										
BUH	E Z GT	P	04 14 16.5				9520	85.6	287.1	40.9
GRF	E Z BE	P	04 14 25.2			2	9690	87.1	289.2	39.3
DEC 05 NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	+E Z SL	-	08 25 32.-	1.5	1.28	5				
	Z SL	MAXIMUM	08 26 50.-	1.5	1.59					
DEC 05 GS H= 14 58 12.7 LAT = 51.5 N LONG= 7.1 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
DEC 05 BCS H= 14 58 13.0 LAT = 51.7 N LONG= 7.1 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. FELT WITH INTENSITY IV-V IN THE REGION OF MARL-SINSEN. H= 14 58 13, 51 DEG. 40 MIN. N, 7 DEG. 08 MIN. E, MLOC= 3.2, MLGH= 2.3.										
BOC	-I Z BH	P	14 58 17.4	0.5	2.90	2	10	0.1	302.6	122.5
	Z BH	MAXIMUM	14 58 24.7	0.7	3.78					
BNS	I Z FS	PG	14 58 26.9				60	0.6	354.0	173.9
	I N X	SG	14 58 37.1	0.6	2.93					
	E E X	-	14 58 37.4	0.5	2.81					
	E E X		14 58 48.0	1.3	2.99					
TNS	E Z B	PN	14 58 41.0				180	1.6	327.2	146.2
	Z B	PB	14 58 44.6							
	E E ST	SN	14 59 04.0							
	E E ST	SB	14 59 09.6							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E ST	SG	14 59 11.0							
BUH	E Z GT	P	14 59 02.2				330	3.0	346.0	165.1
GRF	E Z BE	PG	14 59 05.1			2	360	3.2	306.7	123.5
	E N BE	SG	14 59 55.1			2				
FUR	+E Z SL	-	15 01 53.-	1.5	1.28	3	480	4.3	322.8	139.6
	Z SL	MAXIMUM	15 02 35.-	1.7	1.91					

DEC 05 GS
H= 17 57 11.3
LAT = 52.5 N
LONG= 31.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
NORTH ATLANTIC RIDGE

DEC 05 BCS
H= 17 57 20.0
LAT = 52.7 N
LONG= 31.0 W
NORTH ATLANTIC RIDGE

BUH	E Z GT	P	18 02 36.7				2820	25.3	293.8	82.6
STU	E Z BE	P	18 02 41.6	0.8	1.62	2	2880	25.9	293.8	81.8
	E Z BE	-	18 02 51.0	1.0	1.85	2				
GRF	E Z BE	P	18 02 49.5			2	2970	26.7	292.5	78.7
FUR	-I Z SL	P	18 02 56.-	1.5	1.28	1	3040	27.4	295.3	81.7
	-I Z SL	AP	18 03 06.-	1.3	1.89	9				
	+I Z SL	PP	18 03 49.-	1.5	1.36	2				

DEC 05 GS
H= 21 39 33.5
LAT = 7.4 S
LONG= 155.9 E
DEPTH= 57 KM
MAGNITUDE= 5.4
SOLOMON ISLANDS

FUR	+I Z SL	PKP1	21 58 39.-	1.5	1.43	4	14410	129.6	48.1	329.8
	+I Z SL	XPKP	21 58 53.-	1.3	1.66	6				

DEC 06 BCS
H= 01 50 02.0
LAT = 43.3 N
LONG= 6.6 E
FRANCE

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BUH	+I Z GT	PN	01 50 23.3				130	1.2	250.5	69.3

DEC 06 GS
H= 05 17 52.8
LAT = 43.1 N
LONG= 146.3 E
DEPTH= 58 KM
MAGNITUDE= 5.0
KURIL ISLANDS

GRF	+I Z BE	P	05 23 55.5			3	8850	79.6	31.7	332.2

DEC 06
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	06 10 36.3							
FUR	+I Z SL	-	06 10 54.-	1.0	2.06	3				

DEC 06 GS
H= 07 53 44.5
LAT = 14.3 N
LONG= 53.6 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.7
ARABIAN SEA

GRF	E Z BE	P	08 02 32.0			1	5480	49.3	120.5	324.7

DEC 06 BCS
H= 08 21 55.0
LAT = 45.3 N
LONG= 16.0 E
YUGOSLAVIA

BCIS= FELT IV AT TOPUSKO (ZAG).

GRF	E Z BE	PG	08 23 37.9			2	610	5.5	141.8	325.3
	E N BE	SG	08 24 05.4			2				

DEC 06
NO DETERMINATION OF EPICENTER

GRF	E Z BE	PG	09 25 00.7			2				
	E N BE	SG	09 25 25.6			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 06 GS H= 15 54 52.9 LAT = 31.7 S LONG= 178.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 KERMADEC ISLANDS REGION										
GRF	E Z BE	PKP	16 15 33.1			2	17870	160.7	24.8	341.4
DEC 06 GS H= 17 51 44.7 LAT = 55.7 S LONG= 28.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 SOUTH SANDWICH ISLANDS REGION										
EUR	Z SL	RM	18 54 00.-	17.0	3.09		12080	108.6	202.3	26.6
DEC 06 GS H= 19 51 55.5 LAT = 35.2 N LONG= 27.7 E DEPTH= 39 KM MAGNITUDE= 4.3 DODECANESE ISLANDS										
DEC 06 BCS H= 19 52 00.0 LAT = 35.2 N LONG= 27.9 E DEPTH= 65 KM DODECANESE ISLANDS										
GRF	E Z BE	P	19 56 13.6			2	2090	18.8	133.9	325.1
DEC 07 BCS H= 05 18 41.0 LAT = 34.3 N LONG= 24.8 E CRETE										
GRF	E Z BE	P	05 22 50.6			2	2040	18.3	141.9	331.0

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 07 GS H= 12 18 04.1 LAT = 23.5 S LONG= 13.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.4 SOUTH ATLANTIC RIDGE										
GRF	E Z BE	P	12 29 51.5			2	8470	76.2	203.5	16.4
DEC 07 GS H= 21 07 21.9 LAT = 39.3 N LONG= 141.9 E DEPTH= 62 KM MAGNITUDE= 4.8 HONSHU, JAPAN										
GRF	+I Z BE	P	21 19 33.8	1.0	1.64	3	9040	81.3	36.5	330.1
DEC 07 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	23 45 45.4			3				
DEC 08 GS H= 02 41 07.9 LAT = 53.6 N LONG= 163.6 W DEPTH= 44 KM MAGNITUDE= 4.7 UNIMAK ISLAND REGION										
GRF	E Z BE	P	02 52 58.4			2	8560	77.0	356.9	3.4
DEC 08 GS H= 06 10 03.5 LAT = 0.2 S LONG= 98.4 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.7 SOUTHERN SUMATRA										
GRF	E Z BE	P	06 22 53.4			2	9820	88.4	92.3	319.5
	E Z BE	-	06 23 01.0			2				
DEC 08 GS H= 14 08 45.0 LAT = 19.0 S LONG= 169.4 E DEPTH=242 KM MAGNITUDE= 5.0 NEW HEBRIDES ISLANDS										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E 7 BE	PKP	14 27 53.6			2	16100	144.8	37.5	335.3

DEC 08
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	14 38 34.5							

DEC 08 GS
H= 21 02 41.4
LAT = 35.2 N
LONG= 27.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 3.7
DODECANESE ISLANDS

DEC 08 BCS
H= 21 02 45.0
LAT = 35.2 N
LONG= 27.9 E
DODECANESE ISLANDS

GRF	E 7 BE	P	21 07 03.0			1	2100	18.9	133.9	325.2

DEC 09 GS
H= 02 36 52.2
LAT = 35.9 N
LONG= 73.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
NORTHWESTERN KASHMIR

GRF	E Z BE	P	02 45 17.8			2	5150	46.3	82.9	307.5
FUR	-I Z SL	P	02 45 19.-	1.5	1.59	3	5170	46.5	81.5	305.4
	-I Z SL	AP	02 45 27.-	1.8	2.00	5				
	-I Z SL	-	02 45 36.-	2.0	2.10	5				

DEC 09 GS
H= 07 43 53.0
LAT = 1.5 N
LONG= 67.0 E
DEPTH= 33 KM (NORMAL)
CARLSBERG RIDGE

HOF	+I Z SL	P	07 54 51.-	2.0	2.53	3	7480	67.3	117.2	325.2
	-E Z SL	AP	07 54 58.-	3.0	2.72	3				
GRF	E Z BE	P	07 54 46.6			2	7490	67.4	116.4	324.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

DEC 09
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	13 53 47.-			1				
	E Z BE	-	13 53 54.2			1				
	E Z BE	-	13 54 12.6			2				

DEC 09 BCS
H= 14 13 39.0
LAT = 46.9 N
LONG= 10.1 E
SWITZERLAND

FUR	+I N SL	SN	14 14 30.-	1.0	2.14	6	170	1.5	212.6	31.8
STU	E Z BE	PG	14 15 23.0	1.4	2.97	2	220	2.0	161.6	342.3
	-E Z SL	-	14 15 26.0	9.2	4.45	2				
BUH	E Z GT	PN	14 14 15.4				240	2.2	143.9	325.3
GRF	E Z JM	PN	14 14 23.2			1	320	2.9	195.4	14.6
	E Z BE	PG	14 14 33.8			2				
	E N BE	SG	14 15 13.4			2				

DEC 09 GS
H= 17 41 29.1
LAT = 51.4 N
LONG= 179.1 W
DEPTH= 48 KM
MAGNITUDE= 4.8
ANDREANOF ISLANDS, ALEUTIAN IS.

GRF	E Z BE	P	17 53 29.6	0.8	1.28	2	8780	78.9	6.6	353.2
BUH	E Z GT	P	17 53 35.5				8910	80.2	4.7	355.0

DEC 09
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	19 21 46.6			2				

DEC 09 GS
H= 19 55 45.6
LAT = 19.9 S
LONG= 169.8 E
DEPTH= 39 KM
MAGNITUDE= 6.2
NEW HEBRIDES ISLANDS

BRN	-E Z ET	PKP	20 15 14.-	6.0	3.10	3	15830	142.8	38.2	336.2
	-E Z ET	PP	20 18 26.-			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
HAM	E Z SX	PKP	20 15 17.-			1	15910	143.1	32.7	339.9
HLG	- Z SL	PKP	20 15 15.9			6	15910	143.1	29.2	342.3
HOF	+I Z SL	PKP1	20 15 18.-	4.0	3.83	9	16120	145.0	38.1	335.1
GRF	E Z BE	PKP	20 15 21.6			2	16200	145.7	37.7	335.0
	E Z BE	-	20 15 25.8			3				
BNS	E Z SL	PKP	20 15 22.-	8.0			16250	146.1	30.3	340.2
	I Z FS	-	20 15 23.0	1.7	3.05					
	E Z FS	-	20 17 19.-							
	E Z FS	-	20 18 48.-							
	E Z SL	-	20 43 55.-							
	E Z SL	LR	21 04 10.-	50.0						
	Z SL	-	21 26 00.-	22.0						
TNS	1I Z SL	PKP	20 15 24.0				16270	146.3	32.9	338.2
	E Z SL	PKS	20 18 50.-							
	E Z SL	PPP	20 21 57.-							
	E E SL	SKS	20 22 23.-							
FUR	-I N SL	PKP2	20 15 28.-	2.0	2.45	3	16330	146.9	39.2	333.3
	-I N SL	-	20 15 32.-	3.0	2.89	3				
	+I N SL	APKP	20 15 35.-	1.8	2.84	9				
KPL	+I Z WH	PKP	20 15 27.6	4.0		9	16380	147.3	33.9	337.0
	+I Z ST	PKP	20 15 27.6	3.0		5				
BUH	E Z GT	PKP	20 15 24.2				16420	147.7	33.9	336.9

DEC 09 GS
H= 20 57 57.8
LAT = 19.8 S
LONG= 169.9 E
DEPTH= 34 KM
MAGNITUDE= 5.9
NEW HEBRIDES ISLANDS

HOF	-I Z SL	PKP1	21 17 34.-	4.0	3.72	9	16110	144.9	37.8	335.3
GRF	E Z BE	PKP	21 17 33.8			2	16190	145.6	37.4	335.3
BNS	E Z FS	PKP	21 17 34.5	4.5	3.22		16240	146.0	30.0	340.4
FUR	+I N SL	-	21 18 16.-	1.9	2.51	1	16330	146.8	38.9	333.5
KPL	+I Z ST	PKP	21 17 38.2	4.0		3	16370	147.3	33.6	337.2
	+I Z WH	PKP	21 17 42.0	6.0		9				
BUH	E Z GT	PKP	21 17 38.0				16410	147.6	33.6	337.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

DEC 10 GS
H= 02 00 38.5
LAT = 38.9 N
LONG= 21.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 3.8
GREECE

DEC 10 BCS
H= 02 00 44.0
LAT = 39.0 N
LONG= 21.5 E
GREECE

GRF	E Z BE	P	02 03 49.-			1	1430	12.8	143.3	330.1

DEC 10 GS
H= 19 28 13.2
LAT = 1.4 S
LONG= 77.7 W
DEPTH=181 KM
MAGNITUDE= 5.3
ECUADOR

BNS	E Z FS	P	19 40 44.-				9770	87.9	265.2	39.1
	E Z FS	-	19 41 29.-							
BUH	E Z GT	P	19 40 45.3				9830	88.4	266.0	41.4
FUR	-I Z SL	P	19 40 57.-	1.8	2.15	2	10050	90.4	268.3	42.0
GRF	-E Z BE	P	19 40 56.1	0.8	1.38	3	10050	90.4	268.3	40.5

DEC 10 GS
H= 21 06 47.6
LAT = 28.0 N
LONG= 57.0 E
DEPTH= 14 KM
MAGNITUDE= 4.6
SOUTHERN IRAN

DEC 10 BCS
H= 21 07 00.0
LAT = 28.0 N
LONG= 56.5 E
SOUTHERN IRAN

GRF	E Z BE	P	21 14 30.9			2	4550	40.9	104.7	314.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 11 GS H= 00 10 09.2 LAT = 38.7 N LONG= 28.7 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.0 AZORES ISLANDS										
DEC 11 BCS H= 00 10 12.0 LAT = 38.5 N LONG= 28.3 W AZORES ISLANDS										
BNS	E Z FS	P	00 16 02.5	1.5	1.60		3100	27.9	258.0	52.3
	E Z SL	LR	00 23 00.-	32.0						
BUH	E Z GT	P	00 16 01.0				3140	28.2	263.3	57.3
FUR	-I Z SL	P	00 16 19.-	2.0	2.05	9	3360	30.2	266.8	58.7
	+I Z SL	XP	00 16 30.-	1.5	1.36	2				
	+I Z SL	-	00 16 39.-	1.8	2.00	5				
	+I Z SL	PP	00 17 06.-	1.7	1.86	3				
	E SL	RM	00 29 00.-	14.0	3.54					
GRF	E Z BE	P	00 16 20.5			2	3370	30.3	264.1	55.7
HOF	Z SL	QM	00 27 00.-	16.0	4.02		3420	30.8	263.7	54.6
DEC 11 GS H= 02 36 38.9 LAT = 13.7 N LONG= 146.4 E DEPTH= 46 KM MAGNITUDE= 5.5 SOUTH OF MARIANA ISLANDS										
HOF	Z SL	PM	03 43 00.-	18.0	4.13		11660	104.9	45.8	331.8
GRF	E Z BE	PKP	02 55 11.0			2	11740	105.6	45.4	331.6
FUR	+I Z SL	PP	02 55 20.-	1.5	1.36	6	11360	106.6	45.7	330.5
	Z SL	PM	03 41 00.-	19.0	3.46					
DEC 11 GS H= 03 49 00.1 LAT = 35.0 N LONG= 23.3 E DEPTH= 37 KM MAGNITUDE= 4.2 CRETE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 11 BCS H= 03 49 04.0 LAT = 35.0 N LONG= 23.2 E CRETE										
FUR	+I Z SL	P	03 52 45.-	1.5	1.54	3	1770	15.9	141.5	329.5
	-I Z SL	-	03 52 50.-	1.5	1.59	3				
	-I Z SL	-	03 52 54.-	1.5	1.66	3				
	+I Z SL	PPP	03 53 05.-	1.5	1.49	2				
GRF	E Z BE	P	03 52 58.1			2	1910	17.2	144.4	332.6
	E Z BE	-	03 53 03.0			2				
BUH	E Z GT	P	03 52 08.5				1960	17.7	135.3	325.4
DEC 11 NO DETERMINATION OF EPICENTER FUR= LOCAL.										
FUR	Z SL	MAXIMUM	10 26 20.-	1.4	1.75					
DEC 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	17 15 34.3			2				
DEC 11 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	19 27 33.4			1				
DEC 11 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	21 01 34.6							
DEC 12 GS H= 00 02 38.1 LAT = 47.2 N LONG= 14.1 E DEPTH= 5 KM (GEOPHYSICIST) MAGNITUDE= 4.1 AUSTRIA										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 12 BCS H= 00 02 41.0 LAT = 47.2 N LONG= 14.2 E AUSTRIA										
BCIS= STYRIA. FELT WITH MAXIMUM INTENSITY V-VI. (VIE).										
FUR	+I Z SL	PN	00 03 18.-	1.2	2.70	9	240	2.1	117.2	299.2
	-I Z SL	PB	00 03 23.-	1.0	2.48	9				
	+I Z SL	PG	00 03 27.-	1.0	2.48	3				
	+I Z SL	SN	00 03 43.-	1.3	2.54	9				
	Z SL	MAXIMUM	00 04 20.-	1.7	3.03					
GRF	I Z BE	PN	00 03 29.7			3	350	3.2	142.3	324.4
	E Z BE	PG	00 03 39.7			9				
	E N BE	SG	00 04 17.5			2				
HOF	-I Z SL	PN	00 03 34.-	1.5	2.58	9	390	3.5	154.7	336.3
	-I Z SL	PB	00 03 44.-	1.5	2.58	3				
	+I Z SL	SN	00 04 14.-	1.5	2.70	2				
	-I Z SL	SG	00 04 26.-	1.0	2.63	2				
	Z SL	MAXIMUM	00 04 33.-	1.5	3.53					
STU	E Z BE	PN	00 03 37.0	0.6	1.84	2	400	3.6	114.5	298.1
	E N BE	SG	00 04 35.0	0.5	2.92					
BUH	E Z GT	PN	00 03 44.4				470	4.2	109.0	293.3
KRL	+E Z ST	PG	00 04 47.2	0.8		3	470	4.2	114.0	298.2
TNS	+E Z B	PN	00 03 52.6				540	4.8	127.4	311.6
	E Z B	PB	00 04 06.4							
	E E ST	SN	00 04 48.0							
	E E ST	SB	00 05 13.4							
BNS	E Z FS	PN	00 04 09.0				660	5.9	127.5	312.6
	I Z FS	-	00 04 10.0							
	E Z FS	PG	00 04 18.6							
	E N X	SN	00 05 11.5							
	E Z FS	-	00 05 16.5							
	Z FS	SG	00 05 47.0	1.0	1.90					
	E N X	-	00 05 53.-	1.5	2.41					
	E E X	-	00 05 53.-	1.5	2.28					
DEC 12 NO DETERMINATION OF EPICENTER										
BNS= EXPLOSION SUPPOSED.										
BNS	E Z FS	SG	11 13 14.0	0.8	1.60					
DEC 12 NO DETERMINATION OF EPICENTER										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	PG	13 44 58.8			2				
	E N BE	SG	13 45 30.9			2				
DEC 13 BCS H= 01 57 02.0 LAT = 39.4 N LONG= 15.5 E DEPTH=135 KM SOUTHERN ITALY										
GRF	E Z BE	P	01 59 29.5			2	1190	10.7	161.9	344.9
DEC 13 GS H= 08 08 39.2 LAT = 43.2 N LONG= 0.4 W DEPTH= 5 KM (GEOPHYSICIST) MAGNITUDE= 4.4 PYRENEES										
DEC 13 BCS H= 08 08 43.0 LAT = 43.3 N LONG= 0.4 W PYRENEES										
BCIS= FELT IN THE DEPARTEMENTS PYRENEES-ATLANTIQUES AND HAUTES-PYRENEES. MINOR DAMAGES (INT. VI) AT CAPBIS, BRUGES AND ASSON, FELT V AT NAY, II-III AT PAU AND II AT TARBES. RADIUS OF PERCEPTIBILITY ABOUT 50 KM.										
BUH	E Z GT	P	08 10 40.1				900	8.1	230.9	44.7
KRL	-I Z ST	-	08 13 26.9	3.5		5	940	8.4	229.8	43.4
	-I Z WH	-	08 13 27.0	2.0		9				
STU	E N BE	SG	08 13 27.5	0.8	2.20	2	970	8.7	233.7	46.3
BNS	E Z FS	-	08 11 43.-				1040	9.3	216.5	31.0
	E Z FS	PG	08 11 58.5							
	E N X	-	08 12 44.-							
	E N X	SG	08 13 46.-	1.0	2.43					
	E E X	-	08 13 46.-	1.0	2.54					
FUR	-I Z SL	-	08 14 04.-	1.3	2.18	2	1060	9.6	243.0	54.7
	Z SL	MAXIMUM	08 14 45.-	1.3	2.44					
GRF	E Z BE	P	08 11 58.3			1	1150	10.3	235.4	47.0
	E E BE	S	08 13 45.1			2				
	E E BE	-	08 14 13.2			2				
HOF	-I Z SL	-	08 14 39.-	1.0	2.15	9	1230	11.0	234.5	45.5
	Z SL	MAXIMUM	08 14 52.-	1.8	2.66					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
DEC 13									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	PG	09 51 01.5			1			
	E N BE	SG	09 51 40.5			2			
DEC 13									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PN	16 54 34.7						
DEC 13 GS									
H= 19 53 30.1									
LAT = 15.2 S									
LONG= 173.8 W									
DEPTH= 32 KM									
MAGNITUDE= 5.4									
TONGA ISLANDS									
GRF	E Z BE	PKP	20 13 06.6			2	16160	145.3	8.5 354.3
	E Z BE	-	20 13 20.3			3			
BUH	E Z GT	PKP	20 13 24.0				16300	146.6	3.5 357.6
FUP	-I Z SL	PKP1	20 13 12.-	1.3	2.06	3	16330	146.8	9.0 353.8
	+I Z SL	APKP	20 13 25.-	2.0	2.64	7			
	+I Z SL	-	20 13 35.-	1.8	2.18	3			
DEC 14 GS									
H= 03 44 43.7									
LAT = 51.3 N									
LONG= 178.3 W									
DEPTH= 54 KM									
MAGNITUDE= 5.2									
ANDREANOF ISLANDS, ALEUTIAN IS.									
GRF	E Z BE	P	03 56 43.7			3	3790	79.0	6.1 353.7
DEC 14									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PN	05 50 42.3						
DEC 14 GS									
H= 05 59 07.9									
LAT = 24.5 S									
LONG= 176.1 W									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 5.1									
SOUTH OF FIJI ISLANDS									
GRF	E Z BE	PKP	06 19 20.9			2	17150	154.2	15.4 349.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
DEC 14									
NO DETERMINATION OF EPICENTER									
GRF	E Z JM	PN	07 30 28.9			2			
	-I Z JM	PG	07 30 29.8			9			
	E N BE	SG	07 30 51.6						
DEC 14 GS									
H= 07 46 57.0									
LAT = 50.0 N									
LONG= 79.0 E									
DEPTH= 0 KM (GEOPHYSICIST)									
MAGNITUDE= 6.0									
EASTERN KAZAKH SSR									
DEC 14 BCS									
H= 07 47 00.0									
LAT = 50.2 N									
LONG= 79.2 E									
DEPTH= 0 KM (GEOPHYSICIST)									
EASTERN KAZAKH SSR									
BCIS= SEMIPALATINSK AREA. ARTIFICIAL (UPP).									
HOF	-I Z SL	P	07 54 44.-	1.5	2.40	9	4630	41.7	63.4 297.3
	-I Z SL	-	07 54 49.-	1.5	2.78	3			
	+I Z SL	PP	07 56 28.-	1.8	2.63	2			
GRF	+I Z BE	P	07 54 55.0	1.1	2.19	9	4700	42.3	62.5 296.7
	I Z BE	PP	07 56 34.8			4			
FUR	+I Z SL	P	07 55 01.-	1.5	2.28	9	4780	43.0	61.0 294.7
	-I Z SL	PP	07 56 44.-	1.8	2.18	2			
	-I Z SL	PPP	07 57 15.-	1.5	1.59	9			
	+I Z SL	-	07 57 30.-	1.5	1.54	9			
	-E Z SL	S	08 01 22.-	1.5	1.59	2			
STU	+I Z BE	P	07 55 07.3	1.0	2.35	5	4880	43.9	60.8 296.5
BUH	E Z GT	P	07 55 12.0				4950	44.5	60.3 296.8
DEC 14									
NO DETERMINATION OF EPICENTER									
HOF= EXPLOSION.									
GRF	E Z BE	PN	08 00 30.6			2			
	I Z BE	PG	08 00 33.2			4			
	E N BE	SG	08 01 01.3			2			
HOF	+I Z SL	P	08 00 42.-	1.8	2.78	2			
	+I Z SL	S	08 01 12.-	3.0	3.02	2			
	Z SL	MAXIMUM	08 01 31.-	2.0	2.83				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	12 19 22.7							
DEC 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	P	16 35 46.6							
DEC 14	GS									
H= 17 37 35.4										
LAT = 51.4 N										
LONG= 177.9 W										
DEPTH= 53 KM										
MAGNITUDE= 5.8										
ANDREANOF ISLANDS, ALEUTIAN IS.										
BNS	+I Z FS	P	17 49 28.7	1.5	2.49		8660	77.9	3.2	356.7
	E Z FS	-	17 49 38.0							
	E Z FS	-	17 49 46.-							
HOF	-I Z SL	P	17 49 30.-	1.8	2.93	3	8710	78.3	6.2	353.6
GRF	+I Z BE	P	17 49 35.3	1.5	2.71	6	8780	79.0	5.8	354.0
STU	+E Z BE	P	17 49 39.5	1.3	2.30	3	8900	80.0	4.5	355.3
BUH	+I Z GT	P	17 49 41.4				8910	80.2	3.9	355.9
FUR	+I Z SL	P	17 49 43.-	1.5	2.13	9	8350	80.5	5.8	353.8
	-I Z SL	PCP	17 49 48.-	1.8	2.30	5				
	+I Z SL	APCP	17 49 57.-	1.8	2.18	3				
	+I Z SL	PP	17 52 45.-	1.5	1.73	2				
	+I Z SL	APP	17 52 52.-	1.5	1.62	2				
	Z SL	OM	18 20 00.-	27.0	3.12					
DEC 14	GS									
H= 18 28 20.7										
LAT = 28.6 N										
LONG= 129.8 E										
DEPTH=208 KM										
MAGNITUDE= 4.9										
RYUKYU ISLANDS										
GRF	E Z BE	P	18 40 35.9			1	9440	84.9	50.8	325.1
DEC 14										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	20 11 17.1							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 14	GS									
H= 21 35 50.5										
LAT = 41.1 N										
LONG= 145.6 E										
DEPTH= 48 KM										
MAGNITUDE= 4.6										
HOKKAIDO, JAPAN REGION										
GRF	E Z BE	P	21 48 03.4			2	9020	81.1	33.2	332.0
DEC 15										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	03 30 14.8			1				
	E N BE	S	03 31 03.1			1				
DEC 15	GS									
H= 04 10 24.2										
LAT = 5.4 S										
LONG= 68.6 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.1										
CHAGOS ARCHIPELAGO REGION										
FUR	+I Z SL	P	04 21 52.-	1.5	1.59	9	8130	73.1	118.8	323.9
	+I Z SL	-	04 21 55.-	1.5	1.76	8				
	+I Z SL	AP	04 22 01.-	1.5	1.89	2				
	-I Z SL	PCP	04 22 06.-	1.8	2.18	9				
	-I Z SL	XPCP	04 22 21.-	1.8	2.00	9				
GRF	E Z BE	P	04 21 57.0	1.0	1.77	2	8210	73.9	119.2	325.3
	E Z BE	-	04 22 04.0			2				
	E Z BE	-	04 22 05.7			3				
DEC 15	GS									
H= 04 30 03.0										
LAT = 5.4 S										
LONG= 68.5 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.0										
CHAGOS ARCHIPELAGO REGION										
FUR	-I Z SL	P	04 41 32.-	1.5	1.76	2	8130	73.1	118.9	323.9
	-I Z SL	AP	04 41 38.-	2.0	2.10	5				
	-I Z SL	XP	04 41 43.-	2.0	2.10	5				
	-I Z SL	PCP	04 41 48.-	1.5	1.59	2				
HOF	+E Z SL	P	04 41 36.-	1.5	2.10	5	8210	73.8	120.0	326.1
GRF	E Z BE	P	04 41 35.5			2	8210	73.9	119.3	325.3
	E Z BE	PP	04 44 24.2			2				
	E Z BE	-	04 44 31.4			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
DEC 15									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	PG	09 31 33.4						
DEC 15 GS									
H= 10 54 52.1									
LAT = 21.6 S									
LONG= 175.2 E									
DEPTH=567 KM									
MAGNITUDE= 5.3									
SOUTH OF FIJI ISLANDS									
HAM	E Z SX	PKP	11 13 30.-			2	16260	146.2	25.2 344.1
HOF	+I Z SL	PKP1	11 13 35.-	1.5	2.70	9	16510	148.5	30.8 339.4
GRF	-I Z BE	PKP	11 13 38.1	0.7	1.78	6	16590	149.2	30.2 339.5
	+I Z BE	-	11 13 45.8			9			
	E Z BE	APKP	11 15 22.9			2			
BNS	-I Z FS	PKP	11 13 37.5	1.1	2.11		16590	149.2	22.2 345.1
	E Z FS	-	11 13 43.-						
FUR	+I Z SL	PKP1	11 13 41.-	1.5	1.98	6	16740	150.5	31.6 337.8
	+I Z SL	PKHKP	11 13 51.-	1.5	1.98	9			
STU	E Z BE	PKP	11 13 40.0	0.9	2.12	3	16750	150.7	27.4 340.9
	E Z BE	-	11 13 50.5	1.0	2.17	3			
BUH	-E Z GT	PKP	11 13 42.0				16790	151.0	25.7 342.0
	+I Z GT	PKP	11 13 52.8						
DEC 15									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	P	12 27 25.4						
DEC 15 GS									
H= 18 07 01.6									
LAT = 45.6 N									
LONG= 151.1 E									
DEPTH= 1 KM									
MAGNITUDE= 4.4									
KURIL ISLANDS									
GRF	E Z BE	P	18 19 09.0			2	8780	78.9	27.5 334.8
DEC 15									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	18 49 48.6			2			
	E Z BE	-	18 50 52.3			2			

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
DEC 15 GS									
H= 22 57 02.9									
LAT = 16.8 S									
LONG= 168.1 E									
DEPTH= 7 KM									
MAGNITUDE= 5.6									
NEW HEBRIDES ISLANDS									
GRF	E Z BE	PKP	23 16 33.6			2	15810	142.2	37.8 335.4
	E Z BE	-	23 17 41.7			2			
	E Z BE	-	23 17 45.5			2			
FUR	-I Z SL	PKP1	23 16 38.-	2.0	2.21	7	15940	143.4	39.2 333.8
	+I Z SL	-	23 16 41.-	1.5	1.53	5			
STU	+E Z BE	PKP	23 16 37.5	1.5	2.02	3	15990	143.8	35.6 336.3
BUH	E Z GT	PKP	23 16 38.5				16030	144.2	34.2 337.1
DEC 15									
NO DETERMINATION OF EPICENTER									
BUH	E Z GT	P	23 21 09.3						
DEC 15 GS									
H= 23 31 44.3									
LAT = 74.3 N									
LONG= 147.1 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 5.0									
NEW SIBERIAN ISLANDS									
NOS= BELIEVED TO BE THE FIRST INSTRUMENTALLY LOCATED EPICENTER IN THIS AREA OF THE ARCTIC.									
GRF	+I Z BE	P	23 40 59.1			3	5870	52.8	13.8 325.4
DEC 16									
NO DETERMINATION OF EPICENTER									
GRF	E Z BE	P	03 06 05.0			2			
DEC 16 BCS									
H= 08 24 56.0									
LAT = 28.4 N									
LONG= 53.0 E									
SOUTHERN IRAN									

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 16 GS H= 08 25 00.4 LAT = 28.5 N LONG= 52.6 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 SOUTHERN IRAN										
FUR	+I Z SL	P	08 32 12.-	1.5	1.70	3	4190	37.7	106.3	313.2
	+I Z SL	AP	08 32 19.-	1.5	1.70	3				
GRF	+I Z BE	P	08 32 16.2			3	4240	38.1	108.1	315.5
	E Z BE	-	08 32 19.1			2				
DEC 16 GS H= 09 16 14.1 LAT = 32.3 N LONG= 76.0 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 KASHMIR-INDIA BORDER REGION										
GRF	E Z BE	P	09 25 11.5			2	5600	50.3	84.7	310.2
DEC 16 GS H= 19 09 47.7 LAT = 34.2 N LONG= 74.1 E DEPTH= 47 KM MAGNITUDE= 5.2 SOUTHWESTERN KASHMIR										
GRF	E Z BE	P	19 18 23.4			3	5320	47.8	84.2	308.8
DEC 17 BCS H= 11 42 04.0 LAT = 44.9 N LONG= 6.8 E FRANCE										
DEC 17 GS H= 11 42 04.3 LAT = 44.9 N LONG= 7.0 E DEPTH= 33 KM (NORMAL) NORTHERN ITALY										
BUH	E Z GT	PN	11 43 01.9				430	3.9	135.1	14.1
GRF	E Z BE	P	11 43 46.7			3	630	5.7	213.8	30.5
	E N BE	S	11 44 31.-			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 17 GS H= 21 54 02.5 LAT = 48.1 N LONG= 154.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 KURIL ISLANDS										
HOF	-I Z SL	P	22 05 52.-	1.5	2.58	9	8540	76.8	24.7	336.4
	+E Z SL	APCP	22 06 09.-	2.0	2.67	2				
BNS	-I Z FS	P	22 05 56.5	1.0	1.78		8610	77.4	21.8	339.5
	E Z FS	-	22 06 41.5							
GRF	+I Z BE	P	22 05 57.2	0.9	2.10	6	8630	77.6	24.2	336.6
	E Z BE	-	22 06 00.0			3				
STU	+E Z BE	P	22 06 04.0	1.0	2.01	3	8780	79.0	22.9	337.4
FUR	+I Z SL	P	22 06 04.-	1.5	1.95	9	8780	79.0	24.1	335.9
	+I Z SL	-	22 06 06.-	1.8	2.30	3				
	+I Z SL	PCP	22 06 12.-	1.5	1.73	3				
	+I Z SL	XP	22 06 19.-	1.5	1.73	2				
	Z SL	PM	22 44 00.-	20.0	2.10					
BUH	+I Z GT	P	22 06 06.0				8820	79.3	22.3	338.0
DEC 18 GS H= 04 09 08.9 LAT = 5.4 S LONG= 154.2 E DEPTH=413 KM MAGNITUDE= 5.3 SOLOMON ISLANDS										
GRF	E Z BE	PKP	04 27 23.9			2	14000	125.9	47.7	331.1
	E Z BE	PP	04 29 21.2			2				
DEC 18 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	15 25 56.3			2				
	E N BE	SG	15 26 32.2			2				
DEC 19 GS H= 03 06 58.8 LAT = 27.1 S LONG= 26.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.2 REPUBLIC OF SOUTH AFRICA										
GRF	E Z BE	P	03 18 54.3			2	8630	77.6	165.3	349.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 19 GS H= 04 43 01.5 LAT = 9.4 S LONG= 119.5 E DEPTH= 58 KM MAGNITUDE= 6.0 SUMBA ISLAND REGION										
GRF	E Z BE	P	04 57 44.3			1	12110	108.9	82.2	319.3
	E Z BE	PKIKP	05 01 28.4			2				
FUR	+I E SL	PPP	05 04 08.-	1.5	1.68	2	12130	109.1	82.7	317.7
BUH	E Z GT	PKP	05 01 31.3				12350	111.0	80.2	318.6
BNS	E Z SL	-	05 02 03.-				12370	111.3	78.4	321.1
	E Z SL	-	05 11 40.-							
	E Z SL	LR	05 42 00.-	50.0						
	Z SL	-	05 50 30.-	22.0						
DEC 19 GS H= 12 55 57.1 LAT = 20.6 S LONG= 176.5 W DEPTH=246 KM MAGNITUDE= 5.8 FIJI ISLANDS REGION										
HLG	+ Z X	PKP	13 15 10.-			4	16270	146.3	7.4	355.4
HAM	E Z SX	PKP	13 15 11.-			4	16330	146.8	11.0	353.0
BNS	E Z FS	PKP	13 15 10.-				16630	149.5	6.8	355.4
	-I Z FS	-	13 15 19.8	1.7	2.88					
	E Z SL	-	13 16 14.-							
	Z SL	-	14 08 00.-	80.0						
HOF	+I Z SL	PKP1	13 15 14.-	3.0	3.20	6	16640	149.6	15.6	349.4
	+I Z SL	PKHKP	13 15 19.-	1.5	3.59	9				
	+I Z SL	PKP2	13 15 31.-	1.5	2.98	2				
	+I Z SL	APKP	13 16 17.-	2.8	3.48	8				
	+I Z SL	APKP	13 16 27.-	1.5	3.14	4				
	+I Z SL	XPKP	13 16 43.-	1.5	3.05	3				
TNS	E Z B	PKP	13 15 16.5				16700	150.2	9.3	353.6
GRF	E Z BE	PKP	13 15 15.5			2	16720	150.3	14.7	349.9
	I Z BE	-	13 15 22.8			9				
	I Z BE	-	13 15 29.5			9				
	E Z BE	APKP	13 16 20.0			4				
KRL	+I Z ST	PKP	13 15 26.0	1.2		7	16830	151.4	9.6	353.3
BUH	E Z GT	PKP	13 15 17.0				16870	151.7	9.4	353.4
FUR	+I Z SL	PKP1	13 15 13.-	1.5	2.05	6	16880	151.8	15.5	349.0
	+I Z SL	-	13 15 22.-	2.0	2.54	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
-I Z SL	PKHKP	13 15 25.-	1.5	2.40	8					
-I Z SL	PKP2	13 15 33.-	1.5	2.13	4					
+I Z SL	APKP	13 16 26.-	1.5	2.06	2					
-I Z SL	PP	13 19 09.-	2.0	2.53	7					
DEC 19 GS H= 16 32 28.5 LAT = 15.7 S LONG= 173.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 TONGA ISLANDS										
GRF	E Z BE	PKP	16 52 06.8			3	16220	145.9	7.3	355.1
DEC 19 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 38 16.0			2				
DEC 20 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 04 53.4			2				
	E N BE	SG	11 05 36.5			2				
DEC 20 GS H= 11 10 45.8 LAT = 42.9 N LONG= 143.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	11 23 02.3			2	8970	80.7	29.9	333.8
	E Z BE	AP	11 23 14.0			2				
	E Z BE	-	11 23 20.8			2				
DEC 20 GS H= 17 44 25.8 LAT = 38.8 N LONG= 14.8 E DEPTH=272 KM MAGNITUDE= 5.1 SICILY										
DEC 20 BCS H= 17 44 28.0 LAT = 38.8 N LONG= 14.8 E DEPTH=270 KM SICILY										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 13 GS H= 04 43 01.5 LAT = 9.4 S LONG= 119.5 E DEPTH= 58 KM MAGNITUDE= 6.0 SUMBA ISLAND REGION										
GRF	E Z BE	P	04 57 44.3			1	12110	108.9	82.2	319.3
	E Z BE	PKIKP	05 01 28.4			2				
FUR	+I E SL	PPP	05 04 08.-	1.5	1.68	2	12130	109.1	82.7	317.7
BUH	E Z GT	PKP	05 01 31.3				12350	111.0	80.2	318.6
BNS	E Z SL	-	05 02 03.-				12370	111.3	78.4	321.1
	E Z SL	-	05 11 40.-							
	E Z SL	LR	05 42 00.-	50.0						
	Z SL	-	05 50 30.-	22.0						
DEC 13 GS H= 12 55 57.1 LAT = 20.6 S LONG= 176.5 W DEPTH=246 KM MAGNITUDE= 5.8 FIJI ISLANDS REGION										
HLG	+ Z X	PKP	13 15 10.-			4	16270	146.3	7.4	355.4
HAM	E Z SX	PKP	13 15 11.-			4	16330	146.8	11.0	353.0
BNS	E Z FS	PKP	13 15 10.-				16630	149.5	6.8	355.4
	-I Z FS	-	13 15 19.8	1.7	2.88					
	E Z SL	-	13 16 14.-							
	Z SL	-	14 08 00.-	80.0						
HOF	+I Z SL	PKP1	13 15 14.-	3.0	3.20	6	16640	149.6	15.6	349.4
	+I Z SL	PKHKP	13 15 19.-	1.5	3.59	9				
	+I Z SL	PKP2	13 15 31.-	1.5	2.98	2				
	+I Z SL	APKP	13 16 17.-	2.8	3.48	8				
	+I Z SL	APKP	13 16 27.-	1.5	3.14	4				
	+I Z SL	XPKP	13 16 43.-	1.5	3.05	9				
TNS	E Z B	PKP	13 15 16.5				16700	150.2	9.3	353.6
GRF	E Z BE	PKP	13 15 15.5			2	16720	150.3	14.7	349.9
	I Z BE	-	13 15 22.8			9				
	I Z BE	-	13 15 23.5			9				
	E Z BE	APKP	13 16 20.0			4				
KRL	+I Z ST	PKP	13 15 26.0	1.2		7	16830	151.4	9.6	353.3
BUH	E Z GT	PKP	13 15 17.0				16870	151.7	9.4	353.4
FUR	+I Z SL	PKP1	13 15 13.-	1.5	2.05	6	16880	151.8	15.5	349.0
	+I Z SL	-	13 15 22.-	2.0	2.54	3				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	-I Z SL	PKHKP	13 15 25.-	1.5	2.40	8				
	-I Z SL	PKP2	13 15 33.-	1.5	2.13	4				
	+I Z SL	APKP	13 16 26.-	1.5	2.06	2				
	-I Z SL	PP	13 19 09.-	2.0	2.53	7				
DEC 19 GS H= 16 32 28.5 LAT = 15.7 S LONG= 173.0 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 TONGA ISLANDS										
GRF	E Z BE	PKP	16 52 06.8			3	16220	145.9	7.3	355.1
DEC 19 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 38 16.0			2				
DEC 20 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	PG	11 04 53.4			2				
	E N BE	SG	11 05 36.5			2				
DEC 20 GS H= 11 10 45.8 LAT = 42.9 N LONG= 143.1 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.6 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	11 23 02.3			2	8970	80.7	23.9	333.8
	E Z BE	AP	11 23 14.0			2				
	E Z BE	-	11 23 20.8			2				
DEC 20 GS H= 17 44 25.8 LAT = 38.8 N LONG= 14.8 E DEPTH=272 KM MAGNITUDE= 5.1 SICILY										
DEC 20 BCS H= 17 44 28.0 LAT = 38.8 N LONG= 14.8 E DEPTH=270 KM SICILY										

DEC 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
FUR	+I Z SL	P	17 46 42.-	1.5	2.37	9	1080	9.7	163.4	345.8
	-I Z SL	-	17 46 51.-	1.0	2.81	2				
	-I Z SL	XP	17 47 42.-	1.3	2.55	2				
	-I Z SL	XPP	17 47 49.-	1.3	2.28	3				
	+I Z SL	-	17 47 55.-	1.5	2.06	2				
	+I Z SL	-	17 48 17.-	1.5	1.98	4				
	+I Z SL	S	17 48 26.-	1.3	2.20	3				
STU	E Z BE	P	17 46 53.5	1.3	2.35	3	1200	10.8	155.8	339.7
BUH	-I Z GT	P	17 46 56.7				1220	11.0	151.8	336.4
GRF	-I Z BE	P	17 46 59.6	0.8	2.31	9	1240	11.2	165.4	347.9
KRL	+E Z ST	P	17 47 01.0	1.0		3	1250	11.2	153.3	337.8
HOF	+I Z SL	P	17 47 06.-	1.0	2.76	9	1300	11.7	168.6	350.7
	-I Z SL	-	17 47 15.-	1.0	2.31	9				
TNS	-E Z B	P	17 47 14.5				1370	12.3	156.0	340.4
BNS	-I Z FS	P	17 47 27.0	1.0	2.49		1480	13.3	153.2	338.6
HAM	E Z SX	P	17 47 46.-			1	1670	15.1	165.1	348.7

DEC 20
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST SUPPOSED.

BNS	E Z FS	-	22 46 07.7							
	E E X	SG	22 46 09.5							
	E Z FS		22 46 17.-	1.3	1.95					

DEC 21 GS
H= 02 08 47.5
LAT = 30.3 N
LONG= 94.9 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.8
TIBET

GRF	E Z BE	P	02 19 18.0			1	7080	63.7	73.6	313.9
FUR	+I Z SL	P	02 19 21.-	1.5	1.54	9	7120	64.1	72.9	312.3
	+I Z SL	-	02 19 25.-	1.8	2.00	9				

DEC 21
NO DETERMINATION OF EPICENTER

BNS	E Z FS	SG	04 05 50.3	0.5	1.30					

DEC 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

DEC 21 GS
H= 08 17 50.9
LAT = 46.1 N
LONG= 14.3 E
DEPTH= 11 KM
MAGNITUDE= 4.1
YUGOSLAVIA

DEC 21 BCS
H= 08 17 53.0
LAT = 46.1 N
LONG= 14.2 E
YUGOSLAVIA

BCIS= MINOR DAMAGES (VI) AT ZIRI (46 DEG. 05 MIN. N, 14 DEG. 05 MIN. E)
FELT V AT SKOFJA LOKA, IV-V AT KRANJ, IV AT JESENICE AND LOGATEC,
III-IV AT LJUBLJANA, II-III AT KLAGENFURT AND VILLACH (AUSTRIA).

FUR	+I Z SL	PB	08 18 46.-	1.3	2.24	5	330	2.9	134.2	316.4
	+I Z SL	PG	08 18 59.-	1.2	2.15	3				
	-I Z SL	SN	08 19 19.-	1.5	1.81	2				
	-I Z SL	SB	08 19 27.-	1.5	2.03	3				
	+I Z SL	SG	08 19 34.-	1.1	2.55	4				
	Z SL	MAXIMUM	08 20 02.-	1.8	2.76					
GRF	E Z JM	PN	08 18 56.1			1	460	4.2	149.1	331.3
	E Z BE	PG	08 19 08.4			3				
	E N BE	SG	08 20 04.0			9				
HOF	-I Z SL	PB	08 19 16.-	2.0	2.53	3	500	4.5	158.2	340.0
	-I Z SL	SB	08 20 10.-	1.5	2.40	1				
	Z SL	MAXIMUM	08 20 20.-	1.5	2.95					
BUH	E Z GT	PN	08 19 04.8				540	4.9	119.9	304.4
BNS	E Z FS	-	08 19 40.5				760	6.8	133.2	318.5
	E Z FS	-	08 21 14.0							

DEC 21 GS
H= 09 44 25.3
LAT = 52.3 N
LONG= 169.4 W
DEPTH= 47 KM
MAGNITUDE= 4.7
FOX ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	09 56 22.8			2	8720	78.4	0.4	359.6

DEC 21 GS
H= 09 51 41.3
LAT = 52.2 N
LONG= 169.4 W
DEPTH= 44 KM
MAGNITUDE= 4.8
FOX ISLANDS, ALEUTIAN ISLANDS

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	P	10 03 39.2			2	8720	78.4	0.4	359.6

DEC 21
NO DETERMINATION OF EPICENTER

HOF= EXPLOSION.

HOF	-I Z SL	-	11 08 32.-	1.0	2.33	9				
	-I Z SL	-	11 08 47.-	1.5	2.53	9				

DEC 21
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	14 30 33.2			1				
	E N BE	S	14 31 44.7			2				

DEC 21 GS
H= 15 28 19.2
LAT = 52.3 N
LONG= 169.4 W
DEPTH= 49 KM
MAGNITUDE= 4.7
FOX ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	15 40 16.8			3	8720	78.4	0.4	359.6
BUH	E Z GT	P	15 40 21.8				8830	79.4	358.5	1.6

DEC 21 GS
H= 16 00 46.0
LAT = 53.1 N
LONG= 169.4 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.6
FOX ISLANDS, ALEUTIAN ISLANDS

GRF	E Z BE	P	16 12 41.0			2	8620	77.5	0.4	359.6

DEC 21 GS
H= 16 53 34.8
LAT = 20.5 S
LONG= 178.8 W
DEPTH=606 KM (GEOPHYSICIST)
MAGNITUDE= 5.0
FIJI ISLANDS REGION

GRF	E Z BE	PKP	17 12 18.6			2	16660	149.8	18.9	347.0
	I Z BE	-	17 12 27.2			4				
FUR	-I Z SL	PKHKP	17 12 34.-	1.8	2.00	5	16820	151.3	19.9	345.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

DEC 21 GS
H= 19 12 43.5
LAT = 40.6 N
LONG= 124.6 W
DEPTH= 30 KM
MAGNITUDE= 5.2
NEAR COAST OF NORTHERN CALIF.

GRF	E Z BE	P	19 25 12.2			2	9120	82.0	327.6	27.2

DEC 22 GS
H= 01 19 59.5
LAT = 35.1 N
LONG= 140.2 E
DEPTH= 70 KM
MAGNITUDE= 4.9
NEAR EAST COAST OF HONSHU, JAPAN

GRF	E Z BE	P	01 32 26.4			2	9370	84.2	39.8	329.5

DEC 22 GS
H= 02 35 15.0
LAT = 34.1 N
LONG= 24.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.0
CRETE

GRF	E Z BE	P	02 39 30.5			2	2060	18.5	142.1	331.3

DEC 22
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	09 00 24.8			1				
	E Z BE	PG	09 00 28.5			2				
	E N BE	SG	09 00 59.6			2				

DEC 22
NO DETERMINATION OF EPICENTER

GRF	E Z JM	PN	10 58 40.5			1				
	E Z JM	PG	10 58 50.6			2				
	E E BE	SG	10 59 33.0			2				

DEC 22
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	12 30 57.1							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
DEC 22 GS										
H= 14 19 04.1										
LAT = 14.8 S										
LONG= 173.2 E										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 5.4										
FIJI ISLANDS REGION										
GRF	E Z BE	PKP1	14 38 36.4			1	15810	142.2	29.3	340.8
FUR	+I Z SL	PKP1	14 38 36.-	1.5	1.66	1	15960	143.5	30.4	339.5
	+I Z SL	XPKP	14 38 43.-	1.5	1.59	5				
	+I Z SL	-	14 39 27.-	1.5	1.59	2				
	+I Z SL	-	14 42 14.-	2.0	2.18	9				
DEC 22 GS										
H= 23 24 20.8										
LAT = 51.9 N										
LONG= 168.0 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.6										
FOX ISLANDS, ALEUTIAN ISLANDS										
GRF	E Z BE	P	23 36 37.2			2	8760	78.8	359.5	0.5
DEC 23 GS										
H= 07 28 19.3										
LAT = 20.2 S										
LONG= 174.1 W										
DEPTH= 33 KM (NORMAL)										
MAGNITUDE= 4.3										
TONGA ISLANDS										
GRF	E Z BE	PKP	07 48 07.3			1	16710	150.2	10.1	353.1
DEC 23										
NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PN	19 01 47.9							
DEC 23										
NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 07 07.6			2				
DEC 24 GS										
H= 07 11 39.5										
LAT = 31.9 S										
LONG= 179.7 W										
DEPTH=200 KM										
MAGNITUDE= 4.9										
KERMADEC ISLANDS REGION										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
GRF	E Z BE	PKP2	07 31 57.8			2	17840	160.4	28.8	338.4
DEC 24 GS										
H= 08 14 25.1										
LAT = 19.1 S										
LONG= 174.9 W										
DEPTH=121 KM										
MAGNITUDE= 5.7										
TONGA ISLANDS										
HAM	-E Z SX	PKP	08 32 50.-			9	16170	145.5	8.1	354.9
BNS	-E Z FS	PKP	08 33 54.3	1.2	2.51		16470	148.1	3.8	357.5
	-I Z FS	-	08 33 58.2							
	I Z FS	-	08 34 30.5							
HOF	-E Z SL	PKP1	08 33 54.-	2.0	2.53	9	16500	148.3	12.3	351.7
	+I Z SL	PKHKP	08 33 58.-	3.0	3.53	7				
TNS	E Z B	PKP	08 34 00.0				16550	148.8	6.2	355.8
GRF	E Z BE	PKP	08 33 56.4			3	16570	149.0	11.3	352.2
	-I Z BE	-	08 34 01.2			6				
	I Z BE	-	08 34 05.2			4				
	E Z BE	APKP	08 34 34.5			3				
BUH	E Z GT	PKP	08 33 56.8				16720	150.3	6.0	355.8
	I Z GT	PKP	08 34 04.0							
FUR	-E Z SL	PKP1	08 33 58.-	2.0	2.27	3	16740	150.5	12.0	351.5
	-I Z SL	PKHKP	08 34 04.-	1.5	2.26	9				
	+I Z SL	PKP2	08 34 11.-	1.3	2.44	5				
	+I Z SL	APKP	08 34 29.-	2.0	2.35	4				
	-I Z SL	-	08 34 34.-	1.5	1.76	5				
	+I Z SL	XPKP	08 34 43.-	1.8	2.40	5				
DEC 24										
NO DETERMINATION OF EPICENTER										
FUR= LOCAL.										
FUR	-I Z SL	-	08 26 20.-	1.5	1.54	9				
DEC 24										
NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	12 41 46.8							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 24 GS H= 13 53 50.9 LAT = 35.0 N LONG= 27.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.3 DODECANESE ISLANDS										
DEC 24 BCS H= 13 53 56.0 LAT = 35.2 N LONG= 27.9 E DODECANESE ISLANDS										
FUR	-E Z SL	P	13 57 59.-	1.5	1.28	2	2000	18.0	130.8	321.8
	+I Z SL	XP	13 58 08.-	1.8	2.00	3				
	-I Z SL	PP	13 58 11.-	1.8	2.15	3				
	+I Z SL	PPP	13 58 22.-	1.5	1.59	3				
GRF	E Z BE	P	13 58 11.7			2	2120	19.0	134.0	325.3
BUH	E Z GT	P	13 58 22.4				2210	19.9	126.0	319.2
DEC 24 GS H= 15 38 14.4 LAT = 37.4 N LONG= 134.3 E DEPTH=335 KM MAGNITUDE= 4.6 SEA OF JAPAN										
GRF	E Z BE	P	15 49 41.0			1	8870	79.8	42.7	326.4
	E Z BE	AP	15 51 12.5			1				
DEC 24 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	16 49 25.9			2				
DEC 24 GS H= 20 22 45.4 LAT = 34.7 N LONG= 24.6 E DEPTH= 37 KM MAGNITUDE= 4.9 CRETE										
DEC 24 BCS H= 20 22 46.0 LAT = 34.6 N LONG= 24.7 E CRETE										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	+I Z SL	P	20 26 41.-	1.0	2.76	9	1860	16.7	138.6	327.5
	+I Z SL	PP	20 26 53.-	1.5	1.62	3				
	+I Z SL	PPP	20 27 02.-	1.9	2.22	5				
	+I Z SL	-	20 27 05.-	1.5	1.76	9				
GRF	E Z BE	P	20 26 53.9			4	1990	17.9	141.6	330.7
	+I Z BE	-	20 26 55.1			9				
BUH	E Z GT	P	20 27 00.9				2060	18.5	132.9	323.9
BNS	E Z FS	P	20 27 23.7	1.2	1.48		2290	20.6	135.4	327.4
	E Z FS	-	20 27 33.5							
HAM	E Z SX	P	20 27 32.-			4	2380	21.4	145.1	335.5
DEC 24 GS H= 20 41 37.3 LAT = 22.6 N LONG= 45.1 W DEPTH= 33 KM (NORMAL) MAGNITUDE= 4.9 NORTH ATLANTIC RIDGE										
FUR	-I Z SL	P	20 50 42.-	1.5	1.49	4	5690	51.2	260.8	45.6
GRF	E Z BE	P	20 50 41.2			2	5720	51.4	259.5	43.7
DEC 24 GS H= 20 50 08.0 LAT = 24.3 N LONG= 121.0 E DEPTH= 24 KM MAGNITUDE= 4.8 TAIWAN										
GRF	E Z BE	P	21 02 37.1			2	9300	83.6	59.7	322.1
FUR	+I Z SL	PCP	21 02 43.-	1.8	2.04	1	9380	84.4	59.6	320.7
	+I Z SL	AP	21 02 47.-	1.5	1.36	2				
DEC 24 GS H= 23 34 21.0 LAT = 42.3 N LONG= 146.0 E DEPTH= 35 KM MAGNITUDE= 4.7 OFF COAST OF HOKKAIDO, JAPAN										
GRF	E Z BE	P	23 50 30.4			2	8810	80.2	32.3	332.1

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
DEC 25 BCS									
H= 00 44 48.0									
LAT = 36.4 N									
LONG= 8.5 W									
WEST OF GIBRALTAR									
DEC 25 GS									
H= 00 44 49.9									
LAT = 36.4 N									
LONG= 7.9 W									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 4.5									
STRAIT OF GIBRALTAR									
BCIS= FELT II-IV IN THE SOUTHERN PART OF PORTUGAL IN THE PROVINCE OF ALGARVE, III-IV AT FARO (PTO).									
GRF	E Z BE	P	00 49 21.7			2	2170	19.5	234.6 41.0
DEC 25 GS									
H= 02 07 58.1									
LAT = 56.8 N									
LONG= 153.8 W									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 4.2									
KODIAK ISLAND REGION									
GRF	E Z BE	P	02 19 26.7			1	8130	73.1	351.5 10.1
DEC 25									
NO DETERMINATION OF EPICENTER									
BNS	E Z FS	-	20 50 25.7						
DEC 26 GS									
H= 01 42 21.6									
LAT = 22.5 N									
LONG= 93.4 E									
DEPTH= 50 KM									
MAGNITUDE= 5.1									
BURMA-INDIA BORDER REGION									
GRF	E Z BE	P	01 53 11.-			1	7580	68.2	80.7 316.1
DEC 26 GS									
H= 02 59 12.4									
LAT = 15.2 S									
LONG= 66.9 E									
DEPTH= 33 KM (NORMAL)									
MAGNITUDE= 5.2									
MID-INDIAN RISE									
FUR	+I Z SL	P	03 11 22.-	2.0	2.24	3	8910	80.2	126.0 325.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.
	+I Z SL	PCP	03 11 27.-	1.8	2.18	9			
	-I Z SL	APCP	03 11 33.-	1.8	2.11	3			
GRF	E Z BE	P	03 11 25.8			2	9020	81.1	126.2 327.1
	E Z BE	-	03 11 31.9			2			
DEC 26 GS									
H= 12 52 58.7									
LAT = 49.5 N									
LONG= 155.7 E									
DEPTH= 56 KM									
MAGNITUDE= 4.9									
KURIL ISLANDS									
BUH	E Z GT	P	13 04 54.0				8710	78.3	21.0 338.7
DEC 26 GS									
H= 17 45 59.7									
LAT = 26.9 S									
LONG= 177.7 W									
DEPTH=186 KM									
MAGNITUDE= 4.6									
SOUTH OF FIJI ISLANDS									
GRF	E Z BE	PKP	18 06 01.9			2	17370	156.2	20.1 345.5
DEC 26 GS									
H= 20 30 06.4									
LAT = 33.4 N									
LONG= 140.8 E									
DEPTH= 63 KM									
MAGNITUDE= 5.6									
SOUTH OF HONSHU, JAPAN									
HOF	-I Z SL	P	20 42 37.-	1.8	2.78	9	9480	85.2	40.8 330.0
	+I Z SL	XPCP	20 42 54.-	1.8	2.74	2			
GRF	+E Z BE	P	20 42 40.8			4	9560	86.0	40.2 329.9
	E Z BE	AP	20 42 57.0			2			
	E Z BE	PP	20 46 07.0			2			
BNS	+I Z FS	P	20 42 42.6	2.9	2.26		9630	86.6	37.3 332.7
	E Z FS	-	20 42 59.0						
	E Z FS	-	20 43 33.5						
FUR	-I Z SL	P	20 42 47.-	1.9	2.22	2	9690	87.1	40.2 328.9
	+I Z SL	PCP	20 42 52.-	3.0	2.62	7			
	+I Z SL	APCP	20 43 04.-	1.8	2.38	2			
	Z SL	RM	21 26 20.-	17.0	3.22				
STU	E Z BE	P	20 42 47.5	1.7	1.78	2	9730	87.5	38.7 330.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 27 GS H= 05 48 42.2 LAT = 13.9 N LONG= 146.4 E DEPTH= 54 KM MAGNITUDE= 5.1 SOUTH OF MARIANA ISLANDS										
GRF	E Z BE	PKP	06 07 05.-			1	11730	105.4	45.2	331.6
DEC 27 GS H= 13 35 18.6 LAT = 38.6 N LONG= 20.4 E DEPTH= 38 KM MAGNITUDE= 4.6 GREECE										
DEC 27 BCS H= 13 35 22.0 LAT = 38.7 N LONG= 20.7 E DEPTH= 70 KM GREECE										
FUR	+I Z SL	P	13 38 03.-	1.5	1.54	2	1290	11.6	142.0	328.2
	-I Z SL	PP	13 38 14.-	1.5	1.43	4				
GRF	E Z BE	P	13 38 18.-			1	1430	12.8	146.0	332.3
	E Z BE	-	13 38 32.2			3				
	E N BE	S	13 40 35.9			3				
BUH	E Z GT	PN	13 38 28.6				1480	13.3	134.4	322.8
DEC 27 NO DETERMINATION OF EPICENTER										
BNS= LOCAL EXPLOSION SUPPOSED.										
BNS	I Z FS	PG	15 04 19.5	0.5	2.45					
	I Z FS	SG	15 04 20.5							
DEC 27 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	20 30 51.3			2				
DEC 27 NO DETERMINATION OF EPICENTER										
BNS	E Z FS	-	20 45 50.2							

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 27 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	22 50 12.0			2				
DEC 28 NO DETERMINATION OF EPICENTER										
GRF	E Z BE	P	02 05 46.8			1				
DEC 28 GS H= 05 31 06.4 LAT = 23.9 S LONG= 180.0 E DEPTH=549 KM MAGNITUDE= 6.4 SOUTH OF FIJI ISLANDS										
HLG	-I Z X	PKIKP	05 49 50.0	1.6		3	16590	149.1	14.2	350.9
	+I Z X	PKHKP	05 49 55.2	1.2		8				
	+I Z X	PKP2	05 50 03.0	1.0		4				
	+I Z X	APKP	05 50 15.0	1.4		3				
	-E Z SL	PP	05 51 53.0			2				
	-E Z X	PP	05 51 54.-	1.8		2				
HAM	+I Z SX	PKP	05 49 51.0			9	16620	149.5	18.2	348.2
BRN	+E Z ET	PKP	05 49 51.-			2	16650	149.8	24.6	343.8
HOF	-I Z SL	PKP1	05 49 53.-	3.0	3.87	9	16900	152.0	23.8	343.6
	-I Z SL	PKHKP	05 50 01.-	3.0	4.01	9				
	-I Z SL	PKP2	05 50 11.-	3.0	3.83	9				
	-I Z SL	APKP	05 51 58.-	3.0	3.67	3				
BNS	+I Z FS	PKP	05 49 54.0	2.1	3.21		16940	152.4	14.4	350.1
	+I Z SL	-	05 49 55.-	7.0						
	-I Z SL	-	05 51 58.-							
	E Z SL	-	05 52 54.-							
GRF	+E Z BE	PKP	05 49 54.7	2.0	3.04	9	16990	152.8	23.0	343.9
	E Z BE	-	05 49 57.8			3				
	E Z BE	-	05 50 03.0			2				
	I Z BE	PKP2	05 50 17.4			9				
	E Z BE	-	05 52 03.6			2				
TNS	+I Z B	PKP	05 49 54.7				17000	152.9	17.2	348.0
	I Z B	APKP	05 51 59.7							
	E Z SL	SKP	05 52 57.0							
KRL	+I Z WH	PKP	05 49 57.0	2.7		9	17130	154.0	17.9	347.2
STU	+I Z BE	PKP	05 49 56.3	1.4	2.94	7	17140	154.1	19.7	345.9
	+E Z BE	-	05 50 05.5	1.4	2.91	2				
	E Z BE	XPKP	05 52 05.7	1.2	2.79	4				
FUR	+I Z SL	PKP1	05 49 56.-	1.5	2.72	9	17140	154.1	24.3	342.5

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	+I Z SL	PKHKP	05 50 06.-	1.5	2.44	9				
	-I Z SL	PKP2	05 50 25.-	1.8	2.93	9				
BUH	+I Z GT	PKP	05 49 56.7				17170	154.4	17.7	347.3
	I Z GT	PKP	05 50 06.2							
	I Z GT	PKP	05 50 23.6							

DEC 28 GS
H= 13 41 45.8
LAT = 14.5 S
LONG= 166.6 E
DEPTH= 26 KM
MAGNITUDE= 6.4
NEW HEBRIDES ISLANDS

NOS= CONCRETE WALLS AND FLOORS CRACKED, WATER TANKS TOPPLED ON ESPIRITU SANTO. FELT (VII) ON VANUA LAVA AND AT LUGANVILLE, ALSO FELT (VII) AT HOG HARBOR AND PORT ORLY. MAG. 7 (PAS), 7.8 (BRK).

HAM	E Z SX	PKP	14 01 11.-			1	15230	137.0	34.2	339.7
HLG	Z X	PKP	14 01 18.-	1.0		3	15230	137.0	31.0	341.8
HOF	-I Z SL	PKP1	14 01 11.-	2.0	3.13	9	15430	138.8	38.9	335.5
	-I Z SL	-	14 01 16.-	4.0	3.39	5				
	-I Z SL	APKP	14 01 20.-	1.5	3.06	2				
GRF	E Z BE	PKP	14 01 08.1			2	15510	139.5	38.4	335.4
	E Z BE	-	14 01 12.4			3				
	E Z BE	-	14 01 16.6			3				
	I Z BE	-	14 01 21.3			9				
BNS	E Z SL	P	13 59 02.-				15570	140.0	32.0	339.8
	+I Z SL	PKP	14 01 07.-	31.0						
	E Z FS	-	14 01 13.8	1.2	2.67					
	E Z SL	PP	14 04 36.-							
	Z SL	-	15 04 30.-	21.0						
TNS	E Z B	PKP	14 01 15.0				15590	140.2	34.2	338.1
FUR	-I Z SL	PKP1	14 01 15.-	2.0	2.27	2	15640	140.7	39.7	333.8
	-I Z SL	-	14 01 18.-	1.3	1.96	2				
	-I Z SL	SKP	14 04 46.-	1.3	2.77	3				
	+I Z SL	-	14 05 19.-	3.0	3.43	6				
	+E Z SL	SKKKS	14 11 27.-	8.5	3.99	2				
STU	+E Z SL	PKP	14 01 00.0	20.0	4.34	6	15690	141.1	36.3	336.1
KRL	+E Z ST	PKP	14 01 12.5	7.0		2	15700	141.2	35.0	337.0
	-E Z WH	PKP	14 01 14.0	2.0		4				
BUH	E Z GT	PKP	14 01 18.0				15740	141.5	35.0	336.9

DEC 28
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.

HOF= EXPLOSION.

HOF	-E Z SL	-	13 58 59.-	1.5	2.40	9				

DEC 28 GS
H= 14 18 52.0
LAT = 14.7 S
LONG= 166.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.6
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	14 38 21.4			2	15540	139.7	38.3	335.1
	E Z BE	PP	14 41 27.0			1				

DEC 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	14 24 16.9			1				

DEC 28 GS
H= 15 08 12.6
LAT = 14.5 S
LONG= 166.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	15 27 40.5			2	15510	139.5	38.6	335.3

DEC 28 GS
H= 15 58 13.8
LAT = 14.6 S
LONG= 167.0 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.5
NEW HEBRIDES ISLANDS

GRF	E Z BE	PP	16 19 44.-			2	15550	139.8	38.0	335.6

DEC 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	16 27 41.3			2				

DEC 28
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	16 31 22.5			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
DEC 28 GS H= 17 50 15.4 LAT = 14.9 S LONG= 166.8 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.6 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	18 09 44.1			1	15570	140.0	38.5	335.3
FUP	+I Z SL	PKP1	18 09 40.-	1.8	2.00	9	15700	141.2	39.7	333.7
	-I Z SL	-	18 09 44.-	2.0	2.18	3				
	-I Z SL	APKP	18 09 50.-	1.5	1.43	7				
DEC 28 NO DETERMINATION OF EPICENTER										
BUH	E Z GT	PG	19 02 24.3							
DEC 28 GS H= 21 05 36.7 LAT = 14.4 S LONG= 166.7 E DEPTH= 50 KM MAGNITUDE= 5.6 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	21 25 01.3			1	15520	139.5	38.3	335.5
	E Z BE	PP	21 27 55.3			2				
FUP	-I Z SL	PKP1	21 25 03.-	2.0	2.18	2	15650	140.7	39.5	333.9
BUH	E Z GT	PKP	21 25 02.5				15740	141.5	34.8	337.0
DEC 29 GS H= 00 13 31.1 LAT = 15.1 S LONG= 166.9 E DEPTH= 47 KM MAGNITUDE= 6.2 NEW HEBRIDES ISLANDS NOS= CONCRETE WHARF AND WALLS CRACKED, WATER PIPES BROKEN AT LUGANVILLE. MAX. INT. VII. MAG. 7.1 (BRK).										
HAM	E Z SX	PKP	00 38 54.-			2	15310	137.7	34.1	339.7
HLG	Z SL	PKP	00 38 44.-			3	15310	137.7	30.9	341.8
	+I Z SL	PP	00 41 42.0			5				
HOF	-I Z SL	PKP1	00 38 49.-	2.0	3.07	9	15510	139.5	38.3	335.4
	+I Z SL	APKP	00 38 58.-	2.0	3.48	3				
GRF	E Z BE	PKP	00 38 49.4			1	15590	140.2	38.5	335.3

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	+I Z SL	PKP	00 38 42.-	31.0			15640	140.7	31.9	339.8
	E Z FS	-	00 38 50.-	2.5	2.81					
	+E Z SL	PP	00 42 00.-							
	E Z SL	LR	01 24 44.-	50.0						
	Z SL	-	01 40 00.-	23.0						
TNS	E Z B	PKP	00 38 51.7				15660	140.9	34.2	338.0
	E Z SL	PKP2	00 39 02.0							
	E Z SL	PKS	00 41 53.0							
	E Z SL	PP	00 42 46.0							
FUR	+I Z SL	PKP1	00 38 55.-	1.2	2.72	8	15720	141.4	39.7	333.7
STU	+E Z SL	PKP	00 38 52.0	21.2	4.20	4	15760	141.8	36.3	336.1
KRL	-E Z WH	PKP	00 38 57.5	5.0		3	15780	141.9	35.0	337.0
	+E Z ST	PKP	00 38 58.2	2.0		2				
	+I Z WH	PKP	00 39 00.0	5.0		8				
BUH	E Z GT	PKP	00 38 56.0				15810	142.2	35.0	336.8
DEC 29 GS H= 02 51 33.6 LAT = 18.2 S LONG= 178.2 W DEPTH=625 KM (GEOPHYSICIST) MAGNITUDE= 4.6 FIJI ISLANDS REGION										
GRF	E Z BE	PKP	03 10 11.5			2	16420	147.7	16.8	348.6
	E Z BE	-	03 10 15.6			2				
DEC 29 GS H= 06 44 18.9 LAT = 14.9 S LONG= 166.5 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.8 NEW HEBRIDES ISLANDS										
GRF	E Z BE	PKP	07 03 47.2			2	15550	139.8	38.8	335.1
	E Z BE	PP	07 06 40.5			1				
FUP	+I Z SL	PKHKP	07 03 44.-	1.5	1.43	7	15680	141.0	40.1	333.5
	-I Z SL	PKP1	07 03 48.-	1.8	2.00	9				
BUH	E Z GT	PKP	07 03 48.0				15770	141.8	35.4	336.6
DEC 29 GS H= 08 20 16.2 LAT = 54.6 N LONG= 168.7 E DEPTH= 33 KM (NORMAL) MAGNITUDE= 5.5 KOMANDORSKY ISLANDS REGION										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
BNS	-E Z SL	P	08 31 48.-	16.0			8190	73.6	11.0	348.0
	E Z FS	-	08 31 49.5							
	E Z SL	PP	08 34 48.-							
	E Z SL	S	08 41 05.-							
	E Z SL	LR	08 56 00.-	40.0						
	Z SL	-	09 12 00.-	16.0						
GRF	E Z BE	P	08 31 51.6				8270	74.3	13.4	345.1
BUH	E Z GT	P	08 32 01.0				8420	75.8	11.5	346.8
FUP	+I Z SL	P	08 32 02.-	1.5	1.53	9	8430	75.8	13.3	344.6
	-I Z SL	AP	08 32 11.-	1.5	1.62	4				
	+I Z SL	APCP	08 32 19.-	1.8	2.26	3				
	-I Z SL	XPCP	08 32 27.-	1.8	2.00	1				
	Z SL	RM	09 01 00.-	28.0	3.89					

DEC 29 GS
H= 08 50 49.9
LAT = 14.3 S
LONG= 166.5 E
DEPTH= 20 KM
MAGNITUDE= 5.3
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	09 10 23.2			1	15490	139.3	38.4	335.4

DEC 30
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	02 45 34.-			1				

DEC 30 BCS
H= 06 30 39.0
LAT = 43.1 N
LONG= 12.5 E
CENTRAL ITALY

DEC 30 GS
H= 06 30 42.0
LAT = 43.4 N
LONG= 12.3 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 4.1
CENTRAL ITALY

BCIS= MAXIMUM INTENSITY VI. FELT AT PERUGIA.

FUP	+I Z SL	SN	06 32 58.-	1.5	1.76	5	570	5.1	169.9	350.8
	-I Z SL	SB	06 33 09.-	1.8	2.15	2				
	+I Z SL	SG	06 33 16.-	2.0	2.10	3				
	Z SL	MAXIMUM	06 34 10.-	1.8	2.30					
BUH	E Z GT	P	06 32 09.5				700	6.3	150.3	333.4

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	06 32 15.5			2	740	6.7	171.9	352.8
	E N BE	S	06 33 28.5			2				

DEC 30 GS
H= 11 53 12.9
LAT = 31.0 N
LONG= 141.8 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
SOUTH OF HONSHU, JAPAN

GRF	E Z BE	P	12 06 04.6			2	9840	88.5	40.7	330.4

DEC 30 GS
H= 16 21 29.3
LAT = 15.3 S
LONG= 173.1 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
TONGA ISLANDS

GRF	E Z BE	PKP	16 41 05.3			2	16180	145.5	7.4	355.1
	E Z BE	-	16 41 09.6			5				
	E Z BE	-	16 41 17.8			3				
	E Z BE	-	16 41 24.0			3				
	E Z BE	-	16 43 43.7			2				
BUH	-E Z GT	PKP	16 41 10.7				16310	146.7	2.3	358.4
FUP	-I Z SL	PKP1	16 41 13.-	1.5	1.89	4	16350	147.0	7.8	354.6
	+I Z SL	XPKP	16 41 30.-	1.5	1.76	8				

DEC 30 GS
H= 16 39 29.7
LAT = 15.5 S
LONG= 166.6 E
DEPTH= 10 KM (GEOPHYSICIST)
MAGNITUDE= 5.9
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	16 58 56.6			2	15620	140.5	39.1	334.9
BNS	E Z FS	PKP	16 59 10.-				15670	141.0	32.5	339.4
	E Z FS	-	17 01 53.-							
	E Z SL	LR	17 45 00.-	52.0						
	Z SL	-	18 00 00.-	23.0						
FUP	+I Z SL	PKP1	16 59 03.-	1.8	2.30	2	15750	141.6	40.3	333.3
	+I Z SL	PP	17 02 16.-	2.8	2.93	1				
BUH	E Z GT	PKP	16 59 02.0				15840	142.5	35.6	336.4

DEC 30
NO DETERMINATION OF EPICENTER

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	17 20 29.4			2				

DEC 30 GS
H= 17 43 47.8
LAT = 15.1 S
LONG= 166.5 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.4
NEW HEBRIDES ISLANDS

GRF	E Z BE	PKP	18 03 21.6			1	15570	140.0	38.9	335.0

DEC 30 GS
H= 18 19 32.8
LAT = 29.5 N
LONG= 129.4 E
DEPTH=107 KM
MAGNITUDE= 4.2
RYUKYU ISLANDS

GRF	E Z BE	P	18 31 54.7			2	9340	84.0	50.6	324.9

DEC 30
NO DETERMINATION OF EPICENTER

BUH	E Z GT	PN	19 15 10.2							
GRF	E Z JM	PN	19 15 21.4			1				
	E Z BE	PG	19 15 39.0			2				
	E N BE	SG	19 16 24.8			3				

DEC 31 GS
H= 02 42 44.1
LAT = 30.0 S
LONG= 177.5 W
DEPTH= 43 KM
MAGNITUDE= 4.9
KERMADEC ISLANDS

GRF	E Z BE	PKP2	03 03 16.4			2	17710	159.3	21.7	343.9

DEC 31 GS
H= 03 00 12.0
LAT = 28.9 S
LONG= 178.5 W
DEPTH=220 KM
MAGNITUDE= 5.7
KERMADEC ISLANDS REGION

HOF	-I Z SL	PKP1	03 19 44.-	2.0	2.92	9	17480	157.2	24.1	342.6
	+I Z SL	PKP2	03 20 17.-	1.8	3.13	9				
BNS	E Z FS	PKP	03 19 40.9				17520	157.6	13.1	350.6

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	-E Z FS	-	03 20 13.3	2.0	2.46					
GRF	E Z BE	PKP1	03 19 41.5			2	17570	158.0	23.3	343.0
	I Z BE	-	03 20 17.9	1.7	2.81	4				
	E Z BE	PKP2	03 21 11.6			3				
	E 7 BE	PP	03 23 52.4			2				
STU	E Z BE	PKP	03 19 43.5	1.7	2.27	2	17720	159.3	19.4	345.5
	E Z BE	XPKP	03 20 22.5	1.6	2.39	2				
FUR	-I Z SL	PKP1	03 19 44.-	1.8	2.20	9	17720	159.3	25.0	341.2
	+I Z SL	PKP2	03 20 24.-	1.5	2.59	7				
	+I Z SL	XPKP	03 21 00.-	1.8	2.40	2				
	+I Z SL	APKP	03 21 18.-	1.8	2.70	3				
	-I Z SL	XPKP	03 21 37.-	1.5	1.81	9				
	-I Z SL	SKP	03 22 59.-	1.5	1.59	3				
	-I Z SL	PP	03 24 03.-	2.2	2.66	6				
BUH	-E Z GT	PKP	03 19 44.0				17750	159.6	17.1	347.1
	E Z GT	PKP	03 20 24.2							

DEC 31 GS
H= 03 41 40.0
LAT = 15.1 S
LONG= 172.6 W
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
SAMOA ISLANDS REGION

BNS	+I Z FS	PKP	04 01 12.0	3.0	2.38		16040	144.2	359.7	0.2
GRF	E Z BE	PKP	04 01 14.2	1.4	2.20	2	16160	145.3	6.6	355.6
	E Z BE	-	04 01 31.3			2				
STU	E Z BE	PKP	04 01 18.5	1.5	2.08	2	16280	146.4	3.2	357.8
BUH	E Z GT	PKP	04 01 19.5				16290	146.5	1.5	358.9
FUR	-I Z SL	PKP1	04 01 20.-	1.5	1.70	9	16330	146.8	6.9	355.2
	-I Z SL	PKP2	04 01 25.-	1.5	2.40	1				
	-I Z SL	XPKP	04 01 36.-	1.2	2.00	9				

DEC 31
NO DETERMINATION OF EPICENTER

FUR	+E Z SL	-	10 37 17.-	1.5	1.28	2				
	-I Z SL	-	10 37 41.-	1.5	1.95	8				

DEC 31 GS
H= 11 00 53.8
LAT = 38.4 N
LONG= 116.4 E
DEPTH= 33 KM (NORMAL)
MAGNITUDE= 5.0
NORTHEASTERN CHINA

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
GRF	E Z BE	P	11 12 07.8			2	7820	70.3	53.7	318.3
	E Z BE	AP	11 12 13.6			2				

DEC 31
NO DETERMINATION OF EPICENTER

GRF	E Z BE	P	16 12 05.5			1				
	E N BE	S	16 13 03.2			2				

DEC 31 GS
H= 19 58 12.8
LAT = 17.6 S
LONG= 178.8 W
DEPTH=573 KM
MAGNITUDE= 5.1
FIJI ISLANDS REGION

GRF	E Z BE	PKP	20 16 53.7			2	16350	147.0	17.7	348.1

SEISMIC EVENTS IN THE FEDERAL REPUBLIC OF GERMANY

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
JAN 25										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
BUH	-I Z GT	PN	10 44 17.3							
FUR	+I Z SL	-	10 45 32.-	1.9	?.00	2				
FEB 05										
NO DETERMINATION OF EPICENTER										
BNS= H= 08 30 14, 50 DEG. 58 MIN. N, 6 DEG. 38 MIN. E, DEPTH= 1 KM, MLOC= 2.0 (BNS). SHOCK CAUSED BY MINING. FELT IN THE LIGNITE QUARRY #FORTUNA# NEAR BERGHEIM, 20 KM NW OF COLOGNE, MACROSEISMIC.										
BNS	E Z FS	PG	08 30 20.5							
	E N X	SG	08 30 24.8	0.7	2.11					
	E E X	-	08 30 25.0	0.7	2.11					
	E Z FS	-	08 30 42.-							
	E X	-	08 30 48.-	1.8	2.32					
FEB 09										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-I Z SL	-	11 11 16.-	1.5	1.36	2				
	Z SL	MAXIMUM	11 11 48.-	1.5	1.76					
MAR 05 ERL										
H= 20 06 11.9										
LAT = 51.5 N										
LONG= 7.2 E										
DEPTH= 0 KM (GEOPHYSICIST)										
GERMANY										
MAR 05 BCS										
H= 20 06 15.0										
LAT = 51.5 N										
LONG= 7.3 E										
GERMANY										
BNS= H= 20 06 14, 51 DEG. 33 MIN. N, 7 DEG. 13 MIN. E. ROCKBURST IN THE RUHR COAL DISTRICT. FELT AT HERNE. ONE MINER KILLED IN THE MINE #FRIEDRICH DER GROSSE#. MLOC= 3.3 (BNS), MLGH= 2.7 (BNS).										
BNS	-I Z FS	PG	20 06 25.3				60	0.6	0.8	180.8
	E N X	SG	20 06 34.5	0.5	3.05					
	E E X		20 06 39.2							
	E X	-	20 06 45.-	1.6	3.56					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
TNS	E Z X	PN	20 06 41.0			2	170	1.5	329.0	148.0
	E Z X	PG	20 06 47.-			3				
BUH	E Z GT	PG	20 07 00.9				330	2.9	347.2	166.4
GRF	+E Z BE	P	20 07 04.5	0.9	1.46	3	350	3.2	307.1	124.0
	E Z BE	-	20 07 16.5			2				
	E N BE	S	20 07 59.6			2				
FUR	-E Z SL	PG	20 07 59.-	1.5	1.18	2	480	4.3	323.3	140.2
	-E Z SL	SB	20 08 49.-	1.5	1.28	2				
	+E Z SL	SG	20 09 03.-	1.7	1.61	1				
	Z SL	MAXIMUM	20 09 32.-	1.9	2.09					
MAR 06										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	Z SL	MAXIMUM	10 21 17.-	1.7	1.76					
MAR 15										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	+I Z SL	-	11 11 45.-	1.2	2.00	9				
MAR 30										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	-E Z SL	-	11 11 02.-	1.4	1.52	6				
	Z SL	MAXIMUM	11 11 40.-	1.8	2.26					
APR 16										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	+I Z SL	-	11 09 23.-	1.1	1.93	1				
	Z SL	MAXIMUM	11 09 48.-	1.3	2.14					
GRF	E Z BE	PG	11 09 48.8			1				
	E N BE	SG	11 10 16.7			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
MAY 06 BCS H= 08 18 29.0 LAT = 48.3 N LONG= 9.0 E GERMANY										
STU	+E E BE	SG	08 18 44.0	0.5	2.03	5	50	0.5	195.3	15.2
BUH	-I Z GT	PG	08 18 41.9				70	0.6	125.9	306.5
GRF	E Z JM	PN	08 19 00.9			1	220	2.0	227.2	45.6
	E Z JM	PG	08 19 06.1			3				
	E E BE	SG	08 19 31.7			2				
MAY 09 NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	Z SL	MAXIMUM	11 12 14.-	1.7	2.09					
MAY 24 NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUP	+E Z SL	-	11 12 17.-	1.3	1.59	2				
	Z SL	MAXIMUM	11 12 50.-	1.9	2.25					
JUN 06 STU H= 16 22 16.5 LAT = 48.4 N LONG= 8.6 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
QUARRYBLAST NEAR SULZ/NECKAR, BADEN-WUERTTEMBERG. H= 16 22 16.526, 48 DEG. 23 MIN. 11.489 SEC. N, 8 DEG. 35 MIN. 31.944 SEC. E, CHARGE= 2T.										
BUH	+I Z GT	PG	16 22 24.0				40	0.4	133.9	320.2
GRF	E Z JM	PN	16 22 57.7			1	240	2.2	234.0	52.0
	E Z BE	PG	16 23 00.5			1				
	E E BE	SG	16 23 25.4			1				
JUN 12 NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
FUR	Z SL	MAXIMUM	11 11 51.-	1.9	2.22					
JUN 14 BCS H= 05 55 51.0 LAT = 48.7 N LONG= 9.0 E GERMANY										
STU= NEAR ROTTENBURG, NORTHERN FORELAND OF THE SWABIAN JURA. H= 05 55 51.5, 48 DEG. 29 MIN. N, 8 DEG. 56 MIN. E, DEPTH= 11 KM,ML=2.8.										
BUH	+I Z GT	PG	05 56 00.6				60	0.5	87.0	267.5
GRF	E Z BE	PN	05 56 22.0			1	200	1.8	236.6	54.9
	E Z BE	PG	05 56 27.2			1				
	E N BE	SG	05 56 50.9			1				
JUN 14 NO DETERMINATION OF EPICENTER										
BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. FELT IN THE REGION OF HAMM. H= 11 40 53, 51 DEG. 42 MIN. N, 7 DEG. 50 MIN. E, MLGH= 2.0 (BNS).										
BNS	-I Z FS	PG	11 40 08.9							
	I Z FS	SG	11 40 22.4							
	E E X		11 40 31.3		1.2	2.36				
	E E X	-	11 40 31.8		1.6	2.58				
	E Z FS	-	11 40 32.5		1.6	2.38				
JUN 20 NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	+I Z SL	-	11 11 11.-	1.3	1.79	2				
	Z SL	MAXIMUM	11 11 45.-	1.8	2.18					
JUN 23 NFB H= 11 05 03.9 LAT = 50.5 N LONG= 8.0 E DEPTH= 0 KM (GEOPHYSICIST) GERMANY										
NFB= QUARRYBLAST AT THALHEIM, SHOTPOINT NO. 22. H= 11 05 03.94, 50 DEG. 28 MIN. 36 SEC. N, 8 DEG. 00 MIN. 34.8 SEC. E, HEIGHT= 250 METERS, CHARGE= 2.94 TONS.										
TNS	+I Z B	PG	11 05 12.0			8	40	0.4	312.2	131.9

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	I Z B	SG	11 05 19.0			9				
BNS	I Z FS	PG	11 05 18.8				80	0.7	132.3	312.9
	+I N X	SG	11 05 30.5							

JUN 29 NFB
H= 15 05 00.4
LAT = 51.0 N
LONG= 9.2 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

NFB= QUARRYBLAST AT DORHEIM/HESSEN. SHOTPIONT NO. 13.
H= 15 05 00.4, 50 DEG. 57 MIN. 51.6 SEC. N, 9 DEG. 13 MIN. 9 SEC. E,
HEIGHT= 320 METERS, CHARGE= 5.4 TONS.

BNS	E Z FS	PG	15 05 24.9				140	1.3	89.2	270.8
	E N X	SG	15 05 43.3							
	E Z FS		15 06 04.-							
GRF	E Z BE	PN	15 05 33.2			4	200	1.8	315.5	134.0
	E Z BE	-	15 05 36.0			4				
	E Z BE	PG	15 05 38.5			6				
	E E BE	SG	15 06 00.4			3				

JUL 09
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I Z SL	-	11 10 18.-	1.4	1.59	2				
	Z SL	MAXIMUM	11 10 53.-	1.8	2.38					

JUL 09 NFB
H= 15 05 00.7
LAT = 51.2 N
LONG= 9.2 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

NFB= QUARRYBLAST AT LOHNE NEAR FRITZLAR/HESSEN. SHOTPIONT NO. 26.
H= 15 05 00.7, 51 DEG. 11 MIN. 21.6 SEC. N, 9 DEG. 14 MIN. 39.6 SEC. E,
HEIGHT= 345 METERS, CHARGE= 5.3 TONS.

BNS	E Z FS	PG	15 05 25.4				150	1.3	79.4	261.0
	E Z FS	SG	15 05 44.2							
	E Z FS		15 06 01.-	1.5	1.90					
GRF	E Z BE	PN	15 05 35.4			2	220	2.0	320.6	139.1
	E Z BE	-	15 05 39.6			2				
	E Z BE	PG	15 05 40.7			2				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	E N BE	SG	15 06 06.0			1				

JUL 13 STU
H= 16 14 48.1
LAT = 49.0 N
LONG= 9.4 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

QUARRYBLAST AT GROSSASPACH, BADEN-WUERTTEMBERG. H= 16 14 48.14, 48 DEG.
57 MIN. 35.28 SEC. N, 9 DEG. 22 MIN. 26.64 SEC. E, CHARGE= 10 TONS.

GRF	E Z BE	PG	16 15 15.2			3	160	1.4	239.5	58.1
	E N BE	SG	16 15 33.8			2				
FUR	Z SL	MAXIMUM	16 16 20.-	2.5	1.95		170	1.5	302.9	121.5

JUL 25
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I Z SL	-	11 11 53.-	1.4	1.92	3				

JUL 26 NFB
H= 15 05 00.6
LAT = 50.5 N
LONG= 10.0 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

NFB= QUARRYBLAST AT HILDERS/RHOEN. SHOTPIONT NO. 2.
H= 15 05 00.62, 50 DEG. 32 MIN. 33 SEC. N, 10 DEG. 02 MIN. 18.6 SEC. E,
HEIGHT= 730 METERS, CHANGE= 8.5 TONS.

GRF	E Z BE	PG	15 05 22.9			4	130	1.1	318.7	137.3
	E N BE	SG	15 05 39.7			1				
BUH	E Z GT	PN	15 05 36.3				250	2.2	31.5	212.3

JUL 27 GS
H= 10 02 09.1
LAT = 51.7 N
LONG= 6.8 E
DEPTH= 1 KM (GEOPHYSICIST)
GERMANY

BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN.

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
H= 10 02 15, MLOC= 3.3, MLGH= 2.4.										
BNS	-E Z FS	PG	10 02 25.4				30	0.8	343.1	162.8
	E Z FS	SG	10 02 33.0							
	I E X	-	10 02 35.2	0.5	3.14					
	E E X	-	10 02 38.0	1.1	3.16					
	E Z FS	-	10 02 40.0	1.0	3.18					
TNS	+E Z B	PN	10 02 42.2				200	1.8	326.1	144.8
	E Z B	SN	10 03 04.7							
BUH	E Z GT	PG	10 03 01.3				360	3.2	343.8	162.7
GRF	E Z JM	PN	10 03 04.2			1	390	3.5	307.8	124.3
	E N BF	SG	10 03 42.9			2				
FUR	-E Z SL	-	10 04 05.-	1.8	1.70	2	510	4.6	322.7	139.3
	+E Z SL	SN	10 04 20.-	1.5	1.28	1				
	Z SL	MAXIMUM	10 05 40.-	1.5	1.59					

AUG 06
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I Z SL	-	11 10 29.-	1.3	1.84	2
	Z SL	MAXIMUM	11 11 03.-	1.8	2.36	

AUG 08
NO DETERMINATION OF EPICENTER

BNS= ROCKBURST. FORESHOCK TO THE FOLLOWING. FELT AT HAMM.
H= 09 54 41, MLOC= 2.2 (BNS).

BNS	-I Z FS	PG	09 54 57.0		
	E E X	SG	09 55 10.1	0.4	1.85
	I Z FS	-	09 55 10.3		
	E Z FS		09 55 19.5	1.4	2.00
	E E X	-	09 55 19.8	1.4	2.15

AUG 08 BOC
H= 10 55 51.0
LAT = 51.7 N
LONG= 7.8 E
DEPTH= 1 KM (GEOPHYSICIST)
GERMANY

BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. 9 MINERS KILLED IN THE COAL MINE "SACHSEN" AT 1000 M DEPTH. FELT STRONGLY AT HEESSEN AND HAMM. H= 10 55 51, 51 DEG. 43 MIN. N, 7 DEG. 50 MIN. E, DEPTH= 1 KM, MLOC= 2.8, MLGH= 2.2.

BOC	-E Z B4	PN	10 55 58.8	0.4	2.50	2	50	0.4	53.2	239.7

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
	E B4	MAXIMUM	10 56 23.0	1.5	5.65					
BNS	-I Z FS	PG	10 56 07.1				100	0.9	23.4	208.9
	-I Z FS	-	10 56 08.1							
	+I E X	SG	10 56 20.9	0.9	2.45					
	I Z FS		10 56 30.-	1.5	2.70					
	E E X	-	10 56 30.0	1.3	2.78					
TNS	-E Z B	PN	10 56 17.6				170	1.5	345.6	165.2

AUG 22
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	+I Z SL	-	11 10 14.-	1.2	1.78	3
	Z SL	MAXIMUM	11 10 47.-	1.9	2.16	

AUG 25
NO DETERMINATION OF EPICENTER

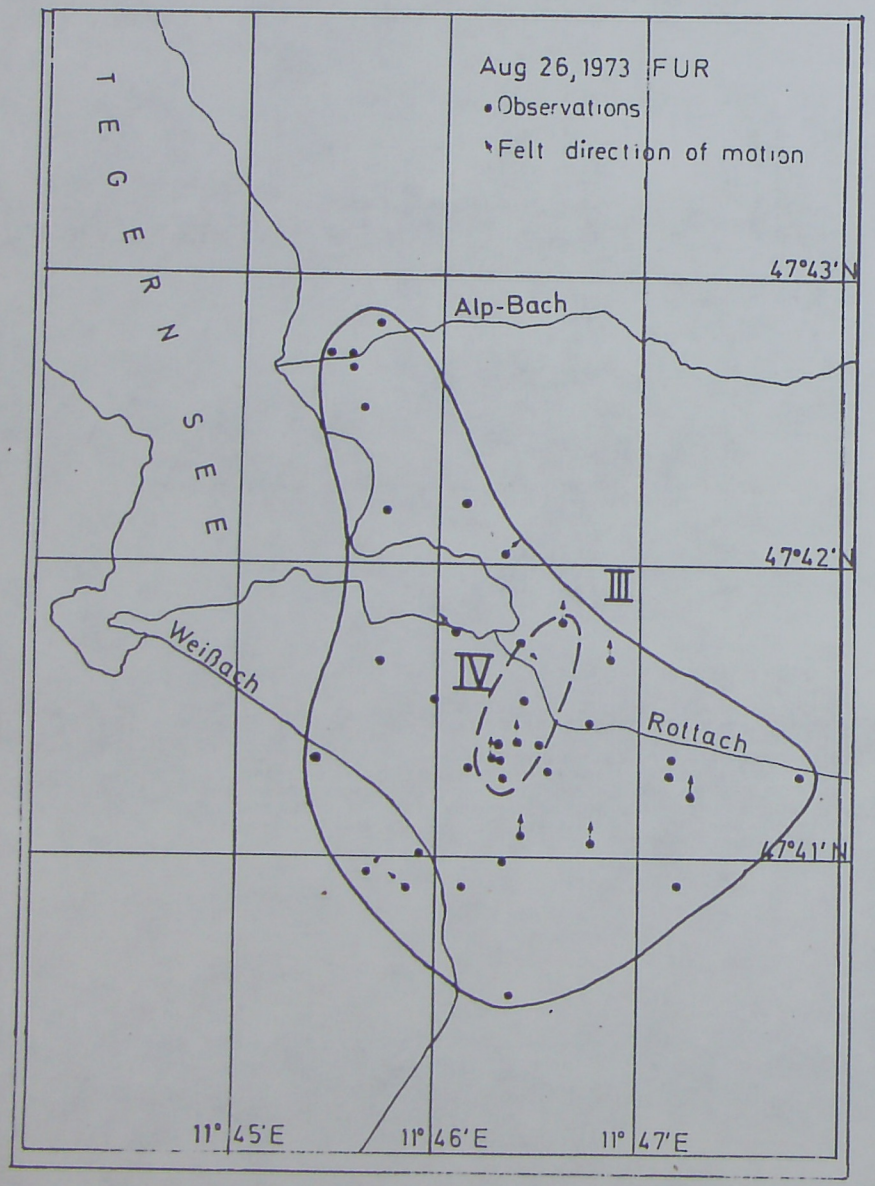
BNS= ROCKBURST. FELT WITH INTENSITY IV-V AT BRUCKHAUSEN NEAR DINSLAKEN, RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN, GERMANY. H= 13 47 43, 50 DEG. 36 MIN. N, 6 DEG. 46 MIN. E, MLOC= 2.4.

BNS	E Z FS	PG	13 47 56.5		
	E E X	SG	13 48 06.7	0.5	2.08
	E Z FS	-	13 48 08.5		
	E Z FS		13 48 18.-	2.0	1.78

AUG 26
NO DETERMINATION OF EPICENTER

FUR= H= 21 11 17, 47.69 DEG. N, 11.77 DEG. E,
DEPTH= 0-1 KM (GEOPHYSISIST), M(LOCAL)= 2,
INTENSITY= IV, R= 2 KM,
ROTTACH-EGERN/TEGERNSEE, GERMANY.
FELT AT ROTTACH-EGERN (III-IV) AND TEGERNSEE (III). FELT AREA IS RESTRICTED TO THE POSTGLACIAL SEDIMENTS OF WEISSACH, ROTTACH AND ALP-BACH. ASSUMED FOCAL MECHANISM= NE-SW STRIKE-SLIP FAULTING AT THE NORTHERN BOUNDARY OF THE EAST ALPIDIC ZONE. EASTERN PART MOVED NORTHWARD AFTER MAKROSEISMIC INVESTIGATIONS. SEE MAP BELOW.

FUR	-I Z SL	P	21 11 30.-	1.5	1.43	1
	-I Z SL	-	21 11 53.-	1.6	1.65	1
	Z SL	MAXIMUM	21 12 20.-	1.3	2.06	
GRF	E Z BE	PG	21 11 53.0			1
	E N BE	SG	21 12 18.6			2



AUG 1973

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT.	AZIMUTH EPIC.
AUG 30 NFB										
H= 15 05 00.6										
LAT = 50.5 N										
LONG= 10.0 E										
DEPTH= 0 KM (GEOPHYSICIST)										
GERMANY										
NFB= QUARRYBLAST AT HILDERS/RHOEN. SHOTPOINT NO. 2.										
H= 15 05 00.64, 50 DEG. 32 MIN. 32.4 SEC. N, 10 DEG. 2 MIN. 16.2 SEC. E,										
HEIGHT= 730 METERS, CHARGE= 8.625 TONS.										
GRF	E Z BE	PG	15 05 22.6			2	130	1.1	318.6	137.7
	E N BE	SG	15 05 39.7			2				
HOF	-I Z SL	-	15 05 23.-	1.0	2.54	9	130	1.2	281.7	100.3
	Z SL	MAXIMUM	15 05 42.-	1.5	2.52					
SEP 07 BCS										
H= 00 11 25.0										
LAT = 51.7 N										
LONG= 7.8 E										
DEPTH= 0 KM (GEOPHYSICIST)										
GERMANY										
BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. FELT IN										
THE REGION OF HAMM. MLOC= 2.5, MLGH= 2.0 (BNS).										
BOC	-I Z B4	PN	00 11 32.9	0.5	2.30	3	50	0.4	59.2	239.7
BNS	E Z FS	PG	00 11 41.0				100	0.9	28.4	208.9
	I Z FS	-	00 11 41.7							
	E E X	SG	00 11 54.0	0.8	2.04					
	E E X		00 12 03.0	1.3	2.62					
	E Z FS	-	00 12 05.0	1.5	2.43					
TNS	+E Z B	PN	00 11 52.0				170	1.5	345.6	165.2
	Z B	SN	00 12 12.0							
GRF	E Z BE	PG	00 12 12.0			1	330	3.0	314.6	131.9
	E N BE	SG	00 12 55.6			1				
BUH	E Z GT	PN	00 12 12.3				340	3.1	355.4	175.1
SEP 12										
NO DETERMINATION OF EPICENTER										
FUR= EXPLOSION AT ESCHENLOHE.										
FUR	Z SL	MAXIMUM	11 11 20.-	1.8	2.15					

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.

SEP 14
NO DETERMINATION OF EPICENTER

FUP= EXPLOSION.

NFB= QUARRYBLAST AT DORHEIM/HESSEN. SHOTPOINT NO. 13.
H= 15 05 00.83, 50 DEG. 57 MIN. 52.8 SEC. N, 9 DEG. 13 MIN. 9 SEC. E,
HEIGHT= 320 METERS, CHARGE= 3.1 TONS.

HOF	-I	Z	SL	P	15 05 18.-	1.5	2.52	5	

SEP 28
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I	Z	SL	-	11 10 38.-	1.2	1.90	8	
		Z	SL	MAXIMUM	11 11 10.-	2.0	2.50		

OCT 03
NO DETERMINATION OF EPICENTER

FUR= GERMAN-AUSTRIAN BORDER REGION. H= 10 26 37.
47.5 DEG. N, 10.7 DEG. E.

GAP	+I	Z	GT	PG	10 26 42.2	0.4			
	I	E	GT	SG	10 26 45.7				
IBK	E	Z	GT	PG	10 26 47.0				
	E	Z	GT	SG	10 26 54.3				
FUR	+I	Z	SL	P	10 26 52.-	1.5	1.59	9	
	-I	Z	SL	-	10 26 57.-	1.1	2.48	2	
		Z	SL	MAXIMUM	10 27 26.-	1.5	2.65		
GRF	E	Z	JM	PN	10 27 15.4			1	
	E	Z	BE	PG	10 27 22.1			4	
	E	N	BE	SG	10 27 43.8			2	
BUH	E	Z	GT	PN	10 27 23.4				

OCT 17
NO DETERMINATION OF EPICENTER

BNS= KOBLENZ AREA SUPPOSED, GERMANY. NO MACROSEISMIC OBSERVATIONS.
H= 20 13 16, MLOC= 2.2.

BNS	E	Z	FS	PG	20 18 26.7				
	+I	N	X	SG	20 18 34.2	0.7	2.08		
	+E	E	X	-	20 18 34.3	0.7	2.00		
BUH	E	Z	GT	PN	20 18 46.6				

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DISTANCE DEG.	AZIMUTH STAT. EPIC.

OCT 19
NO DETERMINATION OF EPICENTER

STU= NEAR ROTTENBURG, BADEN-WUERTTEMBERG, GERMANY. NORTHERN FORELAND
OF THE SWABIAN JURA. H= 09 16 06.7, 48 DEG. 32 MIN. N, 8 DEG. 55 MIN. E,
DEPTH= 8 KM, M(LOCAL)= 2.2.

BUH	E	Z	GT	PG	09 16 16.8				

OCT 13
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	+E	Z	SL	-	11 10 47.-	1.5	1.49	3	
		Z	SL	MAXIMUM	11 11 18.-	1.9	2.22		

NOV 09
NO DETERMINATION OF EPICENTER

FUR= EXPLOSION AT ESCHENLOHE.

FUR	-I	Z	SL	-	11 09 02.-	1.5	1.43	4	
		Z	SL	MAXIMUM	11 09 38.-	1.8	2.26		

DEC 05 GS
H= 14 58 12.7
LAT = 51.5 N
LONG= 7.1 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

DEC 05 BCS
H= 14 58 13.0
LAT = 51.7 N
LONG= 7.1 E
DEPTH= 0 KM (GEOPHYSICIST)
GERMANY

BNS= ROCKBURST IN THE RUHR-COAL-DISTRICT, NORDRHINE-WESTFALEN. FELT WITH
INTENSITY IV-V IN THE REGION OF MARL-SINSEN. H= 14 58 13, 51 DEG.
40 MIN. N, 7 DEG. 08 MIN. E, MLOC= 3.2, MLSH= 2.3.

ROC	-I	Z	BH	P	14 58 17.4	0.5	2.90	2	10	0.1	302.6	122.5
		Z	BH	MAXIMUM	14 58 24.7	0.7	3.78					
BNS	I	Z	FS	PG	14 58 26.9				60	0.6	354.0	173.9
	I	N	X	SG	14 58 37.1	0.6	2.93					
	E	E	X	-	14 58 37.4	0.5	2.81					
	E	E	X		14 58 48.0	1.3	2.99					
TNS	E	Z	B	PN	14 58 41.0				180	1.6	327.2	146.2

STATION ABBREV.	COMP. SEIS.	PHASE	TIME H M S	PER.	LOG. AMP.	S/N	DISTANCE KM	DEG.	AZIMUTH STAT.	EPIC.
	Z B	PB	14 58 44.6							
	E E ST	SN	14 59 04.0							
	E E ST	SB	14 59 09.6							
	E ST	SG	14 59 11.0							
BUH	E Z GT	P	14 59 02.2				330	3.0	346.0	165.1
GRF	E Z BE	PG	14 59 05.1			2	360	3.2	306.7	123.5
	E N BE	SG	14 59 55.1			2				
FUR	+E Z SL	-	15 01 53.-	1.5	1.28	3	480	4.3	322.8	139.6
	Z SL	MAXIMUM	15 02 35.-	1.7	1.91					