

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig



Geophysikalische Meßreihen

4 1976

Seismische Registrierungen

Geophysikalisches Observatorium

DDR - 7261 COLLM

Geophysical measuring series
of the
Geophysical Observatory
of the Karl-Marx-University
Leipzig

Geophysikalische Meßreihen
des Geophysikalischen
Observatoriums
der Karl-Marx-Universität
Leipzig

C O L L M

S E I S M I C
R E C O R D S

S E I S M I S C H E
R E G I S T R I E R U N G E N

4th quarter of 1976

4. Quartal 1976

L 649/78/III/18/397

SEISMOLOGICAL STATION COLIM (CIL)

GEOGRAPHICAL CO-ORDINATES: LATITUDE = 51°18.6'N; LONGITUDE = 13°00.2'E; ELEVATION = 230 m
 FOUNDATION: GREYWACKE OF ORDOVICE

SEISMOGRAPHS WITH CONSTANTS:

TYPE	COMPONENT	T_B (s)	D_B	T_E (s)	D_E	r/T_B^2	MAGNIFICATION (STATIC)	MAGNIFICATION (MAXIMAL)	RECORDING SPEED (mm/min)
BENIOFF	Z	0.452	0.65	1.43	1			(38000)	60
VSJ-II	z	2.175	0.537	0.296	1.474			55000	60
HSJ-II NS	n	2.171	0.537	0.294	1.474			60000	60
HSJ-II EW	e	2.171	0.537	0.293	1.474			58000	60
WIECHERT NS	WN	10.0	0.28			0.026	370		15
WIECHERT EW	WE	10.0	0.34			0.020	340		15
HSJ-I NS	N	20.0	0.50	1.10	9.09		1075		15
HSJ-I EW	E	20.0	0.51	1.21	8.24		1120		15
VSJ-I	V	20.0	0.51	1.20	8.35		1090		60

TIME SERVICE:

QUARTZ CLOCK (MINUTE PULSES OF 2 s AND HOUR PULSES OF 20 s; DAILY DIGITAL CONTROL; MAXIMUM ERROR ± 0.2 s)

SUPPLEMENTARY EQUIPMENTS:

- SPECIAL RECORDER WITH VARIABLE AMPLIFICATION FOR ANNOUNCED EXPLOSIONS
- PERMANENT RECORDS WITH CONSIDERABLY REDUCED SENSITIVITY FOR THE COMPLETE REGISTRATION OF STRONG EARTHQUAKES
- AUTOMATIC AMPLIFICATION OF RECORDING LIGHT FOR AMPLITUDES GREATER THAN A GIVEN LIMIT

EVALUATION:

THE FIRST LINE OF EVALUATION OF EACH EVENT CONTAINS DATE AND (FOR KNOWN FOCI) GEOGRAPHICAL REGION OF EPICENTER (MOSTLY FOLLOWING FLINN & ENGDALH 1965)

DETAILED INFORMATION, WITH RESPECT TO GEOGRAPHICAL REGION OR OTHER COMMENTS CAN BE WRITTEN ALSO HERE.

THE NEXT LINES ARE DIVIDED INTO THE FOLLOWING COLUMNS

- THE NOMENCLATURE OF THE PHASES CORRESPONDS TO THE LIST OF ISC, COMPLETED BY SOME PHASES (pP APPEARS AS AP, sP APPEARS AS XP, MULTIPLE PHASES AS P(1) FOR INSTANCE)
- TIME OF ONSET IN G.M.T.
- DIRECTION OF GROUND MOTION
- PERIODS, AMPLITUDES, AND EVENTUALLY MAGNITUDES FOR IMPORTANT ONSETS APPEAR IN THE CORRESPONDING LINE IF MEASUREMENT IS POSSIBLE;
- FOR SHORTPERIODIC WAVES IN THE SEQUENCE OF COMPONENTS z, n, e (PERIOD IN SECONDS/AMPLITUDE IN NANOMETRE)
- FOR LONGPERIODIC WAVES T, AN, AE, AV (MEAN PERIOD IN SECONDS, AMPLITUDES FOR N, E, V COMPONENTS IN MICROMETRE)
- MAGNITUDES CAN BE DETERMINED - FOR BODY WAVES THROUGH THE EARTH MANTLE (MPV, MPH, MPMV, MPMH, MPPV, MPPH, MSH)
 - FOR SHORTPERIODIC LONGITUDINAL CORE WAVES (MC)
 - FOR MAXIMUM OF SURFACE WAVES (HORIZONTAL COMPONENTS, MH)
 - FOR STRONG QUAKES SOMETIMES FROM WIECHERT RECORDS (MAG)
- HYPOCENTER DATA (LATITUDE, LONGITUDE, DEPTH, ORIGIN TIME) OF THE FOLLOWING INSTITUTIONS ARE USED IN GENERAL

- (U) U.S. NATIONAL EARTHQUAKE INFORMATION SERVICE
- (B) EUROPEAN-MEDITERRANEAN SEISMOLOGICAL CENTER
- (M) ACADEMY OF SCIENCES OF U.S.S.R., INSTITUTE OF PHYSICS OF THE EARTH
- (I) INTERNATIONAL SEISMOLOGICAL CENTER
- (A) INSTITUTE FOR METEOROLOGY AND GEODYNAMICS IN VIENNA, AUSTRIA
- (C) GEOPHYSICAL INSTITUTE OF THE CZECHOSLOVAK ACADEMY OF SCIENCES
- (G) NATIONAL OBSERVATORY OF ATHENS, GREECE
- (P) POLISH ACADEMY OF SCIENCES
- (S) SEISMOLOGICAL INSTITUTE, UPPSALA, SWEDEN

OWN COMMENTS ARE GIVEN WITHOUT MENTION OF SOURCE.

- EPICENTRAL DISTANCE D AND STATION AZIMUTH AZ ARE CALCULATED USING THE FIRST EPICENTER INDICATION AND ARE PRINTED ABOVE THESE DATA.
- D AND AZ ARE CALCULATED ACCORDING TO GEOCENTRIC CO-ORDINATES (D COMMONLY IN DEG, FOR NEAR EVENTS IN km, WITH A MAXIMUM ERROR OF ± 0.1 DEG AND ± 1 km, RESPECTIVELY; AZ IN DEG WITH A MAXIMUM ERROR OF ± 1 DEG).
- FOR COMPARISON WITH THE FIRST OWN EVALUATION "DISTANCE" AND "DEPTH" ARE GIVEN BELOW THE HYPOCENTER DATA.
- ROUND BRACKETS INDICATE UNCERTAINTIES.

NUMEROUS EXPLOSIONS AND ROCK BURSTS ARE LEAVED OUT IN THIS BULLETIN BECAUSE OF THEIR UNIMPORTANT FORCE.
 EVENTUAL INTERRUPTIONS OF RECORDS ARE INDICATED IN THE TIME SEQUENCE.
 THE COMPILATION WAS PERFORMED AT THE COMPUTER CENTER OF ZENTRALINSTITUT DER METALLURGIE, LEIPZIG.

1976 OCT 01

E 00 22 08

1976 OCT 01 TRACES/ NORTHERN SUMATRA
E P 01 58 17

D= 83.4 DEG AZ= 94
2.9N 96.1E 33KM H=01 45 52.5 (U)

1976 OCT 01 SOUTH OF FIJI ISLANDS

I PKP1 03 53 44.0D 1.0 / 77
I PKP2 53 50.9 1.0 / 42
E 54 22
E PP 57 32

D=149.9 DEG AZ= 21
22.46N 178.1W 309KM H=03 34 36.3 (U)
(24.46N 178.5W 03 33 52 (M))

1976 OCT 01

E 04 51 40

1976 OCT 01 FIJI ISLANDS REGION

I PKIKP 07 32 40.6C
I PKP1 32 51.5 1.0 / 120
I PKP2 32 55.7 0.9 / 74
I 32 20.2
I APKP 34 21.4
E SKP 35 55
I PP 36 20.7

D=147.4 DEG AZ= 19
19.76N 177.6W 384KM H=07 13 51.2 (U)
18.48N 178.1W 300KM 07 13 54 (M)
DISTANCE 147 DEG DEPTH 360 KM

1976 OCT 01 TRACES/ ASCENSION ISLAND REGION

E P 10 29 09

D= 63.2 DEG AZ=210
7.88N 13.8W 33KM H=10 18 41.1 (U)

1976 OCT 01 NEAR EARTHQUAKE

E 11 33 21

(A)

1976 OCT 01 KASHMIR-SINKING BORDER REGION

E P 11 35 52 0.9 / 18

D= 47.4 DEG AZ= 83
30.0N 77.3E 84KM H=11 27 25.3 (U)
35.2N 77.7E 11 27 17 (M)

1976 OCT 01 CERAH

E PP 12 05 03

E LH 50

D=109.9 DEG AZ= 70
3.55N 130.9E 33KM H=11 47 06.1 (U)
3.46N 131.1E 11 47 01 (M)

1976 OCT 01

E 14 11 04

1976 OCT 01

E 16 45 07

E 43 30

E 46 20

1976 OCT 01

E 17 36 34

1976 OCT 01 POLARINA

I P 17 53 10.2D 1.2 / 58

I 53 15.2

I 54 03.7

E SS 55 22

E 55 58

E 56 12

E LM 56 56 T 0 AN 1 AE 0.5 AV 0.5

E PCP 56 53

D= 10.6 DEG AZ=117
45.7N 26.5E 146KM H=17 50 43.2 (U)
48.8N 25.6E 124KM 17 50 44.1 (B)
45.8N 25.5E 120KM 17 50 39 (M)

1976 OCT 01 NORTHERN ITALY FRIULI

I PK 18 16 03.2 0.4 / 17

E SG 17 25

D= 4.7 DEG AZ=181
46.6N 12.9E 33KM H=18 14 53.4 (U)

1976 OCT 01 TRACES/ VOLCANO ISLANDS REGION

E P 23 46 25

D= 92.7 DEG AZ= 45
24.3N 142.7E 33KM H=23 35 15.7 (U)

1976 OCT 02 TURKEY

E P 10 10 55 1.3 / 42

I 11 05.4

E S 15 00

E SSSS 16 12

E LM 21 T 12 AN 0.5 AE 0.5 AV 0.5 NLH =4.3

D= 22.2 DEG AZ=112
39.5N 40.0E 40KM H=10 06 01.1 (U)
39.8N 39.8E 10KM 10 06 02.9 (B)
39.8N 40.0E 10 06 03 (M)

1976 OCT 02

E 19 40 05

1976 OCT 02

I PKP 10 36 40.3D 0.7 / 13

1976 OCT 02 10.1N SEA

I(P) 10 40 08.7D 0.8 / 14

E(S) 51 44

D= 15.4 DEG AZ=155
37.1N 21.2E 68KM H=12 45 29.4 (U)
30.8N 21.3E 10KM 12 45 24.8 (B)

1976 OCT 02 EAST OF NORTH ISLAND: H=21

E PKIKP 10 07 33

E 06 07

E PKP2 08 21

E(PP) 11 56

E SCSPKP 23.1

E SS 31.5

E LH 15 33 T 16 AN 0.5 AE 1 AV 0.5 NLH =5.0

D=161.5 DEG AZ= 34
35.15N 179.4W 34KM H=13 47 30.4 (U)
34.65N 179.7W 13 47 31 (M)

1976 OCT 02 NEW HEBRIDES ISLANDS REGION

I PKP 15 58 34.4 1.0 / 22

I 58 38.8 1.0 / 85

I 58 47.6

D=144.8 DEG AZ= 33
19.68N 173.4E 49KM H=15 39 02.0 (U)
20.08N 174.9E 15 39 00 (M)



1976 OCT 02
E P 16 16 29
E 20 37

1976 OCT 02 AEGEAN SEA
E AP 16 37 54

1976 OCT 02 NORTHERN ITALY FRIULI
E SG 17 12 22

1976 OCT 02
I P 18 03 49.7 1.0 / 23

1976 OCT 02
E 18 31 41
E 32 05

1976 OCT 02 KERMADEC ISLANDS
E PKP2 18 58 25 1.1 / 14

1976 OCT 02
I P 19 36 56.9 1.0 / 15

1976 OCT 02
E 22 07 24

1976 OCT 02 SOUTH OF KERMADEC ISLANDS
E PKP2 22 15 02
E 15 15

1976 OCT 02
I P 22 45 30.1D 0.6 / 14

1976 OCT 02
E 23 12 11
E LM 28

1976 OCT 03 AEGEAN SEA
E LM 01 03

1976 OCT 03 HINDU KUSH REGION
E P 02 52 05 0.8 / 13
E 52 13
E PP 53 51
E LM 03 14

1976 OCT 03 TRACES: NORTHERN ITALY FRIULI
E SG 04 34 44

1976 OCT 03 AUSTRIA
E PN 05 26 49
E SN 27 40
E SG 28 07

1976 OCT 03 SOUTH OF HONSHU, JAPAN
E P 05 44 44
E 45 05

1976 OCT 03 SOLOMON ISLANDS
I PKP 08 12 45.5D 1.2 / 27
I 12 57.1C

1976 OCT 03 TRACES
E 08 26 05

1976 OCT 03
E 09 38 50

1976 OCT 03
E 09 47 25

1976 OCT 03 TRACES: TIBET-INDIA BORDER REGION
E P 16 12 48

1976 OCT 03 NORTHERN ITALY FRIULI
E PN 17 51 08
E 51 59
I SG 52 27.5

1976 OCT 03 TRACES: AEGEAN SEA
E 23 14 15

1976 OCT 03
I 23 26 18.8

1976 OCT 04 TONGA ISLANDS
E 00 21 31

1976 OCT 04 TRACES: SOUTHERN SUMATERA
E P 02 36 17

1976 OCT 04 KERMADEC ISLANDS
E (PKP1) 07 10 14
E (PKP2) 10 22
E 10 41

D=1611 DEG AZ=137
38.5N 26.8E 33KM H=16 33 55.8 (U)

D=15712 DEG AZ=24
29.8S 177.4E 65KM H=18 38 06.0 (U)

D=16113 DEG AZ=34
34.9S 179.5E 32KM H=21 54 21.3 (U)
34.0S 179.3E 21 54 20 (M)

D=4214 DEG AZ=88
30.2N 091.5E 50KM H=02 44 14.7 (U)
30.0N 091.5E 02 44 12 (M)

D=413 DEG AZ=190
47.1N 11.9E 33KM H=05 25 44.9 (U)

D=85.9 DEG AZ=42
31.5N 141.5E 46KM H=05 32 04.2 (U)
32.0N 140.1E 05 32 16 (M)

D=126.1 DEG AZ=48
7.0S 115.6E 56KM H=07 53 48.0 (U)
7.0S 115.9E 07 53 44 (M)

D=21.1 DEG AZ=86
31.9N 78.8E 16KM H=15 03 43.2 (U)
32.0N 78.7E 15 03 46 (M)

D=511 DEG AZ=178
46.2N 131.2E 33KM H=17 49 51.5 (U)

D=1319 DEG AZ=138
40.2N 25.1E 58KM H=23 08 14.9 (U)
40.2N 25.2E 10KM 23 08 14.4 (B)

D=14410 DEG AZ=10
15.6S 173.3E 39KM H=00 01 30.6 (U)

D=9318 DEG AZ=94
5.3S 170.2E 30KM H=02 23 00.6 (U)
5.4S 170.7E 02 23 00 (M)

D=15718 DEG AZ=25
30.5S 177.5E 33KM H=06 50 08.8 (U)

1976 OCT 04
E 14 14 20

1976 OCT 04 SAMOA ISLANDS REGION
E PKP 14 07 03

1976 OCT 04
E 17 38 50

1976 OCT 04
E 22 34 32

1976 OCT 05 TONGA ISLANDS
I PKP 01 20 32.4D 1.2 / 80
E (APKP) 21 11

1976 OCT 05
E 03 16 16

1976 OCT 05 NORTHWEST OF MADAGASCAR
E AP 06 36 26

1976 OCT 05 NORTHERN ITALY FRIULI
E SG 07 35 50

1976 OCT 05 QUESTIONABLE EVENT
I 12 22 07.6
E 22 11

1976 OCT 05 SOUTH OF FIJI ISLANDS
I PKIP 14 03 24
I PKP1 03 31.6C 0.9 / 34
I PKP2 03 43.7 1.0 / 19
E APKP 05 33

1976 OCT 05
E 16 05 17

1976 OCT 05 KERMADEC ISLANDS
E PKP2 16 17 56 2.0 / 45
E APKP2 18 07 1.6 / 70
E PP 21 26

1976 OCT 05 NEW BRITAIN REGION
E P 18 17 58
I PKP 21 14.1 1.9 / 95
I 21 17.7C 1.2 / 105
E PP 23 00
E 24 08
E SKKS 30.0
E PKKP 31 02
E 31 57
E PS 32 55
E PPS 34 20
E 34 36
E SS 39.8
E LM 19 16 T 19 AN 2.5 AE 2 AV 3 MLH =6.1

1976 OCT 05 IRAN
E (P) 18 41 29
E 41 54

1976 OCT 05
E 20 26 40

1976 OCT 06 YELLOW SEA
I P 01 12 52.1 1.4 / 54
E 14 51
E 15 13
E LM 43 T 18 AN 3 AE 2
E L 50 T 12 AN 1.5 AE 1 AV 1.5

1976 OCT 06 TRACES
E 01 57 24

1976 OCT 06 ECUADOR
E (P) 09 25 48 2.2 / 84

1976 OCT 06
E 10 54 08

1976 OCT 06 EXPLOSION OF 8.0 TONS: CZECHOSLOVAKIA
I PG 10 59 26.6
I SG 59 42.1

1976 OCT 06 NEAR EAST COAST OF HONSHU, JAPAN
E P 11 39 50

1976 OCT 06 NEAR EAST COAST OF HONSHU, JAPAN
I P 13 50 48.8C 1.4 / 105
E 50 58
E 51 09
E 51 25
E 53 45
E PPP 55 46
E (S) 14 00 50
E 01 22
E (SSS) 10.0
E LM 27 T 15 AN 1.5 AE 1 MLH =5.6 (NO DEPTH CORRECTION)
E L 30 T 15 AV 1

D=14410 DEG AZ=10
15.6S 173.3E 39KM H=00 01 30.6 (U)

D=14610 DEG AZ=13
17.8S 174.7E 104KM H=01 01 04.1 (U)

D=6616 DEG AZ=150
10.9S 141.3E 33KM H=06 25 27.0 (U)
10.6S 141.4E 06 25 28 (M)

D=15210 DEG AZ=26
25.2S 179.7E 50KM H=13 44 33.7 (U)
DISTANCE 15.5 DEG DEPTH 500 KM

MC =4.7

D=10717 DEG AZ=24
30.4S 177.3E 15KM H=15 57 27.4 (U)
30.2S 177.6E 15 57 29 (M)

D=124.3 DEG AZ=51
6.4S 115.2E 60KM H=18 02 20 (M)
DISTANCE 12.4 DEG

D=4010 DEG AZ=103
30.1N 03.0E 48KM H=18 33 48.0 (U)
30.7N 3.9E 71KM 18 33 56.9 (B)
29.1N 03.5E 18 33 42 (M)

D=7418 DEG AZ=52
33.5N 124.3E 33KM H=01 01 11.1 (U)
33.5N 124.3E 01 01 13 (M)

D=91.7 DEG AZ=271
0.7S 173.8E 33KM H=09 12 38.9 (U)
1.0S 173.0E 09 12 39 (M)

D=117 KM AZ=195
50.2N: 12.9E (C)

D=81.3 DEG AZ=40
30.7N 141.1E 56KM H=11 27 38.2 (U)

D=8110 DEG AZ=39
37.1N 141.3E 81KM H=13 38 42.1 (U)
37.5N 141.0E 50KM 13 38 41 (M)

1976 OCT 06 17 47 55
E

1976 OCT 06 21 57 02
E

1976 OCT 06 23 55 07
E
55 15

1976 OCT 07 YUGOSLAVIA
SLOVENIA
E 00 06 32
E SG 06 41

1976 OCT 07 POLAND; UPPER SILESIA
E 01 20 17
E SG 20 26

1976 OCT 07 TRACES; NEAR N COAST OF PAPUA NEW GUINEA
(PKP) 02 31 49

1976 OCT 07 VOLCANO ISLANDS REGION
I P 04 47 32.6C 1.1 / 20
E(XP) 48 36

1976 OCT 07 SANTA CRUZ ISLANDS
E(PKP) 06 22 14

1976 OCT 07 NEAR EAST COAST OF HONSHU, JAPAN
E 07 17 13

1976 OCT 07 KERMADEC ISLANDS REGION
I PKP2 07 30 30.6C 1.4 / 37

1976 OCT 07 ASCENSION ISLAND REGION
E P 07 43 39

1976 OCT 07 04 12 25

1976 OCT 07 EXPLOSION OF 6 TONS; GERMAN DEMOCRATIC REPUBLIC
I PG 04 31 32.6
I SG 31 34.2
I 32 00

1976 OCT 07 ASCENSION ISLAND REGION
E P 10 04 41

1976 OCT 07 SOUTH OF FIJI ISLANDS
I PKP1 10 39 41.2

1976 OCT 07 NORTHEASTERN CHINA
I P 11 44 52.7C 1.1 / 24
E LM 12 12

1976 OCT 07 EXPLOSION
I PG 13 01 07.9
I SG 01 25.3

1976 OCT 07 NORTHEASTERN CHINA
E P 22 00 52

1976 OCT 07 TRACES
E 23 34 02

1976 OCT 07 FRANCE
OLERON
E P 23 48 45
E S 50 46
E SS 51 04
E 51 51
E L 52 10
E 52 30

1976 OCT 08 SOUTH OF FIJI ISLANDS
I PKP1 02 00 21.9D 0.9 / 17
E APKP 02 26

1976 OCT 08 02 29 48

1976 OCT 08 NORTHERN ITALY
E PG 08 02 39
E 02 55
E(SB) 03 36
E SG 04 01

1976 OCT 08 KOMANDORSKY ISLANDS REGION
E AP 09 34 17
E 34 38

1976 OCT 08 FIJI ISLANDS REGION
I PKP 10 30 24.0D 1.2 / 18

1976 OCT 08 EASTERN TURKEY
I P 17 17 03.5 2.1 / 98
E 17 14
E S 18 53
E L 21 16
E LM 26
E 29

D=115.8 DEG AZ=59
31.5S1142.1E 25KM H=02 12 59.8 (U)

D=94.8 DEG AZ=45
22.1N1143.2E 166KM H=04 34 29.9 (U)
22.1N1144.3E 04 34 11 (M)

D=133.6 DEG AZ=40
14.8S1105.0E 51KM H=06 03 23.4 (U)

D=82.6 DEG AZ=41
35.2N1141.1E 41KM H=07 04 48 (I)

D=158.2 DEG AZ=32
31.9S1179.5E 433KM H=07 10 48.5 (U)

D=94.9 DEG AZ=210
7.5S1131.5E 33KM H=07 33 16.3 (U)

D=10 KM AZ=311
51.57N1121.49E

D=62.4 DEG AZ=210
7.6S1131.3E 33KM H=09 54 16.4 (U)

D=150.2 DEG AZ=20
22.6S1177.4W 266KM H=10 20 20.5 (I)

D=66.5 DEG AZ=53
39.8N1118.5E 33KM H=11 33 52.1 (U)
44.1N1118.3E 11 33 55 (M)

D=88.4 DEG AZ=53
39.7N1118.3E 33KM H=21 49 51.7 (U)
39.7N1118.5E 21 49 52 (M)

D=71.5 DEG AZ=249
40.1N1121.5W 10KM H=23 45 55.1 (B)
40.0N1121.5W 23 45 54.1 (U)

D=151.4 DEG AZ=24
24.5S1179.3W 565KM H=01 41 31.4 (U)

D=61.1 DEG AZ=202
45.6N119.8E 33KM H=08 00 43.1 (U)
45.6N119.8E 08 00 42.1 (B)

D=71.3 DEG AZ=17
56.1N1104.3E 36KM H=09 22 48.9 (U)

D=145.5 DEG AZ=20
18.0S1178.5W 595KM H=16 11 51.1 (U)

D=23.2 DEG AZ=113
38.5N140.6E 23KM H=17 11 54.1 (U)
38.6N140.6E 17 11 55.7 (B)
38.8N140.4E 17 11 54 (M)

1976 OCT 08 LUZON, PHILIPPINE ISLANDS
I P 21 10 08.3 1.6 / 120
E 18 24
E 19 24
E PP 21 39
E SKS 28 28
E PS 29 38
E SS 34.5
E PKKP 36 22
E SSSS 41
E LM 22 02 T 18 AN 3 AE 6.5 AV 4.5 MLH =5.9

1976 OCT 08 23 12 11

INTERRUPTION OF ONE SHORTPERIODIC RECORD FROM 23K 30M TO 13H 07M (AT OCT 10)

1976 OCT 09 FRANCE
E 00 39 24
E SG 39 34

1976 OCT 09 NORTHERN ITALY FRIULI
E SG 00 59 36

1976 OCT 09 01 16 06

1976 OCT 09 KURILE ISLANDS REGION
I P 03 04 26.0D
I 04 31.7
E 04 41

1976 OCT 09 NORTHERN ITALY FRIULI
E SG 03 43 49

1976 OCT 09 NORTHERN ITALY FRIULI
E SG 05 02 50

1976 OCT 09 YUNAN PROVINCE, CHINA
E P 06 22 59

1976 OCT 09 WESTERN TURKEY
E PP 07 29 51

1976 OCT 09 FIJI ISLANDS REGION
I PKP1 09 49 43.8D

1976 OCT 09 COSTA RICA
E P 12 43 54
E(P) 47 34
E S 54 32
E PS 55 44
E(SSSS) 13 06.1
E LM 23 T 17 AN 2 AE 1.5 AV 2 MLH =5.7

1976 OCT 09 FIJI ISLANDS REGION
E(PKP) 15 57 29
E(APKP) 59 01

1976 OCT 09 19 10 15

1976 OCT 09 CELEBES SEA
E AP 22 22 37
E 26 08
E PP 26 31
E LM 23 13

1976 OCT 10 KURILE ISLANDS
I P 03 10 48.6D
E(P) 18 51

1976 OCT 10 CZECHOSLOVAKIA MORAVIA
E SG 10 08 44

1976 OCT 10 KURILE ISLANDS
E P 14 18 25 0.9 / 15
E 18 37

1976 OCT 10 KURILE ISLANDS
I P 14 43 57.6 1.4 / 48
E 44 20
E LM 15 23 T 13 AN 1.5 AE 1 AV 1

1976 OCT 10 POLAND; UPPER SILESIA
E SG 22 16 39

1976 OCT 10 SOUTH OF FIJI ISLANDS
I PKP1 22 48 16.6 0.8 / 15

1976 OCT 11 POLAND; UPPER SILESIA
E 02 31 58
E SG 32 07

1976 OCT 11 03 34 44

D=86.3 DEG AZ=64
18.9N1121.3E 57KM H=21 05 31.0 (U)
18.9N1121.4E 58KM 21 05 29 (M)
DISTANCE 80 DEG

D=71.9 DEG AZ=214
44.6N1161.8E 33KM H=00 35 10.4 (U)

D=78.0 DEG AZ=27
45.2N1153.5E 34KM H=02 52 26.4 (U)
45.9N1152.9E 02 52 32 (M)

D=61.1 DEG AZ=181
46.2N1121.8E 33KM H=03 41 05.2 (U)

D=71.4 DEG AZ=75
23.9N1102.5E 33KM H=06 11 38.5 (U)
23.9N1102.7E 06 11 36 (M)

D=16.5 DEG AZ=130
39.4N129.3E 0KM H=07 25 43 (I)

D=148.6 DEG AZ=19
20.9S1177.3W 498KM H=04 30 51.9 (I)

D=87.1 DEG AZ=284
10.8N185.8E 85KM H=12 31 15.8 (U)
11.5N185.8E 12 31 13 (M)

D=146.4 DEG AZ=18
18.7S1177.6W 402KM H=15 38 31.9 (U)

D=100.0 DEG AZ=70
4.4N124.8E 35KM H=22 08 44.4 (U)
4.4N125.1E 22 08 39 (M)

D=77.2 DEG AZ=29
45.3N1131.0E 38KM H=02 58 58.2 (U)
45.1N1131.5E 02 58 55 (M)

D=78.1 DEG AZ=32
43.1N147.8E 33KM H=14 06 28.4 (U)
43.3N148.0E 14 06 28 (M)

D=77.9 DEG AZ=32
43.3N147.7E 21KM H=14 31 59.9 (U)
43.4N147.6E 14 32 02 (M)

D=151.8 DEG AZ=23
24.5S1179.3W 615KM H=22 29 14.2 (I)



1976 OCT 11 NORTHERN SUMATRA
 I P 06 42 25.9D 1.8 / 130
 I 42 34.3
 E 46 35

D= 83.2 DEG AZ= 93
 8.4N 96.3E 52KM H=06 30 03.17 (U)
 8.5N 96.1E 06 30 03 (M)

1976 OCT 11
 E 07 21 17

1976 OCT 11 FIJI ISLANDS REGION
 I PKP1 08 31 07.8 0.8 / 20

D=147.2 DEG AZ= 18
 19.5S 177.4W 576KM H=08 12 26.1 (I)

1976 OCT 11
 E 09 44 23

INTERRUPTION OF ONE SHORTPERIODIC RECORD FROM 12M 37M TO 13M 01M

1976 OCT 11 FIJI ISLANDS REGION
 E PKP1 16 23 52 1.2 / 16

D=145.0 DEG AZ= 19
 17.5S 178.3W 584KM H=16 05 14.9 (I)

1976 OCT 11 NORTHERN ITALY FRIULI
 E PH 16 56 36
 E SN 59 28
 E SG 59 57

D= 4.5 DEG AZ=184
 (4.8N 12.5E) 33KM H=16 57 26.7 (U)

1976 OCT 11
 E 19 32 36

1976 OCT 11 FIJI ISLANDS REGION
 I PKP 21 21 43.7D 1.2 / 220
 E APKP 23 21
 E 25 02

D=145.7 DEG AZ= 18
 17.9S 177.4W 396KM H=21 02 49.1 (U)
 18.0S 176.9W 21 02 08 (M)

1976 OCT 11 SOUTHERN IRAN
 E 23 39 33

D= 58.6 DEG AZ=113
 27.7N 53.4E 54KM H=23 31 21.1 (U)
 27.7N 53.4E 10KM 23 31 18.4 (B)
 26.7N 53.5E 23 31 17 (M)

1976 OCT 12
 E 00 39 43

1976 OCT 12 SOLOMON ISLANDS
 I PKP 00 59 55.8 1.2 / 20
 E APKP 01 00 28
 E BKP 03 12
 E 04 02
 E SS 20.0
 E L 48

D=131.8 DEG AZ= 44
 19.5S 161.3E 106KM H=00 40 22.9 (U)
 19.6S 160.0E 100KM 00 40 (M)

1976 OCT 12 TRACES, NORTHERN ITALY FRIULI
 E SG 02 20 37

1976 OCT 12 NORTHERN ITALY FRIULI
 E SG 02 25 37

1976 OCT 12
 E 03 57 18

1976 OCT 12 SICILY
 E(P) 04 29 29
 E LM 34

1976 OCT 12 SOUTH OF HONSHU JAPAN
 I P 04 37 34.2 1.4 / 30
 E 40 51

D= 13.5 DEG AZ=180
 37.8N 131.1E 57KM H=04 26 08.0 (U)
 37.7N 131.0E 10KM 04 26 07.3 (B)

1976 OCT 12 TRACES, HINDU KUSH REGION
 I P 05 22 20.3
 E(PPP) 24 34

D= 86.2 DEG AZ= 42
 31.3N 141.7E 29KM H=04 24 54.7 (U)
 31.7N 141.4E 04 24 58 (M)

1976 OCT 12
 E 06 28 38

1976 OCT 12 NORTHERN ITALY FRIULI
 E SG 08 04 21

1976 OCT 12 NORTHERN ITALY FRIULI
 E SG 10 24 50
 E 25 50

D= 42.6 DEG AZ= 87
 36.5N 70.1E 221KM H=05 14 43.9 (U)
 37.2N 70.2E 200KM 05 14 39 (M)

1976 OCT 12 KURILE ISLANDS
 E P 11 45 22

D= 76.8 DEG AZ= 30
 45.5N 149.9E 63KM H=11 33 35.5 (U)
 45.5N 150.2E 60KM 11 33 35 (M)

1976 OCT 12 BURMA-CHINA BORDER REGION
 E P 15 30 37
 E LM 16 00 T 17 AN 2 AE 0.5 AV 0.5
 E FINAL 16 30

D= 66.7 DEG AZ= 77
 24.5N 98.8E 33KM H=15 19 33.5 (U)
 24.5N 98.9E 15 19 33 (M)

1976 OCT 12 TRACES, NORTHERN ITALY
 E SG 16 28 39

1976 OCT 12 NORTHERN ITALY FRIULI
 E SG 21 03 24

D= 6.0 DEG AZ=205
 45.8N 7.4E 0KM H=16 25 31 (I)

1976 OCT 13 TONGA ISLANDS REGION
 I PKP1 01 03 47.1 1.0 / 19

D=151.9 DEG AZ= 15
 23.8S 174.9W 33KM H=00 43 54.0 (I)

1976 OCT 13 NORTHERN ITALY FRIULI
 I PN 02 49 54.1D
 I 49 54.9 0.5 / 140
 E PG 50 15
 E 50 28
 E SN 50 50
 E 51 15
 E SG 51 21
 E LM 51 50 T 8 AN 3 AE 1.5 AV 3 MLH =4.1

D= 4.9 DEG AZ=179
 46.4N 13.1E 10KM H=02 48 40.8 (B)
 46.3N 13.1E 33KM 02 48 40.6 (U)
 46.4N 13.3E 02 48 40 (M)

1976 OCT 13 NORTHERN ITALY FRIULI
 I PN 07 41 02.6 0.6 / 20
 E PG 41 20
 E SN 41 56
 E 42 01
 E SG 42 24
 E 42 32

D= 4.6 DEG AZ=181
 (46.7N 12.9E) 33KM H=07 39 53.0 (U)

1976 OCT 13
 E 18 49 39

1976 OCT 13 TONGA ISLANDS
 E PKP1 22 28 32 1.7 / 32

D=149.8 DEG AZ= 14
 21.5S 174.3W 61KM H=22 08 46.2 (U)

1976 OCT 14 MONGOLIA
 E(P) 03 28 56

D= 51.6 DEG AZ= 63
 45.2N 93.9E 33KM H=03 19 53.4 (U)
 45.2N 93.9E 03 19 53 (M)

INTERRUPTION OF SOME RECORDS FROM 06M 45M TO 11M 20M

1976 OCT 14 TRACES, EXPLOSION
 I PG 10 09 08.3
 I SG 09 22.3

1976 OCT 14 EXPLOSION
 I PN 11 00 01.3
 I PG 00 02.7
 I SG 00 16.4

1976 OCT 14
 E 12 18 32

1976 OCT 14 SOUTH OF FIJI ISLANDS
 I PKP1 22 00 27.1D 0.8 / 17

D=150.4 DEG AZ= 25
 24.6S 179.9E 540KM H=21 41 34.6 (U)

1976 OCT 15 NORTHERN ITALY FRIULI
 E PN 02 29 51
 E SN 30 47
 E SG 31 13

D= 5.0 DEG AZ=181
 46.3N 12.9E 33KM H=02 28 36.6 (U)

1976 OCT 15
 E 04 48 29

1976 OCT 15 NORTHERN ITALY FRIULI
 E SG 06 00 27

1976 OCT 15 EXPLOSION
 I PG 10 00 05.0
 I SG 00 20.8

1976 OCT 15 TRACES, EXPLOSION
 I PG 10 01 20.8
 I SG 01 35.7

1976 OCT 15 ROMANIA
 E SG 10 59 45

D= 9.3 DEG AZ=111
 47.2N 25.8E 10KM H=10 54 50.1 (B)
 47.2N 25.6E 150KM 10 54 42 (M)

1976 OCT 15 NORTHEAST OF TAIWAN
 E P 17 00 18
 E 00 42
 E 01 35
 E 02 28
 E 03 14
 E PP 03 30
 E 03 55
 E B 10 36
 E SS 16.0
 E 20.5
 E LM 33 T 19 AN 10 AE 0
 E L 36 T 14 AN 6.5 AE 5
 E LM 40 T 13 AV 5
 E FINAL 18 30 MLH =6.2

D= 82.3 DEG AZ= 56
 26.8N 125.6E 39KM H=16 47 57.9 (U)
 26.9N 125.9E 16 47 53 (M)
 DISTANCE 8.2 DEG

1976 OCT 15 SOUTH OF KERMADEC ISLANDS
 E PKP2 19 42 50

D=100.0 DEG AZ= 29
 33.2S 175.5W 53KM H=19 22 18.4 (U)

1976 OCT 15 MID-INDIAN RISE
 E 19 56 42

D= 82.6 DEG AZ=128
 19.5S 07.6E 33KM H=19 44 05 (I)
 19.6S 08.7E 19 44 10 (M)

1976 OCT 15 VIRGIN ISLANDS
 E P 20 01 36

D= 67.7 DEG AZ=273
 18.9N 04.5W 45KM H=19 50 42.0 (U)

1976 OCT 15 NORTHERN ITALY FRIULI
 E(SG) 23 09 14

1976 OCT 15 IRAN I P 23 10 26.1 1.2 / 31 E PP 11 50 E LM 26 T 14 AN 1.5 AE 1 E LM 28 T 16 AV 1.5	D= 35.9 DEG AZ=111 30.0N 52.0E 8KM H=23 03 26.1 (U) 30.2N 52.0E 53KM H=23 03 34.2 (B) 29.8N 52.0E 23 03 24 (H)	1976 OCT 18 IRAN I P 10 27 12.4C 1.0 / 25 E PP 28 40 E LM 42 T 14 AN 1 AE 0.5 E LM 43 T 16 AV 0.5	D= 35.8 DEG AZ=111 30.1N 52.0E 20KM H=10 20 12.0 (U) 30.0N 52.0E 10KM 10 20 12.7 (B) 29.0N 51.9E 10 20 06 (M)
1976 OCT 15 23 30 18		1976 OCT 18 FIJI ISLANDS REGION I PKP1 12 08 27.9	D=146.6 DEG AZ= 20 19.1S 173.5W 587KM H=11 49 50.3 (U)
1976 OCT 16 VOLCANO ISLANDS REGION E P 01 19 29		1976 OCT 18 KERMADEC ISLANDS REGION E PKP2 12 23 43	D=158.0 DEG AZ= 29 31.2S 179.2W 97KM H=12 03 25.1 (U)
1976 OCT 16 02 26 15		1976 OCT 18 GERMAN DEMOCRATIC REPUBLIC I PG 20 44 47.1 I SG 45 08.1	DISTANCE 170 KM
1976 OCT 16 NORTHERN ITALY E 04 59 26	FRIULI	1976 OCT 18 FIJI ISLANDS REGION I PKP1 20 46 42.9D 1.0 / 42 I PKP2 46 48.4	D=148.7 DEG AZ= 21 21.3S 178.7W 498KM H=20 27 52.1 (U)
1976 OCT 16 BURMA-INDIA BORDER REGION E P 07 23 42		1976 OCT 19 TRACES E 00 56 33	
1976 OCT 16 08 36 25		1976 OCT 19 NORTHERN ITALY E P 08 32 46.4 I 33 12.8 E SN 33 43 E 34 08 E SG 34 11	FRIULI
1976 OCT 16 NORTHERN ITALY E SG 13 29 20	FRIULI	1976 OCT 19 KERMADEC ISLANDS E PKP2 09 46 10 E APKP2 46 21	D= 4.7 DEG AZ=181 (66.0N 12.9E) 33KM H=08 31 36.2 (U)
1976 OCT 16 FIJI ISLANDS REGION I PKP1 13 50 52.3C 0.7 / 13		1976 OCT 19 FIJI ISLANDS REGION E PKIP 13 14 02 C I PKP1 14 03.4D 1.0 / 91 E APKP 16 26	D=137.7 DEG AZ= 24 30.3S 177.3W 41KM H=09 25 45.0 (U)
1976 OCT 16 NORTHERN ITALY E SG 22 06 20		1976 OCT 19 SOUTH OF HONSHU JAPAN E P 17 54 00 C 1.4 / 57 E(AP) 54 12 E 57 34 E S 18 04 36 E LM 36	D=145.9 DEG AZ= 19 18.2S 177.8W 604KM H=12 55 29.9 (U)
1976 OCT 16 / TIBET OCT 17 E P 23 34 55 E LM 00 02		1976 OCT 19 NORTHERN ITALY I PN 22 54 01.6 E SN 54 58 E SG 55 24	FRIULI
1976 OCT 17 TRACES; GREECE E P 00 25 56		1976 OCT 19 TURKEY E P 23 13 35 1.6 / 30 E 15 34	D= 4.9 DEG AZ=181 46.4N 12.9E 0KM H=22 52 47.4 (I)
1976 OCT 17 UZBEK SSR E P 03 32 35		1976 OCT 19 23 17 08	
1976 OCT 17 RAT ISLANDS; ALEUTIAN ISLANDS E P 04 11 44		1976 OCT 19 23 18 47	
1976 OCT 17 HINDU KUSH REGION E PP 06 19 54 E 21 31		1976 OCT 20 SOUTH OF KERMADEC ISLANDS E PKP2 00 30 16	D=190.0 DEG AZ= 30 33.2N 175.7W 8KM H=00 09 38.0 (U)
1976 OCT 17 NORTHERN ITALY E SG 09 55 36 E SG 56 11		1976 OCT 20 05 58 07	
1976 OCT 17 NORTHERN ITALY E SG 10 18 18	FRIULI	1976 OCT 20 UNDERGROUND EXPLOSION I P 08 05 54.4 1.3 / 26 E 06 17 E 11 25	D= 28.3 DEG AZ= 24 78.4N 54.6E 0KM H=07 59 57.7 (U) 73.4N 54.5E 0KM 08 00 00.0 (B)
1976 OCT 17 TRACES E 14 54 48		1976 OCT 20 TADZHIK-SINKIANG BORDER REGION SUPERPOSED BY A NEAR EXPLOSION E 10 45 31 E PP 46 52	D= 43.4 DEG AZ= 82 38.7N 73.5E 110KM H=10 37 12.3 (U) 38.8N 73.4E 100KM 10 37 12 (M)
1976 OCT 17 NORTHERN ITALY E(SG) 16 26 17	FRIULI	1976 OCT 20 KODIAK ISLAND REGION E P 11 52 57	D= 72.2 DEG AZ=352 56.2N 153.2W 22KM H=11 41 32.1 (U)
1976 OCT 17 TRACES; KURILE ISLANDS I P 18 23 50.5		1976 OCT 20 EXPLOSION OF 7 TONS; GERMAN DEMOCRATIC REPUBLIC I PG 13 58 18.8 I SG 58 20.4	D= 10 KM AZ=311 51.3N 12.09E
1976 OCT 17 NORTHERN ITALY E SG 20 22 24	FRIULI	1976 OCT 20 LOYALTY ISLANDS E PKP 18 50 42	D=143.4 DEG AZ= 40 29.0S 178.8E H=18 31 07.9 (U)
1976 OCT 17 NORTHERN ITALY E SG 21 04 40	FRIULI	1976 OCT 21 01 20 39	
1976 OCT 17 CRETE E(P) 21 30 46		1976 OCT 21 02 30 04	
1976 OCT 18 TRACES; CENTRAL MID-ATLANTIC RIDGE E P 00 06 50 E LM 35		1976 OCT 21 NORTHERN ITALY E SG 03 33 07	FRIULI
1976 OCT 18 SOUTH OF KERMADEC ISLANDS I PKP1 01 12 02 I PKP2 12 30.2 1.3 / 30 E APKP2 12 45 E LM 14 46 E LM 02 39	D= 75.5 DEG AZ= 26 48.2N 154.3E 33KM H=18 12 09.0 (U) D= 5.0 DEG AZ=178 46.3N 13.2E 10KM H=20 19 45.1 (U) D= 18.5 DEG AZ=146 35.1N 25.5E 71KM H=21 26 36.9 (U) 35.2N 25.7E 87KM 21 26 40.6 (B) D= 60.5 DEG AZ=244 8.5N 39.4W 33KM H=23 56 42.1 (U) D=159.9 DEG AZ= 30 33.1S 178.7W 33KM H=00 51 55.0 (U) 33.1S 179.3W 70KM 00 51 59 (M) D= 83.8 DEG AZ= 41 34.0N 141.5E 39KM H=07 17 28.1 (U)		
1976 OCT 18 04 22 31			
1976 OCT 18 OFF EAST COAST OF HONSHU JAPAN I P 07 29 54.7 1.1 / 18			



1976 OCT 21 NORTHERN ITALY FRIULI
E SG 03 37 33

1976 OCT 21 SOUTH OF KERMADEC ISLANDS
E PKP2 04 09 05

1976 OCT 21 SOUTH PACIFIC OCEAN
E PKIP 04 16 32
E PKP2 17 56
E 22 32

1976 OCT 21 DODECAESEE ISLANDS
I P 12 52 19.3
E 52 22 1.5 / 73
E 53 12

1976 OCT 21 SOUTH OF HONSHU, JAPAN
E P 13 35 12

1976 OCT 21 FOX ISLANDS, ALEUTIAN ISLANDS
I P 15 06 24.8 1.1 / 75

1976 OCT 21 FOX ISLANDS, ALEUTIAN ISLANDS
E P 15 35 08 1.2 / 76
E 25 32

1976 OCT 21
I P 17 24 03.2 1.1 / 18
E 24 07

1976 OCT 22
E 00 03 40

1976 OCT 22 NEAR COAST OF NICARAGUA
E XP 04 17 23

1976 OCT 22
E 06 35 15

1976 OCT 22
E 09 51 46
I 51 42.7
E 52 14

1976 OCT 22 LUZON, PHILIPPINE ISLANDS
I P 11 23 30.4 1.1 / 16

1976 OCT 22 IONIAN SEA
E(P) 11 26 28
E 27 30
E 29 25
E LM 30 24 T 14 AN 1.5 AE 2.5

1976 OCT 22
E 14 39 31

1976 OCT 22 SOUTH OF FIJI ISLANDS
I PKP1 16 38 48.6 1.0 / 15
E 39 02
E XPKP 39 28

1976 OCT 22 KERMADEC ISLANDS
I PKP2 16 51 37.40 1.3 / 22

1976 OCT 22 KODIAK ISLAND REGION
I P 18 46 51.20 1.9 / 66
E 47 20
E 50 20
E(S) 50 11
E LM 19 23

1976 OCT 22
E 20 17 25

1976 OCT 22
E 21 21 24
E 21 43

1976 OCT 22
I P 23 32 30.30 1.8 / 34

1976 OCT 23 TRACES, MEDITERRANEAN SEA
E 01 14 35

1976 OCT 23 TRACES, FIJI ISLANDS REGION
E PKP 01 46 13

1976 OCT 23 MEDITERRANEAN SEA
E P 05 06 25

1976 OCT 23
E 10 12 24

1976 OCT 23 NORTHEASTERN CHINA
E P 11 18 03

D=15919 DEG AZ=30
35.15N 117.87W 29KM H=03 48 32.1 (U)

D=17310 DEG AZ=207
57.45N 161.00W 33KM H=03 56 27.3 (U)

D=1814 DEG AZ=141
35.9N 127.02W 97KM H=12 48 11.8 (U)
35.8N 127.06W 97KM 12 48 12.6 (U)
35.9N 126.46W 12 47 59 (M)

D=8413 DEG AZ=42
35.1N 114.96E 33KM H=13 22 43.4 (U)

D=7618 DEG AZ=2
52.2N 116.14W 36KM H=14 54 35.6 (U)
52.1N 116.16W 14 54 34 (M)

D=7617 DEG AZ=2
52.3N 116.14W 33KM H=15 13 18.7 (U)
52.4N 116.10W 15 13 25 (M)

D=8710 DEG AZ=286
12.0N 87.9W 59KM H=04 04 24.1 (U)

D=8519 DEG AZ=65
10.9N 120.06E 33KM H=11 10 51.6 (U)
10.1N 120.06E 25KM 11 10 51 (M)

D=1213 DEG AZ=159
39.7N 181.8E 32KM H=11 23 25.8 (U)
39.7N 181.9E 46KM 11 23 29.6 (M)
40.1N 191.4E 11 23 31 (M)

D=15315 DEG AZ=21
20.75N 177.17W 102KM H=16 19 01.2 (U)

D=15616 DEG AZ=28
29.78N 179.2W 328KM H=16 31 49.7 (U)

D=7214 DEG AZ=352
56.7N 153.3W 26KM H=18 35 25.9 (U)
56.1N 152.9W 18 35 22 (M)

D=1611 DEG AZ=177
35.2N 151.9E 33KM H=01 10 59.0 (U)

D=14513 DEG AZ=20
17.85N 178.16W 566KM H=01 27 38.1 (U)

D=1617 DEG AZ=177
34.0N 151.9E 33KM H=05 02 30.6 (U)

D=8815 DEG AZ=54
39.3N 117.9E 33KM H=11 06 59.4 (U)

1976 OCT 23 TRACES, CRETE
E(P) 12 12 50

1976 OCT 23 NEW IRELAND REGION
I PKP 10 12 23.8 1.1 / 23
E APKP 12 51
E APP 14 30

1976 OCT 23 ASCENSION ISLAND REGION
E P 20 09 19 1.6 / 22

1976 OCT 23
I P 21 52 17.90 0.8 / 12

1976 OCT 23 TONGA ISLANDS REGION
E(PKP1) 23 29 21 1.2 / 19
E 29 34

1976 OCT 24 SAMAR, PHILIPPINE ISLANDS
E P 02 18 47
E XP 19 14
E(PP) 22 40

1976 OCT 24 NORTHEASTERN CHINA
E P 02 49 13

1976 OCT 24 NORTHERN ITALY FRIULI
E SG 04 13 44

1976 OCT 24 KODIAK ISLAND REGION
E P 08 47 21 1.1 / 18

1976 OCT 24 POLAND, UPPER SILESIA
E 10 08 57
I 09 19.4
E SN 09 32
I SG 09 53.3
E 09 59

1976 OCT 24
I PKP 13 53 07.80 1.5 / 32

1976 OCT 24 TRACES, NEW BRITAIN REGION
E PKP 15 04 51

1976 OCT 24 SOUTHERN IRAN
I P 16 28 35.10 1.5 / 45
E(PPP) 30 45

1976 OCT 24 CENTRAL ALASKA
E AP 17 30 47
E 31 22

1976 OCT 24 TRACES
E 20 01 20

1976 OCT 24 FRANCE, BELGIUM BORDER REGION
E 20 35 15
E PG 35 20
E 35 40
E 35 40
E SN 35 58
E SG 36 30
E 36 42

1976 OCT 24 KERMADEC ISLANDS
E PKP2 20 40 20 1.3 / 20
I APKP2 40 33.2 1.7 / 44

1976 OCT 25 TONGA ISLANDS
I PKP 02 43 44.00 1.3 / 35

1976 OCT 25 FIJI ISLANDS REGION
I PKP1 02 58 15.80 1.1 / 36

1976 OCT 25 EUROPEAN USSR
OFF COAST OF ESTHONIAN SSR
I PN 08 42 08.40 1.3 / 140
E(PG) 43 01
E SN 43 54
E 43(58)
E SB2 44 40
E SG 45 00
E LM 46 30 T 7 AN 0.5 AE 0.5 AV 0.5 MLH =4.0

1976 OCT 25
E 10 03 45

1976 OCT 25
I P 17 28 44.20 1.0 / 19

1976 OCT 25 SOUTHWESTERN RYUKYU ISLANDS
I P 22 03 34.40 0.9 / 18

D=1913 DEG AZ=147
34.2N 125.4E 81KM H=12 02 26.9 (U)

D=12219 DEG AZ=49
4.55N 153.4E 105KM H=15 53 38.5 (U)
4.55N 153.3E 100KM 15 53 36 (M)

D=0015 DEG AZ=208
5.75N 111.3W 46KM H=19 59 08.6 (U)

D=12016 DEG AZ=16
24.05N 175.3W 172KM H=23 09 41.0 (U)

D=9310 DEG AZ=65
12.7N 124.5E 72KM H=02 05 40.5 (U)
12.0N 124.6E 75KM 02 05 40 (M)

D=0816 DEG AZ=53
39.5N 118.3E 33KM H=02 38 10.9 (U)
39.7N 117.8E 02 38 11 (M)

D=1014 DEG AZ=352
58.1N 153.3W 59KM H=08 36 12.7 (U)

D=12512 DEG AZ=52
01.5N 151.2E 53KM H=14 46 00.5 (U)

D=4014 DEG AZ=109
27.0N 56.7E 48KM H=10 20 59.4 (U)
27.7N 56.7E 74KM 10 21 04.0 (M)
27.9N 56.8E 10 20 56 (M)

D=6516 DEG AZ=351
62.0N 149.1W 75KM H=17 19 53.7 (U)
61.5N 148.8W 17 19 41 (M)

D=518 DEG AZ=203
50.5N 4.0E 10KM H=20 33 28.7 (M)
50.4N 4.0E 33KM 20 33 29.1 (U)

D=15719 DEG AZ=24
30.55N 177.1W 11KM H=20 19 51.7 (U)

D=14515 DEG AZ=13
17.30N 174.9W 188KM H=02 24 28.1 (U)

D=14418 DEG AZ=17
17.05N 177.4W 570KM H=02 39 29.9 (U)

D=1010 DEG AZ=33
59.2N 23.7E 33KM H=08 39 46.4 (U)
59.3N 23.4E 10KM 08 39 46.2 (M)
59.3N 23.0E 08 39 46 (M)
DISTANCE 418 DEG

D=0311 DEG AZ=57
29.0N 125.6E 116KM H=21 51 20.1 (U)
29.7N 125.7E 21 51 07 (M)



1976 OCT 26 TRACES
E 09 28 20

1976 OCT 26 ALBANIA
INTERRUPTED BY CHANGE OF RECORDS

E (PN) 09 46 54
E SN 48 46
E 49 12
E SG 50 00

1976 OCT 26 NORTHERN ITALY FRIULI
I P 06 04 05.8
I SN 04 59.2
E SG 05 29

1976 OCT 26 KURILE ISLANDS
I P 06 11 30.1C 1.1 / 58
E 12 16
E 12 42
E 15 18

1976 OCT 26 HINDANAO, PHILIPPINE ISLANDS
I P 13 05 05.5 1.4 / 41
E AP 05 31
E 07 31
E APP 09 34
E SKS 15 35
E S 16 24
E 19 16
E PKKP 21 31
E XSS 24.2
E LM 48
E L 54
FINAL 14 30

T 19 AN 3 AE 2.5 MLM =5.9
T 20 AN 2.5 AE 2.5 AV 3

1976 OCT 26 KERMADEC ISLANDS
I PKP2 13 21 04.3

1976 OCT 26
E 18 09 13

1976 OCT 26
E 20 40 52

1976 OCT 26
E 23 23 32

1976 OCT 27 GREECE
E P 00 42 10

1976 OCT 27
E 02 13 41

1976 OCT 27 NORTHERN ITALY FRIULI
E (PG) 04 27 21
E 27 39
E LM 27 50
E SN 27 58
E SG 28 25

1976 OCT 27 TALAUD ISLANDS
E 05 12 38

1976 OCT 27 CRETE
E P 09 33 12

1976 OCT 27 NORTHERN ITALY FRIULI
E SG 10 06 35

1976 OCT 27 IONIAN SEA
E 10 18 20
E 18 46
E 19 19
E GS 20 38
E 21 38
E LM 21 56
E 22
T 14 AN 0.5 AE 1.5

1976 OCT 27 SOUTH OF FIJI ISLANDS
I PKP1 17 13 00.7C 0.9 / 17

1976 OCT 27 NORTH ISLAND, NEW ZEALAND
E PKP2 21 17 59

1976 OCT 28 NEW HEBRIDES ISLANDS
I PKP 04 56 24.2D

1976 OCT 28
E P 05 33 04

1976 OCT 28 NORTHERN ITALY FRIULI
E 06 17 30
E SN 18 08
E SG 18 32

D= 10.7 DEG AZ=151
41.7N/ 19.8E 33KM H=05 44 08.17 (U)
41.8N/ 20.0E 10KM 05 44 10.2 (M)

D= 5.13 DEG AZ=182
(46.0N/ 12.8E) 33KM H=06 02 47:0 (U)

D= 76.4 DEG AZ= 29
46.1N/150.8E 120KM H=05 59 53:0 (U)
46.5N/150.5E 120KM 05 59 53 (M)

D= 99.4 DEG AZ= 68
0.2N/126.3E 85KM H=12 51 29:7 (U)
0.1N/126.2E 80KM 12 51 28 (M)

D=158.2 DEG AZ= 24
30.98/177.3E 43KM H=13 00 37:0 (U)

D= 14.6 DEG AZ=149
38.4N/ 22.6E 33KM H=00 38 45:9 (U)
38.4N/ 22.6E 10KM 00 38 46:3 (M)

D=101.2 DEG AZ= 69
4.1N/125.5E 79KM H=04 58 47:4 (U)
4.4N/125.3E 45KM 04 58 45 (M)

D= 19.4 DEG AZ=146
34.3N/ 26.1E 58KM H=09 28 48:0 (U)
34.1N/ 25.8E 10KM 09 28 45:4 (M)

D= 12.4 DEG AZ=159
39.6N/ 18.8E 33KM H=10 14 55:3 (U)
39.7N/ 18.9E 10KM 10 14 57:2 (M)
39.5N/ 18.7E 10 14 54 (M)

D=150.5 DEG AZ= 24
24.56/179.8E 527KM H=16 53 50:8 (U)

D=102.1 DEG AZ= 48
38.08/116.1E 33KM H=20 57 14:0 (U)

D=144.6 DEG AZ= 40
20.98/169.0E 27KM H=04 30 52:5 (U)

D= 5.0 DEG AZ=175
(46.3N/ 13.6E) 10KM H=06 15 50:7 (U)

1976 OCT 28 KURILE ISLANDS
E (P) 14 18 06

1976 OCT 28 FOX ISLANDS, ALEUTIAN ISLANDS
I P 15 41 04.2

1976 OCT 28
E 17 58 19

1976 OCT 28 KURILE ISLANDS
I P 20 48 58.1C 1.1 / 60

1976 OCT 29 MID-INDIAN RISE
E P 00 51 37

1976 OCT 29
E 01 06 16

1976 OCT 29 OFF EAST COAST OF HONSHU, JAPAN
I P 01 12 41.7D 1.1 / 15

1976 OCT 29 WEST IRIAN
E P 03 06 03 3.2 / 210
E 06 25
E PKP 09 52 1.0 / 77
I PP 10 49.0
E 13 20
E SDIF 18.7
E PKKP 20 23
E 20 35
E PS 20.6
E 21 09
E 21 14
E PSPS 28.0
E LM 56
E L 04 04
FINAL 06 30

T 19 AN 33.5 AE 57
T 18 AN 43.5 AE 20 AV 47.5 MLM =7.3

1976 OCT 29 WEST IRIAN
I PKP 04 14 06.7

1976 OCT 29 NEAR COAST OF CHIAPAS, MEXICO
E AP 05 01 52
E 02 12

1976 OCT 29 POLAND, UPPER SILESIA
E 07 53 37
E SG 53 44
E 53 54

1976 OCT 29
E 11 01 38

1976 OCT 29 TRACES/ AFGHANISTAN-USSR BORDER REGION
E 15 24 49

1976 OCT 29 FIJI ISLANDS REGION
E PKP1 18 52 44

1976 OCT 29 AUSTRIA
VORARLBERG (QUESTIONABLE)
E 21 44 45
E SG 44 51

1976 OCT 30
E 00 17 37

1976 OCT 30 NEAR S. COAST OF HONSHU, JAPAN
I P 00 56 02.0C 1.0 / 17

1976 OCT 30
E 02 11 13

1976 OCT 30 TRACES
E 02 57 29

1976 OCT 30 UNDERGROUND EXPLOSION
I P 05 04 36.9D 0.8 / 15

1976 OCT 30 TSINGHAI PROVINCE, CHINA
E P 07 57 05
E PP 59 13

1976 OCT 30 NEW HEBRIDES ISLANDS
E PKP 08 25 44

1976 OCT 30 NORTHERN SUMATRA
E P 09 37 08
E AP 37 12 1.9 / 89
E 37 20
E 38 10
E PP 40 24
E SKS 47 34
E (SS) 55.5
E LM 10 20
T 18 AN 0.5 AE 1.5 AV 1 MLM =5.4

D= 77.13 DEG AZ= 32
43.9N/147.5E 33KM H=14 06 17:3 (U)

D= 76.11 DEG AZ= 1
53.0N/167.8E 50KM H=15 29 20:8 (U)

D= 74.8 DEG AZ= 26
48.0N/153.2E 140KM H=20 37 31:6 (U)
48.9N/153.4E 145KM 20 37 27 (M)

D= 76.0 DEG AZ=124
8.9S/ 67.3E 33KM H=00 39 51:6 (U)

D= 84.0 DEG AZ= 41
33.5N/141.0E 42KM H=01 00 14:2 (U)
33.5N/141.4E 01 00 11 (M)

D=115.9 DEG AZ= 62
4.5S/139.9E 33KM H=02 51 07:6 (U)
4.0S/140.3E 02 51 05 (M)
DISTANCE 117 DEG

D=115.9 DEG AZ= 63
4.7S/139.7E 24KM H=03 55 23:8 (U)
4.6S/140.3E 03 55 24 (M)

D= 88.2 DEG AZ=290
14.2N/ 92.0E 33KM H=04 48 51:7 (U)

D= 43.4 DEG AZ= 87
36.4N/ 71.2E 154KM H=15 16 39:1 (U)
37.1N/ 71.1E 140KM 15 16 39 (M)

D=145.5 DEG AZ= 20
18.0S/178.8E 639KM H=18 34 15 (U)

D= 4.5 DEG AZ=205
47.4N/ 103E 10KM H=21 42 32:0 (M)

D= 82.4 DEG AZ= 42
34.7N/139.7E 136KM H=00 43 53:9 (U)
34.7N/139.8E 00 43 42 (M)

D= 40.1 DEG AZ= 65
(50.0N/ 78.2E) 33KM H=04 57 02:5 (U)
04 57 00 (S)

D= 58.0 DEG AZ= 70
36.9N/ 95.7E 35KM H=07 47 13:2 (U)
37.2N/ 95:6E 07 47 16 (M)

D=137.6 DEG AZ= 39
14.2S/167:3E 204KM H=08 06 43:6 (U)

D= 83.1 DEG AZ= 93
8.5N/ 96.3E 14KM H=09 24 40:1 (U)
3.5N/ 96:3E 09 24 43 (M)
DISTANCE 84 DEG



1976 OCT 30 NORTHERN ITALY FRIULI
 I PN 12 30 03.4
 E PG 30 24
 E 30 28
 E 30 52
 E SN 30 59
 E SG 31 25

1976 OCT 30 ANDAMAN ISLANDS REGION
 E P 16 13 37

1976 OCT 30
 I P 18 53 08.7D

1976 OCT 30 FIJI ISLANDS REGION
 E (PKP1) 21 04 55

1976 OCT 31
 E 04 34 35

1976 OCT 31 GREECE
 E P 09 03 02
 E 03 11

1976 OCT 31 HOKKAIDO, JAPAN, REGION
 I P 12 41 51.5 1.2 / 20
 E 42 32

1976 OCT 31 NEW BRITAIN REGION
 E PKP 19 04 32
 E 05 15
 E PKKP 14 31

1976 OCT 31 NORTHEAST OF TAIWAN
 I P 19 34 15.8 1.4 / 44
 E PP 38 06
 E S 44 10
 E LM 58 T 20 AN 2 AE 2 AV 2

1976 OCT 31 POLAND, UPPER SILESIA
 E PG 19 56 22
 E 56 41
 E SN 56 49
 E 56 55
 E SG 57 15

1976 OCT 31 GERMAN DEMOCRATIC REPUBLIC
 I PG 23 36 19.7
 I SG 36 37.1
 E L 36 50

1976 OCT 31
 E 23 37 29

D= 51.0 DEG AZ=178
 46.3N:13:38 10KM H=12 28 44.6

D= 74.6 DEG AZ= 89
 12.3N: 93:6E 119KM H=16 02 10.0
 11.7N: 93:7E 16 01 57

D=148.6 DEG AZ= 17
 20.7S:176:5E 268KM H=20 45 36.1

D= 14.8 DEG AZ=149
 38.1N: 22:5E 29KM H=0E 57 31.4
 37.1N: 21:5E 10KM 08 59 28:7

D= 77.2 DEG AZ= 36
 42.2N:143:0E 62KM H=12 30 02.9
 42.9N:142:5E 12 30 04

D=121.8 DEG AZ= 55
 0.1S:148:5E 77KM H=18 45 43.9
 0.1S:147:8E 90KM 18 45 45

D= 82.7 DEG AZ= 58
 25.0N:124:4E 146KM H=19 22 07.3
 25.5N:124:8E 19 21 53

DISTANCE 150 KM

1976 NOV 01 LUZON, PHILIPPINE ISLANDS
 E P 02 19 47

1976 NOV 01 TRACES
 E 04 16 33

1976 NOV 01 HOKKAIDO, JAPAN, REGION
 E P 04 16 45
 E 17 35

1976 NOV 01 NEW BRITAIN REGION
 E PKP 07 11 51
 I 12 16.8
 E (PP) 13 41
 E 14 31
 E PKKP 21 47
 E 22 02
 E PS 23 30
 E (PPS) 25 20
 F SS 30.0
 E LM 08 06 T 20 AN 4 AE 3 AV 4.5 MLH =6.1

1976 NOV 01 TRACES
 E 19 36 45

1976 NOV 01 TRACES
 E 23 45 43

1976 NOV 01 KERMADEC ISLANDS
 E PKP2 23 59 15

1976 NOV 02
 I P 03 49 37.2D 0.8 / 19

1976 NOV 02 SOUTH OF AUSTRALIA
 E PKP 04 56 45

1976 NOV 02 TRACES
 E 06 36 39

1976 NOV 02 MID-INDIAN RISE
 I P 07 26 51.4D 1.2 / 31
 E 26 56
 E 27 16
 E 29 31
 E 30 08
 E PP 30 49
 E PPP 32 57
 E SKS 37 32
 E 38 30
 E PS 39 38
 E 44 30
 F SS 45.0
 E 45 08
 E SSS 48.7
 E LM 08 11 T 19 AN 4.5 AE 4 AV 6 MLH =6.1
 E L 16 T 16 AN 4.5 AE 2
 E L 21 T 16 AN 3 AE 3 AV 4
 E FINAL 09 30

1976 NOV 02 MID-INDIAN RISE
 E P 11 32 50 2.0 / 33
 E PP 36 48

1976 NOV 02 LAKE BAIKAL REGION
 I P 15 05 20.7 1.3 / 23
 I 05 16.7
 E (PCP) 06 32
 E 07 47
 E 09 24

1976 NOV 02 KURILE ISLANDS
 E P 19 34 16
 E (PP) 37 44

1976 NOV 02 NORTHEAST OF TAIWAN
 I P 19 41 27.7D 1.1 / 150
 I AP 42 22.8
 E PP 44 39
 E 50 39
 E (SKS) 51 30

1976 NOV 02
 E 22 37 44

1976 NOV 03 TRACES
 E 02 42 56

1976 NOV 03 OFF EAST COAST OF HONSHU, JAPAN
 E P 04 12 02

1976 NOV 03 NORTHERN SUMATERA
 E AP 07 28 21

D= 88.8 DEG AZ= 06
 15.6N:121.0E 208KM H=02 07 15.6 (U)
 15.2N:121.1E 02 06 54 (M)

D= 77.2 DEG AZ= 36
 42.2N:143.0E 63KM H=04 04 56.9 (U)
 42.3N:142.8E 04 04 55 (M)

D=122.3 DEG AZ= 54
 6.1S:149.5E 53KM H=06 53 00.3 (U)
 6.1S:149.6E 06 52 51 (M)

D=157.0 DEG AZ= 24
 29.6S:177.4W 60KM H=23 39 26.0 (U)

D=137.5 DEG AZ=115
 49.0S:124.5E 33KM H=04 37 25.9 (U)

D= 98.3 DEG AZ=127
 29.3S: 77.7E 33KM H=07 13 15.7 (U)
 29.3S: 78.0E 07 13 15 (M)
 DISTANCE 97 DEG

D= 98.3 DEG AZ=127
 29.2S: 77.8E 33KM H=11 19 14.0 (U)
 29.1S: 78.2E 11 19 14 (M)

D= 53.6 DEG AZ= 43
 56.2N:111.6E 33KM H=14 56 01.8 (U)
 56.2N:111.5E 14 55 57 (M)

D= 75.4 DEG AZ= 28
 47.1N:110.6E 33KM H=19 23 04.8 (U)
 47.4N:111.6E 150KM 19 23 06 (M)

D= 82.2 DEG AZ= 57
 26.7N:125.2E 218KM H=19 29 30.0 (U)
 27.6N:125.1E 150KM 19 29 22 (M)

D= 79.7 DEG AZ= 37
 39.6N:143.7E 10KM H=03 59 52.3 (U)
 39.9N:143.5E 03 59 57 (M)

D= 81.9 DEG AZ= 94
 4.0N: 95.1E 60KM H=07 15 47.9 (U)
 3.5N: 94.9E 07 15 42 (M)



1976 NOV 03 UNITED KINGDOM
 F SN 10 02 19
 E 02 48
 E 03 08.4
 E SG 03 40

1976 NOV 03 NORTHERN SUMATERA
 I P 10 06 57.6 1.3 / 47
 E 07 22
 E 08 73

1976 NOV 03 NORTHERN SUMATERA
 F P 11 09 20

1976 NOV 03 TRACES
 E 12 25 24

1976 NOV 03 NORTHERN ITALY FRIULI
 E SG 15 35 58

1976 NOV 03
 E 17 37 07
 E 37 16

1976 NOV 03 NORTHERN ITALY FRIULI
 E 19 43 51
 E SG 45 12

1976 NOV 04 SOUTHERN CALIFORNIA
 E 10 54 28
 E 56 18
 E L 11 30
 E L 34

1976 NOV 04 FIJI ISLANDS REGION
 I PKP1 17 03 12.70 1.1 / 32
 I PKP2 03 05.9 1.0 / 34
 E APHP 05 75

1976 NOV 04 FIJI ISLANDS REGION
 I PKKP 17 25 34.5
 I PKP1 25 23.90 1.1 / 67
 I PKP2 25 14.0 0.9 / 70
 E APHP 27 40

1976 NOV 04
 I 19 52 16.30

1976 NOV 04 WESTERN POLAND
 I PG 20 53 03.9
 I 53 18.1
 I SG 53 20.6

1976 NOV 04 TRACES
 E 02 06 38

1976 NOV 05 TRACES
 I 20 37 12.1

1976 NOV 05 UNDERGROUND EXPLOSION
 I P 24 09 00.20 1.0 / 82
 E PP 10 56

1976 NOV 05 KURILE ISLANDS
 I P 26 41 51.70 0.7 / 24

1976 NOV 05
 E 28 49 14

1976 NOV 05
 E 24 20 48

1976 NOV 05 HONSHU, JAPAN
 I P 28 09 22.70 1.9 / 56
 E AP 10 25
 E PP 12 21
 E 12 50.9

1976 NOV 06 NORTHERN ITALY FRIULI
 E SG 10 39 04

1976 NOV 06 TRACES: NEAR COAST OF GUATEMALA
 E P 12 50 25

1976 NOV 06
 E SG 14 09 41

1976 NOV 06 KURILE ISLANDS
 I P 15 12 28.10 1.3 / 22

1976 NOV 06 NORTHERN ITALY FRIULI
 E SG 15 35 13

D= 9.8 DEG AZ=290
 53.6N; 2.6W 15KM H=09 58 08.2 (U)

D= 81.9 DEG AZ= 94
 4.1N; 95.1E 20KM H=09 54 38.2 (U)
 4.2N; 95.1E 09 54 40 (M)

D= 81.9 DEG AZ= 94
 4.1N; 95.1E 13KM H=10 57 00.3 (U)
 4.2N; 95.2E 10 57 03 (M)

D= 84.6 DEG AZ=319
 33.1N;115.6W 6KM H=10 41 37.8 (U)

D=149.1 DEG AZ= 23
 21.9S;119.3W 591KM H=16 44 36.3 (U)
 DEPTH 580 KM

D=149.0 DEG AZ= 21
 21.5S;118.3W 460KM H=17 06 42.2 (U)
 DISTANCE 148.5 DEG DEPTH 520 KM

DISTANCE 220 KM

D= 50.8 DEG AZ= 38
 61.5N;112.7E 0KM H=03 59 56.7 (U)

D= 77.3 DEG AZ= 31
 44.3N;148.5E 36KM H=06 29 59.9 (U)

D= 81.4 DEG AZ= 42
 35.3N;138.5E 176KM H=07 57 24.7 (U)
 36.1N;138.1E 130KM 07 57 21 (M)

D= 5.3 DEG AZ=180
 46.0N; 13 E 33KM H=10 36 30 (I)

D= 87.8 DEG AZ=289
 13.6N; 90.6W 86KM H=12 37 42.7 (U)

D= 74.5 DEG AZ= 23
 50.0N;156.9E 33KM H=15 00 51.6 (U)
 50.2N;156.8E 70KM 15 00 56 (M)

1976 NOV 06 SZECHWAN PROVINCE, CHINA
 E P 18 15 04
 I 15 10.2 1.3 / 160
 I 15 14.6
 E PP 17 34
 E 18 05
 E S 24 08 T 14 AN 5.0 AE 2.2 MSH =6.5
 E SS 28.5
 E SSS 31.7
 E PKPKP 43 31
 E LM 45 T 20 AN 50 AE 25 AV 31 MLH =6.9

1976 NOV 06 SZECHWAN PROVINCE, CHINA
 E P 19 01 08 1.5 / 37

1976 NOV 06 TRACES
 E 19 15 41

1976 NOV 06
 E 19 27 46

1976 NOV 06 SZECHWAN PROVINCE, CHINA
 E P 20 35 75

1976 NOV 06 IONIAN SEA
 E S 21 02 26
 E (SSSS) 03 28
 E 03 23
 E L 03 21
 E L 04 22

1976 NOV 06 SOUTHERN IRAN
 E P 23 26 75 0

1976 NOV 07 FIJI ISLANDS REGION
 E PKKP 20 52 21 1.9 / 51
 I PKP1 52 26.00 1.1 / 155
 I PKP2 52 20.40 1.4 / 100
 E APHP 54 29
 E PKP 55 50

1976 NOV 07 SZECHWAN PROVINCE, CHINA
 E P 02 03 20 1.4 / 20

1976 NOV 07 IRAN
 E P 04 08 06 3.5 / 650
 T 5 AN 2.0 AE 1.6 AV 1.0 MPH =6.3 MPV =6.4
 I 08 15.0
 I 03 19
 I 08 29.9
 E PP 09 24
 E S 13 29
 E LM 26 T 16 AN 40.5 AE 15 AV 10 MLH =6.4
 E FINAL 26

1976 NOV 07 OFF EAST COAST OF KAMCHATKA
 I P 25 00 26.20 1.1 / 13

1976 NOV 07 RED SEA
 E P 06 00 57

1976 NOV 07 KERMADEC ISLANDS
 I PKP2 07 23 20.1
 E 23 35

1976 NOV 07 SZECHWAN PROVINCE, CHINA
 E P 08 24 29

1976 NOV 07 WESTERN IRAN
 I P 11 14 22.40 1.4 / 70
 E LM 38

1976 NOV 07 MINDANAO, PHILIPPINE ISLANDS
 I P(1) 17 22 25.10 1.3 / 46
 I P(2) 22 28.40 2.6 / 420
 E PP 26 26
 I SKYS 33 28
 E(S) 34 14
 E PS 35.7
 E 40 23
 E 42.2
 E LM 18 10 T 18 AN 20 AE 18.5 MLH =6.8
 E L 12 T 19 AN 6.5 AE 24 AV 31
 E FINAL 20

1976 NOV 07 MINDANAO, PHILIPPINE ISLANDS
 I P 21 02 45.70 1.8 / 90
 E 03 00

1976 NOV 07 NORTHERN ITALY FRIULI
 E SG 21 22 35

1976 NOV 08 KURILE ISLANDS
 E P 01 16 58

D= 67.8 DEG AZ= 73
 27.6N;101.1E 33KM H=18 04 08.9 (U)
 27.7N;101.1E 18 04 10 (M)
 DISTANCE 69 DEG

D= 68.0 DEG AZ= 73
 27.4N;101.1E 33KM H=18 50 11.7 (U)
 27.1N;101.4E 18 50 09 (M)

D= 68.0 DEG AZ= 73
 27.4N;101.2E 33KM H=20 24 36.1 (U)
 26.8N;101.6E 20 24 32 (M)

D= 12.2 DEG AZ=158
 39.6N; 18.9E 33KM H=20 57 08.0 (U)
 39.6N; 18.7E 10KM 20 57 06.5 (B)

D= 40.2 DEG AZ=108
 28.2N; 57.1E 33KM H=23 18 52.8 (U)
 27.8N; 56.9E 23 18 48 (M)

D=148.3 DEG AZ= 21
 20.8S;118.4W 582KM H=00 33 43.7 (U)
 22.4S;117.8W 00 32 37 (M)
 DISTANCE 148 DEG DEPTH 570 KM

D= 67.9 DEG AZ= 73
 27.5N;101.1E 33KM H=01 57 43.1 (U)
 27.5N;101.2E 01 57 43 (M)

D= 37.5 DEG AZ=100
 33.8N; 59.2E 13KM H=04 00 51.6 (U)
 33.8N; 59.2E 10KM 04 00 52.7 (B)
 33.6N; 59.3E 04 00 47 (M)
 DISTANCE 38 DEG

D= 72.5 DEG AZ= 21
 52.8N;159.3E 33KM H=04 49 10.6 (U)

D= 42.1 DEG AZ=137
 15.8N; 41.4E 34KM H=05 53 07.6 (U)

D=157.5 DEG AZ= 25
 30.2S;177.7W 33KM H=07 03 00 (I)

D= 67.9 DEG AZ= 73
 27.5N;101.1E 33KM H=08 14 01.4 (U)

D= 31.2 DEG AZ=112
 33.2N; 48.0E 51KM H=11 07 57.2 (U)
 33.3N; 48.0E 66KM 11 08 00.6 (B)
 32.7N; 47.8E 11 07 52 (M)

D= 97.6 DEG AZ= 66
 8.5N;126.4E 60KM H=17 09 06.1 (U)
 8.5N;126.4E 17 09 03 (M)
 DISTANCE 99 DEG

D= 97.4 DEG AZ= 69
 6.9N;123.9E 30KM H=20 49 13.3 (U)
 6.9N;124.0E 20 49 14 (M)

D= 5.3 DEG AZ=179
 46.0N; 13.2E 33KM H=21 20 00 (I)

D= 77.0 DEG AZ= 31
 44.4N;148.1E 47KM H=01 05 09.2 (U)



1976 NOV 08 NORTHERN ITALY FRIULI
E SG 06 29 32

1976 NOV 08 TRACES; HCLUCCA PASSAGE
E AP 07 40 08

1976 NOV 08 NEAR EAST COAST OF HONSHU, JAPAN
I P 08 31 36.5C 2.0 / 300
E AP 31 19
E 31 58
E PP 34 37
E S 41 38
E SUS 41 55
E 48 19
E 48 34
E 51.7
E(PKFPK) 57 36
F LM 09 10 T 16 AN 19 AE 8.5 AV 21 MLH =6.6

1976 NOV 08 SEA OF OKHOTSK
I P 19 18 48.7D
I 18 49.5 1.0 / 150
E AP 20 22

1976 NOV 08 MINDANAO, PHILIPPINE ISLANDS
E P 11 02 11 D 1.8 / 36
E 02 51

1976 NOV 08
F 15 11 34

1976 NOV 08
E 17 08 46

1976 NOV 08
E 18 44 46

1976 NOV 08 KERMADEC ISLANDS
E PKIP 18 49 16
E PKP1 49 26 1.2 / 16
I PKP2 49 47.1D 1.6 / 97
E 53 13
E PP 53 22

1976 JAN 08 SZECHWAN PROVINCE, CHINA
I P 25 38 79.8C

1976 NOV 09 TRACES; SOUTH PACIFIC CORDILLERA
E PKP1 03 09 30

1976 NOV 09 CENTRAL ITALY
E(PN) 09 35 50

1976 NOV 09 TONGA ISLANDS
I(PKF) 10 39 53.6 1.2 / 28
I 39 57.0 1.0 / 43
E 40 24
E 40 58
E 44 27
E PPP 46 44
E SSE 11 08
E LM 53 T 18 AN 2 AE 1.5 AV 2.5 MLH =5.9

1976 NOV 09
I P 12 39 01.2 1.1 / 16

1976 NOV 09
I P 13 38 53.9C 0.7 / 15
E 41 19

1976 NOV 09 POLAND, UPPER SILESIA
E SG 14 43 55

1976 NOV 09 CRETE
E P 16 06 21

1976 NOV 09
I P 16 36 50.6C 0.7 / 18

1976 NOV 09
E 18 39 19

1976 NOV 09 TRACES
E 18 45 38

1976 NOV 09
E 19 44 14

1976 NOV 09 NORTHERN ITALY FRIULI
E SG 21 12 32

1976 NOV 09 NORTHERN ITALY FRIULI
E SG 22 00 43

D= 5.0 DEG AZ=178
46.3N; 13.3E 0KM H=06 26 53.5 (U)

D=103.4 DEG AZ= 71
1.1N;126.1E 33KM H=07 26 02.7 (U)
1.0N;125.8E 07 26 03 (M)

D= 80.5 DEG AZ= 38
38.1N;142.2E 38KM H=08 19 27.1 (U)
38.5N;142.0E 08 19 29 (M)
DISTANCE 79 DEG

D= 73.7 DEG AZ= 51
47.4N;145.9E 402KM H=09 07 56.7 (U)
47.9N;145.4E 330KM 09 07 48 (M)

D= 97.0 DEG AZ= 07
8.9N;126.9E 142KM H=10 48 44.5 (U)
8.9N;126.2E 120KM 10 48 39 (M)

D=157.1 DEG AZ= 24
29.7S;177.3W 33KM H=18 29 24.0 (U)
29.9S;177.2W 18 29 22 (M)
DISTANCE 157 DEG

D= 67.8 DEG AZ= 73
27.6N;101.1E 33KM H=23 27 42.7 (U)
27.2N;101.5E 23 27 40 (M)

D=156.8 DEG AZ=242
56.4S;128.3W 33KM H=02 49 09 (U)

D= 7.9 DEG AZ=187
43.5N; 11.7E 33KM H=09 33 57 (U)

D=148.0 DEG AZ= 11
19.6S;173.3W 33KM H=10 20 09.7 (U)
19.1S;175.3W 10 20 15 (M)

D= 17.5 DEG AZ=149
35.7N; 4.0E 69KM H=16 02 19.6 (U)
35.7N; 4.1E 79KM 16 02 23.3 (B)

D= 5.1 DEG AZ=179
46.2N; 13.1E 33KM H=21 09 58 (U)

1976 NOV 09 TADZHIK-SINKIANG BORDER REGION
I P 22 56 59.8D 0.9 / 75
PP 50 45

1976 NOV 09 EASTERN GULF OF ADEN
E P 23 59 54

1976 NOV 10
E SG 02 14 42

1976 NOV 10 BURMA
E(P) 02 46 42

1976 NOV 10
E 10 22 11

1976 NOV 10
I P 11 29 34.3D 0.9 / 17

1976 NOV 10 NORTH ATLANTIC OCEAN
E(P) 14 57 35

1976 NOV 10 SOUTH OF FIJI ISLANDS
I PKP1 15 08 47.0C 1.0 / 57
I PKP2 08 49.6D 0.8 / 40

1976 NOV 10 MINDANAO, PHILIPPINE ISLANDS
E P 17 41 55
E LM 18 32 T 18 AN 1 AE 1

1976 NOV 10 NORTH ATLANTIC RIDGE
E P 18 37 04

1976 NOV 10
E LM 19 22

1976 NOV 10 NORTH ATLANTIC RIDGE
I P 19 35 18.6

1976 NOV 10
E 23 54 32

1976 NOV 11 TADZHIK-SINKIANG BORDER REGION
I P 12 28 35.6C 0.9 / 42
E 28 46
E(P)OR PCP 29 55
E L 46
E L 49

1976 NOV 11 SOUTH OF PANAMA
I P 03 28 58.4D 1.8 / 125
I PP 32 25
E S 39 26
E 41 32
E 04 05 T 20 AN 0.5 AE 0.5 AV 0.5 MLH =5.0
E FINAL 05

1976 NOV 11
E(P) 03 53 18
E 53 33

1976 NOV 11
E 16 27 16

1976 NOV 11 CRETE
E(P) 17 12 19

1976 NOV 11
E 17 54 09

1976 NOV 11 WINDWARD ISLANDS
F P 19 42 05

1976 NOV 12
F 00 46 51

1976 NOV 12
E P 01 00 28 1.0 / 34

1976 NOV 12 POLAND, UPPER SILESIA (QUESTIONABLE)
F SG 01 28 53

1976 NOV 12 KURILE ISLANDS
I P 05 17 47.8C 0.9 / 32

1976 NOV 12 NORTHERN ITALY FRIULI
E SG 07 53 02

1976 NOV 12 AEGEAN SEA
I(P) 09 55 02.7 1.3 / 19
E 55 17
E LM 10 00

1976 NOV 12 AEGEAN SEA
E(P) 09 59 26
E L 10 04 T 16 AN 4 AE 0
E LM 05 T 12 AN 5 AE 5.5 AV 1

D= 43.8 DEG AZ= 83
38.1N; 73.6E 156KM H=22 49 07.6 (U)
38.4N; 73.5E 135KM 22 49 02 (M)

D= 48.0 DEG AZ=129
13.3N; 49.5E 33KM H=23 51 17.1 (U)

D= 66.2 DEG AZ= 77
26.5N; 97.0E 63KM H=02 35 52.6 (U)

D= 22.8 DEG AZ=237
35.9N; 10.5W 10KM H=14 52 40.9 (B)

D=146.6 DEG AZ= 23
19.5S;179.7E 539KM H=14 50 05.2 (U)

D= 98.2 DEG AZ= 66
8.0N;126.8E 60KM H=17 28 23.0 (U)
8.5N;126.5E 17 28 24 (M)

D= 43.7 DEG AZ=265
31.7N; 40.8W 33KM H=16 29 00.7 (U)

D= 43.6 DEG AZ=264
31.5N; 40.5W 33KM H=19 27 16.0 (U)

D= 43.2 DEG AZ= 81
39.4N; 3.8E 43KM H=02 20 07.9 (U)
39.6N; 3.8E 02 20 08 (M)

D= 86.9 DEG AZ=274
5.0N; 8.2W 33KM H=05 16 15.3 (U)
5.0N; 78.5W 05 16 15 (M)

D= 17.7 DEG AZ=152
35.1N; 23.0E 33KM H=17 08 00.8 (U)
35.6N; 23.0E 10KM 17 08 00.3 (B)

D= 70.6 DEG AZ=266
12.4N; 61.3W 138KM H=19 31 43.8 (U)

D= 77.1 DEG AZ= 30
44.8N;149.3E 75KM H=05 06 02.0 (U)
44.3N;149.2E 05 05 56 (M)

D= 15.9 DEG AZ=138
38.6N; 26.7E 24KM H=09 51 10.8 (U)
38.5N; 26.8E 10KM 09 51 11.2 (B)
39.2N; 27.1E 09 51 19 (M)

D= 15.9 DEG AZ=138
38.6N; 26.7E 6KM H=09 55 33.4 (U)
38.5N; 26.8E 19KM 09 55 35.3 (B)
39.1N; 27.0E 09 55 42 (M)

Date	Location	Time	Depth (km)	D (deg)	AZ (deg)	H (km)	Other Data
1976 NOV 12	NORTHEASTERN CHINA	13 24 44.3	1.1 / 16	68.5	53	33	39.9N; 118.8E 40.3N; 118.6E
1976 NOV 12	DAFFIN BAY	14 54 59.6	1.5 / 64	40.2	332	33	72.4N; 10.2W 72.3N; 10.4W
1976 NOV 12	SOUTHERN ITALY	19 39 52		12.2	158	10	39.8N; 18.9E 39.6N; 19.0E
1976 NOV 12	SZECHWAN PROVINCE, CHINA	21 38 10.3	1.2 / 18	67.9	73	33	27.6N; 101.2E 27.3N; 101.4E
1976 NOV 12	NORTHERN ITALY FRIULI	22 24 78		146.9	19	602	19.2S; 17.7W DISTANCE 147 DEG
1976 NOV 12	FIJI ISLANDS REGION	23 20 29.7	1.0 / 76	5.0	179	10	46.3N; 13.1E 46.3N; 12.9E
1976 NOV 13	NORTHERN ITALY FRIULI	01 14 50.2	0.5 / 29	17.9	152	29	35.0N; 23.3E 34.9N; 23.3E 35.2N; 23.4E
1976 NOV 13	CRETE	06 13 55.2	1.3 / 110	247	16		49.14N; 13.75E
1976 NOV 13	TRACES, EXPLOSION; CZECHOSLOVAKIA	07 01 28.7		21.8	354	10	72.8N; 5.4E 73.0N; 5.7E 72.9N; 5.6E
1976 NOV 13	NORWEGIAN SEA	09 45 27	1.8 / 52	40.0	108	33	23.2N; 26.8E
1976 NOV 13	SOUTHERN IRAN	10 18 18		49.4	108	101	28.2N; 57.4E 28.4N; 57.4E 27.6N; 57.3E
1976 NOV 13	SOUTHERN IRAN	10 22 38.3	1.6 / 63	4.9	179	10	46.4N; 13.1E
1976 NOV 13	NORTHERN ITALY FRIULI	13 09 02	1.8 / 23	22.6	356	33	73.7N; 7.2E
1976 NOV 13	NORTHERN ITALY FRIULI	19 43 13		5.0	179	10	46.3N; 13.1E
1976 NOV 13	GREENLAND SEA	21 34 57		82.1	52	60	29.3N; 129.1E 29.2N; 129.5E
1976 NOV 13	NORTHERN ITALY FRIULI	21 40 23		144.6	40	122	21.1S; 169.3E
1976 NOV 14	RYUKYU ISLANDS	04 18 48		81.1	39	45	37.1N; 141.5E 37.2N; 141.5E
1976 NOV 14	LOYALTY ISLANDS REGION	15 10 26.5	0.8 / 13	82.1	52	60	29.3N; 129.1E 29.2N; 129.5E
1976 NOV 14	NEAR EAST COAST OF HONSHU, JAPAN	17 23 10.9	1.0 / 32	144.6	40	122	21.1S; 169.3E
1976 NOV 14	TRACES	20 26 34		81.1	39	45	37.1N; 141.5E 37.2N; 141.5E
1976 NOV 15	KURILE ISLANDS	03 05 23.4		74.8	24	49	49.3N; 155.6E 49.3N; 156.0E
1976 NOV 15	KURILE ISLANDS	03 11 19		82.3	51	59	30.0N; 130.8E 30.5N; 131.0E
1976 NOV 15	KYUSHU, JAPAN	07 18 47.6	1.1 / 19	31.1	112	49	33.2N; 137.9E 33.3N; 138.1E 32.9N; 137.9E
1976 NOV 15	WESTERN IRAN	08 09 38.8	1.2 / 37	81.6	42	30	35.3N; 139.1E
1976 NOV 15	NEAR S. COAST OF HONSHU, JAPAN	10 26 47		68.4	54	15	39.4N; 117.7E 39.6N; 117.8E DISTANCE 69 DEG
1976 NOV 15	TRACES	10 52 02		76.4	31	147	45.2N; 138.4E
1976 NOV 15	NORTHEASTERN CHINA	14 04 02.1	1.7 / 430	144.8	20	571	17.4S; 179.2W
1976 NOV 15	KURILE ISLANDS	14 25 52.1	1.0 / 68	68.0	73	33	27.4N; 101.1E
1976 NOV 15	FIJI ISLANDS REGION	15 42 27.3	1.2 / 93	42.2	136	33	15.9N; 171.9E
1976 NOV 15	CZECHOSLOVAKIA	07 42 04		145.0	20	555	17.6S; 179.0W
1976 NOV 15	TRACES; SZECHWAN PROVINCE, CHINA	11 38 19		73.4	23	112	51.0N; 126.2E 50.9N; 126.4E
1976 NOV 15	RED SEA	13 01 24		51.9	70	33	40.8N; 89.6E
1976 NOV 15	FIJI ISLANDS REGION	15 53 36.1	0.8 / 42	93.9	145	33	33.9S; 56.3E
1976 NOV 15	MID-INDIAN RISE	19 27	T 20 AN 2 AE 1.5 AV 1.5	43.3	87	233	36.5N; 71.2E 36.8N; 71.2E (210KM)
1976 NOV 15	TRACES	21 59 56		43.3	87	233	36.5N; 71.2E 36.8N; 71.2E (210KM)
1976 NOV 15	KAMCHATKA	05 44 54.0	1.9 / 77	73.4	23	112	51.0N; 126.2E 50.9N; 126.4E
1976 NOV 15	SOUTHERN SINKIANG PROV., CHINA	06 09 25		51.9	70	33	40.8N; 89.6E
1976 NOV 15	ATLANTIC-INDIAN RISE	08 35 23		93.9	145	33	33.9S; 56.3E
1976 NOV 15	EXPLOSION	12 14 26.9		43.3	87	233	36.5N; 71.2E 36.8N; 71.2E (210KM)
1976 NOV 15	AFGHANISTAN-USSR BORDER REGION	17 31 04.1	1.5 / 165	147.4	12	38	19.1S; 13.6W
1976 NOV 15	TONGA ISLANDS	02 15 28.7	1.4 / 42	147.4	12	38	19.1S; 13.6W



1976 NOV 18 SOLOMON ISLANDS
 E PKP 03 43 05 1.6 / 60
 E 43 11
 E 44 50
 E 45 13
 E (PKS) 46 28
 E SKKS 52 08
 E SKKP 56 13
 E PPS 57.0
 E SS 04 02 24
 E L 29
 E LM 38
 T 20 AN 6 AE 6 AV 6.5 MLH = 6.5
 T 18 AN 8 AE 6

1976 NOV 18 SOLOMON ISLANDS
 E PKP 04 39 26

1976 NOV 18 WEST IRIAN
 E PDIF 05 58 33
 E 58 55
 E APKP 06 02 26 0.9 / 15
 E PP 03 38
 E PPP 05 26
 E SDIF 10 44
 E PKPP 13 19
 E (PPS) 14 20
 E SS 18 43
 E SSS 23.0
 E L 46
 E LM 59
 T 18 AN 12 AE 9.5 AV 9.5 MLH = 6.6
 T 18

1976 NOV 18 SOUTHERN GREECE
 E (P) 12 13 17

1976 NOV 18 SOUTHERN GREECE
 E (P) 12 44 18

1976 NOV 18 TRACES
 E 16 10 10

1976 NOV 19 TRACES, EXPLOSION OF 10.0 TONS; CZECHOSLOVAKIA
 T PG 10 20 20.1
 E SG 20 34
 E L 20 41

1976 NOV 19 EXPLOSION
 T PG 10 57 23.1
 T 57 25.1
 T 57 53.7

1976 NOV 19 WESTERN AUSTRIA
 T PN 13 13 15.7
 T PG 13 31.8
 T SG 14 17.8

1976 NOV 19 FIJI ISLANDS REGION
 T PKP1 23 48 59.30 1.3 / 62
 T PKP2 49 03.80

1976 NOV 20 NORTHERN ITALY FRIULI
 E SG 00 04 16

1976 NOV 20 TRACES; FIJI ISLANDS REGION
 E PKP 09 19 72

1976 NOV 20 SOUTH OF FIJI ISLANDS
 T PKP1 17 55 29.20 1.2 / 37
 T PKP2 55 16.10

1976 NOV 21 NORTHERN ITALY FRIULI
 E SG 24 32 58

1976 NOV 21 SOUTH OF FIJI ISLANDS
 E PKP1 06 28 53

1976 NOV 21 FIJI ISLANDS REGION
 T PKP1 08 14 13.3

1976 NOV 21 FIJI ISLANDS REGION
 T PKP1 15 11 45.3 0.9 / 48

1976 NOV 21 NORTH OF PALMAHERA
 E P 17 48 09 1.2 / 16
 E 48 48
 E PP 52 25
 E SKKS 59 38
 E 59 22
 E LM 18 00 46
 E 36

D=128.3 DEG AZ= 48
 8.8S;156.9E 33KM H=03 24
 8.7S;157.4E 40KM H=03 24
 DISTANCE 127 DEG

D=128.4 DEG AZ= 47
 8.7S;157.3E 19KM H=04 20

D=112.9 DEG AZ= 67
 4.2S;135.1E 33KM H=05 43
 4.2S;135.5E 33KM H=05 43
 DISTANCE 112 DEG

D= 16.6 DEG AZ=146
 36.9N; 24.6E 65KM H=12 09
 36.6N; 24.5E 10KM H=12 09

D= 16.7 DEG AZ=146
 36.8N; 24.6E 63KM H=12 40
 36.6N; 24.4E 10KM H=12 40

D=108 KM AZ=128
 50.70N; 14.21E
 DISTANCE 105 KM

D= 3.7 DEG AZ=181
 47.6N; 12.9E 33KM H=13 12
 47.4N; 12.8E 13 12

D=148.0 DEG AZ= 21
 20.6S;178.5W 569KM H=23 30

D= 5.2 DEG AZ=178
 46.1N; 15.3E 0KM H=00 01

D=144.1 DEG AZ= 15
 16.1S;176.1W 425KM H=09 00

D=149.4 DEG AZ= 23
 22.2S;179.4W 594KM H=17 36

D= 152.6 DEG AZ= 22
 25.2S;177.9W 41KM H=06 08

D=146.6 DEG AZ= 16
 18.7S;176.4W 331KM H=07 55

D=145.8 DEG AZ= 19
 18.2S;178.3W 605KM H=14 53

D=102.5 DEG AZ= 68
 3.7N;128.1E 17KM H=17 34
 3.8N;128.2E 60KM H=17 34

1976 NOV 21 SWITZERLAND
 22 48 46
 D= 5.6 DEG AZ=215
 46.6N; 8.4E 10KM H=22 45

1976 NOV 22 GREECE
 (P) 10 32 28.80
 D= 14.2 DEG AZ=152
 38.4N; 21.3E 33KM H=10 29

1976 NOV 22 IONIAN SEA
 (P) 11 56 43 C
 D= 15.0 DEG AZ=158
 37.2N; 20.1E 33KM H=11 53
 37.2N; 20.1E 10KM H=11 53

1976 NOV 22
 12 07 09

1976 NOV 22 FIJI ISLANDS REGION
 PKIKP 18 26 40.5
 PKP1 26 14.50 1.2 / 125
 PKP2 26 46.90 1.5 / 96
 APKP 28 59
 MC =5.1

1976 NOV 22 POLAND, UPPER SILESIA
 SG 19 05 41

1976 NOV 23
 00 02 27

1976 NOV 23 TRACES; KERMADEC ISLANDS
 PKP2 03 31 00
 D=157.4 DEG AZ= 24
 30.1S;17.5W 33KM H=03 10

1976 NOV 23 UNDERGROUND EXPLOSION
 P 05 10 40.30 0.8 / (190) 0.6 / 00 0.8 / 105
 PN 12 09
 12 13.6
 12 28.9
 19 30
 (SS)

1976 NOV 23 NORTHERN ITALY FRIULI
 PN 07 31 41.3 0.3 / 120
 31 48.2
 32 37.2
 33 05

1976 NOV 23 TRACES
 08 27 02

1976 NOV 23 OFF EAST COAST OF KAMCHATKA
 P 10 58 09.40 1.8 / 195
 11 00 44
 LM 35 T 16 AN 1.5 AE 1 AV 1.5
 D= 73.9 DEG AZ= 21
 51.2N;19.3E 33KM H=10 46
 51.7N;19.6E 10 46

1976 NOV 23 TONGA ISLANDS REGION
 PKP1 12 15 31.6
 D=151.8 DEG AZ= 15
 23.7S;174.7W 33KM H=11 55

1976 NOV 23 EASTERN MEDITERRANEAN SEA
 P 16 34 18
 D= 19.9 DEG AZ=140
 34.7N; 28.3E 41KM H=16 29
 34.5N; 28.5E 39KM H=16 29
 33.9N; 28.1E 16 29

1976 NOV 23 SOLOMON ISLANDS
 PDIF 17 43 34
 45 54
 (PKP) 46 57
 D=125.4 DEG AZ= 49
 6.6S;154.8E 65KM H=17 27

1976 NOV 23 NORTHERN ITALY FRIULI
 E SG 19 50 07

1976 NOV 23 POLAND, UPPER SILESIA (QUESTIONABLE)
 22 32 03
 D= 3.9 DEG AZ=103
 50.3N; 18.9E H=22 29

1976 NOV 23
 22 58 78

1976 NOV 24
 E P 01 45 18
 E L 02 35
 E L 41

1976 NOV 24 EASTERN TURKEY
 T P 12 27 38.20 3.0 / 8400 (3.0 / 2000) 3.1 / 6800
 T 10 AN 15.3 AE 79.1 AV 55.5 MPH =6.9 MPH =7.0
 27 54 2.0 / (4000) 1.4 / 480 2.9 / (8300) MPH =7.2 MPH =7.2
 E 29 12
 E S 32 03 T 12 AN 253 AE 309 HSH =7.8
 T 32 15
 E L 38 T 16 AN 465 AE 250
 E LM 40 T 12 AN 315 AE 310 MLH =7.2 MAG =7.4
 E FINAL 17

1976 NOV 24 EASTERN TURKEY HEAVILY SUPERPOSED
 E P 12 42 09
 D= 24.9 DEG AZ=107
 39.2N; 44.3E 33KM H=12 36
 39.1N; 44.2E 81KM H=12 36

1976 NOV 24 EASTERN TURKEY
 E P 13 17 45
 D= 24.5 DEG AZ=108
 39.2N; 43.6E 33KM H=13 12

1976 NOV 24 EASTERN TURKEY
 E P 13 23 27
 D= 24.6 DEG AZ=108
 39.1N; 43.7E 33KM H=13 18
 39.3N; 43.9E 72KM H=13 18
 39.1N; 43.7E 13 18

1976 NOV 24
E 13 43 20

1976 NOV 24 EASTERN TURKEY
E P 13 49 20

1976 NOV 24
E 13 56 56

1976 NOV 24 EASTERN TURKEY
E P 14 16 53
F 16 53

1976 NOV 24 EASTERN TURKEY
E P 15 09 23
E 09 44

1976 NOV 24 EASTERN TURKEY
E P 15 16 26 2.3 / 100
E 16 45
E PP 17 12
E LM 27 T 18 AN 1.5 AE 2.5 MLH =5.1

1976 NOV 24 OFF EAST COAST OF KAMCHATKA
I P 16 20 19.8 1.3 / 86
F 20 54
I 21 03.2

1976 NOV 24
E 16 30 24

1976 NOV 24 EASTERN TURKEY
E 16 46 76

1976 NOV 24 EASTERN TURKEY
E P 17 07 08

1976 NOV 24
E 17 09 24

1976 NOV 24 TRACES
E 17 51 75

1976 NOV 24
E 18 36 48

1976 NOV 24 EASTERN TURKEY
E P 20 51 26 1.0 / 27
E AP 51 25
E(S) 56 20 T 14 AN 1.0 AE 1.8
E L 71 02 T 16 AN 1.0 AE 0.5
E LM 04 T 12 AN 2.0 AE 1.5 AV 2.0 MLH =5.4

1976 NOV 24 IONIAN SEA
I(P) 21 00 43.50 1.9 / 62

1976 NOV 24 NORTH ATLANTIC OCEAN
I P 22 02 30.70 1.8 / 47

1976 NOV 24 TRACES; EASTERN TURKEY
E P 23 29 75

1976 NOV 25
E 00 19 58
E 20 44
E 21 25

1976 NOV 25 MENDOZA PROVINCE, ARGENTINA
E(P) 20 45 27

1976 NOV 25 NORTHERN ITALY
I PN 21 47 44.2
F SN 48 29
E SG 49 27 FRIULI

1976 NOV 25 EASTERN TURKEY
E P 23 51 24

1976 NOV 25 ADRIATIC SEA
E PN 24 13 40
E 13 48
E(SN) 14 57
E 15 24
E 15 47
E SG 16 10
E LM 16 19
E 17 03 T 9 AN 2.0 AE 0.5 AV 2.5 MLH =4.2

1976 NOV 25 ADRIATIC SEA
E(SN) 24 32 28

D= 24.9 DEG AZ=107
39.1N; 44.2E 62KM H=13 44 04.0

D= 24.3 DEG AZ=107
39.7N; 43.7E 33KM H=14 11 19.6
39.5N; 43.8E 62KM 14 11 23.7
39.3N; 43.4E 14 11 17.7

D= 24.6 DEG AZ=107
39.2N; 43.7E 41KM H=15 04 04.3
39.2N; 43.8E 62KM 15 04 08.8
39.1N; 43.7E 15 04 02.0

D= 25.0 DEG AZ=107
39.0N; 44.2E 40KM H=15 11 05.4
39.0N; 44.2E 61KM 15 11 09.2
39.0N; 44.2E 15 11 05.2

D= 73.7 DEG AZ= 20
52.0N; 161.4E 33KM H=16 09 18.0
52.0N; 161.6E 16 09 17.7

D= 24.5 DEG AZ=107
39.3N; 43.7E 62KM H=16 41 12.9
43.7N; 44.0E 16 41 09.9

D= 25.0 DEG AZ=107
39.0N; 44.2E 55KM H=17 02 09.9
38.8N; 44.0E 17 02 05.5

D= 24.8 DEG AZ=107
39.1N; 44.0E 46KM H=20 46 06.0
39.1N; 4.1E 72KM 20 46 10.5
39.1N; 44.1E 20 46 05.5
DISTANCE 25 DEG

D= 15.0 DEG AZ=107
37.2N; 40.3E 33KM H=20 57 05.5
37.2N; 40.3E 10KM 20 57 05.3

D= 55.7 DEG AZ=282
33.0N; 41.5W 33KM H=21 50 54.6
33.7N; 41.3W 21 50 59.4

D= 25.4 DEG AZ=110
38.0N; 43.7E 33KM H=23 24 07.5

D=110.6 DEG AZ=242
33.8S; 68.2W 33KM H=00 30 51.1

D= 5.0 DEG AZ=178
46.3N; 43.2E 1KM H=01 46 26.0
46.2N; 43.1E 33KM 01 46 27.4

D= 24.7 DEG AZ=104
40.1N; 44.9E H=03 46 24

D= 9.0 DEG AZ=160
42.8N; 47.2E 33KM H=04 11 27.4
42.8N; 47.3E 10KM 04 11 27.1
42.9N; 47.2E 04 11 29.7

D= 8.9 DEG AZ=159
42.9N; 47.4E 10KM H=04 28 22.2

1976 NOV 25 TRACES
E 24 42 52.1

1976 NOV 25 COSTA RICA
E P 26 58 05.90 1.8 / 62

1976 NOV 25 EASTERN TURKEY
E P 29 54 49 2.6 / 150
E 55 09
E 59 30
E 10 06 T 14 AN 1.0 AE 1.0 AV 1.5 MLH =5.0
E 08 T 14 AN 1.0 AE 2.0 AV 3

1976 NOV 25
E 11 06 55

1976 NOV 25
E 11 14 57

1976 NOV 25 FIJI ISLANDS REGION
E PKPKP 14 25 05.80 1.5 / 160
E PKP1 25 29.00
E PKF2 25 21.80 1.4 / (2500)
E APPP 27 13
E SKP 28 27.0
E PKS (JP PP) 28 23.7
E 29 00.5
E SKKS 35 06.8
E SKKP 36 09
E SKSP 38 34
E SS 39 12
E 47.4

1976 NOV 25 COLOMBIA
E P 15 11 55

1976 NOV 25 KERMADEC ISLANDS REGION
E PKP1 16 32 08
E PKP2 32 26

1976 NOV 25 CARLSBERG RIDGE
E(P) 17 03 48 1.7 / 23

1976 NOV 25 TRACES; WEST CHILE RISE
E PKP 20 43 32
E LM 21 31 T 22 AN 1.0 AE 2.0 AV 2

1976 NOV 25 HOKKAIDO, JAPAN, REGION
E P 22 57 32

1976 NOV 26 KERMADEC ISLANDS
E PKP1 00 55 14 1.3 / 18
E PKP2 55 22.8 1.2 / 33

1976 NOV 26 SOUTH OF PANAMA
E P 06 40 27

1976 NOV 26 NEW BRITAIN REGION
E PKP 10 11 36.6 0.9 / 15

1976 NOV 26 OFF COAST OF NORTHERN CALIFORNIA
I P 11 31 41.30 1.6 / 110
E 31 51
E 32 34
E PP 34 45
E PPPP 38 21
E S 41 02 T 14 AN 6.5 AE 3.0 MSH =6.5
E PS 42 28
E SS 47 26
E(SSSS) 51.5
E 57.0
E L 12 07 T 20 AN 35.0 AE 47.5 AV 65
E LM 10 T 16 AN 47.0 AE 75.0 AV 59 MLH =7.0
E FIAL 14 30

1976 NOV 26 EASTERN TURKEY
E 12 26 55

1976 NOV 26
E 19 13 25
E 21 14 58

1976 NOV 26
E 20 24 09

1976 NOV 26
E P 20 35 51.0 1.2 / 22

1976 NOV 26 EASTERN TURKEY
E(P) 22 43 20

1976 NOV 27 FIJI ISLANDS REGION
E PKPKP 04 13 43
E PKP1 18 44.60 1.0 / 110
E 19 08
E APPP 04 21 31
E 21 12

D= 87.3 DEG AZ=282
9.7N; 84.7W 45KM H=06 49 22.2 (U)

D= 29.1 DEG AZ=107
39.0N; 44.3E 34KM H=09 49 26.9 (U)
38.9N; 44.3E 63KM 09 49 31.2 (M)
38.9N; 44.3E 09 49 21.1 (M)
DISTANCE 25 DEG

D=147.2 DEG AZ= 19
19.5S;177.7W 442KM H=14 36 35.4 (U)
19.0S;178.7W 500KM 14 36 44.4 (M)
DISTANCE 147 DEG DEPTH 430 KM

D= 85.8 DEG AZ=201
4.2N; 75.5W 197KM H=14 59 32.7 (U)

D=156.3 DEG AZ= 23
28.9S;17.5W 76KM H=16 12 12.3 (U)

D= 69.8 DEG AZ=120
1.3S; 67.7E 33KM H=16 52 35.3 (U)
0.6S; 68.1E 16 52 41.1 (M)

D=127.6 DEG AZ=252
18.9S; 41.5W 33KM H=20 24 29.5 (U)

D= 77.3 DEG AZ= 38
41.2N;140.9E 20KM H=22 45 37.0 (U)

D=156.7 DEG AZ= 24
29.4S;177.5W 33KM H=08 35 11.0 (U)
29.0S;177.0W 75KM 08 35 14.1 (M)

D= 89.3 DEG AZ=278
5.4N; 62.6W 33KM H=08 27 10.9 (U)

D=121.2 DEG AZ= 55
5.6S;148.2E 191KM H=09 53 05.3 (U)
5.9S;148.1E 09 52 46.1 (M)

D= 81.0 DEG AZ=330
41.3N;125.7W 15KM H=11 19 25.2 (U)
41.5N;126.1W 11 19 28.1 (M)
DISTANCE 31 DEG

D= 24.9 DEG AZ=107
39.2N; 44.2E 45KM H=12 20 54.7 (U)
39.0N; 43.6E 12 20 51.1 (M)

D= 24.8 DEG AZ=108
39.0N; 43.8E 45KM H=22 37 56.6 (U)
39.2N; 44.0E 22 37 59.1 (M)

D=145.4 DEG AZ= 20
17.9S;178.8W 576KM H=04 00 09.7 (U)
18.0S;177.4W 03 59 09.1 (M)



1976 NOV 27 CENTRAL MID-ATLANTIC RIDGE
E P 04 44 24 1.7 / 43
E S 52:10
E 05 01

1976 NOV 27 TRACES! HONSHU, JAPAN
E P 06 29 27

1976 NOV 27 SOUTH OF FIJI ISLANDS
I PKP1 12 32 51:0 0.9 / 22
I PKP2 32 58:3 0.9 / 19
E APKP 35 07

1976 NOV 27 IONIAN SEA
E P 15 49 10
E 40 10

1976 NOV 27 IONIAN SEA
I(P) 16 48 23:06 1.4 / 13

1976 NOV 27 AFGHANISTAN-USSR BORDER REGION
I P 21 49 55:06 1.6 / 1500 1.6 / 410 (1.8) / 1000 MPV = 6.3 MPH = 6.4
E 50 09
E AP 50 30
E XP 50 57
I PP 51 39 1.4 / 110 T 3 AN 0.15 AE 1.3 AV 2.7 MPPV = 5.2 MPPH = 6.2 MPPV = 6.4
E 52 14
E PPPP 52 36
I 54 42
E S 56 12
E XS 57 10
E SS 59:1
E 59:10

1976 NOV 28 NORTHERN YUGOSLAVIA
E SG 03 58 43
E 57 05

1976 NOV 28 TRACES! IONIAN SEA
E(P) 10 02 01

1976 NOV 28 HOKKAIDO, JAPAN, REGION
I P 15 05 14:5 1.0 / 20

1976 NOV 28 IONIAN SEA
I P 11 28 49:40 1.4 / 35
I PP 28 50:0 1.5 / 175
E 33 04
E L4 30

1976 NOV 28 TRACES! UZBEK SSR
E P 20 46 40

1976 NOV 29
E SG 00 42 42

1976 NOV 29 NORTHERN ITALY FRIULI
E SG 04 29 01

1976 NOV 29 HOKKAIDO, JAPAN, REGION
I P 06 27 44:5 1.2 / 32
E AP 28 00

1976 NOV 29 NIHOARD ISLANDS
E AP 13 14 09

1976 NOV 29 CRETE
E P 17 29 25

1976 NOV 29 NEAR EAST COAST OF KAMCHATKA
E AP 1- 56 21

1976 NOV 29 NORTHERN ITALY FRIULI
E PH 21 00 05
I SH 01 01:0
I SG 01 27:0

1976 NOV 30 CHILE-BOLIVIA BORDER REGION
E P(1) 00 54 30
I P(2) 54 44 2.3 / 900
I AP 55 00 T 15 AN 2.0 AE 4.6 AV 13.5 MPV = 7.0
I PP 58 45:9 T 12 AN 5.0 AE 8.7 AV 16.0 MPPH = 7.6 MPPV = 7.6
I 56 58:0
E 59 15
E SKS 01 05 12
E S 06 05
E(S) 07 40 T 15 AN 47 AE(112) AV 24.5 MSH = 8.1
E(PP) 08 22
I PKKP 10 55:0
I PKKP 11 19:7
E 11 45
(CONT:) 11 57

D= 80:1 DEG AZ=227
1:0N1 26:4W 33KM H=04 34 18:14 (CONT:)
1:2N1 26:4W 04 34 19

D= 80:0 DEG AZ= 42
30:8N1138:2E 220KM H=06 17 41:11
E(SS) 13:0
E PKPPP 19 14
E LH 37
E L 47

D=149:6 DEG AZ= 24
22:58N179:6W 585KM H=12 14 05:15

D= 14:7 DEG AZ=157
37:5N1 20:1E 33KM H=15 36 41:14

D= 15:0 DEG AZ=158
37:2N1 20:1E 33KM H=18 44 45:14
37:3N1 20:2E 10KM 18 44 45:13

D= 43:2 DEG AZ= 87
36:5N1 71:0E 190KM H=21 42 12:12
37:0N1 71:0E 180KM 21 42 06
DISTANCE 46 DEG DEPTH 175 KM

D= 14:8 DEG AZ=157
37:4N1 20:1E 33KM H=09 58 26:16 (1)

D= 77:3 DEG AZ= 38
41:1N1140:7E 13KM H=12 53 24:0 (1)
41:1N1140:7E 12 53 26 (1)

D= 14:9 DEG AZ=157
37:3N1 20:3E 24KM H=19 25 17:3 (1)
37:5N1 20:4E 10KM 19 25 18:7 (1)
37:4N1 20:2E 20KM 19 25 17 (1)

D= 36:4 DEG AZ= 87
40:2N1 63:8E 33KM H=20 39 39:0 (1)
40:2N1 63:9E 20KM 20 39 37 (1)

D= 4:9 DEG AZ=179
46:4N1 13:1E 0KM H=04 17 19:7 (1)

D= 77:2 DEG AZ= 36
42:4N1142:5E 65KM H=08 16 01:0 (1)
42:4N1142:6E 100KM 08 16 06 (1)

D= 71:1 DEG AZ=265
11:8N1 61:3W 81KM H=13 02 36:2 (1)

D= 18:8 DEG AZ=146
34:9N1 25:7E 46KM H=17 16 07:3 (1)
34:8N1 25:7E 46KM 17 16 09:2 (1)
34:2N1 25:2E 17 16 01 (1)

D= 74:0 DEG AZ= 21
51:2N1159:5E 46KM H=19 44 39:1 (1)
51:1N1159:6E 19 44 36 (1)

D= 4:8 DEG AZ=178
(46:5N1 13:3E) 10KM H=20 58 49:4 (1)
(46:5N1 13:4E) 10KM 20 58 48:1 (1)

D=100:8 DEG AZ=251
20:5S1 68:9W 82KM H=00 40 57:8 (1)
20:5S1 68:7W 110KM 00 40 59 (1)
DISTANCE 100 DEG

1976 NOV 30 NEW HEBRIDES ISLANDS
E PKP 08 15 44
1976 NOV 30 SOUTH OF TONGA ISLANDS
E PKP1 09 10 56 1.7 / 38
1976 NOV 30 SOUTH OF FIJI ISLANDS
I PKP1 12 17 33:0
I PKP2 17 39:8
1976 NOV 30
16 27 28

D=142:6 DEG AZ= 40
19:28:168:0E 53KM H=07 56 17:2 (1)

D=192:2 DEG AZ= 16
24:28:175:1W 33KM H=08 51 00:8 (1)

D=151:7 DEG AZ= 19
24:05:176:7- 180KM H=11 57 56 (1)

01 12 07
13:0
19 14
37
47
T 24 AN 29 AE 93 AV(95) MSH =7.3 (NO DEPTH CORRECTION)
T 20 AN 29 AE 57:5

1976 DEC 01 KURILE ISLANDS
I P 11 28 08.2

1976 DEC 01
E 14 18 20

1976 DEC 01
E P 14 59 49

1976 DEC 01 TRACES; RED SEA
E P 05 11 29

1976 DEC 01 SOUTHERN IRAN
E P 12 07 05
E 07 21

1976 DEC 01 COSTA RICA
I P 14 28 20.7 1.7 / 62
E LM 15 04

1976 DEC 01
E 15 28 11

1976 DEC 02 SOUTH OF HONSHU, JAPAN
I P 11 32 04.60 1.5 / 63
I 32 11.4
I PP 35 24
E L 02 09 T 14 AN 4 AE 3
E LM 15 T 14 AN 3.5 AE 3.5 AV 5

1976 DEC 02 VENEZUELA
E P 05 45 50
E 46 12

1976 DEC 02 EXPLOSION
I PG 10 58 40.4
I SG 58 57.0
E LM 59 10

1976 DEC 02 EXPLOSION OF 25.0 TONS; CZECHOSLOVAKIA
I PG 11 16 21.2
I SG 16 76
E LM 16 58 1.3 / 155 1.1 / 190 1.3 / 245

1976 DEC 02 EXPLOSION OF 5.0 TONS; CZECHOSLOVAKIA
I PG 14 01 27.4
I SG 01 53.1

1976 DEC 02 LOYALTY ISLANDS
I PKP 16 31 25 1.9 / 62
I 31 44.0
E 31 52

1976 DEC 02 TONGA ISLANDS
E PKP 12 37 52 C

1976 DEC 03 TRACES, EXPLOSION OF 11.4 TONS; CZECHOSLOVAKIA
E PG 13 09 76
I SG 00 26.5

1976 DEC 03 SOUTH OF HONSHU, JAPAN
E P 14 09 55

1976 DEC 03 KERMADEC ISLANDS REGION
I PKP 17 21 16.1D
E 22 52

1976 DEC 04 EASTERN TURKEY
I P 14 15 51.8D 1.6 / 24
E 16 13

1976 DEC 04 KERMADEC ISLANDS REGION
E AP/PP 15 51 54

1976 DEC 04 EXPLOSION
I PG 18 05 11.2
I (SG) 05 54.0
E L 06 35

1976 DEC 04 CHILE-BOLIVIA BORDER REGION
E XP 12 46 39
E 49 45
I PP 50 14.70

1976 DEC 04 ADRIATIC SEA
E SG 15 47 51
E 48 15
E 48 20
E 48 27

1976 DEC 04 WEST OF MACQUARIE ISLAND
E PKP 21 43 39

1976 DEC 04 WEST OF MACQUARIE ISLAND
I PKP 21 45 07.0
E L 45 23
E 23 18

D= 77.5 DEG AZ= 32
43.8N; 147.9E 33KM H=01 16 15.7 (U)

D= 42.1 DEG AZ=136
15.9N; 41.7E 33KM H=05 03 38.7 (U)

D= 39.8 DEG AZ=111
27.0N; 54.9E 46KM H=11 59 34.5 (U)
27.1N; 55.0E 91KM 11 59 41.6 (U)
25.8N; 55.2E 11 59 25 (U)

D= 87.3 DEG AZ=282
9.8N; 34.8W 58KM H=14 15 39.0 (U)

D= 85.5 DEG AZ= 44
31.0N; 139.5E 36KM H=01 19 29.2 (U)
31.2N; 139.5E 01 19 29 (U)

D= 77.2 DEG AZ=271
10.7N; 69.7W 38KM H=05 33 59.1 (U)

D=109 KM AZ=137
50.58N; 14.05E
DISTANCE: 110 KM (C)

D=113 KM AZ=133
50.61N; 14.17E (C)

D=144.6 DEG AZ= 42
21.5S; 108.5E 13KM H=16 11 59.5 (U)

D=148.2 DEG AZ= 15
28.1S; 105.4W 176KM H=12 18 25.1 (U)

D=144 KM AZ=126
50.54N; 14.65E (C)

D= 85.2 DEG AZ= 44
31.2N; 109.3E 81KM H=13 57 26.0 (U)

D=158.6 DEG AZ= 28
31.6S; 108.4W 33KM H=17 01 18.1 (U)

D= 24.5 DEG AZ=107
39.3N; 43.6E 22KM H=04 10 32.9 (U)
39.4N; 43.7E 10KM 04 10 34.9 (B)
39.4N; 43.6E 20KM 04 10 33 (M)

D=158.3 DEG AZ= 26
31.1S; 107.9W 33KM H=05 31 12.3 (U)

D=100.5 DEG AZ=251
20.4S; 68.5W 72KM H=12 32 29.6 (U)
20.4S; 69.7W 12 32 24 (M)

D= 8.3 DEG AZ=167
43.2N; 15.6E 0KM H=15 43 41 (I)

D=152.7 DEG AZ=122
57.9S; 146.5E 33KM H=21 23 22.4 (U)

D=153.1 DEG AZ=120
56.8S; 147.5E 33KM H=21 25 12.3 (U)

1976 DEC 04 23 52 09

1976 DEC 05 02 39 58

1976 DEC 05 TONGA ISLANDS REGION
I PKP 17 30 50.2C 1.5 / 95

1976 DEC 05
I PKP 17 31 01.6 1.3 / 150
31 14.3 1.3 / 68
31 20:0

1976 DEC 05 BONIN ISLANDS REGION
I P 22 13 27.2D 1.5 / 37

1976 DEC 05 / LUZON, PHILIPPINE ISLANDS
DEC 06
E P 23 41 38
E 41 45
E LM 00 27

1976 DEC 06 TRACES
I 00 46 45

1976 DEC 06 EASTERN TURKEY
I (P) 04 03 34

1976 DEC 06 EASTERN TURKEY
E (P) 04 11 35

1976 DEC 06 SURINAM/INDIA BORDER REGION
E P 16 24 12 C

1976 DEC 06 EASTERN ISLAND CORDILLERA
I PKP 20 05 25
E 17 27
I SKNP 17 56
I PPE 20 14

1976 DEC 07 NORTHERN ITALY FRIULI
I PN 03 38 18.1
I SN 39 13:8
I SG 39 41:8

1976 DEC 07 UNDERGROUND EXPLOSION
I P 05 04 40.1C 0.7 / 190
E PN 06 10

1976 DEC 07 NEAR S. COAST OF HONSHU, JAPAN
I P 04 46 22.5 1.5 / 38
E AP 49 43

1976 DEC 07 FIJI ISLANDS REGION
I PKIKP 11 35 20.1D 1.3 / 45
I PKP1 35 21.8 1.9 / 260
E 36 17
E 38 02
I PSKS 40.0
E LM 12 35

1976 DEC 07 SOLOMON ISLANDS
I PKP 12 29 34.1C 1.0 / 21
I APK 29 50

1976 DEC 07 GUARIZI - MEXICO BORDER REGION
I (P) 13 12 40
E 12 46
E 13 10
E L 46

1976 DEC 07
E 13 37 30

1976 DEC 08 SOUTH AFRICA
I P 08 50 32.9

1976 DEC 08 TRACES, EXPLOSION OF 7.0 TONS; CZECHOSLOVAKIA
I PG 15 28 02.3
I SG 28 19.4

1976 DEC 08 NORTHERN ITALY FRIULI
I SG 16 01 42

1976 DEC 08 KURILE ISLANDS
I P 19 31 32.4C 1.2 / 65
E AP 31 45
I (PP) 34 09
E LM 20 03
E 10 T 15 AN 2 AE 2 AV 1.5 MLH =5.7

D=146.5 DEG AZ= 9
18.0S; 172.4W 15KM H=17 11 08.6 (U)

D= 57.7 DEG AZ= 45
20.0N; 139.7E 366KM H=22 0 18.1 (U)
20.0N; 140.6E 22 0 33 (M)

D= 50.8 DEG AZ= 60
17.4N; 120.1E 42KM H=23 28 55.7 (U)
17.2N; 120.3E 23 28 54 (M)

D= 25.1 DEG AZ=110
34.0N; 44.4E 48KM H=03 55 03.7 (U)
34.2N; 44.5E 33KM 03 58 00.0 (B)
34.4N; 44.4E 20KM 03 58 01 (M)

D= 25.2 DEG AZ=107
34.0N; 44.4E 67KM H=04 06.0 (U)

D= 63.4 DEG AZ= 85
24.2N; 94.0E 57KM H=10 43 12.3 (U)
24.0N; 94.8E 16 13 16 (M)

D=137.6 DEG AZ=271
34.6S; 112.2E 33KM H=14 44 06.0 (U)
37.4S; 115.2E 14 46 01 (M)

D= 51.0 DEG AZ=178
46.5N; 13.0E 30KM H=03 37 01.8 (U)
46.2N; 13.3E 35KM 03 37 01.2 (U)

D= 40.6 DEG AZ= 65
44.4N; 75.9E 0KM H=04 56 57.4 (U)

D= 61.9 DEG AZ= 44
33.9N; 137.0E 342KM H=04 30 39.1 (U)
34.7N; 135.9E 250KM 04 36 31 (M)

D=146.8 DEG AZ= 17
18.0S; 172.4W 15KM H=17 11 08.6 (U)

D=129.0 DEG AZ= 40
7.5S; 126.2E 70KM H=12 10 37.0 (U)
7.4S; 126.4E 12 10 32 (M)

D= 85.2 DEG AZ=318
32.0N; 114.0W 8KM H=12 50 56.3 (U)
33.3N; 114.0W 15 06 10 (M)

D= 74.9 DEG AZ=168
20.0S; 26.7E 33KM H=06 38 25.7 (U)
27.9S; 26.8E 05 38 21 (M)

D=126 KM AZ=174 (C)
54.16N; 13.18E

D= 74.0 DEG AZ= 32
45.2N; 147.8E 33KM H=14 19 36.2 (U)
45.4N; 145.1E 14 19 36 (M)

1976 DEC 09 NORTHERN ITALY
E SG 02 58 33

1976 DEC 09 KERMADEC ISLANDS REGION
I PKP2 03 39 07

1976 DEC 09 TRACES, EXPLOSION OF 10.0 TONS; CZECHOSLOVAKIA
SUPERPOSED BY ANOTHER EXPLOSION
I PG 09 00 46.8
E SG 01 02

1976 DEC 09 OFF COAST OF OREGON
I P 10 03 05.8D 1.6 / 38
E S 03 22
E L 13 11
E LM 27
T 20 AN 2.5 AE 3
T 18 AN 5.5 AE 2 AV 5.5 MLH = 6.0

1976 DEC 09 OFF COAST OF OREGON
E(P) 10 10 24 1.2 / 18

1976 DEC 09 OFF COAST OF OREGON
E P 10 40 13 1.1 / 22

1976 DEC 09 KURILE ISLANDS
F AP 13 16 44

1976 DEC 09
E 13 53 47

1976 DEC 09
E 15 09 41

1976 DEC 09 POLAND, UPPER SILESIA
F SG 15 38 13

1976 DEC 09 KURILE ISLANDS
I P 15 49 22.7D 1.2 / 71
F 50 12

1976 DEC 09 OFF EAST COAST OF KAMCHATKA
I P 16 10 53.5 1.2 / 17
I AP 11 36.8

1976 DEC 09 NEW BRITAIN REGION
F APKP 16 15 46

1976 DEC 09 TRACES
E 23 31 51

1976 DEC 10 TONGA ISLANDS
I PKP 26 06 22.5 1.6 / 18

1976 DEC 10 IONIAN SEA
I P 21 51 26.6D 1.6 / 32

1976 DEC 10 TRACES, EXPLOSION OF 4.3 TONS, CZECHOSLOVAKIA
I PG 14 00 27.4
E SG 00 43.4

1976 DEC 10 TADZHIK-SINKIANG BORDER REGION
E P 18 04 44
E 04 54

1976 DEC 10 TRACES
I P 20 38 27.3

1976 DEC 10 SOUTHERN SUMATRA
E P 20 47 46

1976 DEC 10 / LUZON, PHILIPPINE ISLANDS
E P 23 18 28 1.4 / 17
F 18 47
E PP 21 36
E SKS 22 16
E S 29 07
E LM 29 46
E L 00 07
T 14 AN 2.5 AE 0.5 AV 1
T 13 AN 1 AE 1.5 AV 2 MLH = 5.9

1976 DEC 10 KURILE ISLANDS
I P 20 47 35.8D 0.8 / 11

1976 DEC 11 TAIWAN
I P 01 18 56 1.1 / 17
I AP 19 04.2

1976 DEC 11 IRAN-IRAQ BORDER REGION
I P 04 15 32

D=156.6 DEG AZ=22
29.0S;176.7W 65KM H=03 18 49.6

D=106 KM AZ=134
50.64N; 14.07E

D= 79.3 DEG AZ=334
44.5N;130.0W 18KM H=09 50 59.5
44.6N;130.4W 09 51 01

D= 79.4 DEG AZ=334
44.5N;130.1W 15KM H=09 58 13.0

D= 79.1 DEG AZ=334
44.6N;129.5W 15KM H=10 28 06.9
43.3N;130.7W 10 28 02

D= 77.9 DEG AZ= 32
43.3N;147.6E 33KM H=13 03 54.7

D= 76.9 DEG AZ= 31
44.5N;147.8E 106KM H=15 37 41.3
44.9N;147.7E 110KM 15 37 42

D= 73.8 DEG AZ= 21
51.4N;159.4E 33KM H=15 59 20.9
51.5N;159.1E 60KM 15 59 24

D=23.4 DEG AZ= 31
5.9S;142.0E 34KM H=15 56 41.1

D=143.5 DEG AZ= 13
15.3S;15.0W 304KM H=05 47 15.1

D= 15.0 DEG AZ=156
37.3N; 20.5E 3KM H=11 47 49.9
37.3N; 20.4E 3KM 11 47 47

D=122 KM AZ=129
50.62N; 14.35E

D= 43.9 DEG AZ= 83
38.1N; 13.8E 155KM H=17 56 48.9
38.4N; 13.7E 130KM 17 56 43

D= 93.9 DEG AZ= 93
4.7S;103.4E 87KM H=20 34 30.4
4.6S;103.2E 20 34 26

D= 92.2 DEG AZ= 04
14.0N;124.8E 33KM H=23 05 27.2
14.0N;124.8E 25KM 23 05 27

D= 77.2 DEG AZ= 29
45.1N;150.4E 33KM H=00 35 44.3

D= 84.1 DEG AZ= 64
21.0N;120.3E 21KM H=01 06 24.9
21.5N;120.4E 01 06 29

D= 30.0 DEG AZ=113
33.7N; 46.5E 41KM H=04 09 26.3
33.7N; 46.7E 74KM 04 09 30.9
33.3N; 46.4E 04 09 22

1976 DEC 11 HOKKAIDO, JAPAN; REGION
I P 05 48 44

1976 DEC 11 EXPLOSION OF 25.0 TONS; CZECHOSLOVAKIA
I P 06 22 29.0
I PP 22 43.8
I SN 22 45.0
I SG 22 54
E LM 22 54

1976 DEC 11 NEAR EAST COAST OF KAMCHATKA
I P 08 50 28.8D 1.1 / 25

1976 DEC 11 TONGA ISLANDS
I PKP 12 17 03.0C 1.3 / 23

1976 DEC 11 NICOBAR ISLANDS REGION
I P 18 20 03.3D 2.1 / 140
E PS 30 46
E L 57
E LM 19 01
T 20 AN 3 AE 1.5 AV 1.5
T 16 AN 2 AE 3 AV 3

1976 DEC 11 NICOBAR ISLANDS REGION
I P 18 43 48

1976 DEC 11 / GULF OF CALIFORNIA
I AP 23 21 26
E LM 00 01
T 16 AN 0.5 AE 2 AV 1.5

1976 DEC 12 BONIN ISLANDS REGION
I P 01 20 47.4C 1.4 / 330
I AP 22 40
I XP 25 36
E PP 26 21
E SKS 30 24
E L 30 44
E(S) 31 54
E(S) 32 12
E(S) 33 12
E(S) 34 03
E(S) 36 47
E(S) 40 11
E LM 02 00
E L 07
T 16 AN 3 AE 2 MLH = 5.8 (NO DEPTH CORRECTION)
T 16 AN 2 AE 1.5 AV 16

1976 DEC 12 YUGOSLAVIA
CROATIA
E PG 05 10 37
E SN 11 17
E 11 30
E 11 38
E SG 11 54
E 11 59

1976 DEC 12 NICOBAR ISLANDS REGION
I P 05 33 49
E(PP) 36 34

1976 DEC 12 KERMADEC ISLANDS REGION
I PKP 05 48 08.1D(1.8) / 33

1976 DEC 12 EASTERN TURKEY
E P 07 59 41
E 08 00 09

1976 DEC 12 FRIULI
E(SG) 08 22 47

1976 DEC 12 ALBANIA
E 13 15 43

1976 DEC 12 NEW HEBRIDES ISLANDS
E PKP 23 26 37

1976 DEC 13 NEAR EAST COAST OF HONSHU, JAPAN
I AP 03 08 29.4

1976 DEC 13 NORTHERN ITALY
NORTH OF GARDA SEA
I SN 05 25 28.1
I PG 25 49.0
I SN 26 27.2
I SN 26 43.2
I SN 26 52
I SG 27 03

1976 DEC 13 SZECHWAN PROVINCE, CHINA
E P 06 47 58 1.4 / 75
E L 49 21
E 57 10
E PP 57 41
E LM 07 18
T 19 AN 10.5 AE 4 AV 5 MLH = 6.3

1976 DEC 13 SZECHWAN PROVINCE, CHINA
I AP 07 34 53

D= 77.3 DEG AZ= 36
41.9N;142.5E 73KM H=05 36 56.8 (U)
41.7N;142.3E 05 36 52 (M)

D=109 KM AZ=139
50.50N; 14.37E (C)

D= 71.8 DEG AZ= 20
53.8N;160.5E 33KM H=08 39 08.6 (U)

D=145.4 DEG AZ= 14
17.26N;151.1W 309KM H=11 57 59 (U)

D= 78.4 DEG AZ= 92
7.5N; 93.8E 33KM H=18 08 04.4 (U)
8.0N; 93.8E 18 08 07 (M)

D= 78.5 DEG AZ= 92
7.6N; 94.0E 33KM H=18 31 47.6 (U)
8.9N; 93.6E 18 31 50 (M)

D= 88.4 DEG AZ=311
25.9N;110.3W 33KM H=23 08 27.7 (U)
26.0N;110.0W 23 08 30 (M)

D= 88.1 DEG AZ= 45
28.0N;113.0E 491KM H=01 08 50.1 (U)
28.8N;109.4E 450KM 01 08 45 (M)
DISTANCE BY DEG DEPTH 500 KM

D= 51.8 DEG AZ=140
45.5N; 15.0E 8KM H=05 08 46.8 (U)
45.8N; 15.8E 10KM 05 08 47.7 (B)

D= 78.6 DEG AZ= 92
7.5N; 94.1E 33KM H=03 21 44.8 (U)
8.4N; 94.7E 05 21 50 (M)

D=155.2 DEG AZ= 20
27.5S;176.3E 68KM H=05 28 12.1 (U)

D= 25.0 DEG AZ=107
39.0N; 44.2E 40KM H=07 54 19.9 (U)
39.1N; 44.3E 10KM 07 54 19.4 (B)
39.2N; 44.3E 07 54 21 (M)

(A)

D= 11.9 DEG AZ=155
40.3N; 19.5E 33KM H=13 09 48.3 (U)
40.2N; 19.6E 10KM 13 09 48.6 (B)

D=146.7 DEG AZ= 35
21.8S;173.0E 71KM H=23 07 03.7 (U)

D= 81.1 DEG AZ= 40
30.7N;140.7E 109KM H=02 55 58.9 (U)

D= 51.6 DEG AZ=197
45.9N; 13.7E 17KM H=05 24 03.9 (B)
45.9N; 10.9E 34KM 05 24 05.9 (U)
DISTANCE 9.4 DEG

D= 68.0 DEG AZ= 73
27.4N;101.1E 17KM H=06 36 58.3 (U)
27.4N;101.1E 06 37 00 (M)

D= 68.1 DEG AZ= 74
27.5N;101.1E 33KM H=07 23 46.6 (U)

1976 DEC 13 KURILE ISLANDS
E P 16 30 06 1.2 / 18

1976 DEC 13 TONGA ISLANDS
E PKP1 21 39 46 1.3 / 16

1976 DEC 13 SOUTH OF HONSHU, JAPAN
I P 23 14 13.5D 1.4 / 50
E PP 17 35

1976 DEC 14
E 01 33 33

1976 DEC 14 NORTHERN ITALY
NORTH OF GARDA SEA
E PG 06 58 46
E 59 36
E SG 59 58

1976 DEC 14
E 13 10 53

1976 DEC 14 RYUKYU ISLANDS
I P 10 19 10.0D 1.6 / 1500
T 0 AV 4.7 MPV 6:9

E 19 33
E PP 22 28
E S 29 32 T 7 AH 5.4 AE 9.7 MSH 7:0
E PKKP 37 27
E SSSS 40
E PKPPKP 45 20
E LM 55 T 16 AN 59 AE 45.5 MLH 7:2
E LM 17 01 T 15 AV 87

1976 DEC 14 TRACES
E 18 07 32

1976 DEC 14 RYUKYU ISLANDS
E P 19 09 29

1976 DEC 14 RYUKYU ISLANDS
I P 10 47 30.0D 1.2 / 140
I 47 41.2
E 51 14
E S 57 55
E (PS) 58 36
E L 20 23 T 14 AN 6 AE 2.5
E LM 29 T 16 AN 3.5 AE 5 AV 7 MLH 6:1

1976 DEC 14 KAIICHAJKA
I (P) 20 33 44.1D 1.6 / 48
E 34 10

1976 DEC 15 KAZAKH-SINKIANG BORDER REGION
I P 00 35 37.2 1.3 / 22
I AP 35 45.8
I APP 37 34.4

1976 DEC 15 TRACES
E 01 24 06

1976 DEC 15 CERAM
E (PP) 03 30 20

1976 DEC 15 BURMA-INDIA BORDER REGION
I P 04 45 50.3D 1.1 / 14

INTERRUPTION OF SOME RECORDS FROM 04H 45M TO 05H 03M

1976 DEC 15 TONGA ISLANDS
I PKP 07 29 59.5
I APKP 30 20.0
E (PP) 33 15

1976 DEC 15 NORTH WESTERN CZECHOSLOVAKIA
I PG 10 46 31.7
I SG 46 52.0

1976 DEC 15 EXPLOSION
I PG 10 57 14.8
I 57 15.7

1976 DEC 15
E 11 29 03

1976 DEC 15 RYUKYU ISLANDS
I P 11 59 13.0C 1.4 / 23

1976 DEC 15 RYUKYU ISLANDS
I P 12 30 27.2D 1.3 / 64
E LM 33 55

1976 DEC 15 MARIANA ISLANDS
E P 13 29 13
E PP 32 29
E LM 33 21
E 14 13

D=79.6 DEG AZ=25
48.5N 155.4E 33KM H=18 18 26.0 (U)

D=148.7 DEG AZ=12
20.5N 173.8W 33KM H=21 20 02.6 (U)

D=80.7 DEG AZ=42
31.1N 142.4E 33KM H=23 01 32.1 (U)
31.0N 142.3E 23 01 35 (M)

D=51.5 DEG AZ=197
46.0N 10.7E 10KM H=08 57 01.4 (U)
45.7N 10.7E 33KM 08 56 59.2 (M)
DISTANCE 5.3 DEG

D=83.7 DEG AZ=52
28.3N 130.7E 41KM H=16 06 44.4 (U)
29.3N 130.2E 50KM 16 06 52 (M)
DISTANCE 81 DEG

D=82.7 DEG AZ=51
29.3N 130.4E 33KM H=18 57 07.4 (U)
29.0N 130.5E 18 57 08 (M)

D=83.6 DEG AZ=52
28.3N 130.6E 39KM H=14 35 04.4 (U)
28.2N 130.8E 14 34 57 (M)
DISTANCE 81 DEG

D=70.4 DEG AZ=19
52.3N 160.5E 44KM H=20 22 28.9 (U)
52.4N 160.3E 40KM 20 22 29 (M)

D=44.7 DEG AZ=64
48.0N 85.1E 33KM H=00 27 26.3 (U)
48.7N 84.9E 00 27 22 (M)

D=106.5 DEG AZ=71
3.1S 112.9E 27KM H=03 19 30.1 (U)
3.0S 112.9E 03 19 31 (M)

D=87.2 DEG AZ=81
30.1N 96.0E 97KM H=04 35 11.4 (U)
29.0N 95.0E 04 35 07 (M)

D=145.6 DEG AZ=12
17.3S 174.0W 79KM H=07 10 27.8 (U)

DISTANCE 165 KM

D=83.7 DEG AZ=52
28.2N 130.6E 33KM H=11 46 48.9 (U)

D=83.8 DEG AZ=52
28.1N 130.6E 33KM H=12 25 54.9 (U)
28.9N 130.2E 12 26 06 (M)

D=143.6 DEG AZ=48
18.1N 145.1E 77KM H=13 13 17.0 (U)
18.6N 145.4E 13 15 12 (M)

1976 DEC 15 WESTERN POLAND
I P 14 16 07.8
I 16 10.3
I 16 36.1

1976 DEC 15 CRETE
I P 16 10 27.2 0.9 / 15

1976 DEC 15 SOUTHERN SINKIANG PROV., CHINA
I P 18 19 40

1976 DEC 16
I 01 09 30

1976 DEC 16 EASTERN MEDITERRANEAN SEA
I P 07 47 35

1976 DEC 16
I 08 21 49.8C
I 21 58

1976 DEC 16 TADZHIK-SINKIANG BORDER REGION
I P 08 35 04

1976 DEC 16 EXPLOSION OF 22.0 TONS, CZECHOSLOVAKIA
I P 10 59 17
I 59 18.3
I 59 29
I 59 32.1

1976 DEC 16 FIJI ISLANDS REGION
I PKP 12 49 30.0D 1.2 / 200
I 49 47.4D
I APKP 51 49

1976 DEC 16
I 17 43 31

1976 DEC 16 NORTHERN ITALY FRIULI
I P 20 03 28
I 04 52

1976 DEC 16 SOUTHERN SUMATERA
I P 22 25 19

1976 DEC 17
I 02 26 41

1976 DEC 17 KIRGIZ-SINKIANG BORDER REGION
I P 02 48 21.7 1.2 / 16
I 48 28

INTERRUPTION OF SOME RECORDS FROM 04H 29M TO 05H 55M

1976 DEC 17 EXPLOSION OF 18.0 TONS, CZECHOSLOVAKIA
I P 08 38 10.2
I 38 24
I 38 38

1976 DEC 17 TSINGHAI PROVINCE, CHINA
I P 10 12 12 1.3 / 11

1976 DEC 17 FIJI ISLANDS REGION
I PKP1 12 44 09.7C

1976 DEC 17
I 16 40 43

1976 DEC 17 TRACES
I 22 48 40

1976 DEC 18 TONGA ISLANDS REGION
I PKP1 00 45 01.1D 0.9 / 18

1976 DEC 18
I 02 32 37.1C

1976 DEC 18 NEAR EAST COAST OF HONSHU, JAPAN
I P 03 18 03 1.4 / 20

1976 DEC 18 POLAND, UPPER SILESIA
I P 04 57 10

1976 DEC 18
I 08 02 52
I 03 04

1976 DEC 18 RYUKYU ISLANDS
I P 05 16 42.1D
I 16 51.0
I 54
I 58

D=116 DEG AZ=116
50.6N 151.2E 19KM H=14 15 42.6 (U)
DISTANCE 215 KM

D=17.5 DEG AZ=151
39.5N 23.3E 49KM H=16 06 24.7 (U)
39.4N 23.4E 52KM 16 06 27.0 (M)
39.6N 23.8E 16 06 25 (M)

D=43.7 DEG AZ=81
39.4N 74.7E 33KM H=18 11 36.9 (U)
39.6N 74.0E 18 11 39 (M)

D=19.5 DEG AZ=142
34.9N 27.6E 33KM H=07 43 08.5 (U)

D=42.4 DEG AZ=81
39.9N 73.0E 33KM H=08 27 11.8 (U)
40.2N 72.9E 08 27 14 (M)

D=104 KM AZ=109
51.00N 144.41E (C)
DISTANCE 110 KM

D=145.4 DEG AZ=20
17.9S 173.7E 500KM H=12 30 53.9 (U)
17.3S 177.9E 12 29 50 (M)

D=4.4 DEG AZ=183
46.9N 12.7E 33KM H=20 02 21.5 (U)

D=89.2 DEG AZ=94
1.8S 99.5E 33KM H=22 12 11.0 (U)
1.0S 99.4E 22 12 16 (M)

D=45.2 DEG AZ=76
41.1N 78.8E 59KM H=02 40 08.1 (U)
41.2N 78.8E 02 40 07 (M)

D=108 KM AZ=138
50.56N 141.2E (C)
DISTANCE 114 KM

D=59.4 DEG AZ=74
33.3N 93.9E 33KM H=10 02 11.3 (U)
38.2N 94.0E 10 02 11 (M)

D=148.0 DEG AZ=21
20.6S 178.5W 566KM H=12 25 25.9 (U)

D=151.2 DEG AZ=17
23.2S 175.6E 158KM H=00 25 23.4 (U)

D=80.2 DEG AZ=38
38.3N 142.0E 50KM H=03 05 55.7 (U)
38.4N 141.7E 03 05 55 (M)

D=83.7 DEG AZ=52
28.3N 130.7E 33KM H=05 04 14.9 (U)
29.3N 130.4E 20KM 05 04 19 (M)

1976 DEC 18 CZECHOSLOVAKIA-POLAND BORDER REGION
QUESTIONABLE EVENT
E PN 09 03 05
I PG 03 08.7
I 03 37.0
I SG 03 38.8

1976 DEC 18 NICOBAR ISLANDS REGION
E(P) 11 05 34

1976 DEC 18 KERMADEC ISLANDS REGION
E PKP1 15 15 31
E 15 50

1976 DEC 18 RYUKYU ISLANDS
I P 18 20 47.1C 1.0 / 51
E LM 56

1976 DEC 19 I P 01 02 46.2 0.8 / 15

1976 DEC 19 FIJI ISLANDS REGION
I PKP1 09 29 45.8D 1.1 / 48
I PKP2 29 52.0C 0.9 / 80
E APKP 32 07

1976 DEC 19 E P 09 45 38

1976 DEC 19 WEST CAROLINE ISLANDS
I P 11 03 03.6C 1.4 / 32
E 05 55
E LM 54

1976 DEC 19 KURILE ISLANDS REGION
I P 11 55 19.7

1976 DEC 19 KURILE ISLANDS
I P 14 49 32.1C 1.6 / 80

1976 DEC 19 MEDITERRANEAN SEA
E P 21 26 06
E LM 33

1976 DEC 19 E 21 56 27

1976 DEC 20 E 02 15 58

1976 DEC 20 FIJI ISLANDS REGION
I PKP1 05 35 06.0D 1.0 / 49

1976 DEC 20 COSTA RICA
I P 10 31 36.8C 1.9 / 160
I 31 50.7D
I AP 31 55.4
E LM 11 06

1976 DEC 20 E 10 50 04

1976 DEC 20 VANCOUVER ISLAND REGION
E(P) 17 24 29
E 24 37

1976 DEC 20 NEAR EAST COAST OF KAMCHATKA
E P 18 41 41 1.3 / 24
E 42 05

1976 DEC 20 FIJI ISLANDS REGION
I PKP1 19 15 36.4C 1.0 / 32

1976 DEC 20 LOYALTY ISLANDS REGION
E PKP 20 40 46

1976 DEC 20 VANCOUVER ISLAND REGION
I P 20 44 50 2.1 / 175
E S 45 01.0 2.2 / 400
E 54 30 T 15 AN 6.5 AE 9.1
E PS 54 35
E SS 55.1
E(SSS) 59.2
E PKPPKP 21 03.3
E LM 12 30
E L 15
E L 18.5
E L 22
FINAL 26 T 19.5 AN 44 AE 35 AV 51
T 18.5 AN 50.5 AE 5.5 AV 40
T 17 AN 42 AE 16.5 AV 27

1976 DEC 20 VANCOUVER ISLAND REGION
I P 21 18 21.9

MC = 4.0

MSH = 6.7

MLM = 6.9

D= 2.2 DEG AZ=111
50.5N 16.2E OKM H=09 02 29
DISTANCE 2.3 DEG

D= 78.4 DEG AZ= 92
7.6N 73.8E 33KM H=10 53 44.2 (U)

D=155.2 DEG AZ= 20
27.58N 176.3E 57KM H=14 55 34.0 (U)
27.78N 176.9E 14 55 33 (U)

D= 83.9 DEG AZ= 52
28.0N 130.6E 33KM H=18 08 18.2 (U)
29.3N 130.8E 18 08 27 (U)

D=149.1 DEG AZ= 23
21.9S 179.5W 800KM H=09 11 03.5 (U)
DISTANCE 14.7 DEG DEPTH 620 KM

D=102.3 DEG AZ= 61
7.7N 133.6E 33KM H=10 49 10.1 (U)
7.7N 133.8E 10 49 10 (U)

D= 74.2 DEG AZ= 22
50.7N 159.4E 33KM H=11 43 45.1 (U)

D= 76.2 DEG AZ= 28
46.6N 151.6E 91KM H=14 37 52.8 (U)
46.9N 151.4E 100KM 14 37 54 (U)

D= 18.1 DEG AZ=177
33.2N 14.3E 33KM H=21 21 56.2 (U)
33.1N 14.3E 10KM 21 21 56.0 (U)
33.3N 12.5E 21 21 56 (U)

D=145.6 DEG AZ= 19
18.0S 118.1W 556KM H=05 16 28.9 (U)

D= 87.1 DEG AZ=281
9.3N 83.9W 66KM H=10 18 56.8 (U)

D= 74.8 DEG AZ=335
49.1N 129.0W 10KM H=17 12 41.0 (U)
49.3N 130.4W 17 12 47 (U)

D= 73.6 DEG AZ= 22
51.2N 158.0E 33KM H=18 30 09.9 (U)
50.5N 158.6E 18 30 04 (U)

D=145.4 DEG AZ= 20
17.9S 178.6W 609KM H=18 57 24.3 (U)

D=146.9 DEG AZ= 38
22.7S 171.5E 48KM H=20 21 14.2 (U)

D= 75.2 DEG AZ=335
48.8N 129.3W 10KM H=20 33 07.8 (U)
49.0N 129.6W 20 33 12 (U)

DISTANCE 7.5 DEG

D= 74.9 DEG AZ=335
48.9N 128.7W 10KM H=21 06 39.1 (U)
49.6N 129.2W 21 06 45 (U)

1976 DEC 20 VANCOUVER ISLAND REGION
I P 21 24 32
E 24 41

1976 DEC 20 POLAND, UPPER SILESIA
I(PG) 21 31 19
E 32 14

1976 DEC 20 VANCOUVER ISLAND REGION
E AP 21 33 24 1.8 / 51

1976 DEC 21 MOLUCCA PASSAGE
I 00 11 28
E 14 20
I PKP 15 17

1976 DEC 21 I P 02 19 14
E P 03 01
E LM

1976 DEC 21 RYUKYU ISLANDS
I P 04 10 39
I AP 10 50

1976 DEC 21 VENEZUELA
I AP 04 44 10

1976 DEC 21 SOUTH OF FIJI ISLANDS
I PKP1 06 15 16.3C 0.9 / 17
E 15 19.1

1976 DEC 21 FIJI ISLANDS REGION
I PKP1 11 53 35.4 0.9 / 17

1976 DEC 21 E 14 44 00

1976 DEC 21 NEAR EAST COAST OF HONSHU, JAPAN
I P 15 19 04.6D 1.0 / 15

1976 DEC 21 SZEGHWAN PROVINCE, CHINA
I P 18 48 14

1976 DEC 21 TRACES
I 21 33 40

1976 DEC 21 BONIN ISLANDS REGION
I P 22 29 25

1976 DEC 22 POLAND, UPPER SILESIA
I 01 12 15.3

1976 DEC 22 VOLCANO ISLANDS REGION
I P 01 14 54.4D 1.2 / 58
E 15 24
I 18 02
I PP 18 37
E 18 54
I SG 32.5
I LM 58 T 16 AN 2.5 AE 1.5
I L 08 03 T 16 AN 2 AE 2 AV 2.5
FINAL 02 30

1976 DEC 22 RYUKYU ISLANDS
I P 02 38 20
E 38 28
I LM 03 20 T 13 AN 1 AE 1 AV 1.5

1976 DEC 22 I PKP 03 18 35.8C 0.6 / 14

1976 DEC 22 RYUKYU ISLANDS
I P 07 40 57 1.3 / 18

1976 DEC 22 NORTHERN ITALY FRIULI
I PN 11 04 09
I SG 05 31

1976 DEC 22 I SG 13 07 17

1976 DEC 22 I 13 54 14
E 54 24
I 54 39
E 55 13
I 55 50
E 56 27
I 56 38

1976 DEC 22 NORTHERN COLOMBIA
I P 17 34 16

1976 DEC 23 I 00 03 54

D= 74.7 DEG AZ=335
49.2N 129.0W 10KM H=21 12 48.8 (U)

D= 4.0 DEG AZ=104
50.2N 19.0E OKM H=21 30 10 (U)

D= 74.9 DEG AZ=335
48.9N 128.6W 10KM H=21 21 32.5 (U)

D=103.9 DEG AZ= 71
0.5N 126.1E 33KM H=23 56 54.6 (U)
1.2N 125.9E 23 56 59 (M)

D= 83.9 DEG AZ= 52
28.1N 130.7E 33KM H=03 58 12.2 (U)

D= 73.8 DEG AZ=264
8.7N 61.8W 55KM H=04 32 31.0 (U)

D=150.2 DEG AZ= 17
22.3S 176.0W 127KM H=05 55 38.0 (U)

D=145.6 DEG AZ= 20
18.1S 178.5W 609KM H=11 35 03.3 (U)

D= 80.9 DEG AZ= 40
37.1N 141.1E 61KM H=15 06 55.2 (U)
37.1N 141.1E 50KM 15 06 54 (M)

D= 68.1 DEG AZ= 74
27.3N 101.1E 33KM H=18 37 12.9 (U)
27.1N 101.3E 18 37 11 (M)

D= 89.3 DEG AZ= 42
28.5N 143.3E 33KM H=22 16 29.6 (U)
28.7N 143.5E 22 16 31 (M)

D= 94.0 DEG AZ= 44
23.3N 143.7E 49KM H=01 01 41.0 (U)
28.3N 144.1E 50KM 01 01 40 (M)

D= 83.8 DEG AZ= 52
28.2N 130.7E 34KM H=02 25 51.3 (U)

D= 83.4 DEG AZ= 52
28.1N 130.7E 33KM H=07 28 29.4 (U)

D= 5.1 DEG AZ=178
46.2N 13.2E OKM H=11 02 51.4 (U)

D= 82.3 DEG AZ=271
0.7N 73.0W 163KM H=17 42 12.3 (U)



1976 DEC 23 GERMAN DEMOCRATIC REPUBLIC
 I PG U1 21 42.1
 I SG 22 03.1

1976 DEC 23 NORTHERN ITALY FRIULI
 E SG U2 27 21

1976 DEC 23
 E U4 10 55

1976 DEC 23 SOUTH OF FIJI ISLANDS
 I PKP1 U8 56 10.9D 0.9 / 23
 I PKP2 56 21.8

1976 DEC 23 OFF COAST OF NORTHERN CALIFORNIA
 I P U9 51 12.0
 I U1 13.3D 1.6 / 74
 E PP 54 18
 E S 10 01 24
 E PS 02 02
 E SSSS 11.1
 E LM 20 T 20 AN 3.5 AE 2 AV 4.5 MLM = 5.8

1976 DEC 23 EXPLOSION
 I PG U 56 39.7
 I 57 01.8

1976 DEC 23
 E 12 13 22

1976 DEC 23
 I P 14 23 29.9 1.2 / 18
 E 23 38

1976 DEC 23 CAULSBERG RIDGE
 E P 10 11 02

1976 DEC 23 CZECHOSLOVAKIA
 LITTLE CARPATHIANS
 E U2 06 31
 E SG 06 44

1976 DEC 24 NEAR COAST OF SOUTHERN CHILE
 E LM 10 05 T 22 AN 1.5 AE 1.5 AV 1

1976 DEC 24 NEW BRITAIN REGION
 I PKP 10 31 00.7D 0.8 / 17

1976 DEC 24 SOLOMON ISLANDS
 E PKP 12 14 31

1976 DEC 24 KERMADEC ISLANDS REGION
 E PKP2 14 38 24

1976 DEC 24 ROMANIA
 E P 14 51 18

1976 DEC 24 DODECANESE ISLANDS
 E (P) 21 52 50

1976 DEC 25 BURMA-INDIA BORDER REGION
 E P U1 17 46
 E AP 18 04

1976 DEC 25 FIJI ISLANDS REGION
 I PKP1 11 07 48.8 0.7 / 18

1976 DEC 25 NEW IRELAND REGION
 I (PKP) 21 42 00.5 1.0 / 15
 E 42 50

1976 DEC 25 TRACES: EASTERN TURKEY
 E P 22 24 33

1976 DEC 26 KERMADEC ISLANDS
 E (PKP2) U2 47 17

1976 DEC 26 CENTRAL ITALY
 E SG U4 35 32
 E 35 44
 E 36 30

1976 DEC 26 AUSTRIA-SWITZERLAND-LIECHTENSTEIN BORDER REGION
 E SG U9 02 02

1976 DEC 26
 E 10 30 50

1976 DEC 26 PHILIPPINE ISLANDS REGION
 E AP 13 48 13

DISTANCE 170 KM

D= 5.1 DEG AZ=181
 46.2NI 12.9E 33KM H=02 24 49
 (46.9NI 12.7E) 33KM U2 24 55.1

D=151.6 DEG AZ= 27
 24.9S119.4E 573KM H=08 31 19.1

D= 80.6 DEG AZ=330
 41.8NI126.0W 15KM H=09 38 58.1
 41.5NI126.6W 09 38 59
 DISTANCE 81 DEG

D= 70.9 DEG AZ=120
 2.4S1 08.0E 33KM H=15 59 45.0

D=122.5 DEG AZ= 50
 4.4S1152.8E 57KM H=10 12 09.8
 4.2S1153.1E 10 12 07

D=129.7 DEG AZ= 45
 8.9S1159.9E 68KM H=12 00 32.5

D=158.0 DEG AZ= 28
 31.1S1178.8W 108KM H=14 18 06.0

D= 10.7 DEG AZ=116
 45.8NI 26.9E 161KM H=14 48 51.1

D= 18.0 DEG AZ=141
 30.2NI 25.0E 160KM H=21 48 39.7
 30.0NI 25.7E 152KM 21 48 39.6

D= 65.4 DEG AZ= 79
 25.9NI 95.1E 84KM H=01 07 10.9
 25.4NI 95.4E 01 07 01

D=145.2 DEG AZ= 20
 17.7S1178.7W 555KM H=10 47 13.1

D=124.2 DEG AZ= 49
 5.7S1153.9E 54KM H=21 25 02.8
 5.0S1154.1E 21 25 03

D= 25.1 DEG AZ=107
 39.0NI 44.3E 33KM H=22 19 10.0
 39.3NI 44.4E 10KM 22 19 10.6
 39.0NI 44.3E 22 19 06

D=157.8 DEG AZ= 26
 30.7S1178.2W 38KM H=02 26 57.0

D= 8.1 DEG AZ=178
 45.2NI 13.4E 33KM H=04 31 09.8

D= 4.5 DEG AZ=213
 47.5NI 9.4E 10KM H=08 59 39
 47.3NI 9.6E 08 59 36.4 (ZUERICH)

D= 85.2 DEG AZ= 62
 20.9NI122.1E 33KM H=13 35 33.0
 22.4NI122.0E 13 35 40

1976 DEC 26 ALASKA PENINSULA
 I P 14 59 08

1976 DEC 26 TRACES
 I P 16 35 03

1976 DEC 26 SOUTH ATLANTIC RIDGE
 I P 19 47 17 1.7 / 42
 I PP 51 05
 I S 58.5
 I SS 20 05.0
 I L 31
 I L 44

1976 DEC 27 TADZHIK-SINKIANG BORDER REGION
 I AP U1 29 10.8D 1.8 / 27
 I (PP) 30 23
 I 31 33

1976 DEC 27 POLAND: UPPER SILESIA
 I PG U2 21 04
 I SG 21 56

1976 DEC 27 OFF EAST COAST OF HONSHU, JAPAN
 I P U4 34 24.2D 1.0 / 19

1976 DEC 27 AUSTRIA-SWITZERLAND-LIECHTENSTEIN BORDER REGION
 E SG U6 59 20

1976 DEC 27 GREECE-ALBANIA BORDER REGION
 I PP U7 57 32.8 1.4 / 28
 I 57 36.6
 I 57 46
 I 58 39
 I 59 18
 I 59 37
 I (S) U8 00 12
 I SSSS 00 52
 I LM 02.0 T 12 AN 9.5 AE 10
 I LM 03.6 T 12 AN 8.5 AE 3 AV 8.5 MLM = 5.4

1976 DEC 27
 I 11 37 42

1976 DEC 27 TRACES
 I 11 57 34

1976 DEC 27 CENTRAL YUGOSLAVIA
 I 12 05 25
 I 06 14
 I (SN) 06 47
 I SG 07 09
 I 07 45

1976 DEC 27 NEW BRITAIN REGION
 I PKP 13 42 22

1976 DEC 27 FRANCE
 ALPS
 I SG 15 41 35
 I 45 57

1976 DEC 27 MINDANAO, PHILIPPINE ISLANDS
 I P 16 28 00 1.5 / 17

1976 DEC 27 HOKKAIDO, JAPAN, REGION
 I P 18 20 07.6 0.9 / 14

1976 DEC 27 TRACES: NORTHERN ITALY FRIULI
 I SG 22 06 01

1976 DEC 28 NORTHERN ITALY FRIULI
 I SG U1 19 20

1976 DEC 28 CENTRAL ITALY
 I PN U2 47 25
 I (PG) 47 58
 I SN 48 47
 I SG 49 10
 I 49 51

1976 DEC 28
 I 05 24 28

1976 DEC 28 CHILE-BOLIVIA BORDER REGION
 I AP 14 05 40.8C 1.5 / 25
 I 06 09
 I PP 08 19
 I 09 47.8
 I S 10 28
 I SKS 16 11
 I SKKB 16 49
 I S 17 08
 I (PS) 18 42
 I (PPS) 19 26
 I SS 19 54
 I LM 24.2
 I L 46
 I 55

T 20 AN 1 AE 2 AV 2.5 MLM = 5.7 (NO DEPTH CONNECTION)

D= 13.7 DEG AZ=356
 53.2NI159.5W 40KM H=14 47 38.1 (U)
 53.0NI159.3W 14 47 35 (M)

D= 95.1 DEG AZ=202
 40.061 16.7W 33KM H=14 35 55.9 (U)

D= 43.4 DEG AZ= 82
 38.7NI 13.5E 97KM H=01 20 57.1 (U)
 39.3NI 13.2E 01 20 51 (M)

D= 80.1 DEG AZ= 31
 39.7NI143.5E 33KM H=04 22 15.8 (U)
 39.3NI143.4E 04 22 17 (M)

D= 4.5 DEG AZ=213
 47.5NI 9.4E 10KM H=08 59 39 (U)
 47.3NI 9.6E 08 59 36.4 (ZUERICH)

D= 75.5 DEG AZ=155
 39.7NI 23.0E 30KM H=07 54 13.3 (U)
 39.7NI 23.0E 10KM 07 54 13.3 (M)
 38.8NI 23.0E 07 54 09 (M)

D= 6.4 DEG AZ=158
 43.4NI 17.5E 34KM H=12 05 03.6 (U)
 43.5NI 17.5E 10KM 12 05 03.5 (M)

D=122.6 DEG AZ= 50
 4.5S1152.8E 48KM H=13 25 29.8 (U)

D= 7.7 DEG AZ=214
 44.8NI 6.9E 10KM H=15 37 31.0 (U)
 44.8NI 6.8E 10KM 15 37 30.0 (U)

D= 99.7 DEG AZ= 67
 0.1NI126.7E 107KM H=16 14 26.1 (U)
 0.1NI126.7E 16 14 18 (M)

D= 7.7 DEG AZ= 35
 42.3NI144.7E 60KM H=18 08 16.6 (U)
 43.0NI144.0E 18 08 17 (M)

D= 8.0 DEG AZ=177
 45.3NI 13.0E 33KM H=02 45 23.3 (U)
 45.1NI 13.5E 10KM 02 45 23.5 (M)

D=101.1 DEG AZ=250
 21.1S1 08.0W 89KM H=13 51 56.9 (U)
 21.9S1 09.1W 150KM 13 52 02 (M)
 DISTANCE 100 DEG

1976 DEC 26 TRACES
E P 15 25 12

1976 DEC 26 SOUTH OF HONSHU, JAPAN
I P 16 56 58.7C 1.2 / 22

1976 DEC 26 17 26 18.0D 0.6 / 30
I P

1976 DEC 26 EASTER, TURKEY
E(P) 18 00 33

1976 DEC 26 UNDERGROUND EXPLOSION
PRUDERK
I P 18 12 18.2C 1.4 / 43

1976 DEC 29 TRACES
E 04 24 31

1976 DEC 29 SOUTH OF FIJI ISLANDS
E PKP1 05 51 54

1976 DEC 29 HO, SHU, JAPAN
I P 14 48 45.4 1.1 / 97
E AP 47 22
E PP 51 30
E S 56 40
E PS 54 43
E LM 15 20 T 16 An 0.5 AE 1 MLM =5.3 (NO DEPTH CONNECTION)
E L 30 T 12 An 0.5 AE 0.5 AV 1

1976 DEC 29 TRACES, EXPLOSION OF 11.0 TONS; CZECHOSLOVAKIA
E SG 15 15 32

1976 DEC 29 ADRIATIC SEA
E 20 26 04
E SG 24 39

1976 DEC 30 UNDERGROUND EXPLOSION
I P 14 00 37.2C 1.0 / 40
E 00 05

1976 DEC 30 OFF EAST COAST OF KAMCHATKA
I P 05 33 33.0C
E 33 43

1976 DEC 30 MEDITERRANEAN SEA
E P 10 41 57
E 42 15

1976 DEC 30 SOUTH OF FIJI ISLANDS
I PKP1 3 28 30.7 0.8 / 48
E PKP2 20 31

1976 DEC 30 SOUTHERN GREECE
I P 5 16 15.7D 0.4 / 90
E 16 23
E SS 19 19

1976 DEC 30 KUNILE ISLANDS
I P 22 14 06.5 1.2 / 18

1976 DEC 30 FERMADEC ISLANDS REGION
E PKIP 23 24 34
E PKP2 30 04

1976 DEC 31
I P 13 16 51.0

1976 DEC 31 HOKKAIDO, JAPAN, REGION
I P 10 26 48.2C
E AP 26 32.3 1.4 / 67
E 20 15
E 21 29

1976 DEC 31 TRACES; SOUTHERN GREECE
E P 16 07 36

D= 85.3 DEG AZ= 41
32.0N1142.5E 33KM H=16 44 23.0 (u)
33.0N1142.4E 16 44 25 (u)

D= 24.4 DEG AZ=108
39.3N1 43.5E 27KM H=17 55 11.8 (u)
39.1N1 43.4E 10KM 17 55 13.0 (u)
39.4N1 43.7E 17 55 12 (u)

D= 81.3 DEG AZ=321
37.1N1116.0W UKM H=18 00 00.1 (u)

D=151.4 DEG AZ= 30
25.1S117.7E 361KM H=05 33 00 (u)

D= 80.4 DEG AZ= 41
30.7N1139.0E 147KM H=14 30 49.5 (u)
37.4N1138.7E 110KM 14 30 48 (u)
DISTANCE 80 DEG

D=244 KM AZ=165
49.1YN1 13.86E (u)

D= 11.0 DEG AZ=156
41.1N1 19.9E 10KM H=20 25 45.0 (u)
41.5N1 19.2E 10KM 20 25 50.8 (u)
39.7N1 17.5E 20 23 34 (u)

D= 40.2 DEG AZ= 60
49.8N1 18.1E 0KM H=03 56 57.5 (u)

D= 75.9 DEG AZ= 21
51.3N1139.4E 24KM H=05 21 58.1 (u)
51.0N1139.5E 05 21 57 (u)

D= 18.2 DEG AZ=153
34.6N1 22.9E 33KM H=06 37 46.1 (u)
34.6N1 22.9E 10KM 06 37 46.1 (u)

D=152.0 DEG AZ= 27
25.2S1179.6E 501KM H=13 09 41.7 (u)

D= 15.7 DEG AZ=149
37.9N1 22.0E 34KM H=15 12 37.4 (u)
37.9N1 22.8E 10KM 15 12 37.3 (u)
37.2N1 21.9E 15 12 30 (u)

D= 75.5 DEG AZ= 25
48.2N1154.5E 41KM H=22 02 26.0 (u)
48.5N1154.5E 60KM 22 02 29 (u)

D=155.9 DEG AZ= 21
28.2S1176.4W 33KM H=23 09 45.7 (u)

D= 76.9 DEG AZ= 35
42.6N1143.2E 107KM H=09 11 06.6 (u)
43.2N1143.1E 115KM 09 11 08 (u)

D= 14.7 DEG AZ=154
37.8N1 21.2E 33KM H=16 04 29.0 (u)

Dr. B. Tittel
H. Merkel
Dr. S. Wendt