

MONTHLY TELESEISMIC BULLETIN of SZGRF-ERLANGEN - April 1997

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date          distance backazimut
station time   phase   comp per[s] ampl[nm] magn
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SZGRF or NEIC-QED LOCATION

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1997-04-01      D 72.1
  GRA1 08:40:45.0 e P      Z
NEIC:  OT 08:29:20.6 58.4N 155.3W dep 10km mb4.8
ALASKA PENINSULA

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1997-04-01      D 3.5 390km
  GRB1 11:16:52.7 e Pn     Z      M14.3
  GRA1 11:16:53.0 e Pn     Z      M14.3
SZGRF:  OT 11:15:56.6 51.4N 16.1E dep 1km
POLAND

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1997-04-01      D 22.9 AZ127
  GRA1 11:29:55.6 e P      Z
  GRA1 11:33:22.6 e (S)   Z
  GRA1 11:36:49.5 e L     Z T21.9 A188 MS3.5
NEIC:  OT 11:25:35.7 38.2N 31.3E dep 10km mb3.5
TURKEY

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1997-04-01      D 87.5 AZ 36
  GRA1 14:54:53.7 e P      Z      mb4.9
  GRA1 14:55:06.9 e pP    Z
  GRA1 14:55:13.7 e sP    Z
SZGRF:  OT 14:42:12.5 34.2N 146.3E dep 47km
OFF EAST COAST OF HONSHU, JAPAN

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1997-04-01      D 86.7
  GRA1 15:24:30.5 e P      Z      mb5.8
  GRA1 15:28:05.1 e PP    Z
  GRA1 15:28:37.1 e pPP   Z
  GRA1 15:56:02.5 e L     Z T26.3 A4396 MS5.7

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1997-04-01      D 77.8 AZ118

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GRA1 16:06:16.2 i P c Z mb4.7
 GRA1 16:06:39.6 e (pP) Z
 NEIC: OT 15:43:26.4 15.4S 67.1E dep 10km mb4.5
 MID-INDIAN RIDGE

 1997-04-01 D 97.3 AZ253
 GRA1 18:46:56.9 i P Z mb6.1
 GRA1 18:47:25.1 e pP Z
 GRA1 18:47:44.0 e sP Z
 GRA1 18:50:51.7 e PP Z
 GRA1 18:51:14.8 e pPP Z
 GRA1 19:27:22.5 e L Z T20.9 A1937 MS5.6

 1997-04-01 D 97.2
 GRA1 18:55:38.0 i P c Z mb6.2
 GRA1 18:56:09.1 e pP Z
 GRA1 18:56:29.2 e sP Z
 GRA1 18:59:31.3 e PP Z
 GRA1 19:11:41.4 e (PKKP) Z
 NEIC: OT 18:42:13.4 18.4S 69.4W dep112km mb5.9
 NORTHERN CHILE

 1997-04-02 D 79.9 AZ 28
 GRA1 00:13:35.1 i P d Z mb4.8
 GRA1 00:16:39.1 e PP Z
 GRA1 00:55:05.1 e L Z T18.6 A353 MS4.7
 SZGRF: OT 00:01:31.1 44.3N 150.6E dep 33km
 KURIL ISLANDS REGION

 1997-04-02 D 40.6 AZ106
 GRA1 02:49:29.3 e P Z mb4.2
 SZGRF: OT 02:41:53.1 27.5N 55.8E dep 33km
 SOUTHERN IRAN

 1997-04-02 D 69.5 AZ265
 GRA1 06:25:39.5 i P d Z mb5.9
 GRA1 06:25:51.0 e (pP) Z
 GRA1 06:53:33.2 e L Z T21.0 A1632 MS5.2
 SZGRF: OT 06:14:35.2 12.4N 61.5W dep 40km
 WINDWARD ISLANDS

 1997-04-02 D 80.7 AZ 3
 GRA1 18:37:51.8 i P d Z mb5.2
 GRA1 18:38:16.2 e pP Z
 GRA1 18:38:28.6 e sP Z
 GRA1 19:15:17.1 e L Z T21.5 A625 MS4.9
 SZGRF: OT 18:25:51.2 49.9N 173.2W dep 97km
 ALEUTIAN ISLANDS REGION

1997-04-02 D 51.0 AZ 74
GRA1 18:50:34.2 i P c Z mb4.5
GRA1 18:51:05.3 e pP Z
GRA1 18:51:21.9 e sP Z
SZGRF: OT 18:41:48.1 38.3N 82.9E dep137km
SOUTHERN SINKIANG PROV., CHINA

1997-04-02 D 82.0 AZ 50
GRA1 19:45:46.1 e P Z mb5.4
GRA1 19:46:12.4 e (pP) Z
GRA1 19:46:39.6 e (sP) Z
GRA1 19:49:02.7 e PP Z
GRA1 20:24:38.7 e L Z T19.5 A1294 MS5.3
SZGRF: OT 19:33:41.7 31.5N 128.6E dep126km
EAST CHINA SEA

1997-04-02 D 88.1 AZ 43
GRA1 21:59:49.1 i P c Z mb5.4
GRA1 22:00:01.5 e pP Z
GRA1 22:00:08.2 e sP Z
GRA1 22:38:41.9 e L Z T21.5 A280
SZGRF: OT 21:47:04.4 30.2N 139.6E dep 45km
SOUTH OF HONSHU, JAPAN

1997-04-03 D 92.9 AZ 50
GRA1 02:20:07.2 e P Z mb4.7
SZGRF: OT 02:06:58.5
PHILIPPINE SEA

1997-04-03 D 25.1 AZ304
GRA1 03:04:03.8 e P Z mb4.5
GRA1 03:13:19.1 e L Z T21.8 A285 MS3.7
SZGRF: OT 02:58:42.9 57.4N 29.5W dep 33km
NORTH ATLANTIC OCEAN

1997-04-03
GRA1 04:23:43.6 e PKPdf Z

1997-04-03 D 27.4 AZ305
GRA1 05:23:11.3 e P Z mb4.1
GRA1 05:23:19.1 e pP Z
GRA1 05:23:24.9 e sP Z
GRA1 05:33:27.0 e L Z T18.5 A1634 MS4.6
NEIC: OT 05:17:24.8 57.1N 33.6W dep 10km mb5.0
NORTH ATLANTIC OCEAN

1997-04-03 D 15.1 AZ321

GRA1 08:54:28.4 e P Z

1997-04-03 D 32.8 AZ352
GRA1 14:21:20.8 e P Z mb4.5
GRA1 14:31:38.8 e L Z T18.1 A80 MS3.5
SZGRF: OT 14:14:51.2 81.1N 17.0W dep 33km
NEAR NORTH COAST OF GREENLAND

1997-04-03
GRA1 16:39:45.1 e PKPab Z
GRA1 16:39:59.5 e pPKPab Z
GRA1 17:16:47.7 e L Z T19.0 A94
NEIC: OT 16:26:22.6 5.3S 103.2E dep 33km mb4.8
SOUTHERN SUMATERA, INDONESIA

1997-04-03 D 86.6 AZ294
GRA1 21:35:16.7 e P c Z mb5.0
GRA1 21:35:38.5 e pP Z
GRA1 22:16:48.8 e L Z T18.0 A139 MS4.4
SZGRF: OT 21:22:43.3 17.8N 94.8W dep 81km
CHIAPAS, MEXICO

1997-04-03 D 74.4
GRA1 22:52:10.7 i P c Z mb5.3
GRA1 23:23:43.3 e L Z T20.6 A98 MS4.1

1997-04-04 D 86.3
GRA1 07:02:09.9 e (P) Z
GRA1 07:34:58.7 e L Z T19.5 A99 MS4.2
NEIC: OT 06:49:41.7 11.7N 86.6W dep 93km mb4.9
NEAR COAST OF NICARAGUA

1997-04-04 D 75.4 AZ128
GRA1 10:37:34.3 e P d Z mb4.7
GRA1 10:37:41.5 e pP Z
GRA1 10:37:45.9 e sP Z
SZGRF: OT 10:25:51.4
SOUTH INDIAN OCEAN

1997-04-04 D 87.6 AZ288
GRA1 14:14:13.3 e P Z mb5.0
GRA1 14:14:34.0 e pP Z
GRA1 14:49:05.7 e L Z T20.1 A166 MS4.4
SZGRF: OT 14:01:28.9 13.8N 91.4W dep 76km
NEAR COAST OF GUATEMALA

1997-04-04 D 66.3 AZ269

GRA1 16:12:00.8 e P Z mb4.6
GRA1 17:07:14.5 e L Z T19.6 A125 MS4.1
SZGRF: OT 16:01:15.9
LEEWARD ISLANDS

1997-04-05 D 81.4 AZ 46
GRA1 04:37:15.6 e P Z mb5.0
GRA1 05:16:06.3 e L Z T19.8 A401 MS4.8
NEIC: OT 04:24:51.1 31.9N 130.5E dep 33km mb4.7
KYUSHU, JAPAN

1997-04-05
GRA1 05:07:47.4 e PKP Z
GRA1 06:15:32.2 e L Z T19.4 A165

1997-04-05 D123.3
GRA1 12:42:22.1 i PKP d Z
GRA1 12:42:42.0 e pPKP Z
GRA1 12:44:26.4 e PP Z
GRA1 13:33:37.5 e L Z T21.4 A3626 MS6.0
NEIC: OT 12:23:30.5 6.5S 147.4E dep 68km mb6.0
EASTERN NEW GUINEA REG., P.N.G.

1997-04-05
GRA1 12:52:11.1 e (PKPab) Z

1997-04-05
GRA1 15:58:57.3 e PKP d Z
GRA1 15:59:01.1 e (pPKP) Z

1997-04-05
GRA1 16:06:49.2 e PKP d Z

1997-04-05 D 70.2
GRA1 17:15:13.0 e P d Z mb4.7
GRA1 17:41:03.8 e L Z T20.6 A215 MS4.4

1997-04-05 D 56.8 AZ 80
GRA1 17:41:45.9 e P Z mb4.4
GRA1 18:07:31.9 e L Z T18.2 A348 MS4.5

1997-04-05
GRA1 20:17:14.4 e PKPab d Z

GRA1 20:17:30.8 e pPKPab Z

1997-04-05 D149.1

GRA1 20:30:22.4 e PKPdf Z

GRA1 20:30:25.6 i PKPbc d Z

GRA1 20:30:29.5 e PKPab Z

NEIC: OT 20:11:46.7 18.0S 178.5W dep600km mb4.6

FIJI ISLANDS REGION

1997-04-05 D 86.3 AZ 53

GRA1 20:50:12.4 i P d Z mb5.2

GRA1 20:50:26.8 e pP Z

GRA1 20:50:35.7 e sP Z

GRA1 20:53:25.7 e PP Z

GRA1 21:31:52.9 e L Z T18.0 A2403 MS5.6

SZGRF: OT 20:37:37.4 26.1N 128.6E dep 54km

RYUKYU ISLANDS

1997-04-05 D 84.4 AZ 53

GRA1 21:04:26.8 e P d Z mb5.2

GRA1 21:04:36.7 e pP Z

GRA1 21:04:42.1 e sP Z

GRA1 21:07:33.5 e PP Z

GRA1 21:46:41.3 e L Z T17.1 A2837 MS5.7

SZGRF: OT 20:51:58.9 27.9N 127.7E dep 36km

RYUKYU ISLANDS

1997-04-05

GRA1 23:11:54.4 e PKP Z

1997-04-05 D 45.9 AZ 77

GRA1 23:54:45.6 i P d Z mb5.6

GRA1 23:56:42.5 e PP Z

GRA1 00:16:01.9 e L Z T20.6 A15292 MS5.9

SZGRF: OT 23:46:27.2 39.6N 76.1E dep 33km

SOUTHERN SINKIANG PROV., CHINA

1997-04-06 D 53.7 AZ 75

GRA1 02:28:55.6 e P Z mb4.5

GRA1 02:48:49.7 e L Z T18.8 A153 MS4.1

NEIC: OT 02:20:40.5 37.9N 73.1E dep 33km mb4.5

TAJIKISTAN

1997-04-06 D 46.7

GRA1 04:45:02.0 i P d Z mb5.9

GRA1 04:46:54.1 e PP Z

GRA1 05:05:25.8 e L Z T20.2 A11145 MS5.8

NEIC: OT 04:36:34.8 39.4N 77.0E dep 33km mb5.7
SOUTHERN XINJIANG, CHINA

1997-04-06 D 54.6 AZ 74
GRA1 05:17:56.4 e P Z mb4.5
GRA1 05:18:05.7 e pP Z
SZGRF: OT 05:08:32.0 36.0N 86.5E dep 34km
TIBET

1997-04-06 D 76.1 AZ 78
GRA1 12:56:35.7 e (P) Z mb4.4
GRA1 12:56:40.2 e (pP) Z
SZGRF: OT 12:44:51.4
SOUTHEAST ASIA

1997-04-06 D 75.2 AZ 77
GRA1 12:56:59.7 i P d Z mb4.9
GRA1 12:57:11.2 e pP Z
GRA1 12:57:14.9 e sP Z
SZGRF: OT 12:45:21.7 19.4N 100.8E dep 39km
SOUTHEAST ASIA

1997-04-06 D 45.9 AZ 77
GRA1 13:06:45.6 i P d Z mb5.5
GRA1 13:27:07.9 e L Z T20.5 A1093 MS4.8
SZGRF: OT 12:58:27.0 39.7N 76.2E dep 33km
SOUTHERN SINKIANG PROV., CHINA

1997-04-06 D 91.4 AZ266
GRA1 17:38:02.6 i P c Z mb4.9
GRA1 18:03:04.7 e L Z T20.0 A305 MS4.7
NEIC: OT 17:24:56.6 2.8S 77.8W dep 33km mb5.2
PERU-ECUADOR BORDER REGION

1997-04-06 D 29.6 AZ267
GRA1 17:51:20.7 e P Z mb4.1
SZGRF: OT 17:45:19.5
AZORES ISLANDS REGION

1997-04-06 D 20.0
GRA1 18:44:31.3 e PnI Z
SZGRF: OT 18:39:59.0 30.1N 16.6E dep 33km
NEAR COAST OF LIBYA

1997-04-07
GRA1 02:40:28.1 e PKPdf Z
GRA1 02:40:47.8 e (pPKPdf)Z
NEIC: OT 02:21:45.6 7.3S 146.3E dep 33km mb5.3
EASTERN NEW GUINEA REG., P.N.G.

1997-04-07 D 20.3
GRA1 04:35:26.8 e PnI Z
GRA1 04:39:15.4 e (SnI) Z

1997-04-08 D 57.4 AZ 76
GRA1 03:42:46.5 e P Z mb4.4
GRA1 04:03:51.6 e L Z T17.5 A178 MS4.2

1997-04-08 D 15.0 AZ210
GRA1 03:46:38.0 e P Z

1997-04-08 D147.7
GRA1 04:55:30.0 i PKPdf c Z
GRA1 06:08:31.1 e L Z T18.5 A380 MS5.2

1997-04-08 D 83.5 AZ 65
GRA1 05:25:43.6 e P Z mb4.7
NEIC: OT 05:12:42.6 14.9N 119.9E dep 33km mb4.8
LUZON, PHILIPPINE ISLANDS

1997-04-08 D 80.1 AZ 3
GRA1 15:26:22.0 i P c Z mb5.4
GRA1 15:26:34.4 e (pP) Z
GRA1 16:16:27.4 e L Z T21.9 A1048 MS5.1
SZGRF: OT 15:14:17.3 50.6N 173.1W dep 43km
ANDREANOF ISLANDS, ALEUTIAN IS.

1997-04-08
GRA1 17:01:47.0 e PKPdf Z

1997-04-08 D 68.7 AZ266
GRA1 17:23:08.6 i P d Z mb5.5
GRA1 17:23:14.2 e (pP) Z
GRA1 17:49:30.5 e L Z T23.1 A902 MS4.9
SZGRF: OT 17:12:06.2 13.5N 61.6W dep 20km
WINDWARD ISLANDS

1997-04-08 D 87.6 AZ 59
GRA1 18:19:55.1 i P d Z mb6.1
GRA1 18:20:18.2 e pP Z
GRA1 18:23:23.1 e PP Z
GRA1 19:06:16.8 e L Z T19.0 A1287 MS5.4
SZGRF: OT 18:07:17.7 21.4N 123.9E dep 87km

SOUTHEAST OF TAIWAN

1997-04-09 D 74.4 AZ264
GRA1 01:01:26.4 e P Z mb4.5
SZGRF: OT 00:49:51.7
VENEZUELA

1997-04-09
GRA1 02:06:20.0 e PKPdf Z

1997-04-09
GRA1 02:31:16.8 e PKPdf Z
GRA1 02:31:21.7 e (pPKPdf)Z
GRA1 03:40:59.4 e L Z T18.9 A84

1997-04-09 D 91.5 AZ 46
GRA1 03:00:22.1 e (P) Z

1997-04-09 D 71.7 AZ275
GRA1 03:23:07.3 e P Z mb4.6
SZGRF: OT 03:11:48.6 17.1N 70.4W dep 33km
DOMINICAN REPUBLIC REGION

1997-04-09 D 85.0 AZ 40
GRA1 04:03:06.0 i P d Z mb5.0
GRA1 04:03:23.7 i pP Z
GRA1 04:03:36.6 e sP Z
SZGRF: OT 03:50:40.0 34.3N 140.4E dep 72km
NEAR EAST COAST OF HONSHU, JAPAN

1997-04-09 D 49.5 AZ 74
GRA1 04:11:10.3 e P c Z mb4.6
GRA1 04:32:32.3 e L Z T18.8 A242 MS4.2
SZGRF: OT 04:02:24.2 39.2N 81.4E dep 33km
SOUTHERN SINKIANG PROV., CHINA

1997-04-09 D 88.9 AZ 49
GRA1 07:15:32.1 i P c Z mb5.8
GRA1 07:15:42.7 e pP Z
GRA1 07:15:52.7 e sP Z
GRA1 07:18:50.6 e PP Z
GRA1 07:19:00.0 e pPP Z
GRA1 07:26:05.5 e S Z
GRA1 07:57:46.9 e L Z T19.3 A2662 MS5.7
SZGRF: OT 07:02:43.3 26.2N 133.9E dep 44km
EAST OF RYUKYU ISLANDS

1997-04-09 D148.9
GRA1 19:11:41.7 e PKPdf Z
GRA1 19:11:48.5 e PKPab Z

1997-04-09
GRA1 21:54:18.5 e PKPdf Z
NEIC: OT 21:42:36.0 32.5S 70.2W dep100km
CHILE-ARGENTINA BORDER REGION

1997-04-10 D 68.9 AZ264
GRA1 02:34:46.8 e P Z mb4.9
GRA1 03:02:35.5 e L Z T20.3 A87 MS4.0
SZGRF: OT 02:23:45.0 12.2N 60.4W dep 33km
WINDWARD ISLANDS

1997-04-10 D 55.4 AZ 74
GRA1 03:07:01.8 e P Z mb4.7
NEIC: OT 02:58:35.5 39.4N 76.8E dep 33km mb4.5
SOUTHERN XINJIANG, CHINA

1997-04-10 D 43.4 AZ 77
GRA1 03:10:16.8 e P Z mb4.0
SZGRF: OT 03:02:18.0
KIRGHIZ SSR

1997-04-10 AZ138
GRA1 08:31:44.3 e P Z

1997-04-10 AZ 32
GRA1 11:04:12.4 e PKPab Z
NEIC: OT 10:43:04.1 21.1S 179.3W dep650km mb4.7
FIJI ISLANDS REGION

1997-04-11 D 86.0 AZ 58
GRA1 03:36:19.3 e P Z mb4.9
GRA1 03:36:28.6 e pP Z
GRA1 04:19:04.4 e L Z T19.9 A196 MS4.5
SZGRF: OT 03:23:42.8 23.7N 124.4E dep 32km
SOUTHWESTERN RYUKYU ISLANDS

1997-04-11 D 47.3 AZ 76
GRA1 04:37:38.7 i P d Z mb4.9
SZGRF: OT 04:29:09.3 39.3N 78.0E dep 33km
SOUTHERN SINKIANG PROV., CHINA

1997-04-11 D 46.7 AZ 76

GRA1 05:43:12.5 i P c Z mb5.8
 GRA1 05:43:18.6 e (pP) Z
 GRA1 05:43:22.7 e sP Z
 GRA1 06:02:58.1 e L Z T21.3 A16455 MS6.0
 SZGRF: OT 05:34:46.8 39.6N 77.3E dep 24km
 SOUTHERN SINKIANG PROV., CHINA

 1997-04-11 D 84.7 AZ 51
 GRA1 09:45:40.6 i P d Z mb5.5
 GRA1 09:45:51.4 e pP Z
 GRA1 09:48:59.1 e PP Z
 GRA1 09:49:10.0 e pPP Z
 GRA1 10:28:26.0 e L Z T18.2 A2377 MS5.6
 SZGRF: OT 09:33:11.6 28.9N 129.8E dep 37km
 RYUKYU ISLANDS

 1997-04-11 D 88.1 AZ 49
 GRA1 12:14:26.5 i P d Z mb5.9
 GRA1 12:14:36.8 e pP Z
 GRA1 12:17:46.3 e PP Z
 GRA1 12:17:56.1 e pPP Z
 GRA1 12:56:40.3 e L Z T18.7 A1953 MS5.5
 SZGRF: OT 12:01:40.3 26.9N 133.4E dep 35km
 EAST OF RYUKYU ISLANDS

 1997-04-12
 GRA1 04:30:48.4 e PKPdf Z
 GRA1 04:31:04.3 e (pPKPdf)Z
 GRA1 05:21:55.8 e L Z T20.7 A91
 NEIC: OT 04:11:54.4 4.6S 152.9E dep 70km mb4.9
 NEW BRITAIN REGION, P.N.G.

 1997-04-12
 GRA1 07:36:56.4 e PKP Z

 1997-04-12 D158.9
 GRA1 09:41:28.9 e PKPdf Z
 GRA1 09:42:03.5 i PKPab d Z
 GRA1 09:42:53.3 e pPKPab Z
 GRA1 09:45:39.5 e PP Z
 GRA1 09:45:52.9 e pPP Z
 GRA1 10:55:19.8 e L Z T21.4 A328 MS5.1

 1997-04-12 D 90.5 AZ137
 GRA1 18:55:32.6 e P Z mb4.8
 GRA1 18:55:40.6 e (pP) Z
 SZGRF: OT 18:42:31.5

ATLANTIC-INDIAN RISE

1997-04-12GRA1 21:04:58.4 e PKPdf Z
GRA1 21:05:05.7 e pPKPdf Z-----
1997-04-12 D 53.0 AZ 74GRA1 21:17:37.5 i P d Z mb5.4
GRA1 21:19:28.1 e PP Z
GRA1 21:24:46.1 e S Z
GRA1 21:38:09.6 e L Z T21.9 A1392 MS5.0
NEIC: OT 21:09:08.9 39.5N 76.9E dep 20km mb5.2

SOUTHERN XINJIANG, CHINA

1997-04-12 D 2.5 276kmGRC1 23:00:42.1 e Pn Z M13.5
GRA1 23:00:50.2 e Pn Z M13.8
GRA1 23:01:29.6 e Sn N-----
1997-04-12 D 2.3 254km

GRB5 15:37:48.6 e Pn Z

1997-04-13 D 78.9 AZ 34GRA1 01:31:11.5 i P c Z mb4.6
GRA1 01:31:23.3 e (pP) Z
SZGRF: OT 01:19:13.8 42.4N 142.8E dep 41km

HOKKAIDO, JAPAN REGION

1997-04-13 D 86.4 AZ 63GRA1 05:07:37.0 e P c Z mb4.7
GRA1 05:11:43.0 e (PP) Z
GRA1 05:55:47.5 e L Z T21.1 A158 MS4.4
NEIC: OT 04:53:57.6 8.0N 126.6E dep 60km mb5.2

MINDANAO, PHILIPPINE ISLANDS

1997-04-13 D149.3GRA1 09:08:05.1 e PKPdf Z
GRA1 09:08:12.8 e PKPab Z
NEIC: OT 08:48:34.5 21.1S 176.6W dep200km mb4.7
FIJI ISLANDS REGION-----
1997-04-13 D 3.7 407kmGRA1 09:53:47.1 e Pn Z M14.4
SZGRF: OT 09:52:49.5 51.5N 16.2E dep 1km
POLAND

1997-04-13

GRA1 10:05:05.4 e PKPdf Z

1997-04-13 D148.0

GRA1 15:37:03.3 e PKPdf Z

GRA1 15:37:07.9 e PKPab Z

NEIC: OT 15:17:23.6 19.7S 175.3W dep100km mb4.8

TONGA ISLANDS

1997-04-13 D 86.8 AZ 57

GRA1 17:57:41.6 i P d Z mb5.3

GRA1 17:58:00.6 e pP Z

GRA1 18:39:21.1 e L Z T20.0 A314 MS4.7

SZGRF: OT 17:45:06.1 23.6N 125.8E dep 69km

SOUTHWESTERN RYUKYU ISLANDS

1997-04-13 D 60.8 AZ 39

GRA1 18:13:44.4 i P d Z T0.9 A10 mb4.7

GRA1 18:39:21.1 e L Z T20.0 A314

NEIC: OT 18:04:16.1 56.0N 109.1E dep 33km mb4.8

LAKE BAYKAL REGION, RUSSIA

1997-04-13 D162.8

GRA1 19:33:07.4 e PKPdf Z

GRA1 19:33:54.7 e PKPab Z

GRA1 20:44:57.3 e L Z T22.0 A153 MS4.8

NEIC: OT 19:13:09.6 33.4S 179.5W dep 33km mb5.3

SOUTH OF KERMADEC ISLANDS

1997-04-13 D135.0

GRA1 20:13:13.6 e PKPdf Z

GRA1 20:13:21.1 e pPKPdf Z

GRA1 20:15:45.5 e PP Z

GRA1 21:13:07.7 e L Z T20.8 A574 MS5.2

1997-04-13

GRA1 21:41:32.5 e (PKPdf) Z

GRA1 21:41:45.3 e PKPab Z

GRA1 21:42:04.4 e pPKPab Z

NEIC: OT 21:21:44.3 22.8S 176.4W dep 63km mb4.7

SOUTH OF FIJI ISLANDS

1997-04-13 D 45.9 AZ 87

GRA1 23:01:38.7 e P Z mb4.4

1997-04-13 D 98.7

GRA1 23:34:13.4 e Pdiff c Z
GRA1 23:38:07.5 e PP Z
GRA1 23:45:10.6 e S Z
GRA1 23:46:56.9 e SP Z
GRA1 23:52:14.9 e SS Z
GRA1 00:15:04.8 e L Z T21.5 A1812 MS5.5
NEIC: OT 23:20:33.7 18.4S 71.3W dep 33km mb5.2
OFF COAST OF NORTHERN CHILE

1997-04-14 D 47.8 AZ 75
GRA1 00:10:38.2 i P c Z mb4.7
GRA1 00:10:48.9 e pP Z
SZGRF: OT 00:02:05.7 39.8N 79.3E dep 40km
SOUTHERN SINKIANG PROV., CHINA

1997-04-14 D 56.5 AZ 73
GRA1 01:43:29.2 i P d Z mb4.5
GRA1 02:05:51.9 e L Z T19.9 A191 MS4.2
SZGRF: OT 01:33:50.8 35.7N 89.3E dep 33km
TIBET

1997-04-14
GRA1 02:54:10.3 e PKPdf Z
NEIC: OT 02:35:10.2 8.5S 158.9E dep109km mb5.0
SOLOMON ISLANDS

1997-04-14 D 92.3 AZ149
GRA1 06:06:52.1 e P Z mb5.4
GRA1 06:48:20.5 e L Z T20.6 A376 MS4.8
NEIC: OT 05:53:33.3 37.9S 48.6E dep 10km mb5.1
SOUTHWEST INDIAN RIDGE

1997-04-14
GRA1 08:37:52.2 e (PKPdf) Z
GRA1 09:29:10.1 e L Z T18.9 A290

1997-04-14 D 87.8 AZ151
GRA1 09:42:44.5 e P Z mb4.9
GRA1 10:27:41.9 e L Z T19.0 A479 MS4.9
NEIC: OT 09:29:26.5 38.0S 48.5E dep 10km mb5.2
SOUTHWEST INDIAN RIDGE

1997-04-14 D 70.0 AZ 80
GRA1 18:04:29.2 i P d Z mb5.0
GRA1 18:04:55.8 e pP Z
GRA1 18:05:06.9 e sP Z
GRA1 18:37:18.1 e L Z T19.5 A296 MS4.5
SZGRF: OT 17:53:30.0 21.8N 95.3E dep105km

BURMA

 1997-04-14 AZ146
 GRA1 19:51:48.8 e P Z
 NEIC: OT 19:47:00.3 34.6N 32.1E dep 33km mb4.1
 CYPRUS REGION

1997-04-15 D 73.5 AZ 80
 GRA1 00:24:10.6 i P c Z mb5.2
 GRA1 00:24:34.0 e pP Z
 GRA1 00:24:41.2 e sP Z
 GRA1 00:55:19.8 e L Z T19.0 A90 MS4.1
 SZGRF: OT 00:12:48.2 19.4N 98.1E dep 86km
 SOUTHEAST ASIA

1997-04-15 D 75.4 AZ 19
 GRA1 00:45:25.8 i P d Z mb4.6
 SZGRF: OT 00:33:47.2 52.0N 160.2E dep 33km
 OFF EAST COAST OF KAMCHATKA

1997-04-15 D 78.8
 GRA1 00:47:14.6 e P Z mb4.7
 SZGRF: OT 00:35:16.2 44.0N 146.5E dep 33km
 KURIL ISLANDS

1997-04-15 D 80.9 AZ287
 GRA1 08:03:25.1 e P Z mb5.0
 GRA1 08:03:41.2 e pP Z
 GRA1 08:03:53.1 e sP Z
 GRA1 08:39:12.9 e L Z T19.1 A696 MS5.0
 SZGRF: OT 07:51:18.9 18.2N 86.1W dep 65km
 CARIBBEAN SEA

1997-04-15 D 80.1 AZ 51
 GRA1 13:00:42.9 e P d Z mb4.7
 SZGRF: OT 12:48:37.5
 EAST CHINA SEA

1997-04-15 D 87.5 AZ 90
 GRA1 17:53:53.4 e P d Z mb5.0
 GRA1 17:54:08.8 e pP Z
 NEIC: OT 17:41:24.8 3.8N 96.2E dep 33km mb4.9
 NORTHERN SUMATERA, INDONESIA

1997-04-15 D 50.7 AZ 74
 GRA1 18:27:38.7 i P d Z mb5.6
 GRA1 18:28:01.2 e (pP) Z
 GRA1 18:28:10.0 e sP Z
 GRA1 18:47:51.0 e L Z T18.3 A7980 MS5.8

SZGRF: OT 18:18:49.7 38.4N 82.6E dep 90km
SOUTHERN SINKIANG PROV., CHINA

1997-04-15 D 61.1 AZ 74
GRA1 18:59:59.7 e (P) Z mb4.1

1997-04-15 D 64.2 AZ162
GRA1 19:14:34.4 i P c Z mb5.4
GRA1 19:14:37.6 e pP Z
GRA1 19:26:20.6 e L Z T18.2 A694 MS4.9

SZGRF: OT 19:03:57.8 13.1S 27.5E dep 11km
ZAMBIA

1997-04-15 D 91.9 AZ302
GRA1 20:13:27.7 e P c Z mb5.1
GRA1 20:54:43.2 e L Z T20.6 A173 MS4.5

SZGRF: OT 20:00:23.3 18.6N 105.3W dep 33km
OFF COAST OF JALISCO, MEXICO

1997-04-15 D 75.9 AZ268
GRA1 20:39:47.1 i P c Z mb5.0
GRA1 20:39:55.8 e (pP) Z
GRA1 21:10:13.9 e L Z T20.6 A268 MS4.5

1997-04-15 D 84.7 AZ 59
GRA1 21:45:56.7 e P c Z mb4.9
GRA1 22:28:38.6 e L Z T19.1 A153 MS4.4

SZGRF: OT 21:33:27.0 24.0N 122.4E dep 33km
TAIWAN REGION

1997-04-15
GRA1 22:33:30.6 e (Pn) Z

1997-04-16 D 53.4 AZ158
GRA1 00:18:54.4 e P Z mb4.4
GRA1 00:47:05.3 e L Z T18.5 A60 MS3.7

1997-04-16 D 46.3 AZ 76
GRA1 01:31:52.6 e P Z mb4.6
GRA1 01:53:14.0 e L Z T18.7 A201 MS4.1

1997-04-16 D 46.1 AZ 14
GRA1 08:50:56.4 e P d Z mb5.2
GRA1 08:51:03.0 e pP Z

GRA1 08:51:07.2 e sP Z
 GRA1 09:10:34.1 e L Z T21.9 A317 MS4.2
 SZGRF: OT 08:42:36.2 79.2N 126.9E dep 26km
 EAST OF SEVERNAYA ZEMLYA

1997-04-16 D148.7
 GRA1 16:17:50.3 e (PKPdf) Z
 GRA1 16:17:53.7 i PKPbc d Z
 GRA1 16:17:56.6 e PKPab Z
 NEIC: OT 15:59:14.7 17.6S 179.0W dep600km mb4.9
 FIJI ISLANDS REGION

1997-04-16 D 3.6 396km
 GRA1 19:16:40.7 e Pn Z M13.4
 SZGRF: OT 19:15:44.9 51.5N 16.0E dep 1km
 POLAND

1997-04-16 D 88.3 AZ287
 GRA1 19:32:24.9 i P c Z mb5.0
 GRA1 20:12:08.9 e L Z T18.9 A148 MS4.4
 SZGRF: OT 19:19:37.0 12.5N 90.9W dep 33km
 OFF COAST OF CENTRAL AMERICA

1997-04-16 D 3.6 401km
 GRB1 19:54:20.6 e Pn Z M14.0
 GRA1 19:54:20.8 e Pn Z M13.9
 SZGRF: OT 19:53:23.3 51.6N 16.1E dep 1km
 POLAND

1997-04-17 D 79.9 AZ353
 GRA1 00:49:54.8 e P Z mb4.3
 GRA1 00:50:04.9 e pP Z
 GRA1 01:35:57.5 e L Z T20.1 A195 MS4.4
 SZGRF: OT 00:37:50.7 50.3N 158.0W dep 33km
 SOUTH OF ALASKA

1997-04-17 D 54.5 AZ 63
 GRA1 01:37:49.8 e P Z mb4.3
 SZGRF: OT 01:28:26.3 43.4N 93.9E dep 33km
 NORTHERN SINKIANG PROV., CHINA

1997-04-17 D 3.6 404km
 GRB1 10:36:09.7 e Pn Z M14.5
 GRA1 10:36:11.5 e Pn Z M14.5
 SZGRF: OT 10:35:13.0 51.5N 16.3E dep 1km
 POLAND

1997-04-17 D 3.7 414km
 GRA1 12:07:38.9 e Pn Z M14.4

SZGRF: OT 12:06:40.8 51.6N 16.2E dep 1km
POLAND

1997-04-17 D 4.7 525km
GRA1 12:18:28.6 e Pn Z M13.8
GRA1 12:22:08.0 e L Z T15.8 A231 MS2.6

SZGRF: OT 12:17:18.1 45.7N 15.0E dep 10km
YUGOSLAVIA

1997-04-18 D151.3
GRA1 15:25:37.6 e PKPdf Z
GRA1 15:25:43.4 i PKPbc d Z
GRA1 15:25:50.3 e PKPab Z
GRA1 15:27:38.1 e PP Z
NEIC: OT 15:06:31.5 21.7S 178.0W dep361km mb4.7
FIJI ISLANDS REGION

1997-04-18
GRA1 19:46:23.9 e PKPab Z
GRA1 19:46:34.4 e pPKPab Z
GRA1 19:46:37.0 e sPKPab Z

1997-04-19
GRA1 03:46:07.6 e PKPab Z

1997-04-19 D 39.0 AZ106
GRA1 06:00:55.8 i P c Z mb5.1
GRA1 06:01:13.2 e pP Z
GRA1 06:01:20.4 e sP Z
GRA1 06:07:05.6 e S Z
GRA1 06:20:20.3 e L Z T22.0 A2134 MS4.9
SZGRF: OT 05:53:36.7 28.7N 54.7E dep 69km
SOUTHERN IRAN

1997-04-19 D 3.6 399km
GRA1 08:28:48.5 e Pn Z M13.7
SZGRF: OT 08:27:51.1 51.4N 16.2E dep 1km
POLAND

1997-04-19 D 3.6 401km
GRA1 08:41:20.5 e Pn Z M13.6
SZGRF: OT 08:40:23.8 51.4N 16.2E dep 1km
POLAND

1997-04-19 D 41.3 AZ105
GRA1 10:18:26.2 e P Z mb4.0
SZGRF: OT 10:10:44.0

SOUTHERN IRAN

1997-04-19

GRA1 10:30:39.9 e (PKPab) Z

1997-04-19

AZ216

GRA1 14:34:51.4 e (PKPab) Z

1997-04-19

D 48.5 AZ 13

GRA1 15:35:01.9 i P c Z T1.9 A390 mb6.2

GRA1 15:35:09.1 e pP Z

GRA1 15:35:14.5 e sP Z

GRA1 15:36:26.8 e PcP Z

GRA1 15:36:47.9 e PP Z

GRA1 15:37:03.1 e pPP Z

GRA1 15:41:53.8 e S Z

GRA1 15:54:51.3 e L Z T21.5 A2589 MS5.1

NEIC: OT 15:26:33.5 78.4N 125.9E dep 10km mb5.8

EAST OF SEVERNAYA Z EMLYA,

1997-04-19

D 21.7 AZ325

GRA1 16:13:07.6 e P Z mb4.3

SZGRF: OT 16:08:20.1

ICELAND

1997-04-19

GRA1 21:58:17.3 e PKPdf Z

1997-04-19

D 39.7 AZ104

GRA1 22:39:19.9 i P c Z mb4.4

GRA1 22:39:25.6 e pP Z

SZGRF: OT 22:31:49.3 29.2N 56.5E dep 21km

SOUTHERN IRAN

1997-04-19

GRA1 23:22:43.0 e PKP Z

1997-04-20

D 1.7 190km

GRA1 07:25:52.7 e Pn Z

1997-04-20

GRA1 00:36:06.1 e (PKP) Z

1997-04-20 D152.2
GRA1 05:27:30.9 e PKPdf Z
GRA1 05:27:33.3 e (pPKPdf)Z
GRA1 05:27:46.4 e PKPab Z
NEIC: OT 05:08:38.7 24.8S 179.1E dep600km mb4.9
SOUTH OF FIJI ISLANDS

1997-04-20 D 52.5 AZ221
GRA1 13:30:04.2 e P Z mb4.8
GRA1 13:54:03.4 e L Z T19.8 A125 MS4.0
SZGRF: OT 13:20:52.9
NORTH ATLANTIC OCEAN

1997-04-20 D149.4
GRA1 16:39:36.3 e PKPdf Z
GRA1 16:39:44.1 e PKPab Z

1997-04-20 D148.7
GRA1 19:04:25.7 e PKPdf Z
GRA1 19:04:30.3 e pPKPdf Z
GRA1 19:04:31.9 e PKPab Z
GRA1 19:06:05.2 e PP Z
NEIC: OT 18:44:42.3 19.5S 177.2W dep 33km mb5.5
FIJI ISLANDS REGION

1997-04-20 D 89.0 AZ 58
GRA1 20:22:50.7 e P Z mb4.9
SZGRF: OT 20:09:59.9
PHILIPPINE SEA

1997-04-20 D 25.6 AZ129
GRA1 21:13:41.1 e P Z mb4.4
GRA1 21:13:44.3 e pP Z
SZGRF: OT 21:08:12.2
DEAD SEA REGION

1997-04-20 D147.8
GRA1 22:00:58.3 i PKPdf d Z
GRA1 22:01:02.5 e PKPab Z

1997-04-20 D 85.0 AZ294
GRA1 22:42:19.0 i P d Z mb4.9
SZGRF: OT 22:29:47.2
GULF OF CAMPECHE

1997-04-21 D104.5
GRA1 02:56:46.4 e Pdiff Z

GRA1 03:01:07.7 e PP Z
GRA1 03:46:40.2 e L Z T21.8 A273 MS4.7
NEIC: OT 02:42:43.8 .1S 124.0E dep 33km mb5.4
MINAHASSA PENINSULA, SULAWESI

1997-04-21 D 78.6 AZ 1
GRA1 04:57:26.9 i P c Z mb4.9
GRA1 04:57:49.3 e pP Z
GRA1 05:35:12.6 e L Z T20.8 A92 MS4.1
SZGRF: OT 04:45:30.0 52.0N 170.5W dep 85km
FOX ISLANDS, ALEUTIAN ISLANDS

1997-04-21
GRA1 07:29:43.9 e PKPab Z

1997-04-21 D 44.9
GRA1 09:24:21.4 i P c Z mb5.1
GRA1 09:24:55.0 e pP Z
GRA1 09:25:11.5 e sP Z

1997-04-21 D137.7
GRA1 12:21:42.4 e PKPdf Z
GRA1 12:24:56.6 e PP Z

1997-04-21 D138.3
GRA1 12:30:54.1 e PKPdf Z
GRA1 12:33:43.0 e PP Z
GRA1 12:34:25.1 e (pPP) Z

1997-04-21 D138.2
GRA1 12:47:53.9 e PKPdf Z

1997-04-21
GRA1 12:51:27.3 e PKPdf Z

1997-04-21
GRA1 13:43:36.7 e PKPdf Z
NEIC: OT 13:24:10.0 13.1S 166.4E dep 33km mb4.9
VANUATU ISLANDS

1997-04-21
GRA1 13:47:15.2 e PKPdf Z

1997-04-21

GRA1 14:54:48.7 e PKPdf Z

GRA1 14:54:56.6 e pPKPdf Z

1997-04-21

GRA1 15:36:59.2 e PKPdf Z

NEIC: OT 15:17:34.3 13.4S 166.4E dep 33km mb5.2

VANUATU ISLANDS

1997-04-21 D 84.7

GRA1 15:38:06.9 i P c Z mb5.2

SZGRF: OT 15:25:37.9 44.1N 169.5E dep 33km

NORTH PACIFIC OCEAN

1997-04-21 D 50.7 AZ 94

GRA1 15:56:27.2 e P Z mb4.4

NEIC: OT 15:47:56.8 29.8N 68.2E dep 33km mb4.6

PAKISTAN

1997-04-21 D151.6

GRA1 18:12:35.7 e PKPdf Z

GRA1 18:12:42.7 i PKPbc d Z

GRA1 18:12:52.8 e PKPab Z

GRA1 18:15:07.0 e pPKPbc Z

NEIC: OT 17:53:58.3 21.3S 179.3W dep616km mb4.9

FIJI ISLANDS REGION

1997-04-21 D 3.5 387km

GRB1 19:45:19.8 e Pn Z M14.0

GRA1 19:45:21.4 e Pn Z M13.9

1997-04-21

GRA1 20:26:08.2 e PKP Z

1997-04-21 D138.5

GRA1 20:54:30.1 e PKPdf Z

1997-04-21

GRA1 20:58:04.7 e PKPdf Z

1997-04-21 D138.2

GRA1 21:43:17.1 e PKPdf Z

 1997-04-21 D 72.5 AZ 32
 GRA1 21:46:08.4 e P Z mb4.8
 SZGRF: OT 21:34:46.3
 SAKHALIN ISLAND

1997-04-21
 GRA1 21:46:51.7 e PKPdf Z

1997-04-22
 GRA1 02:15:10.8 e PKP Z

1997-04-22
 GRA1 03:14:06.7 e PnI Z
 GRA1 03:15:40.9 e SgI N
 SZGRF: OT 03:13:58.4 dep 33km
 OFF S. COAST OF NORTHWEST AFRICA

1997-04-22 D 93.3 AZ 91
 GRA1 06:09:02.5 e P Z mb6.0
 GRA1 06:09:09.9 e pP Z
 GRA1 06:12:48.1 e PP Z
 GRA1 06:13:10.7 e pPP Z
 GRA1 06:50:31.6 e L Z T21.6 A221 MS4.6
 SZGRF: OT 05:55:49.6 3.3S 102.4E dep 25km
 SOUTHERN SUMATERA

1997-04-22 D 80.7 AZ 34
 GRA1 06:31:18.7 e P Z mb4.9
 GRA1 06:31:22.8 e pP Z
 SZGRF: OT 06:19:07.4 40.8N 143.7E dep 14km
 OFF EAST COAST OF HONSHU, JAPAN

1997-04-22 D 74.6 AZ266
 GRA1 09:42:37.9 i P d Z mb5.7
 GRA1 10:10:34.4 e L Z T21.4 A26397 MS6.5
 GRA1 10:10:43.4 e PKKP Z
 SZGRF: OT 09:31:02.1 9.4N 65.9W dep 33km
 VENEZUELA

1997-04-22 D 71.0 AZ263
 GRA1 10:23:00.2 i P d Z mb5.2
 SZGRF: OT 10:11:45.4 10.1N 61.2W dep 33km
 TRINIDAD

1997-04-22 D 70.6 AZ264
 GRA1 10:30:10.1 e P Z mb4.6

SZGRF: OT 10:18:57.7 10.8N 61.5W dep 33km
TRINIDAD

1997-04-22 D 69.9 AZ264
GRA1 10:33:59.5 e P Z mb5.0

SZGRF: OT 10:22:51.4 11.4N 61.1W dep 33km
WINDWARD ISLANDS

1997-04-22 D 71.4 AZ264
GRA1 11:58:08.1 e P Z mb4.7

SZGRF: OT 11:46:51.1 10.2N 61.8W dep 33km
TRINIDAD

1997-04-22
GRA1 17:11:16.2 e PKPdf Z
GRA1 17:11:25.4 e pPKPdf Z
NEIC: OT 16:51:53.5 13.2S 166.4E dep 33km mb5.5
VANUATU ISLANDS

1997-04-22
GRA1 17:14:51.7 e PKPdf Z
GRA1 17:15:09.7 e pPKPdf Z
GRA1 18:15:53.3 e L Z T21.3 A1683

1997-04-22 D 35.3 AZ108
GRA1 17:46:55.9 i P c Z mb4.8
SZGRF: OT 17:40:03.9 30.6N 50.9E dep 33km
IRAN

1997-04-22 D 84.6 AZ 52
GRA1 19:07:48.4 e P d Z mb5.0
SZGRF: OT 18:55:19.4 28.2N 128.4E dep 33km
RYUKYU ISLANDS

1997-04-22 D 78.9 AZ360
GRA1 22:13:33.4 i P c Z mb5.1
GRA1 22:13:44.4 i pP d Z
SZGRF: OT 22:01:35.1 51.8N 168.6W dep 38km
FOX ISLANDS, ALEUTIAN ISLANDS

1997-04-22
GRA1 22:24:29.4 e PKPdf Z
NEIC: OT 22:05:05.0 13.6S 166.6E dep 33km mb5.2
VANUATU ISLANDS

1997-04-22
GRA1 23:10:24.9 e PKPdf Z
NEIC: OT 22:50:57.5 14.1S 166.7E dep 33km mb4.7

VANUATU ISLANDS

1997-04-22

GRA1 23:14:06.9 e PKPdf Z

1997-04-23

GRA1 00:25:16.0 e PKPdf Z

GRA1 00:28:13.7 e PP Z

NEIC: OT 00:05:49.6 14.1S 166.8E dep 33km mb5.2

VANUATU ISLANDS

1997-04-23 D153.1

GRA1 00:28:50.3 e PKPdf Z

GRA1 00:28:58.9 e PKPbc Z

GRA1 00:29:08.1 e (PKPab) Z

1997-04-23

GRA1 03:24:55.3 e (PKPbc) Z

1997-04-23 D 3.7 408km

GRA1 03:57:47.2 e Pn Z M13.6

SZGRF: OT 03:56:50.5 51.4N 16.3E dep 10km

POLAND

1997-04-23 D138.6

GRA1 04:06:43.6 e PKPdf Z

GRA1 04:06:50.6 e pPKPdf Z

GRA1 04:09:31.6 e PP Z

GRA1 04:09:44.3 e pPP Z

GRA1 05:10:17.0 e L Z T21.3 A1964 MS5.8

1997-04-23

GRA1 08:16:36.0 e PKP Z

NEIC: OT 07:57:12.3 13.5S 166.5E dep 33km mb5.1

VANUATU ISLANDS

1997-04-23

GRA1 08:20:11.5 e PKPdf Z

GRA1 08:20:19.3 e pPKPdf Z

1997-04-23 D138.8

GRA1 08:59:19.9 e PKPdf Z

1997-04-23 D 79.8 AZ 35
GRA1 15:32:26.1 i P c Z mb5.0
GRA1 15:32:33.5 e (pP) Z
SZGRF: OT 15:20:21.6 41.5N 143.0E dep 26km
HOKKAIDO, JAPAN REGION

1997-04-23
GRA1 16:56:59.0 e Pn Z
GRA1 16:58:20.7 e (Sn) N

1997-04-23
GRA1 18:28:20.5 e PKPdf Z

1997-04-23 D104.5
GRA1 19:58:28.5 e Pdiff Z
GRA1 20:14:10.1 e PKKP Z
GRA1 20:14:29.5 e pPKKP Z
GRA1 20:46:21.7 e L Z T21.2 A7748 MS6.2
NEIC: OT 19:44:28.3 14.0N 144.9E dep100km mb6.2
MARIANA ISLANDS

1997-04-23 D 69.9 AZ265
GRA1 22:36:16.4 i P c Z mb4.8
SZGRF: OT 22:25:08.2 11.9N 61.6W dep 33km
WINDWARD ISLANDS

1997-04-23 D 3.6 398km
GRA1 22:38:38.6 e Pn Z M13.3
SZGRF: OT 22:37:42.4 51.5N 16.1E dep 10km
POLAND

1997-04-24
GRA1 02:53:49.8 e (Pn) Z

1997-04-24 D 40.4 AZ 6
GRA1 08:26:37.3 e P d Z mb4.5
SZGRF: OT 08:19:04.0 86.0N 96.9E dep 33km
NORTH OF SEVERNAYA ZEMLYA

1997-04-24 D 86.9 AZ 53
GRA1 16:51:49.3 e P Z mb5.1
SZGRF: OT 16:39:08.5 25.8N 129.2E dep 33km
RYUKYU ISLANDS REGION

1997-04-24
GRA1 17:30:29.1 e PKP Z

1997-04-24

GRA1 17:35:39.3 e PKP Z

1997-04-24

GRA1 17:39:32.1 e PKP Z

1997-04-24

GRA1 17:46:36.9 e PKP Z

1997-04-24

GRA1 22:17:24.6 e PKP Z

1997-04-25 D 60.8 AZ250

GRA1 03:02:37.2 e P Z T1.0 A10 mb4.6

SZGRF: OT 02:52:28.1 10.5N 45.5W dep 33km

NORTH ATLANTIC OCEAN

1997-04-25 D 78.9 AZ 26

GRA1 03:03:00.2 e P Z T1.2 A32 mb5.2

GRA1 03:10:57.5 e S E

GRA1 03:40:58.0 e L Z T19.4 A2152 MS5.5

SZGRF: OT 02:51:01.9 46.0N 152.4E dep 33km

KURIL ISLANDS

1997-04-25

GRA1 03:07:31.3 e (P) Z

1997-04-25 D 79.7

GRA1 05:49:41.4 e P Z T1.2 A138 mb5.8

GRA1 05:49:56.1 e pP Z

GRA1 05:50:03.0 e sP Z

GRA1 05:53:48.3 e PP Z

GRA1 05:59:25.8 e S E

GRA1 06:27:49.1 e L Z T20.3 A5799 MS5.9

SZGRF: OT 05:37:46.8 46.3N 156.3E dep 52km

KURIL ISLANDS REGION

1997-04-25 D 78.2 AZ 26

GRA1 06:03:06.0 e P Z T1.1 A21 mb5.2

GRA1 06:03:19.6 e pP Z

GRA1 06:03:27.8 e sP Z

SZGRF: OT 05:51:11.4 47.0N 153.1E dep 51km

KURIL ISLANDS

1997-04-25 D 86.1 AZ195
GRA1 09:25:17.6 e P Z T2.2 A70 mb5.4
GRA1 09:43:21.7 e SS E
GRA1 10:09:16.8 e L Z T19.2 A770 MS5.1
NEIC: OT 09:11:33.5 48.2S 9.9W dep 10km mb5.4
SOUTHERN MID-ATLANTIC RIDGE

1997-04-25 D 74.1 AZ265
GRA1 16:16:05.3 e P Z T0.9 A7 mb4.7
SZGRF: OT 16:04:32.1 8.9N 64.6W dep 33km
VENEZUELA

1997-04-25
GRA1 21:54:17.5 e P Z
NEIC: OT 21:41:20.7 29.5N 142.0E dep 33km mb5.0
SOUTH OF HONSHU, JAPAN

1997-04-25
GRA1 23:22:29.9 e PKP Z

1997-04-26 D 56.5 AZ218
GRA1 01:13:06.4 e P Z T1.7 A20 mb4.9
GRA1 01:20:48.0 e S N
GRA1 01:37:14.6 e L Z T18.9 A293 MS4.4
SZGRF: OT 01:03:26.0 .5S 19.5W dep 33km
CENTRAL MID-ATLANTIC RIDGE

1997-04-26 D 7.8
GRC3 07:32:09.5 e Pn Z
GRA1 07:32:19.8 e Pn Z M15.3
SZGRF: OT 07:30:16.5 42.2N 17.5E dep 10km
ADRIATIC SEA

1997-04-26 D 89.8 AZ287
GRA1 09:27:32.2 e P Z T1.5 A22 mb5.2
GRA1 09:28:17.5 e pP Z
GRA1 09:28:37.7 e sP Z
GRA1 09:30:53.5 e PP Z
SZGRF: OT 09:14:40.8 11.2N 91.7W dep176km
OFF COAST OF CENTRAL AMERICA

1997-04-26
GRB4 09:45:37.0 e (P) Z

1997-04-26

GRA1 10:31:37.8 e PKP Z
GRA1 11:42:22.8 e L Z T21.7 A594

1997-04-26 D 85.2 AZ324
GRA1 10:50:08.0 e P Z T1.1 A11 mb5.0
SZGRF: OT 10:37:36.3 36.2N 122.5W dep 33km
CENTRAL CALIFORNIA

1997-04-26
GRA1 12:24:39.5 e Pn Z M13.8
SZGRF: OT 12:23:42.1 51.5N 16.2E dep 1km
POLAND

1997-04-26 D 80.3 AZ 27
GRA1 15:56:43.4 e P Z T0.6 A10 mb4.9
SZGRF: OT 15:44:37.2 44.6N 152.8E dep 33km
KURIL ISLANDS REGION

1997-04-26 D 80.3 AZ 25
GRA1 17:55:22.5 e P Z T1.0 A10 mb4.7
SZGRF: OT 17:43:16.3 45.4N 155.4E dep 33km
KURIL ISLANDS REGION

1997-04-26 D 15.0
GRA1 22:21:54.1 e P Z
GRA1 22:29:04.5 e L N T19.0 A1145 MS4.0
NEIC: OT 22:18:30.1 37.3N 21.7E dep 10km mb4.8
SOUTHERN GREECE

1997-04-27 D144.6
GRA1 00:51:05.6 e PKP Z
GRA1 00:51:18.2 e pPKP Z
GRA1 00:54:22.5 e PP Z
NEIC: OT 00:31:33.1 19.1S 168.7E dep 41km mb5.8
VANUATU ISLANDS

1997-04-27
GRA1 05:38:49.4 e PKP Z

1997-04-27
GRA1 06:23:06.9 e PKP Z

1997-04-27
GRA1 07:27:31.5 e PKP Z

1997-04-27

GRA3 07:35:18.7 e PKP Z

1997-04-27 D 78.7 AZ 24

GRA1 14:21:10.6 i P c Z T1.0 A35 mb5.4

SZGRF: OT 14:09:13.4 47.2N 155.4E dep 33km

KURIL ISLANDS REGION

1997-04-27 D 78.8 AZ 25

GRA1 14:25:05.8 e P Z T0.8 A12 mb5.0

SZGRF: OT 14:13:08.0 46.8N 154.6E dep 33km

KURIL ISLANDS REGION

1997-04-27 D 79.7 AZ 24

GRA1 14:26:49.0 i P c Z T0.9 A46 mb5.4

SZGRF: OT 14:14:46.3 46.2N 155.6E dep 33km

KURIL ISLANDS REGION

1997-04-27 D 82.4 AZ 91

GRA1 17:49:41.9 e P Z T1.7 A22 mb5.0

SZGRF: OT 17:37:22.6 5.1N 95.6E dep 33km

NORTHERN SUMATERA

1997-04-27 D 3.6 401km

GRA1 18:26:48.1 e Pn Z M13.0

SZGRF: OT 18:25:50.1 51.4N 16.2E dep 1km

POLAND

1997-04-28 D 78.4 AZ356

GRA1 01:22:01.2 e P Z T0.9 A5 mb4.7

SZGRF: OT 01:10:05.7 52.2N 162.2W dep 33km

SOUTH OF ALASKA

1997-04-28GRA1 01:42:01.8 e PKP Z
NEIC: OT 01:22:37.0 13.2S 166.4E dep 33km mb5.2

VANUATU ISLANDS

1997-04-28 D 15.0

GRA1 03:20:13.0 e P Z

GRA1 03:27:03.6 e L Z T18.7 A1485 MS4.2

1997-04-28 D 15.0

GRA1 04:02:37.7 e (P) Z T1.6 A88

1997-04-28 D 95.6 AZ138

GRA1 11:10:04.8 e P Z T1.1 A16 mb5.5
SZGRF: OT 10:56:41.4 33.6S 64.8E dep 33km
SOUTH INDIAN OCEAN

1997-04-28 D 96.2 AZ156
GRA1 12:21:04.9 e P Z T1.8 A106 mb6.1
GRA1 12:24:54.1 e PP Z
GRA1 12:32:18.8 e Sdiff E
GRA1 12:33:32.6 e PS N
GRA1 12:38:19.4 e SS N
GRA1 13:06:14.5 e L Z T21.3 A7310 MS6.1
SZGRF: OT 12:07:38.4 42.4S 44.4E dep 33km
CROZET ISLANDS REGION

1997-04-28
GRA1 17:05:53.1 e PKP Z

1997-04-28 D 84.2 AZ 50
GRA1 17:34:51.8 e P Z T1.0 A25 mb5.4
SZGRF: OT 17:22:24.8 29.7N 130.2E dep 33km
RYUKYU ISLANDS

1997-04-28 D 90.7 AZ 32
GRA1 22:54:50.9 e P c Z T1.8 A61 mb5.6
SZGRF: OT 22:41:52.7 32.9N 152.1E dep 33km
NORTH PACIFIC OCEAN

1997-04-29 D 52.8 AZ 80
GRA1 01:45:42.0 e P Z T1.0 A11 mb4.8
NEIC: OT 01:37:39.3 38.2N 73.1E dep141km mb4.4
TAJIKISTAN-XINJIANG BORDER REG.

1997-04-29 D 79.3
GRA1 02:35:56.1 e P Z T1.6 A24 mb5.0
SZGRF: OT 02:23:54.8 22.1N 88.3W dep 33km
GULF OF MEXICO

1997-04-29
GRA1 04:09:56.1 e PKP Z
NEIC: OT 03:50:52.7 7.0S 153.8E dep 33km mb5.2
NEW BRITAIN REGION, P.N.G.

1997-04-29 D 3.7 411km
GRA1 15:12:12.4 e Pn Z M13.9
SZGRF: OT 15:11:14.6 51.6N 16.2E dep 1km
POLAND

1997-04-29

GRA1 21:41:41.4 e (PKP) Z

1997-04-30

GRA1 04:34:00.4 e PKPab Z
NEIC: OT 04:14:29.8 18.2S 174.8W dep145km mb4.5
TONGA ISLANDS

1997-04-30 D 15.7 AZ151

GRA1 05:49:54.0 e P Z mb3.9
GRA1 05:57:37.1 e L Z T18.8 A366 MS3.6
SZGRF: OT 05:46:11.1 35.5N 20.5E dep 33km
MEDITERRANEAN SEA

1997-04-30 D 17.4 AZ151

GRA1 18:39:33.4 e P Z mb3.6
GRA1 18:45:20.4 e L Z T14.3 A389 MS3.8
NEIC: OT 18:36:03.1 38.3N 22.4E dep 10km mb4.2
GREECE

1997-04-30

GRA1 19:19:34.4 e Pn Z M14.2
GRA1 19:20:30.2 e Sn N
SZGRF: OT 19:18:18.1 45.7N 16.0E dep 10km
YUGOSLAVIA

1997-04-30 D 79.4 AZ 4

GRA1 19:59:32.2 i P d Z mb4.7
SZGRF: OT 19:47:30.9 51.2N 174.3W dep 33km
ANDREANOF ISLANDS, ALEUTIAN IS.

1997-04-30 D 77.8 AZ 4

GRA1 21:31:35.3 i P d Z mb4.7
SZGRF: OT 21:19:42.8 52.7N 175.9W dep 33km
ANDREANOF ISLANDS, ALEUTIAN IS.
