

MONTHLY TELESEISMIC BULLETIN of SZGRF-ERLANGEN - March 1997

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

1997-03-01 D 47.9 AZ 93
 GRA1 00:50:39.4 e P Z T1.7 A36 mb5.2
 NEIC: OT 00:42:07.5 29.3N 68.3E dep 33km mb4.8
 PAKISTAN

1997-03-01 AZ146
 GRA1 02:21:17.4 e P Z

1997-03-01 D 48.8 AZ 75
 GRA1 04:33:55.3 e P Z mb4.5
 SZGRF: OT 04:25:14.4
 SOUTHERN SINKIANG PROV., CHINA

1997-03-01 D 45.9 AZ 75
 GRA1 06:12:42.3 e P Z T1.6 A117 mb5.7
 GRA1 06:12:48.3 e pP Z
 GRA1 06:33:04.9 e L Z T20.2 A5135 MS5.5
 NEIC: OT 06:04:13.8 39.4N 76.8E dep 22km mb5.2
 SOUTHERN XINJIANG, CHINA

1997-03-01
 GRA1 10:38:10.3 e PKPdf Z

1997-03-01 D 3.5 389km
 GRA1 12:14:56.0 e Pn Z M14.0

1997-03-01 D 24.7 AZ 90
 GRA1 13:14:54.8 e P Z
 SZGRF: OT 13:09:36.7
 EASTERN CAUCASUS

1997-03-01GRA1 21:43:20.4 e Pn Z
GRA1 21:44:33.0 e Sn Z

1997-03-01 D 5.1GRA1 23:02:34.0 e Pn Z
GRA1 23:03:30.0 e (Sn) Z

1997-03-02 D 77.6 AZ 30GRA1 01:16:20.1 i P c Z mb5.6
GRA1 01:16:35.2 e pP Z
SZGRF: OT 01:04:31.2 45.4N 146.7E dep 53km
KURIL ISLANDS

1997-03-02 D 77.5GRA1 17:51:11.0 i P d Z mb5.7
GRA1 18:16:01.6 e L Z T18.0 A218 MS4.5
NEIC: OT 17:39:22.3 53.6N 166.6W dep 58km mb5.4
FOX ISLANDS, ALEUTIAN ISLANDS

1997-03-02 D 28.6GRA1 18:35:41.2 e P c Z mb5.0
GRA1 18:35:50.4 e pP Z
GRA1 18:35:55.3 e sP Z
GRA1 18:51:31.0 e L Z T19.8 A833 MS4.3

1997-03-02 D 43.9 AZ 76GRA1 18:47:05.2 e P Z
SZGRF: OT 18:39:02.9
KIRGHIZ SSR

1997-03-03 D 87.1 AZ 63GRA1 01:52:29.2 e P Z
GRA1 01:52:38.8 e pP Z
GRA1 02:37:34.4 e L Z T19.4 A247 MS4.6
NEIC: OT 01:39:46.1 19.5N 120.2E dep 33km mb5.1
PHILIPPINE ISLANDS REGION

1997-03-03 D 38.2 AZ 81GRA1 02:33:49.1 e P Z mb4.3
NEIC: OT 02:25:20.8 29.9N 68.0E dep 33km mb4.3
PAKISTAN

1997-03-03 D 47.2

GRA1 02:37:07.6 e P Z mb4.7

GRA1 02:58:22.9 e L Z T20.9 A352 MS4.3

1997-03-03 D 23.2 AZ282

GRA1 02:59:39.9 e P Z mb4.5

SZGRF: OT 02:54:36.7

NORTH ATLANTIC RIDGE

1997-03-03

GRA1 05:21:24.5 e (P) Z

1997-03-03

GRA1 07:42:29.7 i PKPbc d Z

GRA1 07:42:33.6 e PKPab Z

NEIC: OT 07:23:52.3 17.6S 178.2W dep600km mb4.6

FIJI ISLANDS REGION

1997-03-03 D 84.5 AZ 39

GRA1 11:23:29.8 e P c Z mb5.1

GRA1 11:23:35.2 e pP Z

SZGRF: OT 11:10:59.1 35.4N 141.6E dep 18km

NEAR EAST COAST OF HONSHU, JAPAN

1997-03-03

GRA1 14:22:17.1 e (PKPab) Z

GRA1 14:22:28.3 e pPKPab Z

GRA1 15:07:16.0 e L Z T18.1 A939

1997-03-03 D 84.0 AZ 39

GRA1 15:42:53.2 e P d Z mb5.1

GRA1 15:43:01.4 e pP Z

GRA1 15:43:07.5 e (sP) Z

GRA1 16:27:34.9 e L Z T19.4 A349 MS4.7

SZGRF: OT 15:30:27.2 35.5N 140.4E dep 32km

NEAR EAST COAST OF HONSHU, JAPAN

1997-03-03 D 59.2 AZ101

GRA1 19:51:18.8 e (P) Z mb4.4

NEIC: OT 19:42:43.5 29.5N 68.2E dep 33km mb4.4

PAKISTAN

1997-03-03 D127.9

GRA1 22:52:46.9 e PKPdf Z

GRA1 22:53:02.8 e pPKPdf Z

GRA1 23:57:21.9 e L Z T20.0 A208 MS4.8

1997-03-04 D 80.3 AZ 30
GRA1 02:47:37.6 i P c Z mb4.9
SZGRF: OT 02:35:31.4 43.2N 148.8E dep 33km
KURIL ISLANDS REGION

1997-03-04 D 83.9 AZ 39
GRA1 04:03:58.5 i P d Z mb5.4
GRA1 04:04:03.4 e pP Z
GRA1 04:04:06.5 e sP Z
GRA1 04:48:50.9 e L Z T18.6 A2552 MS5.6
SZGRF: OT 03:51:31.0 35.8N 140.8E dep 18km
NEAR EAST COAST OF HONSHU, JAPAN

1997-03-04 D113.4
GRA1 04:59:05.7 e PKPdf Z
GRA1 04:59:51.7 e PP Z
NEIC: OT 04:40:39.4 7.3S 129.2E dep109km mb5.5
BANDA SEA

1997-03-04 D148.9
GRA1 06:26:09.8 e PKPdf Z
GRA1 06:26:13.2 i PKPbc c Z
GRA1 06:26:16.2 e PKPab Z
NEIC: OT 06:07:30.4 17.7S 178.8W dep550km mb5.0
FIJI ISLANDS REGION

1997-03-04
GRA1 08:00:22.6 e PKPab Z
GRA1 09:11:55.1 e L Z T20.0 A204
NEIC: OT 07:41:12.7 26.3S 178.2E dep637km mb4.5
SOUTH OF FIJI ISLANDS

1997-03-04 D 47.0 AZ 93
GRA1 13:12:23.1 i P d Z mb5.6
GRA1 13:12:42.0 e pP Z
GRA1 13:12:50.1 e sP Z
GRA1 13:34:44.3 e L Z T20.7 A5996 MS5.5
SZGRF: OT 13:04:00.8 29.8N 68.3E dep 75km
PAKISTAN

1997-03-04 D 24.2 AZ107
GRA1 14:28:07.2 i P d Z mb4.4
SZGRF: OT 14:22:53.6 38.2N 41.1E dep 33km
TURKEY

1997-03-04 D 75.7 AZ117
GRA1 17:36:11.4 e P c Z mb4.9
GRA1 17:36:23.8 e pP Z
SZGRF: OT 17:24:29.6 5.7S 71.3E dep 43km

CHAGOS ARCHIPELAGO REGION

1997-03-04 D 30.6 AZ265
GRA1 21:49:17.2 i P d Z mb5.2
GRA1 21:49:23.1 e (pP) Z
GRA1 21:49:29.6 e sP Z
GRA1 21:50:35.8 e PP Z
GRA1 22:01:17.7 e L Z T20.2 A846 MS4.4
SZGRF: OT 21:43:06.0 38.9N 29.3W dep 28km
AZORES ISLANDS

1997-03-05 D153.7
GRA1 01:50:15.3 e PKPdf Z
GRA1 01:50:21.3 e PKPbc Z
GRA1 01:50:36.2 e PKPab Z

1997-03-05
GRA1 01:53:28.1 e (PKPbc) Z
GRA1 01:53:50.7 e PKPab Z

1997-03-05 D153.3
GRA1 03:03:21.0 e (PKPdf) Z
GRA1 03:03:27.3 e PKPbc Z
GRA1 03:03:39.7 e PKPab Z

1997-03-05 D 44.6 AZ 75
GRA1 09:43:23.7 e P Z mb4.7
GRA1 10:03:31.2 e L Z T17.6 A854 MS4.7
SZGRF: OT 09:35:15.8 41.5N 75.7E dep 33km
KIRGHIZ SSR

1997-03-05 D 78.8 AZ 13
GRA1 12:31:52.4 i P c Z mb5.0
SZGRF: OT 12:19:54.8 50.5N 171.3E dep 33km
ALEUTIAN ISLANDS REGION

1997-03-05 D 83.5 AZ 39
GRA1 13:56:06.5 e P Z

1997-03-05 D138.6
GRA1 14:15:17.0 e PKPdf Z
GRA1 14:15:26.1 e pPKPdf Z
GRA1 14:18:08.0 e PP Z
GRA1 14:18:16.4 e pPP Z
NEIC: OT 13:55:52.6 13.3S 166.4E dep 33km mb5.5

VANUATU ISLANDS

1997-03-05GRA1 14:18:51.5 e PKP Z
GRA1 14:19:06.1 e (pPKP) Z-----
1997-03-05GRA1 14:19:01.4 e PKP Z
GRA1 14:19:15.8 e pPKP Z-----
1997-03-05 D 14.0GRA1 15:09:35.3 e P Z
GRA1 15:09:46.6 i P400 d Z
GRA1 15:16:15.1 e L Z T18.2 A808 MS3.9-----
1997-03-05 D 57.5 AZ 77GRA1 15:23:27.3 e P Z mb4.7
SZGRF: OT 15:13:42.0 32.2N 87.2E dep 33km
TIBET-----
1997-03-05 D 28.7 AZ 93GRA1 17:04:29.5 e P Z mb4.2
SZGRF: OT 16:58:35.5 40.9N 50.5E dep 33km
CASPIAN SEA-----
1997-03-06 D106.2GRA1 02:52:51.1 e PP Z
GRA1 03:43:51.7 e L Z T19.5 A485 MS5.1
NEIC: OT 02:34:21.1 1.9N 128.4E dep 33km mb5.2
HALMAHERA, INDONESIA-----
1997-03-06 D 73.7 AZ 19GRA1 06:31:08.6 e P c Z mb5.1
SZGRF: OT 06:19:39.5 53.4N 158.9E dep 33km
NEAR EAST COAST OF KAMCHATKA-----
1997-03-06 D 82.4 AZ 33GRA1 07:02:49.9 i P c Z mb5.3
GRA1 07:02:57.6 e pP Z
GRA1 07:03:01.1 e sP Z
NEIC: OT 06:50:46.4 40.7N 139.3E dep 33km mb4.9
NEAR WEST COAST OF HONSHU, JAPAN-----
1997-03-06 D 15.0 AZ238

GRA1 08:54:35.7 e (P) Z

1997-03-06 D145.6
GRA1 11:11:42.4 e PKPab Z
GRA1 11:11:48.9 e pPKPab Z
NEIC: OT 10:52:04.2 15.3S 173.3W dep 33km mb4.7
TONGA ISLANDS

1997-03-06 D 44.8 AZ200
GRA1 15:24:50.0 e P d Z mb4.9
GRA1 15:24:56.3 e pP Z
SZGRF: OT 15:16:37.8 6.3N 2.6W dep 23km
NORTHWEST AFRICA

1997-03-06
GRA1 20:18:28.1 e PKPdf Z
NEIC: OT 19:59:41.5 6.2S 155.3E dep169km mb5.1
SOLOMON ISLANDS

1997-03-07
GRA1 00:21:47.9 i PKPab d Z
GRA1 00:22:00.2 e pPKPab Z
GRA1 01:31:39.1 e L Z T20.8 A382

1997-03-07
GRA1 01:17:39.8 e PKPab Z
GRA1 01:17:46.3 e (pPKPab)Z

1997-03-07 D 87.2 AZ 36
GRA1 01:33:19.3 e P Z mb5.0
SZGRF: OT 01:20:37.5
OFF EAST COAST OF HONSHU, JAPAN

1997-03-07
GRA1 03:19:12.0 e PKPab Z
GRA1 03:19:24.6 e (pPKPab)Z
NEIC: OT 02:59:05.1 23.0S 175.5W dep 33km mb4.8
TONGA ISLANDS REGION

1997-03-07 D153.0
GRA1 03:23:53.9 e PKPdf Z
GRA1 03:24:05.1 e PKPbc Z
GRA1 03:24:17.0 e PKPab Z
GRA1 03:27:27.7 e PP Z
GRA1 04:34:10.2 e L Z T20.8 A1808 MS5.9
NEIC: OT 03:03:58.0 23.1S 175.6W dep 33km mb5.2
TONGA ISLANDS REGION

1997-03-07 D 86.2 AZ257
GRA1 09:54:19.5 e P Z
GRA1 09:56:34.2 e pP Z
SZGRF: OT 09:42:43.3 5.5S 66.4W dep631km
WESTERN BRAZIL

1997-03-07 D 82.9 AZ270
GRA1 17:39:55.5 e P Z mb4.7
GRA1 17:40:03.5 e pP Z
SZGRF: OT 17:27:32.9 5.4N 74.2W dep 28km
COLOMBIA

1997-03-07
GRA1 18:15:54.8 e PKPab Z
GRA1 18:16:08.1 e (pPKPab)Z

1997-03-07
GRA1 18:58:58.8 e (PKP) Z

1997-03-07 D 83.6 AZ 52
GRA1 19:16:01.1 e P Z mb4.6
SZGRF: OT 19:03:37.2
EAST CHINA SEA

1997-03-07 D 95.5 AZ259
GRA1 19:48:05.5 i P d Z mb5.2
SZGRF: OT 19:34:43.5 11.5S 73.8W dep 33km
PERU

1997-03-07 D 4.6 513km
GRC1 22:52:21.2 e Pn Z M14.2
GRA1 22:52:22.4 e Pn Z M14.0

1997-03-08 D 24.8 AZ304
GRA1 06:16:28.5 i P d Z mb4.6
GRA1 06:16:34.1 e pP Z
GRA1 06:25:33.2 e L Z T19.3 A651 MS4.1
SZGRF: OT 06:11:08.4 57.6N 29.0W dep 22km
NORTH ATLANTIC OCEAN

1997-03-08 D 26.5
GRA1 06:18:15.1 e P Z mb4.2

1997-03-08
GRA1 15:25:50.1 e Sn E

1997-03-08 D 28.3
GRA1 15:27:03.6 e P Z mb4.6

1997-03-08 D 47.8 AZ116
GRA1 15:55:58.8 e P Z
SZGRF: OT 15:47:24.2
EASTERN ARABIAN PENINSULA

1997-03-08 D153.7
GRA1 17:40:18.7 e PKPdf Z
GRA1 17:40:30.5 e PKPbc Z
GRA1 17:40:38.1 e PKPab Z
NEIC: OT 17:20:22.5 22.4S 175.0W dep 33km mb4.6
TONGA ISLANDS REGION

1997-03-08 D 25.0 AZ306
GRA1 17:47:38.4 i P d Z mb4.9
GRA1 17:57:15.6 e L Z T21.1 A954 MS4.3
SZGRF: OT 17:42:18.4 58.2N 29.3W dep 33km
NORTH ATLANTIC OCEAN

1997-03-08 D 24.5 AZ306
GRA1 18:11:38.3 e P c Z mb4.5
GRA1 18:22:17.1 e L Z T18.3 A356 MS3.9
SZGRF: OT 18:06:22.2 58.5N 28.5W dep 33km
NORTH ATLANTIC OCEAN

1997-03-08 D 4.1 461km
GRC1 18:54:41.8 e Pn Z

1997-03-08 D 7.9
GRC1 21:30:26.9 e Pn Z
GRA1 21:30:36.6 e Pn Z
SZGRF: OT 21:28:33.7 42.4N 17.9E dep 10km
ADRIATIC SEA

1997-03-08 D 15.0 AZ147
GRA1 22:11:11.8 e P Z

1997-03-08 D 79.6 AZ 25
GRA1 23:11:42.4 i P c Z mb4.9
SZGRF: OT 22:59:39.7 45.9N 154.7E dep 33km
KURIL ISLANDS REGION

1997-03-08 D 48.7 AZ136
GRA1 23:37:28.4 i P d Z mb5.1
GRA1 23:37:33.8 e pP Z
GRA1 23:39:17.7 e (PP) Z
GRA1 23:54:00.7 e L Z T22.9 A404 MS4.3
SZGRF: OT 23:28:44.3 8.8N 43.3E dep 20km
ETHIOPIA

1997-03-09
GRA1 00:06:28.4 e PKPdf Z
GRA1 00:06:48.4 e pPKPdf Z
NEIC: OT 23:46:46.2 16.8S 173.6W dep 33km mb4.7
TONGA ISLANDS

1997-03-09
GRA1 02:25:15.8 e PKP Z
GRA1 02:25:31.6 e pPKP Z

1997-03-09 D 43.7 AZ 76
GRA1 03:51:40.4 e P Z mb3.6

1997-03-09 D 79.5 AZ 6
GRA1 05:02:47.7 i P c Z mb4.7
SZGRF: OT 04:50:46.1 50.9N 177.4W dep 33km
ANDREANOF ISLANDS, ALEUTIAN IS.

1997-03-09 D 41.3 AZ 95
GRA1 06:16:16.9 e P Z mb3.8
GRA1 06:16:21.9 e (pP) Z
SZGRF: OT 06:08:33.4 32.3N 62.0E dep 19km
SOUTHWESTERN AFGHANISTAN

1997-03-09
GRA1 11:39:50.9 e Pn Z
NEIC: OT 11:36:32.2 38.9N 21.6E dep 10km mb4.1
GREECE

1997-03-09 D107.3
GRA1 11:58:01.3 e Pdiff Z
GRA1 11:58:15.0 e pPdiff Z
GRA1 12:02:24.8 e PP Z
GRA1 12:02:43.1 e pPP Z
GRA1 12:45:51.4 e L Z T21.5 A2872 MS5.8
NEIC: OT 11:43:43.5 29.8S 71.1W dep 33km mb5.5
NEAR COAST OF CENTRAL CHILE

1997-03-09 D 63.9 AZ351

GRA1 14:43:41.4 e P Z mb4.5
GRA1 14:43:48.9 e (pP) Z
NEIC: OT 14:33:22.2 66.5N 135.8W dep 10km mb4.7
NORTHERN YUKON TERRITORY, CANADA

1997-03-09 D 39.7 AZ107
GRA1 14:46:05.1 e P Z mb3.8
SZGRF: OT 14:38:36.5 28.0N 55.0E dep 33km
SOUTHERN IRAN

1997-03-09
GRA1 15:11:01.8 i PKPab c Z
NEIC: OT 14:50:47.6 29.7S 178.8W dep167km mb4.6
KERMADEC ISLANDS, NEW ZEALAND

1997-03-09 D 71.9 AZ128
GRA1 17:48:44.2 e P Z mb4.8
SZGRF: OT 17:37:23.0 8.2S 60.5E dep 33km
SOUTH INDIAN OCEAN

1997-03-09 D 45.1
GRA1 17:50:13.7 e P Z mb5.0
SZGRF: OT 17:42:00.4 15.6N 47.7E dep 33km
WESTERN ARABIAN PENINSULA

1997-03-09 D 42.4 AZ130
GRA1 19:17:57.6 e P Z mb4.5
SZGRF: OT 19:10:06.0 16.4N 43.8E dep 33km
WESTERN ARABIAN PENINSULA

1997-03-09 D 83.3 AZ 91
GRA1 21:41:32.9 e P Z mb4.7
SZGRF: OT 21:29:09.1 4.7N 96.3E dep 33km
NORTHERN SUMATERA

1997-03-10 D 80.2 AZ 25
GRA1 02:25:30.7 i P c Z mb4.6
SZGRF: OT 02:13:25.0 45.3N 154.7E dep 33km
KURIL ISLANDS REGION

1997-03-10 D107.3
GRA1 04:07:36.3 e Pdiff Z
GRA1 04:55:07.8 e L Z T22.0 A723 MS5.2
NEIC: OT 03:52:59.9 29.8S 71.1W dep 33km mb5.2
NEAR COAST OF CENTRAL CHILE

1997-03-10 D 85.2 AZ 52
GRA1 07:46:09.9 e P Z mb5.1
SZGRF: OT 07:33:37.6

RYUKYU ISLANDS

1997-03-10GRA1 13:41:04.3 e PKPbc Z
GRA1 13:41:11.3 e (PKPab) Z-----
1997-03-10 D 82.4GRA1 14:30:04.2 e P Z mb4.4
GRA1 15:04:51.4 e L Z T19.7 A719 MS5.0-----
1997-03-10 D 64.0 AZ 78GRA1 18:05:50.4 e P Z mb4.6
NEIC: OT 17:55:14.3 27.2N 92.4E dep 33km mb4.5
EASTERN XIZANG-INDIA BORDER REG.-----
1997-03-10 D 20.9 AZ 56GRA1 18:38:43.8 e P Z mb3.4
SZGRF: OT 18:34:04.3
EUROPEAN USSR-----
1997-03-11 D152.2GRA1 03:32:43.5 i PKPdf d Z
GRA1 03:32:49.9 i PKPbc d Z
GRA1 03:32:58.5 e PKPab Z
GRA1 03:35:00.7 e pPKPbc Z
NEIC: OT 03:13:59.7 21.1S 178.9W dep553km mb5.2
FIJI ISLANDS REGION-----
1997-03-11 D160.9GRA1 05:45:57.6 e PKPdf Z
GRA1 05:46:18.4 e pPKPdf Z
GRA1 05:46:38.6 e PKPab Z
GRA1 05:46:52.4 e pPKPab Z
GRA1 07:03:30.4 e L Z T19.9 A5898 MS6.4
NEIC: OT 05:26:01.5 31.0S 177.7W dep 33km mb5.6
KERMADEC ISLANDS REGION-----
1997-03-11 D 88.4 AZ 65GRA1 06:53:17.4 e P Z mb5.2
NEIC: OT 06:39:26.9 5.9N 126.8E dep 33km mb5.1
MINDANAO, PHILIPPINE ISLANDS-----
1997-03-11 D 76.3 AZ 18GRA1 07:50:59.2 i P c Z mb5.7
GRA1 07:51:12.0 e pP Z
GRA1 07:51:17.7 e sP Z
GRA1 08:26:14.7 e L Z T22.0 A631 MS4.9

SZGRF: OT 07:39:16.7 51.3N 162.2E dep 45km
OFF EAST COAST OF KAMCHATKA

1997-03-11 D 23.6 AZ252
GRA1 11:17:24.4 e P Z mb3.9

1997-03-11 D 90.5 AZ 49
GRA1 14:30:26.5 e P Z mb4.8
GRA1 14:30:39.1 e pP Z
GRA1 14:30:45.8 e sP Z

NEIC: OT 14:17:46.9 25.0N 126.4E dep 33km mb5.0
RYUKYU ISLANDS

1997-03-11 D149.0
GRA1 18:57:18.2 e PKPdf Z
GRA1 18:57:21.7 i PKPbc d Z
GRA1 18:57:25.1 e PKPab Z
GRA1 18:58:50.3 e pPKPbc Z
NEIC: OT 18:38:15.9 18.1S 176.7W dep352km mb4.8
FIJI ISLANDS REGION

1997-03-11 D 3.5 390km
GRB1 19:14:14.8 e Pn Z M14.1
GRA1 19:14:15.0 e Pn Z M14.0
SZGRF: OT 19:13:19.8 51.5N 16.0E dep 10km
POLAND

1997-03-11 D 91.5 AZ 62
GRA1 19:34:58.3 i P d Z mb5.9
GRA1 19:35:21.9 i pP c Z
NEIC: OT 19:21:22.8 8.1N 126.4E dep 88km mb5.8
MINDANAO, PHILIPPINE ISLANDS

1997-03-11 D 95.1 AZ 66
GRA1 19:35:50.2 e P Z T5.4 A1506 mb6.6
GRA1 19:36:08.6 e pP Z
GRA1 19:39:37.4 e PP Z
GRA1 19:52:11.0 e PKKP Z
GRA1 19:56:28.7 e PKKS Z
GRA1 20:27:19.1 e L Z T19.4 A21200 MS6.6
NEIC: OT 19:22:03.5 7.8N 127.6E dep 33km mb6.3
PHILIPPINE ISLANDS REGION

1997-03-12
GRA1 00:35:47.0 e PKPdf Z
GRA1 00:35:53.6 e (pPKPdf)Z
NEIC: OT 00:15:57.1 53.3S 140.3E dep 10km mb4.7
WEST OF MACQUARIE ISLAND

1997-03-12 D151.2
GRA1 02:14:56.8 e PKPdf Z
GRA1 02:15:09.5 e PKPab Z
GRA1 03:26:26.4 e L Z T20.0 A194 MS4.9

1997-03-12 D 93.1 AZ 68
GRA1 15:04:58.0 e P Z mb5.3
GRA1 15:50:28.0 e L Z T19.8 A764 MS5.2

1997-03-12 D 70.1
GRA1 18:40:37.9 e P Z mb4.7
GRA1 18:40:47.9 e pP Z
SZGRF: OT 18:29:30.9 60.5N 169.9W dep 35km
BERING SEA

1997-03-12
GRA1 23:14:52.0 e PKPab Z
GRA1 23:15:03.8 e pPKPab Z

1997-03-13 D 86.9 AZ 89
GRA1 00:45:36.4 e P Z mb4.7
GRA1 00:46:08.2 e pP Z
SZGRF: OT 00:33:05.6 2.9N 99.9E dep124km
NORTHERN SUMATERA

1997-03-13 D 78.7 AZ 31
GRA1 01:24:00.2 i P c Z mb5.2
GRA1 01:24:04.9 e pP Z
GRA1 01:28:00.0 e (PP) Z
GRA1 01:53:17.9 e L Z T18.9 A106 MS4.2
SZGRF: OT 01:12:00.5 44.1N 146.1E dep 16km
KURIL ISLANDS

1997-03-13
GRA1 03:00:40.3 e (PKPdf) Z

1997-03-13 D 23.9 AZ106
GRA1 03:04:41.8 e P Z mb4.4
GRA1 03:17:14.7 e L Z T19.0 A64 MS3.1
NEIC: OT 02:59:39.5 39.9N 40.0E dep 10km mb4.3
TURKEY

1997-03-13 D127.8
GRA1 06:47:10.4 e PKPdf Z

NEIC: OT 06:27:58.4 36.4S 97.5W dep 10km mb4.9
WEST CHILE RISE

1997-03-13 D 74.4 AZ 19
GRA1 13:19:23.5 e P Z mb5.0
GRA1 13:19:33.4 e pP Z
SZGRF: OT 13:07:50.6 53.0N 160.6E dep 34km
NEAR EAST COAST OF KAMCHATKA

1997-03-13 D 23.9 AZ286
GRA1 14:51:59.2 e P Z

1997-03-13 D 79.4 AZ 24
GRA1 17:07:01.4 e P Z mb4.8
GRA1 17:07:15.3 e pP Z
SZGRF: OT 16:55:02.5 46.5N 155.8E dep 48km
KURIL ISLANDS REGION

1997-03-13 D 83.3 AZ 57
GRA1 18:18:19.7 i P d Z mb5.6
GRA1 18:19:09.6 e pP Z
SZGRF: OT 18:06:17.3 26.3N 123.2E dep205km
NORTHEAST OF TAIWAN

1997-03-13
GRA1 19:56:53.2 e PKP Z

1997-03-13 D 82.2 AZ113
GRA1 20:46:39.8 e P Z mb4.7
GRA1 20:46:48.2 e pP Z
SZGRF: OT 20:34:20.5
SOUTH INDIAN OCEAN

1997-03-13
GRA1 21:00:27.7 e PKP Z
GRA1 21:51:49.7 e L Z T18.6 A160
NEIC: OT 20:41:21.3 4.2S 142.9E dep117km mb5.5
NEW GUINEA, PAPUA NEW GUINEA

1997-03-13
GRA1 23:05:52.1 e PKPdf Z
GRA1 23:05:52.1 e PKPdf Z
GRA1 00:08:30.5 e L Z T19.2 A297

1997-03-13 D 3.5 393km
GRB1 23:49:57.4 e Pn Z M14.2
GRA1 23:49:57.9 e Pn Z M14.1

SZGRF: OT 23:49:01.4 51.5N 16.0E dep 1km
POLAND

1997-03-14 D 3.6 406km
GRB1 00:33:15.5 e Pn Z
GRA1 00:33:39.8 e Pn Z M13.2
SZGRF: OT 00:32:41.9 51.6N 16.2E dep 1km

POLAND

1997-03-14 D 17.2 AZ128
GRA1 11:49:24.5 e P Z
GRA1 11:56:01.7 e L Z T18.6 A243 MS3.5

1997-03-14
GRA1 13:07:23.4 e PKPab Z

1997-03-14
GRA1 15:07:49.6 e PKP Z

1997-03-14
GRA1 18:09:56.6 e PKPdf Z

1997-03-14 D 77.1 AZ188
GRA1 18:49:56.2 i P d Z mb5.6
GRA1 18:50:03.1 e pP Z
GRA1 18:51:03.9 e (PP) Z
GRA1 19:24:59.7 e L Z T21.6 A175 MS4.3
SZGRF: OT 18:38:02.3 27.4S 2.3E dep 24km
SOUTH ATLANTIC OCEAN

1997-03-15 D153.2
GRA1 01:10:57.5 e PKPdf Z
GRA1 01:11:08.9 e PKPbc Z
GRA1 01:11:19.8 e PKPab Z
GRA1 02:26:57.4 e L Z T20.1 A681 MS5.5
NEIC: OT 00:50:59.8 23.2S 175.6W dep 33km mb4.7
TONGA ISLANDS REGION

1997-03-15 D 23.4 AZ 30
GRA1 03:20:57.9 e (P) Z

1997-03-15 D155.1
GRA1 06:11:35.8 e PKP Z
GRA1 07:27:43.3 e L Z T21.9 A1597 MS5.8

NEIC: OT 05:51:32.8 59.9S 150.0E dep 10km mb5.0
WEST OF MACQUARIE ISLAND

1997-03-15 D 92.4 AZ 64
GRA1 09:37:57.5 e P Z mb4.7
GRA1 09:38:07.6 e pP Z
GRA1 09:38:12.5 e sP Z
GRA1 10:27:33.4 e L Z T20.7 A232 MS4.6

NEIC: OT 09:24:11.1 7.4N 127.0E dep 33km mb5.3
MINDANAO, PHILIPPINE ISLANDS

1997-03-15 D119.0
GRA1 11:36:21.0 e PKPdf Z
GRA1 12:31:08.0 e L Z T19.5 A822 MS5.4
NEIC: OT 11:17:34.4 1.4S 145.4E dep 33km mb5.0
ADMIRALTY ISLANDS REGION, P.N.G.

1997-03-15
GRA1 12:35:58.8 e PKPdf Z
GRA1 12:36:07.8 e pPKPdf Z

1997-03-15 D 78.7 AZ 30
GRA1 17:30:58.5 i P c Z mb5.0
GRA1 17:31:10.2 e pP Z
SZGRF: OT 17:19:01.8 44.6N 147.7E dep 40km
KURIL ISLANDS

1997-03-15 D 4.0 449km
GRC1 21:31:14.6 e Pn Z M13.8
GRA1 21:31:23.7 e Pn Z

1997-03-15 D 15.0 AZ148
GRA1 23:53:10.1 e P Z

1997-03-15 D 5.8
GRA1 21:31:23.3 e Pn Z M14.2
GRA1 21:32:26.7 e Sn E

1997-03-16 D 84.5 AZ 40
GRA1 06:04:02.3 i P d Z mb5.9
GRA1 06:04:14.0 e pP Z
GRA1 06:47:58.4 e L Z T20.8 A1452 MS5.3
SZGRF: OT 05:51:34.9 34.9N 140.4E dep 40km
NEAR EAST COAST OF HONSHU, JAPAN

1997-03-16 D 75.5 AZ 19
GRA1 06:15:42.6 e P Z T1.3 A16 mb4.9
SZGRF: OT 06:04:03.3 51.8N 160.3E dep 33km
OFF EAST COAST OF KAMCHATKA

1997-03-16 D 83.8 AZ 7
GRA1 07:06:55.0 e P Z

1997-03-16
GRA1 10:49:37.3 e PKPdf Z
GRA1 10:49:43.3 e (PKPab) Z
NEIC: OT 10:30:45.6 19.8S 178.2W dep500km mb4.2
FIJI ISLANDS REGION

1997-03-17 D 65.3
GRA1 05:24:26.0 i P d Z mb5.0

1997-03-17 D 65.3
GRA1 05:31:19.1 i P d Z mb5.4

1997-03-17
GRA1 05:48:46.3 i PKPdf d Z
GRA1 05:48:54.9 e PKPab Z
NEIC: OT 05:30:01.2 20.5S 178.9W dep600km mb4.5
FIJI ISLANDS REGION

1997-03-17 D 97.6
GRA1 08:19:22.2 e P Z T1.4 A60 mb6.1
GRA1 08:19:43.5 e pP Z
GRA1 08:23:20.0 e PP Z
GRA1 09:11:55.0 e L Z T20.5 A6129 MS6.1
NEIC: OT 08:05:48.4 6.6S 105.6E dep 33km mb5.8
SUNDA STRAIT

1997-03-17 D 78.9 AZ 35
GRA1 09:35:15.5 i P c Z mb5.4
GRA1 09:35:34.9 e pP Z
GRA1 09:35:40.3 e sP Z
GRA1 10:22:42.9 e L Z T21.8 A1459 MS5.3
SZGRF: OT 09:23:21.2 42.3N 142.4E dep 68km
HOKKAIDO, JAPAN REGION

1997-03-17
GRA1 19:00:11.3 e PKPdf Z

1997-03-17

GRA1 22:34:20.1 e PKPdf Z

1997-03-17 D 2.6 284km

GRC3 22:45:56.2 e Pn Z

GRA1 22:46:08.0 e Pn Z

GRA1 22:46:48.3 e Sn N

SZGRF: OT 22:45:16.0 46.5N 13.0E dep 10km

AUSTRIA

1997-03-18 D 15.0 AZ345

GRA1 05:58:07.2 e P Z

NEIC: OT 05:53:50.2 66.5N 1.8W dep 10km mb4.0

NORWEGIAN SEA

1997-03-18 D 19.0

GRA1 11:30:36.6 e P Z T1.6 A196 mb5.1

GRA1 11:39:38.9 e L Z T18.4 A887 MS4.1

1997-03-18 D 91.9 AZ 62

GRA1 13:15:03.9 e P c Z mb5.3

GRA1 14:01:25.1 e L Z T18.5 A217 MS4.6

SZGRF: OT 13:01:59.3 16.3N 124.4E dep 33km

PHILIPPINE ISLANDS REGION

1997-03-18 D 84.0

GRA1 15:37:23.2 e P Z mb4.9

GRA1 16:12:43.5 e L Z T20.2 A288 MS4.6

1997-03-18 D 76.9 AZ356

GRA1 16:00:40.7 i P c Z T1.2 A28 mb5.3

GRA1 16:00:51.8 e pP Z

SZGRF: OT 15:48:54.3 53.6N 161.5W dep 38km

SOUTH OF ALASKA

1997-03-18 D 3.6 400km

GRA1 17:03:58.7 e Pn Z M13.6

SZGRF: OT 17:03:01.7 51.5N 16.1E dep 1km

POLAND

1997-03-18 D149.1

GRA1 21:08:24.4 e (PKPdf) Z

GRA1 21:08:27.5 e PKPbc Z

GRA1 21:08:31.7 e PKPab Z

NEIC: OT 20:48:40.1 18.8S 174.0W dep 33km mb4.8

TONGA ISLANDS

1997-03-19 D 71.7 AZ 15
GRA1 07:48:12.7 e P Z mb5.0
GRA1 07:48:20.7 e (pP) Z
GRA1 08:22:08.0 e L Z T21.0 A221 MS4.4
SZGRF: OT 07:36:54.8 56.8N 165.2E dep 28km
KOMANDORSKY ISLANDS REGION

1997-03-19 D 49.0 AZ116
GRA1 16:43:04.3 e P Z mb4.9
GRA1 16:43:08.4 e (pP) Z
NEIC: OT 16:34:21.4 13.3N 50.1E dep 10km mb4.8
EASTERN GULF OF ADEN

1997-03-19
GRA1 17:37:08.4 e PKPab Z
GRA1 17:37:52.3 e (pPKPab) Z
NEIC: OT 17:17:28.3 18.9S 169.3E dep 33km mb4.9
VANUATU ISLANDS

1997-03-19 D146.7
GRA1 18:10:15.0 i PKPbc d Z
GRA1 18:10:40.3 e pPKPbc Z
GRA1 18:10:55.9 e sPKPbc Z
GRA1 19:16:44.1 e L Z T20.6 A210 MS4.9
NEIC: OT 17:50:41.9 16.7S 173.9W dep 98km mb5.5
TONGA ISLANDS

1997-03-19 D 44.8 AZ 84
GRA1 20:05:32.7 e P Z mb4.8
GRA1 20:16:18.8 e L Z T20.3 A121 MS3.8
SZGRF: OT 19:57:22.7 36.4N 71.5E dep 33km
AFGHANISTAN-USSR BORDER REGION

1997-03-19 D 8.7
GRA1 23:12:56.0 e Pn Z M14.8
GRA1 23:14:26.7 e (Sn) N
GRA1 23:16:48.1 e L Z T19.9 A409 MS3.2

1997-03-19 D 2.0 222km
GRC1 23:35:19.1 e Pn N
GRA1 23:35:32.1 e Pn Z M12.7
GRA1 23:36:04.5 e (Sn) N

1997-03-19 D 1.9 215km
GRB5 23:35:17.4 e Pn Z

1997-03-20 D 87.7 AZ360
GRA1 00:55:56.2 e P Z
NEIC: OT 00:47:30.8 30.2N 68.1E dep 33km mb4.4
PAKISTAN

1997-03-20 D 55.3 AZ208
GRA1 02:26:40.7 i P c Z mb4.5
GRA1 02:26:42.6 i pP d Z
GRA1 02:34:34.3 e S Z
GRA1 02:49:27.4 e L Z T21.5 A290 MS4.3
SZGRF: OT 02:17:05.2 2.1S 11.8W dep 7km
NORTH OF ASCENSION ISLAND

1997-03-20 D 55.7 AZ208
GRA1 02:39:44.1 e P Z

1997-03-20 D 88.0 AZ 37
GRA1 06:04:38.7 e P Z
GRA1 06:04:51.9 e (pP) Z
NEIC: OT 05:52:39.1 42.0N 142.6E dep 71km mb4.3
HOKKAIDO, JAPAN REGION

1997-03-20 D 46.2
GRB1 08:59:05.0 i P c Z T0.1 A91 mb6.6
NEIC: OT 08:50:40.4 30.1N 68.1E dep 33km mb5.5
PAKISTAN

1997-03-20 D 84.3 AZ 51
GRA1 12:50:19.9 e P Z mb4.8
GRA1 12:50:25.1 e pP Z
NEIC: OT 12:37:29.4 27.8N 130.2E dep 34km mb4.6
RYUKYU ISLANDS

1997-03-20 D 88.1
GRA1 13:46:45.5 e P Z mb5.2
GRA1 14:20:42.1 e L Z T21.4 A372 MS4.8

1997-03-20 D 16.8
GRA1 18:06:02.6 e PnI Z
GRA1 18:11:58.2 e L Z T21.5 A2106 MS4.3
SZGRF: OT 18:02:08.9 32.9N 10.3E dep 33km
TUNISIA

1997-03-20 D 15.0 AZ147
GRA1 23:54:28.8 e P Z
GRA1 00:01:48.4 e L Z T20.0 A120

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1997-03-21      D159.4
  GRA1 12:26:22.6 e PKPdf  Z
  GRA1 12:27:05.5 e PKPab  Z
  GRA1 12:30:45.7 e PP      Z
NEIC: OT 12:07:18.1 31.1S 179.6E dep451km mb5.6
      KERMADEC ISLANDS REGION
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1997-03-21      D 5.2
  GRA1 16:48:03.9 e PnI     Z
  GRA1 16:50:57.6 e L       Z T27.9 A131      MS2.2
NEIC: OT 16:46:20.0 42.8N  11.7E dep 10km  mb3.8
      CENTRAL ITALY
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1997-03-21      D 55.3
  GRA1 21:14:23.4 e P       Z
  GRA1 21:39:57.8 e L       Z T19.6 A1380      MS5.0
NEIC: OT 21:04:48.7 33.0N  84.6E dep 33km  mb4.8
      XIZANG
-----
1997-03-21      D128.9
  GRA1 22:55:20.3 e PKPdf   Z
  GRA1 22:55:30.8 e pPKPdf  Z
  GRA1 22:57:40.7 e PP      Z
  GRA1 23:52:12.2 e L       Z T21.1 A712      MS5.3
-----
1997-03-21
  GRA1 23:06:20.1 e PKPab   Z
-----
1997-03-21      D 38.1 AZ100
  GRA1 23:06:40.5 i P       d Z      mb4.7
SZGRF: OT 22:59:25.1 32.1N  56.9E dep 33km
      IRAN
-----
1997-03-22      D 49.1 AZ 96
  GRA1 06:28:19.3 i P       c Z      mb4.7
  GRA1 06:54:33.1 e L       Z T19.5 A102      MS3.8
SZGRF: OT 06:19:35.5 26.9N  68.5E dep 33km
      PAKISTAN
-----
1997-03-22      D113.2 AZ 65
  GRA1 06:32:14.5 e Pdiff   Z
  GRA1 06:32:25.4 e pPdiff  Z
  GRA1 06:36:42.2 e PP      Z
  GRA1 07:29:03.8 e L       Z T19.6 A734      MS5.3

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1997-03-23

GRA1 03:24:44.6 i PKPbc d Z

GRA1 03:24:53.1 e PKPab Z

NEIC: OT 03:05:56.5 20.7S 178.4W dep569km mb4.6

FIJI ISLANDS REGION

1997-03-23

GRA1 04:45:46.0 e PKPdf Z

GRA1 05:51:12.0 e L Z T18.5 A244

NEIC: OT 04:26:31.1 34.2S 109.3W dep 10km mb5.0

SOUTHERN EAST PACIFIC RISE

1997-03-23 D 84.1 AZ 38

GRA1 06:11:15.9 i P c Z mb5.7

GRA1 06:11:20.9 e pP Z

GRA1 06:51:50.3 e L Z T21.5 A117 MS4.2

SZGRF: OT 05:58:47.0 35.9N 141.6E dep 17km

NEAR EAST COAST OF HONSHU, JAPAN

1997-03-23 D144.5

GRA1 16:09:13.4 i PKP c Z

GRA1 16:09:27.1 e pPKP Z

GRA1 17:13:56.1 e L Z T19.8 A240 MS5.0

1997-03-23 D 95.0 AZ298

GRA1 20:36:12.5 e P d Z mb5.1

GRA1 20:36:24.4 e pP Z

SZGRF: OT 20:22:54.8 13.8N 103.8W dep 40km

OFF COAST OF GUERRERO, MEXICO

1997-03-23 D 41.0 AZ264

GRA1 20:56:53.0 e P Z mb5.3

GRA1 21:12:04.4 e L Z T19.5 A8755 MS5.6

SZGRF: OT 20:49:13.2 32.2N 39.2W dep 33km

NORTH ATLANTIC RIDGE

1997-03-23 D 43.3 AZ266

GRA1 21:13:04.3 e P Z mb4.0

GRA1 21:13:08.7 e pP Z

SZGRF: OT 21:05:03.9 31.4N 41.9W dep 17km

NORTH ATLANTIC RIDGE

1997-03-24 D 55.3 AZ215

GRA1 02:30:17.4 i P c Z mb4.5

GRA1 02:30:25.1 e (pP) Z

GRA1 02:54:01.5 e L Z T21.1 A96 MS3.8

SZGRF: OT 02:20:44.8 .2S 17.0W dep 28km

NORTH OF ASCENSION ISLAND

 1997-03-24 D 15.0 AZ170
 GRA1 04:37:13.7 e P Z
 GRA1 04:37:20.1 e (pP) Z
 NEIC: OT 04:34:54.8 39.9N 13.6E dep449km
 TYRRHENIAN SEA

 1997-03-24 D 80.0 AZ 2
 GRA1 06:46:48.9 e P c Z mb5.3
 GRA1 06:46:59.5 e pP Z
 GRA1 06:47:05.8 e sP Z
 GRA1 07:38:44.0 e L Z T21.4 A237 MS4.5
 SZGRF: OT 06:34:45.3 50.7N 171.2W dep 39km
 ALEUTIAN ISLANDS REGION

 1997-03-24 D 59.8 AZ359
 GRA1 07:06:47.3 e P Z mb4.9
 GRA1 07:06:53.6 e pP Z
 GRA1 07:06:56.7 e sP Z
 GRA1 07:38:43.9 e L Z T21.4 A237 MS4.3
 NEIC: OT 06:56:13.8 67.1N 173.3W dep 10km mb5.1
 NEAR N. COAST OF EASTERN SIBERIA

 1997-03-24 D 53.9 AZ 79
 GRA1 14:44:46.4 e P Z mb4.7
 NEIC: OT 14:35:53.6 35.4N 78.3E dep 33km mb4.7
 EASTERN KASHMIR

 1997-03-24 D 3.6 399km
 GRA1 20:19:17.9 e Pn Z M13.4
 SZGRF: OT 20:18:21.5 51.5N 16.1E dep 1km
 POLAND

 1997-03-24 D 11.1
 GRA1 21:23:33.6 e PnI Z
 GRA1 21:25:37.6 e (SnI) Z

 1997-03-24 D 76.4 AZ 55
 GRA1 22:06:24.1 e P Z mb4.7
 GRA1 22:06:38.6 e pP Z
 NEIC: OT 21:53:41.5 26.1N 128.8E dep 33km mb4.6
 RYUKYU ISLANDS

 1997-03-24
 GRA1 22:49:44.2 e (P) Z

1997-03-25 D109.4
GRA1 00:33:34.6 e PP Z
GRA1 01:08:03.0 e L Z T20.0 A226 MS4.7
NEIC: OT 00:14:44.8 33.4S 70.5W dep 84km mb5.5
CHILE-ARGENTINA BORDER REGION

1997-03-25 D 15.0 AZ158
GRA1 00:49:24.1 i P c Z
GRA1 00:55:57.4 e L Z T18.8 A222

1997-03-25 D164.8
GRA1 02:37:52.5 e PKPdf Z
GRA1 02:38:46.6 e PKPab Z
NEIC: OT 02:18:07.1 37.0S 177.5E dep150km mb5.1
OFF E. COAST OF N. ISLAND, N.Z.

1997-03-25 D149.4
GRA1 04:13:12.4 e PKPdf Z
GRA1 04:13:15.2 e PKPbc Z
GRA1 04:13:20.8 e PKPab Z
NEIC: OT 03:53:59.2 14.6S 167.3E dep150km mb5.1
VANUATU ISLANDS

1997-03-25 D110.4
GRA1 08:31:06.9 e (SKS) Z
GRA1 08:38:54.4 e SSP Z
GRA1 09:14:26.5 e L Z T20.1 A562 MS5.1
NEIC: OT 08:09:19.2 4.5S 105.3W dep 10km mb5.0
CENTRAL EAST PACIFIC RISE

1997-03-25 D 77.0 AZ359
GRA1 13:57:17.1 e P Z mb4.9
GRA1 13:57:24.4 e pP Z
NEIC: OT 13:45:14.2 53.9N 163.6W dep 33km mb4.7
UNIMAK ISLAND REGION

1997-03-25 D 46.1 AZ265
GRA1 14:28:52.6 e P Z mb5.3
GRA1 14:28:57.8 e pP Z
GRA1 14:44:14.5 e L Z T20.4 A486 MS4.4
SZGRF: OT 14:20:30.1 29.0N 43.8W dep 19km
NORTH ATLANTIC RIDGE

1997-03-25 D 79.4
GRA1 14:43:09.7 e P Z mb4.6
GRA1 14:43:14.8 e pP Z
GRA1 15:20:02.0 e L Z T21.9 A285 MS4.6

 1997-03-25 D 85.7 AZ 57
 GRA1 16:49:32.6 e P Z mb4.8
 SZGRF: OT 16:36:57.6 24.3N 124.8E dep 33km
 SOUTHWESTERN RYUKYU ISLANDS

1997-03-25 D 91.9
 GRA1 16:56:39.7 i P d Z mb6.0
 GRA1 16:58:52.0 i pP c Z
 GRA1 17:00:29.9 e (sP) Z

1997-03-25 D 92.0
 GRA1 19:38:01.2 i P d Z mb5.3
 GRA1 19:40:12.5 e pP Z
 GRA1 19:40:55.7 e (sP) Z
 NEIC: OT 19:25:54.2 9.0S 71.3W dep600km mb5.0
 WESTERN BRAZIL

1997-03-25 D 80.1 AZ 4
 GRA1 22:49:46.6 e P Z mb4.7
 SZGRF: OT 22:37:41.9 50.5N 175.6W dep 33km
 ANDREANOF ISLANDS, ALEUTIAN IS.

1997-03-26 D 81.6 AZ290
 GRA1 01:27:58.2 e P Z mb4.6
 GRA1 01:28:11.7 e pP Z

1997-03-26 D 78.7 AZ 8
 GRA1 02:20:58.5 i P c Z mb6.1
 GRA1 02:21:19.5 i pP d Z
 GRA1 02:47:46.6 e P'P' Z
 GRA1 02:59:40.6 e L Z T21.9 A26415 MS6.5
 SZGRF: OT 02:09:06.7 51.4N 178.9E dep 79km
 RAT ISLANDS, ALEUTIAN ISLANDS

1997-03-26 D 79.0 AZ 4
 GRA1 02:44:45.3 e P Z mb4.6
 NEIC: OT 02:32:44.3 51.4N 179.5E dep 33km mb4.7
 RAT ISLANDS, ALEUTIAN ISLANDS

1997-03-26 D 24.4 AZ128
 GRA1 04:28:09.3 i P d Z mb5.2
 NEIC: OT 04:22:51.2 33.4N 35.5E dep 10km mb5.0
 JORDAN - SYRIA REGION

1997-03-26 D 82.2 AZ 49
 GRA1 08:44:11.3 e P Z mb5.8

GRA1 08:44:31.7 e pP Z
GRA1 08:44:38.8 e sP Z
GRA1 08:47:24.5 e PP Z
GRA1 09:24:08.5 e L Z T18.7 A19226 MS6.5
SZGRF: OT 08:31:59.4 31.6N 129.4E dep 74km
KYUSHU, JAPAN

1997-03-26 D 21.7
GRA1 09:24:06.5 i P d Z mb4.2
GRA1 09:28:49.6 e L Z T18.8 A19134 MS5.5
NEIC: OT 09:19:15.3 34.9N 32.9E dep 33km mb4.3
CYPRUS REGION

1997-03-26 D 23.9
GRA1 13:25:37.5 e P Z mb4.5

1997-03-26 D105.0
GRA1 18:32:28.4 e Pdiff Z
GRA1 18:36:51.4 e PP Z
GRA1 19:23:04.4 e L Z T20.2 A336 MS4.9
NEIC: OT 18:18:35.8 2.8N 128.3E dep137km mb5.6
HALMAHERA, INDONESIA

1997-03-26
GRA1 19:41:06.3 e PKPdf Z
GRA1 19:41:44.7 e pPKPdf Z
NEIC: OT 19:21:15.4 20.0S 174.0W dep 33km mb4.7
TONGA ISLANDS

1997-03-26 D 78.4 AZ 8
GRA1 21:39:08.8 i P c Z mb5.1
SZGRF: OT 21:27:13.0 51.7N 179.0E dep 33km
RAT ISLANDS, ALEUTIAN ISLANDS

1997-03-27 D 79.5 AZ 8
GRA1 00:06:06.4 e P Z mb4.4
SZGRF: OT 23:54:04.4 50.6N 178.6E dep 33km
RAT ISLANDS, ALEUTIAN ISLANDS

1997-03-27 D 78.5 AZ 6
GRA1 00:28:44.0 i P c Z mb4.9
SZGRF: OT 00:16:47.8 51.9N 178.3W dep 33km
ANDREANOF ISLANDS, ALEUTIAN IS.

1997-03-27 D149.9
GRA1 04:32:44.2 e PKPdf Z
GRA1 04:32:47.7 e PKPbc Z
GRA1 04:32:53.6 e PKPab Z

NEIC: OT 04:13:04.3 22.0S 176.6W dep138km mb4.7
FIJI ISLANDS REGION

1997-03-27 D 92.2 AZ276
GRA1 10:15:18.1 e P Z mb5.2
GRA1 10:48:18.0 e L Z T21.2 A460 MS4.9
NEIC: OT 10:02:16.9 4.0N 82.6W dep 10km mb5.0

SOUTH OF PANAMA

1997-03-27 D 79.8 AZ 10
GRA1 10:54:29.1 e P Z mb4.7
GRA1 11:39:42.5 e L Z T18.2 A697 MS5.0
SZGRF: OT 10:42:25.7 50.0N 175.8E dep 33km

RAT ISLANDS, ALEUTIAN ISLANDS

1997-03-27 D 15.1 AZ 89
GRA1 13:11:47.3 e P Z

1997-03-27
GRA1 14:28:27.7 e PKPab Z
GRA1 14:28:36.0 e pPKPab Z

1997-03-27 D 49.3 AZ 78
GRA1 17:57:34.7 e P Z mb4.5
GRA1 17:57:37.2 e (pP) Z
SZGRF: OT 17:48:46.5
KASHMIR-SINKIANG BORDER REGION

1997-03-27 D 3.6 400km
GRB1 21:40:41.3 e Pn Z M14.1
GRA1 21:40:41.8 e Pn Z M14.1

1997-03-27 D149.8
GRA1 23:02:55.1 i PKPdf d Z
GRA1 23:03:04.1 e PKPab Z

1997-03-28
GRA1 05:34:07.2 e PKPdf Z
GRA1 06:27:11.6 e L Z T20.6 A234
NEIC: OT 05:15:09.3 4.6S 153.2E dep 33km mb4.9
NEW IRELAND REGION, P.N.G.

1997-03-28 D 75.9 AZ 18
GRA1 08:27:01.1 i P c Z mb4.9
GRA1 08:27:10.7 e (pP) Z

SZGRF: OT 08:15:19.3 51.9N 162.9E dep 34km
OFF EAST COAST OF KAMCHATKA

1997-03-28

GRA1 13:44:24.7 e (PKPab) Z

1997-03-28 D 83.2 AZ 34

GRA1 19:33:38.8 i P c Z mb5.1

GRA1 19:33:45.6 e (pP) Z

SZGRF: OT 19:21:15.9 38.7N 145.4E dep 24km
OFF EAST COAST OF HONSHU, JAPAN

1997-03-28

GRA1 21:44:52.7 e PKPab Z

GRA1 21:45:04.5 e pPKPab Z

1997-03-28 D148.9

GRA1 22:59:04.8 e PKPdf Z

GRA1 22:59:08.0 i PKPbc c Z

GRA1 22:59:11.3 e PKPab Z

GRA1 23:01:15.9 e pPKPbc Z

GRA1 23:01:24.4 e (pPKPab)Z

NEIC: OT 22:40:25.3 17.7S 179.0W dep554km mb5.0
FIJI ISLANDS REGION

1997-03-28

GRA1 23:17:16.1 e PKPab Z

GRA1 23:17:25.8 e pPKPab Z

1997-03-29 D 3.5 393km

GRB1 05:16:09.2 e Pn Z M13.5

GRA1 05:16:10.9 e Pn Z M13.4

1997-03-29 D 80.0 AZ 30

GRA1 12:07:45.4 i P c Z mb4.7

GRA1 12:07:52.1 e pP Z

GRA1 12:07:57.2 e sP Z

SZGRF: OT 11:55:39.6 43.4N 148.6E dep 26km
KURIL ISLANDS REGION

1997-03-30 D 3.3 363km

GRB1 04:18:57.3 e Pn Z M13.8

GRA1 04:19:05.2 e Pn Z M13.6

SZGRF: OT 04:18:06.3 47.8N 15.9E dep 1km
AUSTRIA

1997-03-30
GRA1 04:28:19.9 e PKPdf Z

1997-03-30 D 79.4 AZ 2
GRA1 04:48:15.9 e P Z mb4.4
SZGRF: OT 04:36:14.7 51.2N 172.4W dep 33km
ANDREANOF ISLANDS, ALEUTIAN IS.

1997-03-30 D 79.4 AZ 28
GRA1 05:12:14.4 e P Z mb4.5
SZGRF: OT 05:00:13.1 45.0N 150.9E dep 33km
KURIL ISLANDS REGION

1997-03-30 D145.6
GRA1 08:58:08.2 e PKP Z
GRA1 10:07:15.9 e L Z T20.3 A771 MS5.5

1997-03-30 D 11.3
GRC1 13:00:43.8 e PnI Z
GRA1 13:00:56.7 e PnI Z
GRA1 13:07:21.0 e L Z T15.7 A322 MS3.4
NEIC: OT 12:57:43.1 37.6N 20.0E dep 33km mb4.6
IONIAN SEA

1997-03-30 D152.8
GRA1 14:25:03.2 e PKPdf d Z
GRA1 14:25:10.0 i PKPbc d Z
GRA1 14:25:19.6 e PKPab Z
GRA1 14:26:05.4 e pPKPbc Z
NEIC: OT 14:05:40.1 22.0S 177.2W dep217km mb5.3
FIJI ISLANDS REGION

1997-03-30 D149.9
GRA1 18:59:18.5 e PKPdf d Z
GRA1 18:59:23.3 i PKPbc d Z
GRA1 18:59:27.7 e PKPab Z
GRA1 18:59:43.7 e (pPKPbc)Z

1997-03-30 D 88.4 AZ 47
GRA1 19:25:58.2 e P Z mb4.5
GRA1 20:33:07.5 e L Z T18.9 A110 MS4.3
SZGRF: OT 19:13:10.4 27.6N 135.4E dep 33km
EAST OF RYUKYU ISLANDS

1997-03-30 D 77.4 AZ 6

GRA1 23:17:59.5 i P c Z mb5.4
GRA1 23:18:11.1 e pP Z
GRA1 23:56:55.3 e L Z T21.7 A724 MS5.0
SZGRF: OT 23:06:10.5 53.0N 178.4W dep 40km
ANDREANOF ISLANDS, ALEUTIAN IS.

1997-03-31 D 87.8 AZ 62
GRA1 09:13:15.8 e P Z mb4.6
GRA1 09:57:52.4 e L Z T20.3 A149 MS4.4
SZGRF: OT 09:00:30.3
PHILIPPINE ISLANDS REGION

1997-03-31 D176.0
GRA1 11:46:18.6 e (PKPdf) Z
GRA1 11:46:22.6 e PKPbc Z
GRA1 11:46:28.4 e pPKPbc Z
GRA1 11:46:33.1 e PKPab Z
GRA1 11:46:39.2 e pPKPab Z
GRA1 12:53:01.4 e L Z T21.3 A301 MS5.2
NEIC: OT 11:26:35.7 23.3S 170.8E dep 33km mb5.1
LOYALTY ISLANDS REGION

1997-03-31 D 74.9 AZ 18
GRA1 11:51:06.3 i P c Z mb5.1
GRA1 11:51:19.9 e (pP) Z
GRA1 12:24:26.4 e L Z T21.0 A149 MS4.3
SZGRF: OT 11:39:32.7 52.7N 161.1E dep 48km
OFF EAST COAST OF KAMCHATKA

1997-03-31 D 88.6 AZ 43
GRA1 16:03:29.9 e P c Z mb4.6
GRA1 16:03:41.8 e (pP) Z
GRA1 16:42:22.9 e L Z T20.3 A168 MS4.5
SZGRF: OT 15:50:42.5 29.9N 139.9E dep 41km
SOUTH OF HONSHU, JAPAN

1997-03-31 D 87.5 AZ293
GRA1 17:45:31.5 e P Z mb5.0
GRA1 17:45:48.4 e pP Z
SZGRF: OT 17:32:51.1 16.6N 94.8W dep 60km
OAXACA, MEXICO

1997-03-31 AZ146
GRA1 17:55:46.1 e PnI Z

1997-03-31 D 49.3 AZ 75
GRA1 19:21:17.3 e P Z
GRA1 19:41:31.1 e L Z T18.6 A168 MS4.1

1997-03-31 D 73.8 AZ 57
GRA1 19:42:52.0 e P Z mb4.2

1997-03-31 D 75.5 AZ 17
GRA1 19:47:42.5 i P c Z mb5.8
GRA1 19:47:56.2 e pP Z
GRA1 19:48:00.4 e sP Z
GRA1 20:23:37.4 e L Z T19.6 A1056 MS5.1
SZGRF: OT 19:36:05.2 52.4N 162.9E dep 46km
OFF EAST COAST OF KAMCHATKA

1997-03-31 D150.0
GRA1 20:32:41.6 e (PKPdf) Z
GRA1 20:32:45.0 i PKPbc c Z
GRA1 20:32:51.1 e PKPab Z

1997-03-31 D 60.7 AZ 72
GRA1 20:50:57.0 e (P) Z
