

MONTHLY TELESEISMIC BULLETIN of SZGRF-ERLANGEN - Februar 1997

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H. Aichele, K. Klinge, R. Hohl, U. Mundl

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

1997-02-01 D 80.0 AZ 1

GRA1 01:33:04.1 e P Z mb4.6

GRA1 01:33:14.6 e pP Z

GRA1 02:01:28.4 e L Z T20.4 A61 MS3.9

SZGRF: OT 01:21:00.4 50.7N 171.0W dep 36km

ALEUTIAN ISLANDS REGION

1997-02-01 D 15.1 AZ 67

GRA1 13:49:26.4 e P Z

GRA1 13:49:33.0 e (pP) Z

1997-02-01

GRC1 14:02:54.7 e Pn Z M13.2

GRA1 14:02:58.8 e Pn Z M13.6

1997-02-01

GRA1 16:05:45.2 e PKPdf Z

1997-02-01 D150.0

GRA1 18:54:26.4 e PKPdf Z

GRA1 18:54:40.3 e pPKPdf Z

GRA1 20:02:30.7 e L Z T20.3 A566 MS5.4

1997-02-01 D 3.6 399km

GRA1 12:23:57.3 e Pn Z

SZGRF: OT 12:23:01.4 51.3N 16.2E dep 1km

POLAND

1997-02-02

GRA1 10:03:19.0 e PKP Z

1997-02-02

GRA1 13:55:44.4 e PKP Z

1997-02-02 D 15.0 AZ131

GRA1 18:28:25.7 e P Z

1997-02-02

GRA1 18:39:13.7 e PKPdf Z

1997-02-02 D 15.0 AZ142

GRA1 20:37:15.6 e P Z

1997-02-02 D 84.8 AZ 52

GRA1 20:40:37.3 i P d Z mb4.7

SZGRF: OT 20:28:06.9 28.2N 129.0E dep 33km

RYUKYU ISLANDS

1997-02-03 D 26.9 AZ356

GRA1 05:15:30.2 e P Z mb4.2

GRA1 05:15:34.1 e pP Z

GRA1 05:15:37.5 e sP Z

GRA1 05:26:14.3 e L Z T18.0 A282 MS3.9

SZGRF: OT 05:09:50.3 76.4N 4.1E dep 17km

GREENLAND SEA

1997-02-03

GRA1 05:31:01.6 e PKPab Z

1997-02-03 D150.3

GRA1 07:44:16.6 e PKPdf Z

GRA1 07:44:26.9 e PKPab Z

1997-02-03 D 75.0 AZ 18

GRA1 08:04:51.5 i P d Z mb5.2

GRA1 08:05:34.7 e pP Z

SZGRF: OT 07:53:31.8 52.6N 161.4E dep179km

OFF EAST COAST OF KAMCHATKA

1997-02-03 D 79.9 AZ 27

GRA1 20:22:11.4 e P Z mb4.5

SZGRF: OT 20:10:07.3 44.8N 151.9E dep 33km

KURIL ISLANDS REGION

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1997-02-04      D 14.0
  GRC1 02:44:37.0 e Pn      Z
  GRA1 02:44:44.6 e PnI     Z
  GRA1 02:50:04.3 e L       Z T21.4 A293      MS3.4
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1997-02-04      D 35.2 AZ 95
  GRA1 10:00:50.5 i P       c Z      mb5.4
  GRA1 10:00:53.9 e pP     Z
  GRA1 10:00:56.8 e (sP)   Z
  GRA1 10:16:57.2 e L       Z T18.7 A2502    MS5.0
NEIC: OT 09:53:55.7 37.6N 57.3E dep 10km mb5.3
  TURKMENISTAN-IRAN BORDER REGION
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1997-02-04      D 35.2 AZ 92
  GRA1 10:44:41.1 i P       c Z      mb5.7
  GRA1 11:01:00.8 e L       Z T18.8 A104746  MS6.6
NEIC: OT 10:37:47.0 37.7N 57.4E dep 10km mb5.9
  TURKMENISTAN-IRAN BORDER REGION
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1997-02-04      D 54.4 AZ 36
  GRA1 17:23:13.8 e P       Z
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1997-02-04      D 87.1 AZ277
  GRA1 17:43:40.0 i P       c Z      mb5.3
  GRA1 17:43:45.4 i pP     d Z
  GRA1 18:17:26.7 e L       Z T19.1 A315      MS4.7
SZGRF: OT 17:30:55.3 6.7N 82.1W dep 18km
  SOUTH OF PANAMA
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1997-02-04
  GRA1 18:44:24.1 e PKPdf   Z
NEIC: OT 18:24:33.4 20.2S 173.7W dep 33km mb4.4
  TONGA ISLANDS
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1997-02-05      D 35.2 AZ 92
  GRA1 08:00:41.3 e P       c Z      mb4.8
  GRA1 08:00:44.5 e pP     Z
  GRA1 08:16:49.5 e L       Z T21.4 A746      MS4.4
NEIC: OT 07:53:45.6 37.6N 57.6E dep 10km mb5.2
  TURKMENISTAN-IRAN BORDER REGION
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1997-02-05      D 56.5 AZ 38
  GRA1 14:47:58.8 e P       Z      mb4.8
SZGRF: OT 14:38:21.4
  EAST OF LAKE BAIKAL
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1997-02-05 D 3.8 425km
GRA1 17:08:12.5 e Pn Z
GRA1 17:08:48.2 e (Sn) Z

1997-02-05 D 74.7 AZ337
GRA1 19:40:44.6 e P Z mb4.6
GRA1 20:15:13.3 e L Z T19.9 A447 MS4.8
SZGRF: OT 19:29:10.0 51.2N 131.8W dep 33km
QUEEN CHARLOTTE ISLANDS REGION

1997-02-06 D 45.5 AZ 80
GRA1 03:08:17.1 i P c Z mb5.3
GRA1 03:08:54.3 e pP Z
GRA1 03:09:08.9 e (sP) Z
SZGRF: OT 03:00:14.9 38.1N 74.1E dep161km
TAJIK-SINKIANG BORDER REGION

1997-02-06 D 41.8 AZ263
GRA1 06:04:33.4 e P Z mb4.4
GRA1 06:04:39.0 e pP Z
SZGRF: OT 05:56:45.8
NORTH ATLANTIC RIDGE

1997-02-06
GRA1 12:03:59.5 e Pdiff Z
GRA1 12:52:15.9 e L Z T21.9 A1457
NEIC: OT 11:48:01.4 .0N 130.5E dep 10km mb5.0
IRIAN JAYA REGION, INDONESIA

1997-02-06
GRA1 12:33:13.9 e PKPdf Z

1997-02-06
GRA1 20:42:36.3 e Pn Z

1997-02-07
GRA1 01:10:20.9 e PKPdf Z

1997-02-07 D 3.4 376km
GRA1 04:20:45.8 e Pn Z M13.5
NEIC: OT 04:19:46.2 51.6N 16.4E dep 10km mb3.1
POLAND

1997-02-07 D152.0
GRA1 09:00:57.7 e PKPdf Z

GRA1 09:01:03.2 i PKPbc c Z
 GRA1 09:01:12.2 e PKPab Z
 GRA1 09:01:26.2 e pPKPbc Z
 GRA1 09:04:34.2 e PP Z
 GRA1 10:11:11.2 e L Z T21.9 A8356 MS6.5

 1997-02-07 D 45.5 AZ 84

GRA1 19:39:11.7 e P Z

SZGRF: OT 19:30:56.1

PAKISTAN

 1997-02-07 D148.2

GRA1 23:41:50.1 e PKPdf Z

GRA1 23:41:52.8 e PKPbc Z

GRA1 23:41:55.1 e PKPab Z

NEIC: OT 23:22:05.2 18.1S 176.6W dep 33km mb4.7

FIJI ISLANDS REGION

 1997-02-07 D 3.7 406km

GRA1 04:20:45.0 e Pn Z

M13.6

 1997-02-08 D 17.4 AZ135

GRA1 01:54:47.8 e P Z

 1997-02-08 D131.0

GRA1 02:14:56.5 i PKPdf c Z

GRA1 02:15:27.1 e pPKPdf Z

NEIC: OT 01:55:56.1 8.5S 159.0E dep101km mb5.7

SOLOMON ISLANDS

 1997-02-08

GRA1 02:18:13.5 e PKPab c Z

 1997-02-08 D 43.8 AZ104

GRA1 03:35:45.8 e P Z

NEIC: OT 03:28:19.5 30.9N 56.8E dep 10km mb4.6

NORTHERN IRAN

 1997-02-08 D 88.1 AZ 90

GRA1 12:52:24.5 e P d Z

mb5.5

GRA1 12:52:37.8 e (pP) Z

SZGRF: OT 12:39:38.7 1.3N 99.8E dep 45km

NORTHERN SUMATERA

 1997-02-08

GRA1 20:14:22.4 e PKPdf Z

1997-02-09 D 19.8 AZ326
GRA1 02:12:47.8 e P Z
GRA1 02:12:54.1 e pP Z
GRA1 02:23:05.8 e L Z T19.1 A130 MS3.3
SZGRF: OT 02:08:20.1 63.9N 14.4W dep 28km
ICELAND REGION

1997-02-09 D 70.3 AZ356
GRA1 02:22:18.2 e P Z mb4.1
SZGRF: OT 02:11:10.0 60.3N 162.1W dep 33km
SOUTHERN ALASKA

1997-02-09 D 53.4 AZ173
GRA1 03:26:36.1 e P Z mb4.5
GRA1 04:12:56.0 e L Z T20.8 A231 MS4.2
SZGRF: OT 03:17:18.0 3.7S 16.6E dep 33km
ZAIRE REPUBLIC

1997-02-09 D 79.6 AZ 26
GRA1 04:00:45.6 e P Z mb4.5
SZGRF: OT 03:48:42.9 45.5N 153.6E dep 33km
KURIL ISLANDS REGION

1997-02-09
GRA1 05:57:03.9 e PKPdf Z
GRA1 06:45:46.3 e L Z T18.1 A280
NEIC: OT 05:38:37.7 34.7S 70.4W dep130km
CHILE-ARGENTINA BORDER REGION

1997-02-09 D152.2
GRA1 10:45:19.2 e PKPdf Z
GRA1 10:45:26.9 i PKPbc d Z
GRA1 10:45:32.8 e PKPab Z

1997-02-09 D 58.2 AZ 69
GRA1 11:38:28.4 e P Z mb5.0
GRA1 11:38:33.6 e pP Z
GRA1 12:05:53.6 e L Z T18.8 A2477 MS5.3
SZGRF: OT 11:28:36.7 37.1N 93.4E dep 19km
TSINGHAI PROVINCE, CHINA

1997-02-09 D 98.9 AZ258
GRA1 12:46:16.6 i P c Z mb6.1
GRA1 12:46:27.2 e pP Z
GRA1 13:31:09.0 e L Z T20.6 A2973 MS5.8

1997-02-09

GRA1 13:09:34.3 e PKPdf Z

GRA1 13:09:52.2 e pPKPdf Z

NEIC: OT 12:50:23.0 10.8S 162.1E dep 70km mb4.9

SOLOMON ISLANDS

1997-02-09 D 99.3

GRA1 15:11:01.1 e P c Z

mb5.5

GRA1 15:11:07.6 e pP Z

1997-02-09 D151.5

GRA1 15:14:31.0 e PKPdf Z

GRA1 15:14:35.9 e PKPbc Z

GRA1 15:14:42.3 e pPKPbc Z

GRA1 15:14:44.8 e PKPab Z

SZGRF: OT 14:55:47.4

NORFOLK ISLAND REGION

1997-02-09 D 99.1

GRA1 15:22:58.5 e P c Z

mb5.5

GRA1 15:23:05.3 e pP Z

1997-02-09 D 98.7

GRA1 15:31:08.5 e P Z

mb5.2

1997-02-09 D 99.3

GRA1 16:05:20.4 e P Z

mb5.1

GRA1 16:05:27.0 e pP Z

1997-02-09 D 86.3 AZ 41

GRA1 16:40:06.4 i P c Z

mb4.9

SZGRF: OT 16:27:28.8 32.8N 140.5E dep 33km

SOUTH OF HONSHU, JAPAN

1997-02-09 D 74.1 AZ 15

GRA1 19:09:04.0 i P c Z

mb6.3

GRA1 19:44:12.9 e L Z T21.2 A2264 MS5.4

SZGRF: OT 18:57:32.7 54.5N 166.1E dep 33km

KOMANDORSKY ISLANDS REGION

1997-02-09 D 24.5 AZ102

GRA1 21:54:29.3 e P Z

mb4.5

GRA1 22:06:44.2 e L Z T18.9 A205 MS3.6

1997-02-09 D150.9
GRA1 23:30:48.9 e PKPdf Z
GRA1 23:30:54.2 e PKPbc Z
GRA1 23:31:00.2 e PKPab Z
NEIC: OT 23:11:07.6 20.4S 173.6W dep 70km mb4.9
TONGA ISLANDS

1997-02-10 D148.9
GRA1 03:13:13.7 e PKPdf Z
GRA1 03:13:16.8 e PKPbc Z
GRA1 03:13:20.6 e (PKPab) Z

1997-02-10 D 57.6 AZ212
GRA1 05:38:39.6 e P Z
NEIC: OT 05:28:59.5 1.2S 15.8W dep 10km mb4.1
NORTH OF ASCENSION ISLAND

1997-02-10 D 85.4 AZ159
GRA1 06:32:33.2 e P Z

1997-02-10 D 77.2 AZ165
GRA1 16:22:28.5 i P c Z mb5.0

1997-02-10 D108.2
GRA1 19:40:04.7 e Pdiff Z
GRA1 19:44:20.1 e PP Z
GRA1 20:35:20.8 e L Z T21.8 A1712 MS5.6
NEIC: OT 19:25:26.4 9.6S 119.4E dep 33km mb5.5
SUMBA REGION, INDONESIA

1997-02-10 D 89.4 AZ315
GRA1 20:30:21.1 e P Z mb5.0

1997-02-10
GRA1 23:08:30.9 e PKPdf Z

1997-02-10 D 77.6 AZ 34
GRA1 23:09:13.8 i P c Z mb5.6
GRA1 23:09:30.6 e pP Z
GRA1 23:09:38.0 e sP Z
SZGRF: OT 22:57:25.8 43.7N 142.4E dep 61km
HOKKAIDO, JAPAN REGION

1997-02-11

GRA1 12:18:33.6 e PKP Z

1997-02-11 D 79.9 AZ 33

GRA1 17:18:50.4 e P Z

NEIC: OT 17:06:40.9 41.9N 144.7E dep 33km mb4.4

HOKKAIDO, JAPAN REGION

1997-02-11 D 40.3 AZ105

GRA1 18:50:10.7 e P Z mb4.1

NEIC: OT 18:42:24.2 28.1N 57.5E dep 10km mb4.3

SOUTHERN IRAN

1997-02-11 D 50.3 AZ 75

GRA1 20:29:28.0 i P Z mb4.8

GRA1 20:29:38.1 e pP Z

GRA1 20:29:45.9 e sP Z

GRA1 20:49:40.0 e L Z T19.9 A701 MS4.7

SZGRF: OT 20:20:37.0 38.3N 81.8E dep 42km

SOUTHERN SINKIANG PROV., CHINA

1997-02-11

GRA1 21:39:10.0 e PKPdf Z

NEIC: OT 21:20:24.0 21.2S 179.1W dep600km mb4.3

FIJI ISLANDS REGION

1997-02-12 D 75.8 AZ 13

GRA1 05:30:55.4 i P d Z mb5.6

GRA1 05:31:14.3 e pP Z

GRA1 05:31:23.8 e sP Z

GRA1 06:13:32.2 e L Z T20.1 A418 MS4.7

SZGRF: OT 05:19:19.3 53.4N 170.3E dep 72km

NEAR ISLANDS, ALEUTIAN ISLANDS

1997-02-12 D 17.0 AZ226

GRA1 06:49:47.5 e P Z

SZGRF: OT 06:45:50.1

STRAIT OF GIBRALTAR

1997-02-12 D 39.6 AZ294

GRA1 07:19:20.9 e P Z T2.0 A87 mb5.0

GRA1 07:19:27.2 e pP Z

GRA1 07:30:09.5 e L Z T18.3 A646 MS4.5

NEIC: OT 07:13:17.8 53.5N 35.1W dep 10km mb5.0

NORTH ATLANTIC OCEAN

1997-02-12 D 77.3

GRA1 13:02:15.6 e P Z mb5.3

1997-02-12

GRA1 17:07:44.6 e (P) Z
 NEIC: OT 17:00:04.1 28.3N 55.6E dep 33km mb3.9
 SOUTHERN IRAN

1997-02-12 D 87.1 AZ 66

GRA1 17:34:45.3 e P Z mb5.2
 GRA1 17:34:50.6 e (pP) Z
 GRA1 18:21:08.3 e L Z T19.5 A270 MS4.7
 NEIC: OT 17:21:23.4 10.3N 121.5E dep 33km mb5.1
 PANAY, PHILIPPINE ISLANDS

1997-02-12

GRA1 22:58:43.1 e Pn Z
 GRA1 23:04:27.1 e L Z T20.5 A275
 NEIC: OT 22:55:38.2 38.9N 21.5E dep 33km mb4.2
 GREECE

1997-02-12 D 3.6 399km

GRA1 11:10:44.8 e Pn Z M14.1

1997-02-13 D 3.6 402km

GRA1 05:41:19.3 e Pn Z M13.7

1997-02-13 D 29.9 AZ357

GRA1 10:28:42.4 e P Z mb4.6
 GRA1 10:28:49.1 e (pP) Z
 GRA1 10:36:41.7 e L Z T19.0 A367 MS4.0
 SZGRF: OT 10:22:37.7 79.3N 2.1E dep 26km
 GREENLAND SEA

1997-02-13 D149.4

GRA1 12:31:10.5 e PKPdf Z
 GRA1 12:31:14.5 i PKPbc d Z
 GRA1 12:31:18.2 e PKPab Z
 NEIC: OT 12:12:25.2 18.0S 178.0W dep500km mb4.9
 FIJI ISLANDS REGION

1997-02-13

GRA1 12:37:27.9 e PKP Z
 NEIC: OT 12:18:46.3 18.2S 178.1W dep600km mb4.7
 FIJI ISLANDS REGION

1997-02-13

GRA1 13:48:03.3 e PKP Z

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1997-02-13      D 26.2  AZ100
  GRA1 15:52:07.6 e (P)      Z
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1997-02-13      D 96.2  AZ 62
  GRA1 22:16:39.4 e P        Z          mb5.2
  GRA1 23:14:34.0 e L        Z T19.1  A221  MS4.7
NEIC:  OT 22:03:17.6 10.2N 121.6E dep 33km mb4.9
  PANAY, PHILIPPINE ISLANDS
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1997-02-13      D 75.5  AZ 18
  GRA1 23:43:18.5 i P        d Z          mb4.9
SZGRF: OT 23:31:38.8 52.3N 162.7E dep 33km
  OFF EAST COAST OF KAMCHATKA
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1997-02-14      D 3.5   391km
  GRB1 07:58:39.3 e Pn       Z          M14.0
  GRA1 07:58:40.0 e Pn       Z          M13.9
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1997-02-14      D 47.7  AZ264
  GRA1 16:30:56.0 i P        d Z          mb5.1
  GRA1 16:31:01.8 e pP       Z
  GRA1 16:44:10.6 e L        Z T19.1  A256  MS4.2
NEIC:  OT 16:23:34.0 34.5N 37.0W dep 10km mb4.6
  NORTHERN MID-ATLANTIC RIDGE
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1997-02-14      D157.6
  GRA1 17:56:54.7 e PKPab    Z
  GRA1 17:57:06.9 e pPKPab   Z
  GRA1 17:57:11.0 e sPKPab   Z
  GRA1 19:14:06.2 e L        Z T18.1  A556  MS5.4
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1997-02-14
  GRA1 23:51:39.6 i PKP      c Z
  GRA1 00:41:01.2 e L        Z T20.3  A89
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1997-02-15      D 47.9  AZ 74
  GRA1 05:34:36.5 i P        d Z          mb4.9
SZGRF: OT 05:26:02.3 39.9N 79.5E dep 33km
  SOUTHERN SINKIANG PROV., CHINA
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1997-02-15      D 76.2  AZ 20
  GRA1 07:19:10.2 e P        Z          mb5.1
SZGRF: OT 07:07:26.7 51.0N 160.2E dep 33km
  OFF EAST COAST OF KAMCHATKA

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1997-02-15 D106.0
GRA1 12:29:08.9 e PKPdf Z
NEIC: OT 12:11:14.9 7.8S 117.5E dep274km mb5.6
BALI SEA

1997-02-15 D 37.3 AZ107
GRA1 19:54:38.9 i P c Z mb4.4
SZGRF: OT 19:47:30.5 29.6N 52.9E dep 33km
SOUTHERN IRAN

1997-02-15
GRA1 21:07:52.7 e Pdiff Z
NEIC: OT 20:55:08.3 24.3N 125.3E dep 33km mb4.4
SOUTHWESTERN RYUKYU ISLANDS

1997-02-16
GRA1 04:02:52.8 e PKPab Z

1997-02-16 D 18.9 AZ150
GRA1 11:06:42.0 e P Z
GRA1 11:13:31.3 e L Z T21.8 A218 MS3.4
SZGRF: OT 11:02:23.5 32.6N 22.1E dep 33km
NEAR COAST OF LIBYA

1997-02-16
GRA1 11:16:59.0 e PKPdf Z

1997-02-16 D 85.8 AZ 39
GRA1 20:34:55.5 e P Z mb4.8
NEIC: OT 20:22:33.5 35.6N 140.3E dep 68km mb4.6
NEAR EAST COAST OF HONSHU, JAPAN

1997-02-17 D 39.3 AZ105
GRA1 04:39:07.3 i P c Z mb4.7
GRA1 04:39:10.8 e (pP) Z
GRA1 04:58:43.7 e L Z T21.1 A254 MS4.0
SZGRF: OT 04:31:39.1 29.0N 55.6E dep 13km
SOUTHERN IRAN

1997-02-17 D 66.5 AZ349
GRA1 09:44:29.7 e P Z mb4.9
SZGRF: OT 09:33:44.8 62.7N 146.6W dep 33km
CENTRAL ALASKA

1997-02-17 D 2.3 251km
GRC1 10:54:19.2 e Pn Z M12.9

GRA1	10:54:28.4	e Pn	Z		M13.3

1997-02-17	D 99.2				
GRA1	18:05:30.7	e P	Z		mb5.5
GRA1	18:05:39.8	e pP	Z		

1997-02-17	D 47.2	AZ 75			
GRA1	18:08:37.4	e P	Z		mb4.7
GRA1	18:08:47.8	e pP	Z		
GRA1	18:08:53.7	e sP	Z		
NEIC:	OT 18:00:07.1	39.6N	77.9E	dep 10km	mb4.2
	SOUTHERN XINJIANG, CHINA				

1997-02-18					
GRA1	03:00:10.8	e (PKP)	Z		

1997-02-18	D 3.7	409km			
GRA1	05:30:41.1	e Pn	Z		M13.9

1997-02-18	D 76.3	AZ 79			
GRA1	21:25:04.5	e P	Z		
SZGRF:	OT 21:13:19.5	17.7N	100.5E	dep 33km	
	SOUTHEAST ASIA				

1997-02-18	D 4.4	490km			
GRC1	21:43:44.9	e Pn	Z		
GRA1	21:43:54.7	e Pn	Z		M14.2
GRA1	21:44:51.1	e Sn	E		

1997-02-18					
GRA1	23:43:36.2	e PKP	Z		
NEIC:	OT 23:24:29.2	6.8S	154.8E	dep 33km	mb4.1
	SOLOMON ISLANDS				

1997-02-19	D 79.3	AZ 26			
GRA1	16:06:30.9	e P	Z		mb4.9
SZGRF:	OT 15:54:30.2	45.8N	153.3E	dep 33km	
	KURIL ISLANDS REGION				

1997-02-19	D 84.6	AZ273			
GRA1	18:37:38.2	i P	d Z		mb5.7
GRA1	18:38:06.0	e pP	Z		
GRA1	18:38:15.5	e sP	Z		
GRA1	19:10:48.0	e L	Z	T19.8 A646	MS5.0

SZGRF: OT 18:25:16.4 6.1N 77.6W dep104km
NEAR WEST COAST OF COLOMBIA

1997-02-19 D 4.2 465km
GRA1 18:43:15.9 e Pn Z

1997-02-19 D 23.4 AZ241
GRA1 20:04:56.4 e P Z
GRA1 20:05:03.0 e pP Z

1997-02-19 D 83.5
GRC4 20:33:52.4 e P Z
GRA1 20:34:03.6 i P c Z mb5.7
GRA1 20:34:25.5 e pP Z
GRA1 20:36:52.8 e PP Z
GRA1 20:37:14.8 e (pPP) Z
GRA1 21:09:20.5 e L Z T18.4 A569 MS5.0
SZGRF: OT 20:21:48.4 36.9N 141.2E dep 82km
NEAR EAST COAST OF HONSHU, JAPAN

1997-02-19
GRA1 21:54:54.6 e Sn Z

1997-02-20 D 78.9 AZ 35
GRA1 08:07:03.1 i P c Z mb5.7
GRA1 08:07:17.5 e pP Z
SZGRF: OT 07:55:06.7 41.9N 141.6E dep 50km
HOKKAIDO, JAPAN REGION

1997-02-20 D 6.9
GRC1 14:26:10.6 e Pn Z
GRA1 14:26:19.5 e Pn Z
GRA1 14:27:41.9 e Sn N
NEIC: OT 14:24:29.7 44.0N 18.3E dep 10km mb3.8
NORTHWESTERN BALKAN REGION

1997-02-21 D 77.9 AZ 9
GRA1 08:42:02.0 e P Z mb4.9
GRA1 08:42:22.4 e pP Z
GRA1 08:42:31.7 e sP Z
SZGRF: OT 08:30:14.5 52.0N 176.4E dep 78km
RAT ISLANDS, ALEUTIAN ISLANDS

1997-02-21 D 48.9 AZ 75
GRA1 14:37:20.3 e P Z mb5.2
SZGRF: OT 14:28:38.4 39.0N 80.3E dep 33km

SOUTHERN SINKIANG PROV., CHINA

1997-02-21 D 79.7 AZ 22
GRA1 17:35:43.1 i P c Z mb5.0
SZGRF: OT 17:23:40.5 46.9N 158.4E dep 33km
KURIL ISLANDS REGION

1997-02-21 D 80.9 AZ 30
GRA1 23:52:31.4 i P c Z mb6.6
GRA1 23:52:46.7 e pP Z
GRA1 23:52:55.3 e sP Z
GRA1 00:33:50.1 e L Z T18.4 A8514 MS6.1
SZGRF: OT 23:40:25.0 42.7N 149.4E dep 57km
OFF COAST OF HOKKAIDO, JAPAN

1997-02-22
GRA1 00:11:16.7 e PKP Z

1997-02-22
GRA1 00:19:27.8 e PKP Z

1997-02-22 D 3.6 405km
GRA1 04:26:44.4 e Pn Z M13.5

1997-02-22 D 55.7 AZ 80
GRA1 10:24:33.8 e P Z mb4.4
NEIC: OT 10:16:37.1 39.1N 71.7E dep 90km mb4.5
TAJIKISTAN

1997-02-22 D 3.6 402km
GRA1 10:53:32.0 e Pn Z M14.1

1997-02-22 D 3.6 403km
GRA1 12:08:34.1 e Pn Z M13.9

1997-02-22
GRA1 12:38:54.3 e (PKPdf) Z
GRA1 12:38:57.7 e PKPbc Z
NEIC: OT 12:19:06.9 18.2S 177.3W dep 33km mb4.8
FIJI ISLANDS REGION

1997-02-22
GRA1 13:33:40.4 e PKP Z

1997-02-22 D 15.0 AZ151
GRA1 19:34:29.6 e P Z
GRA1 19:34:42.2 e P1 Z
GRA1 19:40:27.3 e L Z T19.1 A496
NEIC: OT 19:31:17.0 38.5N 22.1E dep 10km mb4.4
GREECE

1997-02-23
GRA1 00:59:15.5 e PKP Z
NEIC: OT 00:40:37.0 17.6S 178.7W dep600km mb5.0
FIJI ISLANDS REGION

1997-02-23
GRA1 01:01:28.5 e PKP Z

1997-02-23 AZ308
GRA1 01:48:52.6 e (P) Z

1997-02-23
GRA1 04:01:05.7 e PKP Z

1997-02-23 D 31.1 AZ264
GRA1 16:36:46.8 e P Z
NEIC: OT 16:28:46.4 31.0N 40.9W dep 10km
NORTHERN MID-ATLANTIC RIDGE

1997-02-23
GRA1 18:46:59.0 e PKP Z
NEIC: OT 18:28:12.1 16.2S 177.1W dep500km mb4.1
FIJI ISLANDS REGION

1997-02-23 D152.9
GRA1 20:13:38.6 e (PKPdf) Z
GRA1 20:13:45.5 e PKPbc Z
GRA1 20:13:55.9 e PKPab Z
GRA1 20:16:01.2 e pPKPbc Z
NEIC: OT 19:54:59.8 21.9S 179.6W dep612km mb5.0
FIJI ISLANDS REGION

1997-02-23 D 92.9 AZ 64
GRA1 20:26:34.2 e P c Z mb5.3
GRA1 20:26:46.0 e pP Z
GRA1 21:14:54.8 e L Z T19.3 A383 MS4.9
SZGRF: OT 20:13:26.1 14.5N 123.7E dep 40km
LUZON, PHILIPPINE ISLANDS

1997-02-24

GRA1 02:05:13.1 i PKPab c Z

1997-02-24

D 81.1 AZ 49

GRA1 02:37:17.2 i P d Z

mb4.9

SZGRF: OT 02:25:06.4 32.5N 128.5E dep 33km

KYUSHU, JAPAN

1997-02-24

D 55.9 AZ250

GRA1 04:27:06.0 e P c Z

mb5.1

GRA1 04:35:24.5 e S Z

GRA1 04:49:38.5 e L Z T20.0 A573

MS4.7

SZGRF: OT 04:17:31.0 14.3N 42.4W dep 33km

NORTH ATLANTIC OCEAN

1997-02-24

D 17.5 AZ224

GRA1 07:13:48.9 e P Z

mb4.3

GRA1 07:13:53.8 e (pP) Z

GRA1 07:21:23.9 e L Z T14.1 A574

MS4.0

SZGRF: OT 07:09:44.6 35.9N 3.7W dep 22km

STRAIT OF GIBRALTAR

1997-02-24

D 3.6 400km

GRC1 12:07:40.6 e Pn Z

M13.8

GRA1 12:07:49.0 e Pn Z

M14.0

1997-02-24

GRA1 17:17:53.1 e PKPdf Z

NEIC: OT 16:58:32.1 11.6S 165.7E dep 50km mb4.7

SANTA CRUZ ISLANDS

1997-02-24

D 3.5 391km

GRA1 22:41:03.3 e Pn Z

M13.6

1997-02-25

D 21.8 AZ318

GRA1 16:39:59.0 e P Z

NEIC: OT 16:34:47.5 63.2N 24.6W dep 10km mb4.4

ICELAND REGION

1997-02-25

D 44.5

GRA1 17:06:40.1 e P Z

mb4.8

GRA1 17:07:03.9 e pP Z

NEIC: OT 16:58:05.5 36.5N 70.6E dep228km mb4.5

HINDU KUSH REGION, AFGHANISTAN

1997-02-25

GRA1 19:36:46.1 e PKPdf Z
NEIC: OT 19:17:05.7 21.3S 169.8E dep 33km mb4.3
LOYALTY ISLANDS REGION

1997-02-25 D151.0

GRA1 20:04:44.5 i PKPdf d Z
GRA1 20:04:56.7 e PKPab Z
GRA1 20:08:20.8 e PP Z
GRA1 21:13:26.6 e L Z T21.1 A694 MS5.4
NEIC: OT 19:45:07.4 21.1S 169.6E dep 33km mb5.6
LOYALTY ISLANDS REGION

1997-02-25

GRA1 21:29:33.1 e PKPab Z

1997-02-25 D 15.0 AZ161

GRA1 23:51:34.6 i P c Z
NEIC: OT 23:49:07.3 39.5N 15.5E dep276km
SOUTHERN ITALY

1997-02-26 D 4.7 523km

GRA1 06:43:21.6 e Pn Z
NEIC: OT 06:41:31.1 44.1N 18.3E dep 10km mb5.1
NORTHWESTERN BALKAN REGION

1997-02-26 D 3.5 393km

GRA1 06:53:22.8 e Pn Z M13.6

1997-02-26 AZ215

GRA1 18:44:27.8 e (PKP) Z
NEIC: OT 18:25:42.0 47.6S 100.2E dep 10km mb5.0
SOUTHEAST INDIAN RIDGE

1997-02-26 D123.5

GRA1 18:46:13.9 e PKPdf Z
GRA1 19:44:41.9 e L Z T20.3 A2017 MS5.8

1997-02-26 D 80.4 AZ 19

GRA1 19:13:02.2 i P c Z mb4.9
GRA1 19:13:14.7 e pP Z
SZGRF: OT 19:00:57.1 47.2N 162.6E dep 43km
KURIL ISLANDS REGION

1997-02-26 D 6.4

GRA1 21:59:50.6 e (Pn) Z
GRA1 22:01:02.1 e Sn Z

 1997-02-27 D152.3
 GRA1 13:10:58.3 e PKPdf Z
 GRA1 13:11:05.9 e PKPbc Z
 GRA1 13:11:15.4 e pPKPbc Z
 GRA1 13:11:26.8 e PKPab Z
 GRA1 14:26:09.0 e L Z T19.7 A604 MS5.4
 NEIC: OT 12:51:11.2 22.4S 174.9W dep 33km mb5.3
 TONGA ISLANDS REGION

1997-02-27 D 77.7 AZ 36
 GRA1 14:34:17.1 i P c Z mb5.5
 SZGRF: OT 14:22:25.2 42.6N 139.9E dep 33km
 HOKKAIDO, JAPAN REGION

1997-02-27 D 27.6 AZ266
 GRA1 18:03:03.8 e P d Z mb4.8
 GRA1 18:03:09.7 e pP Z
 NEIC: OT 17:55:42.2 34.5N 36.9W dep 10km mb4.5
 NORTHERN MID-ATLANTIC RIDGE

1997-02-27 AZ145
 GRA1 18:06:56.0 e P Z

1997-02-27 D 46.2 AZ 90
 GRA1 21:16:31.5 i P d Z T1.6 A601 mb6.4
 GRA1 21:16:52.9 e pP Z
 GRA1 21:17:11.6 e sP Z
 GRA1 21:23:24.6 e S Z
 GRA1 21:38:32.7 e L Z T19.9 A73007 MS6.6
 SZGRF: OT 21:08:10.2 32.1N 69.5E dep 33km
 PAKISTAN

1997-02-27 D 47.9 AZ 93
 GRA1 21:25:56.9 e P Z mb5.2
 NEIC: OT 21:17:26.0 29.8N 68.4E dep 33km mb5.1
 PAKISTAN

1997-02-27 D 47.3 AZ 94
 GRA1 21:39:04.7 i P c Z mb6.4
 GRA1 21:39:11.8 e pP Z
 SZGRF: OT 21:30:34.0 28.8N 67.8E dep 26km
 PAKISTAN

1997-02-27 AZ202
 GRA1 21:52:29.7 e P Z
 GRA1 21:52:55.9 e pP Z

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1997-02-27      D 66.0  
  GRA1 22:48:22.8 e P      Z  
  GRA1 22:48:24.6 e (pP)   Z  
SZGRF: OT 22:37:29.8  
  SOUTH ATLANTIC OCEAN  
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1997-02-27      D 38.6  AZ 94  
  GRA1 22:50:30.3 e P      Z      mb4.2  
NEIC: OT 22:41:58.7 29.5N 68.3E dep 33km mb4.7  
  PAKISTAN  
-----  
1997-02-28      D 12.1  
  GRA1 00:08:18.6 i P      d Z  
  GRA1 00:08:23.1 e (pP)   Z  
-----  
1997-02-28  
  GRA1 00:47:44.2 e PKPdf   Z  
-----  
1997-02-28      D 51.4  AZ 94  
  GRA1 01:12:42.9 e P      Z      mb4.5  
NEIC: OT 01:04:11.8 30.1N 69.1E dep 33km mb4.5  
  PAKISTAN  
-----  
1997-02-28      D 52.1  AZ 97  
  GRA1 01:54:57.3 e P      Z      mb4.6  
  GRA1 01:55:01.3 e (pP)   Z  
NEIC: OT 01:46:25.7 29.5N 68.2E dep 33km mb4.6  
  PAKISTAN  
-----  
1997-02-28      D 24.0  AZ 84  
  GRA1 02:19:38.1 e (P)     Z  
-----  
1997-02-28      D 45.8  AZ 94  
  GRA1 03:26:07.7 e P      Z      mb4.5  
  GRA1 03:48:15.6 e L      Z T20.4 A204 MS4.1  
SZGRF: OT 03:17:49.8 29.8N 66.5E dep 33km  
  PAKISTAN  
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1997-02-28      D150.1  
  GRA1 07:14:18.8 e PKPdf   Z  
  GRA1 07:14:22.3 i PKPbc  d Z  
  GRA1 07:14:28.8 e PKPab   Z  
NEIC: OT 06:54:03.7 22.1S 174.0E dep 33km mb5.0  
  LOYALTY ISLANDS REGION
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1997-02-28

GRA1 11:17:53.2 e PKPbc Z

GRA1 11:17:56.1 e PKPab Z

1997-02-28 D 77.1 AZ 32

GRA1 11:44:23.5 i P c Z mb6.9

GRA1 12:23:50.9 e L Z T18.8 A4290 MS5.8

SZGRF: OT 11:32:34.8 45.0N 144.0E dep 33km

HOKKAIDO, JAPAN REGION

1997-02-28 D 27.9 AZ 99

GRA1 13:03:18.8 i P d Z mb5.8

GRA1 13:03:25.0 e (pP) Z

GRA1 13:16:43.7 e L Z T19.6 A28426 MS5.9

SZGRF: OT 12:57:31.4 38.9N 47.5E dep 24km

NORTHWESTERN IRAN

1997-02-28 D 44.0 AZ236

GRA1 14:01:57.2 e P Z

1997-02-28 D 96.0 AZ141

GRA1 14:42:06.2 e P Z

SZGRF: OT 14:28:40.6

SOUTH INDIAN OCEAN

1997-02-28

GRA1 15:13:44.9 i PKPdf c Z

GRA1 15:14:00.5 e pPKPdf Z

NEIC: OT 14:54:14.7 15.2S 173.6W dep 87km mb4.9

TONGA ISLANDS

1997-02-28

GRA1 16:18:59.2 e PKPbc Z

GRA1 16:19:03.8 e PKPab Z

1997-02-28

GRA1 23:01:03.7 e PKP Z