

MONTHLY TELESEISMIC BULLETIN of SZGRF-ERLANGEN - June 1998

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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				

1998-06-01 D 81.3 AZ 36

 GRA1 01:33:30.0 i P c Z mb5.7

 ALIGN 01:33:30.0 T1.0 A73

 GRA1 01:33:40.5 e pP Z

 GRA1 01:33:44.9 e sP Z

 GRA1 02:14:57.3 e L Z T18.6 A753 MS5.1

SZGRF: OT 01:21:19.0 39.7N 142.6E dep 37km

 NEAR EAST COAST OF HONSHU, JAPAN

1998-06-01 D 83.9 AZ 32

 GRA1 02:37:14.1 e P Z mb4.5

 BEAM 02:37:14.1 T1.0 A4

SZGRF: OT 02:24:48.7

 OFF EAST COAST OF HONSHU, JAPAN

1998-06-01 D 74.7 AZ 20

 GRA1 05:45:39.4 i P c Z mb6.7

 ALIGN 05:45:39.4 T1.3 A1120

 GRA1 05:45:52.7 e (pP) Z

 GRA1 06:16:54.1 e L Z T27.1 A29330 MS6.4

1998-06-01 D 83.8

 GRA1 07:47:36.3 i P c Z mb5.8

 ALIGN 07:47:36.3 T1.1 A75

 GRA1 07:49:07.7 e pP Z

 GRA1 07:50:49.6 e (PP) Z

NEIC: OT 07:35:50.4 33.9N 136.1E dep398km mb5.2

 NEAR S. COAST OF WESTERN HONSHU

1998-06-01 D 44.3 AZ 84

 GRA1 11:52:17.7 i P c Z mb4.8

 ALIGN 11:52:17.7 T1.2 A22

 GRA1 11:52:21.8 e (pP) Z

 GRA1 11:54:05.3 e (PP) Z

GRA1 12:11:44.1 e L Z T20.1 A241 MS4.1
SZGRF: OT 11:44:09.1 36.5N 70.8E dep 15km
HINDU KUSH REGION

1998-06-01 D 6.7
GRA1 13:58:46.0 e Pn Z M14.7
GRA1 14:00:00.9 e Sn E
SZGRF: OT 13:57:09.6 43.1N 13.2E dep 10km
CENTRAL ITALY

1998-06-01 D 42.1 AZ 84
GRA1 13:50:10.7 e P Z mb4.3
BEAM 13:50:10.7 T1.4 A8
GRA1 14:09:15.0 e L Z T20.1 A99 MS3.7
SZGRF: OT 13:42:22.6 37.8N 68.5E dep 33km
AFGHANISTAN-USSR BORDER REGION

1998-06-01 D 6.7
GRA1 14:42:10.2 e Pn Z
GRA1 14:43:15.5 e Sn E

1998-06-01 D 81.8
GRA1 18:38:40.6 e P Z mb4.4
BEAM 18:38:40.6 T1.0 A3
GRA1 18:38:50.5 e pP Z

1998-06-01 D 6.7
GRA1 19:49:07.1 e Pn Z
GRA1 19:50:20.8 e (Sn) Z

1998-06-01 D 32.7 AZ360
GRA1 21:06:47.1 e P Z mb4.3
BEAM 21:06:47.1 T1.3 A5

1998-06-01 D 81.3 AZ 32
GRA1 23:07:22.6 i P c Z mb4.8
ALIGN 23:07:22.6 T1.0 A9
NEIC: OT 22:55:05.2 39.4N 143.0E dep 33km mb4.7
OFF EAST COAST OF HONSHU, JAPAN

1998-06-01 D 85.0 AZ 33
GRA1 23:14:32.7 e P Z mb4.9
ALIGN 23:14:32.7 T0.9 A7
GRA1 23:14:43.6 e pP Z
SZGRF: OT 23:02:02.4 37.5N 147.8E dep 37km

OFF EAST COAST OF HONSHU, JAPAN

1998-06-02 D 74.5 AZ 51
GRA1 01:43:04.8 e P Z mb4.8
BEAM 01:43:04.8 T1.2 A12
NEIC: OT 01:32:07.1 41.3N 114.5E dep 10km mb4.8
NORTHEASTERN CHINA

1998-06-02 D 79.7 AZ 26
GRA1 02:06:24.4 i P c Z mb5.2
ALIGN 02:06:24.4 T1.2 A35
GRA1 02:06:40.0 e pP Z
GRA1 02:06:48.1 e sP Z
SZGRF: OT 01:54:24.8 45.4N 153.4E dep 58km
KURIL ISLANDS REGION

1998-06-02 D 77.6 AZ 50
GRA1 02:58:28.8 e P Z mb4.5
BEAM 02:58:28.8 T1.2 A5
SZGRF: OT 02:46:37.1
SOUTH KOREA

1998-06-02
GRA1 03:15:25.5 e Pn Z
GRA1 03:15:38.2 e Pg Z
GRA1 03:16:24.2 e Sg N
NEIC: OT 03:14:26.7 51.6N 16.2E dep 5km
POLAND

1998-06-02 D 27.9
GRA1 10:27:13.4 e P Z mb4.6
BEAM 10:27:13.4 T1.4 A15
GRA1 10:37:03.5 e L Z T19.1 A361 MS4.0
NEIC: OT 10:21:21.7 43.7N 29.0W dep 10km mb4.8
NORTHERN MID-ATLANTIC RIDGE

1998-06-02 D 80.3 AZ 35
GRA1 12:08:31.8 e P Z mb5.0
ALIGN 12:08:31.8 T1.2 A25
GRA1 12:08:40.7 e pP Z
GRA1 12:08:46.2 e sP Z
GRA1 12:49:45.9 e L Z T20.3 A259 MS4.6
NEIC: OT 11:56:12.9 39.2N 143.5E dep 33km mb4.7
OFF EAST COAST OF HONSHU, JAPAN

1998-06-02 D 87.2 AZ292
GRA1 14:10:21.0 e P Z mb4.9
BEAM 14:10:21.0 T1.5 A16
GRA1 14:10:46.6 e Z

GRA1 14:11:18.2 e Z
GRA1 14:44:31.7 e L Z T21.7 A514 MS4.9
SZGRF: OT 13:57:38.7 16.5N 94.1W dep 33km
OAXACA, MEXICO

1998-06-02 D 5.1
GRA1 18:04:18.5 e Pn Z M14.7
GRA1 18:05:14.7 e Sn E
GRA1 18:06:06.9 e L Z T18.8 A98 MS2.2
SZGRF: OT 18:03:02.0 46.3N 16.8E dep 10km
YUGOSLAVIA

1998-06-02 D 4.3 483km
GRA1 20:47:56.9 e (Pg) Z
GRA1 20:48:58.6 e Sg Z
SZGRF: OT 20:46:41.1 45.8N 14.1E dep 10km
YUGOSLAVIA

1998-06-02 D 84.3 AZ 33
GRA1 21:19:08.7 e P Z
GRA1 21:19:17.6 e pP Z
GRA1 21:19:23.9 e sP Z
GRA1 22:00:57.2 e L Z T20.9 A154 MS4.4
SZGRF: OT 21:06:41.5
OFF EAST COAST OF HONSHU, JAPAN

1998-06-02 D 6.5
GRA1 23:13:02.6 e Pn Z M14.8
GRA1 23:16:17.5 e L Z T15.6 A612 MS3.2
SZGRF: OT 23:11:26.6 43.3N 12.9E dep 10km
CENTRAL ITALY

1998-06-03
GRA1 05:33:54.3 e PKPdf Z

1998-06-03 D 5.0
GRA1 05:36:13.6 e Pn Z
GRA1 05:37:10.5 e Sn N

1998-06-03 D 13.5
GRA1 08:50:21.4 e P Z
GRA1 08:50:32.1 e P1 Z
NEIC: OT 08:47:09.9 39.8N 24.1E dep 12km mb4.6
AEGEAN SEA

1998-06-03 AZ284
GRA1 10:18:58.2 e PKPdf Z

NEIC: OT 10:00:12.0 17.3S 179.0W dep500km mb4.4
FIJI ISLANDS REGION

1998-06-03 D 28.0
GRA1 15:53:00.1 i P d Z mb5.3
ALIGN 15:53:00.1 T1.5 A75
GRA1 16:02:39.3 e L Z T19.7 A1121 MS4.5
NEIC: OT 15:47:07.8 43.7N 29.0W dep 10km mb5.1
NORTHERN MID-ATLANTIC RIDGE

1998-06-03 D 27.9
GRA1 17:15:55.6 e P Z mb4.7
ALIGN 17:15:55.6 T1.2 A14
GRA1 17:25:44.3 e L Z T20.7 A452
NEIC: OT 17:10:03.8 43.7N 28.9W dep 10km mb4.9
NORTHERN MID-ATLANTIC RIDGE

1998-06-03 D 3.9 438km
GRA1 18:01:42.6 e Pn Z M14.2
GRA1 18:02:48.6 e Sg N
SZGRF: OT 18:00:43.1 45.8N 11.1E dep 10km
NORTHERN ITALY

1998-06-03 D 8.8
GRA1 21:28:38.4 e (Pn) Z
GRA1 21:30:12.1 e Sn Z

1998-06-04 D 23.8 AZ325
GRA1 21:41:54.8 e P Z T1.0 A99 mb5.3
GRA1 21:46:08.0 e S E
GRA1 21:50:14.8 e L Z T21.8 A2728 MS4.7
SZGRF: OT 21:36:45.7 65.6N 22.9W dep 33km
ICELAND

1998-06-04 D 44.8 AZ 84
GRA1 22:07:18.8 e P Z T1.3 A11 mb4.6
SZGRF: OT 21:59:08.7 36.2N 71.3E dep 33km
AFGHANISTAN-USSR BORDER REGION

1998-06-04 D 23.8 AZ325
GRA1 23:05:00.2 e P Z T0.8 A11 mb4.4
GRA1 23:13:37.9 e L Z T19.3 A297 MS3.8
SZGRF: OT 22:59:51.0 65.6N 22.9W dep 33km
ICELAND

1998-06-05 D 43.4 AZ 83
GRA1 02:39:31.0 e P Z T1.4 A15 mb4.5
SZGRF: OT 02:31:32.2 37.5N 70.3E dep 33km

AFGHANISTAN-USSR BORDER REGION

 1998-06-05 D 3.7 413km
 GRA1 13:14:24.6 e Sg N M13.7
 SZGRF: OT 13:12:25.9 51.5N 16.3E dep 1km
 POLAND

 1998-06-05 D 8.0
 GRA1 18:07:43.4 e Sn N
 NEIC: OT 18:04:48.2 42.9N 12.7E dep 10km
 CENTRAL ITALY

 1998-06-05 D 5.8
 GRC3 21:54:38.3 e Pn Z
 GRA1 21:54:48.8 e Pn Z
 GRA1 21:56:02.5 e Sn N
 GRA1 21:57:57.9 e L Z T13.8 A402 MS3.1
 SZGRF: OT 21:53:13.8 43.2N 12.9E dep 10km
 CENTRAL ITALY

 1998-06-05
 GRA1 23:58:23.2 e PKP Z
 NEIC: OT 23:38:38.3 18.4S 173.0W dep 33km mb4.8
 TONGA ISLANDS

 1998-06-06
 GRA1 01:23:39.3 e PKP Z
 GRA1 01:23:51.8 e Z
 NEIC: OT 01:04:06.9 19.1S 168.1E dep 33km mb4.7
 VANUATU ISLANDS

 1998-06-06
 GRA1 01:35:51.1 e PKP Z
 NEIC: OT 01:16:05.7 22.9S 169.5E dep 33km mb4.8
 LOYALTY ISLANDS REGION

 1998-06-06 D 44.1 AZ 82
 GRA1 04:49:59.8 e P Z T1.5 A41 mb4.9
 GRA1 05:11:44.4 e L Z T18.3 A259 MS4.2
 SZGRF: OT 04:41:55.2 37.4N 71.4E dep 33km
 AFGHANISTAN-USSR BORDER REGION

 1998-06-06 D 63.6 AZ 77
 GRA1 11:16:34.3 e P Z T1.7 A32 mb5.3
 SZGRF: OT 11:06:07.6 28.1N 92.3E dep 33km
 INDIA-CHINA BORDER REGION

 1998-06-06 D 62.4 AZ 77
 GRA1 11:23:14.5 e P Z

SZGRF: OT 11:12:55.8 28.9N 91.3E dep 33km
TIBET

1998-06-06 D 45.0 AZ 83
GRA1 13:45:13.0 e P Z T1.4 A49 mb5.2
GRA1 14:06:44.7 e L Z T19.8 A589 MS4.5

SZGRF: OT 13:37:01.9 36.5N 71.7E dep 33km
AFGHANISTAN-USSR BORDER REGION

1998-06-06 D 78.2 AZ 22
GRA1 17:58:30.3 e P Z T1.0 A19 mb5.2

SZGRF: OT 17:46:35.6 48.2N 157.5E dep 33km
KURIL ISLANDS REGION

1998-06-06 D 4.9 549km
GRC1 20:21:38.7 e Sg N
GRA1 20:21:41.0 e Sg N

SZGRF: OT 20:19:02.0 50.2N 18.9E dep 1km
POLAND

1998-06-06
GRA1 22:01:46.0 e PKP Z
NEIC: OT 21:42:28.8 24.5S 179.7W dep500km mb4.3
SOUTH OF FIJI ISLANDS

1998-06-06 D 43.0 AZ 82
GRA1 22:41:13.4 e P Z T1.4 A22 mb4.7
SZGRF: OT 22:33:18.1 38.1N 70.1E dep 33km
AFGHANISTAN-USSR BORDER REGION

1998-06-06 D 34.1
GRA1 21:56:34.3 e P Z T1.4 A13 mb4.7
NEIC: OT 21:50:36.2 28.7N 14.4W dep 10km mb4.2
CANARY ISLANDS REGION

1998-06-07 D 47.8 AZ 73
GRA1 00:13:54.0 e P Z T0.9 A45 mb5.6
GRA1 00:13:57.3 e Z
SZGRF: OT 00:05:20.4 40.5N 80.1E dep 33km
SOUTHERN SINKIANG PROV., CHINA

1998-06-07 D 3.6 405km
GRA1 00:22:44.7 e Pn Z M13.2
GRA1 00:23:43.7 e Sg E
SZGRF: OT 00:21:47.4 51.5N 16.2E dep 1km
POLAND

1998-06-07 D 53.8 AZ 82
GRA1 04:04:16.8 e P Z T1.2 A14 mb4.9

SZGRF: OT 03:54:58.4 31.9N 81.0E dep 33km
TIBET

1998-06-07 D 56.0
GRA1 09:16:19.6 e P Z T0.8 A8 mb4.8
SZGRF: OT 09:06:42.3 3.3S 33.0E dep 33km
LAKE VICTORIA REGION

1998-06-07
GRA1 14:59:33.8 e PKP Z
GRA1 14:59:38.9 e Z
NEIC: OT 14:40:52.7 18.8S 177.9W dep600km mb4.1
FIJI ISLANDS REGION

1998-06-07
GRA1 16:24:49.9 e PKP Z
GRA1 16:29:12.4 e Z

1998-06-07 D 88.5 AZ292
GRA1 23:32:52.7 i P c Z T1.9 A634 mb6.5
GRA1 23:33:39.6 e sP Z
GRA1 23:36:20.6 e PP Z
GRA1 23:43:12.1 e pP E
GRA1 00:09:24.0 e L Z T22.6 A8228 MS6.1
SZGRF: OT 23:20:03.8 15.3N 94.9W dep129km
NEAR COAST OF OAXACA, MEXICO

1998-06-07
GRA1 23:51:06.9 e PKP Z

1998-06-08 D 77.5
GRA1 13:06:50.8 e P Z T0.7 A13

1998-06-08
GRB5 20:40:45.2 e PKP Z
NEIC: OT 20:21:58.5 17.2S 178.9W dep500km mb4.2
FIJI ISLANDS REGION

1998-06-09 D 87.6 AZ291
GRA1 02:23:14.1 e P Z T2.5 A171 mb5.9
GRA1 02:32:45.4 e S E
GRA1 02:58:47.7 e L Z T23.4 A120 MS4.2
SZGRF: OT 02:10:29.8 15.6N 93.7W dep 33km
NEAR COAST OF CHIAPAS, MEXICO

1998-06-09

GRA1 12:24:43.1 e PKP Z
NEIC: OT 12:04:54.9 19.0S 173.2W dep 33km mb5.1
TONGA ISLANDS

1998-06-10

GRA1 00:16:05.6 e PKP Z
GRA1 00:16:16.1 e Z

1998-06-10 D148.6

GRA1 00:41:54.0 e PKPdf Z
GRA1 00:41:57.6 e PKPbc Z
GRA1 00:42:01.9 e PKiKP Z
GRA1 00:44:22.2 e Z
SZGRF: OT 00:22:07.0 23.1S 169.7E dep 33km
CAROLINE ISLANDS REGION

1998-06-10

GRA1 00:44:22.0 e PKP Z

1998-06-10 D 3.5 389km

GRA3 02:59:20.8 e Pn Z
GRA1 02:59:22.1 e Pn Z M14.1
GRA1 03:00:20.1 e Sg N
SZGRF: OT 02:58:26.4 51.5N 16.0E dep 1km
POLAND

1998-06-10 D 87.9

GRA1 03:30:52.0 e P Z
GRA1 04:13:36.0 e L Z T18.5 A594 MS5.0
NEIC: OT 03:18:03.5 19.0N 121.3E dep 33km mb4.9
PHILIPPINE ISLANDS REGION

1998-06-10 D 43.4 AZ104

GRA1 08:37:55.7 e P Z T1.0 A28 mb5.0
GRA1 08:57:09.7 e L Z T24.6 A172 MS3.9
SZGRF: OT 08:29:56.8 26.5N 59.2E dep 33km
SOUTHERN IRAN

1998-06-10 D 7.6

GRB1 19:59:42.6 e Pg Z
GRA1 20:00:46.9 e Sn N
GRA1 20:01:38.9 e Sg E
NEIC: OT 19:57:50.9 42.7N 13.1E dep 10km
CENTRAL ITALY

1998-06-10

GRA1 22:59:21.7 e PKP Z

NEIC: OT 22:40:17.4 18.7S 169.1E dep272km mb4.9
VANUATU ISLANDS

1998-06-10 D 2.9 325km
GRC3 23:33:29.7 e Pn Z
GRA1 23:33:42.5 e Pn Z M13.9
GRA1 23:34:43.7 e Sg E
SZGRF: OT 23:32:43.1 46.2N 13.2E dep 10km
AUSTRIA

1998-06-11 AZ 27
GRA1 02:05:12.6 e P Z

1998-06-11
GRA1 15:27:49.0 e P Z

1998-06-11 D 2.6 285km
GRC4 21:50:34.9 e Pg Z
GRA1 21:50:47.3 e Pg Z
GRA1 21:51:27.7 e Sg N
SZGRF: OT 21:49:48.0 46.6N 11.0E dep 10km
NORTHERN ITALY

1998-06-12 D 78.8 AZ 26
GRA1 00:41:28.8 i P c Z mb5.3
ALIGN 00:41:28.8 T1.4 A49
GRA1 00:41:34.4 e pP Z
GRA1 00:41:43.8 e Z
GRA1 00:41:46.8 e (pX) Z
GRA1 01:19:31.0 e L Z T19.2 A233 MS4.5
SZGRF: OT 00:29:29.0 46.4N 153.2E dep 20km
KURIL ISLANDS

1998-06-12 D 23.4 AZ 44
GRA1 02:31:38.0 e (P) Z

1998-06-12 AZ145
GRA1 09:24:05.0 e (P) Z

1998-06-12 D 69.2
GRA1 11:29:48.8 e (P) Z
GRA1 11:30:11.1 e pP Z
NEIC: OT 11:18:56.0 60.8N 151.6W dep 76km mb4.1
KENAI PENINSULA, ALASKA

1998-06-12 D 92.3 AZ201
GRA1 14:00:32.1 e P Z mb5.5
ALIGN 14:00:32.1 T1.3 A30
GRA1 14:00:38.7 e pP Z
GRA1 14:00:43.6 e sP Z
GRA1 14:38:57.6 e L Z T19.2 A237 MS4.7
SZGRF: OT 13:47:22.1 39.6S 16.9W dep 25km
SOUTH ATLANTIC RIDGE

1998-06-12 D 4.5 501km
GRA1 15:22:46.9 e Pg Z
GRA1 15:23:18.1 e Sn N
SZGRF: OT 15:21:20.8 45.6N 13.9E dep 10km
NORTHERN ITALY

1998-06-12 D 70.2
GRA1 19:08:16.7 e P Z mb4.6
BEAM 19:08:16.7 T1.2 A6
GRA1 19:08:35.3 e (pP) Z
NEIC: OT 18:57:16.0 60.0N 152.4W dep 95km mb4.8
SOUTHERN ALASKA

1998-06-12 D150.9
GRA1 19:46:17.0 e PKPdf Z
GRA1 19:46:23.0 e PKPbc Z
GRA1 19:46:33.0 e PKPab Z
GRA1 19:48:44.8 e pPKPbc Z
GRA1 19:48:54.9 e pPKPab Z

1998-06-12 D153.5
GRA1 21:09:54.1 e PKPdf d Z
GRA1 21:10:03.2 i PKPbc d Z
GRA1 21:10:19.6 e PKPab Z
GRA1 21:12:07.9 e (pPKPab)Z
NEIC: OT 20:51:02.0 24.7S 179.8E dep502km mb5.1
SOUTH OF FIJI ISLANDS

1998-06-12 D 18.8 AZ141
GRA1 22:11:27.4 e P Z mb3.5
BEAM 22:11:27.4 T0.7 A2
SZGRF: OT 22:07:10.8
CRETE

1998-06-12 D123.2
GRA1 22:11:41.4 i PKPdf d Z
GRA1 22:12:16.8 e pPKPdf Z
GRA1 22:21:33.6 e PKKPbc Z
GRA1 22:22:07.9 e PKKPab Z

GRA1 22:25:13.3 e (PKKS) Z
GRA1 23:04:20.8 e L Z T21.4 A418 MS5.1
NEIC: OT 21:53:00.4 5.8S 147.9E dep140km mb5.6
EASTERN NEW GUINEA REG., P.N.G.

1998-06-13 D 78.6 AZ 27
GRA1 02:02:20.2 i P c Z mb4.8
ALIGN 02:02:20.2 T1.0 A9
GRA1 02:02:39.4 e (pP) Z
SZGRF: OT 01:50:28.2 45.9N 150.9E dep 71km
KURIL ISLANDS

1998-06-13 D 35.7 AZ108
GRA1 02:31:09.4 e P c Z mb4.4
ALIGN 02:31:09.4 T1.1 A7
SZGRF: OT 02:24:14.5 30.4N 51.2E dep 33km
IRAN

1998-06-13 D 3.6 401km
GRA1 08:28:16.3 e Pn Z M14.2
GRA1 08:29:13.9 e Sg E
SZGRF: OT 08:27:19.2 51.5N 16.1E dep 1km
POLAND

1998-06-13 D 19.9 AZ136
GRA1 10:44:58.9 e P Z mb3.7
BEAM 10:44:58.9 T0.7 A4
SZGRF: OT 10:40:29.6
EASTERN MEDITERRANEAN SEA

1998-06-13 D 3.1 342km
GRC1 18:41:14.7 e Pg Z M12.8
SZGRF: OT 18:40:17.1 46.3N 13.6E dep 10km
AUSTRIA

1998-06-13 D 76.9
GRA1 21:00:07.8 i P c Z mb4.6
ALIGN 21:00:07.8 T0.9 A5

1998-06-14
GRA1 00:45:59.1 e PKP Z
NEIC: OT 00:26:55.0 6.9S 155.5E dep 33km mb4.3
SOLOMON ISLANDS

1998-06-14 D 15.0 AZ178
GRA1 04:23:21.8 e P Z

1998-06-14

GRA1 09:15:57.5 e (PKPab) Z
 NEIC: OT 09:01:54.0 12.5N 141.5E dep 33km mb5.0
 SOUTH OF MARIANA ISLANDS

 1998-06-14 D 70.5 AZ 8
 GRA1 11:06:16.9 e P Z mb4.5
 BEAM 11:06:16.9 T1.1 A4
 GRA1 11:06:20.5 e pP Z
 SZGRF: OT 10:55:04.6 59.5N 176.1E dep 13km
 BERING SEA

 1998-06-14 D 84.4
 GRA1 13:29:35.9 i P c Z mb5.7
 ALIGN 13:29:35.9 T0.9 A42
 GRA1 13:32:43.0 e PP Z
 GRA1 14:11:10.2 e L Z T20.5 A2228 MS5.5

 1998-06-14 D 4.1 452km
 GRA1 22:24:04.4 e Sg N M14.0
 SZGRF: OT 22:21:55.4 45.8N 12.8E dep 10km
 NORTHERN ITALY

 1998-06-15 D 36.5 AZ 95
 GRA1 00:25:16.3 i P d Z mb4.3
 ALIGN 00:25:16.3 T1.4 A10
 GRA1 00:25:26.4 e pP Z
 GRA1 00:44:18.6 e L Z T18.2 A58 MS3.4
 SZGRF: OT 00:18:15.1 35.3N 57.7E dep 38km
 IRAN

 1998-06-15 D 34.6
 GRA1 01:21:23.5 e P c Z mb4.9
 ALIGN 01:21:23.5 T1.6 A26
 GRA1 01:21:40.5 e pP Z
 GRA1 01:21:45.4 e (sP) Z
 GRA1 01:23:59.3 e PcP Z
 GRA1 01:40:13.1 e L Z T19.8 A580 MS4.3

 1998-06-15 D 46.8
 GRA1 07:40:45.1 i P d Z mb5.2
 ALIGN 07:40:45.1 T1.3 A24
 GRA1 08:01:53.9 e L Z T15.4 A1295 MS5.0

 1998-06-15 D134.0
 GRA1 19:00:19.5 e PKPdf Z
 GRA1 19:00:23.2 e PKPab Z

GRA1 19:02:18.6 e (PP) Z
NEIC: OT 18:41:20.8 18.1S 178.0W dep400km mb4.3
FIJI ISLANDS REGION

1998-06-15 D 75.0 AZ 22
GRA1 19:31:21.2 e P Z mb4.9
ALIGN 19:31:21.2 T0.9 A10
SZGRF: OT 19:19:45.0 51.4N 156.2E dep 33km
KAMCHATKA

1998-06-16 D159.6
GRA1 09:55:15.5 e PKPdf Z
GRA1 09:59:43.0 e PP Z
GRA1 11:17:42.8 e L Z T21.9 A1259 MS5.7
NEIC: OT 09:35:12.3 52.9S 160.0E dep 10km mb4.9
MACQUARIE ISLANDS REGION

1998-06-16 D 17.4 AZ130
GRA1 18:09:43.3 e P Z
GRA1 18:09:58.2 e P1 Z
GRA1 18:13:03.8 e (S) Z
GRA1 18:14:43.7 e L Z T18.7 A562 MS3.8
NEIC: OT 18:06:35.5 39.9N 23.9E dep 33km mb4.5
AEGEAN SEA

1998-06-16 D 85.0 AZ 40
GRA1 20:22:18.0 i P c Z mb5.0
ALIGN 20:22:18.0 T1.1 A13
GRA1 20:22:52.2 i pP Z
SZGRF: OT 20:09:59.1 34.2N 140.2E dep135km
NEAR EAST COAST OF HONSHU, JAPAN

1998-06-16
GRA1 23:06:21.4 i PKPdf d Z
NEIC: OT 22:47:42.6 17.4S 178.6W dep600km mb4.8
FIJI ISLANDS REGION

1998-06-17 D 42.9 AZ132
GRA1 02:59:58.0 e P Z

1998-06-17 D 10.7
GRA1 12:44:43.2 e P c Z
GRA1 12:44:51.2 e (pP) Z
GRA1 12:48:43.4 e L Z T28.5 A430 MS3.2

1998-06-17
GRA1 13:51:08.1 e (PKPdf) Z

NEIC: OT 07:32:17.6 39.5N 76.9E dep 33km mb4.9
SOUTHERN XINJIANG, CHINA

1998-06-17 D 3.8 422km
GRA1 18:12:13.1 e Sg E M13.3
SZGRF: OT 18:10:11.1 46.3N 13.8E dep 10km
AUSTRIA

1998-06-17 D113.1 AZ 78
GRA1 19:07:23.0 e PKPdf Z
GRA1 19:08:16.8 e PP Z
GRA1 19:54:23.2 e L Z T20.9 A146 MS4.6

1998-06-18 D 52.9 AZ 68
GRA1 01:21:24.3 e P Z mb4.2
BEAM 01:21:24.3 T1.2 A4
GRA1 01:21:29.3 e (pP) Z
SZGRF: OT 01:12:10.5 40.8N 88.6E dep 18km
SOUTHERN SINKIANG PROV., CHINA

1998-06-18 D 64.8
GRA1 04:28:35.4 i P d Z mb5.8
ALIGN 04:28:35.4 T1.4 A93
GRA1 04:55:41.3 e L Z T21.1 A23548 MS6.4

1998-06-18 D 22.3 AZ221
GRA1 19:50:16.9 e P Z mb4.3
ALIGN 19:50:16.9 T1.6 A21
GRA1 19:50:26.2 e (pP) Z
GRA1 20:02:37.2 e L Z T21.7 A238 MS3.6
SZGRF: OT 19:45:23.1
MOROCCO

1998-06-19 D 15.0 AZ209
GRA1 00:57:43.5 e P Z
BEAM 00:57:43.5 T1.1 A4
NEIC: OT 00:53:56.1 36.2N .8E dep 5km
NORTHERN ALGERIA

1998-06-19 D 79.1 AZ 34
GRA1 02:32:10.9 i P c Z mb4.5
ALIGN 02:32:10.9 T0.8 A4
GRA1 03:10:23.3 e L Z T20.1 A108 MS4.2
SZGRF: OT 02:20:11.1 42.3N 142.9E dep 33km
HOKKAIDO, JAPAN REGION

1998-06-19 D 44.5 AZ 83

GRA1 05:26:03.4 e P Z mb4.5
BEAM 05:26:03.4 T0.9 A6
GRA1 05:47:57.1 e L Z T18.3 A82 MS3.7
SZGRF: OT 05:17:55.5 36.8N 71.4E dep 33km
AFGHANISTAN-USSR BORDER REGION

1998-06-19 D 73.2
GRA1 09:40:45.6 i P c Z mb5.2
BEAM 09:40:45.6 T1.3 A24
GRA1 09:40:59.8 e pP Z
GRA1 10:16:37.2 e L Z T20.1 A83 MS4.0

1998-06-19 D150.8
GRA1 23:28:37.4 e PKPdf Z
GRA1 23:28:43.8 i PKPbc c Z
GRA1 23:28:51.6 e PKPab Z
GRA1 23:31:03.5 e pPKPbc Z
GRA1 23:32:48.2 e PP Z
NEIC: OT 23:09:57.4 21.8S 179.5W dep600km mb4.7
FIJI ISLANDS REGION

1998-06-20 D 10.6
GRC1 02:28:21.6 e P Z
ALIGN 02:28:31.1 e P Z
GRA1 02:28:31.8 e P Z T1.5 A134
GRA1 02:32:56.1 e L Z T21.8 A2750 MS4.1

1998-06-20
GRA1 04:27:40.2 e PKPdf Z

1998-06-20
GRA1 04:43:38.5 e PKPdf Z
GRA1 04:43:49.1 e (pPKPdf) Z

1998-06-20
GRA1 12:09:37.7 e PKPdf Z

1998-06-20 D161.0
GRA1 16:57:30.1 e PKPdf Z
GRA1 16:58:14.5 e PKPab Z
GRA1 16:58:33.4 e pPKPab Z
GRA1 18:14:00.6 e L Z T21.7 A187 MS4.9
NEIC: OT 16:37:34.7 32.2S 178.9W dep 33km mb5.0
SOUTH OF KERMADEC ISLANDS


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1998-06-20      D159.0
  GRA1 20:44:37.5 e PKPdf Z
  GRA1 20:44:55.3 e pPKPdf Z
  GRA1 20:45:15.9 e PKPab Z
  GRA1 20:45:27.2 e pPKPab Z
  GRA1 20:48:53.3 e PP Z
  GRA1 21:57:35.5 e L Z T21.7 A1612 MS5.8
NEIC: OT 20:24:44.8 30.2S 178.0W dep 57km mb5.7
  KERMADEC ISLANDS, NEW ZEALAND
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1998-06-20      D 82.6 AZ295
  GRA1 22:20:10.4 e P Z mb4.5
  BEAM 22:20:10.4 T1.2 A4
  GRA1 22:20:53.9 e (pP) Z
SZGRF: OT 22:08:08.1
  GULF OF MEXICO
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1998-06-21
  GRA1 00:54:49.1 e PKPdf Z
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1998-06-21      D 57.0 AZ120
  GRA1 03:11:32.3 e P Z mb4.2
  BEAM 03:11:32.3 T0.8 A2
SZGRF: OT 03:01:49.1
  CARLSBERG RIDGE
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1998-06-21      D 84.9 AZ284
  GRA1 08:16:29.2 e P Z mb4.6
  BEAM 08:16:29.2 T0.9 A4
  GRA1 08:16:48.4 e pP Z
  GRA1 08:16:56.5 e sP Z
  GRA1 08:50:16.0 e L Z T21.9 A230 MS4.5
SZGRF: OT 08:04:02.7 13.0N 86.1W dep 70km
  NICARAGUA
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1998-06-21      D 11.3
  GRA1 09:03:31.3 i P d Z
  GRA1 09:07:55.1 e L Z T24.5 A637 MS3.5
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1998-06-21      D 11.3
  GRA1 13:01:47.1 e P Z
  GRA1 13:06:11.2 e L Z T21.7 A571 MS3.5
NEIC: OT 12:59:04.7 38.5N 12.6E dep 10km mb4.6
  SICILY
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1998-06-21      D 84.9 AZ 91
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GRA1 15:55:37.3 e P Z mb4.7
 BEAM 15:55:37.3 T1.0 A5
 GRA1 15:55:46.4 e pP Z
 SZGRF: OT 15:43:05.3 3.3N 97.2E dep 31km
 NORTHERN SUMATERA

 1998-06-21 D 45.9 AZ 94
 GRA1 16:06:11.4 e P Z mb4.6
 BEAM 16:06:11.4 T1.3 A9
 GRA1 16:06:19.7 e pP Z
 GRA1 16:29:26.6 e L Z T18.4 A58 MS3.6
 SZGRF: OT 15:57:52.0
 PAKISTAN

 1998-06-22 D 88.6 AZ 48
 GRA1 00:27:50.4 e P Z
 NEIC: OT 00:15:13.2 22.9N 121.3E dep 33km mb4.4
 TAIWAN REGION

 1998-06-22
 GRA1 01:02:17.5 e PKPdf Z

 1998-06-22 D 86.7
 GRA1 07:15:43.2 e P Z mb4.6
 BEAM 07:15:43.2 T1.3 A6

 1998-06-22 D 85.6
 GRA1 07:19:40.0 e P Z mb5.6
 ALIGN 07:19:40.0 T0.9 A46
 GRA1 07:19:55.4 e pP Z
 GRA1 08:01:54.8 e L Z T18.1 A1716 MS5.5
 NEIC: OT 07:07:07.5 28.0N 129.4E dep 56km mb5.2
 RYUKYU ISLANDS

 1998-06-22 D 4.6 513km
 GRA1 10:31:11.4 e Pg Z M13.7
 GRA1 10:32:29.3 e Sg N
 NEIC: OT 10:29:23.6 43.7N 10.2E dep 5km
 CENTRAL ITALY

 1998-06-22 D105.6
 GRA1 20:40:35.8 e Pdiff Z
 GRA1 20:44:58.8 e PP Z
 GRA1 21:32:21.6 e L Z T19.2 A2932 MS5.8
 NEIC: OT 21:47:44.8 12.3N 144.5E dep 33km mb4.3
 SOUTH OF MARIANA ISLANDS

1998-06-23 D 80.6
GRA1 01:48:42.5 i P d Z mb5.4
ALIGN 01:48:42.5 T1.1 A44
GRA1 01:48:52.4 e pP Z
GRA1 02:22:57.3 e L Z T20.6 A2132 MS5.5

1998-06-23
GRA1 06:07:20.3 e PKPdf Z
GRA1 06:07:32.6 e (pPKPdf) Z
NEIC: OT 05:47:42.7 15.1S 173.7W dep 33km mb4.4
TONGA ISLANDS

1998-06-23 D 50.8 AZ261
GRA1 11:07:42.6 e P Z mb5.1
ALIGN 11:07:42.6 T1.2 A32
GRA1 11:14:56.5 e S Z
GRA1 11:23:47.8 e L Z T21.4 A1663 MS5.0
SZGRF: OT 10:58:55.4 23.7N 45.3W dep 33km
NORTH ATLANTIC RIDGE

1998-06-23 D 78.0 AZ 8
GRA1 15:32:52.7 e P Z mb5.2
BEAM 15:32:52.7 T2.0 A37
GRA1 15:33:28.5 e pP Z
SZGRF: OT 15:21:12.4 52.1N 178.1E dep144km
RAT ISLANDS, ALEUTIAN ISLANDS

1998-06-23 D 84.6 AZ 40
GRA1 16:25:07.2 e P Z mb4.5
BEAM 16:25:07.2 T1.0 A3
SZGRF: OT 16:12:38.2 34.8N 140.5E dep 33km
NEAR EAST COAST OF HONSHU, JAPAN

1998-06-23 D 15.1 AZ315
GRA1 20:21:06.2 e P Z
GRA1 20:21:23.4 e (pP) Z

1998-06-23 D 89.1 AZ 49
GRA1 22:48:25.9 i P d Z mb4.9
ALIGN 22:48:25.9 T0.8 A6
GRA1 22:48:34.5 e (pP) Z
SZGRF: OT 22:35:34.2 26.1N 134.1E dep 30km
EAST OF RYUKYU ISLANDS

1998-06-23
GRA1 23:36:55.8 e PKPab Z
GRA1 23:37:03.1 e pPKPab Z

NEIC: OT 23:17:48.1 18.8S 169.3E dep250km mb5.0
VANUATU ISLANDS

1998-06-23

GRA1 23:38:02.4 e PKPdf Z
GRA1 23:38:20.4 e pPKPdf Z

1998-06-23

GRA1 23:40:10.7 e PKPdf Z

1998-06-23 D 79.0 AZ 12

GRA1 23:49:02.9 i P c Z mb5.1
ALIGN 23:49:02.9 T1.0 A18
GRA1 23:49:11.0 e (pP) Z
NEIC: OT 23:37:26.3 53.0N 160.1E dep 33km mb4.8
OFF EAST COAST OF KAMCHATKA

1998-06-24

GRA1 03:21:30.5 e PKPdf Z

1998-06-24 D 89.6 AZ200

GRA1 10:57:32.9 i P d Z T1.6 A251 mb6.2
GRA1 11:00:50.3 e PP Z
GRA1 11:01:03.0 e pPP Z
GRA1 11:36:19.0 e L Z T18.9 A3556 MS5.8

1998-06-24 D 83.5 AZ 39

GRA1 15:04:49.4 i P c Z mb5.4
BEAM 15:04:49.4 T1.1 A26
SZGRF: OT 14:52:26.2 35.9N 140.1E dep 33km
NEAR EAST COAST OF HONSHU, JAPAN

1998-06-24

GRA1 18:07:45.5 e PKPdf Z

1998-06-24

GRA1 18:35:05.7 e PKPab Z
NEIC: OT 18:14:44.4 30.6S 178.1W dep145km mb5.0
KERMADEC ISLANDS, NEW ZEALAND

1998-06-24 D 83.4 AZ 41

GRA1 21:43:20.5 e P c Z mb5.0

ALIGN 21:43:20.5 T1.1 A12
 GRA1 21:43:24.4 e (pP) Z
 GRA1 22:28:07.5 e L Z T21.5 A62 MS3.9
 SZGRF: OT 21:30:54.7 35.2N 138.4E dep 13km
 HONSHU, JAPAN

 1998-06-25 D 7.7
 GRA1 00:34:36.9 e Pn Z
 GRA1 00:35:46.0 e Sn Z
 GRA1 00:36:18.9 e (Sg) Z M14.7
 GRA1 00:37:52.8 e L Z T14.9 A653 MS3.4

 1998-06-25 D 7.4
 GRA1 00:45:55.7 e Pn Z
 GRA1 00:46:33.5 e Sn Z
 GRA1 00:47:23.0 e (Sg) Z M14.4
 GRA1 00:49:42.8 e L Z T15.1 A284 MS3.0

 1998-06-25 D 28.6
 GRA1 02:21:47.2 i P d Z mb5.0
 ALIGN 02:21:47.2 T1.5 A34
 GRA1 02:21:52.8 e (pP) Z
 GRA1 02:31:26.2 e L Z T21.5 A1083 MS4.4

 1998-06-25 D 38.0 AZ295
 GRA1 03:23:41.0 e P Z mb4.2
 BEAM 03:23:41.0 T0.8 A4
 SZGRF: OT 03:16:26.9
 NORTH ATLANTIC OCEAN

 1998-06-25 D 58.4
 GRA1 05:51:10.1 e P Z mb4.8
 BEAM 05:51:10.1 T1.1 A12
 GRA1 05:59:19.3 e (S) Z
 GRA1 06:10:60.0 e L Z T20.3 A165 MS4.1
 NEIC: OT 05:41:09.4 13.6N 45.6W dep 10km mb4.9
 NORTHERN MID-ATLANTIC RIDGE

 1998-06-25 D 47.6
 GRA1 06:47:54.2 i P c Z mb5.5
 ALIGN 06:47:54.2 T1.4 A61
 GRA1 07:11:13.9 e L Z T18.2 A1193 MS4.9
 NEIC: OT 06:39:20.5 41.6N 80.2E dep 33km mb5.2
 SOUTHERN XINJIANG, CHINA

 1998-06-25 D 65.9 AZ268
 GRA1 21:14:26.6 i P d Z mb5.1

ALIGN 21:14:26.6 T1.1 A15
 GRA1 21:14:33.4 e pP Z
 GRA1 21:37:56.7 e L Z T19.9 A1384 MS5.2
 SZGRF: OT 21:03:42.9 17.1N 61.4W dep 24km
 LEEWARD ISLANDS

1998-06-25

GRA1 21:43:05.8 e PKPdf Z

1998-06-25 D 75.4

GRA1 23:03:45.9 e P Z mb4.2
 BEAM 23:03:45.9 T1.0 A2
 GRA1 23:37:56.7 e L Z T18.6 A482 MS4.8

1998-06-26 D 48.2 AZ 90

GRA1 01:32:27.7 e P Z mb4.7
 ALIGN 01:32:27.7 T1.4 A20
 GRA1 01:39:25.2 e S Z
 GRA1 01:56:25.9 e L Z T20.6 A376 MS4.4
 NEIC: OT 01:23:51.9 29.8N 69.4E dep 33km mb4.9
 PAKISTAN

1998-06-26 D 3.7 408km

GRA1 03:04:14.6 e Pn Z M14.3
 GRA1 03:05:13.5 e Sg E
 SZGRF: OT 03:03:16.6 51.5N 16.2E dep 1km
 POLAND

1998-06-26 D145.4

GRA1 12:05:18.2 e PKPdf Z
 GRA1 12:05:21.7 e Z
 GRA1 12:05:31.1 e pPKPdf Z
 GRA1 12:05:36.5 e pX Z
 GRA1 13:08:46.4 e L Z T21.5 A318 MS5.1
 NEIC: OT 11:45:42.3 15.2S 173.7W dep 39km mb5.0
 TONGA ISLANDS

1998-06-26 D 78.6 AZ 11

GRA1 23:54:48.9 e P Z mb4.1
 BEAM 23:54:48.9 T0.7 A1

1998-06-26

GRA1 19:57:22.0 e PKP Z
 NEIC: OT 19:37:08.9 29.2S 177.5W dep200km mb4.6
 KERMADEC ISLANDS, NEW ZEALAND

1998-06-27 D 40.9 AZ 85
GRA1 07:52:44.3 e P Z mb4.2
BEAM 07:52:44.3 T1.2 A6
GRA1 07:53:01.0 e pP Z
NEIC: OT 07:44:45.8 37.0N 69.8E dep100km mb4.4
AFGHANISTAN-TAJIKISTAN BORD REG.

1998-06-27 D 68.3 AZ 82
GRA1 09:16:02.8 i P c Z mb5.0
ALIGN 09:16:02.8 T1.0 A11
GRA1 09:16:08.1 e (pP) Z
NEIC: OT 09:06:01.4 27.7N 85.1E dep 33km mb4.9
NEPAL

1998-06-27
GRA1 09:22:31.1 e PKPdf Z

1998-06-27 D 21.6
GRA1 14:00:39.7 i P c Z T1.1 A290 mb5.6
GRA1 14:04:51.9 e S Z
GRA1 14:08:22.2 e (ScP) Z
GRA1 14:09:35.8 e L Z T21.8 A51657 MS5.9

1998-06-27
GRA1 14:20:35.2 e P Z

1998-06-27
GRA1 14:34:45.7 e (P) Z

1998-06-27
GRA1 15:33:41.5 e PKPdf Z

1998-06-27 D151.0
GRA1 17:41:18.6 i PKPdf d Z
GRA1 17:41:20.8 i PKPbc d Z
GRA1 17:41:32.2 e PKPab Z

1998-06-27
GRA1 19:05:56.1 e PKPdf Z
GRA1 19:05:59.5 e Z
GRA1 19:06:01.1 e Z
GRA1 19:06:07.9 e (pPKPdf) Z
GRA1 19:06:15.4 e Z

GRA1 19:06:26.0 e Z
NEIC: OT 18:46:22.5 15.6S 178.9E dep 33km mb4.7
FIJI ISLANDS

1998-06-27 D145.2
GRA1 20:53:08.7 e (PKPdf) Z
GRA1 20:53:10.7 i PKPbc d Z
GRA1 20:53:15.1 e PKPab Z

1998-06-27
GRA1 20:55:05.2 e P Z

1998-06-27
GRA1 21:15:19.0 i PKPab d Z
GRA1 21:19:19.0 e PP Z

1998-06-27 D148.0
GRA1 22:45:28.9 e (PKPdf) Z
GRA1 22:45:29.9 e PKPbc c Z
GRA1 22:45:33.4 e PKPab Z

1998-06-28 D 22.4 AZ106
GRA1 04:04:15.2 e P Z mb4.2
BEAM 04:04:15.2 T1.5 A15
GRA1 04:08:12.3 e (S) Z
GRA1 04:13:06.2 e L Z T21.4 A918 MS4.2
SZGRF: OT 03:59:19.9 39.5N 39.4E dep 33km
TURKEY

1998-06-28 D 3.5 395km
GRA1 13:20:32.6 e Pn Z M13.8
GRA1 13:21:30.7 e Sg E
SZGRF: OT 13:19:37.6 51.4N 16.1E dep 1km
POLAND

1998-06-28 D 19.4 AZ106
GRA1 15:25:24.5 e P Z
SZGRF: OT 15:21:01.8 41.3N 36.2E dep 33km
TURKEY

1998-06-28 D158.0
GRA1 16:52:48.9 i PKPdf d Z
GRA1 16:53:20.7 e PKPab Z

1998-06-28

GRA1 21:30:21.5 e PKPdf Z
 GRA1 21:30:29.5 e pPKPdf Z
 NEIC: OT 21:11:31.6 4.6S 152.9E dep100km mb4.5
 NEW BRITAIN REGION, P.N.G.

 1998-06-28

GRA1 23:08:30.4 e PKPdf Z

 1998-06-29 D 3.6 396km

GRA1 04:40:40.5 e Pn Z M13.9

GRA1 04:41:38.1 e Sg E

SZGRF: OT 04:39:44.2 51.5N 16.0E dep 1km

POLAND

 1998-06-29 D 25.7 AZ281

GRA1 11:47:24.6 i P d Z mb4.6

ALIGN 11:47:24.6 T1.4 A23

GRA1 11:56:16.3 e L Z T21.9 A458 MS4.0

NEIC: OT 11:41:53.6 48.7N 28.1W dep 10km mb4.5

NORTHERN MID-ATLANTIC RIDGE

 1998-06-29 D 3.6 395km

GRA1 17:34:54.6 e Pg Z M13.3

GRA1 17:35:42.9 e Sg E

SZGRF: OT 17:33:51.4 46.4N 13.4E dep 10km

AUSTRIA

 1998-06-29 D 43.4 AZ 85

GRA1 20:43:57.8 i P d Z mb4.7

ALIGN 20:43:57.8 T1.0 A18

GRA1 20:44:08.4 e pP Z

GRA1 21:05:31.4 e L Z T18.9 A1069 MS4.8

NEIC: OT 20:35:54.6 37.1N 70.0E dep 33km mb4.8

AFGHANISTAN-TAJIKISTAN BORD REG.

 1998-06-29 D 91.0 AZ 62

GRA1 23:25:55.3 e P Z mb4.6

BEAM 23:25:55.3 T0.8 A3

NEIC: OT 23:12:16.4 7.9N 126.6E dep 66km mb4.9

MINDANAO, PHILIPPINE ISLANDS

 1998-06-29 D155.8

GRA1 23:57:20.1 e PKPdf Z

GRA1 01:19:54.5 e L Z T21.9 A1834 MS5.9

 1998-06-30 D 42.7 AZ 84

GRA1 03:45:29.7 i P c Z T1.6 A102 mb5.3

GRA1 03:46:14.1 e pP Z
 GRA1 03:46:31.6 e sP Z
 GRA1 03:47:15.8 e PcP Z
 GRA1 03:50:40.8 e ScP Z
 GRA1 03:56:17.7 e L Z T20.0 A95 MS3.7
 SZGRF: OT 03:37:53.3 37.6N 69.3E dep198km
 AFGHANISTAN-USSR BORDER REGION

1998-06-30 D 69.6 AZ 79
 GRA1 08:11:20.7 e P Z mb4.9
 ALIGN 08:11:20.7 T1.1 A12
 GRA1 08:11:53.9 e (pP) Z
 SZGRF: OT 08:00:27.1 22.4N 95.5E dep136km
 BURMA

1998-06-30 D 75.9 AZ356
 GRA1 08:27:00.9 i P c Z mb5.0
 ALIGN 08:27:00.9 T1.2 A16
 GRA1 08:27:18.4 e pP Z
 GRA1 08:27:28.9 e sP Z
 SZGRF: OT 08:15:23.7 54.6N 161.5W dep 69km
 ALASKA PENINSULA

1998-06-30 D100.0
 GRA1 09:12:19.8 e P c Z

1998-06-30 D 3.7 407km
 GRA1 11:02:32.1 e Pn Z M14.1
 GRA1 11:03:30.8 e Sg E
 SZGRF: OT 11:01:33.8 51.5N 16.2E dep 1km
 POLAND

1998-06-30 D 53.2 AZ136
 GRA1 15:52:27.2 e P Z mb4.2
 BEAM 15:52:27.2 T0.7 A2
 GRA1 15:52:30.6 e pP Z
 GRA1 16:09:02.6 e L Z T21.0 A68 MS3.7
 NEIC: OT 15:44:26.5 13.4N 39.7E dep 10km
 ETHIOPIA

1998-06-30 D 81.8
 GRA1 17:35:07.5 e P Z mb4.9
 BEAM 17:35:07.5 T1.6 A17
 GRA1 18:13:11.9 e L Z T20.9 A257 MS4.6

1998-06-30 D152.4
 GRA1 17:45:30.0 e PKPdf Z

GRA1 17:45:37.6 i PKPbc d Z
GRA1 17:45:48.1 e PKPab Z
GRA1 18:43:22.4 e L Z T20.2 A69 MS4.5
NEIC: OT 17:26:07.6 23.0S 177.0W dep250km mb4.7
SOUTH OF FIJI ISLANDS

1998-06-30 D 67.9 AZ278
GRA1 20:30:11.8 e P Z mb4.8
BEAM 20:30:11.8 T1.2 A7
GRA1 20:30:23.1 e pP Z
GRA1 20:30:27.8 e sP Z
GRA1 20:54:19.6 e L Z T21.3 A265 MS4.4
SZGRF: OT 20:19:17.9 21.9N 69.8W dep 40km
BAHAMA ISLANDS
