

MONTHLY TELESEISMIC BULLETIN of SZGRF-ERLANGEN - September 1999

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

1999-09-01

BEAM	03:07:14.5	e P		Z					
GRA1	03:07:15.1	e P		Z	T1.2	A12			mb4.8
NEIC: OT	02:54:24.6	3N	80W		dep 33km				mb4.8
SOUTH OF PANAMA									

1999-09-01

BEAM	04:18:21.4	e P		Z	T0.9	A3			mb4.3
GRA1	04:18:21.5	e (P)		Z					
NEIC: OT	04:07:53.5	10S	34E		dep 10km				mb4.4
MALAWI									

1999-09-01

BEAM	06:52:37.3	e P		Z					
GRA1	06:52:37.6	e P		Z	T1.3	A39			mb5.5
GRA1	06:52:43.2	e		Z					
GRA1	07:15:52.7	e L		Z	T18.5	A292			MS4.5
SZGRF: OT	06:42:21.7	1N	34W		dep 33km				
NORTH ATLANTIC OCEAN									

1999-09-01

BEAM	19:16:46.3	e PKP		Z					
GRA1	19:16:46.6	e PKP		Z					

1999-09-01

	D	3.7	407km						
GRA1	23:16:43.9	e Pn		Z					M13.9
GRA1	23:16:55.0	e Pg		Z					
GRA1	23:17:42.2	e Sg		N					
SZGRF: OT	23:15:46.5	52N	16E		dep 1km				
POLAND									

1999-09-01

	D	3.7	414km						
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GRA1 23:19:09.5 e Pn Z M14.1
GRA1 23:19:23.3 e Pg Z
GRA1 23:20:10.1 e Sg N
SZGRF: OT 23:18:11.6 52N 16E dep 1km
POLAND

1999-09-02 D 73.5
GRA1 01:34:21.0 i P c Z T0.9 A15 mb5.0
SZGRF: OT 01:22:53.0 54N 161E dep 33km
NEAR EAST COAST OF KAMCHATKA

1999-09-02 D 78.8
GRA1 02:45:41.5 e P Z T1.0 A39 mb5.4
GRA1 02:45:55.3 e pP Z
GRA1 03:24:39.1 e L Z T21.8 A334 MS4.6
SZGRF: OT 02:33:43.9 52N 179W dep 48km
ANDREANOF ISLANDS, ALEUTIAN IS.

1999-09-02
GRA1 17:22:18.9 e PKP Z
GRA1 17:22:22.2 e Z

1999-09-02
GRA1 20:58:15.8 e PKP Z

1999-09-02
GRA1 22:16:12.3 e (P) Z

1999-09-03
GRA1 04:39:46.4 e PKP Z

1999-09-04 D 79.3 AZ359
GRA1 05:14:28.9 e P Z T1.0 A11 mb4.8
SZGRF: OT 05:02:28.1 51N 167W dep 33km
FOX ISLANDS, ALEUTIAN ISLANDS

1999-09-05
GRA1 03:56:19.7 e PKP Z

1999-09-05
GRA1 06:18:15.1 e (P) Z

1999-09-05

GRA1 22:23:32.5 e Sg E

1999-09-06

GRA1 00:47:30.0 e PKP Z

GRA1 00:47:38.4 e Z

1999-09-06 D 65.9

GRC1 02:02:09.4 e P Z

GRA1 02:02:12.6 e P Z T1.9 A88 mb5.7

GRA1 02:02:20.8 e Z

GRA1 02:27:21.7 e L E T19.7 A986 MS5.0

SZGRF: OT 01:51:24.3 14S 13W dep 29km

SOUTH ATLANTIC RIDGE

1999-09-06 D 79.7

GRA1 11:06:11.4 e P Z T0.9 A16 mb5.0

SZGRF: OT 10:54:08.0 38N 136E dep 33km

EASTERN SEA OF JAPAN

1999-09-06

GRA1 11:36:34.4 e PKP Z

1999-09-06 D 74.8

GRA1 15:16:30.0 i P c Z T1.5 A91 mb5.6

SZGRF: OT 15:04:54.5 52N 159E dep 33km

NEAR EAST COAST OF KAMCHATKA

1999-09-06 D 56.2

GRA1 17:58:06.0 e P Z

SZGRF: OT 17:48:30.7 59N 117E dep 33km

EAST OF LAKE BAIKAL

1999-09-06

GRA1 19:09:39.2 e PKP Z

1999-09-07

GRA1 11:45:58.6 e (P) Z

1999-09-07 D 15.0

GRA1 12:00:16.7 e P Z

GRA1 12:06:03.9 e L Z T22.0 A38510 MS5.5

SZGRF: OT 11:56:57.6 38N 24E dep 33km

SOUTHERN GREECE

1999-09-07

GRA1 13:34:37.7 e PKP Z

1999-09-07 D 15.0

GRA1 20:48:27.2 e P Z

GRA1 20:54:15.8 e L Z T18.7 A600 MS3.8

SZGRF: OT 20:44:56.7 38N 24E dep 33km

SOUTHERN GREECE

1999-09-08 D 58.2

GRA1 02:39:15.9 e P Z T0.6 A4 mb4.6

SZGRF: OT 02:29:26.2 58N 121E dep 33km

EASTERN USSR

1999-09-08 D 55.4

GRA1 02:48:45.6 e (P) Z

NEIC: OT 02:38:49.7 58N 120E dep 10km mb4.9

SOUTHEASTERN SIBERIA, RUSSIA

1999-09-08 D 78.8

GRA1 03:15:12.7 e P Z T0.9 A13 mb5.0

SZGRF: OT 03:03:14.7 44N 147E dep 33km

KURIL ISLANDS

1999-09-08

GRA1 03:33:14.7 e (P) Z

1999-09-09

GRA1 01:58:04.5 e P Z

1999-09-09

GRA1 08:19:02.2 e P Z

1999-09-09

GRA1 13:27:28.8 e PKP Z

GRA1 13:27:39.8 e Z

1999-09-09 D 77.1

GRA1 14:13:59.0 i P c Z T1.2 A194 mb6.1

GRA1 14:51:29.4 e L Z T21.2 A1375 MS5.2

SZGRF: OT 14:02:10.3 48N 154E dep 33km

KURIL ISLANDS

1999-09-09 D 33.0

GRA1 23:17:53.8 e P Z T1.3 A29 mb5.0

1999-09-09

GRA1 23:39:25.8 e PKP Z
GRA1 23:39:28.8 e Z

1999-09-10 D 22.1

GRA1 01:04:38.8 e P Z T1.6 A45 mb4.6
GRA1 01:15:10.0 e L Z T18.7 A213 MS3.6
SZGRF: OT 00:59:46.4 71N 2W dep 33km
JAN MAYEN ISLAND REGION

1999-09-10 D 76.3

GRA1 08:57:15.2 e P Z T1.3 A108 mb5.8
GRA1 09:34:52.3 e L Z T20.6 A557 MS4.9
SZGRF: OT 08:45:30.9 48N 150E dep 33km
NORTHWEST OF KURIL ISLANDS

1999-09-10 D 86.8

GRA1 14:30:59.3 e P Z T1.7 A132 mb5.8
GRA1 15:13:28.2 e L Z T20.5 A516 MS4.9
SZGRF: OT 14:18:19.1 22N 123E dep 33km
TAIWAN REGION

1999-09-10

GRA1 19:58:28.4 e PKP Z

1999-09-10

GRA1 20:08:43.1 e PKP Z

1999-09-11 D 3.0 329km

GRA1 01:14:31.4 e Sg N M13.8
SZGRF: OT 01:12:56.7 50N 7E dep 10km
Lebach, N of Saarbruecken

1999-09-11 D 3.9 436km

GRA1 12:34:59.9 e Sg E M13.4
SZGRF: OT 12:32:56.3 52N 6E dep 10km
Helmond, Deurne/NL, E of Eindhoven

1999-09-11

GRA1 14:19:22.6 e PKP Z

1999-09-11 D 4.6 509km

GRA1 23:42:36.5 e Sn N

 1999-09-12 D 3.5 384km
 GRC1 02:43:00.3 e Sg E
 GRA1 02:43:25.0 e Sg E M13.3
 SZGRF: OT 02:41:10.9 46N 13E dep 10km
 NORTHERN ITALY

 1999-09-12 D 89.0
 GRA1 03:16:17.2 e P Z T1.5 A51 mb5.5
 GRA1 03:19:51.2 e PP Z
 GRA1 04:03:38.5 e L Z T18.4 A2268 MS5.6
 SZGRF: OT 03:03:26.9 30N 142E dep 33km
 SOUTH OF HONSHU, JAPAN

 1999-09-12
 GRA1 06:27:49.7 e (P) Z

 1999-09-12 D 2.2 249km
 GRA1 10:51:22.9 e Pg Z M12.7
 GRA1 10:51:51.6 e Sg E
 SZGRF: OT 10:50:40.9 49N 8E dep 10km
 Oberkirch/Upper Rhine Graben, NE of Offenburg

 1999-09-12 D 2.8 311km
 GRA1 13:26:15.0 e Pg Z M13.5
 GRA1 13:26:51.7 e Sg N
 SZGRF: OT 13:25:23.0 48N 9E dep 10km
 Lienheim, NW of Winterthur/CH, Swiss-German border reg.

 1999-09-12 D 42.7 AZ 84
 GRA1 20:26:30.4 e P Z T1.3 A17 mb4.6
 SZGRF: OT 20:18:37.6 37N 69E dep 33km
 AFGHANISTAN-USSR BORDER REGION

 1999-09-12 D 84.4 AZ 39
 GRA1 23:09:10.8 i P c Z T1.2 A78 mb5.8
 SZGRF: OT 22:56:43.1 35N 141E dep 33km
 NEAR EAST COAST OF HONSHU, JAPAN

 1999-09-13
 GRA1 02:26:27.9 e P Z

 1999-09-13
 GRA1 07:49:45.0 e PKP Z

 1999-09-13 D 15.8
 GRA1 11:59:14.8 e P Z T1.4 A770 mb5.7
 GRA1 12:05:54.1 e L Z T20.9 A13500 MS5.1
 SZGRF: OT 11:55:35.0 41N 29E dep 33km
 TURKEY

 1999-09-13 D 5.9
 GRA1 23:30:14.3 e Sg E
 SZGRF: OT 23:27:08.7 45N 6E dep 10km
 FRANCE

 1999-09-13 D 30.5
 GRA1 23:38:52.2 e P Z T1.4 A35 mb5.1
 NEIC: OT 23:32:07.7 32N 51E dep 33km mb4.8
 NORTHERN IRAN

 1999-09-14 D 67.5
 GRA1 13:05:32.2 e P Z T1.1 A26 mb5.4
 GRA1 13:05:36.6 e Z
 SZGRF: OT 12:54:40.4 32N 103E dep 33km
 SZECHWAN PROVINCE, CHINA

 1999-09-14 D 10.3
 GRA1 15:49:47.2 e Pn Z
 GRA1 15:51:36.6 e Sn Z
 SZGRF: OT 15:47:21.4 40N 15E dep 10km
 SOUTHERN ITALY

 1999-09-15 D 98.3
 GRA1 03:14:39.4 e P Z T1.5 A56 mb6.1
 GRA1 03:15:32.8 e Z
 GRA1 03:18:36.1 e PP Z
 GRA1 03:25:06.1 e SKSac E
 GRA1 03:32:46.9 e SS E
 NEIC: OT 03:01:24.2 21S 67W dep215km mb6.0
 SOUTHERN BOLIVIA

 1999-09-15
 GRC1 03:31:10.0 e PKP Z

 1999-09-15
 GRA1 17:01:55.3 e PKP Z

 1999-09-15 D 80.1 AZ 29
 GRA1 19:51:00.8 e P Z T0.6 A16 mb5.1
 GRA1 19:51:07.2 e pP Z

GRA1 19:51:15.7 e Z
SZGRF: OT 19:38:54.0 44N 150E dep 22km
KURIL ISLANDS REGION

1999-09-16

GRA1 09:54:31.2 e PKP Z

1999-09-16 D 78.2

GRA1 14:30:40.5 i P Z T0.8 A35 mb5.6
SZGRF: OT 14:18:45.9 45N 148E dep 33km
KURIL ISLANDS

1999-09-16 D 76.5

GRA1 17:46:54.4 i P Z T1.4 A109 mb5.8
GRA1 18:24:24.5 e L Z T18.8 A728 MS5.0
SZGRF: OT 17:35:09.4 48N 152E dep 33km
KURIL ISLANDS

1999-09-16

GRA1 23:33:23.1 i P Z

1999-09-17 D139.2

GRA1 15:13:44.9 e PKPdf Z
GRA1 15:16:49.0 e PP Z
NEIC: OT 14:54:48.8 14S 167E dep197km mb5.8
VANUATU ISLANDS

1999-09-18

GRA1 00:07:43.0 e PKP Z

1999-09-18

GRA1 13:05:54.7 e (P) Z

1999-09-18 D 74.8 AZ 18

GRA1 21:40:12.0 i P c Z T0.8 A85 mb5.8
GRA1 21:49:45.1 e S E
GRA1 22:17:10.7 e L Z T19.2 A3121 MS5.6
SZGRF: OT 21:28:36.6 53N 161E dep 33km
OFF EAST COAST OF KAMCHATKA

1999-09-19

GRA1 00:10:57.5 e PKP Z
GRA1 00:11:27.4 e Z

1999-09-19 D 79.1 AZ 24
GRA1 00:39:23.1 e P Z T0.9 A22 mb5.2
GRA1 01:14:42.1 e L Z T20.0 A321 MS4.7
SZGRF: OT 00:27:23.3 47N 156E dep 33km
KURIL ISLANDS REGION

1999-09-19
GRA1 03:37:01.7 e PKP Z

1999-09-19 D 23.9
GRA1 16:52:26.0 e P Z T0.8 A8 mb4.3
SZGRF: OT 16:47:15.0 42N 44E dep 33km
TURKEY-USSR BORDER REGION

1999-09-20 D 78.5 AZ 26
GRA1 09:44:45.1 e P Z T0.9 A63 mb5.7
GRA1 10:22:14.2 e L Z T18.7 A1636 MS5.4
SZGRF: OT 09:32:49.0 46N 152E dep 33km
KURIL ISLANDS

1999-09-20 D 34.2 AZ265
GRA1 10:26:49.4 e P Z T0.8 A8 mb4.7
NEIC: OT 10:18:53.3 32N 41W dep 10km mb4.8
NORTHERN MID-ATLANTIC RIDGE

1999-09-20 D 82.6
GRA1 17:59:47.6 e P Z mb7.2
BEAM 17:59:47.6 T2.6 A4097
GRA1 18:42:09.4 e L Z T20.2 A753664 MS8.1
SZGRF: OT 17:47:28.3 25N 120E dep 33km
TAIWAN REGION

1999-09-20 D 86.7 AZ 59
GRA1 18:09:47.3 e P Z T0.9 A98 mb5.9
SZGRF: OT 17:57:07.6 22N 124E dep 33km
SOUTHEAST OF TAIWAN

1999-09-20 D 84.5 AZ 59
GRA1 18:16:16.4 e P Z T2.1 A1505 mb6.9
SZGRF: OT 18:03:47.4 24N 122E dep 33km
TAIWAN REGION

1999-09-20 D 83.5 AZ 59
GRA1 18:24:24.2 e P Z T1.4 A456 mb6.5
SZGRF: OT 18:12:00.5 25N 121E dep 33km
TAIWAN

1999-09-20 D 83.6 AZ 58

GRA1 18:28:49.7 e P Z T1.5 A620 mb6.6
 SZGRF: OT 18:16:25.2 25N 122E dep 33km
 TAIWAN REGION

 1999-09-20 D 84.3 AZ 61
 GRA1 20:56:22.7 e P Z T1.5 A38 mb5.4
 BEAM 20:56:22.8 e P Z
 BEAM 20:56:26.1 e Z
 SZGRF: OT 20:43:54.6 23N 121E dep 33km
 TAIWAN

 1999-09-20 D 18.4
 GRA1 21:31:31.1 e P Z T1.7 A116 mb4.7
 NEIC: OT 21:28:00.0 41N 28E dep 18km mb4.7
 TURKEY

 1999-09-20 D 82.5 AZ 59
 GRA1 21:59:13.1 e P Z T1.8 A415 mb6.4
 SZGRF: OT 21:46:54.5 26N 121E dep 33km
 TAIWAN REGION

 1999-09-21 AZ 59
 BEAM 00:58:11.8 e P Z
 GRA1 00:58:14.3 e (P) Z
 SZGRF: OT 00:45:41.3 23N 122E dep 33km
 TAIWAN REGION

 1999-09-21 AZ 59
 BEAM 07:18:35.5 e P Z
 GRA1 07:18:35.7 e P Z T1.2 A37 mb5.4
 GRA1 07:56:30.9 e L Z T21.8 A122 MS4.2
 SZGRF: OT 07:06:17.7 26N 121E dep 33km
 TAIWAN REGION

 1999-09-21 AZ 28
 BEAM 12:01:50.4 e P Z
 GRA1 12:01:50.5 e P Z T1.1 A279 mb6.1
 BEAM 12:02:01.8 e Z
 GRA1 12:39:39.9 e L Z T19.7 A744 MS5.0
 SZGRF: OT 11:49:48.5 45N 151E dep 33km
 KURIL ISLANDS REGION

 1999-09-21 D 3.6 405km
 GRA1 14:37:02.8 e Pn Z M14.5
 GRA1 14:37:16.8 e Pg Z
 GRA1 14:38:00.8 e Sg N
 SZGRF: OT 14:36:06.4 51N 16E dep 1km
 POLAND

1999-09-21 AZ 59
 BEAM 17:51:09.3 e P Z
 GRA1 17:51:09.4 e (P) Z T1.8 A78 mb5.6
 GRA1 18:40:59.3 e L Z T19.0 A145 MS4.4
 SZGRF: OT 17:38:47.4 25N 121E dep 33km
 TAIWAN

 1999-09-21 AZ 59
 BEAM 18:31:09.9 e P Z
 GRA1 18:31:10.1 e (P) Z T1.6 A38 mb5.4
 SZGRF: OT 18:18:46.9 25N 122E dep 33km
 TAIWAN

 1999-09-21 AZ 59
 BEAM 22:29:34.8 e P Z
 GRA1 22:29:34.8 e P Z T1.6 A42 mb5.4
 BEAM 22:29:43.4 e Z
 NEIC: OT 22:17:05.9 24N 121E dep 33km mb5.2
 TAIWAN

 1999-09-21 D 3.6 401km
 GRA1 23:45:52.1 e Sg N M13.5
 GRA1 23:45:52.7 e Sg E
 SZGRF: OT 23:43:58.8 52N 16E dep 1km
 POLAND

 1999-09-22 D 84.8 AZ 59
 GRA1 00:27:10.6 e P Z T1.3 A475 mb6.6
 GRA1 01:07:19.5 e L Z T21.0 A23877 MS6.6
 SZGRF: OT 00:14:40.2 24N 122E dep 33km
 TAIWAN REGION

 1999-09-22 AZ 56
 BEAM 01:02:12.8 i P c Z
 GRA1 01:02:12.9 e P Z T1.5 A166 mb5.9
 NEIC: OT 00:49:43.0 24N 121E dep 33km mb6.0
 TAIWAN

 1999-09-22 D 85.9 AZ 58
 GRA1 02:32:04.1 e P Z mb5.0
 BEAM 02:32:04.1 T1.1 A12
 SZGRF: OT 02:19:28.4 24N 124E dep 33km
 SOUTHWESTERN RYUKYU ISLANDS

 1999-09-22 D 85.2 AZ 60
 GRA1 12:29:49.9 e P Z mb5.4
 BEAM 12:29:49.9 T1.0 A24
 GRA1 13:11:07.3 e L Z T21.8 A496 MS4.9
 SZGRF: OT 12:17:17.5 23N 122E dep 33km

TAIWAN REGION

 1999-09-22 D 76.6
 GRA1 17:46:49.0 e P Z T0.9 A70 mb5.8
 SZGRF: OT 17:35:03.3 46N 144E dep 33km
 HOKKAIDO, JAPAN REGION

 1999-09-23 D 84.3 AZ 59
 GRA1 00:58:42.5 e P Z T2.1 A46 mb5.3
 GRA1 01:46:00.3 e L Z T19.7 A163 MS4.4
 SZGRF: OT 00:46:14.8 24N 122E dep 33km
 TAIWAN

 1999-09-23 D 83.5 AZ 59
 GRA1 05:55:24.6 e (P) Z T0.9 A12 mb5.1
 SZGRF: OT 05:43:00.7 25N 121E dep 33km
 TAIWAN

 1999-09-23 D 84.3 AZ 60
 GRA1 12:57:04.8 e P Z T1.6 A97 mb5.8
 GRA1 12:57:11.4 e Z
 GRA1 13:37:21.7 e L Z T20.7 A334 MS4.7
 SZGRF: OT 12:44:37.0 24N 122E dep 33km
 TAIWAN

 1999-09-23 D 83.5 AZ 58
 GRA1 21:51:34.1 e P Z T1.6 A24 mb5.2
 SZGRF: OT 21:39:10.2 25N 122E dep 33km
 TAIWAN

 1999-09-23 D 55.9 AZ 68
 GRA1 12:54:06.9 e P Z T0.4 A16 mb5.4
 NEIC: OT 12:45:16.1 42N 85E dep 33km mb5.0
 NORTHERN XINJIANG, CHINA

 1999-09-23 AZ 6
 GRA1 19:47:59.4 e (P) Z

 1999-09-23 D 3.1 344km
 GRA1 15:54:48.7 e Sg N M13.1
 SZGRF: OT 15:53:07.4 52N 8E dep 1km
 Luenen

 1999-09-24 D 45.0 AZ 82
 GRA1 01:37:04.5 e P Z T0.7 A2 mb4.2
 SZGRF: OT 01:28:53.4 37N 72E dep 33km
 TAJIK SSR

1999-09-24 D 34.8
GRA1 19:24:22.4 e P Z T1.1 A46 mb5.3
GRA1 19:45:44.3 e L Z T19.3 A360 MS4.1
SZGRF: OT 19:17:35.2 30N 49E dep 33km
WESTERN IRAN

1999-09-25
GRA1 01:41:05.7 e PKP Z

1999-09-25 D 57.7 AZ224
GRA1 01:47:23.7 e (P) Z
SZGRF: OT 01:37:35.3 N 25W dep 33km
CENTRAL MID-ATLANTIC RIDGE

1999-09-25 D 84.9 AZ 59
GRA1 04:31:50.9 e (P) Z mb4.8
BEAM 04:31:50.9 T1.0 A6
SZGRF: OT 04:19:19.9 24N 122E dep 33km
TAIWAN REGION

1999-09-25 D149.0
GRA1 05:37:59.1 e PKP Z

1999-09-25 D 85.3 AZ 59
GRA1 08:56:02.3 e P Z T1.1 A19 mb5.2
GRA1 09:37:02.4 e L Z T18.3 A657 MS5.1
SZGRF: OT 08:43:29.3 23N 122E dep 33km
TAIWAN REGION

1999-09-25
GRA1 16:19:28.8 e PKP Z

1999-09-25 D 3.6 406km
GRA1 17:23:01.8 e Pn Z M13.3
GRA1 17:23:59.3 e Sg N
SZGRF: OT 17:22:05.1 52N 16E dep 1km
POLAND

1999-09-25 D 30.5 AZ106
GRA1 19:26:36.5 e P Z T1.0 A10 mb4.7
NEIC: OT 19:19:29.9 29N 51E dep 33km mb4.7
SOUTHERN IRAN

1999-09-25 D 85.1 AZ 57
GRA1 22:06:40.0 e P Z mb4.6
BEAM 22:06:40.0 T1.2 A4

SZGRF: OT 21:54:08.2 25N 124E dep 33km
SOUTHWESTERN RYUKYU ISLANDS

1999-09-26 D 85.0 AZ 59
GRA1 00:05:21.2 e P Z T1.4 A535 mb6.6
GRA1 00:45:10.6 e L Z T18.8 A39734 MS6.8

1999-09-26
GRA1 00:23:35.3 e PKP Z

1999-09-26 D 3.6 403km
GRA1 03:02:39.1 e Pn Z M13.4
GRA1 03:02:52.2 e Pg Z
GRA1 03:03:36.6 e Sg N
SZGRF: OT 03:01:42.5 51N 16E dep 1km
POLAND

1999-09-26 D 18.4
GRA1 06:42:29.3 e P Z T1.1 A14 mb4.0
SZGRF: OT 06:38:16.8 38N 31E dep 33km
TURKEY

1999-09-26 D 3.6 404km
GRA1 07:01:34.7 e Pn Z M13.3
GRA1 07:01:48.0 e Pg Z
GRA1 07:02:32.9 e Sg N
SZGRF: OT 07:00:38.7 51N 16E dep 1km
POLAND

1999-09-26 D 85.6
GRA1 16:16:30.8 e P Z mb4.7
BEAM 16:16:30.8 T1.2 A8
GRA1 16:59:20.3 e L Z T18.8 A200 MS4.5
NEIC: OT 16:03:48.8 27N 130E dep 33km mb4.9
RYUKYU ISLANDS

1999-09-26 D 88.8 AZ 28
GRA1 23:50:36.6 e P Z mb5.8
BEAM 23:50:36.6 T1.0 A66
GRA1 00:27:11.2 e L Z T21.7 A204 MS4.5
NEIC: OT 23:38:37.8 45N 148E dep 55km mb5.2
KURIL ISLANDS

1999-09-26 D 3.4 378km
GRA1 04:16:32.6 e Pg Z M12.9
GRA1 04:17:19.9 e Sg N
SZGRF: OT 04:15:29.4 46N 13E dep 10km

NORTHERN ITALY

 1999-09-27 D 33.1 AZ108
 GRA1 02:38:32.9 e (P) Z T1.7 A32 mb5.0
 SZGRF: OT 02:31:59.8 32N 49E dep 33km
 WESTERN IRAN

1999-09-27 AZ 59
 GRA1 04:16:04.6 e (P) Z

1999-09-27 D 80.8 AZ 59
 GRA1 07:13:12.9 e (P) Z mb4.7
 BEAM 07:13:12.9 T0.9 A7
 NEIC: OT 07:00:44.6 24N 121E dep 33km mb4.9
 TAIWAN

1999-09-27 D 85.9 AZ 59
 GRA1 07:40:55.8 e (P) Z mb4.8
 BEAM 07:40:55.8 T1.4 A12
 SZGRF: OT 07:28:20.1 23N 123E dep 33km
 SOUTHWESTERN RYUKYU ISLANDS

1999-09-27 D 58.5 AZ 68
 GRA1 11:59:53.4 e P Z mb4.8
 BEAM 11:59:53.4 T1.0 A10
 GRA1 12:29:53.2 e L Z T19.7 A161 MS4.1
 NEIC: OT 11:49:16.8 35N 101E dep 33km mb4.8
 QINGHAI, CHINA

1999-09-27 D 85.5 AZ 59
 GRA1 12:07:41.4 e P Z mb5.6
 BEAM 12:07:41.4 T1.9 A68
 GRA1 12:47:13.5 e L Z T20.0 A403 MS4.8
 SZGRF: OT 11:55:07.7 23N 123E dep 33km
 SOUTHWESTERN RYUKYU ISLANDS

1999-09-27 D 74.4 AZ132
 GRA1 22:30:59.1 e P Z mb4.6
 BEAM 22:30:59.1 T1.1 A8
 NEIC: OT 22:17:52.1 28S 66E dep 10km mb4.8
 SOUTH INDIAN OCEAN

1999-09-27 D 74.5 AZ 15
 GRA1 23:13:14.7 e P Z mb4.7
 BEAM 23:13:14.7 T1.1 A9
 SZGRF: OT 23:01:41.0 54N 165E dep 33km
 KOMANDORSKY ISLANDS REGION

1999-09-28 D 87.5 AZ129
GRA1 02:28:24.1 e P Z mb5.2
BEAM 02:28:24.1 T1.1 A14
NEIC: OT 02:15:19.1 28S 66E dep 10km mb4.9
SOUTH INDIAN OCEAN

1999-09-28 D 72.4 AZ 16
GRA1 04:55:22.8 e P Z mb5.6
BEAM 04:55:22.8 T3.7 A209
SZGRF: OT 04:44:01.7
OFF EAST COAST OF KAMCHATKA

1999-09-28 D 78.4 AZ 10
GRA1 05:12:18.5 i P d Z mb5.5
BEAM 05:12:18.5 T1.2 A55
GRA1 05:44:43.5 e L Z T21.6 A4006 MS5.7
NEIC: OT 05:00:43.1 55N 168E dep 33km mb5.4
KOMANDORSKY ISLANDS REGION

1999-09-28 D 73.9 AZ 16
GRA1 05:55:42.3 i P c Z mb5.8
BEAM 05:55:42.3 T3.9 A411
NEIC: OT 05:44:05.8 55N 168E dep 33km mb5.2
KOMANDORSKY ISLANDS REGION

1999-09-28 D 86.7 AZ 59
GRA1 06:06:20.0 e P Z mb4.8
BEAM 06:06:20.0 T1.1 A9

1999-09-28
GRA1 14:08:44.7 e PKP Z

1999-09-28 D 84.1 AZ 58
GRA1 15:56:13.8 e P Z mb4.7
BEAM 15:56:13.8 T0.9 A5
NEIC: OT 15:43:41.7 23N 121E dep 33km mb4.6
TAIWAN

1999-09-28 D 78.5 AZ 4
GRA1 23:33:31.9 e P Z mb4.7
BEAM 23:33:31.9 T1.1 A7
NEIC: OT 23:21:55.9 55N 168E dep 33km mb4.8
KOMANDORSKY ISLANDS REGION

1999-09-29
GRA1 00:16:44.3 e Pn Z
GRA1 00:16:51.8 e Z

1999-09-29

GRA1 03:45:31.4 e PKP Z

1999-09-29

GRA1 16:33:02.5 e PKP Z

1999-09-29

GRA1 18:20:21.2 e P Z

BEAM 18:20:21.2 T1.6 A38

GRA1 19:08:01.8 e L Z T18.8 A1208

1999-09-30

GRA1 02:03:24.1 e PKP Z

1999-09-30 D 48.4 AZ264

GRA1 02:44:49.5 e P Z mb5.3

BEAM 02:44:49.5 T1.6 A42

GRA1 02:59:55.6 e L Z T19.3 A612 MS4.6

NEIC: OT 02:36:57.1 32N 40W dep 10km mb5.0

NORTHERN MID-ATLANTIC RIDGE

1999-09-30 D 46.9 AZ264

GRA1 02:47:29.7 i P d Z mb5.2

BEAM 02:47:29.7 T1.4 A27

NEIC: OT 02:39:37.6 32N 40W dep 10km mb4.8

NORTHERN MID-ATLANTIC RIDGE

1999-09-30 D 77.3 AZ 9

GRA1 03:30:03.5 e P Z mb5.6

BEAM 03:30:03.5 T3.4 A173

GRA1 04:00:44.2 e L Z T20.4 A214 MS4.5

NEIC: OT 03:18:27.7 55N 168E dep 33km mb5.0

KOMANDORSKY ISLANDS REGION

1999-09-30 D 89.2

GRA1 16:44:06.3 i P d Z mb7.2

BEAM 16:44:06.3 T4.5 A6712

GRA1 16:54:37.6 e SKSac E

GRA1 17:21:03.0 e L Z T20.9 A123100 MS7.3

SZGRF: OT 16:31:14.2 16N 97W dep 33km

NEAR COAST OF OAXACA, MEXICO

1999-09-30

GRA1 17:01:43.6 i PKP c Z

1999-09-30

GRA1 17:09:45.8 e PKP Z

1999-09-30

GRA1 20:35:24.7 e P Z

BEAM 20:35:24.7 T1.0 A8

NEIC: OT 20:23:56.7 54N 160E dep 82km mb4.6

NEAR EAST COAST OF KAMCHATKA

1999-09-30

GRA1 21:01:54.0 e PKP Z

GRA1 21:02:04.9 e Z

GRA1 21:02:20.4 e Z

GRA1 21:02:42.8 e Z
