

MONTHLY BULLETIN of REGIONAL and TELESEISMIC EVENTS RECORDED with GRF- and GRNS-STATIONS in GERMANY

(produced by SZGRF/BGR - ERLANGEN)

APRIL 2008

UPDATED 26.JANUARY.2009

Please note that local events recorded in Germany are part of the "LOCAL BULLETIN".

(Format description at the end of the bulletin)

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source | | |
|---------------------------|-------------|---------|------------|-------|------|------|-------|--------|-----|----|
| 2008/04/01 | 01:31:48.0 | 20.811N | 118.878E | 33.0N | 5.0 | 4.6 | | SZGRF | | |
| Philippine Islands region | | | | | | | | | | |
| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| BRG | e P | Z | 01:44:10.7 | 82.9 | 65.5 | 1.1 | 12 | 5.1 | | |
| FBE | e P | Z | 01:44:12.6 | 83.2 | 65.1 | 1.4 | 19 | 5.2 | | |
| CLL | e P | Z | 01:44:12.1 | 83.3 | 64.9 | 1.2 | 13 | 5.0 | | |
| BSEG | e P | Z | 01:44:13.5 | 83.6 | 63.1 | 1.1 | 27 | 5.4 | | |
| GEC2 | e P | Z | 01:44:13.0 | 83.9 | 65.1 | 1.3 | 8 | 4.8 | | |
| TANN | e P | Z | 01:44:14.1 | 83.9 | 64.4 | 1.0 | 4 | 4.6 | | |
| WERD | e P | Z | 01:44:13.7 | 84.0 | 64.3 | 0.7 | 3 | 4.6 | | |
| NKC | e P | Z | 01:44:13.6 | 84.0 | 64.4 | 1.1 | 7 | 4.8 | | |
| WERN | e P | Z | 01:44:13.5 | 84.1 | 64.3 | 1.3 | 10 | 4.9 | | |
| NRDL | e P | Z | 01:44:17.6 | 84.3 | 62.8 | 1.5 | 22 | 5.1 | | |
| ROTZ | e P | Z | 01:44:18.8 | 84.4 | 64.1 | 0.9 | 6 | 4.7 | | |
| CLZ | e P | Z | 01:44:18.4 | 84.5 | 62.9 | 1.4 | 21 | 5.1 | | |
| RJOB | e P | Z | 01:44:20.9 | 84.9 | 64.4 | 0.9 | 8 | 4.9 | | |
| GRA1 | e P | Z | 01:44:20.4 | 85.0 | 63.4 | 0.9 | 10 | 4.9 | | |
| | e S | R | 01:54:45.3 | | | | | | | |
| | e L | Z | 02:24:11.3 | | | 21.0 | 282 | | 4.6 | |
| FUR | e P | Z | 01:44:24.9 | 85.6 | 63.3 | 1.0 | 19 | 5.2 | | |
| WLF | e P | Z | 01:44:34.5 | 87.9 | 59.6 | 0.9 | 21 | 5.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------|-------------|---------|---------|-------|----|-----|----|--------|
| 2008/04/01 | 11:05: 8.3 | 40.820S | 44.740E | 10.0G | | 5.0 | | SZGRF |
| Southwest Indian Ridge | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|-------|--|------|------|-----|------|-------|----|----|----|
|-----|-------|--|------|------|-----|------|-------|----|----|----|

| | | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|--|-----|
| RJOB | e SS | R | 11:35:35.8 | 93.0 | 156.4 | | | | |
| GEC2 | e SS | R | 11:35:45.6 | 93.8 | 157.0 | | | | |
| FUR | e SS | R | 11:35:47.9 | 93.8 | 155.3 | | | | |
| WET | e SS | R | 11:35:53.6 | 94.2 | 156.4 | | | | |
| BFO | e SS | R | 11:36:00.4 | 94.8 | 153.2 | | | | |
| ROTZ | e SS | R | 11:36:04.2 | 95.0 | 155.9 | | | | |
| GRA1 | e SS | R | 11:36:07.3 | 95.2 | 155.2 | | | | |
| | e L | Z | 12:01:08.9 | | | 20.2 | 531 | | 5.0 |
| TANN | e SS | R | 11:36:12.3 | 95.5 | 156.0 | | | | |
| BRG | e SS | R | 11:36:12.1 | 95.6 | 157.1 | | | | |
| MOX | e SS | R | 11:36:17.9 | 95.9 | 155.4 | | | | |
| CLL | e SS | R | 11:36:21.2 | 96.2 | 156.4 | | | | |
| TNS | e SS | R | 11:36:25.4 | 96.4 | 153.2 | | | | |
| UBBA | e SS | R | 11:36:26.3 | 96.5 | 154.3 | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/01 | 13:09:31.6 | 20.390N | 122.119E | 33.0N | 5.2 | 5.1 | | SZGRF |
| Philippine Islands region | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|-----|----|
| BRG | e P | Z | 13:22:04.8 | 85.1 | 63.4 | 1.8 | 36 | 5.3 | | |
| CLL | e P | Z | 13:22:06.4 | 85.4 | 62.7 | 1.2 | 21 | 5.1 | | |
| BSEG | e P | Z | 13:22:07.1 | 85.6 | 60.8 | 1.0 | 23 | 5.2 | | |
| CLZ | e P | Z | 13:22:12.2 | 86.6 | 60.7 | 1.5 | 26 | 5.2 | | |
| GRA1 | e P | Z | 13:22:14.8 | 87.2 | 61.3 | 2.0 | 28 | 5.1 | | |
| | e PP | Z | 13:25:39.4 | | | | | | | |
| | e L | Z | 14:02:56.6 | | | 19.2 | 751 | | 5.1 | |
| UBBA | e P | Z | 13:22:15.5 | 87.3 | 60.4 | 1.9 | 26 | 5.0 | | |
| WLF | e P | Z | 13:22:27.5 | 90.0 | 57.4 | 1.0 | 30 | 5.5 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|--|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/01 | 14:29: 1.9 | 35.158N | 141.229E | 33.0N | 5.2 | | | SZGRF |
| Near east coast of eastern Honshu, Japan | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BSEG | e P | Z | 14:41:15.7 | 81.4 | 38.7 | 1.5 | 26 | 5.1 | | |
| BRG | e P | Z | 14:41:20.3 | 82.3 | 41.0 | 0.8 | 7 | 4.9 | | |
| CLL | e P | Z | 14:41:20.2 | 82.3 | 40.4 | 0.7 | 10 | 5.2 | | |
| NRDL | e P | Z | 14:41:21.9 | 82.6 | 38.4 | 1.0 | 10 | 5.0 | | |
| MOX | e P | Z | 14:41:26.2 | 83.4 | 39.3 | 1.7 | 18 | 5.0 | | |
| IBBN | e P | Z | 14:41:27.0 | 83.6 | 36.7 | 0.7 | 18 | 5.4 | | |
| ROTZ | e P | Z | 14:41:28.6 | 83.9 | 39.7 | 1.4 | 13 | 5.0 | | |
| GEC2 | e P | Z | 14:41:28.3 | 83.9 | 40.7 | 0.9 | 7 | 4.9 | | |
| WET | e P | Z | 14:41:29.8 | 84.0 | 40.1 | 1.3 | 17 | 5.1 | | |
| GRA1 | e P | Z | 14:41:31.0 | 84.3 | 39.0 | 1.0 | 23 | 5.4 | | |

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| | | | | | | | | |
|------|-----|---|------------|------|------|-----|----|-----|
| BUG | e P | Z | 14:41:31.7 | 84.5 | 36.2 | 1.5 | 34 | 5.3 |
| TNS | e P | Z | 14:41:34.2 | 85.0 | 37.0 | 0.7 | 13 | 5.3 |
| RJOB | e P | Z | 14:41:35.3 | 85.2 | 40.0 | 1.1 | 13 | 5.1 |
| FUR | e P | Z | 14:41:36.8 | 85.5 | 39.0 | 0.7 | 26 | 5.5 |
| STU | e P | Z | 14:41:38.6 | 85.9 | 37.5 | 0.7 | 22 | 5.4 |
| BFO | e P | Z | 14:41:41.6 | 86.6 | 36.9 | 1.3 | 17 | 5.0 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|----------|-------|----|----|----|--------|
| 2008/04/02 | 00:25:53.8 | 6.900S | 155.800E | 91.0 | | | | NEIC |

Bougainville - Solomon Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| BRG | e PKPdf | Z 00:44:45.6 | 125.9 | 49.2 | | | | | |
| CLL | e PKPdf | Z 00:44:45.7 | 126.0 | 47.9 | | | | | |
| FBE | e PKPdf | Z 00:44:46.2 | 126.1 | 48.5 | | | | | |
| CLZ | e PKPdf | Z 00:44:47.7 | 126.8 | 44.7 | | | | | |
| WERD | e PKPdf | Z 00:44:47.5 | 126.9 | 47.6 | | | | | |
| GUNZ | e PKPdf | Z 00:44:47.1 | 127.0 | 47.7 | | | | | |
| WERN | e PKPdf | Z 00:44:48.1 | 127.0 | 47.8 | | | | | |
| MOX | e PKPdf | Z 00:44:47.7 | 127.1 | 46.8 | | | | | |
| GEC2 | e PKPdf | Z 00:44:48.2 | 127.3 | 50.1 | | | | | |
| WET | e PKPdf | Z 00:44:49.4 | 127.5 | 49.0 | | | | | |
| GRA1 | e PKPdf | Z 00:44:49.7 | 127.9 | 46.9 | | | | | |
| TNS | e PKPdf | Z 00:44:52.4 | 128.8 | 43.4 | | | | | |
| WLF | e SKPdf | Z 00:48:14.0 | 130.2 | 41.1 | | | | | |
| BFO | e SKPdf | Z 00:48:14.1 | 130.3 | 44.4 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/02 | 05:55:46.0 | 44.708N | 130.127W | 33.0N | 5.1 | 5.2 | | SZGRF |

Off coast of Oregon, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| NRDL | e P | Z 06:07:35.2 | 77.0 | 332.2 | 1.4 | 21 | 5.0 | | |
| CLZ | e P | Z 06:07:38.4 | 77.6 | 332.4 | 1.7 | 45 | 5.2 | | |
| UBBA | e P | Z 06:07:42.5 | 78.4 | 332.3 | 1.4 | 13 | 4.8 | | |
| CLL | e P | Z 06:07:45.9 | 78.8 | 334.2 | 1.2 | 24 | 5.2 | | |
| MOX | e P | Z 06:07:46.9 | 79.0 | 333.4 | 1.1 | 15 | 5.1 | | |
| BRG | e P | Z 06:07:50.0 | 79.5 | 334.9 | 1.2 | 25 | 5.2 | | |
| GRA1 | e P | Z 06:07:51.3 | 79.8 | 333.2 | 1.2 | 48 | 5.5 | | |
| | e L | Z 06:45:03.7 | | | 18.2 | 1041 | | 5.2 | |
| ROTZ | e P | Z 06:07:52.3 | 80.0 | 333.8 | 1.5 | 20 | 5.0 | | |
| BFO | e P | Z 06:07:51.3 | 80.1 | 331.4 | 1.7 | 35 | 5.2 | | |
| WET | e P | Z 06:07:56.2 | 80.7 | 334.3 | 1.3 | 14 | 4.9 | | |
| GEC2 | e P | Z 06:07:59.4 | 81.3 | 334.9 | 1.3 | 13 | 4.9 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------------|-------------|--------|----------|-------|-----|-----|----|--------|
| 2008/04/02 | 08:48:46.7 | 4.190S | 102.530E | 33.0G | 5.8 | 4.8 | | SZGRF |
| Southern Sumatera, Indonesia | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|-----|----|
| BRG | e P | Z | 09:01:54.1 | 92.4 | 93.7 | 0.8 | 52 | 5.9 | | |
| | e PP | Z | 09:05:35.3 | | | | | | | |
| GEC2 | e P | Z | 09:01:54.4 | 92.4 | 93.6 | 1.5 | 101 | 5.9 | | |
| RJOB | e P | Z | 09:01:56.0 | 92.9 | 93.0 | 1.1 | 27 | 5.6 | | |
| WET | e P | Z | 09:01:56.9 | 92.9 | 93.0 | 1.5 | 110 | 6.1 | | |
| | e P | Z | 09:01:56.7 | 93.0 | 93.0 | 1.2 | 44 | 5.8 | | |
| TANN | e PP | Z | 09:05:39.9 | | | | | | | |
| | e P | Z | 09:01:58.2 | 93.3 | 92.6 | 1.1 | 28 | 5.6 | | |
| ROTZ | e P | Z | 09:01:59.3 | 93.4 | 92.5 | 1.0 | 38 | 5.8 | | |
| | e PP | Z | 09:05:43.5 | | | | | | | |
| MOX | e P | Z | 09:02:00.6 | 93.8 | 92.0 | 1.0 | 31 | 5.6 | | |
| FUR | e P | Z | 09:02:00.9 | 94.0 | 91.9 | 0.9 | 44 | 5.8 | | |
| GRA1 | e P | Z | 09:02:02.0 | 94.0 | 91.7 | 0.9 | 68 | 6.0 | | |
| | e PP | Z | 09:05:48.1 | | | | | | | |
| CLZ | e L | Z | 09:52:46.4 | | | 21.2 | 369 | | 4.8 | |
| | e P | Z | 09:02:04.3 | 94.6 | 90.9 | 1.1 | 32 | 5.7 | | |
| BSEG | e P | Z | 09:02:04.5 | 94.7 | 90.7 | 1.1 | 44 | 5.8 | | |
| | e PP | Z | 09:05:52.5 | | | | | | | |
| NRDL | e P | Z | 09:02:05.1 | 94.8 | 90.6 | 1.1 | 39 | 5.8 | | |
| | e PP | Z | 09:05:52.5 | | | | | | | |
| UBBA | e P | Z | 09:02:05.1 | 94.8 | 90.7 | 1.9 | 59 | 5.7 | | |
| STU | e P | Z | 09:02:07.4 | 95.3 | 90.3 | 0.9 | 31 | 5.7 | | |
| TNS | e P | Z | 09:02:09.9 | 95.8 | 89.5 | 0.9 | 78 | 6.2 | | |
| | e PP | Z | 09:06:01.6 | | | | | | | |
| BFO | e P | Z | 09:02:09.8 | 95.9 | 89.7 | 1.0 | 21 | 5.6 | | |
| IBBN | e P | Z | 09:02:11.4 | 96.2 | 88.8 | 0.6 | 29 | 6.0 | | |
| | e PP | Z | 09:06:05.2 | | | | | | | |
| WLF | e P | Z | 09:02:16.7 | 97.3 | 87.9 | 1.2 | 29 | 5.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------------|-------------|--------|---------|-------|-----|-----|----|--------|
| 2008/04/02 | 14:36:20.8 | 4.660S | 68.160E | 47.3 | 5.6 | 4.7 | | SZGRF |
| Chagos Archipelago region | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| RJOB | e P | Z | 14:47:34.0 | 71.3 | 120.0 | 1.0 | 29 | 5.3 | | |
| GEC2 | e P | Z | 14:47:34.3 | 71.3 | 121.1 | 2.6 | 101 | 5.5 | | |
| WET | e P | Z | 14:47:38.1 | 71.9 | 120.5 | 1.6 | 40 | 5.3 | | |
| BRG | e P | Z | 14:47:40.2 | 72.3 | 121.9 | 0.4 | 21 | 5.6 | | |
| FUR | e P | Z | 14:47:41.1 | 72.4 | 118.8 | 1.1 | 146 | 6.0 | | |
| ROTZ | e P | Z | 14:47:42.2 | 72.6 | 120.1 | | | | | |

| | | | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|-----|-----|--|
| | e PP | Z | 14:50:23.5 | | | | | | | |
| TANN | e P | Z | 14:47:44.6 | 72.8 | 120.5 | 1.2 | 34 | 5.3 | | |
| CLL | e P | Z | 14:47:44.6 | 73.0 | 121.2 | 1.6 | 98 | 5.6 | | |
| GRA1 | e P | Z | 14:47:45.4 | 73.2 | 119.2 | 1.2 | 192 | 6.0 | | |
| | e pP | Z | 14:47:58.9 | | | | | | | |
| | e PP | Z | 14:50:28.9 | | | | | | | |
| | e S | T | 14:57:14.8 | | | | | | | |
| | e SS | R | 15:01:59.2 | | | | | | | |
| | e L | Z | 15:22:17.8 | | | 21.1 | 445 | | 4.7 | |
| MOX | e P | Z | 14:47:47.1 | 73.4 | 119.8 | 1.1 | 31 | 5.3 | | |
| | e PP | Z | 14:50:30.1 | | | | | | | |
| STU | e P | Z | 14:47:50.1 | 73.9 | 117.3 | 1.3 | 104 | 5.7 | | |
| BFO | e P | Z | 14:47:51.9 | 74.2 | 116.4 | 1.3 | 75 | 5.6 | | |
| UBBA | e P | Z | 14:47:53.7 | 74.4 | 118.5 | 1.5 | 83 | 5.6 | | |
| CLZ | e P | Z | 14:47:54.7 | 74.7 | 119.0 | 1.1 | 55 | 5.5 | | |
| | e PP | Z | 14:50:40.4 | | | | | | | |
| TNS | e P | Z | 14:47:56.8 | 75.0 | 117.0 | 1.2 | 136 | 6.0 | | |
| | e PP | Z | 14:50:45.3 | | | | | | | |
| NRDL | e P | Z | 14:47:57.3 | 75.1 | 119.0 | 1.2 | 63 | 5.6 | | |
| BSEG | e P | Z | 14:48:00.4 | 75.7 | 119.5 | 1.2 | 40 | 5.4 | | |
| WLF | e P | Z | 14:48:02.8 | 76.1 | 114.9 | 1.0 | 61 | 5.7 | | |
| BUG | e P | Z | 14:48:03.6 | 76.2 | 116.3 | 1.1 | 61 | 5.6 | | |
| IBBN | e P | Z | 14:48:04.6 | 76.3 | 116.9 | 1.3 | 79 | 5.7 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/02 19:09: 8.3 0.383S 97.998E 66.3 5.1
 Southwest of Sumatera, Indonesia SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GEC2 | e P | Z 19:21:43.6 | 86.5 | 94.6 | 1.3 | 19 | 5.2 | | |
| | e pP | Z 19:22:01.5 | | | | | | | |
| BRG | e P | Z 19:21:43.5 | 86.6 | 94.9 | 1.0 | 9 | 4.9 | | |
| | e pP | Z 19:22:02.0 | | | | | | | |
| RUE | e P | Z 19:21:45.0 | 86.8 | 94.8 | 0.9 | 50 | | | |
| FBE | e P | Z 19:21:45.5 | 86.9 | 94.4 | 1.0 | 15 | | | |
| RJOB | e P | Z 19:21:45.5 | 87.1 | 93.8 | 1.0 | 10 | 5.0 | | |
| WET | e P | Z 19:21:46.4 | 87.1 | 93.9 | | | | | |
| CLL | e P | Z 19:21:46.3 | 87.2 | 94.1 | 1.1 | 13 | 5.0 | | |
| TANN | e P | Z 19:21:47.9 | 87.5 | 93.7 | 1.0 | 7 | 4.7 | | |
| | e pP | Z 19:22:06.0 | | | | | | | |
| ROTZ | e P | Z 19:21:49.2 | 87.6 | 93.5 | 0.8 | 9 | 5.0 | | |
| MOX | e P | Z 19:21:50.5 | 88.0 | 93.0 | 1.4 | 13 | 4.9 | | |
| GRA1 | e P | Z 19:21:52.0 | 88.2 | 92.7 | 0.9 | 18 | 5.2 | | |
| CLZ | e P | Z 19:21:54.8 | 88.8 | 92.1 | 0.8 | 22 | 5.4 | | |
| | e pP | Z 19:22:13.2 | | | | | | | |
| BSEG | e P | Z 19:21:55.1 | 88.9 | 92.1 | 1.3 | 30 | 5.3 | | |
| | e pP | Z 19:22:14.1 | | | | | | | |

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| | | | | | | | | |
|------|------|---|------------|------|------|-----|----|-----|
| NRDL | e P | Z | 19:21:55.6 | 89.0 | 91.9 | 1.1 | 28 | 5.3 |
| | e pP | Z | 19:22:13.7 | | | | | |
| UBBA | e P | Z | 19:21:55.3 | 89.0 | 91.8 | 0.8 | 6 | 4.8 |
| TNS | e P | Z | 19:22:00.6 | 90.0 | 90.6 | 0.9 | 43 | 5.7 |
| BFO | e P | Z | 19:22:00.1 | 90.1 | 90.5 | 0.9 | 14 | 5.3 |
| IBBN | e P | Z | 19:22:03.0 | 90.4 | 90.0 | 1.0 | 33 | 5.5 |
| BUG | e P | Z | 19:22:04.1 | 90.8 | 89.7 | 0.8 | 13 | 5.2 |
| WLF | e P | Z | 19:22:07.6 | 91.5 | 88.8 | 1.2 | 17 | 5.1 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|----------|--------|----|----|----|--------|
| 2008/04/02 | 19:10:20.6 | 7.121S | 129.187E | 191.0G | | | | NEIC |

Banda Sea

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPdf | Z | 19:28:32.0 | 111.3 | 74.4 | | | | | |
| | e SKPdf | Z | 19:31:48.7 | | | | | | | |
| CLL | e SKPdf | Z | 19:31:49.2 | 111.7 | 73.5 | | | | | |
| GEC2 | e PKPdf | Z | 19:28:33.0 | 112.0 | 75.0 | | | | | |
| | e SKPdf | Z | 19:31:49.9 | | | | | | | |
| WET | e PKPdf | Z | 19:28:34.1 | 112.4 | 74.2 | | | | | |
| | e SKPdf | Z | 19:31:50.9 | | | | | | | |
| BSEG | e PKPdf | Z | 19:28:33.9 | 112.5 | 70.1 | | | | | |
| RJOB | e PKPdf | Z | 19:28:34.3 | 112.9 | 74.7 | | | | | |
| | e SKPdf | Z | 19:31:51.7 | | | | | | | |
| NRDL | e PKPdf | Z | 19:28:35.4 | 113.1 | 70.5 | | | | | |
| CLZ | e PKPdf | Z | 19:28:35.8 | 113.1 | 71.0 | | | | | |
| | e SKPdf | Z | 19:31:52.5 | | | | | | | |
| GRA1 | e PKPdf | Z | 19:28:35.8 | 113.3 | 72.6 | | | | | |
| FUR | e PKPdf | Z | 19:28:36.4 | 113.7 | 73.3 | | | | | |
| | e SKPdf | Z | 19:31:53.6 | | | | | | | |
| TNS | e PKPdf | Z | 19:28:38.5 | 114.8 | 70.0 | | | | | |
| STU | e SKPdf | Z | 19:31:56.5 | 114.8 | 71.3 | | | | | |
| BUG | e SKPdf | Z | 19:31:56.8 | 115.1 | 68.4 | | | | | |
| BFO | e PKPdf | Z | 19:28:39.2 | 115.5 | 70.7 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/02 | 23:35: 4.9 | 53.742N | 171.853E | 33.0N | 4.9 | | | SZGRF |

Near Islands, Aleutian Islands, United States

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BSEG | e P | Z | 23:46:21.8 | 71.2 | 11.4 | 1.0 | 10 | 4.9 | | |
| NRDL | e P | Z | 23:46:30.1 | 72.7 | 11.2 | 3.3 | 198 | 5.7 | | |
| CLZ | e P | Z | 23:46:33.6 | 73.3 | 11.3 | 1.1 | 15 | 4.9 | | |
| CLL | e P | Z | 23:46:34.0 | 73.5 | 12.9 | 0.8 | 5 | 4.6 | | |
| BRG | e P | Z | 23:46:35.4 | 73.8 | 13.4 | 1.7 | 16 | 4.8 | | |

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| | | | | | | | | |
|------|-----|---|------------|------|------|-----|----|-----|
| MOX | e P | Z | 23:46:38.6 | 74.3 | 12.0 | 1.2 | 8 | 4.6 |
| UBBA | e P | Z | 23:46:40.4 | 74.3 | 11.0 | | | |
| TANN | e P | Z | 23:46:40.0 | 74.4 | 12.5 | 1.0 | 4 | 4.5 |
| ROTZ | e P | Z | 23:46:44.0 | 75.1 | 12.3 | 1.0 | 8 | 4.7 |
| GRA1 | e P | Z | 23:46:45.1 | 75.3 | 11.7 | 1.9 | 72 | 5.5 |
| WET | e P | Z | 23:46:47.0 | 75.6 | 12.7 | 1.1 | 10 | 4.9 |
| GEC2 | e P | Z | 23:46:47.5 | 75.8 | 13.1 | 0.9 | 9 | 4.9 |
| RJOB | e P | Z | 23:46:55.3 | 77.0 | 12.5 | 0.9 | 7 | 4.8 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/02 | 23:47: 9.4 | 20.796N | 122.129E | 12.0 | 5.1 | | | SZGRF |

Philippine Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z | 23:59:42.8 | 84.8 | 63.1 | 1.8 | 50 | 5.4 | | |
| CLL | e P | Z | 23:59:44.1 | 85.1 | 62.4 | 1.5 | 33 | 5.3 | | |
| BSEG | e P | Z | 23:59:45.8 | 85.3 | 60.6 | 1.1 | 26 | 5.4 | | |
| TANN | e P | Z | 23:59:48.0 | 85.8 | 62.0 | 1.2 | 7 | 4.7 | | |
| WET | e P | Z | 23:59:49.7 | 86.2 | 62.2 | 1.9 | 29 | 5.1 | | |
| MOX | e P | Z | 23:59:50.0 | 86.2 | 61.3 | 1.8 | 32 | 5.1 | | |
| ROTZ | e P | Z | 23:59:50.3 | 86.3 | 61.7 | 1.5 | 18 | 5.0 | | |
| CLZ | e P | Z | 23:59:51.7 | 86.3 | 60.5 | 1.7 | 44 | 5.3 | | |
| GRA1 | e P | Z | 23:59:54.1 | 86.9 | 61.0 | 1.6 | 26 | 5.1 | | |
| RJOB | e P | Z | 23:59:53.8 | 86.9 | 62.1 | 1.6 | 22 | 5.0 | | |
| FUR | e P | Z | 23:59:57.2 | 87.6 | 61.0 | 0.7 | 10 | 5.2 | | |
| WLF | e P | Z | 00:00:06.5 | 89.7 | 57.2 | 1.0 | 11 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/03 | 03:12:55.5 | 20.665N | 121.833E | 33.0N | 5.1 | 4.9 | | SZGRF |

Philippine Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|-----|----|
| BRG | e P | Z | 03:25:26.6 | 84.7 | 63.4 | 1.8 | 39 | 5.3 | | |
| CLL | e P | Z | 03:25:27.8 | 85.0 | 62.7 | 1.4 | 24 | 5.2 | | |
| BSEG | e P | Z | 03:25:29.4 | 85.2 | 60.9 | 1.3 | 38 | 5.5 | | |
| GEC2 | e P | Z | 03:25:31.9 | 85.8 | 63.1 | 1.6 | 19 | 5.0 | | |
| WET | e P | Z | 03:25:33.9 | 86.1 | 62.5 | 1.5 | 15 | 4.9 | | |
| MOX | e P | Z | 03:25:33.7 | 86.1 | 61.6 | 1.6 | 22 | 5.0 | | |
| ROTZ | e P | Z | 03:25:34.6 | 86.2 | 62.0 | 1.6 | 13 | 4.8 | | |
| CLZ | e P | Z | 03:25:34.7 | 86.2 | 60.8 | 1.6 | 35 | 5.2 | | |
| GRA1 | e P | Z | 03:25:36.8 | 86.8 | 61.3 | 0.8 | 6 | 4.7 | | |
| | e S | R | 03:36:07.2 | | | | | | | |
| | e L | Z | 04:07:17.6 | | | 21.0 | 473 | | 4.9 | |
| WLF | e P | Z | 03:25:50.5 | 89.6 | 57.5 | 1.4 | 31 | 5.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/03 | 04:04:26.0 | 75.416S | 146.325W | 33.0N | | | | SZGRF |

Antarctica

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|-------|------|-------|----|----|----|
| BFO | e PKPbc | Z 04:24:15.7 | 151.0 | 192.8 | | | | | |
| RJOB | e PKPbc | Z 04:24:16.2 | 151.0 | 190.7 | | | | | |
| FUR | e PKPbc | Z 04:24:17.0 | 151.2 | 191.5 | | | | | |
| GEC2 | e PKPbc | Z 04:24:18.6 | 152.2 | 190.6 | | | | | |
| TNS | e PKPbc | Z 04:24:20.6 | 152.8 | 193.6 | | | | | |
| WERN | e PKPbc | Z 04:24:22.4 | 153.4 | 191.8 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|----|----|-----|--------|
| 2008/04/03 | 05:07:28.5 | 44.478N | 10.036E | 10.0G | | | 3.6 | SZGRF |

Northern Italy

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|----|----|-----|
| DAVA | e Pn | Z 05:08:13.4 | 2.8 | 177.7 | | | | | 3.3 |
| | e Sn | N 05:08:45.2 | | | | | | | |
| WTTA | e Pn | Z 05:08:15.6 | 3.0 | 202.4 | | | | | 3.6 |
| | e Sn | E 05:08:48.3 | | | | | | | |
| KBA | e Pn | Z 05:08:21.0 | 3.5 | 222.8 | | | | | 3.5 |
| OBKA | e Pn | Z 05:08:25.7 | 3.8 | 238.9 | | | | | 4.0 |
| RJOB | e Pn | Z 05:08:26.7 | 3.8 | 211.4 | | | | | 3.6 |
| BFO | e Pn | Z 05:08:27.9 | 4.0 | 162.4 | | | | | 3.5 |
| MOA | e Pn | Z 05:08:35.4 | 4.5 | 222.5 | | | | | 3.5 |
| | e Sn | N 05:09:25.2 | | | | | | | |
| ARSA | e Pn | Z 05:08:38.6 | 4.7 | 236.0 | | | | | 3.5 |
| GEC2 | e Pn | Z 05:08:41.5 | 5.0 | 211.3 | | | | | 3.6 |
| | e Sn | N 05:09:36.1 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/03 | 19:19:53.6 | 37.376N | 44.162E | 33.0N | 4.2 | | | SZGRF |

Turkey-Iran border region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GEC2 | e P | Z 19:25:12.6 | 24.8 | 106.1 | 0.9 | 4 | 4.1 | | |
| WET | e P | Z 19:25:18.2 | 25.4 | 105.8 | 1.2 | 10 | 4.4 | | |
| FBE | e P | Z 19:25:20.4 | 25.6 | 109.9 | 0.9 | 4 | 4.1 | | |
| NKC | e P | Z 19:25:24.4 | 26.0 | 107.4 | 1.0 | 5 | 4.1 | | |
| GUNZ | e P | Z 19:25:25.9 | 26.1 | 107.6 | 1.2 | 6 | 4.1 | | |
| PST | e P | Z 19:25:26.8 | 26.3 | 108.4 | 0.8 | 4 | 4.0 | | |
| GRA1 | e P | Z 19:25:29.1 | 26.6 | 105.0 | 0.6 | 8 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/03 | 22:12:55.2 | 26.471N | 97.553E | 33.0N | 4.8 | | | SZGRF |

Myanmar

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z | 22:23:37.8 | 65.9 | 77.1 | 0.6 | 5 | 4.8 | | |
| FBE | e P | Z | 22:23:39.4 | 66.2 | 76.7 | 1.0 | 6 | 4.7 | | |
| CLL | e P | Z | 22:23:40.4 | 66.4 | 76.6 | 0.6 | 2 | 4.6 | | |
| GEC2 | e P | Z | 22:23:41.7 | 66.5 | 76.0 | 0.7 | 5 | 4.8 | | |
| TANN | e P | Z | 22:23:44.2 | 66.9 | 75.8 | 0.9 | 4 | 4.6 | | |
| WET | e P | Z | 22:23:44.6 | 67.0 | 75.6 | 0.6 | 5 | 4.9 | | |
| WERD | e P | Z | 22:23:44.5 | 67.0 | 75.7 | 0.7 | 4 | 4.8 | | |
| GUNZ | e P | Z | 22:23:44.7 | 67.0 | 75.7 | 0.6 | 5 | 4.9 | | |
| ROTZ | e P | Z | 22:23:46.7 | 67.2 | 75.4 | 0.7 | 8 | 5.1 | | |
| BSEG | e P | Z | 22:23:47.8 | 67.3 | 75.7 | 1.0 | 6 | 4.8 | | |
| RJOB | e P | Z | 22:23:46.7 | 67.4 | 75.0 | 1.0 | 5 | 4.8 | | |
| MOX | e P | Z | 22:23:48.2 | 67.4 | 75.3 | 1.2 | 7 | 4.7 | | |
| NRDL | e P | Z | 22:23:50.5 | 67.8 | 75.0 | 0.8 | 6 | 4.8 | | |
| CLZ | e P | Z | 22:23:50.5 | 67.8 | 74.9 | 0.6 | 10 | 5.2 | | |
| GRA1 | e P | Z | 22:23:50.6 | 67.9 | 74.7 | 0.8 | 4 | 4.7 | | |
| WLF | e P | Z | 22:24:10.5 | 71.0 | 71.2 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|----|----|--------|
| 2008/04/04 | 00:27:43.5 | 3.850N | 94.610E | 26.4 | 5.1 | | | SZGRF |

Off west coast of northern Sumatra, Indonesia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| GEC2 | e P | Z | 00:39:56.8 | 81.1 | 94.3 | 1.2 | 29 | 5.2 | | |
| | e pP | Z | 00:40:04.8 | | | 1.2 | 29 | | | |
| BRG | e P | Z | 00:39:56.7 | 81.1 | 94.8 | 1.2 | 17 | 4.9 | | |
| | e pP | Z | 00:40:04.4 | | | 1.2 | 17 | | | |
| RJOB | e P | Z | 00:40:00.1 | 81.6 | 93.5 | | | | | |
| WET | e P | Z | 00:40:00.0 | 81.7 | 93.7 | 1.3 | 19 | 5.1 | | |
| | e pP | Z | 00:40:08.0 | | | 1.3 | 19 | | | |
| CLL | e P | Z | 00:39:59.7 | 81.8 | 94.2 | 1.3 | 12 | 4.9 | | |
| | e pP | Z | 00:40:07.3 | | | 1.3 | 12 | | | |
| ROTZ | e P | Z | 00:40:02.4 | 82.2 | 93.3 | 1.0 | 7 | 4.8 | | |
| | e pP | Z | 00:40:10.2 | | | 1.0 | 7 | | | |
| MOX | e P | Z | 00:40:04.2 | 82.6 | 93.0 | 1.2 | 12 | 5.0 | | |
| | e pP | Z | 00:40:11.7 | | | 1.2 | 12 | | | |
| GRA1 | e P | Z | 00:40:05.5 | 82.8 | 92.6 | 1.0 | 22 | 5.3 | | |
| | e pP | Z | 00:40:13.5 | | | 1.0 | 22 | | | |
| CLZ | e P | Z | 00:40:08.5 | 83.4 | 92.2 | 1.1 | 15 | 5.1 | | |
| | e pP | Z | 00:40:16.2 | | | 1.1 | 15 | | | |

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| | | | | | | | | |
|------|------|---|------------|------|------|-----|----|-----|
| BSEG | e P | Z | 00:40:10.2 | 83.5 | 92.3 | 1.1 | 14 | 5.1 |
| | e pP | Z | 00:40:17.5 | | | 1.1 | 14 | |
| NRDL | e pP | Z | 00:40:17.2 | 83.6 | 92.0 | 1.3 | 20 | |
| TNS | e P | Z | 00:40:14.5 | 84.6 | 90.5 | 0.8 | 18 | 5.3 |
| BFO | e P | Z | 00:40:15.2 | 84.7 | 90.2 | 1.4 | 12 | 4.9 |
| | e pP | Z | 00:40:22.0 | | | | | |
| IBBN | e P | Z | 00:40:17.1 | 85.0 | 90.1 | 1.2 | 27 | 5.3 |
| | e pP | Z | 00:40:24.9 | | | | | |
| BUG | e P | Z | 00:40:18.4 | 85.3 | 89.7 | 0.7 | 11 | 5.2 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/04 | 00:38:24.7 | 45.570N | 148.620E | 33.0N | 4.6 | | | SZGRF |

Kuril Islands, Russia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BSEG | e P | Z | 00:50:02.4 | 74.4 | 28.9 | 1.0 | 6 | 4.7 | | |
| CLL | e P | Z | 00:50:10.2 | 75.8 | 30.3 | 1.1 | 10 | 4.8 | | |
| BRG | e P | Z | 00:50:10.7 | 75.9 | 30.9 | 1.1 | 4 | 4.3 | | |
| CLZ | e P | Z | 00:50:11.7 | 76.2 | 28.7 | 0.9 | 6 | 4.6 | | |
| MOX | e P | Z | 00:50:15.8 | 76.9 | 29.4 | 1.2 | 4 | 4.2 | | |
| ROTZ | e P | Z | 00:50:19.9 | 77.4 | 29.6 | 1.1 | 5 | 4.4 | | |
| GEC2 | e P | Z | 00:50:20.8 | 77.7 | 30.5 | 0.9 | 3 | 4.4 | | |
| GRA1 | e P | Z | 00:50:21.8 | 77.8 | 29.0 | 1.2 | 13 | 4.8 | | |
| RJOB | e P | Z | 00:50:28.2 | 79.0 | 29.8 | 0.9 | 4 | 4.6 | | |
| STU | e P | Z | 00:50:29.7 | 79.2 | 27.6 | 0.7 | 7 | 4.9 | | |
| BFO | e P | Z | 00:50:32.6 | 79.9 | 27.0 | 1.1 | 8 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/04 | 03:19: 4.8 | 47.090N | 156.160E | 33.0N | 5.2 | 4.3 | | SZGRF |

East of Kuril Islands, Russia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| RGN | e P | Z | 03:30:38.9 | 73.6 | 25.4 | 0.7 | 59 | 5.7 | | |
| BSEG | e P | Z | 03:30:44.8 | 74.9 | 23.3 | 0.9 | 27 | 5.3 | | |
| RUE | e P | Z | 03:30:47.3 | 75.4 | 25.4 | 1.2 | 43 | 5.4 | | |
| NRDL | e P | Z | 03:30:52.3 | 76.3 | 23.0 | 1.0 | 18 | 5.2 | | |
| CLL | e P | Z | 03:30:54.0 | 76.6 | 24.8 | 1.0 | 27 | 5.3 | | |
| BRG | e P | Z | 03:30:54.8 | 76.8 | 25.4 | 1.1 | 14 | 5.0 | | |
| CLZ | e P | Z | 03:30:55.9 | 76.8 | 23.2 | 1.2 | 44 | 5.5 | | |
| FBE | e P | Z | 03:30:55.8 | 76.9 | 25.0 | 0.9 | 18 | 5.2 | | |
| IBBN | e P | Z | 03:30:56.5 | 77.0 | 21.5 | 1.1 | 40 | 5.5 | | |
| TANN | e P | Z | 03:30:59.9 | 77.6 | 24.4 | 0.9 | 6 | 4.7 | | |
| MOX | e P | Z | 03:30:59.9 | 77.6 | 23.9 | 0.8 | 10 | 5.0 | | |
| WERD | e P | Z | 03:30:59.9 | 77.6 | 24.3 | 1.2 | 12 | 4.9 | | |
| GUNZ | e P | Z | 03:31:00.4 | 77.7 | 24.3 | 0.9 | 18 | 5.2 | | |

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| | | | | | | | | | |
|------|-----|---|------------|------|------|------|-----|-----|-----|
| WERN | e P | Z | 03:31:00.9 | 77.7 | 24.3 | 0.7 | 19 | 5.3 | |
| BUG | e P | Z | 03:31:01.5 | 77.9 | 21.1 | 1.0 | 20 | 5.2 | |
| ROTZ | e P | Z | 03:31:04.0 | 78.3 | 24.2 | 1.1 | 14 | 4.9 | |
| GRA1 | e P | Z | 03:31:05.8 | 78.6 | 23.5 | 0.9 | 40 | 5.4 | |
| | e L | Z | 04:08:36.4 | | | 19.9 | 134 | | 4.3 |
| WET | e P | Z | 03:31:06.1 | 78.6 | 24.5 | 0.9 | 22 | 5.2 | |
| GEC2 | e P | Z | 03:31:05.9 | 78.7 | 25.0 | 0.9 | 11 | 4.9 | |
| TNS | e P | Z | 03:31:06.7 | 78.8 | 21.8 | 0.8 | 31 | 5.4 | |
| STU | e P | Z | 03:31:13.1 | 79.9 | 22.1 | 0.7 | 13 | 4.9 | |
| RJOB | e P | Z | 03:31:13.3 | 79.9 | 24.4 | 1.0 | 17 | 4.9 | |
| FUR | e P | Z | 03:31:13.2 | 80.0 | 23.4 | 0.9 | 38 | 5.3 | |
| BFO | e P | Z | 03:31:16.2 | 80.6 | 21.6 | 1.1 | 16 | 5.0 | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/04 04:02:57.5 17.540S 173.560W 33.0 5.3 SZGRF
 Tonga Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|-------|------|-------|----|-----|----|
| NRDL | e PKPbc | Z 04:22:27.4 | 144.9 | 6.1 | | | | | |
| IBBN | e PKPbc | Z 04:22:29.1 | 145.2 | 2.2 | | | | | |
| CLZ | e PKPbc | Z 04:22:30.1 | 145.6 | 6.6 | | | | | |
| CLL | e PKPbc | Z 04:22:31.4 | 145.8 | 11.2 | | | | | |
| BUG | e PKPbc | Z 04:22:31.3 | 146.1 | 1.4 | | | | | |
| BRG | e PKPbc | Z 04:22:31.6 | 146.1 | 12.9 | | | | | |
| MOX | e PKPbc | Z 04:22:32.7 | 146.6 | 9.0 | | | | | |
| TANN | e PKPbc | Z 04:22:33.4 | 146.8 | 10.5 | | | | | |
| TNS | e PKPbc | Z 04:22:34.9 | 147.3 | 3.5 | | | | | |
| ROTZ | e PKPbc | Z 04:22:36.1 | 147.4 | 10.3 | | | | | |
| GRA1 | e PKPbc | Z 04:22:36.2 | 147.6 | 8.5 | | | | | |
| | e PP | Z 04:26:02.5 | | | | | | | |
| | e L | Z 05:32:19.8 | | | 19.4 | 505 | | 5.3 | |
| WLF | e PKPbc | Z 04:22:37.3 | 147.9 | 359.5 | | | | | |
| WET | e PKPbc | Z 04:22:37.6 | 148.0 | 11.6 | | | | | |
| | e PP | Z 04:26:06.7 | | | | | | | |
| GEC2 | e PKPbc | Z 04:22:37.4 | 148.1 | 13.2 | | | | | |
| | e PP | Z 04:26:06.8 | | | | | | | |
| STU | e PKPbc | Z 04:22:39.6 | 148.7 | 5.1 | | | | | |
| FUR | e PKPbc | Z 04:22:40.9 | 149.1 | 9.0 | | | | | |
| BFO | e PKPbc | Z 04:22:40.7 | 149.2 | 3.5 | | | | | |
| RJOB | e PKPbc | Z 04:22:41.5 | 149.4 | 12.0 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/04 10:01:56.1 37.340N 138.300E 57.0 4.9 SZGRF
 Near west coast of eastern Honshu, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| BSEG | e P | Z 10:13:56.1 | 78.3 | 39.8 | 1.0 | 13 | 4.9 | | |
| BRG | e P | Z 10:14:00.7 | 79.2 | 41.9 | 1.1 | 8 | 4.7 | | |
| CLL | e P | Z 10:14:00.9 | 79.3 | 41.3 | 1.1 | 20 | 5.0 | | |
| NRDL | e P | Z 10:14:02.2 | 79.5 | 39.5 | 1.0 | 7 | 4.5 | | |
| | e pP | Z 10:14:18.0 | | | | | | | |
| CLZ | e P | Z 10:14:04.6 | 79.9 | 39.6 | 1.2 | 17 | 4.9 | | |
| | e pP | Z 10:14:20.6 | | | | | | | |
| TANN | e P | Z 10:14:05.7 | 80.2 | 40.9 | 1.5 | 14 | 4.6 | | |
| MOX | e P | Z 10:14:06.3 | 80.3 | 40.3 | 1.1 | 7 | 4.6 | | |
| IBBN | e P | Z 10:14:07.6 | 80.6 | 37.8 | 0.6 | 12 | 5.1 | | |
| ROTZ | e P | Z 10:14:09.1 | 80.8 | 40.6 | 1.2 | 12 | 4.8 | | |
| | e pP | Z 10:14:25.5 | | | | | | | |
| GEC2 | e P | Z 10:14:09.2 | 80.8 | 41.5 | 1.1 | 6 | 4.5 | | |
| WET | e P | Z 10:14:09.7 | 80.9 | 41.0 | 1.4 | 8 | 4.5 | | |
| | e pP | Z 10:14:26.5 | | | | | | | |
| GRA1 | e P | Z 10:14:11.7 | 81.2 | 39.9 | 1.0 | 21 | 5.2 | | |
| | e pP | Z 10:14:27.2 | | | | | | | |
| BUG | e P | Z 10:14:13.4 | 81.4 | 37.3 | 0.4 | 29 | 5.8 | | |
| RJOB | e P | Z 10:14:16.0 | 82.0 | 40.8 | 1.0 | 8 | 4.8 | | |
| FUR | e P | Z 10:14:17.8 | 82.4 | 39.8 | 0.9 | 24 | 5.5 | | |
| BFO | e P | Z 10:14:22.6 | 83.5 | 37.8 | 1.0 | 12 | 5.1 | | |
| | e pP | Z 10:14:38.7 | | | | | | | |

Date 2008/04/04
Origin Time 12:12: 3.1
Guatemala

Lat 14.379N
Long 90.190W
Depth 110.9
mb 4.9
Ms
ML
Source SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| TNS | e pP | Z 12:24:50.7 | 84.4 | 285.8 | | | | | |
| BSEG | e P | Z 12:24:22.7 | 84.4 | 286.9 | 0.9 | 10 | 4.9 | | |
| | e pP | Z 12:24:51.4 | | | | | | | |
| NRDL | e P | Z 12:24:23.7 | 84.7 | 286.8 | 1.3 | 8 | 4.7 | | |
| | e pP | Z 12:24:52.6 | | | | | | | |
| BFO | e P | Z 12:24:24.2 | 84.8 | 285.9 | 1.7 | 12 | 4.9 | | |
| | e pP | Z 12:24:53.6 | | | | | | | |
| CLZ | e P | Z 12:24:26.7 | 85.1 | 287.1 | 0.7 | 8 | 5.0 | | |
| | e pP | Z 12:24:54.6 | | | | | | | |
| GRA1 | e P | Z 12:24:32.3 | 86.3 | 287.9 | 0.7 | 8 | 5.0 | | |
| ROTZ | e pP | Z 12:25:02.4 | 86.8 | 288.6 | | | | | |

Date 2008/04/04
Origin Time 13:30:14.1
Kuril Islands, Russia

Lat 44.480N
Long 147.110E
Depth 33.0N
mb 5.2
Ms 4.4
ML
Source SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|-----|----|
| BSEG | e P | Z | 13:41:53.3 | 74.9 | 30.4 | 1.1 | 23 | 5.1 | | |
| RUE | e P | Z | 13:41:54.4 | 75.1 | 32.5 | 0.7 | 24 | 5.3 | | |
| CLL | e P | Z | 13:42:00.9 | 76.3 | 31.8 | 0.6 | 24 | 5.5 | | |
| BRG | e P | Z | 13:42:01.3 | 76.4 | 32.4 | 1.0 | 7 | 4.8 | | |
| FBE | e P | Z | 13:42:02.5 | 76.5 | 32.0 | 0.7 | 14 | 5.2 | | |
| CLZ | e P | Z | 13:42:03.7 | 76.7 | 30.2 | 0.7 | 18 | 5.3 | | |
| IBBN | e P | Z | 13:42:05.6 | 77.1 | 28.5 | 0.7 | 30 | 5.5 | | |
| TANN | e P | Z | 13:42:06.2 | 77.3 | 31.4 | 0.8 | 5 | 4.7 | | |
| WERD | e P | Z | 13:42:06.6 | 77.3 | 31.3 | 0.8 | 9 | 5.0 | | |
| MOX | e P | Z | 13:42:06.6 | 77.3 | 30.8 | 0.8 | 11 | 5.0 | | |
| GUNZ | e P | Z | 13:42:07.0 | 77.4 | 31.3 | 0.7 | 12 | 5.1 | | |
| WERN | e P | Z | 13:42:07.4 | 77.4 | 31.3 | 0.5 | 15 | 5.3 | | |
| ROTZ | e P | Z | 13:42:10.1 | 77.9 | 31.1 | 0.8 | 11 | 5.1 | | |
| BUG | e P | Z | 13:42:10.0 | 78.0 | 28.1 | 1.0 | 25 | 5.3 | | |
| GEC2 | e P | Z | 13:42:11.5 | 78.2 | 32.0 | 0.6 | 11 | 5.0 | | |
| WET | e P | Z | 13:42:12.1 | 78.2 | 31.5 | 0.8 | 20 | 5.2 | | |
| GRA1 | e P | Z | 13:42:12.4 | 78.3 | 30.5 | 0.7 | 38 | 5.5 | | |
| | e L | Z | 14:18:25.2 | | | 20.2 | 184 | | 4.4 | |
| TNS | e P | Z | 13:42:14.3 | 78.7 | 28.7 | 1.1 | 36 | 5.3 | | |
| RJOB | e P | Z | 13:42:18.5 | 79.4 | 31.3 | 0.8 | 15 | 5.0 | | |
| FUR | e P | Z | 13:42:19.4 | 79.6 | 30.4 | 0.6 | 40 | 5.5 | | |
| STU | e P | Z | 13:42:20.1 | 79.7 | 29.1 | 0.9 | 34 | 5.3 | | |
| WLF | e P | Z | 13:42:22.0 | 79.9 | 27.2 | 1.0 | 22 | 5.0 | | |
| BFO | e P | Z | 13:42:23.2 | 80.4 | 28.5 | 0.9 | 20 | 5.1 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/04 20:29:29.9 2.757N 94.970E 33.0N 4.7 4.2
 Off west coast of northern Sumatera, Indonesia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|-----|----|
| GRA1 | e P | Z | 20:41:56.6 | 83.9 | 93.0 | 1.2 | 6 | 4.7 | | |
| | e S | T | 20:52:15.5 | | | | | | | |
| | e L | Z | 21:26:22.1 | | | 18.4 | 104 | | 4.2 | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/04 21:10:40.9 20.195S 169.955E 33.0N
 Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 21:30:06.3 | 142.8 | 32.7 | | | | | |
| BRG | e PKPbc | Z | 21:30:10.4 | 144.0 | 40.5 | | | | | |
| CLL | e PKPbc | Z | 21:30:10.3 | 144.0 | 38.7 | | | | | |
| NRDL | e PKPbc | Z | 21:30:10.6 | 144.1 | 33.5 | | | | | |
| FBE | e PKPbc | Z | 21:30:11.1 | 144.2 | 39.6 | | | | | |

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Thu Apr 23 08:38:25 2020

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| CLZ | e | PKPbc | Z | 21:30:12.8 | 144.6 | 34.4 |
| PST | e | PKPbc | Z | 21:30:12.7 | 144.7 | 38.0 |
| TANN | e | PKPbc | Z | 21:30:13.7 | 144.9 | 38.7 |
| WERD | e | PKPbc | Z | 21:30:13.6 | 145.0 | 38.5 |
| PLN | e | PKPbc | Z | 21:30:13.6 | 145.0 | 38.2 |
| GUNZ | e | PKPbc | Z | 21:30:13.7 | 145.0 | 38.6 |
| IBBN | e | PKPbc | Z | 21:30:13.9 | 145.0 | 30.1 |
| WERN | e | PKPbc | Z | 21:30:14.9 | 145.1 | 38.7 |
| MOX | e | PKPbc | Z | 21:30:13.1 | 145.1 | 37.3 |
| ROTZ | e | PKPbc | Z | 21:30:15.5 | 145.5 | 38.9 |
| GEC2 | e | PKPbc | Z | 21:30:15.6 | 145.6 | 42.0 |
| WET | e | PKPbc | Z | 21:30:15.7 | 145.7 | 40.5 |
| GRA1 | e | PKPbc | Z | 21:30:16.8 | 146.0 | 37.5 |
| RJOB | e | PKPbc | Z | 21:30:18.8 | 146.8 | 41.8 |
| WLF | e | PKPbc | Z | 21:30:22.3 | 147.8 | 29.5 |
| BFO | e | PKPbc | Z | 21:30:22.4 | 148.2 | 34.2 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/05 | 18:56: 7.0 | 49.984N | 100.415E | 33.0N | 4.6 | | | SZGRF |
| Mongolia | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z 19:05:13.4 | 51.8 | 54.8 | 0.9 | 8 | 4.6 | | |
| CLZ | e P | Z 19:05:20.3 | 53.0 | 53.6 | 0.8 | 6 | 4.6 | | |
| MOX | e P | Z 19:05:20.6 | 53.1 | 53.5 | 0.9 | 6 | 4.5 | | |
| ROTZ | e P | Z 19:05:23.2 | 53.3 | 53.3 | 1.3 | 9 | 4.6 | | |
| WET | e P | Z 19:05:24.8 | 53.3 | 53.2 | 1.0 | 4 | 4.4 | | |
| GRA1 | e P | Z 19:05:27.1 | 53.9 | 52.8 | 0.9 | 7 | 4.7 | | |
| IBBN | e P | Z 19:05:26.4 | 54.0 | 52.6 | 1.0 | 12 | 4.9 | | |
| BFO | e P | Z 19:05:45.5 | 56.2 | 50.7 | 1.3 | 10 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/06 | 02:36:33.7 | 34.700N | 25.300E | 10.0 | 4.3 | | | GSRC |
| Crete, Greece | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GEC2 | e P | Z 02:40:21.1 | 16.5 | 144.5 | 0.7 | 28 | 4.5 | | |
| FUR | e P | Z 02:40:26.7 | 17.0 | 137.1 | 0.9 | 32 | 4.5 | | |
| WET | e P | Z 02:40:27.2 | 17.1 | 143.0 | 0.9 | 27 | 4.4 | | |
| | e pP | Z 02:40:37.6 | | | | | | | |
| BRG | e P | Z 02:40:38.2 | 18.1 | 148.7 | 1.0 | 7 | 3.8 | | |
| | e pP | Z 02:40:49.3 | | | | | | | |
| GRA1 | e P | Z 02:40:38.9 | 18.2 | 140.2 | 0.9 | 32 | 4.4 | | |
| | e pP | Z 02:40:50.2 | | | | | | | |
| TANN | e P | Z 02:40:40.9 | 18.3 | 144.4 | 1.1 | 21 | 4.2 | | |

| | | | | | | | | | |
|------|------|---|------------|------|-------|-----|----|-----|--|
| | e pP | Z | 02:40:50.7 | | | | | | |
| STU | e pP | Z | 02:40:52.1 | 18.4 | 133.8 | | | | |
| MOX | e P | Z | 02:40:46.2 | 18.8 | 142.8 | 0.8 | 10 | 4.1 | |
| CLL | e P | Z | 02:40:45.8 | 18.8 | 147.1 | 1.0 | 9 | 3.9 | |
| CLZ | e P | Z | 02:41:00.9 | 20.2 | 142.2 | 0.7 | 12 | 4.2 | |
| | e pP | Z | 02:41:11.1 | | | | | | |
| NRDL | e P | Z | 02:41:07.1 | 20.8 | 142.7 | 0.8 | 12 | 4.3 | |
| | e pP | Z | 02:41:17.9 | | | | | | |
| BUG | e P | Z | 02:41:11.0 | 21.2 | 135.2 | 1.0 | 22 | 4.4 | |
| BSEG | e P | Z | 02:41:18.5 | 21.9 | 145.3 | 1.5 | 36 | 4.6 | |
| | e pP | Z | 02:41:28.6 | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/06 07:23:21.9 51.510N 179.710E 33.0N 5.0 4.4
 Rat Islands, Aleutian Islands, United States

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-----|------|-------|-----|-----|----|
| BSEG | e P | Z | 07:34:58.2 | 74.2 | 6.8 | 0.9 | 31 | 5.4 | | |
| NRDL | e P | Z | 07:35:06.1 | 75.6 | 6.7 | 0.9 | 7 | 4.8 | | |
| IBBN | e P | Z | 07:35:08.6 | 76.0 | 5.2 | 0.9 | 47 | 5.6 | | |
| CLZ | e P | Z | 07:35:10.1 | 76.3 | 6.8 | 0.7 | 18 | 5.3 | | |
| CLL | e P | Z | 07:35:10.9 | 76.6 | 8.5 | 0.9 | 8 | 4.8 | | |
| BUG | e P | Z | 07:35:12.6 | 76.9 | 4.8 | 0.8 | 11 | 5.1 | | |
| BRG | e P | Z | 07:35:13.4 | 76.9 | 9.0 | 0.6 | 5 | 4.8 | | |
| MOX | e P | Z | 07:35:15.6 | 77.3 | 7.6 | 0.8 | 9 | 4.9 | | |
| TANN | e P | Z | 07:35:16.6 | 77.5 | 8.1 | 0.6 | 4 | 4.7 | | |
| TNS | e P | Z | 07:35:19.5 | 78.0 | 5.5 | 0.7 | 27 | 5.5 | | |
| ROTZ | e P | Z | 07:35:20.5 | 78.2 | 7.9 | 1.5 | 14 | 4.8 | | |
| GRA1 | e P | Z | 07:35:21.4 | 78.3 | 7.3 | 0.6 | 18 | 5.3 | | |
| | e L | Z | 08:13:49.7 | | | 21.2 | 198 | | 4.4 | |
| WET | e P | Z | 07:35:23.9 | 78.7 | 8.3 | 0.9 | 5 | 4.5 | | |
| GEC2 | e P | Z | 07:35:24.4 | 78.9 | 8.8 | 0.9 | 5 | 4.5 | | |
| STU | e P | Z | 07:35:26.9 | 79.4 | 6.0 | 0.7 | 9 | 4.8 | | |
| BFO | e P | Z | 07:35:29.6 | 79.9 | 5.4 | 0.7 | 10 | 4.8 | | |
| RJOB | e P | Z | 07:35:31.6 | 80.1 | 8.2 | 0.7 | 8 | 4.8 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/06 11:14:32.3 53.770N 170.400W 33.0N 5.2 4.6
 Fox Islands, Aleutian Islands, United States

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| BSEG | e P | Z | 11:25:57.8 | 72.3 | 0.4 | 1.6 | 48 | 5.4 | | |
| NRDL | e P | Z | 11:26:05.7 | 73.7 | 0.3 | 1.5 | 28 | 5.1 | | |
| IBBN | e P | Z | 11:26:07.0 | 73.9 | 358.9 | 0.8 | 16 | 5.1 | | |
| CLZ | e P | Z | 11:26:10.2 | 74.4 | 0.5 | 1.6 | 41 | 5.2 | | |

| | | | | | | | | | | |
|------|-----|---|------------|------|-------|------|-----|-----|-----|--|
| BUG | e P | Z | 11:26:11.5 | 74.8 | 358.6 | 0.6 | 12 | 5.1 | | |
| CLL | e P | Z | 11:26:12.1 | 74.9 | 2.1 | 1.3 | 17 | 4.9 | | |
| BRG | e P | Z | 11:26:14.6 | 75.3 | 2.7 | 1.4 | 34 | 5.3 | | |
| MOX | e P | Z | 11:26:16.4 | 75.6 | 1.2 | 1.0 | 14 | 5.0 | | |
| TANN | e P | Z | 11:26:17.9 | 75.8 | 1.7 | 1.3 | 16 | 5.0 | | |
| TNS | e P | Z | 11:26:19.0 | 76.0 | 359.3 | 0.9 | 15 | 5.1 | | |
| ROTZ | e P | Z | 11:26:21.8 | 76.4 | 1.6 | 1.5 | 20 | 5.0 | | |
| WLF | e P | Z | 11:26:22.0 | 76.5 | 357.9 | 1.2 | 25 | 5.2 | | |
| GRA1 | e P | Z | 11:26:22.2 | 76.5 | 1.0 | 1.1 | 33 | 5.4 | | |
| | e L | Z | 12:12:04.1 | | | 18.3 | 276 | | 4.6 | |
| WET | e P | Z | 11:26:25.0 | 77.0 | 2.0 | 1.5 | 19 | 5.0 | | |
| GEC2 | e P | Z | 11:26:26.2 | 77.3 | 2.5 | 1.6 | 30 | 5.2 | | |
| STU | e P | Z | 11:26:27.3 | 77.5 | 359.8 | 1.9 | 72 | 5.5 | | |
| BFO | e P | Z | 11:26:29.3 | 77.9 | 359.2 | 1.9 | 58 | 5.4 | | |
| FUR | e P | Z | 11:26:31.1 | 78.1 | 1.0 | 1.3 | 27 | 5.2 | | |
| RJOB | e P | Z | 11:26:32.5 | 78.5 | 1.9 | 1.0 | 10 | 4.8 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/06 14:12: 8.6 55.009N 152.625W 33.0N 4.7
 South of Alaska

| | | | | | | | | | |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| GRA1 | e P | Z 14:23:43.9 | 74.4 | 350.5 | 1.6 | 12 | 4.7 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/06 18:48:13.8 20.101S 170.171E 33.0N
 Vanuatu Islands

| | | | | | | | | | |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| BRG | e PKPbc | Z 19:07:42.7 | 144.0 | 40.1 | | | | | |
| CLL | e PKPbc | Z 19:07:43.3 | 144.0 | 38.3 | | | | | |
| CLZ | e PKPbc | Z 19:07:44.4 | 144.6 | 34.0 | | | | | |
| TANN | e PKPbc | Z 19:07:46.7 | 144.9 | 38.3 | | | | | |
| IBBN | e PKPbc | Z 19:07:46.7 | 145.0 | 29.7 | | | | | |
| MOX | e PKPbc | Z 19:07:46.6 | 145.1 | 36.9 | | | | | |
| ROTZ | e PKPbc | Z 19:07:48.2 | 145.5 | 38.5 | | | | | |
| GEC2 | e PKPbc | Z 19:07:48.4 | 145.6 | 41.6 | | | | | |
| WET | e PKPbc | Z 19:07:48.8 | 145.8 | 40.1 | | | | | |
| BUG | e PKPbc | Z 19:07:49.4 | 145.9 | 29.5 | | | | | |
| GRA1 | e PKPbc | Z 19:07:49.7 | 146.0 | 37.1 | | | | | |
| TNS | e PKPbc | Z 19:07:51.9 | 146.6 | 32.3 | | | | | |
| RJOB | e PKPbc | Z 19:07:52.1 | 146.9 | 41.4 | | | | | |
| FUR | e PKPbc | Z 19:07:53.2 | 147.2 | 38.6 | | | | | |
| STU | e PKPbc | Z 19:07:54.5 | 147.5 | 34.8 | | | | | |
| WLF | e PKPbc | Z 19:07:56.0 | 147.8 | 29.0 | | | | | |

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BFO e PKPbc Z 19:07:55.6 148.2 33.7

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/07 22:54:39.8 20.289S 169.739E 33.0G 5.5 SZGRF
Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|-----|----|
| BRG | e PKPbc | Z | 23:14:07.7 | 144.0 | 40.8 | | | | | |
| CLL | e PKPbc | Z | 23:14:07.9 | 144.0 | 39.1 | | | | | |
| CLZ | e PKPbc | Z | 23:14:10.5 | 144.6 | 34.8 | | | | | |
| TANN | e PKPbc | Z | 23:14:11.1 | 144.9 | 39.1 | | | | | |
| IBBN | e PKPbc | Z | 23:14:11.5 | 145.1 | 30.4 | | | | | |
| MOX | e PKPbc | Z | 23:14:11.5 | 145.1 | 37.6 | | | | | |
| ROTZ | e PKPbc | Z | 23:14:13.4 | 145.5 | 39.3 | | | | | |
| UBBA | e PKPbc | Z | 23:14:13.0 | 145.6 | 35.1 | | | | | |
| GEC2 | e PKPbc | Z | 23:14:13.4 | 145.6 | 42.4 | | | | | |
| WET | e PKPbc | Z | 23:14:13.5 | 145.7 | 40.9 | | | | | |
| BUG | e PKPbc | Z | 23:14:14.4 | 146.0 | 30.3 | | | | | |
| GRA1 | e PKPbc | Z | 23:14:15.4 | 146.0 | 37.9 | | | | | |
| | e SS | T | 23:36:36.9 | | | | | | | |
| TNS | e PKPbc | Z | 23:14:16.9 | 146.6 | 33.1 | | | | | |
| RJOB | e PKPbc | Z | 23:14:16.8 | 146.8 | 42.2 | | | | | |
| FUR | e PKPbc | Z | 23:14:18.7 | 147.2 | 39.4 | | | | | |
| STU | e PKPbc | Z | 23:14:19.4 | 147.5 | 35.6 | | | | | |
| WLF | e PKPbc | Z | 23:14:20.8 | 147.9 | 29.9 | | | | | |
| BFO | e PKPbc | Z | 23:14:21.2 | 148.2 | 34.6 | | | | | |
| GRA1 | e L | Z | 00:32:53.9 | 146.0 | 37.9 | 18.8 | 779 | | 5.5 | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/07 05:49:38.3 19.360S 177.250W 33.0G SZGRF
Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 06:09:10.6 | 144.9 | 12.5 | | | | | |
| NRDL | e PKPbc | Z | 06:09:14.6 | 146.4 | 12.6 | | | | | |
| CLZ | e PKPbc | Z | 06:09:16.9 | 147.0 | 13.3 | | | | | |
| CLL | e PKPbc | Z | 06:09:17.3 | 147.0 | 18.0 | | | | | |
| BRG | e PKPbc | Z | 06:09:17.8 | 147.3 | 19.8 | | | | | |
| FBE | e PKPbc | Z | 06:09:18.4 | 147.3 | 18.8 | | | | | |
| PST | e PKPbc | Z | 06:09:19.0 | 147.6 | 16.9 | | | | | |
| BUG | e PKPab | Z | 06:09:21.1 | 147.7 | 8.0 | | | | | |
| MOX | e PKPbc | Z | 06:09:19.8 | 147.9 | 15.9 | | | | | |
| PLN | e PKPbc | Z | 06:09:20.0 | 148.0 | 16.9 | | | | | |
| WERD | e PKPbc | Z | 06:09:20.2 | 148.0 | 17.2 | | | | | |
| TANN | e PKPbc | Z | 06:09:19.9 | 148.0 | 17.5 | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| GUNZ | e | PKPbc | Z | 06:09:20.3 | 148.1 | 17.3 |
| WERN | e | PKPbc | Z | 06:09:20.9 | 148.1 | 17.4 |
| NKC | e | PKPbc | Z | 06:09:20.6 | 148.2 | 17.5 |
| ROTZ | e | PKPbc | Z | 06:09:22.1 | 148.7 | 17.3 |
| TNS | e | PKPbc | Z | 06:09:22.2 | 148.8 | 10.4 |
| | e | PKPab | Z | 06:09:25.5 | | |
| GRA1 | e | PKPbc | Z | 06:09:22.8 | 148.9 | 15.6 |
| WET | e | PKPbc | Z | 06:09:24.5 | 149.1 | 18.9 |
| | e | PKPab | Z | 06:09:27.3 | | |
| GEC2 | e | PKPbc | Z | 06:09:23.3 | 149.2 | 20.5 |
| WLF | e | PKPbc | Z | 06:09:25.1 | 149.6 | 6.3 |
| | e | PKPab | Z | 06:09:29.6 | | |
| RJOB | e | PKPab | Z | 06:09:33.2 | 150.5 | 19.5 |
| BFO | e | PKPbc | Z | 06:09:27.0 | 150.7 | 10.8 |
| | e | PKPab | Z | 06:09:33.2 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|----|----|----|--------|
| 2008/04/07 | 10:09:14.6 | 41.357N | 19.857E | 10.0G | | | | SZGRF |
| Albania | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|----|----|----|
| OBKA | e Pn | Z | 10:10:48.7 | 6.4 | 141.6 | | | | | |
| ARSA | e Pn | Z | 10:10:49.4 | 6.7 | 150.7 | | | | | |
| | e Sn | E | 10:11:59.5 | | | | | | | |
| KBA | e Pn | Z | 10:11:02.0 | 7.4 | 138.5 | | | | | |
| MOA | e Pn | Z | 10:11:04.1 | 7.6 | 146.5 | | | | | |
| | e Sn | Z | 10:12:25.6 | | | | | | | |
| RJOB | e Pn | Z | 10:11:12.5 | 8.1 | 139.2 | | | | | |
| | e Sn | N | 10:12:39.6 | | | | | | | |
| WTTA | e Pn | Z | 10:11:15.7 | 8.3 | 132.2 | | | | | |
| GEC2 | e Pn | Z | 10:11:18.6 | 8.7 | 147.6 | | | | | |
| | e Sn | N | 10:12:51.0 | | | | | | | |
| WET | e Pn | Z | 10:11:26.6 | 9.2 | 145.2 | | | | | |
| | e Sn | E | 10:13:04.7 | | | | | | | |
| TANN | e Pn | Z | 10:11:42.7 | 10.4 | 147.7 | | | | | |
| | e Sn | E | 10:13:31.0 | | | | | | | |
| BFO | e Pn | Z | 10:11:45.9 | 10.7 | 126.3 | | | | | |
| | e Sn | E | 10:13:36.6 | | | | | | | |
| PST | e Sn | N | 10:13:40.3 | 10.9 | 148.2 | | | | | |
| MOX | e Sn | E | 10:13:43.0 | 10.9 | 145.3 | | | | | |
| TNS | e Pn | Z | 10:12:03.2 | 11.9 | 133.9 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-------------------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/07 | 22:09:38.3 | 43.940N | 148.238E | 33.0N | 4.6 | | | SZGRF |
| East of Kuril Islands, Russia | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| CLL | e P | Z | 22:21:27.0 | 77.2 | 31.3 | 0.8 | 6 | 4.8 | | |
| FBE | e P | Z | 22:21:29.8 | 77.4 | 31.5 | 0.9 | 4 | 4.6 | | |
| MOX | e P | Z | 22:21:34.2 | 78.2 | 30.3 | 1.3 | 5 | 4.4 | | |
| GUNZ | e P | Z | 22:21:34.5 | 78.2 | 30.8 | 1.0 | 5 | 4.5 | | |
| WERN | e P | Z | 22:21:34.4 | 78.3 | 30.8 | 1.0 | 5 | 4.5 | | |
| WET | e P | Z | 22:21:39.5 | 79.1 | 31.0 | 1.1 | 7 | 4.6 | | |
| GRA1 | e P | Z | 22:21:40.1 | 79.1 | 30.0 | 1.2 | 18 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/07 | 23:51: 8.1 | 77.670N | 11.950E | 24.1 | 4.9 | | | SZGRF |

Svalbard, Norway, region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| BSEG | e P | Z | 23:56:18.7 | 23.7 | 0.9 | 1.1 | 61 | 5.0 | | |
| BUG | e P | Z | 23:56:41.6 | 26.3 | 2.3 | 1.3 | 68 | 5.1 | | |
| BRG | e P | Z | 23:56:46.0 | 26.8 | 359.1 | 1.6 | 28 | 4.8 | | |
| MOX | e P | Z | 23:56:48.0 | 27.0 | 0.2 | 1.7 | 63 | 5.1 | | |
| TANN | e P | Z | 23:56:50.6 | 27.3 | 359.8 | 1.5 | 32 | 4.8 | | |
| ROTZ | e P | Z | 23:56:56.2 | 27.9 | 359.9 | 1.5 | 23 | 4.8 | | |
| GRA1 | e P | Z | 23:56:56.8 | 28.0 | 0.3 | 1.4 | 31 | 4.9 | | |
| | e pP | Z | 23:57:02.9 | | | | | | | |
| WET | e P | Z | 23:57:02.1 | 28.5 | 359.6 | 1.5 | 16 | 4.6 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/08 | 01:51:36.0 | 26.190S | 177.840W | 177.9 | | | | SZGRF |

South of Fiji Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 02:11:09.1 | 151.6 | 15.5 | | | | | |
| | e pPKPbc | Z | 02:11:54.8 | | | | | | | |
| NRDL | e PKPbc | Z | 02:11:11.8 | 153.0 | 15.9 | | | | | |
| | e pPKPbc | Z | 02:11:57.7 | | | | | | | |
| IBBN | e PKPbc | Z | 02:11:13.9 | 153.5 | 11.3 | | | | | |
| | e PKPab | Z | 02:11:26.6 | | | | | | | |
| CLL | e PKPbc | Z | 02:11:13.3 | 153.6 | 22.3 | | | | | |
| | e PKPab | Z | 02:11:26.3 | | | | | | | |
| | e pPKPbc | Z | 02:11:58.7 | | | | | | | |
| CLZ | e PKPab | Z | 02:11:27.0 | 153.6 | 16.8 | | | | | |
| BRG | e PKPbc | Z | 02:11:13.8 | 153.7 | 24.5 | | | | | |
| | e PKPab | Z | 02:11:27.0 | | | | | | | |
| | e pPKPbc | Z | 02:11:59.9 | | | | | | | |
| BUG | e PKPab | Z | 02:11:30.2 | 154.5 | 10.7 | | | | | |
| MOX | e PKPab | Z | 02:11:30.2 | 154.5 | 20.0 | | | | | |

| | | | | | | | | | |
|------|----------|---|------------|-------|------|--|--|--|--|
| | e pPKPbc | Z | 02:12:02.4 | | | | | | |
| TANN | e PKPab | Z | 02:11:30.4 | 154.5 | 21.9 | | | | |
| UBBA | e pPKPbc | Z | 02:12:02.5 | 154.7 | 16.6 | | | | |
| ROTZ | e PKPab | Z | 02:11:33.0 | 155.2 | 21.9 | | | | |
| GRA1 | e PKPab | Z | 02:11:34.5 | 155.5 | 19.9 | | | | |
| WET | e PKPab | Z | 02:11:35.4 | 155.6 | 23.8 | | | | |
| GEC2 | e PKPab | Z | 02:11:35.9 | 155.6 | 25.8 | | | | |
| WLF | e PKPab | Z | 02:11:38.5 | 156.3 | 9.0 | | | | |
| STU | e PKPab | Z | 02:11:40.8 | 156.8 | 16.2 | | | | |
| RJOB | e PKPab | Z | 02:11:42.0 | 156.9 | 25.0 | | | | |
| FUR | e PKPab | Z | 02:11:40.3 | 156.9 | 21.2 | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/08 02:41:32.8 15.000S 175.000W 35.0 NEIC
 Tonga Islands

| | | | | | | | | | | |
|------|-------|---|------------|-------|------|------|-------|----|----|----|
| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| GRA1 | e PKP | Z | 03:01:02.5 | 144.9 | 10.5 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/08 09:17:29.9 20.980S 179.040W 627.0 SZGRF
 Fiji Islands region

| | | | | | | | | | | |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| BSEG | e PKPbc | Z | 09:36:01.4 | 146.3 | 15.9 | | | | | |
| NRDL | e PKPbc | Z | 09:36:04.8 | 147.7 | 16.1 | | | | | |
| | e pPKPbc | Z | 09:38:25.9 | | | | | | | |
| IBBN | e PKPbc | Z | 09:36:06.4 | 148.2 | 12.1 | | | | | |
| | e pPKPbc | Z | 09:38:28.2 | | | | | | | |
| CLL | e PKPbc | Z | 09:36:06.3 | 148.2 | 21.7 | | | | | |
| | e PKPab | Z | 09:36:11.6 | | | | | | | |
| | e pPKPbc | Z | 09:38:27.3 | | | | | | | |
| CLZ | e PKPbc | Z | 09:36:06.4 | 148.3 | 16.9 | | | | | |
| | e pPKPbc | Z | 09:38:28.0 | | | | | | | |
| BRG | e PKPbc | Z | 09:36:07.0 | 148.4 | 23.6 | | | | | |
| BUG | e PKPbc | Z | 09:36:08.6 | 149.1 | 11.5 | | | | | |
| MOX | e PKPbc | Z | 09:36:08.5 | 149.2 | 19.7 | | | | | |
| | e PKPab | Z | 09:36:15.4 | | | | | | | |
| TANN | e PKPbc | Z | 09:36:09.0 | 149.2 | 21.3 | | | | | |
| | e PKPab | Z | 09:36:15.8 | | | | | | | |
| UBBA | e PKPbc | Z | 09:36:08.8 | 149.3 | 16.7 | | | | | |
| ROTZ | e PKPbc | Z | 09:36:10.6 | 149.9 | 21.3 | | | | | |
| | e PKPab | Z | 09:36:18.4 | | | | | | | |
| GRA1 | e PKPbc | Z | 09:36:11.0 | 150.2 | 19.5 | | | | | |
| | e PKPab | Z | 09:36:20.0 | | | | | | | |

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| | | | | | |
|------|----------|---|------------|-------|------|
| | e pPKPbc | Z | 09:38:33.4 | | |
| TNS | e PKPbc | Z | 09:36:11.2 | 150.2 | 14.2 |
| | e PKPab | Z | 09:36:19.5 | | |
| WET | e PKPbc | Z | 09:36:11.2 | 150.3 | 22.9 |
| | e PKPab | Z | 09:36:20.6 | | |
| GEC2 | e PKPbc | Z | 09:36:11.6 | 150.3 | 24.6 |
| | e PKPab | Z | 09:36:20.7 | | |
| | e pPKPbc | Z | 09:38:35.5 | | |
| WLF | e PKPbc | Z | 09:36:13.7 | 151.0 | 10.0 |
| STU | e PKPbc | Z | 09:36:14.1 | 151.4 | 16.2 |
| | e PKPab | Z | 09:36:25.0 | | |
| FUR | e PKPbc | Z | 09:36:14.4 | 151.6 | 20.6 |
| | e PKPab | Z | 09:36:26.2 | | |
| RJOB | e PKPbc | Z | 09:36:14.0 | 151.6 | 23.7 |
| | e PKPab | Z | 09:36:26.6 | | |
| BFO | e PKPbc | Z | 09:36:15.1 | 152.0 | 14.8 |
| | e PKPab | Z | 09:36:27.2 | | |
| | e pPKPbc | Z | 09:38:41.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/08 | 14:20:55.9 | 19.529S | 168.959E | 35.8 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPbc | Z | 14:40:23.9 | 143.6 | 35.4 | | | | | |
| TANN | e PKPbc | Z | 14:40:24.9 | 143.9 | 39.7 | | | | | |
| MOX | e PKPbc | Z | 14:40:25.2 | 144.1 | 38.2 | | | | | |
| IBBN | e PKPbc | Z | 14:40:25.4 | 144.1 | 31.2 | | | | | |
| ROTZ | e PKPbc | Z | 14:40:27.1 | 144.5 | 39.9 | | | | | |
| UBBA | e PKPbc | Z | 14:40:26.9 | 144.6 | 35.7 | | | | | |
| GEC2 | e PKPbc | Z | 14:40:27.0 | 144.6 | 42.9 | | | | | |
| BUG | e PKPbc | Z | 14:40:28.6 | 145.0 | 31.1 | | | | | |
| | e pPKPbc | Z | 14:40:39.3 | | | | | | | |
| GRA1 | e PKPbc | Z | 14:40:28.1 | 145.0 | 38.5 | | | | | |
| TNS | e PKPbc | Z | 14:40:30.2 | 145.6 | 33.8 | | | | | |
| RJOB | e PKPbc | Z | 14:40:30.5 | 145.8 | 42.7 | | | | | |
| WLF | e PKPbc | Z | 14:40:34.8 | 146.9 | 30.7 | | | | | |
| BFO | e PKPbc | Z | 14:40:36.1 | 147.2 | 35.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/08 | 14:31:42.4 | 20.386S | 169.787E | 40.9 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| NRDL | e PKPbc | Z | 14:51:13.8 | 144.2 | 33.9 | | | | | |

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| | | | | | | |
|------|---|--------|---|------------|-------|------|
| TANN | e | PKPbc | Z | 14:51:14.5 | 145.0 | 39.1 |
| IBBN | e | PKPbc | Z | 14:51:15.7 | 145.2 | 30.4 |
| MOX | e | PKPbc | Z | 14:51:15.5 | 145.2 | 37.6 |
| ROTZ | e | PKPbc | Z | 14:51:16.3 | 145.7 | 39.3 |
| UBBA | e | PKPbc | Z | 14:51:16.5 | 145.7 | 35.0 |
| GEC2 | e | PKPbc | Z | 14:51:16.6 | 145.7 | 42.4 |
| WET | e | PKPbc | Z | 14:51:17.9 | 145.8 | 40.9 |
| BUG | e | PKPbc | Z | 14:51:17.8 | 146.1 | 30.3 |
| GRA1 | e | PKPbc | Z | 14:51:18.6 | 146.1 | 37.9 |
| | e | pPKPbc | Z | 14:51:30.8 | | |
| TNS | e | PKPbc | Z | 14:51:20.1 | 146.7 | 33.1 |
| RJOB | e | PKPbc | Z | 14:51:21.4 | 146.9 | 42.2 |
| WLF | e | PKPbc | Z | 14:51:24.6 | 148.0 | 29.9 |
| BFO | e | PKPbc | Z | 14:51:24.9 | 148.3 | 34.6 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/08 | 15:11:26.2 | 48.918N | 155.729E | 33.0N | 4.8 | | | SZGRF |
| Kuril Islands, Russia | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 15:23:14.9 | 76.8 | 23.1 | 0.8 | 6 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/08 | 22:34:57.1 | 24.970S | 179.830W | 528.0 | | | | SZGRF |
| South of Fiji Islands | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------|--------------|-------|------|-------|----|----|----|
| BSEG | e | PKPbc | Z 22:53:50.1 | 150.1 | 18.7 | | | | |
| NRDL | e | PKPbc | Z 22:53:52.6 | 151.5 | 19.1 | | | | |
| CLL | e | PKPbc | Z 22:53:54.3 | 151.9 | 25.3 | | | | |
| | e | pPKPbc | Z 22:55:57.0 | | | | | | |
| BRG | e | PKPbc | Z 22:53:54.6 | 152.0 | 27.4 | | | | |
| CLZ | e | PKPbc | Z 22:53:54.7 | 152.0 | 20.0 | | | | |
| | e | pPKPbc | Z 22:55:58.8 | | | | | | |
| IBBN | e | PKPbc | Z 22:53:54.5 | 152.1 | 14.8 | | | | |
| TANN | e | PKPbc | Z 22:53:55.9 | 152.8 | 25.0 | | | | |
| MOX | e | PKPbc | Z 22:53:56.3 | 152.9 | 23.2 | | | | |
| GRA1 | e | PKPbc | Z 22:53:58.6 | 153.8 | 23.2 | | | | |
| GEC2 | e | PKPbc | Z 22:53:58.5 | 153.9 | 28.8 | | | | |
| TNS | e | PKPbc | Z 22:53:59.0 | 153.9 | 17.3 | | | | |
| WLF | e | PKPbc | Z 22:54:00.5 | 154.9 | 12.9 | | | | |
| RJOB | e | PKPbc | Z 22:54:00.8 | 155.1 | 28.1 | | | | |

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| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 05:01:58.3 | 19.750S | 171.380E | 33.0N | | | | SZGRF |

Vanuatu Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| IBBN | e PKPbc | Z | 05:21:32.0 | 145.0 | 27.6 | | | | | |
| TANN | e PKPbc | Z | 05:21:31.6 | 145.1 | 36.3 | | | | | |
| MOX | e PKPbc | Z | 05:21:31.6 | 145.2 | 34.8 | | | | | |
| UBBA | e PKPbc | Z | 05:21:33.6 | 145.6 | 32.2 | | | | | |
| ROTZ | e PKPbc | Z | 05:21:33.3 | 145.7 | 36.4 | | | | | |
| BUG | e PKPbc | Z | 05:21:34.6 | 145.9 | 27.4 | | | | | |
| GRA1 | e PKPbc | Z | 05:21:33.1 | 146.1 | 35.0 | | | | | |
| TNS | e PKPbc | Z | 05:21:37.3 | 146.7 | 30.2 | | | | | |
| WLF | e PKPbc | Z | 05:21:40.4 | 147.8 | 26.8 | | | | | |
| BFO | e PKPbc | Z | 05:21:41.2 | 148.3 | 31.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 11:04:39.4 | 19.215S | 169.676E | 36.0 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 11:24:04.4 | 143.0 | 40.1 | | | | | |
| CLZ | e PKPbc | Z | 11:24:06.7 | 143.6 | 34.2 | | | | | |
| TANN | e PKPbc | Z | 11:24:07.8 | 143.9 | 38.4 | | | | | |
| IBBN | e PKPbc | Z | 11:24:08.6 | 144.0 | 29.9 | | | | | |
| MOX | e PKPbc | Z | 11:24:08.4 | 144.1 | 37.0 | | | | | |
| UBBA | e PKPbc | Z | 11:24:09.9 | 144.5 | 34.4 | | | | | |
| ROTZ | e PKPbc | Z | 11:24:09.9 | 144.5 | 38.6 | | | | | |
| GEC2 | e PKPbc | Z | 11:24:10.1 | 144.6 | 41.6 | | | | | |
| WET | e PKPbc | Z | 11:24:10.8 | 144.8 | 40.1 | | | | | |
| BUG | e PKPbc | Z | 11:24:11.2 | 144.9 | 29.8 | | | | | |
| GRA1 | e PKPbc | Z | 11:24:11.6 | 145.0 | 37.2 | | | | | |
| | e pPKPbc | Z | 11:24:22.4 | | | | | | | |
| TNS | e PKPbc | Z | 11:24:13.3 | 145.6 | 32.5 | | | | | |
| RJOB | e PKPbc | Z | 11:24:14.0 | 145.9 | 41.3 | | | | | |
| STU | e PKPbc | Z | 11:24:16.5 | 146.5 | 34.9 | | | | | |
| WLF | e PKPbc | Z | 11:24:17.7 | 146.8 | 29.3 | | | | | |
| BFO | e PKPbc | Z | 11:24:18.7 | 147.2 | 33.9 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 11:13:20.4 | 20.055S | 170.280E | 33.0 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPdf | Z | 11:32:45.9 | 142.8 | 32.2 | | | | | |

| | | | | | |
|------|---------|---|------------|-------|------|
| | e SS | T | 11:54:36.7 | | |
| BRG | e PKPbc | Z | 11:32:48.8 | 144.0 | 39.9 |
| | e SS | T | 11:54:53.2 | | |
| CLL | e PKPbc | Z | 11:32:48.9 | 144.0 | 38.2 |
| | e SS | T | 11:54:54.7 | | |
| NRDL | e PKPbc | Z | 11:32:49.2 | 144.1 | 32.9 |
| CLZ | e PKPbc | Z | 11:32:51.4 | 144.6 | 33.8 |
| TANN | e PKPbc | Z | 11:32:52.5 | 144.9 | 38.1 |
| | e SS | T | 11:55:05.4 | | |
| IBBN | e PKPbc | Z | 11:32:52.6 | 145.0 | 29.5 |
| MOX | e PKPbc | Z | 11:32:52.8 | 145.1 | 36.7 |
| | e SS | T | 11:55:07.8 | | |
| UBBA | e PKPbc | Z | 11:32:54.5 | 145.5 | 34.1 |
| | e SS | T | 11:55:12.5 | | |
| ROTZ | e PKPbc | Z | 11:32:54.8 | 145.6 | 38.3 |
| | e SS | T | 11:55:12.9 | | |
| GEC2 | e PKPbc | Z | 11:32:54.0 | 145.6 | 41.4 |
| | e SS | T | 11:55:11.5 | | |
| WET | e PKPbc | Z | 11:32:55.3 | 145.8 | 39.9 |
| | e SS | T | 11:55:14.4 | | |
| BUG | e PKPbc | Z | 11:32:55.5 | 145.9 | 29.3 |
| GRA1 | e PKPbc | Z | 11:32:56.3 | 146.0 | 36.9 |
| | e | | 11:33:10.5 | | |
| | e | | 11:33:32.6 | | |
| | e SS | T | 11:55:18.2 | | |
| TNS | e PKPbc | Z | 11:32:58.1 | 146.6 | 32.1 |
| RJOB | e PKPbc | Z | 11:32:58.0 | 146.9 | 41.2 |
| | e SS | T | 11:55:26.2 | | |
| FUR | e PKPbc | Z | 11:32:59.6 | 147.2 | 38.4 |
| | e SS | T | 11:55:31.2 | | |
| STU | e PKPbc | Z | 11:33:00.5 | 147.5 | 34.5 |
| | e SS | T | 11:55:36.3 | | |
| WLF | e SS | T | 11:55:40.7 | 147.8 | 28.8 |
| BFO | e PKPbc | Z | 11:33:01.7 | 148.2 | 33.5 |
| | e SS | T | 11:55:43.8 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/09 11:23:39.7 19.804S 170.877E 33.0N
 Vanuatu Islands SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z 11:43:04.2 | 142.8 | 31.2 | | | | | |
| BRG | e PKPbc | Z 11:43:08.1 | 144.0 | 38.8 | | | | | |
| CLL | e PKPbc | Z 11:43:08.1 | 144.0 | 37.1 | | | | | |
| NRDL | e PKPbc | Z 11:43:08.6 | 144.1 | 31.9 | | | | | |
| CLZ | e PKPbc | Z 11:43:10.5 | 144.5 | 32.8 | | | | | |
| IBBN | e PKPbc | Z 11:43:11.8 | 144.9 | 28.4 | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| TANN | e | PKPbc | Z | 11:43:11.7 | 144.9 | 37.1 |
| MOX | e | PKPbc | Z | 11:43:12.0 | 145.1 | 35.6 |
| UBBA | e | PKPbc | Z | 11:43:13.6 | 145.5 | 33.0 |
| ROTZ | e | PKPbc | Z | 11:43:14.0 | 145.6 | 37.2 |
| GEC2 | e | PKPbc | Z | 11:43:13.8 | 145.7 | 40.3 |
| WET | e | PKPbc | Z | 11:43:14.4 | 145.8 | 38.8 |
| BUG | e | PKPbc | Z | 11:43:14.7 | 145.8 | 28.2 |
| GRA1 | e | PKPbc | Z | 11:43:15.5 | 146.0 | 35.8 |
| | e | PP | Z | 11:46:37.4 | | |
| TNS | e | PKPbc | Z | 11:43:17.2 | 146.5 | 31.0 |
| RJOB | e | PKPbc | Z | 11:43:17.5 | 146.9 | 40.0 |
| FUR | e | PKPbc | Z | 11:43:18.8 | 147.2 | 37.3 |
| STU | e | PKPbc | Z | 11:43:19.6 | 147.5 | 33.4 |
| WLF | e | PKPbc | Z | 11:43:21.0 | 147.7 | 27.7 |
| BFO | e | PKPbc | Z | 11:43:21.4 | 148.2 | 32.4 |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/09 11:59:13.7 21.400S 169.740E 33.0N
 Southeast of Loyalty Islands SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|--------------|-------|------|------|-------|----|----|----|
| BRG | e | PKPbc | Z 12:18:46.0 | 145.0 | 41.7 | | | | | |
| CLL | e | PKPbc | Z 12:18:46.3 | 145.0 | 39.9 | | | | | |
| CLZ | e | PKPbc | Z 12:18:48.2 | 145.6 | 35.5 | | | | | |
| TANN | e | PKPbc | Z 12:18:49.0 | 145.9 | 39.9 | | | | | |
| MOX | e | PKPbc | Z 12:18:49.6 | 146.1 | 38.5 | | | | | |
| IBBN | e | PKPbc | Z 12:18:49.8 | 146.1 | 31.1 | | | | | |
| ROTZ | e | PKPbc | Z 12:18:51.5 | 146.5 | 40.2 | | | | | |
| GEC2 | e | PKPbc | Z 12:18:51.3 | 146.6 | 43.4 | | | | | |
| UBBA | e | PKPbc | Z 12:18:51.1 | 146.6 | 35.8 | | | | | |
| WET | e | PKPbc | Z 12:18:51.9 | 146.7 | 41.8 | | | | | |
| GRA1 | e | PKPbc | Z 12:18:53.3 | 147.0 | 38.8 | | | | | |
| BUG | e | PKPbc | Z 12:18:52.3 | 147.0 | 31.0 | | | | | |
| TNS | e | PKPbc | Z 12:18:54.7 | 147.6 | 33.9 | | | | | |
| RJOB | e | PKPbc | Z 12:18:55.0 | 147.8 | 43.2 | | | | | |
| STU | e | PKPbc | Z 12:18:56.7 | 148.5 | 36.5 | | | | | |
| WLF | e | PKPbc | Z 12:18:58.8 | 148.9 | 30.6 | | | | | |
| BFO | e | PKPbc | Z 12:18:58.7 | 149.2 | 35.5 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/09 12:12:28.1 19.986S 170.442E 40.1
 Vanuatu Islands SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|-------|-------|--------------|-------|------|------|-------|----|----|----|
| BRG | e | PKPbc | Z 12:31:57.0 | 144.0 | 39.6 | | | | | |

| | | | | | | |
|------|---|--------|---|------------|-------|------|
| CLL | e | PKPbc | Z | 12:31:56.8 | 144.0 | 37.9 |
| NRDL | e | PKPbc | Z | 12:31:57.9 | 144.1 | 32.6 |
| CLZ | e | PKPbc | Z | 12:31:58.5 | 144.5 | 33.5 |
| TANN | e | PKPbc | Z | 12:31:59.3 | 144.9 | 37.8 |
| WERD | e | PKPbc | Z | 12:31:59.3 | 145.0 | 37.6 |
| IBBN | e | PKPbc | Z | 12:31:59.6 | 145.0 | 29.2 |
| GUNZ | e | PKPbc | Z | 12:32:00.0 | 145.0 | 37.7 |
| WERN | e | PKPbc | Z | 12:31:59.7 | 145.1 | 37.8 |
| MOX | e | PKPbc | Z | 12:31:59.9 | 145.1 | 36.4 |
| | e | pPKPbc | Z | 12:32:12.8 | | |
| UBBA | e | PKPbc | Z | 12:32:00.6 | 145.5 | 33.8 |
| ROTZ | e | PKPbc | Z | 12:32:01.3 | 145.6 | 38.0 |
| GEC2 | e | PKPbc | Z | 12:32:01.3 | 145.6 | 41.1 |
| WET | e | PKPbc | Z | 12:32:01.9 | 145.8 | 39.6 |
| BUG | e | PKPbc | Z | 12:32:02.7 | 145.9 | 29.0 |
| GRA1 | e | PKPbc | Z | 12:32:04.0 | 146.0 | 36.6 |
| | e | pPKPbc | Z | 12:32:15.1 | | |
| TNS | e | PKPbc | Z | 12:32:05.1 | 146.6 | 31.8 |
| RJOB | e | PKPbc | Z | 12:32:06.1 | 146.9 | 40.8 |
| STU | e | PKPbc | Z | 12:32:07.0 | 147.5 | 34.2 |
| WLF | e | PKPbc | Z | 12:32:08.8 | 147.8 | 28.5 |
| BFO | e | PKPbc | Z | 12:32:10.3 | 148.2 | 33.2 |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/09

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 12:46:15.5

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/09 12:46:11.5 20.266S 169.793E 33.0N 7.4 SZGRF
Vanuatu Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
RGN e PKPbc Z 13:05:36.5 141.4 36.8
RUE e PKPbc Z 13:05:39.3 142.8 39.1
BSEG e PKPbc Z 13:05:37.4 142.9 33.0
e SKPbc Z 13:09:20.0
BRG e PKPbc Z 13:05:40.1 144.0 40.7
e SKPbc Z 13:09:23.1
CLL e PKPbc Z 13:05:40.4 144.0 39.0
NRDL e PKPbc Z 13:05:40.4 144.1 33.8
CLZ e PKPbc Z 13:05:42.7 144.6 34.7
e SKPbc Z 13:09:24.8
TANN e PKPbc Z 13:05:43.6 144.9 39.0

| | | | | | | | | | | |
|------|---------|---|------------|-------|------|------|-------|--|-----|--|
| | e SKPbc | Z | 13:09:25.4 | | | | | | | |
| WERD | e PKPbc | Z | 13:05:43.8 | 145.0 | 38.7 | | | | | |
| GUNZ | e PKPbc | Z | 13:05:44.2 | 145.0 | 38.9 | | | | | |
| IBBN | e PKPbc | Z | 13:05:44.2 | 145.1 | 30.3 | | | | | |
| | e SKPbc | Z | 13:09:25.8 | | | | | | | |
| WERN | e PKPbc | Z | 13:05:44.4 | 145.1 | 39.0 | | | | | |
| MOX | e PKPbc | Z | 13:05:43.9 | 145.1 | 37.5 | | | | | |
| ROTZ | e PKPbc | Z | 13:05:45.9 | 145.5 | 39.2 | | | | | |
| UBBA | e PKPbc | Z | 13:05:45.6 | 145.6 | 35.0 | | | | | |
| WET | e PKPbc | Z | 13:05:46.4 | 145.7 | 40.8 | | | | | |
| BUG | e PKPbc | Z | 13:05:46.9 | 146.0 | 30.2 | | | | | |
| GRA1 | e PKPbc | Z | 13:05:47.4 | 146.0 | 37.8 | | | | | |
| | e SKPbc | Z | 13:09:27.9 | | | | | | | |
| | e SS | T | 13:28:22.7 | | | | | | | |
| | e L | Z | 14:14:08.6 | | | 20.9 | 64250 | | 7.4 | |
| GRFO | e PKPbc | Z | 13:05:47.2 | 146.0 | 37.8 | | | | | |
| TNS | e PKPbc | Z | 13:05:49.0 | 146.6 | 33.0 | | | | | |
| RJOB | e PKPbc | Z | 13:05:48.6 | 146.8 | 42.1 | | | | | |
| FUR | e PKPbc | Z | 13:05:50.8 | 147.2 | 39.3 | | | | | |
| STU | e PKPbc | Z | 13:05:51.5 | 147.5 | 35.5 | | | | | |
| WLF | e PKPbc | Z | 13:05:53.0 | 147.8 | 29.8 | | | | | |
| BFO | e PKPbc | Z | 13:05:52.8 | 148.2 | 34.5 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/09 13:03: 6.1 20.009S 170.388E 33.0N
 Vanuatu Islands SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 13:22:34.8 | 144.0 | 39.7 | | | | | |
| CLL | e PKPbc | Z | 13:22:34.7 | 144.0 | 38.0 | | | | | |
| NRDL | e PKPbc | Z | 13:22:35.2 | 144.1 | 32.7 | | | | | |
| CLZ | e PKPbc | Z | 13:22:37.4 | 144.6 | 33.6 | | | | | |
| TANN | e PKPbc | Z | 13:22:38.5 | 144.9 | 37.9 | | | | | |
| IBBN | e PKPbc | Z | 13:22:38.6 | 145.0 | 29.3 | | | | | |
| MOX | e PKPbc | Z | 13:22:38.6 | 145.1 | 36.5 | | | | | |
| UBBA | e PKPbc | Z | 13:22:40.3 | 145.5 | 33.9 | | | | | |
| ROTZ | e PKPbc | Z | 13:22:40.6 | 145.6 | 38.1 | | | | | |
| GEC2 | e PKPbc | Z | 13:22:40.3 | 145.6 | 41.2 | | | | | |
| WET | e PKPbc | Z | 13:22:41.1 | 145.8 | 39.7 | | | | | |
| BUG | e PKPbc | Z | 13:22:41.4 | 145.9 | 29.1 | | | | | |
| GRA1 | e PKPbc | Z | 13:22:42.0 | 146.0 | 36.7 | | | | | |
| TNS | e PKPbc | Z | 13:22:43.7 | 146.6 | 31.9 | | | | | |
| RJOB | e PKPbc | Z | 13:22:44.0 | 146.9 | 41.0 | | | | | |
| FUR | e PKPbc | Z | 13:22:45.5 | 147.2 | 38.2 | | | | | |
| STU | e PKPbc | Z | 13:22:46.6 | 147.5 | 34.3 | | | | | |
| WLF | e PKPbc | Z | 13:22:47.8 | 147.8 | 28.6 | | | | | |
| BFO | e PKPbc | Z | 13:22:48.1 | 148.2 | 33.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 13:36:35.5 | 19.715S | 171.095E | 33.0 | | | | SZGRF |
| Vanuatu Islands region | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 13:56:04.3 | 144.0 | 38.5 | | | | | |
| CLL | e PKPbc | Z | 13:56:04.1 | 144.0 | 36.7 | | | | | |
| NRDL | e PKPbc | Z | 13:56:05.1 | 144.0 | 31.5 | | | | | |
| CLZ | e PKPbc | Z | 13:56:06.0 | 144.5 | 32.4 | | | | | |
| IBBN | e PKPbc | Z | 13:56:07.7 | 144.9 | 28.0 | | | | | |
| TANN | e PKPbc | Z | 13:56:07.8 | 144.9 | 36.7 | | | | | |
| MOX | e PKPbc | Z | 13:56:08.0 | 145.1 | 35.2 | | | | | |
| UBBA | e PKPbc | Z | 13:56:09.8 | 145.5 | 32.6 | | | | | |
| ROTZ | e PKPbc | Z | 13:56:10.3 | 145.6 | 36.8 | | | | | |
| GEC2 | e PKPbc | Z | 13:56:09.7 | 145.7 | 39.9 | | | | | |
| WET | e PKPbc | Z | 13:56:10.5 | 145.8 | 38.4 | | | | | |
| BUG | e PKPbc | Z | 13:56:10.7 | 145.8 | 27.8 | | | | | |
| GRA1 | e PKPbc | Z | 13:56:11.4 | 146.0 | 35.4 | | | | | |
| | e | | 13:56:21.0 | | | | | | | |
| TNS | e PKPbc | Z | 13:56:13.3 | 146.5 | 30.6 | | | | | |
| RJOB | e PKPbc | Z | 13:56:14.5 | 146.9 | 39.6 | | | | | |
| STU | e PKPbc | Z | 13:56:15.9 | 147.5 | 33.0 | | | | | |
| WLF | e PKPbc | Z | 13:56:17.4 | 147.7 | 27.3 | | | | | |
| BFO | e PKPbc | Z | 13:56:17.6 | 148.2 | 31.9 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 14:11:42.7 | 19.917S | 170.605E | 33.0N | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 14:31:07.4 | 142.8 | 31.6 | | | | | |
| BRG | e PKPbc | Z | 14:31:11.2 | 144.0 | 39.3 | | | | | |
| CLL | e PKPbc | Z | 14:31:11.2 | 144.0 | 37.6 | | | | | |
| NRDL | e PKPbc | Z | 14:31:11.8 | 144.1 | 32.3 | | | | | |
| CLZ | e PKPbc | Z | 14:31:13.7 | 144.5 | 33.2 | | | | | |
| TANN | e PKPbc | Z | 14:31:14.7 | 144.9 | 37.5 | | | | | |
| IBBN | e PKPbc | Z | 14:31:15.0 | 145.0 | 28.9 | | | | | |
| MOX | e PKPbc | Z | 14:31:15.1 | 145.1 | 36.1 | | | | | |
| UBBA | e PKPbc | Z | 14:31:16.7 | 145.5 | 33.5 | | | | | |
| ROTZ | e PKPbc | Z | 14:31:17.1 | 145.6 | 37.7 | | | | | |
| GEC2 | e PKPbc | Z | 14:31:16.9 | 145.7 | 40.8 | | | | | |
| WET | e PKPbc | Z | 14:31:17.5 | 145.8 | 39.3 | | | | | |
| BUG | e PKPbc | Z | 14:31:17.7 | 145.9 | 28.7 | | | | | |
| GRA1 | e PKPbc | Z | 14:31:18.6 | 146.0 | 36.3 | | | | | |

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Thu Apr 23 08:38:25 2020

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| TNS | e | PKPbc | Z | 14:31:20.3 | 146.6 | 31.5 |
| RJOB | e | PKPbc | Z | 14:31:20.4 | 146.9 | 40.5 |
| FUR | e | PKPbc | Z | 14:31:21.9 | 147.2 | 37.8 |
| STU | e | PKPbc | Z | 14:31:22.8 | 147.5 | 33.9 |
| WLF | e | PKPbc | Z | 14:31:24.3 | 147.8 | 28.2 |
| BFO | e | PKPbc | Z | 14:31:24.4 | 148.2 | 32.9 |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/09 | 14:21:18.8 | 20.125S | 170.117E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|--------------|-------|------|-------|----|----|----|
| BSEG | e | PKPbc | Z 14:40:44.5 | 142.8 | 32.5 | | | | |
| BRG | e | PKPbc | Z 14:40:47.2 | 144.0 | 40.2 | | | | |
| CLL | e | PKPbc | Z 14:40:47.1 | 144.0 | 38.4 | | | | |
| NRDL | e | PKPbc | Z 14:40:47.8 | 144.1 | 33.2 | | | | |
| CLZ | e | PKPbc | Z 14:40:49.7 | 144.6 | 34.1 | | | | |
| TANN | e | PKPbc | Z 14:40:50.7 | 144.9 | 38.4 | | | | |
| IBBN | e | PKPbc | Z 14:40:51.0 | 145.0 | 29.8 | | | | |
| MOX | e | PKPbc | Z 14:40:51.1 | 145.1 | 37.0 | | | | |
| UBBA | e | PKPbc | Z 14:40:52.8 | 145.5 | 34.4 | | | | |
| ROTZ | e | PKPbc | Z 14:40:53.1 | 145.5 | 38.6 | | | | |
| GEC2 | e | PKPbc | Z 14:40:52.7 | 145.6 | 41.7 | | | | |
| WET | e | PKPbc | Z 14:40:53.4 | 145.8 | 40.2 | | | | |
| BUG | e | PKPbc | Z 14:40:53.8 | 145.9 | 29.6 | | | | |
| GRA1 | e | PKPbc | Z 14:40:54.6 | 146.0 | 37.2 | | | | |
| TNS | e | PKPbc | Z 14:40:56.6 | 146.6 | 32.4 | | | | |
| RJOB | e | PKPbc | Z 14:40:56.5 | 146.9 | 41.5 | | | | |
| FUR | e | PKPbc | Z 14:40:57.9 | 147.2 | 38.7 | | | | |
| STU | e | PKPbc | Z 14:40:58.9 | 147.5 | 34.9 | | | | |
| WLF | e | PKPbc | Z 14:41:00.3 | 147.8 | 29.1 | | | | |
| BFO | e | PKPbc | Z 14:41:00.1 | 148.2 | 33.9 | | | | |

| | | | | | | | | |
|------------|-------------|-----|------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/09 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|--------------|-----|------|-------|----|----|----|
| GRA1 | e | PKPbc | Z 14:46:11.5 | | | | | | |

| | | | | | | | | |
|------------|-------------|-----|------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/09 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|-------|------|------|-----|------|-------|----|----|----|
|-----|-------|------|------|-----|------|-------|----|----|----|

GRA1 e PKPbc Z 14:55:11.4

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 14:36:46.3 | 20.102S | 170.171E | 33.0N | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 14:56:12.5 | 142.8 | 32.4 | | | | | |
| BRG | e PKPbc | Z | 14:56:14.7 | 144.0 | 40.1 | | | | | |
| CLL | e PKPbc | Z | 14:56:14.9 | 144.0 | 38.3 | | | | | |
| NRDL | e PKPbc | Z | 14:56:15.9 | 144.1 | 33.1 | | | | | |
| CLZ | e PKPbc | Z | 14:56:17.1 | 144.6 | 34.0 | | | | | |
| TANN | e PKPbc | Z | 14:56:18.3 | 144.9 | 38.3 | | | | | |
| IBBN | e PKPbc | Z | 14:56:18.4 | 145.0 | 29.7 | | | | | |
| MOX | e PKPbc | Z | 14:56:18.6 | 145.1 | 36.9 | | | | | |
| UBBA | e PKPbc | Z | 14:56:20.2 | 145.5 | 34.3 | | | | | |
| ROTZ | e PKPbc | Z | 14:56:20.6 | 145.6 | 38.5 | | | | | |
| GEC2 | e PKPbc | Z | 14:56:20.3 | 145.6 | 41.6 | | | | | |
| WET | e PKPbc | Z | 14:56:21.1 | 145.8 | 40.1 | | | | | |
| BUG | e PKPbc | Z | 14:56:21.2 | 145.9 | 29.5 | | | | | |
| GRA1 | e PKPbc | Z | 14:56:22.1 | 146.0 | 37.1 | | | | | |
| TNS | e PKPbc | Z | 14:56:23.9 | 146.6 | 32.3 | | | | | |
| RJOB | e PKPbc | Z | 14:56:24.0 | 146.9 | 41.4 | | | | | |
| FUR | e PKPbc | Z | 14:56:25.2 | 147.2 | 38.6 | | | | | |
| STU | e PKPbc | Z | 14:56:26.2 | 147.5 | 34.8 | | | | | |
| WLF | e PKPbc | Z | 14:56:27.6 | 147.8 | 29.0 | | | | | |
| BFO | e PKPbc | Z | 14:56:27.6 | 148.2 | 33.7 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 14:47:48.8 | 20.125S | 170.117E | 33.0N | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 15:07:14.7 | 142.8 | 32.5 | | | | | |
| BRG | e PKPbc | Z | 15:07:17.2 | 144.0 | 40.2 | | | | | |
| CLL | e PKPbc | Z | 15:07:17.1 | 144.0 | 38.4 | | | | | |
| NRDL | e PKPbc | Z | 15:07:17.8 | 144.1 | 33.2 | | | | | |
| CLZ | e PKPbc | Z | 15:07:19.7 | 144.6 | 34.1 | | | | | |
| TANN | e PKPbc | Z | 15:07:20.8 | 144.9 | 38.4 | | | | | |
| IBBN | e PKPbc | Z | 15:07:21.0 | 145.0 | 29.8 | | | | | |
| MOX | e PKPbc | Z | 15:07:21.2 | 145.1 | 37.0 | | | | | |
| UBBA | e PKPbc | Z | 15:07:22.8 | 145.5 | 34.4 | | | | | |
| ROTZ | e PKPbc | Z | 15:07:23.1 | 145.5 | 38.6 | | | | | |
| GEC2 | e PKPbc | Z | 15:07:22.8 | 145.6 | 41.7 | | | | | |
| WET | e PKPbc | Z | 15:07:23.5 | 145.8 | 40.2 | | | | | |

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| BUG | e | PKPbc | Z | 15:07:23.9 | 145.9 | 29.6 |
| GRA1 | e | PKPbc | Z | 15:07:24.6 | 146.0 | 37.2 |
| TNS | e | PKPbc | Z | 15:07:26.5 | 146.6 | 32.4 |
| RJOB | e | PKPbc | Z | 15:07:26.7 | 146.9 | 41.5 |
| FUR | e | PKPbc | Z | 15:07:28.0 | 147.2 | 38.7 |
| STU | e | PKPbc | Z | 15:07:29.0 | 147.5 | 34.9 |
| WLF | e | PKPbc | Z | 15:07:30.4 | 147.8 | 29.1 |
| BFO | e | PKPbc | Z | 15:07:30.6 | 148.2 | 33.9 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/09 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|------|-------|----|----|----|
| GRA1 | e | PKPbc | Z | 15:45:31.0 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 15:31:15.7 | 20.384S | 169.523E | 41.0 | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------|------|------------|-------|-------|----|----|----|
| BRG | e | PKPbc | Z | 15:50:44.1 | 144.0 | 41.2 | | | |
| CLL | e | PKPbc | Z | 15:50:45.1 | 144.0 | 39.5 | | | |
| CLZ | e | PKPbc | Z | 15:50:47.5 | 144.6 | 35.2 | | | |
| TANN | e | PKPbc | Z | 15:50:47.7 | 144.9 | 39.5 | | | |
| IBBN | e | PKPbc | Z | 15:50:48.2 | 145.1 | 30.8 | | | |
| | e | pPKPbc | Z | 15:51:00.9 | | | | | |
| MOX | e | PKPbc | Z | 15:50:48.1 | 145.1 | 38.0 | | | |
| | e | pPKPbc | Z | 15:51:00.7 | | | | | |
| ROTZ | e | PKPbc | Z | 15:50:50.0 | 145.5 | 39.7 | | | |
| UBBA | e | PKPbc | Z | 15:50:49.8 | 145.6 | 35.4 | | | |
| GEC2 | e | PKPbc | Z | 15:50:49.7 | 145.6 | 42.8 | | | |
| | e | pPKPbc | Z | 15:51:02.5 | | | | | |
| WET | e | PKPbc | Z | 15:50:50.4 | 145.7 | 41.3 | | | |
| BUG | e | PKPbc | Z | 15:50:50.8 | 146.0 | 30.7 | | | |
| GRA1 | e | PKPbc | Z | 15:50:51.5 | 146.0 | 38.3 | | | |
| | e | pPKPbc | Z | 15:51:03.8 | | | | | |
| TNS | e | PKPbc | Z | 15:50:53.6 | 146.6 | 33.5 | | | |
| RJOB | e | PKPbc | Z | 15:50:53.3 | 146.8 | 42.6 | | | |
| FUR | e | PKPbc | Z | 15:50:55.0 | 147.2 | 39.8 | | | |
| STU | e | PKPbc | Z | 15:50:56.0 | 147.5 | 36.0 | | | |
| WLF | e | PKPbc | Z | 15:50:57.4 | 147.9 | 30.3 | | | |
| | e | pPKPbc | Z | 15:51:10.1 | | | | | |
| BFO | e | PKPbc | Z | 15:50:57.6 | 148.2 | 35.0 | | | |
| | e | pPKPbc | Z | 15:51:10.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/09 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 15:57:01.2 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/09 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 16:06:25.6 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 16:02:11.5 | 19.782S | 170.931E | 33.0N | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z 16:21:36.1 | 142.8 | 31.1 | | | | | |
| BRG | e PKPbc | Z 16:21:40.1 | 144.0 | 38.8 | | | | | |
| CLL | e PKPbc | Z 16:21:40.0 | 144.0 | 37.0 | | | | | |
| NRDL | e PKPbc | Z 16:21:40.6 | 144.1 | 31.8 | | | | | |
| CLZ | e PKPbc | Z 16:21:42.5 | 144.5 | 32.7 | | | | | |
| IBBN | e PKPbc | Z 16:21:43.8 | 144.9 | 28.3 | | | | | |
| TANN | e PKPbc | Z 16:21:43.7 | 144.9 | 37.0 | | | | | |
| MOX | e PKPbc | Z 16:21:44.0 | 145.1 | 35.5 | | | | | |
| UBBA | e PKPbc | Z 16:21:45.5 | 145.5 | 32.9 | | | | | |
| ROTZ | e PKPbc | Z 16:21:46.0 | 145.6 | 37.1 | | | | | |
| GEC2 | e PKPbc | Z 16:21:45.7 | 145.7 | 40.2 | | | | | |
| WET | e PKPbc | Z 16:21:46.4 | 145.8 | 38.7 | | | | | |
| BUG | e PKPbc | Z 16:21:46.6 | 145.8 | 28.1 | | | | | |
| GRA1 | e PKPbc | Z 16:21:47.4 | 146.0 | 35.7 | | | | | |
| TNS | e PKPbc | Z 16:21:48.9 | 146.5 | 30.9 | | | | | |
| RJOB | e PKPbc | Z 16:21:49.4 | 146.9 | 39.9 | | | | | |
| FUR | e PKPbc | Z 16:21:51.0 | 147.2 | 37.2 | | | | | |
| STU | e PKPbc | Z 16:21:51.5 | 147.5 | 33.3 | | | | | |
| WLF | e PKPbc | Z 16:21:53.1 | 147.7 | 27.6 | | | | | |
| BFO | e PKPbc | Z 16:21:53.2 | 148.2 | 32.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 16:11:56.6 | 20.171S | 170.009E | 33.0N | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 16:31:24.7 | 144.0 | 40.4 | | | | | |
| NRDL | e PKPbc | Z | 16:31:25.5 | 144.1 | 33.4 | | | | | |
| CLZ | e PKPbc | Z | 16:31:26.9 | 144.6 | 34.3 | | | | | |
| TANN | e PKPbc | Z | 16:31:27.9 | 144.9 | 38.6 | | | | | |
| IBBN | e PKPbc | Z | 16:31:28.3 | 145.0 | 30.0 | | | | | |
| MOX | e PKPbc | Z | 16:31:28.4 | 145.1 | 37.2 | | | | | |
| UBBA | e PKPbc | Z | 16:31:30.1 | 145.5 | 34.6 | | | | | |
| ROTZ | e PKPbc | Z | 16:31:29.9 | 145.5 | 38.8 | | | | | |
| GEC2 | e PKPbc | Z | 16:31:29.8 | 145.6 | 41.9 | | | | | |
| WET | e PKPbc | Z | 16:31:29.9 | 145.7 | 40.4 | | | | | |
| BUG | e PKPbc | Z | 16:31:31.2 | 145.9 | 29.8 | | | | | |
| GRA1 | e PKPbc | Z | 16:31:32.4 | 146.0 | 37.4 | | | | | |
| TNS | e PKPbc | Z | 16:31:32.9 | 146.6 | 32.6 | | | | | |
| WLF | e PKPbc | Z | 16:31:37.5 | 147.8 | 29.4 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 17:15: 6.9 | 20.289S | 169.739E | 40.4 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z | 17:34:39.2 | 144.9 | 39.1 | | | | | |
| | e pPKPbc | Z | 17:34:51.2 | | | | | | | |
| MOX | e PKPbc | Z | 17:34:39.5 | 145.1 | 37.6 | | | | | |
| | e pPKPbc | Z | 17:34:51.6 | | | | | | | |
| ROTZ | e PKPbc | Z | 17:34:41.3 | 145.5 | 39.3 | | | | | |
| | e pPKPbc | Z | 17:34:53.0 | | | | | | | |
| UBBA | e PKPbc | Z | 17:34:41.1 | 145.6 | 35.1 | | | | | |
| GEC2 | e PKPbc | Z | 17:34:41.4 | 145.6 | 42.4 | | | | | |
| WET | e pPKPbc | Z | 17:34:54.1 | 145.7 | 40.9 | | | | | |
| GRA1 | e PKPbc | Z | 17:34:42.8 | 146.0 | 37.9 | | | | | |
| TNS | e PKPbc | Z | 17:34:44.6 | 146.6 | 33.1 | | | | | |
| | e pPKPbc | Z | 17:34:57.2 | | | | | | | |
| STU | e PKPbc | Z | 17:34:47.6 | 147.5 | 35.6 | | | | | |
| WLF | e PKPbc | Z | 17:34:48.9 | 147.9 | 29.9 | | | | | |
| BFO | e PKPbc | Z | 17:34:49.3 | 148.2 | 34.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/09 | 18:51:29.1 | 20.072S | 170.353E | 22.2 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z | 19:11:01.9 | 145.0 | 38.0 | | | | | |
| | e pPKPbc | Z | 19:11:08.4 | | | | | | | |

| | | | | | | |
|------|---|--------|---|------------|-------|------|
| IBBN | e | PKPbc | Z | 19:11:02.5 | 145.0 | 29.4 |
| MOX | e | PKPbc | Z | 19:11:02.3 | 145.1 | 36.6 |
| | e | pPKPbc | Z | 19:11:08.8 | | |
| UBBA | e | PKPbc | Z | 19:11:03.7 | 145.6 | 34.0 |
| | e | pPKPbc | Z | 19:11:10.3 | | |
| ROTZ | e | PKPbc | Z | 19:11:04.2 | 145.6 | 38.2 |
| GEC2 | e | PKPbc | Z | 19:11:03.7 | 145.7 | 41.3 |
| | e | pPKPbc | Z | 19:11:10.8 | | |
| WET | e | PKPbc | Z | 19:11:04.6 | 145.8 | 39.8 |
| | e | pPKPbc | Z | 19:11:11.4 | | |
| BUG | e | PKPbc | Z | 19:11:05.1 | 145.9 | 29.2 |
| GRA1 | e | PKPbc | Z | 19:11:05.5 | 146.0 | 36.8 |
| TNS | e | PKPbc | Z | 19:11:07.3 | 146.6 | 32.0 |
| RJOB | e | PKPbc | Z | 19:11:08.2 | 146.9 | 41.1 |
| FUR | e | PKPbc | Z | 19:11:09.1 | 147.2 | 38.3 |
| STU | e | PKPbc | Z | 19:11:10.1 | 147.6 | 34.4 |
| WLF | e | PKPbc | Z | 19:11:11.4 | 147.8 | 28.7 |
| | e | pPKPbc | Z | 19:11:17.9 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/09 | 19:13:38.6 | 51.615N | 159.440E | 33.0N | 4.5 | | | SZGRF |

Off east coast of Kamchatka Peninsula, Russia

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 19:25:18.0 | 75.1 | 19.8 | 0.9 | 4 | 4.5 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/09 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 21:38:38.7 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/09 | 23:11:57.3 | 42.300N | 135.860E | 33.0N | 5.2 | | | SZGRF |

Sea of Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| RUE | e P | Z 23:23:26.7 | 72.9 | 41.0 | 0.9 | 30 | 5.4 | | |
| BSEG | e P | Z 23:23:28.4 | 73.1 | 39.0 | 0.8 | 30 | 5.5 | | |
| BRG | e P | Z 23:23:33.3 | 74.0 | 40.8 | 0.7 | 18 | 5.2 | | |
| CLL | e P | Z 23:23:33.4 | 74.1 | 40.2 | 0.6 | 31 | 5.5 | | |
| NRDL | e P | Z 23:23:35.0 | 74.3 | 38.6 | 0.9 | 15 | 5.0 | | |
| CLZ | e P | Z 23:23:37.6 | 74.7 | 38.6 | 0.6 | 27 | 5.5 | | |

| | | | | | | | | |
|------|-----|---|------------|------|------|-----|----|-----|
| TANN | e P | Z | 23:23:38.9 | 75.0 | 39.7 | 1.1 | 8 | 4.7 |
| WERD | e P | Z | 23:23:38.9 | 75.0 | 39.6 | 1.0 | 11 | 4.8 |
| GUNZ | e P | Z | 23:23:39.3 | 75.1 | 39.7 | 0.7 | 14 | 5.1 |
| WERN | e P | Z | 23:23:39.8 | 75.1 | 39.7 | 0.9 | 20 | 5.2 |
| MOX | e P | Z | 23:23:39.8 | 75.1 | 39.2 | 1.4 | 20 | 5.0 |
| IBBN | e P | Z | 23:23:40.9 | 75.3 | 37.0 | 0.6 | 26 | 5.5 |
| ROTZ | e P | Z | 23:23:42.9 | 75.6 | 39.5 | 0.8 | 14 | 5.1 |
| UBBA | e P | Z | 23:23:42.4 | 75.6 | 38.2 | 0.6 | 7 | 4.9 |
| GEC2 | e P | Z | 23:23:42.6 | 75.7 | 40.3 | 0.6 | 10 | 5.1 |
| WET | e P | Z | 23:23:43.9 | 75.8 | 39.8 | 0.9 | 16 | 5.1 |
| GRA1 | e P | Z | 23:23:45.5 | 76.0 | 38.8 | 0.8 | 49 | 5.7 |
| BUG | e P | Z | 23:23:45.8 | 76.2 | 36.5 | 0.6 | 17 | 5.4 |
| TNS | e P | Z | 23:23:48.9 | 76.7 | 37.1 | 1.1 | 22 | 5.2 |
| RJOB | e P | Z | 23:23:49.9 | 76.9 | 39.5 | 0.9 | 20 | 5.2 |
| FUR | e P | Z | 23:23:51.6 | 77.2 | 38.6 | 0.8 | 32 | 5.5 |
| STU | e P | Z | 23:23:53.5 | 77.6 | 37.4 | 0.8 | 12 | 5.1 |
| WLF | e P | Z | 23:23:56.4 | 78.0 | 35.6 | 0.7 | 12 | 5.1 |
| BFO | e P | Z | 23:23:57.5 | 78.3 | 36.8 | 1.2 | 28 | 5.2 |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/10 01:10: 2.2 20.078S 170.225E 33.0N 5.7 SZGRF
 Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z 01:29:27.8 | 142.8 | 32.3 | | | | | |
| | e SS | T 01:51:33.6 | | | | | | | |
| BRG | e PKPbc | Z 01:29:30.7 | 144.0 | 40.0 | | | | | |
| | e SS | T 01:51:44.7 | | | | | | | |
| CLL | e PKPbc | Z 01:29:30.6 | 144.0 | 38.2 | | | | | |
| | e SS | T 01:51:45.6 | | | | | | | |
| NRDL | e PKPbc | Z 01:29:31.3 | 144.1 | 33.0 | | | | | |
| | e SS | T 01:51:47.9 | | | | | | | |
| CLZ | e PKPbc | Z 01:29:33.1 | 144.6 | 33.9 | | | | | |
| | e SS | T 01:51:53.8 | | | | | | | |
| TANN | e PKPbc | Z 01:29:34.3 | 144.9 | 38.2 | | | | | |
| | e SS | T 01:51:56.3 | | | | | | | |
| IBBN | e PKPbc | Z 01:29:34.3 | 145.0 | 29.6 | | | | | |
| | e SS | T 01:51:58.4 | | | | | | | |
| MOX | e PKPbc | Z 01:29:34.6 | 145.1 | 36.8 | | | | | |
| | e SS | T 01:51:58.3 | | | | | | | |
| UBBA | e PKPbc | Z 01:29:36.2 | 145.5 | 34.2 | | | | | |
| | e SS | T 01:52:02.9 | | | | | | | |
| ROTZ | e PKPbc | Z 01:29:36.6 | 145.6 | 38.4 | | | | | |
| | e SS | T 01:52:03.3 | | | | | | | |
| GEC2 | e PKPbc | Z 01:29:36.3 | 145.6 | 41.5 | | | | | |
| | e SS | T 01:52:01.5 | | | | | | | |
| WET | e PKPbc | Z 01:29:37.1 | 145.8 | 40.0 | | | | | |

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| | | | | | | | | | | | |
|------|---------|---|------------|-------|------|------|------|--|--|-----|--|
| | e SS | T | 01:52:04.9 | | | | | | | | |
| BUG | e PKPbc | Z | 01:29:37.2 | 145.9 | 29.4 | | | | | | |
| | e SS | T | 01:52:08.8 | | | | | | | | |
| GRA1 | e PKPbc | Z | 01:29:38.1 | 146.0 | 37.0 | | | | | | |
| | e PP | Z | 01:33:00.6 | | | | | | | | |
| | e SS | T | 01:52:08.1 | | | | | | | | |
| | e L | Z | 02:47:32.7 | | | 19.1 | 1124 | | | 5.7 | |
| TNS | e PKPbc | Z | 01:29:39.8 | 146.6 | 32.2 | | | | | | |
| | e SS | T | 01:52:14.8 | | | | | | | | |
| RJOB | e PKPbc | Z | 01:29:39.4 | 146.9 | 41.3 | | | | | | |
| | e SS | T | 01:52:16.1 | | | | | | | | |
| FUR | e PKPbc | Z | 01:29:41.1 | 147.2 | 38.5 | | | | | | |
| | e SS | T | 01:52:20.1 | | | | | | | | |
| STU | e PKPbc | Z | 01:29:42.1 | 147.5 | 34.6 | | | | | | |
| | e SS | T | 01:52:24.7 | | | | | | | | |
| WLF | e PKPbc | Z | 01:29:43.4 | 147.8 | 28.9 | | | | | | |
| | e SS | T | 01:52:28.8 | | | | | | | | |
| BFO | e PKPbc | Z | 01:29:44.0 | 148.2 | 33.6 | | | | | | |
| | e SS | T | 01:52:32.4 | | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/10 | 01:15:23.0 | 19.827S | 170.823E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z 01:34:52.0 | 144.0 | 38.9 | | | | | |
| CLL | e PKPbc | Z 01:34:52.9 | 144.0 | 37.2 | | | | | |
| CLZ | e PKPbc | Z 01:34:54.3 | 144.5 | 32.9 | | | | | |
| TANN | e PKPbc | Z 01:34:55.2 | 144.9 | 37.2 | | | | | |
| IBBN | e PKPbc | Z 01:34:55.6 | 144.9 | 28.5 | | | | | |
| MOX | e PKPbc | Z 01:34:55.8 | 145.1 | 35.7 | | | | | |
| UBBA | e PKPbc | Z 01:34:57.2 | 145.5 | 33.1 | | | | | |
| ROTZ | e PKPbc | Z 01:34:57.7 | 145.6 | 37.3 | | | | | |
| GEC2 | e PKPbc | Z 01:34:57.5 | 145.7 | 40.4 | | | | | |
| WET | e PKPbc | Z 01:34:58.1 | 145.8 | 38.9 | | | | | |
| GRA1 | e PKPbc | Z 01:34:58.8 | 146.0 | 35.9 | | | | | |
| TNS | e PKPbc | Z 01:35:00.8 | 146.5 | 31.1 | | | | | |
| WLF | e PKPbc | Z 01:35:04.6 | 147.8 | 27.8 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/10 | 01:17:33.3 | 19.604S | 171.367E | 33.0N | | | | SZGRF |

Vanuatu Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|---------|--------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPbc | Z 01:37:04.4 | 144.5 | 31.9 | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| IBBN | e | PKPbc | Z | 01:37:05.9 | 144.9 | 27.5 |
| TANN | e | PKPbc | Z | 01:37:05.5 | 144.9 | 36.2 |
| MOX | e | PKPbc | Z | 01:37:06.0 | 145.1 | 34.7 |
| UBBA | e | PKPbc | Z | 01:37:07.6 | 145.5 | 32.1 |
| ROTZ | e | PKPbc | Z | 01:37:07.9 | 145.6 | 36.3 |
| BUG | e | PKPbc | Z | 01:37:08.6 | 145.8 | 27.3 |
| GRA1 | e | PKPbc | Z | 01:37:09.2 | 146.0 | 34.9 |
| FUR | e | PKPbc | Z | 01:37:12.9 | 147.2 | 36.3 |
| WLF | e | PKPbc | Z | 01:37:15.1 | 147.7 | 26.7 |
| BFO | e | PKPbc | Z | 01:37:15.5 | 148.2 | 31.4 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/10 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------------|------|-----|------|-------|----|----|----|
| GRA1 | e | 01:41:56.0 | | | | | | | |
| | e | 01:42:05.4 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/10 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------------|------|-----|------|-------|----|----|----|
| GRA1 | e | 01:50:48.6 | | | | | | | |
| | e | 01:51:00.6 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/10 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------------|------|-----|------|-------|----|----|----|
| GRA1 | e | 03:13:38.5 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/10 | 04:29:31.2 | 21.197S | 169.870E | 33.0N | | 5.2 | | SZGRF |
| Southeast of Loyalty Islands | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------------|------|-----|------|-------|----|----|----|
| BRG | e | 04:49:03.6 | | | | | | | |
| CLL | e | 04:49:04.9 | | | | | | | |
| CLZ | e | 04:49:05.8 | | | | | | | |
| TANN | e | 04:49:06.2 | | | | | | | |
| IBBN | e | 04:49:07.0 | | | | | | | |

| | | | | | | | | | | | | |
|------|---|-------|---|------------|-------|------|------|-----|--|-----|--|--|
| MOX | e | PKPbc | Z | 04:49:07.2 | 146.0 | 38.1 | | | | | | |
| ROTZ | e | PKPbc | Z | 04:49:08.2 | 146.4 | 39.8 | | | | | | |
| UBBA | e | PKPbc | Z | 04:49:08.1 | 146.4 | 35.5 | | | | | | |
| GEC2 | e | PKPbc | Z | 04:49:08.2 | 146.5 | 43.0 | | | | | | |
| WET | e | PKPbc | Z | 04:49:09.0 | 146.6 | 41.5 | | | | | | |
| BUG | e | PKPbc | Z | 04:49:10.1 | 146.9 | 30.7 | | | | | | |
| GRA1 | e | PKPbc | Z | 04:49:09.7 | 146.9 | 38.4 | | | | | | |
| | e | SS | T | 05:11:36.9 | | | | | | | | |
| | e | L | Z | 06:06:55.2 | | | 18.7 | 350 | | 5.2 | | |
| TNS | e | PKPbc | Z | 04:49:11.4 | 147.5 | 33.6 | | | | | | |
| RJOB | e | PKPbc | Z | 04:49:11.9 | 147.7 | 42.8 | | | | | | |
| FUR | e | PKPbc | Z | 04:49:13.2 | 148.0 | 40.0 | | | | | | |
| STU | e | PKPbc | Z | 04:49:14.1 | 148.4 | 36.1 | | | | | | |
| WLF | e | PKPbc | Z | 04:49:15.4 | 148.7 | 30.3 | | | | | | |
| BFO | e | PKPbc | Z | 04:49:15.7 | 149.1 | 35.1 | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/10

| | | | | | | | | | |
|------|-------|-------|------|------------|------|-------|----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| GRA1 | e | PKPbc | Z | 06:53:34.4 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/10 06:57:44.0
Vanuatu Islands region

| | | | | | | | | | |
|------|-------|-------|------|------------|-------|-------|----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| CLL | e | PKPbc | Z | 07:17:12.0 | 144.0 | 36.4 | | | |
| CLZ | e | PKPbc | Z | 07:17:14.2 | 144.5 | 32.1 | | | |
| IBBN | e | PKPbc | Z | 07:17:15.5 | 144.9 | 27.7 | | | |
| TANN | e | PKPbc | Z | 07:17:15.1 | 144.9 | 36.4 | | | |
| MOX | e | PKPbc | Z | 07:17:15.7 | 145.1 | 34.9 | | | |
| UBBA | e | PKPbc | Z | 07:17:17.2 | 145.5 | 32.3 | | | |
| ROTZ | e | PKPbc | Z | 07:17:17.7 | 145.6 | 36.5 | | | |
| GEC2 | e | PKPbc | Z | 07:17:17.2 | 145.7 | 39.6 | | | |
| WET | e | PKPbc | Z | 07:17:18.0 | 145.8 | 38.1 | | | |
| BUG | e | PKPbc | Z | 07:17:18.4 | 145.8 | 27.5 | | | |
| GRA1 | e | PKPbc | Z | 07:17:18.0 | 146.0 | 35.1 | | | |
| TNS | e | PKPbc | Z | 07:17:20.4 | 146.5 | 30.3 | | | |
| WLF | e | PKPbc | Z | 07:17:24.6 | 147.7 | 26.9 | | | |
| BFO | e | PKPbc | Z | 07:17:27.5 | 148.2 | 31.6 | | | |

Date Origin Time Lat Long Depth mb Ms ML Source

2008/04/10 07:17:33.9 39.538N 73.266E 33.0N 4.8 4.6 SZGRF
Tajikistan-Xinjiang border region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| BRG | e P | Z 07:25:22.3 | 42.1 | 81.7 | 1.1 | 17 | 4.7 | | |
| GEC2 | e P | Z 07:25:26.9 | 42.6 | 79.4 | 1.0 | 17 | 4.7 | | |
| CLL | e P | Z 07:25:26.0 | 42.6 | 81.6 | 1.2 | 18 | 4.7 | | |
| WET | e P | Z 07:25:30.6 | 43.0 | 79.2 | 1.1 | 15 | 4.6 | | |
| TANN | e P | Z 07:25:30.5 | 43.1 | 80.2 | 1.4 | 18 | 4.6 | | |
| ROTZ | e P | Z 07:25:33.4 | 43.4 | 79.4 | 1.5 | 23 | 4.7 | | |
| MOX | e P | Z 07:25:34.8 | 43.6 | 79.9 | 1.1 | 11 | 4.5 | | |
| BSEG | e P | Z 07:25:36.4 | 43.9 | 82.4 | 1.1 | 22 | 4.8 | | |
| GRA1 | e P | Z 07:25:38.5 | 44.0 | 78.7 | 1.1 | 42 | 5.1 | | |
| | e L | Z 07:45:25.2 | | | 19.3 | 639 | | 4.6 | |
| CLZ | e P | Z 07:25:38.6 | 44.1 | 80.3 | 1.1 | 9 | 4.4 | | |
| NRDL | e P | Z 07:25:39.3 | 44.2 | 80.8 | 1.5 | 31 | 4.8 | | |
| FUR | e P | Z 07:25:40.9 | 44.3 | 77.2 | 1.0 | 40 | 5.1 | | |
| UBBA | e P | Z 07:25:42.7 | 44.5 | 79.1 | 1.5 | 16 | 4.7 | | |
| TNS | e P | Z 07:25:51.6 | 45.6 | 77.5 | 1.6 | 30 | 5.1 | | |
| BFO | e P | Z 07:25:55.1 | 46.2 | 75.6 | 1.0 | 7 | 4.6 | | |
| WLF | e P | Z 07:26:03.6 | 47.2 | 75.5 | 0.9 | 11 | 5.0 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/10 07:35:50.1 30.963N 85.113E 33.0N 4.6
Xizang SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 07:45:32.1 | 56.9 | 79.6 | 0.9 | 6 | 4.6 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/10 08:04:28.9 43.990N 131.890W 33.0N 5.1 4.4
Off coast of Oregon, United States SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| BSEG | e P | Z 08:16:19.6 | 76.9 | 333.1 | 1.1 | 14 | 5.0 | | |
| IBBN | e P | Z 08:16:23.8 | 77.6 | 331.5 | 1.4 | 70 | 5.6 | | |
| NRDL | e P | Z 08:16:26.4 | 78.1 | 333.1 | 1.7 | 32 | 5.2 | | |
| BUG | e P | Z 08:16:26.4 | 78.2 | 331.3 | 1.4 | 34 | 5.2 | | |
| CLZ | e P | Z 08:16:30.5 | 78.8 | 333.3 | 1.5 | 43 | 5.2 | | |
| WLF | e P | Z 08:16:33.9 | 79.4 | 330.7 | 1.9 | 60 | 5.2 | | |
| UBBA | e P | Z 08:16:34.0 | 79.6 | 333.2 | 2.0 | 41 | 5.0 | | |
| TNS | e P | Z 08:16:34.6 | 79.7 | 332.2 | 1.2 | 30 | 5.1 | | |
| CLL | e P | Z 08:16:36.1 | 80.0 | 335.2 | 1.3 | 21 | 4.9 | | |
| MOX | e P | Z 08:16:37.6 | 80.2 | 334.3 | 1.7 | 23 | 4.9 | | |
| BRG | e P | Z 08:16:40.1 | 80.6 | 335.8 | 1.5 | 32 | 5.1 | | |

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Thu Apr 23 08:38:25 2020

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| | | | | | | | | | | |
|------|-----|---|------------|------|-------|------|-----|-----|-----|--|
| TANN | e P | Z | 08:16:40.1 | 80.6 | 334.9 | 1.9 | 20 | 4.8 | | |
| GRA1 | e P | Z | 08:16:41.9 | 80.9 | 334.1 | 1.6 | 56 | 5.3 | | |
| | e L | Z | 08:51:26.7 | | | 21.8 | 201 | | 4.4 | |
| ROTZ | e P | Z | 08:16:42.8 | 81.2 | 334.7 | 1.7 | 18 | 4.9 | | |
| BFO | e P | Z | 08:16:43.3 | 81.3 | 332.2 | 1.6 | 38 | 5.3 | | |
| WET | e P | Z | 08:16:46.6 | 81.9 | 335.2 | 1.4 | 15 | 4.9 | | |
| GEC2 | e P | Z | 08:16:49.0 | 82.4 | 335.8 | 1.5 | 16 | 5.0 | | |
| RJOB | e P | Z | 08:16:53.5 | 83.2 | 335.2 | 1.4 | 14 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/10 | 08:01:14.7 | 20.101S | 170.171E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPbc | Z 08:20:46.4 | 144.6 | 34.0 | | | | | |
| TANN | e PKPbc | Z 08:20:47.1 | 144.9 | 38.3 | | | | | |
| WERD | e PKPbc | Z 08:20:47.2 | 145.0 | 38.1 | | | | | |
| PLN | e PKPbc | Z 08:20:47.5 | 145.0 | 37.8 | | | | | |
| IBBN | e PKPbc | Z 08:20:48.0 | 145.0 | 29.7 | | | | | |
| WERN | e PKPbc | Z 08:20:47.8 | 145.1 | 38.3 | | | | | |
| NKC | e PKPbc | Z 08:20:47.8 | 145.1 | 38.5 | | | | | |
| ROTZ | e PKPbc | Z 08:20:49.6 | 145.5 | 38.5 | | | | | |
| GEC2 | e PKPbc | Z 08:20:49.4 | 145.6 | 41.6 | | | | | |
| GRA1 | e PKPbc | Z 08:20:50.6 | 146.0 | 37.1 | | | | | |
| WLF | e PKPbc | Z 08:20:57.1 | 147.8 | 29.0 | | | | | |
| BFO | e PKPbc | Z 08:21:00.0 | 148.2 | 33.7 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/10 | 10:50:12.4 | 21.543S | 167.064E | 81.4 | | | | SZGRF |

Loyalty Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z 11:09:38.0 | 144.9 | 44.0 | | | | | |
| | e pPKPbc | Z 11:10:00.5 | | | | | | | |
| WERD | e PKPbc | Z 11:09:38.2 | 145.0 | 43.7 | | | | | |
| | e pPKPbc | Z 11:10:00.6 | | | | | | | |
| PLN | e pPKPbc | Z 11:10:00.9 | 145.0 | 43.5 | | | | | |
| GUNZ | e PKPbc | Z 11:09:38.3 | 145.0 | 43.8 | | | | | |
| | e pPKPbc | Z 11:10:00.8 | | | | | | | |
| WERN | e pPKPbc | Z 11:10:01.1 | 145.1 | 44.0 | | | | | |
| NKC | e PKPbc | Z 11:09:38.7 | 145.1 | 44.1 | | | | | |
| | e pPKPbc | Z 11:10:01.7 | | | | | | | |
| MOX | e pPKPbc | Z 11:10:01.1 | 145.1 | 42.5 | | | | | |
| GEC2 | e pPKPbc | Z 11:10:02.4 | 145.4 | 47.3 | | | | | |
| WET | e pPKPbc | Z 11:10:03.0 | 145.6 | 45.9 | | | | | |

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GRA1 e pPKPbc Z 11:10:04.3 146.0 42.9

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/10 12:39: 9.4 20.746S 169.771E 33.0N
Vanuatu Islands SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| NRDL | e PKPbc | Z | 12:58:40.6 | 144.6 | 34.1 | | | | | |
| CLZ | e PKPbc | Z | 12:58:41.7 | 145.0 | 35.0 | | | | | |
| TANN | e PKPbc | Z | 12:58:42.6 | 145.4 | 39.4 | | | | | |
| IBBN | e PKPbc | Z | 12:58:42.9 | 145.5 | 30.7 | | | | | |
| MOX | e PKPbc | Z | 12:58:42.7 | 145.5 | 37.9 | | | | | |
| ROTZ | e PKPbc | Z | 12:58:44.4 | 146.0 | 39.6 | | | | | |
| UBBA | e PKPbc | Z | 12:58:44.2 | 146.0 | 35.3 | | | | | |
| GEC2 | e PKPbc | Z | 12:58:44.0 | 146.0 | 42.7 | | | | | |
| GRA1 | e PKPbc | Z | 12:58:46.5 | 146.4 | 38.2 | | | | | |
| TNS | e PKPbc | Z | 12:58:47.7 | 147.0 | 33.4 | | | | | |
| RJOB | e PKPbc | Z | 12:58:48.5 | 147.2 | 42.5 | | | | | |
| STU | e PKPbc | Z | 12:58:50.4 | 148.0 | 35.9 | | | | | |
| WLF | e PKPbc | Z | 12:58:51.4 | 148.3 | 30.1 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/10 13:07:25.3 26.940S 175.340E 640.5
South of Fiji Islands SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 13:26:06.5 | 150.8 | 28.2 | | | | | |
| | e PKPab | Z | 13:26:16.4 | | | | | | | |
| NRDL | e PKPdf | Z | 13:26:02.0 | 152.2 | 29.1 | | | | | |
| | e PKPbc | Z | 13:26:09.0 | | | | | | | |
| | e PKPab | Z | 13:26:22.1 | | | | | | | |
| BRG | e PKPdf | Z | 13:26:02.7 | 152.2 | 37.6 | | | | | |
| | e PKPbc | Z | 13:26:10.2 | | | | | | | |
| | e PKPab | Z | 13:26:23.9 | | | | | | | |
| | e pPKPbc | Z | 13:28:35.4 | | | | | | | |
| CLL | e PKPbc | Z | 13:26:09.8 | 152.2 | 35.5 | | | | | |
| | e PKPab | Z | 13:26:23.1 | | | | | | | |
| | e pPKPbc | Z | 13:28:35.5 | | | | | | | |
| CLZ | e PKPdf | Z | 13:26:03.5 | 152.6 | 30.2 | | | | | |
| | e PKPbc | Z | 13:26:10.7 | | | | | | | |
| | e PKPab | Z | 13:26:24.7 | | | | | | | |
| | e pPKPbc | Z | 13:28:36.1 | | | | | | | |
| PST | e PKPbc | Z | 13:26:11.2 | 152.8 | 34.6 | | | | | |
| | e PKPab | Z | 13:26:26.1 | | | | | | | |
| IBBN | e PKPbc | Z | 13:26:11.7 | 153.0 | 25.0 | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| | e | PKPab | Z | 13:26:25.3 | | |
| TANN | e | PKPbc | Z | 13:26:12.1 | 153.1 | 35.5 |
| | e | PKPab | Z | 13:26:27.4 | | |
| WERD | e | PKPbc | Z | 13:26:12.2 | 153.2 | 35.2 |
| | e | PKPab | Z | 13:26:27.4 | | |
| PLN | e | PKPbc | Z | 13:26:12.3 | 153.2 | 34.9 |
| | e | PKPab | Z | 13:26:27.6 | | |
| GUNZ | e | PKPbc | Z | 13:26:12.6 | 153.2 | 35.3 |
| | e | PKPab | Z | 13:26:27.7 | | |
| MOX | e | PKPbc | Z | 13:26:12.5 | 153.2 | 33.7 |
| | e | PKPab | Z | 13:26:27.4 | | |
| WERN | e | PKPbc | Z | 13:26:12.6 | 153.3 | 35.5 |
| | e | PKPab | Z | 13:26:28.1 | | |
| NKC | e | PKPbc | Z | 13:26:12.3 | 153.3 | 35.7 |
| | e | PKPab | Z | 13:26:28.4 | | |
| UBBA | e | PKPdf | Z | 13:26:03.1 | 153.6 | 30.5 |
| | e | PKPbc | Z | 13:26:12.9 | | |
| | e | PKPab | Z | 13:26:28.5 | | |
| ROTZ | e | PKPbc | Z | 13:26:13.4 | 153.8 | 35.8 |
| | e | PKPab | Z | 13:26:30.6 | | |
| GEC2 | e | PKPdf | Z | 13:26:04.6 | 153.9 | 39.6 |
| | e | PKPbc | Z | 13:26:14.1 | | |
| | e | PKPab | Z | 13:26:31.5 | | |
| BUG | e | PKPab | Z | 13:26:28.9 | 153.9 | 24.8 |
| WET | e | PKPdf | Z | 13:26:04.3 | 154.0 | 37.8 |
| | e | PKPbc | Z | 13:26:14.1 | | |
| | e | PKPab | Z | 13:26:31.8 | | |
| GRA1 | e | PKPab | Z | 13:26:32.1 | 154.2 | 34.1 |
| GRFO | e | PKPab | Z | 13:26:32.3 | 154.2 | 34.1 |
| TNS | e | PKPab | Z | 13:26:33.1 | 154.6 | 28.2 |
| RJOB | e | PKPab | Z | 13:26:37.3 | 155.1 | 39.5 |
| FUR | e | PKPab | Z | 13:26:38.0 | 155.4 | 36.0 |
| STU | e | PKPab | Z | 13:26:37.8 | 155.7 | 31.2 |
| WLF | e | PKPab | Z | 13:26:37.8 | 155.8 | 24.1 |
| BFO | e | PKPab | Z | 13:26:40.5 | 156.3 | 30.0 |

Date 2008/04/10
 Origin Time 13:25:28.2
 Lat 19.737S
 Long 171.040E
 Depth 33.0N
 mb
 Ms
 ML
 Source SZGRF
 Vanuatu Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e | PKPbc | Z 13:44:54.6 | 142.8 | 30.9 | | | | | |
| BRG | e | PKPbc | Z 13:44:58.6 | 144.0 | 38.6 | | | | | |
| CLZ | e | PKPbc | Z 13:45:00.0 | 144.5 | 32.5 | | | | | |
| IBBN | e | PKPbc | Z 13:45:01.6 | 144.9 | 28.1 | | | | | |
| TANN | e | PKPbc | Z 13:45:01.1 | 144.9 | 36.8 | | | | | |
| MOX | e | PKPbc | Z 13:45:01.5 | 145.1 | 35.3 | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| UBBA | e | PKPbc | Z | 13:45:03.1 | 145.5 | 32.7 |
| ROTZ | e | PKPbc | Z | 13:45:03.7 | 145.6 | 36.9 |
| GEC2 | e | PKPbc | Z | 13:45:03.2 | 145.7 | 40.0 |
| WET | e | PKPbc | Z | 13:45:03.8 | 145.8 | 38.5 |
| BUG | e | PKPbc | Z | 13:45:04.2 | 145.8 | 27.9 |
| GRA1 | e | PKPbc | Z | 13:45:04.1 | 146.0 | 35.5 |
| RJOB | e | PKPbc | Z | 13:45:08.1 | 146.9 | 39.7 |
| WLF | e | PKPbc | Z | 13:45:10.8 | 147.7 | 27.4 |
| BFO | e | PKPbc | Z | 13:45:11.2 | 148.2 | 32.0 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/10 | 13:56:22.4 | 53.143N | 162.480W | 33.0N | 4.8 | | | SZGRF |

South of Alaska

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z 14:08:12.5 | 77.0 | 356.1 | 0.9 | 7 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/10 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 14:13:05.0 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/10 | 17:41:30.3 | 34.524S | 14.975W | 33.0N | 5.0 | | | SZGRF |

Tristan da Cunha region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z 17:54:14.4 | 87.4 | 201.4 | 1.5 | 20 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/10 | 19:24: 9.8 | 19.737S | 171.040E | 33.0N | | | | SZGRF |

Vanuatu Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| IBBN | e PKPbc | Z 19:43:42.6 | 144.9 | 28.1 | | | | | |
| TANN | e PKPbc | Z 19:43:42.1 | 144.9 | 36.8 | | | | | |
| MOX | e PKPbc | Z 19:43:42.8 | 145.1 | 35.3 | | | | | |
| ROTZ | e PKPbc | Z 19:43:44.3 | 145.6 | 36.9 | | | | | |
| GRA1 | e PKPbc | Z 19:43:45.7 | 146.0 | 35.5 | | | | | |
| WLF | e PKPbc | Z 19:43:51.6 | 147.7 | 27.4 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/10 | 22:28:58.7 | 36.386S | 14.561W | 33.0N | 4.8 | | | SZGRF |

Tristan da Cunha region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z 22:41:50.7 | 89.1 | 200.5 | 1.4 | 10 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 01:34:24.1 | 21.550S | 169.260E | 31.4 | | | | SZGRF |

Southeast of Loyalty Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|----|----|
| CLL | e PKPbc | Z 01:53:56.1 | 145.0 | 40.7 | | | | | |
| TANN | e PKPbc | Z 01:53:59.4 | 145.9 | 40.8 | | | | | |
| WERD | e PKPbc | Z 01:53:59.5 | 145.9 | 40.5 | | | | | |
| GUNZ | e PKPbc | Z 01:53:59.9 | 146.0 | 40.6 | | | | | |
| WERN | e PKPbc | Z 01:54:00.2 | 146.0 | 40.8 | | | | | |
| MOX | e PKPbc | Z 01:53:59.8 | 146.0 | 39.3 | | | | | |
| IBBN | e PKPbc | Z 01:53:59.8 | 146.1 | 31.9 | | | | | |
| ROTZ | e PKPbc | Z 01:54:01.7 | 146.5 | 41.0 | | | | | |
| GEC2 | e PKPbc | Z 01:54:01.4 | 146.5 | 44.2 | | | | | |
| WET | e PKPbc | Z 01:54:02.0 | 146.6 | 42.7 | | | | | |
| GRA1 | e PKPbc | Z 01:54:03.2 | 146.9 | 39.6 | | | | | |
| | e pPKPbc | Z 01:54:12.6 | | | | | | | |
| BUG | e PKPbc | Z 01:54:02.5 | 147.0 | 31.9 | | | | | |
| TNS | e PKPbc | Z 01:54:05.4 | 147.6 | 34.8 | | | | | |
| FUR | e PKPbc | Z 01:54:06.2 | 148.1 | 41.3 | | | | | |
| WLF | e PKPbc | Z 01:54:08.9 | 148.9 | 31.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 02:23:25.3 | 16.200N | 144.900E | 10.0 | | | | NEIC |

Mariana Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|-------|------|------|-------|----|----|----|
| GRA1 | e PP | Z 02:41:37.9 | 102.5 | 45.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/11 | 03:16:40.4 | 16.100N | 144.900E | 10.0 | | 5.3 | | NEIC |

Mariana Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|-------|------|------|-------|----|-----|----|
| GRA1 | e PP | Z | 03:34:52.2 | 102.6 | 45.4 | | | | | |
| | e L | Z | 04:19:27.5 | | | 21.8 | 909 | | 5.3 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 04:15: 7.1 | 21.530S | 169.530E | 33.0N | | | | SZGRF |

Southeast of Loyalty Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 04:34:40.4 | 145.0 | 42.1 | | | | | |
| FBE | e PKPbc | Z | 04:34:40.4 | 145.2 | 41.2 | | | | | |
| CLZ | e PKPbc | Z | 04:34:41.8 | 145.7 | 35.9 | | | | | |
| WERD | e PKPbc | Z | 04:34:42.5 | 146.0 | 40.1 | | | | | |
| GUNZ | e PKPbc | Z | 04:34:42.7 | 146.1 | 40.2 | | | | | |
| WERN | e PKPbc | Z | 04:34:42.8 | 146.1 | 40.4 | | | | | |
| NKC | e PKPbc | Z | 04:34:42.9 | 146.1 | 40.5 | | | | | |
| MOX | e PKPbc | Z | 04:34:43.0 | 146.1 | 38.9 | | | | | |
| IBBN | e PKPbc | Z | 04:34:43.1 | 146.2 | 31.5 | | | | | |
| ROTZ | e PKPbc | Z | 04:34:44.4 | 146.6 | 40.6 | | | | | |
| GEC2 | e PKPbc | Z | 04:34:45.1 | 146.6 | 43.8 | | | | | |
| UBBA | e PKPbc | Z | 04:34:44.1 | 146.6 | 36.3 | | | | | |
| WET | e PKPbc | Z | 04:34:45.8 | 146.7 | 42.2 | | | | | |
| GRA1 | e PKPbc | Z | 04:34:46.8 | 147.0 | 39.2 | | | | | |
| WLF | e PKPbc | Z | 04:34:52.3 | 148.9 | 31.1 | | | | | |
| BFO | e PKPbc | Z | 04:34:54.2 | 149.3 | 35.9 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 04:17:51.3 | 20.950S | 170.700E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 04:37:23.8 | 145.0 | 39.9 | | | | | |
| CLZ | e PKPbc | Z | 04:37:25.4 | 145.5 | 33.7 | | | | | |
| TANN | e PKPbc | Z | 04:37:26.5 | 145.9 | 38.2 | | | | | |
| IBBN | e PKPbc | Z | 04:37:26.8 | 146.0 | 29.3 | | | | | |
| MOX | e PKPbc | Z | 04:37:26.8 | 146.1 | 36.7 | | | | | |
| UBBA | e PKPbc | Z | 04:37:28.5 | 146.5 | 34.0 | | | | | |
| ROTZ | e PKPbc | Z | 04:37:29.0 | 146.5 | 38.4 | | | | | |
| GEC2 | e PKPbc | Z | 04:37:29.2 | 146.6 | 41.5 | | | | | |
| WET | e PKPbc | Z | 04:37:29.5 | 146.7 | 40.0 | | | | | |
| GRA1 | e PKPbc | Z | 04:37:30.4 | 147.0 | 36.9 | | | | | |
| BFO | e PKPbc | Z | 04:37:39.2 | 149.2 | 33.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 04:34:39.6 | 21.320S | 169.910E | 19.4 | | | | SZGRF |

Southeast of Loyalty Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 04:54:11.5 | 145.0 | 41.4 | | | | | |
| CLL | e PKPbc | Z | 04:54:11.5 | 145.0 | 39.6 | | | | | |
| CLZ | e PKPbc | Z | 04:54:14.0 | 145.6 | 35.2 | | | | | |
| TANN | e PKPbc | Z | 04:54:15.0 | 145.9 | 39.6 | | | | | |
| IBBN | e PKPbc | Z | 04:54:15.5 | 146.1 | 30.8 | | | | | |
| MOX | e PKPbc | Z | 04:54:15.6 | 146.1 | 38.1 | | | | | |
| ROTZ | e PKPbc | Z | 04:54:17.6 | 146.5 | 39.9 | | | | | |
| UBBA | e PKPbc | Z | 04:54:17.1 | 146.6 | 35.5 | | | | | |
| GEC2 | e PKPbc | Z | 04:54:17.2 | 146.6 | 43.0 | | | | | |
| WET | e PKPbc | Z | 04:54:18.0 | 146.7 | 41.5 | | | | | |
| BUG | e PKPbc | Z | 04:54:18.4 | 147.0 | 30.7 | | | | | |
| GRA1 | e PKPbc | Z | 04:54:19.1 | 147.0 | 38.4 | | | | | |
| | e pPKPbc | Z | 04:54:24.9 | | | | | | | |
| TNS | e PKPbc | Z | 04:54:20.7 | 147.6 | 33.6 | | | | | |
| FUR | e PKPbc | Z | 04:54:22.4 | 148.2 | 40.0 | | | | | |
| STU | e PKPbc | Z | 04:54:23.2 | 148.5 | 36.1 | | | | | |
| WLF | e PKPbc | Z | 04:54:24.7 | 148.9 | 30.3 | | | | | |
| BFO | e PKPbc | Z | 04:54:24.8 | 149.2 | 35.1 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/11 | 05:02:53.5 | 16.200N | 144.900E | 10.0 | | 5.2 | | NEIC |

Mariana Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|-------|------|------|-------|----|-----|----|
| BSEG | e PP | Z | 05:20:44.3 | 99.9 | 44.0 | | | | | |
| BRG | e PP | Z | 05:20:48.3 | 100.4 | 47.5 | | | | | |
| NRDL | e PP | Z | 05:20:53.1 | 101.0 | 44.0 | | | | | |
| CLZ | e PP | Z | 05:20:55.9 | 101.3 | 44.3 | | | | | |
| TANN | e PP | Z | 05:20:56.3 | 101.4 | 46.3 | | | | | |
| MOX | e PP | Z | 05:20:58.0 | 101.6 | 45.5 | | | | | |
| WET | e PP | Z | 05:21:01.9 | 102.1 | 46.9 | | | | | |
| UBBA | e PP | Z | 05:21:02.3 | 102.2 | 44.1 | | | | | |
| GRA1 | e PP | Z | 05:21:05.0 | 102.5 | 45.3 | 2.1 | 36 | | | |
| | e SS | N | 05:35:52.7 | | | | | | | |
| | e L | Z | 06:05:39.2 | | | 22.0 | 857 | | 5.2 | |
| BUG | e PP | Z | 05:21:07.1 | 102.9 | 41.6 | | | | | |
| WLF | e PP | Z | 05:21:20.9 | 104.8 | 40.9 | | | | | |
| BFO | e PP | Z | 05:21:17.6 | 104.8 | 43.1 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------|-------------|-----|------|-------|----|----|----|--------|
|------|-------------|-----|------|-------|----|----|----|--------|

2008/04/11 06:58:10.2

20.600S

169.140E

33.0N

SZGRF

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z | 07:17:43.4 | 145.0 | 40.2 | | | | | |
| WERD | e PKPbc | Z | 07:17:42.8 | 145.0 | 40.0 | | | | | |
| PLN | e PKPbc | Z | 07:17:43.3 | 145.0 | 39.7 | | | | | |
| GUNZ | e PKPbc | Z | 07:17:42.9 | 145.1 | 40.1 | | | | | |
| NKC | e PKPbc | Z | 07:17:43.2 | 145.1 | 40.4 | | | | | |
| MOX | e PKPbc | Z | 07:17:43.3 | 145.1 | 38.8 | | | | | |
| IBBN | e PKPbc | Z | 07:17:43.3 | 145.2 | 31.5 | | | | | |
| ROTZ | e PKPbc | Z | 07:17:45.0 | 145.6 | 40.4 | | | | | |
| WLF | e PKPbc | Z | 07:17:52.4 | 147.9 | 31.1 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/11 08:01:40.0 37.697N 26.820E 0.0G 4.0
 Dodecanese Islands, Greece

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| GEC2 | e P | Z | 08:05:15.0 | 14.6 | 134.7 | 1.1 | 5 | 3.7 | | |
| WET | e P | Z | 08:05:21.2 | 15.2 | 133.5 | 0.7 | 5 | 3.9 | | |
| ROTZ | e P | Z | 08:05:29.0 | 16.0 | 133.5 | 1.7 | 13 | 4.1 | | |
| BRG | e P | Z | 08:05:30.1 | 16.0 | 140.3 | 0.8 | 5 | 4.0 | | |
| WERN | e P | Z | 08:05:32.4 | 16.3 | 135.2 | 0.9 | 5 | 4.0 | | |
| FBE | e P | Z | 08:05:33.3 | 16.3 | 139.0 | 0.9 | 10 | 4.2 | | |
| TANN | e P | Z | 08:05:33.1 | 16.3 | 135.7 | 0.8 | 3 | 3.7 | | |
| GUNZ | e P | Z | 08:05:33.3 | 16.3 | 135.3 | 1.3 | 10 | 4.1 | | |
| GRA1 | e P | Z | 08:05:33.9 | 16.4 | 131.1 | 0.6 | 8 | 4.3 | | |
| WERD | e P | Z | 08:05:34.0 | 16.4 | 135.4 | 0.9 | 4 | 3.9 | | |
| PLN | e P | Z | 08:05:35.2 | 16.5 | 135.2 | 1.0 | 15 | 4.4 | | |
| MOX | e P | Z | 08:05:41.8 | 16.9 | 134.3 | 1.0 | 6 | 3.9 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/11 15:54:12.6 21.200S 170.170E 26.0
 Southeast of Loyalty Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 16:13:45.0 | 145.0 | 40.9 | | | | | |
| CLL | e PKPbc | Z | 16:13:45.1 | 145.0 | 39.1 | | | | | |
| NRDL | e PKPbc | Z | 16:13:45.7 | 145.1 | 33.8 | | | | | |
| FBE | e PKPbc | Z | 16:13:45.6 | 145.2 | 40.0 | | | | | |
| CLZ | e PKPbc | Z | 16:13:46.9 | 145.6 | 34.7 | | | | | |
| TANN | e PKPbc | Z | 16:13:48.0 | 145.9 | 39.2 | | | | | |
| WERD | e PKPbc | Z | 16:13:48.0 | 146.0 | 38.9 | | | | | |
| GUNZ | e PKPbc | Z | 16:13:48.4 | 146.0 | 39.0 | | | | | |

| | | | | | | |
|------|---|--------|---|------------|-------|------|
| IBBN | e | PKPbc | Z | 16:13:48.5 | 146.1 | 30.3 |
| WERN | e | PKPbc | Z | 16:13:48.5 | 146.1 | 39.1 |
| MOX | e | PKPbc | Z | 16:13:48.4 | 146.1 | 37.7 |
| ROTZ | e | PKPbc | Z | 16:13:50.4 | 146.5 | 39.4 |
| UBBA | e | PKPbc | Z | 16:13:50.1 | 146.6 | 35.0 |
| GEC2 | e | PKPbc | Z | 16:13:50.1 | 146.6 | 42.5 |
| WET | e | PKPbc | Z | 16:13:50.5 | 146.7 | 41.0 |
| BUG | e | PKPbc | Z | 16:13:51.3 | 147.0 | 30.2 |
| GRA1 | e | PKPbc | Z | 16:13:52.2 | 147.0 | 37.9 |
| | e | pPKPbc | Z | 16:14:00.0 | | |
| GRFO | e | PKPbc | Z | 16:13:52.2 | 147.0 | 37.9 |
| TNS | e | PKPbc | Z | 16:13:53.6 | 147.6 | 33.1 |
| FUR | e | PKPbc | Z | 16:13:55.4 | 148.2 | 39.5 |
| STU | e | PKPbc | Z | 16:13:56.3 | 148.5 | 35.6 |
| WLF | e | PKPbc | Z | 16:13:57.5 | 148.8 | 29.8 |
| BFO | e | PKPbc | Z | 16:13:58.2 | 149.2 | 34.6 |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/11 16:35:54.4 20.880S 170.780E 35.0 5.9
 Vanuatu Islands SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------|------|------------|-------|-------|------|------|-----|
| BRG | e | PKPbc | Z | 16:55:25.6 | 144.9 | 39.8 | | | |
| CLL | e | PKPbc | Z | 16:55:26.2 | 145.0 | 38.0 | | | |
| NRDL | e | PKPbc | Z | 16:55:26.8 | 145.0 | 32.7 | | | |
| FBE | e | PKPbc | Z | 16:55:27.4 | 145.1 | 38.9 | | | |
| CLZ | e | PKPbc | Z | 16:55:28.6 | 145.5 | 33.6 | | | |
| TANN | e | PKPbc | Z | 16:55:29.8 | 145.9 | 38.0 | | | |
| WERD | e | PKPbc | Z | 16:55:28.6 | 145.9 | 37.7 | | | |
| IBBN | e | PKPbc | Z | 16:55:29.9 | 145.9 | 29.2 | | | |
| GUNZ | e | PKPbc | Z | 16:55:29.0 | 146.0 | 37.8 | | | |
| WERN | e | PKPbc | Z | 16:55:29.4 | 146.0 | 38.0 | | | |
| MOX | e | PKPbc | Z | 16:55:30.1 | 146.0 | 36.5 | | | |
| UBBA | e | PKPbc | Z | 16:55:31.8 | 146.5 | 33.8 | | | |
| ROTZ | e | PKPbc | Z | 16:55:32.2 | 146.5 | 38.2 | | | |
| GEC2 | e | PKPbc | Z | 16:55:31.9 | 146.6 | 41.4 | | | |
| WET | e | PKPbc | Z | 16:55:32.7 | 146.7 | 39.8 | | | |
| BUG | e | PKPbc | Z | 16:55:32.8 | 146.8 | 29.0 | | | |
| GRA1 | e | PKPbc | Z | 16:55:33.7 | 146.9 | 36.7 | | | |
| | e | pPKPbc | Z | 16:55:44.1 | | | | | |
| | e | L | Z | 18:04:54.0 | | | 20.1 | 2172 | 5.9 |
| TNS | e | PKPbc | Z | 16:55:35.3 | 147.5 | 31.9 | | | |
| FUR | e | PKPbc | Z | 16:55:36.8 | 148.1 | 38.3 | | | |
| STU | e | PKPbc | Z | 16:55:37.8 | 148.5 | 34.4 | | | |
| WLF | e | PKPbc | Z | 16:55:39.1 | 148.7 | 28.5 | | | |
| BFO | e | PKPbc | Z | 16:55:39.3 | 149.1 | 33.3 | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/11 | 17:03:1.2 | 47.042N | 153.498E | 33.0N | 5.0 | | | SZGRF |

Kuril Islands, Russia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| NRDL | e P | Z | 17:14:43.0 | 75.7 | 24.8 | 1.6 | 20 | 5.0 | | |
| CLL | e P | Z | 17:14:44.6 | 76.0 | 26.5 | 1.4 | 21 | 5.1 | | |
| BRG | e P | Z | 17:14:45.9 | 76.1 | 27.1 | 1.0 | 4 | 4.5 | | |
| CLZ | e P | Z | 17:14:46.7 | 76.2 | 24.9 | 1.4 | 30 | 5.2 | | |
| TANN | e P | Z | 17:14:50.4 | 76.9 | 26.1 | 1.6 | 12 | 4.8 | | |
| MOX | e P | Z | 17:14:50.6 | 76.9 | 25.6 | 1.2 | 10 | 4.8 | | |
| ROTZ | e P | Z | 17:14:54.3 | 77.6 | 25.9 | 1.2 | 12 | 4.9 | | |
| GRA1 | e P | Z | 17:14:56.2 | 77.9 | 25.2 | 1.3 | 37 | 5.4 | | |
| WET | e P | Z | 17:14:56.5 | 77.9 | 26.2 | 1.4 | 16 | 5.0 | | |
| TNS | e P | Z | 17:14:57.7 | 78.2 | 23.5 | 1.2 | 18 | | | |
| BFO | e P | Z | 17:15:07.7 | 79.9 | 23.3 | 1.5 | 23 | 4.9 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 17:24:47.8 | 19.560S | 171.477E | 33.0N | | | | SZGRF |

Vanuatu Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 17:44:13.1 | 142.7 | 30.2 | | | | | |
| BRG | e PKPbc | Z | 17:44:16.9 | 144.0 | 37.8 | | | | | |
| CLZ | e PKPbc | Z | 17:44:18.7 | 144.5 | 31.7 | | | | | |
| IBBN | e PKPbc | Z | 17:44:20.0 | 144.9 | 27.3 | | | | | |
| TANN | e PKPbc | Z | 17:44:19.9 | 144.9 | 36.0 | | | | | |
| MOX | e PKPbc | Z | 17:44:20.2 | 145.1 | 34.5 | | | | | |
| UBBA | e PKPbc | Z | 17:44:21.8 | 145.5 | 31.9 | | | | | |
| ROTZ | e PKPbc | Z | 17:44:22.2 | 145.6 | 36.2 | | | | | |
| GEC2 | e PKPbc | Z | 17:44:21.9 | 145.7 | 39.2 | | | | | |
| BUG | e PKPbc | Z | 17:44:23.3 | 145.8 | 27.1 | | | | | |
| WET | e PKPbc | Z | 17:44:22.7 | 145.8 | 37.7 | | | | | |
| GRA1 | e PKPbc | Z | 17:44:23.7 | 146.0 | 34.7 | | | | | |
| TNS | e PKPbc | Z | 17:44:25.4 | 146.5 | 29.9 | | | | | |
| FUR | e PKPbc | Z | 17:44:27.9 | 147.2 | 36.1 | | | | | |
| STU | e PKPbc | Z | 17:44:28.5 | 147.5 | 32.3 | | | | | |
| WLF | e PKPbc | Z | 17:44:29.3 | 147.7 | 26.5 | | | | | |
| BFO | e PKPbc | Z | 17:44:30.5 | 148.2 | 31.2 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/11 | 17:42:27.6 | 19.849S | 170.768E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 18:01:56.4 | 144.0 | 39.0 | | | | | |
| CLZ | e PKPbc | Z | 18:01:59.2 | 144.5 | 32.9 | | | | | |
| TANN | e PKPbc | Z | 18:02:00.1 | 144.9 | 37.3 | | | | | |
| IBBN | e PKPbc | Z | 18:02:00.4 | 145.0 | 28.6 | | | | | |
| MOX | e PKPbc | Z | 18:02:00.5 | 145.1 | 35.8 | | | | | |
| UBBA | e PKPbc | Z | 18:02:02.0 | 145.5 | 33.2 | | | | | |
| ROTZ | e PKPbc | Z | 18:02:02.4 | 145.6 | 37.4 | | | | | |
| GEC2 | e PKPbc | Z | 18:02:02.2 | 145.7 | 40.5 | | | | | |
| WET | e PKPbc | Z | 18:02:02.6 | 145.8 | 39.0 | | | | | |
| BUG | e PKPbc | Z | 18:02:02.3 | 145.9 | 28.4 | | | | | |
| GRA1 | e PKPbc | Z | 18:02:03.5 | 146.0 | 36.0 | | | | | |
| TNS | e PKPbc | Z | 18:02:05.7 | 146.5 | 31.2 | | | | | |
| FUR | e PKPbc | Z | 18:02:07.2 | 147.2 | 37.5 | | | | | |
| STU | e PKPbc | Z | 18:02:08.3 | 147.5 | 33.6 | | | | | |
| WLF | e PKPbc | Z | 18:02:09.6 | 147.8 | 27.9 | | | | | |
| BFO | e PKPbc | Z | 18:02:09.9 | 148.2 | 32.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/11 | 17:45: 6.4 | 19.473S | 171.695E | 33.1 | | 6.0 | | SZGRF |

Vanuatu Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|-----|----|
| BSEG | e PKPbc | Z | 18:04:30.9 | 142.7 | 29.8 | | | | | |
| RUE | e PKPbc | Z | 18:04:32.6 | 142.8 | 35.9 | | | | | |
| NRDL | e PKPbc | Z | 18:04:35.6 | 144.0 | 30.4 | | | | | |
| BRG | e PKPbc | Z | 18:04:34.8 | 144.0 | 37.4 | | | | | |
| CLL | e PKPbc | Z | 18:04:34.8 | 144.0 | 35.7 | | | | | |
| CLZ | e PKPbc | Z | 18:04:37.4 | 144.5 | 31.3 | | | | | |
| IBBN | e PKPbc | Z | 18:04:38.5 | 144.9 | 27.0 | | | | | |
| TANN | e PKPbc | Z | 18:04:38.5 | 145.0 | 35.6 | | | | | |
| GUNZ | e PKPbc | Z | 18:04:39.9 | 145.0 | 35.4 | | | | | |
| MOX | e PKPbc | Z | 18:04:38.8 | 145.1 | 34.1 | | | | | |
| WERN | e PKPbc | Z | 18:04:39.3 | 145.1 | 35.6 | | | | | |
| UBBA | e PKPbc | Z | 18:04:40.4 | 145.5 | 31.5 | | | | | |
| ROTZ | e PKPbc | Z | 18:04:40.7 | 145.6 | 35.8 | | | | | |
| GEC2 | e PKPbc | Z | 18:04:40.5 | 145.7 | 38.8 | | | | | |
| BUG | e PKPbc | Z | 18:04:41.5 | 145.8 | 26.7 | | | | | |
| WET | e PKPbc | Z | 18:04:41.3 | 145.8 | 37.3 | | | | | |
| GRA1 | e PKPbc | Z | 18:04:42.3 | 146.0 | 34.3 | | | | | |
| | e pPKPbc | Z | 18:04:52.2 | | | | | | | |
| | e SS | T | 18:27:08.1 | | | | | | | |
| | e L | Z | 19:22:10.0 | | | 18.9 | 2158 | | 6.0 | |
| TNS | e PKPbc | Z | 18:04:44.1 | 146.5 | 29.5 | | | | | |
| FUR | e PKPbc | Z | 18:04:45.5 | 147.2 | 35.7 | | | | | |
| STU | e PKPbc | Z | 18:04:46.3 | 147.5 | 31.8 | | | | | |

GRA1 e PKPbc Z 00:14:19.3

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-------------------------------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/12 | 00:30: 8.3 | 55.840S | 159.490E | 10.0 | | 7.4 | | NEIC |
| Macquarie Island, Australia, region | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|-------|------|-------|----|-----|----|
| RJOB | e PKPdf | Z | 00:50:06.3 | 158.1 | 124.2 | | | | | |
| | e PP | Z | 00:54:18.3 | | | | | | | |
| GEC2 | e PKPdf | Z | 00:50:04.6 | 158.2 | 121.7 | | | | | |
| WET | e PKPdf | Z | 00:50:05.9 | 158.8 | 121.1 | | | | | |
| | e PKPab | Z | 00:50:42.9 | | | | | | | |
| BRG | e PKPdf | Z | 00:50:07.4 | 159.1 | 117.2 | | | | | |
| | e PKPab | Z | 00:50:44.3 | | | | | | | |
| | e PP | Z | 00:54:24.0 | | | | | | | |
| FUR | e PKPdf | Z | 00:50:08.3 | 159.2 | 123.6 | | | | | |
| | e PKPab | Z | 00:50:44.8 | | | | | | | |
| | e PP | Z | 00:54:23.6 | | | | | | | |
| ROTZ | e PKPdf | Z | 00:50:07.0 | 159.5 | 119.8 | | | | | |
| | e PKPab | Z | 00:50:46.5 | | | | | | | |
| TANN | e PKPdf | Z | 00:50:08.7 | 159.7 | 118.3 | | | | | |
| | e PKPab | Z | 00:50:47.0 | | | | | | | |
| | e PP | Z | 00:54:26.8 | | | | | | | |
| CLL | e PKPdf | Z | 00:50:07.8 | 159.8 | 116.1 | | | | | |
| | e PKPab | Z | 00:50:47.3 | | | | | | | |
| | e PP | Z | 00:54:26.0 | | | | | | | |
| GRA1 | e PKP | Z | 00:50:07.3 | 160.0 | 120.1 | | | | | |
| | e PKPab | Z | 00:50:48.5 | | | | | | | |
| | e PP | Z | 00:54:32.0 | | | | | | | |
| | e L | Z | 02:08:01.1 | | | 20.6 | 52151 | | 7.4 | |
| MOX | e PKPdf | Z | 00:50:07.8 | 160.3 | 117.7 | | | | | |
| | e PKPab | Z | 00:50:49.8 | | | | | | | |
| STU | e PKPdf | Z | 00:50:10.4 | 160.7 | 122.7 | | | | | |
| | e PKPab | Z | 00:50:51.4 | | | | | | | |
| | e PP | Z | 00:54:31.9 | | | | | | | |
| BFO | e PKPdf | Z | 00:50:10.2 | 160.9 | 124.0 | | | | | |
| | e PKPab | Z | 00:50:52.7 | | | | | | | |
| | e PP | Z | 00:54:35.1 | | | | | | | |
| UBBA | e PKPdf | Z | 00:50:10.3 | 161.3 | 117.4 | | | | | |
| | e PKPab | Z | 00:50:53.8 | | | | | | | |
| | e PP | Z | 00:54:34.1 | | | | | | | |
| CLZ | e PKPdf | Z | 00:50:09.5 | 161.5 | 114.7 | | | | | |
| | e PKPab | Z | 00:50:55.0 | | | | | | | |
| | e PP | Z | 00:54:36.3 | | | | | | | |
| TNS | e PKPdf | Z | 00:50:11.7 | 161.9 | 119.2 | | | | | |
| | e PKPab | Z | 00:50:56.8 | | | | | | | |
| | e PP | Z | 00:54:40.1 | | | | | | | |

| | | | | | |
|------|---------|---|------------|-------|-------|
| NRDL | e PKPdf | Z | 00:50:11.0 | 161.9 | 112.8 |
| | e PKPab | Z | 00:50:56.8 | | |
| | e PP | Z | 00:54:39.2 | | |
| BSEG | e PKPdf | Z | 00:50:10.8 | 162.3 | 108.7 |
| | e PKPab | Z | 00:50:58.1 | | |
| | e PP | Z | 00:54:41.6 | | |
| WLF | e PKPdf | Z | 00:50:11.3 | 162.9 | 121.3 |
| | e PKPab | Z | 00:51:01.2 | | |
| | e PP | Z | 00:54:45.4 | | |
| BUG | e PKPdf | Z | 00:50:12.5 | 163.1 | 115.9 |
| | e PKPab | Z | 00:51:01.9 | | |
| | e PP | Z | 00:54:48.3 | | |
| IBBN | e PKPdf | Z | 00:50:12.6 | 163.2 | 113.3 |
| | e PKPab | Z | 00:51:02.1 | | |
| | e PP | Z | 00:54:48.1 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/12 | 00:46:27.6 | 44.379N | 147.917E | 33.0N | 5.8 | | | SZGRF |
| Kuril Islands, Russia | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| RGN | e P | Z | 00:57:59.7 | 73.8 | 32.0 | 1.0 | 226 | 6.2 | | |
| BSEG | e P | Z | 00:58:07.7 | 75.2 | 29.9 | 1.0 | 135 | 6.0 | | |
| RUE | e P | Z | 00:58:08.8 | 75.4 | 32.0 | 1.2 | 154 | 6.0 | | |
| NRDL | e P | Z | 00:58:15.0 | 76.6 | 29.6 | 1.8 | 155 | 5.8 | | |
| CLL | e P | Z | 00:58:15.2 | 76.7 | 31.3 | 1.0 | 165 | 6.1 | | |
| BRG | e P | Z | 00:58:15.3 | 76.7 | 31.9 | 1.0 | 67 | 5.7 | | |
| CLZ | e P | Z | 00:58:18.1 | 77.0 | 29.7 | 0.8 | 111 | 6.1 | | |
| IBBN | e P | Z | 00:58:19.7 | 77.4 | 28.0 | 0.8 | 111 | 5.9 | | |
| TANN | e P | Z | 00:58:20.5 | 77.6 | 30.9 | 0.8 | 26 | 5.3 | | |
| WERD | e P | Z | 00:58:21.0 | 77.6 | 30.8 | 0.8 | 39 | 5.5 | | |
| MOX | e P | Z | 00:58:21.0 | 77.7 | 30.4 | 0.9 | 52 | 5.6 | | |
| WERN | e P | Z | 00:58:21.8 | 77.8 | 30.8 | 0.6 | 63 | 5.8 | | |
| UBBA | e P | Z | 00:58:23.0 | 78.1 | 29.3 | 1.3 | 76 | 5.6 | | |
| ROTZ | e P | Z | 00:58:24.6 | 78.3 | 30.6 | 1.1 | 61 | 5.4 | | |
| BUG | e P | Z | 00:58:24.6 | 78.3 | 27.6 | 1.0 | 101 | 5.7 | | |
| GEC2 | e P | Z | 00:58:25.9 | 78.5 | 31.5 | 0.8 | 34 | 5.4 | | |
| WET | e P | Z | 00:58:26.2 | 78.6 | 31.0 | 0.9 | 74 | 5.6 | | |
| GRA1 | e P | Z | 00:58:26.7 | 78.6 | 30.0 | 0.9 | 170 | 6.0 | | |
| | e S | T | 01:08:04.0 | | | | | | | |
| TNS | e P | Z | 00:58:28.2 | 79.1 | 28.2 | 0.9 | 83 | 5.7 | | |
| RJOB | e P | Z | 00:58:33.0 | 79.8 | 30.8 | 1.0 | 44 | 5.5 | | |
| FUR | e P | Z | 00:58:33.8 | 80.0 | 29.9 | 0.9 | 139 | 6.0 | | |
| STU | e P | Z | 00:58:34.1 | 80.1 | 28.6 | 0.8 | 94 | 5.9 | | |
| BFO | e P | Z | 00:58:37.9 | 80.8 | 28.0 | 0.9 | 63 | 5.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/12 | 01:47:51.3 | 18.968S | 175.746E | 33.0N | | | | SZGRF |

Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| CLL | e PKPbc | Z | 02:07:25.6 | 144.9 | 29.2 | | | | | |
| IBBN | e PKPbc | Z | 02:07:26.6 | 145.4 | 20.3 | | | | | |
| TANN | e PKPbc | Z | 02:07:28.7 | 145.9 | 29.0 | | | | | |
| MOX | e PKPbc | Z | 02:07:26.4 | 145.9 | 27.5 | | | | | |
| UBBA | e PKPbc | Z | 02:07:30.7 | 146.2 | 24.7 | | | | | |
| ROTZ | e PKPbc | Z | 02:07:28.6 | 146.5 | 29.1 | | | | | |
| GEC2 | e PKPbc | Z | 02:07:31.1 | 146.8 | 32.2 | | | | | |
| WET | e PKPbc | Z | 02:07:31.7 | 146.8 | 30.6 | | | | | |
| GRA1 | e PKPbc | Z | 02:07:29.8 | 146.9 | 27.5 | | | | | |
| WLF | e PKPbc | Z | 02:07:35.3 | 148.2 | 18.9 | | | | | |
| BFO | e PKPbc | Z | 02:07:37.0 | 148.9 | 23.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/12 | 02:34:42.4 | 19.408S | 171.859E | 33.0N | | | | SZGRF |

Vanuatu Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 02:54:07.6 | 142.7 | 29.5 | | | | | |
| CLL | e PKPbc | Z | 02:54:12.4 | 144.0 | 35.4 | | | | | |
| BRG | e PKPbc | Z | 02:54:11.8 | 144.0 | 37.1 | | | | | |
| IBBN | e PKPbc | Z | 02:54:16.0 | 144.8 | 26.7 | | | | | |
| TANN | e PKPbc | Z | 02:54:16.0 | 145.0 | 35.3 | | | | | |
| MOX | e PKPbc | Z | 02:54:16.5 | 145.1 | 33.8 | | | | | |
| UBBA | e PKPbc | Z | 02:54:17.7 | 145.5 | 31.2 | | | | | |
| ROTZ | e PKPbc | Z | 02:54:18.7 | 145.6 | 35.5 | | | | | |
| GEC2 | e PKPbc | Z | 02:54:18.5 | 145.7 | 38.5 | | | | | |
| BUG | e PKPbc | Z | 02:54:18.9 | 145.8 | 26.4 | | | | | |
| WET | e PKPbc | Z | 02:54:18.7 | 145.8 | 37.0 | | | | | |
| GRA1 | e PKPbc | Z | 02:54:18.2 | 146.0 | 34.0 | | | | | |
| TNS | e PKPbc | Z | 02:54:21.0 | 146.5 | 29.2 | | | | | |
| WLF | e PKPbc | Z | 02:54:25.6 | 147.7 | 25.8 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/12 | 07:03:51.7 | 55.574S | 158.316E | 10.0 | | | | NEIC |

Macquarie Island, Australia, region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|---------|---|------------|-------|-------|------|-------|----|----|----|
| BRG | e PKPab | Z | 07:24:23.4 | 158.4 | 116.5 | | | | | |
| CLL | e PKPab | Z | 07:24:25.9 | 159.1 | 115.4 | | | | | |

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Thu Apr 23 08:38:25 2020

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| | | | | | | |
|------|---|-------|---|------------|-------|-------|
| GRA1 | e | PKPab | Z | 07:24:25.5 | 159.4 | 119.2 |
| BFO | e | PKPab | Z | 07:24:31.6 | 160.3 | 122.9 |
| CLZ | e | PKPab | Z | 07:24:33.6 | 160.8 | 113.9 |
| NRDL | e | PKPab | Z | 07:24:35.7 | 161.2 | 112.1 |
| BUG | e | PKPab | Z | 07:24:40.1 | 162.4 | 115.0 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/12 | 07:08:51.0 | 19.737S | 171.040E | 33.0N | | | | SZGRF |
| Vanuatu Islands region | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|-------|-------|----|----|----|
| BRG | e | PKPbc | Z | 07:28:19.5 | 144.0 | 38.6 | | | |
| CLZ | e | PKPbc | Z | 07:28:21.7 | 144.5 | 32.5 | | | |
| IBBN | e | PKPbc | Z | 07:28:23.3 | 144.9 | 28.1 | | | |
| TANN | e | PKPbc | Z | 07:28:22.8 | 144.9 | 36.8 | | | |
| MOX | e | PKPbc | Z | 07:28:23.4 | 145.1 | 35.3 | | | |
| UBBA | e | PKPbc | Z | 07:28:24.7 | 145.5 | 32.7 | | | |
| ROTZ | e | PKPbc | Z | 07:28:25.1 | 145.6 | 36.9 | | | |
| GEC2 | e | PKPbc | Z | 07:28:25.1 | 145.7 | 40.0 | | | |
| BUG | e | PKPbc | Z | 07:28:25.9 | 145.8 | 27.9 | | | |
| GRA1 | e | PKPbc | Z | 07:28:26.8 | 146.0 | 35.5 | | | |
| TNS | e | PKPbc | Z | 07:28:28.4 | 146.5 | 30.7 | | | |
| STU | e | PKPbc | Z | 07:28:31.5 | 147.5 | 33.1 | | | |
| WLF | e | PKPbc | Z | 07:28:32.6 | 147.7 | 27.4 | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/12 | 07:58:32.7 | 34.100N | 25.400E | 10.0 | 4.2 | | | NEIC |
| Crete, Greece | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------|------|------------|------|-------|-----|----|-----|
| RJOB | e | P | Z | 08:02:29.7 | 16.6 | 140.7 | 0.9 | 7 | 3.8 |
| GEC2 | e | P | Z | 08:02:33.6 | 17.1 | 145.2 | 0.8 | 11 | 4.0 |
| FUR | e | P | Z | 08:02:38.8 | 17.6 | 138.0 | 1.1 | 55 | 4.6 |
| WET | e | P | Z | 08:02:39.8 | 17.7 | 143.7 | 1.3 | 27 | 4.2 |
| GRA1 | e | P | Z | 08:02:52.0 | 18.8 | 140.9 | 1.0 | 22 | 4.3 |
| TANN | e | P | Z | 08:02:53.1 | 18.9 | 145.0 | 0.9 | 16 | 4.3 |
| WERD | e | P | Z | 08:02:53.1 | 18.9 | 144.7 | 0.9 | 9 | 4.0 |
| MOX | e | P | Z | 08:02:58.5 | 19.4 | 143.5 | 1.3 | 8 | 3.8 |
| UBBA | e | P | Z | 08:03:07.3 | 20.1 | 140.3 | 0.8 | 6 | 3.9 |
| TNS | e | P | Z | 08:03:10.2 | 20.3 | 136.0 | 0.7 | 29 | 4.6 |
| CLZ | e | P | Z | 08:03:13.5 | 20.8 | 142.8 | 1.0 | 17 | 4.3 |
| WLF | e | P | Z | 08:03:20.7 | 21.0 | 130.5 | 1.0 | 26 | 4.5 |
| NRDL | e | P | Z | 08:03:19.6 | 21.4 | 143.2 | 0.9 | 12 | 4.2 |
| BUG | e | P | Z | 08:03:25.5 | 21.7 | 135.9 | 1.1 | 22 | 4.5 |
| IBBN | e | P | Z | 08:03:29.7 | 22.2 | 138.3 | 1.2 | 22 | 4.4 |

| | | | | | | | | |
|------|-----|---|------------|------|-------|-----|----|-----|
| BSEG | e P | Z | 08:03:30.1 | 22.5 | 145.7 | 1.0 | 19 | 4.6 |
|------|-----|---|------------|------|-------|-----|----|-----|

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/12 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 08:37:07.7 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/12 | 08:50:24.7 | 14.550S | 65.100E | 21.1 | 5.3 | 4.6 | | SZGRF |
| Mid-Indian Ridge | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| RJOB | e P | Z 09:02:17.8 | 77.8 | 128.4 | 2.2 | 87 | 5.5 | | |
| GEC2 | e P | Z 09:02:18.6 | 78.0 | 129.3 | 1.4 | 16 | 5.0 | | |
| WET | e P | Z 09:02:21.6 | 78.6 | 128.7 | 1.4 | 14 | 4.9 | | |
| FUR | e P | Z 09:02:23.9 | 78.8 | 127.2 | | | | | |
| BRG | e P | Z 09:02:25.9 | 79.2 | 129.9 | 1.6 | 50 | 5.3 | | |
| ROTZ | e P | Z 09:02:26.5 | 79.3 | 128.2 | 2.2 | 57 | 5.2 | | |
| TANN | e P | Z 09:02:28.2 | 79.6 | 128.5 | 1.5 | 31 | 5.1 | | |
| GRA1 | e P | Z 09:02:28.6 | 79.8 | 127.4 | 1.3 | 64 | 5.4 | | |
| | e pP | Z 09:02:34.7 | | | | | | | |
| | e | 09:02:53.9 | | | | | | | |
| | e L | Z 09:59:30.9 | | | 19.9 | 293 | | 4.6 | |
| CLL | e P | Z 09:02:29.6 | 79.9 | 129.1 | 1.5 | 37 | 5.1 | | |
| MOX | e P | Z 09:02:31.1 | 80.2 | 127.9 | 1.6 | 41 | 5.1 | | |
| STU | e P | Z 09:02:31.6 | 80.3 | 125.6 | | | | | |
| BFO | e P | Z 09:02:33.0 | 80.5 | 124.8 | 1.6 | 50 | 5.2 | | |
| UBBA | e P | Z 09:02:35.9 | 81.1 | 126.5 | | | | | |
| CLZ | e P | Z 09:02:38.2 | 81.5 | 127.0 | 1.4 | 48 | 5.3 | | |
| TNS | e P | Z 09:02:38.4 | 81.5 | 125.2 | 1.4 | 51 | 5.4 | | |
| NRDL | e P | Z 09:02:40.9 | 82.0 | 126.8 | 1.8 | 49 | 5.3 | | |
| WLF | e P | Z 09:02:43.0 | 82.4 | 123.2 | 1.4 | 33 | 5.3 | | |
| BSEG | e P | Z 09:02:44.4 | 82.8 | 127.1 | 2.4 | 105 | 5.6 | | |
| BUG | e P | Z 09:02:45.1 | 82.8 | 124.3 | 1.1 | 27 | 5.4 | | |
| IBBN | e P | Z 09:02:46.5 | 83.1 | 124.8 | 1.0 | 16 | 5.2 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/12 | 12:05:15.8 | 43.700N | 127.500W | 10.0 | 5.1 | 5.0 | | NEIC |
| Off coast of Oregon, United States | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| BSEG | e P | Z 12:17:03.5 | 75.9 | 330.0 | 1.0 | 15 | 5.1 | | |

| | | | | | | | | | | | |
|------|-----|---|------------|------|-------|------|-----|-----|--|-----|--|
| IBBN | e P | Z | 12:17:08.2 | 76.5 | 328.4 | 1.5 | 73 | 5.6 | | | |
| NRDL | e P | Z | 12:17:10.2 | 77.1 | 330.0 | 1.6 | 26 | 5.1 | | | |
| CLZ | e P | Z | 12:17:13.9 | 77.8 | 330.2 | 1.7 | 48 | 5.3 | | | |
| TNS | e P | Z | 12:17:18.1 | 78.5 | 329.1 | 1.5 | 35 | 5.2 | | | |
| CLL | e P | Z | 12:17:20.0 | 79.0 | 332.1 | 1.2 | 22 | 5.1 | | | |
| MOX | e P | Z | 12:17:21.2 | 79.2 | 331.2 | 1.3 | 16 | 4.8 | | | |
| TANN | e P | Z | 12:17:23.6 | 79.6 | 331.8 | 1.5 | 15 | 4.7 | | | |
| BRG | e P | Z | 12:17:24.0 | 79.7 | 332.7 | 1.5 | 45 | 5.2 | | | |
| GRA1 | e P | Z | 12:17:25.6 | 79.9 | 331.0 | 1.5 | 50 | 5.2 | | | |
| | e L | Z | 12:54:27.2 | | | 19.6 | 684 | | | 5.0 | |
| BFO | e P | Z | 12:17:26.5 | 80.1 | 329.2 | 1.6 | 42 | 5.1 | | | |
| ROTZ | e P | Z | 12:17:26.7 | 80.1 | 331.7 | 1.3 | 13 | 4.7 | | | |
| WET | e P | Z | 12:17:30.4 | 80.9 | 332.2 | 1.3 | 10 | 4.7 | | | |
| GEC2 | e P | Z | 12:17:33.3 | 81.4 | 332.7 | 1.9 | 24 | 5.0 | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/12

| | | | | | | | | | |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| GRA1 | e PKPbc | Z 12:53:45.9 | | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/12 14:43:34.3
Vanuatu Islands

| | | | | | | | | | |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| TANN | e PKPbc | Z 15:03:06.3 | 144.9 | 38.0 | | | | | |
| UBBA | e PKPbc | Z 15:03:08.2 | 145.5 | 34.0 | | | | | |
| ROTZ | e PKPbc | Z 15:03:08.9 | 145.6 | 38.2 | | | | | |
| GEC2 | e PKPbc | Z 15:03:08.7 | 145.6 | 41.3 | | | | | |
| WET | e PKPbc | Z 15:03:09.2 | 145.8 | 39.8 | | | | | |
| GRA1 | e PKPbc | Z 15:03:10.2 | 146.0 | 36.8 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/12 17:31: 5.4
Vanuatu Islands

| | | | | | | | | | |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| CLZ | e PKPbc | Z 17:50:36.6 | 144.5 | 33.5 | | | | | |
| TANN | e PKPbc | Z 17:50:37.8 | 144.9 | 37.8 | | | | | |
| IBBN | e PKPbc | Z 17:50:38.3 | 145.0 | 29.2 | | | | | |
| MOX | e PKPbc | Z 17:50:38.4 | 145.1 | 36.4 | | | | | |
| ROTZ | e PKPbc | Z 17:50:40.1 | 145.6 | 38.0 | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| GEC2 | e | PKPbc | Z | 17:50:39.9 | 145.6 | 41.1 |
| GRA1 | e | PKPbc | Z | 17:50:41.2 | 146.0 | 36.6 |
| TNS | e | PKPbc | Z | 17:50:43.2 | 146.6 | 31.8 |
| WLF | e | PKPbc | Z | 17:50:47.2 | 147.8 | 28.5 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/12 | 18:21:55.3 | 19.872S | 170.714E | 20.7 | | 4.5 | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------|------|------------|-------|-------|------|----|-----|
| BSEG | e | PKPbc | Z | 18:41:20.8 | 142.8 | 31.4 | | | |
| BRG | e | PKPbc | Z | 18:41:23.7 | 144.0 | 39.1 | | | |
| CLL | e | PKPbc | Z | 18:41:23.6 | 144.0 | 37.4 | | | |
| NRDL | e | PKPbc | Z | 18:41:24.2 | 144.1 | 32.2 | | | |
| CLZ | e | PKPbc | Z | 18:41:26.1 | 144.5 | 33.0 | | | |
| TANN | e | PKPbc | Z | 18:41:27.2 | 144.9 | 37.3 | | | |
| IBBN | e | PKPbc | Z | 18:41:27.5 | 145.0 | 28.7 | | | |
| MOX | e | PKPbc | Z | 18:41:27.6 | 145.1 | 35.9 | | | |
| UBBA | e | PKPbc | Z | 18:41:29.3 | 145.5 | 33.3 | | | |
| ROTZ | e | PKPbc | Z | 18:41:29.6 | 145.6 | 37.5 | | | |
| GEC2 | e | PKPbc | Z | 18:41:29.3 | 145.7 | 40.6 | | | |
| WET | e | PKPbc | Z | 18:41:30.0 | 145.8 | 39.1 | | | |
| BUG | e | PKPbc | Z | 18:41:30.3 | 145.9 | 28.5 | | | |
| GRA1 | e | PKPbc | Z | 18:41:31.1 | 146.0 | 36.1 | | | |
| | e | pPKPbc | Z | 18:41:37.3 | | | | | |
| | e | L | Z | 19:39:06.0 | | | 21.5 | 82 | 4.5 |
| TNS | e | PKPbc | Z | 18:41:32.9 | 146.5 | 31.3 | | | |
| RJOB | e | PKPbc | Z | 18:41:33.9 | 146.9 | 40.3 | | | |
| FUR | e | PKPbc | Z | 18:41:34.4 | 147.2 | 37.6 | | | |
| | e | pPKPbc | Z | 18:41:40.6 | | | | | |
| STU | e | PKPbc | Z | 18:41:35.3 | 147.5 | 33.7 | | | |
| WLF | e | PKPbc | Z | 18:41:36.7 | 147.8 | 28.0 | | | |
| BFO | e | PKPbc | Z | 18:41:36.9 | 148.2 | 32.7 | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/12 | 21:56:45.2 | 20.407S | 171.733E | 33.0N | | | | SZGRF |

Vanuatu Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|-------|-------|----|----|----|
| CLZ | e | PKPbc | Z | 22:16:19.4 | 145.4 | 31.8 | | | |
| IBBN | e | PKPbc | Z | 22:16:20.6 | 145.8 | 27.4 | | | |
| WERD | e | PKPbc | Z | 22:16:20.7 | 145.9 | 35.9 | | | |
| PLN | e | PKPbc | Z | 22:16:20.4 | 145.9 | 35.7 | | | |
| MOX | e | PKPbc | Z | 22:16:20.7 | 145.9 | 34.7 | | | |
| WERN | e | PKPbc | Z | 22:16:20.9 | 146.0 | 36.2 | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| NKC | e | PKPbc | Z | 22:16:20.8 | 146.0 | 36.3 |
| ROTZ | e | PKPbc | Z | 22:16:22.9 | 146.4 | 36.4 |
| GEC2 | e | PKPbc | Z | 22:16:22.5 | 146.6 | 39.5 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/13 | 07:22:1.5 | 29.990N | 130.220E | 33.0N | 5.1 | 4.5 | | SZGRF |

Ryukyu Islands, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| CLL | e P | Z 07:34:18.6 | 81.8 | 51.1 | 1.8 | 26 | 5.1 | | |
| NRDL | e P | Z 07:34:22.2 | 82.4 | 49.1 | 1.1 | 5 | 4.6 | | |
| TANN | e P | Z 07:34:23.4 | 82.6 | 50.6 | 2.6 | 54 | 5.3 | | |
| CLZ | e P | Z 07:34:24.1 | 82.7 | 49.2 | 1.3 | 23 | 5.3 | | |
| MOX | e P | Z 07:34:24.6 | 82.9 | 50.0 | 1.8 | 19 | 5.0 | | |
| GEC2 | e P | Z 07:34:24.1 | 83.0 | 51.3 | 1.7 | 16 | 5.0 | | |
| ROTZ | e P | Z 07:34:26.4 | 83.2 | 50.4 | 1.7 | 23 | 5.1 | | |
| WET | e P | Z 07:34:26.4 | 83.2 | 50.8 | 1.7 | 14 | 4.9 | | |
| UBBA | e P | Z 07:34:27.8 | 83.6 | 48.9 | 1.6 | 26 | 5.2 | | |
| IBBN | e P | Z 07:34:28.2 | 83.6 | 47.3 | 1.2 | 14 | 5.1 | | |
| GRA1 | e P | Z 07:34:29.0 | 83.7 | 49.7 | 1.2 | 24 | 5.3 | | |
| | e L | Z 08:15:54.3 | | | 18.3 | 203 | | 4.5 | |
| RJOB | e P | Z 07:34:31.4 | 84.2 | 50.6 | 1.1 | 7 | 4.8 | | |
| BUG | e P | Z 07:34:32.1 | 84.4 | 46.9 | 1.4 | 20 | 5.2 | | |
| STU | e P | Z 07:34:36.5 | 85.3 | 48.1 | 1.3 | 12 | 4.9 | | |
| WLF | e P | Z 07:34:41.1 | 86.2 | 46.0 | 1.4 | 26 | 5.2 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/13 | 13:41:43.9 | 68.160N | 165.370W | 14.8 | 5.3 | 4.2 | | SZGRF |

Northern Alaska, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| RGN | e P | Z 13:51:34.1 | 57.3 | 359.4 | | | | | |
| BSEG | e P | Z 13:51:37.6 | 57.9 | 358.1 | 1.1 | 27 | 5.2 | | |
| NRDL | e P | Z 13:51:47.3 | 59.3 | 358.0 | 1.4 | 45 | 5.3 | | |
| RUE | e P | Z 13:51:47.5 | 59.4 | 359.6 | 1.1 | 40 | 5.4 | | |
| IBBN | e P | Z 13:51:48.3 | 59.4 | 357.0 | 1.0 | 39 | 5.4 | | |
| | e pP | Z 13:51:52.9 | | | | | | | |
| CLZ | e P | Z 13:51:52.3 | 60.0 | 358.2 | 1.3 | 58 | 5.5 | | |
| BUG | e P | Z 13:51:53.9 | 60.3 | 356.9 | 1.6 | 25 | 4.8 | | |
| CLL | e P | Z 13:51:55.4 | 60.5 | 359.3 | 1.2 | 25 | 4.9 | | |
| BRG | e P | Z 13:51:58.3 | 61.0 | 359.7 | 1.1 | 21 | 4.9 | | |
| UBBA | e P | Z 13:51:58.8 | 61.0 | 358.0 | 1.7 | 54 | 5.1 | | |
| MOX | e P | Z 13:52:00.3 | 61.2 | 358.7 | 1.0 | 22 | 4.9 | | |
| TANN | e P | Z 13:52:02.2 | 61.4 | 359.1 | 1.6 | 59 | 5.6 | | |
| | e pP | Z 13:52:06.4 | | | | | | | |

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Thu Apr 23 08:38:25 2020

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| | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|-----|
| TNS | e P | Z | 13:52:02.8 | 61.5 | 357.4 | 1.2 | 36 | 5.5 |
| WLF | e P | Z | 13:52:06.3 | 62.0 | 356.4 | 1.5 | 43 | 5.4 |
| ROTZ | e P | Z | 13:52:06.6 | 62.1 | 359.0 | 1.2 | 22 | 5.3 |
| GRA1 | e P | Z | 13:52:07.2 | 62.1 | 358.6 | 1.8 | 116 | 5.8 |
| | e pP | Z | 13:52:10.6 | | | | | |
| | e SS | R | 14:04:39.7 | | | | | |
| | e L | Z | 14:26:10.0 | | | 20.7 | 166 | 4.2 |
| WET | e P | Z | 13:52:10.9 | 62.7 | 359.3 | 1.0 | 25 | 5.3 |
| GEC2 | e P | Z | 13:52:12.6 | 63.0 | 359.6 | 1.5 | 70 | 5.6 |
| STU | e P | Z | 13:52:12.7 | 63.0 | 357.7 | 1.0 | 26 | 5.3 |
| BFO | e P | Z | 13:52:15.0 | 63.4 | 357.4 | 1.6 | 36 | 5.4 |
| FUR | e P | Z | 13:52:17.1 | 63.6 | 358.6 | 2.0 | 147 | 5.9 |
| RJOB | e P | Z | 13:52:19.8 | 64.1 | 359.2 | 1.0 | 18 | 5.3 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|----|----|--------|
| 2008/04/13 | 14:59:3.3 | 5.200N | 94.800E | 35.0 | 4.6 | | | NEIC |

Northern Sumatera, Indonesia

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GEC2 | e P | Z 15:11:10.7 | 80.2 | 93.3 | 0.9 | 7 | 4.6 | | |
| WET | e P | Z 15:11:13.4 | 80.8 | 92.7 | 1.7 | 11 | 4.6 | | |
| ROTZ | e P | Z 15:11:16.6 | 81.3 | 92.3 | 0.8 | 4 | 4.5 | | |
| GRA1 | e P | Z 15:11:19.5 | 81.9 | 91.5 | 1.0 | 6 | 4.7 | | |
| BFO | e P | Z 15:11:28.2 | 83.8 | 89.2 | 0.7 | 4 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/13 | 16:20:57.4 | 16.340S | 176.940W | 33.0N | | | | SZGRF |

Fiji Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| CLL | e PKPbc | Z 16:40:27.2 | 144.1 | 16.4 | | | | | |
| BRG | e PKPbc | Z 16:40:26.5 | 144.4 | 18.1 | | | | | |
| MOX | e PKPbc | Z 16:40:29.7 | 145.0 | 14.4 | | | | | |
| WERD | e PKPbc | Z 16:40:30.3 | 145.1 | 15.6 | | | | | |
| TANN | e PKPbc | Z 16:40:29.8 | 145.1 | 15.9 | | | | | |
| PRU | e PKPbc | Z 16:40:30.7 | 145.1 | 19.5 | | | | | |
| WERN | e PKPbc | Z 16:40:31.3 | 145.2 | 15.8 | | | | | |
| NKC | e PKPbc | Z 16:40:30.7 | 145.3 | 15.9 | | | | | |
| ROTZ | e PKPbc | Z 16:40:32.8 | 145.8 | 15.7 | | | | | |
| GRA1 | e PKPbc | Z 16:40:33.2 | 146.0 | 14.1 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/13 | 17:43:31.8 | 23.600S | 175.600W | 125.0 | | | | NEIC |

Tonga Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| NRDL | e PKPdf | Z | 18:03:10.1 | 150.8 | 10.8 | | | | | |
| CLZ | e PKPdf | Z | 18:03:12.5 | 151.4 | 11.5 | | | | | |
| CLL | e PKPdf | Z | 18:03:12.3 | 151.5 | 16.7 | | | | | |
| BRG | e PKPdf | Z | 18:03:13.1 | 151.7 | 18.7 | | | | | |
| PST | e PKPdf | Z | 18:03:14.1 | 152.1 | 15.5 | | | | | |
| MOX | e PKPdf | Z | 18:03:14.4 | 152.4 | 14.4 | | | | | |
| UBBA | e PKPdf | Z | 18:03:12.9 | 152.4 | 11.1 | | | | | |
| PRU | e PKPdf | Z | 18:03:15.2 | 152.4 | 20.4 | | | | | |
| WERD | e PKPdf | Z | 18:03:14.8 | 152.5 | 15.8 | | | | | |
| WERN | e PKPdf | Z | 18:03:15.4 | 152.6 | 16.0 | | | | | |
| NKC | e PKPdf | Z | 18:03:16.0 | 152.6 | 16.2 | | | | | |
| GEC2 | e PKPdf | Z | 18:03:17.3 | 153.7 | 19.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/13 | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKP | Z | 22:16:56.3 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/13 | 23:29:56.3 | 13.104N | 43.998W | 20.9 | 4.7 | 4.1 | | SZGRF |

Northern Mid-Atlantic Ridge

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|-----|----|
| WLF | e P | Z | 23:39:25.0 | 54.8 | 246.3 | 1.3 | 19 | 5.0 | | |
| BFO | e P | Z | 23:39:30.5 | 55.6 | 249.1 | 0.9 | 8 | 4.7 | | |
| | e pP | Z | 23:39:36.2 | | | | | | | |
| BUG | e P | Z | 23:39:33.5 | 56.1 | 246.2 | 0.9 | 10 | 4.8 | | |
| | e pP | Z | 23:39:39.9 | | | | | | | |
| STU | e P | Z | 23:39:35.4 | 56.3 | 249.6 | 1.0 | 8 | 4.7 | | |
| IBBN | e P | Z | 23:39:38.9 | 56.8 | 246.1 | 0.5 | 13 | 5.2 | | |
| | e pP | Z | 23:39:44.5 | | | | | | | |
| FUR | e P | Z | 23:39:43.9 | 57.4 | 251.9 | 0.9 | 13 | 4.9 | | |
| | e pP | Z | 23:39:49.4 | | | | | | | |
| GRA1 | e P | Z | 23:39:46.7 | 57.8 | 250.9 | 1.6 | 31 | 5.1 | | |
| | e pP | Z | 23:39:52.2 | | | | | | | |
| | e L | Z | 23:59:44.1 | | | 21.1 | 148 | | 4.1 | |
| CLZ | e P | Z | 23:39:47.4 | 58.1 | 248.9 | 1.2 | 11 | 4.8 | | |
| | e pP | Z | 23:39:53.6 | | | | | | | |
| NRDL | e P | Z | 23:39:49.0 | 58.2 | 248.2 | 1.0 | 9 | 4.7 | | |
| RJOB | e P | Z | 23:39:49.2 | 58.2 | 253.4 | 0.9 | 6 | 4.6 | | |
| | e pP | Z | 23:39:54.9 | | | | | | | |

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| | | | | | | | | |
|------|------|---|------------|------|-------|-----|----|-----|
| MOX | e P | Z | 23:39:50.4 | 58.4 | 250.7 | 0.9 | 4 | 4.4 |
| ROTZ | e P | Z | 23:39:52.0 | 58.5 | 251.7 | 1.5 | 7 | 4.5 |
| WET | e P | Z | 23:39:52.4 | 58.7 | 252.7 | 1.2 | 6 | 4.5 |
| BSEG | e P | Z | 23:39:52.8 | 58.8 | 247.6 | 1.2 | 14 | 4.9 |
| | e pP | Z | 23:39:58.6 | | | | | |
| TANN | e P | Z | 23:39:53.7 | 58.8 | 251.6 | 1.4 | 6 | 4.5 |
| | e pP | Z | 23:39:59.4 | | | | | |
| GEC2 | e P | Z | 23:39:54.4 | 59.1 | 253.6 | 2.1 | 14 | 4.6 |
| CLL | e P | Z | 23:39:57.5 | 59.4 | 251.6 | 1.1 | 7 | 4.6 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/14 | 00:57:59.5 | 19.151S | 178.972W | 33.0N | | | | SZGRF |

Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| CLL | e PKPbc | Z | 01:17:37.1 | 146.5 | 20.8 | | | | | |
| BRG | e PKPbc | Z | 01:17:37.7 | 146.7 | 22.6 | | | | | |
| PRU | e PKPbc | Z | 01:17:40.1 | 147.3 | 24.1 | | | | | |
| TANN | e PKPbc | Z | 01:17:39.6 | 147.4 | 20.4 | | | | | |
| WERD | e PKPbc | Z | 01:17:39.9 | 147.4 | 20.1 | | | | | |
| WERN | e PKPbc | Z | 01:17:40.6 | 147.6 | 20.3 | | | | | |
| NKC | e PKPbc | Z | 01:17:40.4 | 147.6 | 20.4 | | | | | |
| ROTZ | e PKPbc | Z | 01:17:41.8 | 148.1 | 20.3 | | | | | |
| GEC2 | e PKPbc | Z | 01:17:42.9 | 148.6 | 23.4 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/14 | 05:38:27.7 | 42.928N | 130.939W | 33.0N | 4.7 | 4.7 | | SZGRF |

Off coast of Oregon, United States

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|-----|----|
| IBBN | e P | Z | 05:50:24.9 | 78.3 | 330.4 | 0.5 | 11 | 5.1 | | |
| NRDL | e P | Z | 05:50:28.3 | 78.8 | 332.0 | 1.4 | 9 | 4.6 | | |
| CLZ | e P | Z | 05:50:31.9 | 79.5 | 332.3 | 1.0 | 8 | 4.6 | | |
| CLL | e P | Z | 05:50:37.8 | 80.7 | 334.1 | 1.0 | 7 | 4.7 | | |
| MOX | e P | Z | 05:50:39.0 | 80.9 | 333.2 | 0.8 | 3 | 4.4 | | |
| BRG | e P | Z | 05:50:41.4 | 81.3 | 334.8 | 1.2 | 15 | 5.0 | | |
| GRA1 | e P | Z | 05:50:42.9 | 81.6 | 333.0 | 0.8 | 6 | 4.8 | | |
| | e L | Z | 06:27:54.2 | | | 18.6 | 343 | | 4.7 | |
| ROTZ | e P | Z | 05:50:43.1 | 81.9 | 333.7 | 0.8 | 3 | 4.5 | | |
| BFO | e P | Z | 05:50:43.9 | 82.0 | 331.1 | 1.5 | 14 | 4.9 | | |
| GEC2 | e P | Z | 05:50:51.1 | 83.1 | 334.7 | 1.2 | 6 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------|-------------|-----|------|-------|----|----|----|--------|
|------|-------------|-----|------|-------|----|----|----|--------|

2008/04/14 09:45:17.8 55.588S 28.024W 33.0G 5.1 SZGRF
 South Sandwich Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|-------|------|-------|-----|----|----|
| BFO | e PP | Z 10:03:52.9 | 108.3 | 200.7 | | | | | |
| | e PS | Z 10:13:07.7 | | | | | | | |
| | e PKKPab | Z 10:14:54.0 | | | | | | | |
| RJOB | e PP | Z 10:03:56.8 | 108.8 | 203.0 | | | | | |
| | e PS | Z 10:13:15.0 | | | | | | | |
| | e PKKPab | Z 10:14:51.1 | | | | | | | |
| FUR | e PP | Z 10:03:56.7 | 108.8 | 202.2 | | | | | |
| | e PS | Z 10:13:13.5 | | | | | | | |
| | e PKKPab | Z 10:14:51.1 | | | | | | | |
| STU | e PP | Z 10:03:57.3 | 108.9 | 201.2 | | | | | |
| | e PS | Z 10:13:14.7 | | | | | | | |
| | e PKKPab | Z 10:14:51.0 | | | | | | | |
| WLF | e PS | Z 10:13:17.6 | 109.0 | 199.6 | | | | | |
| | e PKKPab | Z 10:14:50.7 | | | | | | | |
| | e PP | Z 10:04:06.0 | | | | | | | |
| TNS | e PS | Z 10:13:27.9 | 110.1 | 201.0 | | | | | |
| | e PKKPab | Z 10:14:46.1 | | | | | | | |
| | e PP | Z 10:04:06.1 | | | | | | | |
| GEC2 | e PS | Z 10:13:27.8 | 110.1 | 203.6 | | | | | |
| | e PP | Z 10:04:06.7 | | | | | | | |
| | e PPP | Z 10:06:25.1 | | | | | | | |
| WET | e PS | Z 10:13:27.7 | 110.2 | 203.2 | | | | | |
| | e PKKPab | Z 10:14:46.4 | | | | | | | |
| | e Pd | Z 09:59:28.7 | | | | | | | |
| GRA1 | e PP | Z 10:04:06.9 | 110.2 | 202.4 | 1.5 | 11 | 5.1 | | |
| | e SKSac | N 10:09:55.7 | | | | | | | |
| | e PS | Z 10:13:28.7 | | | | | | | |
| ROTZ | e | 10:13:46.9 | 110.6 | 202.9 | | | | | |
| | e PKKPab | Z 10:14:45.9 | | | | | | | |
| | e PP | Z 10:04:09.4 | | | | | | | |
| BUG | e PS | Z 10:13:32.8 | 111.0 | 200.5 | | | | | |
| | e PP | Z 10:04:12.7 | | | | | | | |
| | e PS | Z 10:13:38.6 | | | | | | | |
| UBBA | e PKKPab | Z 10:14:41.6 | 111.0 | 201.9 | | | | | |
| | e PP | Z 10:04:12.6 | | | | | | | |
| | e PS | Z 10:13:38.0 | | | | | | | |
| TANN | e PP | Z 10:04:14.2 | 111.2 | 203.2 | | | | | |
| | e PS | Z 10:13:39.7 | | | | | | | |
| | e PKKPab | Z 10:14:41.4 | | | | | | | |
| MOX | e PP | Z 10:04:14.1 | 111.2 | 202.8 | | | | | |
| | e PS | Z 10:13:39.5 | | | | | | | |
| | e PKKPab | Z 10:14:40.8 | | | | | | | |
| IBBN | e PP | Z 10:04:18.8 | 111.9 | 200.9 | | | | | |
| | e PS | Z 10:13:48.0 | | | | | | | |
| | e PKKPab | Z 10:14:37.9 | | | | | | | |

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| | | | | | |
|------|----------|---|------------|-------|-------|
| BRG | e PP | Z | 10:04:20.2 | 112.0 | 204.1 |
| | e PS | Z | 10:13:48.2 | | |
| | e PKKPab | Z | 10:14:37.1 | | |
| CLZ | e PP | Z | 10:04:20.1 | 112.0 | 202.2 |
| | e PS | Z | 10:13:48.5 | | |
| | e PKKPab | Z | 10:14:37.2 | | |
| CLL | e PP | Z | 10:04:20.6 | 112.2 | 203.6 |
| | e PS | Z | 10:13:49.6 | | |
| | e PKKPab | Z | 10:14:36.3 | | |
| NRDL | e PP | Z | 10:04:24.3 | 112.6 | 202.2 |
| | e PS | Z | 10:13:54.2 | | |
| | e PKKPab | Z | 10:14:34.4 | | |
| BSEG | e PP | Z | 10:04:33.3 | 114.0 | 202.6 |
| | e PS | Z | 10:14:08.2 | | |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/14 | 15:39:52.3 | 24.060N | 120.470E | 33.0N | 5.2 | 4.7 | | SZGRF |

Taiwan

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|-----|----|
| RGN | e P | Z | 15:51:59.1 | 79.9 | 62.4 | | | | | |
| BRG | e P | Z | 15:52:06.4 | 81.2 | 62.3 | 0.9 | 9 | 4.8 | | |
| PRU | e P | Z | 15:52:06.8 | 81.3 | 62.7 | | | | | |
| CLL | e P | Z | 15:52:07.8 | 81.6 | 61.7 | 1.1 | 20 | 5.2 | | |
| BSEG | e P | Z | 15:52:09.0 | 81.7 | 60.0 | 1.1 | 15 | 5.1 | | |
| TANN | e P | Z | 15:52:11.8 | 82.3 | 61.2 | 1.2 | 13 | 4.9 | | |
| GEC2 | e P | Z | 15:52:12.2 | 82.3 | 61.9 | 0.9 | 10 | 5.0 | | |
| WERD | e P | Z | 15:52:12.2 | 82.4 | 61.1 | 0.9 | 9 | 5.0 | | |
| NKC | e P | Z | 15:52:12.4 | 82.4 | 61.2 | | | | | |
| WERN | e P | Z | 15:52:12.6 | 82.4 | 61.1 | 1.1 | 16 | 5.2 | | |
| NRDL | e P | Z | 15:52:13.3 | 82.5 | 59.7 | 1.5 | 26 | 5.3 | | |
| MOX | e P | Z | 15:52:13.6 | 82.6 | 60.6 | 0.9 | 10 | 5.1 | | |
| CLZ | e P | Z | 15:52:14.6 | 82.7 | 59.8 | 1.6 | 46 | 5.4 | | |
| ROTZ | e P | Z | 15:52:14.5 | 82.7 | 60.9 | 1.2 | 14 | 5.1 | | |
| GRA1 | e P | Z | 15:52:16.5 | 83.3 | 60.2 | 1.0 | 20 | 5.3 | | |
| | e L | Z | 16:35:05.1 | | | 19.4 | 331 | | 4.7 | |
| RJOB | e P | Z | 15:52:17.7 | 83.4 | 61.1 | 1.3 | 33 | 5.4 | | |
| IBBN | e P | Z | 15:52:20.0 | 83.9 | 57.9 | 0.8 | 25 | 5.5 | | |
| FUR | e P | Z | 15:52:21.4 | 84.1 | 60.1 | 0.6 | 22 | 5.6 | | |
| TNS | e P | Z | 15:52:23.6 | 84.6 | 58.2 | 0.8 | 7 | 5.0 | | |

| | | | | | | | | |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/15 | 03:03: 1.3 | 12.880N | 89.980W | 33.0G | 5.1 | 6.0 | | SZGRF |

Off coast of central America

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|------|-------|------|-------|-----|-----|----|
| BUG | e SKSac | R | 03:25:55.2 | 84.4 | 283.7 | | | | | |
| IBBN | e SKSac | R | 03:25:54.4 | 84.5 | 284.0 | | | | | |
| | e SS | R | 03:31:33.8 | | | | | | | |
| TNS | e P | Z | 03:15:36.3 | 85.4 | 284.7 | 1.1 | 21 | 5.2 | | |
| | e SKSac | R | 03:25:58.9 | | | | | | | |
| | e SS | R | 03:31:48.1 | | | | | | | |
| BSEG | e P | Z | 03:15:37.4 | 85.5 | 285.8 | 1.5 | 21 | 5.0 | | |
| | e SKSac | R | 03:26:01.1 | | | | | | | |
| | e SS | R | 03:31:46.5 | | | | | | | |
| NRDL | e P | Z | 03:15:38.3 | 85.8 | 285.8 | 1.1 | 16 | 5.1 | | |
| | e SKSac | R | 03:26:00.8 | | | | | | | |
| BFO | e P | Z | 03:15:38.0 | 85.8 | 284.7 | 1.2 | 6 | 4.6 | | |
| | e SKSac | R | 03:26:03.2 | | | | | | | |
| CLZ | e P | Z | 03:15:40.4 | 86.2 | 286.0 | 1.0 | 12 | 5.0 | | |
| | e SKSac | R | 03:26:06.3 | | | | | | | |
| | e SS | R | 03:31:56.0 | | | | | | | |
| UBBA | e P | Z | 03:15:40.3 | 86.2 | 285.8 | 1.6 | 22 | 5.0 | | |
| | e SKSac | R | 03:26:07.5 | | | | | | | |
| STU | e P | Z | 03:15:41.2 | 86.3 | 285.3 | 0.9 | 12 | 5.0 | | |
| | e SKSac | R | 03:26:07.0 | | | | | | | |
| MOX | e P | Z | 03:15:45.3 | 87.2 | 287.0 | 1.7 | 19 | 5.0 | | |
| | e SKSac | R | 03:26:14.4 | | | | | | | |
| | e SS | R | 03:32:12.8 | | | | | | | |
| GRA1 | e P | Z | 03:15:45.8 | 87.3 | 286.8 | 1.5 | 36 | 5.3 | | |
| | e SKSac | R | 03:26:13.9 | | | | | | | |
| | e SS | R | 03:32:20.9 | | | | | | | |
| | e L | Z | 03:51:49.9 | | | 21.2 | 6915 | | 6.0 | |
| FUR | e SKSac | R | 03:26:17.2 | 87.8 | 286.9 | | | | | |
| TANN | e P | Z | 03:15:48.6 | 87.8 | 287.7 | 1.7 | 28 | 5.3 | | |
| | e SKSac | R | 03:26:16.7 | | | | | | | |
| | e SS | R | 03:32:19.3 | | | | | | | |
| ROTZ | e P | Z | 03:15:48.7 | 87.9 | 287.5 | 1.7 | 19 | 5.2 | | |
| | e SKSac | R | 03:26:16.4 | | | | | | | |
| | e SS | R | 03:32:22.5 | | | | | | | |
| CLL | e P | Z | 03:15:47.8 | 87.9 | 288.1 | 1.6 | 21 | 5.2 | | |
| | e SKSac | R | 03:26:16.7 | | | | | | | |
| | e SS | R | 03:32:21.0 | | | | | | | |
| WET | e P | Z | 03:15:51.8 | 88.5 | 288.1 | 1.8 | 32 | 5.3 | | |
| | e SKSac | R | 03:26:21.8 | | | | | | | |
| | e SS | R | 03:32:32.4 | | | | | | | |
| BRG | e P | Z | 03:15:51.7 | 88.6 | 288.8 | 1.5 | 8 | 4.7 | | |
| | e SKSac | R | 03:26:19.1 | | | | | | | |
| | e SS | R | 03:32:30.6 | | | | | | | |
| RJOB | e P | Z | 03:15:53.0 | 88.9 | 288.0 | 1.5 | 12 | 4.9 | | |
| | e SKSac | R | 03:26:22.3 | | | | | | | |
| GEC2 | e P | Z | 03:15:53.8 | 89.1 | 288.7 | 1.6 | 15 | 5.0 | | |
| | e SKSac | R | 03:26:25.4 | | | | | | | |
| | e SS | R | 03:32:40.5 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|----|----|----|--------|
| 2008/04/15 | 03:43:10.2 | 43.088N | 25.846E | 10.0G | | | | SZGRF |

Bulgaria

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|----|----|----|
| ARSA | e Pn | Z | 03:45:09.7 | 8.4 | 116.0 | | | | | |
| | e Sn | N | 03:46:38.1 | | | | | | | |
| OBKA | e Pn | Z | 03:45:14.8 | 8.7 | 109.1 | | | | | |
| | e Sn | N | 03:46:46.5 | | | | | | | |
| MOA | e Pn | Z | 03:45:23.3 | 9.4 | 116.2 | | | | | |
| KBA | e Pn | Z | 03:45:30.1 | 9.7 | 109.8 | | | | | |
| | e Sn | N | 03:47:11.0 | | | | | | | |
| GEC2 | e P | Z | 03:45:35.8 | 10.2 | 119.8 | 1.6 | 9 | | | |
| WET | e P | Z | 03:45:44.8 | 10.8 | 119.2 | 1.0 | 4 | | | |
| TANN | e P | Z | 03:45:57.5 | 11.7 | 123.6 | | | | | |
| GUNZ | e P | Z | 03:45:57.5 | 11.7 | 123.1 | 1.1 | 8 | | | |
| | e S | N | 03:47:46.4 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/15 | 05:40:31.3 | 44.197N | 149.775E | 33.0N | 4.4 | | | SZGRF |

Kuril Islands, Russia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z | 05:52:34.5 | 79.4 | 28.9 | 0.9 | 4 | 4.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/15 | 07:32:48.1 | 16.200N | 145.000E | 24.0 | | | | NEIC |

Mariana Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|-------|------|------|-------|----|----|----|
| GRA1 | e PP | Z | 07:50:59.3 | 102.5 | 45.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/15 | 07:51:53.4 | 78.729N | 34.425E | 27.8 | 4.2 | 4.0 | | SZGRF |

Svalbard, Norway, region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-----|------|-------|-----|----|----|
| MOX | e P | Z | 07:57:53.1 | 29.2 | 8.9 | 1.1 | 10 | 4.3 | | |
| | e sP | Z | 07:58:04.0 | | | | | | | |
| WERD | e P | Z | 07:57:54.5 | 29.4 | 8.6 | 1.0 | 3 | 3.9 | | |

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| | | | | | | | | | |
|------|------|---|------------|------|-----|------|-----|-----|-----|
| GUNZ | e P | Z | 07:57:55.1 | 29.5 | 8.6 | 1.0 | 9 | 4.4 | |
| | e sP | Z | 07:58:05.8 | | | | | | |
| WERN | e P | Z | 07:57:56.1 | 29.5 | 8.6 | | | | |
| | e sP | Z | 07:58:06.9 | | | | | | |
| NKC | e P | Z | 07:57:56.2 | 29.6 | 8.5 | 0.9 | 10 | 4.4 | |
| | e sP | Z | 07:58:07.0 | | | | | | |
| ROTZ | e P | Z | 07:58:00.8 | 30.1 | 8.5 | 1.0 | 6 | 4.2 | |
| | e sP | Z | 07:58:11.4 | | | | | | |
| GRA1 | e P | Z | 07:58:02.1 | 30.2 | 8.8 | 0.9 | 11 | 4.5 | |
| | e L | Z | 08:13:47.5 | | | 21.5 | 245 | | 4.0 |
| WET | e P | Z | 07:58:05.0 | 30.6 | 8.1 | 0.6 | 2 | 4.0 | |
| GEC2 | e P | Z | 07:58:07.1 | 30.8 | 7.8 | 1.1 | 5 | 4.2 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/15 | 10:19:33.3 | 85.661N | 95.515E | 33.0G | 4.3 | 3.9 | | SZGRF |

North of Severnaya Zemlya

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|-----|-----|----|
| GUNZ | e P | Z 10:26:59.3 | 39.3 | 6.8 | 1.2 | 10 | 4.3 | | |
| WERN | e P | Z 10:27:00.0 | 39.4 | 6.8 | 1.0 | 10 | 4.4 | | |
| NKC | e P | Z 10:27:00.4 | 39.4 | 6.8 | 0.9 | 8 | 4.3 | | |
| ROTZ | e P | Z 10:27:04.5 | 39.9 | 6.7 | 1.1 | 6 | 4.1 | | |
| GRA1 | e P | Z 10:27:05.8 | 40.1 | 6.7 | 0.8 | 10 | 4.5 | | |
| | e L | Z 10:48:26.6 | | | 19.1 | 178 | | 3.9 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/15 | 17:24:56.2 | 18.700S | 176.000W | 10.0 | | | | NEIC |

Fiji Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKP | Z 17:44:33.2 | 144.4 | 10.3 | | | | | |
| NRDL | e PKP | Z 17:44:37.0 | 145.9 | 10.3 | | | | | |
| IBBN | e PKP | Z 17:44:38.9 | 146.3 | 6.4 | | | | | |
| CLZ | e PKP | Z 17:44:37.3 | 146.5 | 11.0 | | | | | |
| CLL | e PKP | Z 17:44:38.6 | 146.6 | 15.6 | | | | | |
| BRG | e PKP | Z 17:44:39.7 | 146.9 | 17.4 | | | | | |
| BUG | e PKP | Z 17:44:41.2 | 147.2 | 5.7 | | | | | |
| MOX | e PKP | Z 17:44:38.7 | 147.5 | 13.5 | | | | | |
| TANN | e PKP | Z 17:44:40.0 | 147.6 | 15.1 | | | | | |
| ROTZ | e PKP | Z 17:44:41.1 | 148.2 | 14.9 | | | | | |
| GRA1 | e PKP | Z 17:44:42.6 | 148.5 | 13.2 | | | | | |
| WET | e PKP | Z 17:44:43.4 | 148.7 | 16.4 | | | | | |
| GEC2 | e PKP | Z 17:44:42.2 | 148.9 | 18.0 | | | | | |
| WLF | e PKP | Z 17:44:44.5 | 149.0 | 4.0 | | | | | |
| STU | e PKP | Z 17:44:44.9 | 149.6 | 9.8 | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKP | Z 19:31:15.5 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/15 | 20:10:39.5 | 21.430S | 167.310E | 33.0N | | | | SZGRF |

Loyalty Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| WERD | e PKPbc | Z 20:30:11.8 | 145.0 | 43.3 | | | | | |
| GUNZ | e PKPbc | Z 20:30:12.0 | 145.0 | 43.4 | | | | | |
| WERN | e PKPbc | Z 20:30:12.2 | 145.1 | 43.5 | | | | | |
| MOX | e PKPbc | Z 20:30:12.0 | 145.1 | 42.1 | | | | | |
| IBBN | e PKPbc | Z 20:30:13.0 | 145.3 | 34.9 | | | | | |
| GEC2 | e PKPbc | Z 20:30:13.7 | 145.5 | 46.9 | | | | | |
| ROTZ | e PKPbc | Z 20:30:13.2 | 145.5 | 43.8 | | | | | |
| UBBA | e PKPbc | Z 20:30:13.6 | 145.7 | 39.5 | | | | | |
| GRA1 | e PKPbc | Z 20:30:15.3 | 146.0 | 42.4 | | | | | |
| BUG | e PKPbc | Z 20:30:15.7 | 146.2 | 34.8 | | | | | |
| RJOB | e PKPbc | Z 20:30:17.6 | 146.7 | 46.8 | | | | | |
| TNS | e PKPbc | Z 20:30:18.4 | 146.8 | 37.8 | | | | | |
| WLF | e PKPbc | Z 20:30:22.5 | 148.1 | 34.6 | | | | | |
| BFO | e PKPbc | Z 20:30:24.4 | 148.3 | 39.4 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/15 | 21:29:49.4 | 85.800N | 101.634E | 18.3 | 4.1 | | | SZGRF |

North of Severnaya Zemlya

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|-----|----|----|
| GRA1 | e P | Z 21:37:27.6 | 40.5 | 6.5 | 1.1 | 4 | 4.1 | | |
| | e pP | Z 21:37:32.5 | | | | | | | |
| | e sP | Z 21:37:34.9 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/15 | 22:59:51.6 | 51.440N | 179.900E | 33.0N | 6.1 | 6.3 | | SZGRF |

Rat Islands, Aleutian Islands, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|-----|----|----|
| RGN | e P | Z 23:11:23.4 | 73.4 | 8.7 | 1.1 | 332 | 6.3 | | |
| | e S | R 23:20:53.8 | | | | | | | |
| | e SSS | R 23:29:01.3 | | | | | | | |
| HLG | e P | Z 23:11:27.9 | 74.2 | 5.2 | | | | | |
| BSEG | e P | Z 23:11:28.4 | 74.3 | 6.7 | 1.9 | 604 | 6.3 | | |

| | | | | | | | | | |
|------|------------|---|------------|------|-----|------|-------|-----|-----|
| | e S | R | 23:21:12.0 | | | | | | |
| | e SS | R | 23:25:45.8 | | | | | | |
| RUE | e P | Z | 23:11:34.7 | 75.4 | 8.9 | 1.9 | 573 | 6.4 | |
| | e S | R | 23:21:21.1 | | | | | | |
| NRDL | e P | Z | 23:11:36.3 | 75.7 | 6.5 | 1.8 | 316 | 6.2 | |
| | e S | R | 23:21:23.7 | | | | | | |
| | e SSS | R | 23:29:25.9 | | | | | | |
| IBBN | e P | Z | 23:11:38.5 | 76.0 | 5.0 | 1.3 | 440 | 6.4 | |
| | e S | R | 23:21:21.7 | | | | | | |
| CLZ | e P | Z | 23:11:40.4 | 76.3 | 6.7 | 1.7 | 470 | 6.3 | |
| | e S | R | 23:21:32.0 | | | | | | |
| CLL | e P | Z | 23:11:41.3 | 76.7 | 8.4 | 2.1 | 485 | 6.3 | |
| BUG | e P | Z | 23:11:43.1 | 76.9 | 4.7 | 1.7 | 304 | 6.1 | |
| | e S | R | 23:21:31.2 | | | | | | |
| PST | e P | Z | 23:11:44.5 | 77.2 | 7.9 | 2.0 | 590 | 6.4 | |
| UBBA | e P | Z | 23:11:45.8 | 77.4 | 6.4 | 1.8 | 268 | 6.1 | |
| | e S | R | 23:21:43.3 | | | | | | |
| | e SS | R | 23:26:39.8 | | | | | | |
| MOX | e P | Z | 23:11:46.1 | 77.4 | 7.5 | 2.1 | 375 | 6.2 | |
| | e S | R | 23:21:43.9 | | | | | | |
| PLN | e P | Z | 23:11:47.0 | 77.5 | 7.8 | 2.0 | 535 | 6.3 | |
| WERD | e P | Z | 23:11:46.9 | 77.6 | 7.9 | 1.9 | 305 | 6.1 | |
| TANN | e P | Z | 23:11:47.2 | 77.6 | 8.0 | 1.8 | 234 | 6.0 | |
| GUNZ | e P | Z | 23:11:47.5 | 77.7 | 7.9 | 2.0 | 376 | 6.2 | |
| WERN | e P | Z | 23:11:47.9 | 77.7 | 7.9 | 2.1 | 468 | 6.2 | |
| TNS | e P | Z | 23:11:49.7 | 78.1 | 5.4 | 2.0 | 481 | 6.3 | |
| | e SS | R | 23:26:44.2 | | | | | | |
| ROTZ | e P | Z | 23:11:51.0 | 78.3 | 7.8 | 1.9 | 240 | 5.9 | |
| GRA1 | e P | Z | 23:11:52.0 | 78.4 | 7.2 | 1.7 | 582 | 6.3 | |
| | e PP | Z | 23:14:45.3 | | | | | | |
| | e S | R | 23:21:54.4 | | | | | | |
| | e SS | T | 23:26:54.5 | | | | | | |
| | e PKPPKPdf | Z | 23:38:50.5 | | | | | | |
| | e L | Z | 23:45:50.5 | | | 21.8 | 17222 | | 6.3 |
| GRFO | e S | R | 23:21:55.2 | 78.4 | 7.2 | | | | |
| WLF | e P | Z | 23:11:53.8 | 78.8 | 4.0 | 1.8 | 327 | 6.1 | |
| | e S | R | 23:22:00.0 | | | | | | |
| WET | e P | Z | 23:11:54.1 | 78.8 | 8.2 | 1.9 | 258 | 5.9 | |
| | e S | R | 23:21:59.0 | | | | | | |
| GEC2 | e P | Z | 23:11:55.0 | 79.0 | 8.7 | 1.9 | 265 | 5.9 | |
| STU | e P | Z | 23:11:57.3 | 79.5 | 5.9 | 1.2 | 90 | 5.6 | |
| | e S | R | 23:22:10.4 | | | | | | |
| | e SS | R | 23:27:07.3 | | | | | | |
| FUR | e P | Z | 23:11:59.9 | 79.9 | 7.2 | 1.9 | 409 | 6.0 | |
| BFO | e P | Z | 23:12:00.0 | 80.0 | 5.3 | 1.7 | 165 | 5.7 | |
| | e S | R | 23:22:16.1 | | | | | | |
| | e SS | R | 23:27:25.8 | | | | | | |
| RJOB | e P | Z | 23:12:01.6 | 80.2 | 8.1 | 1.1 | 47 | 5.4 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/16 | 00:35:54.3 | 18.179S | 178.391W | 33.0N | | 6.5 | | SZGRF |

Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|-----|----|
| BSEG | e PKPbc | Z | 00:55:23.6 | 143.6 | 14.0 | | | | | |
| NRDL | e PKPbc | Z | 00:55:27.0 | 145.0 | 14.2 | | | | | |
| IBBN | e PKPbc | Z | 00:55:28.6 | 145.5 | 10.4 | | | | | |
| CLZ | e PKPbc | Z | 00:55:29.0 | 145.6 | 14.9 | | | | | |
| CLL | e PKPbc | Z | 00:55:29.0 | 145.7 | 19.4 | | | | | |
| BRG | e PKPbc | Z | 00:55:29.8 | 145.9 | 21.2 | | | | | |
| BUG | e PKPbc | Z | 00:55:31.9 | 146.4 | 9.8 | | | | | |
| TANN | e PKPbc | Z | 00:55:31.8 | 146.6 | 19.0 | | | | | |
| UBBA | e PKPbc | Z | 00:55:32.3 | 146.7 | 14.6 | | | | | |
| ROTZ | e PKPbc | Z | 00:55:33.7 | 147.3 | 18.9 | | | | | |
| TNS | e PKPbc | Z | 00:55:34.5 | 147.5 | 12.2 | | | | | |
| GRA1 | e L | Z | 02:02:13.6 | 147.6 | 17.2 | 20.9 | 8183 | | 6.5 | |
| WET | e PKPbc | Z | 00:55:35.5 | 147.7 | 20.3 | | | | | |
| GEC2 | e PKPbc | Z | 00:55:35.1 | 147.8 | 21.9 | | | | | |
| WLF | e PKPbc | Z | 00:55:36.8 | 148.3 | 8.2 | | | | | |
| STU | e PKPbc | Z | 00:55:37.6 | 148.8 | 14.0 | | | | | |
| FUR | e PKPbc | Z | 00:55:38.2 | 149.0 | 18.0 | | | | | |
| RJOB | e PKPbc | Z | 00:55:38.7 | 149.1 | 21.0 | | | | | |
| BFO | e PKPbc | Z | 00:55:40.2 | 149.4 | 12.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/16 | 01:01:10.0 | 19.440S | 177.830W | 33.0N | | | | SZGRF |

Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 01:20:42.6 | 144.9 | 13.5 | | | | | |
| NRDL | e PKPbc | Z | 01:20:47.3 | 146.4 | 13.6 | | | | | |
| IBBN | e PKPbc | Z | 01:20:48.8 | 146.8 | 9.7 | | | | | |
| CLZ | e PKPbc | Z | 01:20:49.3 | 147.0 | 14.3 | | | | | |
| CLL | e PKPbc | Z | 01:20:49.0 | 147.0 | 19.0 | | | | | |
| BRG | e PKPbc | Z | 01:20:49.8 | 147.2 | 20.8 | | | | | |
| BUG | e PKPbc | Z | 01:20:50.3 | 147.7 | 9.0 | | | | | |
| MOX | e PKPbc | Z | 01:20:51.7 | 147.9 | 16.9 | | | | | |
| TANN | e PKPbc | Z | 01:20:51.9 | 148.0 | 18.5 | | | | | |
| UBBA | e PKPbc | Z | 01:20:52.0 | 148.0 | 14.0 | | | | | |
| ROTZ | e PKPbc | Z | 01:20:53.9 | 148.6 | 18.4 | | | | | |
| TNS | e PKPbc | Z | 01:20:54.0 | 148.8 | 11.5 | | | | | |
| | e PKPab | Z | 01:20:57.7 | | | | | | | |
| GRA1 | e PKPbc | Z | 01:20:54.3 | 148.9 | 16.7 | | | | | |
| | e PKPab | Z | 01:20:58.1 | | | | | | | |

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| WET | e | PKPbc | Z | 01:20:54.1 | 149.1 | 19.9 |
| GEC2 | e | PKPbc | Z | 01:20:55.0 | 149.2 | 21.6 |
| WLF | e | PKPbc | Z | 01:20:56.8 | 149.6 | 7.4 |
| STU | e | PKPbc | Z | 01:20:57.5 | 150.1 | 13.4 |
| FUR | e | PKPbc | Z | 01:20:58.0 | 150.3 | 17.6 |
| | e | PKPab | Z | 01:21:04.0 | | |
| RJOB | e | PKPbc | Z | 01:20:57.9 | 150.4 | 20.6 |
| | e | PKPab | Z | 01:21:04.9 | | |
| BFO | e | PKPbc | Z | 01:20:58.8 | 150.7 | 11.9 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/16 | 05:54:25.1 | 51.983N | 179.586E | 33.0N | 6.0 | 6.5 | | SZGRF |

Rat Islands, Aleutian Islands, United States

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-----|------|-------|-----|-----|----|
| BSEG | e P | Z | 06:05:56.2 | 73.7 | 6.9 | 1.1 | 150 | 5.9 | | |
| NRDL | e P | Z | 06:06:04.1 | 75.1 | 6.7 | | | | | |
| IBBN | e P | Z | 06:06:06.3 | 75.5 | 5.2 | | | | | |
| CLZ | e P | Z | 06:06:08.1 | 75.8 | 6.8 | 1.3 | 206 | 6.1 | | |
| CLL | e P | Z | 06:06:09.1 | 76.1 | 8.5 | 1.9 | 175 | 5.9 | | |
| BUG | e P | Z | 06:06:10.8 | 76.4 | 4.9 | 2.5 | 656 | 6.3 | | |
| BRG | e P | Z | 06:06:11.2 | 76.4 | 9.0 | 1.5 | 99 | 5.7 | | |
| UBBA | e P | Z | 06:06:13.7 | 76.8 | 6.6 | | | | | |
| MOX | e P | Z | 06:06:13.9 | 76.9 | 7.6 | 3.0 | 770 | 6.3 | | |
| TNS | e P | Z | 06:06:17.4 | 77.5 | 5.6 | 1.9 | 294 | 6.1 | | |
| ROTZ | e P | Z | 06:06:18.9 | 77.7 | 7.9 | | | | | |
| GRA1 | e P | Z | 06:06:19.8 | 77.8 | 7.3 | 1.2 | 180 | 6.1 | | |
| | e S | E | 06:16:14.1 | | | | | | | |
| | e SS | Z | 06:21:20.8 | | | | | | | |
| | e L | Z | 06:42:25.8 | | | 22.0 | 26476 | | 6.5 | |
| WLF | e P | Z | 06:06:21.5 | 78.2 | 4.1 | | | | | |
| WET | e P | Z | 06:06:21.9 | 78.2 | 8.3 | 2.9 | 594 | 6.1 | | |
| GEC2 | e P | Z | 06:06:22.8 | 78.5 | 8.8 | 1.3 | 59 | 5.5 | | |
| STU | e P | Z | 06:06:25.1 | 78.9 | 6.0 | | | | | |
| FUR | e P | Z | 06:06:27.7 | 79.4 | 7.3 | 1.1 | 96 | 5.6 | | |
| BFO | e P | Z | 06:06:27.7 | 79.4 | 5.5 | 4.1 | 2069 | 6.4 | | |
| RJOB | e P | Z | 06:06:28.9 | 79.6 | 8.2 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/16 | 09:45:24.7 | 20.960S | 177.950W | 33.0N | | | | SZGRF |

Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|-------|------|-------|----|----|----|
| BSEG | e | PKPbc | Z | 10:05:02.1 | 146.4 | 14.1 | | | | |
| NRDL | e | PKPbc | Z | 10:05:06.2 | 147.9 | 14.2 | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| IBBN | e | PKPbc | Z | 10:05:07.5 | 148.3 | 10.2 |
| | e | PKPab | Z | 10:05:10.3 | | |
| CLZ | e | PKPbc | Z | 10:05:08.2 | 148.4 | 15.0 |
| | e | PKPbc | Z | 10:05:07.8 | 148.5 | 19.8 |
| BRG | e | PKPbc | Z | 10:05:08.5 | 148.7 | 21.7 |
| | e | PKPab | Z | 10:05:12.4 | | |
| MOX | e | PKPbc | Z | 10:05:10.3 | 149.4 | 17.7 |
| | e | PKPab | Z | 10:05:15.0 | | |
| TANN | e | PKPbc | Z | 10:05:10.5 | 149.4 | 19.4 |
| UBBA | e | PKPbc | Z | 10:05:10.5 | 149.5 | 14.7 |
| ROTZ | e | PKPbc | Z | 10:05:12.3 | 150.1 | 19.3 |
| TNS | e | PKPbc | Z | 10:05:12.5 | 150.3 | 12.1 |
| | e | PKPab | Z | 10:05:19.1 | | |
| GRA1 | e | PKPbc | Z | 10:05:13.1 | 150.4 | 17.5 |
| | e | PKPab | Z | 10:05:19.9 | | |
| WET | e | PKPbc | Z | 10:05:13.1 | 150.5 | 20.9 |
| GEC2 | e | PKPbc | Z | 10:05:13.4 | 150.6 | 22.6 |
| WLF | e | PKPbc | Z | 10:05:14.9 | 151.1 | 7.9 |
| | e | PKPab | Z | 10:05:22.4 | | |
| STU | e | PKPbc | Z | 10:05:15.6 | 151.6 | 14.1 |
| FUR | e | PKPbc | Z | 10:05:16.1 | 151.8 | 18.5 |
| RJOB | e | PKPbc | Z | 10:05:15.9 | 151.9 | 21.7 |
| BFO | e | PKPbc | Z | 10:05:16.7 | 152.2 | 12.6 |
| | e | PKPab | Z | 10:05:26.3 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/16

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPbc Z 15:35:30.4

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/16 19:19:20.9 39.198N 141.322E 165.8 6.0 SZGRF
Eastern Honshu, Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG i P Z 19:31:15.2 77.8 36.8 1.2 231 6.2
BRG e P Z 19:31:20.5 78.8 38.9 1.0 117 5.9
CLL e P Z 19:31:20.4 78.9 38.3 0.9 166 6.0
NRDL e P Z 19:31:21.6 79.0 36.4
CLZ e P Z 19:31:24.3 79.4 36.5 1.3 242 6.0
TANN e P Z 19:31:25.9 79.8 37.8
MOX e P Z 19:31:26.5 79.9 37.3 1.2 119 5.7
IBBN e P Z 19:31:26.9 80.0 34.8
ROTZ e P Z 19:31:29.6 80.4 37.6

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| | | | | | | | | | |
|------|------|---|------------|------|------|-----|-----|-----|--|
| UBBA | e P | Z | 19:31:28.9 | 80.4 | 36.2 | | | | |
| GEC2 | e P | Z | 19:31:29.4 | 80.5 | 38.5 | 1.1 | 93 | 5.7 | |
| WET | e P | Z | 19:31:30.5 | 80.6 | 38.0 | 1.2 | 134 | 5.9 | |
| GRA1 | e P | Z | 19:31:31.9 | 80.8 | 36.9 | 1.0 | 292 | 6.3 | |
| | e pP | Z | 19:32:12.7 | | | | | | |
| | e S | E | 19:41:21.1 | | | | | | |
| BUG | e P | Z | 19:31:31.5 | 80.9 | 34.3 | 1.0 | 111 | 5.8 | |
| TNS | e P | Z | 19:31:34.8 | 81.5 | 35.0 | 1.2 | 163 | 6.0 | |
| RJOB | e P | Z | 19:31:36.5 | 81.8 | 37.8 | | | | |
| FUR | e P | Z | 19:31:37.8 | 82.1 | 36.8 | 1.0 | 301 | 6.4 | |
| STU | e P | Z | 19:31:39.4 | 82.4 | 35.4 | | | | |
| WLF | e P | Z | 19:31:41.8 | 82.8 | 33.4 | | | | |
| BFO | e P | Z | 19:31:43.0 | 83.1 | 34.8 | 1.1 | 260 | 6.4 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/16 | 22:59: 8.6 | 52.861N | 168.131W | 33.0N | 5.4 | | | SZGRF |

Fox Islands, Aleutian Islands, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z 23:11:01.0 | 77.4 | 359.6 | 1.4 | 43 | 5.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/16 | 22:58:11.9 | 20.387S | 177.633W | 674.8 | | | | SZGRF |

Fiji Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z 23:17:47.5 | 145.9 | 13.4 | | | | | |
| NRDL | e PKPbc | Z 23:17:51.1 | 147.3 | 13.5 | | | | | |
| IBBN | e PKPbc | Z 23:17:53.2 | 147.8 | 9.5 | | | | | |
| CLZ | e PKPbc | Z 23:17:53.4 | 147.9 | 14.2 | | | | | |
| CLL | e PKPbc | Z 23:17:53.3 | 148.0 | 19.0 | | | | | |
| BRG | e PKPbc | Z 23:17:53.9 | 148.2 | 20.9 | | | | | |
| BUG | e PKPbc | Z 23:17:55.3 | 148.7 | 8.9 | | | | | |
| MOX | e PKPbc | Z 23:17:55.4 | 148.9 | 16.9 | | | | | |
| TANN | e PKPbc | Z 23:17:56.1 | 148.9 | 18.6 | | | | | |
| UBBA | e PKPbc | Z 23:17:55.6 | 149.0 | 14.0 | | | | | |
| ROTZ | e PKPbc | Z 23:17:57.5 | 149.6 | 18.5 | | | | | |
| TNS | e PKPbc | Z 23:17:58.3 | 149.8 | 11.4 | | | | | |
| | e PKPab | Z 23:18:03.9 | | | | | | | |
| GRA1 | e PKPbc | Z 23:17:58.5 | 149.9 | 16.7 | | | | | |
| | e PKPab | Z 23:18:05.1 | | | | | | | |
| | e pPKPbc | Z 23:20:28.8 | | | | | | | |
| WET | e PKPbc | Z 23:17:58.7 | 150.0 | 20.0 | | | | | |
| GEC2 | e PKPbc | Z 23:17:58.8 | 150.1 | 21.7 | | | | | |
| WLF | e PKPbc | Z 23:18:00.6 | 150.6 | 7.2 | | | | | |

| | | | | | | | | | |
|------|---|--------|---|------------|-------|------|--|--|--|
| | e | pPKPbc | Z | 23:20:32.3 | | | | | |
| STU | e | PKPbc | Z | 23:18:01.3 | 151.1 | 13.3 | | | |
| FUR | e | PKPbc | Z | 23:18:01.5 | 151.3 | 17.6 | | | |
| | e | PKPab | Z | 23:18:11.3 | | | | | |
| RJOB | e | PKPbc | Z | 23:18:01.6 | 151.4 | 20.7 | | | |
| BFO | e | PKPbc | Z | 23:18:02.4 | 151.6 | 11.8 | | | |

| | | | | | | | | |
|------------|-------------|---------|---------|-------|----|----|-----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/17 | 01:07:39.0 | 46.695N | 10.104E | 10.0G | | | 3.5 | SZGRF |

Northern Italy

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|----|----|-----|
| FUR | e Pn | Z | 01:08:08.1 | 1.7 | 208.8 | | | | | 3.7 |
| | e Sg | N | 01:08:32.8 | | | | | | | |
| BFO | e Pn | Z | 01:08:12.2 | 2.0 | 143.1 | | | | | 2.8 |
| | e Sn | E | 01:08:36.8 | | | | | | | |
| RJOB | e Pn | Z | 01:08:14.7 | 2.1 | 241.3 | | | | | |
| | e Pg | Z | 01:08:17.4 | | | | | | | |
| | e Sg | N | 01:08:46.5 | | | | | | | |
| STU | e Pn | Z | 01:08:14.2 | 2.2 | 163.2 | | | | | |
| WET | e Pn | Z | 01:08:26.4 | 3.1 | 218.2 | | | | | 3.4 |
| | e Sn | E | 01:09:02.6 | | | | | | | |
| GRA1 | e Pn | Z | 01:08:25.4 | 3.1 | 194.4 | | | | | 3.7 |
| | e Sn | E | 01:09:01.5 | | | | | | | |
| GEC2 | e Pn | Z | 01:08:29.1 | 3.2 | 229.7 | | | | | 3.4 |
| | e Sn | E | 01:09:04.6 | | | | | | | |
| | e Sg | N | 01:09:20.8 | | | | | | | |
| TNS | e Pn | Z | 01:08:35.9 | 3.7 | 162.1 | | | | | 3.5 |
| WLF | e Pn | Z | 01:08:38.6 | 4.0 | 136.9 | | | | | |
| TANN | e Pn | Z | 01:08:38.5 | 4.0 | 203.6 | | | | | 3.6 |
| | e Sn | E | 01:09:25.5 | | | | | | | |
| | e Sg | N | 01:09:45.4 | | | | | | | |
| MOX | e Pn | Z | 01:08:38.6 | 4.1 | 194.8 | | | | | 3.4 |
| | e Sn | N | 01:09:26.0 | | | | | | | |
| | e Sg | E | 01:09:47.1 | | | | | | | |
| CLL | e Pn | Z | 01:08:51.2 | 5.0 | 203.5 | | | | | 3.9 |
| CLZ | e Pn | Z | 01:08:55.0 | 5.1 | 182.1 | | | | | 3.6 |

| | | | | | | | | |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/17 | 01:12:28.0 | 26.797N | 92.135E | 33.0N | 5.0 | | | SZGRF |

Northeastern India

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z | 01:22:46.9 | 62.3 | 80.7 | 0.7 | 5 | 4.8 | | |
| GEC2 | e P | Z | 01:22:50.4 | 62.8 | 79.5 | 0.6 | 6 | 4.9 | | |

| | | | | | | | | |
|------|-----|---|------------|------|------|-----|----|-----|
| CLL | e P | Z | 01:22:50.0 | 62.8 | 80.3 | 0.4 | 2 | 4.7 |
| GUNZ | e P | Z | 01:22:54.3 | 63.4 | 79.3 | 0.7 | 4 | 4.8 |
| ROTZ | e P | Z | 01:22:55.7 | 63.6 | 78.9 | 0.7 | 7 | 5.0 |
| RJOB | e P | Z | 01:22:56.5 | 63.6 | 78.3 | 1.1 | 8 | 4.9 |
| MOX | e P | Z | 01:22:57.2 | 63.8 | 78.9 | 0.9 | 4 | 4.6 |
| BSEG | e P | Z | 01:22:58.1 | 63.9 | 79.6 | 0.8 | 10 | 5.1 |
| GRA1 | e P | Z | 01:23:00.0 | 64.2 | 78.2 | 1.3 | 13 | 5.0 |
| CLZ | e P | Z | 01:23:00.6 | 64.3 | 78.6 | 0.7 | 10 | 5.2 |
| NRDL | e P | Z | 01:23:00.6 | 64.3 | 78.7 | 1.0 | 12 | 5.1 |
| STU | e P | Z | 01:23:09.5 | 65.7 | 76.4 | 0.6 | 13 | 5.3 |
| TNS | e P | Z | 01:23:10.2 | 65.8 | 76.5 | 0.7 | 12 | 5.2 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-------------------------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/17 | 01:53:0.4 | 15.871N | 93.651W | 95.4 | 5.1 | | | SZGRF |
| Near coast of Chiapas, Mexico | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| WLF | e pP | Z | 02:05:45.0 | 84.1 | 287.7 | | | | | |
| IBBN | e P | Z | 02:05:21.7 | 84.3 | 288.6 | 1.2 | 33 | 5.2 | | |
| BSEG | e P | Z | 02:05:26.8 | 85.2 | 290.5 | 1.0 | 25 | 5.3 | | |
| TNS | e P | Z | 02:05:26.5 | 85.3 | 289.3 | 0.9 | 34 | 5.5 | | |
| NRDL | e P | Z | 02:05:27.9 | 85.5 | 290.4 | 1.1 | 16 | 5.1 | | |
| BFO | e pP | Z | 02:05:54.6 | 85.9 | 289.4 | | | | | |
| CLZ | e P | Z | 02:05:29.3 | 85.9 | 290.7 | 1.1 | 14 | 5.0 | | |
| STU | e P | Z | 02:05:32.6 | 86.3 | 290.0 | 1.0 | 18 | 5.3 | | |
| MOX | e P | Z | 02:05:35.1 | 87.1 | 291.7 | 1.2 | 8 | 4.8 | | |
| GRA1 | e P | Z | 02:05:36.0 | 87.2 | 291.4 | 1.5 | 50 | 5.5 | | |
| | e pP | Z | 02:06:01.2 | | | | | | | |
| | e | | 02:06:19.6 | | | | | | | |
| WERD | e P | Z | 02:05:38.7 | 87.6 | 292.2 | 1.4 | 12 | 4.9 | | |
| GUNZ | e P | Z | 02:05:39.5 | 87.6 | 292.3 | 1.5 | 18 | 5.1 | | |
| CLL | e P | Z | 02:05:38.7 | 87.6 | 292.7 | 1.0 | 6 | 4.8 | | |
| WERN | e P | Z | 02:05:38.6 | 87.7 | 292.3 | 1.5 | 22 | 5.1 | | |
| TANN | e P | Z | 02:05:39.0 | 87.7 | 292.4 | 1.5 | 14 | 5.0 | | |
| ROTZ | e P | Z | 02:05:39.1 | 87.8 | 292.2 | 1.5 | 13 | 4.9 | | |
| BRG | e P | Z | 02:05:43.4 | 88.4 | 293.5 | 1.0 | 8 | 4.9 | | |
| | e pP | Z | 02:06:08.6 | | | | | | | |
| WET | e P | Z | 02:05:43.0 | 88.4 | 292.7 | 1.2 | 15 | 5.1 | | |
| RJOB | e P | Z | 02:05:45.3 | 88.9 | 292.7 | 1.3 | 10 | 4.9 | | |
| GEC2 | e P | Z | 02:05:45.5 | 89.0 | 293.3 | 1.0 | 4 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/17 | 03:34:34.9 | 24.560S | 179.500W | 519.5 | | | | SZGRF |
| South of Fiji Islands | | | | | | | | |

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| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 03:53:26.0 | 149.7 | 17.9 | | | | | |
| | e PKPab | Z | 03:53:33.1 | | | | | | | |
| NRDL | e PKPbc | Z | 03:53:28.9 | 151.1 | 18.3 | | | | | |
| | e PKPab | Z | 03:53:38.9 | | | | | | | |
| CLL | e PKPbc | Z | 03:53:30.1 | 151.6 | 24.4 | | | | | |
| | e PKPab | Z | 03:53:40.7 | | | | | | | |
| | e pPKPbc | Z | 03:55:31.8 | | | | | | | |
| CLZ | e PKPbc | Z | 03:53:30.7 | 151.7 | 19.2 | | | | | |
| IBBN | e PKPab | Z | 03:53:41.8 | 151.7 | 14.0 | | | | | |
| BRG | e PKPbc | Z | 03:53:30.5 | 151.7 | 26.5 | | | | | |
| | e PKPab | Z | 03:53:41.4 | | | | | | | |
| MOX | e PKPbc | Z | 03:53:31.9 | 152.5 | 22.3 | | | | | |
| ROTZ | e PKPab | Z | 03:53:48.5 | 153.2 | 24.2 | | | | | |
| GRA1 | e PKPbc | Z | 03:53:34.8 | 153.5 | 22.3 | | | | | |
| WET | e PKPab | Z | 03:53:49.7 | 153.6 | 26.0 | | | | | |
| GEC2 | e PKPbc | Z | 03:53:34.2 | 153.6 | 27.8 | | | | | |
| | e PKPab | Z | 03:53:49.4 | | | | | | | |
| TNS | e PKPbc | Z | 03:53:33.8 | 153.6 | 16.4 | | | | | |
| | e PKPab | Z | 03:53:53.8 | | | | | | | |
| WLF | e PKPab | Z | 03:53:54.1 | 154.5 | 12.0 | | | | | |
| BFO | e PKPab | Z | 03:53:57.1 | 155.4 | 17.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|--------------------------------|-------------|--------|---------|-------|-----|----|----|--------|
| 2008/04/17 | 08:29: 7.1 | 8.190N | 91.750E | 31.4 | 5.5 | | | SZGRF |
| Nicobar Islands, India, region | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z | 08:40:51.8 | 76.0 | 94.3 | 1.3 | 44 | 5.4 | | |
| | e pP | Z | 08:41:00.2 | | | | | | | |
| GEC2 | e P | Z | 08:40:51.4 | 76.0 | 93.6 | 1.1 | 48 | 5.5 | | |
| | e pP | Z | 08:41:00.4 | | | | | | | |
| WET | e P | Z | 08:40:55.2 | 76.5 | 93.0 | 1.1 | 32 | 5.4 | | |
| CLL | e P | Z | 08:40:54.7 | 76.6 | 93.6 | 1.3 | 45 | 5.4 | | |
| | e pP | Z | 08:41:03.5 | | | | | | | |
| TANN | e P | Z | 08:40:56.7 | 76.9 | 93.0 | 1.4 | 44 | 5.4 | | |
| ROTZ | e P | Z | 08:40:58.0 | 77.0 | 92.7 | 1.1 | 51 | 5.6 | | |
| MOX | e P | Z | 08:41:00.0 | 77.4 | 92.4 | 1.7 | 94 | 5.6 | | |
| | e pP | Z | 08:41:08.2 | | | | | | | |
| GRA1 | e P | Z | 08:41:01.3 | 77.6 | 91.9 | 1.1 | 95 | 5.8 | | |
| | e pP | Z | 08:41:10.2 | | | | | | | |
| CLZ | e P | Z | 08:41:04.1 | 78.2 | 91.7 | 1.0 | 50 | 5.6 | | |
| | e pP | Z | 08:41:13.4 | | | | | | | |
| BSEG | e P | Z | 08:41:05.1 | 78.3 | 92.1 | 1.2 | 86 | 5.8 | | |
| | e pP | Z | 08:41:14.0 | | | | | | | |
| NRDL | e P | Z | 08:41:05.3 | 78.4 | 91.6 | 1.6 | 89 | 5.6 | | |
| | e pP | Z | 08:41:14.5 | | | | | | | |

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| | | | | | | | | |
|------|------|---|------------|------|------|-----|----|-----|
| BFO | e P | Z | 08:41:10.7 | 79.5 | 89.4 | 1.2 | 41 | 5.2 |
| | e pP | Z | 08:41:19.4 | | | | | |
| IBBN | e P | Z | 08:41:13.4 | 79.9 | 89.7 | 1.3 | 70 | 5.4 |
| BUG | e P | Z | 08:41:14.7 | 80.2 | 89.2 | 1.4 | 64 | 5.4 |
| WLF | e P | Z | 08:41:19.5 | 80.9 | 88.0 | 1.2 | 60 | 5.5 |
| | e pP | Z | 08:41:28.5 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|----|----|--------|
| 2008/04/17 | 08:31:21.7 | 7.046N | 91.546E | 33.8 | 5.2 | | | SZGRF |

Nicobar Islands, India, region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GEC2 | e P | Z 08:43:11.1 | 76.7 | 94.5 | 1.0 | 18 | 5.1 | | |
| BRG | e P | Z 08:43:11.0 | 76.7 | 95.2 | 1.1 | 21 | 5.2 | | |
| WET | e P | Z 08:43:14.2 | 77.3 | 94.0 | 1.0 | 14 | 5.1 | | |
| | e pP | Z 08:43:23.5 | | | | | | | |
| CLL | e P | Z 08:43:14.0 | 77.4 | 94.5 | 1.1 | 17 | 5.1 | | |
| TANN | e P | Z 08:43:15.9 | 77.6 | 93.9 | 1.6 | 31 | 5.2 | | |
| | e pP | Z 08:43:25.8 | | | | | | | |
| WERN | e P | Z 08:43:16.0 | 77.7 | 93.8 | | | | | |
| GUNZ | e P | Z 08:43:16.4 | 77.7 | 93.8 | | | | | |
| WERD | e P | Z 08:43:16.2 | 77.7 | 93.8 | | | | | |
| ROTZ | e P | Z 08:43:17.2 | 77.7 | 93.6 | 1.1 | 21 | 5.2 | | |
| | e pP | Z 08:43:27.2 | | | | | | | |
| PST | e P | Z 08:43:16.5 | 77.8 | 93.8 | | | | | |
| MOX | e P | Z 08:43:18.3 | 78.2 | 93.3 | 1.1 | 15 | 5.0 | | |
| CLZ | e P | Z 08:43:23.5 | 79.0 | 92.6 | 1.1 | 24 | 5.2 | | |
| BSEG | e P | Z 08:43:24.2 | 79.1 | 92.9 | 1.0 | 29 | 5.3 | | |
| NRDL | e P | Z 08:43:24.6 | 79.2 | 92.5 | 1.5 | 45 | 5.3 | | |
| TNS | e P | Z 08:43:30.3 | 80.2 | 90.8 | 0.9 | 31 | 5.2 | | |
| BFO | e P | Z 08:43:29.6 | 80.2 | 90.3 | 1.1 | 20 | 4.9 | | |
| IBBN | e P | Z 08:43:32.8 | 80.6 | 90.6 | 0.6 | 14 | 5.2 | | |
| WLF | e P | Z 08:43:38.6 | 81.7 | 88.9 | 1.2 | 30 | 5.3 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|----|----|--------|
| 2008/04/17 | 10:18:1.3 | 8.189N | 90.957E | 33.0N | 4.7 | | | SZGRF |

Nicobar Islands, India, region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 10:29:51.9 | 77.1 | 92.5 | 1.6 | 11 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/17 | 10:20:27.0 | 19.100S | 167.700E | 35.0 | | | | NEIC |

Vanuatu Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPdf | Z | 10:39:58.2 | 142.8 | 37.0 | | | | | |
| TNS | e PKPdf | Z | 10:39:59.1 | 144.8 | 35.5 | | | | | |
| | e pPKPbc | Z | 10:40:11.4 | | | | | | | |
| RJOB | e PKPdf | Z | 10:39:59.4 | 144.9 | 44.1 | | | | | |
| | e pPKPbc | Z | 10:40:12.1 | | | | | | | |
| FUR | e pPKPbc | Z | 10:40:13.0 | 145.2 | 41.5 | | | | | |
| STU | e PKPdf | Z | 10:40:02.3 | 145.6 | 37.8 | | | | | |
| | e pPKPbc | Z | 10:40:14.7 | | | | | | | |
| WLF | e PKPdf | Z | 10:40:03.9 | 146.1 | 32.4 | | | | | |
| | e pPKPbc | Z | 10:40:16.0 | | | | | | | |
| BFO | e PKPdf | Z | 10:40:04.1 | 146.3 | 36.9 | | | | | |
| | e pPKPbc | Z | 10:40:16.2 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/17 | 17:02:54.3 | 15.900N | 144.800E | 23.0 | | 5.3 | | NEIC |

Mariana Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|-------|------|------|-------|----|-----|----|
| GRA1 | e PP | Z | 17:21:02.5 | 102.7 | 45.6 | | | | | |
| | e SP | Z | 17:30:08.6 | | | | | | | |
| | e SS | E | 17:35:48.1 | | | | | | | |
| | e L | Z | 18:08:40.0 | | | 18.4 | 828 | | 5.3 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/17 | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-----|------|-------|----|----|----|
| BFO | e Pn | Z | 21:42:37.4 | | | | | | | |
| | e Sn | E | 21:43:00.1 | | | | | | | |
| GEC2 | e Sn | E | 21:43:57.5 | | | | | | | |
| GRA1 | e Pn | Z | 21:43:15.0 | | | | | | | |
| | e Sn | E | 21:44:03.8 | | | | | | | |
| RJOB | e Pn | Z | 21:42:57.3 | | | | | | | |
| | e Sn | N | 21:43:35.5 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/17 | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|---------|---|------------|------|-----|------|-------|----|----|----|
| BRG | e PKPbc | Z | 23:09:30.3 | | | | | | | |

| | | | | |
|------|---|-------|---|------------|
| CLL | e | PKPbc | Z | 23:09:29.8 |
| TANN | e | PKPbc | Z | 23:09:32.3 |
| | e | | | 23:11:19.3 |
| WERD | e | PKPbc | Z | 23:09:32.2 |
| | e | | | 23:11:18.9 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/17 | 22:54:55.2 | 22.180S | 170.780E | 33.0N | | | | SZGRF |

Southeast of Loyalty Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|-------|-------|----|----|----|
| BSEG | e | PKPbc | Z | 23:14:28.0 | 145.0 | 32.7 | | | |
| BRG | e | PKPbc | Z | 23:14:31.1 | 146.1 | 40.8 | | | |
| CLL | e | PKPbc | Z | 23:14:31.5 | 146.2 | 39.0 | | | |
| NRDL | e | PKPbc | Z | 23:14:31.9 | 146.3 | 33.5 | | | |
| CLZ | e | PKPbc | Z | 23:14:32.8 | 146.7 | 34.4 | | | |
| PST | e | PKPbc | Z | 23:14:33.7 | 146.8 | 38.2 | | | |
| TANN | e | PKPbc | Z | 23:14:33.8 | 147.1 | 39.0 | | | |
| WERD | e | PKPbc | Z | 23:14:34.5 | 147.1 | 38.7 | | | |
| GUNZ | e | PKPbc | Z | 23:14:34.9 | 147.2 | 38.8 | | | |
| IBBN | e | PKPbc | Z | 23:14:34.8 | 147.2 | 29.9 | | | |
| WERN | e | PKPbc | Z | 23:14:35.2 | 147.2 | 39.0 | | | |
| ROTZ | e | PKPbc | Z | 23:14:36.3 | 147.7 | 39.2 | | | |
| GEC2 | e | PKPbc | Z | 23:14:36.2 | 147.7 | 42.5 | | | |
| WET | e | PKPbc | Z | 23:14:36.6 | 147.9 | 40.9 | | | |
| GRA1 | e | PKPbc | Z | 23:14:37.4 | 148.1 | 37.8 | | | |
| TNS | e | PKPbc | Z | 23:14:38.4 | 148.7 | 32.8 | | | |
| WLF | e | PKPbc | Z | 23:14:42.6 | 150.0 | 29.4 | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/18 | 03:02:2.4 | 35.822N | 80.804E | 33.0N | 4.6 | 4.2 | | SZGRF |

Kashmir-Xizang border region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------|------|------------|------|-------|------|-----|-----|
| GRA1 | e | P | Z | 03:11:01.4 | 51.0 | 77.9 | 1.0 | 8 | 4.6 |
| | e | L | Z | 03:33:31.9 | | | 20.4 | 242 | 4.2 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/18 | 05:58:39.5 | 26.231N | 129.645E | 31.3 | 5.2 | 5.2 | | SZGRF |

Ryukyu Islands, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|------|------|------------|------|-------|-----|----|-----|
| BSEG | e | P | Z | 06:11:04.2 | 84.3 | 51.8 | 1.1 | 40 | 5.6 |

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Thu Apr 23 08:38:25 2020

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| | | | | | | | | | | |
|------|------|---|------------|------|------|------|-----|-----|-----|--|
| BRG | e P | Z | 06:11:05.0 | 84.4 | 54.3 | 1.3 | 18 | 5.1 | | |
| CLL | e P | Z | 06:11:06.0 | 84.6 | 53.6 | 0.8 | 21 | 5.4 | | |
| | e pP | Z | 06:11:15.8 | | | | | | | |
| TANN | e P | Z | 06:11:10.6 | 85.4 | 53.2 | 1.2 | 10 | 4.8 | | |
| CLZ | e P | Z | 06:11:12.2 | 85.6 | 51.7 | 0.8 | 31 | 5.5 | | |
| GEC2 | e P | Z | 06:11:12.2 | 85.7 | 54.0 | 0.9 | 5 | 4.7 | | |
| | e pP | Z | 06:11:22.5 | | | | | | | |
| ROTZ | e P | Z | 06:11:13.9 | 86.0 | 52.9 | 1.1 | 19 | 5.1 | | |
| | e pP | Z | 06:11:23.4 | | | | | | | |
| WET | e pP | Z | 06:11:24.5 | 86.0 | 53.4 | | | | | |
| GRA1 | e P | Z | 06:11:17.5 | 86.5 | 52.2 | 0.8 | 31 | 5.5 | | |
| | e pP | Z | 06:11:26.6 | | | | | | | |
| | e S | R | 06:21:54.5 | | | | | | | |
| | e L | Z | 06:55:11.2 | | | 18.1 | 797 | | 5.2 | |
| IBBN | e P | Z | 06:11:19.4 | 86.6 | 49.7 | 0.6 | 30 | 5.6 | | |
| | e pP | Z | 06:11:27.2 | | | | | | | |
| RJOB | e P | Z | 06:11:20.8 | 86.9 | 53.3 | 1.3 | 19 | 5.1 | | |
| | e pP | Z | 06:11:29.2 | | | | | | | |
| BFO | e pP | Z | 06:11:38.2 | 88.8 | 50.0 | | | | | |
| WLF | e P | Z | 06:11:28.8 | 89.1 | 48.4 | 1.3 | 25 | 5.3 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/18 07:35:50.9 50.680N 154.780E 33.0N 5.7 4.4
 Kuril Islands, Russia SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| BSEG | e P | Z 07:47:09.5 | 71.2 | 22.9 | 0.9 | 26 | 5.4 | | |
| NRDL | e P | Z 07:47:17.3 | 72.6 | 22.6 | 0.9 | 38 | 5.5 | | |
| CLL | e P | Z 07:47:19.2 | 73.0 | 24.2 | 0.9 | 95 | 5.9 | | |
| BRG | e P | Z 07:47:20.2 | 73.1 | 24.7 | 1.2 | 41 | 5.4 | | |
| CLZ | e P | Z 07:47:21.2 | 73.1 | 22.7 | 1.0 | 114 | 5.9 | | |
| IBBN | e P | Z 07:47:21.7 | 73.3 | 21.1 | 0.8 | 68 | 5.7 | | |
| TANN | e P | Z 07:47:25.2 | 73.9 | 23.8 | 0.9 | 27 | 5.3 | | |
| MOX | e P | Z 07:47:25.3 | 73.9 | 23.3 | 1.2 | 74 | 5.6 | | |
| UBBA | e P | Z 07:47:26.4 | 74.2 | 22.3 | 0.8 | 25 | 5.3 | | |
| BUG | e P | Z 07:47:26.8 | 74.2 | 20.7 | 1.0 | 74 | 5.6 | | |
| ROTZ | e P | Z 07:47:29.2 | 74.6 | 23.5 | 0.9 | 67 | 5.6 | | |
| GRA1 | e P | Z 07:47:31.4 | 74.9 | 22.9 | 0.9 | 189 | 6.1 | | |
| | e L | Z 08:22:48.1 | | | 21.3 | 206 | | 4.4 | |
| WET | e P | Z 07:47:31.6 | 75.0 | 23.9 | 1.2 | 115 | 5.8 | | |
| GEC2 | e P | Z 07:47:31.7 | 75.0 | 24.3 | 0.7 | 40 | 5.5 | | |
| TNS | e P | Z 07:47:32.1 | 75.1 | 21.3 | 0.7 | 162 | 6.1 | | |
| WLF | e P | Z 07:47:38.0 | 76.1 | 19.9 | 1.1 | 52 | 5.6 | | |
| STU | e P | Z 07:47:38.6 | 76.3 | 21.6 | 0.8 | 56 | 5.7 | | |
| RJOB | e P | Z 07:47:39.2 | 76.3 | 23.7 | 0.9 | 50 | 5.7 | | |
| FUR | e P | Z 07:47:39.0 | 76.3 | 22.8 | 0.9 | 119 | 6.0 | | |
| BFO | e P | Z 07:47:41.9 | 76.9 | 21.1 | 0.9 | 58 | 5.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/18 | 07:43:50.7 | 25.671N | 128.921E | 28.6 | 4.9 | 4.9 | | SZGRF |

Ryukyu Islands, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| GRA1 | e P | Z 07:56:31.7 | 86.6 | 53.1 | 1.3 | 15 | 4.9 | | |
| | e pP | Z 07:56:40.1 | | | | | | | |
| | e L | Z 08:42:30.5 | | | 18.8 | 444 | | 4.9 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/18 | 07:45:42.5 | 25.696N | 128.747E | 26.5 | 4.8 | | | SZGRF |

Ryukyu Islands, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 07:58:22.4 | 86.5 | 53.2 | 1.0 | 8 | 4.8 | | |
| | e pP | Z 07:58:30.1 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/18 | 09:36:53.9 | 38.097N | 88.779W | 33.0N | 5.1 | 4.9 | | SZGRF |

Southern Illinois, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| IBBN | e P | Z 09:47:30.0 | 64.3 | 299.8 | 1.2 | 30 | 5.4 | | |
| WLF | e P | Z 09:47:30.7 | 64.8 | 299.9 | 1.2 | 30 | 5.4 | | |
| BSEG | e P | Z 09:47:32.8 | 64.8 | 300.8 | 1.1 | 14 | 5.1 | | |
| NRDL | e P | Z 09:47:37.3 | 65.5 | 301.3 | 0.9 | 10 | 5.0 | | |
| TNS | e P | Z 09:47:39.7 | 65.7 | 301.1 | 1.2 | 28 | 5.4 | | |
| CLZ | e P | Z 09:47:41.2 | 65.9 | 301.7 | 1.0 | 15 | 5.2 | | |
| MOX | e P | Z 09:47:49.2 | 67.2 | 302.9 | 0.9 | 8 | 4.9 | | |
| GRA1 | e P | Z 09:47:47.3 | 67.5 | 303.0 | 1.0 | 18 | 5.3 | | |
| | e S | R 09:56:32.8 | | | | | | | |
| | e SS | R 10:01:10.3 | | | | | | | |
| | e L | Z 10:12:21.4 | | | 21.9 | 876 | | 4.9 | |
| CLL | e P | Z 09:47:51.0 | 67.6 | 303.6 | 1.3 | 11 | 4.9 | | |
| TANN | e P | Z 09:47:53.0 | 67.8 | 303.5 | 1.6 | 18 | 5.1 | | |
| NKC | e P | Z 09:47:53.3 | 67.9 | 303.6 | | | | | |
| WET | e P | Z 09:47:58.3 | 68.7 | 304.2 | 1.4 | 16 | 5.1 | | |
| GEC2 | e P | Z 09:48:01.8 | 69.4 | 304.8 | 1.3 | 10 | 4.8 | | |
| RJOB | e P | Z 09:48:03.7 | 69.5 | 304.6 | 0.7 | 6 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/18 | 13:19:12.0 | 27.291N | 142.426E | 33.0N | 4.9 | | | SZGRF |

Bonin Islands, Japan, region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 13:32:16.2 | 91.7 | 42.0 | 0.8 | 5 | 4.9 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/18 | 20:39: 7.7 | 18.250S | 179.050W | 572.7 | | | | SZGRF |

Fiji Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKP | Z 20:57:35.0 | 143.6 | 15.1 | | | | | |
| NRDL | e PKPdf | Z 20:57:40.1 | 145.0 | 15.3 | | | | | |
| IBBN | e PKPdf | Z 20:57:41.0 | 145.5 | 11.5 | | | | | |
| CLL | e PKPdf | Z 20:57:41.3 | 145.6 | 20.5 | | | | | |
| CLZ | e PKPdf | Z 20:57:41.5 | 145.6 | 16.0 | | | | | |
| BRG | e PKPdf | Z 20:57:42.2 | 145.8 | 22.3 | | | | | |
| BUG | e PKPdf | Z 20:57:43.3 | 146.4 | 10.9 | | | | | |
| | e pPKPdf | Z 20:59:56.2 | | | | | | | |
| MOX | e PKPdf | Z 20:57:43.6 | 146.5 | 18.6 | | | | | |
| TANN | e PKPdf | Z 20:57:43.8 | 146.5 | 20.1 | | | | | |
| | e pPKPdf | Z 20:59:56.8 | | | | | | | |
| UBBA | e PKPdf | Z 20:57:43.5 | 146.6 | 15.8 | | | | | |
| ROTZ | e PKPdf | Z 20:57:44.9 | 147.2 | 20.0 | | | | | |
| | e PKPbc | Z 20:57:47.0 | | | | | | | |
| | e pPKPbc | Z 20:59:58.8 | | | | | | | |
| TNS | e PKPdf | Z 20:57:45.3 | 147.5 | 13.3 | | | | | |
| | e PKPbc | Z 20:57:47.4 | | | | | | | |
| GRA1 | e PKPdf | Z 20:57:44.9 | 147.5 | 18.4 | | | | | |
| | e pPKPbc | Z 20:59:59.2 | | | | | | | |
| WET | e PKPdf | Z 20:57:45.6 | 147.6 | 21.5 | | | | | |
| | e PKPbc | Z 20:57:48.0 | | | | | | | |
| GEC2 | e PKPdf | Z 20:57:45.5 | 147.7 | 23.1 | | | | | |
| | e PKPbc | Z 20:57:48.2 | | | | | | | |
| | e pPKPbc | Z 21:00:00.2 | | | | | | | |
| WLF | e PKPdf | Z 20:57:47.2 | 148.3 | 9.4 | | | | | |
| | e PKPbc | Z 20:57:50.1 | | | | | | | |
| STU | e PKPdf | Z 20:57:47.2 | 148.8 | 15.2 | | | | | |
| | e PKPbc | Z 20:57:50.8 | | | | | | | |
| FUR | e PKPdf | Z 20:57:47.5 | 148.9 | 19.3 | | | | | |
| | e PKPbc | Z 20:57:51.4 | | | | | | | |
| RJOB | e PKPdf | Z 20:57:47.2 | 149.0 | 22.2 | | | | | |
| | e PKPbc | Z 20:57:51.2 | | | | | | | |
| | e pPKPbc | Z 21:00:02.7 | | | | | | | |
| BFO | e PKPdf | Z 20:57:48.1 | 149.3 | 13.8 | | | | | |
| | e PKPbc | Z 20:57:52.2 | | | | | | | |

e pPKPbc Z 21:00:03.6

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/18 | 21:10:59.7 | 28.010S | 176.160W | 33.6 | | 6.1 | | SZGRF |

Kermadec Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|-----|----|
| BSEG | e PKPdf | Z 21:30:54.3 | 153.6 | 13.0 | | | | | |
| IBBN | e PKPab | Z 21:31:15.2 | 155.5 | 8.4 | | | | | |
| CLZ | e PKPdf | Z 21:30:51.3 | 155.7 | 14.1 | | | | | |
| CLL | e PKPdf | Z 21:30:50.3 | 155.7 | 20.0 | | | | | |
| | e pPKPdf | Z 21:31:00.0 | | | | | | | |
| | e PKPab | Z 21:31:14.9 | | | | | | | |
| BRG | e PKPdf | Z 21:30:50.0 | 155.9 | 22.3 | | | | | |
| | e pPKPdf | Z 21:31:00.7 | | | | | | | |
| | e PKPab | Z 21:31:16.9 | | | | | | | |
| BUG | e pPKPdf | Z 21:31:02.2 | 156.4 | 7.6 | | | | | |
| MOX | e PKPdf | Z 21:30:51.5 | 156.6 | 17.5 | | | | | |
| | e PKPab | Z 21:31:19.9 | | | | | | | |
| TANN | e PKPdf | Z 21:30:52.4 | 156.7 | 19.5 | | | | | |
| | e PKPab | Z 21:31:20.5 | | | | | | | |
| UBBA | e PKPab | Z 21:31:22.7 | 156.7 | 13.9 | | | | | |
| ROTZ | e PKPab | Z 21:31:23.5 | 157.3 | 19.5 | | | | | |
| GRA1 | e PKPdf | Z 21:30:53.6 | 157.6 | 17.3 | | | | | |
| | e PKPab | Z 21:31:23.0 | | | | | | | |
| | e L | Z 22:53:52.9 | | | 18.0 | 2490 | | 6.1 | |
| WET | e PKPab | Z 21:31:25.1 | 157.8 | 21.5 | | | | | |
| FUR | e PKPab | Z 21:31:30.9 | 159.0 | 18.6 | | | | | |
| RJOB | e PKPab | Z 21:31:31.4 | 159.1 | 22.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|----|----|----|--------|
| 2008/04/18 | 22:26:26.5 | 36.344N | 20.664E | 33.0N | | | | SZGRF |

Central Mediterranean Sea

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|----|----|----|
| GRA1 | e P | Z 22:30:01.7 | 15.0 | 149.3 | 1.8 | 19 | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|----|----|-----|--------|
| 2008/04/19 | 01:49:56.5 | 46.166N | 14.999E | 10.0G | | | 3.8 | SZGRF |

Northwestern Balkan Peninsula

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|----|----|-----|
| OBKA | e Pg | Z 01:50:03.1 | 0.5 | 137.7 | | | | | 3.6 |

| | | | | | | | | | | | |
|------|------|---|------------|-----|-------|--|--|--|--|--|-----|
| ARSA | e Pn | Z | 01:50:14.7 | 1.1 | 198.5 | | | | | | 3.2 |
| KBA | e Pn | Z | 01:50:21.1 | 1.5 | 128.2 | | | | | | 3.3 |
| | e Sg | N | 01:50:41.0 | | | | | | | | |
| MOA | e Pn | Z | 01:50:26.2 | 1.8 | 163.2 | | | | | | 3.0 |
| | e Sg | N | 01:50:49.8 | | | | | | | | |
| RJOB | e Pn | Z | 01:50:32.4 | 2.2 | 135.4 | | | | | | 3.3 |
| GEC2 | e Pn | Z | 01:50:40.4 | 2.8 | 161.4 | | | | | | 3.5 |
| | e Sn | E | 01:51:14.9 | | | | | | | | |
| FUR | e Pn | Z | 01:50:46.7 | 3.2 | 126.9 | | | | | | 4.2 |
| | e Pg | Z | 01:50:55.4 | | | | | | | | |
| | e Sg | E | 01:51:37.4 | | | | | | | | |
| WET | e Pn | Z | 01:50:47.1 | 3.3 | 153.6 | | | | | | 3.7 |
| GRA1 | e Pg | Z | 01:51:16.5 | 4.3 | 142.9 | | | | | | 4.2 |
| | e Sg | N | 01:52:14.6 | | | | | | | | |
| TANN | e Pn | Z | 01:51:05.1 | 4.6 | 157.4 | | | | | | 3.9 |
| | e Sn | N | 01:51:55.7 | | | | | | | | |
| BRG | e Sn | Z | 01:52:00.2 | 4.8 | 171.1 | | | | | | 3.9 |
| MOX | e Pn | Z | 01:51:10.2 | 5.0 | 152.1 | | | | | | 4.0 |
| | e Sn | N | 01:52:06.4 | | | | | | | | |
| BFO | e Pn | Z | 01:51:10.0 | 5.0 | 113.1 | | | | | | 4.0 |
| | e Pg | Z | 01:51:30.3 | | | | | | | | |
| CLL | e Pn | Z | 01:51:13.4 | 5.3 | 164.9 | | | | | | 4.3 |
| TNS | e Pn | Z | 01:51:24.3 | 6.0 | 130.4 | | | | | | 4.3 |
| | e Sn | N | 01:52:28.2 | | | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/19 02:50:20.1 23.045S 173.978W 33.0 5.9 SZGRF
 Tonga Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|-----|----|
| BSEG | e PKPbc | Z | 03:10:07.2 | 148.9 | 7.7 | | | | | |
| NRDL | e PKPbc | Z | 03:10:10.6 | 150.4 | 7.6 | | | | | |
| IBBN | e PKPbc | Z | 03:10:11.2 | 150.7 | 3.3 | | | | | |
| CLZ | e PKPbc | Z | 03:10:12.8 | 151.0 | 8.3 | | | | | |
| CLL | e PKPbc | Z | 03:10:12.7 | 151.2 | 13.4 | | | | | |
| BRG | e PKPbc | Z | 03:10:13.3 | 151.5 | 15.4 | | | | | |
| UBBA | e PKPbc | Z | 03:10:15.6 | 152.1 | 7.8 | | | | | |
| MOX | e PKPbc | Z | 03:10:14.6 | 152.1 | 11.0 | | | | | |
| TANN | e PKPbc | Z | 03:10:14.7 | 152.2 | 12.8 | | | | | |
| TNS | e PKPab | Z | 03:10:24.2 | 152.8 | 4.9 | | | | | |
| ROTZ | e PKPbc | Z | 03:10:16.1 | 152.8 | 12.5 | | | | | |
| | e PKPab | Z | 03:10:25.6 | | | | | | | |
| GRA1 | e PKPbc | Z | 03:10:17.6 | 153.0 | 10.6 | | | | | |
| | e PKKPbc | Z | 03:42:04.2 | | | | | | | |
| | e L | Z | 04:24:49.2 | | | 20.6 | 2160 | | 5.9 | |
| WET | e PKPbc | Z | 03:10:17.3 | 153.3 | 14.2 | | | | | |
| | e PKPab | Z | 03:10:27.3 | | | | | | | |

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| WLF | e | PKPab | Z | 03:10:27.6 | 153.4 | 0.3 |
| GEC2 | e | PKPbc | Z | 03:10:17.7 | 153.5 | 16.0 |
| FUR | e | PKPab | Z | 03:10:33.6 | 154.5 | 11.3 |
| BFO | e | PKPbc | Z | 03:10:20.2 | 154.6 | 5.0 |
| | e | PKPab | Z | 03:10:32.7 | | |
| RJOB | e | PKPab | Z | 03:10:33.4 | 154.7 | 14.7 |

| | | | | | | | | |
|------------|-------------|--------|----------|-------|----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/19 | 03:12:25.8 | 7.800S | 125.700E | 12.0 | | 5.7 | | NEIC |

Banda Sea

| | | | | | | | | | |
|------|----------|--------------|-------|------|------|-------|----|-----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| GRA1 | e PP | Z 03:31:49.2 | 111.7 | 76.0 | | | | | |
| | e PKKPab | Z 03:42:03.9 | | | | | | | |
| | e L | Z 04:24:49.2 | | | 20.6 | 2160 | | 5.7 | |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/19 | 05:58:44.4 | 19.849S | 170.768E | 33.0G | | 6.3 | | SZGRF |

Vanuatu Islands

| | | | | | | | | | |
|------|---------|--------------|-------|------|------|-------|----|-----|----|
| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| BSEG | e PKPbc | Z 06:18:09.0 | 142.8 | 31.4 | | | | | |
| BRG | e PKPbc | Z 06:18:12.8 | 144.0 | 39.0 | | | | | |
| CLL | e PKPbc | Z 06:18:12.8 | 144.0 | 37.3 | | | | | |
| NRDL | e PKPbc | Z 06:18:13.4 | 144.1 | 32.1 | | | | | |
| CLZ | e PKPbc | Z 06:18:15.2 | 144.5 | 32.9 | | | | | |
| TANN | e PKPbc | Z 06:18:16.4 | 144.9 | 37.3 | | | | | |
| IBBN | e PKPbc | Z 06:18:16.5 | 145.0 | 28.6 | | | | | |
| MOX | e PKPbc | Z 06:18:16.7 | 145.1 | 35.8 | | | | | |
| UBBA | e PKPbc | Z 06:18:18.4 | 145.5 | 33.2 | | | | | |
| ROTZ | e PKPbc | Z 06:18:18.7 | 145.6 | 37.4 | | | | | |
| GEC2 | e PKPbc | Z 06:18:18.4 | 145.7 | 40.5 | | | | | |
| WET | e PKPbc | Z 06:18:19.2 | 145.8 | 39.0 | | | | | |
| BUG | e PKPbc | Z 06:18:19.4 | 145.9 | 28.4 | | | | | |
| GRA1 | e PKPbc | Z 06:18:20.2 | 146.0 | 36.0 | | | | | |
| | e SS | T 06:40:43.4 | | | | | | | |
| | e L | Z 07:23:31.4 | | | 20.9 | 5396 | | 6.3 | |
| TNS | e PKPbc | Z 06:18:22.0 | 146.5 | 31.2 | | | | | |
| RJOB | e PKPbc | Z 06:18:22.4 | 146.9 | 40.2 | | | | | |
| FUR | e PKPbc | Z 06:18:23.4 | 147.2 | 37.5 | | | | | |
| STU | e PKPbc | Z 06:18:24.4 | 147.5 | 33.6 | | | | | |
| WLF | e PKPbc | Z 06:18:25.8 | 147.8 | 27.9 | | | | | |
| BFO | e PKPbc | Z 06:18:26.3 | 148.2 | 32.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/19 | 06:06:32.5 | 19.986S | 170.442E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPbc | Z 06:26:04.0 | 144.5 | 33.5 | | | | | |
| IBBN | e PKPbc | Z 06:26:05.4 | 145.0 | 29.2 | | | | | |
| MOX | e PKPbc | Z 06:26:05.6 | 145.1 | 36.4 | | | | | |
| UBBA | e PKPbc | Z 06:26:07.1 | 145.5 | 33.8 | | | | | |
| ROTZ | e PKPbc | Z 06:26:07.7 | 145.6 | 38.0 | | | | | |
| WET | e PKPbc | Z 06:26:05.7 | 145.8 | 39.6 | | | | | |
| BUG | e PKPbc | Z 06:26:07.6 | 145.9 | 29.0 | | | | | |
| GRA1 | e PKPbc | Z 06:26:08.4 | 146.0 | 36.6 | | | | | |
| TNS | e PKPbc | Z 06:26:09.7 | 146.6 | 31.8 | | | | | |
| FUR | e PKPbc | Z 06:26:12.2 | 147.2 | 38.1 | | | | | |
| STU | e PKPbc | Z 06:26:13.3 | 147.5 | 34.2 | | | | | |
| WLF | e PKPbc | Z 06:26:14.2 | 147.8 | 28.5 | | | | | |
| BFO | e PKPbc | Z 06:26:17.4 | 148.2 | 33.2 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/19 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 06:27:45.7 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/19 | 06:39:42.9 | 20.650S | 169.490E | 26.7 | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z 06:59:17.1 | 145.2 | 39.7 | | | | | |
| IBBN | e PKPbc | Z 06:59:17.6 | 145.3 | 31.0 | | | | | |
| MOX | e PKPbc | Z 06:59:17.4 | 145.3 | 38.3 | | | | | |
| ROTZ | e PKPbc | Z 06:59:19.3 | 145.8 | 40.0 | | | | | |
| GEC2 | e PKPbc | Z 06:59:18.7 | 145.8 | 43.1 | | | | | |
| WET | e PKPbc | Z 06:59:21.0 | 146.0 | 41.6 | | | | | |
| GRA1 | e PKPbc | Z 06:59:20.7 | 146.2 | 38.6 | | | | | |
| | e pPKPbc | Z 06:59:30.4 | | | | | | | |
| RJOB | e PKPbc | Z 06:59:22.3 | 147.0 | 42.9 | | | | | |
| WLF | e PKPbc | Z 06:59:26.1 | 148.1 | 30.5 | | | | | |
| BFO | e PKPbc | Z 06:59:26.6 | 148.5 | 35.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source | | | | |
|-----------------|-------------|---------|----------|--------------|-------|------|------|--------|----|-----|----|--|
| 2008/04/19 | | | | | | | | | | | | |
| | | Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML | |
| | | GRA1 | e PKPbc | Z 08:07:44.0 | | | | | | | | |
| 2008/04/19 | | | | | | | | | | | | |
| | | Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML | |
| | | GRA1 | e PKP | Z 09:03:27.4 | | | | | | | | |
| 2008/04/19 | | | | | | | | | | | | |
| | | Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML | |
| | | GRA1 | e PKP | Z 09:47:53.6 | | | | | | | | |
| 2008/04/19 | 10:21:13.3 | 7.966S | 125.563E | 10.0G | | 5.6 | | | | | | |
| Banda Sea | | | | | | | | | | | | |
| | | Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML | |
| | | GRA1 | e PP | Z 10:40:31.7 | 111.7 | 76.2 | | | | | | |
| | | | e SP | R 10:50:00.9 | | | | | | | | |
| | | | e L | Z 11:33:36.4 | | | 19.7 | 1432 | | 5.6 | | |
| 2008/04/19 | 13:14:21.6 | 20.920S | 170.810E | 33.0G | | | | | | | | |
| Vanuatu Islands | | | | | | | | | | | | |
| | | Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML | |
| | | BRG | e PKPbc | Z 13:33:39.0 | 145.0 | 39.8 | | | | | | |
| | | CLZ | e PKPbc | Z 13:33:40.2 | 145.5 | 33.6 | | | | | | |
| | | TANN | e PKPbc | Z 13:33:41.2 | 145.9 | 38.0 | | | | | | |
| | | IBBN | e PKPbc | Z 13:33:41.8 | 146.0 | 29.1 | | | | | | |
| | | MOX | e PKPbc | Z 13:33:42.3 | 146.1 | 36.5 | | | | | | |
| | | UBBA | e PKPbc | Z 13:33:43.5 | 146.5 | 33.8 | | | | | | |
| | | ROTZ | e PKPbc | Z 13:33:44.3 | 146.5 | 38.2 | | | | | | |
| | | GEC2 | e PKPbc | Z 13:33:43.9 | 146.6 | 41.3 | | | | | | |
| | | BUG | e PKPbc | Z 13:33:44.7 | 146.9 | 29.0 | | | | | | |

| | | | | | | |
|------|---|-------|---|------------|-------|------|
| GRA1 | e | PKPbc | Z | 13:33:44.7 | 147.0 | 36.7 |
| TNS | e | PKPbc | Z | 13:33:47.6 | 147.6 | 31.8 |
| RJOB | e | PKPbc | Z | 13:33:46.6 | 147.9 | 41.1 |
| FUR | e | PKPbc | Z | 13:33:49.8 | 148.2 | 38.3 |
| STU | e | PKPbc | Z | 13:33:49.1 | 148.5 | 34.3 |
| WLF | e | PKPbc | Z | 13:33:50.2 | 148.8 | 28.5 |
| BFO | e | PKPbc | Z | 13:33:50.7 | 149.2 | 33.3 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/19 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 15:54:21.3 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/19 | 18:17:15.0 | 46.109N | 153.154E | 33.0N | 4.8 | | | SZGRF |
| Kuril Islands, Russia | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 18:29:14.2 | 78.7 | 25.8 | 1.2 | 13 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/20 | 05:25:37.4 | 12.744N | 124.816E | 33.0G | 5.1 | 5.0 | | SZGRF |
| Samar, Philippine Islands | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| GRA1 | e P | Z 05:38:56.2 | 94.8 | 63.8 | 1.8 | 14 | 5.1 | | |
| | e S | T 05:50:17.3 | | | | | | | |
| | e L | Z 06:25:55.3 | | | 18.4 | 444 | | 5.0 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|-----|----|--------|
| 2008/04/20 | 07:30:49.1 | 4.390S | 26.900E | 33.0N | 5.2 | 4.4 | | SZGRF |
| Zaire | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| RJOB | e P | Z 07:40:05.2 | 53.6 | 162.4 | 0.8 | 18 | 5.0 | | |
| FUR | e P | Z 07:40:10.6 | 54.3 | 160.7 | 0.9 | 50 | 5.4 | | |
| GEC2 | e P | Z 07:40:12.3 | 54.5 | 163.8 | 0.8 | 23 | 5.2 | | |
| WET | e P | Z 07:40:15.3 | 54.9 | 162.8 | 1.0 | 15 | 4.9 | | |
| BFO | e P | Z 07:40:17.1 | 55.2 | 157.2 | 1.2 | 40 | 5.2 | | |
| STU | e P | Z 07:40:18.7 | 55.4 | 158.4 | 1.0 | 26 | 5.1 | | |

| | | | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|-----|-----|--|
| ROTZ | e P | Z | 07:40:20.7 | 55.6 | 162.2 | 0.9 | 20 | 5.1 | | |
| GRA1 | e P | Z | 07:40:21.6 | 55.8 | 161.0 | 0.8 | 43 | 5.5 | | |
| | e PP | Z | 07:42:28.3 | | | | | | | |
| | e S | R | 07:48:05.4 | | | | | | | |
| | e L | Z | 08:04:40.9 | | | 20.5 | 320 | | 4.4 | |
| NKC | e P | Z | 07:40:23.8 | 56.0 | 162.5 | 1.1 | 27 | 5.2 | | |
| WERN | e P | Z | 07:40:24.3 | 56.1 | 162.5 | 1.3 | 37 | 5.2 | | |
| GUNZ | e P | Z | 07:40:24.9 | 56.2 | 162.4 | 1.0 | 21 | 5.1 | | |
| TANN | e P | Z | 07:40:25.0 | 56.2 | 162.6 | 1.0 | 18 | 5.0 | | |
| WERD | e P | Z | 07:40:25.4 | 56.3 | 162.4 | 0.8 | 20 | 5.2 | | |
| PLN | e P | Z | 07:40:25.8 | 56.3 | 162.2 | 0.7 | 48 | 5.6 | | |
| BRG | e P | Z | 07:40:25.7 | 56.4 | 164.4 | 1.3 | 12 | 4.8 | | |
| MOX | e P | Z | 07:40:27.6 | 56.6 | 161.6 | 0.9 | 13 | 5.0 | | |
| PST | e P | Z | 07:40:28.6 | 56.7 | 162.4 | 0.9 | 36 | 5.4 | | |
| TNS | e P | Z | 07:40:29.9 | 56.9 | 157.9 | 1.0 | 79 | 5.7 | | |
| CLL | e P | Z | 07:40:29.9 | 57.0 | 163.4 | 1.1 | 7 | 4.6 | | |
| WLF | e P | Z | 07:40:30.3 | 57.0 | 155.1 | 1.5 | 75 | 5.5 | | |
| UBBA | e P | Z | 07:40:31.2 | 57.1 | 159.8 | 1.0 | 12 | 4.9 | | |
| RUE | e P | Z | 07:40:37.3 | 57.9 | 164.5 | 0.7 | 23 | 5.3 | | |
| CLZ | e P | Z | 07:40:37.5 | 58.0 | 160.5 | 1.3 | 19 | 5.0 | | |
| BUG | e P | Z | 07:40:40.2 | 58.3 | 156.8 | 0.9 | 50 | 5.6 | | |
| NRDL | e P | Z | 07:40:43.2 | 58.6 | 160.3 | 1.2 | 47 | 5.4 | | |
| IBBN | e P | Z | 07:40:45.2 | 59.0 | 157.6 | 0.9 | 14 | 5.0 | | |
| BSEG | e P | Z | 07:40:51.8 | 60.0 | 160.8 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/20 09:22: 5.5 17.180S 174.680W 33.0N
 Tonga Islands SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z 09:41:41.8 | 146.3 | 12.4 | | | | | |
| ROTZ | e PKPbc | Z 09:41:44.2 | 146.9 | 12.1 | | | | | |
| GRA1 | e PKPbc | Z 09:41:44.7 | 147.1 | 10.4 | | | | | |
| WET | e PKPbc | Z 09:41:45.8 | 147.5 | 13.5 | | | | | |
| WLF | e PKPbc | Z 09:41:46.0 | 147.5 | 1.5 | | | | | |
| GEC2 | e PKPbc | Z 09:41:45.4 | 147.6 | 15.1 | | | | | |
| BFO | e PKPbc | Z 09:41:48.5 | 148.8 | 5.5 | | | | | |
| RJOB | e PKPbc | Z 09:41:49.8 | 148.8 | 13.9 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/20 10:10:57.6 20.700S 168.823E 33.0N
 Loyalty Islands SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| WERD | e PKPbc | Z 10:30:30.2 | 145.0 | 40.5 | | | | | |

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| PLN | e | PKPbc | Z | 10:30:30.4 | 145.0 | 40.2 |
| GUNZ | e | PKPbc | Z | 10:30:29.7 | 145.0 | 40.6 |
| WERN | e | PKPbc | Z | 10:30:30.9 | 145.1 | 40.8 |
| MOX | e | PKPbc | Z | 10:30:30.3 | 145.1 | 39.3 |
| IBBN | e | PKPbc | Z | 10:30:30.3 | 145.2 | 32.1 |
| ROTZ | e | PKPbc | Z | 10:30:32.2 | 145.5 | 41.0 |
| GEC2 | e | PKPbc | Z | 10:30:30.8 | 145.6 | 44.1 |
| GRA1 | e | PKPbc | Z | 10:30:33.5 | 146.0 | 39.6 |
| BUG | e | PKPbc | Z | 10:30:33.7 | 146.1 | 32.0 |

| | | | | | | | | |
|------------|-------------|--------|----------|-------|----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/20 | 13:01:21.0 | 7.800S | 125.700E | 6.0 | | 4.9 | | NEIC |

Banda Sea

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|-------|------|------|-------|----|-----|----|
| BRG | e PP | Z | 13:20:32.9 | 109.7 | 77.8 | | | | | |
| CLL | e PP | Z | 13:20:35.7 | 110.2 | 76.8 | | | | | |
| GEC2 | e PP | Z | 13:20:36.4 | 110.3 | 78.3 | | | | | |
| TANN | e PP | Z | 13:20:39.1 | 110.7 | 76.7 | | | | | |
| WET | e PP | Z | 13:20:38.6 | 110.7 | 77.5 | | | | | |
| ROTZ | e PP | Z | 13:20:41.7 | 111.0 | 76.8 | | | | | |
| BSEG | e PP | Z | 13:20:43.2 | 111.1 | 73.6 | | | | | |
| RJOB | e PP | Z | 13:20:41.4 | 111.1 | 78.0 | | | | | |
| MOX | e PP | Z | 13:20:43.2 | 111.2 | 75.9 | | | | | |
| NRDL | e PP | Z | 13:20:46.0 | 111.6 | 74.0 | | | | | |
| CLZ | e PP | Z | 13:20:47.0 | 111.6 | 74.4 | | | | | |
| GRA1 | e PP | Z | 13:20:46.3 | 111.7 | 76.0 | | | | | |
| | e L | E | 14:14:35.9 | | | 21.0 | 355 | | 4.9 | |
| FUR | e PP | Z | 13:20:47.4 | 112.0 | 76.6 | | | | | |
| UBBA | e PP | Z | 13:20:49.9 | 112.1 | 74.5 | | | | | |
| IBBN | e PP | Z | 13:20:56.6 | 113.0 | 72.0 | | | | | |
| STU | e PP | Z | 13:20:56.2 | 113.2 | 74.7 | | | | | |
| TNS | e PP | Z | 13:20:56.9 | 113.2 | 73.4 | | | | | |
| BUG | e PP | Z | 13:20:59.8 | 113.6 | 71.9 | | | | | |
| BFO | e PP | Z | 13:21:01.2 | 113.8 | 74.1 | | | | | |
| WLF | e PP | Z | 13:21:08.6 | 114.8 | 71.7 | | | | | |

| | | | | | | | | |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/20 | 13:14:49.3 | 46.440N | 83.160E | 26.4 | 4.7 | 4.3 | | SZGRF |

Kazakhstan-Xinjiang border region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z | 13:22:57.5 | 44.2 | 67.4 | 0.7 | 5 | 4.3 | | |
| CLL | e P | Z | 13:23:00.3 | 44.6 | 67.4 | 0.9 | 13 | 4.9 | | |
| GEC2 | e P | Z | 13:23:04.9 | 45.2 | 65.4 | 1.1 | 5 | 4.3 | | |

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| | | | | | | | | | | |
|------|------|---|------------|------|------|------|-----|-----|-----|--|
| TANN | e P | Z | 13:23:05.9 | 45.3 | 66.2 | 0.9 | 7 | 4.6 | | |
| WET | e P | Z | 13:23:08.0 | 45.6 | 65.3 | 0.9 | 5 | 4.5 | | |
| | e pP | Z | 13:23:15.0 | | | | | | | |
| MOX | e P | Z | 13:23:09.0 | 45.7 | 66.0 | 0.9 | 7 | 4.7 | | |
| ROTZ | e P | Z | 13:23:09.4 | 45.7 | 65.5 | 0.8 | 3 | 4.3 | | |
| NRDL | e P | Z | 13:23:10.4 | 45.8 | 66.8 | 1.0 | 10 | 4.8 | | |
| | e pP | Z | 13:23:17.6 | | | | | | | |
| RJOB | e P | Z | 13:23:13.6 | 46.2 | 64.0 | 0.8 | 14 | 5.0 | | |
| GRA1 | e P | Z | 13:23:14.3 | 46.3 | 65.0 | 1.0 | 15 | 5.0 | | |
| | e pP | Z | 13:23:21.4 | | | | | | | |
| | e S | R | 13:30:07.3 | | | | | | | |
| | e L | Z | 13:43:22.2 | | | 21.4 | 332 | | 4.3 | |
| FUR | e P | Z | 13:23:19.8 | 46.9 | 63.7 | 0.9 | 16 | 5.1 | | |
| | e pP | Z | 13:23:26.6 | | | | | | | |
| TNS | e P | Z | 13:23:24.8 | 47.7 | 64.0 | 1.1 | 10 | 4.9 | | |
| BFO | e P | Z | 13:23:31.6 | 48.6 | 62.4 | 0.9 | 5 | 4.6 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/21 00:25:34.2 35.366N 81.186E 33.0N 4.4 3.9 SZGRF
 Southern Xinjiang, China

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| BRG | e P | Z 00:34:22.1 | 49.6 | 80.9 | 0.7 | 4 | 4.4 | | |
| GEC2 | e P | Z 00:34:25.6 | 50.1 | 79.0 | 1.0 | 3 | 4.2 | | |
| WET | e P | Z 00:34:29.5 | 50.6 | 78.8 | 1.1 | 3 | 4.1 | | |
| TANN | e P | Z 00:34:29.6 | 50.6 | 79.5 | 1.1 | 4 | 4.3 | | |
| PST | e P | Z 00:34:29.9 | 50.7 | 79.7 | 0.9 | 6 | 4.5 | | |
| WERD | e P | Z 00:34:30.0 | 50.7 | 79.4 | 1.2 | 3 | 4.1 | | |
| ROTZ | e P | Z 00:34:32.4 | 50.9 | 78.8 | 1.5 | 11 | 4.5 | | |
| GRA1 | e P | Z 00:34:37.1 | 51.5 | 78.1 | 0.8 | 11 | 4.8 | | |
| | e L | Z 00:57:39.1 | | | 20.8 | 131 | | 3.9 | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/21 04:12:24.2 19.730S 171.170E 33.0N
 Vanuatu Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| IBBN | e PKPbc | Z 04:31:57.3 | 145.0 | 27.9 | | | | | |
| TANN | e PKPbc | Z 04:31:57.3 | 145.0 | 36.6 | | | | | |
| WERD | e PKPbc | Z 04:31:56.6 | 145.0 | 36.3 | | | | | |
| GUNZ | e PKPbc | Z 04:31:57.9 | 145.1 | 36.4 | | | | | |
| MOX | e PKPbc | Z 04:31:57.1 | 145.1 | 35.1 | | | | | |
| WERN | e PKPbc | Z 04:31:57.2 | 145.1 | 36.5 | | | | | |
| NKC | e PKPbc | Z 04:31:57.3 | 145.1 | 36.7 | | | | | |
| UBBA | e PKPbc | Z 04:31:59.0 | 145.5 | 32.5 | | | | | |

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|------|---|-------|---|------------|-------|------|
| ROTZ | e | PKPbc | Z | 04:31:59.0 | 145.6 | 36.7 |
| GEC2 | e | PKPbc | Z | 04:31:59.7 | 145.7 | 39.8 |
| WET | e | PKPbc | Z | 04:31:59.1 | 145.8 | 38.3 |
| BUG | e | PKPbc | Z | 04:31:59.3 | 145.9 | 27.7 |
| GRA1 | e | PKPbc | Z | 04:32:01.3 | 146.0 | 35.3 |
| FUR | e | PKPab | Z | 04:32:06.4 | 147.3 | 36.7 |
| BFO | e | PKPbc | Z | 04:32:06.2 | 148.2 | 31.8 |
| | e | PKPab | Z | 04:32:08.6 | | |

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|------------|-------------|--------|----------|--------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/21 | 05:33:37.1 | 7.149S | 129.800E | 144.0G | | | | NEIC |

Banda Sea

| | | | | | | | | | | |
|------|-------|-------|--------------|-------|------|------|-------|----|----|----|
| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| BRG | e | PKiKP | Z 05:51:55.0 | 111.7 | 73.9 | | | | | |
| CLL | e | PKiKP | Z 05:51:55.3 | 112.1 | 73.0 | | | | | |
| GEC2 | e | PKiKP | Z 05:51:55.9 | 112.4 | 74.5 | | | | | |
| PST | e | PKiKP | Z 05:51:56.4 | 112.7 | 72.5 | | | | | |
| TANN | e | PKiKP | Z 05:51:56.8 | 112.7 | 72.9 | | | | | |
| WERD | e | PKiKP | Z 05:51:56.7 | 112.8 | 72.7 | | | | | |
| WET | e | PKiKP | Z 05:51:56.9 | 112.8 | 73.7 | | | | | |
| RJOB | e | PKiKP | Z 05:51:57.1 | 113.3 | 74.2 | | | | | |
| NRDL | e | PKiKP | Z 05:51:56.3 | 113.5 | 70.0 | | | | | |
| CLZ | e | PKiKP | Z 05:51:58.2 | 113.5 | 70.5 | | | | | |
| GRA1 | e | PKiKP | Z 05:51:57.5 | 113.7 | 72.1 | | | | | |
| BUG | e | PKiKP | Z 05:52:00.1 | 115.5 | 67.9 | | | | | |

| | | | | | | | | |
|------------|-------------|-----|------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/21 | | | | | | | | |

| | | | | | | | | | | |
|------|-------|-----|--------------|------|-----|------|-------|----|----|----|
| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| GRA1 | e | PKP | Z 06:53:51.6 | | | | | | | |
| | e | | 06:54:01.2 | | | | | | | |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/21 | 09:13:16.5 | 22.796S | 168.455E | 33.0N | | | | SZGRF |

New Caledonia

| | | | | | | | | | | |
|------|-------|--------|--------------|-------|------|------|-------|----|----|----|
| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
| TANN | e | PKPbc | Z 09:32:54.4 | 146.6 | 43.0 | | | | | |
| | e | pPKPbc | Z 09:33:04.4 | | | | | | | |
| WERD | e | PKPbc | Z 09:32:54.7 | 146.7 | 42.7 | | | | | |
| | e | pPKPbc | Z 09:33:04.3 | | | | | | | |

| | | | | | |
|------|----------|---|------------|-------|------|
| | e | | 09:33:13.7 | | |
| GUNZ | e PKPbc | Z | 09:32:55.1 | 146.7 | 42.9 |
| | e | | 09:33:14.2 | | |
| WERN | e pPKPbc | Z | 09:33:04.7 | 146.8 | 43.0 |
| | e | | 09:33:14.1 | | |
| MOX | e PKPbc | Z | 09:32:55.1 | 146.8 | 41.5 |
| | e | | 09:33:14.0 | | |
| GEC2 | e PKPbc | Z | 09:32:56.8 | 147.2 | 46.5 |
| | e pPKPbc | Z | 09:33:05.9 | | |
| | e | | 09:33:15.4 | | |
| ROTZ | e PKPbc | Z | 09:32:57.0 | 147.2 | 43.3 |
| | e pPKPbc | Z | 09:33:06.2 | | |
| | e | | 09:33:15.5 | | |
| UBBA | e PKPbc | Z | 09:32:57.5 | 147.4 | 38.9 |
| | e pPKPbc | Z | 09:33:07.2 | | |
| WET | e pPKPbc | Z | 09:33:06.4 | 147.4 | 45.0 |
| GRA1 | e pPKPbc | Z | 09:33:07.7 | 147.7 | 41.9 |
| | e | | 09:33:17.0 | | |
| GRFO | e pPKPbc | Z | 09:33:08.3 | 147.7 | 41.9 |
| WLF | e PKPbc | Z | 09:33:04.0 | 149.7 | 33.8 |
| | e pPKPbc | Z | 09:33:13.6 | | |
| | e | | 09:33:23.3 | | |
| BFO | e PKPbc | Z | 09:33:04.0 | 150.0 | 38.8 |
| | e pPKPbc | Z | 09:33:13.9 | | |

Date 2008/04/21 Origin Time 21:43:17.2 Lat 31.600S Long 178.000W Depth 40.0 mb Ms ML Source NEIC
 Kermadec Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|-------|------|------|-------|----|----|----|
| GRA1 | e PKP | Z | 22:03:53.8 | 160.6 | 24.3 | | | | | |

Date 2008/04/21 Origin Time 22:06: 5.4 Lat 22.080S Long 166.460E Depth 33.0N mb Ms ML Source SZGRF
 New Caledonia

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPbc | Z | 22:25:37.3 | 145.0 | 40.9 | | | | | |
| TANN | e PKPbc | Z | 22:25:38.1 | 145.1 | 45.3 | | | | | |
| MOX | e PKPbc | Z | 22:25:38.7 | 145.3 | 43.8 | | | | | |
| GEC2 | e PKPbc | Z | 22:25:40.4 | 145.6 | 48.7 | | | | | |
| ROTZ | e PKPbc | Z | 22:25:40.1 | 145.7 | 45.6 | | | | | |
| WET | e PKPbc | Z | 22:25:40.7 | 145.8 | 47.2 | | | | | |
| UBBA | e PKPbc | Z | 22:25:41.4 | 145.9 | 41.3 | | | | | |
| GRA1 | e PKPbc | Z | 22:25:42.0 | 146.2 | 44.2 | | | | | |

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|-----|---|-------|---|------------|-------|------|
| WLF | e | PKPbc | Z | 22:25:48.6 | 148.3 | 36.5 |
| BFO | e | PKPbc | Z | 22:25:49.4 | 148.5 | 41.3 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/22 | 01:52:0.2 | 24.260S | 178.360W | 33.0N | | | | SZGRF |

South of Fiji Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e | PKPbc | Z 02:11:46.2 | 149.6 | 15.8 | | | | | |
| NRDL | e | PKPbc | Z 02:11:49.4 | 151.0 | 16.1 | | | | | |
| CLL | e | PKPbc | Z 02:11:51.3 | 151.6 | 22.2 | | | | | |
| CLZ | e | PKPbc | Z 02:11:51.6 | 151.6 | 16.9 | | | | | |
| BRG | e | PKPbc | Z 02:11:51.7 | 151.7 | 24.2 | | | | | |
| NEUB | e | PKPbc | Z 02:11:52.4 | 151.9 | 19.9 | | | | | |
| PST | e | PKPbc | Z 02:11:52.5 | 152.2 | 21.1 | | | | | |
| MOX | e | PKPbc | Z 02:11:53.5 | 152.5 | 20.0 | | | | | |
| TANN | e | PKPbc | Z 02:11:53.5 | 152.5 | 21.8 | | | | | |
| PLN | e | PKPbc | Z 02:11:53.6 | 152.5 | 21.2 | | | | | |
| WERD | e | PKPbc | Z 02:11:53.5 | 152.5 | 21.5 | | | | | |
| GUNZ | e | PKPbc | Z 02:11:53.6 | 152.6 | 21.6 | | | | | |
| WERN | e | PKPbc | Z 02:11:53.9 | 152.7 | 21.7 | | | | | |
| TNS | e | PKPbc | Z 02:11:55.7 | 153.5 | 14.0 | | | | | |
| GEC2 | e | PKPbc | Z 02:11:56.0 | 153.6 | 25.4 | | | | | |
| RJOB | e | PKPbc | Z 02:11:58.3 | 154.9 | 24.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/22 | 07:46:19.0 | 24.240S | 166.740E | 26.5 | | | | SZGRF |

New Caledonia region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------|--------------|-------|------|------|-------|----|----|----|
| TANN | e | PKPbc | Z 08:05:58.1 | 147.1 | 46.8 | | | | | |
| WERD | e | PKPbc | Z 08:05:58.0 | 147.2 | 46.5 | | | | | |
| GUNZ | e | PKPbc | Z 08:05:58.2 | 147.2 | 46.7 | | | | | |
| WERN | e | PKPbc | Z 08:05:58.7 | 147.3 | 46.8 | | | | | |
| MOX | e | PKPbc | Z 08:05:58.4 | 147.4 | 45.3 | | | | | |
| ROTZ | e | PKPbc | Z 08:06:00.4 | 147.7 | 47.2 | | | | | |
| GRA1 | e | PKPbc | Z 08:06:01.7 | 148.2 | 45.8 | | | | | |
| | e | pPKPbc | Z 08:06:09.6 | | | | | | | |
| | e | SS | T 08:28:37.1 | | | | | | | |
| TNS | e | PKPbc | Z 08:06:03.4 | 149.0 | 41.0 | | | | | |
| WLF | e | PKPbc | Z 08:06:07.4 | 150.4 | 37.9 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------|-------------|-----|------|-------|----|----|----|--------|
|------|-------------|-----|------|-------|----|----|----|--------|

2008/04/22 10:41:39.0
South of Fiji Islands

23.500S 178.500W 33.0G

SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 11:01:22.6 | 148.9 | 15.8 | | | | | |
| NRDL | e PKPbc | Z | 11:01:26.4 | 150.3 | 16.1 | | | | | |
| IBBN | e PKPbc | Z | 11:01:28.6 | 150.8 | 11.8 | | | | | |
| CLL | e PKPbc | Z | 11:01:28.2 | 150.8 | 22.0 | | | | | |
| CLZ | e PKPbc | Z | 11:01:28.3 | 150.9 | 16.9 | | | | | |
| BRG | e PKPbc | Z | 11:01:28.9 | 151.0 | 24.0 | | | | | |
| BUG | e PKPbc | Z | 11:01:30.2 | 151.7 | 11.2 | | | | | |
| MOX | e PKPbc | Z | 11:01:30.4 | 151.7 | 19.9 | | | | | |
| TANN | e PKPbc | Z | 11:01:30.4 | 151.8 | 21.6 | | | | | |
| WERD | e PKPbc | Z | 11:01:30.7 | 151.8 | 21.3 | | | | | |
| GUNZ | e PKPbc | Z | 11:01:30.9 | 151.8 | 21.4 | | | | | |
| WERN | e PKPbc | Z | 11:01:31.4 | 151.9 | 21.6 | | | | | |
| ROTZ | e PKPbc | Z | 11:01:32.1 | 152.4 | 21.6 | | | | | |
| GRA1 | e PKPbc | Z | 11:01:32.7 | 152.7 | 19.7 | | | | | |
| TNS | e PKPbc | Z | 11:01:32.5 | 152.7 | 14.0 | | | | | |
| GEC2 | e PKPbc | Z | 11:01:32.6 | 152.9 | 25.2 | | | | | |
| WLF | e PKPbc | Z | 11:01:35.1 | 153.6 | 9.6 | | | | | |
| FUR | e PKPbc | Z | 11:01:36.1 | 154.1 | 20.9 | | | | | |
| RJOB | e PKPbc | Z | 11:01:35.7 | 154.1 | 24.3 | | | | | |
| BFO | e PKPbc | Z | 11:01:36.2 | 154.6 | 14.7 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/22 15:32:21.0 20.874S 168.448E 26.3 4.7
Loyalty Islands SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 15:51:51.2 | 144.0 | 43.1 | | | | | |
| | e pPKPbc | Z | 15:51:59.3 | | | | | | | |
| CLL | e PKPbc | Z | 15:51:52.1 | 144.0 | 41.4 | | | | | |
| NRDL | e PKPbc | Z | 15:51:54.1 | 144.2 | 36.2 | | | | | |
| CLZ | e PKPbc | Z | 15:51:53.9 | 144.7 | 37.1 | | | | | |
| | e pPKPbc | Z | 15:52:02.0 | | | | | | | |
| TANN | e PKPbc | Z | 15:51:54.7 | 144.9 | 41.4 | | | | | |
| | e pPKPbc | Z | 15:52:02.8 | | | | | | | |
| MOX | e PKPbc | Z | 15:51:55.0 | 145.1 | 40.0 | | | | | |
| | e pPKPbc | Z | 15:52:03.2 | | | | | | | |
| IBBN | e PKPbc | Z | 15:51:55.5 | 145.2 | 32.8 | | | | | |
| | e pPKPbc | Z | 15:52:03.0 | | | | | | | |
| ROTZ | e PKPbc | Z | 15:51:57.1 | 145.5 | 41.7 | | | | | |
| | e pPKPbc | Z | 15:52:05.2 | | | | | | | |
| GEC2 | e PKPbc | Z | 15:51:56.7 | 145.5 | 44.8 | | | | | |
| | e pPKPbc | Z | 15:52:04.9 | | | | | | | |
| UBBA | e PKPbc | Z | 15:51:57.2 | 145.6 | 37.4 | | | | | |

| | | | | | | | | | | |
|------|----------|---|------------|-------|------|------|-----|--|-----|--|
| | e pPKPbc | Z | 15:52:04.6 | | | | | | | |
| WET | e PKPbc | Z | 15:51:57.1 | 145.7 | 43.3 | | | | | |
| | e pPKPbc | Z | 15:52:05.6 | | | | | | | |
| GRA1 | e PKPbc | Z | 15:51:59.4 | 146.0 | 40.3 | | | | | |
| | e SS | T | 16:14:33.9 | | | | | | | |
| | e L | Z | 16:57:21.6 | | | 21.7 | 138 | | 4.7 | |
| BUG | e PKPbc | Z | 15:51:58.5 | 146.1 | 32.7 | | | | | |
| | e pPKPbc | Z | 15:52:05.8 | | | | | | | |
| TNS | e PKPbc | Z | 15:52:00.7 | 146.7 | 35.6 | | | | | |
| | e pPKPbc | Z | 15:52:08.2 | | | | | | | |
| RJOB | e PKPbc | Z | 15:52:00.7 | 146.7 | 44.6 | | | | | |
| FUR | e PKPbc | Z | 15:52:02.8 | 147.1 | 41.9 | | | | | |
| WLF | e PKPbc | Z | 15:52:05.1 | 148.0 | 32.4 | | | | | |
| | e pPKPbc | Z | 15:52:12.5 | | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/22 17:53:29.8 35.300N 29.850E 10.0G 4.2 3.0
 Eastern Mediterranean Sea SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|-----|----|
| RJOB | e P | Z | 17:57:39.5 | 17.7 | 128.3 | 0.8 | 5 | 3.7 | | |
| GEC2 | e P | Z | 17:57:40.7 | 18.0 | 132.8 | 1.1 | 8 | 3.7 | | |
| WET | e P | Z | 17:57:47.6 | 18.6 | 131.7 | 1.1 | 11 | 4.0 | | |
| FUR | e P | Z | 17:57:50.7 | 18.8 | 126.3 | 0.9 | 28 | 4.5 | | |
| BRG | e P | Z | 17:57:56.7 | 19.3 | 137.5 | 0.9 | 8 | 4.0 | | |
| ROTZ | e P | Z | 17:57:58.2 | 19.4 | 131.7 | 1.2 | 12 | 4.0 | | |
| NKC | e P | Z | 17:57:59.0 | 19.6 | 133.2 | | | | | |
| WERN | e P | Z | 17:57:59.7 | 19.6 | 133.1 | | | | | |
| TANN | e P | Z | 17:58:00.0 | 19.7 | 133.6 | 1.0 | 7 | 3.9 | | |
| GUNZ | e P | Z | 17:58:00.4 | 19.7 | 133.2 | | | | | |
| WERD | e P | Z | 17:58:01.0 | 19.8 | 133.3 | | | | | |
| GRA1 | e P | Z | 17:58:03.1 | 19.8 | 129.6 | 1.2 | 24 | 4.3 | | |
| | e L | Z | 18:05:51.6 | | | 21.5 | 77 | | 3.0 | |
| CLL | e P | Z | 17:58:04.5 | 20.1 | 136.4 | 0.9 | 10 | 4.0 | | |
| MOX | e P | Z | 17:58:07.9 | 20.2 | 132.4 | 0.1 | 30 | 5.3 | | |
| BFO | e P | Z | 17:58:09.4 | 20.5 | 121.4 | 1.0 | 14 | 4.3 | | |
| TNS | e P | Z | 17:58:20.9 | 21.5 | 125.7 | 1.0 | 17 | 4.4 | | |
| CLZ | e P | Z | 17:58:21.8 | 21.6 | 132.3 | 1.5 | 16 | 4.2 | | |
| NRDL | e P | Z | 17:58:27.8 | 22.2 | 133.1 | 1.1 | 8 | 4.1 | | |
| BSEG | e P | Z | 17:58:36.6 | 23.1 | 135.9 | 1.1 | 22 | 4.6 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/22 21:02:44.3 21.100S 177.520W 33.0N
 Fiji Islands region SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 21:22:22.2 | 146.6 | 13.4 | | | | | |
| NRDL | e PKPbc | Z | 21:22:25.7 | 148.1 | 13.5 | | | | | |
| CLZ | e PKPbc | Z | 21:22:28.0 | 148.7 | 14.3 | | | | | |
| CLL | e PKPbc | Z | 21:22:28.0 | 148.7 | 19.1 | | | | | |
| BRG | e PKPbc | Z | 21:22:28.9 | 148.9 | 21.0 | | | | | |
| NEUB | e PKPbc | Z | 21:22:28.9 | 149.0 | 17.0 | | | | | |
| MOX | e PKPbc | Z | 21:22:30.3 | 149.6 | 17.0 | | | | | |
| PLN | e PKPbc | Z | 21:22:30.5 | 149.6 | 18.1 | | | | | |
| TANN | e PKPbc | Z | 21:22:30.6 | 149.6 | 18.7 | | | | | |
| WERD | e PKPbc | Z | 21:22:30.6 | 149.6 | 18.4 | | | | | |
| GUNZ | e PKPbc | Z | 21:22:30.5 | 149.7 | 18.5 | | | | | |
| WERN | e PKPbc | Z | 21:22:31.2 | 149.8 | 18.6 | | | | | |
| NKC | e PKPbc | Z | 21:22:31.3 | 149.8 | 18.7 | | | | | |
| ROTZ | e PKPbc | Z | 21:22:32.2 | 150.3 | 18.6 | | | | | |
| TNS | e PKPbc | Z | 21:22:32.4 | 150.5 | 11.4 | | | | | |
| GRA1 | e PKPbc | Z | 21:22:33.2 | 150.6 | 16.8 | | | | | |
| GEC2 | e PKPbc | Z | 21:22:32.9 | 150.8 | 21.9 | | | | | |
| WLF | e PKPbc | Z | 21:22:34.9 | 151.3 | 7.1 | | | | | |
| BFO | e PKPbc | Z | 21:22:36.9 | 152.4 | 11.8 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/23 | 00:00:48.0 | 25.700S | 45.400W | 10.0 | 5.1 | | | NEIC |

South Atlantic Ocean

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z | 00:13:50.1 | 90.6 | 228.8 | 1.2 | 14 | 5.1 | | |
| | e PcP | Z | 00:13:56.5 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/23 | 01:27:20.8 | 34.035N | 141.453E | 46.6 | 5.1 | | | SZGRF |

Off east coast of Honshu, Japan

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| BSEG | e P | Z | 01:39:40.0 | 82.4 | 39.0 | 1.2 | 16 | 5.1 | | |
| BRG | e P | Z | 01:39:44.6 | 83.4 | 41.4 | 1.5 | 13 | 4.9 | | |
| CLL | e P | Z | 01:39:44.6 | 83.4 | 40.8 | 1.0 | 15 | 5.2 | | |
| NRDL | e P | Z | 01:39:46.1 | 83.6 | 38.8 | | | | | |
| CLZ | e P | Z | 01:39:48.5 | 84.1 | 38.9 | 1.3 | 28 | 5.3 | | |
| TANN | e P | Z | 01:39:49.5 | 84.3 | 40.3 | | | | | |
| MOX | e P | Z | 01:39:50.3 | 84.5 | 39.7 | 1.1 | 9 | 4.9 | | |
| IBBN | e P | Z | 01:39:51.4 | 84.7 | 37.0 | | | | | |
| ROTZ | e P | Z | 01:39:53.0 | 84.9 | 40.1 | | | | | |
| GEC2 | e P | Z | 01:39:52.5 | 85.0 | 41.1 | 0.9 | 6 | 4.8 | | |
| UBBA | e P | Z | 01:39:52.8 | 85.0 | 38.6 | | | | | |

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| | | | | | | | | |
|------|------|---|------------|------|------|-----|----|-----|
| WET | e P | Z | 01:39:53.6 | 85.1 | 40.6 | 1.8 | 15 | 4.9 |
| GRA1 | e P | Z | 01:39:55.2 | 85.4 | 39.4 | 1.2 | 33 | 5.3 |
| | e pP | Z | 01:40:08.7 | | | | | |
| BUG | e P | Z | 01:39:55.4 | 85.5 | 36.6 | 1.6 | 27 | 5.1 |
| TNS | e P | Z | 01:39:58.3 | 86.1 | 37.4 | 1.3 | 28 | 5.2 |
| RJOB | e P | Z | 01:39:59.1 | 86.2 | 40.4 | | | |
| FUR | e P | Z | 01:40:00.5 | 86.5 | 39.4 | 1.3 | 23 | 5.2 |
| STU | e P | Z | 01:40:02.3 | 86.9 | 37.9 | | | |
| WLF | e P | Z | 01:40:05.1 | 87.4 | 35.7 | | | |
| BFO | e P | Z | 01:40:05.7 | 87.6 | 37.3 | 1.1 | 4 | 4.7 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/23 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 17:32:14.8 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/23 | 18:28:43.8 | 22.753N | 122.281E | 33.0N | 5.8 | 6.4 | | SZGRF |
| Taiwan region | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| BRG | e P | Z 18:41:07.2 | 83.3 | 61.8 | 1.4 | 66 | 5.7 | | |
| CLL | e P | Z 18:41:08.4 | 83.6 | 61.2 | 1.6 | 108 | 5.8 | | |
| BSEG | e P | Z 18:41:09.6 | 83.7 | 59.4 | 1.5 | 59 | 5.6 | | |
| TANN | e P | Z 18:41:12.5 | 84.3 | 60.7 | | | | | |
| GEC2 | e P | Z 18:41:12.8 | 84.4 | 61.4 | 1.9 | 134 | 5.9 | | |
| NRDL | e P | Z 18:41:14.0 | 84.6 | 59.1 | | | | | |
| MOX | e P | Z 18:41:14.3 | 84.7 | 60.1 | 1.6 | 74 | 5.7 | | |
| WET | e P | Z 18:41:14.7 | 84.7 | 60.9 | 1.7 | 84 | 5.7 | | |
| CLZ | e P | Z 18:41:15.1 | 84.7 | 59.2 | 1.8 | 204 | 6.1 | | |
| ROTZ | e P | Z 18:41:15.3 | 84.8 | 60.4 | | | | | |
| GRA1 | e P | Z 18:41:18.2 | 85.4 | 59.7 | 1.6 | 106 | 5.7 | | |
| | e PP | Z 18:44:36.0 | | | | | | | |
| | e S | N 18:51:48.4 | | | | | | | |
| | e L | Z 19:21:26.7 | | | 18.1 | 14098 | | 6.4 | |
| RJOB | e P | Z 18:41:18.3 | 85.4 | 60.7 | | | | | |
| UBBA | e P | Z 18:41:18.3 | 85.5 | 58.9 | | | | | |
| IBBN | e P | Z 18:41:20.3 | 85.9 | 57.3 | 1.8 | 198 | 5.9 | | |
| FUR | e P | Z 18:41:21.9 | 86.1 | 59.6 | 1.9 | 248 | 6.0 | | |
| BUG | e P | Z 18:41:23.8 | 86.6 | 56.8 | 1.7 | 124 | 5.8 | | |
| TNS | e P | Z 18:41:24.2 | 86.6 | 57.7 | 1.6 | 79 | 5.6 | | |
| STU | e P | Z 18:41:25.8 | 87.0 | 58.2 | | | | | |
| BFO | e P | Z 18:41:29.1 | 87.7 | 57.5 | 2.3 | 74 | 5.6 | | |
| WLF | e P | Z 18:41:31.9 | 88.2 | 55.9 | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKPbc | Z 04:43:14.7 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|-----|----|--------|
| 2008/04/24 | 12:14:54.1 | 1.150S | 22.763W | 33.0N | 5.4 | 5.7 | | SZGRF |

Central Mid-Atlantic Ridge

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| BFO | e P | Z 12:24:32.2 | 56.3 | 218.3 | 1.5 | 51 | 5.3 | | |
| | e S | R 12:32:25.5 | | | | | | | |
| WLF | e P | Z 12:24:33.6 | 56.6 | 215.4 | 1.3 | 25 | 5.1 | | |
| | e S | R 12:32:28.6 | | | | | | | |
| STU | e P | Z 12:24:36.8 | 57.0 | 219.1 | 0.7 | 24 | 5.4 | | |
| | e S | R 12:32:34.5 | | | | | | | |
| FUR | e P | Z 12:24:40.4 | 57.5 | 221.6 | | | | | |
| | e S | R 12:32:38.0 | | | | | | | |
| RJOB | e P | Z 12:24:42.5 | 57.8 | 223.4 | 0.9 | 31 | 5.3 | | |
| TNS | e P | Z 12:24:43.1 | 57.9 | 217.7 | 1.4 | 113 | 5.7 | | |
| | e S | R 12:32:46.8 | | | | | | | |
| BUG | e P | Z 12:24:46.5 | 58.4 | 216.0 | 1.4 | 60 | 5.4 | | |
| | e S | R 12:32:53.8 | | | | | | | |
| GRA1 | e P | Z 12:24:48.1 | 58.6 | 220.9 | 1.7 | 87 | 5.5 | | |
| | e | 12:25:08.5 | | | | | | | |
| | e S | R 12:32:55.3 | | | | | | | |
| | e L | Z 12:48:46.0 | | | 20.3 | 5515 | | 5.7 | |
| WET | e P | Z 12:24:50.2 | 58.9 | 222.9 | 1.4 | 54 | 5.4 | | |
| | e S | R 12:32:58.8 | | | | | | | |
| UBBA | e P | Z 12:24:50.7 | 59.0 | 219.2 | 1.5 | 50 | 5.3 | | |
| | e S | R 12:33:01.0 | | | | | | | |
| GEC2 | e P | Z 12:24:51.5 | 59.1 | 223.8 | 2.2 | 92 | 5.4 | | |
| | e S | R 12:32:59.7 | | | | | | | |
| ROTZ | e P | Z 12:24:51.4 | 59.1 | 221.9 | 1.4 | 38 | 5.2 | | |
| | e S | R 12:33:02.3 | | | | | | | |
| IBBN | e P | Z 12:24:52.3 | 59.3 | 216.2 | 1.0 | 58 | 5.6 | | |
| MOX | e P | Z 12:24:54.4 | 59.5 | 220.9 | 1.6 | 66 | 5.4 | | |
| | e S | R 12:33:08.0 | | | | | | | |
| WERN | e P | Z 12:24:54.8 | 59.5 | 221.9 | 1.2 | 30 | 5.2 | | |
| GUNZ | e P | Z 12:24:54.9 | 59.6 | 221.8 | 1.6 | 62 | 5.4 | | |
| WERD | e P | Z 12:24:55.3 | 59.6 | 221.7 | 1.5 | 41 | 5.3 | | |
| TANN | e P | Z 12:24:55.7 | 59.7 | 221.9 | 1.5 | 58 | 5.4 | | |
| | e S | R 12:33:10.7 | | | | | | | |
| CLZ | e P | Z 12:24:57.0 | 59.9 | 219.2 | | | | | |
| | e S | R 12:33:15.1 | | | | | | | |
| NRDL | e P | Z 12:25:00.3 | 60.3 | 218.7 | 1.7 | 94 | 5.5 | | |
| | e S | R 12:33:20.6 | | | | | | | |
| CLL | e P | Z 12:25:01.7 | 60.6 | 222.1 | 1.8 | 74 | 5.4 | | |
| | e S | R 12:33:23.0 | | | | | | | |

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| | | | | | | | | |
|------|-----|---|------------|------|-------|-----|-----|-----|
| BRG | e P | Z | 12:25:02.2 | 60.6 | 223.3 | 1.6 | 29 | 5.0 |
| | e S | R | 12:33:24.0 | | | | | |
| HLG | e S | R | 12:33:24.9 | 60.9 | 215.7 | | | |
| BSEG | e P | Z | 12:25:07.7 | 61.5 | 218.4 | 1.3 | 56 | 5.2 |
| RUE | e P | Z | 12:25:10.0 | 61.7 | 222.5 | 1.5 | 111 | 5.9 |
| | e S | R | 12:33:38.3 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/24 | 14:38:34.9 | 19.646S | 170.148E | 34.6 | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| BRG | e PKPbc | Z | 14:58:02.4 | 143.6 | 39.8 | | | | | |
| | e pPKPbc | Z | 14:58:12.3 | | | | | | | |
| CLL | e PKPbc | Z | 14:58:02.1 | 143.6 | 38.1 | | | | | |
| | e pPKPbc | Z | 14:58:12.4 | | | | | | | |
| NRDL | e PKPbc | Z | 14:58:02.9 | 143.7 | 32.9 | | | | | |
| | e pPKPbc | Z | 14:58:13.0 | | | | | | | |
| CLZ | e PKPbc | Z | 14:58:04.6 | 144.1 | 33.8 | | | | | |
| | e pPKPbc | Z | 14:58:14.6 | | | | | | | |
| TANN | e PKPbc | Z | 14:58:05.5 | 144.5 | 38.0 | | | | | |
| | e pPKPbc | Z | 14:58:16.1 | | | | | | | |
| IBBN | e PKPbc | Z | 14:58:06.2 | 144.6 | 29.4 | | | | | |
| | e pPKPbc | Z | 14:58:16.5 | | | | | | | |
| MOX | e PKPbc | Z | 14:58:06.0 | 144.7 | 36.6 | | | | | |
| | e pPKPbc | Z | 14:58:16.4 | | | | | | | |
| UBBA | e PKPbc | Z | 14:58:07.4 | 145.1 | 34.0 | | | | | |
| | e pPKPbc | Z | 14:58:18.0 | | | | | | | |
| ROTZ | e PKPbc | Z | 14:58:07.9 | 145.1 | 38.2 | | | | | |
| | e pPKPbc | Z | 14:58:18.2 | | | | | | | |
| GEC2 | e PKPbc | Z | 14:58:07.9 | 145.2 | 41.3 | | | | | |
| | e pPKPbc | Z | 14:58:18.2 | | | | | | | |
| WET | e PKPbc | Z | 14:58:08.2 | 145.3 | 39.8 | | | | | |
| | e pPKPbc | Z | 14:58:18.5 | | | | | | | |
| BUG | e PKPbc | Z | 14:58:08.6 | 145.5 | 29.3 | | | | | |
| | e pPKPbc | Z | 14:58:19.2 | | | | | | | |
| GRA1 | e PKPbc | Z | 14:58:09.0 | 145.6 | 36.8 | | | | | |
| | e pPKPbc | Z | 14:58:19.5 | | | | | | | |
| TNS | e PKPbc | Z | 14:58:10.9 | 146.1 | 32.1 | | | | | |
| | e pPKPbc | Z | 14:58:21.4 | | | | | | | |
| RJOB | e PKPbc | Z | 14:58:11.5 | 146.4 | 41.0 | | | | | |
| FUR | e PKPbc | Z | 14:58:12.4 | 146.8 | 38.3 | | | | | |
| | e pPKPbc | Z | 14:58:23.0 | | | | | | | |
| STU | e PKPbc | Z | 14:58:13.9 | 147.1 | 34.5 | | | | | |
| | e pPKPbc | Z | 14:58:24.2 | | | | | | | |
| WLF | e PKPbc | Z | 14:58:14.9 | 147.4 | 28.8 | | | | | |
| | e pPKPbc | Z | 14:58:25.3 | | | | | | | |

BFO e PKPbc Z 14:58:15.3 147.8 33.4
 e pPKPbc Z 14:58:25.8

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/24 | 18:26:30.1 | 17.850S | 13.350W | 22.4 | 4.9 | | | SZGRF |

Southern Mid-Atlantic Ridge

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| BFO | e P | Z 18:37:30.6 | 69.0 | 202.1 | 1.2 | 11 | 5.0 | | |
| STU | e P | Z 18:37:34.6 | 69.6 | 202.9 | 0.7 | 16 | 5.3 | | |
| WLF | e P | Z 18:37:35.5 | 69.7 | 199.8 | 1.1 | 18 | 5.2 | | |
| | e pP | Z 18:37:41.7 | | | | | | | |
| TNS | e P | Z 18:37:42.2 | 70.7 | 202.0 | 1.0 | 11 | 4.9 | | |
| GEC2 | e P | Z 18:37:42.8 | 70.9 | 207.3 | 1.4 | 5 | 4.4 | | |
| | e pP | Z 18:37:49.5 | | | | | | | |
| WET | e P | Z 18:37:43.3 | 70.9 | 206.4 | 1.3 | 8 | 4.7 | | |
| | e pP | Z 18:37:49.7 | | | | | | | |
| GRA1 | e P | Z 18:37:43.0 | 71.0 | 204.8 | 1.6 | 22 | 5.0 | | |
| ROTZ | e P | Z 18:37:45.6 | 71.3 | 205.7 | 1.2 | 11 | 4.9 | | |
| | e pP | Z 18:37:51.8 | | | | | | | |
| MOX | e P | Z 18:37:49.0 | 71.9 | 205.0 | 1.2 | 9 | 4.8 | | |
| TANN | e P | Z 18:37:49.2 | 72.0 | 205.8 | 1.1 | 6 | 4.7 | | |
| CLZ | e P | Z 18:37:53.7 | 72.7 | 203.6 | 1.5 | 11 | 4.8 | | |
| NRDL | e P | Z 18:37:57.9 | 73.2 | 203.3 | 1.0 | 12 | 5.0 | | |
| BSEG | e P | Z 18:38:04.3 | 74.6 | 203.3 | 0.9 | 13 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/25 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|----|----|----|
| FUR | e PKP | Z 02:04:55.4 | | | | | | | |
| GEC2 | e PKP | Z 02:04:49.5 | | | | | | | |
| GRA1 | e PKP | Z 02:04:51.1 | | | | | | | |
| GUNZ | e PKP | Z 02:04:48.0 | | | | | | | |
| MOX | e PKP | Z 02:04:47.4 | | | | | | | |
| NEUB | e PKP | Z 02:04:46.4 | | | | | | | |
| NKC | e PKP | Z 02:04:48.1 | | | | | | | |
| PST | e PKP | Z 02:04:46.4 | | | | | | | |
| ROTZ | e PKP | Z 02:04:49.8 | | | | | | | |
| TANN | e PKP | Z 02:04:47.5 | | | | | | | |
| UBBA | e PKP | Z 02:04:49.0 | | | | | | | |
| WERD | e PKP | Z 02:04:47.5 | | | | | | | |
| WERN | e PKP | Z 02:04:48.3 | | | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|--------|---------|-------|-----|-----|----|--------|
| 2008/04/25 | 02:43:12.6 | 0.010S | 12.630W | 33.0N | 4.9 | 4.0 | | SZGRF |

North of Ascension Island

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|-----|----|
| BFO | e P | Z | 02:52:14.6 | 51.6 | 207.1 | 1.3 | 21 | 4.9 | | |
| WLF | e P | Z | 02:52:19.1 | 52.2 | 204.0 | 1.1 | 19 | 4.9 | | |
| FUR | e P | Z | 02:52:20.9 | 52.4 | 210.7 | 0.9 | 30 | 5.2 | | |
| RJOB | e P | Z | 02:52:22.0 | 52.6 | 212.7 | 0.8 | 9 | 4.8 | | |
| TNS | e P | Z | 02:52:28.0 | 53.4 | 206.6 | 1.0 | 15 | 4.9 | | |
| GRA1 | e P | Z | 02:52:31.0 | 53.7 | 210.1 | 2.0 | 52 | 5.2 | | |
| | e L | Z | 03:14:57.3 | | | 20.2 | 128 | | 4.0 | |
| WET | e P | Z | 02:52:31.2 | 53.8 | 212.2 | 1.0 | 13 | 4.9 | | |
| GEC2 | e P | Z | 02:52:31.9 | 53.9 | 213.3 | 1.2 | 25 | 5.1 | | |
| ROTZ | e P | Z | 02:52:33.6 | 54.1 | 211.2 | 1.8 | 17 | 4.8 | | |
| BUG | e P | Z | 02:52:34.2 | 54.1 | 204.8 | 1.5 | 32 | 5.1 | | |
| UBBA | e P | Z | 02:52:35.5 | 54.3 | 208.3 | 1.5 | 17 | 4.8 | | |
| MOX | e P | Z | 02:52:37.7 | 54.7 | 210.2 | 1.2 | 13 | 4.8 | | |
| TANN | e P | Z | 02:52:37.7 | 54.8 | 211.3 | 1.2 | 13 | 4.9 | | |
| CLZ | e P | Z | 02:52:42.4 | 55.3 | 208.4 | 1.4 | 17 | 4.9 | | |
| BRG | e P | Z | 02:52:45.0 | 55.7 | 212.8 | 1.1 | 7 | 4.6 | | |
| CLL | e P | Z | 02:52:45.0 | 55.7 | 211.6 | 1.6 | 20 | 4.9 | | |
| NRDL | e P | Z | 02:52:44.9 | 55.8 | 207.8 | 1.0 | 6 | 4.6 | | |
| BSEG | e P | Z | 02:52:55.2 | 57.2 | 207.6 | 0.9 | 18 | 5.1 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/25 | 04:48:54.7 | 37.800N | 29.200E | 5.0 | 4.3 | 3.9 | | KAN-M |

Turkey

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|-----|----|
| RJOB | e P | Z | 04:52:42.6 | 15.6 | 123.7 | 1.5 | 14 | 3.9 | | |
| GEC2 | e P | Z | 04:52:44.7 | 15.7 | 128.8 | 1.5 | 49 | 4.4 | | |
| WET | e P | Z | 04:52:50.9 | 16.3 | 127.9 | 1.5 | 48 | 4.4 | | |
| FUR | e P | Z | 04:52:54.8 | 16.6 | 121.9 | 0.6 | 19 | 4.4 | | |
| BRG | e P | Z | 04:52:58.0 | 17.0 | 134.5 | 1.8 | 72 | 4.5 | | |
| ROTZ | e P | Z | 04:52:59.3 | 17.1 | 128.1 | 1.1 | 14 | 4.0 | | |
| NKC | e P | Z | 04:53:01.4 | 17.2 | 129.8 | | | | | |
| WERN | e P | Z | 04:53:01.9 | 17.3 | 129.8 | 2.8 | 62 | 4.2 | | |
| TANN | e P | Z | 04:53:01.6 | 17.3 | 130.2 | 1.4 | 28 | 4.2 | | |
| GUNZ | e P | Z | 04:53:02.8 | 17.4 | 129.8 | 1.7 | 36 | 4.2 | | |
| WERD | e P | Z | 04:53:04.1 | 17.4 | 130.0 | 1.8 | 34 | 4.2 | | |
| GRA1 | e P | Z | 04:53:05.1 | 17.5 | 125.9 | 1.1 | 11 | 3.9 | | |
| | e L | Z | 04:59:45.4 | | | 18.7 | 602 | | 3.9 | |
| CLL | e P | Z | 04:53:06.1 | 17.7 | 133.5 | 1.5 | 30 | 4.2 | | |
| PST | e P | Z | 04:53:06.8 | 17.7 | 130.9 | | | | | |
| MOX | e P | Z | 04:53:08.9 | 17.9 | 129.1 | 2.6 | 169 | 4.7 | | |

| | | | | | | | | |
|------|-----|---|------------|------|-------|-----|----|-----|
| BFO | e P | Z | 04:53:14.6 | 18.4 | 117.1 | 1.2 | 31 | 4.4 |
| UBBA | e P | Z | 04:53:18.3 | 18.8 | 126.3 | 1.4 | 14 | 4.0 |
| CLZ | e P | Z | 04:53:23.1 | 19.3 | 129.4 | 1.3 | 26 | 4.3 |
| TNS | e P | Z | 04:53:23.4 | 19.3 | 122.1 | 1.5 | 70 | 4.7 |
| NRDL | e P | Z | 04:53:28.9 | 19.8 | 130.3 | 1.4 | 51 | 4.6 |
| WLF | e P | Z | 04:53:33.5 | 20.3 | 117.0 | 0.8 | 15 | 4.3 |
| BUG | e P | Z | 04:53:37.3 | 20.6 | 122.9 | 0.9 | 28 | 4.6 |
| BSEG | e P | Z | 04:53:37.6 | 20.7 | 133.6 | 1.3 | 48 | 4.7 |
| IBBN | e P | Z | 04:53:40.3 | 20.8 | 125.7 | 1.5 | 93 | 4.9 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/25 | 09:27:20.3 | 24.112S | 179.845W | 33.0G | | | | SZGRF |
| South of Fiji Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 09:46:03.6 | 149.2 | 18.3 | | | | | |
| | e PKPab | Z | 09:46:09.9 | | | | | | | |
| NRDL | e PKPbc | Z | 09:46:06.7 | 150.6 | 18.8 | | | | | |
| | e PKPab | Z | 09:46:15.3 | | | | | | | |
| CLL | e PKPbc | Z | 09:46:07.4 | 151.1 | 24.8 | | | | | |
| | e PKPab | Z | 09:46:17.3 | | | | | | | |
| CLZ | e PKPbc | Z | 09:46:08.1 | 151.2 | 19.6 | | | | | |
| | e PKPab | Z | 09:46:18.2 | | | | | | | |
| BRG | e PKPbc | Z | 09:46:08.1 | 151.2 | 26.8 | | | | | |
| | e PKPab | Z | 09:46:18.4 | | | | | | | |
| IBBN | e PKPbc | Z | 09:46:08.1 | 151.2 | 14.5 | | | | | |
| | e PKPab | Z | 09:46:18.1 | | | | | | | |
| TANN | e PKPbc | Z | 09:46:09.7 | 152.0 | 24.5 | | | | | |
| | e PKPab | Z | 09:46:21.9 | | | | | | | |
| MOX | e PKPbc | Z | 09:46:09.5 | 152.0 | 22.7 | | | | | |
| | e PKPab | Z | 09:46:21.5 | | | | | | | |
| UBBA | e PKPab | Z | 09:46:22.2 | 152.2 | 19.6 | | | | | |
| ROTZ | e PKPbc | Z | 09:46:11.2 | 152.7 | 24.5 | | | | | |
| | e PKPab | Z | 09:46:25.0 | | | | | | | |
| GRA1 | e PKPab | Z | 09:46:26.2 | 153.0 | 22.7 | | | | | |
| WET | e PKPab | Z | 09:46:26.7 | 153.1 | 26.3 | | | | | |
| GEC2 | e PKPbc | Z | 09:46:11.8 | 153.1 | 28.2 | | | | | |
| | e PKPab | Z | 09:46:26.3 | | | | | | | |
| TNS | e PKPab | Z | 09:46:26.1 | 153.1 | 16.9 | | | | | |
| RJOB | e PKPab | Z | 09:46:32.4 | 154.3 | 27.5 | | | | | |
| STU | e PKPab | Z | 09:46:31.6 | 154.3 | 19.3 | | | | | |
| FUR | e PKPab | Z | 09:46:32.4 | 154.4 | 24.0 | | | | | |
| BFO | e PKPab | Z | 09:46:33.7 | 154.9 | 17.8 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------|-------------|-----|------|-------|----|----|----|--------|
|------|-------------|-----|------|-------|----|----|----|--------|

2008/04/25 09:52:44.0 35.314N 140.979E 21.9 5.0 4.3 SZGRF
Near east coast of eastern Honshu, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|-----|----|
| BSEG | e P | Z 10:04:57.1 | 81.1 | 38.8 | 1.0 | 16 | 5.0 | | |
| BRG | e P | Z 10:05:01.9 | 82.1 | 41.1 | 1.1 | 7 | 4.7 | | |
| | e pP | Z 10:05:08.3 | | | | | | | |
| CLL | e P | Z 10:05:02.2 | 82.1 | 40.5 | 0.8 | 9 | 5.0 | | |
| CLZ | e P | Z 10:05:06.1 | 82.7 | 38.6 | 1.1 | 17 | 5.2 | | |
| | e pP | Z 10:05:12.1 | | | | | | | |
| TANN | e P | Z 10:05:06.7 | 83.0 | 40.0 | | | | | |
| MOX | e P | Z 10:05:07.5 | 83.2 | 39.4 | 1.3 | 8 | 4.8 | | |
| IBBN | e P | Z 10:05:08.5 | 83.4 | 36.8 | 0.9 | 14 | 5.2 | | |
| | e pP | Z 10:05:15.4 | | | | | | | |
| ROTZ | e P | Z 10:05:10.8 | 83.6 | 39.8 | 1.5 | 23 | 5.2 | | |
| | e pP | Z 10:05:16.8 | | | | | | | |
| UBBA | e P | Z 10:05:10.5 | 83.7 | 38.3 | 1.2 | 5 | 4.7 | | |
| GEC2 | e P | Z 10:05:10.5 | 83.7 | 40.8 | 1.3 | 8 | 4.8 | | |
| WET | e P | Z 10:05:11.6 | 83.8 | 40.2 | 1.6 | 19 | 5.1 | | |
| GRA1 | e P | Z 10:05:13.4 | 84.1 | 39.1 | 1.0 | 21 | 5.3 | | |
| | e pP | Z 10:05:19.7 | | | | | | | |
| | e L | Z 10:46:28.8 | | | 21.4 | 142 | | 4.3 | |
| TNS | e P | Z 10:05:15.8 | 84.8 | 37.1 | 1.6 | 33 | 5.3 | | |
| RJOB | e P | Z 10:05:17.1 | 84.9 | 40.1 | 1.2 | 11 | 4.9 | | |
| STU | e P | Z 10:05:21.0 | 85.6 | 37.6 | 0.8 | 15 | 5.2 | | |
| WLF | e P | Z 10:05:23.9 | 86.1 | 35.5 | 1.1 | 11 | 4.9 | | |
| BFO | e P | Z 10:05:23.3 | 86.3 | 37.0 | 1.1 | 15 | 5.1 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/25 18:03:48.7 52.246N 163.966W 30.9 4.7 4.3 SZGRF
South of Alaska

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| BSEG | e P | Z 18:15:19.6 | 73.7 | 356.4 | 0.6 | 6 | 4.8 | | |
| | e pP | Z 18:15:28.8 | | | | | | | |
| NRDL | e P | Z 18:15:27.3 | 75.1 | 356.2 | 1.0 | 7 | 4.7 | | |
| | e pP | Z 18:15:36.4 | | | | | | | |
| CLZ | e P | Z 18:15:32.0 | 75.8 | 356.4 | 1.0 | 7 | 4.8 | | |
| | e pP | Z 18:15:40.4 | | | | | | | |
| CLL | e P | Z 18:15:34.9 | 76.4 | 358.1 | 0.8 | 5 | 4.6 | | |
| BRG | e P | Z 18:15:37.7 | 76.9 | 358.7 | 1.0 | 4 | 4.5 | | |
| MOX | e P | Z 18:15:38.8 | 77.0 | 357.2 | 1.0 | 8 | 4.8 | | |
| ROTZ | e P | Z 18:15:43.6 | 77.9 | 357.6 | 1.2 | 5 | 4.6 | | |
| GRA1 | e P | Z 18:15:44.4 | 78.0 | 357.0 | 1.1 | 16 | 5.1 | | |
| | e pP | Z 18:15:53.5 | | | | | | | |
| | e L | Z 18:33:17.3 | | | 21.5 | 138 | | 4.3 | |
| WET | e P | Z 18:15:47.5 | 78.6 | 358.0 | 1.1 | 5 | 4.5 | | |

| | | | | | | | | | | |
|------|------|---|------------|------|-------|-----|---|-----|--|--|
| | e pP | Z | 18:15:56.0 | | | | | | | |
| STU | e pP | Z | 18:15:56.9 | 78.8 | 355.7 | | | | | |
| GEC2 | e P | Z | 18:15:49.0 | 78.9 | 358.5 | 1.0 | 4 | 4.4 | | |
| BFO | e P | Z | 18:15:49.7 | 79.2 | 355.2 | 0.9 | 4 | 4.4 | | |
| RJOB | e P | Z | 18:15:54.9 | 80.0 | 358.0 | 0.8 | 9 | 4.7 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/25 18:22:59.6 16.270S 174.320W 320.6
 Tonga Islands SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|----|----|
| IBBN | e PKPbc | Z 18:41:54.7 | 143.9 | 3.4 | | | | | |
| CLZ | e PKPbc | Z 18:41:55.4 | 144.2 | 7.7 | | | | | |
| CLL | e PKPbc | Z 18:41:55.6 | 144.5 | 12.2 | | | | | |
| BRG | e PKPbc | Z 18:41:57.0 | 144.8 | 13.8 | | | | | |
| BUG | e PKPbc | Z 18:41:57.1 | 144.8 | 2.6 | | | | | |
| UBBA | e PKPbc | Z 18:41:59.0 | 145.3 | 7.3 | | | | | |
| MOX | e PKPbc | Z 18:41:58.8 | 145.3 | 10.0 | | | | | |
| TANN | e PKPbc | Z 18:41:59.5 | 145.4 | 11.5 | | | | | |
| TNS | e PKPbc | Z 18:42:01.4 | 146.0 | 4.8 | | | | | |
| ROTZ | e PKPbc | Z 18:42:02.0 | 146.1 | 11.3 | | | | | |
| | e pPKPbc | Z 18:43:21.2 | | | | | | | |
| GRA1 | e PKPbc | Z 18:42:02.5 | 146.3 | 9.6 | | | | | |
| | e | 18:42:11.7 | | | | | | | |
| | e pPKPbc | Z 18:43:21.0 | | | | | | | |
| WLF | e PKPbc | Z 18:42:03.8 | 146.6 | 0.8 | | | | | |
| WET | e PKPbc | Z 18:42:03.1 | 146.6 | 12.6 | | | | | |
| GEC2 | e PKPbc | Z 18:42:04.5 | 146.8 | 14.2 | | | | | |
| | e pPKPbc | Z 18:43:21.4 | | | | | | | |
| STU | e PKPbc | Z 18:42:05.1 | 147.4 | 6.3 | | | | | |
| FUR | e PKPbc | Z 18:42:06.4 | 147.8 | 10.1 | | | | | |
| BFO | e PKPbc | Z 18:42:06.7 | 147.9 | 4.8 | | | | | |
| RJOB | e PKPbc | Z 18:42:07.7 | 148.0 | 13.0 | | | | | |
| | e pPKPbc | Z 18:43:27.3 | | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/25

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKP | Z 19:03:32.3 | | | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/26 23:34:49.5 49.100S 164.200E 10.0 6.2 NEIC

Auckland Islands, New Zealand, region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|-------|------|-------|----|----|----|
| GEC2 | e PKP | Z | 23:54:48.8 | 160.8 | 102.0 | | | | | |
| | e PKPab | Z | 23:55:30.0 | | | | | | | |
| | e PP | Z | 23:59:15.5 | | | | | | | |
| BRG | e PKPab | Z | 23:55:31.1 | 160.9 | 96.3 | | | | | |
| RJOB | e PKP | Z | 23:54:50.4 | 161.1 | 104.8 | | | | | |
| | e PKPab | Z | 23:55:30.8 | | | | | | | |
| | e PP | Z | 23:59:16.7 | | | | | | | |
| RUE | e PKPab | Z | 23:55:32.1 | 161.1 | 91.6 | | | | | |
| WET | e PKPab | Z | 23:55:32.5 | 161.3 | 100.8 | | | | | |
| | e PP | Z | 23:59:18.8 | | | | | | | |
| RGN | e PKPab | Z | 23:55:34.1 | 161.3 | 85.1 | | | | | |
| CLL | e PKPab | Z | 23:55:33.4 | 161.6 | 94.5 | | | | | |
| | e PP | Z | 23:59:19.7 | | | | | | | |
| | e PKPab | Z | 23:55:34.8 | 161.8 | 96.8 | | | | | |
| TANN | e PP | Z | 23:59:21.4 | | | | | | | |
| | e PKPab | Z | 23:55:35.1 | 161.8 | 97.2 | | | | | |
| WERN | e PKP | Z | 23:54:51.5 | 161.9 | 98.7 | | | | | |
| | e PKPab | Z | 23:55:35.3 | | | | | | | |
| | e PP | Z | 23:59:22.3 | | | | | | | |
| GUNZ | e PKPab | Z | 23:55:35.2 | 161.9 | 96.9 | | | | | |
| WERD | e PKPab | Z | 23:55:35.2 | 161.9 | 96.7 | | | | | |
| FUR | e PKP | Z | 23:54:51.4 | 162.2 | 103.2 | | | | | |
| | e PKPab | Z | 23:55:35.7 | | | | | | | |
| | e PP | Z | 23:59:22.9 | | | | | | | |
| MOX | e PKPab | Z | 23:55:37.2 | 162.4 | 95.7 | | | | | |
| | e PP | Z | 23:59:24.7 | | | | | | | |
| GRA1 | e PKPab | Z | 23:55:37.9 | 162.5 | 98.4 | | | | | |
| | e PP | Z | 23:59:25.1 | | | | | | | |
| BSEG | e PKPab | Z | 23:55:41.2 | 163.2 | 84.0 | | | | | |
| | e PP | Z | 23:59:31.5 | | | | | | | |
| CLZ | e PKP | Z | 23:54:51.4 | 163.2 | 91.0 | | | | | |
| | e PKPab | Z | 23:55:41.1 | | | | | | | |
| | e PP | Z | 23:59:29.4 | | | | | | | |
| NRDL | e PKPab | Z | 23:55:42.0 | 163.4 | 88.6 | | | | | |
| UBBA | e PKPab | Z | 23:55:41.7 | 163.4 | 94.1 | | | | | |
| | e PP | Z | 23:59:29.4 | | | | | | | |
| STU | e PKPab | Z | 23:55:42.5 | 163.7 | 100.6 | | | | | |
| | e PP | Z | 23:59:30.3 | | | | | | | |
| BFO | e PKPab | Z | 23:55:44.4 | 164.1 | 101.9 | | | | | |
| | e PP | Z | 23:59:33.0 | | | | | | | |
| TNS | e PKPab | Z | 23:55:45.9 | 164.3 | 95.3 | | | | | |
| | e PP | Z | 23:59:34.8 | | | | | | | |
| IBBN | e PKPab | Z | 23:55:48.2 | 164.8 | 87.2 | | | | | |
| BUG | e PKPab | Z | 23:55:49.4 | 165.1 | 90.0 | | | | | |
| | e PP | Z | 23:59:38.8 | | | | | | | |
| WLF | e PKPab | Z | 23:55:52.1 | 165.7 | 96.1 | | | | | |

| | | | | | | | | | | |
|------|----------|---|------------|-------|-------|------|------|--|-----|--|
| | e PP | Z | 23:59:41.8 | | | | | | | |
| GEC2 | e SKKSac | R | 00:06:02.0 | 160.8 | 102.0 | | | | | |
| BRG | e SKKSac | R | 00:06:02.3 | 160.9 | 96.3 | | | | | |
| RJOB | e SKKSac | R | 00:06:01.0 | 161.1 | 104.8 | | | | | |
| WET | e SKKSac | R | 00:06:05.0 | 161.3 | 100.8 | | | | | |
| CLL | e SKKSac | R | 00:06:04.9 | 161.6 | 94.5 | | | | | |
| TANN | e SKKSac | R | 00:06:07.1 | 161.8 | 96.8 | | | | | |
| ROTZ | e SKKSac | R | 00:06:09.0 | 161.9 | 98.7 | | | | | |
| FUR | e SKKSac | R | 00:06:07.7 | 162.2 | 103.2 | | | | | |
| MOX | e SKKSac | R | 00:06:09.8 | 162.4 | 95.7 | | | | | |
| GRA1 | e SKKSac | R | 00:06:10.9 | 162.5 | 98.4 | | | | | |
| | e L | Z | 01:17:09.8 | | | 19.7 | 3163 | | 6.2 | |
| BSEG | e SKKSac | R | 00:06:14.5 | 163.2 | 84.0 | | | | | |
| CLZ | e SKKSac | R | 00:06:14.4 | 163.2 | 91.0 | | | | | |
| NRDL | e SKKSac | R | 00:06:15.5 | 163.4 | 88.6 | | | | | |
| UBBA | e SKKSac | R | 00:06:14.6 | 163.4 | 94.1 | | | | | |
| STU | e SKKSac | R | 00:06:16.2 | 163.7 | 100.6 | | | | | |
| BFO | e SKKSac | R | 00:06:18.3 | 164.1 | 101.9 | | | | | |
| TNS | e SKKSac | R | 00:06:20.9 | 164.3 | 95.3 | | | | | |
| IBBN | e SKKSac | R | 00:06:22.5 | 164.8 | 87.2 | | | | | |
| BUG | e SKKSac | R | 00:06:24.1 | 165.1 | 90.0 | | | | | |

Date 2008/04/26 Origin Time 00:56:40.6 Lat 46.243N Long 153.277E Depth 33.0N mb 4.7 Ms ML Source SZGRF
Kuril Islands, Russia

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| CLL | e P | Z 01:08:27.1 | 76.6 | 27.0 | 0.6 | 9 | 5.0 | | |
| CLZ | e P | Z 01:08:30.4 | 76.9 | 25.4 | 0.8 | 6 | 4.7 | | |
| ROTZ | e P | Z 01:08:37.0 | 78.2 | 26.4 | 1.1 | 4 | 4.3 | | |
| GRA1 | e P | Z 01:08:39.3 | 78.6 | 25.7 | 1.0 | 14 | 4.9 | | |
| WET | e P | Z 01:08:38.8 | 78.6 | 26.7 | 0.9 | 5 | 4.5 | | |

Date 2008/04/26 Origin Time 03:06:48.6 Lat 37.600N Long 73.750E Depth 33.0N mb 5.1 Ms ML Source SZGRF
Tajikistan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z 03:14:50.6 | 43.6 | 83.7 | 1.2 | 39 | 5.0 | | |
| GEC2 | e P | Z 03:14:54.1 | 44.0 | 81.4 | 1.0 | 12 | 4.6 | | |
| CLL | e P | Z 03:14:54.4 | 44.1 | 83.5 | 0.8 | 18 | 4.9 | | |
| WET | e P | Z 03:14:57.9 | 44.5 | 81.2 | 1.3 | 20 | 4.9 | | |
| TANN | e P | Z 03:14:58.6 | 44.5 | 82.2 | 1.5 | 23 | 4.9 | | |
| RJOB | e P | Z 03:14:59.8 | 44.7 | 79.7 | 0.7 | 6 | 4.6 | | |
| ROTZ | e P | Z 03:15:01.2 | 44.8 | 81.4 | 1.1 | 18 | 4.9 | | |

| | | | | | | | | |
|------|-----|---|------------|------|------|-----|----|-----|
| MOX | e P | Z | 03:15:02.5 | 45.0 | 81.8 | 0.9 | 14 | 4.9 |
| BSEG | e P | Z | 03:15:05.8 | 45.4 | 84.1 | 0.8 | 19 | 5.2 |
| GRA1 | e P | Z | 03:15:06.4 | 45.4 | 80.6 | 1.1 | 42 | 5.4 |
| CLZ | e P | Z | 03:15:07.4 | 45.6 | 82.1 | 1.6 | 39 | 5.2 |
| FUR | e P | Z | 03:15:07.8 | 45.7 | 79.2 | 0.9 | 40 | 5.4 |
| NRDL | e P | Z | 03:15:08.1 | 45.7 | 82.6 | 1.4 | 48 | 5.3 |
| UBBA | e P | Z | 03:15:10.1 | 46.0 | 80.9 | 0.8 | 8 | 4.8 |
| STU | e P | Z | 03:15:17.3 | 46.9 | 78.5 | 0.8 | 15 | 5.1 |
| TNS | e P | Z | 03:15:18.6 | 47.1 | 79.3 | 0.8 | 11 | 5.0 |
| IBBN | e P | Z | 03:15:19.3 | 47.2 | 80.7 | 1.6 | 59 | 5.5 |
| BFO | e P | Z | 03:15:21.9 | 47.6 | 77.5 | 1.0 | 12 | 5.0 |
| BUG | e P | Z | 03:15:22.8 | 47.6 | 79.6 | 1.2 | 30 | 5.3 |
| WLF | e P | Z | 03:15:31.3 | 48.7 | 77.3 | 1.0 | 22 | 5.2 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-------------------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/26 | 04:05:43.0 | 62.996N | 152.329W | 33.0N | 4.7 | | | SZGRF |
| Central Alaska, United States | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z 04:16:30.2 | 66.6 | 351.9 | 1.5 | 8 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/26 | 05:44:17.5 | 46.270N | 153.222E | 33.0N | 4.4 | | | SZGRF |
| Kuril Islands, Russia | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 05:56:16.0 | 78.5 | 25.7 | 0.9 | 4 | 4.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------------------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/26 | 06:40: 5.5 | 37.749N | 121.735W | 33.0N | 4.9 | 5.0 | | SZGRF |
| Central California, United States | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| GRA1 | e P | Z 06:52:28.8 | 83.2 | 324.4 | 1.4 | 10 | 4.9 | | |
| | e L | Z 07:30:23.0 | | | 18.2 | 650 | | 5.0 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|--------------------------------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/26 | 09:42:16.2 | 37.660N | 71.170E | 112.1 | 4.7 | | | SZGRF |
| Afghanistan-Tajikistan border region | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|-------|------|------|-----|------|-------|----|----|----|
|-----|-------|------|------|-----|------|-------|----|----|----|

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| | | | | | | | | |
|------|------|---|------------|------|------|-----|-----|-----|
| BRG | e P | Z | 09:49:56.5 | 41.9 | 85.4 | 0.9 | 10 | 4.6 |
| | e pP | Z | 09:50:22.1 | | | | | |
| GEC2 | e P | Z | 09:49:59.4 | 42.3 | 83.0 | 3.8 | 114 | 5.0 |
| CLL | e P | Z | 09:50:00.6 | 42.4 | 85.2 | 0.8 | 6 | 4.4 |
| WET | e P | Z | 09:50:02.9 | 42.8 | 82.8 | 1.7 | 12 | 4.4 |
| TANN | e P | Z | 09:50:04.5 | 42.9 | 83.9 | 1.5 | 9 | 4.3 |
| | e pP | Z | 09:50:30.4 | | | | | |
| WERD | e P | Z | 09:50:05.5 | 43.0 | 83.8 | 1.2 | 7 | 4.2 |
| | e pP | Z | 09:50:31.1 | | | | | |
| ROTZ | e P | Z | 09:50:07.0 | 43.1 | 83.0 | 1.3 | 10 | 4.4 |
| MOX | e P | Z | 09:50:08.4 | 43.4 | 83.5 | 2.3 | 34 | 4.7 |
| GRA1 | e P | Z | 09:50:12.6 | 43.7 | 82.3 | 1.8 | 48 | 4.9 |
| BSEG | e P | Z | 09:50:12.8 | 43.9 | 86.0 | 1.0 | 13 | 4.6 |
| | e pP | Z | 09:50:39.4 | | | | | |
| CLZ | e P | Z | 09:50:13.7 | 44.0 | 83.9 | 1.6 | 21 | 4.6 |
| NRDL | e P | Z | 09:50:14.8 | 44.1 | 84.4 | 2.5 | 81 | 5.0 |
| UBBA | e P | Z | 09:50:16.5 | 44.4 | 82.6 | 0.2 | 8 | 5.2 |
| STU | e P | Z | 09:50:23.3 | 45.2 | 80.0 | 0.5 | 11 | 5.0 |
| TNS | e P | Z | 09:50:24.8 | 45.4 | 80.9 | 1.1 | 11 | 4.8 |
| IBBN | e P | Z | 09:50:26.2 | 45.6 | 82.5 | 1.0 | 16 | 5.0 |
| BUG | e P | Z | 09:50:29.2 | 46.0 | 81.3 | 1.0 | 13 | 4.9 |
| WLF | e P | Z | 09:50:37.3 | 47.0 | 78.9 | 0.8 | 12 | 5.0 |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/26 11:43:28.0 19.480S 177.890W 33.0N
 Fiji Islands region SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 12:03:00.4 | 145.0 | 13.6 | | | | | |
| NRDL | e PKPbc | Z | 12:03:05.1 | 146.4 | 13.7 | | | | | |
| IBBN | e PKPbc | Z | 12:03:06.9 | 146.9 | 9.8 | | | | | |
| CLZ | e PKPbc | Z | 12:03:06.9 | 147.0 | 14.4 | | | | | |
| CLL | e PKPbc | Z | 12:03:06.8 | 147.0 | 19.1 | | | | | |
| BRG | e PKPbc | Z | 12:03:07.8 | 147.2 | 20.9 | | | | | |
| TANN | e PKPbc | Z | 12:03:09.7 | 148.0 | 18.6 | | | | | |
| ROTZ | e PKPbc | Z | 12:03:11.8 | 148.7 | 18.5 | | | | | |
| TNS | e PKPbc | Z | 12:03:12.4 | 148.8 | 11.6 | | | | | |
| | e PKPab | Z | 12:03:15.8 | | | | | | | |
| GRA1 | e PKPbc | Z | 12:03:12.2 | 148.9 | 16.8 | | | | | |
| WET | e PKPab | Z | 12:03:17.2 | 149.1 | 20.1 | | | | | |
| GEC2 | e PKPbc | Z | 12:03:12.7 | 149.2 | 21.7 | | | | | |
| | e PKPab | Z | 12:03:17.7 | | | | | | | |
| WLF | e PKPbc | Z | 12:03:14.6 | 149.6 | 7.6 | | | | | |
| STU | e PKPab | Z | 12:03:21.0 | 150.2 | 13.5 | | | | | |
| FUR | e PKPbc | Z | 12:03:16.2 | 150.4 | 17.7 | | | | | |
| RJOB | e PKPbc | Z | 12:03:16.2 | 150.4 | 20.8 | | | | | |
| | e PKPab | Z | 12:03:23.2 | | | | | | | |

| | | | | | |
|-----|---------|---|------------|-------|------|
| BFO | e PKPbc | Z | 12:03:16.5 | 150.7 | 12.1 |
| | e PKPab | Z | 12:03:23.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/26 | 12:39: 6.3 | 14.255N | 50.990E | 33.0N | 5.0 | 4.2 | | SZGRF |
| Eastern Arabian Peninsula | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| GEC2 | e P | Z 12:47:28.3 | 46.1 | 125.5 | 1.4 | 15 | 4.8 | | |
| BRG | e P | Z 12:47:36.7 | 47.2 | 127.3 | 1.9 | 36 | 5.2 | | |
| ROTZ | e P | Z 12:47:38.3 | 47.5 | 124.5 | 1.1 | 9 | 4.8 | | |
| TANN | e P | Z 12:47:40.6 | 47.7 | 125.3 | 1.7 | 26 | 5.1 | | |
| CLL | e P | Z 12:47:42.4 | 48.0 | 126.6 | 1.9 | 27 | 5.1 | | |
| GRA1 | e P | Z 12:47:42.0 | 48.0 | 123.4 | 1.4 | 31 | 5.3 | | |
| | e L | Z 13:13:00.7 | | | 21.2 | 259 | | 4.2 | |
| MOX | e P | Z 12:47:44.8 | 48.3 | 124.5 | 1.3 | 17 | 5.0 | | |
| BFO | e P | Z 12:47:49.8 | 48.9 | 119.3 | 1.2 | 28 | 5.2 | | |
| CLZ | e P | Z 12:47:55.2 | 49.6 | 124.0 | 1.4 | 24 | 4.9 | | |
| TNS | e P | Z 12:47:55.9 | 49.8 | 120.8 | 1.3 | 24 | 5.0 | | |
| WLF | e P | Z 12:48:04.2 | 50.8 | 118.1 | 1.2 | 30 | 5.1 | | |
| IBBN | e P | Z 12:48:07.6 | 51.2 | 121.6 | 2.0 | 42 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|--------------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/26 | 13:14:52.5 | 51.030N | 52.360E | 33.0N | 5.1 | 4.9 | | SZGRF |
| Western Kazakhstan | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z 13:20:05.0 | 23.9 | 74.5 | 1.4 | 91 | 5.1 | | |
| | e S | R 13:24:28.8 | | | | | | | |
| CLL | e P | Z 13:20:08.2 | 24.4 | 75.1 | 0.9 | 56 | 5.3 | | |
| | e S | R 13:24:36.1 | | | | | | | |
| GEC2 | e P | Z 13:20:12.5 | 24.7 | 70.1 | 1.5 | 40 | 4.9 | | |
| TANN | e P | Z 13:20:13.4 | 25.0 | 73.0 | 1.2 | 117 | 5.5 | | |
| | e S | R 13:24:50.5 | | | | | | | |
| WET | e P | Z 13:20:16.1 | 25.1 | 70.5 | 1.1 | 30 | 4.9 | | |
| | e S | R 13:24:52.9 | | | | | | | |
| ROTZ | e P | Z 13:20:18.4 | 25.3 | 71.6 | 1.2 | 34 | 4.8 | | |
| | e S | R 13:24:56.2 | | | | | | | |
| BSEG | e P | Z 13:20:19.8 | 25.4 | 79.2 | 1.3 | 70 | 5.1 | | |
| MOX | e P | Z 13:20:19.1 | 25.4 | 73.1 | 1.5 | 59 | 5.0 | | |
| RJOB | e P | Z 13:20:21.3 | 25.7 | 67.7 | 0.8 | 20 | 4.8 | | |
| | e S | R 13:25:01.6 | | | | | | | |
| NRDL | e P | Z 13:20:23.3 | 25.8 | 76.2 | 1.7 | 70 | 5.0 | | |
| CLZ | e P | Z 13:20:23.4 | 25.8 | 75.0 | 1.1 | 39 | 4.9 | | |
| GRA1 | e P | Z 13:20:25.2 | 25.9 | 71.1 | 1.6 | 272 | 5.6 | | |

| | | | | | | | | | | |
|------|-----|---|------------|------|------|-----|------|------|-----|-----|
| | e L | Z | 13:30:57.2 | | | | 18.9 | 3530 | | 4.9 |
| UBBA | e P | Z | 13:20:27.2 | 26.3 | 72.8 | 1.3 | | 28 | 4.8 | |
| FUR | e P | Z | 13:20:29.0 | 26.4 | 68.2 | 1.5 | | 96 | 5.3 | |
| IBBN | e P | Z | 13:20:35.1 | 27.3 | 74.7 | 1.5 | | 50 | 5.1 | |
| TNS | e P | Z | 13:20:37.0 | 27.5 | 71.1 | 1.5 | | 47 | 5.1 | |
| STU | e P | Z | 13:20:38.2 | 27.5 | 68.7 | 1.5 | | 79 | 5.3 | |
| BUG | e P | Z | 13:20:40.8 | 27.8 | 72.9 | 1.2 | | 44 | 5.2 | |
| BFO | e P | Z | 13:20:43.6 | 28.2 | 67.7 | 1.8 | | 36 | 4.9 | |
| WLF | e P | Z | 13:20:51.6 | 29.0 | 69.3 | 1.6 | | 39 | 5.0 | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/26 18:09:49.8 19.094S 176.733W 33.0N
 Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 18:29:21.7 | 144.7 | 11.6 | | | | | |
| NRDL | e PKPbc | Z | 18:29:26.1 | 146.2 | 11.7 | | | | | |
| CLZ | e PKPbc | Z | 18:29:27.9 | 146.8 | 12.3 | | | | | |
| CLL | e PKPbc | Z | 18:29:27.8 | 146.9 | 17.0 | | | | | |
| MOX | e PKPbc | Z | 18:29:30.4 | 147.8 | 14.9 | | | | | |
| ROTZ | e PKPbc | Z | 18:29:32.8 | 148.5 | 16.3 | | | | | |
| GRA1 | e PKPbc | Z | 18:29:33.5 | 148.7 | 14.6 | | | | | |
| GEC2 | e PKPbc | Z | 18:29:33.5 | 149.1 | 19.5 | | | | | |
| WLF | e PKPbc | Z | 18:29:34.7 | 149.3 | 5.4 | | | | | |
| RJOB | e PKPbc | Z | 18:29:36.8 | 150.3 | 18.4 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/26 22:31:23.1 16.810S 174.940W 129.5
 Tonga Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| CLL | e PKPbc | Z | 22:50:42.9 | 144.9 | 13.3 | | | | | |
| BRG | e PKPbc | Z | 22:50:44.0 | 145.2 | 15.0 | | | | | |
| BUG | e PKPbc | Z | 22:50:44.3 | 145.3 | 3.7 | | | | | |
| MOX | e PKPbc | Z | 22:50:45.6 | 145.8 | 11.2 | | | | | |
| UBBA | e PKPbc | Z | 22:50:45.7 | 145.8 | 8.4 | | | | | |
| WERD | e PKPbc | Z | 22:50:46.5 | 145.9 | 12.4 | | | | | |
| TANN | e PKPbc | Z | 22:50:46.6 | 145.9 | 12.7 | | | | | |
| | e pPKPbc | Z | 22:51:20.7 | | | | | | | |
| GUNZ | e PKPbc | Z | 22:50:46.9 | 145.9 | 12.5 | | | | | |
| | e pPKPbc | Z | 22:51:21.0 | | | | | | | |
| WERN | e PKPbc | Z | 22:50:47.3 | 146.0 | 12.6 | | | | | |
| | e pPKPbc | Z | 22:51:21.1 | | | | | | | |
| TNS | e PKPbc | Z | 22:50:48.5 | 146.5 | 5.9 | | | | | |
| | e pPKPbc | Z | 22:51:22.6 | | | | | | | |

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| | | | | | | |
|------|---|--------|---|------------|-------|------|
| ROTZ | e | PKPbc | Z | 22:50:48.6 | 146.5 | 12.5 |
| | e | pPKPbc | Z | 22:51:23.2 | | |
| GRA1 | e | PKPbc | Z | 22:50:49.2 | 146.7 | 10.8 |
| | e | pPKPbc | Z | 22:51:23.7 | | |
| WET | e | PKPbc | Z | 22:50:50.0 | 147.0 | 13.9 |
| | e | pPKPbc | Z | 22:51:24.5 | | |
| WLF | e | PKPbc | Z | 22:50:50.3 | 147.1 | 1.9 |
| | e | pPKPbc | Z | 22:51:24.9 | | |
| GEC2 | e | PKPbc | Z | 22:50:51.0 | 147.2 | 15.4 |
| | e | pPKPbc | Z | 22:51:25.0 | | |
| STU | e | PKPbc | Z | 22:50:52.5 | 147.9 | 7.5 |
| FUR | e | PKPbc | Z | 22:50:53.5 | 148.2 | 11.4 |
| | e | pPKPbc | Z | 22:51:27.8 | | |
| BFO | e | PKPbc | Z | 22:50:53.7 | 148.4 | 6.0 |
| | e | pPKPbc | Z | 22:51:27.6 | | |
| RJOB | e | PKPbc | Z | 22:50:54.4 | 148.4 | 14.2 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------------|-------------|--------|----------|-------|-----|----|----|--------|
| 2008/04/27 | 01:16:3.5 | 4.434S | 102.893E | 35.0 | 5.3 | | | SZGRF |
| Southern Sumatera, Indonesia | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| BRG | e P | Z 01:29:12.3 | 92.8 | 93.6 | 1.5 | 27 | 5.4 | | |
| GEC2 | e P | Z 01:29:12.5 | 92.8 | 93.5 | 1.5 | 40 | 5.5 | | |
| RJOB | e P | Z 01:29:14.2 | 93.3 | 92.9 | 2.6 | 59 | 5.5 | | |
| WET | e P | Z 01:29:14.9 | 93.4 | 92.9 | 1.2 | 19 | 5.3 | | |
| CLL | e P | Z 01:29:14.6 | 93.4 | 92.9 | 1.1 | 8 | 5.0 | | |
| TANN | e P | Z 01:29:16.4 | 93.7 | 92.5 | 1.5 | 18 | 5.2 | | |
| ROTZ | e P | Z 01:29:17.5 | 93.8 | 92.3 | 1.2 | 14 | 5.1 | | |
| MOX | e P | Z 01:29:18.8 | 94.2 | 91.8 | 1.5 | 20 | 5.2 | | |
| FUR | e P | Z 01:29:19.4 | 94.4 | 91.8 | 1.1 | 11 | 5.1 | | |
| GRA1 | e P | Z 01:29:20.3 | 94.5 | 91.6 | 1.9 | 54 | 5.7 | | |
| CLZ | e P | Z 01:29:22.5 | 95.0 | 90.8 | 2.7 | 61 | 5.6 | | |
| BSEG | e P | Z 01:29:22.8 | 95.1 | 90.5 | 1.2 | 14 | 5.3 | | |
| NRDL | e P | Z 01:29:23.1 | 95.2 | 90.5 | 1.1 | 10 | 5.1 | | |
| STU | e P | Z 01:29:25.6 | 95.8 | 90.1 | 1.7 | 18 | 5.1 | | |
| TNS | e P | Z 01:29:28.4 | 96.2 | 89.4 | 0.9 | 15 | 5.3 | | |
| BFO | e P | Z 01:29:28.0 | 96.3 | 89.5 | 1.2 | 6 | | | |
| IBBN | e P | Z 01:29:29.5 | 96.6 | 88.7 | 2.0 | 35 | 5.4 | | |
| BUG | e P | Z 01:29:31.6 | 97.0 | 88.4 | 1.1 | 7 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/27 | 01:15:15.5 | 21.435S | 176.135W | 33.0G | | | | SZGRF |
| Fiji Islands region | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z | 01:34:54.2 | 147.1 | 11.1 | | | | | |
| NRDL | e PKPbc | Z | 01:34:58.0 | 148.6 | 11.2 | | | | | |
| | e PKPab | Z | 01:35:02.4 | | | | | | | |
| IBBN | e PKPbc | Z | 01:34:59.3 | 149.0 | 7.0 | | | | | |
| CLZ | e PKPbc | Z | 01:34:59.9 | 149.2 | 11.9 | | | | | |
| CLL | e PKPbc | Z | 01:34:59.7 | 149.3 | 16.8 | | | | | |
| | e PKPab | Z | 01:35:04.2 | | | | | | | |
| BRG | e PKPbc | Z | 01:35:00.4 | 149.5 | 18.7 | | | | | |
| BUG | e PKPbc | Z | 01:35:01.3 | 149.9 | 6.3 | | | | | |
| MOX | e PKPbc | Z | 01:35:02.0 | 150.2 | 14.6 | | | | | |
| UBBA | e PKPbc | Z | 01:35:02.4 | 150.2 | 11.6 | | | | | |
| TANN | e PKPbc | Z | 01:35:02.3 | 150.2 | 16.3 | | | | | |
| ROTZ | e PKPbc | Z | 01:35:04.0 | 150.9 | 16.1 | | | | | |
| TNS | e PKPbc | Z | 01:35:04.0 | 151.0 | 8.8 | | | | | |
| GRA1 | e PKPbc | Z | 01:35:05.4 | 151.1 | 14.3 | | | | | |
| WET | e PKPbc | Z | 01:35:05.3 | 151.4 | 17.7 | | | | | |
| | e PKPab | Z | 01:35:14.1 | | | | | | | |
| GEC2 | e PKPbc | Z | 01:35:05.0 | 151.5 | 19.5 | | | | | |
| WLF | e PKPbc | Z | 01:35:06.4 | 151.7 | 4.5 | | | | | |
| | e PKPab | Z | 01:35:15.5 | | | | | | | |
| STU | e PKPbc | Z | 01:35:07.1 | 152.3 | 10.7 | | | | | |
| FUR | e PKPbc | Z | 01:35:07.5 | 152.6 | 15.1 | | | | | |
| | e PKPab | Z | 01:35:18.6 | | | | | | | |
| RJOB | e PKPab | Z | 01:35:20.0 | 152.7 | 18.4 | | | | | |
| BFO | e PKPab | Z | 01:35:20.2 | 152.9 | 9.1 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/27 01:45:32.6 31.338N 69.416E 33.0N 4.6
 Pakistan SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z | 01:53:57.3 | 46.5 | 90.5 | 1.2 | 6 | 4.6 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/27 04:38:10.5 28.692N 140.049E 33.0N 4.6
 Bonin Islands, Japan, region SZGRF

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z | 04:51:04.3 | 89.4 | 43.1 | 1.3 | 5 | 4.6 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/27 05:40:10.3 51.093N 175.978E 33.0N 4.4
 SZGRF

Rat Islands, Aleutian Islands, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|-----|----|----|
| GRA1 | e P | Z 05:52:08.0 | 78.4 | 9.7 | 0.9 | 3 | 4.4 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/27 | 07:21:54.8 | 51.129N | 175.671W | 46.7 | 4.7 | 4.3 | | SZGRF |

Andreanof Islands, Aleutian Islands, United States

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|-----|-----|----|
| BSEG | e P | Z 07:33:30.3 | 74.8 | 3.9 | 1.1 | 10 | 4.7 | | |
| NRDL | e P | Z 07:33:38.5 | 76.3 | 3.7 | 1.0 | 7 | 4.7 | | |
| IBBN | e P | Z 07:33:40.2 | 76.5 | 2.2 | 1.2 | 17 | 5.1 | | |
| CLZ | e P | Z 07:33:42.3 | 76.9 | 3.9 | 1.2 | 13 | 4.9 | | |
| CLL | e P | Z 07:33:43.8 | 77.3 | 5.6 | 1.0 | 5 | 4.6 | | |
| BRG | e P | Z 07:33:46.1 | 77.7 | 6.2 | 1.1 | 5 | 4.5 | | |
| UBBA | e P | Z 07:33:47.4 | 77.9 | 3.6 | 1.4 | 8 | 4.7 | | |
| MOX | e P | Z 07:33:48.0 | 78.0 | 4.7 | 1.2 | 6 | 4.6 | | |
| TNS | e P | Z 07:33:50.9 | 78.6 | 2.6 | 1.1 | 10 | 4.8 | | |
| ROTZ | e P | Z 07:33:53.1 | 78.9 | 5.0 | 1.5 | 10 | 4.6 | | |
| GRA1 | e P | Z 07:33:53.9 | 79.0 | 4.4 | 1.1 | 14 | 4.9 | | |
| | e pP | Z 07:34:07.4 | | | | | | | |
| | e sP | Z 07:34:14.8 | | | | | | | |
| | e L | Z 08:08:32.4 | | | 22.0 | 169 | | 4.3 | |
| WLF | e P | Z 07:33:54.2 | 79.2 | 1.2 | 1.4 | 21 | 4.9 | | |
| GEC2 | e P | Z 07:33:57.3 | 79.7 | 6.0 | 1.2 | 3 | 4.1 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/27 | 09:51:56.3 | 13.290N | 91.037W | 33.0N | 4.8 | | | SZGRF |

Near coast of Guatemala

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRA1 | e P | Z 10:04:41.6 | 87.6 | 287.9 | 1.2 | 7 | 4.9 | | |
| TANN | e P | Z 10:04:44.3 | 88.1 | 288.8 | 1.4 | 8 | 4.9 | | |
| WET | e P | Z 10:04:50.8 | 88.8 | 289.1 | 1.2 | 6 | 4.7 | | |
| GEC2 | e P | Z 10:04:50.1 | 89.4 | 289.7 | 1.5 | 8 | 4.7 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/27 | 14:35:32.5 | 35.598S | 15.973W | 22.4 | 5.2 | 4.9 | | SZGRF |

Tristan da Cunha region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|-------|--------------|------|-------|------|-------|-----|----|----|
| BFO | e P | Z 14:48:14.4 | 86.7 | 199.6 | 1.0 | 10 | 4.9 | | |

| | | | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|-----|-----|--|
| RJOB | e P | Z | 14:48:16.6 | 87.2 | 203.1 | 1.4 | 11 | 4.8 | | |
| FUR | e P | Z | 14:48:17.4 | 87.2 | 201.9 | 1.1 | 27 | 5.3 | | |
| STU | e P | Z | 14:48:17.8 | 87.3 | 200.3 | 1.0 | 12 | 5.0 | | |
| WLF | e P | Z | 14:48:19.1 | 87.5 | 197.9 | 1.4 | 13 | 4.9 | | |
| GEC2 | e P | Z | 14:48:22.9 | 88.5 | 203.7 | 2.8 | 90 | 5.6 | | |
| | e PP | Z | 14:51:47.1 | | | | | | | |
| TNS | e P | Z | 14:48:24.0 | 88.5 | 199.7 | 1.0 | 14 | 5.3 | | |
| WET | e P | Z | 14:48:23.5 | 88.5 | 203.1 | 1.6 | 27 | 5.3 | | |
| | e pP | Z | 14:48:30.0 | | | | | | | |
| GRA1 | e P | Z | 14:48:24.2 | 88.6 | 201.8 | 1.9 | 77 | 5.7 | | |
| | e pP | Z | 14:48:30.2 | | | | | | | |
| | e PP | Z | 14:51:51.3 | | | | | | | |
| | e SS | T | 15:04:56.3 | | | | | | | |
| | e L | Z | 15:24:27.4 | | | 19.6 | 415 | | 4.9 | |
| ROTZ | e P | Z | 14:48:25.5 | 88.9 | 202.6 | 1.4 | 12 | 5.0 | | |
| | e pP | Z | 14:48:31.6 | | | | | | | |
| UBBA | e P | Z | 14:48:28.4 | 89.4 | 200.9 | 2.6 | 96 | 5.6 | | |
| | e pP | Z | 14:48:34.4 | | | | | | | |
| BUG | e P | Z | 14:48:28.2 | 89.4 | 198.7 | 1.0 | 10 | 5.0 | | |
| TANN | e P | Z | 14:48:28.9 | 89.6 | 202.8 | 1.3 | 16 | 5.1 | | |
| | e pP | Z | 14:48:35.2 | | | | | | | |
| | e PP | Z | 14:51:58.3 | | | | | | | |
| IBBN | e P | Z | 14:48:33.0 | 90.3 | 199.1 | 1.3 | 26 | 5.3 | | |
| BRG | e P | Z | 14:48:32.9 | 90.4 | 203.9 | 1.8 | 29 | 5.2 | | |
| | e pP | Z | 14:48:39.2 | | | | | | | |
| CLZ | e P | Z | 14:48:33.1 | 90.4 | 201.2 | 1.8 | 25 | 5.2 | | |
| | e pP | Z | 14:48:39.9 | | | | | | | |
| CLL | e P | Z | 14:48:33.7 | 90.6 | 203.2 | 1.1 | 11 | 5.0 | | |
| | e PP | Z | 14:52:05.4 | | | | | | | |
| NRDL | e P | Z | 14:48:36.9 | 91.0 | 200.9 | 1.7 | 47 | 5.4 | | |
| | e pP | Z | 14:48:42.8 | | | | | | | |
| RUE | e P | Z | 14:48:40.2 | 91.8 | 203.8 | 0.8 | 23 | 5.5 | | |
| BSEG | e P | Z | 14:48:42.9 | 92.4 | 201.1 | 1.0 | 22 | 5.5 | | |

Date 2008/04/27 Origin Time 17:32: 2.6 Lat 23.600N Long 125.650E Depth 20.5 mb 5.3 Ms 5.1 ML Source SZGRF
 Southwestern Ryukyu Islands, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| RUE | e P | Z 17:44:31.8 | 83.7 | 58.8 | 1.2 | 37 | 5.5 | | |
| BRG | e P | Z 17:44:36.7 | 84.5 | 58.8 | 0.9 | 9 | 5.0 | | |
| BSEG | e P | Z 17:44:37.8 | 84.7 | 56.3 | 1.1 | 26 | 5.4 | | |
| WERD | e P | Z 17:44:41.6 | 85.6 | 57.6 | 1.6 | 22 | 5.0 | | |
| NRDL | e P | Z 17:44:41.6 | 85.6 | 56.0 | 1.5 | 36 | 5.3 | | |
| GUNZ | e P | Z 17:44:42.1 | 85.6 | 57.6 | 1.2 | 23 | 5.2 | | |
| WERN | e P | Z 17:44:41.6 | 85.6 | 57.6 | 1.0 | 16 | 5.1 | | |
| GEC2 | e P | Z 17:44:41.5 | 85.6 | 58.5 | 1.1 | 7 | 4.7 | | |

| | | | | | | | | | | |
|------|------|---|------------|------|------|------|-----|-----|-----|--|
| CLZ | e P | Z | 17:44:43.1 | 85.8 | 56.2 | 1.3 | 60 | 5.6 | | |
| MOX | e P | Z | 17:44:42.7 | 85.8 | 57.1 | 1.4 | 23 | 5.1 | | |
| WET | e P | Z | 17:44:42.9 | 85.9 | 57.9 | 2.1 | 35 | 5.1 | | |
| ROTZ | e P | Z | 17:44:43.7 | 86.0 | 57.4 | 1.6 | 29 | 5.2 | | |
| GRA1 | e P | Z | 17:44:46.5 | 86.6 | 56.7 | 1.6 | 62 | 5.5 | | |
| | e pP | Z | 17:44:52.5 | | | | | | | |
| | e sP | Z | 17:44:54.6 | | | | | | | |
| | e L | Z | 18:27:54.0 | | | 18.7 | 765 | | 5.1 | |
| UBBA | e P | Z | 17:44:46.2 | 86.6 | 55.8 | 1.6 | 37 | 5.3 | | |
| RJOB | e P | Z | 17:44:48.3 | 86.7 | 57.8 | 1.0 | 7 | 4.7 | | |
| IBBN | e P | Z | 17:44:48.0 | 86.9 | 54.2 | 1.3 | 65 | 5.6 | | |
| FUR | e P | Z | 17:44:50.7 | 87.4 | 56.7 | 1.6 | 77 | 5.8 | | |
| BUG | e P | Z | 17:44:51.5 | 87.6 | 53.8 | 1.3 | 40 | 5.6 | | |
| TNS | e P | Z | 17:44:52.1 | 87.7 | 54.7 | 1.7 | 50 | 5.6 | | |
| STU | e P | Z | 17:44:53.9 | 88.2 | 55.2 | 1.1 | 22 | 5.4 | | |
| BFO | e P | Z | 17:44:57.3 | 88.9 | 54.5 | 1.6 | 30 | 5.3 | | |
| WLF | e P | Z | 17:44:59.5 | 89.2 | 52.9 | 1.9 | 57 | 5.5 | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/27 19:21:57.1 22.840S 176.780W 33.0N
 South of Fiji Islands SZGRF

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPbc | Z 19:41:40.0 | 148.4 | 12.6 | | | | | |
| NRDL | e PKPbc | Z 19:41:43.8 | 149.9 | 12.7 | | | | | |
| IBBN | e PKPbc | Z 19:41:45.7 | 150.3 | 8.5 | | | | | |
| CLZ | e PKPbc | Z 19:41:45.7 | 150.5 | 13.5 | | | | | |
| CLL | e PKPbc | Z 19:41:45.7 | 150.5 | 18.6 | | | | | |
| BRG | e PKPbc | Z 19:41:46.2 | 150.8 | 20.5 | | | | | |
| NEUB | e PKPbc | Z 19:41:46.7 | 150.9 | 16.4 | | | | | |
| MOX | e PKPbc | Z 19:41:47.6 | 151.4 | 16.3 | | | | | |
| PLN | e PKPbc | Z 19:41:48.0 | 151.5 | 17.5 | | | | | |
| WERD | e PKPbc | Z 19:41:48.0 | 151.5 | 17.8 | | | | | |
| TANN | e PKPbc | Z 19:41:47.8 | 151.5 | 18.1 | | | | | |
| GUNZ | e PKPbc | Z 19:41:48.4 | 151.6 | 17.9 | | | | | |
| WERN | e PKPbc | Z 19:41:48.2 | 151.6 | 18.0 | | | | | |
| NKC | e PKPbc | Z 19:41:48.4 | 151.7 | 18.1 | | | | | |
| ROTZ | e PKPbc | Z 19:41:49.5 | 152.2 | 18.0 | | | | | |
| TNS | e PKPbc | Z 19:41:49.6 | 152.3 | 10.4 | | | | | |
| | e PKPab | Z 19:41:59.1 | | | | | | | |
| GRA1 | e PKPbc | Z 19:41:50.3 | 152.4 | 16.1 | | | | | |
| WET | e PKPab | Z 19:42:01.2 | 152.6 | 19.6 | | | | | |
| GEC2 | e PKPbc | Z 19:41:50.0 | 152.7 | 21.4 | | | | | |
| WLF | e PKPbc | Z 19:41:51.8 | 153.1 | 6.0 | | | | | |
| | e PKPab | Z 19:42:02.7 | | | | | | | |
| FUR | e PKPab | Z 19:42:07.0 | 153.9 | 17.1 | | | | | |
| RJOB | e PKPbc | Z 19:41:54.2 | 154.0 | 20.4 | | | | | |

| | | | | | | | | | |
|-----|---------|---|------------|-------|------|--|--|--|--|
| | e PKPab | Z | 19:42:07.7 | | | | | | |
| BFO | e PKPab | Z | 19:42:07.7 | 154.2 | 10.9 | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/27 | 21:18:13.1 | 49.656N | 128.167W | 33.0N | 4.9 | 4.7 | | SZGRF |

Vancouver Island, Canada, region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| BSEG | e P | Z 21:29:29.8 | 70.7 | 333.0 | 0.9 | 8 | 4.9 | | |
| IBBN | e P | Z 21:29:36.5 | 71.4 | 331.6 | | | | | |
| CLZ | e P | Z 21:29:41.1 | 72.6 | 333.3 | 0.9 | 10 | 4.9 | | |
| CLL | e P | Z 21:29:47.6 | 73.8 | 335.0 | 0.9 | 5 | 4.6 | | |
| MOX | e P | Z 21:29:48.6 | 74.0 | 334.2 | 0.9 | 8 | 4.8 | | |
| TANN | e P | Z 21:29:50.9 | 74.4 | 334.8 | 2.0 | 23 | 4.9 | | |
| GRA1 | e P | Z 21:29:51.6 | 74.7 | 334.1 | 0.9 | 11 | 4.9 | | |
| | e S | T 21:39:40.4 | | | | | | | |
| | e SS | T 21:44:33.6 | | | | | | | |
| | e L | Z 22:02:12.4 | | | 19.3 | 405 | | 4.7 | |
| BFO | e P | Z 21:29:53.9 | 75.1 | 332.5 | 1.0 | 12 | 4.9 | | |
| WET | e P | Z 21:30:00.4 | 75.7 | 335.2 | 1.6 | 11 | 4.7 | | |
| FUR | e P | Z 21:30:02.9 | 76.1 | 334.3 | | | | | |
| GEC2 | e P | Z 21:30:02.8 | 76.2 | 335.7 | | | | | |
| RJOB | e P | Z 21:30:04.8 | 76.9 | 335.3 | 0.8 | 11 | 5.1 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/28 | 00:06:20.0 | 16.170N | 100.540W | 59.3 | 5.6 | | | SZGRF |

Near coast of Guerrero, Mexico

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| IBBN | e P | Z 00:19:04.2 | 87.9 | 294.2 | 1.4 | 178 | 6.0 | | |
| | e S | R 00:29:42.9 | | | | | | | |
| BUG | e P | Z 00:19:04.6 | 88.0 | 293.8 | 1.6 | 143 | 5.9 | | |
| | e S | R 00:29:42.5 | | | | | | | |
| WLF | e P | Z 00:19:04.6 | 88.1 | 293.0 | 1.4 | 153 | 5.9 | | |
| | e S | R 00:29:44.6 | | | | | | | |
| BSEG | e P | Z 00:19:06.9 | 88.6 | 296.1 | 1.7 | 89 | 5.6 | | |
| NRDL | e P | Z 00:19:09.7 | 89.2 | 296.0 | 1.2 | 36 | 5.6 | | |
| | e S | R 00:29:55.1 | | | | | | | |
| TNS | e P | Z 00:19:09.6 | 89.2 | 294.7 | 1.1 | 80 | 5.9 | | |
| | e S | R 00:29:56.3 | | | | | | | |
| CLZ | e P | Z 00:19:11.7 | 89.6 | 296.2 | 1.2 | 62 | 5.8 | | |
| | e S | R 00:29:59.7 | | | | | | | |
| UBBA | e P | Z 00:19:12.6 | 89.8 | 295.9 | 1.4 | 32 | 5.4 | | |
| | e S | R 00:30:01.2 | | | | | | | |
| BFO | e P | Z 00:19:13.1 | 89.9 | 294.7 | 1.6 | 37 | 5.5 | | |

| | | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|-----|--|
| | e S | R | 00:30:00.6 | | | | | | |
| STU | e P | Z | 00:19:14.7 | 90.2 | 295.3 | 1.1 | 19 | 5.2 | |
| | e S | R | 00:30:04.8 | | | | | | |
| MOX | e P | Z | 00:19:17.4 | 90.8 | 297.2 | 1.3 | 43 | 5.5 | |
| | e S | R | 00:30:11.8 | | | | | | |
| GRA1 | e P | Z | 00:19:18.9 | 91.0 | 296.9 | 1.3 | 72 | 5.8 | |
| | e pP | Z | 00:19:35.6 | | | | | | |
| | e sP | Z | 00:19:42.7 | | | | | | |
| | e S | R | 00:30:13.0 | | | | | | |
| | e L | Z | 01:01:13.1 | | | 20.2 | 668 | | |
| CLL | e P | Z | 00:19:19.2 | 91.3 | 298.3 | 1.2 | 46 | 5.6 | |
| | e S | R | 00:30:13.8 | | | | | | |
| TANN | e P | Z | 00:19:20.4 | 91.4 | 297.8 | 1.4 | 54 | 5.6 | |
| | e S | R | 00:30:15.2 | | | | | | |
| ROTZ | e P | Z | 00:19:21.0 | 91.6 | 297.6 | 1.3 | 39 | 5.5 | |
| | e S | R | 00:30:18.7 | | | | | | |
| FUR | e P | Z | 00:19:22.6 | 91.8 | 296.9 | 1.4 | 46 | 5.5 | |
| | e S | R | 00:30:18.9 | | | | | | |
| BRG | e P | Z | 00:19:22.9 | 92.0 | 299.0 | 1.1 | 44 | 5.6 | |
| WET | e P | Z | 00:19:24.0 | 92.2 | 298.1 | 1.3 | 58 | 5.7 | |
| | e S | R | 00:30:22.5 | | | | | | |
| RJOB | e P | Z | 00:19:26.7 | 92.9 | 298.0 | 1.4 | 21 | 5.3 | |
| GEC2 | e P | Z | 00:19:26.8 | 92.9 | 298.7 | 1.4 | 44 | 5.6 | |
| | e S | R | 00:30:26.8 | | | | | | |

Date 2008/04/28 Origin Time 15:57:55.5 Lat 58.700S Long 24.700W Depth 35.0 mb Ms 6.0 ML Source NEIC
 South Sandwich Islands region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|-------|-------|------|-------|----|-----|----|
| WLF | e SP | Z 16:26:36.0 | 111.3 | 196.6 | | | | | |
| GEC2 | e SP | Z 16:26:41.4 | 112.1 | 200.4 | | | | | |
| WET | e SP | Z 16:26:42.5 | 112.1 | 200.0 | | | | | |
| TNS | e SP | Z 16:26:42.9 | 112.2 | 197.9 | | | | | |
| GRA1 | e PP | Z 16:17:10.2 | 112.3 | 199.2 | | | | | |
| | e SP | Z 16:26:43.2 | | | | | | | |
| | e L | Z 16:59:23.7 | | | 20.4 | 3979 | | 6.0 | |
| ROTZ | e SP | Z 16:26:46.1 | 112.6 | 199.7 | | | | | |
| UBBA | e SP | Z 16:26:49.6 | 113.1 | 198.8 | | | | | |
| BUG | e SP | Z 16:26:49.8 | 113.2 | 197.4 | | | | | |
| TANN | e SP | Z 16:26:51.5 | 113.2 | 200.0 | | | | | |
| MOX | e SP | Z 16:26:50.7 | 113.3 | 199.6 | | | | | |

Date 2008/04/28 Origin Time 18:15:20.6 Lat 26.800N Long 142.900E Depth 12.0 mb Ms 4.8 ML Source NEIC

Bonin Islands, Japan, region

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 18:28:42.1 | 92.3 | 41.9 | 0.7 | 3 | 4.8 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| 2008/04/28 | 18:33:30.0 | 20.032S | 170.334E | 33.0G | | 6.1 | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|--------------|-------|------|------|-------|----|-----|----|
| BSEG | e PKPbc | Z 18:52:59.0 | 142.8 | 32.1 | | | | | |
| | e PP | Z 18:56:05.4 | | | | | | | |
| BRG | e PKPbc | Z 18:53:02.0 | 144.0 | 39.8 | | | | | |
| | e PP | Z 18:56:12.6 | | | | | | | |
| CLL | e PKPbc | Z 18:53:01.9 | 144.0 | 38.1 | | | | | |
| | e PP | Z 18:56:13.3 | | | | | | | |
| NRDL | e PKPbc | Z 18:53:02.4 | 144.1 | 32.8 | | | | | |
| | e PP | Z 18:56:12.7 | | | | | | | |
| CLZ | e PKPbc | Z 18:53:04.4 | 144.6 | 33.7 | | | | | |
| | e PP | Z 18:56:15.3 | | | | | | | |
| TANN | e PKPbc | Z 18:53:05.5 | 144.9 | 38.0 | | | | | |
| | e PP | Z 18:56:18.3 | | | | | | | |
| IBBN | e PKPbc | Z 18:53:05.8 | 145.0 | 29.4 | | | | | |
| | e PP | Z 18:56:18.3 | | | | | | | |
| MOX | e PKPbc | Z 18:53:05.9 | 145.1 | 36.6 | | | | | |
| | e PP | Z 18:56:20.7 | | | | | | | |
| UBBA | e PKPbc | Z 18:53:07.5 | 145.5 | 34.0 | | | | | |
| | e PP | Z 18:56:23.0 | | | | | | | |
| ROTZ | e PKPbc | Z 18:53:07.9 | 145.6 | 38.2 | | | | | |
| | e PP | Z 18:56:23.2 | | | | | | | |
| GEC2 | e PKPbc | Z 18:53:07.7 | 145.6 | 41.3 | | | | | |
| | e PP | Z 18:56:21.9 | | | | | | | |
| WET | e PKPbc | Z 18:53:08.2 | 145.8 | 39.8 | | | | | |
| | e PP | Z 18:56:23.9 | | | | | | | |
| BUG | e PKPbc | Z 18:53:08.5 | 145.9 | 29.2 | | | | | |
| | e PP | Z 18:56:24.9 | | | | | | | |
| GRA1 | e PKPbc | Z 18:53:09.2 | 146.0 | 36.8 | | | | | |
| | e PP | Z 18:56:25.6 | | | | | | | |
| | e SKKPbc | Z 19:04:40.0 | | | | | | | |
| | e L | Z 20:01:36.0 | | | 21.5 | 3802 | | 6.1 | |
| TNS | e PKPbc | Z 18:53:11.1 | 146.6 | 32.0 | | | | | |
| | e PP | Z 18:56:29.2 | | | | | | | |
| RJOB | e PKPbc | Z 18:53:11.4 | 146.9 | 41.1 | | | | | |
| | e PP | Z 18:56:30.2 | | | | | | | |
| FUR | e PKPbc | Z 18:53:12.7 | 147.2 | 38.3 | | | | | |
| | e PP | Z 18:56:31.4 | | | | | | | |
| STU | e PKPbc | Z 18:53:13.7 | 147.5 | 34.4 | | | | | |

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Thu Apr 23 08:38:25 2020

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| | | | | | |
|-----|---------|---|------------|-------|------|
| | e PP | Z | 18:56:34.4 | | |
| WLF | e PKPbc | Z | 18:53:15.1 | 147.8 | 28.7 |
| | e PP | Z | 18:56:37.0 | | |
| BFO | e PKPbc | Z | 18:53:15.5 | 148.2 | 33.4 |
| | e PP | Z | 18:56:38.2 | | |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/28 | 19:55: 5.9 | 20.148S | 170.063E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| CLL | e PKPbc | Z 20:14:34.5 | 144.0 | 38.5 | | | | | |
| TANN | e PKPbc | Z 20:14:37.3 | 144.9 | 38.5 | | | | | |
| IBBN | e PKPbc | Z 20:14:38.4 | 145.0 | 29.9 | | | | | |
| MOX | e PKPbc | Z 20:14:37.6 | 145.1 | 37.1 | | | | | |
| UBBA | e PKPbc | Z 20:14:39.3 | 145.5 | 34.5 | | | | | |
| ROTZ | e PKPbc | Z 20:14:39.5 | 145.5 | 38.7 | | | | | |
| GEC2 | e PKPbc | Z 20:14:39.7 | 145.6 | 41.8 | | | | | |
| GRA1 | e PKPbc | Z 20:14:41.7 | 146.0 | 37.3 | | | | | |
| RJOB | e PKPbc | Z 20:14:43.8 | 146.9 | 41.6 | | | | | |
| STU | e PKPbc | Z 20:14:45.5 | 147.5 | 35.0 | | | | | |
| WLF | e PKPbc | Z 20:14:46.9 | 147.8 | 29.2 | | | | | |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|----|-----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/28 | 20:26:51.6 | 20.078S | 170.225E | 33.0N | | 5.7 | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|-----|----|
| BSEG | e PKPbc | Z 20:46:16.3 | 142.8 | 32.3 | | | | | |
| BRG | e PKPbc | Z 20:46:20.0 | 144.0 | 40.0 | | | | | |
| CLL | e PKPbc | Z 20:46:20.0 | 144.0 | 38.2 | | | | | |
| NRDL | e PKPbc | Z 20:46:20.9 | 144.1 | 33.0 | | | | | |
| CLZ | e PKPbc | Z 20:46:22.5 | 144.6 | 33.9 | | | | | |
| TANN | e PKPbc | Z 20:46:23.6 | 144.9 | 38.2 | | | | | |
| IBBN | e PKPbc | Z 20:46:24.4 | 145.0 | 29.6 | | | | | |
| MOX | e PKPbc | Z 20:46:24.0 | 145.1 | 36.8 | | | | | |
| UBBA | e PKPbc | Z 20:46:25.7 | 145.5 | 34.2 | | | | | |
| ROTZ | e PKPbc | Z 20:46:26.0 | 145.6 | 38.4 | | | | | |
| GEC2 | e PKPbc | Z 20:46:25.7 | 145.6 | 41.5 | | | | | |
| WET | e PKPbc | Z 20:46:26.4 | 145.8 | 40.0 | | | | | |
| BUG | e PKPbc | Z 20:46:26.6 | 145.9 | 29.4 | | | | | |
| GRA1 | e PKPbc | Z 20:46:27.5 | 146.0 | 37.0 | | | | | |
| | e L | Z 21:49:07.3 | | | 22.0 | 1360 | | 5.7 | |
| TNS | e PKPbc | Z 20:46:29.2 | 146.6 | 32.2 | | | | | |
| RJOB | e PKPbc | Z 20:46:29.3 | 146.9 | 41.3 | | | | | |

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|-----|---|-------|---|------------|-------|------|
| FUR | e | PKPbc | Z | 20:46:30.7 | 147.2 | 38.5 |
| STU | e | PKPbc | Z | 20:46:31.7 | 147.5 | 34.6 |
| WLF | e | PKPbc | Z | 20:46:33.0 | 147.8 | 28.9 |
| BFO | e | PKPbc | Z | 20:46:33.1 | 148.2 | 33.6 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/28 | 20:30:25.3 | 20.529S | 169.199E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|-------|-------|----|----|----|
| NEUB | e | PKPbc | Z | 20:49:56.2 | 144.6 | 38.4 | | | |
| PST | e | PKPbc | Z | 20:49:57.0 | 144.7 | 39.4 | | | |
| TANN | e | PKPbc | Z | 20:49:57.9 | 144.9 | 40.1 | | | |
| WERD | e | PKPbc | Z | 20:49:57.9 | 145.0 | 39.8 | | | |
| PLN | e | PKPbc | Z | 20:49:58.0 | 145.0 | 39.6 | | | |
| GUNZ | e | PKPbc | Z | 20:49:58.1 | 145.0 | 39.9 | | | |
| WERN | e | PKPbc | Z | 20:49:58.4 | 145.1 | 40.1 | | | |
| NKC | e | PKPbc | Z | 20:49:58.4 | 145.1 | 40.2 | | | |
| MOX | e | PKPbc | Z | 20:49:58.4 | 145.1 | 38.6 | | | |
| ROTZ | e | PKPbc | Z | 20:50:00.1 | 145.5 | 40.3 | | | |
| GEC2 | e | PKPbc | Z | 20:49:59.7 | 145.6 | 43.4 | | | |
| GRA1 | e | PKPbc | Z | 20:50:01.1 | 146.0 | 38.9 | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|-----|------|-------|----|----|----|--------|
| 2008/04/28 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|------|-------|----|----|----|
| GRA1 | e | PKPbc | Z | 21:13:40.7 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/28 | 20:56: 9.3 | 20.102S | 170.171E | 33.0N | | | | SZGRF |

Vanuatu Islands

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|-------|------|------------|-------|-------|----|----|----|
| CLZ | e | PKPbc | Z | 21:15:41.0 | 144.6 | 34.0 | | | |
| TANN | e | PKPbc | Z | 21:15:42.2 | 144.9 | 38.3 | | | |
| MOX | e | PKPbc | Z | 21:15:42.3 | 145.1 | 36.9 | | | |
| UBBA | e | PKPbc | Z | 21:15:43.6 | 145.5 | 34.3 | | | |
| ROTZ | e | PKPbc | Z | 21:15:44.1 | 145.6 | 38.5 | | | |
| GEC2 | e | PKPbc | Z | 21:15:44.1 | 145.6 | 41.6 | | | |
| WET | e | PKPbc | Z | 21:15:44.5 | 145.8 | 40.1 | | | |
| GRA1 | e | PKPbc | Z | 21:15:45.2 | 146.0 | 37.1 | | | |
| RJOB | e | PKPbc | Z | 21:15:48.1 | 146.9 | 41.4 | | | |

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WLF e PKPbc Z 21:15:51.3 147.8 29.0

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/28 22:41:27.5 21.050S 168.074E 25.9
Loyalty Islands

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| PST | e pPKPbc | Z | 23:01:06.5 | 144.7 | 41.4 | | | | | |
| TANN | e PKPbc | Z | 23:00:59.6 | 144.9 | 42.1 | | | | | |
| | e pPKPbc | Z | 23:01:07.2 | | | | | | | |
| WERD | e PKPbc | Z | 23:00:59.7 | 145.0 | 41.9 | | | | | |
| | e pPKPbc | Z | 23:01:07.4 | | | | | | | |
| GUNZ | e PKPbc | Z | 23:00:59.9 | 145.0 | 42.0 | | | | | |
| | e pPKPbc | Z | 23:01:07.9 | | | | | | | |
| WERN | e PKPbc | Z | 23:01:00.0 | 145.1 | 42.1 | | | | | |
| | e pPKPbc | Z | 23:01:08.0 | | | | | | | |
| NKC | e PKPbc | Z | 23:01:00.2 | 145.1 | 42.3 | | | | | |
| | e pPKPbc | Z | 23:01:08.0 | | | | | | | |
| MOX | e pPKPbc | Z | 23:01:07.8 | 145.1 | 40.7 | | | | | |
| GEC2 | e PKPbc | Z | 23:01:01.8 | 145.5 | 45.5 | | | | | |
| | e pPKPbc | Z | 23:01:09.1 | | | | | | | |
| ROTZ | e PKPbc | Z | 23:01:01.7 | 145.5 | 42.4 | | | | | |
| | e pPKPbc | Z | 23:01:09.7 | | | | | | | |
| GRA1 | e PKPbc | Z | 23:01:04.1 | 146.0 | 41.0 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
2008/04/29 00:06:53.6 11.212N 44.016E 33.0N 4.9 4.0
Western Gulf of Aden

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|-----|----|
| RJOB | e P | Z | 00:15:06.0 | 44.9 | 133.9 | 1.0 | 7 | 4.5 | | |
| GEC2 | e P | Z | 00:15:09.3 | 45.3 | 135.8 | 1.4 | 26 | 5.1 | | |
| PRU | e P | Z | 00:15:13.0 | 45.7 | 137.6 | 1.4 | 13 | 4.8 | | |
| WET | e P | Z | 00:15:13.7 | 45.9 | 135.0 | 1.6 | 12 | 4.7 | | |
| FUR | e P | Z | 00:15:13.8 | 46.0 | 132.4 | 1.6 | 27 | 5.0 | | |
| ROTZ | e P | Z | 00:15:18.5 | 46.6 | 134.7 | 1.4 | 11 | 4.8 | | |
| BRG | e P | Z | 00:15:20.1 | 46.6 | 137.5 | 1.2 | 10 | 4.8 | | |
| NKC | e P | Z | 00:15:22.2 | 46.8 | 135.3 | 1.4 | 13 | 4.9 | | |
| TANN | e P | Z | 00:15:21.9 | 47.0 | 135.4 | 1.6 | 24 | 5.1 | | |
| GUNZ | e P | Z | 00:15:22.2 | 47.0 | 135.2 | 1.6 | 28 | 5.2 | | |
| GRA1 | e P | Z | 00:15:22.1 | 47.0 | 133.4 | 0.9 | 10 | 4.9 | | |
| | e S | R | 00:22:21.5 | | | | | | | |
| | e L | Z | 00:40:26.2 | | | 18.2 | 137 | | 4.0 | |
| WERD | e P | Z | 00:15:22.8 | 47.1 | 135.2 | 1.2 | 13 | 4.9 | | |
| PLN | e P | Z | 00:15:23.8 | 47.1 | 135.1 | 1.3 | 42 | 5.4 | | |

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| | | | | | | | | |
|------|-----|---|------------|------|-------|-----|----|-----|
| CLL | e P | Z | 00:15:25.6 | 47.4 | 136.6 | 1.5 | 19 | 5.0 |
| MOX | e P | Z | 00:15:27.2 | 47.5 | 134.5 | 1.5 | 19 | 5.0 |
| BSEG | e P | Z | 00:15:48.9 | 50.4 | 135.1 | 1.6 | 26 | 4.9 |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------------|-------------|---------|---------|-------|-----|-----|----|--------|
| 2008/04/29 | 01:07:35.8 | 12.609N | 43.830E | 33.0N | 4.7 | 4.0 | | SZGRF |
| Western Arabian Peninsula | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|-----|----|
| GRA1 | e P | Z 01:15:54.1 | 45.7 | 132.7 | 1.4 | 13 | 4.7 | | |
| | e L | Z 01:40:16.7 | | | 18.7 | 152 | | 4.0 | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|---------|-------|-----|----|----|--------|
| 2008/04/29 | 02:33:19.1 | 11.743N | 42.856E | 33.0N | 4.5 | | | SZGRF |
| Ethiopia | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-------|------|-------|-----|----|----|
| GRFO | e P | Z 02:41:39.8 | 46.0 | 134.5 | 1.3 | 6 | 4.5 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/29 | 02:55:18.1 | 20.770S | 171.210E | 33.0N | | | | SZGRF |
| Vanuatu Islands region | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|--------------|-------|------|------|-------|----|----|----|
| CLZ | e PKPbc | Z 03:14:52.3 | 145.5 | 32.8 | | | | | |
| TANN | e PKPbc | Z 03:14:54.0 | 146.0 | 37.3 | | | | | |
| IBBN | e PKPbc | Z 03:14:54.4 | 146.0 | 28.4 | | | | | |
| WERD | e PKPbc | Z 03:14:54.0 | 146.0 | 37.0 | | | | | |
| GUNZ | e PKPbc | Z 03:14:54.3 | 146.0 | 37.1 | | | | | |
| WERN | e PKPbc | Z 03:14:54.0 | 146.1 | 37.2 | | | | | |
| MOX | e PKPbc | Z 03:14:54.3 | 146.1 | 35.8 | | | | | |
| NKC | e PKPbc | Z 03:14:54.5 | 146.1 | 37.4 | | | | | |
| ROTZ | e PKPbc | Z 03:14:56.1 | 146.6 | 37.5 | | | | | |
| BUG | e PKPbc | Z 03:14:56.4 | 146.9 | 28.2 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-------------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/29 | 05:26:11.0 | 42.300N | 142.350E | 74.4 | 6.0 | | | SZGRF |
| Hokkaido, Japan, region | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|-----|-------|--------------|------|------|------|-------|-----|----|----|
| RUE | e P | Z 05:37:48.1 | 75.4 | 36.7 | 1.4 | 234 | 6.1 | | |

| | | | | | | | | |
|------|-------|---|------------|------|------|-----|-----|-----|
| | e PcP | Z | 05:37:58.7 | | | | | |
| | e pP | Z | 05:38:08.4 | | | | | |
| BSEG | e P | Z | 05:37:48.5 | 75.4 | 34.6 | 2.0 | 415 | 6.2 |
| | e PcP | Z | 05:37:59.3 | | | | | |
| HLG | e P | Z | 05:37:51.9 | 76.0 | 33.0 | 2.0 | 454 | 6.3 |
| | e pP | Z | 05:38:11.8 | | | | | |
| CLL | e P | Z | 05:37:54.6 | 76.6 | 36.0 | 1.3 | 122 | 5.9 |
| | e PcP | Z | 05:38:05.2 | | | | | |
| | e pP | Z | 05:38:14.9 | | | | | |
| BRG | e P | Z | 05:37:54.9 | 76.6 | 36.6 | 1.7 | 149 | 5.9 |
| | e PcP | Z | 05:38:05.2 | | | | | |
| | e pP | Z | 05:38:15.1 | | | | | |
| NRDL | e P | Z | 05:37:55.3 | 76.6 | 34.2 | 1.2 | 86 | 5.7 |
| CLZ | e P | Z | 05:37:58.2 | 77.1 | 34.3 | 1.9 | 426 | 6.3 |
| | e PcP | Z | 05:38:08.9 | | | | | |
| | e pP | Z | 05:38:18.3 | | | | | |
| NEUB | e P | Z | 05:37:57.8 | 77.1 | 35.2 | 1.8 | 304 | 6.1 |
| | e pP | Z | 05:38:17.7 | | | | | |
| PST | e P | Z | 05:37:58.5 | 77.2 | 35.5 | 1.6 | 196 | 6.0 |
| | e PcP | Z | 05:38:09.1 | | | | | |
| | e pP | Z | 05:38:18.2 | | | | | |
| TANN | e P | Z | 05:38:00.3 | 77.5 | 35.5 | 2.1 | 176 | 5.8 |
| WERD | e P | Z | 05:38:00.4 | 77.5 | 35.4 | 1.6 | 104 | 5.7 |
| | e pP | Z | 05:38:20.5 | | | | | |
| PLN | e P | Z | 05:38:00.7 | 77.6 | 35.4 | 2.0 | 522 | 6.3 |
| IBBN | e P | Z | 05:38:00.6 | 77.6 | 32.6 | 2.0 | 418 | 6.2 |
| | e PcP | Z | 05:38:10.8 | | | | | |
| | e pP | Z | 05:38:21.3 | | | | | |
| | e sP | Z | 05:38:28.0 | | | | | |
| GUNZ | e P | Z | 05:38:00.7 | 77.6 | 35.4 | 1.7 | 148 | 5.8 |
| | e pP | Z | 05:38:20.6 | | | | | |
| MOX | e P | Z | 05:38:00.9 | 77.6 | 35.0 | 1.5 | 125 | 5.8 |
| | e pP | Z | 05:38:20.7 | | | | | |
| WERN | e P | Z | 05:38:01.1 | 77.6 | 35.5 | 1.4 | 93 | 5.7 |
| UBBA | e P | Z | 05:38:03.1 | 78.1 | 34.0 | 1.8 | 177 | 5.9 |
| | e pP | Z | 05:38:23.1 | | | | | |
| ROTZ | e P | Z | 05:38:04.1 | 78.1 | 35.3 | 1.6 | 196 | 6.0 |
| | e PcP | Z | 05:38:12.8 | | | | | |
| | e pP | Z | 05:38:24.3 | | | | | |
| GEC2 | e P | Z | 05:38:04.4 | 78.3 | 36.1 | 1.2 | 60 | 5.5 |
| | e PcP | Z | 05:38:14.1 | | | | | |
| WET | e P | Z | 05:38:05.3 | 78.4 | 35.7 | 1.7 | 209 | 5.9 |
| BUG | e P | Z | 05:38:05.4 | 78.5 | 32.2 | 1.9 | 302 | 6.0 |
| | e pP | Z | 05:38:24.8 | | | | | |
| | e sP | Z | 05:38:33.1 | | | | | |
| GRA1 | e P | Z | 05:38:06.4 | 78.5 | 34.6 | 1.9 | 669 | 6.3 |
| | e pP | Z | 05:38:26.4 | | | | | |
| | e PP | Z | 05:41:01.8 | | | | | |
| | e S | T | 05:48:00.1 | | | | | |

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| | | | | | | | | |
|------|------|---|------------|------|------|-----|-----|-----|
| TNS | e P | Z | 05:38:09.1 | 79.1 | 32.9 | 1.5 | 167 | 5.8 |
| | e pP | Z | 05:38:29.4 | | | | | |
| | e sP | Z | 05:38:36.7 | | | | | |
| RJOB | e P | Z | 05:38:11.8 | 79.6 | 35.4 | 1.9 | 322 | 5.9 |
| FUR | e P | Z | 05:38:12.8 | 79.8 | 34.5 | 2.0 | 609 | 6.2 |
| | e pP | Z | 05:38:33.3 | | | | | |
| STU | e P | Z | 05:38:14.1 | 80.1 | 33.2 | 1.9 | 342 | 6.0 |
| WLF | e P | Z | 05:38:15.9 | 80.4 | 31.3 | 2.2 | 318 | 6.0 |
| | e sP | Z | 05:38:43.5 | | | | | |
| BFO | e P | Z | 05:38:17.7 | 80.7 | 32.6 | 1.5 | 159 | 5.8 |
| | e pP | Z | 05:38:37.9 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|-----------------|-------------|---------|----------|-------|----|----|----|--------|
| 2008/04/29 | 07:59:36.5 | 20.450S | 169.570E | 33.0N | | | | SZGRF |
| Vanuatu Islands | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| TANN | e PKPbc | Z | 08:19:09.2 | 145.0 | 39.5 | | | | | |
| WERD | e PKPbc | Z | 08:19:09.3 | 145.1 | 39.2 | | | | | |
| GUNZ | e PKPbc | Z | 08:19:09.7 | 145.1 | 39.3 | | | | | |
| WERN | e PKPbc | Z | 08:19:09.8 | 145.1 | 39.5 | | | | | |
| ROTZ | e PKPbc | Z | 08:19:11.4 | 145.6 | 39.7 | | | | | |
| UBBA | e PKPbc | Z | 08:19:11.3 | 145.6 | 35.4 | | | | | |
| GEC2 | e PKPbc | Z | 08:19:11.1 | 145.7 | 42.8 | | | | | |
| WET | e PKPbc | Z | 08:19:11.9 | 145.8 | 41.3 | | | | | |
| GRA1 | e PKPbc | Z | 08:19:12.7 | 146.1 | 38.3 | | | | | |
| RJOB | e PKPbc | Z | 08:19:15.2 | 146.9 | 42.6 | | | | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|---------------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/29 | 09:55:12.2 | 31.620N | 159.750E | 33.0N | 5.0 | | | SZGRF |
| North Pacific Ocean | | | | | | | | |

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|------|------|-------|-----|----|----|
| CLL | e P | Z | 10:08:20.9 | 92.1 | 27.9 | 1.3 | 12 | 5.0 | | |
| BRG | e P | Z | 10:08:21.6 | 92.2 | 28.6 | 0.8 | 5 | 4.9 | | |
| PST | e P | Z | 10:08:24.0 | 92.7 | 27.3 | | | | | |
| TANN | e P | Z | 10:08:25.3 | 93.0 | 27.4 | 1.3 | 5 | 4.7 | | |
| GUNZ | e P | Z | 10:08:25.6 | 93.1 | 27.3 | | | | | |
| WERN | e P | Z | 10:08:26.1 | 93.1 | 27.4 | | | | | |
| NKC | e P | Z | 10:08:26.0 | 93.2 | 27.4 | | | | | |
| WET | e P | Z | 10:08:30.2 | 94.0 | 27.8 | 0.9 | 4 | 4.9 | | |
| GRA1 | e P | Z | 10:08:29.7 | 94.0 | 26.5 | | | | | |
| RJOB | e P | Z | 10:08:35.7 | 95.3 | 27.8 | 0.9 | 12 | 5.2 | | |
| WLF | e P | Z | 10:08:36.3 | 95.4 | 22.4 | 1.5 | 22 | 5.3 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| 2008/04/29 | 10:56:34.7 | 18.340N | 102.260W | 33.0G | 5.4 | | | SZGRF |

Michoacan, Mexico

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| WLF | e P | Z | 11:09:19.4 | 87.4 | 295.6 | 1.1 | 50 | 5.5 | | |
| BSEG | e P | Z | 11:09:21.4 | 87.7 | 298.7 | 1.1 | 32 | 5.4 | | |
| NRDL | e P | Z | 11:09:23.7 | 88.3 | 298.6 | 1.0 | 26 | 5.5 | | |
| TNS | e P | Z | 11:09:24.5 | 88.4 | 297.4 | 1.1 | 52 | 5.8 | | |
| CLZ | e P | Z | 11:09:26.3 | 88.8 | 298.8 | 1.2 | 50 | 5.7 | | |
| UBBA | e P | Z | 11:09:27.1 | 89.0 | 298.5 | 1.5 | 20 | 5.2 | | |
| BFO | e P | Z | 11:09:28.0 | 89.2 | 297.3 | 1.3 | 20 | 5.3 | | |
| STU | e P | Z | 11:09:30.6 | 89.6 | 297.9 | 0.7 | 20 | 5.4 | | |
| MOX | e P | Z | 11:09:32.2 | 90.0 | 299.8 | | | | | |
| GRA1 | e P | Z | 11:09:33.6 | 90.3 | 299.5 | 1.0 | 32 | 5.5 | | |
| CLL | e P | Z | 11:09:33.8 | 90.4 | 300.9 | 1.2 | 15 | 5.1 | | |
| TANN | e P | Z | 11:09:34.6 | 90.6 | 300.4 | 1.3 | 20 | 5.2 | | |
| ROTZ | e P | Z | 11:09:35.8 | 90.8 | 300.2 | 1.5 | 20 | 5.1 | | |
| BRG | e P | Z | 11:09:37.3 | 91.2 | 301.6 | 1.4 | 24 | 5.2 | | |
| WET | e P | Z | 11:09:38.9 | 91.5 | 300.7 | 1.3 | 24 | 5.4 | | |
| GEC2 | e P | Z | 11:09:41.3 | 92.1 | 301.4 | 2.4 | 46 | 5.4 | | |
| RJOB | e P | Z | 11:09:41.9 | 92.1 | 300.6 | 1.4 | 11 | 5.0 | | |

| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
|------------|-------------|---------|----------|-------|-----|-----|----|--------|
| 2008/04/30 | 03:03: 6.5 | 41.320N | 124.780W | 35.2 | 5.3 | 5.1 | | SZGRF |

Near coast of northern California, United States

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|---|------------|------|-------|------|-------|-----|----|----|
| BSEG | e P | Z | 03:14:59.7 | 77.3 | 327.1 | 1.2 | 76 | 5.7 | | |
| | e pP | Z | 03:15:09.6 | | | | | | | |
| IBBN | e P | Z | 03:15:02.1 | 77.8 | 325.5 | 1.4 | 79 | 5.7 | | |
| NRDL | e P | Z | 03:15:05.7 | 78.4 | 327.1 | 1.2 | 41 | 5.3 | | |
| CLZ | e P | Z | 03:15:09.8 | 79.0 | 327.4 | 1.2 | 79 | 5.6 | | |
| | e pP | Z | 03:15:19.9 | | | | | | | |
| WLF | e P | Z | 03:15:10.9 | 79.3 | 324.7 | 1.1 | 30 | 5.1 | | |
| RUE | e P | Z | 03:15:12.4 | 79.6 | 329.6 | 1.4 | 53 | 5.3 | | |
| TNS | e P | Z | 03:15:12.7 | 79.7 | 326.2 | 1.3 | 34 | 5.1 | | |
| UBBA | e P | Z | 03:15:13.3 | 79.8 | 327.2 | 1.5 | 31 | 5.0 | | |
| CLL | e P | Z | 03:15:16.1 | 80.3 | 329.2 | 1.1 | 44 | 5.4 | | |
| | e pP | Z | 03:15:26.5 | | | | | | | |
| MOX | e P | Z | 03:15:16.8 | 80.5 | 328.3 | 1.2 | 32 | 5.2 | | |
| PST | e P | Z | 03:15:16.8 | 80.5 | 328.7 | 1.0 | 27 | 5.2 | | |
| WERD | e P | Z | 03:15:18.9 | 80.9 | 328.8 | 1.3 | 16 | 4.9 | | |
| TANN | e P | Z | 03:15:19.4 | 80.9 | 328.9 | 1.6 | 29 | 5.1 | | |
| GUNZ | e P | Z | 03:15:19.4 | 80.9 | 328.8 | 1.5 | 38 | 5.2 | | |

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| | | | | | | | | |
|------|------|---|------------|------|-------|------|-----|-----|
| WERN | e P | Z | 03:15:19.9 | 81.0 | 328.9 | 1.4 | 37 | 5.2 |
| BRG | e P | Z | 03:15:20.1 | 81.0 | 329.9 | 1.1 | 53 | 5.5 |
| GRA1 | e P | Z | 03:15:20.8 | 81.1 | 328.1 | 1.2 | 58 | 5.5 |
| | e pP | Z | 03:15:31.1 | | | | | |
| | e L | Z | 03:52:55.8 | | | 18.6 | 843 | 5.1 |
| BFO | e P | Z | 03:15:21.2 | 81.3 | 326.3 | 1.2 | 38 | 5.4 |
| ROTZ | e P | Z | 03:15:22.1 | 81.4 | 328.8 | 1.2 | 25 | 5.2 |
| WET | e P | Z | 03:15:25.9 | 82.2 | 329.3 | 1.3 | 17 | 5.1 |
| FUR | e P | Z | 03:15:27.8 | 82.5 | 328.3 | 1.2 | 30 | 5.4 |
| GEC2 | e P | Z | 03:15:28.8 | 82.7 | 329.9 | 2.1 | 51 | 5.4 |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/30 11:28: 9.9 18.550S 174.910E 19.7
 Fiji Islands region

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|----------|---|------------|-------|------|------|-------|----|----|----|
| WERD | e PKPbc | Z | 11:47:45.2 | 145.2 | 29.8 | | | | | |
| | e pPKPbc | Z | 11:47:50.9 | | | | | | | |
| GUNZ | e PKPbc | Z | 11:47:45.5 | 145.3 | 29.9 | | | | | |
| WERN | e PKPbc | Z | 11:47:45.4 | 145.3 | 30.0 | | | | | |
| | e pPKPbc | Z | 11:47:51.4 | | | | | | | |
| ROTZ | e PKPbc | Z | 11:47:47.7 | 145.8 | 30.1 | | | | | |
| GEC2 | e PKPbc | Z | 11:47:48.0 | 146.1 | 33.2 | | | | | |
| | e pPKPbc | Z | 11:47:53.8 | | | | | | | |
| WET | e PKPbc | Z | 11:47:48.5 | 146.2 | 31.7 | | | | | |
| GRA1 | e PKPbc | Z | 11:47:48.5 | 146.2 | 28.6 | | | | | |
| TNS | e PKPbc | Z | 11:47:49.2 | 146.5 | 23.7 | | | | | |
| WLF | e PKPbc | Z | 11:47:52.7 | 147.6 | 20.2 | | | | | |
| | e pPKPbc | Z | 11:47:58.7 | | | | | | | |
| BFO | e PKPbc | Z | 11:47:54.2 | 148.3 | 24.7 | | | | | |

Date Origin Time Lat Long Depth mb Ms ML Source
 2008/04/30 13:06: 9.4 29.700S 178.600W 176.0
 Kermadec Islands, New Zealand

| Sta | Phase | | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|---------|---|------------|-------|------|------|-------|----|----|----|
| BSEG | e PKPab | Z | 13:26:06.3 | 154.9 | 18.5 | | | | | |
| NRDL | e PKPab | Z | 13:26:12.0 | 156.3 | 19.1 | | | | | |
| CLL | e PKPab | Z | 13:26:13.8 | 156.7 | 26.2 | | | | | |
| BRG | e PKPab | Z | 13:26:14.4 | 156.8 | 28.7 | | | | | |
| CLZ | e PKPab | Z | 13:26:14.6 | 156.9 | 20.2 | | | | | |
| IBBN | e PKPab | Z | 13:26:15.1 | 156.9 | 14.2 | | | | | |
| PST | e PKPab | Z | 13:26:16.9 | 157.3 | 25.1 | | | | | |
| TANN | e PKPab | Z | 13:26:18.3 | 157.7 | 26.0 | | | | | |
| WERD | e PKPab | Z | 13:26:18.4 | 157.7 | 25.7 | | | | | |

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| | | | | | | |
|------|---|-------|---|------------|-------|------|
| MOX | e | PKPab | Z | 13:26:18.1 | 157.7 | 24.0 |
| GUNZ | e | PKPab | Z | 13:26:18.9 | 157.8 | 25.8 |
| WERN | e | PKPab | Z | 13:26:18.8 | 157.8 | 26.0 |
| ROTZ | e | PKPab | Z | 13:26:21.4 | 158.3 | 26.2 |
| GRA1 | e | PKPab | Z | 13:26:22.7 | 158.7 | 24.0 |
| GEC2 | e | PKPab | Z | 13:26:22.4 | 158.7 | 30.6 |
| TNS | e | PKPab | Z | 13:26:23.2 | 158.8 | 17.1 |
| RJOB | e | PKPab | Z | 13:26:28.2 | 159.9 | 30.0 |
| BFO | e | PKPab | Z | 13:26:30.8 | 160.6 | 18.4 |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/30 | 15:05:27.6 | 48.500N | 151.500E | 33.0N | 5.2 | | | SZGRF |

Kuril Islands, Russia

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| BSEG | e P | Z 15:16:54.1 | 72.5 | 25.8 | 1.2 | 15 | 5.0 | | |
| NRDL | e P | Z 15:17:02.0 | 73.8 | 25.5 | 0.9 | 13 | 5.0 | | |
| CLL | e P | Z 15:17:03.0 | 74.1 | 27.2 | 0.8 | 27 | 5.3 | | |
| BRG | e P | Z 15:17:03.6 | 74.2 | 27.7 | | | | | |
| CLZ | e P | Z 15:17:05.5 | 74.3 | 25.6 | 0.9 | 29 | 5.3 | | |
| PST | e P | Z 15:17:06.7 | 74.7 | 26.6 | 0.9 | 20 | 5.1 | | |
| WERD | e P | Z 15:17:08.8 | 75.0 | 26.6 | 1.0 | 10 | 4.8 | | |
| MOX | e P | Z 15:17:08.9 | 75.1 | 26.2 | 1.0 | 14 | 5.0 | | |
| GUNZ | e P | Z 15:17:09.7 | 75.1 | 26.6 | 0.9 | 15 | 5.0 | | |
| WERN | e P | Z 15:17:09.9 | 75.2 | 26.7 | 0.9 | 19 | 5.2 | | |
| ROTZ | e P | Z 15:17:13.1 | 75.7 | 26.5 | 1.1 | 18 | 5.1 | | |
| GRA1 | e P | Z 15:17:15.1 | 76.0 | 25.9 | 0.8 | 40 | 5.6 | | |
| WET | e P | Z 15:17:15.2 | 76.0 | 26.8 | 1.0 | 23 | 5.3 | | |
| GEC2 | e P | Z 15:17:14.5 | 76.1 | 27.3 | | | | | |
| TNS | e P | Z 15:17:15.9 | 76.3 | 24.2 | 0.8 | 40 | 5.6 | | |
| RJOB | e P | Z 15:17:22.0 | 77.3 | 26.6 | 0.9 | 14 | 5.1 | | |
| FUR | e P | Z 15:17:22.7 | 77.4 | 25.7 | 0.9 | 30 | 5.4 | | |
| STU | e P | Z 15:17:22.2 | 77.4 | 24.5 | 0.8 | 18 | 5.2 | | |
| BFO | e P | Z 15:17:25.8 | 78.1 | 24.0 | 0.9 | 20 | 5.2 | | |

| | | | | | | | | |
|------------|-------------|-----|------|-------|----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/30 | | | | | | | | |

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|-----|------|-------|----|----|----|
| GRA1 | e PKP | Z 19:35:01.6 | | | | | | | |

| | | | | | | | | |
|------------|-------------|---------|----------|-------|-----|----|----|--------|
| Date | Origin Time | Lat | Long | Depth | mb | Ms | ML | Source |
| 2008/04/30 | 22:34: 8.6 | 35.704N | 141.126E | 33.0N | 4.9 | | | SZGRF |

Near east coast of eastern Honshu, Japan

| Sta | Phase | Time | Dist | BAz | T[s] | A[nm] | mb | MS | ML |
|------|-------|--------------|------|------|------|-------|-----|----|----|
| GRA1 | e P | Z 22:46:35.1 | 83.8 | 38.8 | 1.0 | 8 | 4.9 | | |

Format description

=====

(K. Klinge Email:klinge@szgrf.bgr.de and A. Schick)

In general all regional and teleseismic events clearly recorded with GRF-Array stations and stronger events recorded with stations of the German Regional Seismological Network (GRSN) are included in this bulletin. Each event is reported by several EPICENTER LINES with possible COMMENT LINES, a REGION LINE and a block of PHASE LINES.

EPICENTER LINES:

The epicenter locations of several authorities can be reported. The epicenter location with the highest priority (i.e. the most reliable one) is written in the undermost EPICENTER LINE. The REGION LINE and all origin related parameter in the PHASE LINES (i.e. Def, Dist, EvAz) are determined regarding this epicenter location with the highest priority.

| | |
|-------------|---|
| Date | Date of the event |
| Origin Time | Origin time of the event |
| Lat | Geographic latitude (N/S) of epicenter in degree |
| Long | Geographic longitude (E/W) of epicenter in degree |
| Depth | Depth of the hypocenter beneath the surface in kilometer |
| | Appended flag indicates the method by which the depth was determined: |
| | BLANK - free |
| | N - preset depth of 33 kilometer |
| | G - geophysicist preset depth |
| mb, Ms, ML | Magnitudes of the event and magnitude type |
| Source | Abbreviations for the authority (e.g. SZGRF, NEIC, GFZ, SED, MAD) |

COMMENT LINE:

Each EPICENTER LINE can be followed by a COMMENT LINE about interesting topics submitted by the preceding authority.

REGION LINE:

The region name of the epicenter location with the highest priority (undermost EPICENTER LINE).

PHASE LINE:

| | |
|-------|---|
| Sta | Station code of the reported phase |
| Phase | Preceded flag for the sharpness of the onset of the phase |
| | e - emergent |

i - impulsive
w - weak
ISC phase code
Component where the phase was picked

Time Arrival time of the reported phase
Dist Distance from the epicenter location with the highest priority to the station in kilometer
BAz Backazimuth from the epicenter location with the highest priority to the station in degree
T[s] Phase Period
A[nm] Phase Amplitude
mb Body wave magnitude
MS Surface wave magnitude
ML Local Richter magnitude