

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
 2003/11/01 05:06:28.3 +- 0.72 51.519N 16.236E 14.5 5.6 168 1G 14 9 306 3.0ML SZGRF I

POLAND

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| BRG | e Pg Z | 05:06:57.4 | -0.5 | T | | 175.2 | 246.7 | ML 2.7 |
| | e Sg N | 05:07:17.9 | -0.5 | T | | | | |
| CLL | e Pn Z | 05:07:02.5 | -0.2 | T | | 225.4 | 265.3 | ML 2.7 |
| | e Sg N | 05:07:32.8 | 0.1 | T | | | | |
| TANN | e Pn Z | 05:07:11.5 | 0.8 | T | | 291.4 | 246.6 | ML 3.0 |
| | e Sg E | 05:07:52.0 | 0.5 | T | | | | |
| WERD | e Pn Z | 05:07:12.5 | 0.7 | T | | 299.7 | 248.1 | ML 2.9 |
| | e Sg N | 05:07:54.7 | 0.8 | T | | | | |
| GUNZ | e Pn Z | 05:07:13.3 | 1.2 | T | | 302.2 | 246.4 | ML 3.2 |
| MOX | e Pn Z | 05:07:18.3 | 2.0 | T | | 337.0 | 255.0 | ML 3.2 |
| | e Sg N | 05:08:05.3 | 0.7 | T | | | | |
| GEC2 | e Pn Z | 05:07:18.8 | 1.2 | T | | 347.7 | 212.2 | ML 3.1 |
| WET | e Pn Z | 05:07:19.5 | 0.9 | T | | 355.6 | 223.4 | ML 3.1 |
| GRA1 | e Sg N | 05:08:24.4 | -0.4 | T | | 407.9 | 242.1 | ML 3.5 |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|---------|----------------|---------------|--------|--------|-----|-----------|-------|------|------|-----|--------------|-----|------------|----------|
| 2003/11/02 | 21:30:41.2 | +- 0.83 | 51.621N | 7.860E | | | | 1G | | 9 | 5 | 328 | 2.0ML | | BENS | I |
| 2003/11/02 | 21:30:41.4 | +- 1.12 | 51.655N | 7.647E | 20.0 | 6.7 | 163 | 1G | | 5 | 4 | 214 | 1.9ML | BUG | BGR | I |
| 2003/11/02 | 21:30:39.7 | | 51.623N | 7.771E | | | | 1G | | | | | 1.8ML | | BUG | I |

Hamm/Westfalen, Ruhr Coal Mining District

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|----------|------------|------|-----|-----|-------|-------|--------|
| BUG | e Pg - Z | 21:30:47.5 | 1.0 | TA | | 40.2 | 239.9 | ML 1.8 |
| HOB | e Pg Z | 21:30:54.3 | 1.5 | | | 77.3 | 203.3 | |
| | e Sg E | 21:31:05.1 | 3.3 | | | | | |
| BNS | e Pg Z | 21:30:56.5 | 2.6 | | | 84.2 | 209.6 | |
| | e Sg N | 21:31:07.2 | 3.4 | | | | | |
| STB | e Pg Z | 21:31:03.7 | 1.7 | | | 131.6 | 210.0 | |
| | e Sg N | 21:31:20.0 | 2.7 | | | | | |
| KLL | e Pg Z | 21:31:06.1 | 1.2 | | | 148.8 | 223.7 | |
| | e Sg E | 21:31:23.7 | 1.5 | | | | | |
| BGG | e Sg E | 21:31:25.9 | 0.3 | | | 160.4 | 191.1 | |
| TNS | e (Pg) Z | 21:31:09.3 | 2.0 | | | 162.8 | 162.8 | |
| CLZ | e Sg N | 21:31:35.1 | 3.7 | | | 180.8 | 81.3 | |
| MOX | e (Pg) Z | 21:31:32.7 | 4.0 | | | 289.4 | 110.6 | |
| | e Sg N | 21:32:07.4 | 5.0 | | | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|---------|----------------|---------------|--------|--------|-----|-----------|-------|-----------|-----------|-----|--------------|-----|------------|----------|
| 2003/11/03 | 18:04:48.2 | +- 0.66 | 48.390N | 6.737E | 10.0 | 5.6 | 34 | 10G | | 19 | 10 | 250 | 3.0ML | | SZGRF | L |
| 2003/11/03 | 18:04:48.0 | +- 0.55 | 48.403N | 6.776E | 4.4 | 3.3 | 31 | 10G | | 25 | 12 | 248 | 2.6ML | WLF | BGR | L |
| 2003/11/03 | 18:04:47.4 | +- 0.50 | 48.330N | 6.700E | 6.0 | 3.0 | 113 | 10G | | 43 | 21 | 195 | 3.0ML | | LED | L |
| 2003/11/03 | 18:04:46.7 | | 48.324N | 6.645E | | | | 10 | | 96 | 35 | | 3.4ML | | LDG | L |

Epinal-N/F, Rambervillers

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|------|------|-----|
| WLS | e Pg + | 18:04:55.8 | -0.1 | | | 53.3 | 79.1 | |

| | | | | | | | | | | |
|------|---|----|---|------------|------|------|-------|-------|----|-----|
| | e | Sg | | 18:05:02.2 | -0.0 | | | | | |
| MOF | e | Pg | - | 18:04:57.8 | 0.2 | | 63.9 | 145.2 | | |
| LIBD | e | Pg | | 18:04:59.8 | 0.5 | | 73.5 | 104.9 | | |
| FBB | e | Pn | | 18:05:03.3 | -1.1 | | 96.5 | 111.4 | | |
| KIZ | e | Pn | - | 18:05:03.6 | -1.5 | | 103.0 | 113.0 | ML | 3.2 |
| | e | Pg | | 18:05:04.1 | -0.1 | | | | | |
| | e | Sg | | 18:05:16.5 | 0.2 | | | | | |
| LOMF | e | Pn | - | 18:05:05.6 | -0.3 | | 109.1 | 172.8 | | |
| | e | Sn | | 18:05:19.1 | -0.3 | | | | | |
| LANF | e | Pn | - | 18:05:04.9 | -1.3 | | 112.2 | 49.0 | | |
| FELD | e | Pn | | 18:05:05.2 | -1.2 | | 112.6 | 115.8 | | |
| | e | Pg | | 18:05:05.9 | 0.0 | | | | | |
| BBS | i | Pn | + | 18:05:06.4 | -0.2 | | 115.3 | 145.7 | | |
| | e | Sn | | 18:05:20.2 | -0.5 | | | | | |
| BFO | e | Pg | Z | 18:05:06.6 | -1.2 | 31.7 | 124.5 | 89.1 | ML | 2.6 |
| | e | Sg | N | 18:05:21.5 | -0.9 | 12.3 | | | | |
| KTD | e | Pg | | 18:05:12.5 | -0.1 | | 152.8 | 43.0 | | |
| | e | Sg | | 18:05:30.5 | 0.1 | | | | | |
| WLF | e | Pn | Z | 18:05:12.0 | 0.7 | 1.1 | 153.3 | 346.6 | ML | 2.6 |
| | e | Pg | Z | 18:05:12.8 | 0.0 | 12.6 | | | | |
| | e | Sg | N | 18:05:30.2 | -0.4 | 5.1 | | | | |
| RUP | e | Pn | | 18:05:11.6 | -0.0 | | 156.1 | 11.0 | | |
| | e | Sg | | 18:05:30.5 | -0.9 | | | | | |
| SPAK | i | Pg | - | 18:05:14.1 | 0.2 | | 160.6 | 98.0 | | |
| LBG | e | Pn | - | 18:05:11.2 | -1.2 | | 162.8 | 75.8 | ML | 3.0 |
| | e | Pg | - | 18:05:14.2 | -0.1 | | | | | |
| | | Sn | | 18:05:29.0 | -1.8 | | | | | |
| | e | Sg | | 18:05:32.8 | -0.5 | | | | | |
| ABH | e | Pg | | 18:05:17.1 | -1.0 | | 185.2 | 20.4 | | |
| | e | Sg | | 18:05:38.6 | -1.1 | | | | | |
| GUT | e | Pn | | 18:05:14.2 | -1.0 | | 185.3 | 97.8 | ML | 3.0 |
| | e | Pg | | 18:05:18.1 | -0.0 | | | | | |
| | | Sg | | 18:05:39.6 | -0.1 | | | | | |
| SISB | e | Pg | | 18:05:18.6 | 0.3 | | 186.6 | 111.5 | ML | 3.0 |
| | e | Sg | | 18:05:40.2 | 0.1 | | | | | |
| STU | e | Pg | Z | 18:05:19.3 | -0.3 | 3.2 | 194.0 | 74.2 | ML | 3.0 |
| | e | Sg | N | 18:05:41.0 | -1.2 | 5.6 | | | | |
| BUCH | e | Pn | - | 18:05:16.1 | -1.0 | | 200.4 | 85.0 | ML | 2.6 |
| | e | Pg | | 18:05:20.7 | 0.0 | | | | | |
| | e | Sg | | 18:05:43.1 | -0.9 | | | | | |
| TOD | e | Pn | | 18:05:16.2 | -2.3 | | 212.4 | 47.1 | | |
| | e | Pg | | 18:05:22.1 | -0.6 | | | | | |
| | e | Sg | | 18:05:47.0 | -0.5 | | | | | |
| SIND | | Pn | | 18:05:21.2 | -1.2 | | 244.8 | 61.2 | ML | 3.2 |
| | e | Pg | | 18:05:27.3 | -0.9 | | | | | |
| | | Sg | | 18:05:56.8 | 0.1 | | | | | |
| TNS | e | Sg | N | 18:05:55.4 | -2.3 | 7.2 | 248.3 | 31.1 | ML | 3.2 |
| HDH | e | Pg | | 18:05:31.2 | -0.3 | | 264.2 | 82.4 | ML | 2.9 |
| | e | Sg | | 18:06:01.6 | -0.6 | | | | | |
| UBR | e | Pn | | 18:05:26.0 | 0.8 | | 267.4 | 104.2 | ML | 2.9 |
| | e | Pg | | 18:05:32.5 | 0.5 | | | | | |
| | e | Sg | | 18:06:03.6 | 0.5 | | | | | |
| FUR | e | Pg | Z | 18:05:45.0 | 0.0 | 2.0 | 343.3 | 91.3 | ML | 3.5 |
| | e | Sg | E | 18:06:24.6 | -0.2 | 3.0 | | | | |
| GRFO | e | Pg | Z | 18:05:48.9 | 0.0 | 2.1 | 366.6 | 63.8 | | |
| | e | Sg | E | 18:06:28.8 | -2.7 | 5.6 | | | | |
| GRA1 | e | Sg | E | 18:06:30.4 | -1.1 | | 366.8 | 63.8 | ML | 3.5 |
| UBBA | e | Pg | Z | 18:05:49.0 | -0.1 | 1.8 | 368.0 | 39.8 | | |

| | | | | | | | | | | | | | | | | | |
|------|---|------|---|------------|------|-----|-------|------|----|-----|--|--|--|--|--|--|--|
| MOX | e | Sg | N | 18:06:29.9 | -1.9 | 2.4 | | | | | | | | | | | |
| | e | Pg | Z | 18:05:59.6 | -2.1 | 4.4 | 442.0 | 52.4 | | | | | | | | | |
| | e | Sg | N | 18:06:50.9 | -2.1 | 4.5 | | | | | | | | | | | |
| WET | e | Pn | Z | 18:05:49.5 | 0.1 | 3.8 | 466.0 | 76.4 | ML | 3.1 | | | | | | | |
| | e | Pg | Z | 18:06:04.1 | -1.6 | 1.6 | | | | | | | | | | | |
| | e | (Sn) | N | 18:06:35.2 | 0.4 | | | | | | | | | | | | |
| | e | Sg | N | 18:06:57.7 | -2.2 | 5.1 | | | | | | | | | | | |
| GUNZ | e | Pg | Z | 18:06:05.6 | -0.8 | | 470.1 | 59.0 | | | | | | | | | |
| | e | Sg | N | 18:06:59.9 | -1.1 | | | | | | | | | | | | |
| GEC2 | e | Pn | Z | 18:05:56.9 | 0.7 | 4.4 | 522.1 | 81.0 | | | | | | | | | |
| | e | Pg | Z | 18:06:14.1 | -1.1 | 1.6 | | | | | | | | | | | |
| | e | (Sn) | N | 18:06:47.3 | 0.6 | | | | | | | | | | | | |
| | e | Sg | N | 18:07:13.6 | -2.3 | 4.2 | | | | | | | | | | | |
| CLL | e | Sg | N | 18:07:25.5 | -2.3 | 2.9 | 563.7 | 51.6 | | | | | | | | | |
| BRG | e | Pg | Z | 18:06:27.2 | -0.7 | 1.6 | 597.1 | 58.9 | | | | | | | | | |
| | e | Sg | N | 18:07:35.1 | -2.2 | 2.7 | | | | | | | | | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------|----------------|---------------|--------|--------|----|----------|-------|-----------|----------|-----|--------------|-----|------------|----------|
| 2003/11/04 | 04:19:05.7 | +/- 2.72 | 47.306N | 6.705E | 23.3 | 15.6 | 62 | 5G | | 5 | 4 | 321 | <2.0ML | | BGR | L |
| 2003/11/04 | 04:19:06.0 | | 47.348N | 6.868E | | | | 2 | | 12 | 4 | | 2.1ML | | LDG | L |

S of Montbeliard/F, Doubs Valley, French-Swiss border region

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-------|--------|------------|------|-----|-----|-------|------|-----|
| BOURR | e Sg E | 04:19:17.3 | 3.3 | | 4.8 | 27.9 | 79.1 | |
| SLE | e Pg Z | 04:19:30.1 | 2.0 | | 1.6 | 130.5 | 68.5 | |
| | e Sg N | 04:19:46.7 | 3.4 | | 2.4 | | | |
| WILA | e Sg N | 04:19:53.9 | 4.0 | | 1.5 | 153.7 | 86.5 | |
| BFO | e Sg E | 04:19:53.6 | 3.5 | | 1.5 | 154.3 | 44.4 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------|----------------|---------------|--------|--------|----|-----------|-------|-----------|-----------|-----|--------------|-----|------------|----------|
| 2003/11/04 | 16:42:44.1 | +/- 2.51 | 47.328N | 6.695E | 25.6 | 12.2 | 30 | 10G | | 4 | 3 | 304 | 1.8ML | BFO | BGR | L |
| 2003/11/04 | 16:42:46.4 | +/- 1.00 | 47.320N | 6.750E | 11.0 | 6.0 | 35 | 5G | | 14 | 9 | 255 | 2.3ML | | LED | L |
| 2003/11/04 | 16:42:44.9 | | 47.400N | 6.600E | | | | 10 | | | | | 1.2ML | | SED | |
| 2003/11/04 | 16:42:46.6 | | 47.344N | 6.721E | | | | 4G | | 55 | 21 | | 2.6ML | | LDG | L |

S of Montbeliard/F, Doubs Valley, French-Swiss border region

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| LOMF | e Pg + | 16:42:47.8 | -0.3 | | | 8.1 | 84.2 | |
| BBS | e Pg | 16:42:57.0 | 0.1 | | | 60.8 | 76.9 | |
| MOF | e Pg | 16:42:58.3 | 0.7 | | | 64.4 | 28.5 | |
| ECH | e Pg | 16:43:04.3 | 0.3 | | | 102.3 | 18.5 | |
| | e Sg | 16:43:16.2 | 0.3 | | | | | |
| THEF | e Pg | 16:43:05.8 | 0.2 | | | 112.3 | 331.4 | |
| | e Sg | 16:43:19.3 | 0.6 | | | | | |
| KIZ | e Pn | 16:43:05.6 | -1.3 | | | 112.6 | 52.3 | ML 2.3 |
| | e Sg | 16:43:19.4 | 0.6 | | | | | |
| FELD | e Pn | 16:43:05.4 | -1.6 | | | 112.9 | 57.9 | |
| | e Sg | 16:43:19.4 | 0.5 | | | | | |
| WLS | e Pn | 16:43:07.8 | -1.0 | | | 127.9 | 21.4 | |
| | e Sg | 16:43:23.6 | 0.5 | | | | | |
| BFO | e Pg Z | 16:43:12.0 | -2.2 | | 1.9 | 162.6 | 47.0 | ML 1.8 |
| | e Sg N | 16:43:32.0 | -1.0 | | 2.5 | | | |

| | | | | | | | | | | | |
|------|---|----|---|------------|------|-----|-------|-------|------|----|-----|
| SISB | e | Pg | | 16:43:15.7 | -0.1 | | | 172.7 | 76.4 | ML | 2.3 |
| | | Sg | | 16:43:36.2 | 0.3 | | | | | | |
| GUT | | Pg | | 16:43:16.4 | -3.6 | | | 196.5 | 64.8 | ML | 2.4 |
| | | Sg | | 16:43:42.6 | -0.2 | | | | | | |
| LBG | | Sg | | 16:43:47.7 | 0.2 | | | 212.9 | 45.7 | ML | 2.3 |
| BUCH | | Pn | | 16:43:27.8 | 6.4 | | | 231.5 | 56.9 | ML | 2.3 |
| | | Sg | | 16:43:53.1 | 0.3 | | | | | | |
| WLF | e | Sg | N | 16:43:59.6 | -1.7 | 2.2 | 261.4 | 351.0 | | | |
| SIND | | Sg | | 16:44:15.4 | 0.6 | | 308.4 | 42.6 | | ML | 2.3 |
| TNS | e | Sg | E | 16:44:22.4 | -2.5 | 1.5 | 344.2 | 20.9 | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|---------|--------|--------|-----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/04 | 16:46:51.0 | +/- 0.84 | 51.514N | 16.241E | 22.2 | 7.8 | 168 | 1G | | 10 | 8 | 306 | 3.5ML | | SZGRF | I |

POLAND

| Sta | Phase | | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|-------|----|------|------------|------|-----|-------|-------|--------|
| BRG | e | Pn | Z | 16:47:19.5 | 0.2 | T | 175.3 | 246.9 | ML 3.2 |
| | e | Sg | N | 16:47:40.4 | -0.7 | T | | | |
| CLL | e | Pn | Z | 16:47:25.8 | 0.4 | T | 225.7 | 265.4 | ML 3.3 |
| TANN | e | Pn | Z | 16:47:34.7 | 1.2 | T | 291.5 | 246.7 | ML 3.6 |
| | e | Sg | N | 16:48:14.3 | 0.0 | T | | | |
| WERD | e | Pn | Z | 16:47:35.8 | 1.3 | T | 299.8 | 248.2 | ML 3.6 |
| MOX | e | Sg | N | 16:48:28.8 | 1.5 | T | 337.2 | 255.2 | ML 3.9 |
| GEC2 | e | Pn | Z | 16:47:41.9 | 1.6 | T | 347.5 | 212.3 | |
| WET | e | Pn | Z | 16:47:42.4 | 1.1 | T | 355.5 | 223.5 | |
| GRA1 | e | Pn | Z | 16:47:49.4 | 1.7 | T | 407.9 | 242.2 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/05 | 10:49:01.1 | | 48.330N | 6.670E | | | | 5 | | | | | 2.2ML | | NEIC | |
| 2003/11/05 | 10:49:01.7 | +/- 0.69 | 48.344N | 6.705E | 8.9 | 4.4 | 61 | 5G | | 7 | 5 | 185 | 1.7ML | BFO | BGR | L |

St. Die/F, NW Vosges Mountains

| Sta | Phase | | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-------|-------|----|------|------------|------|-----|------|-------|-------|
| BOURR | e | Sg | E | 10:49:33.9 | -0.1 | T | 4.9 | 112.6 | 159.4 |
| BFO | e | Pg | Z | 10:49:22.5 | 0.4 | T | 1.5 | 120.1 | 90.1 |
| | e | Sg | E | 10:49:36.1 | 0.1 | T | 2.8 | | |
| SULZ | e | Sg | N | 10:49:41.6 | 0.2 | T | 1.0 | 138.6 | 130.3 |
| SLE | e | Pg | Z | 10:49:27.0 | 0.3 | T | 1.6 | 147.6 | 115.1 |
| | e | Sg | N | 10:49:43.6 | -0.4 | T | 2.6 | | |
| WLF | e | Sg | N | 10:49:45.2 | -0.1 | T | 2.7 | 152.3 | 344.9 |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/06 | 02:40:55.9 | | 49.151N | 6.897E | | | | 1G | | 34 | 17 | | 2.5ML | | LDG | I? |
| 2003/11/06 | 02:40:57.2 | +/- 0.51 | 49.187N | 6.917E | 8.9 | 4.4 | 43 | 1G | | 5 | 3 | 182 | 1.7ML | BFO | BGR | I |

Merlebach/F, SW of Saarbruecken, French-German border region

| Sta | Phase | | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|-------|----|------|------------|------|-----|------|------|-------|
| WLF | e | Pg | Z | 02:41:10.6 | 0.4 | T | 4.4 | 76.7 | 314.1 |
| | e | Sg | N | 02:41:19.0 | -0.1 | T | 2.9 | | |

| | | | | | | | | | | | |
|-----|---|----|---|------------|------|---|-----|-------|-------|----|-----|
| BFO | e | Pg | Z | 02:41:20.9 | -0.2 | T | 1.9 | 140.7 | 132.1 | ML | 1.7 |
| | e | Sg | N | 02:41:37.7 | 0.2 | T | 3.3 | | | | |
| TNS | e | Sg | N | 02:41:42.8 | 0.1 | T | 3.0 | 159.3 | 43.1 | ML | 2.0 |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|--------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/06 | 12:59:18.2 | | 47.490N | 6.750E | | | | 10 | | | | | 2.0ML | | NEIC | |

Montbeliard, Audincourt/F, S of Belfort

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/06 | 15:48:13.3 | | 48.260N | 5.630E | | | | 5 | | | | | 2.4ML | | NEIC | |
| 2003/11/06 | 15:48:17.2 | + - 1.60 | 48.355N | 5.943E | 17.8 | 7.8 | 58 | 5G | | 4 | 3 | 275 | 2.1ML | BFO | BGR | L |

Chatenois/Vosges/F

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|-------|------|--------|
| WLF | e Sg N | 15:48:58.9 | -0.2 | T | 2.2 | 146.4 | 5.9 | ML 2.2 |
| BFO | e Pn Z | 15:48:45.3 | 0.2 | T | 1.1 | 176.4 | 90.0 | ML 2.1 |
| | e Sg N | 15:49:07.5 | -0.1 | T | 3.0 | | | |
| TNS | e Sg E | 15:49:36.4 | 0.4 | T | 2.2 | 275.8 | 40.2 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|-----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/06 | 21:56:27.7 | | 50.772N | 6.622E | | | | 5G | | 6 | 4 | | 2.2ML | | LDG | L |
| 2003/11/06 | 21:56:27.9 | + - 0.77 | 50.752N | 6.706E | 11.1 | 6.7 | 111 | 5G | | 3 | 3 | 188 | 1.6ML | BUG | BGR | L |

Second of two events, 16 seconds apart

Euskirchen, SW of Bonn

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|-------|-------|--------|
| BUG | e Sg N | 21:56:52.7 | 0.1 | T | | 86.1 | 27.0 | ML 1.6 |
| WLF | e Sg E | 21:57:04.4 | 0.1 | T | | 127.2 | 198.3 | |
| TNS | e Sg E | 21:57:07.1 | 0.2 | T | | 136.5 | 114.9 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|-----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/06 | 22:00: 6.4 | + - 0.54 | 50.785N | 6.693E | 8.9 | 4.4 | 112 | 10G | | 7 | 4 | 191 | 2.0ML | | SZGRF | L |

Euskirchen

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|-------|-------|--------|
| BUG | e Pg Z | 22:00:19.9 | -0.6 | T | | 83.3 | 28.7 | ML 2.0 |
| | e Sg N | 22:00:30.6 | 0.3 | T | | | | |
| WLF | e Pg Z | 22:00:27.7 | -0.8 | T | | 130.4 | 197.4 | ML 1.9 |
| | e Sg N | 22:00:43.3 | -0.4 | T | | | | |
| TNS | e Pg Z | 22:00:29.7 | -0.2 | T | | 138.9 | 116.1 | ML 1.7 |
| | e Sg N | 22:00:45.8 | -0.3 | T | | | | |
| CLZ | e Sg N | 22:01:24.2 | -2.6 | T | | 281.4 | 63.9 | ML 2.3 |

| Date | Origin | Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|--------|-------------------|-----------------|----------------|---------------|------------|------------|------------|-----------|-------|-----------|----------|------------|--------------|------------|------------|----------|
| 2003/11/06 | | 22:00:06.3 | | 50.755N | 6.648E | | | | 7G | | 34 | 18 | | 2.4ML | | LDG | L |
| 2003/11/06 | | 22:00:06.4 | + - 0.54 | 50.785N | 6.693E | 8.9 | 4.4 | 112 | 10G | | 7 | 4 | 191 | 2.0ML | | SZGRF | L |
| 2003/11/06 | | 22:00:05.4 | + - 0.44 | 50.775N | 6.749E | 5.6 | 3.3 | 110 | 5G | | 10 | 6 | 182 | 2.0ML | BUG | BGR | L |

Euskirchen, SW of Bonn

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| BUG | e Pg Z | 22:00:20.0 | 0.7 | T | 1.4 | 82.4 | 25.9 | ML 2.0 |
| | e Sg N | 22:00:29.9 | 0.9 | T | 6.2 | | | |
| WLF | e Pg Z | 22:00:27.4 | -0.1 | T | 2.7 | 130.6 | 199.2 | ML 1.9 |
| | e Sg N | 22:00:42.4 | -0.3 | T | 3.4 | | | |
| TNS | e Pg Z | 22:00:29.2 | 0.9 | T | 1.3 | 134.9 | 116.4 | ML 1.7 |
| | e Sg E | 22:00:44.7 | 0.7 | T | 2.5 | | | |
| IBBN | e Pg Z | 22:00:35.8 | -0.8 | T | 1.4 | 184.1 | 21.9 | |
| | e Sg N | 22:00:57.9 | -0.0 | T | 1.5 | | | |
| UBBA | e Sg N | 22:01:10.2 | -0.5 | T | 2.1 | 228.6 | 87.5 | |
| CLZ | e Sg N | 22:01:24.3 | -0.6 | T | 2.4 | 278.3 | 63.4 | ML 2.3 |

| Date | Origin | Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|--------|------------|----------|---------|---------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/08 | | 22:01:12.8 | + - 0.94 | 50.041N | 18.363E | 12.2 | 8.9 | 20 | 1G | | 10 | 5 | 317 | 3.5ML | | SZGRF | I |

POLAND

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| BRG | e Pg Z | 22:02:05.6 | -2.5 | T | | 326.2 | 288.2 | ML 3.2 |
| | e Sg N | 22:02:46.3 | 0.3 | T | | | | |
| GEC2 | e Pn Z | 22:02:05.5 | 1.6 | T | | 362.2 | 250.2 | ML 3.6 |
| | e Sg N | 22:02:56.0 | -0.3 | T | | | | |
| CLL | e Pg Z | 22:02:18.2 | -2.9 | T | | 403.0 | 292.5 | ML 3.7 |
| | e Sg N | 22:03:08.2 | 0.3 | T | | | | |
| TANN | e Pn Z | 22:02:10.4 | -0.8 | T | | 421.8 | 277.9 | |
| | e Sg N | 22:03:13.8 | 0.5 | T | | | | |
| MOX | e Pn Z | 22:02:18.1 | -0.6 | T | | 483.3 | 280.6 | |
| | e Sg N | 22:03:31.8 | 0.9 | T | | | | |

| Date | Origin | Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|--------|-------------------|-----------------|----------------|---------------|-------------|------------|------------|------------|-------|-----------|-----------|------------|--------------|-----|------------|----------|
| 2003/11/09 | | 12:06:00.5 | | 47.265N | 9.613E | | | | 5 | | | | | 3.1ML | | NEIC | |
| 2003/11/09 | | 12:06:05.1 | | 47.297N | 9.454E | | | | 10G | | 33 | 19 | | 2.7ML | | LDG | L |
| 2003/11/09 | | 12:06:00.6 | | 47.200N | 9.600E | | | | 2 | | | | | 2.4ML | | SED | |
| 2003/11/09 | | 12:06:01.3 | + - 1.01 | 47.265N | 9.561E | 17.8 | 7.8 | 20 | 10G | | 11 | 8 | 238 | 2.4ML | | SZGRF | L |
| 2003/11/09 | | 12:06:01.9 | + - 0.90 | 47.220N | 9.650E | 10.0 | 5.0 | 350 | 10G | | 24 | 12 | 246 | 2.7ML | | LED | L |

Feldkirch/A, Swiss-Liechtenstein-Austrian border region

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| DAVA | e Pg Z | 12:06:04.7 | -0.8 | | | 18.9 | 66.8 | ML 2.3 |
| UBR | e Pg + | 12:06:12.6 | 0.1 | T | | 61.7 | 33.7 | ML 2.4 |
| | e Sg | 12:06:22.1 | 2.3 | T | | | | |
| SISB | e Pg + | 12:06:13.9 | -0.5 | T | | 73.1 | 315.4 | ML 2.5 |
| | e Sg | 12:06:23.5 | 0.5 | T | | | | |
| GUT | e Pg | 12:06:18.5 | -0.9 | T | | 102.7 | 337.2 | ML 2.8 |
| | e Sg | 12:06:31.3 | -0.1 | T | | | | |
| SPAK | e P | 12:06:22.1 | | T | | 117.5 | 326.9 | |

| | | | | | | | | | | | |
|------|---|----|---|------------|------|---|--|-------|-------|----|-----|
| BUCH | i | Pn | + | 12:06:24.3 | -0.4 | T | | 138.5 | 350.9 | ML | 2.8 |
| | e | Pg | | 12:06:25.2 | -0.2 | T | | | | | |
| | | Sn | | 12:06:41.6 | 0.8 | | | | | | |
| | e | Sg | | 12:06:42.7 | 1.2 | T | | | | | |
| FELD | e | Pn | | 12:06:25.2 | -0.1 | T | | 143.5 | 301.2 | | |
| KIZ | e | Pn | | 12:06:27.1 | 0.6 | T | | 153.5 | 302.9 | ML | 3.0 |
| | e | Pg | | 12:06:27.7 | -0.2 | T | | | | | |
| | e | Sg | | 12:06:45.6 | -0.3 | T | | | | | |
| SCE | e | Pg | | 12:06:28.3 | -0.3 | | | 157.1 | 96.6 | ML | 2.3 |
| | e | Sg | | 12:06:49.1 | 2.2 | | | | | | |
| HDH | e | Pn | + | 12:06:26.3 | -0.6 | T | | 157.3 | 15.1 | ML | 2.6 |
| | | Pg | | 12:06:28.1 | -0.5 | T | | | | | |
| | | Sn | | 12:06:45.3 | 0.6 | | | | | | |
| | e | Sg | | 12:06:48.0 | 1.1 | T | | | | | |
| BFO | e | Pg | Z | 12:06:26.9 | -1.8 | | | 158.0 | 321.8 | ML | 2.3 |
| FUR | e | Pg | Z | 12:06:29.2 | 0.0 | | | 160.6 | 48.6 | ML | 2.8 |
| | e | Sn | N | 12:06:48.2 | 2.7 | | | | | | |
| BBS | e | Sg | | 12:06:48.9 | 0.2 | T | | 163.6 | 280.4 | | |
| LBG | e | Pn | + | 12:06:28.5 | -0.3 | T | | 172.7 | 338.7 | ML | 2.8 |
| | e | Sn | | 12:06:47.5 | -0.6 | T | | | | | |
| | e | Sg | | 12:06:50.9 | -0.5 | T | | | | | |
| STU | e | Sn | N | 12:06:48.3 | -0.4 | | | 175.8 | 349.0 | | |
| SIND | e | Pn | + | 12:06:35.7 | -1.0 | T | | 236.7 | 359.2 | ML | 2.5 |
| | e | Sn | | 12:07:01.1 | -0.4 | T | | | | | |
| SWS | e | Pn | | 12:06:39.4 | -0.2 | T | | 261.3 | 344.8 | ML | 2.7 |
| | e | Sn | | 12:07:08.3 | 1.5 | | | | | | |
| | | Sg | | 12:07:16.1 | -0.5 | | | | | | |
| GRA1 | e | Pn | Z | 12:06:42.9 | -1.3 | | | 298.3 | 22.3 | | |
| WET | e | Pn | Z | 12:06:47.0 | 0.1 | | | 321.0 | 47.0 | ML | 2.6 |
| | e | Sn | N | 12:07:21.7 | 2.3 | | | | | | |
| GEC2 | e | Pn | Z | 12:06:51.5 | 0.9 | | | 351.2 | 57.5 | ML | 2.7 |
| | e | Sn | N | 12:07:29.1 | 3.4 | | | | | | |
| MOA | e | Sn | N | 12:07:31.4 | 5.1 | | | 353.5 | 76.9 | | |
| MOX | e | Pg | | 12:07:11.7 | 0.8 | | | 406.9 | 19.9 | | |
| | e | Sn | | 12:07:39.5 | 2.0 | | | | | | |
| | e | Sg | | 12:07:56.9 | -1.3 | | | | | | |
| BRG | e | Sg | | 12:08:26.6 | -1.8 | | | 512.5 | 36.0 | | |
| CLL | e | Sg | | 12:08:31.0 | 1.8 | | | 515.4 | 26.9 | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------------|----------------|---------------|------------|------------|------------|-----------|-------|-----------|----------|------------|--------------|-------------|------------|----------|
| 2003/11/10 | 00:22:34.8 | | 53.382N | 6.314E | | | | 10 | | | | | 3.1ML | | NEIC | |
| 2003/11/10 | 00:22:37.5 | | 53.465N | 6.539E | | | | 8G | | 46 | 26 | | 3.1ML | | LDG | L |
| 2003/11/10 | 00:22:40.6 | +- 0.63 | 53.146N | 6.629E | | | | 1G | | 9 | 6 | 340 | 2.7ML | | BENS | I |
| 2003/11/10 | 00:22:39.6 | +- 0.81 | 53.335N | 6.704E | 15.6 | 5.6 | 103 | 1G | | 11 | 8 | 216 | 2.8ML | | SZGRF | I |
| 2003/11/10 | 00:22:37.3 | +- 0.54 | 53.384N | 6.513E | 5.6 | 4.4 | 115 | 1G | | 23 | 9 | 251 | 3.0ML | IBBN | BGR | I |

Groningen/NL

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|-------|--------------|------|-----|-----|-------|-------|--------|
| WIT | e Pg | Z 00:22:49.8 | 1.6 | | | 64.3 | 170.6 | |
| HLG | e Sn | E 00:23:16.2 | 0.8 | | | 126.5 | 44.8 | ML 2.6 |
| IBBN | e Pg | Z 00:23:01.5 | -0.6 | T | 2.4 | 146.0 | 144.6 | ML 3.0 |
| | e Sg | E 00:23:18.7 | -0.3 | T | 3.4 | | | |
| BUG | e Pn | Z 00:23:10.6 | -0.7 | T | 1.8 | 222.1 | 166.3 | ML 2.9 |
| | e Pg | Z 00:23:14.9 | -0.1 | T | 3.7 | | | |
| | e Sn | E 00:23:35.8 | 0.2 | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------|---|------|---|------------|------|---|-----|-------|-------|----|-----|--|--|--|--|--|--|--|--|
| BSEG | e | Sg | E | 00:23:40.9 | 0.1 | T | 2.6 | | | | | | | | | | | | |
| | e | Pn | Z | 00:23:15.7 | 0.0 | T | 2.0 | 258.0 | 74.7 | | | | | | | | | | |
| | e | Pg | Z | 00:23:20.0 | -1.0 | T | 3.1 | | | | | | | | | | | | |
| | e | (Sn) | E | 00:23:40.7 | -2.5 | | 0.8 | | | | | | | | | | | | |
| NRDL | e | Pn | Z | 00:23:16.0 | -0.0 | T | 2.9 | 260.3 | 110.9 | | | | | | | | | | |
| | e | Pg | Z | 00:23:20.9 | -0.6 | T | 2.7 | | | | | | | | | | | | |
| | e | Sn | N | 00:23:42.7 | -1.0 | T | 1.8 | | | | | | | | | | | | |
| HOB | e | Pn | Z | 00:23:16.8 | -0.7 | | | 272.7 | 167.8 | | | | | | | | | | |
| | e | Sn | E | 00:23:45.5 | -0.8 | | | | | | | | | | | | | | |
| BNS | e | Pn | Z | 00:23:17.1 | -0.4 | | | 272.9 | 170.2 | | | | | | | | | | |
| KLL | e | Pn | Z | 00:23:20.1 | -1.3 | | | 304.6 | 182.7 | | | | | | | | | | |
| | i | Sn | N | 00:23:51.3 | -1.8 | | | | | | | | | | | | | | |
| STB | e | Pn | Z | 00:23:21.2 | -1.0 | | | 311.1 | 175.7 | | | | | | | | | | |
| | e | Sn | N | 00:23:53.6 | -0.8 | | | | | | | | | | | | | | |
| CLZ | e | Pn | Z | 00:23:21.6 | -0.7 | T | 2.2 | 311.9 | 121.8 | | | | | | | | | | |
| | e | Sn | E | 00:23:54.0 | -0.6 | T | 2.6 | | | | | | | | | | | | |
| | e | Sg | E | 00:24:07.6 | 1.2 | T | 0.8 | | | | | | | | | | | | |
| BGG | e | Pn | Z | 00:23:27.3 | -0.6 | | | 357.8 | 170.6 | | | | | | | | | | |
| UBBA | e | Pn | Z | 00:23:29.9 | 0.3 | T | 1.3 | 371.5 | 138.7 | | | | | | | | | | |
| | e | Pg | Z | 00:23:42.0 | 1.7 | T | 1.3 | | | | | | | | | | | | |
| | e | (Sn) | Z | 00:24:02.4 | -4.8 | | 1.4 | | | | | | | | | | | | |
| | e | Sg | E | 00:24:23.9 | 0.4 | T | 1.4 | | | | | | | | | | | | |
| TNS | e | Pn | Z | 00:23:30.4 | 0.3 | T | 6.5 | 375.8 | 158.5 | ML | 3.1 | | | | | | | | |
| | e | Sg | E | 00:24:23.9 | -0.8 | T | 1.3 | | | | | | | | | | | | |
| WLF | e | Pn | Z | 00:23:34.8 | 0.0 | T | 1.2 | 414.3 | 183.6 | | | | | | | | | | |
| | e | Pg | Z | 00:23:47.3 | -0.2 | T | 1.6 | | | | | | | | | | | | |
| | e | Sg | E | 00:24:35.3 | -0.4 | T | 2.1 | | | | | | | | | | | | |
| BFO | e | Pn | Z | 00:23:54.2 | -0.3 | T | 1.8 | 576.2 | 166.5 | | | | | | | | | | |
| BRG | e | Pn | Z | 00:23:55.0 | 0.2 | | | 578.5 | 115.9 | | | | | | | | | | |

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2003/11/11 12:57:34.9 +- 0.48 49.552N 6.632E 7.8 4.4 13 1G 5 3 153 2.0ML TNS BGR I

Merzig, NW of Saarbruecken, Luxembourg-French-German border

| Sta | Phase | | Time | TRes | Def | S/N | Dist | EvAz | Mag | | |
|-----|-------|----|------|------------|------|-----|------|-------|-------|----|-----|
| WLF | e | Pg | Z | 12:57:41.3 | 0.1 | T | 1.3 | 36.8 | 290.1 | | |
| | e | Sg | E | 12:57:45.5 | 0.1 | T | 7.1 | | | | |
| TNS | e | Pg | Z | 12:58:00.2 | -0.1 | T | 5.6 | 149.9 | 59.5 | ML | 2.0 |
| | e | Sg | N | 12:58:18.0 | 0.2 | T | 3.0 | | | | |
| BFO | e | Sg | N | 12:58:27.6 | 0.1 | T | 2.0 | 183.9 | 137.0 | ML | 1.7 |

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2003/11/11 19:19:36.2 +- 0.71 51.482N 16.081E 8.9 5.6 168 1G 15 9 304 3.2ML SZGRF I

POLAND

| Sta | Phase | | Time | TRes | Def | S/N | Dist | EvAz | Mag | | |
|------|-------|----|------|------------|------|-----|-------|-------|-----|-----|--|
| BRG | e | Pn | Z | 19:20:04.0 | 0.8 | T | 163.7 | 246.4 | ML | 3.2 | |
| | e | Sg | N | 19:20:23.2 | 0.2 | T | | | | | |
| CLL | e | Pn | Z | 19:20:09.1 | -0.3 | T | 214.4 | 266.0 | ML | 3.0 | |
| | e | Sg | N | 19:20:38.2 | 0.7 | T | | | ML | 3.0 | |
| TANN | e | Pn | Z | 19:20:18.3 | 0.9 | T | 279.9 | 246.3 | ML | 3.3 | |
| | e | Sg | N | 19:20:56.8 | 0.6 | T | | | | | |

| | | | | | | | | | | | | | | | | | | |
|------|---|----|---|------------|------|---|-------|-------|----|-----|--|--|--|--|--|--|--|--|
| WERD | e | Pn | Z | 19:20:19.0 | 0.7 | T | 288.2 | 248.0 | | | | | | | | | | |
| | e | Sg | N | 19:20:58.2 | -0.4 | T | | | | | | | | | | | | |
| GUNZ | e | Pn | Z | 19:20:19.7 | 1.0 | T | 290.7 | 246.1 | ML | 3.5 | | | | | | | | |
| | e | Sg | N | 19:20:59.1 | -0.2 | T | | | | | | | | | | | | |
| MOX | e | Sg | N | 19:21:09.5 | 0.2 | T | 325.6 | 255.1 | ML | 3.4 | | | | | | | | |
| GEC2 | e | Pn | Z | 19:20:26.7 | 2.2 | T | 338.6 | 210.9 | | | | | | | | | | |
| | e | Sg | N | 19:21:12.3 | -0.7 | T | | | | | | | | | | | | |
| WET | e | Pn | Z | 19:20:26.7 | 1.4 | T | 345.3 | 222.4 | | | | | | | | | | |
| GRA1 | e | Sg | N | 19:21:31.0 | 1.4 | T | 396.5 | 241.8 | | | | | | | | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|---------|----------------|---------------|--------|--------|-----|-----------|-------|------|------|-----|--------------|-----|------------|----------|
| 2003/11/12 | 00:14:43.9 | +- 1.50 | 51.586N | 7.736E | | | | 1G | | 12 | 6 | 304 | 2.0ML | | BENS | I |
| 2003/11/12 | 00:14:43.4 | +- 0.75 | 51.689N | 7.666E | 11.1 | 5.6 | 152 | 1G | | 6 | 3 | 218 | 2.2ML | | SZGRF | I |
| 2003/11/12 | 00:14:43.9 | +- 0.25 | 51.578N | 7.748E | 2.2 | 2.2 | 142 | 1G | | 23 | 12 | 114 | 2.1ML | TNS | BGR | I |
| 2003/11/12 | 00:14:41.9 | | 51.608N | 7.736E | | | | 1G | | | | | 2.0ML | | BUG | I |

Hamm/Westfalen, Ruhr Coal Mining District

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|-----|-------|-------|--------|
| BUG | i Pg - Z | 00:14:49.2 | 1.0 | TA | | 37.2 | 240.3 | ML 2.0 |
| | e Sg E | 00:14:54.5 | 2.0 | | 7.3 | | | |
| HOB | e Pg Z | 00:14:55.8 | 1.3 | | | 74.8 | 202.1 | |
| | e Sg E | 00:15:04.8 | 1.5 | | | | | |
| IBBN | e Pg Z | 00:14:56.8 | 1.7 | | 2.5 | 77.8 | 1.1 | ML 2.0 |
| | e Sg E | 00:15:07.4 | 3.3 | | 1.9 | | | |
| BNS | e Sg E | 00:15:08.4 | 3.2 | | | 81.5 | 208.7 | |
| STB | e Pg Z | 00:15:05.9 | 2.1 | | | 128.9 | 209.4 | |
| | e Sg E | 00:15:20.6 | 1.9 | | | | | |
| KLL | e Pg Z | 00:15:07.3 | 0.7 | | | 145.9 | 223.5 | |
| | e Sg N | 00:15:24.6 | 1.0 | | | | | |
| BGG | e Pg Z | 00:15:09.4 | 0.7 | | | 158.3 | 190.4 | |
| | e Sg E | 00:15:27.9 | 0.8 | | | | | |
| TNS | e Pg Z | 00:15:10.2 | 0.8 | | 0.7 | 161.9 | 161.8 | ML 2.1 |
| | e Sg N | 00:15:29.7 | 1.5 | | 2.7 | | | |
| HIL | e Sg N | 00:15:30.0 | 1.3 | | | 163.8 | 207.2 | |
| UBBA | e Pg Z | 00:15:14.2 | 1.7 | | 1.0 | 180.5 | 118.2 | |
| | e Sg E | 00:15:34.5 | 1.0 | | 3.1 | | | |
| CLZ | e Pn Z | 00:15:13.1 | 1.9 | | 0.8 | 183.5 | 80.8 | ML 2.1 |
| | e Pg Z | 00:15:14.6 | 1.6 | | 7.1 | | | |
| | e Sg N | 00:15:35.9 | 1.5 | | 2.9 | | | |
| WLF | e Pn Z | 00:15:20.9 | 2.4 | | 0.9 | 243.2 | 207.9 | |
| | e Pg Z | 00:15:24.5 | 1.4 | | 4.0 | | | |
| | e Sg N | 00:15:52.7 | 1.4 | | 2.3 | | | |
| MOX | e Pn Z | 00:15:27.0 | 2.7 | | 2.2 | 291.1 | 110.1 | ML 2.2 |
| | e Sg N | 00:16:07.4 | 2.3 | | 2.6 | | | |
| BSEG | e Pn Z | 00:15:29.6 | 2.8 | | 1.1 | 311.6 | 32.8 | |
| | e Pg Z | 00:15:37.9 | 3.2 | | 1.9 | | | |
| GRFO | e Pn Z | 00:15:28.7 | 0.2 | | 1.9 | 325.2 | 129.6 | |
| STU | e Sg E | 00:16:17.5 | 0.7 | | 1.4 | 332.0 | 161.2 | |
| CLL | e Sg E | 00:16:28.2 | 1.6 | | 1.7 | 366.3 | 93.2 | |
| WET | e Sg N | 00:16:54.1 | 1.9 | | 1.3 | 455.9 | 124.9 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|--------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/12 | 18:31:37.4 | | 47.896N | 5.655E | | | | 20 | | 45 | 21 | | 2.3ML | | LDG | I |

Langres/Haute-Marne/F

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|-------|------|-----|
| BFO | e Sg E | 18:32:36.4 | 0.4 | | | 204.4 | 75.3 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------|----------------|---------------|--------|--------|----|-----------|-------|-----------|-----------|-----|--------------|-----|------------|----------|
| 2003/11/13 | 18:31:08.4 | | 48.340N | 6.670E | | | | 5 | | | | | 3.0ML | | NEIC | |
| 2003/11/13 | 18:31:09.0 | + - 0.78 | 48.360N | 6.773E | 7.8 | 4.4 | 31 | 10G | | 13 | 8 | 251 | 2.8ML | | SZGRF | L |
| 2003/11/13 | 18:31:08.8 | + - 0.57 | 48.367N | 6.744E | 4.4 | 3.3 | 37 | 10G | | 23 | 11 | 251 | 2.5ML | WLF | BGR | L |
| 2003/11/13 | 18:31:08.8 | | 48.333N | 6.661E | | | | 10 | | 94 | 37 | | 3.1ML | | LDG | L |

Epinal-N/F, Rambervillers

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|------|-------|-------|--------|
| BFO | e Pg Z | 18:31:28.4 | -1.4 | | 38.6 | 123.4 | 89.5 | ML 2.0 |
| | e Sg N | 18:31:42.0 | -2.2 | | 6.8 | | | |
| WLF | e Pg Z | 18:31:34.4 | -0.3 | | 7.0 | 152.6 | 346.1 | ML 2.5 |
| | e Sg N | 18:31:51.6 | -0.9 | | 6.6 | | | |
| TNS | e Pn Z | 18:31:43.4 | -1.4 | | 1.5 | 246.8 | 31.0 | ML 3.0 |
| | e Pg Z | 18:31:49.7 | -1.0 | | 2.4 | | | |
| | e Sg N | 18:32:18.2 | -1.2 | | 5.0 | | | |
| FUR | e Pn Z | 18:31:56.1 | -0.3 | | 1.0 | 342.2 | 91.4 | |
| | e Pg Z | 18:32:05.9 | -0.9 | | 2.5 | | | |
| | e Sg E | 18:32:45.1 | -1.5 | | 1.6 | | | |
| GRFO | e Pg Z | 18:32:09.8 | -0.9 | | 3.0 | 365.1 | 63.9 | |
| | e Sg N | 18:32:51.4 | -1.8 | | 4.5 | | | |
| GRA1 | e Sg N | 18:32:51.4 | -1.8 | | | 365.3 | 63.9 | ML 3.1 |
| UBBA | e Sg N | 18:32:51.1 | -2.5 | | 2.7 | 366.5 | 39.8 | |
| MOX | e Pg Z | 18:32:21.8 | -1.7 | | 1.8 | 440.5 | 52.5 | |
| | e Sg N | 18:33:13.1 | -1.6 | | 4.2 | | | |
| WET | e Pn Z | 18:32:11.5 | 0.2 | | 1.7 | 464.6 | 76.5 | |
| | e Pg Z | 18:32:26.3 | -1.3 | | 0.8 | | | |
| | e (Sn) N | 18:32:57.8 | 1.1 | | | | | |
| | e Sg N | 18:33:19.3 | -2.3 | | 3.4 | | | |
| TANN | e Sg N | 18:33:23.6 | -2.2 | | | 479.3 | 59.0 | ML 3.3 |
| GEC2 | e Pn Z | 18:32:17.9 | -0.3 | | 2.5 | 520.8 | 81.1 | |
| | e Pg Z | 18:32:36.1 | -1.0 | | 2.1 | | | |
| | e (Sn) N | 18:33:10.3 | 1.8 | | | | | |
| | e Sg N | 18:33:36.3 | -1.3 | | 3.7 | | | |
| CLL | e Sg N | 18:33:48.2 | -1.2 | | 2.7 | 562.2 | 51.6 | |
| BRG | e Sg N | 18:33:57.5 | -1.5 | | 2.6 | 595.6 | 59.0 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|-----------------|----------------|----------------|------------|------------|------------|------------|-------|-----------|----------|------------|--------------|-----|--------------|----------|
| 2003/11/13 | 19:44:14.0 | | 47.456N | 11.918E | | | | 10 | | | | | 2.5ML | | NEIC | |
| 2003/11/13 | 19:44:15.7 | + - 0.70 | 47.574N | 12.103E | 7.8 | 4.4 | 167 | 10G | | 12 | 6 | 248 | 2.1ML | WET | BGR | L |
| 2003/11/13 | 19:44:14.9 | + - 0.41 | 47.503N | 12.002E | 5.6 | 3.3 | 143 | 10G | | 12 | 8 | 149 | 2.0ML | | SZGRF | L |

Kufstein, Woergl/A

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|------|------|-------|--------|
| WTTA | e Pg Z | 19:44:19.8 | -1.9 | T | | 38.3 | 226.1 | |
| FUR | e Pg Z | 19:44:32.1 | 1.6 | | 3.3 | 91.3 | 323.8 | ML 2.7 |
| | e Sg N | 19:44:41.8 | 0.6 | | 23.4 | | | |

| | | | | | | | | | | | |
|------|---|------|---|------------|------|---|-----|-------|-------|----|-----|
| DAVA | e | Pg | Z | 19:44:41.6 | -0.8 | T | | 161.5 | 262.2 | ML | 2.1 |
| | e | Sg | N | 19:45:02.6 | 1.4 | T | | | | | |
| MOA | e | Pg | Z | 19:44:43.3 | -1.1 | T | | 173.8 | 76.4 | ML | 1.7 |
| | e | Sg | E | 19:45:05.8 | 1.1 | T | | | | | |
| WET | e | Pn | Z | 19:44:44.6 | 0.2 | | 1.1 | 193.6 | 19.2 | ML | 2.1 |
| | e | Pg | Z | 19:44:45.5 | -2.3 | T | | | | | |
| | e | Sg | N | 19:45:10.5 | 0.2 | T | | | | | |
| GEC2 | e | Pn | Z | 19:44:44.6 | -0.0 | | 1.2 | 195.3 | 39.6 | ML | 1.9 |
| | e | Pg | Z | 19:44:45.3 | -2.7 | T | | | | | |
| | e | Sg | N | 19:45:11.0 | 0.3 | T | | | | | |
| GRFO | e | (Sn) | N | 19:45:18.5 | 1.1 | | | 250.0 | 347.0 | | |
| | e | Sg | N | 19:45:25.5 | -0.8 | | 2.1 | | | | |
| GRA1 | e | Sg | N | 19:45:25.8 | -0.6 | T | | 250.1 | 347.0 | ML | 2.1 |
| BFO | e | Pn | Z | 19:44:57.1 | 1.1 | | 2.2 | 288.7 | 289.9 | | |
| | e | Sg | N | 19:45:39.0 | 1.5 | | 1.7 | | | | |
| GUNZ | e | Sg | Z | 19:45:46.5 | 0.5 | T | | 318.9 | 4.2 | | |
| WERD | e | Sg | E | 19:45:48.6 | -0.1 | T | | 328.2 | 3.8 | | |
| MOX | e | (Sn) | N | 19:45:40.0 | 1.4 | | | 350.5 | 355.5 | | |
| | e | Sg | E | 19:45:54.2 | -0.9 | | 1.6 | | | | |
| TNS | e | (Sn) | N | 19:45:52.9 | 4.1 | | | 398.7 | 320.6 | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------|----------------|---------------|--------|--------|-----|-----------|-------|-----------|-----------|-----|--------------|-----|------------|----------|
| 2003/11/13 | 22:18:31.4 | | 48.340N | 6.630E | | | | 5 | | | | | 3.0ML | | NEIC | |
| 2003/11/13 | 22:18:31.9 | + - 0.71 | 48.338N | 6.739E | 7.8 | 5.6 | 32 | 10G | | 14 | 9 | 254 | 2.8ML | | SZGRF | L |
| 2003/11/13 | 22:18:33.1 | + - 0.52 | 48.406N | 6.779E | 4.4 | 3.3 | 32 | 10G | | 24 | 11 | 248 | 2.5ML | WLF | BGR | L |
| 2003/11/13 | 22:18:32.3 | + - 0.20 | 48.330N | 6.670E | 3.0 | 2.0 | 343 | 10G | | 44 | 24 | 113 | 2.7ML | | LED | L |
| 2003/11/13 | 22:18:32.2 | | 48.328N | 6.663E | | | | 11 | | 98 | 40 | | 3.2ML | | LDG | L |

Epinal-N/F, Rambervillers

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|------|-------|-------|--------|
| ECH | i Pg + | 22:18:39.0 | 0.0 | | | 38.7 | 108.7 | |
| | i Sg | 22:18:43.6 | -0.0 | | | | | |
| THEF | e Pg + | 22:18:41.0 | -0.0 | | | 50.8 | 257.5 | |
| WLS | e Pg + | 22:18:41.2 | 0.0 | | | 51.9 | 79.3 | |
| | e Sg | 22:18:47.4 | 0.1 | | | | | |
| MOF | i Pg - | 22:18:43.2 | 0.0 | | | 63.5 | 146.5 | |
| | e Sg | 22:18:50.7 | 0.2 | | | | | |
| LIBD | e Pg + | 22:18:45.0 | 0.4 | | | 72.4 | 105.5 | |
| FBB | i Pn + | 22:18:48.7 | -1.0 | | | 95.4 | 111.9 | |
| KIZ | e Pn + | 22:18:48.9 | -1.6 | | | 101.9 | 113.5 | ML 3.1 |
| | e Pg | 22:18:49.4 | -0.2 | | | | | |
| | e Sn | 22:19:01.3 | -2.0 | | | | | |
| LOMF | e Pn - | 22:18:51.0 | -0.4 | | | 109.4 | 173.5 | |
| LANF | e Pn - | 22:18:50.3 | -1.2 | | | 110.9 | 48.7 | |
| | e Sn | 22:19:03.9 | -1.2 | | | | | |
| FELD | e Pn + | 22:18:50.3 | -1.4 | | | 111.5 | 116.3 | |
| | e Sn | 22:19:04.2 | -1.1 | | | | | |
| BBS | e Pn | 22:18:51.8 | -0.2 | | | 114.9 | 146.4 | |
| BFO | e Pg Z | 22:18:51.7 | -1.4 | | 52.9 | 123.2 | 89.3 | ML 2.1 |
| | e Sg E | 22:19:05.4 | -2.2 | | | | | |
| KTD | e Pg | 22:18:57.5 | -0.5 | | | 151.6 | 42.8 | |
| | e Sg | 22:19:15.8 | 0.2 | | | | | |
| WLF | e Pn Z | 22:18:56.9 | 0.2 | | 15.5 | 153.2 | 346.1 | ML 2.5 |
| | e Pg Z | 22:18:58.0 | -0.3 | | | 9.5 | | |
| | e Sg N | 22:19:15.0 | -1.1 | | | 6.0 | | |

| | | | | | | | | | | | | | | | | | | | |
|------|---|------|--------------|------|--|--|-----|-------|-------|----|-----|--|--|--|--|--|--|--|--|
| RUP | e | Pn | 22:18:58.0 | 1.0 | | | | 155.4 | 10.6 | | | | | | | | | | |
| | | Sg | 22:19:15.9 | -0.8 | | | | | | | | | | | | | | | |
| SPAK | e | Pg | 22:18:59.4 | 0.2 | | | | 159.3 | 98.3 | | | | | | | | | | |
| TUBL | e | Pg | 22:19:03.0 | 0.2 | | | | 179.8 | 82.2 | ML | 2.3 | | | | | | | | |
| GUT | e | Pn | 22:18:59.7 | -0.8 | | | | 184.0 | 98.0 | ML | 2.7 | | | | | | | | |
| | e | Pg | 22:19:03.4 | -0.1 | | | | | | | | | | | | | | | |
| | | Sn | 22:19:18.7 | -1.9 | | | | | | | | | | | | | | | |
| | e | Sg | 22:19:24.9 | 0.1 | | | | | | | | | | | | | | | |
| ABH | e | Pg | 22:19:02.7 | -0.8 | | | | 184.3 | 20.1 | | | | | | | | | | |
| | | Sg | 22:19:24.5 | -0.5 | | | | | | | | | | | | | | | |
| SISB | e | Pn | 22:19:00.5 | -0.1 | | | | 185.5 | 111.8 | ML | 2.9 | | | | | | | | |
| | e | Pg | 22:19:03.8 | 0.1 | | | | | | | | | | | | | | | |
| | e | Sg | 22:19:25.5 | 0.2 | | | | | | | | | | | | | | | |
| SWS | e | Pg | 22:19:05.4 | -0.2 | | | | 196.7 | 48.4 | ML | 2.9 | | | | | | | | |
| | e | Sg | 22:19:28.2 | -0.2 | | | | | | | | | | | | | | | |
| BUCH | e | Pn | 22:19:01.3 | -1.0 | | | | 199.0 | 85.1 | ML | 2.5 | | | | | | | | |
| | e | Pg | 22:19:05.9 | -0.1 | | | | | | | | | | | | | | | |
| | e | Sn | 22:19:20.8 | -3.0 | | | | | | | | | | | | | | | |
| | | Sg | 22:19:28.3 | -0.8 | | | | | | | | | | | | | | | |
| TOD | | Pg | 22:19:07.9 | -0.1 | | | | 211.1 | 46.9 | | | | | | | | | | |
| | e | Sg | 22:19:31.8 | -0.8 | | | | | | | | | | | | | | | |
| SIND | | Pn | 22:19:06.9 | -0.8 | | | | 243.4 | 61.1 | ML | 2.9 | | | | | | | | |
| | | Pg | 22:19:12.7 | -0.8 | | | | | | | | | | | | | | | |
| | | Sn | 22:19:32.1 | -1.0 | | | | | | | | | | | | | | | |
| | e | Sg | 22:19:41.8 | -0.0 | | | | | | | | | | | | | | | |
| TNS | e | Pn | Z 22:19:06.8 | -1.4 | | | 4.7 | 247.2 | 30.9 | ML | 3.1 | | | | | | | | |
| | e | Pg | Z 22:19:12.8 | -1.3 | | | 2.7 | | | | | | | | | | | | |
| | e | Sg | E 22:19:40.8 | -2.1 | | | 5.6 | | | | | | | | | | | | |
| HDH | e | Pg | 22:19:16.8 | -0.0 | | | | 262.8 | 82.5 | ML | 2.7 | | | | | | | | |
| | e | Sg | 22:19:47.4 | 0.0 | | | | | | | | | | | | | | | |
| UBR | e | Pn | 22:19:10.9 | 0.5 | | | | 266.2 | 104.4 | ML | 2.6 | | | | | | | | |
| | e | Pg | 22:19:17.8 | 0.5 | | | | | | | | | | | | | | | |
| | e | Sg | 22:19:48.6 | 0.3 | | | | | | | | | | | | | | | |
| FUR | e | Pn | Z 22:19:20.1 | 0.3 | | | 3.9 | 341.9 | 91.4 | | | | | | | | | | |
| | e | Pg | Z 22:19:30.1 | -0.1 | | | 3.4 | | | | | | | | | | | | |
| | e | Sg | N 22:20:08.5 | -1.5 | | | | | | | | | | | | | | | |
| GRFO | e | Pg | Z 22:19:34.3 | 0.2 | | | 4.0 | 365.2 | 63.8 | | | | | | | | | | |
| | e | Sg | N 22:20:14.5 | -2.1 | | | 4.1 | | | | | | | | | | | | |
| GRA1 | e | Sg | N 22:20:14.8 | -1.9 | | | | 365.3 | 63.8 | ML | 3.2 | | | | | | | | |
| UBBA | e | Sg | N 22:20:14.0 | -3.0 | | | 2.7 | 366.8 | 39.7 | | | | | | | | | | |
| MOX | e | Pg | Z 22:19:45.2 | -1.7 | | | 2.4 | 440.6 | 52.4 | ML | 3.3 | | | | | | | | |
| | e | Sg | N 22:20:36.0 | -2.1 | | | 3.9 | | | | | | | | | | | | |
| WET | e | Pn | Z 22:19:35.0 | 0.3 | | | 2.0 | 464.6 | 76.4 | | | | | | | | | | |
| | e | Pg | Z 22:19:50.5 | -0.4 | | | 2.0 | | | | | | | | | | | | |
| | e | (Sn) | N 22:20:21.2 | 1.2 | | | | | | | | | | | | | | | |
| | e | Sg | N 22:20:42.7 | -2.2 | | | 3.5 | | | | | | | | | | | | |
| TANN | e | Sg | N 22:20:46.9 | -2.3 | | | | 479.4 | 58.9 | | | | | | | | | | |
| GEC2 | e | Pn | Z 22:19:42.0 | 0.5 | | | 1.6 | 520.7 | 81.0 | | | | | | | | | | |
| | e | Pg | Z 22:19:59.1 | -1.4 | | | 1.6 | | | | | | | | | | | | |
| | e | (Sn) | N 22:20:34.9 | 3.1 | | | | | | | | | | | | | | | |
| | e | Sg | N 22:20:59.8 | -1.2 | | | 3.6 | | | | | | | | | | | | |
| CLL | e | Sg | E 22:21:11.3 | -1.6 | | | 3.7 | 562.3 | 51.5 | | | | | | | | | | |
| BRG | e | Sg | E 22:21:19.8 | -2.7 | | | | 595.7 | 58.9 | | | | | | | | | | |

Date Origin Time OT_err Lat Long Smajor Sminor Az Depth D_err Ndef Nsta Gap Mag Ref Source Ev_type
2003/11/14 12:28:24.9 +- 0.98 51.494N 6.718E 10.0 4.4 126 1G 9 6 231 1.7ML BUG BGR I

2003/11/14 12:28:25.5 +- 1.03 51.539N 6.578E 1G 12 6 287 2.0ML BENS I
 2003/11/14 12:28:23.3 51.530N 6.606E 1G 1.7ML BUG I

Moers, Ruhr Coal Mining District

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|-----|-------|-------|--------|
| BUG | i Pg - Z | 12:28:32.3 | 1.0 | TA | 3.3 | 47.0 | 101.9 | ML 1.7 |
| | e Sg E | 12:28:35.9 | -0.8 | | | | | |
| HOB | e Pg Z | 12:28:38.6 | 1.9 | | | 79.1 | 139.9 | |
| | e Sg E | 12:28:49.8 | 3.9 | | | | | |
| KLL | e Pg Z | 12:28:43.1 | 2.8 | | | 100.2 | 191.9 | |
| | e Sg E | 12:28:55.7 | 3.7 | | | | | |
| STB | e Pg Z | 12:28:43.7 | 2.5 | | | 105.3 | 171.0 | |
| | e Sg N | 12:28:56.8 | 3.4 | | | | | |
| HIL | e Pg Z | 12:28:48.8 | 2.2 | | | 137.6 | 177.8 | |
| | e Sg E | 12:29:05.6 | 3.0 | | | | | |
| BGG | e Pg Z | 12:28:50.7 | 1.0 | | | 155.8 | 160.5 | |
| | e Sg E | 12:29:09.6 | 1.8 | | | | | |
| TNS | e Pg Z | 12:28:56.3 | 0.1 | | 3.7 | 194.5 | 137.6 | |
| | e Sg N | 12:29:18.7 | -0.2 | | | | | |
| WLF | e Sg E | 12:29:23.9 | 0.6 | | 2.3 | 209.8 | 188.9 | |
| UBBA | e Pg Z | 12:29:05.9 | 0.3 | | 1.1 | 249.5 | 107.1 | |
| CLZ | e Pg Z | 12:29:08.6 | 0.9 | | 1.9 | 261.9 | 80.9 | |
| | e Sg E | 12:29:37.3 | -0.8 | | | | | |
| NRDL | e Pg Z | 12:29:08.6 | 0.8 | | 1.1 | 262.5 | 64.5 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------|----------------|---------------|--------|--------|----|----------|-------|------|------|-----|--------------|-----|------------|---------|
| 2003/11/15 | 00:28:57.7 | | 47.195N | 9.512E | | | | 10G | | 24 | 13 | | 2.4ML | | LDG | L |
| 2003/11/15 | 00:28:57.2 | + - 1.44 | 47.250N | 9.597E | 16.7 | 6.7 | 1 | 10G | | 5 | 3 | 271 | 2.2ML | | SZGRF | L |
| 2003/11/15 | 00:28:54.5 | | 47.200N | 9.600E | | | | 2 | | | | | 2.2ML | | SED | |

Vaduz/Liechtenstein, Swiss-Liechtenstein-Austrian border reg

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| BFO | e Pg Z | 00:29:22.0 | 0.8 | | | 157.5 | 323.4 | ML 1.8 |
| | e Sg N | 00:29:41.1 | 1.6 | | | | | |
| SCE | i Pg - | 00:29:23.5 | 1.8 | | | 160.7 | 95.6 | |
| FUR | e Pg Z | 00:29:23.2 | 0.7 | | | 164.9 | 48.9 | ML 2.3 |
| | e Sg N | 00:29:43.8 | 2.2 | | | | | |
| GRA1 | e Sg N | 00:30:21.8 | 1.1 | | | 301.8 | 22.7 | ML 2.5 |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|---------|--------|--------|-----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/16 | 04:39:27.7 | + - 0.68 | 51.441N | 16.118E | 16.7 | 12.2 | 178 | 1G | | 16 | 10 | 304 | 3.0ML | | SZGRF | I |

POLAND

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| BRG | e Pg Z | 04:39:54.8 | -0.8 | T | | 164.3 | 248.3 | ML 2.8 |
| | e Sg N | 04:40:15.0 | 0.4 | | | | | |
| CLL | e Pn Z | 04:39:59.7 | -1.4 | T | | 216.7 | 267.3 | ML 2.8 |
| | e Sg N | 04:40:28.9 | -0.7 | | | | | |
| TANN | e Pn Z | 04:40:08.8 | -0.0 | T | | 280.5 | 247.4 | ML 2.9 |
| | e Sg N | 04:40:46.6 | -1.3 | | | | | |
| WERD | e Pn Z | 04:40:09.5 | -0.3 | T | | 288.9 | 249.0 | |

| | | | | | | | | | | | | | | | | | |
|------|---|----|---|------------|-----|---|-------|-------|----|-----|--|--|--|--|--|--|--|
| GUNZ | e | Pn | Z | 04:40:10.5 | 0.3 | T | 291.2 | 247.2 | | | | | | | | | |
| MOX | e | Pn | Z | 04:40:21.8 | 7.3 | T | 326.9 | 256.0 | ML | 3.2 | | | | | | | |
| | e | Sg | N | 04:41:02.2 | 1.1 | T | | | | | | | | | | | |
| GEC2 | e | Pn | Z | 04:40:17.0 | 1.4 | T | 336.1 | 211.8 | | | | | | | | | |
| | e | Sg | E | 04:41:04.0 | 0.3 | T | | | | | | | | | | | |
| WET | e | Pn | Z | 04:40:16.7 | 0.1 | T | 343.7 | 223.3 | | | | | | | | | |
| GRA1 | e | Pn | Z | 04:40:23.6 | 0.6 | T | 396.6 | 242.6 | ML | 3.4 | | | | | | | |
| | e | Sg | N | 04:41:21.8 | 0.8 | T | | | | | | | | | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|-----------------|----------------|---------------|------------|------------|-----------|-----------|-------|-----------|-----------|-----------|--------------|-----|------------|----------|
| 2003/11/16 | 21:41:52.1 | | 48.188N | 8.837E | | | | 10 | | 16 | 9 | | 2.2ML | | LDG | L |
| 2003/11/16 | 21:41:50.5 | + - 0.55 | 48.272N | 9.007E | 7.8 | 3.3 | 0 | 10G | | 7 | 6 | 184 | 1.1ML | BFO | BGR | L |
| 2003/11/16 | 21:41:50.0 | + - 0.13 | 48.212N | 9.000E | 1.9 | 1.1 | 78 | 7G | | 21 | 10 | 68 | 1.7ML | | LED | L |

Balingen/Swabian Jura

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|-----|-------|-------|--------|
| GUT | i Pg - | 21:41:53.5 | 0.2 | T | | 17.9 | 151.4 | ML 1.7 |
| | i Sg | 21:41:55.9 | 0.4 | T | | | | |
| BUCH | i Pg + | 21:41:56.8 | 0.3 | T | | 37.1 | 44.5 | ML 1.4 |
| | e Sg | 21:42:01.5 | 0.7 | T | | | | |
| BFO | e Pg Z | 21:41:59.2 | 0.4 | | 1.4 | 51.3 | 285.1 | ML 1.1 |
| | e Sg N | 21:42:05.1 | 0.3 | | | | | |
| LBG | i Pg - | 21:41:59.3 | 0.3 | T | | 52.5 | 343.3 | ML 1.6 |
| | e PmP | 21:42:01.6 | -1.1 | T | | | | |
| | e Sg | 21:42:05.6 | 0.4 | T | | | | |
| | e SmS | 21:42:09.6 | -1.7 | T | | | | |
| SISB | Pg | 21:42:00.4 | 0.3 | | | 58.5 | 182.6 | ML 1.7 |
| | e Sg | 21:42:07.7 | 0.8 | T | | | | |
| STU | e (Sg) E | 21:42:09.1 | 0.8 | | | 63.7 | 12.8 | ML 1.6 |
| FELD | e Sg | 21:42:15.7 | 1.9 | | | 82.9 | 243.6 | |
| KIZ | e Pn - | 21:42:04.7 | -1.9 | T | | 85.2 | 250.9 | ML 1.9 |
| | e Pg | 21:42:05.6 | 1.1 | T | | | | |
| | e Sg | 21:42:15.1 | 0.6 | T | | | | |
| HDH | i Pg - | 21:42:07.3 | 0.6 | T | | 98.2 | 64.6 | ML 1.8 |
| | e Sg | 21:42:18.6 | 0.4 | T | | | | |
| | e SmS | 21:42:20.7 | -1.2 | T | | | | |
| UBR | e Pg | 21:42:08.6 | 1.3 | T | | 101.5 | 125.2 | ML 1.7 |
| | e Sg | 21:42:20.3 | 1.2 | T | | | | |
| WLS | e Sg | 21:42:26.6 | 1.2 | T | | 123.8 | 281.0 | |
| SIND | i Pg + | 21:42:13.0 | 0.3 | T | | 134.0 | 19.1 | ML 2.0 |
| | e Sg | 21:42:28.5 | 0.1 | T | | | | |
| ECH | e Sg | 21:42:30.0 | 0.9 | T | | 136.4 | 270.9 | |
| SWS | Sg | 21:42:31.6 | 0.6 | | | 143.1 | 351.3 | ML 2.1 |
| FUR | e Sg N | 21:42:39.4 | 1.1 | | | 168.7 | 91.0 | |
| TNS | e Sg E | 21:42:54.1 | -0.8 | | | 227.1 | 350.0 | |
| GRFO | e Sg N | 21:42:54.7 | -1.3 | | | 230.9 | 43.8 | |
| WET | e Sg E | 21:43:16.1 | -0.5 | | | 303.0 | 68.6 | |
| GEC2 | e Sg E | 21:43:31.2 | 0.2 | | | 353.2 | 76.8 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|-----------------|----------------|----------------|------------|------------|------------|------------|-------|-----------|----------|------------|--------------|-------------|------------|----------|
| 2003/11/18 | 12:19:46.0 | | 47.425N | 11.858E | | | | 10 | | | | | 2.7ML | | NEIC | |
| 2003/11/18 | 12:19:46.4 | + - 0.67 | 47.569N | 12.097E | 6.7 | 3.3 | 157 | 10G | | 16 | 9 | 248 | 2.2ML | GEC2 | BGR | L |

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|------|-------|-------|--------|
| SCE | i Pg - | 12:19:53.6 | -4.1 | | | 65.8 | 206.5 | |
| | i Sg | 12:20:01.2 | -4.2 | | | | | |
| FUR | e Pg Z | 12:20:02.8 | 1.1 | T | 2.5 | 90.1 | 317.4 | ML 3.1 |
| | e Sg N | 12:20:12.9 | 0.6 | T | 22.9 | | | |
| WET | e Pg Z | 12:20:17.4 | -0.3 | T | 1.5 | 184.4 | 18.0 | ML 2.1 |
| | e Sg E | 12:20:38.6 | -0.5 | T | 4.7 | | | |
| GEC2 | e Pn Z | 12:20:15.7 | 0.8 | T | 1.9 | 185.1 | 39.4 | ML 2.2 |
| | e Sg N | 12:20:39.3 | -0.0 | T | 8.4 | | | |
| GRFO | e (Sn) E | 12:20:49.7 | 2.0 | | 0.3 | 244.6 | 345.1 | ML 2.4 |
| | e Sg N | 12:20:56.4 | 0.1 | T | 3.5 | | | |
| BFO | e Pn Z | 12:20:28.1 | 0.1 | T | 1.7 | 293.0 | 288.2 | ML 2.4 |
| | e Pg Z | 12:20:35.2 | -0.8 | T | 0.3 | | | |
| | e Sg N | 12:21:09.1 | -1.0 | T | 2.7 | | | |
| MOX | e Pg Z | 12:20:44.4 | -0.2 | T | 1.5 | 343.8 | 354.3 | ML 2.6 |
| | e (Sn) N | 12:21:10.7 | 2.0 | | 0.3 | | | |
| | e Sg N | 12:21:25.5 | 0.8 | T | 2.3 | | | |
| BRG | e Sg N | 12:21:36.9 | -1.3 | T | 1.4 | 391.1 | 19.4 | |
| TNS | e Pn Z | 12:20:41.0 | 0.2 | T | 1.6 | 397.7 | 319.2 | |
| | e (Sn) N | 12:21:22.5 | 2.4 | | 0.3 | | | |
| | e Sg E | 12:21:40.4 | 0.3 | T | 1.5 | | | |
| CLZ | e Sg N | 12:22:06.5 | -0.2 | T | 1.4 | 491.0 | 346.0 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|-------------------|-------------------|----------|----------------|---------------|--------|--------|-----|-----------|-------|------|------|-----|--------------|-----|------------|----------|
| 2003/11/20 | 22:17:52.3 | +/- 0.66 | 51.636N | 7.698E | 8.9 | 4.4 | 161 | 1G | | 7 | 4 | 207 | 2.0ML | CLZ | BGR | I |
| 2003/11/20 | 22:17:52.2 | +/- 0.73 | 51.634N | 7.739E | | | | 1G | | 12 | 6 | 306 | 2.1ML | | BENS | I |
| 2003/11/20 | 22:17:51.0 | | 51.617N | 7.725E | | | | 1G | | | | | 1.8ML | | BUG | I |

Hamm/Westfalen, Ruhr Coal Mining District

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|----------|------------|------|-----|-----|-------|-------|--------|
| BUG | e Pg - Z | 22:17:58.3 | 1.0 | TA | | 37.2 | 238.2 | ML 1.8 |
| | e Sg E | 22:18:03.5 | 1.9 | | 6.6 | | | |
| HOB | e Pg Z | 22:18:05.2 | 1.4 | | | 75.6 | 201.3 | |
| | e Sg N | 22:18:15.3 | 2.7 | | | | | |
| BNS | e Pg N | 22:18:06.8 | 1.8 | | | 82.1 | 207.9 | |
| | e Sg E | 22:18:17.3 | 2.9 | | | | | |
| STB | e Pg Z | 22:18:14.4 | 1.5 | | | 129.5 | 208.9 | |
| | e Sg E | 22:18:30.5 | 2.5 | | | | | |
| KLL | e Pg Z | 22:18:16.3 | 0.5 | | | 146.2 | 223.0 | |
| | e Sg N | 22:18:33.7 | 0.9 | | | | | |
| BGG | e Pg Z | 22:18:18.5 | 0.5 | | | 159.2 | 190.0 | |
| | e Sg E | 22:18:36.8 | 0.4 | | | | | |
| TNS | e Pg Z | 22:18:20.0 | 1.3 | | 3.3 | 163.1 | 161.6 | ML 1.9 |
| | e Sg E | 22:18:39.3 | 1.7 | | 2.7 | | | |
| CLZ | e Pg Z | 22:18:23.3 | 1.1 | | 3.1 | 184.0 | 81.2 | ML 2.0 |
| | e Sg N | 22:18:45.6 | 2.0 | | 2.5 | | | |
| MOX | e Sg N | 22:19:17.5 | 3.0 | | 2.0 | 292.2 | 110.2 | ML 2.0 |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|--------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/21 | 02:20:34.7 | | 47.635N | 9.357E | | | | 5 | | | | | 2.5ML | | NEIC | |
| 2003/11/21 | 02:20:34.4 | | 47.700N | 9.400E | | | | 24 | | | | | 2.0ML | | SED | |

| | | | | | | | | | | | | | | |
|--------------------------------------|----------------|---------------|------------|------------|----------|-----------|---------------|-----------|----------|------------|--------------|-----|------------|----------|
| 2003/11/21 02:20:35.0 | | 47.652N | 9.324E | | | | 3G | 18 | 8 | | 2.4ML | LDG | L | |
| 2003/11/21 02:20:34.0 +- 0.69 | 47.700N | 9.377E | 6.7 | 3.3 | 10 | 10G | | 13 | 8 | 243 | 1.9ML | STU | BGR | L |
| 2003/11/21 02:20:35.0 +- 0.44 | 47.718N | 9.359E | 5.6 | 3.3 | 49 | 10G | | 9 | 6 | 171 | 1.9ML | | SZGRF | L |
| 2003/11/21 02:20:35.0 +- 0.20 | 47.710N | 9.370E | 3.0 | 2.0 | 6 | 14 | +- 2.0 | 18 | 9 | 172 | 2.2ML | | LED | L |

Friedrichshafen, SW of Ravensburg

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|--------|------------|------|-----|-----|-------|-------|--------|
| SISB | i Pg + | 02:20:40.9 | 0.2 | T | | 30.5 | 265.2 | ML 2.2 |
| | e Sg | 02:20:45.5 | 0.9 | T | | | | |
| GUT | i Pg - | 02:20:43.2 | 0.3 | T | | 44.4 | 334.8 | ML 2.2 |
| | e Sg | 02:20:49.4 | 1.1 | T | | | | |
| | SmS | 02:20:50.8 | -2.4 | | | | | |
| UBR | i Pg + | 02:20:45.1 | 0.4 | T | | 55.3 | 93.1 | ML 2.3 |
| | i Sg | 02:20:52.6 | 1.3 | T | | | | |
| DAVA | e Pg Z | 02:20:45.5 | -0.0 | | | 60.7 | 140.6 | ML 2.1 |
| | e Sg N | 02:20:53.6 | 0.8 | | | | | |
| SPAK | Pg | 02:20:46.0 | 0.3 | T | | 61.6 | 315.3 | |
| BUCH | i P - | 02:20:49.2 | | T | | 82.2 | 359.1 | ML 1.9 |
| | e Sg | 02:20:59.7 | 0.9 | T | | | | |
| BFO | e Pg Z | 02:20:51.7 | -1.0 | | | 103.6 | 312.1 | ML 1.7 |
| | e Sg N | 02:21:04.2 | -0.6 | | | | | |
| FELD | Pn | 02:20:52.2 | -0.9 | T | | 103.7 | 280.8 | |
| KIZ | e Pn - | 02:20:53.2 | -0.8 | T | | 111.8 | 284.7 | ML 2.5 |
| | e Sn | 02:21:06.3 | -1.2 | T | | | | |
| LBG | e Pn - | 02:20:52.7 | -1.7 | T | | 114.3 | 338.3 | ML 2.1 |
| | e Pg | 02:20:53.7 | -0.9 | T | | | | |
| | e Sg | 02:21:07.7 | -0.2 | T | | | | |
| HDH | e Pn | 02:20:52.8 | -1.7 | T | | 115.3 | 32.3 | ML 2.3 |
| | e Pg | 02:20:54.3 | -0.4 | T | | | | |
| | e Sg | 02:21:08.3 | 0.1 | T | | | | |
| STU | e Sg E | 02:21:08.9 | -0.3 | | | 118.7 | 353.7 | ML 1.9 |
| FUR | e Pg Z | 02:20:59.8 | -0.8 | | | 150.6 | 69.8 | ML 2.0 |
| | e Sg N | 02:21:18.3 | 0.1 | | | | | |
| WTTA | e Pg Z | 02:21:03.7 | -1.5 | | | 177.4 | 105.4 | |
| SIND | e Pn | 02:21:00.6 | -2.1 | | | 183.0 | 5.4 | ML 2.2 |
| | Pg | 02:21:06.6 | 0.5 | | | | | |
| | Sg | 02:21:26.6 | -0.9 | | | | | |
| GRFO | e Sg E | 02:21:47.4 | -1.6 | | 1.7 | 258.7 | 31.0 | |
| GRA1 | e Sg N | 02:21:48.6 | -0.4 | | | 258.9 | 31.0 | |
| TNS | e Pn Z | 02:21:14.4 | -1.1 | | | 287.4 | 346.8 | |
| WET | e Sn E | 02:21:47.7 | -0.4 | | | 304.0 | 57.1 | ML 2.2 |
| | e Sg N | 02:22:00.8 | -1.1 | | 4.3 | | | |
| GEC2 | e Pn Z | 02:21:21.8 | -0.6 | | | 344.4 | 66.9 | |
| | e Pg Z | 02:21:32.4 | -1.1 | | 1.7 | | | |
| | e Sg N | 02:22:12.3 | -1.2 | | 3.6 | | | |
| MOX | e Sg N | 02:22:18.7 | -0.6 | | 3.3 | 364.8 | 25.7 | |

| Date | Origin | Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|--------|------------|--------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/24 | | 20:32:33.8 | | 49.353N | 6.884E | | | | 1G | | 12 | 6 | | 2.1ML | | LDG | I? |

Saarbruecken-West

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|------|-------|-----|
| WLF | e Pg Z | 20:32:45.2 | 0.7 | | 0.9 | 63.2 | 303.5 | |
| | e Sg E | 20:32:51.5 | -0.4 | | | | | |

BFO e Sg E 20:33:18.8 0.6 155.3 136.5

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|--------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/25 | 20:55:26.1 | | 49.279N | 6.794E | | | | 1G | | 11 | 6 | | 2.2ML | | LDG | I? |

Saarbruecken-West

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|-------|-------|-----|
| WLF | e Pg Z | 20:55:35.4 | -1.4 | | 1.7 | 63.1 | 313.0 | |
| | e Sg E | 20:55:42.9 | -1.2 | | | | | |
| BFO | e Sg N | 20:56:09.9 | -0.3 | | | 154.2 | 132.6 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/27 | 08:39:27.1 | | 48.340N | 6.660E | | | | 5 | | | | | 2.2ML | | NEIC | |
| 2003/11/27 | 08:39:28.0 | + - 0.57 | 48.367N | 6.746E | 6.7 | 3.3 | 72 | 5G | | 9 | 6 | 182 | 1.7ML | BFO | BGR | L |

St. Die/F, NW Vosges Mountains

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-------|--------|------------|------|-----|------|-------|-------|--------|
| BOURR | e Pg Z | 08:39:46.9 | -0.4 | T | 1.6 | 114.0 | 161.3 | |
| | e Sg N | 08:40:00.2 | -0.4 | T | 2.5 | | | |
| BFO | e Pg Z | 08:39:48.5 | 0.7 | T | 3.5 | 117.1 | 91.4 | ML 1.7 |
| | e Sg N | 08:40:01.0 | -0.4 | T | 11.0 | | | |
| SULZ | e Sg N | 08:40:07.9 | 0.5 | T | 2.1 | 138.0 | 132.0 | |
| SLE | e Pg Z | 08:39:52.7 | 0.0 | T | 3.9 | 146.0 | 116.6 | |
| | e Sg E | 08:40:10.3 | 0.6 | T | 3.1 | | | |
| WLF | e Sg N | 08:40:11.4 | 0.4 | T | 1.7 | 150.6 | 343.5 | |
| TNS | e Sg E | 08:40:36.2 | -0.5 | T | 1.7 | 240.4 | 30.2 | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|--------|--------|--------|-----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/28 | 12:59:56.4 | | 51.637N | 6.993E | | | | 5 | | | | | 2.7ML | | NEIC | |
| 2003/11/28 | 12:59:55.8 | | 51.608N | 6.808E | | | | 1G | | 48 | 23 | | 3.4ML | | LDG | I? |
| 2003/11/28 | 12:59:56.4 | + - 0.75 | 51.549N | 6.843E | 16.7 | 4.4 | 115 | 1G | | 7 | 5 | 202 | 2.7ML | | SZGRF | I |
| 2003/11/28 | 12:59:55.6 | + - 0.54 | 51.567N | 6.775E | 6.7 | 3.3 | 120 | 1G | | 13 | 8 | 206 | 2.9ML | TNS | BGR | I |
| 2003/11/28 | 12:59:55.7 | + - 0.63 | 51.621N | 6.816E | | | | 1G | | 14 | 7 | 293 | 2.9ML | | BENS | I |
| 2003/11/28 | 12:59:56.2 | | 51.524N | 6.883E | | | | 1G | | | | | 2.0ML | | BUG | I |

Duisburg, Ruhr Coal Mining District

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|-----|-------|-------|--------|
| BUG | i Pg - Z | 13:00:02.0 | 1.0 | TA | | 28.3 | 109.1 | ML 2.0 |
| | e Sg E | 13:00:06.5 | 2.2 | | 3.2 | | | |
| BNS | e Pg Z | 13:00:09.0 | 1.7 | | | 65.6 | 161.7 | |
| | e Sg N | 13:00:18.4 | 3.4 | | | | | |
| HOB | e Pg - Z | 13:00:09.1 | 1.4 | | | 67.8 | 152.3 | |
| | e Sg N | 13:00:19.4 | 3.8 | | | | | |
| STB | e Pg Z | 13:00:15.1 | 1.4 | | | 103.5 | 181.7 | |
| | e Sg N | 13:00:29.9 | 4.1 | | | | | |
| KLL | e Pg + Z | 13:00:14.5 | 0.4 | | | 105.4 | 202.5 | |
| | e Sg N | 13:00:29.2 | 2.9 | | | | | |
| IBBN | e Pg Z | 13:00:13.1 | -1.0 | | 7.9 | 105.7 | 34.2 | ML 3.0 |
| | e Sg N | 13:00:26.5 | 0.1 | | 8.0 | | | |

| | | | | | | | | | | | | | | | | | |
|------|---|------|-----|------------|------|--|--|-------|-------|-------|--|----|-----|--|--|--|--|
| HIL | e | Pg | - Z | 13:00:20.3 | 0.7 | | | 137.7 | 186.0 | | | | | | | | |
| | e | Sg | N | 13:00:38.6 | 3.1 | | | | | | | | | | | | |
| BGG | e | Pg | - Z | 13:00:21.7 | 0.1 | | | 149.9 | 167.6 | | | | | | | | |
| | e | Sg | E | 13:00:39.8 | 0.8 | | | | | | | | | | | | |
| TNS | e | Pn | Z | 13:00:25.9 | 0.6 | | | 1.9 | 181.7 | 142.2 | | ML | 2.9 | | | | |
| | e | Pg | Z | 13:00:27.8 | 0.8 | | | 1.6 | | | | | | | | | |
| WLF | e | Pg | Z | 13:00:32.3 | -0.0 | | | 5.9 | 213.1 | 194.3 | | ML | 2.8 | | | | |
| | e | Sg | E | 13:00:57.0 | -0.1 | | | 2.4 | | | | | | | | | |
| UBBA | e | Sg | N | 13:01:04.2 | 2.0 | | | 2.9 | 231.1 | 108.6 | | | | | | | |
| CLZ | e | Pn | Z | 13:00:32.1 | -0.7 | | | 10.3 | 243.1 | 80.3 | | ML | 2.9 | | | | |
| | e | Pg | Z | 13:00:36.3 | -1.1 | | | | | | | | | | | | |
| NRDL | e | Pg | Z | 13:00:39.2 | 1.4 | | | 4.4 | 245.6 | 62.7 | | | | | | | |
| | e | Sg | N | 13:01:06.4 | 0.0 | | | 2.2 | | | | | | | | | |
| MOX | e | (Pn) | | 13:00:46.4 | 1.2 | | | | 344.7 | 104.6 | | | | | | | |
| | e | Sg | | 13:01:33.6 | -1.1 | | | | | | | | | | | | |
| BFO | e | Pn | Z | 13:00:48.6 | 0.4 | | | 2.4 | 369.9 | 163.2 | | | | | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|----------|---------|---------|--------|--------|-----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/29 | 04:22:38.6 | +/- 1.56 | 47.015N | 10.774E | 21.1 | 6.7 | 165 | 10G | | 7 | 4 | 263 | 2.0ML | FUR | BGR | L |

Pitztal/A, E of Landeck

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|------|----------|------------|------|-----|-----|-------|-------|--------|
| OGA | i Pg + | 04:22:37.7 | -5.5 | | | 25.1 | 130.5 | |
| | i Sg | 04:22:39.5 | -6.9 | | | | | |
| FUR | e Sg E | 04:23:18.0 | 1.3 | T | | 133.1 | 16.2 | ML 2.0 |
| BFO | e Pn Z | 04:23:13.7 | 0.7 | T | 1.2 | 234.2 | 309.5 | |
| | e Sg N | 04:23:44.9 | -0.8 | T | | | | |
| WET | e (Sn) E | 04:23:50.1 | 1.9 | T | | 283.6 | 32.7 | |
| | e Sg N | 04:23:59.2 | -0.6 | T | | | | |
| GEC2 | e (Sn) E | 04:23:53.6 | 2.3 | T | | 298.3 | 45.9 | |
| | e Sg N | 04:24:03.3 | -0.6 | T | | | | |

| Date | Origin Time | OT_err | Lat | Long | Smajor | Sminor | Az | Depth | D_err | Ndef | Nsta | Gap | Mag | Ref | Source | Ev_type |
|------------|-------------|--------|---------|--------|--------|--------|----|-------|-------|------|------|-----|-------|-----|--------|---------|
| 2003/11/30 | 16:27:28.5 | | 48.201N | 9.084E | | | | 2 | | 10 | 5 | | 2.1ML | | LDG | L |

Ebingen/Swabian Jura

| Sta | Phase | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|--------|------------|------|-----|-----|------|-------|-----|
| BFO | e Pg Z | 16:27:38.7 | 0.5 | | | 57.7 | 284.7 | |
| | e Sg N | 16:27:44.8 | -0.2 | | | | | |

Unassociated arrivals

| Sta | Phase | Date | Time | TRes | Def | S/N | Dist | EvAz | Mag |
|-----|-------|------------|------------|------|-----|-----|------|------|-----|
| BRG | e Sg | 2003/11/01 | 00:27:08.5 | | | | | | |
| BRG | e Sg | 2003/11/01 | 09:18:07.3 | | | | | | |
| BRG | e Sg | 2003/11/01 | 15:29:30.1 | | | | | | |

| | | | | |
|-----|---|------|------------|------------|
| BRG | e | Sg | 2003/11/01 | 18:44:52.3 |
| BRG | e | Sg | 2003/11/02 | 04:08:21.7 |
| BRG | e | Pg | 2003/11/02 | 12:10:05.5 |
| BRG | i | Sg | 2003/11/02 | 12:10:10.6 |
| BRG | e | Sg | 2003/11/03 | 12:04:05.3 |
| SCE | i | Pn - | 2003/11/04 | 08:15:33.5 |
| OGA | i | Pg - | 2003/11/04 | 15:17:31.3 |
| BRG | e | Sg | 2003/11/04 | 23:14:09.0 |
| BRG | e | Sg | 2003/11/06 | 03:04:54.0 |
| CLL | i | Sg | 2003/11/06 | 08:23:14.7 |
| BRG | e | Sg | 2003/11/07 | 22:00:46.6 |
| BRG | e | Sg | 2003/11/08 | 06:37:26.6 |
| BRG | e | Sg | 2003/11/08 | 10:11:43.2 |
| BRG | e | Sg | 2003/11/09 | 00:03:14.8 |
| SCE | i | Pg + | 2003/11/09 | 13:43:49.5 |
| SCE | i | Sg | 2003/11/09 | 13:44:01.2 |
| BRG | e | Sg | 2003/11/09 | 23:46:54.8 |
| BRG | e | Sg | 2003/11/10 | 08:42:22.7 |
| BRG | e | Sg | 2003/11/11 | 12:34:07.8 |
| BRG | e | Sg | 2003/11/12 | 09:10:56.1 |
| BRG | e | Sg | 2003/11/12 | 15:39:59.8 |
| BRG | e | Sg | 2003/11/12 | 23:14:14.9 |
| BRG | e | Sg | 2003/11/13 | 13:25:53.6 |
| BRG | e | Sg | 2003/11/14 | 05:02:20.7 |
| SCE | i | Pg - | 2003/11/14 | 21:09:57.2 |
| SCE | i | Sg | 2003/11/14 | 21:10:06.9 |
| BRG | e | Sg | 2003/11/15 | 05:06:40.4 |
| BRG | e | Sg | 2003/11/15 | 05:25:21.7 |
| BRG | e | Sg | 2003/11/15 | 11:51:55.2 |
| BRG | e | Sg | 2003/11/15 | 22:12:52.7 |
| BRG | e | Sg | 2003/11/15 | 22:18:15.4 |

ML 1.5

ML 1.7

| | | | | | |
|-----|---|------|------------|------------|--------|
| BRG | i | Pg | 2003/11/16 | 23:57:43.2 | |
| BRG | i | Sg | 2003/11/16 | 23:57:47.1 | ML 1.3 |
| CLL | i | Pg | 2003/11/16 | 23:57:54.3 | |
| CLL | i | Sg | 2003/11/16 | 23:58:07.7 | ML 1.2 |
| BRG | e | Sg | 2003/11/17 | 12:38:34.9 | |
| SCE | i | Pg - | 2003/11/18 | 00:44:20.8 | |
| SCE | i | Sg | 2003/11/18 | 00:44:37.7 | |
| BRG | e | Sg | 2003/11/18 | 07:32:57.7 | |
| BRG | e | Sg | 2003/11/18 | 21:24:04.9 | |
| MOX | e | Pn | 2003/11/19 | 03:54:53.2 | |
| MOX | e | Pg | 2003/11/19 | 03:55:01.4 | |
| MOX | e | Sg | 2003/11/19 | 03:55:41.0 | |
| BRG | e | Sg | 2003/11/19 | 09:52:32.9 | |
| MOX | e | Sg | 2003/11/19 | 11:12:15.6 | |
| BRG | e | Sg | 2003/11/20 | 09:57:22.4 | |
| BRG | e | Sg | 2003/11/20 | 19:24:03.6 | |
| MOX | e | Sg | 2003/11/20 | 22:16:08.9 | |
| BRG | e | Sg | 2003/11/21 | 09:05:53.2 | |
| BRG | e | Sg | 2003/11/21 | 23:16:14.4 | |
| BRG | e | Sg | 2003/11/23 | 16:11:47.4 | |
| BRG | e | Sg | 2003/11/24 | 18:19:37.7 | |
| BRG | e | Sg | 2003/11/25 | 12:14:18.1 | |
| BRG | e | Sg | 2003/11/25 | 14:50:48.3 | |
| BRG | e | Sg | 2003/11/25 | 18:55:55.0 | |
| BRG | e | Sg | 2003/11/25 | 19:03:47.8 | |
| SCE | i | Pg - | 2003/11/25 | 23:50:09.8 | |
| BRG | e | Sg | 2003/11/26 | 05:24:08.7 | |
| BRG | e | Sg | 2003/11/27 | 06:35:46.8 | |
| BRG | e | Sg | 2003/11/27 | 10:27:17.6 | |
| BRG | i | Pg | 2003/11/28 | 00:17:57.5 | |
| BRG | i | Sg | 2003/11/28 | 00:18:09.6 | |
| CLL | e | Pg | 2003/11/28 | 00:17:56.8 | |
| CLL | i | Sg | 2003/11/28 | 00:18:07.3 | |

| | | | |
|-----|---|------|-----------------------|
| BRG | e | Sg | 2003/11/28 01:14:15.6 |
| BRG | e | Sg | 2003/11/28 05:09:08.6 |
| BRG | e | Sg | 2003/11/28 05:10:56.6 |
| SCE | i | Pg - | 2003/11/28 12:04:27.6 |
| SCE | e | Sg | 2003/11/28 12:04:32.8 |
| BRG | e | Sg | 2003/11/28 20:33:25.8 |
| SCE | i | Pg + | 2003/11/29 00:22:46.0 |
| BRG | e | Sg | 2003/11/29 14:37:28.9 |
| BRG | e | Sg | 2003/11/29 15:18:26.0 |

ML 1.5