

| Sta. | Δ | Az | Phase | UTC | Resid | T | A | Sta. | Δ | Az | Phase | UTC | Resid | T | A |
|--|----------|--------|------------------|-------------|-------|------|------------|------|----------|--------|------------------|-------------|-------|------|------------|
| code | (deg.) | (deg.) | | h min s | (s) | (s) | (μ m) | code | (deg.) | (deg.) | | h min s | (s) | (s) | (μ m) |
| <p>1987 4 1 O=01 48 07.3 \pm 0.26s LAT=22.66 S \pm 2.46km LONG= 66.27 W \pm 2.22km DEPTH=233 km \pm 2.32km STATIONS USED = 93, STAND DEV = 1.39s $m_B = 6.4 / 11$</p> | | | | | | | | | | | | | | | |
| KSH | 143.9 | 54 | PKP | 02 07 14.0 | -2.0 | | | | | | PKP ₂ | 02 08 32.0 | | | |
| | | | sPKP | 02 08 30.0 | | | | | | | PP | 02 12 21.0 | 6.9 | | |
| | | | PP | 02 10 31.0 | -3.4 | | | | | | SKKS | 02 18 44.0 | | | |
| | | | PPMZ | $m_B = 6.9$ | | 5.0 | 7.80 | | | | LN | | | 18.0 | 3.96 |
| WMQ | 149.9 | 39 | PKP | 02 07 26.4 | 0.5 | | | BTO | 161.8 | 9 | PKP | 02 07 41.0 | -0.3 | | |
| | | | sPKP | 02 08 43.0 | | | | | | | PKP ₂ | 02 08 30.0 | | | |
| | | | PP | 02 11 11.0 | 2.2 | | | | | | pPKP | 02 08 37.0 | -3.2 | | |
| | | | SKKS | 02 17 34.0 | | | | | | | SKKS | 02 18 37.0 | | | |
| | | | LE | | | 30.0 | 11.9 | | | | SS | 02 32 08.0 | -2.8 | | |
| MDJ | 154.5 | 333 | ePKP | 02 07 32.0 | -0.4 | | | DL2 | 162.5 | 339 | ePKP | 02 07 42.0 | 0.2 | | |
| | | | pPKP | 02 08 30.0 | -1.2 | | | | | | PKP ₂ | 02 08 31.0 | | | |
| | | | sPKP | 02 07 56.0 | | | | | | | pPKP | 02 08 45.0 | 4.2 | | |
| | | | PKP ₂ | 02 09 04.0 | | | | | | | PP | 02 12 13.5 | -4.1 | | |
| | | | PP | 02 11 31.0 | -3.7 | | | | | | PPMZ | $m_B = 6.4$ | | 7.0 | 2.43 |
| | | | PPMZ | $m_B = 6.4$ | | 6.0 | 2.10 | | | | cSKKS | 02 18 35.0 | | | |
| | | | SKKS | 02 17 54.0 | | | | | | | LN | | | 18.0 | 3.00 |
| | | | SS | 02 30 50.0 | -3.1 | | | BJI | 162.6 | 354 | +PKP | 02 07 42.0 | 0.1 | | |
| | | | LE | | | 30.0 | 13.1 | | | | PKP ₂ | 02 08 32.0 | | | |
| CN2 | 156.8 | 338 | -PKP | 02 07 33.0 | -2.5 | | | | | | pPKP | 02 08 44.0 | 3.1 | | |
| | | | pPKP | 02 08 30.0 | -4.3 | | | | | | PP | 02 12 14.0 | -3.9 | | |
| | | | PKP ₂ | 02 08 50.0 | | | | | | | PPMZ | $m_B = 6.3$ | | 12.0 | 3.68 |
| | | | ePP | 02 11 44.0 | -3.2 | | | LZH | 164.1 | 31 | ePKP | 02 07 44.5 | 0.9 | | |
| | | | PPMZ | $m_B = 6.2$ | | 8.0 | 1.80 | | | | PKP ₂ | 02 08 40.0 | | | |
| | | | SKKS | 02 18 10.0 | | | | | | | PP | 02 12 23.0 | -3.8 | | |
| | | | eSS | 02 31 14.0 | -3.6 | | | | | | PPMZ | $m_B = 6.7$ | | 6.0 | 5.00 |
| LSA | 158.6 | 66 | ePKP | 02 07 38.6 | 0.4 | | | | | | SS | 02 32 34.0 | -0.3 | | |
| | | | PKP ₂ | 02 08 13.0 | | | | TIY | 165.0 | 4 | ePKP | 02 07 43.4 | -1.0 | | |
| | | | sPKP | 02 09 10.0 | | | | | | | iPP | 02 12 28.0 | -3.0 | | |
| | | | SKKS | 02 18 23.0 | | | | | | | PPMZ | | | 18.0 | 4.22 |
| | | | -PKP | 02 07 37.0 | -1.4 | | | | | | SS | 02 32 44.0 | 1.3 | | |
| | | | PKP ₂ | 02 08 17.5 | | | | TIA | 166.2 | 348 | PKP | 02 07 45.5 | 0.2 | | |
| | | | PP | 02 11 57.5 | -2.7 | | | | | | PKP ₂ | 02 08 47.0 | | | |
| | | | SKKS | 02 18 13.0 | | | | | | | pPKP | 02 08 43.0 | -1.4 | | |
| SNY | 159.2 | 339 | -PKP | 02 07 37.0 | -1.4 | | | | | | sPKP | 02 09 08.0 | | | |
| | | | PKP ₂ | 02 08 17.5 | | | | | | | PP | 02 12 34.0 | -3.3 | | |
| | | | PP | 02 11 57.5 | -2.7 | | | | | | PPMZ | $m_B = 6.3$ | | 9.0 | 2.68 |
| | | | SKKS | 02 18 13.0 | | | | | | | SKS | 02 14 22.0 | -1.0 | | |
| GTA | 159.5 | 32 | PKP | 02 07 38.5 | -0.5 | | | | | | SKKS | 02 18 54.0 | | | |
| | | | PKP ₂ | 02 08 19.0 | | | | | | | LN | | | 25.0 | 5.43 |
| | | | PP | 02 11 59.0 | -2.8 | | | | | | LE | | | 25.0 | 7.20 |
| | | | SKKS | 02 18 23.5 | | | | CD2 | 167.9 | 45 | ePKP | 02 07 45.8 | -0.6 | | |
| | | | LE | | | 17.0 | 2.18 | | | | PKP ₂ | 02 08 56.0 | | | |
| HHC | 161.8 | 5 | +iPKP | 02 07 43.0 | 1.8 | | | | | | PP | 02 12 47.0 | 1.2 | | |
| | | | | | | | | | | | SKKS | 02 19 09.0 | | | |

| $m_B = 4.9 / 2$ | | | | | | 1987 4 1 | | | | | |
|-----------------|------|-----|------|-------------|----------|-------------------|------------------|-----------------|--------------|-------------|-----------|
| KSH | 4.9 | 53 | P | 13 01 09.0 | -0.2 | O | 16 01 45.9 | | $\pm 0.16s$ | | |
| | | | sP | 13 01 56.0 | 3.2 | LAT | = 21.87 N | | $\pm 1.99km$ | | |
| | | | S | 13 02 07.0 | 0.3 | LONG | = 98.58 E | | $\pm 1.70km$ | | |
| | | | SME | | | DEPTH | = 14 km | | $\pm 0.22km$ | | |
| | | | | | | STATIONS USED | = 76, | STAND DEV | = 2.21s | | |
| WMQ | 14.7 | 56 | +iP | 13 03 12.2 | -1.7 | $M_s = 5.2 / 37,$ | $M_L = 5.2 / 3,$ | $m_B = 5.4 / 2$ | | | |
| | | | sP | 13 04 12.0 | 3.7 | KMI | 5.0 | 49 | Pn | 16 02 57.0 | -4.3 |
| | | | S | 13 05 56.8 | 5.7 | | | | Pg | 16 03 19.0 | 4.7 |
| | | | SMN | | | | | | Sg | 16 04 18.0 | -4.8 |
| LSA | 18.3 | 106 | +P | 13 03 54.9 | -0.6 | | | | LE | $M_s = 5.3$ | 8.0 35.9 |
| | | | S | 13 07 14.0 | 5.9 | GYA | 8.7 | 57 | P | 16 03 53.6 | -0.8 |
| | | | SME | $m_B = 5.0$ | 4.0 0.37 | | | | S | 16 05 30.6 | -2.0 |
| GTA | 22.9 | 74 | +iP | 13 04 42.5 | 1.4 | | | | SMN | $M_L = 5.5$ | 1.4 0.90 |
| LZH | 26.5 | 81 | +iP | 13 05 15.0 | 0.7 | | | | SME | | 1.4 1.10 |
| | | | PMZ | | | | | | LN | $M_s = 5.4$ | 9.0 15.0 |
| CD2 | 27.8 | 92 | +iP | 13 05 26.8 | 0.5 | | | | LE | | 9.0 13.4 |
| | | | PMZ | | | | | | CD2 | 10.1 | 26 |
| BTO | 30.7 | 70 | P | 13 05 51.8 | 0.4 | | | | eP | 16 04 14.4 | 0.1 |
| XAN | 31.0 | 83 | +iP | 13 05 54.0 | -0.4 | | | | eS | 16 06 10.0 | 1.2 |
| HHC | 31.8 | 70 | +P | 13 06 02.0 | 0.6 | | | | LE | $M_s = 5.6$ | 6.0 15.0 |
| GYA | 32.0 | 98 | +P | 13 06 02.6 | -0.3 | LSA | 10.3 | 321 | P | 16 04 15.3 | -1.4 |
| | | | PcP | 13 08 46.8 | -0.1 | | | | S | 16 06 13.0 | 1.1 |
| | | | S | 13 11 00.6 | 3.9 | | | | LN | $M_s = 4.4$ | 10.0 1.68 |
| | | | PcS | 13 12 27.4 | -2.8 | | | | LE | | 9.0 0.65 |
| TIY | 32.9 | 75 | +P | 13 06 11.0 | -0.1 | QZN | 10.9 | 103 | cP | 16 04 23.6 | -1.7 |
| | | | PMZ | | | | | | eS | 16 06 28.5 | 0.1 |
| | | | eS | 13 11 19.0 | 6.3 | | | | LN | $M_s = 4.9$ | 9.0 3.60 |
| BJI | 35.4 | 70 | -P | 13 06 33.0 | 1.1 | | | | LE | | 9.5 2.10 |
| | | | PcP | 13 08 56.5 | -0.1 | LZH | 14.9 | 17 | +iP | 16 05 20.0 | 1.7 |
| WHN | 36.5 | 87 | +iP | 13 06 42.0 | 1.0 | | | | PMZ | | 2.0 0.18 |
| | | | PMZ | | | | | | LN | $M_s = 5.3$ | 9.0 5.91 |
| TIA | 36.9 | 76 | cP | 13 06 45.0 | 0.2 | | | | LE | | 8.0 1.56 |
| QZN | 38.4 | 106 | eP | 13 06 56.2 | -0.4 | XAN | 15.2 | 35 | cP | 16 05 18.0 | -3.7 |
| GZH | 38.9 | 98 | +iP | 13 07 02.0 | 0.8 | | | | sP | 16 05 26.0 | -4.5 |
| NJ2 | 39.6 | 82 | -iP | 13 07 07.6 | 1.1 | | | | SS | 16 08 28.0 | 0.8 |
| | | | PcP | 13 09 09.6 | 0.2 | | | | LN | $M_s = 5.3$ | 7.0 4.15 |
| DL2 | 39.8 | 71 | P | 13 07 09.2 | 1.0 | | | | LE | | 8.0 3.27 |
| SNY | 40.6 | 66 | +iP | 13 07 15.0 | -0.3 | WHN | 16.6 | 55 | cP | 16 05 38.5 | -1.1 |
| | | | PcP | 13 09 13.0 | 0.2 | | | | eS | 16 08 41.0 | -2.0 |
| CN2 | 41.6 | 63 | +P | 13 07 23.6 | 0.0 | | | | iSS | 16 09 00.0 | -2.1 |
| | | | pP | 13 08 08.0 | -0.9 | | | | LN | $M_s = 5.3$ | 10.0 6.10 |
| | | | PcP | 13 09 16.0 | -0.2 | GTA | 17.5 | 3 | P | 16 05 52.5 | 0.7 |
| | | | ScP | 13 12 46.0 | 1.8 | | | | LE | $M_s = 5.3$ | 11.0 5.90 |
| SSE | 41.8 | 82 | -P | 13 07 25.5 | 1.0 | QZH | 18.6 | 77 | cP | 16 06 07.0 | 1.7 |
| | | | PMZ | | | | | | LN | $M_s = 5.2$ | 11.0 4.28 |
| | | | cPcP | 13 09 16.0 | -0.6 | TIY | 19.8 | 34 | P | 16 06 18.0 | -1.2 |
| | | | eS | 13 13 23.0 | -2.5 | NJ2 | 20.7 | 56 | cP | 16 06 29.0 | 0.6 |
| | | | esS | 13 14 47.0 | 2.0 | | | | LN | $M_s = 5.4$ | 11.0 6.10 |
| QZH | 42.2 | 92 | P | 13 07 28.7 | 0.4 | BTO | 21.0 | 25 | P | 16 06 31.0 | -1.2 |
| MDJ | 44.4 | 61 | cP | 13 07 44.5 | -1.5 | | | | | | |

1987 4 2
 O=13 13 36.5 ± 0.09s
 LAT=40.39 N ± 0.24km
 LONG=141.49 E ± 0.88km
 DEPTH=126 km ± 0.87km
 STATIONS USED = 18, STAND DEV = 1.22s
 MDJ 9.7 300 -P 13 15 56.7 1.9
 BJI 19.3 277 eP 13 17 53.5 -0.9

1987 4 2
 O=13 28 03.6 ± 0.49s
 LAT=36.43 N ± 4.53km
 LONG= 81.04 E ± 0.62km
 DEPTH= 15 km
 STATIONS USED = 7, STAND DEV = 3.84s

$M_L = 4.0 / 4,$
 KSH 5.0 309 ePg 13 29 36.5 4.2
 Sg 13 30 39.5 -1.0
 SME $M_L = 4.2$ 0.2 0.30

1987 4 2
 O=13 30 42.5 ± 0.14s
 LAT=35.88 N ± 1.35km
 LONG= 80.76 E ± 1.41km
 DEPTH= 21 km ± 0.35km
 STATIONS USED = 44, STAND DEV = 2.18s
 $M_s = 4.6 / 4, M_L = 4.9 / 4,$
 KSH 5.2 315 Pg 13 32 14.0 -0.8
 Sg 13 33 26.0 0.1
 LN $M_s = 4.5$ 8.0 5.60
 WMQ 9.6 32 P 13 33 02.6 0.4
 LN $M_s = 4.6$ 9.0 2.48
 GTA 15.5 71 P 13 34 26.7 4.8
 LN $M_s = 4.1$ 9.0 0.42
 LZH 18.7 83 P 13 35 01.5 -0.5
 CD2 19.8 98 eP 13 35 16.6 1.7
 KMI 21.7 114 eP 13 35 33.5 -1.2
 XAN 23.1 86 eP 13 35 48.4 -0.1
 GYA 24.0 106 P 13 35 57.6 0.4
 TIY 25.4 76 eP 13 36 10.4 0.1
 eS 13 40 33.5 0.2
 LN $M_s = 4.6$ 19.0 1.07
 SSE 33.9 86 eP 13 37 26.0 -0.3
 PcS 13 43 46.0 -3.1

1987 4 2
 O=15 38 27.4 ± 0.17s
 LAT=52.80 N ± 5.05km
 LONG=168.31 W ± 2.80km

DEPTH = 33 km ± 0.69km
 STATIONS USED = 34, STAND DEV = 1.20s
 CN2 43.5 286 eP 15 46 29.0 -1.1
 WHN 58.9 281 eP 15 48 25.5 -0.6
 XAN 59.6 287 P 15 48 30.2 -0.8
 GTA 60.9 298 P 15 48 38.0 -1.7
 CD2 64.9 288 eP 15 49 06.3 0.2
 GYA 66.5 283 P 15 49 16.4 -0.1
 KMI 69.8 285 eP 15 49 37.5 0.2

1987 4 2
 O=18 45 41.7 ± 0.08s
 LAT=36.22 N ± 1.45km
 LONG= 71.09 E ± 1.36km
 DEPTH=103 km ± 0.35km
 STATIONS USED = 105, STAND DEV = 1.26s
 $m_B = 5.7 / 31$
 KSH 5.0 49 +iP 18 46 59.5 2.9
 S 18 47 54.0 0.2
 WMQ 14.8 54 -iP 18 49 05.0 -2.2
 sP 18 49 36.5 0.3
 LN 6.0 4.34
 LSA 18.0 105 -P 18 49 45.4 -2.3
 SS 18 53 26.0 -2.9
 GTA 22.9 73 -iP 18 50 38.5 1.1
 PMZ $m_B = 6.0$ 3.5 2.28
 sP 18 51 16.0 4.4
 LN 10.0 2.60
 LE 8.0 3.09
 LZH 26.4 80 -iP 18 51 12.0 1.3
 PMZ 1.5 0.49
 PP 18 51 52.0 -5.5
 S 18 55 33.0 -0.8
 SMN $m_B = 5.8$ 8.0 2.67
 ScS 19 01 52.0 0.5
 CD2 27.7 92 +iP 18 51 22.6 0.4
 PMZ 1.2 0.55
 pP 18 51 47.5 3.1
 S 18 55 59.0 4.6
 KMI 29.3 103 -P 18 51 36.0 -0.8
 PMZ $m_B = 5.9$ 4.0 0.90
 pP 18 52 01.0 2.0
 sP 18 52 12.0 0.4
 S 18 56 20.0 0.0
 sS 18 57 03.0 2.7
 SS 18 58 01.0 2.3
 BTO 30.6 70 -iP 18 51 49.5 0.6
 pP 18 52 13.5 2.1
 ePP 18 52 54.0 1.4
 S 18 56 42.5 0.7

| | | | | | | | | | | | | | | |
|-----|------|-----|-----|------------|------|------|-----|------|-----|------------|------------|------|------------|------|
| | | | esS | 18 57 25.0 | 2.7 | | | | eS | 18 58 36.5 | -0.8 | | | |
| | | | SS | 18 58 33.0 | 2.2 | | | | sS | 18 59 20.0 | 2.2 | | | |
| | | | LN | | 11.0 | 1.00 | GZH | 38.7 | 98 | -iP | 18 52 58.0 | 0.6 | | |
| | | | LE | | 11.0 | 0.70 | | | | pP | 18 53 22.0 | 1.3 | | |
| XAN | 30.9 | 83 | -iP | 18 51 50.2 | -0.8 | | | | | sP | 18 53 33.0 | -0.1 | | |
| | | | sP | 18 52 27.5 | 1.3 | | | | | S | 18 58 40.0 | -5.7 | | |
| | | | S | 18 56 48.0 | 2.3 | | | | | LE | | 10.0 | 0.76 | |
| | | | sS | 18 57 27.5 | 1.2 | | | | NJ2 | 39.4 | 82 | -iP | 18 53 04.0 | 0.4 |
| | | | LN | | 7.0 | 0.41 | | | | S | 18 58 59.0 | 2.0 | | |
| | | | LE | | 9.0 | 0.83 | | | | SMN | $m_B=5.8$ | 7.0 | 1.30 | |
| GYA | 31.8 | 98 | -P | 18 51 58.0 | -0.6 | | | | | sS | 18 59 44.0 | 5.4 | | |
| | | | PMZ | | 2.0 | 0.70 | | | | ScS | 19 02 57.0 | -1.5 | | |
| | | | sP | 18 52 34.0 | 0.2 | | | | DL2 | 39.7 | 70 | P | 18 53 07.5 | 1.4 |
| | | | PcP | 18 54 46.0 | -1.1 | | | | | PMZ | | 1.0 | 0.79 | |
| | | | S | 18 57 00.0 | 0.8 | | | | | pP | 18 53 30.0 | 0.5 | | |
| | | | ScS | 19 02 13.0 | -3.5 | | | | | S | 18 59 04.0 | 2.6 | | |
| HHC | 31.8 | 69 | -P | 18 51 59.0 | 0.0 | | | | | LN | | 8.0 | 1.08 | |
| | | | S | 18 57 02.5 | 2.7 | | | | SNY | 40.6 | 66 | -iP | 18 53 13.0 | -0.5 |
| | | | LN | | 7.0 | 0.50 | | | | S | 18 59 15.0 | 0.3 | | |
| | | | LE | | 7.0 | 0.66 | | | | SMN | $m_B=5.4$ | 8.0 | 0.57 | |
| TIY | 32.9 | 75 | -iP | 18 52 08.5 | 0.1 | | | | | sS | 18 59 56.5 | 0.0 | | |
| | | | PMZ | | 1.2 | 0.23 | | | | SS | 19 02 16.0 | 1.1 | | |
| | | | pP | 18 52 33.5 | 2.4 | | | | | ScS | 19 03 04.0 | -1.5 | | |
| | | | S | 18 57 18.0 | 1.3 | | | | | LN | | 15.0 | 1.16 | |
| | | | SMN | $m_B=5.2$ | 9.0 | 0.62 | SSE | 41.6 | 82 | +P | 18 53 22.5 | 0.8 | | |
| | | | sS | 18 58 01.0 | 3.5 | | | | | PMZ | | 1.0 | 0.15 | |
| | | | LN | | 8.0 | 0.95 | | | | pP | 18 53 48.0 | 2.7 | | |
| BJI | 35.4 | 70 | -P | 18 52 30.0 | 0.3 | | | | | sP | 18 53 59.0 | 1.5 | | |
| | | | sP | 18 53 08.0 | 2.7 | | | | | iS | 18 59 32.0 | 1.4 | | |
| | | | PP | 18 53 50.0 | -0.9 | | | | | SMN | $m_B=5.7$ | 6.0 | 0.85 | |
| | | | eS | 18 57 58.0 | 1.8 | | | | | sS | 19 00 15.0 | 3.5 | | |
| | | | SMN | $m_B=5.3$ | 8.0 | 0.53 | | | | eSS | 19 02 32.0 | -2.3 | | |
| | | | ScP | 18 58 34.0 | 1.7 | | | | | ScS | 19 03 16.0 | 4.5 | | |
| | | | esS | 18 58 42.0 | 5.6 | | | | | LN | | 14.0 | 0.69 | |
| WHN | 36.3 | 86 | -P | 18 52 38.2 | 0.4 | | | | CN2 | 41.7 | 62 | -P | 18 53 21.0 | -1.0 |
| | | | PMZ | | 3.0 | 1.55 | | | | pP | 18 53 46.0 | 0.5 | | |
| | | | sP | 18 53 15.0 | 1.6 | | | | | eS | 18 59 28.0 | -3.1 | | |
| | | | S | 18 58 10.0 | 0.0 | | | | | SMN | $m_B=5.4$ | 7.0 | 0.50 | |
| | | | SMN | $m_B=5.3$ | 10.0 | 0.74 | | | | sS | 19 00 12.0 | 0.0 | | |
| | | | sS | 18 58 54.0 | 2.8 | | | | | SS | 19 02 31.0 | -3.9 | | |
| | | | LN | | 10.0 | 1.07 | QZH | 42.0 | 92 | +P | 18 53 26.0 | 1.0 | | |
| TIA | 36.9 | 76 | -P | 18 52 42.7 | 0.4 | | | | | S | 18 59 38.0 | 2.5 | | |
| | | | pP | 18 53 08.9 | 3.4 | | | | | SMN | $m_B=5.5$ | 6.0 | 0.47 | |
| | | | sP | 18 53 20.0 | 2.2 | | | | | sS | 19 00 20.0 | 2.5 | | |
| | | | S | 18 58 21.5 | 3.5 | | | | | LN | | 8.0 | 0.39 | |
| | | | SMN | $m_B=5.7$ | 7.0 | 1.07 | MDJ | 44.5 | 60 | +P | 18 53 44.5 | -0.3 | | |
| | | | sS | 18 59 03.0 | 3.6 | | | | | pP | 18 54 09.0 | 0.5 | | |
| | | | ScS | 19 02 42.5 | -1.2 | | | | | S | 19 00 10.0 | -0.9 | | |
| | | | LN | | 10.5 | 0.77 | | | | SMN | $m_B=5.4$ | 8.0 | 0.45 | |
| QZN | 38.1 | 106 | eP | 18 52 51.1 | -1.2 | | | | | LN | | 8.0 | 0.81 | |

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1987 4 2
 O = 19 21 13.4 ± 0.04s
 LAT = 29.89 N ± 0.69km
 LONG = 139.23 E ± 0.82km
 DEPTH = 389 km ± 0.23km
 STATIONS USED = 45, STAND DEV = 0.70s

| | | | | | |
|-----|------|-----|-----|------------|------|
| MDJ | 16.6 | 335 | eP | 19 24 45.0 | 0.1 |
| DL2 | 17.1 | 306 | eP | 19 24 50.0 | 0.0 |
| SNY | 17.4 | 317 | -iP | 19 24 53.4 | 0.3 |
| NJ2 | 17.6 | 282 | eP | 19 24 56.0 | 0.4 |
| CN2 | 17.7 | 325 | -P | 19 24 56.7 | 0.2 |
| | | | sP | 19 26 32.0 | -3.6 |
| TIA | 19.6 | 295 | eP | 19 25 15.0 | 0.1 |
| BJI | 21.4 | 304 | eP | 19 25 32.0 | -0.5 |
| TIY | 23.5 | 296 | eP | 19 25 51.4 | -1.2 |
| HHC | 25.0 | 303 | P | 19 26 05.2 | -0.4 |
| XAN | 26.0 | 287 | eP | 19 26 14.2 | -0.6 |
| BTO | 26.0 | 302 | eP | 19 26 14.8 | -0.4 |
| CD2 | 30.5 | 281 | +iP | 19 26 54.5 | -0.2 |
| GTA | 33.6 | 297 | -iP | 19 27 20.4 | -0.3 |
| WMQ | 42.8 | 304 | P | 19 28 37.4 | 0.4 |

1987 4 2
 O = 22 55 45.4 ± 0.13s
 LAT = 15.91 N ± 2.53km
 LONG = 122.17 E ± 2.65km
 DEPTH = 41 km ± 0.83km
 STATIONS USED = 57, STAND DEV = 2.21s
 Ms = 4.2 / 6,

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| QZN | 12.2 | 287 | eP | 22 58 38.3 | -0.8 |
| | | | LN | Ms=4.1 | 16.0 1.10 |
| SSE | 15.1 | 357 | eP | 22 59 20.5 | 2.2 |
| | | | epP | 22 59 27.0 | 0.5 |
| | | | eSS | 23 02 24.0 | 1.7 |
| | | | LE | Ms=3.9 | 20.0 0.58 |
| WHN | 16.2 | 335 | eP | 22 59 35.0 | 2.8 |
| NJ2 | 16.3 | 350 | +P | 22 59 37.0 | 3.3 |
| GYA | 17.8 | 309 | P | 22 59 52.0 | -0.7 |
| KMI | 20.4 | 300 | eP | 23 00 21.5 | 0.0 |
| TIA | 20.7 | 348 | eP | 23 00 23.7 | -1.3 |
| XAN | 21.6 | 329 | P | 23 00 33.7 | -0.7 |
| CD2 | 22.5 | 315 | eP | 23 00 42.0 | -0.9 |
| DL2 | 22.9 | 359 | eP | 23 00 49.0 | 2.0 |
| TIY | 23.4 | 340 | eP | 23 00 50.1 | -1.3 |
| | | | eS | 23 04 57.0 | -0.7 |
| | | | LN | Ms=4.5 | 19.0 1.06 |
| BJI | 24.6 | 349 | eP | 23 01 03.0 | -0.4 |
| SNY | 25.9 | 2 | +P | 23 01 14.2 | -1.0 |
| LZH | 25.9 | 324 | eP | 23 01 15.0 | -0.8 |

| | | | | | |
|-----|------|-----|----|------------|------|
| HHC | 26.5 | 342 | eP | 23 01 20.4 | -1.0 |
| BTO | 26.8 | 339 | eP | 23 01 22.5 | -1.3 |
| CN2 | 27.9 | 5 | eP | 23 01 32.0 | -2.4 |
| MDJ | 29.3 | 11 | eP | 23 01 44.8 | -1.7 |
| GTA | 30.5 | 325 | eP | 23 01 55.0 | -2.4 |

1987 4 3
 O = 01 17 10.7 ± 0.07s
 LAT = 49.90 N ± 1.19km
 LONG = 78.82 E ± 1.10km
 DEPTH = 23 km ± 0.23km
 STATIONS USED = 104, STAND DEV = 1.19s
 Ms = 5.2 / 28, M_L = 5.9 / 1,

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| WMQ | 8.6 | 132 | +iP | 01 19 16.0 | -1.1 |
| | | | S | 01 20 54.0 | -0.1 |
| | | | LN | Ms=5.8 | 4.0 21.5 |
| KSH | 10.6 | 192 | P | 01 19 45.5 | 0.3 |
| | | | eS | 01 21 41.0 | -3.7 |
| | | | LE | | 3.0 17.4 |
| GTA | 18.2 | 117 | P | 01 21 22.0 | -1.9 |
| | | | eS | 01 24 50.0 | 6.5 |
| | | | LN | Ms=5.3 | 6.5 2.30 |
| | | | LE | | 6.0 2.27 |
| LSA | 22.2 | 151 | +P | 01 22 08.1 | 0.0 |
| | | | eS | 01 26 14.0 | 6.8 |
| | | | LN | Ms=4.7 | 10.0 0.64 |
| | | | LE | | 8.0 0.52 |
| LZH | 22.8 | 118 | +iP | 01 22 14.0 | 0.7 |
| | | | PMZ | | 1.5 1.21 |
| | | | LN | Ms=5.3 | 9.0 2.71 |
| | | | LE | | 10.0 2.33 |
| BTO | 23.7 | 101 | +iP | 01 22 23.0 | 0.8 |
| | | | eS | 01 26 32.0 | -0.8 |
| | | | LN | Ms=5.3 | 10.0 2.50 |
| | | | LE | | 10.0 2.50 |
| HHC | 24.6 | 99 | +P | 01 22 31.0 | 0.6 |
| | | | S | 01 26 45.0 | -1.4 |
| | | | PcS | 01 29 53.0 | 5.7 |
| | | | LN | Ms=5.7 | 9.0 3.69 |
| | | | LE | | 10.0 6.42 |
| CD2 | 26.6 | 126 | +iP | 01 22 49.8 | -0.2 |
| | | | PMZ | | 0.8 0.57 |
| | | | eS | 01 27 22.0 | 0.1 |
| TIY | 26.9 | 104 | +iP | 01 22 52.8 | 0.3 |
| | | | PMZ | | 0.9 0.13 |
| | | | eS | 01 27 23.0 | -3.4 |
| | | | LN | Ms=5.4 | 10.0 2.46 |
| | | | LE | | 9.0 1.67 |
| XAN | 27.2 | 114 | +iP | 01 22 54.5 | -0.5 |
| | | | LN | Ms=5.1 | 9.0 1.44 |

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|--|
| BJI | 27.9 | 96 | +iP | 01 23 02.0 | 0.2 | | |
| | | | PcP | 01 26 17.0 | 0.5 | | |
| | | | eS | 01 27 48.0 | 5.1 | | |
| | | | LN | Ms=5.4 | 12.0 | 2.31 | |
| | | | LE | | 11.0 | 2.43 | |
| TIA | 30.8 | 102 | +P | 01 23 27.9 | 0.6 | | |
| | | | PcP | 01 26 23.8 | 0.1 | | |
| | | | LN | Ms=5.2 | 11.0 | 1.25 | |
| | | | LE | | 11.0 | 1.17 | |
| KMI | 30.9 | 134 | +P | 01 23 28.0 | -0.6 | | |
| | | | sP | 01 23 40.0 | 0.7 | | |
| | | | eS | 01 28 29.0 | -1.7 | | |
| | | | LN | Ms=4.7 | 14.0 | 0.80 | |
| GYA | 31.7 | 127 | +P | 01 23 34.8 | -0.8 | | |
| | | | PcP | 01 26 26.8 | 0.6 | | |
| | | | S | 01 28 38.0 | -4.0 | | |
| SNY | 31.8 | 87 | +iP | 01 23 35.3 | -0.8 | | |
| | | | PP | 01 24 35.0 | -6.0 | | |
| | | | PcP | 01 26 26.4 | 0.0 | | |
| | | | LN | Ms=5.2 | 8.0 | 0.85 | |
| | | | LE | | 9.0 | 1.19 | |
| CN2 | 32.0 | 83 | +iP | 01 23 37.6 | -0.7 | | |
| | | | eS | 01 28 46.0 | -1.9 | | |
| DL2 | 32.1 | 93 | +P | 01 23 38.0 | -0.6 | | |
| | | | LN | Ms=5.1 | 10.0 | 1.40 | |
| WHN | 32.9 | 113 | +iP | 01 23 45.7 | 0.1 | | |
| | | | PMZ | | 0.6 | 1.33 | |
| | | | PcP | 01 26 29.0 | -0.4 | | |
| | | | eS | 01 29 04.0 | 2.9 | | |
| | | | LN | Ms=5.3 | 10.0 | 2.14 | |
| MDJ | 34.3 | 79 | +iP | 01 23 57.4 | -0.6 | | |
| | | | PcP | 01 26 33.0 | -0.4 | | |
| NJ2 | 34.6 | 106 | +iP | 01 24 01.0 | 0.7 | | |
| | | | PcP | 01 26 34.2 | 0.0 | | |
| | | | LN | Ms=5.3 | 10.0 | 1.60 | |
| SSE | 36.7 | 105 | -iP | 01 24 18.5 | 0.3 | | |
| | | | PMZ | | 1.0 | 0.11 | |
| | | | PcP | 01 26 39.6 | -0.7 | | |
| | | | eS | 01 30 02.0 | 2.1 | | |
| | | | LN | Ms=5.0 | 10.0 | 0.66 | |
| | | | LE | | 10.0 | 0.48 | |
| GZH | 38.0 | 122 | +iP | 01 24 29.8 | 0.7 | | |
| QZN | 39.5 | 130 | +iP | 01 24 42.6 | 0.8 | | |
| QZH | 39.6 | 114 | eP | 01 24 42.5 | 0.5 | | |

STATIONS USED = 47, STAND DEV = 0.88s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| SSE | 79.3 | 312 | P | 03 43 36.6 | -1.0 |
| | | | PMZ | | 1.0 0.030 |
| NJ2 | 81.4 | 311 | +iP | 03 43 49.4 | 0.6 |
| MDJ | 83.3 | 326 | -P | 03 43 58.3 | 0.1 |
| WHN | 83.7 | 308 | P | 03 44 00.0 | -0.3 |
| SNY | 84.6 | 321 | eP | 03 44 04.5 | -0.1 |
| CN2 | 84.9 | 324 | -P | 03 44 05.5 | -0.5 |
| TIA | 85.1 | 314 | -P | 03 44 07.0 | 0.1 |
| GYA | 87.3 | 301 | P | 03 44 17.4 | -0.5 |
| BJI | 87.9 | 316 | eP | 03 44 20.5 | 0.1 |
| TIY | 89.0 | 313 | -iP | 03 44 26.2 | 0.5 |
| | | | PMZ | | 1.0 0.070 |
| KMI | 89.8 | 298 | eP | 03 44 30.0 | 0.5 |
| LZH | 94.1 | 308 | P | 03 44 50.0 | 0.7 |

1987 4 3
 O = 05 48 00.5 ± 0.07s
 LAT = 24.90 N ± 1.15km
 LONG = 95.18 E ± 0.73km
 DEPTH = 152 km ± 0.42km

STATIONS USED = 29, STAND DEV = 1.34s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| LSA | 6.0 | 324 | +P | 05 49 28.6 | 0.2 |
| KMI | 6.9 | 87 | eP | 05 49 40.0 | -0.1 |
| GYA | 10.5 | 79 | P | 05 50 31.0 | 3.1 |
| GTA | 15.0 | 14 | P | 05 51 28.3 | 2.2 |
| WHN | 17.9 | 67 | eP | 05 52 00.8 | -0.2 |
| NJ2 | 22.0 | 66 | +P | 05 52 44.0 | 1.0 |
| SSE | 23.8 | 69 | eP | 05 53 01.0 | 0.8 |
| | | | PMZ | | 1.0 0.030 |

1987 4 3
 O = 11 10 21.0 ± 0.24s
 LAT = 27.32 S ± 2.01km
 LONG = 63.49 W ± 2.87km
 DEPTH = 577 km ± 2.66km

STATIONS USED = 17, STAND DEV = 3.03s

| | | | | | |
|-----|-------|----|------|------------|------|
| KSH | 144.3 | 60 | PKP | 11 28 53.0 | -0.1 |
| LSA | 157.6 | 78 | ePKP | 11 29 13.3 | 0.1 |
| GTA | 161.6 | 45 | -PKP | 11 29 17.2 | 0.1 |

1987 4 3
 O = 17 44 49.7 ± 0.11s
 LAT = 4.17 S ± 1.62km
 LONG = 129.64 E ± 2.73km
 DEPTH = 33 km ± 0.19km

STATIONS USED = 53, STAND DEV = 1.48s
 Ms = 4.7 / 2,

| | | | | | |
|-----|------|-----|----|------------|-----|
| SSE | 36.0 | 348 | eP | 17 51 50.0 | 0.2 |
| | | | pP | 17 52 00.5 | 1.5 |

1987 4 3
 O = 03 32 21.4 ± 0.13s
 LAT = 25.19 S ± 1.35km
 LONG = 179.93 E ± 0.94km
 DEPTH = 485 km ± 1.75km

| | | | | | | | |
|-----|------|-----|----|------------|------|------|--|
| | | | S | 17 57 27.0 | 2.1 | | |
| | | | LE | Ms=4.2 | 28.0 | 0.39 | |
| WHN | 37.5 | 338 | eP | 17 52 03.0 | 0.6 | | |
| GYA | 37.7 | 325 | P | 17 52 05.0 | 0.5 | | |
| KMI | 39.1 | 319 | eP | 17 52 18.0 | 1.6 | | |
| XAN | 42.7 | 334 | eP | 17 52 45.0 | -1.1 | | |
| TIY | 44.6 | 340 | -P | 17 53 01.2 | -0.2 | | |
| BJI | 45.7 | 346 | eP | 17 53 09.0 | -0.8 | | |
| SNY | 46.1 | 354 | eP | 17 53 12.6 | -0.5 | | |
| LZH | 46.8 | 331 | eP | 17 53 18.5 | 0.1 | | |
| CN2 | 47.9 | 356 | eP | 17 53 26.0 | -1.1 | | |
| MDJ | 48.6 | 360 | eP | 17 53 32.5 | 0.2 | | |
| GTA | 51.3 | 330 | P | 17 53 53.1 | -0.6 | | |
| WMQ | 60.8 | 326 | P | 17 55 01.7 | -0.1 | | |

1987 4 3

O=17 54 22.7 ± 0.13s

LAT= 4.67 S ± 1.47km

LONG=144.27 E ± 1.76km

DEPTH= 90 km ± 0.57km

STATIONS USED = 98, STAND DEV = 1.31s

$m_B = 5.9 / 48$

| | | | | | | | |
|-----|------|-----|-----|-------------|------|------|--|
| QZH | 38.6 | 321 | -P | 18 01 39.0 | 0.1 | | |
| | | | PMZ | $m_B = 6.1$ | 3.5 | 1.04 | |
| | | | iS | 18 07 30.0 | 1.6 | | |
| | | | SME | $m_B = 5.9$ | 9.0 | 2.12 | |
| | | | LE | | 15.0 | 0.93 | |
| GZH | 40.9 | 314 | -iP | 18 02 01.0 | 3.0 | | |
| | | | pP | 18 02 15.0 | -3.9 | | |
| | | | sP | 18 02 28.0 | -1.8 | | |
| | | | S | 18 08 05.5 | 3.6 | | |
| | | | SMN | $m_B = 6.0$ | 8.0 | 1.49 | |
| | | | SME | | 10.0 | 2.03 | |
| | | | sS | 18 08 39.0 | -0.2 | | |
| | | | SS | 18 11 05.0 | 1.9 | | |
| QZN | 41.3 | 306 | P | 18 02 02.5 | 1.5 | | |
| | | | PcP | 18 03 58.0 | -0.3 | | |
| | | | S | 18 08 08.0 | 0.6 | | |
| | | | SME | $m_B = 5.7$ | 9.0 | 1.30 | |
| | | | sS | 18 08 51.0 | 6.3 | | |
| | | | SS | 18 11 10.5 | 0.0 | | |
| | | | LN | | 14.0 | 2.40 | |
| | | | LE | | 12.5 | 1.20 | |
| SSE | 41.8 | 330 | -P | 18 02 06.0 | 0.3 | | |
| | | | PMZ | | 1.0 | 0.16 | |
| | | | pP | 18 02 29.0 | 2.3 | | |
| | | | sP | 18 02 40.0 | 2.5 | | |
| | | | iS | 18 08 16.0 | -0.8 | | |
| | | | SMN | $m_B = 5.8$ | 8.0 | 0.63 | |
| | | | SME | | 8.0 | 1.19 | |

| | | | | | | | |
|-----|------|-----|------|-------------|------|------|--|
| | | | sS | 18 08 56.0 | 2.8 | | |
| | | | SS | 18 11 24.0 | 3.3 | | |
| | | | ScS | 18 11 58.0 | 1.5 | | |
| | | | LN | | 12.0 | 0.60 | |
| | | | LE | | 12.0 | 0.55 | |
| NJ2 | 43.8 | 328 | +P | 18 02 20.0 | -1.7 | | |
| | | | ScP | 18 07 52.5 | 3.9 | | |
| | | | iS | 18 08 50.0 | 4.6 | | |
| | | | SMN | $m_B = 6.1$ | 8.0 | 1.30 | |
| | | | SME | | 7.5 | 2.00 | |
| | | | LE | | 7.5 | 3.30 | |
| WHN | 45.2 | 323 | -P | 18 02 34.0 | 1.0 | | |
| | | | PMZ | $m_B = 6.1$ | 5.0 | 1.20 | |
| | | | sP | 18 03 08.0 | 3.1 | | |
| | | | iS | 18 09 10.0 | 4.2 | | |
| | | | SME | $m_B = 5.8$ | 9.0 | 1.30 | |
| | | | SS | 18 12 24.0 | 2.6 | | |
| | | | LN | | 16.0 | 0.84 | |
| GYA | 47.8 | 312 | P | 18 02 54.4 | 1.1 | | |
| | | | sP | 18 03 26.0 | 0.9 | | |
| | | | S | 18 09 47.0 | 5.9 | | |
| | | | ScS | 18 12 38.0 | 3.9 | | |
| TIA | 47.9 | 330 | P | 18 02 54.0 | -0.6 | | |
| | | | pP | 18 03 17.0 | 1.2 | | |
| | | | ScP | 18 08 08.3 | 2.4 | | |
| | | | S | 18 09 41.0 | -2.6 | | |
| | | | SMN | $m_B = 5.9$ | 9.0 | 0.81 | |
| | | | SME | | 9.0 | 1.32 | |
| | | | eScS | 18 12 38.3 | 3.1 | | |
| | | | LN | | 13.0 | 1.14 | |
| | | | LE | | 13.0 | 1.05 | |
| DL2 | 48.1 | 336 | -P | 18 02 57.0 | 0.9 | | |
| | | | PcP | 18 04 20.0 | -2.0 | | |
| | | | PP | 18 04 50.0 | 1.2 | | |
| | | | PcS | 18 08 19.0 | 2.8 | | |
| | | | eS | 18 09 52.0 | 4.6 | | |
| | | | LN | | 13.0 | 0.76 | |
| | | | LE | | 15.0 | 0.87 | |
| SNY | 50.0 | 340 | -iP | 18 03 09.4 | -0.7 | | |
| | | | PMZ | $m_B = 6.0$ | 5.5 | 1.12 | |
| | | | sP | 18 03 46.0 | 3.8 | | |
| | | | PcP | 18 04 25.0 | -3.6 | | |
| | | | PP | 18 05 06.0 | -1.0 | | |
| | | | iS | 18 10 16.0 | 3.2 | | |
| | | | SMN | $m_B = 6.0$ | 8.0 | 1.06 | |
| | | | SME | | 7.0 | 0.98 | |
| | | | sS | 18 10 56.0 | 5.9 | | |
| KMI | 50.0 | 308 | eP | 18 03 11.0 | 0.1 | | |
| | | | sP | 18 03 44.0 | 1.3 | | |
| | | | PP | 18 05 11.0 | 3.4 | | |

| | | | | | | | | | | | | |
|-----|------|-----|-------------|-------------|------|------|-----|------|-------------|------|------------|------|
| | | iS | 18 10 18.0 | 3.8 | | | | SME | $m_B = 5.9$ | 8.0 | 1.56 | |
| | | SME | $m_B = 6.1$ | 7.0 | 1.80 | | | sS | 18 12 07.0 | 1.9 | | |
| MDJ | 50.8 | 346 | eP | 18 03 15.8 | -0.7 | | | ScS | 18 13 32.0 | 5.2 | | |
| | | | pP | 18 03 39.0 | 1.1 | | | LE | | 26.0 | 1.67 | |
| | | | PcP | 18 04 30.0 | -1.6 | | GTA | 60.0 | 321 | -P | 18 04 22.4 | -0.5 |
| | | | S | 18 10 25.0 | 1.8 | | | PMZ | $m_B = 5.7$ | 6.0 | 0.54 | |
| | | | SMN | | 20.0 | 1.50 | | iS | 18 12 29.0 | 1.8 | | |
| XAN | 50.9 | 322 | P | 18 03 17.0 | -0.6 | | | SME | $m_B = 5.7$ | 12.0 | 1.51 | |
| | | | sP | 18 03 53.0 | 3.3 | | | SS | 18 16 18.0 | -6.7 | | |
| | | | ePP | 18 05 17.0 | 1.3 | | | LE | | 12.0 | 0.54 | |
| | | | ScP | 18 08 22.0 | 3.5 | | LSA | 61.3 | 307 | P | 18 04 31.8 | -0.1 |
| | | | S | 18 10 23.0 | -2.2 | | | sP | 18 05 07.5 | 3.6 | | |
| | | | SME | $m_B = 5.9$ | 10.0 | 1.69 | | iS | 18 12 46.0 | 1.9 | | |
| | | | LN | | 13.0 | 0.75 | | SME | $m_B = 5.7$ | 8.0 | 0.92 | |
| | | | LE | | 14.0 | 0.60 | WMQ | 70.0 | 320 | P | 18 05 27.0 | -0.5 |
| CN2 | 51.1 | 343 | +P | 18 03 18.0 | -1.1 | | | PMZ | | 2.0 | 0.18 | |
| | | | PMZ | $m_B = 5.9$ | 5.0 | 0.70 | | PcP | 18 05 47.0 | -1.3 | | |
| | | | sP | 18 03 53.0 | 1.8 | | | pP | 18 05 50.0 | 0.0 | | |
| | | | ScP | 18 08 18.0 | -1.4 | | | sP | 18 06 03.0 | 2.8 | | |
| | | | eS | 18 10 28.0 | -1.1 | | | S | 18 14 31.1 | 2.6 | | |
| BJI | 51.4 | 332 | eP | 18 03 20.5 | -0.8 | | | SME | $m_B = 6.0$ | 7.0 | 1.48 | |
| | | | PMZ | $m_B = 5.8$ | 4.0 | 0.53 | KSH | 76.4 | 312 | P | 18 06 07.0 | 1.8 |
| | | | eS | 18 10 30.0 | -3.2 | | | epP | 18 06 30.0 | 2.1 | | |
| | | | SMN | $m_B = 5.8$ | 6.0 | 0.43 | | esP | 18 06 42.0 | 4.0 | | |
| | | | SME | | 8.0 | 0.80 | | ePP | 18 08 56.0 | -3.1 | | |
| | | | LN | | 16.0 | 0.99 | | iS | 18 15 46.0 | 3.4 | | |
| TIY | 51.5 | 328 | -P | 18 03 21.5 | -0.4 | | | SME | $m_B = 6.4$ | 8.0 | 2.60 | |
| | | | S | 18 10 36.0 | 3.0 | | | | | | | |
| | | | SME | $m_B = 5.8$ | 8.0 | 0.93 | | | | | | |
| | | | SS | 18 14 07.0 | -0.5 | | | | | | | |
| | | | LN | | 16.0 | 1.68 | | | | | | |
| CD2 | 52.4 | 315 | P | 18 03 28.6 | 0.0 | | | | | | | |
| | | | S | 18 10 48.0 | 2.7 | | | | | | | |
| HHC | 54.3 | 330 | -P | 18 03 43.0 | 0.4 | | | | | | | |
| | | | sP | 18 04 12.0 | -2.7 | | | | | | | |
| | | | S | 18 11 16.0 | 5.2 | | | | | | | |
| | | | SME | $m_B = 5.7$ | 10.0 | 1.09 | | | | | | |
| | | | sS | 18 11 49.0 | -0.6 | | | | | | | |
| | | | ScS | 18 13 24.0 | 5.4 | | | | | | | |
| | | | LN | | 12.0 | 0.73 | | | | | | |
| BTO | 54.9 | 328 | P | 18 03 46.0 | -1.1 | | | | | | | |
| | | | pP | 18 04 09.5 | 0.8 | | | | | | | |
| | | | PP | 18 05 53.0 | 1.0 | | | | | | | |
| | | | S | 18 11 22.0 | 3.1 | | | | | | | |
| | | | LN | | 17.0 | 0.90 | | | | | | |
| | | | LE | | 17.0 | 1.10 | | | | | | |
| LZH | 55.4 | 320 | -P | 18 03 51.5 | 0.5 | | | | | | | |
| | | | sP | 18 04 22.0 | -1.1 | | | | | | | |
| | | | ScP | 18 08 43.0 | 5.0 | | | | | | | |
| | | | S | 18 11 28.0 | 1.9 | | | | | | | |

1987 4 4

O = 00 17 01.4 ± 0.31s

LAT = 14.48 S ± 2.57km

LONG = 70.95 W ± 2.79km

DEPTH = 159 km ± 2.78km

STATIONS USED = 41, STAND DEV = 2.43s

MDJ 145.3 334 -PKP 00 36 20.4 -0.8

WMQ 145.5 28 PKP 00 36 21.0 -0.8

CN2 147.6 338 cPKP 00 36 24.0 -1.1

SNY 150.0 338 -PKP 00 36 33.5 4.7

GTA 153.9 16 PKP 00 36 34.4 -0.3

TIA 157.2 343 cPKP 00 36 39.5 0.6

XAN 160.5 0 cPKP 00 36 43.4 0.5

GYA 167.9 10 PKP 00 36 49.6 0.0

1987 4 4

O = 07 58 39.0 ± 0.12s

LAT = 22.16 S ± 1.11km

LONG = 179.54 W ± 0.70km

DEPTH = 587 km ± 1.50km

STATIONS USED = 55, STAND DEV = 0.77s

$m_B = 5.5 / 1$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-----|------|
| SSE | 77.7 | 311 | eP | 08 09 37.1 | -0.7 | | |
| GZH | 79.3 | 300 | +iP | 08 09 47.5 | 1.1 | | |
| NJ2 | 79.8 | 311 | +iP | 08 09 50.2 | 0.9 | | |
| QZN | 80.2 | 295 | eP | 08 09 51.2 | -0.1 | | |
| MDJ | 81.1 | 326 | eP | 08 09 55.0 | -0.5 | | |
| | | | pP | 08 11 56.4 | -2.7 | | |
| WHN | 82.3 | 307 | eP | 08 10 02.0 | 0.3 | | |
| SNY | 82.6 | 321 | +iP | 08 10 03.0 | -0.1 | | |
| CN2 | 82.7 | 323 | -P | 08 10 03.0 | -1.1 | | |
| | | | PMZ | | | 2.0 | 0.30 |
| | | | pP | 08 12 10.0 | 1.8 | | |
| | | | eS | 08 19 33.0 | -1.9 | | |
| TIA | 83.3 | 313 | -P | 08 10 07.1 | 0.0 | | |
| BJI | 86.1 | 316 | eP | 08 10 20.5 | 0.2 | | |
| GYA | 86.2 | 300 | -P | 08 10 21.4 | 0.2 | | |
| TIY | 87.3 | 313 | +P | 08 10 26.9 | 0.6 | | |
| XAN | 88.0 | 308 | -iP | 08 10 29.9 | 0.5 | | |
| CD2 | 90.5 | 303 | eP | 08 10 40.8 | -0.2 | | |
| GTA | 96.9 | 310 | eP | 08 11 10.1 | -0.2 | | |

1987 4 4
 O=09 51 38.2 ± 0.11s
 LAT=16.83 S ± 2.18km
 LONG=172.44 W ± 2.65km
 DEPTH= 37 km ± 0.39km
 STATIONS USED = 52, STAND DEV = 1.21s
 Ms=5.2 / 1,

| | | | | | | | |
|-----|------|-----|-----|------------|------|--------|-----------|
| SSE | 79.6 | 307 | -P | 10 03 40.0 | -3.8 | | |
| | | | eS | 10 13 38.0 | -3.9 | | |
| MDJ | 80.7 | 322 | eP | 10 03 49.5 | -0.6 | | |
| CN2 | 82.8 | 320 | +P | 10 03 59.0 | -1.7 | | |
| | | | epP | 10 04 09.0 | -2.0 | | |
| | | | esP | 10 04 15.0 | -0.2 | | |
| | | | eS | 10 14 14.0 | -1.2 | | |
| SNY | 82.9 | 317 | -P | 10 04 01.4 | -0.2 | | |
| | | | eS | 10 14 16.0 | -0.9 | | |
| WHN | 84.7 | 304 | eP | 10 04 10.5 | 0.2 | | |
| TIA | 84.8 | 310 | -P | 10 04 11.2 | 0.0 | | |
| BJI | 87.1 | 313 | eP | 10 04 22.5 | 0.1 | | |
| TIY | 88.9 | 310 | eP | 10 04 31.2 | 0.3 | | |
| | | | eS | 10 15 17.0 | 2.6 | | |
| | | | LN | | | Ms=5.2 | 17.0 0.46 |
| GYA | 89.5 | 298 | P | 10 04 35.0 | 1.0 | | |
| XAN | 90.2 | 305 | eP | 10 04 37.2 | 0.0 | | |
| HHC | 90.7 | 313 | P | 10 04 40.0 | 0.6 | | |
| BTO | 91.7 | 312 | eP | 10 04 43.0 | -1.1 | | |
| KMI | 92.5 | 295 | eP | 10 04 48.0 | 0.2 | | |
| LZH | 94.8 | 306 | eP | 10 04 58.0 | -0.4 | | |

1987 4 4

O=11 00 27.4 ± 0.11s
 LAT=41.54 N ± 0.98km
 LONG= 79.14 E ± 1.44km
 DEPTH= 27 km ± 0.58km
 STATIONS USED = 8, STAND DEV = 3.00s
 ML=3.1 / 5,

| | | | | | | | |
|-----|-----|-----|-----|------------|-----|--|--|
| KSH | 3.2 | 230 | ePg | 11 01 25.0 | 0.9 | | |
| | | | Sg | 11 02 09.0 | 1.4 | | |
| WMQ | 6.7 | 67 | ePg | 11 02 28.0 | 1.9 | | |

1987 4 4
 O=12 12 16.3 ± 0.43s
 LAT=14.48 S ± 4.89km
 LONG= 75.23 W ± 3.46km
 DEPTH= 40 km ± 3.82km
 STATIONS USED = 43, STAND DEV = 2.68s

| | | | | | | | |
|-----|-------|-----|------|------------|------|--|--|
| MDJ | 143.3 | 330 | ePKP | 12 31 43.0 | -4.3 | | |
| KSH | 144.5 | 40 | ePKP | 12 31 46.0 | -3.6 | | |
| CN2 | 145.9 | 333 | PKP | 12 31 50.0 | -1.7 | | |
| | | | pPKP | 12 32 06.0 | 2.9 | | |
| WMQ | 147.3 | 23 | PKP | 12 31 55.5 | 1.2 | | |
| SNY | 148.3 | 333 | -PKP | 12 31 59.0 | 3.4 | | |
| HHC | 153.1 | 349 | ePKP | 12 32 05.0 | 1.9 | | |
| BTO | 153.6 | 351 | ePKP | 12 32 07.2 | 3.4 | | |
| GTA | 154.8 | 9 | +PKP | 12 32 06.0 | 0.5 | | |
| TIY | 155.9 | 345 | ePKP | 12 32 07.8 | 1.0 | | |
| XAN | 160.2 | 350 | PKP | 12 32 12.2 | 0.1 | | |
| GYA | 168.0 | 352 | PKP | 12 32 20.2 | 1.0 | | |

1987 4 4
 O=12 40 35.1 ± 0.14s
 LAT=34.01 N ± 1.62km
 LONG=114.59 E ± 1.04km
 DEPTH= 12 km ± 0.74km
 STATIONS USED = 8, STAND DEV = 3.95s

| | | | | | | | |
|-----|-----|-----|-----|------------|------|-------------|-----------|
| | | | | | | ML=2.8 / 8, | |
| TIA | 3.0 | 43 | Pn | 12 41 19.9 | -3.4 | | |
| | | | Pg | 12 41 25.4 | -3.1 | | |
| | | | SMN | | | ML=3.0 | 0.4 0.060 |
| | | | SME | | | | 0.4 0.060 |
| TIY | 4.1 | 335 | Pg | 12 41 50.5 | 3.0 | | |
| | | | Sg | 12 42 36.5 | -6.8 | | |
| | | | SME | | | ML=3.0 | 0.8 0.030 |
| XAN | 4.7 | 272 | Pn | 12 41 44.2 | -2.2 | | |
| | | | Pg | 12 41 58.2 | 0.0 | | |
| | | | cSg | 12 42 58.2 | -4.3 | | |
| | | | SMN | | | ML=2.7 | 0.6 0.010 |
| | | | SME | | | | 0.6 0.010 |

1987 4 4

O=15 59 06.7 ± 0.28s
LAT=36.71 N ± 4.43km
LONG= 28.33 E ± 2.34km
DEPTH= 21 km ± 0.42km
STATIONS USED = 46, STAND DEV= 1.72s

| | | | | | |
|-----|------|----|----|------------|------|
| WMQ | 45.0 | 62 | P | 16 07 23.5 | 0.3 |
| LSA | 52.2 | 78 | P | 16 08 19.0 | -0.4 |
| GTA | 55.0 | 64 | P | 16 08 38.8 | -0.7 |
| CD2 | 61.4 | 71 | eP | 16 09 24.2 | -0.5 |
| BTO | 61.7 | 59 | eP | 16 09 25.6 | -0.8 |
| HHC | 62.6 | 58 | eP | 16 09 33.0 | 0.2 |
| XAN | 63.9 | 66 | eP | 16 09 40.0 | -0.7 |
| TIY | 64.7 | 61 | eP | 16 09 45.9 | -0.1 |
| GYA | 65.8 | 74 | P | 16 09 53.2 | -0.4 |
| BJI | 66.1 | 57 | P | 16 09 55.5 | 0.1 |
| TIA | 68.7 | 60 | eP | 16 10 11.1 | -0.3 |
| WHN | 69.6 | 67 | P | 16 10 21.0 | 4.1 |
| SNY | 70.1 | 52 | +P | 16 10 19.6 | -0.5 |
| CN2 | 70.2 | 50 | -P | 16 10 20.0 | -0.9 |
| NJ2 | 72.1 | 63 | eP | 16 10 31.0 | -0.9 |
| MDJ | 72.3 | 47 | eP | 16 10 34.5 | 1.2 |

1987 4 4
O=17 41 56.8 ± 0.13s
LAT=11.56 S ± 1.50km
LONG=117.39 E ± 1.70km
DEPTH= 35 km ± 0.31km
STATIONS USED = 25, STAND DEV= 1.61s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| GYA | 39.2 | 345 | P | 17 49 24.4 | 0.6 |
| WHN | 42.0 | 356 | eP | 17 49 47.5 | 1.0 |
| CD2 | 44.2 | 343 | P | 17 50 05.0 | 0.1 |
| | | | PMZ | | 0.6 0.030 |
| XAN | 46.1 | 350 | eP | 17 50 18.9 | -0.8 |
| BJI | 51.3 | 359 | eP | 17 51 00.5 | 0.0 |
| GTA | 53.3 | 343 | P | 17 51 15.2 | 0.0 |
| CN2 | 55.6 | 7 | eP | 17 51 30.0 | -1.8 |
| MDJ | 57.0 | 10 | eP | 17 51 41.2 | -0.8 |

1987 4 4
O=17 45 12.7 ± 0.11s
LAT=42.55 N ± 1.20km
LONG= 80.10 E ± 1.29km
DEPTH= 29 km ± 0.31km
STATIONS USED = 33, STAND DEV= 2.23s
Ms=4.2/ 1, M_L=4.3/ 6,

| | | | | | |
|-----|-----|-----|----|------------|-----------------|
| KSH | 4.4 | 227 | Pg | 17 46 32.0 | 1.4 |
| | | | Sg | 17 47 30.0 | -0.5 |
| | | | LN | | Ms=4.2 4.0 1.90 |
| WMQ | 5.7 | 75 | Pn | 17 46 40.1 | 4.2 |
| | | | Pg | 17 46 53.0 | -0.4 |

| | | | | | |
|-----|------|-----|-----|---------------------|----------|
| | | | Sg | 17 48 10.5 | -0.9 |
| | | | SMN | M _L =4.4 | 1.5 0.31 |
| GTA | 15.2 | 95 | -P | 17 48 44.0 | -3.5 |
| LSA | 15.6 | 142 | P | 17 48 54.1 | 1.2 |
| TIY | 25.1 | 90 | +P | 17 50 38.3 | 1.5 |

1987 4 4
O=20 32 14.8 ± 0.08s
LAT=58.86 S ± 2.18km
LONG= 25.30 W ± 2.20km
DEPTH= 33 km ± 0.34km
STATIONS USED = 10, STAND DEV= 1.96s

| | | | | | |
|-----|-------|-----|------|------------|------|
| TIY | 145.6 | 109 | ePKP | 20 51 50.5 | -0.5 |
| BJI | 149.3 | 111 | ePKP | 20 52 00.5 | 3.6 |

1987 4 5
O=11 33 29.7 ± 0.11s
LAT=41.93 S ± 5.57km
LONG= 18.77 W ± 2.65km
DEPTH= 10 km
STATIONS USED = 17, STAND DEV= 2.48s
Ms=5.5/ 1,

| | | | | | |
|-----|-------|----|------|------------|------------------|
| GTA | 134.2 | 72 | ePKP | 11 52 55.0 | 5.7 |
| TIY | 142.7 | 80 | ePKP | 11 53 02.3 | -2.2 |
| TIA | 145.6 | 85 | ePKP | 11 53 09.8 | 0.4 |
| BJI | 146.2 | 78 | ePKP | 11 53 11.0 | 0.5 |
| SSE | 146.3 | 96 | PKP | 11 53 10.5 | -0.2 |
| | | | LE | | Ms=5.5 20.0 0.58 |
| CN2 | 153.8 | 74 | ePKP | 11 53 22.0 | -0.2 |
| MDJ | 156.9 | 73 | ePKP | 11 53 30.0 | 3.7 |

1987 4 6
O=00 24 08.7 ± 0.10s
LAT=51.97 N ± 5.03km
LONG=173.67 W ± 2.23km
DEPTH= 27 km ± 1.35km
STATIONS USED = 58, STAND DEV= 1.59s
Ms=5.0/ 11,

| | | | | | |
|-----|------|-----|-----|------------|------------------|
| MDJ | 37.6 | 282 | eP | 00 31 25.0 | 1.7 |
| | | | pP | 00 31 33.2 | 1.6 |
| | | | eS | 00 37 10.0 | -1.0 |
| | | | LE | | Ms=5.2 20.0 2.20 |
| CN2 | 40.5 | 283 | -P | 00 31 47.8 | 0.0 |
| | | | epP | 00 31 57.0 | 0.9 |
| | | | S | 00 37 55.0 | 0.6 |
| SNY | 42.8 | 282 | +iP | 00 32 06.2 | -0.1 |
| | | | sP | 00 32 19.0 | 0.7 |
| DL2 | 45.8 | 280 | eP | 00 32 30.5 | 0.4 |
| BJI | 48.3 | 285 | eP | 00 32 51.5 | 1.1 |
| | | | eS | 00 39 44.0 | -4.1 |

| | | | | | | | | | |
|-------------------------------------|------|-----|-----|---------------------|------|-------|--|--|--|
| | | | LN | Ms=4.9 | 17.0 | 0.73 | | | |
| TIA | 50.2 | 280 | eP | 00 33 05.3 | 0.4 | | | | |
| | | | LN | Ms=5.0 | 16.0 | 0.82 | | | |
| HHC | 50.6 | 289 | eP | 00 33 08.0 | 0.4 | | | | |
| SSE | 51.2 | 273 | P | 00 33 11.0 | -1.1 | | | | |
| | | | sP | 00 33 25.0 | 0.9 | | | | |
| | | | eS | 00 40 29.0 | 1.5 | | | | |
| | | | sS | 00 40 44.0 | 2.4 | | | | |
| | | | LE | Ms=4.8 | 18.0 | 0.57 | | | |
| BTO | 51.6 | 289 | P | 00 33 15.0 | -0.6 | | | | |
| | | | sP | 00 33 31.0 | 3.5 | | | | |
| | | | ePP | 00 35 12.0 | -0.8 | | | | |
| | | | eS | 00 40 33.0 | -1.0 | | | | |
| | | | LN | Ms=5.1 | 17.0 | 0.80 | | | |
| | | | LE | | 17.0 | 0.70 | | | |
| NJ2 | 52.0 | 275 | eP | 00 33 17.5 | -0.5 | | | | |
| TIY | 52.1 | 285 | eP | 00 33 19.5 | 0.6 | | | | |
| | | | sP | 00 33 34.5 | 3.7 | | | | |
| | | | eS | 00 40 41.5 | 1.4 | | | | |
| | | | LE | Ms=5.3 | 21.0 | 1.69 | | | |
| WHN | 55.8 | 277 | P | 00 33 46.0 | -0.1 | | | | |
| | | | sP | 00 33 58.0 | -0.2 | | | | |
| | | | S | 00 41 33.0 | 4.2 | | | | |
| | | | LE | Ms=5.3 | 22.0 | 1.73 | | | |
| XAN | 56.7 | 284 | P | 00 33 52.6 | 0.1 | | | | |
| GTA | 58.3 | 295 | P | 00 34 03.7 | -0.3 | | | | |
| | | | LE | Ms=5.3 | 16.0 | 1.10 | | | |
| WMQ | 61.7 | 306 | eP | 00 34 28.7 | 1.6 | | | | |
| CD2 | 61.9 | 285 | eP | 00 34 27.8 | -1.3 | | | | |
| GYA | 63.4 | 280 | eP | 00 34 38.6 | -0.3 | | | | |
| KMI | 66.8 | 281 | -P | 00 35 01.0 | 0.3 | | | | |
| | | | sP | 00 35 15.0 | 2.4 | | | | |
| | | | eS | 00 43 50.0 | -0.3 | | | | |
| QZN | 67.0 | 272 | eP | 00 35 07.0 | 5.4 | | | | |
| LSA | 70.2 | 293 | -P | 00 35 21.8 | -0.4 | | | | |
| KSH | 70.7 | 310 | eP | 00 35 22.0 | -2.9 | | | | |
| 1987 4 6 | | | | | | | | | |
| O=08 42 46.4 ± 0.07s | | | | | | | | | |
| LAT=39.48 N ± 0.56km | | | | | | | | | |
| LONG=118.15 E ± 0.59km | | | | | | | | | |
| DEPTH= 12 km ± 0.09km | | | | | | | | | |
| STATIONS USED = 9, STAND DEV= 3.32s | | | | | | | | | |
| M _L =2.9 / 9, | | | | | | | | | |
| BJI | 1.6 | 291 | Pg | 08 43 14.5 | -0.6 | | | | |
| | | | Sg | 08 43 35.5 | -1.8 | | | | |
| | | | SMN | M _L =2.7 | 0.5 | 0.090 | | | |
| | | | SME | | 0.5 | 0.10 | | | |
| DL2 | 2.8 | 101 | ePg | 08 43 42.0 | 6.7 | | | | |
| | | | Sg | 08 44 11.0 | -2.1 | | | | |

| | | | | | | | | | |
|--------------------------------------|------|-----|-----|---------------------|------|-------|--|--|--|
| | | | SMN | M _L =3.1 | 0.6 | 0.10 | | | |
| | | | SME | | 0.6 | 0.080 | | | |
| TIA | 3.4 | 194 | ePg | 08 43 47.8 | 1.9 | | | | |
| | | | Sg | 08 44 30.1 | -1.7 | | | | |
| | | | SMN | M _L =2.6 | 0.3 | 0.020 | | | |
| | | | SME | | 0.3 | 0.020 | | | |
| 1987 4 6 | | | | | | | | | |
| O=09 25 39.6 ± 0.07s | | | | | | | | | |
| LAT= 8.01 S ± 1.11km | | | | | | | | | |
| LONG=156.54 E ± 1.68km | | | | | | | | | |
| DEPTH= 35 km ± 0.46km | | | | | | | | | |
| STATIONS USED = 66, STAND DEV= 0.99s | | | | | | | | | |
| Ms=5.0 / 7, | | | | | | | | | |
| SSE | 51.6 | 321 | eP | 09 34 45.5 | 0.6 | | | | |
| | | | eS | 09 42 04.0 | 2.0 | | | | |
| | | | sS | 09 42 14.0 | -4.3 | | | | |
| | | | LN | Ms=5.0 | 20.0 | 0.60 | | | |
| | | | LE | | 20.0 | 0.58 | | | |
| NJ2 | 53.7 | 320 | eP | 09 35 02.5 | 1.8 | | | | |
| WHN | 55.7 | 315 | eP | 09 35 16.0 | 0.3 | | | | |
| DL2 | 56.8 | 328 | eP | 09 35 23.0 | -0.6 | | | | |
| TIA | 57.5 | 322 | eP | 09 35 27.8 | -0.6 | | | | |
| | | | LN | Ms=5.0 | 13.0 | 0.44 | | | |
| MDJ | 57.7 | 337 | -P | 09 35 30.5 | 0.4 | | | | |
| SNY | 58.1 | 331 | eP | 09 35 31.0 | -1.3 | | | | |
| | | | eS | 09 43 32.0 | 2.8 | | | | |
| CN2 | 58.8 | 334 | eP | 09 35 36.0 | -1.2 | | | | |
| | | | eS | 09 43 37.0 | -1.5 | | | | |
| GYA | 59.3 | 307 | eP | 09 35 41.0 | 0.0 | | | | |
| BJI | 60.6 | 325 | eP | 09 35 49.5 | -0.5 | | | | |
| TIY | 61.3 | 321 | eP | 09 35 54.8 | -0.1 | | | | |
| | | | eS | 09 44 06.0 | -5.8 | | | | |
| | | | LN | Ms=4.8 | 11.0 | 0.25 | | | |
| XAN | 61.5 | 316 | P | 09 35 55.0 | -1.0 | | | | |
| KMI | 61.9 | 304 | +P | 09 35 59.0 | 0.5 | | | | |
| | | | eS | 09 44 16.0 | -2.6 | | | | |
| CD2 | 63.6 | 310 | P | 09 36 10.0 | -0.2 | | | | |
| HHC | 63.8 | 323 | eP | 09 36 11.6 | 0.2 | | | | |
| BTO | 64.6 | 322 | eP | 09 36 16.5 | 0.0 | | | | |
| LZH | 66.1 | 315 | eP | 09 36 26.5 | 0.2 | | | | |
| GTA | 70.5 | 317 | P | 09 36 53.5 | -0.3 | | | | |
| | | | LE | Ms=5.0 | 26.0 | 0.70 | | | |
| LSA | 73.1 | 304 | -P | 09 37 09.4 | -0.1 | | | | |
| WMQ | 80.6 | 317 | eP | 09 37 51.6 | 0.4 | | | | |
| KSH | 87.8 | 310 | P | 09 38 30.0 | 2.5 | | | | |
| 1987 4 6 | | | | | | | | | |
| O=10 23 12.7 ± 0.16s | | | | | | | | | |
| LAT=51.91 N ± 0.37km | | | | | | | | | |

LONG = 176.19 W ± 1.00km
 DEPTH = 64 km ± 1.50km
 STATIONS USED = 68, STAND DEV = 1.04s

| | | | | | |
|-----|------|-----|-----|------------|------|
| CN2 | 39.0 | 282 | eP | 10 30 34.0 | -1.3 |
| | | | pP | 10 30 52.0 | 1.6 |
| | | | eS | 10 36 26.0 | -3.4 |
| SNY | 41.3 | 281 | +iP | 10 30 55.1 | 1.2 |
| DL2 | 44.2 | 278 | eP | 10 31 18.0 | 0.1 |
| BJI | 46.8 | 283 | eP | 10 31 39.5 | 0.8 |
| TIA | 48.7 | 279 | +P | 10 31 53.7 | 0.5 |
| SSE | 49.6 | 271 | eP | 10 31 57.0 | -3.2 |
| | | | pP | 10 32 19.0 | 3.4 |
| | | | sS | 10 39 26.0 | -3.2 |
| BTO | 50.2 | 288 | eP | 10 32 06.0 | 1.4 |
| NJ2 | 50.4 | 273 | +P | 10 32 06.4 | 0.1 |
| | | | pP | 10 32 24.0 | 2.3 |
| TIY | 50.6 | 283 | +P | 10 32 09.0 | 1.4 |
| | | | eS | 10 39 21.0 | 5.3 |
| WHN | 54.2 | 275 | P | 10 32 34.7 | -0.1 |
| XAN | 55.2 | 282 | P | 10 32 41.4 | -0.2 |
| LZH | 56.8 | 288 | eP | 10 32 53.5 | 0.0 |
| GTA | 56.9 | 293 | P | 10 32 54.4 | 0.4 |
| GZH | 60.2 | 270 | eP | 10 33 17.5 | 0.4 |
| WMQ | 60.4 | 304 | P | 10 33 19.0 | 0.5 |
| CD2 | 60.5 | 283 | eP | 10 33 18.8 | 0.0 |
| GYA | 61.9 | 278 | +P | 10 33 28.4 | -0.1 |
| KMI | 65.3 | 280 | +P | 10 33 51.0 | 0.2 |
| QZN | 65.4 | 270 | eP | 10 33 48.0 | -3.5 |
| LSA | 68.8 | 291 | -P | 10 34 13.4 | 0.1 |

1987 4 6
 O = 15 01 15.8 ± 0.10s
 LAT = 37.19 N ± 1.39km
 LONG = 71.66 E ± 1.29km
 DEPTH = 112 km ± 0.52km
 STATIONS USED = 14, STAND DEV = 2.40s

| | | | | | |
|-----|------|----|-----|------------|----------|
| KSH | 4.1 | 55 | P | 15 02 22.0 | 4.3 |
| | | | S | 15 03 08.9 | 4.5 |
| | | | SMN | | 0.2 0.30 |
| | | | SME | | 0.2 0.30 |
| WMQ | 13.9 | 57 | P | 15 04 27.8 | -1.1 |
| GTA | 22.2 | 76 | P | 15 06 04.4 | 0.6 |

1987 4 6
 O = 18 51 37.3 ± 0.18s
 LAT = 5.94 S ± 1.46km
 LONG = 151.07 E ± 2.53km
 DEPTH = 34 km ± 0.32km
 STATIONS USED = 52, STAND DEV = 1.43s
 Ms = 5.1 / 4, mb = 5.6 / 1

| | | | | | |
|-----|------|-----|----|------------|-----------|
| SSE | 46.6 | 324 | eP | 19 00 05.0 | 0.5 |
| | | | pP | 19 00 14.2 | 0.2 |
| | | | eS | 19 06 54.0 | 3.4 |
| | | | LN | Ms = 5.0 | 20.0 0.60 |
| | | | LE | | 20.0 0.81 |
| GZH | 46.8 | 309 | eP | 19 00 06.0 | -0.1 |
| NJ2 | 48.7 | 323 | -P | 19 00 22.0 | 1.3 |
| | | | pP | 19 00 30.8 | 0.6 |
| | | | eS | 19 07 20.0 | 0.1 |
| WHN | 50.5 | 318 | eP | 19 00 35.0 | 0.2 |
| | | | LE | Ms = 4.6 | 24.0 0.50 |
| DL2 | 52.3 | 331 | eP | 19 00 48.0 | -0.2 |
| GYA | 53.7 | 309 | P | 19 01 00.2 | 1.1 |
| CN2 | 54.7 | 337 | eP | 19 01 11.0 | 5.3 |
| BJI | 55.9 | 328 | eP | 19 01 15.0 | 0.2 |
| XAN | 56.3 | 318 | eP | 19 01 16.6 | -0.9 |
| TIY | 56.4 | 324 | eP | 19 01 20.0 | 1.7 |
| | | | LN | Ms = 5.2 | 22.0 1.32 |
| GD2 | 58.2 | 312 | eP | 19 01 30.6 | -0.4 |
| BTO | 59.7 | 325 | eP | 19 01 41.0 | -0.6 |
| LZH | 60.9 | 317 | P | 19 01 49.0 | -0.6 |
| GTA | 65.3 | 318 | +P | 19 02 18.4 | -0.7 |
| WMQ | 75.4 | 318 | P | 19 03 19.0 | -1.3 |

1987 4 6
 O = 18 56 52.5 ± 0.12s
 LAT = 19.39 N ± 1.63km
 LONG = 146.45 E ± 3.32km
 DEPTH = 64 km ± 0.77km
 STATIONS USED = 32, STAND DEV = 2.13s

| | | | | | |
|-----|------|-----|----|------------|------|
| CN2 | 30.0 | 329 | eP | 19 02 57.2 | -0.8 |
| GYA | 37.2 | 288 | P | 19 04 01.6 | 1.7 |
| BTO | 37.6 | 312 | eP | 19 04 02.6 | -0.6 |
| GTA | 44.7 | 307 | P | 19 05 01.6 | 0.0 |
| LSA | 50.9 | 293 | eP | 19 05 51.0 | 0.5 |
| WMQ | 54.4 | 310 | +P | 19 06 15.0 | -0.8 |

1987 4 6
 O = 21 07 32.1 ± 0.13s
 LAT = 3.50 N ± 1.75km
 LONG = 128.29 E ± 3.00km
 DEPTH = 33 km ± 0.48km
 STATIONS USED = 25, STAND DEV = 2.36s

| | | | | | |
|-----|------|-----|----|------------|------|
| WHN | 30.0 | 335 | eP | 21 13 34.0 | -5.8 |
| XAN | 35.3 | 332 | +P | 21 14 27.3 | 0.4 |
| BJI | 38.0 | 345 | eP | 21 14 50.0 | 0.8 |
| LZH | 39.5 | 328 | +P | 21 15 03.5 | 1.6 |
| GTA | 44.1 | 328 | +P | 21 15 40.7 | 1.0 |
| WMQ | 53.8 | 324 | P | 21 16 55.5 | 1.0 |

| | | | | | | | | | | |
|-----|------|-------------|------|------------|------|------|-------------|------|------------|-----|
| | PMZ | $m_B = 6.7$ | 6.5 | 11.5 | | PMZ | $m_B = 6.5$ | 7.0 | 5.5 | |
| | S | 00 50 54.0 | 1.5 | | | pP | 00 47 42.0 | -1.9 | | |
| | SMN | $m_B = 6.5$ | 10.0 | 9.48 | | LE | $M_s = 6.8$ | 17.0 | 10 | |
| | SME | | 14.0 | 13.9 | WMQ | 40.9 | 297 | +iP | 00 48 24.7 | 1.4 |
| | LN | $M_s = 6.6$ | 13.0 | 45.9 | | PP | 00 50 03.0 | 2.3 | | |
| | LE | | 13.0 | 52.0 | | PcP | 00 50 26.0 | 2.4 | | |
| GZH | 28.2 | 248 | +P | 00 46 36.0 | 1.9 | S | 00 54 35.0 | 2.8 | | |
| | PMZ | $m_B = 6.8$ | 10.0 | 18.9 | | LN | $M_s = 6.7$ | 15.0 | 55 | |
| | iS | 00 51 19.0 | 2.3 | | LSA | 42.4 | 275 | +iP | 00 48 36.8 | 0.7 |
| | SMN | $m_B = 7.0$ | 10.0 | 22.9 | | PMZ | $m_B = 6.4$ | 7.0 | 3.9 | |
| | SME | | 10.0 | 24.1 | | PP | 00 50 13.0 | -3.9 | | |
| | LN | $M_s = 6.7$ | 17.0 | 56.0 | | PcS | 00 54 19.0 | -0.3 | | |
| | LE | | 18.0 | 87.1 | | S | 00 54 56.0 | 1.5 | | |
| LZH | 30.2 | 279 | +iP | 00 46 52.0 | -0.5 | SMN | $m_B = 6.5$ | 10.0 | 7.7 | |
| | PMZ | | 2.0 | 1.86 | | LE | $M_s = 6.4$ | 16.0 | 25 | |
| | S | 00 51 42.0 | -6.4 | | KSH | 50.5 | 294 | +iP | 00 49 42.0 | 2.2 |
| | SME | | 22.0 | 41.7 | | pP | 00 49 46.0 | -1.7 | | |
| | LE | $M_s = 6.9$ | 17.0 | 159 | | PP | 00 51 40.0 | 4.5 | | |
| GYA | 31.5 | 260 | +P | 00 47 01.0 | -2.6 | iS | 00 56 58.0 | 6.9 | | |
| | PMZ | | 3.0 | 4.40 | | SME | $m_B = 7.1$ | 9.0 | 20.6 | |
| | pP | 00 47 10.0 | -1.4 | | | LE | $M_s = 7.2$ | 17.0 | 133 | |
| | PP | 00 48 11.0 | 3.8 | | | | | | | |
| | S | 00 52 04.0 | -4.2 | | | | | | | |
| | SMN | $m_B = 6.6$ | 8.0 | 8.40 | | | | | | |
| | SME | | 8.0 | 5.60 | | | | | | |
| | LN | $M_s = 6.8$ | 15.0 | 47.5 | | | | | | |
| | LE | | 15.0 | 78.0 | | | | | | |
| CD2 | 31.9 | 270 | +iP | 00 47 06.5 | -0.6 | | | | | |
| | PMZ | $m_B = 6.4$ | 7.0 | 4.77 | | | | | | |
| | PP | 00 48 13.5 | 1.1 | | | | | | | |
| | S | 00 52 12.0 | -2.5 | | | | | | | |
| | LE | $M_s = 6.9$ | 13.0 | 107 | | | | | | |
| GTA | 32.7 | 287 | +iP | 00 47 13.6 | -0.5 | | | | | |
| | PP | 00 48 19.0 | -3.7 | | | | | | | |
| | PcP | 00 50 00.0 | 1.1 | | | | | | | |
| | iS | 00 52 24.0 | -3.9 | | | | | | | |
| | SMN | $m_B = 6.3$ | 10.0 | 5.55 | | | | | | |
| | LE | $M_s = 6.0$ | 11.5 | 10.2 | | | | | | |
| | SS | 00 54 30.0 | 5.3 | | | | | | | |
| | ScS | 00 57 34.4 | -3.6 | | | | | | | |
| | LE | $M_s = 6.7$ | 24.0 | 108 | | | | | | |
| QZN | 33.3 | 246 | +P | 00 47 20.5 | 1.5 | | | | | |
| | PMZ | $m_B = 6.6$ | 7.0 | 6.90 | | | | | | |
| | PP | 00 48 34.0 | 4.0 | | | | | | | |
| | iS | 00 52 41.0 | 4.3 | | | | | | | |
| | SMN | $m_B = 6.7$ | 10.5 | 8.40 | | | | | | |
| | SME | | 10.5 | 12.3 | | | | | | |
| | LN | $M_s = 6.6$ | 18.0 | 50.6 | | | | | | |
| | LE | | 15.0 | 40.9 | | | | | | |
| KMI | 35.2 | 261 | +iP | 00 47 36.0 | -0.1 | | | | | |

| | | | |
|--|---------------------|-----------------|-----------------------------|
| 1987 4 7 | | | |
| O | = 00 51 36.8 | ± 0.12s | |
| LAT | = 22.76 S | ± 1.44km | |
| LONG | = 66.08 W | ± 1.04km | |
| DEPTH | = 205 km | ± 0.99km | |
| STATIONS USED = 35, STAND DEV = 1.45s | | | |
| KSH | 143.8 | 54 | PKP 01 10 47.5 -1.2 |
| MDJ | 154.7 | 333 | ePKP 01 11 06.2 0.8 |
| CN2 | 157.0 | 338 | ePKP 01 11 07.8 -0.7 |
| BJI | 162.7 | 354 | ePKP 01 11 15.0 0.2 |
| GYA | 172.4 | 59 | PKP 01 11 22.6 0.5 |
| | | | PKP ₂ 01 12 47.6 |

| | | | |
|--|---------------------|-----------------|--------------------|
| 1987 4 7 | | | |
| O | = 05 57 03.1 | ± 0.12s | |
| LAT | = 2.53 N | ± 1.14km | |
| LONG | = 126.81 E | ± 1.89km | |
| DEPTH | = 121 km | ± 0.93km | |
| STATIONS USED = 32, STAND DEV = 1.51s | | | |
| SSE | 28.9 | 350 | eP 06 02 55.0 1.9 |
| | | | eS 06 07 37.0 3.5 |
| TIA | 34.7 | 346 | eP 06 03 43.8 0.3 |
| XAN | 35.5 | 334 | eP 06 03 49.4 -1.2 |
| DL2 | 36.5 | 353 | eP 06 03 57.0 -1.9 |
| TIY | 37.4 | 341 | eP 06 04 10.0 3.4 |
| BJI | 38.6 | 347 | -P 06 04 16.5 0.5 |
| SNY | 39.2 | 356 | -P 06 04 21.9 0.4 |
| LZH | 39.6 | 330 | eP 06 04 26.5 1.9 |

CN2 41.1 359 eP 06 04 38.0 0.9
 MDJ 42.0 3 eP 06 04 43.0 -1.2
 LSA 43.3 312 -P 06 04 56.2 0.9

1987 4 7

O=15 31 50.3 ± 0.03s
 LAT=44.06 N ± 0.31km
 LONG= 84.66 E ± 0.26km
 DEPTH= 15 km
 STATIONS USED = 5, STAND DEV= 3.37s
 $M_L=2.6/5,$

1987 4 7

O=17 10 08.2 ± 0.03s
 LAT=35.37 N ± 0.43km
 LONG=105.10 E ± 0.31km
 DEPTH= 17 km ± 0.22km
 STATIONS USED = 7, STAND DEV= 1.23s

 $M_L=3.0/6,$

| | | | | | | | |
|-----|-----|-----|-----|------------|------|-------|--|
| LZH | 1.2 | 305 | Pg | 17 10 31.0 | 0.3 | | |
| | | | Sg | 17 10 48.5 | 0.8 | | |
| | | | SMN | $M_L=3.0$ | 0.5 | 0.22 | |
| | | | SME | | 0.5 | 0.27 | |
| XAN | 3.4 | 112 | Pg | 17 11 08.0 | -0.7 | | |
| | | | Sg | 17 11 51.8 | -3.5 | | |
| | | | SMN | $M_L=2.5$ | 0.6 | 0.010 | |
| | | | SME | | 0.6 | 0.020 | |
| GTA | 5.8 | 315 | Pn | 17 11 35.2 | 0.6 | | |
| | | | Pg | 17 11 57.5 | 6.3 | | |
| | | | Sn | 17 12 41.0 | -2.1 | | |
| | | | Sg | 17 13 11.4 | 0.5 | | |
| | | | SMN | $M_L=2.9$ | 0.7 | 0.010 | |
| | | | SME | | 0.6 | 0.010 | |

1987 4 7

O=20 17 34.7 ± 0.11s
 LAT=23.26 N ± 1.87km
 LONG=143.85 E ± 2.57km
 DEPTH= 35 km ± 0.54km
 STATIONS USED = 31, STAND DEV= 1.46s

| | | | | | | | |
|-----|------|-----|----|------------|------|--|--|
| SSE | 21.6 | 296 | eP | 20 22 24.0 | 0.3 | | |
| MDJ | 24.3 | 335 | eP | 20 22 52.3 | 2.0 | | |
| CN2 | 25.5 | 328 | eP | 20 23 03.0 | 1.3 | | |
| GYA | 33.8 | 283 | P | 20 24 15.8 | -0.5 | | |
| GTA | 40.5 | 304 | eP | 20 25 11.8 | -0.7 | | |
| LSA | 47.3 | 290 | eP | 20 26 07.2 | -0.4 | | |
| WMQ | 50.1 | 308 | P | 20 26 28.6 | -0.2 | | |

1987 4 7

O=21 17 11.1 ± 0.70s

LAT=35.44 N ± 6.13km

LONG= 77.88 E ± 2.60km

DEPTH= 20 km

STATIONS USED = 10, STAND DEV= 3.74s

 $M_L=4.4/3,$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------|--|
| KSH | 4.3 | 340 | ePn | 21 18 19.4 | 3.4 | | |
| | | | Sn | 21 19 00.9 | -6.3 | | |
| | | | SMN | $M_L=4.4$ | 0.2 | 0.60 | |
| | | | SME | | 0.2 | 0.80 | |
| WMQ | 11.3 | 39 | eP | 21 19 52.4 | -2.4 | | |
| | | | SMN | | 0.4 | 0.030 | |
| | | | SME | | 0.6 | 0.030 | |

1987 4 7

O=22 48 20.6 ± 0.12s
 LAT=11.59 N ± 1.21km
 LONG=125.67 E ± 2.69km
 DEPTH= 29 km ± 0.41km
 STATIONS USED = 9, STAND DEV= 2.32s

| | | | | | | | |
|-----|------|-----|----|------------|------|--|--|
| SSE | 19.9 | 349 | eP | 22 52 51.7 | -0.6 | | |
| WHN | 21.6 | 333 | eP | 22 53 14.0 | 3.7 | | |
| GYA | 23.2 | 312 | P | 22 53 28.0 | 1.3 | | |

1987 4 8

O=06 30 32.3 ± 0.10s
 LAT= 0.14 N ± 1.29km
 LONG=130.16 E ± 2.29km
 DEPTH= 34 km ± 0.38km
 STATIONS USED = 70, STAND DEV= 1.26s

 $M_s=4.6/9,$

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|--|
| QZH | 27.1 | 336 | eP | 06 36 14.0 | -0.1 | | |
| | | | eS | 06 40 50.0 | 1.8 | | |
| QZN | 27.4 | 314 | eP | 06 36 17.0 | 0.1 | | |
| | | | eS | 06 40 53.5 | 0.3 | | |
| | | | LN | $M_s=4.6$ | 13.0 | 0.60 | |
| GZH | 28.1 | 326 | eP | 06 36 22.0 | -1.1 | | |
| SSE | 31.9 | 345 | eP | 06 36 57.5 | 0.0 | | |
| | | | eS | 06 42 08.0 | 2.5 | | |
| | | | eSS | 06 44 00.0 | 2.3 | | |
| | | | LN | $M_s=4.5$ | 20.0 | 0.70 | |
| NJ2 | 33.5 | 342 | +P | 06 37 11.2 | 0.3 | | |
| WHN | 33.8 | 335 | +P | 06 37 15.0 | 1.7 | | |
| | | | S | 06 42 40.0 | 7.0 | | |
| GYA | 34.6 | 321 | P | 06 37 21.4 | 0.8 | | |
| KMI | 36.3 | 315 | -P | 06 37 37.0 | 1.6 | | |
| TIA | 37.9 | 343 | eP | 06 37 48.0 | -0.3 | | |
| | | | eS | 06 43 34.0 | -3.2 | | |
| | | | LN | $M_s=4.6$ | 12.0 | 0.39 | |
| XAN | 39.2 | 332 | -P | 06 37 58.6 | -0.4 | | |
| DL2 | 39.4 | 349 | eP | 06 38 01.0 | 0.4 | | |

| | | | | | | | | | |
|---|------|-----|-----|------------|------|---------------------|------|-------|--|
| CD2 | 39.5 | 323 | eP | 06 38 02.2 | 0.0 | | | | |
| TIY | 40.8 | 338 | +P | 06 38 13.0 | 0.3 | | | | |
| | | | eS | 06 44 24.0 | 2.5 | | | | |
| | | | LN | | | Ms=4.6 | 15.0 | 0.44 | |
| BJI | 41.7 | 344 | eP | 06 38 20.0 | 0.0 | | | | |
| SNY | 41.9 | 353 | eP | 06 38 21.8 | 0.1 | | | | |
| | | | S | 06 44 41.0 | 4.1 | | | | |
| | | | LN | | | Ms=4.9 | 21.0 | 1.16 | |
| LZH | 43.3 | 328 | -iP | 06 38 34.0 | 0.6 | | | | |
| | | | PMZ | | | | 1.5 | 0.14 | |
| CN2 | 43.7 | 355 | eP | 06 38 35.4 | -0.7 | | | | |
| | | | eS | 06 45 00.0 | -3.5 | | | | |
| HHC | 43.9 | 340 | P | 06 38 39.0 | 1.0 | | | | |
| BTO | 44.2 | 338 | eP | 06 38 40.0 | -0.7 | | | | |
| MDJ | 44.3 | 359 | eP | 06 38 41.5 | 0.5 | | | | |
| LSA | 47.4 | 312 | -P | 06 39 05.4 | -0.5 | | | | |
| GTA | 47.9 | 328 | -P | 06 39 09.8 | -0.2 | | | | |
| | | | PcP | 06 40 37.2 | -0.4 | | | | |
| | | | LN | | | Ms=4.6 | 13.0 | 0.28 | |
| WMQ | 57.6 | 325 | P | 06 40 21.6 | -0.3 | | | | |
| <p>1987 4 8</p> <p>O=06 58 40.8 ± 0.08s</p> <p>LAT=36.73 N ± 2.03km</p> <p>LONG=142.04 E ± 1.62km</p> <p>DEPTH= 50 km ± 1.22km</p> <p>STATIONS USED = 54, STAND DEV = 1.69s</p> <p>Ms=4.2/ 5,</p> | | | | | | | | | |
| MDJ | 12.3 | 314 | eP | 07 01 36.0 | 0.2 | | | | |
| CN2 | 14.5 | 304 | eP | 07 02 04.0 | -0.7 | | | | |
| SNY | 15.2 | 295 | -P | 07 02 13.0 | -0.5 | | | | |
| SSE | 18.2 | 258 | eP | 07 02 53.0 | 1.6 | | | | |
| | | | eSS | 07 06 27.0 | -5.6 | | | | |
| | | | LE | | | Ms=4.2 | 12.0 | 0.54 | |
| BJI | 20.5 | 287 | P | 07 03 15.5 | -2.0 | | | | |
| TIY | 23.6 | 281 | eP | 07 03 51.0 | 3.2 | | | | |
| | | | eS | 07 07 54.0 | -0.8 | | | | |
| | | | SS | 07 08 39.0 | -4.7 | | | | |
| | | | LN | | | Ms=4.7 | 14.0 | 0.74 | |
| | | | LE | | | | 14.0 | 0.91 | |
| WHN | 23.8 | 263 | eP | 07 03 50.2 | -0.1 | | | | |
| BTO | 25.2 | 289 | eP | 07 04 02.0 | -2.0 | | | | |
| XAN | 27.1 | 274 | eP | 07 04 21.3 | 0.3 | | | | |
| LZH | 30.6 | 280 | -iP | 07 04 53.5 | 0.6 | | | | |
| GYA | 31.7 | 261 | P | 07 05 01.8 | -0.3 | | | | |
| CD2 | 32.2 | 271 | P | 07 05 06.2 | -0.3 | | | | |
| GTA | 33.1 | 288 | P | 07 05 15.2 | 0.3 | | | | |
| QZN | 33.3 | 247 | eP | 07 05 17.8 | 1.9 | | | | |
| WMQ | 41.4 | 297 | eP | 07 06 26.1 | 1.6 | | | | |
| LSA | 42.7 | 276 | P | 07 06 37.0 | 1.3 | | | | |
| <p>1987 4 8</p> <p>O=09 49 38.1 ± 0.14s</p> <p>LAT= 5.33 S ± 1.27km</p> <p>LONG=153.05 E ± 1.70km</p> <p>DEPTH= 59 km ± 0.91km</p> <p>STATIONS USED = 80, STAND DEV = 1.27s</p> <p>Ms=5.3/ 21, m_B=5.6/ 4</p> | | | | | | | | | |
| SSE | 47.3 | 322 | P | 09 58 08.0 | -0.2 | | | | |
| | | | PMZ | | | | 1.4 | 0.050 | |
| | | | pP | 09 58 20.0 | -2.5 | | | | |
| | | | eS | 10 04 56.0 | -0.1 | | | | |
| | | | esS | 10 05 16.0 | -5.0 | | | | |
| | | | LN | | | Ms=5.3 | 26.0 | 1.33 | |
| | | | LE | | | | 26.0 | 2.48 | |
| GZH | 48.0 | 308 | eP | 09 58 14.0 | 0.6 | | | | |
| | | | eS | 10 05 06.0 | 0.4 | | | | |
| QZN | 49.0 | 301 | P | 09 58 21.9 | 1.0 | | | | |
| | | | eS | 10 05 21.5 | 2.2 | | | | |
| | | | eSS | 10 08 47.8 | 2.6 | | | | |
| NJ2 | 49.4 | 321 | +P | 09 58 25.0 | 0.5 | | | | |
| | | | S | 10 05 24.0 | -0.6 | | | | |
| WHN | 51.4 | 316 | eP | 09 58 40.0 | 0.3 | | | | |
| | | | S | 10 05 58.0 | 5.8 | | | | |
| | | | sS | 10 06 15.0 | -3.4 | | | | |
| | | | LE | | | Ms=5.1 | 24.0 | 1.51 | |
| DL2 | 52.8 | 329 | eP | 09 58 48.0 | -1.8 | | | | |
| TIA | 53.3 | 324 | +P | 09 58 53.0 | -0.8 | | | | |
| | | | eS | 10 06 19.7 | 0.7 | | | | |
| | | | ScS | 10 08 40.0 | 6.9 | | | | |
| | | | LN | | | Ms=4.8 | 34.0 | 0.63 | |
| | | | LE | | | | 34.0 | 0.71 | |
| MDJ | 54.0 | 339 | +P | 09 58 58.3 | -0.7 | | | | |
| | | | sP | 09 59 16.0 | -3.8 | | | | |
| | | | eS | 10 06 30.0 | 1.3 | | | | |
| | | | LE | | | Ms=5.1 | 35.0 | 1.77 | |
| SNY | 54.1 | 333 | eP | 09 58 55.0 | -4.6 | | | | |
| | | | eS | 10 06 28.0 | -1.8 | | | | |
| | | | LN | | | Ms=5.3 | 29.0 | 2.00 | |
| | | | LE | | | | 28.0 | 1.29 | |
| CN2 | 54.9 | 336 | +P | 09 59 04.0 | -1.5 | | | | |
| | | | PMZ | | | m _B =5.8 | 4.0 | 0.50 | |
| | | | PcP | 10 00 06.0 | 0.3 | | | | |
| | | | ScP | 10 04 03.0 | 5.7 | | | | |
| | | | eS | 10 06 36.0 | -4.5 | | | | |
| | | | SS | 10 10 17.0 | -5.5 | | | | |
| GYA | 54.9 | 308 | P | 09 59 06.2 | 0.4 | | | | |
| | | | S | 10 06 45.0 | 5.2 | | | | |
| | | | LE | | | Ms=5.3 | 20.0 | 1.50 | |
| BJI | 56.5 | 326 | eP | 09 59 16.0 | -0.9 | | | | |

| | | | | | | | | | | | | | |
|-----|-------|-----|-------|------------|---------------------|------|------|--|-----|-------|------------|--------|-----------------|
| | | | LZ | | Ms=7.0 | 21.0 | 23.5 | | | PKS | 18 05 18.0 | | |
| HHC | 125.0 | 343 | ePKP | 18 01 33.0 | 0.7 | | | | | SS | 18 22 00.0 | 3.1 | |
| | | | LN | | Ms=6.8 | 22.0 | 12.8 | | | LN | | Ms=6.6 | 20.0 6.20 |
| | | | LE | | | 22.0 | 6.28 | | | LE | | | 26.0 5.21 |
| BTO | 125.7 | 345 | PKP | 18 01 35.0 | 1.5 | | | | QZH | 136.1 | 326 | ePKP | 18 01 48.0 -5.1 |
| | | | LN | | Ms=6.7 | 20.0 | 9.80 | | | PP | 18 04 38.0 | 2.3 | |
| | | | LE | | | 25.0 | 3.80 | | | LN | | Ms=6.5 | 20.0 3.44 |
| KSH | 126.4 | 17 | PKP | 18 01 39.0 | 4.0 | | | | | LE | | | 20.0 4.18 |
| | | | PP | 18 03 31.0 | -2.9 | | | | CD2 | 136.4 | 347 | ePKP | 18 01 53.4 -0.5 |
| | | | PPMZ | | m _B =6.0 | 4.0 | 0.40 | | | PP | 18 04 40.0 | 2.3 | |
| | | | SKS | 18 08 44.0 | 5.6 | | | | | PKS | 18 05 29.0 | | |
| | | | LN | | Ms=6.9 | 20.0 | 17.1 | | | LN | | Ms=6.9 | 19.0 12.7 |
| TIA | 127.3 | 336 | ePKP | 18 01 38.0 | 1.3 | | | | GYA | 139.9 | 342 | +PKP | 18 02 02.0 1.7 |
| | | | ePP | 18 03 36.5 | -2.8 | | | | | PP | 18 05 06.0 | 6.5 | |
| | | | eSS | 18 20 36.0 | -6.5 | | | | | PKS | 18 05 37.0 | | |
| | | | LN | | Ms=6.6 | 20.0 | 6.71 | | | LN | | Ms=6.8 | 23.0 12.1 |
| | | | LE | | | 20.0 | 2.89 | | | LE | | | 23.0 6.70 |
| TIY | 127.6 | 341 | +PKP | 18 01 39.0 | 1.6 | | | | GZH | 140.3 | 331 | ePKP | 18 01 56.0 -4.8 |
| | | | sPKP | 18 01 51.0 | | | | | | LN | | Ms=6.6 | 20.0 6.79 |
| | | | PP | 18 03 39.0 | -2.8 | | | | KMI | 142.2 | 346 | -PKP | 18 02 02.0 -2.5 |
| | | | PKS | 18 05 22.5 | | | | | | sPKP | 18 02 16.0 | | |
| | | | eSKKS | 18 10 26.0 | | | | | | LE | | Ms=6.6 | 20.0 7.40 |
| | | | LN | | Ms=6.9 | 22.0 | 13.8 | | QZN | 145.4 | 332 | +iPKP | 18 02 13.0 3.2 |
| | | | LE | | | 21.0 | 10.4 | | | sPKP | 18 02 27.5 | | |
| GTA | 128.7 | 354 | +PKP | 18 01 40.8 | 1.3 | | | | | PP | 18 05 32.0 | -0.6 | |
| | | | PP | 18 03 48.0 | -1.3 | | | | | PKS | 18 05 43.0 | | |
| | | | LZ | | Ms=6.9 | 21.0 | 17.8 | | | LN | | Ms=6.7 | 21.0 8.70 |
| SSE | 129.8 | 329 | -PKP | 18 01 43.0 | 1.7 | | | | | | | | |
| | | | sPKP | 18 01 55.0 | | | | | | | | | |
| | | | PP | 18 03 56.0 | 0.2 | | | | | | | | |
| | | | PKS | 18 05 13.0 | | | | | | | | | |
| | | | SKS | 18 08 46.0 | 1.5 | | | | | | | | |
| | | | SKKS | 18 10 47.0 | | | | | | | | | |
| | | | eSS | 18 21 10.0 | -2.7 | | | | | | | | |
| | | | LN | | Ms=6.4 | 22.0 | 3.68 | | | | | | |
| | | | LE | | | 22.0 | 4.00 | | | | | | |
| NJ2 | 130.1 | 332 | +PKP | 18 01 43.5 | 1.5 | | | | | | | | |
| | | | PKS | 18 05 16.0 | | | | | | | | | |
| | | | LN | | Ms=6.6 | 19.0 | 6.90 | | | | | | |
| LZH | 131.4 | 349 | +PKP | 18 01 47.0 | 2.4 | | | | | | | | |
| | | | LN | | Ms=7.0 | 20.0 | 16.1 | | | | | | |
| | | | LE | | | 20.0 | 7.25 | | | | | | |
| XAN | 132.1 | 343 | +PKP | 18 01 47.4 | 1.5 | | | | | | | | |
| | | | PP | 18 04 16.3 | 5.3 | | | | | | | | |
| | | | PKS | 18 05 22.3 | | | | | | | | | |
| | | | LN | | Ms=6.9 | 22.0 | 9.68 | | | | | | |
| | | | LE | | | 22.0 | 14.1 | | | | | | |
| WHN | 133.4 | 335 | PKP | 18 01 50.0 | 1.8 | | | | | | | | |
| | | | sPKP | 18 02 03.6 | | | | | | | | | |
| | | | PP | 18 04 18.0 | -0.8 | | | | | | | | |

1987 4 8
 O = 19 58 04.1 ± 0.18s
 LAT = 8.51 S ± 3.26km
 LONG = 111.13 E ± 3.48km
 DEPTH = 63 km ± 0.51km
 STATIONS USED = 33, STAND DEV = 1.60s

| | | | | | |
|-----|------|-----|-----|------------|------|
| GYA | 35.0 | 353 | P | 20 04 54.8 | 1.6 |
| CD2 | 39.8 | 350 | eP | 20 05 33.8 | 0.4 |
| NJ2 | 41.0 | 10 | eP | 20 05 45.0 | 2.0 |
| TIY | 46.0 | 1 | eP | 20 06 23.8 | 0.2 |
| BJI | 48.5 | 5 | eP | 20 06 43.0 | -0.3 |
| GTA | 48.8 | 348 | eP | 20 06 45.6 | -0.1 |
| | | | PcP | 20 08 09.5 | 0.8 |
| SNY | 51.4 | 12 | eP | 20 07 03.6 | -1.4 |
| CN2 | 53.7 | 13 | eP | 20 07 20.0 | -2.1 |
| MDJ | 55.4 | 16 | eP | 20 07 34.3 | -0.8 |
| WMQ | 56.2 | 340 | P | 20 07 40.8 | -0.2 |

1987 4 8
 O = 22 43 46.2 ± 0.14s
 LAT = 25.04 S ± 1.84km
 LONG = 179.75 E ± 2.66km

DEPTH = 508 km ± 0.85km
STATIONS USED = 42, STAND DEV = 1.58s

| | | | | | |
|-----|------|-----|----|------------|------|
| QZN | 80.9 | 296 | eP | 22 55 08.8 | 0.2 |
| NJ2 | 81.2 | 311 | +P | 22 55 10.6 | 0.2 |
| MDJ | 83.1 | 326 | eP | 22 55 19.5 | -0.3 |
| WHN | 83.5 | 308 | eP | 22 55 22.0 | 0.1 |
| CN2 | 84.7 | 324 | -P | 22 55 27.1 | -0.5 |
| | | | pP | 22 57 21.0 | 2.3 |
| GYA | 87.1 | 301 | P | 22 55 39.8 | 0.3 |
| BJI | 87.7 | 317 | eP | 22 55 41.5 | -0.5 |
| TIY | 88.8 | 313 | -P | 22 55 47.8 | 0.5 |
| XAN | 89.3 | 308 | eP | 22 55 50.0 | 0.5 |
| CD2 | 91.5 | 303 | eP | 22 56 00.4 | 0.6 |
| GTA | 98.2 | 310 | eP | 22 56 30.0 | -0.6 |

1987 4 9
O = 00 48 53.9 ± 0.11s
LAT = 1.26 N ± 1.51km
LONG = 128.54 E ± 1.96km
DEPTH = 33 km ± 0.17km
STATIONS USED = 98, STAND DEV = 1.26s
Ms = 6.1 / 53, m_B = 5.9 / 22

| | | | | | |
|-----|------|-----|-----|----------------------|-----------|
| QZH | 25.4 | 339 | +P | 00 54 20.0 | -0.5 |
| | | | sP | 00 54 38.5 | 4.9 |
| | | | S | 00 58 44.0 | 1.8 |
| | | | SMN | m _B = 5.8 | 8.0 2.02 |
| QZN | 25.4 | 315 | -P | 00 54 21.6 | 0.9 |
| | | | sP | 00 54 33.5 | -0.3 |
| | | | S | 00 58 44.0 | 1.5 |
| | | | SMN | m _B = 6.0 | 11.0 4.20 |
| | | | sS | 00 58 59.0 | 0.9 |
| | | | SS | 00 59 47.0 | 1.3 |
| | | | PcS | 01 01 33.5 | 1.9 |
| | | | LN | Ms = 6.1 | 16.0 21.5 |
| | | | LE | | 16.0 18.0 |
| GZH | 26.2 | 327 | +P | 00 54 27.5 | -0.6 |
| | | | pP | 00 54 40.0 | 2.9 |
| | | | S | 00 59 01.5 | 6.1 |
| | | | sS | 00 59 15.0 | 3.6 |
| | | | LN | Ms = 6.3 | 19.0 37.1 |
| | | | LE | | 19.0 42.8 |
| SSE | 30.5 | 347 | -P | 00 55 04.0 | -2.3 |
| | | | PMZ | m _B = 5.8 | 10.0 1.92 |
| | | | pP | 00 55 15.0 | -0.5 |
| | | | sP | 00 55 22.0 | 2.4 |
| | | | PP | 00 56 04.0 | -2.1 |
| | | | iS | 01 00 00.0 | -4.3 |
| | | | SME | | 20.0 3.65 |
| | | | sS | 01 00 20.0 | 0.3 |
| | | | PcS | 01 01 42.0 | -5.1 |

| | | | | | | | |
|-----|------|-----|-----|----------------------|------|------|------|
| | | | ScS | 01 05 34.0 | -3.9 | | |
| | | | LN | Ms = 6.0 | | 15.0 | 8.15 |
| | | | LE | | | 16.0 | 14.3 |
| NJ2 | 32.0 | 344 | +P | 00 55 18.0 | -1.4 | | |
| | | | iS | 01 00 24.0 | -3.6 | | |
| | | | LN | Ms = 5.9 | | 10.5 | 9.10 |
| WHN | 32.1 | 337 | +P | 00 55 20.0 | -0.5 | | |
| | | | pP | 00 55 29.0 | -0.6 | | |
| | | | PP | 00 56 29.0 | 2.0 | | |
| | | | S | 01 00 28.0 | -0.7 | | |
| | | | sS | 01 00 42.0 | -3.0 | | |
| | | | LE | Ms = 5.8 | | 16.0 | 11.3 |
| GYA | 32.7 | 322 | P | 00 55 26.8 | 0.7 | | |
| | | | pP | 00 55 35.0 | -0.2 | | |
| | | | S | 01 00 34.0 | -4.5 | | |
| | | | LN | Ms = 6.3 | | 16.0 | 25.9 |
| | | | LE | | | 16.0 | 19.3 |
| KMI | 34.4 | 316 | +iP | 00 55 42.0 | 1.3 | | |
| | | | pP | 00 55 49.0 | -0.8 | | |
| | | | eS | 01 01 03.0 | -2.9 | | |
| | | | LN | Ms = 6.0 | | 18.0 | 14.3 |
| TIA | 36.4 | 344 | eP | 00 55 56.0 | -1.1 | | |
| | | | epP | 00 56 05.0 | -1.4 | | |
| | | | ePP | 00 57 19.0 | -1.4 | | |
| | | | S | 01 01 35.0 | 0.3 | | |
| | | | SMN | m _B = 5.8 | | 11.0 | 2.15 |
| | | | sS | 01 01 48.0 | -3.2 | | |
| | | | SS | 01 04 04.5 | 3.6 | | |
| | | | LN | Ms = 6.0 | | 14.0 | 11.2 |
| | | | LE | | | 12.0 | 4.55 |
| XAN | 37.4 | 333 | +iP | 00 56 06.1 | -0.1 | | |
| | | | LN | Ms = 5.8 | | 14.0 | 7.48 |
| CD2 | 37.7 | 324 | P | 00 56 09.9 | 1.4 | | |
| | | | pP | 00 56 16.0 | -1.8 | | |
| | | | S | 01 01 54.5 | -0.7 | | |
| | | | LE | Ms = 6.2 | | 17.0 | 18.4 |
| DL2 | 38.0 | 351 | eP | 00 56 11.0 | 0.1 | | |
| | | | epP | 00 56 21.0 | 0.6 | | |
| | | | eS | 01 02 00.0 | -0.8 | | |
| | | | LN | Ms = 6.0 | | 10.0 | 1.68 |
| | | | LE | | | 14.0 | 9.19 |
| TIY | 39.2 | 340 | eP | 00 56 20.0 | -1.0 | | |
| | | | pP | 00 56 30.0 | -0.3 | | |
| | | | sP | 00 56 37.5 | 3.2 | | |
| | | | PP | 00 57 54.0 | -1.0 | | |
| | | | PcP | 00 58 27.0 | -2.8 | | |
| | | | iS | 01 02 19.5 | 0.4 | | |
| | | | SMN | m _B = 5.9 | | 9.0 | 1.24 |
| | | | SME | | | 10.0 | 1.72 |
| | | | sS | 01 02 40.5 | 6.0 | | |

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O=07 50 34.7 ± 0.09s
 LAT=35.86 N ± 1.44km
 LONG=140.79 E ± 0.90km
 DEPTH= 63 km ± 1.40km
 STATIONS USED = 33, STAND DEV = 1.46s

| | | | | | |
|-----|------|-----|----|------------|------|
| TIA | 19.1 | 278 | eP | 07 54 54.3 | -1.4 |
| BJI | 19.8 | 290 | eP | 07 55 02.5 | -0.6 |
| WHN | 22.7 | 264 | eP | 07 55 33.0 | 0.7 |
| XAN | 26.1 | 275 | eP | 07 56 05.0 | 0.0 |
| GYA | 30.5 | 262 | P | 07 56 44.2 | -0.6 |
| GTA | 32.4 | 289 | P | 07 57 02.2 | 0.6 |

1987 4 9
 O=16 44 23.6 ± 0.19s
 LAT=51.28 N ± 1.21km
 LONG=175.98 W ± 1.19km
 DEPTH= 52 km ± 1.53km
 STATIONS USED = 26, STAND DEV = 1.52s

| | | | | | |
|-----|------|-----|-----|------------|------|
| BTO | 50.5 | 288 | eP | 16 53 18.0 | -1.1 |
| TIY | 50.9 | 284 | eP | 16 53 22.6 | 0.8 |
| XAN | 55.4 | 283 | eP | 16 53 54.2 | -1.4 |
| LZH | 57.1 | 288 | +iP | 16 54 07.0 | -0.9 |
| CD2 | 60.7 | 284 | eP | 16 54 31.8 | -1.0 |
| GYA | 62.1 | 278 | P | 16 54 42.4 | 0.3 |

1987 4 9
 O=17 12 14.9 ± 0.09s
 LAT=46.47 N ± 1.71km
 LONG=144.47 E ± 0.83km
 DEPTH=339 km ± 1.41km
 STATIONS USED = 33, STAND DEV = 1.41s

| | | | | | |
|-----|------|-----|-----|------------|------|
| MDJ | 10.6 | 265 | eP | 17 14 41.2 | -0.1 |
| CN2 | 13.7 | 266 | eP | 17 15 15.0 | -3.3 |
| SNY | 15.7 | 260 | +iP | 17 15 39.6 | -0.6 |
| BJI | 21.5 | 263 | eP | 17 16 39.0 | 0.3 |
| TIA | 22.8 | 253 | eP | 17 16 52.2 | 0.9 |
| HHC | 24.3 | 269 | eP | 17 17 06.0 | 0.8 |
| TIY | 25.2 | 261 | eP | 17 17 13.2 | 0.4 |
| BTO | 25.5 | 269 | eP | 17 17 16.0 | 0.2 |
| GTA | 33.1 | 274 | -P | 17 18 22.6 | 0.4 |
| CD2 | 34.9 | 258 | eP | 17 18 37.8 | 0.0 |
| GYA | 35.9 | 249 | P | 17 18 45.4 | -0.7 |

1987 4 9
 O=17 26 22.4 ± 0.28s
 LAT=21.76 N ± 2.84km
 LONG=111.67 E ± 1.86km
 DEPTH= 10 km ± 0.52km
 STATIONS USED = 16, STAND DEV = 3.65s
 $M_L = 4.4 / 12,$

| | | | | | | |
|-----|-----|-----|-----|-------------|------|------|
| QZN | 3.2 | 213 | Pn | 17 27 14.6 | 1.3 | |
| | | | Pg | 17 27 23.6 | 4.5 | |
| | | | Sn | 17 27 52.2 | -1.3 | |
| | | | Sg | 17 28 05.0 | 2.0 | |
| | | | SMN | $M_L = 3.8$ | 0.6 | 0.29 |
| | | | SME | | 0.6 | 0.30 |
| QZH | 7.1 | 62 | cPn | 17 28 05.5 | -1.3 | |
| | | | Sn | 17 29 25.2 | -4.8 | |
| | | | SMN | $M_L = 4.4$ | 0.8 | 0.19 |
| | | | SME | | 0.8 | 0.15 |

1987 4 9
 O=18 04 04.7 ± 0.18s
 LAT=21.98 N ± 1.53km
 LONG=112.47 E ± 1.52km
 DEPTH= 30 km
 STATIONS USED = 5, STAND DEV = 4.54s
 $M_L = 3.2 / 4,$

| | | | | | | |
|-----|-----|-----|------|-------------|------|-------|
| GZH | 1.4 | 36 | -iPg | 18 04 31.5 | 2.2 | |
| | | | Sg | 18 04 50.5 | 2.2 | |
| | | | SMN | $M_L = 3.3$ | 0.4 | 0.58 |
| | | | SME | | 0.4 | 0.41 |
| QZN | 3.8 | 220 | ePn | 18 05 01.7 | -0.5 | |
| | | | Pg | 18 05 14.2 | 1.7 | |
| | | | Sn | 18 05 44.8 | -3.1 | |
| | | | Sg | 18 06 03.2 | -1.8 | |
| | | | SMN | $M_L = 2.9$ | 0.5 | 0.020 |
| | | | SME | | 0.6 | 0.030 |

1987 4 9
 O=20 01 17.8 ± 0.15s
 LAT=35.83 N ± 1.96km
 LONG= 80.65 E ± 1.84km
 DEPTH= 27 km ± 0.30km
 STATIONS USED = 60, STAND DEV = 2.58s
 $M_s = 4.7 / 13, M_L = 4.6 / 2, m_B = 5.0 / 1$

| | | | | | | |
|-----|------|-----|-----|-------------|------|-------|
| KSH | 5.2 | 316 | Pn | 20 02 38.5 | 4.3 | |
| | | | Sn | 20 03 37.0 | 2.2 | |
| | | | LN | $M_s = 4.8$ | 9.0 | 12.3 |
| WMQ | 9.6 | 32 | eP | 20 03 35.2 | -3.0 | |
| | | | LN | $M_s = 4.9$ | 9.0 | 5.61 |
| LSA | 10.7 | 122 | -P | 20 03 54.0 | 0.3 | |
| GTA | 15.6 | 71 | +P | 20 05 02.8 | 4.9 | |
| | | | LE | $M_s = 4.5$ | 10.0 | -0.97 |
| LZH | 18.8 | 82 | +iP | 20 05 37.0 | -0.8 | |
| | | | S | 20 09 08.0 | 5.8 | |
| | | | LN | $M_s = 4.7$ | 11.0 | 1.37 |
| CD2 | 19.9 | 98 | eP | 20 05 49.0 | -1.4 | |
| | | | S | 20 09 28.0 | 0.7 | |
| | | | LN | $M_s = 4.9$ | 10.0 | 1.91 |

| | | | | | | | | | | | | | |
|-----|------|-----|----|------------|------|------|--|-----|---------------------|------|------|------------|------|
| KMI | 21.8 | 113 | eP | 20 06 08.5 | -1.4 | | | S | 23 16 39.7 | 0.3 | | | |
| | | | eS | 20 10 01.0 | -3.7 | | | LN | Ms=5.6 | 19.0 | 1.98 | | |
| | | | LN | Ms=4.5 | 12.0 | 0.70 | | LE | | 19.0 | 2.28 | | |
| XAN | 23.2 | 86 | eP | 20 06 25.0 | 1.0 | | | BTO | 54.3 | 292 | P | 23 09 20.0 | -0.1 |
| | | | LN | Ms=4.7 | 10.0 | 0.65 | | ePP | 23 11 21.0 | -1.7 | | | |
| | | | LE | | 12.0 | 0.61 | | S | 23 16 55.0 | 1.5 | | | |
| BTO | 23.5 | 69 | eP | 20 06 28.3 | 1.4 | | | LN | Ms=5.7 | 19.0 | 2.60 | | |
| | | | eS | 20 10 35.5 | -0.2 | | | LE | | 19.0 | 2.70 | | |
| | | | LN | Ms=4.5 | 11.0 | 0.30 | | SSE | 54.4 | 276 | -P | 23 09 20.5 | 0.3 |
| | | | LE | | 11.0 | 0.50 | | PMZ | | | 1.5 | 0.19 | |
| GYA | 24.1 | 106 | P | 20 06 32.6 | 0.1 | | | pP | 23 09 30.7 | 1.1 | | | |
| | | | S | 20 10 42.0 | -2.7 | | | eS | 23 16 56.0 | 1.1 | | | |
| | | | LE | Ms=4.5 | 15.0 | 0.80 | | LN | Ms=5.6 | 26.0 | 2.66 | | |
| HHC | 24.7 | 69 | eP | 20 06 43.6 | 5.3 | | | LE | | 26.0 | 2.79 | | |
| | | | LN | Ms=4.6 | 10.0 | 0.48 | | TIY | 54.9 | 288 | +P | 23 09 24.5 | 0.1 |
| | | | LE | | 11.0 | 0.41 | | PP | 23 11 26.0 | -2.0 | | | |
| TIY | 25.5 | 76 | eP | 20 06 46.0 | 0.3 | | | S | 23 17 03.0 | 1.7 | | | |
| | | | eS | 20 11 06.0 | -3.0 | | | LN | Ms=5.4 | 19.0 | 1.48 | | |
| | | | sS | 20 11 20.5 | -1.6 | | | LE | | 20.0 | 1.45 | | |
| | | | LN | Ms=4.7 | 14.0 | 0.93 | | NJ2 | 55.1 | 278 | +P | 23 09 24.5 | -1.0 |
| BJI | 28.2 | 71 | eP | 20 07 11.0 | 0.1 | | | S | 23 17 05.0 | 1.5 | | | |
| SSE | 34.0 | 86 | eP | 20 08 03.5 | 1.9 | | | WHN | 58.9 | 280 | P | 23 09 52.0 | -0.2 |
| | | | | | | | | S | 23 17 56.0 | 2.8 | | | |
| | | | | | | | | LE | Ms=5.2 | 26.0 | 1.68 | | |
| | | | | | | | | XAN | 59.5 | 287 | +P | 23 09 56.2 | -0.8 |
| | | | | | | | | LE | Ms=5.5 | 18.0 | 1.99 | | |
| | | | | | | | | QZH | 60.4 | 273 | +iP | 23 10 03.0 | 0.1 |
| | | | | | | | | eS | 23 18 12.0 | -2.4 | | | |
| | | | | | | | | SMN | m _B =5.3 | 9.0 | 0.32 | | |
| | | | | | | | | GTA | 60.8 | 297 | +P | 23 10 04.5 | -1.1 |
| | | | | | | | | eS | 23 18 20.0 | 0.6 | | | |
| | | | | | | | | LN | Ms=5.7 | 26.0 | 3.25 | | |
| | | | | | | | | LE | | 17.0 | 1.77 | | |
| | | | | | | | | LZH | 61.0 | 292 | +iP | 23 10 06.5 | -0.4 |
| | | | | | | | | PMZ | | | 1.5 | 0.14 | |
| | | | | | | | | WMQ | 63.7 | 308 | -P | 23 10 25.1 | 0.2 |
| | | | | | | | | CD2 | 64.8 | 288 | eP | 23 10 32.0 | -0.1 |
| | | | | | | | | eS | 23 19 08.0 | -1.6 | | | |
| | | | | | | | | GZH | 65.0 | 276 | +P | 23 10 33.5 | 0.3 |
| | | | | | | | | GYA | 66.4 | 283 | P | 23 10 42.6 | 0.0 |
| | | | | | | | | S | 23 19 30.0 | 1.9 | | | |
| | | | | | | | | LE | Ms=5.4 | 20.0 | 1.40 | | |
| DL2 | 48.8 | 283 | eP | 23 08 39.5 | 1.5 | | | KMI | 69.7 | 285 | +P | 23 11 03.5 | 0.1 |
| BJI | 51.2 | 288 | eP | 23 08 57.0 | 0.4 | | | sP | 23 11 20.5 | 3.9 | | | |
| | | | eS | 23 16 09.0 | -2.8 | | | eS | 23 20 15.0 | 5.5 | | | |
| | | | LN | Ms=5.4 | 19.0 | 2.02 | | QZN | 70.2 | 275 | +P | 23 11 07.0 | 1.2 |
| TIA | 53.2 | 283 | -P | 23 09 11.7 | -0.1 | | | eS | 23 20 11.0 | -3.0 | | | |
| | | | eS | 23 16 35.5 | -4.0 | | | LN | Ms=5.5 | 22.0 | 1.70 | | |
| | | | LN | Ms=5.3 | 18.0 | 1.59 | | KSH | 72.5 | 313 | P | 23 11 20.0 | 0.1 |
| HHC | 53.3 | 291 | eP | 23 09 13.0 | 0.5 | | | eS | 23 20 42.0 | 0.6 | | | |

1987 4 9

O=22 59 53.8 ± 0.10s

LAT=52.95 N ± 3.03km

LONG=168.33 W ± 1.27km

DEPTH= 32 km ± 0.07km

STATIONS USED = 80, STAND DEV= 1.04s

Ms=5.4/22,

m_B=5.3/3

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|--|
| MDJ | 40.6 | 284 | eP | 23 07 31.0 | -1.3 | | |
| | | | eS | 23 13 37.0 | -2.6 | | |
| CN2 | 43.5 | 286 | P | 23 07 54.0 | -2.0 | | |
| | | | ePP | 23 09 36.0 | -3.2 | | |
| | | | eS | 23 14 17.0 | -5.3 | | |
| SNY | 45.8 | 285 | +iP | 23 08 14.0 | -0.4 | | |
| | | | pP | 23 08 26.0 | 2.3 | | |
| | | | PP | 23 10 00.0 | -1.6 | | |
| | | | S | 23 14 54.0 | -0.3 | | |
| | | | sS | 23 15 15.0 | 4.3 | | |
| | | | LN | Ms=5.4 | 21.0 | 2.80 | |
| | | | LE | | 21.0 | 0.96 | |
| DL2 | 48.8 | 283 | eP | 23 08 39.5 | 1.5 | | |
| BJI | 51.2 | 288 | eP | 23 08 57.0 | 0.4 | | |
| | | | eS | 23 16 09.0 | -2.8 | | |
| | | | LN | Ms=5.4 | 19.0 | 2.02 | |
| TIA | 53.2 | 283 | -P | 23 09 11.7 | -0.1 | | |
| | | | eS | 23 16 35.5 | -4.0 | | |
| | | | LN | Ms=5.3 | 18.0 | 1.59 | |
| HHC | 53.3 | 291 | eP | 23 09 13.0 | 0.5 | | |

| | | | | | | |
|---------------------------------------|-------------|-----|-----|------------|------|------|
| | | | LE | Ms = 5.6 | 14.0 | 1.60 |
| LSA | 72.8 | 296 | +P | 23 11 22.0 | 0.1 | |
| 1987 4 10 | | | | | | |
| O | =06 13 46.2 | | | ± 0.19s | | |
| LAT | = 6.27 S | | | ± 1.62km | | |
| LONG | = 147.55 E | | | ± 1.95km | | |
| DEPTH | = 84 km | | | ± 1.04km | | |
| STATIONS USED = 57, STAND DEV = 1.53s | | | | | | |
| SSE | 44.9 | 327 | +P | 06 21 56.0 | 1.4 | |
| NJ2 | 46.9 | 326 | +P | 06 22 12.0 | 1.5 | |
| WHN | 48.5 | 321 | P | 06 22 24.7 | 1.9 | |
| GYA | 51.3 | 311 | P | 06 22 45.0 | 0.7 | |
| SNY | 52.6 | 338 | eP | 06 22 54.0 | -0.4 | |
| MDJ | 53.2 | 344 | eP | 06 22 56.5 | -1.9 | |
| CN2 | 53.7 | 340 | eP | 06 23 01.0 | -1.2 | |
| | | | epP | 06 23 22.0 | -0.6 | |
| | | | eS | 06 30 28.0 | -0.5 | |
| XAN | 54.2 | 320 | +P | 06 23 06.0 | -0.2 | |
| BJI | 54.4 | 331 | eP | 06 23 07.0 | -0.4 | |
| TIY | 54.6 | 326 | eP | 06 23 09.6 | 0.4 | |
| CD2 | 55.9 | 314 | eP | 06 23 17.8 | -0.2 | |
| HHC | 57.3 | 328 | eP | 06 23 29.5 | 0.8 | |
| BTO | 58.0 | 327 | eP | 06 23 33.0 | -0.2 | |
| LZH | 58.8 | 319 | P | 06 23 40.0 | 1.4 | |
| GTA | 63.3 | 320 | P | 06 24 09.5 | 0.3 | |
| LSA | 64.8 | 307 | -P | 06 24 19.4 | -0.2 | |
| WMQ | 73.3 | 319 | P | 06 25 06.0 | -5.5 | |

| | | | | | | |
|---------------------------------------|-------------|--------------------------|-----|----------------------|------|------|
| 1987 4 10 | | | | | | |
| O | =06 43 24.6 | | | ± 0.23s | | |
| LAT | = 37.13 N | | | ± 2.43km | | |
| LONG | = 57.60 E | | | ± 2.20km | | |
| DEPTH | = 48 km | | | ± 0.90km | | |
| STATIONS USED = 68, STAND DEV = 1.65s | | | | | | |
| Ms = 5.1 / 18, | | m _B = 5.3 / 2 | | | | |
| KSH | 14.6 | 75 | P | 06 46 47.0 | -3.6 | |
| | | | S | 06 49 24.0 | -6.7 | |
| | | | LN | Ms = 5.4 | 10.0 | 9.90 |
| WMQ | 23.8 | 64 | P | 06 48 34.8 | 0.8 | |
| | | | LN | Ms = 5.1 | 6.5 | 1.41 |
| LSA | 28.9 | 95 | eP | 06 49 20.0 | -1.7 | |
| | | | SME | m _B = 5.3 | 9.0 | 0.62 |
| GTA | 33.0 | 73 | eP | 06 49 58.0 | 0.0 | |
| | | | ePP | 06 51 13.5 | 5.2 | |
| | | | LE | Ms = 5.1 | 11.0 | 1.30 |
| LZH | 36.9 | 77 | eP | 06 50 32.0 | 1.2 | |
| | | | LN | Ms = 4.9 | 20.0 | 1.19 |
| KMI | 40.1 | 94 | +P | 06 50 58.0 | 0.0 | |
| BTO | 40.5 | 68 | eP | 06 51 04.0 | 3.1 | |

| | | | | | | |
|-----|------|----|-----|------------|------|------|
| | | | eS | 06 57 10.0 | 4.0 | |
| | | | LN | Ms = 5.1 | 13.0 | 0.80 |
| | | | LE | | 13.0 | 0.80 |
| XAN | 41.4 | 78 | eP | 06 51 09.4 | 0.6 | |
| | | | LN | Ms = 5.1 | 18.0 | 1.34 |
| HHC | 41.6 | 68 | eP | 06 51 11.6 | 1.7 | |
| | | | eS | 06 57 23.4 | 1.2 | |
| | | | LN | Ms = 5.0 | 11.0 | 0.49 |
| | | | LE | | 9.0 | 0.41 |
| GYA | 42.6 | 90 | P | 06 51 18.6 | 0.0 | |
| TIY | 43.0 | 72 | eP | 06 51 22.7 | 0.9 | |
| | | | PP | 06 53 09.0 | 5.1 | |
| | | | ScS | 07 01 10.5 | -4.0 | |
| | | | LN | Ms = 5.0 | 19.0 | 1.06 |
| | | | LE | | 11.0 | 0.43 |
| BJI | 45.2 | 67 | eP | 06 51 39.0 | 0.0 | |
| TIA | 47.1 | 72 | eP | 06 51 55.2 | 1.3 | |
| | | | LN | Ms = 5.2 | 14.0 | 0.89 |
| | | | LE | | 14.0 | 0.58 |
| QZN | 48.9 | 97 | eP | 06 52 07.8 | -0.3 | |
| | | | eS | 06 59 07.0 | 0.0 | |
| | | | LN | Ms = 5.0 | 14.0 | 0.50 |
| | | | LE | | 13.0 | 0.50 |
| CN2 | 50.7 | 60 | eP | 06 52 22.5 | 0.1 | |
| | | | eS | 06 59 32.0 | -1.0 | |
| SSE | 52.1 | 77 | eP | 06 52 34.0 | 1.2 | |
| | | | LE | Ms = 5.2 | 16.0 | 1.15 |
| MDJ | 53.3 | 58 | eP | 06 52 42.5 | 0.6 | |

| | | | | | | |
|--------------------------------------|-------------|-----|-----|----------------------|------|-------|
| 1987 4 10 | | | | | | |
| O | =09 29 24.3 | | | ± 0.04s | | |
| LAT | = 40.42 N | | | ± 0.35km | | |
| LONG | = 109.01 E | | | ± 0.31km | | |
| DEPTH | = 14 km | | | ± 0.06km | | |
| STATIONS USED = 9, STAND DEV = 2.62s | | | | | | |
| M _L = 3.4 / 8, | | | | | | |
| HHC | 2.0 | 77 | -Pg | 09 29 58.6 | -1.0 | |
| | | | Sg | 09 30 23.8 | -2.9 | |
| | | | SMN | M _L = 3.7 | 0.6 | 0.71 |
| | | | SME | | 0.6 | 0.65 |
| TIY | 3.8 | 134 | ePn | 09 30 22.7 | -0.2 | |
| | | | Pg | 09 30 29.8 | -1.6 | |
| | | | Sn | 09 31 08.1 | -1.1 | |
| | | | Sg | 09 31 17.2 | -6.1 | |
| | | | SMN | M _L = 3.5 | 0.6 | 0.10 |
| | | | SME | | 0.6 | 0.11 |
| BJI | 5.5 | 92 | Pg | 09 31 01.0 | -0.4 | |
| | | | Sg | 09 32 11.0 | -5.5 | |
| | | | SMN | M _L = 2.9 | 0.5 | 0.010 |
| | | | SME | | 0.5 | 0.010 |

1987 4 10
 O=10 32 29.6 ± 0.47s
 LAT=37.61 N ± 4.76km
 LONG= 79.09 E ± 1.46km
 DEPTH= 22 km ± 0.14km
 STATIONS USED = 7, STAND DEV= 3.43s

$M_L=4.2/5,$

| | | | | | | | |
|-----|-----|-----|-----|------------|------|-----------|----------|
| KSH | 3.1 | 308 | -Pn | 10 33 17.6 | 0.3 | | |
| | | | Pg | 10 33 22.0 | -1.6 | | |
| | | | Sn | 10 33 57.5 | 2.7 | | |
| | | | Sg | 10 34 02.5 | -3.0 | | |
| | | | SMN | | | $M_L=4.7$ | 0.5 3.50 |
| | | | SME | | | | 0.5 1.90 |
| WMQ | 9.0 | 44 | eP | 10 34 42.7 | 1.0 | | |
| | | | S | 10 36 28.1 | 5.0 | | |

1987 4 10
 O=10 59 38.1 ± 0.09s
 LAT=35.98 N ± 1.70km
 LONG=139.79 E ± 1.74km
 DEPTH= 61 km ± 0.75km
 STATIONS USED = 74, STAND DEV= 1.72s

$M_s=4.4/8,$ $m_B=5.2/1$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-----------|-----------|
| MDJ | 11.6 | 321 | eP | 11 02 26.7 | 3.2 | | |
| | | | sP | 11 02 43.0 | 1.7 | | |
| CN2 | 13.5 | 310 | eP | 11 02 50.0 | 1.5 | | |
| | | | sP | 11 03 05.0 | -1.5 | | |
| | | | eS | 11 05 20.0 | 3.5 | | |
| SNY | 13.9 | 300 | -P | 11 02 55.4 | 1.5 | | |
| | | | sP | 11 03 13.0 | 1.0 | | |
| | | | LN | | | $M_s=4.3$ | 15.0 0.81 |
| | | | LE | | | | 16.0 0.93 |
| SSE | 16.3 | 258 | P | 11 03 26.0 | 1.9 | | |
| | | | PMZ | | | | 1.0 0.030 |
| | | | eS | 11 06 25.0 | 3.7 | | |
| | | | SS | 11 06 48.0 | 6.6 | | |
| NJ2 | 17.8 | 263 | eP | 11 03 45.4 | 2.1 | | |
| TIA | 18.3 | 277 | eP | 11 03 49.4 | -0.3 | | |
| | | | esP | 11 04 08.0 | -0.5 | | |
| | | | eS | 11 07 09.2 | 1.1 | | |
| BJI | 19.0 | 289 | eP | 11 03 57.0 | -1.1 | | |
| | | | eS | 11 07 21.0 | -2.9 | | |
| WHN | 21.9 | 263 | P | 11 04 29.2 | 1.0 | | |
| | | | sP | 11 04 50.0 | 1.4 | | |
| | | | S | 11 08 22.0 | 1.7 | | |
| | | | LE | | | $M_s=4.3$ | 12.0 0.50 |
| TIY | 21.9 | 283 | eP | 11 04 28.0 | -0.4 | | |
| | | | sP | 11 04 51.5 | 2.8 | | |
| | | | LE | | | $M_s=4.6$ | 19.0 1.46 |

| | | | | | | | |
|-----|------|-----|-----|------------|------|--|--|
| HHC | 22.6 | 291 | +P | 11 04 35.7 | 0.8 | | |
| BTO | 23.8 | 290 | eP | 11 04 45.0 | -1.2 | | |
| XAN | 25.3 | 275 | -P | 11 05 00.4 | -0.7 | | |
| GZH | 26.3 | 248 | eP | 11 05 11.0 | 1.2 | | |
| LZH | 29.0 | 281 | eP | 11 05 32.0 | -2.6 | | |
| GYA | 29.8 | 261 | P | 11 05 40.8 | -0.8 | | |
| CD2 | 30.4 | 271 | eP | 11 05 45.0 | -2.0 | | |
| QZN | 31.3 | 245 | eP | 11 05 55.4 | 0.3 | | |
| GTA | 31.6 | 288 | P | 11 05 57.8 | -0.4 | | |
| KMI | 33.5 | 262 | +P | 11 06 14.0 | -0.6 | | |
| WMQ | 40.2 | 298 | eP | 11 07 10.5 | 0.2 | | |
| LSA | 41.0 | 276 | -iP | 11 07 18.5 | 0.7 | | |

1987 4 10
 O=18 43 06.5 ± 0.15s
 LAT= 0.20 N ± 1.95km
 LONG=130.39 E ± 3.97km
 DEPTH= 34 km ± 0.17km
 STATIONS USED = 38, STAND DEV= 1.89s

| | | | | | | | |
|-----|------|-----|----|------------|------|--|--|
| QZN | 27.5 | 314 | eP | 18 48 50.4 | -1.8 | | |
| WHN | 33.8 | 335 | eP | 18 49 44.0 | -3.9 | | |
| KMI | 36.4 | 315 | +P | 18 50 11.0 | 0.4 | | |
| XAN | 39.2 | 331 | eP | 18 50 32.0 | -1.7 | | |
| CD2 | 39.6 | 323 | eP | 18 50 36.8 | -0.3 | | |
| TIY | 40.8 | 338 | eP | 18 50 46.8 | -0.3 | | |
| BJI | 41.7 | 344 | eP | 18 50 54.0 | -0.2 | | |
| LZH | 43.4 | 328 | eP | 18 51 09.0 | 0.8 | | |
| LSA | 47.5 | 312 | eP | 18 51 40.6 | -0.6 | | |
| WMQ | 57.7 | 324 | P | 18 52 55.5 | -1.2 | | |

1987 4 10
 O=22 10 01.0 ± 0.10s
 LAT=16.72 S ± 0.63km
 LONG=174.25 W ± 1.03km
 DEPTH=207 km ± 0.77km
 STATIONS USED = 31, STAND DEV= 1.05s

| | | | | | | | |
|-----|------|-----|----|------------|------|--|--|
| MDJ | 79.6 | 323 | eP | 22 21 47.0 | -0.2 | | |
| CN2 | 81.6 | 321 | P | 22 21 57.0 | -0.7 | | |
| BJI | 85.8 | 314 | eP | 22 22 19.0 | 0.1 | | |
| TIY | 87.5 | 310 | eP | 22 22 27.8 | 0.6 | | |
| GYA | 87.9 | 298 | P | 22 22 31.0 | 1.6 | | |
| XAN | 88.7 | 306 | eP | 22 22 34.0 | 0.9 | | |

1987 4 10
 O=23 03 28.5 ± 0.12s
 LAT=46.29 N ± 3.86km
 LONG=152.40 E ± 2.52km
 DEPTH= 31 km ± 1.56km
 STATIONS USED = 66, STAND DEV= 1.77s
 $M_s=4.6/7,$

O = 14 25 01.5 ± 0.12s
 LAT = 11.68 S ± 1.49km
 LONG = 166.52 E ± 1.84km
 DEPTH = 190 km ± 0.73km
 STATIONS USED = 77, STAND DEV = 1.06s
 $m_R = 5.4 / 1$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-----|-------|
| SSE | 60.8 | 316 | +iP | 14 34 56.0 | -0.4 | | |
| | | | PMZ | | | 0.9 | 0.070 |
| GZH | 62.5 | 304 | P | 14 35 08.0 | 0.7 | | |
| NJ2 | 63.0 | 315 | +P | 14 35 10.8 | 0.0 | | |
| QZN | 63.6 | 298 | -P | 14 35 16.0 | 1.0 | | |
| MDJ | 65.3 | 332 | +iP | 14 35 26.1 | 0.6 | | |
| WHN | 65.4 | 311 | P | 14 35 26.0 | -0.2 | | |
| DL2 | 65.4 | 323 | P | 14 35 25.4 | -1.2 | | |
| TIA | 66.6 | 318 | eP | 14 35 33.0 | -1.0 | | |
| CN2 | 66.7 | 329 | +iP | 14 35 34.1 | -0.4 | | |
| | | | epP | 14 36 15.5 | -3.1 | | |
| GYA | 69.4 | 304 | P | 14 35 51.8 | 0.3 | | |
| BJI | 69.5 | 321 | eP | 14 35 51.5 | -0.1 | | |
| TIY | 70.5 | 317 | +iP | 14 35 58.6 | 0.3 | | |
| | | | PMZ | | | 1.0 | 0.050 |
| XAN | 71.1 | 312 | +iP | 14 36 01.9 | 0.2 | | |
| KMI | 72.1 | 301 | +P | 14 36 09.0 | 1.2 | | |
| HHC | 72.8 | 319 | +P | 14 36 12.4 | 0.5 | | |
| CD2 | 73.6 | 307 | P | 14 36 16.5 | 0.1 | | |
| BTO | 73.7 | 319 | eP | 14 36 16.1 | -0.8 | | |
| LZH | 75.7 | 312 | +iP | 14 36 30.0 | 1.2 | | |
| | | | PMZ | | | 1.0 | 0.13 |
| GTA | 80.0 | 314 | +iP | 14 36 53.0 | 0.7 | | |
| LSA | 83.3 | 302 | +P | 14 37 09.6 | 0.0 | | |
| WMQ | 90.1 | 315 | +iP | 14 37 41.5 | -0.3 | | |

1987 4 11

O = 16 22 08.3 ± 0.12s
 LAT = 53.43 N ± 3.85km
 LONG = 167.39 W ± 1.78km
 DEPTH = 33 km ± 0.37km
 STATIONS USED = 48, STAND DEV = 2.01s
 $M_s = 4.9 / 3,$

| | | | | | | | |
|-----|------|-----|----|------------|------|-------------|-----------|
| MDJ | 41.0 | 284 | cP | 16 29 50.0 | -0.3 | | |
| CN2 | 43.9 | 286 | eP | 16 30 13.4 | -0.5 | | |
| | | | eS | 16 36 40.0 | -2.8 | | |
| SNY | 46.2 | 285 | eP | 16 30 34.4 | 2.1 | | |
| BTO | 54.7 | 292 | eP | 16 31 36.6 | -0.5 | | |
| TIY | 55.3 | 288 | eP | 16 31 43.4 | 1.7 | | |
| | | | S | 16 39 23.0 | 2.0 | | |
| | | | LN | | | $M_s = 4.9$ | 12.0 0.35 |
| WHN | 59.3 | 281 | P | 16 32 10.5 | 0.5 | | |
| XAN | 59.9 | 288 | eP | 16 32 14.0 | -0.2 | | |
| GTA | 61.1 | 298 | P | 16 32 21.5 | -0.5 | | |

| | | | | | | | |
|-----|------|-----|----|------------|-----|-------------|-----------|
| | | | LE | | | $M_s = 5.0$ | 14.0 0.46 |
| WMQ | 63.8 | 309 | P | 16 32 40.3 | 0.0 | | |
| CD2 | 65.2 | 289 | eP | 16 32 49.8 | 0.7 | | |
| GYA | 66.9 | 283 | P | 16 33 01.0 | 1.1 | | |
| QZN | 70.7 | 276 | eP | 16 33 25.2 | 1.8 | | |
| LSA | 73.1 | 297 | P | 16 33 38.2 | 0.1 | | |

1987 4 11

O = 17 17 43.4 ± 0.16s
 LAT = 23.68 N ± 2.55km
 LONG = 121.69 E ± 2.38km
 DEPTH = 13 km ± 0.94km
 STATIONS USED = 71, STAND DEV = 2.56s
 $M_s = 4.5 / 12, M_L = 4.5 / 12,$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------------|-----------|
| QZH | 3.1 | 295 | Pn | 17 18 32.3 | -0.1 | | |
| | | | Pg | 17 18 40.4 | 2.3 | | |
| | | | Sn | 17 19 05.5 | -5.7 | | |
| | | | Sg | 17 19 24.0 | 3.5 | | |
| | | | SMN | | | $M_L = 4.5$ | 0.7 1.69 |
| | | | SME | | | | 0.9 1.53 |
| | | | LN | | | | 3.0 4.03 |
| SSE | 7.4 | 357 | eP | 17 19 31.0 | -3.0 | | |
| | | | S | 17 20 52.5 | -5.9 | | |
| | | | SMN | | | $M_L = 4.5$ | 1.0 0.13 |
| | | | SME | | | | 1.0 0.21 |
| GZH | 7.7 | 267 | eP | 17 19 32.0 | -6.1 | | |
| | | | SMN | | | $M_L = 4.6$ | 1.0 0.24 |
| | | | SME | | | | 0.8 0.12 |
| WHN | 9.5 | 318 | eP | 17 20 00.0 | -2.6 | | |
| | | | LN | | | $M_s = 4.4$ | 6.0 1.25 |
| QZN | 12.0 | 250 | eP | 17 20 41.4 | 4.4 | | |
| | | | eS | 17 22 51.7 | 0.2 | | |
| TIA | 13.1 | 343 | eP | 17 20 53.1 | 0.9 | | |
| | | | LN | | | $M_s = 4.6$ | 10.0 1.35 |
| | | | LE | | | | 9.0 0.70 |
| GYA | 13.9 | 285 | P | 17 21 01.4 | -1.5 | | |
| | | | S | 17 23 31.6 | -5.9 | | |
| | | | LE | | | $M_s = 4.5$ | 12.0 1.50 |
| DL2 | 15.2 | 360 | eP | 17 21 25.0 | 5.5 | | |
| XAN | 15.2 | 316 | eP | 17 21 23.8 | 3.8 | | |
| | | | LE | | | $M_s = 4.3$ | 10.0 0.64 |
| TIY | 16.1 | 333 | eP | 17 21 33.2 | 1.9 | | |
| | | | LE | | | $M_s = 4.4$ | 11.0 0.80 |
| BJI | 17.0 | 345 | eP | 17 21 48.0 | 5.6 | | |
| KMI | 17.3 | 279 | eP | 17 21 50.0 | 2.8 | | |
| CD2 | 17.5 | 298 | eP | 17 21 49.2 | 0.3 | | |
| | | | LE | | | $M_s = 4.8$ | 18.0 3.46 |
| HHC | 19.1 | 336 | eP | 17 22 11.0 | 1.9 | | |
| BTO | 19.5 | 333 | eP | 17 22 13.2 | -0.5 | | |
| LZH | 19.8 | 313 | eP | 17 22 16.5 | -0.1 | | |

| | | LE | Ms=4.5 | 10.0 | 0.70 | | | S | 18 19 45.0 | 4.8 | | | | | |
|---------------------------------------|------|-----|--------|------------|------|------|-----|------|------------|------------|------------|------|------|------------|------|
| CN2 | 20.3 | 8 | eP | 17 22 22.6 | 0.4 | | | LN | Ms=5.0 | 13.0 | 4.58 | | | | |
| | | | eS | 17 25 59.0 | -5.7 | | | LE | | 12.0 | 2.06 | | | | |
| MDJ | 21.9 | 15 | eP | 17 22 39.2 | 1.1 | | XAN | 15.3 | 314 | -P | 18 17 01.1 | 0.5 | | | |
| GTA | 24.3 | 315 | -P | 17 23 02.1 | 0.2 | | | pP | | 18 17 06.4 | -0.6 | | | | |
| LSA | 27.9 | 289 | P | 17 23 36.3 | 0.3 | | | sP | | 18 17 12.0 | 0.7 | | | | |
| WMQ | 34.3 | 314 | P | 17 24 32.5 | 0.1 | | | S | | 18 19 52.0 | 3.1 | | | | |
| | | | | | | | | LN | Ms=5.5 | 8.0 | 6.17 | | | | |
| | | | | | | | | LE | | 12.0 | 11.1 | | | | |
| 1987 4 11 | | | | | | | TIY | 16.0 | 331 | eP | 18 17 13.2 | 3.1 | | | |
| O=18 13 24.9 ± 0.11s | | | | | | | | | | sP | 18 17 22.5 | 1.7 | | | |
| LAT=23.97 N ± 1.55km | | | | | | | | | | S | 18 20 10.0 | 4.0 | | | |
| LONG=122.09 E ± 1.58km | | | | | | | | | | LN | Ms=5.4 | 14.0 | 10.7 | | |
| DEPTH=26 km ± 0.37km | | | | | | | BJI | 16.8 | 344 | eP | 18 17 22.0 | 2.1 | | | |
| STATIONS USED =105, STAND DEV = 1.89s | | | | | | | | | | eS | 18 20 29.0 | 4.3 | | | |
| Ms=5.4/42, ML=5.1/4, mb=5.3/5 | | | | | | | | | | SMN | mb=5.1 | 10.0 | 0.56 | | |
| QZH | 3.3 | 288 | +iPn | 18 14 17.0 | 1.2 | | | | | SME | | 9.0 | 0.92 | | |
| | | | Sn | 18 14 52.7 | -3.6 | | | | | LN | Ms=5.1 | 15.0 | 5.20 | | |
| | | | SMN | ML=5.1 | 1.2 | 6.38 | | | | | | | | | |
| | | | SME | | 1.4 | 6.80 | KMI | 17.6 | 278 | -P | 18 17 33.0 | 1.9 | | | |
| | | | LE | Ms=4.8 | 12.0 | 35.2 | | | | sP | 18 17 42.5 | 0.8 | | | |
| SSE | 7.1 | 354 | eP | 18 15 09.0 | -1.5 | | | | | eS | 18 20 46.0 | 1.0 | | | |
| | | | eS | 18 16 30.0 | -1.4 | | | | | sS | 18 20 54.0 | -1.3 | | | |
| | | | SMN | ML=5.0 | 1.1 | 0.44 | | | | SS | 18 21 08.5 | 2.4 | | | |
| | | | SME | | 1.0 | 0.75 | | | | LN | Ms=5.7 | 11.0 | 8.00 | | |
| GZH | 8.1 | 265 | +P | 18 15 23.0 | -0.5 | | | | | LE | | 11.0 | 11.9 | | |
| | | | LN | Ms=5.2 | 9.0 | 5.94 | CD2 | 17.7 | 297 | eP | 18 17 31.3 | 0.1 | | | |
| | | | LE | | 11.0 | 13.6 | | | | PP | 18 17 41.5 | -3.7 | | | |
| NJ2 | 8.5 | 341 | -P | 18 15 27.6 | -2.4 | | | | | LE | Ms=5.7 | 13.0 | 16.2 | | |
| | | | S | 18 17 03.8 | -2.5 | | | | | SNY | 17.8 | 4 | eP | 18 17 33.8 | 0.5 |
| | | | LE | Ms=5.2 | 8.0 | 10.8 | | | | pP | 18 17 39.0 | -1.1 | | | |
| WHN | 9.5 | 315 | eP | 18 15 41.0 | -2.3 | | | | | eS | 18 20 56.0 | 6.9 | | | |
| | | | pP | 18 15 46.0 | -3.8 | | | | | LN | Ms=5.3 | 11.5 | 5.20 | | |
| | | | S | 18 17 28.0 | -2.1 | | | | | LE | | 14.0 | 2.86 | | |
| | | | LE | Ms=5.4 | 8.0 | 14.6 | HHC | 19.0 | 335 | P | 18 17 48.8 | 1.1 | | | |
| QZN | 12.4 | 249 | eP | 18 16 23.7 | 0.6 | | | | | sP | 18 17 58.0 | -0.5 | | | |
| | | | eS | 18 18 39.8 | -1.8 | | | | | PP | 18 18 04.0 | 0.4 | | | |
| | | | SS | 18 18 55.0 | -0.9 | | | | | S | 18 21 18.5 | 3.9 | | | |
| | | | LN | Ms=4.8 | 15.0 | 2.50 | | | | LN | Ms=5.3 | 13.0 | 5.72 | | |
| | | | LE | | 16.0 | 4.60 | | | | LE | | 13.0 | 2.94 | | |
| TIA | 12.9 | 342 | eP | 18 16 31.2 | 1.2 | | | | | BTO | 19.4 | 331 | P | 18 17 52.0 | -0.5 |
| | | | ePP | 18 16 42.5 | 2.3 | | | | | sP | 18 18 02.0 | -1.4 | | | |
| | | | LN | Ms=5.2 | 11.5 | 6.88 | | | | PP | 18 18 10.0 | 0.4 | | | |
| | | | LE | | 11.5 | 4.51 | | | | S | 18 21 21.5 | -2.6 | | | |
| GYA | 14.2 | 283 | P | 18 16 46.8 | 0.2 | | | | | eSS | 18 21 48.0 | -2.7 | | | |
| | | | PP | 18 16 57.0 | -0.7 | | | | | LN | Ms=5.4 | 13.0 | 3.40 | | |
| | | | S | 18 19 21.2 | -2.3 | | | | | LE | | 13.0 | 6.00 | | |
| | | | LN | Ms=5.5 | 12.0 | 7.00 | LZH | 19.8 | 312 | -iP | 18 17 58.0 | 0.9 | | | |
| | | | LE | | 12.0 | 14.0 | | | | PMZ | | 2.0 | 0.63 | | |
| DL2 | 14.9 | 359 | P | 18 17 00.0 | 4.3 | | | | | sP | 18 18 08.0 | -0.3 | | | |
| | | | csP | 18 17 07.0 | 0.5 | | | | | S | 18 21 33.0 | -0.4 | | | |

| | | | | | | |
|-----|------|-----|---------------------|------------|------|--|
| | | eS | 19 15 20.0 | 4.6 | | |
| | | LN | Ms=5.3 | 15.0 | 2.16 | |
| TIY | 39.4 | 340 | +P | 19 09 34.5 | -0.1 | |
| | | PP | 19 11 10.0 | 0.8 | | |
| | | S | 19 15 37.0 | 4.3 | | |
| | | sS | 19 15 52.5 | 2.9 | | |
| | | LE | Ms=4.7 | 29.0 | 1.15 | |
| BJI | 40.4 | 345 | eP | 19 09 42.0 | -0.9 | |
| | | LN | Ms=4.8 | 13.0 | 0.60 | |
| SNY | 40.8 | 354 | +P | 19 09 45.8 | -0.6 | |
| LZH | 41.7 | 329 | -P | 19 09 55.0 | 0.9 | |
| | | eS | 19 16 11.0 | 2.0 | | |
| | | LN | Ms=5.5 | 18.0 | 1.88 | |
| | | LE | | 18.0 | 3.02 | |
| HHC | 42.5 | 341 | eP | 19 10 00.0 | -0.3 | |
| CN2 | 42.6 | 357 | eP | 19 10 01.4 | 0.1 | |
| | | eS | 19 16 21.0 | -0.7 | | |
| BTO | 42.8 | 339 | P | 19 10 02.0 | -0.8 | |
| | | PP | 19 11 45.0 | 0.4 | | |
| | | eS | 19 16 21.5 | -3.1 | | |
| | | LN | Ms=5.3 | 22.0 | 1.90 | |
| | | LE | | 22.0 | 2.30 | |
| MDJ | 43.3 | 1 | -P | 19 10 08.2 | 1.0 | |
| | | eS | 19 16 30.0 | -2.4 | | |
| LSA | 45.6 | 312 | P | 19 10 25.0 | -0.8 | |
| | | S | 19 17 07.0 | 3.1 | | |
| | | SME | m _B =5.6 | 8.0 | 0.65 | |
| GTA | 46.3 | 329 | P | 19 10 30.5 | -0.7 | |
| | | eS | 19 17 18.0 | 2.5 | | |
| | | sS | 19 17 33.0 | 1.7 | | |
| | | LE | Ms=5.0 | 13.0 | 0.79 | |
| WMQ | 55.9 | 325 | eP | 19 11 42.3 | -1.6 | |
| | | eS | 19 19 25.1 | -3.1 | | |
| | | LE | Ms=5.7 | 19.0 | 3.96 | |
| KSH | 61.2 | 315 | -iP | 19 12 21.0 | 0.3 | |
| | | eS | 19 20 36.0 | -0.8 | | |
| | | LE | Ms=5.5 | 9.0 | 1.00 | |

1987 4 11
 O=19 09 23.0 ± 0.06s
 LAT=14.60 N ± 1.06km
 LONG=146.79 E ± 0.80km
 DEPTH= 52 km ± 0.70km
 STATIONS USED = 13, STAND DEV= 1.32s
 GYA 39.2 294 P 19 16 50.8 2.3

1987 4 11
 O=20 44 31.2 ± 0.14s
 LAT=39.48 N ± 1.42km
 LONG=106.81 E ± 1.18km

| | | | | | |
|-----|-----|--------------------------------------|-----|---------------------|-----------|
| | | DEPTH= 20 km ± 0.79km | | | |
| | | STATIONS USED = 15, STAND DEV= 3.36s | | | |
| | | M _L =3.4 / 14, | | | |
| BTO | 2.7 | 65 | cPn | 20 45 12.8 | -1.5 |
| | | | Pg | 20 45 18.0 | -1.1 |
| | | | Sn | 20 45 45.0 | -3.1 |
| | | | Sg | 20 45 53.8 | -2.4 |
| | | | SMN | M _L =3.3 | 0.2 0.16 |
| | | | SME | | 0.2 0.15 |
| HHC | 3.9 | 68 | Pg | 20 45 44.0 | 3.8 |
| | | | Sg | 20 46 36.0 | 2.7 |
| | | | SMN | M _L =4.0 | 0.4 0.31 |
| | | | SME | | 0.6 0.33 |
| LZH | 4.1 | 216 | ePg | 20 45 47.5 | 3.1 |
| | | | Sg | 20 46 37.0 | -3.5 |
| | | | SMN | M _L =3.5 | 1.0 0.090 |
| | | | SME | | 1.5 0.080 |
| TIY | 4.7 | 110 | cPn | 20 45 38.4 | -4.0 |
| | | | Pg | 20 45 54.5 | -0.6 |
| | | | Sn | 20 46 35.6 | -3.1 |
| | | | SMN | M _L =3.4 | 0.6 0.050 |
| | | | SME | | 0.7 0.050 |
| GTA | 5.4 | 271 | Pn | 20 45 49.2 | -2.3 |
| | | | Pg | 20 46 07.0 | 0.2 |
| | | | Sg | 20 47 17.0 | -3.9 |
| | | | SMN | M _L =3.0 | 0.7 0.020 |
| | | | SME | | 0.7 0.010 |
| XAN | 5.7 | 162 | cPg | 20 46 10.0 | -1.9 |
| | | | SMN | M _L =3.2 | 0.6 0.020 |
| | | | SME | | 1.0 0.020 |

1987 4 11
 O=22 01 30.0 ± 0.13s
 LAT=31.25 N ± 2.43km
 LONG=132.06 E ± 2.55km
 DEPTH= 5 km ± 1.34km
 STATIONS USED = 65, STAND DEV= 2.16s
 Ms=4.4 / 12, m_B=5.0 / 1

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| SSE | 9.3 | 272 | eP | 22 03 49.0 | 0.8 |
| | | | esS | 22 05 41.0 | 0.0 |
| | | | LE | Ms=3.9 | 15.0 0.86 |
| NJ2 | 11.3 | 278 | -P | 22 04 16.6 | 1.3 |
| | | | LE | Ms=4.2 | 12.0 1.20 |
| DL2 | 11.5 | 315 | eP | 22 04 18.0 | 0.4 |
| | | | eS | 22 06 27.0 | -0.2 |
| | | | LN | Ms=4.2 | 13.0 1.24 |
| SNY | 12.6 | 330 | +iP | 22 04 33.0 | 0.5 |
| TIA | 13.4 | 296 | -P | 22 04 44.6 | 1.1 |
| | | | LN | Ms=4.5 | 14.0 1.48 |
| | | | LE | | 14.0 1.01 |

| | | | | | | | | | |
|-----|------|-----|----|------------|------|------|--|--|--|
| MDJ | 13.5 | 352 | -P | 22 04 47.0 | 2.1 | | | | |
| CN2 | 13.6 | 339 | eP | 22 04 45.0 | -1.1 | | | | |
| | | | sP | 22 04 54.0 | 0.8 | | | | |
| | | | eS | 22 07 15.0 | -3.6 | | | | |
| BJI | 15.6 | 309 | eP | 22 05 16.5 | 4.0 | | | | |
| | | | LE | Ms=4.2 | 13.0 | 0.64 | | | |
| TIY | 17.4 | 297 | eP | 22 05 36.2 | 0.5 | | | | |
| | | | LN | Ms=4.5 | 12.5 | 0.67 | | | |
| | | | LE | | 14.0 | 1.00 | | | |
| HHC | 19.1 | 306 | -P | 22 05 55.6 | -1.0 | | | | |
| XAN | 19.7 | 284 | -P | 22 06 01.9 | -1.2 | | | | |
| | | | pP | 22 06 07.6 | 0.3 | | | | |
| | | | LE | Ms=4.5 | 13.0 | 0.88 | | | |
| BTO | 20.1 | 304 | eP | 22 06 05.5 | -2.4 | | | | |
| GYA | 22.7 | 264 | P | 22 06 34.6 | 0.0 | | | | |
| LZH | 23.9 | 289 | eP | 22 06 45.0 | -1.4 | | | | |
| CD2 | 24.2 | 277 | eP | 22 06 48.3 | -0.8 | | | | |
| GTA | 27.4 | 296 | P | 22 07 16.6 | -2.7 | | | | |
| | | | LE | Ms=4.6 | 13.0 | 0.70 | | | |
| WMQ | 36.9 | 303 | P | 22 08 40.2 | -2.1 | | | | |

1987 4 11
O=23 50 28.2 ± 0.11s
LAT=31.57 N ± 2.49km
LONG= 55.96 E ± 1.80km
DEPTH= 23 km ± 0.29km
STATIONS USED = 59, STAND DEV= 1.68s
Ms=5.4/18, m_B=5.5/2

| | | | | | | | | | |
|-----|------|----|-----|---------------------|------|------|--|--|--|
| KSH | 18.1 | 59 | eP | 23 54 41.0 | 1.0 | | | | |
| | | | eS | 23 57 58.0 | -0.4 | | | | |
| | | | LN | Ms=5.6 | 10.0 | 11.0 | | | |
| WMQ | 27.8 | 55 | P | 23 56 18.8 | 1.0 | | | | |
| | | | S | 24 01 00.0 | 3.3 | | | | |
| | | | LN | Ms=5.5 | 22.0 | 9.88 | | | |
| LSA | 30.3 | 84 | +P | 23 56 40.5 | 0.0 | | | | |
| | | | SME | m _B =5.8 | 10.0 | 1.95 | | | |
| GTA | 36.3 | 65 | P | 23 57 32.0 | -0.3 | | | | |
| | | | S | 24 03 15.0 | 5.0 | | | | |
| | | | LN | Ms=5.0 | 10.0 | 0.74 | | | |
| LZH | 39.7 | 70 | +P | 23 58 03.5 | 2.3 | | | | |
| | | | eS | 24 04 05.0 | 1.2 | | | | |
| | | | LN | Ms=5.4 | 12.0 | 1.21 | | | |
| | | | LE | | 12.0 | 1.77 | | | |
| CD2 | 40.6 | 78 | eP | 23 58 07.8 | -0.7 | | | | |
| | | | eS | 24 04 18.0 | 1.0 | | | | |
| | | | LN | Ms=5.1 | 26.0 | 2.11 | | | |
| KMI | 41.4 | 87 | +P | 23 58 16.5 | 1.2 | | | | |
| BTO | 44.0 | 63 | eP | 23 58 36.0 | -0.3 | | | | |
| | | | epP | 23 58 40.0 | -3.9 | | | | |
| | | | eS | 24 05 08.0 | 1.0 | | | | |

| | | | | | | | | | |
|-----|------|----|----|------------|------|------|--|--|--|
| | | | LN | Ms=5.5 | 14.0 | 1.80 | | | |
| | | | LE | | 15.0 | 1.90 | | | |
| XAN | 44.2 | 72 | P | 23 58 38.0 | 0.4 | | | | |
| | | | S | 24 05 09.0 | 0.8 | | | | |
| | | | LN | Ms=5.3 | 13.0 | 1.16 | | | |
| | | | LE | | 11.0 | 0.91 | | | |
| GYA | 44.3 | 83 | P | 23 58 39.6 | 0.8 | | | | |
| HHC | 45.2 | 62 | eP | 23 58 48.4 | 2.9 | | | | |
| TIY | 46.3 | 66 | eP | 23 58 54.5 | 0.1 | | | | |
| | | | S | 24 05 33.5 | -4.7 | | | | |
| | | | LN | Ms=5.5 | 17.0 | 1.84 | | | |
| | | | LE | | 20.5 | 2.86 | | | |
| BJI | 48.8 | 62 | eP | 23 59 15.5 | 1.9 | | | | |
| | | | eS | 24 06 17.0 | 2.7 | | | | |
| | | | LN | Ms=5.3 | 20.0 | 2.02 | | | |
| TIA | 50.3 | 67 | eP | 23 59 25.2 | 0.0 | | | | |
| | | | LN | Ms=5.5 | 17.0 | 1.96 | | | |
| | | | LE | | 17.0 | 1.19 | | | |

1987 4 12
O=02 47 18.4 ± 0.09s
LAT=35.41 N ± 1.59km
LONG= 23.39 E ± 1.44km
DEPTH= 49 km ± 0.48km
STATIONS USED = 78, STAND DEV= 1.27s
m_B=5.3/1

| | | | | | | | | | |
|-----|------|----|-----|---------------------|------|-------|--|--|--|
| KSH | 41.5 | 68 | +P | 02 55 04.0 | 1.3 | | | | |
| | | | sP | 02 55 18.0 | -2.3 | | | | |
| | | | S | 03 01 15.0 | 2.0 | | | | |
| | | | SME | m _B =5.3 | 6.0 | 0.30 | | | |
| WMQ | 49.1 | 60 | P | 02 56 04.5 | 0.7 | | | | |
| | | | PMZ | | 1.5 | 0.040 | | | |
| | | | PP | 02 58 03.7 | 6.8 | | | | |
| | | | S | 03 03 04.5 | 1.5 | | | | |
| GTA | 59.1 | 61 | +iP | 02 57 16.4 | -0.6 | | | | |
| LZH | 63.4 | 63 | +P | 02 57 45.5 | -0.3 | | | | |
| | | | PMZ | | 2.0 | 0.12 | | | |
| CD2 | 65.7 | 68 | P | 02 58 00.0 | -0.4 | | | | |
| BTO | 65.8 | 56 | eP | 02 58 00.8 | -0.4 | | | | |
| HHC | 66.7 | 56 | +P | 02 58 07.3 | 0.2 | | | | |
| KMI | 67.6 | 74 | eP | 02 58 13.5 | 0.3 | | | | |
| XAN | 68.0 | 63 | +P | 02 58 15.0 | -0.4 | | | | |
| TIY | 68.8 | 58 | -iP | 02 58 20.4 | 0.4 | | | | |
| GYA | 70.0 | 71 | P | 02 58 27.6 | -0.3 | | | | |
| BJI | 70.2 | 55 | eP | 02 58 28.5 | -0.1 | | | | |
| TIA | 72.8 | 58 | eP | 02 58 43.6 | -0.5 | | | | |
| WHN | 73.7 | 64 | eP | 02 58 49.0 | -0.8 | | | | |
| SNY | 74.0 | 50 | -iP | 02 58 51.0 | -0.5 | | | | |
| CN2 | 74.1 | 47 | +P | 02 58 51.8 | 0.0 | | | | |
| DL2 | 74.4 | 53 | eP | 02 58 53.0 | -0.4 | | | | |

| | | | | | |
|-----|------|----|----|------------|------|
| MDJ | 76.1 | 45 | eP | 02 59 00.7 | -2.5 |
| NJ2 | 76.2 | 61 | eP | 02 59 03.5 | -0.4 |
| QZN | 76.4 | 76 | eP | 02 59 06.0 | 0.8 |

1987 4 12

O=03 25 48.9 ± 0.07s
 LAT=27.51 N ± 0.55km
 LONG=101.18 E ± 0.72km
 DEPTH= 13 km ± 0.26km
 STATIONS USED = 5, STAND DEV= 2.80s

$M_L=2.5/2,$

| | | | | | | | |
|-----|-----|----|-----|------------|------|-----------|-----------|
| CD2 | 4.1 | 33 | ePg | 03 26 59.1 | -1.7 | | |
| | | | SME | | | $M_L=2.5$ | 0.9 0.010 |

1987 4 12

O=14 15 55.6 ± 0.11s
 LAT=40.36 N ± 1.69km
 LONG=142.40 E ± 1.28km
 DEPTH= 79 km ± 0.86km
 STATIONS USED = 15, STAND DEV= 2.03s

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 10.4 | 298 | eP | 14 18 24.0 | 0.4 |
| CN2 | 13.1 | 291 | eP | 14 19 03.0 | 3.5 |
| BJI | 20.0 | 278 | eP | 14 20 21.0 | -3.8 |
| WMQ | 40.1 | 294 | P | 14 23 25.8 | 0.1 |

1987 4 12

O=19 30 00.4 ± 0.09s
 LAT= 5.03 N ± 1.52km
 LONG= 94.15 E ± 1.16km
 DEPTH= 46 km ± 0.41km
 STATIONS USED = 41, STAND DEV= 1.21s

$M_s=4.5/1,$

| | | | | | |
|-----|------|-----|-----|------------|------|
| QZN | 20.7 | 46 | eP | 19 34 39.8 | 0.5 |
| KMI | 21.6 | 22 | eP | 19 34 48.0 | -0.9 |
| GYA | 24.4 | 28 | P | 19 35 16.6 | 0.2 |
| CD2 | 27.3 | 18 | P | 19 35 41.2 | -1.8 |
| WHN | 31.7 | 35 | eP | 19 36 22.0 | -0.5 |
| XAN | 32.0 | 24 | +P | 19 36 22.4 | -2.2 |
| GTA | 34.6 | 8 | +iP | 19 36 46.2 | -1.4 |
| NJ2 | 35.5 | 38 | +P | 19 36 54.5 | -0.3 |
| TIY | 36.6 | 25 | +P | 19 37 05.7 | 1.5 |
| HHC | 38.9 | 21 | eP | 19 37 24.3 | 0.2 |
| WMQ | 39.0 | 353 | P | 19 37 25.8 | 0.9 |
| BJI | 40.1 | 27 | eP | 19 37 34.0 | 0.3 |
| CN2 | 47.4 | 31 | eP | 19 38 32.0 | -0.8 |
| MDJ | 50.2 | 33 | eP | 19 38 53.7 | -0.2 |

1987 4 12

O=19 59 29.9 ± 0.11s
 LAT=10.74 S ± 1.18km

LONG=162.47 E ± 0.92km
 DEPTH=111 km ± 1.36km
 STATIONS USED = 30, STAND DEV= 1.26s

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 62.6 | 334 | eP | 20 09 46.0 | 0.6 |
| CN2 | 63.9 | 331 | eP | 20 09 53.4 | -0.1 |
| BJI | 66.3 | 323 | eP | 20 10 09.0 | 0.1 |
| XAN | 67.6 | 314 | +P | 20 10 17.2 | 0.0 |
| CD2 | 69.9 | 309 | eP | 20 10 31.4 | -0.1 |
| GTA | 76.5 | 315 | -P | 20 11 10.8 | 0.3 |
| WMQ | 86.6 | 316 | P | 20 12 04.0 | 1.1 |

1987 4 13

O=08 06 40.9 ± 0.25s
 LAT=37.21 S ± 3.60km
 LONG= 78.22 E ± 4.19km
 DEPTH= 11 km ± 0.37km
 STATIONS USED = 63, STAND DEV= 1.89s

$M_s=5.6/22,$

$m_B=5.7/3$

| | | | | | | | |
|-----|------|-----|----|------------|------|-----------|-----------|
| QZN | 63.4 | 34 | eP | 08 17 15.0 | 1.7 | | |
| | | | eS | 08 25 41.5 | -3.0 | | |
| | | | LN | | | $M_s=5.6$ | 19.0 2.40 |
| KMI | 66.2 | 24 | +P | 08 17 32.0 | 0.5 | | |
| | | | pP | 08 17 37.0 | 0.0 | | |
| | | | sP | 08 17 39.0 | -0.7 | | |
| LSA | 67.6 | 12 | P | 08 17 40.0 | -1.2 | | |
| | | | iS | 08 26 43.0 | 5.4 | | |
| | | | LN | | | $M_s=5.7$ | 20.0 2.74 |
| GYA | 68.7 | 27 | P | 08 17 48.0 | 0.3 | | |
| | | | pP | 08 17 53.0 | -0.3 | | |
| CD2 | 71.9 | 23 | eP | 08 18 06.0 | -0.6 | | |
| | | | S | 08 27 29.0 | 4.1 | | |
| | | | LN | | | $M_s=5.4$ | 37.0 2.59 |
| WHN | 75.4 | 32 | eP | 08 18 29.5 | 2.2 | | |
| | | | S | 08 28 06.0 | 1.1 | | |
| | | | sS | 08 28 16.0 | 0.3 | | |
| | | | LE | | | $M_s=5.4$ | 44.0 2.50 |
| KSH | 76.3 | 358 | P | 08 18 34.0 | 1.4 | | |
| | | | sP | 08 18 42.0 | 1.3 | | |
| | | | eS | 08 28 10.0 | -6.6 | | |
| | | | LN | | | $M_s=5.9$ | 18.0 3.40 |
| XAN | 76.4 | 26 | eP | 08 18 32.2 | -1.0 | | |
| | | | pP | 08 18 37.8 | -0.9 | | |
| | | | eS | 08 28 20.0 | 2.3 | | |
| | | | SS | 08 33 20.0 | 6.5 | | |
| | | | LN | | | $M_s=5.6$ | 16.0 0.95 |
| | | | LE | | | | 16.0 0.95 |
| LZH | 76.7 | 21 | eP | 08 18 35.0 | 0.2 | | |
| | | | S | 08 28 17.0 | -2.0 | | |
| | | | LN | | | $M_s=5.6$ | 15.0 1.42 |
| NJ2 | 78.7 | 34 | eP | 08 18 45.8 | 0.3 | | |

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| | | | | | |
|-----|------|-----|----|------------|------|
| TIY | 73.6 | 317 | eP | 16 10 10.8 | -0.5 |
| KMI | 74.6 | 302 | eP | 16 10 17.5 | 0.5 |
| GTA | 83.0 | 314 | +P | 16 11 02.5 | -0.1 |

1987 4 13

O=17 18 42.6 ± 0.07s
 LAT= 7.10 S ± 1.53km
 LONG=124.76 E ± 2.45km
 DEPTH=515 km ± 0.15km
 STATIONS USED = 42, STAND DEV = 1.12s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| QZN | 29.8 | 331 | P | 17 24 10.0 | 0.6 |
| GZH | 32.0 | 340 | P | 17 24 27.5 | -0.4 |
| GYA | 37.7 | 333 | P | 17 25 15.8 | 0.4 |
| SSE | 38.1 | 355 | eP | 17 25 19.5 | 0.7 |
| KMI | 38.5 | 327 | eP | 17 25 24.0 | 1.6 |
| WHN | 38.7 | 346 | P | 17 25 24.5 | 0.8 |
| NJ2 | 39.3 | 352 | +P | 17 25 29.7 | 1.1 |
| CD2 | 42.8 | 333 | eP | 17 25 58.8 | 2.3 |
| XAN | 43.6 | 341 | +iP | 17 26 01.6 | -0.9 |
| LZH | 47.2 | 337 | +iP | 17 26 31.5 | 0.5 |
| | | | PMZ | | 1.0 0.060 |
| BJI | 47.6 | 351 | eP | 17 26 32.0 | -1.2 |
| LSA | 48.8 | 320 | +P | 17 26 42.0 | -1.1 |
| CN2 | 50.7 | 1 | +P | 17 26 55.0 | -1.4 |
| MDJ | 51.7 | 4 | eP | 17 27 04.0 | 0.3 |
| GTA | 51.7 | 335 | +P | 17 27 04.8 | 0.5 |
| WMQ | 60.8 | 330 | P | 17 28 06.2 | -0.2 |

1987 4 13

O=21 43 56.6 ± 0.09s
 LAT= 6.24 S ± 1.30km
 LONG=103.82 E ± 1.35km
 DEPTH= 33 km ± 0.02km
 STATIONS USED = 12, STAND DEV = 0.83s

| | | | | | |
|-----|------|-----|----|------------|------|
| TIY | 44.5 | 10 | eP | 21 52 07.8 | 0.8 |
| GTA | 45.6 | 356 | P | 21 52 15.8 | -0.2 |
| BJI | 47.4 | 13 | eP | 21 52 30.0 | -0.5 |
| WMQ | 51.9 | 345 | P | 21 53 05.0 | 0.1 |
| CN2 | 53.5 | 19 | eP | 21 53 15.0 | -1.8 |

1987 4 14

O=02 08 13.3 ± 0.08s
 LAT=18.85 N ± 1.19km
 LONG=146.97 E ± 1.90km
 DEPTH= 22 km ± 0.22km
 STATIONS USED = 95, STAND DEV = 1.07s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| SSE | 26.3 | 303 | +iP | 02 13 49.0 | -0.5 |
| | | | PMZ | | 1.0 0.030 |
| | | | pP | 02 13 56.0 | -0.7 |

| | | |
|----|------------|------|
| sP | 02 14 05.0 | 4.9 |
| PP | 02 14 30.0 | -1.3 |
| S | 02 18 16.0 | -2.2 |
| sS | 02 18 37.0 | 5.9 |
| SS | 02 19 32.0 | 5.1 |

| | | | |
|----|--------|------|------|
| LN | Ms=6.1 | 15.0 | 15.5 |
| LE | | 15.0 | 23.2 |

| | | | | | |
|-----|------|-----|-----|---------------------|----------|
| QZH | 27.0 | 288 | +iP | 02 13 55.0 | -0.9 |
| | | | PMZ | m _B =6.0 | 6.0 1.94 |

| | | |
|----|------------|------|
| sP | 02 14 04.0 | -2.5 |
| S | 02 18 24.0 | -5.7 |

| | | | | | |
|-----|--------|------|------|------------|------|
| LE | Ms=6.0 | 20.0 | 28.9 | | |
| NJ2 | 28.5 | 303 | +P | 02 14 07.5 | -2.0 |

| | | | | | |
|--|--|--|-----|------------|-----------|
| | | | PMZ | | 14.0 2.80 |
| | | | PP | 02 15 00.0 | -0.8 |

| | | | | | |
|--|--|--|-----|------------|------|
| | | | PcP | 02 17 22.0 | 1.3 |
| | | | S | 02 18 52.0 | -1.8 |

| | | | | | |
|-----|--------|------|------|------------|-----|
| LN | Ms=6.3 | 14.0 | 32.3 | | |
| MDJ | 29.5 | 334 | +iP | 02 14 19.7 | 1.0 |

| | | | | | |
|--|--|--|-----|---------------------|----------|
| | | | PMZ | m _B =6.4 | 4.0 2.89 |
| | | | sP | 02 14 30.0 | 0.6 |

| | | | | | |
|--|--|--|----|------------|-----|
| | | | S | 02 19 17.0 | 6.9 |
| | | | sS | 02 19 27.0 | 3.8 |

| | | | | | |
|-----|------|-----|----|------------|------|
| DL2 | 29.7 | 318 | +P | 02 14 20.0 | -0.3 |
| | | | pP | 02 14 27.0 | -0.7 |

| | | | | | |
|--|--|--|----|------------|------|
| | | | sP | 02 14 32.0 | 1.0 |
| | | | eS | 02 19 13.0 | -0.9 |

| | | | | | |
|--|--|--|-----|------------|------|
| | | | csS | 02 19 26.0 | -0.1 |
| | | | ScP | 02 21 00.0 | -3.0 |

| | | | | | |
|--|--|--|-----|------------|-----------|
| | | | ScS | 02 24 57.0 | 0.5 |
| | | | LN | Ms=6.1 | 15.0 15.9 |

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| | | | LE | | 10.0 10.6 |
| SNY | 30.3 | 324 | +iP | 02 14 24.5 | -1.6 |

| | | | | | |
|--|--|--|-----|------------|-----------|
| | | | PMZ | | 19.0 4.24 |
| | | | pP | 02 14 32.0 | -1.5 |

| | | | | | |
|--|--|--|----|------------|------|
| | | | iS | 02 19 23.0 | -1.2 |
| | | | sS | 02 19 36.0 | -0.5 |

| | | | |
|----|--------|------|------|
| LN | Ms=6.1 | 18.0 | 17.9 |
| LE | | 20.0 | 17.4 |

| | | | | | |
|-----|------|-----|-----|---------------------|----------|
| CN2 | 30.8 | 329 | +P | 02 14 29.0 | -0.7 |
| | | | PMZ | m _B =6.1 | 6.0 1.90 |

| | | | | | |
|--|--|--|----|------------|------|
| | | | pP | 02 14 36.0 | -1.0 |
| | | | eS | 02 19 28.0 | -2.6 |

| | | | | | |
|-----|---------------------|-----|------|------------|------|
| SMN | m _B =5.9 | 7.0 | 2.00 | | |
| TIA | 31.4 | 309 | +P | 02 14 35.1 | -0.7 |

| | | | | | |
|--|--|--|-----|---------------------|----------|
| | | | PMZ | m _B =6.4 | 5.0 3.32 |
| | | | cpP | 02 14 41.0 | -2.0 |

| | | | | | |
|--|--|--|-----|------------|-----|
| | | | ePP | 02 15 40.0 | 0.9 |
| | | | S | 02 19 45.0 | 4.5 |

| | | | |
|-----|--|------|------|
| SMN | | 17.0 | 6.85 |
|-----|--|------|------|

| | | | | | | | | | | | | | | | |
|-----|------|-----|------|---------------------|------|------|--|--|-----|------|------------|------|---------------------|------|------|
| | | | SME | | 17.0 | 10.4 | | | | SS | 02 23 48.0 | 3.6 | | | |
| | | | LN | Ms=6.2 | 16.0 | 23.9 | | | | LN | Ms=6.3 | 18.0 | 21.8 | | |
| | | | LE | | 16.0 | 11.5 | | | | LE | | 18.0 | 15.4 | | |
| GZH | 31.6 | 284 | +P | 02 14 38.0 | 0.5 | | | | GYA | 37.8 | 289 | P | 02 15 31.2 | 0.4 | |
| | | | PP | 02 15 40.0 | -1.7 | | | | | | | pP | 02 15 37.6 | -0.5 | |
| | | | S | 02 19 50.0 | 6.4 | | | | | | | S | 02 21 26.0 | 6.5 | |
| | | | SME | | 15.0 | 16.8 | | | | | | LN | Ms=6.3 | 18.0 | 20.8 |
| | | | LN | Ms=6.2 | 15.0 | 10.4 | | | | | | LE | | 18.0 | 15.0 |
| | | | LE | | 19.0 | 25.3 | | | BTO | 38.3 | 312 | +iP | 02 15 35.0 | 0.1 | |
| WHN | 31.7 | 298 | +iP | 02 14 38.0 | -0.3 | | | | | | | PMZ | m _B =6.4 | 5.0 | 3.00 |
| | | | PMZ | m _B =5.8 | 12.0 | 1.81 | | | | | | pP | 02 15 45.0 | 2.8 | |
| | | | sP | 02 14 48.0 | -1.0 | | | | | | | PP | 02 17 11.0 | 5.5 | |
| | | | PP | 02 15 47.0 | 4.1 | | | | | | | S | 02 21 29.0 | 2.0 | |
| | | | iS | 02 19 52.0 | 6.1 | | | | | | | sS | 02 21 41.0 | 0.7 | |
| | | | SME | | 20.0 | 10.2 | | | | | | SS | 02 24 11.0 | 4.4 | |
| | | | LE | Ms=6.0 | 17.0 | 16.5 | | | | | | LN | Ms=6.4 | 16.0 | 22.6 |
| BJI | 33.9 | 315 | cP | 02 14 56.5 | -0.4 | | | | | | | LE | | 17.0 | 24.7 |
| | | | epP | 02 15 04.0 | -0.3 | | | | CD2 | 40.8 | 296 | eP | 02 15 54.4 | -0.6 | |
| | | | PMZ | | 3.0 | 2.68 | | | | | | PP | 02 17 38.0 | 6.0 | |
| | | | cS | 02 20 20.0 | 0.8 | | | | | | | S | 02 22 08.0 | 4.5 | |
| | | | SMN | m _B =6.4 | 6.0 | 3.87 | | | | | | LE | Ms=6.3 | 17.0 | 21.2 |
| | | | SME | | 6.0 | 1.78 | | | KMI | 41.3 | 287 | +P | 02 16 00.5 | 0.5 | |
| | | | esS | 02 20 31.0 | -0.5 | | | | LZH | 41.6 | 303 | +iP | 02 16 02.0 | 0.3 | |
| | | | eScS | 02 25 17.0 | -0.4 | | | | | | | PMZ | | 1.5 | 0.77 |
| | | | LN | Ms=6.0 | 16.0 | 15.4 | | | | | | S | 02 22 09.0 | -6.4 | |
| | | | LE | | 14.0 | 2.82 | | | | | | LN | Ms=6.2 | 16.0 | 15.8 |
| QZN | 35.1 | 276 | -P | 02 15 08.6 | 1.3 | | | | GTA | 45.4 | 307 | +iP | 02 16 32.2 | -0.7 | |
| | | | PP | 02 16 25.0 | -0.5 | | | | | | | PMZ | m _B =6.3 | 5.0 | 2.07 |
| | | | S | 02 20 40.5 | 3.5 | | | | | | | pP | 02 16 38.5 | -1.8 | |
| | | | ScP | 02 21 19.0 | -2.4 | | | | | | | PP | 02 18 19.0 | -0.1 | |
| | | | LN | Ms=6.2 | 18.0 | 11.8 | | | | | | S | 02 23 10.0 | -1.4 | |
| | | | LE | | 18.0 | 24.1 | | | | | | SME | m _B =6.1 | 6.5 | 1.67 |
| TIY | 35.5 | 309 | +iP | 02 15 11.5 | 0.7 | | | | | | | sS | 02 23 21.0 | -3.9 | |
| | | | PMZ | | 1.8 | 0.58 | | | | | | SS | 02 26 27.0 | 0.2 | |
| | | | PcP | 02 17 34.0 | -5.6 | | | | | | | LN | Ms=6.3 | 18.0 | 16.3 |
| | | | S | 02 20 44.0 | 0.7 | | | | | | | LE | | 17.0 | 13.1 |
| | | | sS | 02 20 58.0 | 1.5 | | | | LSA | 51.6 | 293 | +P | 02 17 21.0 | -0.2 | |
| | | | ScP | 02 21 22.0 | -0.8 | | | | | | | LE | Ms=5.9 | 18.0 | 6.47 |
| | | | LN | Ms=6.3 | 17.0 | 26.7 | | | WMQ | 55.1 | 311 | P | 02 17 47.0 | 0.1 | |
| | | | LE | | 16.0 | 9.40 | | | | | | PMZ | | 1.5 | 0.58 |
| XAN | 37.0 | 302 | +P | 02 15 23.4 | -0.6 | | | | | | | pP | 02 17 55.0 | 0.6 | |
| | | | pP | 02 15 30.0 | -1.3 | | | | | | | sP | 02 18 01.0 | 3.4 | |
| | | | PP | 02 16 57.0 | 6.9 | | | | | | | S | 02 25 30.0 | 4.1 | |
| | | | PcP | 02 17 45.0 | 0.8 | | | | | | | LN | Ms=6.5 | 16.0 | 20.9 |
| | | | ScS | 02 25 37.0 | 2.4 | | | | KSH | 63.8 | 305 | +iP | 02 18 47.0 | 0.3 | |
| | | | LN | Ms=6.3 | 16.0 | 11.4 | | | | | | ePP | 02 21 06.0 | -1.6 | |
| | | | LE | | 17.0 | 21.4 | | | | | | S | 02 27 22.0 | 4.4 | |
| HHC | 37.4 | 314 | +iP | 02 15 27.0 | 0.2 | | | | | | | eScS | 02 28 34.0 | 0.0 | |
| | | | PP | 02 16 53.0 | -1.0 | | | | | | | LE | Ms=6.6 | 16.0 | 21.4 |
| | | | S | 02 21 15.0 | 2.7 | | | | | | | | | | |

1987 4 14
 O=02 25 23.4 ± 0.05s
 LAT=19.00 N ± 1.03km
 LONG=147.07 E ± 1.51km
 DEPTH= 35 km ± 0.18km
 STATIONS USED = 26, STAND DEV= 1.03s

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 29.4 | 334 | eP | 02 31 27.5 | 1.3 |
| SNY | 30.3 | 324 | eP | 02 31 33.8 | -0.1 |
| TIA | 31.4 | 309 | eP | 02 31 43.7 | -0.3 |
| BJI | 33.8 | 315 | eP | 02 32 05.0 | 0.0 |
| WMQ | 55.1 | 311 | P | 02 34 55.0 | 0.0 |

1987 4 14
 O=03 04 11.8 ± 0.14s
 LAT=18.85 N ± 1.39km
 LONG=146.98 E ± 2.46km
 DEPTH= 50 km ± 0.61km
 STATIONS USED = 58, STAND DEV= 1.48s

| | | | | | |
|-----|------|-----|----|------------|------|
| SSE | 26.3 | 303 | eP | 03 09 45.0 | 0.1 |
| | | | sP | 03 10 05.0 | 2.7 |
| MDJ | 29.5 | 334 | eP | 03 10 14.0 | 0.0 |
| DL2 | 29.7 | 318 | eP | 03 10 18.0 | 2.3 |
| SNY | 30.4 | 324 | eP | 03 10 20.8 | -0.7 |
| CN2 | 30.8 | 329 | eP | 03 10 25.0 | -0.1 |
| TIA | 31.4 | 309 | eP | 03 10 30.8 | -0.4 |
| BJI | 33.9 | 315 | eP | 03 10 52.0 | -0.2 |
| XAN | 37.0 | 302 | eP | 03 11 19.0 | -0.3 |
| HHC | 37.4 | 314 | eP | 03 11 22.3 | 0.2 |
| GYA | 37.8 | 289 | P | 03 11 26.8 | 0.7 |
| BTO | 38.3 | 312 | eP | 03 11 30.6 | 0.5 |
| LZH | 41.6 | 303 | P | 03 11 58.0 | 1.0 |
| GTA | 45.4 | 307 | P | 03 12 28.8 | 0.6 |
| WMQ | 55.1 | 311 | P | 03 13 42.4 | 0.4 |

1987 4 14
 O=03 11 20.4 ± 0.14s
 LAT=18.84 N ± 1.92km
 LONG=146.98 E ± 2.70km
 DEPTH= 39 km ± 0.58km
 STATIONS USED = 74, STAND DEV= 1.78s
 Ms=5.0 / 5,

| | | | | | |
|-----|------|-----|----|------------|------|
| SSE | 26.3 | 303 | eP | 03 16 51.5 | -3.0 |
| NJ2 | 28.5 | 303 | eP | 03 17 15.8 | 1.2 |
| MDJ | 29.5 | 334 | eP | 03 17 24.0 | 0.3 |
| DL2 | 29.7 | 318 | eP | 03 17 25.0 | -0.3 |
| SNY | 30.4 | 324 | +P | 03 17 29.9 | -1.2 |
| CN2 | 30.8 | 329 | P | 03 17 35.0 | 0.3 |
| TIA | 31.4 | 310 | P | 03 17 40.9 | 0.1 |
| WHN | 31.7 | 298 | eP | 03 17 40.5 | -2.8 |
| BJI | 33.9 | 315 | eP | 03 18 02.0 | 0.1 |

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| | | | cS | 03 23 24.0 | 1.4 |
| TIY | 35.5 | 309 | +P | 03 18 16.2 | 0.4 |
| | | | pP | 03 18 22.5 | -3.6 |
| | | | S | 03 23 48.5 | 1.8 |
| | | | LE | Ms=4.9 | 15.0 0.96 |
| XAN | 37.0 | 302 | P | 03 18 28.1 | -0.8 |
| HHC | 37.4 | 314 | eP | 03 18 32.0 | 0.3 |
| GYA | 37.8 | 289 | P | 03 18 36.4 | 0.7 |
| BTO | 38.3 | 312 | -P | 03 18 40.0 | 0.2 |
| CD2 | 40.8 | 296 | eP | 03 19 01.0 | 1.1 |
| KMI | 41.4 | 287 | eP | 03 19 06.0 | 1.1 |
| LZH | 41.6 | 303 | P | 03 19 06.5 | -0.2 |
| | | | PMZ | | 2.0 0.13 |
| GTA | 45.4 | 307 | -iP | 03 19 39.0 | 1.2 |
| | | | LE | Ms=5.2 | 14.0 1.14 |
| WMQ | 55.1 | 311 | -P | 03 20 52.0 | 0.3 |
| | | | PMZ | | 1.5 0.13 |
| | | | pP | 03 21 00.0 | -2.3 |
| | | | SME | | 2.5 0.13 |

1987 4 14
 O=03 51 09.8 ± 0.16s
 LAT=18.79 N ± 1.65km
 LONG=146.81 E ± 2.88km
 DEPTH= 34 km ± 0.38km
 STATIONS USED = 30, STAND DEV= 1.42s
 Ms=4.4 / 1,

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 29.5 | 335 | eP | 03 57 12.7 | -0.7 |
| SNY | 30.3 | 324 | eP | 03 57 19.4 | -1.1 |
| BJI | 33.8 | 315 | eP | 03 57 51.0 | -0.1 |
| TIY | 35.4 | 309 | eP | 03 58 05.4 | 0.5 |
| XAN | 36.9 | 302 | eP | 03 58 20.0 | 2.1 |
| HHC | 37.3 | 314 | eP | 03 58 20.6 | -0.4 |
| BTO | 38.3 | 313 | P | 03 58 29.0 | -0.1 |
| GTA | 45.3 | 307 | P | 03 59 26.0 | -1.0 |

1987 4 14
 O=03 53 57.2 ± 0.10s
 LAT=18.83 N ± 1.33km
 LONG=147.00 E ± 1.98km
 DEPTH= 33 km ± 0.08km
 STATIONS USED = 36, STAND DEV= 1.08s
 Ms=4.6 / 1,

| | | | | | |
|-----|------|-----|----|------------|------|
| SSE | 26.3 | 303 | eP | 03 59 32.0 | -0.2 |
| MDJ | 29.5 | 334 | eP | 04 00 01.8 | 0.5 |
| DL2 | 29.7 | 318 | eP | 04 00 03.5 | 0.6 |
| SNY | 30.4 | 324 | eP | 04 00 08.2 | -0.5 |
| TIA | 31.5 | 309 | -P | 04 00 18.1 | -0.4 |
| BJI | 33.9 | 315 | eP | 04 00 40.0 | 0.5 |
| TIY | 35.5 | 309 | eP | 04 00 53.8 | 0.3 |

| | | | | $m_B = 4.9$ | | 6.0 | 0.62 | LAT = 58.34 S ± 6.10km | | | | | | |
|-----|------|-----|------|-------------|------|-----|-------|---------------------------------------|-------|-----|------------------|------------|------|------|
| | | | | | | 5.0 | 0.40 | LONG = 25.14 W ± 7.10km | | | | | | |
| | | | | | | | | DEPTH = 34 km ± 0.66km | | | | | | |
| | | | | | | | | STATIONS USED = 72, STAND DEV = 2.40s | | | | | | |
| | | | | | | | | Ms = 5.5 / 10, | | | | | | |
| DL2 | 20.5 | 253 | P | 13 16 28.0 | -0.2 | | | KSH | 128.1 | 75 | ePKP | 17 39 44.0 | 1.1 | |
| | | | sP | 13 18 28.0 | 0.3 | | | | | | PP | 17 41 50.0 | 0.9 | |
| | | | eS | 13 19 48.0 | 0.0 | | | LSA | 128.5 | 95 | -PKP | 17 39 43.4 | -0.6 | |
| | | | | | | | | KMI | 130.7 | 109 | ePKP | 17 39 49.0 | 1.0 | |
| | | | | | | | | | | | ePP | 17 42 07.0 | 0.2 | |
| | | | | | | | | | | | PKS | 17 43 26.0 | | |
| | | | | | | | | GYA | 133.8 | 112 | PKP | 17 39 55.0 | 1.3 | |
| BJI | 23.5 | 261 | eP | 13 16 56.0 | 0.4 | | | GZH | 134.0 | 122 | ePKP | 17 39 57.0 | 2.9 | |
| | | | ScP | 13 23 21.0 | -0.6 | | | CD2 | 136.0 | 106 | ePKP | 17 39 58.4 | 0.7 | |
| SSE | 26.0 | 239 | P | 13 17 17.5 | -0.7 | | | WMQ | 137.3 | 79 | PKP | 17 40 00.7 | 0.5 | |
| | | | PMZ | | | 1.0 | 0.030 | | | | PKS | 17 43 35.0 | | |
| | | | eS | 13 21 15.0 | -2.2 | | | LZH | 140.1 | 101 | ePKP | 17 40 03.0 | -2.4 | |
| | | | eScP | 13 23 24.0 | -4.6 | | | GTA | 140.5 | 94 | ePKP | 17 40 03.0 | -3.0 | |
| HHC | 26.2 | 267 | -iP | 13 17 20.0 | 0.1 | | | | | | PKS | 17 43 38.0 | | |
| NJ2 | 26.7 | 243 | -P | 13 17 23.7 | -0.5 | | | | | | LZ | Ms = 5.5 | 28.0 | 0.74 |
| TIY | 27.2 | 260 | -iP | 13 17 29.6 | 0.7 | | | WHN | 140.9 | 117 | ePKP | 17 40 07.5 | 1.0 | |
| | | | PMZ | | | 1.0 | 0.040 | | | | LZ | Ms = 5.7 | 24.0 | 1.01 |
| | | | S | 13 21 39.0 | 3.8 | | | XAN | 141.1 | 108 | ePKP | 17 40 08.0 | 1.0 | |
| BTO | 27.3 | 268 | P | 13 17 30.0 | -0.1 | | | NJ2 | 144.2 | 121 | +PKP | 17 40 12.5 | 0.3 | |
| WHN | 30.5 | 247 | -iP | 13 17 56.8 | -0.6 | | | | | | pPKP | 17 40 24.4 | 2.3 | |
| XAN | 31.7 | 258 | -iP | 13 18 07.3 | -0.2 | | | | | | LZ | Ms = 5.4 | 20.0 | 0.40 |
| | | | S | 13 22 43.8 | -0.7 | | | SSE | 144.4 | 125 | +iPKP | 17 40 12.0 | -0.6 | |
| | | | ScP | 13 23 47.0 | 0.5 | | | | | | pPKP | 17 40 23.7 | 1.2 | |
| LZH | 33.8 | 265 | -iP | 13 18 27.5 | 1.5 | | | | | | PP | 17 43 36.0 | 4.9 | |
| | | | PMZ | | | 1.0 | 0.25 | | | | eSS | 18 02 10.0 | -1.9 | |
| | | | S | 13 23 18.0 | 0.2 | | | TIY | 145.7 | 108 | +PKP | 17 40 16.5 | 1.5 | |
| | | | SME | | | 2.0 | 0.19 | | | | LN | Ms = 5.7 | 18.0 | 0.72 |
| GTA | 34.8 | 273 | -iP | 13 18 34.3 | 0.5 | | | BTO | 146.7 | 102 | ePKP | 17 40 17.0 | 0.3 | |
| | | | PMZ | | | 0.8 | 0.030 | TIA | 146.8 | 115 | ePKP | 17 40 17.4 | 0.5 | |
| | | | PP | 13 20 05.6 | -3.9 | | | | | | PKP ₂ | 17 40 29.1 | | |
| | | | S | 13 23 32.1 | 0.2 | | | | | | LN | Ms = 5.4 | 28.0 | 0.62 |
| | | | ScP | 13 23 57.8 | 0.5 | | | | | | LZ | Ms = 5.4 | 28.0 | 0.63 |
| | | | ScS | 13 28 02.7 | 1.5 | | | HHC | 147.6 | 104 | ePKP | 17 40 19.8 | 1.5 | |
| CD2 | 37.0 | 258 | eP | 13 18 52.4 | -0.1 | | | BJI | 149.4 | 110 | ePKP | 17 40 22.0 | 1.1 | |
| | | | PMZ | | | 0.8 | 0.10 | | | | PKP ₂ | 17 40 37.5 | | |
| GYA | 38.2 | 250 | -P | 13 19 01.8 | -0.1 | | | | | | eSS | 18 03 12.0 | 4.5 | |
| | | | S | 13 24 20.0 | -2.8 | | | DL2 | 151.1 | 118 | PKP | 17 40 31.0 | 7.4 | |
| | | | ScS | 13 28 21.0 | 0.6 | | | | | | PKP ₂ | 17 40 42.5 | | |
| WMQ | 40.6 | 287 | P | 13 19 23.2 | 1.2 | | | SNY | 154.3 | 116 | ePKP | 17 40 31.5 | 3.3 | |
| | | | S | 13 25 00.0 | 1.1 | | | | | | PP | 17 44 28.0 | -0.4 | |
| | | | sS | 13 27 32.0 | 3.9 | | | | | | LN | Ms = 5.5 | 29.0 | 0.79 |
| KMI | 41.6 | 253 | -iP | 13 19 30.0 | 0.0 | | | | | | LZ | Ms = 5.5 | 24.0 | 0.64 |
| | | | PMZ | | | 1.5 | 0.060 | CN2 | 156.7 | 116 | PKP | 17 40 31.0 | -0.4 | |
| | | | PcP | 13 21 17.0 | -0.1 | | | | | | PKP ₂ | 17 40 52.0 | | |
| | | | S | 13 25 12.0 | -1.0 | | | | | | ePP | 17 44 38.0 | -3.2 | |
| QZN | 41.8 | 239 | +P | 13 19 32.5 | 1.0 | | | | | | | | | |
| LSA | 46.2 | 268 | P | 13 20 06.0 | -0.3 | | | | | | | | | |
| | | | S | 13 26 21.0 | 3.2 | | | | | | | | | |

1987 4 14
 O = 17 20 38.9 ± 0.22s

eSKKS 17 51 24.0
 LZ Ms=5.3 27.0 0.50
 MDJ 159.3 120 ePKP 17 40 33.6 -1.0

1987 4 14

O=19 10 15.7 ± 0.05s

LAT=18.99 N ± 0.68km

LONG=147.12 E ± 1.25km

DEPTH= 33 km ± 0.27km

STATIONS USED = 14, STAND DEV= 1.02s

TIA 31.5 309 eP 19 16 36.7 -0.2
 GTA 45.4 307 eP 19 18 33.0 -1.0
 WMQ 55.1 311 P 19 19 48.0 0.2

1987 4 14

O=21 25 48.9 ± 0.14s

LAT=11.83 N ± 4.16km

LONG=142.38 E ± 1.70km

DEPTH= 33 km ± 1.07km

STATIONS USED = 31, STAND DEV= 1.29s

Ms=4.1/ 1,

SSE 27.4 318 eP 21 31 37.0 3.1
 LZ Ms=4.1 20.0 0.34
 BJI 36.4 325 eP 21 32 52.0 -0.6
 GYA 36.6 299 P 21 32 58.4 4.0
 TIY 37.2 319 P 21 32 59.6 0.4
 XAN 37.7 311 P 21 33 02.8 -0.4
 BTO 40.4 321 eP 21 33 26.0 0.0
 CD2 40.4 304 eP 21 33 26.0 -0.1
 GTA 46.6 314 +P 21 34 16.0 -0.2
 WMQ 56.6 315 P 21 35 31.8 0.1

1987 4 14

O=22 33 56.5 ± 0.12s

LAT= 1.08 N ± 1.68km

LONG=128.77 E ± 2.96km

DEPTH= 35 km ± 0.48km

STATIONS USED = 65, STAND DEV= 1.57s

Ms=4.6/ 2,

QZN 25.7 315 eP 22 39 25.0 -0.8
 S 22 43 55.0 5.6
 SSE 30.7 347 eP 22 40 11.0 0.3
 NJ2 32.2 344 eP 22 40 26.5 2.6
 WHN 32.3 336 P 22 40 25.5 0.4
 eS 22 45 40.0 4.3
 LE Ms=4.4 28.0 0.67
 GYA 33.0 322 P 22 40 31.2 0.2
 KMI 34.7 316 +P 22 40 46.0 0.4
 XAN 37.7 333 P 22 41 10.0 -0.8
 CD2 38.0 324 eP 22 41 12.7 -0.5

DL2 38.2 351 eP 22 41 12.5 -2.6
 TIY 39.4 339 P 22 41 24.6 -0.8
 BJI 40.4 345 eP 22 41 32.5 -1.1
 SNY 40.8 354 eP 22 41 36.8 -0.1
 LZH 41.8 329 -iP 22 41 46.0 0.9
 HHC 42.5 341 eP 22 41 51.0 -0.1
 CN2 42.6 356 eP 22 41 53.0 1.2
 BTO 42.9 339 eP 22 41 53.6 -0.1
 MDJ 43.4 1 eP 22 42 01.0 3.4
 LSA 45.7 312 +P 22 42 16.1 -0.9
 GTA 46.4 329 P 22 42 21.6 -0.5
 WMQ 56.0 325 P 22 43 34.6 -0.3

1987 4 15

O=02 43 44.0 ± 0.09s

LAT=40.91 N ± 1.30km

LONG=141.29 E ± 1.48km

DEPTH=114 km ± 1.22km

STATIONS USED = 55, STAND DEV= 1.46s

MDJ 9.4 297 +P 02 45 59.0 1.5
 CN2 12.1 289 +P 02 46 34.0 0.4
 SNY 13.3 280 +iP 02 46 51.8 1.7
 DL2 15.2 269 P 02 47 16.0 1.8
 SSE 18.9 245 eP 02 47 59.5 0.6
 BJI 19.1 276 eP 02 47 58.5 -2.2
 TIA 19.5 264 +P 02 48 03.2 -1.1
 NJ2 20.0 251 eP 02 48 09.5 -1.1
 TIY 22.5 271 eP 02 48 33.8 -1.4
 BTO 23.6 280 eP 02 48 45.5 -0.5
 WHN 24.1 253 eP 02 48 49.0 -1.4
 XAN 26.5 265 P 02 49 12.0 -0.9
 LZH 29.5 273 eP 02 49 40.0 -0.6
 GTA 31.5 281 P 02 49 57.3 -0.7
 GYA 32.0 254 P 02 50 01.6 -0.4
 WMQ 39.1 293 eP 02 51 03.0 0.6

1987 4 15

O=04 53 49.5 ± 0.18s

LAT=20.60 N ± 2.24km

LONG=120.13 E ± 2.41km

DEPTH= 27 km ± 0.47km

STATIONS USED = 54, STAND DEV= 2.57s

Ms=4.2/ 15, M_L=3.7/ 6,

QZH 4.5 342 cPn 04 54 54.5 -2.6
 SMN M_L=3.6 0.8 0.10
 SME 0.4 0.080
 LE Ms=3.4 11.0 0.75
 GZH 6.8 293 eP 04 55 25.0 -4.8
 LN Ms=4.0 11.0 0.90
 LE 10.0 1.01

| Station | Time | Mag | Type | Time | Mag | Time | Mag | Type | Time | Mag | Type | Time | Mag | Type |
|--------------------------------------|------|-----|------|------------|--------|------|------|------|------|-----|------|------|-----|------|
| TIY | 41.1 | 342 | eP | 20 53 39.0 | -0.9 | | | | | | | | | |
| | | | pP | 20 53 45.5 | -3.4 | | | | | | | | | |
| | | | PcP | 20 55 38.0 | -1.1 | | | | | | | | | |
| | | | eS | 20 59 55.0 | 4.3 | | | | | | | | | |
| | | | LE | | Ms=4.7 | 13.0 | 0.47 | | | | | | | |
| BJI | 42.3 | 347 | P | 20 53 50.0 | 0.6 | | | | | | | | | |
| | | | LN | | Ms=4.9 | 15.0 | 0.73 | | | | | | | |
| SNY | 42.9 | 356 | eP | 20 53 53.9 | -0.7 | | | | | | | | | |
| | | | eS | 21 00 24.0 | 6.7 | | | | | | | | | |
| | | | LN | | Ms=5.2 | 24.0 | 0.96 | | | | | | | |
| | | | LE | | | 24.0 | 2.14 | | | | | | | |
| LZH | 43.1 | 332 | eP | 20 53 56.5 | 0.1 | | | | | | | | | |
| | | | PMZ | | | 2.0 | 0.23 | | | | | | | |
| | | | eS | 21 00 20.0 | -0.4 | | | | | | | | | |
| | | | LN | | Ms=5.2 | 15.0 | 0.69 | | | | | | | |
| | | | LE | | | 16.0 | 1.20 | | | | | | | |
| HHC | 44.2 | 343 | eP | 20 54 05.2 | -0.4 | | | | | | | | | |
| BTO | 44.5 | 341 | eP | 20 54 11.6 | 4.0 | | | | | | | | | |
| | | | ePP | 20 55 56.0 | 3.5 | | | | | | | | | |
| | | | LN | | Ms=4.7 | 13.0 | 0.30 | | | | | | | |
| | | | LE | | | 13.0 | 0.30 | | | | | | | |
| CN2 | 44.8 | 358 | eP | 20 54 08.0 | -1.7 | | | | | | | | | |
| | | | PP | 20 55 59.0 | 3.7 | | | | | | | | | |
| | | | eS | 21 00 46.0 | 1.6 | | | | | | | | | |
| | | | SS | 21 03 58.0 | 1.1 | | | | | | | | | |
| MDJ | 45.6 | 2 | eP | 20 54 16.5 | 0.3 | | | | | | | | | |
| | | | eS | 21 01 00.0 | 4.0 | | | | | | | | | |
| | | | SS | 21 04 15.0 | 3.8 | | | | | | | | | |
| | | | LE | | Ms=5.1 | 25.0 | 1.80 | | | | | | | |
| LSA | 46.3 | 314 | +P | 20 54 21.8 | -0.6 | | | | | | | | | |
| GTA | 47.7 | 331 | P | 20 54 30.5 | -2.3 | | | | | | | | | |
| | | | pP | 20 54 39.0 | -2.9 | | | | | | | | | |
| | | | eS | 21 01 21.0 | -5.1 | | | | | | | | | |
| | | | LE | | Ms=4.8 | 12.0 | 0.35 | | | | | | | |
| WMQ | 57.1 | 327 | P | 20 55 42.5 | -1.1 | | | | | | | | | |
| | | | pP | 20 55 50.5 | -2.3 | | | | | | | | | |
| | | | LN | | Ms=5.2 | 24.0 | 1.60 | | | | | | | |
| KSH | 62.0 | 317 | eP | 20 56 18.0 | 0.8 | | | | | | | | | |
| | | | eS | 21 04 42.0 | 3.5 | | | | | | | | | |
| | | | LN | | Ms=5.4 | 6.0 | 0.50 | | | | | | | |
| 1987 4 15 | | | | | | | | | | | | | | |
| O=21 51 54.0 ± 0.71s | | | | | | | | | | | | | | |
| LAT=35.98 N ± 5.92km | | | | | | | | | | | | | | |
| LONG= 77.47 E ± 2.74km | | | | | | | | | | | | | | |
| DEPTH= 20 km | | | | | | | | | | | | | | |
| STATIONS USED = 7, STAND DEV= 3.76s | | | | | | | | | | | | | | |
| M _L =4.2/ 4, | | | | | | | | | | | | | | |
| KSH | 3.7 | 342 | ePn | 21 52 53.0 | 2.7 | | | | | | | | | |
| | | | Sg | 21 53 43.0 | -5.9 | | | | | | | | | |
| SMN M _L =4.2 | | | | | | | | | | | | | | |
| SME | | | | | | | | | | | | | | |
| WMQ | 11.1 | 42 | P | 21 54 32.8 | -2.2 | | | | | | | | | |
| 1987 4 15 | | | | | | | | | | | | | | |
| O=21 56 40.2 ± 0.10s | | | | | | | | | | | | | | |
| LAT=19.00 N ± 1.48km | | | | | | | | | | | | | | |
| LONG=146.95 E ± 2.33km | | | | | | | | | | | | | | |
| DEPTH= 36 km ± 0.41km | | | | | | | | | | | | | | |
| STATIONS USED = 43, STAND DEV= 1.38s | | | | | | | | | | | | | | |
| SSE | 26.2 | 302 | eP | 22 02 13.0 | -0.7 | | | | | | | | | |
| | | | eS | 22 06 41.0 | -0.2 | | | | | | | | | |
| MDJ | 29.4 | 334 | eP | 22 02 42.0 | -0.4 | | | | | | | | | |
| TIA | 31.3 | 309 | eP | 22 03 00.0 | 0.2 | | | | | | | | | |
| BJI | 33.7 | 315 | eP | 22 03 21.5 | 0.6 | | | | | | | | | |
| QZN | 35.0 | 276 | eP | 22 03 32.8 | 0.8 | | | | | | | | | |
| TIY | 35.4 | 309 | eP | 22 03 35.4 | 0.5 | | | | | | | | | |
| HHC | 37.2 | 313 | -P | 22 03 51.4 | 0.6 | | | | | | | | | |
| BTO | 38.2 | 312 | eP | 22 03 59.0 | 0.1 | | | | | | | | | |
| LZH | 41.5 | 303 | eP | 22 04 26.0 | 0.1 | | | | | | | | | |
| GTA | 45.3 | 307 | P | 22 04 57.0 | -0.1 | | | | | | | | | |
| LSA | 51.5 | 293 | P | 22 05 45.0 | -0.5 | | | | | | | | | |
| WMQ | 55.0 | 311 | P | 22 06 11.0 | 0.0 | | | | | | | | | |
| 1987 4 15 | | | | | | | | | | | | | | |
| O=23 19 39.7 ± 0.08s | | | | | | | | | | | | | | |
| LAT=18.88 N ± 1.47km | | | | | | | | | | | | | | |
| LONG=147.19 E ± 1.68km | | | | | | | | | | | | | | |
| DEPTH= 35 km ± 0.23km | | | | | | | | | | | | | | |
| STATIONS USED = 19, STAND DEV= 1.22s | | | | | | | | | | | | | | |
| TIA | 31.6 | 309 | eP | 23 26 01.0 | -0.7 | | | | | | | | | |
| BJI | 34.0 | 315 | eP | 23 26 22.0 | -0.6 | | | | | | | | | |
| TIY | 35.6 | 309 | eP | 23 26 36.8 | 0.1 | | | | | | | | | |
| GTA | 45.6 | 307 | eP | 23 27 59.0 | 0.3 | | | | | | | | | |
| WMQ | 55.3 | 311 | P | 23 29 12.6 | 0.2 | | | | | | | | | |
| 1987 4 16 | | | | | | | | | | | | | | |
| O=01 10 22.0 ± 0.06s | | | | | | | | | | | | | | |
| LAT=54.98 N ± 1.48km | | | | | | | | | | | | | | |
| LONG=157.99 E ± 1.01km | | | | | | | | | | | | | | |
| DEPTH=339 km ± 0.06km | | | | | | | | | | | | | | |
| STATIONS USED = 75, STAND DEV= 0.74s | | | | | | | | | | | | | | |
| m _B =5.0/ 1 | | | | | | | | | | | | | | |
| MDJ | 20.9 | 252 | -P | 01 14 39.5 | -0.5 | | | | | | | | | |
| | | | sP | 01 16 15.0 | -1.4 | | | | | | | | | |
| | | | S | 01 18 10.0 | 2.4 | | | | | | | | | |
| | | | SME | | | 15.0 | 2.29 | | | | | | | |
| | | | PcP | 01 18 35.3 | 0.7 | | | | | | | | | |
| CN2 | 23.7 | 255 | -P | 01 15 05.0 | -1.5 | | | | | | | | | |
| | | | S | 01 18 53.0 | -1.8 | | | | | | | | | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|-----|-------|
| SNY | 26.1 | 254 | -P | 01 15 26.9 | -0.7 | | |
| DL2 | 29.2 | 252 | eP | 01 15 54.5 | -0.7 | | |
| BJI | 31.4 | 259 | eP | 01 16 14.5 | -0.2 | | |
| | | | pP | 01 17 19.0 | 0.0 | | |
| | | | PcP | 01 19 00.0 | 1.0 | | |
| HHC | 33.5 | 265 | +P | 01 16 33.4 | 0.6 | | |
| TIA | 33.6 | 253 | -P | 01 16 32.8 | -0.4 | | |
| BTO | 34.6 | 266 | -iP | 01 16 42.0 | 0.3 | | |
| | | | epP | 01 17 47.0 | 0.1 | | |
| | | | eS | 01 21 46.5 | 0.3 | | |
| TIY | 35.1 | 260 | -P | 01 16 46.7 | 0.3 | | |
| | | | PMZ | | | 1.0 | 0.050 |
| | | | eS | 01 21 53.0 | -1.8 | | |
| SSE | 35.3 | 243 | eP | 01 16 48.2 | 0.3 | | |
| | | | PcP | 01 19 11.5 | 1.4 | | |
| | | | eS | 01 21 58.0 | 0.4 | | |
| NJ2 | 35.8 | 246 | +P | 01 16 51.8 | 0.0 | | |
| WHN | 39.4 | 250 | P | 01 17 21.0 | -0.5 | | |
| | | | PcP | 01 19 24.0 | 1.5 | | |
| XAN | 39.7 | 259 | -P | 01 17 23.6 | -1.1 | | |
| LZH | 41.2 | 266 | -iP | 01 17 37.0 | 0.6 | | |
| | | | PMZ | | | 1.0 | 0.13 |
| | | | PcP | 01 19 30.0 | 1.6 | | |
| GTA | 41.2 | 273 | -iP | 01 17 37.3 | 0.5 | | |
| | | | PcP | 01 19 29.7 | 1.1 | | |
| CD2 | 45.0 | 261 | -iP | 01 18 06.8 | 0.0 | | |
| | | | PMZ | | | 0.9 | 0.15 |
| WMQ | 45.2 | 286 | iP | 01 18 09.6 | 1.0 | | |
| | | | PMZ | | | 1.5 | 0.12 |
| | | | PcP | 01 19 46.5 | 4.4 | | |
| | | | PcS | 01 23 37.5 | 3.4 | | |
| | | | S | 01 24 26.5 | 4.8 | | |
| GYA | 46.8 | 254 | P | 01 18 20.8 | 0.1 | | |
| | | | pP | 01 19 24.0 | -5.2 | | |
| | | | PcP | 01 19 48.6 | 1.0 | | |
| | | | S | 01 24 45.2 | 1.7 | | |
| KMI | 50.0 | 257 | -P | 01 18 45.0 | -0.4 | | |
| QZN | 51.0 | 245 | eP | 01 18 54.2 | 1.3 | | |

1987 4 16

O = 04 06 21.5 ± 0.03s
 LAT = 36.59 N ± 0.37km
 LONG = 105.64 E ± 0.32km
 DEPTH = 13 km ± 0.10km
 STATIONS USED = 6, STAND DEV = 1.64s

$M_L = 2.8 / 5,$

| | | | | | | | |
|-----|-----|-----|-----|------------|------|-------------|----------|
| LZH | 1.5 | 252 | Pg | 04 06 48.0 | -0.9 | | |
| | | | Sg | 04 07 06.0 | -3.8 | | |
| | | | SMN | | | $M_L = 2.9$ | 0.5 0.18 |
| | | | SME | | | | 0.5 0.13 |

| | | | | | | | |
|-----|-----|-----|-----|------------|------|-------------|-----------|
| XAN | 3.7 | 133 | ePg | 04 07 26.6 | -0.3 | | |
| | | | Sn | 04 08 11.0 | 6.8 | | |
| | | | Sg | 04 08 16.5 | -0.8 | | |
| | | | SMN | | | $M_L = 2.4$ | 0.6 0.010 |
| GTA | 5.4 | 303 | ePg | 04 07 57.3 | 0.2 | | |
| | | | Sg | 04 09 08.2 | -2.4 | | |
| | | | SMN | | | $M_L = 2.8$ | 0.7 0.010 |
| | | | SME | | | | 0.6 0.010 |

1987 4 16

O = 06 38 37.6 ± 0.14s
 LAT = 20.02 N ± 2.34km
 LONG = 145.83 E ± 3.22km
 DEPTH = 73 km ± 0.56km
 STATIONS USED = 63, STAND DEV = 1.72s

| | | | | | | | |
|-----|------|-----|-----|------------|------|--|-----------|
| SSE | 24.8 | 301 | P | 06 43 53.7 | -0.3 | | |
| | | | PMZ | | | | 0.8 0.020 |
| | | | pP | 06 44 09.8 | -0.7 | | |
| | | | eS | 06 48 10.0 | 1.6 | | |
| MDJ | 28.0 | 335 | eP | 06 44 24.5 | 0.5 | | |
| DL2 | 28.1 | 317 | eP | 06 44 26.6 | 1.6 | | |
| SNY | 28.8 | 324 | -P | 06 44 30.0 | -0.9 | | |
| CN2 | 29.2 | 329 | eP | 06 44 34.0 | -0.7 | | |
| TIA | 29.9 | 309 | -P | 06 44 40.7 | 0.0 | | |
| BJI | 32.3 | 315 | eP | 06 44 56.0 | -5.9 | | |
| QZN | 33.9 | 275 | eP | 06 45 16.6 | 0.8 | | |
| TIY | 33.9 | 309 | -iP | 06 45 17.0 | 0.9 | | |
| XAN | 35.5 | 301 | P | 06 45 29.5 | -0.2 | | |
| HHC | 35.8 | 313 | +P | 06 45 32.0 | -0.1 | | |
| GYA | 36.4 | 288 | P | 06 45 38.6 | 0.9 | | |
| BTO | 36.8 | 312 | eP | 06 45 40.0 | -0.2 | | |
| | | | cpP | 06 45 59.0 | 1.4 | | |
| | | | ePP | 06 47 09.5 | 3.6 | | |
| | | | eS | 06 51 20.0 | 1.5 | | |
| CD2 | 39.3 | 295 | eP | 06 46 02.0 | 0.6 | | |
| LZH | 40.0 | 303 | eP | 06 46 07.5 | -0.1 | | |
| GTA | 43.9 | 306 | +P | 06 46 39.0 | 0.1 | | |
| | | | PcP | 06 48 24.1 | 0.3 | | |
| | | | ScP | 06 52 05.7 | -1.7 | | |
| LSA | 50.1 | 292 | +iP | 06 47 29.5 | 0.9 | | |
| WMQ | 53.5 | 310 | P | 06 47 55.0 | 1.3 | | |
| KSH | 62.2 | 305 | P | 06 48 55.0 | 0.4 | | |

1987 4 16

O = 07 01 51.1 ± 0.17s
 LAT = 1.87 N ± 1.45km
 LONG = 127.15 E ± 2.55km
 DEPTH = 123 km ± 1.74km
 STATIONS USED = 43, STAND DEV = 2.26s

| | | | | | | | |
|-----|------|-----|---|------------|------|--|--|
| QZN | 24.0 | 316 | P | 07 06 55.6 | -0.5 | | |
|-----|------|-----|---|------------|------|--|--|

| | | | | | |
|-----|------|-----|----|------------|------|
| GZH | 25.0 | 329 | eP | 07 07 04.5 | -0.6 |
| TIA | 35.4 | 346 | eP | 07 08 36.0 | -1.4 |
| XAN | 36.3 | 334 | P | 07 08 43.3 | -1.3 |
| CD2 | 36.4 | 325 | eP | 07 08 44.4 | -1.3 |
| TIY | 38.1 | 341 | +P | 07 09 00.3 | -0.1 |
| BJI | 39.3 | 347 | eP | 07 09 09.0 | -0.7 |
| HHC | 41.3 | 342 | eP | 07 09 25.2 | -1.2 |
| LSA | 44.0 | 313 | -P | 07 09 47.8 | -0.9 |
| GTA | 44.9 | 330 | -P | 07 09 54.6 | -1.1 |
| WMQ | 54.5 | 326 | P | 07 11 08.0 | -0.7 |
| KSH | 59.6 | 316 | -P | 07 11 46.0 | 0.9 |

1987 4 16

O=08 46 58.8 ± 0.06s
 LAT=18.88 N ± 0.68km
 LONG=147.21 E ± 1.51km
 DEPTH= 35 km ± 0.30km
 STATIONS USED = 21, STAND DEV = 1.02s

| | | | | | |
|-----|------|-----|----|------------|------|
| TIA | 31.6 | 309 | eP | 08 53 20.1 | -0.8 |
| BJI | 34.0 | 315 | eP | 08 53 41.5 | -0.3 |
| BTO | 38.5 | 312 | eP | 08 54 18.0 | -1.8 |
| WMQ | 55.3 | 311 | eP | 08 56 31.0 | -0.6 |

1987 4 16

O=12 14 53.8 ± 0.11s
 LAT=10.67 N ± 1.50km
 LONG=125.90 E ± 1.90km
 DEPTH= 86 km ± 0.65km
 STATIONS USED = 63, STAND DEV = 1.50s

| | | | | | |
|-----|------|-----|-----|---------------------|-----------|
| QZN | 17.6 | 300 | eP | 12 18 57.0 | 2.1 |
| SSE | 20.8 | 349 | P | 12 19 30.5 | 0.3 |
| | | | PMZ | | 0.8 0.020 |
| | | | SME | | 14.0 0.87 |
| NJ2 | 22.3 | 344 | +P | 12 19 47.1 | 2.4 |
| | | | SME | m _B =4.8 | 12.0 0.30 |
| WHN | 22.5 | 333 | P | 12 19 48.5 | 1.3 |
| | | | SMN | m _B =5.5 | 9.0 1.07 |
| GYA | 24.0 | 313 | P | 12 20 03.0 | 1.1 |
| TIA | 26.6 | 344 | eP | 12 20 25.6 | -1.0 |
| XAN | 28.0 | 329 | P | 12 20 37.5 | -1.3 |
| DL2 | 28.4 | 353 | eP | 12 20 43.0 | 0.7 |
| TIY | 29.5 | 338 | eP | 12 20 51.8 | -0.9 |
| BJI | 30.5 | 345 | eP | 12 21 00.0 | -1.2 |
| SNY | 31.1 | 357 | -P | 12 21 06.4 | -0.1 |
| HHC | 32.6 | 340 | +P | 12 21 20.6 | 0.7 |
| BTO | 32.9 | 337 | eP | 12 21 22.0 | -0.8 |
| CN2 | 33.0 | 359 | eP | 12 21 25.0 | 1.8 |
| MDJ | 34.0 | 5 | -P | 12 21 31.4 | -0.1 |
| GTA | 36.8 | 325 | P | 12 21 55.9 | -0.1 |

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|-----|------|-----|----|------------|------|
| LSA | 37.5 | 305 | eP | 12 22 01.4 | -0.3 |
| WMQ | 46.7 | 322 | P | 12 23 16.6 | 0.5 |

1987 4 16

O=13 23 38.0 ± 0.10s
 LAT=22.27 S ± 1.77km
 LONG=171.86 E ± 2.88km
 DEPTH= 26 km ± 0.50km
 STATIONS USED = 79, STAND DEV = 1.27s
 M_s=5.6 / 27, m_B=5.7 / 6

| | | | | | |
|-----|------|-----|------|---------------------|-----------|
| QZH | 69.8 | 309 | eP | 13 34 49.0 | 0.0 |
| | | | eS | 13 44 00.0 | 4.0 |
| | | | SMN | m _B =5.6 | 8.0 0.47 |
| | | | LN | M _s =5.2 | 14.0 0.65 |
| SSE | 71.9 | 316 | P | 13 35 01.0 | -0.8 |
| | | | sP | 13 35 12.0 | -1.5 |
| | | | eS | 13 44 20.0 | -0.6 |
| | | | sS | 13 44 31.0 | -3.3 |
| | | | eSKS | 13 44 54.0 | -4.5 |
| | | | eSS | 13 48 56.0 | -1.7 |
| | | | LN | M _s =5.7 | 18.0 1.17 |
| | | | LE | | 20.0 2.31 |
| GZH | 72.6 | 305 | +P | 13 35 06.0 | 0.1 |
| QZN | 73.2 | 299 | eP | 13 35 07.0 | -2.3 |
| | | | ePP | 13 37 53.0 | -0.6 |
| | | | eS | 13 44 32.0 | -3.0 |
| | | | eSS | 13 49 18.0 | 0.4 |
| | | | LN | M _s =5.8 | 23.0 3.40 |
| NJ2 | 74.1 | 315 | +P | 13 35 13.5 | -0.9 |
| | | | eS | 13 44 49.0 | 4.2 |
| | | | LE | M _s =5.4 | 16.0 0.90 |
| WHN | 76.2 | 311 | P | 13 35 26.0 | -0.5 |
| | | | pP | 13 35 32.0 | -2.7 |
| | | | S | 13 45 08.0 | 1.3 |
| | | | SS | 13 50 05.0 | 1.5 |
| | | | LE | M _s =5.7 | 24.0 3.13 |
| DL2 | 76.9 | 322 | P | 13 35 30.0 | -0.6 |
| | | | epP | 13 35 36.0 | -2.7 |
| | | | eS | 13 45 18.0 | 2.0 |
| | | | SMN | m _B =5.7 | 9.0 0.55 |
| | | | LN | M _s =5.8 | 22.0 3.63 |
| MDJ | 76.9 | 330 | eP | 13 35 30.6 | -0.3 |
| | | | eS | 13 45 23.0 | 6.4 |
| TIA | 77.8 | 318 | +P | 13 35 34.9 | -0.8 |
| | | | eS | 13 45 28.0 | 1.9 |
| | | | SMN | m _B =5.6 | 12.0 0.61 |
| | | | LN | M _s =5.6 | 17.0 1.59 |
| SNY | 77.9 | 325 | -P | 13 35 35.0 | -0.9 |
| | | | eS | 13 45 32.0 | 5.6 |
| | | | sS | 13 45 47.0 | 7.0 |



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|-----|-------|-----|------|---------------------|------|------|--|
| | | | SS | 13 50 34.0 | 5.6 | | |
| | | | LN | Ms=5.7 | 24.0 | 1.93 | |
| | | | LE | | 24.0 | 2.39 | |
| CN2 | 78.3 | 328 | P | 13 35 37.0 | -1.4 | | |
| | | | pP | 13 35 43.5 | -3.1 | | |
| | | | PP | 13 38 33.0 | -3.5 | | |
| | | | S | 13 45 26.0 | -3.7 | | |
| | | | SMN | m _B =5.9 | 12.0 | 1.20 | |
| GYA | 79.6 | 304 | P | 13 35 45.4 | 0.1 | | |
| | | | pP | 13 35 53.4 | 0.1 | | |
| | | | S | 13 45 44.0 | 1.2 | | |
| | | | LN | Ms=5.4 | 22.0 | 0.70 | |
| | | | LE | | 22.0 | 1.00 | |
| BJI | 80.8 | 320 | eP | 13 35 51.5 | -0.5 | | |
| | | | esP | 13 36 04.0 | 0.4 | | |
| | | | eS | 13 46 01.0 | 3.3 | | |
| | | | SMN | m _B =6.0 | 10.0 | 1.11 | |
| | | | SME | | 9.0 | 0.29 | |
| | | | eSS | 13 51 19.0 | 6.1 | | |
| | | | LN | Ms=5.7 | 19.0 | 1.82 | |
| | | | LE | | 19.0 | 1.29 | |
| TIY | 81.7 | 316 | +P | 13 35 56.2 | -0.5 | | |
| | | | sS | 13 46 15.5 | -5.0 | | |
| | | | LE | Ms=5.8 | 21.0 | 2.81 | |
| KMI | 81.9 | 301 | -P | 13 35 59.5 | 1.4 | | |
| | | | LE | Ms=5.5 | 20.0 | 1.30 | |
| XAN | 82.0 | 312 | P | 13 35 58.0 | 0.1 | | |
| | | | S | 13 46 10.0 | 2.3 | | |
| CD2 | 84.0 | 307 | eP | 13 36 09.7 | 1.2 | | |
| HHC | 84.1 | 319 | -P | 13 36 09.4 | 0.4 | | |
| BTO | 84.9 | 318 | P | 13 36 13.0 | -0.1 | | |
| | | | sP | 13 36 25.0 | 0.4 | | |
| | | | ePP | 13 39 34.0 | 3.7 | | |
| | | | eSKS | 13 46 32.0 | 1.0 | | |
| | | | S | 13 46 39.0 | 1.6 | | |
| | | | LN | Ms=5.6 | 17.0 | 0.70 | |
| | | | LE | | 17.0 | 1.00 | |
| LZH | 86.6 | 311 | +P | 13 36 21.0 | -0.3 | | |
| | | | PMZ | | 2.0 | 0.14 | |
| GTA | 91.0 | 313 | -P | 13 36 42.3 | 0.1 | | |
| | | | PP | 13 40 19.0 | 0.2 | | |
| | | | SKS | 13 47 12.0 | 2.8 | | |
| | | | S | 13 47 36.5 | 2.4 | | |
| | | | eSS | 13 53 38.0 | -3.2 | | |
| | | | LE | Ms=5.6 | 17.0 | 1.18 | |
| WMQ | 101.1 | 313 | P | 13 37 32.6 | 4.5 | | |
| | | | PP | 13 41 38.4 | 0.1 | | |
| | | | eSKS | 13 48 03.0 | 0.2 | | |

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|-----|------|-----|---------------------|---------------------------|------|------|
| | | | O = 19 23 24.0 | ± 0.07s | | |
| | | | LAT = 37.06 N | ± 1.63km | | |
| | | | LONG = 141.39 E | ± 1.42km | | |
| | | | DEPTH = 49 km | ± 0.91km | | |
| | | | STATIONS USED = 97, | STAND DEV = 1.45s | | |
| | | | Ms = 5.8 / 50, | m _B = 6.0 / 32 | | |
| MDJ | 11.7 | 314 | +P | 19 26 12.0 | 1.1 | |
| | | | pP | 19 26 19.0 | -0.1 | |
| | | | sP | 19 26 26.0 | 0.0 | |
| | | | PP | 19 26 22.0 | 1.5 | |
| CN2 | 13.9 | 304 | +iP | 19 26 40.5 | 0.6 | |
| | | | PMZ | m _B =6.7 | 5.0 | 5.80 |
| | | | S | 19 29 13.6 | 1.5 | |
| | | | SMN | m _B =6.0 | 7.0 | 6.50 |
| | | | LE | Ms=5.7 | 17.0 | 36.4 |
| SNY | 14.6 | 295 | +iP | 19 26 50.0 | 1.2 | |
| | | | PMZ | | 18.0 | 9.77 |
| | | | pP | 19 27 00.0 | 2.2 | |
| | | | SMN | | 17.0 | 7.00 |
| | | | SME | | 28.0 | 6.88 |
| | | | LN | Ms=5.8 | 12.0 | 5.63 |
| | | | LE | | 13.0 | 31.0 |
| DL2 | 15.7 | 283 | +iP | 19 27 05.0 | 1.5 | |
| | | | PMZ | m _B =6.0 | 6.0 | 3.78 |
| | | | pP | 19 27 15.0 | 2.4 | |
| | | | S | 19 30 00.0 | 5.2 | |
| | | | LE | Ms=5.4 | 16.0 | 14.3 |
| SSE | 17.8 | 256 | +P | 19 27 29.5 | 0.1 | |
| | | | PMZ | | 1.4 | 0.12 |
| | | | pP | 19 27 40.0 | 1.0 | |
| | | | sP | 19 27 46.0 | 0.9 | |
| | | | eS | 19 30 46.0 | 3.5 | |
| | | | sS | 19 30 58.0 | -0.3 | |
| | | | SS | 19 31 10.0 | 4.9 | |
| | | | LN | Ms=5.6 | 14.0 | 4.14 |
| | | | LE | | 13.0 | 15.2 |
| NJ2 | 19.2 | 262 | +P | 19 27 45.5 | -1.3 | |
| | | | pP | 19 27 54.2 | -2.6 | |
| | | | LE | Ms=5.7 | 14.0 | 15.2 |
| TIA | 19.5 | 275 | +P | 19 27 48.1 | -1.7 | |
| | | | PMZ | m _B =5.5 | 10.0 | 2.53 |
| | | | S | 19 31 25.0 | 4.4 | |
| | | | LN | Ms=5.8 | 13.0 | 13.0 |
| | | | LE | | 15.0 | 16.5 |
| BJI | 19.9 | 286 | eP | 19 27 52.5 | -2.1 | |
| | | | PMZ | m _B =5.5 | 5.0 | 1.14 |
| | | | eS | 19 31 32.0 | 1.1 | |
| | | | SMN | | 19.0 | 2.28 |
| | | | SME | | 20.0 | 4.60 |
| | | | eScS | 19 39 22.5 | 1.9 | |

| | | | | | | | | | | | | | | |
|-----|------|-----|-----|----------------------|------|-------|--|-----|------|----------------------|------|------------|------|--|
| | | | LN | Ms = 5.6 | 13.0 | 10.9 | | | PMZ | | | | | |
| | | | LE | | 14.0 | 6.10 | | | PP | 19 30 33.0 | 3.8 | | | |
| QZH | 22.9 | 245 | +iP | 19 28 22.5 | -2.3 | | | | S | 19 34 23.0 | -0.4 | | | |
| | | | PMZ | | 3.0 | 0.89 | | | SME | m _B = 5.9 | 7.0 | 2.24 | | |
| | | | pP | 19 28 38.0 | 1.7 | | | | LN | Ms = 6.2 | 17.5 | 12.9 | | |
| | | | S | 19 32 25.0 | -0.9 | | | | LE | | 15.0 | 21.8 | | |
| | | | sS | 19 32 49.5 | 3.2 | | | GYA | 31.2 | 260 | +P | 19 29 41.0 | -0.4 | |
| | | | SS | 19 33 13.0 | 1.3 | | | | PMZ | | 1.4 | 0.60 | | |
| | | | LN | Ms = 5.4 | 15.0 | 7.24 | | | pP | 19 29 53.0 | -0.2 | | | |
| TIY | 23.0 | 280 | +iP | 19 28 24.0 | -1.6 | | | | S | 19 34 41.0 | -0.6 | | | |
| | | | PMZ | | 1.0 | 0.080 | | | SMN | m _B = 6.2 | 5.0 | 1.70 | | |
| | | | pP | 19 28 36.0 | -1.1 | | | | SME | | 5.0 | 2.30 | | |
| | | | SME | m _B = 6.2 | 10.0 | 6.21 | | | sS | 19 35 08.0 | 4.6 | | | |
| | | | sS | 19 32 53.5 | 5.9 | | | | PcS | 19 36 20.0 | 2.8 | | | |
| | | | LN | Ms = 6.1 | 13.5 | 12.8 | | | LN | Ms = 5.8 | 14.0 | 4.70 | | |
| | | | LE | | 14.0 | 24.0 | | | LE | | 14.0 | 8.50 | | |
| WHN | 23.3 | 262 | +iP | 19 28 28.0 | -1.0 | | | CD2 | 31.7 | 270 | P | 19 29 44.6 | -0.7 | |
| | | | PMZ | m _B = 6.0 | 6.0 | 4.00 | | | pP | 19 29 56.0 | -1.1 | | | |
| | | | S | 19 32 36.0 | 2.4 | | | | S | 19 34 50.5 | 1.8 | | | |
| | | | SMN | m _B = 6.1 | 8.0 | 4.14 | | | LE | Ms = 5.1 | 15.0 | 2.11 | | |
| | | | sS | 19 32 54.0 | -0.1 | | | GTA | 32.5 | 287 | +P | 19 29 52.4 | -0.7 | |
| | | | LE | Ms = 5.8 | 16.0 | 16.9 | | | PMZ | m _B = 6.0 | 6.0 | 1.55 | | |
| HHC | 23.4 | 288 | -P | 19 28 29.2 | -0.9 | | | | pP | 19 30 04.0 | -0.9 | | | |
| | | | PP | 19 28 58.0 | -3.9 | | | | PP | 19 31 05.0 | 3.4 | | | |
| | | | S | 19 32 39.0 | 3.7 | | | | S | 19 35 08.0 | 5.5 | | | |
| | | | LN | Ms = 5.7 | 10.0 | 2.63 | | | SMN | m _B = 5.8 | 8.0 | 0.98 | | |
| | | | LE | | 12.5 | 8.99 | | | SME | | 7.0 | 1.29 | | |
| BTO | 24.6 | 288 | +P | 19 28 39.5 | -2.0 | | | | sS | 19 35 31.0 | 6.8 | | | |
| | | | sP | 19 28 56.0 | -2.5 | | | | SS | 19 37 00.0 | -1.1 | | | |
| | | | PP | 19 29 16.0 | -1.7 | | | | LE | Ms = 5.8 | 16.0 | 9.77 | | |
| | | | S | 19 32 52.0 | -3.6 | | | QZN | 32.9 | 246 | +P | 19 29 57.5 | 1.2 | |
| | | | sS | 19 33 12.0 | -4.2 | | | | PMZ | m _B = 6.0 | 6.0 | 1.60 | | |
| | | | LN | Ms = 5.9 | 13.0 | 13.7 | | | sP | 19 30 17.0 | 3.4 | | | |
| | | | LE | | 15.0 | 11.2 | | | PP | 19 31 10.5 | 4.0 | | | |
| XAN | 26.5 | 273 | eP | 19 28 58.0 | -1.3 | | | | S | 19 35 11.0 | 2.5 | | | |
| | | | pP | 19 29 10.0 | -1.0 | | | | SMN | m _B = 5.8 | 10.0 | 1.20 | | |
| | | | sP | 19 29 15.0 | -1.4 | | | | SME | | 10.0 | 2.00 | | |
| | | | PP | 19 29 45.0 | 1.9 | | | | sS | 19 35 36.0 | 5.7 | | | |
| | | | S | 19 33 32.0 | 5.1 | | | | ScS | 19 40 13.0 | -3.2 | | | |
| | | | LN | Ms = 5.4 | 16.0 | 1.43 | | | LN | Ms = 5.8 | 15.0 | 4.50 | | |
| | | | LE | | 12.0 | 4.29 | | | LE | | 18.0 | 9.80 | | |
| GZH | 27.9 | 248 | +iP | 19 29 12.0 | 0.6 | | | KMI | 34.9 | 261 | +iP | 19 30 14.0 | 0.1 | |
| | | | PMZ | m _B = 6.3 | 5.0 | 3.05 | | | pP | 19 30 24.0 | -1.9 | | | |
| | | | sP | 19 29 33.0 | 4.3 | | | | S | 19 35 35.0 | -4.9 | | | |
| | | | iS | 19 33 54.0 | 4.6 | | | | LE | Ms = 5.9 | 16.0 | 10.8 | | |
| | | | SMN | m _B = 6.1 | 8.0 | 2.29 | | WMQ | 40.8 | 297 | +iP | 19 31 04.6 | 1.8 | |
| | | | SME | | 9.0 | 3.72 | | | PMZ | m _B = 6.6 | 4.0 | 3.67 | | |
| | | | LN | Ms = 5.7 | 12.0 | 3.72 | | | pP | 19 31 16.0 | 1.0 | | | |
| | | | LE | | 13.0 | 6.62 | | | PP | 19 32 46.0 | 5.9 | | | |
| LZH | 30.0 | 280 | +iP | 19 29 31.0 | -0.1 | | | | S | 19 37 15.0 | 6.2 | | | |

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|---------------------------------------|------|-----|-----|-------------|------|------|-------|------|-----|-----|------------|------|-----|-------|
| | | | SME | $m_B = 6.4$ | 7.0 | 4.30 | XAN | 33.3 | 299 | +P | 22 09 42.4 | -1.1 | | |
| | | | sS | 19 37 37.0 | 6.2 | | BTO | 34.3 | 310 | P | 22 09 52.0 | -0.6 | | |
| | | | SS | 19 40 12.0 | 4.8 | | | | | cpP | 22 10 10.0 | 1.7 | | |
| LSA | 42.2 | 275 | +P | 19 31 15.5 | 1.0 | | | | | cPP | 22 11 09.0 | 0.3 | | |
| | | | PP | 19 32 54.0 | -0.9 | | | | | eS | 22 15 11.5 | -3.2 | | |
| | | | S | 19 37 36.0 | 6.8 | | GYA | 34.5 | 285 | P | 22 09 54.4 | -0.1 | | |
| | | | SME | $m_B = 5.8$ | 9.0 | 1.32 | CD2 | 37.2 | 292 | +iP | 22 10 16.4 | -0.5 | | |
| | | | LE | $M_s = 5.7$ | 16.0 | 4.62 | | | | PMZ | | | 1.0 | 0.14 |
| KSH | 50.4 | 294 | +iP | 19 32 21.0 | 1.9 | | LZH | 37.7 | 301 | +iP | 22 10 22.0 | 0.4 | | |
| | | | pP | 19 32 33.0 | 1.7 | | | | | PMZ | | | 1.5 | 0.090 |
| | | | sP | 19 32 40.0 | 3.4 | | KMI | 38.1 | 283 | eP | 22 10 25.0 | 0.1 | | |
| | | | iS | 19 39 34.0 | 6.6 | | GTA | 41.5 | 305 | +iP | 22 10 52.2 | -0.5 | | |
| | | | SME | $m_B = 6.2$ | 8.0 | 2.30 | | | | PMZ | | | 1.4 | 0.060 |
| | | | sS | 19 39 52.0 | 3.4 | | | | | ScP | 22 16 34.8 | 2.8 | | |
| | | | LE | $M_s = 6.3$ | 12.0 | 12.2 | | | | S | 22 17 04.8 | 2.5 | | |
| | | | | | | | LSA | 48.1 | 291 | +P | 22 11 45.6 | -0.3 | | |
| | | | | | | | WMQ | 51.1 | 309 | eP | 22 12 09.2 | 0.4 | | |
| | | | | | | | KSH | 59.9 | 304 | eP | 22 13 13.0 | 1.1 | | |
| 1987 4 16 | | | | | | | | | | | | | | |
| O = 22 03 09.9 ± 0.10s | | | | | | | | | | | | | | |
| LAT = 22.15 N ± 1.33km | | | | | | | | | | | | | | |
| LONG = 144.34 E ± 1.80km | | | | | | | | | | | | | | |
| DEPTH = 66 km ± 0.16km | | | | | | | | | | | | | | |
| STATIONS USED = 80, STAND DEV = 1.07s | | | | | | | | | | | | | | |
| Ms = 4.5 / 6, | | | | | | | | | | | | | | |
| SSE | 22.5 | 298 | P | 22 08 05.0 | -0.2 | | | | | | | | | |
| | | | PMZ | | | 1.0 | 0.10 | | | | | | | |
| | | | pP | 22 08 20.0 | -0.1 | | | | | | | | | |
| | | | sP | 22 08 27.0 | -1.5 | | | | | | | | | |
| | | | S | 22 12 06.0 | 3.6 | | | | | | | | | |
| | | | sS | 22 12 29.0 | 0.8 | | | | | | | | | |
| | | | SS | 22 12 52.0 | 4.1 | | | | | | | | | |
| | | | LZ | $M_s = 4.7$ | 24.0 | 2.29 | | | | | | | | |
| NJ2 | 24.7 | 299 | eP | 22 08 26.2 | -0.2 | | | | | | | | | |
| | | | pP | 22 08 40.8 | -0.7 | | | | | | | | | |
| MDJ | 25.5 | 335 | eP | 22 08 34.5 | 0.5 | | | | | | | | | |
| | | | eS | 22 13 00.0 | 5.7 | | | | | | | | | |
| DL2 | 25.6 | 316 | -iP | 22 08 36.6 | 1.4 | | | | | | | | | |
| | | | PMZ | | | 3.0 | 0.77 | | | | | | | |
| | | | S | 22 13 00.0 | 4.3 | | | | | | | | | |
| CN2 | 26.7 | 329 | P | 22 08 44.0 | -0.9 | | | | | | | | | |
| | | | pP | 22 09 01.0 | 0.8 | | | | | | | | | |
| | | | eS | 22 13 10.0 | -3.7 | | | | | | | | | |
| TIA | 27.5 | 307 | +P | 22 08 51.8 | -0.5 | | | | | | | | | |
| WHN | 28.1 | 294 | P | 22 08 57.0 | -0.8 | | | | | | | | | |
| | | | pP | 22 09 12.0 | -1.2 | | | | | | | | | |
| | | | eS | 22 13 35.0 | -1.6 | | | | | | | | | |
| BJI | 29.8 | 313 | eP | 22 09 12.0 | -1.2 | | | | | | | | | |
| TIY | 31.5 | 307 | eP | 22 09 28.0 | -0.4 | | | | | | | | | |
| | | | S | 22 14 31.0 | 0.9 | | | | | | | | | |
| | | | LN | $M_s = 4.5$ | 14.0 | 0.46 | | | | | | | | |
| QZN | 32.4 | 271 | eP | 22 09 36.2 | 0.2 | | | | | | | | | |
| 1987 4 17 | | | | | | | | | | | | | | |
| O = 00 12 24.7 ± 0.10s | | | | | | | | | | | | | | |
| LAT = 8.98 N ± 1.40km | | | | | | | | | | | | | | |
| LONG = 124.07 E ± 1.51km | | | | | | | | | | | | | | |
| DEPTH = 558 km ± 0.34km | | | | | | | | | | | | | | |
| STATIONS USED = 91, STAND DEV = 1.07s | | | | | | | | | | | | | | |
| $m_B = 4.8 / 4$ | | | | | | | | | | | | | | |
| QZH | 16.7 | 342 | eP | 00 15 51.0 | 0.5 | | | | | | | | | |
| | | | S | 00 18 40.0 | 3.9 | | | | | | | | | |
| QZN | 17.0 | 307 | P | 00 15 53.8 | 0.3 | | | | | | | | | |
| | | | sP | 00 18 02.0 | -0.3 | | | | | | | | | |
| | | | S | 00 18 45.0 | 3.5 | | | | | | | | | |
| GZH | 17.4 | 325 | -iP | 00 15 58.1 | 1.1 | | | | | | | | | |
| SSE | 22.2 | 353 | +P | 00 16 41.7 | 0.1 | | | | | | | | | |
| | | | PMZ | | | 1.5 | 0.090 | | | | | | | |
| | | | eS | 00 20 09.0 | 1.1 | | | | | | | | | |
| WHN | 23.3 | 338 | -P | 00 16 52.0 | 0.3 | | | | | | | | | |
| | | | PMZ | | | 1.0 | 0.74 | | | | | | | |
| | | | sP | 00 19 20.0 | -1.0 | | | | | | | | | |
| | | | S | 00 20 24.0 | -1.2 | | | | | | | | | |
| NJ2 | 23.5 | 349 | -P | 00 16 53.0 | -0.2 | | | | | | | | | |
| GYA | 24.0 | 319 | -P | 00 16 58.0 | 0.1 | | | | | | | | | |
| | | | sP | 00 19 26.0 | -1.8 | | | | | | | | | |
| | | | PcP | 00 20 20.6 | 0.1 | | | | | | | | | |
| | | | S | 00 20 37.0 | 1.1 | | | | | | | | | |
| KMI | 25.9 | 311 | -P | 00 17 15.0 | 0.0 | | | | | | | | | |
| TIA | 27.8 | 348 | -P | 00 17 31.0 | -0.8 | | | | | | | | | |
| XAN | 28.6 | 333 | -iP | 00 17 37.5 | -0.7 | | | | | | | | | |
| | | | S | 00 21 47.0 | -1.0 | | | | | | | | | |
| CD2 | 28.9 | 322 | -iP | 00 17 40.3 | -0.7 | | | | | | | | | |
| | | | S | 00 21 51.0 | -1.9 | | | | | | | | | |

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| | | | | | | | |
|-----|------|-----|-----|------------|------|-----|-------|
| DL2 | 29.9 | 356 | -P | 00 17 49.2 | -0.2 | | |
| TIY | 30.5 | 342 | P | 00 17 54.6 | 0.0 | | |
| | | | PMZ | | | 0.6 | 0.050 |
| | | | S | 00 22 19.0 | 1.5 | | |
| BJI | 31.7 | 348 | -iP | 00 18 05.0 | 0.0 | | |
| | | | PcP | 00 20 39.5 | -0.2 | | |
| | | | eS | 00 22 36.0 | -1.5 | | |
| | | | ScP | 00 23 31.0 | 1.4 | | |
| LZH | 32.7 | 329 | -iP | 00 18 14.5 | 1.3 | | |
| | | | PMZ | | | 0.5 | 0.29 |
| | | | iS | 00 22 52.5 | 0.1 | | |
| | | | SMN | | | 2.0 | 0.21 |
| SNY | 32.7 | 359 | -iP | 00 18 13.4 | -0.1 | | |
| HHC | 33.6 | 343 | -P | 00 18 21.4 | 0.2 | | |
| BTO | 33.9 | 341 | P | 00 18 22.0 | -1.3 | | |
| CN2 | 34.7 | 2 | -iP | 00 18 29.0 | -1.1 | | |
| | | | pP | 00 20 03.0 | -2.0 | | |
| | | | eS | 00 23 21.0 | -2.1 | | |
| MDJ | 35.8 | 7 | -P | 00 18 39.4 | 0.0 | | |
| LSA | 37.1 | 308 | -P | 00 18 49.0 | -1.0 | | |
| GTA | 37.3 | 328 | -iP | 00 18 51.4 | 0.1 | | |
| | | | PcP | 00 20 56.2 | 0.2 | | |
| | | | ScP | 00 23 50.0 | 0.5 | | |
| | | | PcS | 00 24 43.0 | 0.7 | | |
| WMQ | 46.9 | 324 | P | 00 20 07.0 | -0.6 | | |
| KSH | 52.5 | 313 | -P | 00 20 49.5 | 0.9 | | |

1987 4 17

O=00 33 48.1 ± 0.14s
 LAT=15.36 N ± 1.82km
 LONG=145.97 E ± 2.78km
 DEPTH=108 km ± 0.99km
 STATIONS USED = 79, STAND DEV = 1.59s

$m_B = 5.7 / 15$

| | | | | | | | |
|-----|------|-----|----|------------|------|------|------|
| QZH | 27.4 | 295 | eP | 00 39 22.0 | -3.4 | | |
| | | | pP | 00 39 43.0 | -5.7 | | |
| | | | iS | 00 43 55.0 | -0.9 | | |
| | | | LN | | | 12.0 | 0.68 |
| SSE | 27.5 | 309 | P | 00 39 26.4 | -0.6 | | |
| | | | pP | 00 39 50.0 | -0.3 | | |
| | | | PP | 00 40 16.0 | -3.2 | | |
| | | | S | 00 43 58.0 | 0.0 | | |
| | | | SS | 00 45 27.0 | 1.9 | | |
| | | | LN | | | 11.0 | 0.52 |
| | | | LE | | | 11.0 | 0.60 |
| NJ2 | 29.7 | 309 | +P | 00 39 44.0 | -2.7 | | |
| | | | S | 00 44 29.0 | -4.1 | | |
| | | | LE | | | 13.0 | 0.50 |
| GZH | 31.7 | 289 | eP | 00 40 04.8 | 0.9 | | |
| | | | eS | 00 45 05.0 | 0.5 | | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------------|-----------|
| DL2 | 31.7 | 322 | P | 00 40 05.0 | 0.8 | | |
| | | | epP | 00 40 27.0 | -1.0 | | |
| | | | cPP | 00 41 13.0 | 0.5 | | |
| | | | eS | 00 45 05.0 | -0.2 | | |
| | | | esS | 00 45 45.0 | -2.0 | | |
| | | | SMN | | | $m_B = 5.3$ | 8.0 0.81 |
| | | | LN | | | | 13.0 0.76 |
| WHN | 32.7 | 303 | eP | 00 40 12.0 | -0.3 | | |
| | | | eS | 00 45 18.0 | -1.6 | | |
| | | | sS | 00 45 56.0 | -5.5 | | |
| | | | LN | | | | 14.0 0.83 |
| | | | LE | | | | 36.0 1.62 |
| SNY | 32.7 | 328 | eP | 00 40 12.2 | -0.3 | | |
| | | | eS | 00 45 18.0 | -2.1 | | |
| | | | SMN | | | | 23.0 0.82 |
| | | | LN | | | | 38.0 2.42 |
| | | | LE | | | | 35.0 1.93 |
| TIA | 33.0 | 314 | eP | 00 40 15.1 | -0.5 | | |
| | | | SMN | | | $m_B = 5.1$ | 11.0 0.60 |
| | | | SME | | | | 11.0 0.39 |
| | | | LN | | | | 13.0 0.89 |
| | | | LE | | | | 13.0 0.49 |
| CN2 | 33.3 | 332 | eP | 00 40 18.0 | 0.2 | | |
| QZN | 34.7 | 281 | eP | 00 40 31.0 | 1.5 | | |
| | | | sP | 00 41 03.0 | -3.6 | | |
| | | | cPP | 00 41 51.0 | 2.2 | | |
| | | | S | 00 45 54.0 | 4.3 | | |
| | | | SME | | | $m_B = 5.3$ | 10.0 0.90 |
| | | | sS | 00 46 32.0 | -0.5 | | |
| | | | eSS | 00 48 13.0 | 4.1 | | |
| | | | LE | | | | 12.0 0.70 |
| BJI | 35.8 | 319 | eP | 00 40 38.0 | -0.8 | | |
| | | | PP | 00 42 01.0 | -0.1 | | |
| | | | eS | 00 46 07.0 | -0.5 | | |
| | | | esS | 00 46 46.0 | -3.7 | | |
| | | | SMN | | | $m_B = 5.5$ | 7.0 0.74 |
| | | | LN | | | | 14.0 0.79 |
| | | | LE | | | | 14.0 0.47 |
| TIY | 37.0 | 313 | P | 00 40 49.9 | 0.2 | | |
| | | | PMZ | | | $m_B = 5.8$ | 5.0 0.89 |
| | | | pP | 00 41 10.5 | -3.5 | | |
| | | | PP | 00 42 19.0 | 1.7 | | |
| | | | S | 00 46 28.0 | 1.8 | | |
| | | | SMN | | | $m_B = 5.4$ | 9.0 0.73 |
| | | | SME | | | | 10.5 0.53 |
| | | | sS | 00 47 07.0 | -2.6 | | |
| | | | LN | | | | 17.0 1.69 |
| | | | LE | | | | 18.0 1.60 |
| XAN | 38.2 | 306 | P | 00 40 58.8 | -0.3 | | |
| | | | S | 00 46 14.0 | 0.7 | | |

LAT=20.36 S ± 3.00km
 LONG=174.28 W ± 1.61km
 DEPTH= 92 km ± 2.11km
 STATIONS USED = 23, STAND DEV= 1.88s

| | | | | | |
|-----|------|-----|----|------------|------|
| BJI | 88.3 | 314 | eP | 05 27 13.0 | -1.4 |
| TIY | 89.8 | 311 | eP | 05 27 22.8 | 1.1 |
| XAN | 90.8 | 306 | eP | 05 27 26.5 | -0.1 |

1987 4 17
 O=07 33 39.1 ± 0.07s
 LAT=35.68 N ± 1.55km
 LONG=140.11 E ± 1.41km
 DEPTH= 78 km ± 1.05km
 STATIONS USED = 87, STAND DEV= 1.52s
 Ms=4.2/ 12, mb=5.0/ 1

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| MDJ | 12.0 | 321 | -P | 07 36 29.8 | 0.6 |
| CN2 | 13.9 | 310 | eP | 07 36 54.0 | 0.2 |
| | | | pP | 07 37 03.0 | -3.9 |
| | | | eS | 07 39 25.0 | -1.5 |
| | | | LE | Ms=4.0 | 12.0 0.50 |
| SNY | 14.3 | 300 | -iP | 07 37 00.6 | 1.7 |
| | | | eS | 07 39 41.0 | 5.1 |
| | | | LN | Ms=4.2 | 17.0 0.64 |
| | | | LE | | 17.0 0.81 |
| DL2 | 15.1 | 288 | P | 07 37 13.0 | 4.0 |
| | | | epP | 07 37 25.0 | 2.3 |
| | | | eS | 07 40 00.0 | 5.7 |
| | | | LE | Ms=4.2 | 13.0 0.76 |
| SSE | 16.4 | 259 | eP | 07 37 28.3 | 1.8 |
| | | | PMZ | | 1.5 0.070 |
| | | | sP | 07 37 50.0 | -0.4 |
| | | | LN | Ms=4.4 | 12.0 0.84 |
| NJ2 | 18.0 | 265 | +P | 07 37 46.7 | 0.7 |
| | | | LN | Ms=4.4 | 11.0 0.70 |
| TIA | 18.6 | 278 | -P | 07 37 51.8 | -1.2 |
| | | | LN | Ms=4.4 | 10.0 0.56 |
| BJI | 19.4 | 290 | eP | 07 37 59.0 | -2.4 |
| | | | epP | 07 38 15.0 | -0.7 |
| | | | eS | 07 41 31.0 | -0.2 |
| | | | SME | mb=5.0 | 7.0 0.29 |
| | | | esS | 07 41 52.0 | -3.5 |
| QZH | 21.4 | 246 | eP | 07 38 21.0 | -1.3 |
| | | | LN | Ms=4.0 | 26.0 0.56 |
| WHN | 22.1 | 264 | P | 07 38 30.5 | 0.7 |
| | | | sP | 07 38 52.0 | -4.6 |
| | | | S | 07 42 26.0 | 2.7 |
| | | | LE | Ms=4.2 | 14.0 0.45 |
| TIY | 22.3 | 283 | eP | 07 38 29.5 | -1.5 |
| | | | sP | 07 38 55.0 | -2.7 |
| | | | LE | Ms=4.4 | 18.0 0.89 |

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| HHC | 22.9 | 292 | eP | 07 38 35.8 | -2.0 |
| BTO | 24.1 | 291 | eP | 07 38 46.0 | -3.0 |
| | | | epP | 07 39 03.5 | -2.7 |
| | | | ePP | 07 39 21.0 | -5.3 |
| | | | eS | 07 42 52.0 | -6.5 |
| | | | LN | Ms=4.3 | 12.0 0.20 |
| | | | LE | | 12.0 0.30 |
| XAN | 25.6 | 275 | -P | 07 39 02.6 | -0.5 |
| GZH | 26.4 | 249 | +P | 07 39 10.4 | 0.0 |
| LZH | 29.3 | 282 | eP | 07 39 36.0 | -0.7 |
| GYA | 30.0 | 262 | P | 07 39 41.8 | -1.0 |
| | | | pP | 07 39 58.4 | -2.1 |
| | | | S | 07 44 34.6 | 1.7 |
| CD2 | 30.6 | 272 | eP | 07 39 47.2 | -1.5 |
| QZN | 31.4 | 246 | P | 07 39 55.6 | 0.2 |
| GTA | 32.0 | 289 | +P | 07 39 59.8 | -0.7 |
| | | | PcP | 07 42 50.0 | 1.8 |
| | | | PcS | 07 46 33.4 | 1.8 |
| KMI | 33.7 | 262 | +P | 07 40 14.5 | -1.2 |
| WMQ | 40.5 | 298 | P | 07 41 14.0 | 1.4 |
| | | | PMZ | | 2.0 0.090 |
| LSA | 41.3 | 276 | +P | 07 41 19.4 | 0.0 |
| KSH | 50.0 | 295 | eP | 07 42 30.0 | 1.7 |
| | | | pP | 07 42 44.0 | -3.1 |
| | | | PP | 07 44 19.0 | -5.8 |

1987 4 17
 O=08 33 35.3 ± 0.11s
 LAT=17.23 S ± 2.44km
 LONG=173.10 W ± 2.51km
 DEPTH= 37 km ± 0.37km
 STATIONS USED = 41, STAND DEV= 1.33s

| | | | | | |
|-----|------|-----|-----|------------|------|
| MDJ | 80.6 | 322 | eP | 08 45 45.0 | -1.7 |
| NJ2 | 81.5 | 307 | eP | 08 45 51.0 | -0.1 |
| CN2 | 82.7 | 320 | eP | 08 45 56.0 | -1.2 |
| SNY | 82.8 | 318 | eP | 08 45 56.9 | -1.0 |
| TIA | 84.6 | 310 | eP | 08 46 07.1 | 0.1 |
| TIY | 88.6 | 310 | -iP | 08 46 27.6 | 0.8 |
| GYA | 89.1 | 298 | P | 08 46 30.2 | 1.0 |
| XAN | 89.9 | 306 | P | 08 46 33.5 | 0.7 |
| HHC | 90.5 | 313 | +P | 08 46 36.0 | 0.5 |
| KMI | 92.1 | 296 | +P | 08 46 44.5 | 1.5 |
| GTA | 98.5 | 309 | P | 08 47 12.0 | -0.3 |

1987 4 17
 O=13 13 08.3 ± 0.05s
 LAT=29.57 N ± 0.46km
 LONG=101.96 E ± 0.36km
 DEPTH= 10 km
 STATIONS USED = 5, STAND DEV= 1.83s

$M_L = 2.8 / 3,$

| | | | | | |
|-----|-----|----|-----|-------------|-----------|
| CD2 | 2.1 | 49 | Pn | 13 13 43.8 | 0.4 |
| | | | Pg | 13 13 44.6 | 0.0 |
| | | | Sg | 13 14 09.4 | -3.4 |
| | | | SMN | $M_L = 2.7$ | 0.5 0.070 |
| | | | SME | | 0.4 0.040 |

O = 20 10 52.8 ± 0.12s
 LAT = 23.46 N ± 1.29km
 LONG = 114.68 E ± 0.89km
 DEPTH = 10 km
 STATIONS USED = 12, STAND DEV = 2.36s

1987 4 17

O = 15 37 06.2 ± 0.11s
 LAT = 39.33 N ± 1.87km
 LONG = 72.72 E ± 1.87km
 DEPTH = 25 km ± 0.54km
 STATIONS USED = 23, STAND DEV = 2.70s

$M_s = 4.5 / 1, M_L = 4.1 / 2,$

| | | | | | |
|-----|-----|----|----|------------|----------|
| KSH | 2.5 | 86 | Pn | 15 37 48.0 | 1.7 |
| | | | Sn | 15 38 20.0 | 2.2 |
| | | | LN | | 4.0 22.7 |

| | | | | | |
|-----|------|----|----|------------|------|
| WMQ | 12.1 | 63 | P | 15 39 56.0 | -4.1 |
| GTA | 20.9 | 81 | cP | 15 41 48.0 | -1.9 |

1987 4 17

O = 15 47 18.6 ± 0.03s
 LAT = 37.08 N ± 0.35km
 LONG = 104.41 E ± 0.31km
 DEPTH = 20 km
 STATIONS USED = 7, STAND DEV = 1.34s

$M_L = 2.8 / 3,$

| | | | | | |
|-----|-----|-----|-----|------------|------|
| GTA | 4.3 | 304 | Pn | 15 48 23.4 | -0.3 |
| | | | Pg | 15 48 37.7 | 3.1 |
| | | | Sn | 15 49 15.6 | 0.5 |
| | | | Sg | 15 49 32.0 | -1.4 |
| XAN | 4.8 | 128 | cPg | 15 48 42.0 | -0.9 |
| | | | Sg | 15 49 42.6 | -5.4 |

1987 4 17

O = 19 39 48.6 ± 0.19s
 LAT = 4.08 S ± 1.50km
 LONG = 152.54 E ± 0.88km
 DEPTH = 145 km ± 2.05km
 STATIONS USED = 35, STAND DEV = 1.94s

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 52.7 | 339 | cP | 19 48 49.5 | -1.0 |
| CN2 | 53.5 | 336 | P | 19 48 56.0 | -1.0 |
| BJI | 55.1 | 326 | cP | 19 49 07.0 | -1.7 |
| TIY | 55.8 | 322 | cP | 19 49 13.5 | 0.0 |
| CD2 | 58.1 | 310 | cP | 19 49 30.2 | 0.7 |
| LZH | 60.5 | 316 | cP | 19 49 47.0 | 0.5 |
| GTA | 65.0 | 317 | -P | 19 50 16.3 | 0.6 |
| WMQ | 75.0 | 317 | P | 19 51 17.8 | 1.1 |

1987 4 17

$M_L = 3.4 / 11,$

| | | | | | |
|-----|-----|-----|------|-------------|-----------|
| GZH | 1.3 | 254 | +iPg | 20 11 17.2 | 1.8 |
| | | | Sn | 20 11 33.7 | -2.5 |
| | | | Sg | 20 11 35.6 | 2.6 |
| | | | SMN | $M_L = 3.3$ | 0.4 0.97 |
| | | | SME | | 0.4 0.11 |
| QZN | 6.3 | 227 | cPn | 20 12 27.8 | 1.6 |
| | | | Sn | 20 13 40.6 | 0.0 |
| | | | SMN | $M_L = 3.0$ | 0.7 0.010 |
| | | | SME | | 0.7 0.010 |

1987 4 17

O = 21 24 03.0 ± 0.08s
 LAT = 2.59 S ± 0.94km
 LONG = 138.98 E ± 1.70km
 DEPTH = 81 km ± 0.28km
 STATIONS USED = 28, STAND DEV = 1.25s

| | | | | | |
|-----|------|-----|----|------------|------|
| GYA | 42.5 | 315 | P | 21 31 54.4 | 1.6 |
| XAN | 46.1 | 325 | cP | 21 32 21.0 | -0.6 |
| CD2 | 47.3 | 318 | cP | 21 32 31.1 | 0.5 |
| BJI | 47.3 | 336 | cP | 21 32 30.0 | -0.7 |
| LZH | 50.5 | 323 | cP | 21 32 56.5 | 0.5 |
| GTA | 55.1 | 323 | -P | 21 33 29.6 | -0.4 |
| WMQ | 65.1 | 321 | P | 21 34 37.5 | -0.4 |

1987 4 17

O = 23 57 53.6 ± 0.08s
 LAT = 42.47 N ± 0.68km
 LONG = 80.19 E ± 0.73km
 DEPTH = 26 km ± 0.26km
 STATIONS USED = 6, STAND DEV = 2.81s

$M_L = 3.5 / 5,$

1987 4 18

O = 00 03 12.9 ± 0.16s
 LAT = 33.57 N ± 1.41km
 LONG = 132.02 E ± 1.77km
 DEPTH = 99 km ± 0.66km
 STATIONS USED = 41, STAND DEV = 1.90s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| SSE | 9.5 | 258 | cP | 00 05 29.5 | 1.1 |
| | | | PMZ | | 1.2 0.010 |
| DL2 | 9.9 | 305 | cP | 00 05 32.0 | -2.4 |
| SNY | 10.6 | 323 | -P | 00 05 44.2 | 0.7 |
| NJ2 | 11.2 | 266 | cP | 00 05 53.0 | 1.9 |
| MDJ | 11.2 | 351 | cP | 00 05 53.0 | 1.7 |

| | | | | | |
|-----|------|-----|----|------------|------|
| CN2 | 11.4 | 335 | eP | 00 05 54.6 | 0.2 |
| | | | PP | 00 06 03.6 | -2.6 |
| TIA | 12.5 | 286 | eP | 00 06 09.2 | 0.4 |
| BJI | 14.2 | 302 | eP | 00 06 33.0 | 1.9 |
| WHN | 15.3 | 263 | eP | 00 06 48.5 | 3.9 |
| TIY | 16.4 | 290 | eP | 00 07 02.0 | 2.7 |
| HHC | 17.8 | 300 | -P | 00 07 17.2 | 1.0 |
| BTO | 18.9 | 298 | eP | 00 07 27.0 | -1.4 |
| XAN | 19.2 | 278 | P | 00 07 30.0 | -1.8 |
| GYA | 23.0 | 259 | P | 00 08 09.6 | -0.9 |
| LZH | 23.2 | 284 | eP | 00 08 12.0 | -0.5 |
| CD2 | 24.0 | 271 | P | 00 08 19.0 | -0.9 |
| GTA | 26.5 | 292 | eP | 00 08 41.7 | -1.3 |
| WMQ | 35.7 | 300 | P | 00 10 03.0 | -1.1 |

| | | | | | | | |
|-----|------|-----|-----|------------|------------|------|------|
| | | | | LN | Ms=4.8 | 12.0 | 0.83 |
| | | | | LE | | 13.0 | 0.77 |
| BTO | 25.6 | 287 | P | 01 13 44.0 | -0.3 | | |
| | | | | ePP | 01 14 20.0 | -3.2 | |
| | | | | eS | 01 18 05.0 | -3.3 | |
| | | | | LN | Ms=4.6 | 12.0 | 0.20 |
| | | | | LE | | 14.0 | 0.70 |
| XAN | 27.6 | 273 | P | 01 14 02.5 | -0.3 | | |
| GZH | 29.0 | 249 | -P | 01 14 16.5 | 1.2 | | |
| LZH | 31.1 | 280 | +iP | 01 14 34.0 | 0.0 | | |
| GYA | 32.3 | 261 | P | 01 14 44.4 | -0.7 | | |
| CD2 | 32.7 | 270 | P | 01 14 48.0 | -0.6 | | |
| GTA | 33.5 | 287 | +P | 01 14 55.2 | 0.0 | | |
| QZN | 34.0 | 247 | eP | 01 15 01.2 | 1.5 | | |
| KMI | 36.1 | 262 | -P | 01 15 17.5 | 0.2 | | |
| WMQ | 41.6 | 297 | P | 01 16 05.0 | 1.4 | | |
| LSA | 43.2 | 276 | eP | 01 16 19.5 | 2.4 | | |
| KSH | 51.3 | 294 | eP | 01 17 21.5 | 1.8 | | |

1987 4 18
 O=01 08 15.4 ± 0.09s
 LAT=37.36 N ± 2.34km
 LONG=142.76 E ± 2.71km
 DEPTH= 27 km ± 1.18km
 STATIONS USED = 79, STAND DEV = 1.79s
 Ms=4.6/16,

| | | | | | |
|-----|------|-----|----|------------|-----------|
| MDJ | 12.3 | 310 | eP | 01 11 17.2 | 5.3 |
| | | | eS | 01 13 30.0 | 0.9 |
| | | | LE | Ms=4.2 | 15.0 1.08 |
| CN2 | 14.6 | 301 | eP | 01 11 38.0 | -4.7 |
| | | | LN | Ms=4.4 | 13.0 1.30 |
| SNY | 15.4 | 293 | eP | 01 11 51.0 | -2.2 |
| | | | LE | Ms=4.6 | 15.0 1.97 |
| DL2 | 16.7 | 282 | eP | 01 12 12.0 | 2.8 |
| | | | LE | Ms=4.3 | 12.0 0.68 |
| SSE | 18.9 | 257 | eP | 01 12 36.0 | -0.4 |
| | | | sS | 01 16 13.0 | -0.8 |
| | | | LN | Ms=4.7 | 12.0 0.57 |
| | | | LE | | 14.0 1.45 |
| NJ2 | 20.3 | 262 | eP | 01 12 52.5 | 0.1 |
| TIA | 20.5 | 275 | eP | 01 12 52.6 | -2.1 |
| | | | eS | 01 16 38.5 | 0.0 |
| | | | LN | Ms=4.6 | 13.0 0.76 |
| | | | LE | | 13.0 0.93 |
| BJI | 20.9 | 286 | eP | 01 12 56.5 | -1.8 |
| | | | LE | Ms=4.2 | 12.0 0.35 |
| TIY | 24.0 | 280 | eP | 01 13 27.5 | -1.7 |
| | | | sP | 01 13 42.0 | 1.2 |
| | | | S | 01 17 35.0 | -5.8 |
| | | | sS | 01 17 54.0 | -0.7 |
| | | | LE | Ms=4.7 | 13.0 0.94 |
| QZH | 24.0 | 246 | eP | 01 13 28.8 | -0.5 |
| WHN | 24.5 | 262 | P | 01 13 34.5 | 0.9 |
| | | | eS | 01 17 50.0 | 0.5 |

1987 4 18
 O=02 01 36.1 ± 0.06s
 LAT=61.58 N ± 2.00km
 LONG=150.93 W ± 0.79km
 DEPTH= 60 km
 STATIONS USED = 96, STAND DEV = 0.72s
 Ms=5.0/8,

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| MDJ | 47.4 | 287 | +P | 02 10 06.5 | -0.3 |
| CN2 | 49.9 | 290 | +iP | 02 10 25.0 | -1.2 |
| | | | PMZ | | 2.0 0.80 |
| | | | sP | 02 10 48.0 | 1.1 |
| | | | PP | 02 12 20.0 | -1.3 |
| | | | eS | 02 17 26.0 | -4.4 |
| SNY | 52.3 | 290 | +iP | 02 10 44.0 | -0.3 |
| | | | sP | 02 11 05.0 | -0.2 |
| | | | eS | 02 18 04.0 | 0.6 |
| | | | LN | Ms=4.6 | 30.0 0.59 |
| DL2 | 55.5 | 289 | +iP | 02 11 08.0 | -0.1 |
| BJI | 57.0 | 294 | +iP | 02 11 19.0 | 0.1 |
| HHC | 58.4 | 298 | +iP | 02 11 28.0 | -0.2 |
| BTO | 59.2 | 299 | +P | 02 11 33.5 | -0.7 |
| | | | sP | 02 11 57.0 | 1.9 |
| | | | eS | 02 19 35.0 | -0.7 |
| | | | LN | Ms=5.3 | 19.0 1.00 |
| | | | LE | | 19.0 0.80 |
| TIA | 59.8 | 291 | +P | 02 11 37.9 | -0.1 |
| TIY | 60.6 | 295 | +iP | 02 11 43.0 | -0.6 |
| | | | PMZ | | 1.0 0.12 |
| | | | eS | 02 19 49.0 | -4.4 |
| | | | LN | Ms=4.8 | 14.0 0.28 |
| SSE | 62.2 | 284 | P | 02 11 54.5 | 0.2 |

| | | | | | | | | | | | | | | | |
|---------------------------------------|------|-----|------|-------------|-----|-------|------|-----|-------|-------------|------|-----|-------------|------------|-------|
| | | | PMZ | | 1.0 | 0.090 | | | SMN | $m_B = 5.5$ | | | | | |
| | | | sP | 02 12 16.0 | | | 0.5 | | TIA | 55.3 | 323 | eP | 05 46 01.8 | -1.2 | |
| | | | eS | 02 20 12.0 | | | -1.6 | | | | | eS | 05 53 47.5 | 3.7 | |
| NJ2 | 62.5 | 287 | +iP | 02 11 55.5 | | | -0.6 | | | | | SMN | $m_B = 5.2$ | 10.0 | 0.23 |
| | | | sP | 02 12 17.0 | | | -0.3 | | | | | SME | | 9.0 | 0.22 |
| GTA | 64.3 | 306 | +iP | 02 12 08.8 | | | 0.2 | | MDJ | 55.8 | 339 | eP | 05 46 05.0 | -1.8 | |
| | | | pP | 02 12 23.1 | | | -0.4 | | | | | pP | 05 46 15.5 | 0.7 | |
| | | | sP | 02 12 32.0 | | | 2.3 | | CN2 | 56.7 | 335 | +P | 05 46 11.6 | -2.0 | |
| | | | LE | $M_s = 5.1$ | | | | 8.0 | 0.32 | | | pP | 05 46 20.0 | -1.5 | |
| WMQ | 64.8 | 317 | +P | 02 12 12.1 | | | 0.4 | | GYA | 56.9 | 307 | P | 05 46 15.8 | 0.8 | |
| | | | PMZ | | | | | 2.0 | 0.070 | TIY | 59.1 | 322 | eP | 05 46 29.6 | -0.6 |
| | | | sP | 02 12 37.3 | | | 4.5 | | | | | S | 05 54 39.0 | 6.0 | |
| | | | PP | 02 14 35.0 | | | -0.3 | | XAN | 59.2 | 316 | +iP | 05 46 30.0 | -0.8 | |
| | | | S | 02 20 47.0 | | | 2.1 | | KMI | 59.5 | 304 | eP | 05 46 34.0 | 0.9 | |
| XAN | 65.2 | 296 | +P | 02 12 13.3 | | | -0.9 | | CD2 | 61.3 | 311 | P | 05 46 44.8 | -0.4 | |
| LZH | 65.6 | 301 | +iP | 02 12 17.0 | | | 0.2 | | HHC | 61.6 | 324 | eP | 05 46 47.2 | -0.1 | |
| | | | pP | 02 12 35.0 | | | 3.4 | | BTO | 62.3 | 323 | eP | 05 46 52.2 | -0.2 | |
| | | | sP | 02 12 40.0 | | | 2.1 | | LZH | 63.8 | 316 | +iP | 05 47 02.0 | 0.0 | |
| WHN | 65.8 | 289 | +iP | 02 12 17.5 | | | -0.3 | | | | | pP | 05 47 13.0 | 3.1 | |
| | | | PMZ | | | | | 1.0 | 0.42 | GTA | 68.2 | 317 | +iP | 05 47 30.3 | 0.0 |
| | | | sP | 02 12 40.0 | | | 0.9 | | LSA | 70.7 | 305 | P | 05 47 46.0 | -0.1 | |
| | | | iScS | 02 22 04.0 | | | 0.8 | | WMQ | 78.3 | 317 | P | 05 48 30.0 | 0.6 | |
| QZH | 68.6 | 283 | eP | 02 12 35.0 | | | -0.5 | | | | | PMZ | | 1.4 | 0.040 |
| CD2 | 70.1 | 298 | -iP | 02 12 44.6 | | | -0.2 | | | | | pP | 05 48 41.0 | 3.7 | |
| | | | PMZ | | | | | 1.0 | 0.17 | | | S | 05 58 26.5 | 5.9 | |
| KSH | 72.4 | 324 | +P | 02 12 59.0 | | | 0.5 | | KSH | 85.5 | 310 | +P | 05 49 08.0 | 1.2 | |
| | | | pP | 02 13 16.0 | | | 2.6 | | | | | pP | 05 49 19.0 | 4.4 | |
| | | | ePP | 02 15 42.0 | | | 1.7 | | | | | ePP | 05 52 24.0 | -1.6 | |
| GZH | 72.6 | 286 | -iP | 02 13 00.6 | | | 0.7 | | | | | S | 05 59 38.0 | 4.2 | |
| GYA | 72.7 | 294 | P | 02 13 00.6 | | | 0.1 | | | | | SMN | $m_B = 5.8$ | 6.0 | 0.50 |
| KMI | 75.6 | 296 | +P | 02 13 17.0 | | | -0.3 | | | | | sS | 05 59 50.0 | 1.2 | |
| LSA | 76.2 | 308 | -P | 02 13 21.6 | | | 0.4 | | | | | | | | |
| QZN | 77.8 | 287 | eP | 02 13 29.7 | | | 0.5 | | | | | | | | |
| 1987 4 18 | | | | | | | | | | | | | | | |
| O = 12 49 36.2 ± 0.12s | | | | | | | | | | | | | | | |
| LAT = 23.97 N ± 1.54km | | | | | | | | | | | | | | | |
| LONG = 121.82 E ± 1.58km | | | | | | | | | | | | | | | |
| DEPTH = 28 km ± 0.42km | | | | | | | | | | | | | | | |
| STATIONS USED = 76, STAND DEV = 1.72s | | | | | | | | | | | | | | | |
| $M_s = 4.5 / 28, M_L = 4.8 / 5,$ | | | | | | | | | | | | | | | |
| QZH | 3.1 | 289 | +iPn | 12 50 24.2 | | | 0.6 | | | | | iSn | 12 50 57.2 | -4.1 | |
| | | | S | 05 51 54.0 | | | 4.4 | | | | | SMN | $M_L = 4.7$ | 1.0 | 2.62 |
| SSE | 49.3 | 322 | eP | 05 45 18.0 | | | -0.3 | | | | | SME | | 1.2 | 2.37 |
| | | | eS | 05 52 24.0 | | | 1.8 | | | | | LN | | 3.0 | 7.11 |
| QZN | 50.9 | 301 | eP | 05 45 34.2 | | | 3.4 | | SSE | 7.1 | 356 | P | 12 51 20.5 | -0.7 | |
| NJ2 | 51.4 | 321 | -P | 05 45 35.0 | | | 0.7 | | | | | SMN | $M_L = 4.8$ | 1.2 | 0.31 |
| WHN | 53.4 | 316 | P | 05 45 50.0 | | | 0.6 | | | | | SME | | 1.1 | 0.41 |
| | | | sP | 05 46 01.0 | | | 0.2 | | GZH | 7.8 | 265 | P | 12 51 30.8 | -0.3 | |
| | | | S | 05 53 24.0 | | | 6.2 | | | | | SMN | $M_L = 5.2$ | 1.0 | 1.03 |
| | | | | | | | | | | | | SME | | 1.0 | 0.27 |

| | | | | | | | | | | | | | |
|---------------------------------------|------|-----|------|-------------|------|---------------------------------------|-------------------|-----|-----|-------------|------|------|--|
| $M_L = 3.2 / 8,$ | | | | | | $O = 19\ 31\ 02.7 \pm 0.10s$ | | | | | | | |
| GZH | 1.3 | 251 | +iPg | 15 49 06.2 | 1.1 | LAT=23.70 N | $\pm 1.24km$ | | | | | | |
| | | | Sg | 15 49 24.4 | 2.1 | LONG=114.51 E | $\pm 0.85km$ | | | | | | |
| | | | SMN | $M_L = 3.3$ | 0.7 | DEPTH= 10 km | | | | | | | |
| | | | SME | | 0.7 | STATIONS USED = 7, | STAND DEV = 3.29s | | | | | | |
| QZH | 3.9 | 68 | ePg | 15 49 49.5 | -1.9 | $M_L = 3.1 / 5,$ | | | | | | | |
| | | | SMN | $M_L = 3.1$ | 0.4 | GZH | 1.2 | 241 | +Pg | 19 31 24.1 | -0.5 | | |
| | | | SME | | 0.7 | | | | Sg | 19 31 42.1 | 0.5 | | |
| | | | | | | | | | SMN | $M_L = 3.4$ | 0.8 | 0.70 | |
| | | | | | | | | | SME | | 0.8 | 0.54 | |
| <p>1987 4 18</p> | | | | | | QZN | 6.4 | 224 | ePn | 19 32 37.6 | 0.6 | | |
| $O = 16\ 59\ 48.6 \pm 0.12s$ | | | | | | | | | eSn | 19 33 53.0 | 0.9 | | |
| $LAT = 22.43\ N \pm 1.78km$ | | | | | | <p>1987 4 18</p> | | | | | | | |
| $LONG = 79.26\ E \pm 1.43km$ | | | | | | $O = 20\ 48\ 27.1 \pm 0.12s$ | | | | | | | |
| $DEPTH = 32\ km \pm 0.09km$ | | | | | | $LAT = 34.54\ N \pm 1.45km$ | | | | | | | |
| STATIONS USED = 48, STAND DEV = 1.44s | | | | | | $LONG = 80.17\ E. \pm 1.46km$ | | | | | | | |
| LSA | 12.9 | 53 | -P | 17 02 49.1 | -3.9 | $DEPTH = 32\ km \pm 0.07km$ | | | | | | | |
| KSH | 17.2 | 351 | cP | 17 03 50.0 | 1.7 | STATIONS USED = 50, STAND DEV = 2.11s | | | | | | | |
| | | | cS | 17 06 58.0 | 0.7 | $M_s = 4.8 / 16, M_L = 4.7 / 1,$ | | | | | | | |
| | | | csS | 17 07 07.0 | -1.7 | KSH | 5.9 | 327 | Pn | 20 50 00.0 | 6.5 | | |
| WMQ | 22.4 | 16 | P | 17 04 47.0 | 0.6 | | | | LE | $M_s = 5.5$ | 4.0 | 22.6 | |
| | | | PMZ | | 2.0 | | | | LN | $M_s = 5.0$ | 8.0 | 4.70 | |
| | | | cS | 17 08 50.2 | 3.9 | LSA | 10.5 | 114 | +P | 20 50 58.0 | -0.9 | | |
| CD2 | 23.4 | 64 | cP | 17 04 56.4 | 0.4 | | | | LE | $M_s = 4.8$ | 15.0 | 5.36 | |
| GTA | 24.3 | 41 | -P | 17 05 05.0 | -0.1 | WMQ | 10.9 | 30 | +iP | 20 51 04.0 | -0.8 | | |
| | | | pP | 17 05 13.6 | -0.1 | | | | LN | $M_s = 4.7$ | 19.0 | 2.78 | |
| GYA | 25.2 | 75 | P | 17 05 14.2 | 0.5 | GTA | 16.4 | 67 | eP | 20 52 16.0 | -1.1 | | |
| LZH | 25.3 | 52 | cP | 17 05 15.0 | 0.6 | | | | cS | 20 55 16.0 | -2.1 | | |
| XAN | 28.5 | 60 | cP | 17 05 42.5 | -0.8 | | | | LN | $M_s = 4.7$ | 19.0 | 2.78 | |
| BTO | 31.6 | 48 | cP | 17 06 10.4 | -1.1 | LZH | 19.4 | 79 | cP | 20 52 52.0 | -1.3 | | |
| TIY | 32.3 | 54 | cP | 17 06 16.4 | -0.8 | | | | cS | 20 56 18.0 | -7.0 | | |
| TIA | 35.5 | 59 | cP | 17 06 45.1 | 0.2 | | | | LN | $M_s = 4.8$ | 10.0 | 0.92 | |
| NJ2 | 36.3 | 66 | cP | 17 06 52.0 | 0.5 | | | | LE | | 12.0 | 1.33 | |
| CN2 | 43.5 | 49 | P | 17 07 50.4 | -0.7 | CD2 | 20.2 | 94 | eP | 20 53 00.8 | -1.0 | | |
| MDJ | 46.6 | 49 | cP | 17 08 16.0 | 0.3 | | | | cS | 20 56 41.0 | -0.9 | | |
| <p>1987 4 18</p> | | | | | | | | | LN | $M_s = 4.8$ | 10.0 | 1.45 | |
| $O = 17\ 42\ 18.0 \pm 0.07s$ | | | | | | KMI | 21.7 | 110 | cP | 20 53 16.0 | -1.5 | | |
| $LAT = 23.46\ N \pm 0.79km$ | | | | | | | | | cS | 20 57 07.0 | -4.0 | | |
| $LONG = 114.65\ E \pm 0.61km$ | | | | | | | | | sS | 20 57 20.0 | -4.3 | | |
| $DEPTH = 11\ km \pm 0.50km$ | | | | | | | | | LN | $M_s = 4.5$ | 10.0 | 0.60 | |
| STATIONS USED = 8, STAND DEV = 3.19s | | | | | | XAN | 23.7 | 83 | P | 20 53 38.4 | 0.9 | | |
| $M_L = 3.3 / 6,$ | | | | | | | | | LN | $M_s = 4.8$ | 10.0 | 0.86 | |
| GZH | 1.3 | 253 | +iPg | 17 42 40.0 | -0.3 | | | | LE | | 12.0 | 0.76 | |
| | | | Sg | 17 42 58.0 | 0.5 | GYA | 24.2 | 102 | P | 20 53 42.6 | 0.8 | | |
| | | | SMN | $M_L = 3.5$ | 0.8 | | | | S | 20 58 00.8 | 6.6 | | |
| | | | SME | | 0.8 | | | | LE | $M_s = 4.6$ | 18.0 | 1.10 | |
| QZN | 6.3 | 226 | ePn | 17 43 52.0 | 0.9 | BTO | 24.3 | 67 | cP | 20 53 44.5 | 0.9 | | |
| | | | cSn | 17 45 08.0 | 2.8 | | | | cS | 20 57 59.0 | 0.6 | | |
| <p>1987 4 18</p> | | | | | | | | | LN | $M_s = 4.7$ | 11.0 | 0.60 | |
| | | | | | | | | | LE | | 11.0 | 0.60 | |

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|-----|------|-----|----|------------|------|------|--|
| TIY | 26.2 | 74 | eP | 20 54 03.0 | 2.0 | | |
| | | | eS | 20 58 34.0 | 5.1 | | |
| | | | LN | Ms=5.1 | 15.0 | 2.84 | |
| QZN | 30.5 | 113 | eP | 20 54 40.4 | 0.4 | | |
| | | | eS | 20 59 40.0 | 1.6 | | |

1987 4 18

O=20 53 41.5 ± 0.11s

LAT=13.50 N ± 1.22km

LONG=146.01 E ± 1.40km

DEPTH= 62 km ± 1.26km

STATIONS USED = 71, STAND DEV = 1.14s

Ms=5.0 / 19,

| | | | | | | | |
|-----|------|-----|----|------------|------|------|--|
| QZH | 28.2 | 298 | eP | 20 59 30.0 | -1.0 | | |
| | | | eS | 21 04 16.0 | 5.7 | | |
| | | | LN | Ms=4.8 | 12.0 | 0.58 | |
| | | | LE | | 16.0 | 1.07 | |

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|-----|------|-----|-----|------------|------|------|--|
| SSE | 28.8 | 312 | eP | 20 59 35.5 | -0.3 | | |
| | | | PP | 21 00 30.0 | 0.6 | | |
| | | | eS | 21 04 20.0 | 1.0 | | |
| | | | sS | 21 04 42.0 | -2.3 | | |
| | | | PcS | 21 06 26.0 | 0.9 | | |
| | | | LN | Ms=4.9 | 12.0 | 1.09 | |

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|-----|------|-----|----|------------|------|------|--|
| NJ2 | 31.0 | 311 | eP | 20 59 53.0 | -2.4 | | |
| | | | LN | Ms=5.0 | 13.0 | 1.30 | |

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|-----|------|-----|----|------------|------|------|--|
| GZH | 32.4 | 292 | eP | 21 00 05.0 | -2.8 | | |
| | | | S | 21 05 16.0 | 0.8 | | |
| | | | LE | Ms=4.7 | 13.0 | 0.68 | |

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|-----|------|-----|----|------------|------|------|--|
| DL2 | 33.2 | 324 | +P | 21 00 15.0 | -0.2 | | |
| | | | LE | Ms=4.6 | 12.0 | 0.43 | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|--|
| MDJ | 34.0 | 339 | eP | 21 00 21.5 | -0.5 | | |
| | | | pP | 21 00 35.3 | -1.4 | | |
| | | | PcP | 21 03 00.5 | 2.6 | | |
| | | | LE | Ms=5.0 | 15.0 | 1.51 | |

| | | | | | | | |
|-----|------|-----|----|------------|------|------|--|
| SNY | 34.3 | 330 | eP | 21 00 24.4 | 0.1 | | |
| | | | pP | 21 00 38.2 | -0.8 | | |
| | | | eS | 21 05 52.0 | 6.3 | | |
| | | | LN | Ms=5.2 | 14.0 | 1.40 | |
| | | | LE | | 16.0 | 1.39 | |

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|-----|------|-----|----|------------|------|------|--|
| TIA | 34.4 | 316 | eP | 21 00 22.5 | -2.6 | | |
| | | | LN | Ms=5.0 | 15.0 | 1.22 | |
| | | | LE | | 15.0 | 0.68 | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|--|
| CN2 | 35.0 | 334 | P | 21 00 28.5 | -1.6 | | |
| | | | pP | 21 00 42.5 | -2.3 | | |
| | | | ePP | 21 01 46.0 | -2.5 | | |
| | | | eS | 21 05 54.0 | -2.1 | | |
| | | | LE | Ms=5.1 | 15.0 | 1.60 | |

| | | | | | | | |
|-----|------|-----|-----|------------|-----|--|--|
| BJI | 37.2 | 321 | eP | 21 00 49.5 | 0.6 | | |
| | | | PcP | 21 03 09.0 | 1.8 | | |

| | | | | | | | |
|-----|------|-----|----|------------|-----|--|--|
| TIY | 38.4 | 315 | eP | 21 00 59.0 | 0.2 | | |
|-----|------|-----|----|------------|-----|--|--|

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|--|--|--|----|------------|------|------|--|
| | | | sP | 21 01 22.0 | 1.8 | | |
| | | | S | 21 06 52.0 | 4.8 | | |
| | | | LN | Ms=5.2 | 14.0 | 0.65 | |
| | | | LE | | 17.0 | 1.80 | |

| | | | | | | | |
|-----|------|-----|----|------------|-----|--|--|
| GYA | 39.0 | 295 | P | 21 01 05.6 | 1.5 | | |
| XAN | 39.3 | 308 | P | 21 01 06.6 | 0.0 | | |
| HHC | 40.6 | 319 | eP | 21 01 18.0 | 1.0 | | |

| | | | | | | | |
|--|--|--|----|------------|------|------|--|
| | | | pP | 21 01 33.0 | 1.3 | | |
| | | | S | 21 07 22.0 | 1.8 | | |
| | | | LN | Ms=5.2 | 20.0 | 1.77 | |
| | | | LE | | 18.0 | 1.03 | |

| | | | | | | | |
|-----|------|-----|----|------------|------|------|--|
| BTO | 41.4 | 317 | +P | 21 01 25.5 | 1.3 | | |
| | | | sP | 21 01 47.0 | 1.3 | | |
| | | | eS | 21 07 39.0 | 4.6 | | |
| | | | LN | Ms=4.9 | 14.0 | 0.60 | |
| | | | LE | | 15.0 | 0.50 | |

| | | | | | | | |
|-----|------|-----|----|------------|-----|--|--|
| KMI | 42.3 | 293 | eP | 21 01 32.5 | 1.3 | | |
| CD2 | 42.5 | 301 | eP | 21 01 34.8 | 2.0 | | |
| LZH | 43.9 | 308 | eP | 21 01 45.0 | 0.3 | | |
| GTA | 48.1 | 311 | P | 21 02 17.5 | 0.2 | | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|--|
| | | | LE | Ms=4.8 | 13.0 | 0.46 | |
| LSA | 53.0 | 297 | -iP | 21 02 55.2 | -0.2 | | |
| WMQ | 58.0 | 313 | P | 21 03 31.5 | 0.7 | | |
| | | | PMZ | | 2.0 | 0.10 | |

| | | | | | | | |
|--|--|--|-----|------------|-----|--|--|
| | | | PcP | 21 04 21.2 | 0.4 | | |
|--|--|--|-----|------------|-----|--|--|

1987 4 18

O=21 22 45.3 ± 0.13s

LAT=23.96 N ± 1.84km

LONG=121.80 E ± 1.91km

DEPTH= 26 km ± 0.55km

STATIONS USED = 28, STAND DEV = 2.34s

M_L=3.9 / 12,

| | | | | | | | |
|-----|-----|-----|-----|---------------------|------|------|--|
| QZH | 3.1 | 289 | +Pn | 21 23 33.1 | 0.3 | | |
| | | | Sn | 21 24 05.6 | -4.9 | | |
| | | | SMN | M _L =3.6 | 0.3 | 0.23 | |
| | | | SME | | 0.3 | 0.24 | |

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|-----|-----|-----|-----|---------------------|-----|-------|--|
| SSE | 7.1 | 356 | eP | 21 24 31.3 | 0.6 | | |
| | | | SMN | M _L =3.9 | 1.2 | 0.020 | |
| | | | SME | | 1.2 | 0.070 | |

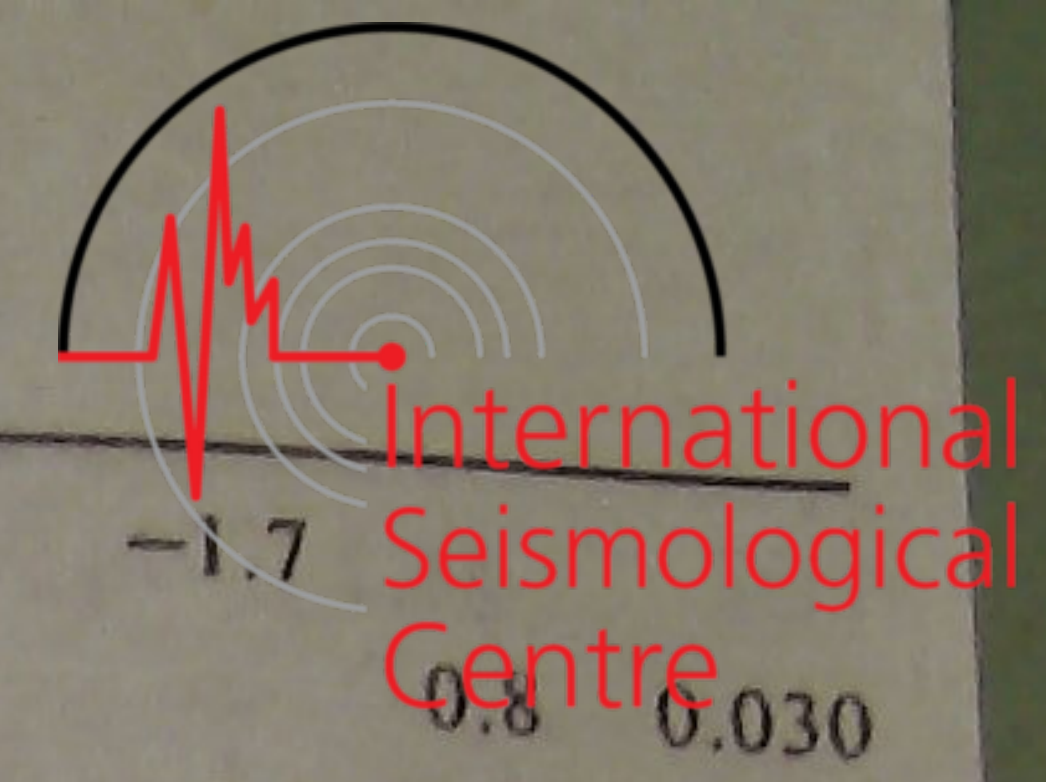
| | | | | | | | |
|-----|-----|-----|-----|---------------------|------|------|--|
| GZH | 7.8 | 265 | eP | 21 24 40.0 | -0.2 | | |
| | | | SME | M _L =4.5 | 1.0 | 0.14 | |

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|-----|------|-----|---|------------|------|--|--|
| WHN | 9.3 | 316 | P | 21 25 01.7 | 0.5 | | |
| GYA | 13.9 | 283 | P | 21 26 03.0 | -0.6 | | |
| | | | S | 21 28 31.0 | -6.8 | | |

| | | | | | | | |
|-----|------|-----|----|------------|-----|--|--|
| XAN | 15.1 | 315 | eP | 21 26 23.0 | 4.3 | | |
| TIY | 15.9 | 332 | eP | 21 26 34.7 | 5.6 | | |
| CD2 | 17.4 | 297 | eP | 21 26 53.0 | 4.3 | | |

1987 4 19

April, 1987



O=03 10 21.7 ± 0.10s
 LAT=29.92 N ± 1.82km
 LONG=141.82 E ± 2.50km
 DEPTH= 41 km ± 0.56km
 STATIONS USED = 16, STAND DEV= 2.46s
 CN2 19.0 321 eP 03 14 44.0 0.9

1987 4 19

O=14 52 41.5 ± 0.11s
 LAT= 2.96 S ± 1.50km
 LONG=129.56 E ± 2.41km
 DEPTH= 47 km ± 0.26km
 STATIONS USED = 36, STAND DEV= 1.71s

Ms=4.4/ 2,

| | | | | | |
|-----|------|-----|----|------------|-----------|
| QZN | 29.2 | 319 | eP | 14 58 40.2 | -1.1 |
| | | | eS | 15 03 28.0 | -1.0 |
| GYA | 36.7 | 324 | P | 14 59 47.4 | 1.2 |
| KMI | 38.2 | 319 | eP | 15 00 00.0 | 1.3 |
| CD2 | 41.7 | 326 | eP | 15 00 27.9 | 0.0 |
| TIY | 43.5 | 340 | eP | 15 00 42.8 | 0.4 |
| | | | LN | Ms=4.4 | 15.0 0.22 |
| BJI | 44.5 | 345 | P | 15 00 51.5 | 0.8 |
| LZH | 45.7 | 331 | eP | 15 01 00.5 | 0.4 |
| CN2 | 46.7 | 356 | eP | 15 01 13.0 | 5.0 |
| | | | sP | 15 01 23.0 | -2.1 |
| | | | LN | Ms=4.4 | 20.0 0.30 |
| MDJ | 47.4 | 0 | eP | 15 01 17.0 | 3.8 |
| WMQ | 59.8 | 326 | P | 15 02 44.2 | -0.7 |

1987 4 20

O=08 21 52.1 ± 0.08s
 LAT=42.02 N ± 1.64km
 LONG=142.69 E ± 1.15km
 DEPTH= 80 km ± 0.75km

STATIONS USED = 22, STAND DEV= 1.64s

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 9.9 | 290 | -P | 08 24 17.7 | 4.0 |
| BJI | 20.1 | 273 | eP | 08 26 19.0 | -2.8 |
| XAN | 27.6 | 264 | eP | 08 27 32.4 | -2.3 |

1987 4 20

O=09 31 38.7 ± 0.15s
 LAT=21.85 S ± 1.96km
 LONG=179.02 W ± 2.91km
 DEPTH=594 km ± 0.83km

STATIONS USED = 75, STAND DEV= 1.46s

| | | | | | |
|-----|------|-----|-----|------------|----------|
| | | | | ms=5.4/ 11 | |
| QZH | 76.4 | 304 | -iP | 09 42 30.0 | 0.2 |
| | | | iS | 09 51 27.0 | -1.5 |
| | | | SMN | ms=5.4 | 7.0 0.59 |
| | | | ScS | 09 51 47.5 | -0.9 |

| | | | | | | | |
|-----|------|-----|------|------------|------|------|-----------|
| SSE | 77.8 | 311 | eP | 09 42 36.0 | -1.7 | | |
| | | | PMZ | | | | 0.8 0.030 |
| | | | S | 09 51 42.0 | -0.3 | | |
| | | | SKS | 09 51 54.0 | 3.0 | | |
| GZH | 79.6 | 300 | -iP | 09 42 48.0 | 1.2 | | |
| | | | iS | 09 52 04.0 | 2.4 | | |
| NJ2 | 80.0 | 310 | -P | 09 42 49.0 | -0.2 | | |
| | | | S | 09 52 05.5 | 0.9 | | |
| | | | SMN | ms=5.6 | | 8.0 | 0.90 |
| QZN | 80.5 | 295 | P | 09 42 52.0 | 0.1 | | |
| | | | cS | 09 52 12.0 | 0.3 | | |
| MDJ | 81.1 | 326 | -iP | 09 42 54.5 | -0.2 | | |
| | | | epP | 09 44 55.0 | -4.5 | | |
| | | | S | 09 52 14.0 | -1.3 | | |
| | | | SMN | ms=5.7 | | 8.0 | 1.10 |
| DL2 | 82.1 | 317 | eP | 09 42 59.0 | -0.7 | | |
| WHN | 82.5 | 307 | -iP | 09 43 02.2 | 0.4 | | |
| | | | SKS | 09 52 24.0 | 0.5 | | |
| | | | S | 09 52 26.0 | -3.1 | | |
| | | | SMN | ms=5.2 | | 10.0 | 0.50 |
| SNY | 82.6 | 321 | -iP | 09 43 02.0 | -0.5 | | |
| | | | SKS | 09 52 23.0 | -1.6 | | |
| | | | S | 09 52 35.0 | 4.4 | | |
| CN2 | 82.8 | 323 | -iP | 09 43 02.0 | -1.3 | | |
| | | | PMZ | ms=5.5 | | 4.0 | 0.70 |
| | | | pP | 09 45 07.0 | -1.8 | | |
| | | | cS | 09 52 32.0 | -1.8 | | |
| | | | SMN | ms=5.6 | | 7.0 | 0.70 |
| | | | SME | | | 7.0 | 0.40 |
| TIA | 83.5 | 313 | -P | 09 43 06.9 | 0.1 | | |
| | | | esP | 09 46 10.0 | -0.7 | | |
| | | | SKS | 09 52 30.0 | -0.4 | | |
| | | | SMN | ms=5.4 | | 11.0 | 0.60 |
| | | | SME | | | 11.0 | 0.49 |
| BJI | 86.2 | 316 | eP | 09 43 19.5 | -0.3 | | |
| | | | cSKS | 09 52 48.0 | -0.1 | | |
| | | | cS | 09 53 08.0 | 2.1 | | |
| | | | SME | ms=5.3 | | 7.5 | 0.28 |
| GYA | 86.5 | 300 | -P | 09 43 21.0 | -0.4 | | |
| | | | SKS | 09 52 51.0 | 0.9 | | |
| | | | S | 09 53 12.0 | 5.0 | | |
| TIY | 87.5 | 312 | -iP | 09 43 26.0 | 0.0 | | |
| XAN | 88.2 | 308 | -iP | 09 43 30.9 | 1.5 | | |
| | | | SKS | 09 53 03.4 | 2.7 | | |
| | | | S | 09 53 28.9 | 6.3 | | |
| BTO | 90.5 | 314 | -P | 09 43 40.0 | -0.2 | | |
| | | | SKS | 09 53 15.0 | 0.6 | | |
| | | | S | 09 53 45.0 | 1.8 | | |
| CD2 | 90.7 | 303 | eP | 09 43 41.6 | 0.5 | | |
| | | | SKS | 09 53 14.7 | -0.8 | | |

| | | | | | | | |
|-----|------|-----|------|------------|------|-----|-------|
| LZH | 92.8 | 308 | -iP | 09 43 51.5 | 0.6 | | |
| | | | PMZ | | | 1.0 | 0.080 |
| | | | eSKS | 09 53 25.0 | -2.2 | | |
| GTA | 97.1 | 310 | -P | 09 44 09.2 | -0.8 | | |

1987 4 20
 O = 09 31 58.3 ± 0.10s
 LAT = 6.97 S ± 2.35km
 LONG = 120.39 E ± 2.67km
 DEPTH = 471 km ± 1.33km
 STATIONS USED = 12, STAND DEV = 2.47s

| | | | | | | | |
|-----|------|-----|----|------------|------|--|--|
| QZN | 27.8 | 338 | eP | 09 37 12.2 | 1.7 | | |
| XAN | 42.2 | 346 | P | 09 39 11.9 | 1.4 | | |
| BJI | 46.9 | 356 | eP | 09 39 42.5 | -4.9 | | |

1987 4 20
 O = 10 09 09.0 ± 0.08s
 LAT = 37.47 N ± 1.73km
 LONG = 141.60 E ± 1.66km
 DEPTH = 57 km ± 1.68km
 STATIONS USED = 78, STAND DEV = 1.66s

Ms = 4.1 / 6,

| | | | | | | | |
|-----|------|-----|-----|------------|------|------|-------|
| MDJ | 11.5 | 312 | -P | 10 11 55.6 | 2.0 | | |
| CN2 | 13.8 | 302 | eP | 10 12 23.0 | -0.6 | | |
| | | | epP | 10 12 30.0 | -3.2 | | |
| | | | eS | 10 14 53.0 | -2.0 | | |
| | | | LN | Ms = 4.0 | 12.0 | 0.40 | |
| | | | LE | | 12.0 | 0.30 | |
| SNY | 14.6 | 293 | +P | 10 12 34.0 | 0.6 | | |
| DL2 | 15.8 | 281 | eP | 10 12 51.0 | 1.8 | | |
| SSE | 18.0 | 255 | eP | 10 13 17.5 | 0.3 | | |
| | | | PMZ | | | 1.0 | 0.040 |
| | | | sP | 10 13 33.0 | -2.0 | | |
| | | | PP | 10 13 26.0 | -6.0 | | |
| | | | eS | 10 16 31.0 | -1.5 | | |
| | | | eSS | 10 16 58.0 | 1.8 | | |
| | | | LN | Ms = 4.1 | 20.0 | 0.60 | |
| NJ2 | 19.4 | 261 | +P | 10 13 32.5 | -1.2 | | |
| | | | pP | 10 13 46.5 | 1.4 | | |
| TIA | 19.6 | 274 | P | 10 13 34.1 | -1.7 | | |
| BJI | 20.0 | 285 | eP | 10 13 37.0 | -2.6 | | |
| TIY | 23.1 | 280 | eP | 10 14 09.7 | -1.1 | | |
| | | | eS | 10 18 06.5 | -6.9 | | |
| | | | LE | *Ms = 4.4 | 16.0 | 0.76 | |
| WHN | 23.6 | 261 | eP | 10 14 16.0 | 0.5 | | |
| BTO | 24.7 | 287 | eP | 10 14 24.0 | -2.2 | | |
| | | | epP | 10 14 36.0 | -3.3 | | |
| | | | eS | 10 18 40.0 | -0.9 | | |
| XAN | 26.7 | 273 | +P | 10 14 44.3 | -0.6 | | |
| GZH | 28.2 | 247 | iP | 10 14 59.8 | 1.3 | | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|-----|-------|
| LZH | 30.1 | 279 | eP | 10 15 16.0 | -0.3 | | |
| | | | PMZ | | | 1.0 | 0.070 |
| GYA | 31.4 | 260 | P | 10 15 26.2 | -1.6 | | |
| CD2 | 31.8 | 270 | eP | 10 15 30.2 | -0.8 | | |
| GTA | 32.6 | 287 | P | 10 15 36.4 | -1.3 | | |
| QZN | 33.2 | 245 | eP | 10 15 45.2 | 1.9 | | |
| WMQ | 40.8 | 296 | -iP | 10 16 48.6 | 1.8 | | |
| LSA | 42.3 | 275 | P | 10 17 01.0 | 1.1 | | |
| KSH | 50.4 | 294 | P | 10 18 05.0 | 1.8 | | |

1987 4 20
 O = 12 43 12.2 ± 0.10s
 LAT = 4.80 N ± 1.78km
 LONG = 94.47 E ± 1.21km
 DEPTH = 64 km ± 0.23km
 STATIONS USED = 23, STAND DEV = 1.11s

| | | | | | | | |
|-----|------|-----|-----|------------|------|--|--|
| QZN | 20.6 | 45 | eP | 12 47 49.5 | 0.8 | | |
| GYA | 24.5 | 27 | P | 12 48 27.0 | 0.0 | | |
| LSA | 25.0 | 353 | -P | 12 48 31.5 | -0.4 | | |
| CD2 | 27.4 | 18 | P | 12 48 52.8 | -1.3 | | |
| XAN | 32.0 | 23 | -P | 12 49 33.9 | -1.4 | | |
| GTA | 34.8 | 7 | -iP | 12 49 58.5 | -0.7 | | |
| NJ2 | 35.4 | 37 | eP | 12 50 05.2 | 0.6 | | |
| BJI | 40.2 | 26 | eP | 12 50 45.5 | 1.4 | | |
| CN2 | 47.5 | 30 | P | 12 51 42.0 | -1.0 | | |

1987 4 20
 O = 17 17 14.6 ± 0.11s
 LAT = 21.74 N ± 1.21km
 LONG = 120.32 E ± 1.57km
 DEPTH = 45 km ± 0.81km
 STATIONS USED = 28, STAND DEV = 2.05s

Ms = 3.7 / 10,

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------|--|
| QZH | 3.6 | 334 | eP | 17 18 07.7 | -1.3 | | |
| | | | S | 17 18 45.3 | -4.0 | | |
| | | | SMN | Ms = 3.3 | 0.2 | 0.090 | |
| | | | SME | | 0.2 | 0.090 | |
| GZH | 6.6 | 283 | +P | 17 18 51.1 | -0.5 | | |
| | | | S | 17 20 01.2 | -4.3 | | |
| | | | SMN | Ms = 4.1 | 0.9 | 0.14 | |
| | | | SME | | 0.9 | 0.080 | |
| QZN | 10.2 | 257 | eP | 17 19 41.5 | 0.0 | | |
| | | | eS | 17 21 31.8 | -3.1 | | |
| GYA | 13.3 | 293 | P | 17 20 23.6 | -0.2 | | |
| | | | S | 17 22 48.6 | -1.7 | | |
| CD2 | 17.4 | 305 | eP | 17 21 19.2 | 3.0 | | |
| BJI | 18.6 | 350 | eP | 17 21 32.0 | 1.6 | | |

1987 4 21
 O = 01 52 37.9 ± 0.04s

LAT = 2.63 N ± 0.89km
 LONG = 126.89 E ± 1.82km
 DEPTH = 33 km ± 0.04km
 STATIONS USED = 12, STAND DEV = 1.04s
 BJI 38.5 347 cP 02 00 00.0 0.9

1987 4 21

O = 03 37 36.9 ± 0.06s
 LAT = 10.20 S ± 1.28km
 LONG = 161.26 E ± 1.73km
 DEPTH = 101 km ± 0.96km
 STATIONS USED = 52, STAND DEV = 1.01s

| | | | | | |
|-----|------|-----|----|------------|------|
| NJ2 | 58.4 | 318 | +P | 03 47 24.4 | -0.1 |
| QZN | 58.4 | 300 | cP | 03 47 20.6 | -4.2 |
| MDJ | 61.6 | 335 | -P | 03 47 46.4 | -0.3 |
| CN2 | 62.8 | 332 | -P | 03 47 54.0 | -0.8 |
| | | | pP | 03 48 17.5 | -2.0 |
| GYA | 64.3 | 306 | P | 03 48 04.4 | -0.3 |
| BJI | 65.1 | 323 | cP | 03 48 09.5 | -0.1 |
| XAN | 66.3 | 314 | -P | 03 48 17.0 | -0.5 |
| | | | pP | 03 48 40.0 | -2.4 |
| KMI | 66.9 | 303 | cP | 03 48 22.0 | 0.5 |
| CD2 | 68.6 | 309 | cP | 03 48 31.2 | -0.6 |
| BTO | 69.2 | 321 | cP | 03 48 35.0 | -0.4 |
| LZH | 71.0 | 314 | cP | 03 48 45.0 | -1.2 |
| GTA | 75.3 | 315 | -P | 03 49 12.4 | 0.7 |
| | | | pP | 03 49 35.9 | -1.0 |
| WMQ | 85.4 | 316 | P | 03 50 06.0 | 0.9 |
| | | | pP | 03 50 29.8 | -1.0 |

1987 4 21

O = 12 55 07.9 ± 0.13s
 LAT = 1.25 S ± 1.87km
 LONG = 149.85 E ± 3.32km
 DEPTH = 34 km ± 0.84km
 STATIONS USED = 11, STAND DEV = 3.47s

| | | | | | |
|-----|------|-----|----|------------|------|
| XAN | 52.0 | 316 | cP | 13 04 12.3 | -4.5 |
| CD2 | 54.2 | 310 | cP | 13 04 36.8 | 3.8 |

1987 4 21

O = 14 12 02.4 ± 0.04s
 LAT = 8.22 S ± 0.69km
 LONG = 116.40 E ± 0.98km
 DEPTH = 179 km ± 0.19km
 STATIONS USED = 20, STAND DEV = 0.90s

| | | | | | |
|-----|------|-----|----|------------|------|
| NJ2 | 40.1 | 3 | +P | 14 19 23.4 | 1.0 |
| CD2 | 40.8 | 343 | P | 14 19 27.8 | 0.0 |
| XAN | 42.6 | 351 | cP | 14 19 42.0 | -1.0 |
| BJI | 48.0 | 360 | cP | 14 20 24.0 | -1.6 |

1987 4 21

O = 14 17 13.6 ± 0.13s
 LAT = 40.62 N ± 0.47km
 LONG = 87.24 E ± 0.56km
 DEPTH = 25 km ± 1.09km
 STATIONS USED = 8, STAND DEV = 2.59s

$M_L = 3.7 / 8,$

| | | | | | |
|-----|-----|---|-----|-------------|----------|
| WMQ | 3.2 | 6 | Pn | 14 18 04.9 | 1.8 |
| | | | Pg | 14 18 09.8 | -0.6 |
| | | | Sn | 14 18 38.6 | -3.5 |
| | | | SMN | $M_L = 3.6$ | 0.8 0.23 |
| | | | SME | | 0.6 0.14 |

1987 4 21

O = 14 58 19.5 ± 0.09s
 LAT = 36.28 N ± 1.35km
 LONG = 71.05 E ± 1.35km
 DEPTH = 36 km ± 0.20km
 STATIONS USED = 32, STAND DEV = 2.07s

$M_L = 4.8 / 1,$

| | | | | | |
|-----|------|-----|----|------------|------|
| WMQ | 14.8 | 54 | cP | 15 01 48.9 | 0.7 |
| LSA | 18.1 | 106 | P | 15 02 29.1 | -1.2 |
| GTA | 22.9 | 73 | P | 15 03 22.1 | 0.6 |
| GYA | 31.8 | 98 | P | 15 04 40.8 | -2.6 |

1987 4 21

O = 15 28 43.5 ± 0.09s
 LAT = 22.75 S ± 1.66km
 LONG = 170.26 E ± 2.41km
 DEPTH = 43 km ± 0.98km
 STATIONS USED = 94, STAND DEV = 1.08s

$M_s = 5.8 / 34,$ $m_B = 6.3 / 51$

| | | | | | |
|-----|------|-----|-----|-------------|-----------|
| QZH | 69.0 | 310 | -iP | 15 39 47.5 | 0.4 |
| | | | PMZ | $m_B = 6.3$ | 6.0 2.54 |
| | | | sP | 15 40 05.0 | 1.6 |
| | | | iS | 15 48 50.0 | 2.6 |
| | | | SME | $m_B = 6.5$ | 9.0 4.72 |
| | | | ScS | 15 49 46.0 | 6.8 |
| | | | LN | $M_s = 5.4$ | 12.0 0.78 |
| SSE | 71.3 | 317 | P | 15 40 00.0 | -0.9 |
| | | | PMZ | | 1.4 0.32 |
| | | | PcP | 15 40 20.0 | 0.2 |
| | | | SS | 15 53 49.0 | -0.3 |
| | | | LN | $M_s = 5.9$ | 17.0 1.14 |
| | | | LE | | 19.0 3.44 |
| GZH | 71.7 | 306 | -iP | 15 40 04.8 | 1.3 |
| | | | PMZ | $m_B = 6.2$ | 9.0 2.86 |
| | | | LE | $M_s = 5.6$ | 20.0 2.25 |
| QZN | 72.1 | 300 | -P | 15 40 07.5 | 1.3 |
| | | | PMZ | $m_B = 6.2$ | 8.5 2.70 |

| | | | | | | | | | | | | | |
|-----|------|-----|-----|------------|------|------|-----|----------|-----|------------|------|------|--|
| | | | sP | 15 40 25.0 | 2.5 | | | | ScS | 15 50 59.0 | 3.0 | | |
| | | | SME | $m_B=6.2$ | 10.0 | 2.50 | | | LE | $M_s=5.7$ | 20.0 | 2.50 | |
| | | | LE | $M_s=5.7$ | 17.0 | 2.20 | BJI | 80.2 321 | -P | 15 40 52.0 | -0.1 | | |
| NJ2 | 73.4 | 316 | -P | 15 40 13.8 | 0.3 | | | | PMZ | $m_B=6.2$ | 5.0 | 1.55 | |
| | | | PMZ | $m_B=6.4$ | 5.0 | 2.70 | | | SME | $m_B=6.6$ | 8.0 | 4.12 | |
| | | | S | 15 49 43.0 | 6.1 | | | | LN | $M_s=5.6$ | 18.0 | 1.72 | |
| | | | SME | $m_B=6.1$ | 9.0 | 1.60 | KMI | 80.9 302 | -iP | 15 40 58.0 | 2.0 | | |
| WHN | 75.4 | 312 | -iP | 15 40 24.5 | -0.7 | | | | PMZ | | 3.0 | 2.80 | |
| | | | PMZ | | 1.2 | 0.23 | | | SKS | 15 51 06.0 | 1.2 | | |
| | | | sP | 15 40 42.0 | 0.5 | | | | LE | $M_s=5.9$ | 20.0 | 3.30 | |
| | | | ePP | 15 43 14.0 | -1.5 | | TIY | 81.0 317 | -iP | 15 40 56.0 | -0.4 | | |
| | | | iS | 15 50 04.0 | 3.0 | | | | PMZ | | 1.4 | 0.28 | |
| | | | LE | $M_s=5.5$ | 14.0 | 0.97 | | | pP | 15 41 03.0 | -4.8 | | |
| DL2 | 76.4 | 323 | -iP | 15 40 31.0 | 0.2 | | | | SKS | 15 51 10.5 | 4.9 | | |
| | | | PMZ | $m_B=6.3$ | 8.0 | 3.39 | | | SME | $m_B=6.6$ | 9.0 | 3.89 | |
| | | | pP | 15 40 41.0 | -1.2 | | | | LE | $M_s=5.7$ | 16.0 | 1.79 | |
| | | | cS | 15 50 13.0 | 1.4 | | XAN | 81.2 312 | -P | 15 40 56.9 | -0.2 | | |
| | | | SME | $m_B=6.4$ | 10.0 | 2.95 | | | PMZ | $m_B=6.4$ | 8.0 | 3.57 | |
| | | | LN | $M_s=5.8$ | 16.0 | 2.57 | | | PP | 15 44 02.9 | -0.7 | | |
| MDJ | 76.6 | 331 | -iP | 15 40 32.0 | -0.3 | | | | S | 15 51 06.9 | 5.9 | | |
| | | | pP | 15 40 46.0 | 2.3 | | | | SMN | $m_B=6.7$ | 6.0 | 0.84 | |
| | | | sP | 15 40 50.3 | 1.8 | | | | SME | | 8.0 | 4.16 | |
| | | | SME | $m_B=6.4$ | 12.0 | 4.10 | | | LN | $M_s=5.9$ | 15.0 | 1.20 | |
| TIA | 77.2 | 318 | eP | 15 40 34.4 | -1.0 | | | | LE | | 16.0 | 2.57 | |
| | | | PMZ | $m_B=6.3$ | 8.5 | 3.52 | CD2 | 83.1 307 | -iP | 15 41 07.9 | 0.8 | | |
| | | | S | 15 50 22.0 | 3.1 | | | | S | 15 51 27.0 | 6.3 | | |
| | | | SMN | $m_B=6.2$ | 11.0 | 0.80 | | | LE | $M_s=5.9$ | 17.0 | 2.49 | |
| | | | SMF | | 9.0 | 1.49 | HHC | 83.5 319 | -iP | 15 41 10.0 | 0.9 | | |
| | | | LN | $M_s=6.1$ | 17.0 | 3.67 | | | PMZ | $m_B=6.4$ | 4.0 | 1.75 | |
| | | | LE | | 15.0 | 2.55 | | | PP | 15 44 22.0 | 0.0 | | |
| SNY | 77.4 | 326 | -iP | 15 40 36.0 | -0.6 | | | | LN | $M_s=5.5$ | 10.0 | 0.60 | |
| | | | PMZ | $m_B=6.2$ | 9.0 | 2.70 | BTO | 84.3 318 | -iP | 15 41 14.0 | 1.0 | | |
| | | | SMN | $m_B=6.6$ | 11.0 | 1.78 | | | sP | 15 41 32.0 | 2.8 | | |
| | | | SME | | 11.0 | 4.68 | | | ePP | 15 44 33.0 | 4.7 | | |
| | | | SS | 15 55 28.0 | 4.6 | | | | SKS | 15 51 32.0 | 4.1 | | |
| | | | LN | $M_s=5.9$ | 32.0 | 5.00 | | | S | 15 51 37.0 | 4.7 | | |
| | | | LE | | 32.0 | 2.99 | | | SMN | $m_B=6.3$ | 10.0 | 0.90 | |
| CN2 | 77.9 | 329 | -iP | 15 40 38.8 | -0.7 | | | | SME | | 10.0 | 2.10 | |
| | | | PMZ | $m_B=6.2$ | 5.0 | 1.80 | | | LN | $M_s=5.7$ | 19.0 | 1.70 | |
| | | | pP | 15 40 51.0 | 0.0 | | | | LE | | 19.0 | 1.20 | |
| | | | S | 15 50 29.0 | 2.0 | | LZH | 85.8 312 | -iP | 15 41 21.5 | 1.0 | | |
| | | | SME | $m_B=6.4$ | 8.0 | 2.50 | | | PMZ | | 1.5 | 0.86 | |
| | | | SS | 15 55 35.0 | 3.8 | | | | S | 15 51 48.0 | 1.0 | | |
| GYA | 78.6 | 305 | -P | 15 40 42.8 | -0.5 | | | | SME | $m_B=6.5$ | 8.0 | 4.24 | |
| | | | PMZ | $m_B=6.4$ | 5.0 | 2.60 | | | LE | $M_s=5.6$ | 20.0 | 1.60 | |
| | | | pP | 15 40 56.0 | 1.3 | | GTA | 90.2 313 | -iP | 15 41 43.0 | 1.2 | | |
| | | | PP | 15 43 48.0 | 6.1 | | | | PMZ | $m_B=6.4$ | 5.0 | 1.20 | |
| | | | S | 15 50 40.0 | 5.9 | | | | pP | 15 41 49.5 | -3.8 | | |
| | | | SME | $m_B=6.2$ | 10.0 | 1.70 | | | PP | 15 45 15.0 | -1.6 | | |
| | | | sS | 15 50 50.0 | -5.2 | | | | SKS | 15 52 12.0 | 6.2 | | |

| | | | | | | | | | | |
|---------------------------------------|-------------|------|-------|--|--|--|--|-----------------|---------------------|-------------------|
| S | 15 52 34.0 | 5.4 | | | | | | | LAT = 36.89 N | ± 2.04km |
| SME | $m_B = 5.7$ | 12.0 | 0.90 | | | | | | LONG = 141.72 E | ± 1.15km |
| SS | 15 58 35.0 | 2.8 | | | | | | | DEPTH = 61 km | ± 0.67km |
| LE | $M_S = 5.8$ | 17.0 | 1.75 | | | | | | STATIONS USED = 21, | STAND DEV = 1.57s |
| LSA 92.2 301 P | 15 41 50.5 | -0.7 | | | | | | MDJ 12.0 314 cP | 02 14 04.5 | 3.4 |
| SKS | 15 52 24.0 | 6.9 | | | | | | BJI 20.2 287 cP | 02 15 44.0 | 0.7 |
| SME | $m_B = 6.0$ | 6.0 | 0.89 | | | | | XAN 26.8 274 cP | 02 16 47.3 | 0.1 |
| WMQ 100.3 313 -iP | 15 42 28.2 | 0.4 | | | | | | | | |
| eSKS | 15 53 05.0 | 4.8 | | | | | | | | |
| S | 15 53 49.0 | -5.9 | | | | | | | | |
| sS | 15 54 11.0 | -5.6 | | | | | | | | |
| LN | $M_S = 6.1$ | 16.0 | 3.16 | | | | | | | |
| 1987 4 21 | | | | | | | | | | |
| O = 17 20 39.4 ± 0.16s | | | | | | | | | | |
| LAT = 39.57 N ± 1.73km | | | | | | | | | | |
| LONG = 118.51 E ± 0.94km | | | | | | | | | | |
| DEPTH = 17 km | | | | | | | | | | |
| STATIONS USED = 16, STAND DEV = 2.68s | | | | | | | | | | |
| $M_L = 3.4 / 15,$ | | | | | | | | | | |
| BJI 1.9 285 ePg | 17 21 10.5 | -1.8 | | | | | | | | |
| Sg | 17 21 35.5 | -2.2 | | | | | | | | |
| SMN | $M_L = 2.9$ | 0.5 | 0.11 | | | | | | | |
| SME | | 0.5 | 0.13 | | | | | | | |
| DL2 2.5 104 ePn | 17 21 18.8 | -1.2 | | | | | | | | |
| Pg | 17 21 25.2 | 1.4 | | | | | | | | |
| eSg | 17 22 00.0 | 1.8 | | | | | | | | |
| SMN | $M_L = 3.1$ | 0.6 | 0.15 | | | | | | | |
| SME | | 0.6 | 0.080 | | | | | | | |
| TIA 3.5 198 ePg | 17 21 41.7 | -0.1 | | | | | | | | |
| Sg | 17 22 30.3 | 0.4 | | | | | | | | |
| SMN | $M_L = 3.0$ | 0.4 | 0.040 | | | | | | | |
| SME | | 0.4 | 0.040 | | | | | | | |
| TIY 5.1 251 ePn | 17 21 59.5 | 3.8 | | | | | | | | |
| Pg | 17 22 11.4 | 1.9 | | | | | | | | |
| Sg | 17 23 17.9 | -1.3 | | | | | | | | |
| SMN | $M_L = 3.4$ | 0.6 | 0.030 | | | | | | | |
| SME | | 0.7 | 0.050 | | | | | | | |
| BTO 6.6 282 ePg | 17 22 37.1 | 1.1 | | | | | | | | |
| eSg | 17 24 01.4 | -4.4 | | | | | | | | |
| SMN | $M_L = 3.3$ | 0.6 | 0.020 | | | | | | | |
| SME | | 0.6 | 0.010 | | | | | | | |
| CN2 6.7 49 ePg | 17 22 43.6 | 5.9 | | | | | | | | |
| eSn | 17 23 40.0 | 4.2 | | | | | | | | |
| eSg | 17 24 03.0 | -6.2 | | | | | | | | |
| SMN | $M_L = 3.7$ | 1.0 | 0.030 | | | | | | | |
| SME | | 1.0 | 0.040 | | | | | | | |
| 1987 4 22 | | | | | | | | | | |
| O = 02 11 10.5 ± 0.07s | | | | | | | | | | |
| LAT = 36.89 N ± 2.04km | | | | | | | | | | |
| LONG = 141.72 E ± 1.15km | | | | | | | | | | |
| DEPTH = 61 km ± 0.67km | | | | | | | | | | |
| STATIONS USED = 21, STAND DEV = 1.57s | | | | | | | | | | |
| MDJ 12.0 314 cP | | | | | | | | | | |
| BJI 20.2 287 cP | | | | | | | | | | |
| XAN 26.8 274 cP | | | | | | | | | | |
| 1987 4 22 | | | | | | | | | | |
| O = 09 02 32.0 ± 0.11s | | | | | | | | | | |
| LAT = 40.40 N ± 1.25km | | | | | | | | | | |
| LONG = 122.19 E ± 1.09km | | | | | | | | | | |
| DEPTH = 25 km | | | | | | | | | | |
| STATIONS USED = 5, STAND DEV = 4.91s | | | | | | | | | | |
| $M_L = 3.0 / 5,$ | | | | | | | | | | |
| DL2 1.6 196 cPg | 09 03 00.0 | 0.2 | | | | | | | | |
| cSg | 09 03 22.3 | 1.1 | | | | | | | | |
| SMN | $M_L = 3.1$ | 0.5 | 0.13 | | | | | | | |
| SME | | 0.5 | 0.31 | | | | | | | |
| SNY 1.8 36 +iPg | 09 03 03.4 | -0.2 | | | | | | | | |
| Sg | 09 03 25.6 | -2.3 | | | | | | | | |
| SMN | $M_L = 2.9$ | 0.4 | 0.16 | | | | | | | |
| SME | | 0.4 | 0.090 | | | | | | | |
| 1987 4 22 | | | | | | | | | | |
| O = 14 26 52.3 ± 0.05s | | | | | | | | | | |
| LAT = 3.82 S ± 0.63km | | | | | | | | | | |
| LONG = 135.58 E ± 1.26km | | | | | | | | | | |
| DEPTH = 32 km ± 0.11km | | | | | | | | | | |
| STATIONS USED = 19, STAND DEV = 1.19s | | | | | | | | | | |
| XAN 45.3 328 cP | 14 35 08.4 | -0.9 | | | | | | | | |
| TIY 46.6 335 cP | 14 35 20.1 | 0.5 | | | | | | | | |
| BJI 47.1 340 cP | 14 35 23.0 | -1.0 | | | | | | | | |
| GTA 54.2 326 P | 14 36 17.0 | -0.6 | | | | | | | | |
| WMQ 64.0 323 cP | 14 37 27.5 | 2.1 | | | | | | | | |
| 1987 4 22 | | | | | | | | | | |
| O = 16 06 47.2 ± 0.05s | | | | | | | | | | |
| LAT = 50.57 N ± 1.75km | | | | | | | | | | |
| LONG = 172.62 W ± 0.71km | | | | | | | | | | |
| DEPTH = 33 km ± 0.20km | | | | | | | | | | |
| STATIONS USED = 38, STAND DEV = 0.75s | | | | | | | | | | |
| MDJ 38.6 284 cP | 16 14 10.0 | 1.0 | | | | | | | | |
| CN2 41.5 286 P | 16 14 33.6 | -0.1 | | | | | | | | |
| epP | 16 14 43.6 | 0.7 | | | | | | | | |
| SNY 43.8 284 +P | 16 14 52.7 | 0.8 | | | | | | | | |
| BJI 49.4 287 cP | 16 15 36.0 | 0.0 | | | | | | | | |
| TIA 51.2 282 cP | 16 15 49.7 | 0.0 | | | | | | | | |
| BTO 52.7 291 cP | 16 16 02.2 | 0.5 | | | | | | | | |
| TIY 53.1 287 -P | 16 16 06.1 | 1.8 | | | | | | | | |

| | | | | | |
|-----|------|-----|----|------------|------|
| WHN | 56.6 | 279 | eP | 16 16 30.0 | 0.0 |
| XAN | 57.7 | 286 | eP | 16 16 36.3 | -1.0 |
| GTA | 59.5 | 296 | P | 16 16 49.4 | -0.7 |
| CD2 | 63.0 | 286 | eP | 16 17 13.4 | -0.2 |
| WMQ | 63.0 | 307 | P | 16 17 14.0 | 0.0 |
| GYA | 64.3 | 281 | P | 16 17 21.0 | -1.4 |
| LSA | 71.4 | 294 | P | 16 18 07.5 | 0.5 |

1987 4 22

O=16 20 12.8 ± 0.13s
 LAT=23.78 S ± 0.81km
 LONG=179.42 E ± 2.33km
 DEPTH=604 km ± 0.55km

STATIONS USED = 14, STAND DEV = 1.01s

| | | | | | |
|-----|------|-----|----|------------|------|
| CN2 | 83.5 | 324 | -P | 16 31 39.6 | -0.4 |
| TIA | 83.8 | 314 | eP | 16 31 42.1 | 0.7 |
| TIY | 87.7 | 313 | +P | 16 32 02.0 | 1.5 |
| CD2 | 90.6 | 304 | eP | 16 32 15.0 | 1.3 |

1987 4 22

O=17 23 05.5 ± 0.14s
 LAT=50.60 S ± 3.51km
 LONG=138.71 E ± 3.18km
 DEPTH= 5 km ± 0.62km

STATIONS USED = 9, STAND DEV = 1.16s

| | | | | | |
|-----|------|-----|----|------------|------|
| GYA | 81.8 | 331 | P | 17 35 27.0 | -0.9 |
| KMI | 81.8 | 327 | eP | 17 35 30.0 | 1.8 |
| CD2 | 86.8 | 330 | eP | 17 35 53.2 | -0.1 |
| XAN | 88.3 | 336 | eP | 17 35 59.3 | -1.0 |

1987 4 22

O=20 13 23.4 ± 0.09s
 LAT=37.11 N ± 1.43km
 LONG=141.35 E ± 1.51km
 DEPTH= 42 km ± 0.61km

STATIONS USED = 101, STAND DEV = 1.40s

Ms=6.6/55, m_B=6.5/42

| | | | | | |
|-----|------|-----|-----|---------------------|-----------|
| MDJ | 11.6 | 314 | +iP | 20 16 11.5 | 1.7 |
| CN2 | 13.8 | 304 | +iP | 20 16 40.0 | 1.1 |
| | | | PMZ | m _B =7.1 | 4.0 13.5 |
| | | | pP | 20 16 51.0 | 4.0 |
| | | | S | 20 19 13.0 | 1.9 |
| | | | SMN | m _B =6.3 | 7.0 15.3 |
| SNY | 14.5 | 294 | +iP | 20 16 50.0 | 2.1 |
| | | | PMZ | m _B =6.5 | 10.0 7.73 |
| | | | pP | 20 17 00.0 | 3.9 |
| | | | SME | | 29.0 49.3 |
| | | | LN | Ms=6.5 | 15.0 135 |
| | | | LE | | 18.0 116 |
| DL2 | 15.6 | 283 | +iP | 20 17 05.0 | 2.3 |

| | | | | | |
|-----|------|-----|-----|---------------------|-----------|
| | | | PMZ | m _B =6.3 | 8.0 9.86 |
| | | | sP | 20 17 22.0 | 5.4 |
| | | | eS | 20 19 58.0 | 3.4 |
| | | | LN | Ms=6.4 | 13.0 41.2 |
| | | | LE | | 12.0 92.5 |
| SSE | 17.7 | 256 | +iP | 20 17 29.0 | 0.1 |
| | | | PMZ | m _B =6.2 | 8.0 9.43 |
| | | | pP | 20 17 38.0 | 0.4 |
| | | | sP | 20 17 45.0 | 2.0 |
| | | | iS | 20 20 45.0 | 2.7 |
| | | | SMN | m _B =6.2 | 10.0 7.67 |
| | | | SME | | 8.0 5.45 |
| | | | sS | 20 20 58.0 | 1.5 |
| | | | SS | 20 21 08.0 | 3.4 |
| | | | PcP | 20 22 05.0 | -0.6 |
| | | | LE | Ms=6.4 | 19.0 139 |
| NJ2 | 19.2 | 261 | +P | 20 17 45.0 | -1.4 |
| | | | PMZ | m _B =6.0 | 8.5 7.40 |
| | | | SMN | | 17.0 33.3 |
| | | | LE | Ms=6.4 | 16.0 95.6 |
| TIA | 19.4 | 275 | +P | 20 17 48.0 | -1.4 |
| | | | PMZ | | 15.0 34.5 |
| | | | pP | 20 17 57.5 | -1.0 |
| | | | sP | 20 18 03.5 | -0.3 |
| | | | S | 20 21 19.0 | -1.2 |
| | | | SMN | m _B =6.3 | 10.0 4.90 |
| | | | SME | | 10.0 9.38 |
| | | | SS | 20 21 48.5 | 1.1 |
| | | | LN | Ms=6.6 | 15.0 112 |
| | | | LE | | 15.0 92.0 |
| BJI | 19.9 | 286 | eP | 20 17 51.5 | -2.6 |
| | | | PMZ | m _B =5.9 | 10.0 5.66 |
| | | | eS | 20 21 30.0 | -0.4 |
| | | | SMN | m _B =6.3 | 12.0 7.59 |
| | | | SME | | 12.0 11.5 |
| | | | LN | Ms=6.6 | 13.0 123 |
| | | | LE | | 18.0 43.1 |
| QZH | 22.9 | 244 | +iP | 20 18 23.0 | -1.7 |
| | | | PMZ | m _B =5.8 | 10.0 4.46 |
| | | | iS | 20 22 28.0 | 0.9 |
| | | | SME | | 13.0 11.1 |
| | | | LN | Ms=6.2 | 14.0 30.5 |
| | | | LE | | 14.0 21.8 |
| TIY | 22.9 | 280 | +iP | 20 18 24.0 | -1.2 |
| | | | PMZ | | 1.2 0.38 |
| | | | SMN | m _B =6.8 | 8.0 7.04 |
| | | | SME | | 12.0 29.9 |
| | | | PcS | 20 25 53.5 | 0.6 |
| | | | LN | Ms=6.4 | 14.0 60.2 |
| WHN | 23.3 | 262 | +iP | 20 18 28.0 | -0.8 |

WMQ 51.1 324 P 06 03 48.0 -0.6
 KSH 56.5 314 eP 06 04 28.5 -0.2

1987 4 23

O=07 56 21.3 ± 0.21s
 LAT= 8.23 S ± 3.57km
 LONG= 75.37 W ± 3.83km
 DEPTH= 16 km ± 2.01km
 STATIONS USED = 20, STAND DEV = 3.06s

Ms=5.5/ 3,

BJI 146.7 344 ePKP 08 16 01.0 -0.8
 TIY 149.8 348 ePKP 08 16 09.8 2.9
 LN Ms=5.6 17.0 0.60
 SSE 152.5 328 ePKP 08 16 15.6 4.8
 LE Ms=5.5 20.0 0.54

1987 4 23

O=08 10 17.2 ± 0.08s
 LAT=43.71 N ± 0.84km
 LONG= 82.71 E ± 0.66km
 DEPTH= 27 km ± 0.22km
 STATIONS USED = 6, STAND DEV = 3.73s
 M_L=2.9/ 5,

1987 4 23

O=08 22 00.2 ± 0.13s
 LAT=18.85 N ± 1.51km
 LONG=147.09 E ± 3.50km
 DEPTH= 35 km ± 0.67km
 STATIONS USED = 25, STAND DEV = 2.20s

Ms=4.5/ 1,

TIA 31.5 309 eP 08 28 20.5 -1.3
 LN Ms=4.5 17.0 0.61
 BJI 33.9 315 eP 08 28 42.5 -0.3
 HHC 37.4 314 -P 08 29 12.4 -0.2
 BTO 38.4 312 P 08 29 19.5 -1.2
 WMQ 55.2 311 P 08 31 32.4 -0.2

1987 4 23

O=09 05 55.1 ± 0.10s
 LAT=27.88 N ± 1.50km
 LONG= 87.10 E ± 1.11km
 DEPTH= 46 km ± 0.13km
 STATIONS USED = 40, STAND DEV = 1.66s

Ms=4.7/ 1,

LSA 4.0 62 P 09 06 57.1 1.1
 KSH 14.8 324 P 09 09 21.0 -2.3
 cS 09 12 04.0 -2.0
 WMQ 15.9 2 P 09 09 40.0 2.3
 GYA 17.5 90 P 09 09 56.0 -1.3

XAN 19.7 66 +P 09 10 21.6 -1.8
 QZN 22.6 108 eP 09 10 54.8 1.4
 BTO 22.7 50 eP 09 10 56.3 1.8
 TIY 23.4 59 eP 09 11 02.0 1.1
 cS 09 15 07.5 0.6
 sS 09 15 21.0 -4.3
 LN Ms=4.7 21.0 1.71
 WHN 23.9 77 P 09 11 09.5 3.6

1987 4 23

O=12 14 28.2 ± 0.06s
 LAT=43.56 N ± 0.77km
 LONG= 83.13 E ± 0.54km
 DEPTH= 13 km ± 0.22km
 STATIONS USED = 9, STAND DEV = 3.31s

M_L=3.6/ 6,

WMQ 3.3 84 ePn 12 15 22.2 1.7
 Pg 12 15 29.0 2.0
 Sn 12 16 04.0 2.3
 Sg 12 16 11.0 -1.4
 SMN M_L=3.5 0.5 0.16
 SME 0.5 0.12
 KSH 6.8 235 Pg 12 16 34.4 6.6

1987 4 23

O=12 25 12.8 ± 0.11s
 LAT=23.29 S ± 2.71km
 LONG=115.07 W ± 3.01km
 DEPTH= 9 km ± 0.41km
 STATIONS USED = 15, STAND DEV = 2.28s

LZH 144.1 300 ePKP 12 44 47.0 -3.2
 CD2 144.7 291 ePKP 12 44 49.8 -1.5
 GTA 146.4 307 +PKP 12 44 54.0 -0.2

1987 4 23

O=16 39 24.7 ± 0.16s
 LAT= 5.84 N ± 2.15km
 LONG=125.87 E ± 2.59km
 DEPTH=152 km ± 0.20km
 STATIONS USED = 88, STAND DEV = 1.59s

m_B=5.4/ 12

QZH 20.2 341 eP 16 43 51.6 1.7
 pP 16 44 18.0 -0.1
 S 16 47 29.0 6.2
 SMN m_B=5.3 8.0 0.78
 QZN 20.4 311 eP 16 43 53.4 1.9
 pP 16 44 19.0 -1.0
 GZH 21.0 326 eP 16 43 57.8 0.5
 pP 16 44 26.0 -1.3
 cS 16 47 40.0 2.7

| | | | | | | | | | | | | |
|-----|------|-----|-----|------------|------|------|-----|------|------------|------|------------|------|
| | | | SS | 16 48 23.0 | 1.1 | | | eS | 16 51 28.0 | 0.8 | | |
| | | | LN | | 10.0 | 1.40 | | SMN | $m_B=4.9$ | 8.0 | 0.27 | |
| | | | LE | | 12.0 | 1.50 | | ScP | 16 52 06.0 | 2.5 | | |
| SSE | 25.5 | 351 | eP | 16 44 40.5 | -0.4 | | | ScS | 16 56 12.0 | 5.4 | | |
| | | | pP | 16 45 12.5 | 0.8 | | SNY | 35.9 | 357 | +iP | 16 46 12.6 | 0.4 |
| | | | S | 16 48 54.0 | -0.3 | | | pP | 16 46 46.0 | 1.1 | | |
| | | | SMN | $m_B=5.4$ | 10.0 | 1.59 | | eS | 16 51 39.5 | 0.9 | | |
| | | | SME | | 8.0 | 0.79 | | LN | | 18.0 | 0.65 | |
| | | | sS | 16 49 45.0 | -4.4 | | | LE | | 16.0 | 0.81 | |
| | | | eSS | 16 50 06.0 | -5.5 | | LZH | 36.3 | 329 | +P | 16 46 15.5 | 0.0 |
| | | | LE | | 12.0 | 0.46 | | pP | 16 46 49.5 | 1.4 | | |
| WHN | 26.9 | 338 | eP | 16 44 54.5 | 1.2 | | | LN | | 10.0 | 0.87 | |
| | | | pP | 16 45 26.0 | 1.5 | | | LE | | 10.0 | 0.75 | |
| | | | eS | 16 49 21.0 | 3.9 | | HHC | 37.1 | 342 | eP | 16 46 23.2 | 0.4 |
| | | | SMN | $m_B=5.3$ | 8.0 | 1.40 | BTO | 37.4 | 340 | P | 16 46 24.0 | -1.1 |
| NJ2 | 26.9 | 347 | eP | 16 44 53.0 | -0.6 | | | pP | 16 46 55.0 | -2.8 | | |
| | | | pP | 16 45 25.0 | 0.2 | | | PP | 16 47 55.0 | -0.2 | | |
| GYA | 27.5 | 320 | P | 16 45 00.2 | 0.9 | | | S | 16 52 00.0 | -0.9 | | |
| | | | pP | 16 45 32.0 | 1.5 | | CN2 | 37.8 | 360 | +P | 16 46 28.0 | -0.3 |
| | | | S | 16 49 28.0 | 1.3 | | | sP | 16 47 15.0 | -3.6 | | |
| | | | ScP | 16 51 40.2 | 2.2 | | | eS | 16 52 07.0 | -0.8 | | |
| | | | ScS | 16 55 31.6 | 2.9 | | MDJ | 38.8 | 4 | +P | 16 46 37.0 | 0.8 |
| KMI | 29.3 | 313 | -iP | 16 45 17.0 | 1.4 | | | pP | 16 47 10.0 | 0.8 | | |
| | | | pP | 16 45 48.5 | 1.6 | | | S | 16 52 22.0 | 0.8 | | |
| | | | eS | 16 50 03.0 | 6.3 | | LSA | 40.4 | 310 | P | 16 46 51.0 | 0.6 |
| TIA | 31.3 | 346 | eP | 16 45 31.4 | -1.3 | | GTA | 40.9 | 329 | +iP | 16 46 53.5 | -0.2 |
| | | | eS | 16 50 33.2 | 6.0 | | WMQ | 50.5 | 325 | P | 16 48 09.5 | -0.3 |
| | | | SMN | $m_B=4.9$ | 10.0 | 0.56 | | pP | 16 48 39.5 | -4.4 | | |
| | | | ScP | 16 51 53.1 | 3.0 | | | PP | 16 50 06.4 | -1.5 | | |
| | | | esS | 16 51 18.5 | -4.9 | | | ScP | 16 53 07.0 | 2.1 | | |
| | | | ScS | 16 55 51.8 | 5.4 | | | eS | 16 55 12.0 | 1.0 | | |
| | | | LN | | 15.0 | 0.44 | | LN | | 24.0 | 2.01 | |
| | | | LE | | 12.0 | 0.32 | KSH | 55.9 | 314 | P | 16 48 51.0 | 1.2 |
| XAN | 32.2 | 333 | +iP | 16 45 37.9 | -2.6 | | | pP | 16 49 24.0 | -0.5 | | |
| | | | epP | 16 46 08.0 | -4.3 | | | eS | 16 56 28.0 | 3.6 | | |
| | | | esP | 16 46 27.0 | -3.2 | | | SMN | $m_B=5.4$ | 4.0 | 0.30 | |
| | | | eS | 16 50 37.0 | -4.1 | | | sS | 16 57 24.0 | -0.8 | | |
| | | | LN | | 9.0 | 0.41 | | | | | | |
| CD2 | 32.4 | 323 | eP | 16 45 41.8 | -1.2 | | | | | | | |
| | | | eS | 16 50 42.0 | -3.7 | | | | | | | |
| DL2 | 33.1 | 354 | eP | 16 45 48.7 | -0.1 | | | | | | | |
| | | | eS | 16 50 58.0 | 1.7 | | | | | | | |
| | | | LE | | 14.0 | 1.09 | | | | | | |
| TIY | 34.0 | 341 | eP | 16 45 55.4 | -0.9 | | | | | | | |
| | | | PP | 16 47 18.0 | 3.7 | | | | | | | |
| | | | S | 16 51 09.0 | 0.3 | | | | | | | |
| | | | sS | 16 52 05.0 | -1.2 | | | | | | | |
| | | | ScS | 16 56 06.5 | 6.0 | | | | | | | |
| | | | LN | | 14.0 | 0.74 | | | | | | |
| BJI | 35.1 | 347 | eP | 16 46 05.0 | -0.9 | | | | | | | |

1987 4 23
 O = 16 50 03.2 ± 0.12s
 LAT = 25.48 S ± 1.06km
 LONG = 179.53 E ± 1.19km
 DEPTH = 494 km ± 0.99km
 STATIONS USED = 72, STAND DEV = 0.77s
 $m_B = 5.5 / 3$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------|--|
| QZH | 77.3 | 306 | eP | 17 01 09.0 | 0.8 | | |
| | | | S | 17 10 18.0 | 1.1 | | |
| | | | ScS | 17 10 38.0 | 0.6 | | |
| SSE | 79.2 | 312 | +P | 17 01 17.5 | -0.7 | | |
| | | | PMZ | | 1.0 | 0.020 | |

| | | | | | | | |
|-----|------|-----|-----|-------|-----------|------|-------|
| | | | SMN | | $M_L=4.0$ | 1.0 | 0.050 |
| | | | SME | | | 1.0 | 0.090 |
| GZH | 7.8 | 265 | eP | 20 42 | 38.1 | -0.4 | |
| | | | SMN | | $M_L=4.3$ | 1.0 | 0.13 |
| | | | SME | | | 1.0 | 0.070 |
| NJ2 | 8.4 | 343 | -P | 20 42 | 44.8 | -1.8 | |
| | | | eS | 20 44 | 15.4 | -5.8 | |
| | | | LN | | $M_s=3.8$ | 10.0 | 0.60 |
| WHN | 9.3 | 316 | eP | 20 42 | 53.5 | -5.1 | |
| | | | LN | | $M_s=4.5$ | 4.0 | 0.89 |
| QZN | 12.2 | 248 | eP | 20 43 | 43.6 | 4.9 | |
| | | | eS | 20 45 | 54.6 | 0.0 | |
| GYA | 13.9 | 283 | P | 20 44 | 01.0 | -0.6 | |
| | | | S | 20 46 | 29.0 | -6.4 | |
| | | | LE | | $M_s=4.3$ | 10.0 | 0.80 |
| XAN | 15.0 | 314 | eP | 20 44 | 16.1 | 0.0 | |
| | | | LN | | $M_s=4.4$ | 6.0 | 0.42 |
| | | | LE | | | 6.0 | 0.25 |
| TIY | 15.8 | 332 | eP | 20 44 | 31.0 | 4.7 | |
| | | | LN | | $M_s=4.1$ | 15.0 | 0.66 |
| CD2 | 17.4 | 297 | eP | 20 44 | 45.4 | -1.0 | |
| BTO | 19.2 | 332 | eP | 20 45 | 07.4 | -1.6 | |
| LZH | 19.6 | 312 | eP | 20 45 | 14.0 | 1.0 | |
| CN2 | 19.9 | 8 | eP | 20 45 | 16.0 | -0.5 | |
| MDJ | 21.5 | 15 | eP | 20 45 | 32.0 | -0.5 | |
| GTA | 24.1 | 315 | eP | 20 45 | 59.4 | 1.2 | |

1987 4 24
 O=04 32 11.3 ± 0.08s
 LAT=37.25 N ± 1.59km
 LONG=141.36 E ± 1.59km
 DEPTH= 62 km ± 0.93km
 STATIONS USED = 52, STAND DEV= 1.50s
 $M_s=3.9/ 1,$

| | | | | | | | |
|-----|------|-----|----|-------|------|------|--|
| MDJ | 11.5 | 313 | eP | 04 35 | 00.3 | 4.5 | |
| CN2 | 13.8 | 303 | eP | 04 35 | 23.0 | -2.0 | |
| TIA | 19.4 | 274 | eP | 04 36 | 34.7 | -1.0 | |
| BJI | 19.9 | 286 | eP | 04 36 | 39.0 | -1.1 | |
| WHN | 23.3 | 261 | P | 04 37 | 18.0 | 2.9 | |
| BTO | 24.5 | 288 | eP | 04 37 | 27.6 | 0.7 | |
| XAN | 26.5 | 273 | P | 04 37 | 44.4 | -0.7 | |
| GYA | 31.2 | 260 | P | 04 38 | 26.4 | -1.1 | |
| GTA | 32.5 | 287 | P | 04 38 | 38.1 | -0.4 | |
| KMI | 35.0 | 261 | eP | 04 39 | 00.0 | 0.0 | |
| WMQ | 40.7 | 297 | P | 04 39 | 50.0 | 2.1 | |

1987 4 24
 O=05 47 08.9 ± 0.37s
 LAT=47.21 N ± 3.45km
 LONG= 83.67 E ± 1.82km

DEPTH= 15 km
 STATIONS USED = 11, STAND DEV= 2.98s
 $M_L=4.4/ 5,$

| | | | | | | | |
|-----|-----|-----|----|-------|------|------|--|
| WMQ | 4.4 | 139 | Pn | 05 48 | 17.8 | 1.7 | |
| | | | Pg | 05 48 | 26.6 | -0.4 | |
| | | | Sn | 05 49 | 07.8 | -1.5 | |
| | | | Sg | 05 49 | 21.5 | -6.0 | |

1987 4 24
 O=08 52 05.4 ± 0.12s
 LAT=27.35 N ± 1.89km
 LONG=129.56 E ± 1.84km
 DEPTH= 32 km ± 0.37km
 STATIONS USED = 19, STAND DEV= 2.34s
 $M_s=4.6/ 6,$

| | | | | | | | |
|-----|------|-----|----|-------|-----------|------|------|
| BJI | 16.8 | 322 | eP | 08 56 | 03.5 | 3.1 | |
| TIY | 17.7 | 310 | eP | 08 56 | 11.2 | -0.5 | |
| | | | LN | | $M_s=4.6$ | 12.0 | 1.04 |
| | | | LE | | | 11.5 | 0.77 |
| XAN | 18.9 | 296 | eP | 08 56 | 20.5 | -6.2 | |
| CD2 | 22.8 | 285 | eP | 08 57 | 07.6 | 0.8 | |
| GTA | 27.5 | 304 | P | 08 57 | 49.6 | -1.6 | |
| | | | LE | | $M_s=4.5$ | 13.0 | 0.58 |

1987 4 24
 O=09 19 18.1 ± 0.14s
 LAT=11.11 N ± 1.99km
 LONG= 93.43 E ± 2.20km
 DEPTH=124 km ± 0.42km
 STATIONS USED = 19, STAND DEV= 2.68s

| | | | | | | | |
|-----|------|-----|-----|-------|------|------|------|
| LSA | 18.6 | 354 | eP | 09 23 | 25.1 | -4.0 | |
| CD2 | 21.9 | 24 | eP | 09 24 | 05.0 | 2.6 | |
| LZH | 26.6 | 19 | eP | 09 24 | 47.0 | -0.1 | |
| GTA | 28.8 | 10 | P | 09 25 | 06.1 | -0.5 | |
| | | | PMZ | | | 1.0 | 0.32 |

1987 4 24
 O=10 21 09.7 ± 0.05s
 LAT=46.60 N ± 0.51km
 LONG= 83.49 E ± 0.61km
 DEPTH= 19 km ± 0.65km
 STATIONS USED = 6, STAND DEV= 2.89s
 $M_L=2.9/ 6,$

| | | | | | | | |
|-----|-----|-----|-----|-------|-----------|------|-------|
| WMQ | 4.1 | 132 | ePn | 10 22 | 11.2 | -0.5 | |
| | | | Sg | 10 23 | 16.0 | -1.5 | |
| | | | SMN | | $M_L=2.8$ | 0.6 | 0.020 |

1987 4 24
 O=12 41 03.9 ± 0.07s
 LAT= 5.77 S ± 1.13km

| LONG = 127.69 E | | ± 1.69km | | DL2 | | 44.8 353 | | -P | | 12 48 42.0 | | -1.0 | |
|---------------------|------|-------------------|-----|-------------|------|----------|------|-----|------|-------------|------|------------|------|
| DEPTH = 388 km | | ± 0.15km | | | | | | PcP | | 12 50 17.0 | | -0.3 | |
| STATIONS USED = 94, | | STAND DEV = 0.86s | | | | | | eS | | 12 54 46.0 | | -5.2 | |
| | | $m_B = 5.4 / 15$ | | TIY | | 45.5 343 | | -iP | | 12 48 48.4 | | -0.5 | |
| QZN | 30.3 | 325 | eP | 12 46 43.0 | 0.1 | | | | PcP | 12 50 20.5 | 0.6 | | |
| | | | S | 12 51 10.0 | -3.8 | | | | S | 12 54 57.0 | -3.5 | | |
| | | | SMN | $m_B = 4.9$ | | 10.0 | 0.60 | BJI | 46.8 | 348 | -iP | 12 48 58.0 | -0.6 |
| QZH | 31.8 | 344 | -iP | 12 46 55.5 | -0.4 | | | | PMZ | | | 2.0 | 0.54 |
| | | | S | 12 51 32.0 | -5.3 | | | | PcP | 12 50 25.0 | 0.6 | | |
| | | | SMN | | | 3.0 | 0.33 | | ScP | 12 53 40.0 | 1.0 | | |
| | | | SS | 12 54 11.0 | 2.2 | | | | ScS | 12 58 07.0 | -1.1 | | |
| GZH | 31.9 | 334 | -iP | 12 46 57.6 | 0.5 | | | LZH | 47.3 | 334 | -iP | 12 49 03.0 | 0.7 |
| SSE | 37.2 | 351 | +iP | 12 47 42.0 | 0.6 | | | | PMZ | | | 1.0 | 0.46 |
| | | | PMZ | | | 1.2 | 0.20 | | PcP | 12 50 27.5 | 1.4 | | |
| | | | PcP | 12 49 52.8 | 0.6 | | | | ScP | 12 53 43.0 | 2.0 | | |
| GYA | 38.0 | 328 | -P | 12 47 48.8 | 0.7 | | | | PcS | 12 54 22.5 | 3.3 | | |
| | | | PMZ | | | 1.2 | 0.30 | | S | 12 55 24.5 | -0.3 | | |
| | | | PcP | 12 49 56.0 | 1.3 | | | | SMN | | | 2.0 | 0.17 |
| | | | ScP | 12 53 04.8 | 1.2 | | | | ScS | 12 58 12.0 | 0.8 | | |
| | | | S | 12 53 08.0 | -3.2 | | | SNY | 47.5 | 356 | -iP | 12 49 03.5 | -0.5 |
| | | | ScS | 12 57 14.0 | 0.6 | | | | PMZ | | | 3.0 | 0.94 |
| WHN | 38.3 | 341 | -iP | 12 47 52.5 | 1.9 | | | | sP | 12 51 07.0 | 3.4 | | |
| | | | PMZ | | | 1.0 | 4.20 | | SMN | $m_B = 5.5$ | | 7.0 | 0.41 |
| | | | PcP | 12 49 57.0 | 1.3 | | | HHC | 48.7 | 344 | -iP | 12 49 13.0 | -0.2 |
| | | | ScP | 12 53 06.5 | 1.7 | | | BTO | 48.9 | 342 | P | 12 49 13.5 | -1.4 |
| | | | iS | 12 53 16.0 | -1.0 | | | | pP | 12 50 33.0 | 0.6 | | |
| | | | SMN | $m_B = 5.3$ | | 6.0 | 0.69 | | PP | 12 51 13.0 | -0.1 | | |
| NJ2 | 38.5 | 348 | -iP | 12 47 53.1 | 0.5 | | | | eS | 12 55 43.0 | -5.8 | | |
| | | | sP | 12 49 52.0 | 1.8 | | | CN2 | 49.4 | 358 | -iP | 12 49 17.0 | -1.2 |
| | | | PcP | 12 49 57.0 | 0.5 | | | | PMZ | | | 2.0 | 0.30 |
| | | | ScP | 12 53 07.0 | 1.3 | | | | PcP | 12 50 32.0 | -1.8 | | |
| | | | S | 12 53 19.5 | -0.2 | | | | sP | 12 51 16.0 | -2.2 | | |
| | | | SMN | $m_B = 4.9$ | | 10.0 | 0.50 | | ScP | 12 53 49.0 | -0.9 | | |
| TIA | 42.9 | 347 | -P | 12 48 26.9 | -1.2 | | | | eS | 12 55 52.0 | -3.0 | | |
| | | | PcP | 12 50 11.4 | 0.6 | | | | sS | 12 58 08.0 | -5.0 | | |
| | | | ScP | 12 53 24.4 | 1.4 | | | LSA | 49.7 | 317 | -iP | 12 49 20.9 | -0.5 |
| | | | S | 12 54 20.8 | -2.6 | | | MDJ | 50.2 | 2 | -iP | 12 49 24.4 | 0.2 |
| | | | SMN | $m_B = 5.4$ | | 7.0 | 0.71 | | PMZ | | | 1.2 | 0.70 |
| | | | ScS | 12 57 45.0 | 1.9 | | | | PcP | 12 50 35.5 | -1.2 | | |
| CD2 | 43.1 | 329 | -iP | 12 48 28.8 | -0.5 | | | | ScP | 12 53 54.0 | 0.7 | | |
| | | | PMZ | | | 1.0 | 0.28 | | iS | 12 56 06.3 | 0.3 | | |
| | | | S | 12 54 21.4 | -4.0 | | | GTA | 51.8 | 333 | -iP | 12 49 36.5 | 0.0 |
| XAN | 43.4 | 337 | -iP | 12 48 31.1 | -0.8 | | | | PcP | 12 50 43.8 | 1.0 | | |
| | | | pP | 12 49 51.0 | 3.3 | | | | ScP | 12 54 01.8 | 1.5 | | |
| | | | PcP | 12 50 11.4 | -1.1 | | | | S | 12 56 26.0 | -0.9 | | |
| | | | ScP | 12 53 26.2 | 1.3 | | | | ScS | 12 58 42.8 | 0.8 | | |
| | | | S | 12 54 26.0 | -4.2 | | | WMQ | 61.1 | 328 | -iP | 12 50 41.5 | 0.4 |
| | | | SMN | $m_B = 5.4$ | | 5.0 | 0.42 | | PMZ | | | 1.8 | 0.50 |
| | | | SME | | | 6.0 | 0.33 | | PcP | 12 51 20.0 | 0.8 | | |
| | | | ScS | 12 57 45.0 | -1.1 | | | | pP | 12 52 07.0 | 3.6 | | |

| | | | | | |
|-----|-------------|-------------|------|-----|------|
| | iS | 12 58 28.0 | -1.4 | | |
| | SMN | | | 2.5 | 0.21 |
| | ScS | 12 59 50.0 | 0.6 | | |
| KSH | 65.5 318 -P | 12 51 11.0 | 1.3 | | |
| | PcP | 12 51 40.0 | 2.6 | | |
| | S | 12 59 25.0 | 2.9 | | |
| | SMN | $m_B = 5.3$ | | 5.0 | 0.50 |
| | ScS | 13 00 29.0 | 5.8 | | |

1987 4 24

O = 22 25 31.0 ± 0.04s

LAT = 36.52 N ± 0.59km

LONG = 70.40 E ± 0.66km

DEPTH = 207 km ± 0.38km

STATIONS USED = 22, STAND DEV = 0.98s

| | | | | | |
|-----|-------------|------------|-----|-----|-------|
| KSH | 5.3 55 +P | 22 26 52.0 | 1.7 | | |
| | S | 22 27 53.0 | 1.7 | | |
| WMQ | 15.1 56 P | 22 28 55.6 | 0.2 | | |
| | S | 22 31 39.4 | 2.8 | | |
| | SMN | | | 2.0 | 0.070 |
| LSA | 18.6 105 +P | 22 29 36.5 | 0.4 | | |
| GTA | 23.3 74 -iP | 22 30 23.8 | 1.7 | | |

1987 4 25

O = 04 02 08.4 ± 0.19s

LAT = 8.42 S ± 6.45km

LONG = 77.10 W ± 5.88km

DEPTH = 75 km

STATIONS USED = 14, STAND DEV = 2.22s

| | | | | | |
|-----|-----------------|------------|------|--|--|
| BJI | 146.4 341 cPKP | 04 21 39.0 | -1.5 | | |
| GTA | 149.0 5 PKP | 04 21 47.5 | 2.5 | | |
| TIY | 149.6 345 +iPKP | 04 21 48.0 | 2.2 | | |

1987 4 25

O = 08 08 59.2 ± 0.20s

LAT = 6.77 N ± 1.78km

LONG = 126.11 E ± 1.93km

DEPTH = 75 km ± 1.69km

STATIONS USED = 80, STAND DEV = 1.87s

$M_s = 4.6 / 12,$ $m_B = 5.3 / 3$

| | | | | | |
|-----|-------------|-------------|------|------|------|
| QZH | 19.5 339 eP | 08 13 23.0 | 0.4 | | |
| | S | 08 16 52.0 | -0.6 | | |
| | SMN | | | 16.0 | 1.80 |
| | SME | | | 16.0 | 2.20 |
| | LN | $M_s = 4.5$ | | 24.0 | 1.62 |
| QZN | 20.0 309 eP | 08 13 28.4 | 0.2 | | |
| | eS | 08 17 07.0 | 3.1 | | |
| | eSS | 08 17 35.0 | -0.3 | | |
| | LN | $M_s = 4.6$ | | 14.0 | 0.70 |
| | LE | | | 14.0 | 0.90 |

| | | | | | |
|-----|--------------|-------------|------|------|------|
| GZH | 20.4 324 -P | 08 13 32.4 | 0.3 | | |
| | eS | 08 17 12.0 | 0.6 | | |
| | LE | $M_s = 4.6$ | | 16.0 | 1.44 |
| SSE | 24.6 350 eP | 08 14 16.8 | 2.5 | | |
| | epP | 08 14 33.0 | 1.9 | | |
| | csP | 08 14 42.5 | 2.0 | | |
| | cPP | 08 14 55.0 | 1.7 | | |
| | S | 08 18 28.0 | 1.0 | | |
| | SMN | $m_B = 5.6$ | | 10.0 | 0.64 |
| | SME | | | 10.0 | 1.29 |
| | SS | 08 19 22.0 | -6.5 | | |
| NJ2 | 26.1 346 +P | 08 14 28.0 | 0.3 | | |
| WHN | 26.1 336 P | 08 14 29.2 | 1.1 | | |
| | S | 08 18 54.0 | 2.6 | | |
| | SMN | $m_B = 5.2$ | | 7.0 | 0.51 |
| | LE | $M_s = 4.4$ | | 14.0 | 0.45 |
| GYA | 27.0 319 P | 08 14 39.8 | 3.7 | | |
| KMI | 28.9 312 cP | 08 14 54.0 | 0.6 | | |
| | S | 08 19 42.0 | 6.2 | | |
| | LN | $M_s = 4.4$ | | 13.0 | 0.42 |
| TIA | 30.4 346 cP | 08 15 05.4 | -1.8 | | |
| XAN | 31.5 332 +P | 08 15 14.2 | -2.0 | | |
| | S | 08 20 11.9 | -4.8 | | |
| CD2 | 31.9 322 eP | 08 15 18.2 | -1.6 | | |
| DL2 | 32.3 353 cP | 08 15 27.0 | 3.9 | | |
| TIY | 33.2 340 cP | 08 15 32.0 | 0.4 | | |
| | S | 08 20 45.0 | 0.8 | | |
| | LN | $M_s = 4.5$ | | 14.0 | 0.46 |
| BJI | 34.3 346 cP | 08 15 38.5 | -2.3 | | |
| | eS | 08 21 00.0 | -2.0 | | |
| | SMN | $m_B = 5.3$ | | 7.0 | 0.37 |
| | SME | | | 7.0 | 0.29 |
| SNY | 35.0 357 +P | 08 15 45.4 | -1.2 | | |
| | eS | 08 21 13.0 | 0.5 | | |
| | LN | $M_s = 4.8$ | | 24.0 | 0.64 |
| | LE | | | 20.0 | 0.95 |
| LZH | 35.6 328 +iP | 08 15 53.0 | 1.0 | | |
| HHC | 36.3 341 P | 08 16 00.0 | 1.7 | | |
| BTO | 36.6 339 P | 08 16 01.5 | 0.8 | | |
| | ePP | 08 17 22.0 | -3.9 | | |
| | S | 08 21 39.0 | 2.1 | | |
| CN2 | 36.9 359 P | 08 16 01.6 | -1.2 | | |
| MDJ | 37.8 4 cP | 08 16 10.3 | -0.3 | | |
| LSA | 40.0 309 P | 08 16 29.3 | 0.1 | | |
| GTA | 40.2 328 P | 08 16 30.6 | 0.2 | | |
| WMQ | 49.9 324 cP | 08 17 51.0 | 3.2 | | |

1987 4 25

O = 08 19 13.4 ± 0.12s

LAT = 19.94 N ± 1.45km

LONG = 121.39 E ± 1.92km
 DEPTH = 34 km ± 0.62km
 STATIONS USED = 29, STAND DEV = 1.97s

$M_L = 3.8 / 5,$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------------|-----------|
| QZH | 5.6 | 333 | eP | 08 20 36.5 | -0.2 | | |
| | | | S | 08 21 35.5 | -5.2 | | |
| | | | SMN | | | $M_L = 3.4$ | 1.0 0.060 |
| | | | SME | | | | 0.7 0.010 |
| QZN | 10.9 | 267 | eP | 08 21 48.3 | -2.4 | | |
| | | | cS | 08 23 49.0 | -3.8 | | |
| GYA | 15.0 | 298 | P | 08 22 49.4 | 4.3 | | |
| TIA | 16.6 | 348 | eP | 08 23 09.9 | 4.1 | | |
| CD2 | 19.3 | 308 | eP | 08 23 38.4 | 0.1 | | |
| TIY | 19.3 | 338 | eP | 08 23 40.5 | 1.4 | | |
| BJI | 20.5 | 349 | eP | 08 23 51.5 | -0.1 | | |
| SNY | 21.9 | 4 | eP | 08 24 06.5 | 1.0 | | |
| BTO | 22.8 | 337 | P | 08 24 10.8 | -3.6 | | |

1987 4 25

O = 09 33 20.4 ± 0.04s

LAT = 58.41 N ± 1.13km

LONG = 164.11 E ± 0.69km

DEPTH = 32 km ± 0.08km

STATIONS USED = 16, STAND DEV = 0.85s

| | | | | | | | |
|-----|------|-----|----|------------|-----|--|--|
| TIY | 39.0 | 261 | eP | 09 40 47.0 | 0.7 | | |
| KMI | 54.0 | 260 | +P | 09 42 44.5 | 0.0 | | |

1987 4 25

O = 12 16 47.8 ± 0.07s

LAT = 15.93 N ± 1.12km

LONG = 120.43 E ± 1.45km

DEPTH = 103 km ± 0.45km

STATIONS USED = 106, STAND DEV = 1.27s

$m_B = 6.8 / 40$

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------------|-----------|
| QZH | 9.1 | 349 | +P | 12 18 58.0 | -0.3 | | |
| | | | PMZ | | | $m_B = 7.2$ | 12.0 70.8 |
| | | | S | 12 20 38.0 | -1.9 | | |
| | | | LN | | | | 16.0 142 |
| GZH | 9.8 | 318 | P | 12 19 06.0 | -0.8 | | |
| | | | S | 12 21 00.0 | 5.0 | | |
| | | | LN | | | | 14.0 407 |
| QZN | 10.6 | 289 | eP | 12 19 16.0 | -1.5 | | |
| | | | sP | 12 19 41.0 | -4.3 | | |
| | | | S | 12 21 12.3 | -1.8 | | |
| | | | SS | 12 21 27.0 | -4.0 | | |
| | | | ScP | 12 28 33.0 | -1.6 | | |
| | | | PcS | 12 28 46.0 | 0.6 | | |
| | | | ScS | 12 32 03.5 | -4.9 | | |
| | | | LE | | | | 15.5 159 |
| SSE | 15.1 | 2 | +P | 12 20 18.0 | 0.9 | | |

| | | | | | | | |
|-----|------|-----|-----|------------|------|-------------|-----------|
| | | | PMZ | | | $m_B = 7.3$ | 5.0 56.8 |
| | | | pP | 12 20 31.0 | 0.9 | | |
| | | | S | 12 23 02.0 | 0.3 | | |
| | | | SMN | | | $m_B = 6.9$ | 8.0 23.2 |
| | | | SME | | | | 8.0 37.0 |
| | | | sS | 12 23 25.0 | 3.4 | | |
| | | | LN | | | | 10.0 39.4 |
| | | | LE | | | | 10.0 41.3 |
| WHN | 15.6 | 340 | eP | 12 20 25.5 | 2.5 | | |
| | | | PMZ | | | $m_B = 6.6$ | 6.0 15.0 |
| | | | sP | 12 20 53.0 | 0.4 | | |
| | | | iS | 12 23 10.0 | -2.8 | | |
| | | | SME | | | $m_B = 6.7$ | 11.0 29.7 |
| | | | LE | | | | 14.0 333 |
| NJ2 | 16.1 | 355 | +P | 12 20 30.0 | 0.3 | | |
| | | | PMZ | | | $m_B = 6.7$ | 4.5 15.0 |
| GYA | 16.6 | 312 | P | 12 20 36.4 | 1.1 | | |
| | | | PMZ | | | $m_B = 7.2$ | 6.0 62.0 |
| | | | sP | 12 21 05.0 | -0.2 | | |
| | | | S | 12 23 38.0 | 3.6 | | |
| | | | LN | | | | 12.0 91.6 |
| | | | LE | | | | 12.0 32.1 |
| KMI | 18.9 | 302 | -P | 12 21 04.5 | 1.2 | | |
| | | | pP | 12 21 22.0 | 1.7 | | |
| | | | S | 12 24 28.0 | 1.6 | | |
| | | | SME | | | $m_B = 7.2$ | 10.0 62.6 |
| | | | LE | | | | 12.0 97.2 |
| TIA | 20.4 | 352 | +P | 12 21 19.2 | 0.2 | | |
| | | | PMZ | | | $m_B = 6.6$ | 7.0 20.3 |
| | | | pP | 12 21 38.5 | -0.4 | | |
| | | | S | 12 25 03.0 | 6.6 | | |
| | | | ScS | 12 32 38.0 | 3.4 | | |
| | | | LN | | | | 14.5 5.21 |
| | | | LE | | | | 10.0 37.2 |
| XAN | 20.8 | 332 | -iP | 12 21 22.5 | -0.4 | | |
| | | | pP | 12 21 41.0 | -2.5 | | |
| | | | sP | 12 21 56.0 | -0.7 | | |
| | | | S | 12 25 07.9 | 4.3 | | |
| | | | ScS | 12 32 40.3 | 4.4 | | |
| | | | LN | | | | 13.0 93.0 |
| | | | LE | | | | 13.0 76.3 |
| CD2 | 21.3 | 317 | -iP | 12 21 28.2 | 0.1 | | |
| | | | iS | 12 25 20.0 | 6.0 | | |
| | | | LN | | | | 15.0 359 |
| TIY | 22.8 | 343 | -iP | 12 21 43.5 | 0.6 | | |
| | | | PMZ | | | $m_B = 7.0$ | 6.0 39.1 |
| | | | sP | 12 22 21.5 | 4.3 | | |
| | | | S | 12 25 43.5 | 3.6 | | |
| | | | SME | | | $m_B = 7.1$ | 11.0 55.5 |
| | | | SS | 12 26 34.0 | 2.4 | | |



| | | | | | | | |
|-----|------|-----|-----|-------------|------|------|------|
| DL2 | 22.9 | 2 | LE | 12 21 46.0 | 2.3 | 12.0 | 59.9 |
| | | | -iP | | | | |
| | | | PMZ | $m_B = 6.5$ | 6.0 | 14.4 | |
| | | | pP | 12 22 09.0 | 3.7 | | |
| | | | sP | 12 22 22.0 | 3.8 | | |
| | | | PcP | 12 25 36.0 | 3.8 | | |
| | | | S | 12 25 46.0 | 4.5 | | |
| | | | LN | | | 12.0 | 206 |
| | | | LE | | | 15.0 | 79.1 |
| BJI | 24.3 | 352 | eP | 12 21 57.0 | -0.1 | | |
| | | | PMZ | $m_B = 6.7$ | 7.0 | 21.9 | |
| | | | sP | 12 22 27.0 | -4.7 | | |
| | | | PcP | 12 25 34.0 | -1.1 | | |
| | | | cS | 12 26 09.0 | 2.9 | | |
| | | | SMN | $m_B = 7.0$ | 6.5 | 17.9 | |
| | | | SME | | 8.0 | 17.1 | |
| | | | ScS | 12 32 52.5 | 3.5 | | |
| | | | LN | | | 12.0 | 40.0 |
| LZH | 24.9 | 327 | -iP | 12 22 03.5 | 0.2 | | |
| | | | PMZ | | | 1.5 | 3.86 |
| | | | S | 12 26 18.0 | 2.2 | | |
| SNY | 26.0 | 5 | +iP | 12 22 11.2 | -1.4 | | |
| | | | PMZ | $m_B = 6.5$ | 6.0 | 7.99 | |
| | | | pP | 12 22 33.0 | -1.8 | | |
| | | | iS | 12 26 30.0 | -3.5 | | |
| | | | SMN | $m_B = 6.7$ | 12.0 | 22.3 | |
| | | | SME | | 8.0 | 9.15 | |
| | | | ScS | 12 32 59.4 | 3.7 | | |
| | | | LN | | | 13.0 | 30.1 |
| | | | LE | | | 15.0 | 86.2 |
| HHC | 26.0 | 345 | -P | 12 22 12.6 | -0.6 | | |
| | | | S | 12 26 32.0 | -1.5 | | |
| | | | LN | | | 12.0 | 38.0 |
| | | | LE | | | 12.0 | 27.5 |
| BTO | 26.2 | 342 | P | 12 22 13.6 | -1.4 | | |
| | | | pP | 12 22 34.0 | -3.0 | | |
| | | | PP | 12 22 58.0 | -3.1 | | |
| | | | iS | 12 26 35.0 | -2.7 | | |
| | | | sS | 12 27 15.0 | -1.5 | | |
| | | | LN | | | 12.0 | 54.0 |
| | | | LE | | | 12.0 | 41.4 |
| CN2 | 28.1 | 8 | -iP | 12 22 32.0 | -0.4 | | |
| | | | PMZ | $m_B = 6.3$ | 5.0 | 3.40 | |
| | | | pP | 12 22 54.0 | -0.7 | | |
| | | | S | 12 27 06.0 | -1.8 | | |
| | | | SMN | $m_B = 6.6$ | 8.0 | 11.7 | |
| | | | SME | | 8.0 | 10.1 | |
| | | | LE | | | 15.0 | 84.5 |
| GTA | 29.5 | 326 | -iP | 12 22 44.1 | -1.1 | | |
| | | | PcP | 12 25 51.5 | 4.1 | | |

| | | | | | | | |
|-----|------|-----|-----|-------------|------|------|------|
| | | | iS | 12 27 31.0 | -0.5 | | |
| | | | SME | $m_B = 6.4$ | 11.0 | | |
| | | | ScS | 12 33 13.3 | 1.5 | | |
| | | | LN | | | 17.0 | 208 |
| | | | LE | | | 16.0 | 229 |
| MDJ | 29.6 | 13 | +iP | 12 22 45.4 | -0.5 | | |
| | | | pP | 12 23 10.0 | 1.5 | | |
| | | | sP | 12 23 20.5 | -0.6 | | |
| | | | PcP | 12 25 52.5 | 4.9 | | |
| | | | iS | 12 27 34.0 | 1.3 | | |
| | | | SMN | $m_B = 6.8$ | 9.0 | 25.1 | |
| | | | ScS | 12 33 17.0 | 4.8 | | |
| WMQ | 39.3 | 322 | -P | 12 24 08.5 | 0.0 | | |
| | | | PMZ | $m_B = 7.1$ | 6.0 | 21.1 | |
| | | | pP | 12 24 33.0 | 1.2 | | |
| | | | PP | 12 25 46.2 | 2.7 | | |
| | | | PcP | 12 26 20.0 | 4.7 | | |
| | | | S | 12 29 57.0 | -3.6 | | |
| | | | sS | 12 30 40.0 | -2.3 | | |
| | | | ScS | 12 34 06.0 | 2.4 | | |
| | | | LN | | | 14.0 | 358 |
| KSH | 45.2 | 310 | -iP | 12 24 58.0 | 1.0 | | |
| | | | pP | 12 25 24.0 | 3.5 | | |
| | | | S | 12 31 26.0 | -1.6 | | |
| | | | LE | | | 12.0 | 78.0 |

1987 4 25
 O = 17 02 38.1 ± 0.13s
 LAT = 34.21 N ± 1.16km
 LONG = 103.27 E ± 1.30km
 DEPTH = 20 km ± 0.09km
 STATIONS USED = 15, STAND DEV = 2.46s

| | | | | | | | |
|-----|-----|-----|------------------|-------------|------|-------|--|
| | | | $M_L = 3.6 / 8,$ | | | | |
| LZH | 1.9 | 14 | Pn | 17 03 10.9 | 0.3 | | |
| | | | Pg | 17 03 12.0 | -0.4 | | |
| | | | Sn | 17 03 36.0 | 0.2 | | |
| | | | Sg | 17 03 37.0 | -1.9 | | |
| | | | SMN | $M_L = 3.6$ | 1.0 | 0.54 | |
| | | | SME | | 1.5 | 0.51 | |
| CD2 | 3.3 | 173 | ePg | 17 03 40.1 | 3.4 | | |
| XAN | 4.7 | 90 | +Pn | 17 03 46.6 | -1.7 | | |
| | | | Pg | 17 04 01.1 | 0.2 | | |
| | | | Sn | 17 04 40.2 | -3.8 | | |
| | | | Sg | 17 05 02.1 | -2.9 | | |
| | | | SMN | $M_L = 3.6$ | 1.0 | 0.070 | |
| | | | SME | | 1.3 | 0.12 | |

1987 4 25
 O = 18 34 55.9 ± 0.07s
 LAT = 37.24 N ± 1.95km

| | | | | | | | | | | | |
|--|------|-----|-----|----------------------|------|------------------------------------|--|--|--|--|--|
| LONG = 141.66 E ± 1.62km | | | | | | QZH 29.6 39 cP 19 28 14.0 0.7 | | | | | |
| DEPTH = 62 km ± 0.77km | | | | | | S 19 33 06.0 -0.7 | | | | | |
| STATIONS USED = 21, STAND DEV = 1.55s | | | | | | SME 15.0 8.80 | | | | | |
| BJI | 20.1 | 286 | cP | 18 39 25.0 | -2.1 | LE Ms=6.7 12.0 61.8 | | | | | |
| XAN | 26.7 | 273 | cP | 18 40 31.2 | -0.6 | WHN 31.8 26 cP 19 28 30.0 -3.3 | | | | | |
| GYA | 31.5 | 260 | P | 18 41 13.8 | -0.4 | sP 19 28 40.0 -1.9 | | | | | |
| WMQ | 40.9 | 297 | cP | 18 42 37.6 | 3.3 | PP 19 29 42.0 4.1 | | | | | |
| 1987 4 25 | | | | | | S 19 33 44.0 2.5 | | | | | |
| O = 19 09 40.7 ± 0.12s | | | | | | SME m _B = 6.3 12.0 7.00 | | | | | |
| LAT = 19.13 S ± 1.35km | | | | | | XAN 33.0 16 cP 19 28 41.0 -3.3 | | | | | |
| LONG = 169.48 E ± 0.67km | | | | | | pP 19 28 46.0 -3.9 | | | | | |
| DEPTH = 260 km ± 1.30km | | | | | | sP 19 28 48.0 -4.8 | | | | | |
| STATIONS USED = 22, STAND DEV = 1.42s | | | | | | PP 19 29 55.0 0.8 | | | | | |
| CN2 | 74.5 | 329 | +iP | 19 20 53.2 | 0.1 | S 19 34 04.0 3.0 | | | | | |
| GYA | 75.9 | 305 | P | 19 21 02.0 | 0.5 | SMN 16.0 15.7 | | | | | |
| BJI | 77.0 | 321 | cP | 19 21 08.0 | 0.9 | SME 14.0 6.08 | | | | | |
| XAN | 78.2 | 312 | +P | 19 21 14.6 | 0.7 | LE Ms=7.0 8.0 73.1 | | | | | |
| KMI | 78.4 | 302 | cP | 19 21 13.5 | -1.6 | LZH 34.0 7 cP 19 28 51.0 -1.9 | | | | | |
| 1987 4 25 | | | | | | PMZ 1.0 0.29 | | | | | |
| O = 19 22 06.3 ± 0.12s | | | | | | pP 19 28 55.0 -3.5 | | | | | |
| LAT = 2.21 N ± 2.16km | | | | | | sP 19 28 58.0 -3.4 | | | | | |
| LONG = 98.80 E ± 2.32km | | | | | | PP 19 30 07.0 1.0 | | | | | |
| DEPTH = 12 km ± 0.36km | | | | | | S 19 34 16.0 -0.2 | | | | | |
| STATIONS USED = 97, STAND DEV = 1.65s | | | | | | LE Ms=6.2 15.0 21.2 | | | | | |
| Ms = 7.1 / 44, m _B = 6.2 / 20 | | | | | | NJ2 35.2 30 +P 19 29 04.0 1.4 | | | | | |
| QZN | 19.9 | 32 | -P | 19 26 41.0 | 0.1 | PP 19 30 24.0 3.1 | | | | | |
| | | | sP | 19 26 49.5 | 0.0 | S 19 34 38.5 4.4 | | | | | |
| | | | PP | 19 27 01.0 | 1.8 | SME 16.0 7.90 | | | | | |
| | | | S | 19 30 17.0 | -1.8 | ScP 19 35 20.0 2.5 | | | | | |
| | | | LN | Ms=7.0 | 17.0 | LE Ms=6.9 17.0 106 | | | | | |
| | | | LE | | 17.0 | PMZ 2.0 0.90 | | | | | |
| KMI | 23.1 | 9 | -P | 19 27 15.0 | 1.5 | PP 19 30 28.0 1.3 | | | | | |
| | | | PMZ | m _B = 6.3 | 4.0 | S 19 34 42.0 0.2 | | | | | |
| | | | sP | 19 27 24.0 | 2.1 | isS 19 34 49.0 -3.3 | | | | | |
| | | | eS | 19 31 18.0 | -2.5 | SS 19 37 05.0 3.4 | | | | | |
| | | | SMN | m _B = 6.8 | 10.0 | ScS 19 39 28.0 5.2 | | | | | |
| | | | LE | Ms=6.9 | 14.0 | LN Ms=7.5 12.0 147 | | | | | |
| GZH | 25.1 | 33 | cP | 19 27 32.0 | -0.6 | LE 12.0 261 | | | | | |
| | | | SMN | | 13.0 | GTA 37.0 1 -P 19 29 16.5 -2.0 | | | | | |
| | | | SME | | 14.0 | PP 19 30 48.5 4.3 | | | | | |
| | | | LN | Ms=7.1 | 13.0 | S 19 35 02.0 -0.7 | | | | | |
| GYA | 25.3 | 17 | -P | 19 27 34.0 | -0.4 | TIY 37.5 18 -iP 19 29 22.0 -0.2 | | | | | |
| | | | sP | 19 27 41.0 | -1.9 | PP 19 30 55.5 5.8 | | | | | |
| | | | LN | Ms=6.9 | 12.0 | S 19 35 07.5 -2.0 | | | | | |
| | | | LE | | 12.0 | sS 19 35 17.0 -3.0 | | | | | |
| CD2 | 28.9 | 9 | cP | 19 28 05.7 | -2.2 | LE Ms=7.2 18.5 203 | | | | | |
| | | | iS | 19 33 00.0 | 2.9 | TIA 37.8 24 cP 19 29 25.5 0.4 | | | | | |
| | | | LN | Ms=6.8 | 14.0 | sP 19 29 32.0 -1.7 | | | | | |
| | | | | | 95.5 | PP 19 31 00.0 6.2 | | | | | |

| | | | | | | | | | | | | | | |
|-----|------|-----|-----|------------|---------------------|------|------|--|-----|------------|------|---------------------|------------|-------|
| | | | S | 19 35 16.0 | 1.1 | | | | SME | | | 34.0 | 19.8 | |
| | | | LN | Ms=7.4 | 15.0 | 135 | | | LN | Ms=7.4 | 15.0 | 90.7 | | |
| | | | LE | | 16.0 | 266 | | | LE | | 14.0 | 207 | | |
| BTO | 39.5 | 13 | cP | 19 29 38.4 | -1.0 | | | | CN2 | 47.7 | 26 | cP | 19 30 43.0 | -2.2 |
| | | | sP | 19 29 47.0 | -0.9 | | | | PMZ | | | m _B =6.0 | 6.0 | 1.30 |
| | | | PP | 19 31 12.0 | -1.7 | | | | pP | 19 30 47.0 | | -4.0 | | |
| | | | S | 19 35 37.0 | -3.6 | | | | PP | 19 32 33.0 | | -2.4 | | |
| | | | LN | Ms=7.1 | 10.0 | 69.5 | | | S | 19 37 34.0 | | -5.3 | | |
| | | | LE | | 10.0 | 44.3 | | | SME | | | m _B =6.1 | 10.0 | 2.60 |
| HHC | 40.2 | 15 | -P | 19 29 44.0 | -0.5 | | | | LE | | | Ms=7.2 | 17.0 | 146 |
| | | | pP | 19 29 48.0 | -2.2 | | | | MDJ | 50.2 | 28 | cP | 19 31 07.6 | 2.9 |
| | | | S | 19 35 49.0 | -0.9 | | | | iS | | | 19 38 12.0 | -3.7 | |
| | | | SME | | | 16.0 | 13.6 | | | | | | | |
| | | | LN | Ms=7.1 | 16.0 | 64.7 | | | | | | | | |
| | | | LE | | 15.0 | 103 | | | | | | | | |
| BJI | 40.8 | 21 | cP | 19 29 49.0 | -0.9 | | | | | | | | | |
| | | | PMZ | | m _B =5.9 | 7.0 | 1.52 | | | | | | | |
| | | | cPP | 19 31 30.0 | 3.2 | | | | | | | | | |
| | | | ScP | 19 35 41.0 | 2.2 | | | | | | | | | |
| | | | S | 19 36 04.0 | 4.1 | | | | | | | | | |
| | | | SMN | | m _B =6.4 | 12.0 | 4.62 | | MDJ | 17.0 | 271 | +iP | 21 49 10.8 | 0.1 |
| | | | SME | | | 12.0 | 5.65 | | CN2 | 20.1 | 271 | cP | 21 49 43.0 | -4.5 |
| | | | LN | Ms=7.5 | 14.0 | 231 | | | SNY | 22.1 | 268 | +P | 21 50 06.0 | -1.8 |
| | | | LE | | | 13.0 | 131 | | DL2 | 24.8 | 263 | cP | 21 50 34.0 | 0.4 |
| DL2 | 42.0 | 27 | eP | 19 30 02.0 | 2.1 | | | | eS | | | 21 54 48.0 | -4.3 | |
| | | | PMZ | | m _B =6.0 | 7.0 | 1.85 | | LE | | | Ms=4.6 | 11.0 | 0.61 |
| | | | pP | 19 30 09.0 | 3.3 | | | | BJI | 28.0 | 270 | cP | 21 51 01.5 | -1.8 |
| | | | PP | 19 31 47.0 | 6.8 | | | | eS | | | 21 55 44.0 | -0.8 | |
| | | | S | 19 36 20.0 | 2.0 | | | | LN | | | Ms=4.8 | 13.0 | 0.38 |
| | | | SME | | m _B =6.5 | 12.0 | 8.80 | | LE | | | | 13.0 | 0.97 |
| | | | LN | Ms=7.2 | 14.0 | 98.9 | | | NJ2 | 30.5 | 253 | +P | 21 51 25.0 | -1.1 |
| | | | LE | | | 12.0 | 80.2 | | HHC | 30.8 | 274 | -P | 21 51 28.0 | -0.4 |
| KSH | 42.5 | 334 | +P | 19 30 06.0 | 2.2 | | | | TIY | 31.6 | 268 | +P | 21 51 35.8 | -0.3 |
| | | | sP | 19 30 13.0 | 0.8 | | | | PMZ | | | | 0.8 | 0.030 |
| | | | PP | 19 31 46.0 | 1.3 | | | | eS | | | 21 56 40.0 | -3.3 | |
| | | | S | 19 36 24.0 | -0.5 | | | | LE | | | Ms=4.9 | 14.0 | 1.18 |
| | | | LN | Ms=6.7 | 13.0 | 39.7 | | | BTO | 31.9 | 275 | cP | 21 51 37.5 | -1.2 |
| WMQ | 42.6 | 348 | P | 19 30 03.8 | -0.6 | | | | eS | | | 21 56 41.0 | -6.9 | |
| | | | pP | 19 30 08.5 | -1.6 | | | | LN | | | Ms=4.9 | 15.0 | 1.00 |
| | | | PP | 19 31 50.0 | 4.6 | | | | LE | | | | 15.0 | 0.80 |
| | | | PcP | 19 32 00.0 | 3.5 | | | | WHN | 34.5 | 256 | cP | 21 52 00.0 | -0.3 |
| | | | ScP | 19 35 51.5 | 5.7 | | | | LZH | 38.4 | 272 | +iP | 21 52 34.5 | 0.8 |
| | | | S | 19 36 25.0 | -0.8 | | | | GTA | 39.4 | 279 | +P | 21 52 42.8 | 0.4 |
| | | | SME | | m _B =6.4 | 12.0 | 8.27 | | CD2 | 41.4 | 266 | cP | 21 52 58.4 | -0.1 |
| | | | LN | Ms=6.5 | 12.0 | 25.9 | | | GYA | 42.2 | 258 | +P | 21 53 05.2 | -0.4 |
| SNY | 45.3 | 26 | cP | 19 30 24.5 | -1.7 | | | | WMQ | 45.3 | 291 | +P | 21 53 30.0 | -0.5 |
| | | | sP | 19 30 33.0 | -1.8 | | | | KMI | 45.8 | 260 | +P | 21 53 33.0 | -1.2 |
| | | | PP | 19 32 16.0 | 3.8 | | | | KSH | 55.1 | 293 | cP | 21 54 46.0 | 1.0 |
| | | | iS | 19 37 08.0 | 1.9 | | | | | | | | | |
| | | | SMN | | | 36.0 | 19.9 | | | | | | | |

1987 4 25
O = 21 45 11.5 ± 0.08s
LAT = 46.94 N ± 2.58km
LONG = 153.83 E ± 1.43km
DEPTH = 21 km ± 1.28km
STATIONS USED = 68, STAND DEV = 1.32s
Ms = 4.9 / 10, m_B = 5.3 / 1

| | | | | | | | | |
|--|--|--|-----|------|-----|-----|------------|-----------|
| | | | MDJ | 17.0 | 271 | +iP | 21 49 10.8 | 0.1 |
| | | | CN2 | 20.1 | 271 | cP | 21 49 43.0 | -4.5 |
| | | | SNY | 22.1 | 268 | +P | 21 50 06.0 | -1.8 |
| | | | DL2 | 24.8 | 263 | cP | 21 50 34.0 | 0.4 |
| | | | | | | eS | 21 54 48.0 | -4.3 |
| | | | | | | LE | Ms=4.6 | 11.0 0.61 |
| | | | BJI | 28.0 | 270 | cP | 21 51 01.5 | -1.8 |
| | | | | | | eS | 21 55 44.0 | -0.8 |
| | | | | | | LN | Ms=4.8 | 13.0 0.38 |
| | | | | | | LE | | 13.0 0.97 |
| | | | NJ2 | 30.5 | 253 | +P | 21 51 25.0 | -1.1 |
| | | | HHC | 30.8 | 274 | -P | 21 51 28.0 | -0.4 |
| | | | TIY | 31.6 | 268 | +P | 21 51 35.8 | -0.3 |
| | | | | | | PMZ | | 0.8 0.030 |
| | | | | | | eS | 21 56 40.0 | -3.3 |
| | | | | | | LE | Ms=4.9 | 14.0 1.18 |
| | | | BTO | 31.9 | 275 | cP | 21 51 37.5 | -1.2 |
| | | | | | | eS | 21 56 41.0 | -6.9 |
| | | | | | | LN | Ms=4.9 | 15.0 1.00 |
| | | | | | | LE | | 15.0 0.80 |
| | | | WHN | 34.5 | 256 | cP | 21 52 00.0 | -0.3 |
| | | | LZH | 38.4 | 272 | +iP | 21 52 34.5 | 0.8 |
| | | | GTA | 39.4 | 279 | +P | 21 52 42.8 | 0.4 |
| | | | CD2 | 41.4 | 266 | cP | 21 52 58.4 | -0.1 |
| | | | GYA | 42.2 | 258 | +P | 21 53 05.2 | -0.4 |
| | | | WMQ | 45.3 | 291 | +P | 21 53 30.0 | -0.5 |
| | | | KMI | 45.8 | 260 | +P | 21 53 33.0 | -1.2 |
| | | | KSH | 55.1 | 293 | cP | 21 54 46.0 | 1.0 |

1987 4 25

O = 22 29 56.2 ± 0.06s
 LAT = 47.48 N ± 2.36km
 LONG = 153.28 E ± 2.07km
 DEPTH = 55 km ± 0.89km
 STATIONS USED = 22, STAND DEV = 1.84s

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 16.7 | 269 | eP | 22 33 50.0 | 2.1 |
| SNY | 21.8 | 266 | eP | 22 34 43.0 | -2.5 |
| XAN | 35.7 | 264 | eP | 22 36 50.2 | -1.6 |
| GTA | 39.0 | 278 | eP | 22 37 18.6 | -0.7 |
| CD2 | 41.1 | 264 | P | 22 37 34.8 | -1.7 |
| GYA | 42.0 | 257 | P | 22 37 41.8 | -2.4 |

1987 4 26

O = 06 21 27.2 ± 0.11s
 LAT = 12.32 S ± 2.09km
 LONG = 166.64 E ± 1.94km
 DEPTH = 80 km ± 1.67km
 STATIONS USED = 48, STAND DEV = 1.25s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| SSE | 61.4 | 316 | +P | 06 31 37.0 | -0.6 |
| | | | PMZ | | 1.0 0.050 |
| GZH | 62.9 | 304 | iP | 06 31 48.5 | 0.5 |
| NJ2 | 63.5 | 315 | +P | 06 31 51.6 | -0.4 |
| QZN | 64.1 | 298 | -P | 06 31 56.0 | 0.6 |
| MDJ | 65.9 | 332 | eP | 06 32 06.0 | -1.2 |
| WHN | 65.9 | 312 | P | 06 32 07.5 | 0.2 |
| DL2 | 66.0 | 323 | eP | 06 32 08.0 | -0.1 |
| CN2 | 67.3 | 329 | eP | 06 32 15.4 | -0.6 |
| GYA | 69.9 | 304 | +P | 06 32 32.0 | -0.1 |
| BJI | 70.0 | 321 | eP | 06 32 32.5 | -0.5 |
| TIY | 71.1 | 317 | P | 06 32 40.1 | 0.6 |
| XAN | 71.6 | 312 | +iP | 06 32 42.7 | 0.0 |
| KMI | 72.5 | 301 | +P | 06 32 49.0 | 0.7 |
| LZH | 76.3 | 312 | +iP | 06 33 10.5 | 0.8 |
| GTA | 80.6 | 314 | +P | 06 33 33.6 | 0.2 |
| WMQ | 90.6 | 315 | -P | 06 34 23.0 | 0.2 |

1987 4 26

O = 07 50 53.4 ± 0.21s
 LAT = 17.27 S ± 2.74km
 LONG = 174.81 W ± 2.69km
 DEPTH = 279 km ± 0.89km
 STATIONS USED = 75, STAND DEV = 1.47s

| | | | | | |
|-----|------|-----|----|------------|------|
| QZH | 77.2 | 301 | +P | 08 02 20.0 | 0.9 |
| | | | S | 08 11 50.0 | 6.5 |
| SSE | 78.0 | 308 | eP | 08 02 22.1 | -1.3 |
| | | | S | 08 11 52.0 | 0.4 |
| MDJ | 79.7 | 323 | -P | 08 02 32.0 | -0.3 |
| | | | pP | 08 03 34.0 | -3.1 |
| | | | sP | 08 04 02.0 | -4.2 |

| | | | | | | | |
|-----|------|-----|------|------------|----------------------|------|------|
| | | | S | 08 12 16.0 | 6.9 | | |
| | | | SME | | m _B = 5.6 | 6.0 | 0.94 |
| NJ2 | 80.2 | 308 | -iP | 08 02 34.5 | -0.6 | | |
| | | | PMZ | | m _B = 5.7 | 5.0 | 0.70 |
| | | | eSKS | 08 12 22.0 | 1.7 | | |
| GZH | 80.8 | 298 | -P | 08 02 39.0 | 0.7 | | |
| DL2 | 81.5 | 315 | -P | 08 02 42.0 | 0.1 | | |
| | | | eS | 08 12 34.0 | 4.5 | | |
| CN2 | 81.7 | 321 | -iP | 08 02 42.0 | -0.6 | | |
| | | | PMZ | | m _B = 6.0 | 4.0 | 1.00 |
| | | | pP | 08 03 49.0 | 1.4 | | |
| | | | S | 08 12 33.0 | 3.8 | | |
| | | | SME | | m _B = 5.5 | 7.0 | 0.80 |
| | | | sS | 08 14 30.0 | 5.7 | | |
| SNY | 81.7 | 318 | -iP | 08 02 42.8 | -0.3 | | |
| | | | PMZ | | | 3.0 | 1.02 |
| | | | iS | 08 12 38.0 | 6.2 | | |
| | | | SMN | | m _B = 5.7 | 8.0 | 0.45 |
| | | | SME | | | 6.0 | 1.11 |
| QZN | 82.4 | 293 | P | 08 02 47.0 | 0.8 | | |
| | | | sP | 08 04 23.5 | 3.2 | | |
| | | | eS | 08 12 40.0 | 2.1 | | |
| WHN | 83.0 | 305 | P | 08 02 50.5 | 0.9 | | |
| | | | PMZ | | m _B = 5.9 | 4.0 | 1.00 |
| | | | cpP | 08 03 56.0 | 1.2 | | |
| | | | SKS | 08 12 43.0 | 3.1 | | |
| | | | S | 08 12 48.0 | 5.0 | | |
| | | | SME | | m _B = 5.2 | 7.0 | 0.41 |
| TIA | 83.4 | 311 | eP | 08 02 51.4 | -0.1 | | |
| | | | pP | 08 03 56.0 | -0.7 | | |
| | | | S | 08 12 52.0 | 5.5 | | |
| | | | SME | | m _B = 5.3 | 8.0 | 0.53 |
| BJI | 85.8 | 314 | eP | 08 03 03.0 | -0.3 | | |
| | | | PMZ | | m _B = 5.5 | 4.0 | 0.63 |
| | | | pP | 08 04 11.0 | 2.1 | | |
| | | | eS | 08 13 12.0 | 0.7 | | |
| TIY | 87.4 | 311 | -iP | 08 03 12.0 | 0.7 | | |
| | | | PMZ | | | 1.2 | 0.12 |
| | | | LN | | | 36.0 | 0.99 |
| GYA | 87.7 | 298 | +P | 08 03 14.4 | 1.6 | | |
| | | | pP | 08 04 20.0 | 1.5 | | |
| XAN | 88.6 | 306 | -P | 08 03 17.4 | 0.5 | | |
| | | | sP | 08 04 50.0 | -1.6 | | |
| HHC | 89.3 | 313 | -P | 08 03 20.8 | 0.6 | | |
| BTO | 90.3 | 313 | -iP | 08 03 25.0 | 0.2 | | |
| | | | pP | 08 04 31.5 | 0.7 | | |
| | | | eSKS | 08 13 28.0 | 1.7 | | |
| | | | S | 08 13 57.0 | 5.8 | | |
| KMI | 90.6 | 296 | -iP | 08 03 27.5 | 1.1 | | |
| | | | PMZ | | | 3.0 | 0.70 |

| | | | | | |
|-----|------|-----|-----|------------|-----|
| CD2 | 91.6 | 302 | +P | 08 03 32.2 | 1.2 |
| LZH | 93.2 | 307 | -P | 08 03 39.0 | 0.5 |
| GTA | 97.3 | 309 | +iP | 08 03 57.1 | 0.2 |

1987 4 26
 O=09 05 52.6 ± 0.07s
 LAT=38.03 N ± 0.68km
 LONG= 99.49 E ± 0.71km
 DEPTH= 15 km ± 0.31km
 STATIONS USED = 6, STAND DEV= 3.19s

$M_L = 2.8 / 2,$

| | | | | | |
|-----|-----|----|------|------------|----------|
| GTA | 1.4 | 10 | -iPg | 09 06 15.2 | -2.5 |
| | | | Sg | 09 06 34.5 | -2.3 |
| | | | LN | | 6.0 0.25 |

1987 4 26
 O=11 57 31.1 ± 0.07s
 LAT=40.60 N ± 0.71km
 LONG=122.77 E ± 0.55km
 DEPTH= 15 km ± 0.01km
 STATIONS USED = 7, STAND DEV= 2.08s

$M_L = 2.9 / 7,$

| | | | | | |
|-----|-----|----|-----|-------------|----------|
| SNY | 1.4 | 26 | ePg | 11 57 53.4 | -2.0 |
| | | | Sg | 11 58 10.2 | -4.0 |
| | | | SMN | $M_L = 2.9$ | 0.4 0.22 |
| | | | SME | | 0.4 0.16 |

| | | | | | |
|-----|-----|-----|-----|-------------|----------|
| DL2 | 1.9 | 208 | ePg | 11 58 05.0 | 0.1 |
| | | | eSg | 11 58 31.0 | 0.0 |
| | | | SMN | $M_L = 3.5$ | 0.5 0.70 |
| | | | SME | | 0.5 0.18 |

| | | | | | |
|-----|-----|----|-----|-------------|-----------|
| CN2 | 3.8 | 31 | ePg | 11 58 40.4 | 2.7 |
| | | | eSg | 11 59 24.4 | -4.7 |
| | | | SMN | $M_L = 2.9$ | 0.6 0.030 |
| | | | SME | | 0.6 0.030 |

1987 4 26
 O=15 47 40.4 ± 0.13s
 LAT=57.32 S ± 4.02km
 LONG= 24.42 W ± 6.08km
 DEPTH= 32 km ± 1.07km
 STATIONS USED = 45, STAND DEV= 2.50s

$M_s = 5.9 / 10,$

| | | | | | |
|-----|-------|----|-------|-------------|-----------|
| KSH | 127.4 | 73 | PKP | 16 06 44.0 | 0.6 |
| | | | PKS | 16 10 20.0 | |
| | | | SKS | 16 13 54.0 | 5.4 |
| | | | eSKKS | 16 15 30.0 | |
| | | | LN | $M_s = 6.0$ | 13.0 1.20 |

| | | | | | |
|-----|-------|-----|------|------------|------|
| QZN | 129.1 | 119 | ePKP | 16 06 50.0 | 3.6 |
| | | | ePP | 16 08 57.0 | -0.9 |
| | | | PKS | 16 10 25.0 | |

| | | | | | |
|--|--|--|----|-------------|-----------|
| | | | SS | 16 26 07.0 | -5.5 |
| | | | LN | $M_s = 6.1$ | 21.0 1.50 |
| | | | LE | | 20.0 2.20 |

| | | | | | |
|-----|-------|----|------|-------------|-----------|
| GTA | 140.1 | 92 | ePKP | 16 07 05.7 | -1.4 |
| | | | PP | 16 10 03.5 | -3.7 |
| | | | PKS | 16 10 43.0 | |
| | | | LE | $M_s = 6.0$ | 17.0 1.65 |

| | | | | | |
|-----|-------|-----|------|-------------|-----------|
| WHN | 141.0 | 115 | ePKP | 16 07 04.5 | -3.9 |
| | | | PP | 16 10 08.0 | -4.2 |
| | | | LE | $M_s = 5.5$ | 20.0 0.61 |

| | | | | | |
|-----|-------|-----|------|-------------|-----------|
| XAN | 141.0 | 106 | ePKP | 16 07 08.0 | -0.6 |
| | | | LE | $M_s = 5.8$ | 16.0 0.95 |

| | | | | | |
|-----|-------|-----|------|-------------|-----------|
| NJ2 | 144.4 | 119 | +PKP | 16 07 13.0 | -1.3 |
| | | | LZ | $M_s = 5.7$ | 18.0 0.90 |

| | | | | | |
|-----|-------|-----|-----|-------------|-----------|
| SSE | 144.7 | 123 | PKP | 16 07 12.0 | -2.8 |
| | | | eSS | 16 29 20.0 | 3.5 |
| | | | LN | $M_s = 5.9$ | 12.0 0.52 |
| | | | LE | | 12.0 0.55 |

| | | | | | |
|-----|-------|-----|------|------------|------|
| TIY | 145.6 | 106 | +PKP | 16 07 17.2 | 0.6 |
| | | | SKS | 16 14 18.0 | -1.0 |
| | | | SKKS | 16 16 21.0 | |

| | | | | | |
|--|--|--|----|-------------|-----------|
| | | | LN | $M_s = 6.1$ | 17.0 1.23 |
| | | | LE | | 17.0 1.20 |

| | | | | | |
|-----|-------|-----|------|-------------|-----------|
| BTO | 146.5 | 100 | PKP | 16 07 19.4 | 1.3 |
| | | | pPKP | 16 07 31.0 | 3.6 |
| | | | LN | $M_s = 5.9$ | 17.0 0.70 |
| | | | LE | | 17.0 0.80 |

| | | | | | |
|-----|-------|-----|------|------------|-----|
| TIA | 146.9 | 113 | PKP | 16 07 21.3 | 2.6 |
| BJI | 149.3 | 107 | ePKP | 16 07 23.0 | 0.4 |

| | | | | | |
|-----|-------|-----|-------------------|------------|------|
| | | | ePKP ₂ | 16 07 27.0 | |
| DL2 | 151.2 | 115 | ePKP | 16 07 30.5 | 5.0 |
| SNY | 154.4 | 113 | ePKP | 16 07 23.0 | -7.0 |

| | | | | | |
|--|--|--|----|-------------|-----------|
| | | | LN | $M_s = 5.8$ | 20.0 0.90 |
| | | | LE | | 19.0 0.70 |

| | | | | | |
|-----|-------|-----|------|------------|------|
| CN2 | 156.8 | 113 | ePKP | 16 07 33.0 | -0.2 |
| | | | pPKP | 16 07 40.5 | -2.2 |
| | | | ePP | 16 11 43.0 | -0.3 |

| | | | | | |
|-----|-------|-----|------|------------|------|
| | | | SS | 16 31 25.0 | -5.3 |
| MDJ | 159.4 | 117 | ePKP | 16 07 37.0 | 0.5 |

| | | | | | |
|--|--|--|------------------|------------|-----|
| | | | PKP ₂ | 16 08 13.0 | |
| | | | PP | 16 12 00.0 | 2.5 |

1987 4 26
 O=20 02 06.5 ± 0.09s
 LAT=31.96 N ± 1.29km
 LONG=139.76 E ± 1.62km
 DEPTH=159 km ± 0.48km
 STATIONS USED = 86, STAND DEV= 1.26s
 $m_B = 5.1 / 4$

| | | | | | |
|-----|------|-----|----|------------|------|
| MDJ | 14.9 | 331 | eP | 20 05 30.2 | -0.6 |
|-----|------|-----|----|------------|------|

| | | | | | |
|-----|------|-----|----|------------|-----------|
| QZN | 11.8 | 251 | eP | 20 38 19.6 | 0.8 |
| GYA | 13.9 | 286 | P | 20 38 46.0 | -1.1 |
| BJI | 17.2 | 346 | eP | 20 39 32.5 | 3.1 |
| KMI | 17.3 | 280 | eP | 20 39 35.5 | 4.6 |
| CD2 | 17.6 | 299 | eP | 20 39 34.2 | 0.3 |
| BTO | 19.8 | 333 | eP | 20 40 02.5 | 2.5 |
| | | | eS | 20 43 35.0 | -1.9 |
| | | | LN | Ms=4.4 | 14.0 0.60 |
| | | | LE | | 14.0 0.50 |
| LZH | 20.0 | 313 | eP | 20 40 05.0 | 2.9 |
| GTA | 24.5 | 316 | eP | 20 40 46.7 | -0.5 |

1987 4 26

O=21 15 24.7 ± 0.09s
 LAT=38.21 N ± 0.82km
 LONG= 94.19 E ± 0.78km
 DEPTH= 16 km ± 0.34km
 STATIONS USED = 13, STAND DEV = 2.13s

$M_L=4.2/6,$

| | | | | | |
|-----|-----|-----|-----|------------|-----------|
| GTA | 4.6 | 73 | Pn | 21 16 34.0 | 0.4 |
| | | | Sn | 21 17 23.4 | -4.7 |
| WMQ | 7.4 | 321 | Pn | 21 17 16.5 | 3.3 |
| | | | Pg | 21 17 41.4 | 5.4 |
| | | | Sn | 21 18 42.0 | 2.5 |
| | | | Sg | 21 19 16.1 | -1.7 |
| | | | SMN | $M_L=4.2$ | 1.0 0.080 |

1987 4 27

O=04 38 36.6 ± 0.17s
 LAT= 3.08 S ± 2.72km
 LONG=101.47 E ± 2.66km
 DEPTH= 54 km ± 0.34km
 STATIONS USED = 70, STAND DEV = 1.85s

$M_s=4.8/7,$ $m_B=5.5/3$

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| QZN | 23.5 | 20 | eP | 04 43 44.4 | 2.1 |
| | | | eS | 04 47 53.0 | 4.8 |
| KMI | 28.1 | 2 | eP | 04 44 27.5 | 1.8 |
| | | | eS | 04 49 03.0 | -1.8 |
| GYA | 29.8 | 9 | P | 04 44 40.2 | -0.8 |
| CD2 | 33.9 | 4 | eP | 04 45 15.2 | -1.4 |
| | | | LN | Ms=4.8 | 20.0 1.24 |
| LSA | 34.1 | 344 | eP | 04 45 18.5 | -0.2 |
| WHN | 35.6 | 19 | eP | 04 45 25.5 | -6.1 |
| | | | LN | Ms=4.6 | 8.0 0.28 |
| XAN | 37.6 | 10 | +iP | 04 45 47.3 | -0.8 |
| NJ2 | 38.6 | 24 | -P | 04 46 00.6 | 3.7 |
| | | | ScP | 04 51 50.0 | 0.2 |
| SSE | 38.8 | 27 | eP | 04 46 00.2 | 1.7 |
| | | | eS | 04 51 52.0 | 0.1 |
| LZH | 39.0 | 3 | eP | 04 45 55.0 | -5.3 |

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| TIA | 41.7 | 19 | eP | 04 46 22.8 | 0.3 |
| TIY | 41.8 | 13 | eP | 04 46 24.5 | 1.0 |
| | | | LN | Ms=4.8 | 13.0 0.56 |
| GTA | 42.3 | 358 | P | 04 46 26.9 | -0.5 |
| | | | ScP | 04 52 03.9 | -0.3 |
| | | | ScS | 04 56 20.0 | -0.7 |
| | | | LE | Ms=4.7 | 16.0 0.50 |
| BTO | 44.2 | 9 | eP | 04 46 42.0 | -0.4 |
| | | | sP | 04 47 04.0 | 2.7 |
| | | | cS | 04 53 09.5 | -1.5 |
| HHC | 44.7 | 11 | eP | 04 46 47.0 | 0.4 |
| BJI | 45.0 | 16 | eP | 04 46 49.0 | 0.2 |
| WMQ | 48.3 | 347 | P | 04 47 15.9 | 0.9 |

PMZ 1.5 0.080

| | | | | | |
|-----|------|-----|-----|------------|----------|
| | | | ScP | 04 52 30.5 | 1.7 |
| | | | S | 04 54 08.8 | 0.3 |
| | | | SMN | $m_B=5.6$ | 4.0 0.33 |
| | | | ScS | 04 57 01.0 | 2.3 |
| KSH | 48.4 | 334 | eP | 04 47 18.0 | 2.2 |
| | | | pP | 04 47 31.0 | 2.0 |
| | | | eS | 04 54 12.0 | 0.8 |
| | | | SME | $m_B=5.4$ | 6.0 0.30 |
| | | | sS | 04 54 35.0 | 1.1 |
| SNY | 49.0 | 22 | eP | 04 47 15.4 | -5.0 |
| CN2 | 51.4 | 22 | +P | 04 47 36.0 | -2.7 |
| | | | pP | 04 47 53.5 | 1.4 |
| MDJ | 53.7 | 25 | eP | 04 47 55.5 | -0.6 |

1987 4 27

O=04 53 48.2 ± 0.07s
 LAT=44.48 N ± 2.12km
 LONG=149.60 E ± 1.59km
 DEPTH= 36 km ± 0.45km
 STATIONS USED = 31, STAND DEV = 1.25s

| | | | | | |
|-----|------|-----|----|------------|------|
| SNY | 19.1 | 271 | eP | 04 58 11.6 | 0.3 |
| BJI | 25.0 | 272 | eP | 04 59 10.0 | -0.7 |
| TIA | 26.0 | 263 | eP | 04 59 19.3 | -0.2 |
| NJ2 | 27.0 | 253 | eP | 04 59 32.0 | 3.2 |
| BTO | 29.2 | 276 | eP | 04 59 52.8 | 3.6 |
| LZH | 35.5 | 272 | eP | 05 00 44.5 | 0.3 |
| GTA | 36.9 | 280 | +P | 05 00 55.4 | -0.6 |
| CD2 | 38.2 | 265 | eP | 05 01 06.2 | -0.7 |
| GYA | 38.8 | 257 | P | 05 01 10.0 | -1.8 |
| KMI | 42.4 | 259 | eP | 05 01 42.0 | 0.5 |

1987 4 27

O=05 23 35.5 ± 0.06s
 LAT=27.63 N ± 1.33km
 LONG=139.97 E ± 1.47km
 DEPTH=483 km ± 0.97km

STATIONS USED = 70, STAND DEV = 0.99s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| SSE | 16.7 | 286 | eP | 05 27 02.0 | -2.2 |
| NJ2 | 18.8 | 289 | +P | 05 27 25.4 | 0.6 |
| | | | ScP | 05 34 18.8 | 1.0 |
| MDJ | 18.9 | 337 | eP | 05 27 24.0 | -1.3 |
| DL2 | 19.0 | 311 | eP | 05 27 25.0 | -1.2 |
| SNY | 19.5 | 321 | -iP | 05 27 31.8 | 0.7 |
| CN2 | 19.9 | 328 | +P | 05 27 36.0 | 0.7 |
| | | | ScP | 05 34 20.0 | -0.3 |
| TIA | 21.2 | 300 | eP | 05 27 46.9 | 0.1 |
| WHN | 22.6 | 284 | eP | 05 28 00.0 | 0.2 |
| BJI | 23.2 | 308 | eP | 05 28 05.0 | -0.9 |
| TIY | 25.2 | 300 | +P | 05 28 23.6 | 0.1 |
| XAN | 27.3 | 291 | -P | 05 28 42.3 | -0.3 |
| BTO | 27.8 | 305 | eP | 05 28 45.8 | -1.0 |
| GYA | 29.6 | 276 | -P | 05 29 01.6 | -1.1 |
| CD2 | 31.7 | 285 | -iP | 05 29 20.0 | 0.0 |
| | | | PMZ | | 0.8 0.080 |
| LZH | 31.7 | 295 | -iP | 05 29 19.5 | -0.7 |
| | | | PMZ | | 1.5 0.070 |
| KMI | 33.4 | 274 | -P | 05 29 35.5 | 1.0 |
| GTA | 35.2 | 300 | -iP | 05 29 49.0 | -0.9 |
| LSA | 42.6 | 285 | P | 05 30 51.0 | 0.3 |
| WMQ | 44.7 | 305 | -P | 05 31 06.6 | 0.4 |
| KSH | 53.6 | 300 | eP | 05 32 14.5 | 1.3 |
| | | | eS | 05 39 07.0 | -3.1 |

1987 4 27

O=06 20 46.1 ± 0.07s
 LAT= 6.03 S ± 0.88km
 LONG=130.49 E ± 1.09km
 DEPTH=149 km ± 0.21km

STATIONS USED = 74, STAND DEV = 0.80s

$m_b = 5.5 / 1$

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| QZN | 32.1 | 321 | eP | 06 27 02.0 | -0.1 |
| | | | eS | 06 32 05.0 | 2.2 |
| | | | eSS | 06 34 12.0 | 5.0 |
| SSE | 38.0 | 347 | +P | 06 27 52.0 | 0.6 |
| | | | PMZ | | 1.0 0.030 |
| NJ2 | 39.5 | 344 | -P | 06 28 04.5 | 0.8 |
| WHN | 39.5 | 338 | P | 06 28 06.2 | 2.0 |
| GYA | 39.7 | 325 | +P | 06 28 05.0 | -0.9 |
| KMI | 41.1 | 320 | +P | 06 28 18.5 | 1.2 |
| TIA | 43.8 | 344 | eP | 06 28 39.0 | -0.5 |
| CD2 | 44.8 | 327 | +P | 06 28 46.4 | -0.4 |
| XAN | 44.8 | 334 | +iP | 06 28 46.7 | -0.3 |
| TIY | 46.7 | 340 | +P | 06 29 01.6 | -0.3 |
| BJI | 47.7 | 345 | eP | 06 29 09.5 | -0.4 |
| SNY | 48.0 | 353 | -iP | 06 29 12.2 | -0.4 |
| LZH | 48.8 | 331 | +iP | 06 29 18.5 | 0.0 |

PMZ

| | | | | | |
|-----|------|-----|-----|------------|------|
| CN2 | 49.8 | 355 | P | 06 29 25.2 | -0.9 |
| MDJ | 50.4 | 359 | +P | 06 29 30.2 | -0.6 |
| LSA | 51.8 | 315 | +P | 06 29 41.5 | -0.5 |
| GTA | 53.4 | 330 | +iP | 06 29 53.0 | 0.0 |
| WMQ | 62.8 | 326 | P | 06 30 59.0 | 0.0 |
| KSH | 67.6 | 317 | eP | 06 31 31.0 | 1.4 |

1987 4 27

O=07 45 44.0 ± 0.12s
 LAT= 4.80 S ± 0.86km
 LONG=153.72 E ± 1.64km
 DEPTH=100 km ± 0.53km

STATIONS USED = 51, STAND DEV = 1.11s

| | | | | | |
|-----|------|-----|-----|------------|-----------|
| WHN | 51.5 | 316 | eP | 07 54 42.5 | 0.6 |
| TIA | 53.3 | 323 | eP | 07 54 54.1 | -1.1 |
| GYA | 55.1 | 307 | P | 07 55 09.4 | 0.5 |
| BJI | 56.4 | 326 | eP | 07 55 16.0 | -1.9 |
| XAN | 57.3 | 316 | +iP | 07 55 23.4 | -0.6 |
| CD2 | 59.4 | 310 | +iP | 07 55 39.2 | 0.1 |
| | | | PMZ | | 0.8 0.090 |
| LZH | 61.9 | 315 | +iP | 07 55 56.5 | 0.7 |
| | | | PMZ | | 1.0 0.080 |
| GTA | 66.3 | 317 | +iP | 07 56 24.9 | 0.3 |
| LSA | 69.0 | 304 | +P | 07 56 41.6 | -0.2 |
| WMQ | 76.4 | 317 | P | 07 57 25.0 | 0.3 |
| KSH | 83.6 | 310 | eP | 07 58 06.0 | 2.4 |

1987 4 27

O=10 09 54.7 ± 0.10s
 LAT=45.66 N ± 0.75km
 LONG=130.03 E ± 0.98km
 DEPTH= 13 km ± 0.41km

STATIONS USED = 7, STAND DEV = 4.06s

$M_L = 2.9 / 6,$

| | | | | | |
|-----|-----|-----|-----|-------------|----------|
| MDJ | 1.1 | 197 | +Pg | 10 10 13.0 | -1.1 |
| | | | Sg | 10 10 27.5 | -1.5 |
| | | | SME | $M_L = 3.0$ | 0.4 0.34 |
| CN2 | 3.8 | 242 | ePg | 10 11 04.0 | 2.8 |
| | | | eSg | 10 11 49.0 | -3.5 |

1987 4 27

O=11 47 35.8 ± 0.16s
 LAT=40.58 N ± 1.46km
 LONG= 79.77 E ± 1.79km
 DEPTH= 22 km ± 0.51km

STATIONS USED = 9, STAND DEV = 4.14s

$M_L = 3.8 / 4,$

| | | | | | |
|-----|-----|-----|----|------------|-----|
| KSH | 3.1 | 250 | Pn | 11 48 24.8 | 0.4 |
| | | | Sn | 11 49 04.8 | 2.1 |

| | | | | | |
|-----|------|-----|----|------------|------|
| CN2 | 81.4 | 320 | eP | 22 00 05.0 | 0.4 |
| SNY | 81.5 | 318 | eP | 22 00 06.9 | 1.6 |
| BJI | 85.7 | 314 | eP | 22 00 27.0 | 0.8 |
| TIY | 87.4 | 310 | eP | 22 00 33.1 | -1.6 |
| GYA | 87.9 | 298 | P | 22 00 38.4 | 1.1 |
| XAN | 88.7 | 306 | eP | 22 00 39.2 | -1.7 |
| HHC | 89.2 | 313 | eP | 22 00 45.2 | 1.7 |
| BTO | 90.2 | 312 | eP | 22 00 48.3 | 0.1 |
| GTA | 97.3 | 309 | eP | 22 01 21.4 | 0.8 |

1987 4 28

O = 00 01 16.8 ± 0.11s
 LAT = 38.72 S ± 1.76km
 LONG = 47.38 E ± 1.46km
 DEPTH = 10 km ± 0.21km
 STATIONS USED = 21, STAND DEV = 0.81s

| | | | | | |
|-----|------|----|----|------------|------|
| LSA | 79.4 | 38 | -P | 00 13 25.7 | -0.3 |
| KMI | 81.9 | 49 | eP | 00 13 40.0 | 0.6 |
| | | | S | 00 23 52.0 | 1.3 |
| KSH | 82.1 | 22 | eP | 00 13 41.0 | 0.9 |
| | | | eS | 00 23 52.0 | -2.2 |
| GYA | 85.3 | 51 | P | 00 13 57.0 | 0.7 |
| CD2 | 86.9 | 46 | eP | 00 14 04.2 | 0.0 |

1987 4 28

O = 02 11 06.0 ± 0.15s
 LAT = 5.20 S ± 3.93km
 LONG = 68.89 E ± 3.12km
 DEPTH = 6 km ± 0.51km
 STATIONS USED = 48, STAND DEV = 1.75s

Ms = 4.7 / 2,

| | | | | | |
|-----|------|----|-----|------------|-----------|
| LSA | 40.7 | 30 | -P | 02 18 51.3 | 1.0 |
| GYA | 48.3 | 47 | P | 02 19 50.0 | -0.4 |
| CD2 | 49.0 | 41 | -iP | 02 19 55.8 | -0.1 |
| WMQ | 51.7 | 17 | P | 02 20 16.4 | 0.0 |
| LZH | 52.5 | 36 | eP | 02 20 22.5 | -0.5 |
| GTA | 52.8 | 30 | +P | 02 20 24.0 | -0.8 |
| XAN | 54.3 | 41 | +P | 02 20 34.8 | -1.4 |
| WHN | 56.1 | 48 | eP | 02 20 50.0 | 0.7 |
| TIY | 58.8 | 40 | eP | 02 21 08.0 | -0.4 |
| | | | LE | Ms = 4.8 | 15.0 0.32 |
| NJ2 | 60.2 | 49 | -P | 02 21 17.5 | -0.5 |
| SSE | 61.6 | 51 | P | 02 21 26.6 | -0.4 |
| | | | sP | 02 21 34.0 | -0.5 |
| BJI | 62.5 | 39 | eP | 02 21 31.0 | -2.6 |
| SNY | 68.3 | 41 | eP | 02 22 09.4 | -1.0 |
| CN2 | 70.4 | 40 | eP | 02 22 26.0 | 2.3 |
| MDJ | 73.4 | 41 | eP | 02 22 41.5 | -0.3 |

1987 4 28

O = 13 27 10.1 ± 0.07s
 LAT = 3.38 S ± 1.00km
 LONG = 134.49 E ± 1.06km
 DEPTH = 34 km ± 0.15km
 STATIONS USED = 33, STAND DEV = 0.95s

| | | | | | |
|-----|------|-----|----|------------|------|
| WHN | 38.8 | 332 | eP | 13 34 35.0 | 1.0 |
| GYA | 40.1 | 319 | P | 13 34 43.0 | -1.2 |
| KMI | 41.9 | 314 | eP | 13 35 00.5 | 1.2 |
| XAN | 44.3 | 329 | eP | 13 35 19.0 | -0.3 |
| CD2 | 45.0 | 322 | eP | 13 35 24.2 | -0.1 |
| TIY | 45.7 | 335 | eP | 13 35 30.9 | 0.5 |
| BJI | 46.4 | 341 | eP | 13 35 35.0 | -0.4 |
| LZH | 48.6 | 327 | eP | 13 35 53.5 | 0.5 |
| LSA | 52.9 | 312 | eP | 13 36 26.2 | 0.0 |
| GTA | 53.2 | 327 | P | 13 36 28.0 | 0.1 |
| WMQ | 63.0 | 324 | P | 13 37 37.0 | 0.6 |

1987 4 28

O = 15 32 30.6 ± 0.12s
 LAT = 2.05 N ± 2.24km
 LONG = 99.06 E ± 2.18km
 DEPTH = 25 km ± 0.39km
 STATIONS USED = 94, STAND DEV = 1.62s

Ms = 6.1 / 47,

m_B = 5.6 / 8

| | | | | | |
|-----|------|-----|-----|----------------------|-----------|
| QZN | 19.9 | 31 | -P | 15 37 05.0 | 1.5 |
| | | | eS | 15 40 43.0 | 1.7 |
| | | | sS | 15 40 58.0 | 6.3 |
| | | | LN | Ms = 6.1 | 10.0 14.6 |
| | | | LE | | 12.0 26.7 |
| KMI | 23.2 | 8 | -P | 15 37 39.0 | 1.8 |
| | | | PMZ | m _B = 5.7 | 4.0 1.30 |
| | | | PP | 15 38 14.0 | 6.8 |
| | | | LN | Ms = 5.9 | 12.0 16.7 |
| GZH | 25.1 | 32 | eP | 15 37 58.0 | 2.9 |
| | | | S | 15 42 19.0 | 4.1 |
| | | | SMN | | 14.0 6.78 |
| | | | SME | | 12.0 4.58 |
| | | | LN | Ms = 6.0 | 11.0 10.1 |
| | | | LE | | 12.0 16.5 |
| GYA | 25.3 | 16 | -P | 15 37 58.0 | 0.3 |
| | | | S | 15 42 19.8 | 0.5 |
| LSA | 28.5 | 345 | -P | 15 38 25.0 | -2.0 |
| | | | ePP | 15 39 18.0 | 0.1 |
| | | | SS | 15 44 32.0 | -4.3 |
| | | | LE | Ms = 5.4 | 17.0 5.47 |
| CD2 | 29.0 | 8 | eP | 15 38 29.8 | -1.6 |
| | | | S | 15 43 20.0 | 0.7 |
| QZH | 29.6 | 38 | eP | 15 38 35.4 | -0.4 |
| | | | eS | 15 43 22.5 | -5.6 |
| | | | LN | Ms = 6.3 | 15.0 12.8 |

DEPTH = 29 km \pm 1.45km
 STATIONS USED = 12, STAND DEV = 2.06s
 Ms = 5.1 / 1,

| | | | | | | | |
|-----|------|----|----|------------|-----|----------|-----------|
| WMQ | 30.1 | 49 | P | 22 47 44.2 | 1.1 | | |
| KMI | 41.7 | 82 | -P | 22 49 22.5 | 0.4 | | |
| | | | LE | | | Ms = 5.1 | 12.0 0.90 |

1987 4 28
 O = 22 44 32.5 \pm 0.12s
 LAT = 1.98 N \pm 2.26km
 LONG = 99.05 E \pm 1.92km
 DEPTH = 32 km \pm 0.64km
 STATIONS USED = 28, STAND DEV = 1.68s
 Ms = 4.9 / 5,

| | | | | | | | |
|-----|------|-----|----|------------|------|----------|-----------|
| QZN | 20.0 | 31 | P | 22 49 07.2 | 2.2 | | |
| | | | LN | | | Ms = 4.7 | 11.0 0.60 |
| | | | LE | | | | 13.0 1.10 |
| GYA | 25.4 | 16 | P | 22 50 01.2 | 2.1 | | |
| | | | LN | | | Ms = 4.9 | 14.0 1.20 |
| | | | LE | | | | 14.0 1.10 |
| CD2 | 29.1 | 8 | eP | 22 50 31.3 | -1.5 | | |
| | | | LE | | | Ms = 4.8 | 11.0 0.78 |
| XAN | 33.2 | 15 | eP | 22 51 07.6 | -1.3 | | |
| LZH | 34.2 | 7 | eP | 22 51 16.5 | -1.3 | | |
| GTA | 37.3 | 1 | P | 22 51 42.6 | -1.0 | | |
| BTO | 39.7 | 13 | eP | 22 52 03.8 | -0.1 | | |
| | | | LN | | | Ms = 4.9 | 14.0 0.60 |
| | | | LE | | | | 12.0 0.30 |
| BJI | 41.0 | 20 | eP | 22 52 15.5 | 1.4 | | |
| WMQ | 42.9 | 348 | P | 22 52 30.5 | 0.6 | | |
| CN2 | 47.8 | 26 | eP | 22 53 06.0 | -3.1 | | |
| MDJ | 50.3 | 28 | eP | 22 53 29.5 | 1.0 | | |

1987 4 28
 O = 23 03 11.2 \pm 0.04s
 LAT = 2.84 N \pm 1.43km
 LONG = 65.83 E \pm 2.13km
 DEPTH = 7 km \pm 0.70km
 STATIONS USED = 22, STAND DEV = 1.04s

| | | | | | | | |
|-----|------|----|----|------------|------|--|--|
| KMI | 41.9 | 55 | eP | 23 11 05.0 | 0.7 | | |
| WMQ | 45.2 | 22 | P | 23 11 31.2 | 0.1 | | |
| GYA | 45.6 | 55 | P | 23 11 33.4 | -1.3 | | |
| GTA | 47.7 | 36 | eP | 23 11 51.9 | 0.6 | | |
| XAN | 50.7 | 47 | eP | 23 12 13.7 | -0.5 | | |
| WHN | 53.4 | 54 | eP | 23 12 35.5 | 0.9 | | |
| TIA | 57.7 | 48 | eP | 23 13 05.0 | -0.6 | | |

1987 4 29
 O = 01 45 22.8 \pm 0.09s
 LAT = 27.60 N \pm 1.88km

LONG = 56.03 E \pm 1.91km
 DEPTH = 15 km \pm 0.44km
 STATIONS USED = 94, STAND DEV = 0.87s
 Ms = 5.6 / 45, $m_B = 5.9 / 27$

| | | | | | | | |
|-----|------|----|-----|------------|------|-------------|-----------|
| KSH | 20.4 | 49 | P | 01 50 01.0 | -1.0 | | |
| | | | eS | 01 53 38.0 | -7.0 | | |
| | | | LN | | | Ms = 6.2 | 8.0 27.3 |
| WMQ | 30.2 | 49 | +iP | 01 51 35.6 | 0.6 | | |
| | | | PMZ | | | | 1.7 0.57 |
| | | | sP | 01 51 43.0 | -1.2 | | |
| | | | S | 01 56 35.0 | 3.6 | | |
| | | | SME | | | $m_B = 5.9$ | 12.0 3.46 |
| | | | LN | | | Ms = 5.8 | 28.0 19.8 |
| LSA | 30.8 | 78 | +P | 01 51 41.5 | 0.2 | | |
| | | | sP | 01 51 54.0 | 3.9 | | |
| | | | PP | 01 52 41.0 | -0.4 | | |
| | | | S | 01 56 46.0 | 4.0 | | |
| | | | SMN | | | $m_B = 5.6$ | 7.0 0.93 |
| | | | LN | | | Ms = 5.2 | 11.0 1.71 |
| GTA | 38.0 | 60 | +iP | 01 52 43.3 | 0.4 | | |
| | | | PMZ | | | $m_B = 5.8$ | 6.5 1.14 |
| | | | PP | 01 54 16.5 | 4.3 | | |
| | | | S | 01 58 39.0 | 5.6 | | |
| | | | SMN | | | $m_B = 5.6$ | 9.0 0.78 |
| | | | SME | | | | 8.0 0.54 |
| | | | LE | | | Ms = 5.5 | 12.0 2.95 |
| LZH | 41.2 | 66 | +iP | 01 53 09.5 | 0.6 | | |
| | | | PMZ | | | | 2.0 0.32 |
| | | | ScP | 01 58 51.0 | -4.7 | | |
| | | | S | 01 59 26.0 | 5.6 | | |
| | | | LN | | | Ms = 5.6 | 14.0 4.02 |
| CD2 | 41.5 | 74 | eP | 01 53 11.3 | -0.5 | | |
| | | | S | 01 59 29.0 | 3.0 | | |
| | | | LN | | | Ms = 5.7 | 14.0 4.50 |
| KMI | 41.7 | 82 | +iP | 01 53 14.5 | 0.8 | | |
| | | | PP | 01 54 52.0 | -1.0 | | |
| | | | S | 01 59 32.0 | 2.8 | | |
| | | | SMN | | | $m_B = 6.2$ | 8.0 3.00 |
| GYA | 44.9 | 79 | +P | 01 53 37.6 | -1.4 | | |
| | | | PMZ | | | | 1.4 0.30 |
| | | | sP | 01 53 44.8 | -3.4 | | |
| | | | PcP | 01 55 20.0 | -0.2 | | |
| | | | ScP | 01 59 13.0 | 2.4 | | |
| | | | S | 02 00 13.0 | -1.7 | | |
| | | | LN | | | Ms = 5.6 | 18.0 3.70 |
| | | | LE | | | | 19.0 2.30 |
| XAN | 45.5 | 68 | +P | 01 53 43.4 | -0.3 | | |
| | | | S | 02 00 21.0 | -2.3 | | |
| BTO | 45.9 | 59 | +iP | 01 53 45.7 | -1.5 | | |
| | | | pP | 01 53 51.5 | -1.9 | | |

| | | | | | | | | |
|-----|------|-----|-----|-------------|------|------|--|--|
| | | | S | 05 18 49.0 | 2.1 | | | |
| CD2 | 10.6 | 48 | eP | 05 18 03.8 | -1.0 | | | |
| | | | S | 05 20 04.5 | 2.9 | | | |
| GYA | 11.2 | 75 | P | 05 18 11.4 | -1.3 | | | |
| | | | sP | 05 18 37.4 | -3.6 | | | |
| | | | S | 05 20 12.0 | -3.8 | | | |
| | | | ScP | 05 27 21.6 | -0.1 | | | |
| | | | ScS | 05 30 55.0 | -0.9 | | | |
| LZH | 14.4 | 32 | eP | 05 18 52.5 | -1.9 | | | |
| QZN | 15.1 | 107 | -P | 05 19 07.8 | 4.5 | | | |
| GTA | 15.9 | 15 | P | 05 19 11.9 | -1.8 | | | |
| | | | S | 05 22 03.0 | -2.8 | | | |
| | | | PcP | 05 24 06.4 | 0.2 | | | |
| | | | ScP | 05 27 29.6 | 0.2 | | | |
| | | | ScS | 05 31 07.8 | 0.8 | | | |
| XAN | 16.0 | 48 | eP | 05 19 11.6 | -2.9 | | | |
| | | | S | 05 22 10.0 | 2.5 | | | |
| GZH | 17.2 | 90 | eP | 05 19 31.0 | 0.8 | | | |
| WHN | 18.7 | 66 | P | 05 19 48.0 | 0.7 | | | |
| | | | S | 05 23 14.0 | 5.6 | | | |
| | | | SMN | $m_B = 5.4$ | 4.0 | 0.43 | | |
| | | | sS | 05 23 34.0 | 2.7 | | | |
| TIY | 20.4 | 44 | eP | 05 20 03.8 | -1.8 | | | |
| | | | S | 05 23 45.5 | 2.7 | | | |
| WMQ | 20.4 | 346 | -iP | 05 20 07.1 | 1.2 | | | |
| | | | PMZ | | 1.7 | 0.12 | | |
| | | | PP | 05 20 31.0 | -0.6 | | | |
| | | | SMN | | 3.0 | 0.30 | | |
| | | | ScS | 05 31 22.0 | 1.1 | | | |
| BTO | 20.9 | 35 | eP | 05 20 07.1 | -3.8 | | | |
| | | | pP | 05 20 27.0 | -4.9 | | | |
| KSH | 21.9 | 319 | eP | 05 20 24.0 | 3.2 | | | |
| | | | pP | 05 20 45.0 | 2.7 | | | |
| | | | eS | 05 24 16.0 | 4.4 | | | |
| HHC | 21.9 | 36 | eP | 05 20 20.0 | -0.9 | | | |
| NJ2 | 22.8 | 64 | -P | 05 20 29.4 | 0.2 | | | |
| | | | pP | 05 20 54.5 | 3.3 | | | |
| | | | ScP | 05 27 45.0 | 0.0 | | | |
| TIA | 22.9 | 53 | eP | 05 20 29.6 | -0.2 | | | |
| BJI | 24.1 | 44 | P | 05 20 42.0 | 0.0 | | | |
| SSE | 24.6 | 68 | P | 05 20 46.5 | 0.5 | | | |
| | | | pP | 05 21 05.7 | -2.6 | | | |
| CN2 | 32.0 | 45 | eP | 05 21 54.0 | 0.7 | | | |
| | | | cpP | 05 22 16.0 | -0.5 | | | |

STATIONS USED = 81, STAND DEV = 1.92s

$m_B = 6.3 / 51$

| | | | | | | | | |
|-----|------|-----|-----|-------------|------|------|------|--|
| QZH | 75.8 | 303 | -iP | 14 38 42.0 | -0.4 | | | |
| | | | PMZ | | | 3.0 | 2.19 | |
| | | | pP | 14 40 12.0 | 2.7 | | | |
| | | | PP | 14 41 37.0 | -2.8 | | | |
| | | | iS | 14 47 54.0 | 1.8 | | | |
| | | | SME | $m_B = 6.1$ | 12.0 | 7.97 | | |
| | | | ScS | 14 48 20.0 | 3.6 | | | |
| SSE | 77.0 | 310 | -P | 14 38 48.0 | -0.6 | | | |
| | | | PMZ | | | 1.0 | 0.15 | |
| | | | pP | 14 40 16.0 | 0.4 | | | |
| | | | iS | 14 48 04.0 | -0.1 | | | |
| | | | SMN | $m_B = 6.0$ | 8.0 | 1.26 | | |
| | | | SME | | 8.0 | 3.79 | | |
| | | | SKS | 14 48 18.0 | 0.2 | | | |
| | | | ScS | 14 48 27.0 | 1.6 | | | |
| | | | SS | 14 53 14.0 | 1.9 | | | |
| NJ2 | 79.1 | 309 | -P | 14 39 00.7 | 0.3 | | | |
| | | | PMZ | $m_B = 6.1$ | 5.0 | 2.00 | | |
| | | | pP | 14 40 30.0 | 2.1 | | | |
| | | | iS | 14 48 30.0 | 2.7 | | | |
| | | | SME | $m_B = 6.1$ | 9.0 | 5.30 | | |
| GZH | 79.2 | 299 | -iP | 14 39 02.0 | 1.1 | | | |
| | | | PMZ | $m_B = 6.3$ | 4.0 | 2.09 | | |
| | | | pP | 14 40 28.0 | -0.4 | | | |
| | | | iS | 14 48 30.5 | 2.3 | | | |
| | | | SMN | $m_B = 6.2$ | 10.0 | 3.08 | | |
| | | | SME | | 13.0 | 8.74 | | |
| MDJ | 79.5 | 325 | -P | 14 39 02.0 | -0.1 | | | |
| | | | PMZ | | 3.0 | 4.77 | | |
| | | | pP | 14 40 30.0 | 0.4 | | | |
| | | | sP | 14 41 10.0 | 0.4 | | | |
| | | | PP | 14 42 06.0 | -3.5 | | | |
| | | | S | 14 48 34.0 | 5.1 | | | |
| | | | SME | $m_B = 6.5$ | 9.0 | 16.0 | | |
| | | | sS | 14 51 08.0 | 4.2 | | | |
| QZN | 80.5 | 294 | -iP | 14 39 08.0 | 0.4 | | | |
| | | | pP | 14 40 39.0 | 3.7 | | | |
| | | | PP | 14 42 23.0 | 4.6 | | | |
| | | | S | 14 48 43.5 | 3.8 | | | |
| | | | SMN | | 15.0 | 2.40 | | |
| | | | SME | | 11.5 | 5.10 | | |
| DL2 | 80.8 | 316 | -P | 14 39 09.0 | -0.3 | | | |
| | | | PMZ | $m_B = 6.3$ | 4.0 | 2.28 | | |
| | | | pP | 14 40 38.0 | 0.9 | | | |
| | | | PP | 14 42 19.0 | -2.3 | | | |
| | | | S | 14 48 45.0 | 2.0 | | | |
| | | | SMN | $m_B = 6.2$ | 8.0 | 4.57 | | |
| | | | SME | | 8.0 | 4.94 | | |

1987 4 29

$O = 14 27 35.9 \pm 0.14s$
 $LAT = 19.00 S \pm 2.18km$
 $LONG = 177.70 W \pm 1.12km$
 $DEPTH = 391 km \pm 1.74km$

| | | | | | | | | | | | | | | | |
|-----|------|-----|-----|------------|------|------|------------|------|------|------------|------|------|------------|------|--|
| SNY | 81.2 | 320 | +P | 14 39 10.8 | -0.6 | | | | pP | 14 41 17.0 | 0.5 | | | | |
| | | | PMZ | | | | 3.0 | 2.51 | SKS | 14 49 37.0 | 0.9 | | | | |
| | | | pP | 14 40 39.0 | -0.3 | | | | S | 14 49 58.5 | 1.7 | | | | |
| | | | S | 14 48 48.0 | 0.8 | | | | SMN | $m_B=6.2$ | | 8.0 | 2.58 | | |
| | | | SMN | $m_B=6.4$ | | 8.0 | 5.93 | | SME | | | 8.0 | 3.95 | | |
| | | | SME | | | 8.0 | 7.12 | | KMI | 88.9 | 297 | +P | 14 39 50.0 | 0.8 | |
| CN2 | 81.3 | 322 | -iP | 14 39 11.0 | -0.6 | | | | pP | 14 41 23.5 | 5.0 | | | | |
| | | | PMZ | $m_B=6.4$ | | 6.0 | 4.00 | | SKS | 14 49 42.0 | 3.3 | | | | |
| | | | pP | 14 40 38.0 | -1.5 | | | | iS | 14 50 08.0 | 5.3 | | | | |
| | | | PP | 14 42 20.0 | -5.0 | | | | SME | | | 16.0 | 11.8 | | |
| | | | S | 14 48 45.0 | -2.6 | | | | BTO | 89.5 | 313 | -iP | 14 39 52.0 | 0.4 | |
| | | | SME | $m_B=6.4$ | | 8.0 | 10.5 | | PMZ | $m_B=6.0$ | | 4.0 | 1.10 | | |
| WHN | 81.8 | 306 | -iP | 14 39 15.0 | 0.8 | | | | pP | 14 41 24.0 | 2.9 | | | | |
| | | | PMZ | $m_B=6.4$ | | 4.0 | 2.58 | | ePP | 14 43 29.0 | -1.4 | | | | |
| | | | pP | 14 40 44.0 | 1.7 | | | | iSKS | 14 49 43.0 | 1.2 | | | | |
| | | | PP | 14 42 22.0 | -6.9 | | | | iS | 14 50 06.0 | -1.3 | | | | |
| | | | iS | 14 48 58.0 | 3.8 | | | | SMN | $m_B=6.5$ | | 8.0 | 2.10 | | |
| | | | SME | $m_B=5.9$ | | 10.0 | 4.17 | | SME | | | 9.0 | 9.00 | | |
| TIA | 82.5 | 312 | +P | 14 39 17.1 | -0.6 | | | | CD2 | 90.2 | 303 | P | 14 39 55.6 | 0.6 | |
| | | | PMZ | $m_B=6.3$ | | 4.0 | 2.15 | | pP | 14 41 26.0 | 1.2 | | | | |
| | | | pP | 14 40 45.5 | -0.4 | | | | SKS | 14 49 47.0 | 0.6 | | | | |
| | | | sP | 14 41 23.6 | -2.1 | | | | SME | $m_B=6.8$ | | 10.0 | 21.5 | | |
| | | | PP | 14 42 28.0 | -6.3 | | | | LZH | 92.1 | 307 | +iP | 14 40 04.5 | 0.6 | |
| | | | iS | 14 49 00.0 | -1.2 | | | | PMZ | | | 1.5 | 0.37 | | |
| | | | SMN | $m_B=6.5$ | | 9.0 | 5.84 | | pP | 14 41 38.5 | 5.0 | | | | |
| | | | SME | | | 9.0 | 11.8 | | PP | 14 43 55.0 | 3.7 | | | | |
| | | | sS | 14 51 38.0 | 2.4 | | | | SKS | 14 49 57.0 | 0.1 | | | | |
| | | | SS | 14 54 30.0 | -4.2 | | | | S | 14 50 33.0 | 4.6 | | | | |
| BJI | 85.0 | 315 | eP | 14 39 30.0 | -0.4 | | | | GTA | 96.2 | 309 | -P | 14 40 22.4 | -0.4 | |
| | | | PMZ | $m_B=6.2$ | | 4.0 | 2.10 | | pP | 14 41 52.5 | -0.1 | | | | |
| | | | pP | 14 41 00.0 | 0.8 | | | | PP | 14 44 18.5 | -4.8 | | | | |
| | | | sP | 14 41 34.0 | -4.8 | | | | SKS | 14 50 19.5 | 0.2 | | | | |
| | | | PP | 14 42 49.0 | -5.4 | | | | iS | 14 51 12.0 | 6.1 | | | | |
| | | | SKS | 14 49 14.0 | 0.1 | | | | SME | $m_B=5.9$ | | 10.5 | 3.16 | | |
| | | | eS | 14 49 25.0 | -1.0 | | | | LSA | 100.1 | 298 | eP | 14 40 41.0 | 0.3 | |
| GYA | 86.2 | 299 | -P | 14 39 36.0 | 0.0 | | | | PP | 14 44 52.0 | -1.1 | | | | |
| | | | PMZ | | | 3.0 | 1.40 | | SKS | 14 50 39.0 | 0.1 | | | | |
| | | | pP | 14 41 08.0 | 3.2 | | | | iS | 14 51 46.0 | 6.8 | | | | |
| | | | PP | 14 43 02.0 | -1.5 | | | | SMN | | | 15.0 | 2.39 | | |
| | | | SMN | $m_B=6.5$ | | 6.0 | 3.20 | | SME | | | 12.0 | 1.36 | | |
| | | | SME | | | 6.0 | 6.60 | | SS | 14 58 41.0 | -3.5 | | | | |
| TIY | 86.5 | 312 | -iP | 14 39 38.0 | 0.4 | | | | WMQ | 106.1 | 311 | eP | 14 41 07.8 | 1.0 | |
| | | | PMZ | | | 1.2 | 0.34 | | KSH | 114.2 | 305 | PKP | 14 45 32.5 | 1.7 | |
| | | | pP | 14 41 07.0 | 0.5 | | | | sPKP | 14 47 55.0 | | | | | |
| | | | SMN | $m_B=6.3$ | | 8.0 | 3.13 | | SKKS | 14 52 57.0 | | | | | |
| | | | SME | | | 8.0 | 4.59 | | | | | | | | |
| XAN | 87.5 | 307 | -iP | 14 39 42.5 | 0.4 | | | | | | | | | | |
| | | | HHC | 88.5 | 314 | -P | 14 39 48.0 | 0.8 | | | | | | | |
| | | | PMZ | | | 3.0 | 1.41 | | | | | | | | |

1987 4 29
 O = 19 43 26.2 ± 0.41s
 LAT = 35.46 N ± 3.36km
 LONG = 77.73 E ± 2.26km

DEPTH = 15 km
 STATIONS USED = 9, STAND DEV = 2.78s
 $M_L = 3.9 / 3,$

| | | | | | | | |
|-----|------|-----|-----|-------------|------|------|--|
| KSH | 4.2 | 341 | ePn | 19 44 34.5 | 3.8 | | |
| | | | Sg | 19 45 34.0 | -4.6 | | |
| | | | SMN | $M_L = 3.7$ | 0.2 | 0.10 | |
| | | | SME | | 0.5 | 0.20 | |
| WMQ | 11.3 | 40 | eP | 19 46 10.0 | -1.1 | | |

1987 4 29
 O = 21 41 35.8 ± 0.14s
 LAT = 1.76 N ± 1.34km
 LONG = 99.47 E ± 1.61km
 DEPTH = 184 km ± 1.64km
 STATIONS USED = 12, STAND DEV = 2.86s

| | | | | | | | |
|-----|------|-----|---|------------|------|--|--|
| LSA | 28.9 | 345 | P | 21 47 19.0 | -1.3 | | |
| WMQ | 43.2 | 348 | P | 21 49 20.2 | -0.1 | | |

1987 4 30
 O = 01 10 31.5 ± 0.13s
 LAT = 28.34 N ± 1.67km
 LONG = 129.56 E ± 1.74km
 DEPTH = 30 km ± 0.41km
 STATIONS USED = 65, STAND DEV = 2.05s
 $M_s = 4.6 / 25,$ $m_B = 5.0 / 2$

| | | | | | | | |
|-----|------|-----|-----|-------------|------|------|--|
| SSE | 7.8 | 293 | eP | 01 12 24.0 | -1.5 | | |
| QZH | 10.4 | 253 | eP | 01 12 57.0 | -4.5 | | |
| | | | eS | 01 14 56.0 | -1.9 | | |
| | | | LN | $M_s = 4.7$ | 12.0 | 2.52 | |
| | | | LE | | 12.0 | 3.43 | |
| TIA | 13.1 | 310 | eP | 01 13 39.7 | 1.1 | | |
| | | | LN | $M_s = 4.6$ | 12.0 | 1.77 | |
| | | | LE | | 12.0 | 0.65 | |
| WHN | 13.4 | 283 | eP | 01 13 46.5 | 3.8 | | |
| | | | LN | $M_s = 4.7$ | 10.0 | 1.25 | |
| | | | LE | | 9.0 | 1.55 | |
| SNY | 14.3 | 342 | +P | 01 13 55.4 | 1.2 | | |
| | | | PP | 01 14 06.5 | 0.8 | | |
| | | | eS | 01 16 38.0 | 5.1 | | |
| | | | LN | $M_s = 4.7$ | 11.0 | 1.50 | |
| | | | LE | | 11.0 | 1.80 | |
| CN2 | 15.8 | 349 | +P | 01 14 15.0 | 1.7 | | |
| | | | pP | 01 14 20.0 | -0.3 | | |
| | | | eS | 01 17 13.0 | 5.6 | | |
| BJI | 16.1 | 320 | eP | 01 14 18.0 | 1.0 | | |
| | | | SMN | $m_B = 5.1$ | 7.0 | 0.64 | |
| | | | SME | | 7.0 | 0.29 | |
| | | | LN | $M_s = 4.5$ | 12.0 | 1.12 | |
| | | | LE | | 12.0 | 0.35 | |
| MDJ | 16.2 | 0 | eP | 01 14 21.5 | 2.3 | | |

| | | | | | | | |
|-----|------|-----|----|-------------|------|------|--|
| TIY | 17.1 | 307 | eP | 01 14 33.0 | 2.7 | | |
| | | | sP | 01 14 42.5 | 0.7 | | |
| | | | LN | $M_s = 4.7$ | 14.0 | 1.67 | |
| | | | LE | | 15.0 | 1.07 | |
| XAN | 18.5 | 293 | +P | 01 14 47.6 | -0.4 | | |
| HHC | 19.3 | 315 | eP | 01 14 56.0 | -1.3 | | |
| | | | LN | $M_s = 4.5$ | 10.0 | 0.54 | |
| | | | LE | | 10.0 | 0.42 | |
| BTO | 20.2 | 312 | eP | 01 15 06.5 | -0.1 | | |
| | | | pP | 01 15 12.0 | -2.5 | | |
| | | | PP | 01 15 28.0 | 1.9 | | |
| | | | eS | 01 18 50.0 | 3.1 | | |
| | | | LN | $M_s = 4.5$ | 14.0 | 0.70 | |
| | | | LE | | 14.0 | 0.60 | |
| GYA | 20.4 | 270 | P | 01 15 10.0 | 0.9 | | |
| | | | pP | 01 15 17.0 | -0.1 | | |
| | | | LN | $M_s = 5.1$ | 12.0 | 3.30 | |
| | | | LE | | 12.0 | 1.00 | |
| CD2 | 22.6 | 283 | eP | 01 15 30.2 | -0.5 | | |
| | | | S | 01 19 32.0 | 1.2 | | |
| | | | LN | $M_s = 5.2$ | 12.0 | 2.41 | |
| | | | LE | | 12.0 | 1.89 | |
| LZH | 23.0 | 296 | eP | 01 15 35.0 | -0.6 | | |
| KMI | 24.1 | 269 | +P | 01 15 52.0 | 5.6 | | |
| | | | eS | 01 19 56.0 | -4.0 | | |
| | | | LN | $M_s = 4.8$ | 15.0 | 1.60 | |
| GTA | 26.9 | 302 | P | 01 16 10.0 | -2.6 | | |
| | | | pP | 01 16 17.5 | -3.5 | | |
| | | | LN | $M_s = 4.9$ | 14.5 | 1.41 | |
| WMQ | 36.8 | 306 | eP | 01 17 38.0 | -0.7 | | |

1987 4 30
 O = 01 34 04.4 ± 0.09s
 LAT = 43.18 N ± 0.63km
 LONG = 86.68 E ± 0.76km
 DEPTH = 31 km ± 0.35km
 STATIONS USED = 5, STAND DEV = 3.56s
 $M_L = 3.1 / 5,$

1987 4 30
 O = 02 40 03.6 ± 0.09s
 LAT = 3.18 S ± 1.02km
 LONG = 138.75 E ± 1.22km
 DEPTH = 44 km ± 0.47km
 STATIONS USED = 78, STAND DEV = 1.04s
 $M_s = 5.0 / 21,$ $m_B = 5.3 / 6$

| | | | | | | | |
|-----|------|-----|-----|-------------|------|------|--|
| QZH | 34.1 | 326 | eP | 02 46 47.0 | 0.2 | | |
| | | | sP | 02 47 05.5 | 2.7 | | |
| | | | iS | 02 52 08.0 | -0.8 | | |
| | | | SME | $m_B = 5.4$ | 7.0 | 0.52 | |

| LAT = 39.78 N | | ± 1.41km | | PcP | | 05 26 50.0 | | 0.9 | | | | | |
|--|------|----------|------|------------|------|------------|--|-----------|------|------------|------|------------|------|
| LONG = 74.53 E | | ± 1.27km | | S | | 05 28 43.0 | | 2.9 | | | | | |
| DEPTH = 26 km | | ± 0.36km | | LN | | Ms = 5.7 | | 12.0 6.30 | | | | | |
| STATIONS USED = 92, STAND DEV = 1.30s | | | | LE | | | | 12.0 3.10 | | | | | |
| Ms = 5.8 / 50, ML = 6.0 / 2, mb = 5.8 / 14 | | | | BJI | | 31.7 76 | | eP | | | | | |
| KSH | 1.2 | 106 | +iPg | 05 17 59.0 | -1.1 | | | | eS | 05 29 10.0 | -0.7 | | |
| WMQ | 10.6 | 63 | +P | 05 20 11.5 | -1.5 | | | | LN | Ms = 5.9 | 12.0 | 10.6 | |
| | | | S | 05 22 09.0 | -2.8 | | | | TIA | 33.5 82 | -P | 05 24 19.5 | 0.5 |
| | | | LE | Ms = 6.2 | 8.0 | 71.1 | | | S | 05 29 40.0 | 2.2 | | |
| LSA | 16.9 | 121 | eP | 05 21 35.6 | -0.9 | | | | LN | Ms = 6.0 | 13.0 | 11.8 | |
| | | | pP | 05 21 45.0 | 2.4 | | | | LE | | 12.0 | 3.14 | |
| | | | sP | 05 21 50.5 | 3.7 | | | | WHN | 33.6 93 | +iP | 05 24 20.0 | 0.3 |
| | | | SMN | mb = 5.6 | 6.0 | 1.88 | | | PMZ | mb = 6.4 | 4.0 | 2.58 | |
| | | | SS | 05 25 07.0 | 4.5 | | | | S | 05 29 42.0 | 3.0 | | |
| | | | LN | Ms = 5.6 | 9.0 | 10.6 | | | sS | 05 29 52.0 | -1.1 | | |
| | | | LE | | 11.0 | 4.14 | | | LN | Ms = 5.9 | 12.0 | 8.13 | |
| GTA | 19.5 | 83 | +iP | 05 22 06.9 | -0.2 | | | | DL2 | 36.1 76 | +P | 05 24 42.0 | 0.9 |
| | | | PMZ | mb = 6.0 | 6.0 | 4.66 | | | PP | 05 26 10.0 | 6.9 | | |
| | | | S | 05 25 37.5 | -1.6 | | | | eS | 05 30 20.0 | 1.4 | | |
| | | | SME | mb = 5.9 | 6.0 | 2.87 | | | LN | Ms = 5.8 | 14.0 | 4.48 | |
| | | | sS | 05 25 47.0 | -3.5 | | | | LE | | 11.0 | 4.32 | |
| | | | LE | Ms = 5.7 | 11.0 | 12.1 | | | NJ2 | 36.4 88 | +P | 05 24 44.0 | 0.3 |
| LZH | 23.4 | 90 | +iP | 05 22 48.0 | 1.2 | | | | PMZ | | 3.0 | 1.10 | |
| | | | PMZ | | 1.5 | 1.14 | | | PP | 05 26 14.0 | 6.9 | | |
| | | | LN | Ms = 6.0 | 12.0 | 18.8 | | | LE | Ms = 6.1 | 16.0 | 15.8 | |
| | | | LE | | 12.0 | 6.89 | | | QZN | 36.7 114 | +P | 05 24 46.5 | 0.1 |
| CD2 | 25.3 | 101 | +P | 05 23 06.9 | 1.1 | | | | ePP | 05 26 14.5 | 3.1 | | |
| | | | S | 05 27 32.0 | 4.6 | | | | eS | 05 30 30.0 | 1.7 | | |
| | | | sS | 05 27 47.0 | 6.1 | | | | LN | Ms = 5.7 | 14.5 | 3.90 | |
| | | | LN | Ms = 5.7 | 12.0 | 9.42 | | | LE | | 16.0 | 5.50 | |
| BTO | 27.0 | 77 | +P | 05 23 21.0 | -0.4 | | | | GZH | 36.7 105 | P | 05 24 42.6 | -3.8 |
| | | | S | 05 27 52.5 | -2.3 | | | | eS | 05 30 30.0 | 1.7 | | |
| | | | LN | Ms = 5.7 | 12.0 | 6.70 | | | LN | Ms = 5.8 | 15.0 | 6.23 | |
| | | | LE | | 14.0 | 6.00 | | | LE | | 17.0 | 5.76 | |
| KMI | 27.8 | 113 | +P | 05 23 28.0 | -0.6 | | | | SNY | 36.8 71 | +P | 05 24 45.5 | -1.3 |
| | | | eS | 05 28 03.0 | -5.6 | | | | PMZ | mb = 5.6 | 6.0 | 0.67 | |
| | | | LE | Ms = 5.4 | 12.0 | 4.20 | | | pP | 05 24 53.0 | -1.8 | | |
| HHC | 28.1 | 76 | eP | 05 23 31.2 | -0.3 | | | | PP | 05 26 10.0 | -2.0 | | |
| | | | PP | 05 24 18.0 | -3.2 | | | | S | 05 30 29.0 | 0.9 | | |
| | | | S | 05 28 12.4 | -0.3 | | | | LN | Ms = 6.0 | 16.0 | 7.67 | |
| | | | LN | Ms = 5.9 | 11.0 | 7.58 | | | LE | | 15.0 | 8.35 | |
| | | | LE | | 11.0 | 8.73 | | | CN2 | 37.7 67 | +P | 05 24 53.0 | -1.4 |
| TIY | 29.5 | 82 | +P | 05 23 43.5 | -0.2 | | | | pP | 05 25 02.5 | 0.0 | | |
| | | | PP | 05 24 33.5 | -5.5 | | | | PP | 05 26 17.0 | -6.0 | | |
| | | | ScS | 05 34 23.0 | 2.8 | | | | PcP | 05 27 17.0 | 5.7 | | |
| | | | LN | Ms = 5.8 | 14.0 | 5.74 | | | eScP | 05 31 01.0 | 5.5 | | |
| | | | LE | | 11.0 | 6.01 | | | SSE | 38.6 88 | +iP | 05 25 02.0 | -0.2 |
| GYA | 29.8 | 107 | +P | 05 23 46.5 | -0.3 | | | | PMZ | | 1.1 | 0.20 | |
| | | | PMZ | | 3.0 | 1.50 | | | sP | 05 25 13.5 | -0.4 | | |
| | | | pP | 05 23 53.0 | -1.7 | | | | PP | 05 26 38.0 | 3.7 | | |

| | | | | | |
|-----|------|---------------------|------------|------|--|
| | S | 05 31 00.0 | 3.8 | | |
| | SS | 05 33 36.0 | -1.9 | | |
| | LN | Ms=6.1 | 16.0 | 7.10 | |
| | LE | | 16.0 | 12.1 | |
| QZH | 39.6 | 98 +iP | 05 25 11.0 | 0.3 | |
| | PMZ | m _B =6.0 | 4.0 | 0.95 | |
| | PP | 05 26 47.5 | 1.6 | | |
| | S | 05 31 07.5 | -4.1 | | |
| | sS | 05 31 22.0 | -3.9 | | |
| | SS | 05 33 54.0 | -6.3 | | |
| | LE | Ms=5.7 | 12.0 | 4.19 | |
| MDJ | 40.4 | 65 +P | 05 25 17.0 | -0.2 | |
| | pP | 05 25 26.0 | 0.7 | | |
| | PP | 05 26 56.0 | 2.0 | | |
| | S | 05 31 25.0 | 1.8 | | |
| | sS | 05 31 40.0 | 2.5 | | |
| | SS | 05 34 20.0 | 2.7 | | |

1987 4 30
 O=06 27 39.5 ± 0.11s
 LAT=39.77 N ± 1.71km
 LONG= 74.15 E ± 0.61km
 DEPTH= 12 km ± 1.75km
 STATIONS USED = 10, STAND DEV = 3.36s

M_L=4.3 / 3,

| | | | | | |
|-----|------|---------|---------------------|------|------|
| KSH | 1.4 | 102 ePg | 06 28 04.4 | -1.0 | |
| | | Sg | 06 28 23.0 | -2.0 | |
| | | SMN | M _L =4.3 | 0.5 | 4.70 |
| | | SME | | 0.5 | 3.90 |
| WMQ | 10.9 | 64 P | 06 30 17.9 | -0.8 | |
| | | eS | 06 32 19.0 | -2.6 | |
| | | LN | | 2.0 | 0.11 |
| GTA | 19.8 | 83 P | 06 32 12.2 | -0.5 | |

1987 4 30
 O=06 54 57.3 ± 0.07s
 LAT=39.76 N ± 1.23km
 LONG= 74.47 E ± 1.05km
 DEPTH= 16 km ± 0.62km
 STATIONS USED = 24, STAND DEV = 2.12s

M_s=4.3 / 1, M_L=4.3 / 2,

| | | | | | |
|-----|------|----------|------------|------|------|
| KSH | 1.2 | 104 -iPg | 06 55 18.0 | -0.9 | |
| | | Sg | 06 55 39.0 | 3.7 | |
| | | SME | | 3.0 | 27.7 |
| WMQ | 10.7 | 63 eP | 06 57 33.0 | -0.1 | |
| | | S | 06 59 33.0 | 0.0 | |
| | | LN | Ms=4.3 | 4.0 | 0.47 |
| LSA | 17.0 | 121 eP | 06 58 55.0 | -1.4 | |
| GTA | 19.5 | 83 P | 06 59 26.8 | -0.5 | |

1987 4 30
 O=10 35 56.3 ± 0.14s
 LAT=34.41 N ± 0.95km
 LONG=100.32 E ± 1.55km
 DEPTH= 20 km ± 0.37km
 STATIONS USED = 14, STAND DEV = 3.01s

M_s=3.4 / 1, M_L=3.6 / 7,

| | | | | | |
|-----|-----|---------|---------------------|------|-------|
| LZH | 3.3 | 59 cPn | 10 36 49.0 | 1.1 | |
| | | Pg | 10 36 55.5 | 0.4 | |
| | | Sn | 10 37 31.0 | 2.4 | |
| | | Sg | 10 37 39.5 | -1.2 | |
| | | SMN | M _L =3.9 | 1.0 | 0.41 |
| | | SME | | 1.0 | 0.43 |
| CD2 | 4.5 | 139 cPn | 10 37 09.0 | 4.6 | |
| | | Pg | 10 37 16.0 | -0.4 | |
| | | cSg | 10 38 20.4 | 1.8 | |
| GTA | 5.0 | 355 Pn | 10 37 12.4 | 1.5 | |
| | | Pg | 10 37 26.9 | 2.3 | |
| | | Sg | 10 38 35.0 | 1.9 | |
| | | SMN | M _L =3.3 | 0.9 | 0.030 |
| | | SME | | 0.9 | 0.040 |
| | | LE | Ms=3.4 | 8.0 | 0.43 |
| XAN | 7.1 | 91 cPn | 10 37 38.0 | -2.1 | |

1987 4 30
 O=10 53 35.1 ± 0.14s
 LAT=34.40 N ± 1.09km
 LONG=100.43 E ± 1.22km
 DEPTH= 19 km ± 0.40km
 STATIONS USED = 19, STAND DEV = 2.97s

M_s=3.8 / 4, M_L=3.8 / 6,

| | | | | | |
|-----|-----|---------|---------------------|------|-------|
| LZH | 3.3 | 58 cPn | 10 54 29.5 | 3.6 | |
| | | Pg | 10 54 35.5 | 2.8 | |
| | | Sn | 10 55 12.0 | 6.1 | |
| | | Sg | 10 55 20.0 | 2.7 | |
| | | SMN | M _L =4.1 | 1.0 | 0.73 |
| | | SME | | 1.0 | 0.67 |
| CD2 | 4.5 | 140 cPn | 10 54 45.6 | 3.1 | |
| | | Pg | 10 54 56.0 | 2.0 | |
| | | SMN | M _L =3.4 | 1.0 | 0.070 |
| | | SME | | 1.0 | 0.040 |
| | | LE | Ms=4.1 | 8.0 | 2.41 |
| GTA | 5.0 | 355 Pn | 10 54 52.9 | 2.7 | |
| | | Pg | 10 55 07.5 | 3.7 | |
| | | Sg | 10 56 15.2 | 2.7 | |
| | | SME | | 2.0 | 0.27 |
| | | LE | Ms=3.6 | 8.0 | 0.71 |
| XAN | 7.0 | 91 cPn | 10 55 19.0 | 1.2 | |
| GYA | 9.6 | 144 P | 10 55 53.0 | -2.3 | |
| BTO | 9.8 | 48 cP | 10 55 56.4 | -2.2 | |

| | | LN | Ms=4.3 | 10.0 | 0.47 |
|-----|------|-----|--------|------------|------|
| BJI | 20.0 | 286 | eP | 13 50 37.0 | -1.7 |
| TIY | 23.1 | 280 | iP | 13 51 08.6 | -1.1 |
| | | | PP | 13 51 39.0 | -0.6 |
| | | | S | 13 55 08.0 | -5.7 |
| | | | sS | 13 55 22.0 | -7.0 |
| | | LN | Ms=4.5 | 14.0 | 0.37 |
| | | LE | | 14.0 | 0.73 |
| HHC | 23.5 | 288 | eP | 13 51 13.6 | -0.6 |
| BTO | 24.7 | 288 | eP | 13 51 25.0 | -0.6 |
| | | | pP | 13 51 34.0 | -0.5 |
| | | | eS | 13 55 40.0 | -3.0 |
| XAN | 26.6 | 273 | -P | 13 51 43.4 | -0.1 |
| GZH | 28.0 | 248 | eP | 13 51 57.0 | 1.3 |
| LZH | 30.1 | 280 | eP | 13 52 15.0 | -0.3 |
| | | | PMZ | | 1.5 |
| GYA | 31.3 | 260 | +P | 13 52 24.0 | -1.7 |
| | | | pP | 13 52 31.0 | -3.6 |
| | | | S | 13 57 26.4 | -2.0 |
| GTA | 32.6 | 287 | P | 13 52 36.5 | -0.7 |
| | | | PcP | 13 55 23.8 | 1.5 |
| QZN | 33.0 | 246 | eP | 13 52 41.9 | 1.3 |
| KMI | 35.0 | 261 | +P | 13 52 58.0 | -0.2 |
| WMQ | 40.9 | 297 | P | 13 53 48.0 | 1.2 |
| LSA | 42.3 | 275 | -P | 13 53 59.0 | 0.2 |

| | | 1987 4 30 | | | |
|-----|------|---------------------|-------------------|------------|------|
| | | O = 21 20 07.8 | ± 0.13s | | |
| | | LAT = 2.13 N | ± 1.76km | | |
| | | LONG = 99.02 E | ± 1.40km | | |
| | | DEPTH = 54 km | ± 1.18km | | |
| | | STATIONS USED = 33, | STAND DEV = 1.85s | | |
| | | Ms=4.9 / 5, | | | |
| QZN | 19.9 | 32 | eP | 21 24 39.8 | 2.5 |
| | | LN | Ms=4.2 | 12.0 | 0.43 |
| KMI | 23.1 | 9 | eP | 21 25 12.5 | 1.9 |
| | | | eS | 21 29 16.0 | 2.0 |
| GYA | 25.3 | 16 | P | 21 25 31.8 | 0.7 |
| | | | S | 21 29 47.0 | -2.4 |
| | | LN | Ms=5.0 | 14.0 | 1.20 |
| | | LE | | 14.0 | 1.60 |
| LSA | 28.4 | 345 | eP | 21 25 58.0 | -2.3 |
| CD2 | 29.0 | 8 | eP | 21 26 05.9 | 1.1 |
| XAN | 33.1 | 15 | eP | 21 26 39.4 | -1.5 |
| GTA | 37.1 | 1 | eP | 21 27 15.0 | -0.4 |
| | | | | | LE |
| WMQ | 42.7 | 348 | eP | 21 28 04.0 | 2.3 |
| CN2 | 47.7 | 26 | eP | 21 28 44.0 | 2.8 |

| | | 1987 4 30 | | | |
|-----|------|---------------------|-------------------|------------|------|
| | | O = 19 30 31.6 | ± 0.08s | | |
| | | LAT = 6.37 S | ± 1.17km | | |
| | | LONG = 131.03 E | ± 1.16km | | |
| | | DEPTH = 82 km | ± 0.23km | | |
| | | STATIONS USED = 61, | STAND DEV = 0.93s | | |
| QZN | 32.8 | 321 | eP | 19 36 58.6 | -0.6 |
| NJ2 | 39.9 | 344 | eP | 19 38 01.0 | 1.3 |
| WHN | 40.0 | 337 | eP | 19 38 02.5 | 1.9 |
| GYA | 40.3 | 325 | +P | 19 38 02.0 | -0.8 |
| KMI | 41.7 | 320 | +P | 19 38 15.5 | 1.1 |
| XAN | 45.3 | 334 | +P | 19 38 43.1 | -0.5 |
| CD2 | 45.3 | 326 | +P | 19 38 43.0 | -0.8 |
| TIY | 47.2 | 340 | eP | 19 38 58.0 | -0.2 |
| BJI | 48.2 | 345 | eP | 19 39 06.0 | 0.0 |
| SNY | 48.4 | 353 | -P | 19 39 08.0 | -0.1 |
| LZH | 49.3 | 331 | eP | 19 39 15.0 | -0.3 |
| CN2 | 50.2 | 355 | eP | 19 39 20.6 | -1.0 |
| HHC | 50.3 | 341 | eP | 19 39 22.6 | 0.2 |
| BTO | 50.6 | 339 | eP | 19 39 22.2 | -2.4 |
| MDJ | 50.8 | 359 | eP | 19 39 25.0 | -1.0 |
| LSA | 52.5 | 315 | +iP | 19 39 38.0 | -1.2 |
| GTA | 53.9 | 330 | +iP | 19 39 49.1 | -0.6 |
| WMQ | 63.4 | 326 | P | 19 40 55.5 | -0.1 |