

Sta. code	$\Delta$ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A ( $\mu$ m)	Sta. code	$\Delta$ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A ( $\mu$ m)
<p>1986 2 1 O=00 05 52.1 <math>\pm</math> 0.16s LAT=28.13 N <math>\pm</math> 2.14km LONG=140.52 E <math>\pm</math> 3.02km DEPTH= 30 km <math>\pm</math> 0.42km STATIONS USED = 11, STAND DEV = 2.75s Ms=3.9/ 1,</p>															
TIA	21.3	298	cP	00 10 39.4	0.2			SNY	14.6	269	+iP	03 35 11.8	0.4		
BJI	23.3	307	cP	00 11 02.0	3.3			DL2	17.0	261	+P	03 35 40.4	0.2		
			cS	00 15 13.0	7.2						cS	03 38 43.0	1.6		
TIY	25.4	299	cP	00 11 18.4	-0.1			BJI	20.5	269	cP	03 36 17.0	0.1		
			LE	Ms=3.9		10.0	0.12				csP	03 37 15.0	-1.0		
HHC	26.9	306	cP	00 11 29.6	-3.2						SME	ms=5.2		7.0	0.75
CD2	32.0	284	(P)	00 12 16.6	-1.9			TIA	21.4	258	cP	03 36 25.7	0.0		
GTA	35.4	299	P	00 12 46.0	-1.7			SSE	21.6	241	P	03 36 31.0	3.3		
<p>1986 2 1 O=01 35 45.9 <math>\pm</math> 0.24s LAT=21.96 N <math>\pm</math> 1.93km LONG=104.03 E <math>\pm</math> 1.85km DEPTH= 10 km <math>\pm</math> 0.02km STATIONS USED = 6, STAND DEV = 3.85s ML=3.7/ 3,</p>															
KMI	3.4	340	ePn	01 36 38.5	-0.7						PP	03 37 09.0	7.3		
			Pg	01 36 49.0	3.6						cS	03 40 14.0	4.2		
			Sg	01 37 37.5	6.1			NJ2	22.5	247	-P	03 36 37.3	0.8		
			SMN	ML=3.7		1.5	0.11				pP	03 37 18.2	-4.5		
			SME			1.5	0.36				S	03 40 33.0	8.3		
GYA	5.1	28	Pn	01 37 06.2	3.5						SME	ms=4.7		11.0	0.40
			SMN	ML=3.9		1.0	0.13	HHC	23.6	274	P	03 36 48.0	1.0		
			SME			1.0	0.13				S	03 40 47.0	4.0		
QZN	6.2	117	ePn	01 37 20.7	3.1						LE			8.0	0.52
			eSn	01 38 39.0	8.5			TIY	24.1	266	cP	03 36 52.3	0.6		
<p>1986 2 1 O=03 31 52.8 <math>\pm</math> 0.09s LAT=43.82 N <math>\pm</math> 2.18km LONG=143.27 E <math>\pm</math> 1.45km DEPTH=196 km <math>\pm</math> 0.81km STATIONS USED = 64, STAND DEV = 1.56s ms=5.1/ 8</p>															
MDJ	9.9	279	-P	03 34 11.7	0.4						SME	ms=5.2		6.0	0.89
			S	03 36 02.0	2.7			BTO	24.7	274	P	03 36 59.0	0.7		
			SMN	ms=5.2		6.0	0.89				pP	03 37 37.0	0.9		
CN2	12.9	276	-P	03 34 49.0	-1.0						cS	03 41 06.0	2.0		
			sP	03 35 37.0	-1.7			WHN	26.4	250	P	03 37 14.0	0.4		
								<p>XAN 28.3 262 +P 03 37 29.8 -0.6 LZH 31.0 269 +iP 03 37 45.0 -9.3 PMZ 1.5 0.080 S 03 42 43.5 1.0 sS 03 43 50.0 -3.7 GTA 32.5 277 +P 03 38 07.4 -0.2 CD2 33.6 261 P 03 38 17.1 0.0 S 03 43 23.4 -0.5 GYA 34.2 252 +P 03 38 21.8 -0.6 sP 03 39 22.0 -3.2 PcP 03 40 55.0 1.1 S 03 43 33.0 -0.3 ScP 03 44 19.6 0.7 QZN 37.3 239 cP 03 38 50.3 2.0 KMI 37.8 254 +P 03 38 53.0 0.4 WMQ 39.4 290 P 03 39 06.4 0.4 PMZ 1.2 0.080 sP 03 40 07.5 -1.8 PcP 03 41 10.0 0.3 S 03 44 55.0 2.8</p>							

1986 2 1

O=11 51 03.7 ± 0.13s

LAT=26.27 N ± 1.74km

LONG=100.42 E ± 1.08km

DEPTH= 16 km

STATIONS USED = 6, STAND DEV= 4.39s

$M_L=3.5/ 1,$

KMI	2.4	118	cPn	11 51 42.0	-0.9
			Pg	11 51 43.5	-2.3
			Sg	11 52 12.0	-6.4
			SMN	$M_L=3.5$	1.0 0.24
			SME		1.0 0.37
GYA	5.6	87	cPg	11 52 47.0	4.2
			Sn	11 53 28.4	-4.6

1986 2 1

O=13 39 11.7 ± 0.30s

LAT=28.27 N ± 3.76km

LONG=140.55 E ± 5.50km

DEPTH= 30 km ± 0.92km

STATIONS USED = 22, STAND DEV= 3.81s

$M_s=4.2/ 7,$   $m_B=5.4/ 6$

MDJ	18.5	335	cP	13 43 28.0	0.0
			eS	13 46 52.0	1.5
DL2	19.0	309	cP	13 43 24.0	-9.5
			eS	13 46 51.0	-9.6
SNY	19.3	319	+P	13 43 39.0	1.2
			pP	13 43 46.0	0.9
			S	13 47 18.0	9.6
			LN	$M_s=4.5$	11.0 0.62
			LE		12.0 0.60
TIA	21.3	298	cP	13 43 56.9	-1.6
			eS	13 47 55.0	6.1
			SMN	$m_B=5.0$	8.0 0.40
			LE	$M_s=4.3$	11.0 0.47
WHN	22.9	282	-iP	13 44 20.0	5.4
			SMN	$m_B=5.6$	5.0 1.09
			LE	$M_s=4.6$	12.0 0.75
BJI	23.3	307	cP	13 44 19.0	1.1
			eS	13 48 32.0	7.5
			SMN	$m_B=5.0$	7.0 0.33
			SME		10.0 0.24
			eSS	13 49 18.0	7.7
TIY	25.3	299	P	13 44 41.8	3.9
			eS	13 49 09.5	9.6
			LE	$M_s=4.2$	10.0 0.25
XAN	27.6	290	cP	13 44 57.5	-1.5
BTO	27.9	304	P	13 45 02.5	0.9
			S	13 49 48.0	7.2
			LN	$M_s=4.2$	12.0 0.20

LE 14.0 0.20

CD2	32.0	284	cP	13 45 39.0	0.8
			S	13 50 50.0	3.8
GTA	35.3	299	P	13 46 06.4	-0.7
WMQ	44.7	305	c(P)	13 47 24.5	-0.1

1986 2 1

O=15 00 36.1 ± 0.07s

LAT= 2.87 N ± 0.99km

LONG=124.10 E ± 1.66km

DEPTH=391 km ± 0.09km

STATIONS USED = 23, STAND DEV= 1.30s

GYA	28.8	326	+P	15 06 03.2	0.9
CD2	33.9	328	P	15 06 45.2	-0.5
XAN	34.1	337	cP	15 06 46.7	-0.9
LSA	41.1	314	-iP	15 07 46.4	0.6
GTA	42.5	332	P	15 07 57.0	-0.2
			PcP	15 09 41.6	0.1
WMQ	52.0	327	P	15 09 09.0	-0.4

1986 2 2

O=00 13 49.8 ± 0.12s

LAT=28.04 N ± 1.91km

LONG= 86.46 E ± 1.20km

DEPTH= 33 km ± 0.06km

STATIONS USED = 18, STAND DEV= 2.48s

LSA	4.4	67	+P	00 14 57.8	0.7
CD2	15.3	75	cP	00 17 28.2	2.4
LZH	16.8	57	cP	00 17 41.0	-3.1
			PMZ		2.0 0.030
GYA	18.0	90	cP	00 18 04.0	4.0
BTO	23.1	51	cP	00 18 55.0	1.3

1986 2 2

O=01 44 05.2 ± 0.08s

LAT=13.56 S ± 1.17km

LONG=166.88 E ± 1.55km

DEPTH= 35 km ± 0.34km

STATIONS USED = 79, STAND DEV= 0.86s

$M_s=5.4/ 18,$   $m_B=5.7/ 18$

QZH	60.7	309	+iP	01 54 15.0	-0.9
			PMZ	$m_B=5.9$	5.0 0.72
			S	02 02 26.0	-1.5
			SME	$m_B=5.6$	8.0 0.62
			LN	$M_s=5.4$	12.0 1.04
SSE	62.4	316	-P	01 54 27.0	-0.6
			PMZ		1.0 0.20
			PP	01 56 45.0	-1.4
			S	02 02 48.0	-1.6
			SS	02 06 56.0	0.6



	Sg	07 10 50.5	-2.0		
	SMN	$M_L=2.2$	0.5	0.038	
	SME		0.5	0.035	
TIA	3.2 189 cPg	07 11 05.2	-0.7		
	Sn	07 11 33.3	-7.0		
	Sg	07 11 45.7	-4.0		
	SMN	$M_L=2.4$	0.2	0.0080	
	SME		0.2	0.016	

1986 2 2  
 O=07 13 26.7 ± 0.07s  
 LAT=25.09 S ± 1.92km  
 LONG=176.71 W ± 1.52km  
 DEPTH= 37 km ± 0.30km  
 STATIONS USED = 27, STAND DEV= 1.17s

MDJ	84.9	325	cP	07 26 00.0	-0.2
SNY	86.5	320	cP	07 26 07.2	-0.5
CN2	86.6	322	+P	07 26 07.0	-1.5
			pP	07 26 20.0	1.2
TIA	87.2	312	cP	07 26 11.4	0.0
GYA	89.9	299	cP	07 26 27.0	2.6
BJI	90.0	315	cP	07 26 23.5	-1.0
TIY	91.2	311	P	07 26 30.6	0.3
XAN	91.8	307	-P	07 26 33.2	0.0
CD2	94.2	302	eP	07 26 45.8	1.6

1986 2 2  
 O=13 29 44.3 ± 0.07s  
 LAT=17.32 N ± 0.85km  
 LONG=145.76 E ± 1.24km  
 DEPTH=480 km ± 0.47km  
 STATIONS USED = 27, STAND DEV= 1.02s

CN2	31.5	331	+P	13 35 27.0	-0.3
XAN	36.9	304	eP	13 36 13.4	0.7
GYA	37.3	291	P	13 36 16.4	0.5
CD2	40.4	297	cP	13 36 41.7	0.3
			eS	13 42 12.4	-3.7
GTA	45.4	309	-iP	13 37 21.0	-0.3
			PcP	13 38 50.7	0.3
WMQ	55.3	312	P	13 38 33.5	-0.3

1986 2 2  
 O=18 47 48.1 ± 0.17s  
 LAT=24.83 N ± 2.92km  
 LONG=123.23 E ± 2.57km  
 DEPTH= 14 km ± 1.09km  
 STATIONS USED = 38, STAND DEV= 2.81s  
 $M_s=4.2/12,$

QZH	4.2	273	cPn	18 48 54.0	1.7
			Sn	18 49 48.0	4.6

			LN		$M_s=3.8$	7.5	0.79
			LE			6.5	0.97
SSE	6.5	344	cPn	18 49 23.5	-0.3		
			LG <sub>2</sub>	18 51 19.2	-3.3		
			LN		$M_s=3.9$	9.0	0.99
NJ2	8.2	333	cP	18 49 40.5	-8.7		
			LN		$M_s=4.2$	10.0	1.50
GYA	15.0	280	P	18 51 27.8	5.5		
XAN	15.5	310	cP	18 51 27.2	-0.7		
			cLG <sub>2</sub>	18 56 12.0	-6.3		
			LE		$M_s=4.3$	10.0	0.63
TIY	15.8	327	cP	18 51 38.2	6.0		
			LE		$M_s=4.2$	10.0	0.52
SNY	17.0	1	cP	18 51 52.8	5.9		
CD2	18.2	294	cP	18 52 02.1	-0.9		
			LG <sub>2</sub>	18 57 57.0	7.1		
KMI	18.6	275	cP	18 52 07.0	-0.3		
			S	18 55 36.0	5.4		
			LE		$M_s=4.3$	12.0	0.60
CN2	19.0	5	-P	18 52 10.0	-2.4		
			pP	18 52 16.0	-1.4		
			cS	18 55 40.0	-1.0		
BTO	19.2	328	cP	18 52 17.2	2.3		
			esP	18 52 26.0	2.6		
			eS	18 55 54.0	8.2		
			LN		$M_s=4.2$	13.0	0.40
			LE			13.0	0.30
LZH	20.1	308	P	18 52 24.5	-0.2		
			PMZ			1.7	0.050
MDJ	20.4	13	cP	18 52 28.5	0.7		
GTA	24.5	312	P	18 53 07.2	-1.4		
			LE		$M_s=4.7$	11.0	0.80
WMQ	34.6	312	P	18 54 38.0	-1.2		

1986 2 2  
 O=22 44 26.1 ± 0.10s  
 LAT= 2.82 N ± 4.84km  
 LONG= 95.64 E ± 4.04km  
 DEPTH= 36 km ± 2.96km  
 STATIONS USED = 19, STAND DEV= 1.84s

KMI	23.2	17	+P	22 49 33.5	2.3
GYA	25.8	23	P	22 49 56.0	0.2
XAN	33.4	20	+iP	22 51 02.8	-1.4
GTA	36.6	5	-P	22 51 30.5	-0.9
BTO	39.8	17	cP	22 51 57.2	-0.7
HHC	40.5	19	cP	22 52 02.7	-1.0
WMQ	41.4	351	P	22 52 11.5	0.0
CN2	48.6	29	eP	22 53 07.0	-1.7

1986 2 2

O=23 44 53.3 ± 0.06s  
 LAT=23.30 N ± 0.43km  
 LONG=121.13 E ± 0.70km  
 DEPTH= 10 km ± 0.07km  
 STATIONS USED = 7, STAND DEV= 4.67s

$M_L = 3.4 / 1,$

QZH 2.8 306 cPn 23 45 41.0 2.0  
 Sn 23 46 16.0 0.8  
 SMN  $M_L = 3.4$  0.7 0.16  
 SME 1.0 0.15  
 GZH 7.2 270 cSn 23 48 10.0 7.5

1986 2 3

O=00 33 08.5 ± 0.06s  
 LAT=37.02 N ± 1.34km  
 LONG= 71.75 E ± 1.11km  
 DEPTH=142 km ± 1.09km  
 STATIONS USED = 45, STAND DEV= 1.36s

$M_L = 4.9 / 2,$

KSH 4.1 53 -P 00 34 14.0 2.6  
 S 00 34 59.0 -0.1  
 WMQ 13.9 56 P 00 36 20.0 -0.7  
 S 00 38 47.0 -4.4  
 LE 1.5 0.10  
 LSA 17.8 109 -P 00 37 08.0 -0.7  
 GTA 22.1 75 P 00 37 55.4 1.7  
 pP 00 38 25.9 4.6  
 LZH 25.7 82 P 00 38 29.0 1.0  
 PMZ 1.0 0.020  
 CD2 27.2 94 cP 00 38 41.6 0.8  
 BTO 29.9 71 cP 00 39 05.8 0.5  
 XAN 30.3 84 +P 00 39 08.0 -0.7  
 HHC 31.0 70 cP 00 39 12.5 -2.9  
 GYA 31.3 100 P 00 39 18.0 -0.2  
 TIY 32.2 76 -P 00 39 25.8 0.5  
 QZN 37.8 108 cP 00 40 10.7 -2.3  
 NJ2 38.8 83 +P 00 40 22.0 0.6  
 CN2 40.8 63 cP 00 40 37.2 -0.9  
 SSE 41.0 83 cP 00 40 40.6 1.1  
 PMZ 1.0 0.040  
 pP 00 41 15.0 4.3  
 MDJ 43.6 61 cP 00 41 00.5 -0.3

1986 2 3

O=01 14 11.8 ± 0.13s  
 LAT=28.39 N ± 2.09km  
 LONG=140.71 E ± 2.59km  
 DEPTH= 29 km ± 0.75km  
 STATIONS USED = 38, STAND DEV= 1.80s  
 $M_s = 4.4 / 13,$   $m_B = 5.6 / 14$

SSE 17.2 284 P 01 18 08.0 -3.4  
 PMZ  $m_B = 5.4$  5.0 0.92  
 csP 01 18 20.0 -2.8  
 S 01 21 20.0 0.4  
 SS 01 21 40.0 -0.8  
 LN  $M_s = 4.2$  9.0 0.43  
 MDJ 18.5 334 cP 01 18 24.0 -3.6  
 DL2 19.0 308 P 01 18 35.0 0.9  
 PMZ  $m_B = 5.5$  5.0 1.09  
 cS 01 22 04.0 2.4  
 SME  $m_B = 5.4$  6.0 1.11  
 NJ2 19.2 286 +P 01 18 37.5 0.8  
 PMZ  $m_B = 5.7$  6.0 2.20  
 S 01 22 16.0 9.8  
 LN  $M_s = 4.2$  12.0 0.40  
 SNY 19.4 318 -P 01 18 36.0 -2.0  
 S 01 22 16.0 7.3  
 LE  $M_s = 4.4$  12.0 0.72  
 CN2 19.7 325 +P 01 18 41.0 -0.5  
 PMZ  $m_B = 5.3$  4.0 0.60  
 cS 01 22 18.0 1.4  
 LE  $M_s = 4.3$  10.0 0.50  
 TIA 21.4 297 cP 01 18 58.4 -1.0  
 PMZ  $m_B = 5.7$  5.0 1.62  
 S 01 22 58.0 8.3  
 SMN  $m_B = 5.5$  5.0 0.31  
 SME 5.0 0.74  
 LE  $M_s = 4.4$  11.0 0.53  
 WHN 23.0 282 cP 01 19 18.5 2.6  
 PMZ  $m_B = 5.7$  5.0 1.58  
 LN  $M_s = 4.7$  11.0 0.60  
 LE 12.0 0.75  
 BJI 23.3 306 cP 01 19 19.0 0.5  
 cS 01 23 32.0 6.5  
 SMN  $m_B = 5.4$  8.0 0.88  
 SME 14.0 0.96  
 TIY 25.4 299 +P 01 19 39.5 0.8  
 PMZ  $m_B = 6.0$  5.0 1.77  
 PP 01 20 18.5 1.4  
 S 01 24 07.0 6.7  
 sS 01 24 19.0 4.3  
 LE  $M_s = 4.2$  12.0 0.27  
 HHC 26.9 305 +P 01 19 51.0 -1.7  
 S 01 24 23.0 -1.9  
 XAN 27.7 290 cP 01 20 00.1 0.1  
 cS 01 24 43.0 4.0  
 BTO 27.9 304 +P 01 20 02.0 -0.2  
 S 01 24 47.5 5.7  
 LN  $M_s = 4.5$  14.0 0.30  
 LE 14.0 0.40

February, 1986

QZN	29.7	259	eP	01 20 19.0	1.3
			eS	01 25 14.5	3.8
CD2	32.1	284	eP	01 20 39.5	0.1
			S	01 25 47.0	-1.1
GTA	35.4	299	eP	01 21 03.6	-4.2
			ePP	01 22 24.5	-2.9
			eS	01 26 38.5	-1.9
			LN	Ms=4.4	11.0 0.24
WMQ	44.8	305	P	01 22 29.0	3.8

1986 2 3

O=11 52 12.4 ± 0.16s  
 LAT=13.39 S ± 1.30km  
 LONG=166.81 E ± 2.94km  
 DEPTH= 36 km ± 0.37km

STATIONS USED = 10, STAND DEV = 2.41s

MDJ	66.9	332	eP	12 03 04.0	0.2
CN2	68.3	329	eP	12 03 07.0	-5.5
TIY	72.0	317	eP	12 03 36.4	1.3
GTA	81.4	314	P	12 04 29.0	0.7

1986 2 3

O=13 12 40.3 ± 0.10s  
 LAT=10.03 S ± 1.04km  
 LONG=161.36 E ± 2.56km  
 DEPTH= 61 km ± 0.28km

STATIONS USED = 15, STAND DEV = 1.93s

MDJ	61.5	335	eP	13 22 53.0	-0.8
CN2	62.7	331	-P	13 23 00.4	-1.5
XAN	66.3	314	-P	13 23 22.7	-2.4
CD2	68.6	309	eP	13 23 38.4	-1.1
GTA	75.3	315	P	13 24 18.2	-1.2

1986 2 3

O=15 50 34.8 ± 0.09s  
 LAT= 0.02 S ± 1.52km  
 LONG=129.71 E ± 2.41km  
 DEPTH= 33 km ± 0.19km

STATIONS USED = 56, STAND DEV = 1.57s

Ms=4.6 / 2,

QZN	27.2	315	eP	15 56 19.4	1.8
			eS	16 00 55.0	2.5
			SS	16 02 11.5	3.7
GZH	27.9	326	eP	15 56 25.0	0.5
NJ2	33.5	343	-P	15 57 14.0	0.3
WHN	33.7	336	eP	15 57 16.0	0.5
GYA	34.4	322	P	15 57 25.0	3.2
TIA	37.9	343	eP	15 57 51.1	0.1
XAN	39.1	332	eP	15 58 00.4	-0.6
CD2	39.4	324	eP	15 58 04.1	0.5

DL2	39.4	350	eP	15 58 04.7	0.9
TIY	40.8	339	eP	15 58 15.0	-0.1
BJI	41.7	344	eP	15 58 22.0	-0.8
SNY	42.0	353	eP	15 58 25.0	-0.1
			eS	16 04 43.0	1.0
			LN	Ms=4.7	22.0 0.68
LZH	43.2	329	P	15 58 36.0	0.8
			PMZ		1.8 0.060

CN2	43.8	356	eP	15 58 37.5	-2.1
			pP	15 58 44.4	-4.6
			eS	16 05 06.0	-1.9
			LN	Ms=4.5	20.0 0.40

HHC	43.9	340	eP	15 58 38.6	-1.9
BTO	44.2	338	eP	15 58 45.0	1.9
MDJ	44.4	360	eP	15 58 45.4	0.6
			eS	16 05 20.0	2.7
WMQ	57.5	325	P	16 00 23.0	-0.7

1986 2 3

O=19 37 27.8 ± 0.18s  
 LAT=19.01 S ± 2.26km  
 LONG=169.54 E ± 3.27km  
 DEPTH=258 km ± 1.09km

STATIONS USED = 13, STAND DEV = 2.89s

CN2	74.4	328	+P	19 48 40.8	0.8
LZH	82.8	312	iP	19 49 19.0	-6.4

1986 2 3

O=20 47 35.0 ± 0.08s  
 LAT=27.94 N ± 1.37km  
 LONG=139.57 E ± 1.47km  
 DEPTH=508 km ± 0.35km

STATIONS USED = 94, STAND DEV = 1.21s

m<sub>B</sub>=6.4 / 48

SSE	16.3	286	+P	20 50 58.2	-0.2
			PMZ		1.0 12.2
			sP	20 52 58.0	1.5
			S	20 53 41.5	-0.9
			PcP	20 55 22.0	0.8
			LE		19.0 20.9
NJ2	18.4	288	-iP	20 51 19.0	0.1
			PMZ	m <sub>B</sub> =6.9	6.0 20.0
			iS	20 54 21.5	1.9
			SMN	m <sub>B</sub> =6.5	10.0 104
			ScP	20 58 10.8	-0.8
MDJ	18.5	337	+iP	20 51 21.0	1.5
			PMZ	m <sub>B</sub> =6.9	8.0 27.7
			sP	20 53 27.0	2.2
			ScP	20 58 10.0	-1.7
			PcS	20 59 01.0	1.1









QZN	22.5	311	eP	15 53 43.8	0.3
			eS	15 57 47.0	9.8
GZH	22.9	324	eP	15 53 44.5	-3.1
WHN	28.6	335	eP	15 54 41.5	1.1
GYA	29.5	319	P	15 54 48.8	-0.1
KMI	31.4	313	+P	15 55 05.0	-0.5
TIA	32.8	344	eP	15 55 17.2	-0.1
XAN	34.0	331	+P	15 55 26.8	-0.8
CD2	34.4	322	P	15 55 31.0	-0.5
DL2	34.4	352	eP	15 55 32.5	1.1
TIY	35.6	339	eP	15 55 41.8	0.0
BJI	36.6	345	eP	15 55 49.0	-1.0
SNY	37.1	355	eP	15 55 54.4	0.5
LZH	38.1	328	eP	15 56 04.0	1.1
			PMZ		2.0 0.060
HHC	38.7	340	+P	15 56 07.2	-0.7
CN2	38.9	357	eP	15 56 08.4	-0.8
BTO	39.1	338	eP	15 56 10.6	0.1
MDJ	39.7	2	eP	15 56 15.0	-0.8
LSA	42.5	310	eP	15 56 38.6	-0.7
GTA	42.7	328	+iP	15 56 41.0	0.3
WMQ	52.5	324	P	15 57 57.0	0.7

1986 2 4

O=19 43 56.4 ± 0.08s

LAT=36.50 N ± 1.90km

LONG= 70.71 E ± 1.34km

DEPTH=201 km ± 0.39km

STATIONS USED = 73, STAND DEV = 1.58s

$M_L=5.3/3, m_B=5.0/2$

KSH	5.1	53	-iP	19 45 14.7	1.6
			iS	19 46 12.7	0.3
			SME	$M_L=5.7$	1.0 8.30
WMQ	14.9	55	P	19 47 18.0	-0.6
			PMZ		1.5 0.19
			sP	19 48 09.0	-1.0
			S	19 50 00.8	3.0
			SME		1.5 0.26
			ScS	19 59 08.0	2.9
LSA	18.4	106	P	19 47 59.8	0.4
			S	19 51 19.0	5.5
			SME	$m_B=5.2$	4.5 0.50
GTA	23.1	74	+iP	19 48 47.2	1.4
			sP	19 49 50.5	2.9
CD2	28.0	92	+iP	19 49 31.7	1.0
			PMZ		1.0 0.080
KMI	29.6	103	+P	19 49 45.0	-0.7
BTO	30.8	70	eP	19 49 56.4	0.2
XAN	31.2	83	+iP	19 49 58.4	-0.5
HHC	32.0	70	P	19 50 05.0	-1.2

GYA	32.1	98	P	19 50 07.2	0.0
			PcP	19 52 50.4	-0.5
			S	19 55 03.8	1.0
			ScP	19 56 13.6	-0.2
			PcS	19 56 34.0	-0.3
TIY	33.1	75	P	19 50 16.2	0.5
BJI	35.6	70	eP	19 50 36.5	-0.1
			ePcP	19 53 00.0	-0.7
			eScP	19 56 26.5	0.4
WHN	36.6	86	-P	19 50 46.5	1.1
TIA	37.1	76	eP	19 50 48.9	-0.5
QZN	38.4	106	eP	19 51 01.6	0.9
GZH	39.0	98	-iP	19 51 06.2	0.7
NJ2	39.7	82	+P	19 51 11.4	0.4
DL2	39.9	71	eP	19 51 14.0	1.1
SNY	40.8	66	-P	19 51 20.0	0.0
			PcP	19 53 16.7	-0.3
CN2	41.8	62	P	19 51 29.6	1.3
			PcP	19 53 19.2	-1.2
SSE	41.9	82	iP	19 51 29.5	0.5
			pP	19 52 13.0	1.3
MDJ	44.6	61	eP	19 51 51.5	0.7

1986 2 4

O=21 06 42.8 ± 0.06s

LAT=39.73 N ± 0.70km

LONG=118.43 E ± 0.49km

DEPTH= 9 km ± 0.06km

STATIONS USED = 9, STAND DEV = 2.73s

$M_L=2.5/10,$

BJI	1.8	281	cPg	21 07 14.0	0.0
			Sn	21 07 37.5	-0.8
			Sg	21 07 39.0	1.0
			SMN	$M_L=2.3$	0.5 0.023
			SME		0.5 0.043
DL2	2.6	107	cPg	21 07 34.0	5.0
			Sg	21 08 05.5	0.7
			SMN	$M_L=2.5$	0.4 0.025
			SME		0.4 0.020
TIA	3.7	197	cPg	21 07 48.5	1.0
			eSn	21 08 20.1	-5.2
			eSg	21 08 36.1	-1.4
			SME	$M_L=2.5$	0.4 0.011

1986 2 5

O=01 28 17.6 ± 0.32s

LAT=25.96 N ± 1.89km

LONG=143.11 E ± 4.79km

DEPTH= 40 km ± 0.35km

STATIONS USED = 15, STAND DEV = 2.41s

MDJ	21.6	333	eP	01 33 05.0	-1.1
SNY	22.6	319	eP	01 33 17.2	1.3
TIA	24.4	301	eP	01 33 33.6	-0.4
XAN	30.6	293	+P	01 34 30.2	-0.1
GYA	32.6	279	eP	01 34 49.2	0.7
CD2	34.8	287	eP	01 35 07.0	-0.3

1986 2 5

O=03 39 41.2 ± 0.12s

LAT=10.09 S ± 1.34km

LONG=161.29 E ± 1.89km

DEPTH=112 km ± 1.39km

STATIONS USED = 17, STAND DEV = 2.06s

CN2	62.7	332	eP	03 49 56.8	-0.5
XAN	66.3	314	eP	03 50 19.5	-0.8
CD2	68.6	309	(P)	03 50 40.8	6.2
GTA	75.3	315	P	03 51 14.5	0.0

1986 2 5

O=05 37 16.5 ± 0.08s

LAT= 7.16 S ± 1.07km

LONG=126.73 E ± 1.67km

DEPTH=391 km ± 0.30km

STATIONS USED = 40, STAND DEV = 1.04s

SSE	38.4	352	eP	05 44 04.1	0.3
GYA	38.7	331	P	05 44 07.4	1.2
NJ2	39.7	350	+P	05 44 15.1	0.6
CD2	43.8	331	P	05 44 47.8	0.4
XAN	44.3	339	-iP	05 44 50.8	-0.7
			PcP	05 46 28.7	0.8
LZH	48.1	335	-iP	05 45 21.5	0.5
			PMZ		2.0 0.060
SNY	48.8	357	-P	05 45 25.6	-0.8
LSA	50.1	319	P	05 45 36.2	-0.4
CN2	50.7	359	eP	05 45 39.2	-1.4
MDJ	51.6	3	eP	05 45 46.0	-1.1
GTA	52.6	334	-iP	05 45 54.8	0.1
WMO	61.8	329	P	05 46 58.0	0.1

1986 2 5

O=09 18 36.0 ± 0.13s

LAT=39.69 N ± 1.74km

LONG=118.45 E ± 0.78km

DEPTH= 16 km

STATIONS USED = 14, STAND DEV = 2.34s

 $M_L=3.8/8,$ 

BJI	1.8	282	ePn	09 19 05.5	-1.2
			Pg	09 19 07.5	0.0
			cSg	09 19 31.0	-1.0
			SMN	$M_L=4.2$	0.5 2.51

SNY	4.4	60	ePn	09 19 42.4	-0.8
			Pg	09 19 57.2	2.8
			Sn	09 20 31.4	-5.2
			Sg	09 20 53.6	-1.5
			SMN	$M_L=3.8$	0.6 0.21
			SME		0.6 0.10
HHC	5.4	285	Pg	09 20 11.4	0.0
			Sg	09 21 23.0	-1.9
			SMN	$M_L=3.9$	0.6 0.070
			SME		0.6 0.15
BTO	6.5	281	ePg	09 20 33.6	2.2
			Sg	09 21 56.6	-3.7
CN2	6.7	50	-Pg	09 20 36.6	3.1
			cSn	09 21 30.8	-0.6
			cSg	09 21 57.0	-7.3
			SMN	$M_L=4.1$	1.0 0.10

1986 2 5

O=09 32 12.8 ± 0.12s

LAT=28.50 N ± 2.05km

LONG=140.52 E ± 1.96km

DEPTH= 40 km ± 0.41km

STATIONS USED = 55, STAND DEV = 2.00s

 $M_s=4.8/16,$  $m_B=5.7/20$ 

SSE	17.0	283	-P	09 36 08.0	-1.1
			eS	09 39 12.0	-3.1
			LN	$M_s=4.4$	10.0 0.67
MDJ	18.3	334	eP	09 36 24.0	-1.5
DL2	18.8	308	-P	09 36 32.0	0.3
			PMZ	$m_B=5.7$	6.0 2.08
			eS	09 40 00.0	3.7
			LE	$M_s=4.6$	8.0 0.77
NJ2	19.0	286	+P	09 36 39.0	4.5
			PMZ	$m_B=5.9$	6.0 3.50
			LN	$M_s=4.8$	11.0 1.60
SNY	19.2	318	eP	09 36 32.5	-3.3
			pP	09 36 44.0	-0.4
			LN	$M_s=4.8$	10.0 0.96
			LE		10.0 1.27
CN2	19.5	326	-P	09 36 38.0	-1.4
			PMZ	$m_B=5.2$	5.0 0.60
			eS	09 40 05.0	-6.3
			SMN	$m_B=5.4$	7.0 1.00
			LN	$M_s=4.8$	10.0 1.30
QZH	19.9	265	+P	09 36 43.0	-1.0
			PMZ	$m_B=5.3$	6.0 0.90
			eS	09 40 18.0	-2.7
TIA	21.2	297	P	09 36 57.8	0.6
			PMZ	$m_B=5.4$	6.0 1.09









February, 1986

SNY	48.4	280	+iP	15 23 38.9	-0.3		
DL2	51.7	280	eP	15 24 04.5	0.3		
BJI	52.7	285	eP	15 24 11.0	-0.8		
HHC	53.6	290	P	15 24 17.8	-1.2		
BTO	54.4	291	eP	15 24 24.0	-0.7		
			eS	15 32 00.0	0.4		
			LN	Ms=5.4	16.0	1.00	
			LE		16.0	1.30	
TIA	55.7	282	eP	15 24 32.5	-1.6		
			eS	15 32 19.0	1.8		
			LE	Ms=5.4	23.0	2.40	
TIY	56.1	287	eP	15 24 36.1	-0.8		
			LN	Ms=5.8	17.0	2.23	
			LE		17.0	3.34	
WMQ	58.7	310	P	15 24 54.5	-0.9		
NJ2	58.8	279	+P	15 24 55.0	-0.8		
			PMZ		16.0	0.90	
GTA	59.0	299	P	15 24 57.0	-0.2		
LZH	60.6	294	+iP	15 25 08.5	0.1		
			PMZ		1.3	0.070	
XAN	60.7	288	eP	15 25 08.0	-0.7		
WHN	61.8	282	eP	15 25 16.0	-0.5		
CD2	65.3	291	eP	15 25 39.2	-0.3		
GYA	68.3	287	+P	15 26 00.8	2.1		
LSA	70.7	302	eP	15 26 14.0	0.5		
KMI	71.0	290	+P	15 26 16.0	1.1		

1986 2 6

O = 15 25 54.2 ± 0.06s  
 LAT = 36.45 N ± 1.17km  
 LONG = 71.00 E ± 0.98km  
 DEPTH = 212 km ± 0.30km  
 STATIONS USED = 46, STAND DEV = 1.13s

KSH	4.9	51	-iP	15 27 10.8	1.5		
WMQ	14.7	55	eP	15 29 12.7	-1.3		
			LN		2.0	0.070	
LSA	18.2	106	eP	15 29 53.0	-1.0		
			eS	15 33 03.0	-3.9		
GTA	22.9	74	+iP	15 30 42.2	1.5		
			pP	15 31 21.5	-2.3		
			LN		12.0	0.61	
			LE		11.5	0.56	
CD2	27.7	92	eP	15 31 26.5	1.1		
BTO	30.6	70	eP	15 31 51.4	0.2		
XAN	30.9	83	P	15 31 53.2	-0.6		
			LN		14.0	1.00	
			LE		16.0	3.34	
HHC	31.8	69	eP	15 32 00.2	-1.0		
GYA	31.9	98	P	15 32 02.6	0.7		
BJI	35.4	70	eP	15 32 32.0	0.3		

			PcP	15 34 56.0	-0.7		
NJ2	39.5	82	+P	15 33 07.0	1.0		
DL2	39.7	71	-P	15 33 08.2	0.2		
			LN		13.0	0.54	
			LE		15.0	1.73	
SNY	40.6	66	eP	15 33 14.6	-0.6		
CN2	41.6	62	eP	15 33 22.4	-1.2		
			PcP	15 35 14.8	-1.5		

1986 2 6

O = 17 49 06.5 ± 0.10s  
 LAT = 44.15 N ± 1.65km  
 LONG = 100.62 E ± 0.77km  
 DEPTH = 9 km ± 0.19km  
 STATIONS USED = 9, STAND DEV = 2.40s  
 M<sub>L</sub> = 4.1 / 4,

GTA	4.8	187	Pn	17 50 20.2	1.1		
			Pg	17 50 35.4	4.6		
			Sg	17 51 37.4	1.3		
			SMN	M <sub>L</sub> = 3.8	0.8	0.080	
			SME		0.8	0.20	
HHC	8.7	108	P	17 51 12.8	-3.5		
WMQ	9.3	272	eP	17 51 25.8	1.4		
			S	17 53 05.5	-4.6		
			SMN		0.9	0.060	
			SME		0.9	0.080	
XAN	12.0	145	eP	17 52 02.0	1.3		

1986 2 7

O = 01 16 28.0 ± 0.20s  
 LAT = 7.70 N ± 3.01km  
 LONG = 137.31 E ± 1.61km  
 DEPTH = 32 km ± 0.35km  
 STATIONS USED = 19, STAND DEV = 0.96s

XAN	37.0	319	eP	01 23 35.5	-1.7		
BJI	37.3	333	eP	01 23 40.0	0.3		
TIY	37.4	327	c(P)	01 23 40.0	-0.5		
CN2	37.4	346	eP	01 23 40.8	0.4		
CD2	38.9	311	eP	01 23 53.0	0.0		
BTO	40.8	328	eP	01 24 09.0	0.3		
WMQ	56.2	318	P	01 26 07.3	-0.4		

1986 2 7

O = 01 27 33.9 ± 0.18s  
 LAT = 25.24 N ± 1.03km  
 LONG = 119.94 E ± 1.26km  
 DEPTH = 18 km  
 STATIONS USED = 8, STAND DEV = 1.58s

QZH	1.3	257	+iPg	01 27 55.7	-0.6		
-----	-----	-----	------	------------	------	--	--





	LN		Ms=5.3	24.0	1.94
KSH	62.8	315	eP	07 47 14.9	2.7
			eS	07 55 43.9	5.8

1986 2 7

O=08 07 50.8 ± 0.02s

LAT=18.77 S ± 0.48km

LONG=169.39 E ± 0.09km

DEPTH=278 km ± 0.27km

STATIONS USED = 6, STAND DEV = 0.81s

CN2	74.1	329	+iP	08 18 58.4	-0.9
BJI	76.7	321	eP	08 19 13.5	0.0

1986 2 7

O=10 47 22.1 ± 0.06s

LAT=10.04 S ± 0.81km

LONG=161.16 E ± 1.31km

DEPTH=75 km ± 0.27km

STATIONS USED = 14, STAND DEV = 1.36s

CN2	62.6	332	-P	10 57 40.6	-1.0
XAN	66.2	314	eP	10 58 03.5	-1.0
CD2	68.4	309	eP	10 58 19.6	0.8
GTA	75.1	315	P	10 58 59.6	0.7

1986 2 7

O=11 24 43.8 ± 0.12s

LAT=28.07 N ± 1.83km

LONG=140.60 E ± 2.37km

DEPTH=48 km ± 0.68km

STATIONS USED = 14, STAND DEV = 2.30s

TIA	21.4	298	eP	11 29 29.0	-1.1
BJI	23.4	307	eP	11 29 51.5	2.0
TIY	25.5	299	eP	11 30 10.0	0.8
HHC	27.0	306	P	11 30 21.6	-1.9
XAN	27.7	290	eP	11 30 29.4	-0.7
CD2	32.1	284	eP	11 31 09.2	0.1
GTA	35.5	299	eP	11 31 37.0	-1.2

1986 2 7

O=19 26 33.3 ± 0.05s

LAT=27.11 N ± 0.75km

LONG=140.40 E ± 1.00km

DEPTH=343 km ± 0.20km

STATIONS USED = 31, STAND DEV = 0.77s

NJ2	19.4	290	+P	19 30 35.6	-0.2
MDJ	19.5	336	eP	19 30 36.5	-0.8
SNY	20.1	321	+iP	19 30 43.6	0.2
CN2	20.6	328	+P	19 30 47.6	-0.1
TIA	21.7	300	eP	19 30 59.4	0.4
WHN	23.1	285	eP	19 31 13.3	2.0

BJI	23.9	309	eP	19 31 19.0	0.3
TIY	25.8	301	eP	19 31 36.8	0.6
XAN	27.9	292	eP	19 31 54.5	-0.6
GYA	30.1	277	P	19 32 14.0	-0.3
CD2	32.2	286	-iP	19 32 32.4	0.1
			PMZ		0.6 0.060
LZH	32.2	295	P	19 32 33.0	0.0
GTA	35.8	301	P	19 33 02.8	-0.3
WMQ	45.3	306	eP	19 34 19.5	-0.6

1986 2 7

O=19 57 58.4 ± 0.16s

LAT=0.08 N ± 2.28km

LONG=129.84 E ± 3.41km

DEPTH=31 km ± 0.37km

STATIONS USED = 19, STAND DEV = 2.76s

XAN	39.1	332	eP	20 05 23.0	-1.7
CD2	39.4	323	eP	20 05 31.8	4.3
TIY	40.7	339	eP	20 05 39.0	0.3
BJI	41.7	344	eP	20 05 45.0	-1.2
GTA	47.8	328	eP	20 06 35.0	-0.6
WMQ	57.5	325	+P	20 07 46.5	-1.0

1986 2 7

O=22 53 17.2 ± 0.07s

LAT=41.12 N ± 1.45km

LONG=49.64 E ± 0.95km

DEPTH=33 km ± 0.08km

STATIONS USED = 17, STAND DEV = 1.42s

WMQ	28.0	72	eP	22 59 08.0	0.1
GTA	37.9	76	eP	23 00 34.4	0.9
XAN	46.7	79	eP	23 01 45.4	0.0
GYA	48.8	89	eP	23 02 01.0	-0.5
CN2	54.1	60	eP	23 02 42.0	0.2

1986 2 7

O=23 46 31.5 ± 0.19s

LAT=13.30 S ± 1.93km

LONG=166.30 E ± 2.81km

DEPTH=32 km ± 0.49km

STATIONS USED = 61, STAND DEV = 1.74s

Ms=5.1 / 7, m<sub>B</sub>=5.7 / 4

SSE	61.8	316	eP	23 56 50.0	-0.4
			pP	23 57 02.0	2.1
			eS	24 05 17.0	6.5
NJ2	64.0	316	+P	23 57 04.5	-0.2
			S	24 05 32.5	-3.8
WHN	66.3	312	eP	23 57 18.5	-0.9
MDJ	66.6	332	+P	23 57 20.7	-0.6
			S	24 06 08.0	0.2

DL2	66.6	323	eP	23 57 19.0	-2.3					LG <sub>2</sub>	00 35 47.0	-4.8			
SNY	67.5	327	eP	23 57 26.8	-0.3					LN	Ms=5.4	10.9	12.4		
TIA	67.7	319	eP	23 57 32.6	4.6					LE		10.0	3.40		
CN2	67.9	329	+iP	23 57 28.3	-1.6				LZH	15.3	35	+iP	00 32 29.0	-0.3	
			PMZ	m <sub>B</sub> =5.9		4.0	0.60					PMZ		2.0	0.26
			pP	23 57 36.0	-3.4							pP	00 32 37.0	0.1	
			eS	24 06 26.0	0.5							PP	00 32 43.0	1.9	
GYA	70.1	305	P	23 57 44.4	0.9							S	00 35 25.0	7.9	
			S	24 06 58.0	7.9							LN	Ms=5.4	7.0	5.51
BJI	70.6	321	+P	23 57 45.4	-0.6							LE		6.0	1.49
			eS	24 07 00.0	3.5				GTA	16.4	19	+P	00 32 41.0	-2.8	
			LN	Ms=5.1		15.0	0.54					PP	00 32 56.8	-0.2	
TIY	71.6	318	P	23 57 52.0	-0.2							eS	00 35 44.0	-0.5	
			PMZ	m <sub>B</sub> =6.0		4.0	0.77					LG <sub>2</sub>	00 37 54.0	-2.5	
			S	24 07 15.0	8.1							LE	Ms=5.1	10.0	3.52
			LE	Ms=5.1		15.0	0.48		QZN	16.5	104	cP	00 32 46.0	1.9	
XAN	72.0	313	-P	23 57 55.5	0.6							eS	00 35 49.0	4.0	
KMI	72.8	302	eP	23 57 59.5	0.1							LN	Ms=5.1	9.5	3.10
			eS	24 07 28.0	5.7							LE		9.5	1.90
			SME	m <sub>B</sub> =5.5		7.0	0.33		XAN	17.2	51	+P	00 32 50.7	-2.2	
CD2	74.4	308	eP	23 58 09.9	1.1							S	00 36 04.0	3.6	
			S	24 07 43.0	4.2							LN	Ms=5.2	8.0	2.97
BTO	74.7	319	+iP	23 58 11.0	0.2							LE		6.0	1.43
LZH	76.7	312	+iP	23 58 23.0	1.1				GZH	18.7	89	eP	00 33 10.0	-2.1	
			PMZ			2.0	0.26					S	00 36 41.0	5.5	
			eS	24 08 07.0	1.2							LN	Ms=5.6	10.0	9.18
GTA	81.0	314	+P	23 58 45.5	-0.1							LE		12.0	1.78
LSA	84.0	302	eP	23 59 01.0	-0.4				WHN	20.1	66	-P	00 33 26.7	-0.8	
			eS	24 09 25.0	2.2							sP	00 33 42.0	0.5	
WMQ	91.1	315	+P	23 59 35.0	0.0							eS	00 37 06.0	-0.4	
												SMN	m <sub>B</sub> =5.7	7.0	1.77
												sS	00 37 18.0	-2.0	
												LN	Ms=5.3	10.0	4.07
									WMQ	20.2	349	P	00 33 30.0	0.9	
												sP	00 33 42.0	-1.1	
												PP	00 33 47.5	-1.5	
												S	00 37 14.2	5.5	
												SME	m <sub>B</sub> =6.0	8.0	3.97
												LE	Ms=5.2	26.0	9.20
									KSH	21.1	321	eP	00 33 39.6	2.0	
												eS	00 37 27.6	2.5	
												LE	Ms=5.5	10.0	6.60
									TIY	21.6	46	P	00 33 41.2	-1.3	
												sP	00 33 53.5	-3.1	
												S	00 37 33.0	-0.3	
												LN	Ms=4.9	10.0	0.49
												LE		10.0	1.62
									BTO	21.9	37	P	00 33 46.5	0.5	
												S	00 37 40.0	0.2	
												SMN	m <sub>B</sub> =5.2	9.0	0.50

1986 2 8

O=00 28 54.0 ± 0.09s

LAT=23.99 N ± 1.62km

LONG= 92.94 E ± 1.22km

DEPTH= 38 km ± 0.39km

STATIONS USED = 86, STAND DEV= 1.61s

Ms=5.3/36,

m<sub>B</sub>=5.7/12

KMI 9.0 81 +iP 00 31 06.5 1.8

sP 00 31 20.0 2.7

S 00 32 49.0 4.0

sS 00 32 59.0 2.5

LG<sub>1</sub> 00 33 45.0 8.6

LN Ms=5.5 10.0 23.5

CD2 11.8 52 eP 00 31 43.0 -0.2

S 00 33 57.0 2.9

LN Ms=5.2 8.0 7.45

GYA 12.7 76 eP 00 31 52.2 -2.4

S 00 34 10.0 -4.5

LG<sub>1</sub> 00 35 28.0 -3.7



BJI 62.8 37 eP 08 06 29.0 1.7  
MDJ 73.6 39 eP 08 07 30.0 -4.4

1986 2 8

O=16 25 09.2 ± 0.22s  
LAT=28.36 N ± 3.51km  
LONG=140.35 E ± 4.04km  
DEPTH= 27 km ± 0.99km  
STATIONS USED = 17, STAND DEV = 3.88s

 $m_B = 5.1 / 4$ 

DL2 18.8 309 cP 16 29 34.0 5.0  
NJ2 18.9 286 +P 16 29 34.0 2.9  
PMZ  $m_B = 5.1$  7.0 0.60  
SMN  $m_B = 5.1$  8.0 0.68  
TIA 21.1 298 cP 16 29 54.8 0.3  
BJI 23.1 307 cP 16 30 14.0 0.0  
eS 16 34 26.0 6.8  
SMN  $m_B = 4.9$  7.0 0.25  
XAN 27.4 290 cP 16 30 47.2 -7.9  
CD2 31.8 284 cP 16 31 33.6 -0.9  
WMQ 44.5 305 cP 16 33 19.5 -1.5

1986 2 8

O=16 48 04.9 ± 0.10s  
LAT=19.22 N ± 1.67km  
LONG=121.09 E ± 1.63km  
DEPTH= 44 km ± 0.64km  
STATIONS USED = 74, STAND DEV = 1.77s

 $M_s = 4.5 / 26, M_L = 4.4 / 4, m_B = 5.2 / 2$ 

QZH 6.2 338 +P 16 49 33.0 -2.7  
S 16 50 37.5 -7.2  
SMN  $M_L = 4.2$  0.6 0.10  
SME 0.6 0.25  
LN  $M_s = 4.1$  16.0 2.90  
GZH 8.2 299 -P 16 50 00.6 -3.5  
LN  $M_s = 4.5$  11.0 2.23  
LE 14.0 2.83  
QZN 10.6 271 P 16 50 33.6 -4.2  
S 16 52 30.4 -5.1  
LN  $M_s = 4.4$  14.5 1.10  
LE 17.0 2.50  
SSE 11.8 0 cP 16 50 52.5 -1.5  
eS 16 53 02.0 -3.0  
eLG<sub>1</sub> 16 54 15.0 -1.5  
LG<sub>2</sub> 16 54 32.0 -3.2  
LE  $M_s = 4.1$  16.0 1.09  
WHN 12.8 333 cP 16 51 04.8 -2.5  
NJ2 12.9 352 cP 16 51 07.8 -1.1  
LN  $M_s = 4.4$  16.0 2.00  
GYA 15.1 301 -P 16 51 37.5 0.0

S 16 54 20.0 -3.0  
LE  $M_s = 4.7$  14.0 2.50  
TIA 17.3 349 cP 16 52 06.7 1.8  
eS 16 55 08.0 -5.7  
eSS 16 55 26.5 -8.4  
LE  $M_s = 4.2$  14.0 0.59  
KMI 18.0 292 -P 16 52 15.0 1.3  
pP 16 52 23.0 0.5  
sP 16 52 28.0 -0.1  
eS 16 55 31.0 1.3  
LE  $M_s = 4.6$  14.0 1.63  
XAN 18.3 326 -P 16 52 19.0 1.4  
LN  $M_s = 4.6$  14.0 1.34  
CD2 19.5 310 P 16 52 32.5 0.9  
PMZ 0.9 0.11  
PP 16 52 43.0 -6.3  
eS 16 56 02.0 -2.0  
LE  $M_s = 4.7$  15.0 1.86  
TIY 19.9 339 P 16 52 37.0 1.0  
PMZ 0.9 0.050  
S 16 56 20.0 8.2  
LE  $M_s = 4.4$  13.0 0.78  
BJI 21.2 350 cP 16 52 49.5 0.5  
eS 16 56 40.5 3.7  
SMN  $m_B = 5.3$  5.0 0.45  
SME 7.0 0.29  
LN  $M_s = 4.4$  17.0 0.91  
SNY 22.6 5 cP 16 53 03.6 0.1  
S 16 57 02.0 -0.9  
LN  $M_s = 4.3$  30.0 0.66  
LE 26.0 0.67  
LZH 22.6 321 -iP 16 53 06.5 2.7  
PMZ 2.0 0.23  
S 16 57 08.0 4.9  
LN  $M_s = 4.5$  13.0 0.80  
HHC 23.1 341 P 16 53 08.8 1.1  
S 16 57 11.0 0.7  
LN  $M_s = 4.8$  16.0 1.40  
LE 16.0 0.91  
BTO 23.3 338 P 16 53 12.0 1.6  
eS 16 57 19.0 2.8  
LN  $M_s = 4.7$  15.0 0.70  
LE 15.0 0.90  
CN2 24.8 8 cP 16 53 23.6 -0.8  
eS 16 57 38.0 -3.0  
MDJ 26.3 14 cP 16 53 38.0 -0.7  
GTA 27.2 322 -P 16 53 48.2 0.7  
S 16 58 17.0 -3.6  
LE  $M_s = 4.5$  14.0 0.56  
LSA 29.1 297 cP 16 54 04.2 -0.3

WMQ	37.2	319	-P	16 55 16.0	2.0
KSH	43.7	307	cP	16 56 10.8	3.1
			eS	17 02 30.8	-3.2
			LE	Ms=5.3	18.0 2.26

O=23 18 07.7 ± 0.31s  
 LAT= 7.19 S ± 2.56km  
 LONG=154.74 E ± 1.55km  
 DEPTH= 67 km ± 2.74km  
 STATIONS USED = 13, STAND DEV= 5.09s  
 Ms=5.1 / 3, m<sub>B</sub>=5.7 / 2

1986 2 8

O=22 00 56.2 ± 0.08s  
 LAT=22.07 N ± 1.20km  
 LONG= 93.74 E ± 1.23km  
 DEPTH= 70 km ± 0.60km  
 STATIONS USED = 19, STAND DEV= 2.19s

WHN	53.9	316	cP	23 27 36.0	9.0
			PMZ	m <sub>B</sub> =6.1	4.0 1.00
			LN	Ms=5.4	9.0 0.82
			LE		10.0 0.75
XAN	59.7	316	cP	23 28 10.5	2.5
BTO	62.9	323	cP	23 28 21.2	-8.4

LSA	7.9	343	cP	22 02 51.0	-0.9
			S	22 04 18.9	-1.5
CD2	12.6	43	cP	22 03 52.0	-2.0
GYA	12.6	67	cP	22 03 57.8	3.6
XAN	17.9	45	cP	22 04 59.4	-2.9
GTA	18.0	15	P	22 05 01.8	-2.3
WMQ	22.3	348	P	22 05 51.0	2.2
SSE	26.1	64	e(P)	22 06 24.8	-0.6

1986 2 8

O=23 22 33.6 ± 0.06s  
 LAT=28.49 N ± 2.27km  
 LONG=140.32 E ± 1.21km  
 DEPTH= 17 km ± 0.83km  
 STATIONS USED = 15, STAND DEV= 4.46s  
 Ms=4.4 / 4, m<sub>B</sub>=5.3 / 2

1986 2 8

O=22 04 45.7 ± 0.31s  
 LAT=36.20 N ± 0.94km  
 LONG=126.40 E ± 2.87km  
 DEPTH= 15 km  
 STATIONS USED = 5, STAND DEV= 5.47s

MDJ	18.2	335	cP	23 26 40.0	-7.9
WHN	22.7	282	cP	23 27 36.0	0.1
			PMZ	m <sub>B</sub> =5.6	4.0 1.00
			csS	23 31 50.0	0.9
			LN	Ms=4.8	9.0 0.82
			LE		10.0 0.75
XAN	27.3	290	cP	23 28 10.5	-9.7
BTO	27.6	304	cP	23 28 21.2	-1.4

				M <sub>L</sub> =3.6 / 4,	
DL2	4.7	307	ePg	22 06 06.8	-1.2
			eSn	22 06 57.5	5.6
			SMN	M <sub>L</sub> =3.7	1.0 0.11
			SME		1.0 0.10
SNY	6.0	339	ePg	22 06 33.1	0.8
			Sg	22 07 50.0	-4.7
			SMN	M <sub>L</sub> =3.6	0.6 0.020
			SME		0.8 0.060
SSE	6.7	222	ePn	22 06 24.8	0.7

1986 2 9

O=02 47 08.1 ± 0.08s  
 LAT=11.34 S ± 1.15km  
 LONG=166.03 E ± 1.77km  
 DEPTH=101 km ± 0.39km  
 STATIONS USED = 43, STAND DEV= 1.17s

				M <sub>L</sub> =3.2 / 2,	
QZH	3.0	299	-Pn	22 25 27.6	-0.2
			Sn	22 26 01.3	-4.0
			SMN	M <sub>L</sub> =3.2	0.3 0.15
			SME		0.3 0.060

NJ2	62.4	315	-P	02 57 23.6	0.3
MDJ	64.7	332	cP	02 57 38.0	-0.5
DL2	64.9	323	cP	02 57 39.4	0.0
CN2	66.1	329	+P	02 57 46.4	-1.1
GYA	68.8	304	P	02 58 05.0	0.6
BJI	68.9	321	cP	02 58 03.5	-1.1
TIY	70.0	317	eP	02 58 12.0	0.6
XAN	70.5	312	+P	02 58 14.8	0.1
KMI	71.5	301	+P	02 58 22.5	1.7
CD2	73.0	307	cP	02 58 30.8	1.4
LZH	75.2	312	cP	02 58 43.0	0.9
GTA	79.5	314	+iP	02 59 06.9	0.9
LSA	82.7	302	cP	02 59 22.0	-1.5
WMQ	89.5	315	P	02 59 56.0	-0.1

1986 2 8

1986 2 9  
O=06 45 27.2 ± 0.25s  
LAT=24.46 N ± 1.89km  
LONG=120.90 E ± 2.49km  
DEPTH= 7 km ± 0.38km  
STATIONS USED = 15, STAND DEV = 4.90s  
M<sub>L</sub>=3.6 / 4,

QZH	2.2	283	ePn	06 46 00.4	-3.4		
			iSn	06 46 31.5	-1.1		
			SMN	M <sub>L</sub> =3.6	0.6	0.43	
			SME		0.6	0.36	
			LN		8.0	0.42	
			LE		6.0	1.34	
SSE	6.6	2	ePn	06 47 08.5	3.3		
			LG <sub>1</sub>	06 48 56.0	1.0		
			eLG <sub>2</sub>	06 49 12.5	7.0		
GZH	7.1	260	ePn	06 47 19.0	7.8		
CD2	16.5	297	eP	06 49 25.0	4.2		

1986 2 9  
O=11 37 02.2 ± 0.13s  
LAT=26.07 S ± 0.81km  
LONG=177.31 W ± 1.10km  
DEPTH=154 km ± 0.82km  
STATIONS USED = 24, STAND DEV = 0.87s

MDJ	85.4	325	eP	11 49 24.0	-0.3		
CN2	87.1	322	+P	11 49 31.8	-0.5		
GYA	89.9	300	P	11 49 46.2	0.2		
BJI	90.3	315	eP	11 49 47.0	-0.4		
TIY	91.4	312	eP	11 49 53.4	0.4		
XAN	92.0	307	eP	11 49 55.6	0.2		
CD2	94.3	302	eP	11 50 07.4	1.4		

1986 2 9  
O=11 51 49.2 ± 0.09s  
LAT= 9.68 N ± 1.43km  
LONG=122.45 E ± 2.04km  
DEPTH= 55 km ± 0.43km  
STATIONS USED = 52, STAND DEV = 1.63s  
M<sub>s</sub>=4.5 / 10,

QZN	15.3	309	eP	11 55 22.2	-1.7		
			eS	11 58 10.0	-1.8		
			LN	M <sub>s</sub> =4.6	15.0	1.70	
			LE		15.0	1.30	
SSE	21.3	357	eP	11 56 34.0	0.0		
			SS	12 00 56.0	-2.1		
			LN	M <sub>s</sub> =4.3	16.0	0.58	
WHN	22.1	341	eP	11 56 43.8	2.4		
			LN	M <sub>s</sub> =4.4	13.0	0.61	
GYA	22.4	320	P	11 56 45.0	0.4		

			S	12 00 38.0	-3.0		
NJ2	22.5	352	+P	11 56 46.0	0.4		
			LN	M <sub>s</sub> =4.7	19.0	1.90	
KMI	24.2	312	eP	11 57 00.0	-2.5		
			LE	M <sub>s</sub> =4.5	16.0	0.76	
XAN	27.2	335	eP	11 57 29.6	-1.0		
CD2	27.4	323	eP	11 57 30.8	-0.9		
			eS	12 02 02.6	-3.2		
TIY	29.3	344	eP	11 57 49.0	-0.4		
BJI	30.7	351	eP	11 58 03.0	1.1		
LZH	31.3	330	eP	11 58 06.5	-0.1		
			PMZ			1.5	0.070
			LN	M <sub>s</sub> =5.1	7.0	0.88	
SNY	32.0	2	eP	11 58 12.3	-0.9		
			eS	12 03 18.0	-1.7		
			LN	M <sub>s</sub> =4.5	22.0	0.68	
CN2	34.1	4	P	11 58 28.4	-2.6		
			eS	12 03 46.0	-5.7		
MDJ	35.3	9	eP	11 58 41.0	-0.8		
GTA	35.8	329	eP	11 58 45.6	-0.6		
WMQ	45.4	325	P	12 00 04.5	-0.7		

1986 2 9  
O=12 42 52.6 ± 0.08s  
LAT=48.67 N ± 1.16km  
LONG=126.61 E ± 1.20km  
DEPTH= 12 km ± 0.33km  
STATIONS USED = 57, STAND DEV = 1.76s  
M<sub>s</sub>=4.7 / 20, M<sub>L</sub>=4.9 / 3,

MDJ	4.5	152	ePn	12 44 02.2	0.5		
			Pg	12 44 18.5	5.6		
			Sn	12 44 53.5	-3.0		
			Sg	12 45 14.6	-0.6		
			SMN			3.0	8.20
CN2	4.9	190	-iPn	12 44 06.6	-0.5		
			Pg	12 44 26.5	6.7		
			Sn	12 45 03.0	-3.2		
			Sg	12 45 25.0	-2.4		
			SMN			4.0	9.00
			SME			4.0	8.60
SNY	7.2	198	Pn	12 44 37.8	0.1		
			Sg	12 46 38.4	1.1		
DL2	10.4	202	eP	12 45 26.5	1.5		
			eS	12 47 21.5	-1.1		
			LN	M <sub>s</sub> =4.8	8.0	2.70	
			LE		6.0	1.66	
BJI	11.4	225	(P)	12 45 37.0	-1.6		
			LG <sub>1</sub>	12 48 57.0	6.2		
			LN	M <sub>s</sub> =4.7	10.0	2.03	
			LE		7.0	1.21	





GYA	86.4	300	P	19 30 55.0	0.2
TIY	87.5	313	eP	19 31 00.0	0.1
XAN	88.1	308	P	19 31 03.9	0.9
CD2	90.6	303	eP	19 31 16.0	1.5

1986 2 9

O=20 01 38.5 ± 0.05s

LAT=5.94 S ± 0.71km

LONG=130.54 E ± 0.96km

DEPTH=119 km ± 0.20km

STATIONS USED = 17, STAND DEV = 1.14s

XAN	44.7	334	+P	20 09 41.6	-0.4
BJI	47.6	345	eP	20 10 05.0	0.1
CN2	49.7	355	eP	20 10 21.0	0.0
LSA	51.8	315	eP	20 10 35.8	-1.6
GTA	53.3	330	+iP	20 10 48.4	0.2
WMQ	62.8	326	eP	20 11 54.5	0.0

1986 2 9

O=22 01 43.0 ± 0.23s

LAT=21.15 N ± 1.79km

LONG=99.78 E ± 0.52km

DEPTH=16 km

STATIONS USED = 5, STAND DEV = 1.89s

 $M_L = 4.3 / 2,$ 

KMI	4.8	34	ePg	22 03 08.0	-0.2
			eS*	22 03 56.5	-5.9
			SME		2.0 0.090

1986 2 9

O=23 32 13.4 ± 0.09s

LAT=36.13 S ± 0.91km

LONG=71.46 W ± 1.68km

DEPTH=102 km ± 0.70km

STATIONS USED = 20, STAND DEV = 0.98s

MDJ	161.9	304	cPKP	23 52 02.0	-1.2
WMQ	162.3	58	PKP	23 52 04.5	0.8
LSA	164.1	109	ePKP	23 52 06.3	0.5
GYA	170.2	170	PKP	23 52 10.8	0.8
			PKP <sub>2</sub>	23 53 27.6	
GTA	172.4	62	PKP	23 52 11.4	0.1
			PKP <sub>2</sub>	23 53 36.3	
			PP	23 57 28.1	-0.4
BJI	172.8	305	ePKP	23 52 11.0	-0.2
CD2	173.4	141	PKP	23 52 13.0	0.7
XAN	177.9	189	ePKP	23 52 12.6	-0.1

1986 2 10

O=06 50 13.9 ± 0.15s

LAT=12.93 N ± 2.51km

LONG=125.20 E ± 2.61km

DEPTH=33 km ± 0.22km

STATIONS USED = 54, STAND DEV = 2.28s

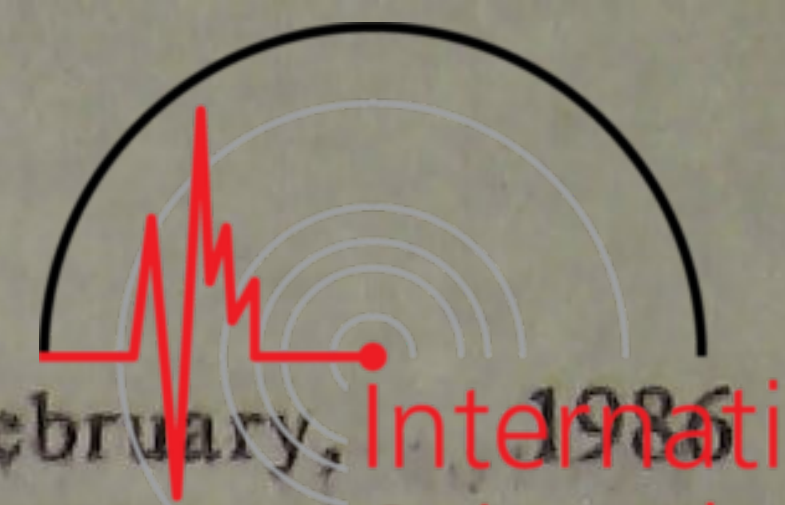
 $M_s = 4.7 / 18,$ 

QZN	16.0	294	eP	06 54 06.4	8.6
			LN		$M_s = 4.6$ 14.0 1.60
SSE	18.5	349	eP	06 54 27.0	-2.0
			epP	06 54 36.0	-0.7
			esP	06 54 40.0	-1.3
			ePP	06 54 44.0	-0.2
			eS	06 57 44.0	-6.7
			SS	06 58 07.0	-7.3
			LN		$M_s = 4.8$ 11.0 1.05
			LE		10.0 1.23
WHN	20.2	332	eP	06 54 49.0	0.2
			PP	06 55 12.0	3.4
			SS	06 58 50.0	-7.6
			LN		$M_s = 4.7$ 13.0 1.01
			LE		12.0 0.75
GYA	22.0	310	P	06 55 10.2	2.8
			sP	06 55 25.0	4.8
			S	06 59 02.0	-0.5
			sS	06 59 20.0	2.5
			LE		$M_s = 4.5$ 11.0 0.60
TIA	24.3	344	-P	06 55 31.0	1.3
			eS	06 59 35.0	-9.0
			esS	06 59 57.0	-1.6
			LE		$M_s = 4.7$ 12.0 0.93
KMI	24.4	303	eP	06 55 30.5	-0.5
			pP	06 55 41.0	1.2
			eS	06 59 40.0	-6.3
			LN		$M_s = 4.6$ 14.0 0.82
XAN	25.7	328	-P	06 55 42.6	-0.7
			epP	06 55 52.5	0.4
			eS	07 00 16.0	8.3
			LE		$M_s = 4.6$ 11.0 0.68
DL2	26.1	354	eP	06 55 48.5	2.0
CD2	26.7	316	eP	06 55 51.2	-1.0
			eS	07 00 20.0	-3.5
			LE		$M_s = 4.9$ 12.0 1.28
TIY	27.2	337	eP	06 55 57.0	0.1
			LE		$M_s = 4.6$ 13.0 0.63
BJI	28.2	345	eP	06 56 07.0	1.4
			LN		$M_s = 4.5$ 11.0 0.43
SNY	28.8	357	eP	06 56 12.7	1.1
LZH	30.0	324	eP	06 56 21.0	-1.4
HHC	30.3	339	eP	06 56 24.2	-0.4
			S	07 01 15.0	-5.3
			LN		$M_s = 4.9$ 13.0 0.57
			LE		14.0 1.13









GTA	33.5	284	P	20 23 31.8	0.7	WHN	25.2	258	+P	20 41 48.0	1.0
KMI	37.0	260	eP	20 24 01.0	0.0				sP	20 41 57.0	-0.2
WMQ	41.3	295	P	20 24 37.5	1.1				eS	20 46 08.0	-0.8
LSA	43.7	274	eP	20 24 53.8	-2.6				PcS	20 48 57.0	-2.7
<b>1986 2 10</b>									LN	Ms=4.8	14.0 1.19
O=	20 36	20.7		± 0.07s		QZH	25.3	242	eP	20 41 49.5	1.4
LAT=	39.59	N		± 1.83km					eS	20 46 19.0	8.2
LONG=	143.21	E		± 1.63km					LN	Ms=4.5	12.0 0.62
DEPTH=	20	km		± 0.66km		BTO	25.3	283	eP	20 41 47.5	-0.9
STATIONS USED =	75,	STAND DEV =	1.82s						eS	20 46 08.0	-3.3
Ms=	4.8 / 20,								LN	Ms=5.1	14.0 0.60
MDJ	11.3	301	eP	20 39 05.5	1.1				LE		15.0 2.80
			eS	20 41 14.0	2.9	XAN	27.9	269	eP	20 42 10.8	-1.1
CN2	13.9	293	eP	20 39 39.0	-0.5				LN	Ms=4.8	13.0 0.86
SNY	15.1	285	eP	20 39 55.2	0.8				LE		13.0 0.57
			eS	20 42 39.0	-2.5	GZH	30.2	246	eP	20 42 33.5	1.3
			LN	Ms=4.7	14.0 1.18	LZH	31.1	276	eP	20 42 41.0	0.2
			LE		16.0 2.68	GYA	33.1	258	+P	20 42 57.4	-0.6
DL2	16.7	275	eP	20 40 18.0	2.1				S	20 48 09.6	-4.6
			eS	20 43 20.5	-0.1	CD2	33.2	267	-iP	20 42 58.7	0.3
			LN	Ms=4.6	14.0 1.35				eS	20 48 14.0	-2.0
			LE		16.0 1.28				LN	Ms=5.1	13.0 1.46
SSE	19.8	251	P	20 40 53.0	-0.4	GTA	33.2	284	+P	20 42 59.8	0.4
			PMZ		1.0 0.050				LE	Ms=5.1	15.5 1.76
			pP	20 40 59.5	-0.4	QZN	35.3	244	eP	20 43 15.2	-1.6
			esP	20 41 04.2	0.6				S	20 48 45.5	-2.7
			(S)	20 44 29.0	-1.7				sS	20 49 01.0	0.0
			sS	20 44 42.0	1.9	KMI	36.8	259	+P	20 43 30.0	0.3
			SS	20 45 02.0	4.5				S	20 49 10.0	-1.3
			LN	Ms=4.7	12.0 1.05				LE	Ms=4.9	15.0 0.90
			LE		13.0 1.00	WMQ	41.0	295	-P	20 44 05.5	0.7
BJI	20.8	280	eP	20 41 00.0	-3.1				PMZ		1.0 0.080
			eS	20 44 48.0	-1.1				eS	20 50 19.5	3.3
			LN	Ms=4.7	13.0 0.71	LSA	43.4	273	eP	20 44 25.8	0.8
			LE		15.0 1.23	<b>1986 2 10</b>					
TIA	20.8	269	eP	20 41 04.2	0.2	O=	21 46	51.6		± 0.16s	
			eS	20 44 51.0	0.1	LAT=	39.45	N		± 3.46km	
			LN	Ms=4.9	13.0 0.71	LONG=	143.38	E		± 3.67km	
			LE		14.0 2.37	DEPTH=	23	km		± 1.60km	
NJ2	21.1	257	-P	20 41 05.0	-1.7	STATIONS USED =	33,	STAND DEV =	2.68s		
			LN	Ms=4.9	13.0 1.90	Ms=	3.9 / 2,				
TIY	24.1	275	eP	20 41 34.9	-1.1	MDJ	11.5	301	eP	21 49 39.0	1.6
			S	20 45 51.0	2.3	CN2	14.1	294	eP	21 50 11.0	-1.3
			sS	20 46 08.5	7.8	DL2	16.9	275	eP	21 50 51.0	2.8
			LE	Ms=4.6	13.0 0.86	SSE	19.9	252	eP	21 51 23.0	-1.7
HHC	24.1	283	+P	20 41 35.4	-1.4				pP	21 51 31.5	-0.2
			S	20 45 48.0	-2.0	BJI	20.9	280	eP	21 51 32.5	-2.6
			LN	Ms=4.9	18.0 1.14	TIA	21.0	269	eP	21 51 33.8	-2.0
			LE		18.0 1.99	NJ2	21.2	257	eP	21 51 36.8	-1.2

TIY	24.2	276	c(P)	21 52 10.4	2.6
WHN	25.3	258	P	21 52 19.0	0.7
			sP	21 52 28.4	-0.8
XAN	28.0	270	cP	21 52 43.2	-0.3
GYA	33.2	258	P	21 53 29.4	0.1
CD2	33.3	268	cP	21 53 30.0	0.1
GTA	33.4	284	P	21 53 31.8	0.6
KMI	36.9	260	cP	21 54 01.0	0.0
WMQ	41.2	295	P	21 54 38.5	1.9

			epP	24 07 35.0	-0.9
			cS	24 14 13.0	2.3
			csS	24 15 25.0	1.7
TIY	53.6	326	cP	24 06 57.2	1.0
CD2	54.8	314	P	24 07 05.4	0.2
HHC	56.3	328	P	24 07 14.5	-1.3
BTO	57.0	327	P	24 07 20.0	-0.4
LZH	57.8	319	-iP	24 07 26.0	0.1
GTA	62.3	320	-iP	24 07 51.6	-5.1
LSA	63.9	307	cP	24 08 05.7	-1.7
			pP	24 08 50.0	0.2
WMQ	72.3	319	P	24 08 59.1	-0.4
			pP	24 09 43.0	-0.1

1986 2 10

O = 23 57 51.5 ± 0.08s  
 LAT = 5.42 S ± 1.04km  
 LONG = 146.97 E ± 1.50km  
 DEPTH = 186 km ± 0.27km  
 STATIONS USED = 42, STAND DEV = 1.27s

QZH	40.9	319	-P	24 05 18.3	0.9	
			S	24 11 17.0	3.0	
			SMN	$m_B = 5.5$	4.5	0.26
			SME		4.5	0.45
GZH	43.4	312	+P	24 05 39.0	1.5	
			pP	24 06 20.3	2.8	
			cS	24 11 52.0	0.9	
			ScS	24 15 18.0	3.8	
SSE	43.9	327	cP	24 05 42.0	0.5	
			PMZ		1.0	0.080
QZN	43.9	305	cP	24 05 41.6	-0.1	
			cS	24 12 00.0	1.3	
NJ2	45.9	326	+P	24 05 59.0	1.6	
WHN	47.5	321	-P	24 06 11.0	1.2	
			pP	24 06 50.0	-0.3	
			S	24 12 53.0	4.7	
			SME	$m_B = 5.5$	6.0	0.40
			LN		14.0	0.59
TIA	50.0	328	+P	24 06 29.0	0.0	
GYA	50.3	311	P	24 06 32.0	0.5	
			pP	24 07 13.0	0.7	
			S	24 13 34.0	6.6	
SNY	51.6	338	cP	24 06 42.2	0.7	
MDJ	52.2	344	cP	24 06 45.0	-0.7	
CN2	52.7	340	cP	24 06 49.3	-0.2	
XAN	53.2	320	-iP	24 06 52.9	-0.4	
			PMZ		1.0	0.15
			pP	24 07 32.4	-2.2	
			sP	24 07 51.2	-4.1	
			S	24 14 09.0	1.6	
			SME	$m_B = 5.5$	6.0	0.41
BJI	53.4	331	cP	24 06 54.0	-0.4	

1986 2 11

O = 01 15 57.4 ± 0.13s  
 LAT = 41.86 N ± 4.60km  
 LONG = 125.20 W ± 2.41km  
 DEPTH = 3 km ± 1.10km  
 STATIONS USED = 21, STAND DEV = 2.50s

CN2	73.8	315	-P	01 27 40.7	5.0
BTO	83.9	321	cP	01 28 29.8	-1.2
XAN	89.6	318	cP	01 28 57.4	-1.4
WMQ	89.7	337	P	01 28 59.8	0.3

1986 2 11

O = 01 34 08.8 ± 0.14s  
 LAT = 28.51 N ± 2.97km  
 LONG = 140.78 E ± 3.19km  
 DEPTH = 28 km ± 1.30km  
 STATIONS USED = 55, STAND DEV = 2.40s  
 $M_s = 4.8 / 27,$   $m_B = 5.5 / 19$

SSE	17.2	283	+P	01 38 11.0	2.0	
			PMZ	$m_B = 5.5$	6.0	1.35
			sP	01 38 24.0	3.9	
			sS	01 41 28.0	-1.0	
			cSS	01 41 38.0	-0.7	
			LN	$M_s = 4.6$	10.0	1.02
			LE		10.0	0.64
MDJ	18.4	334	cP	01 38 25.0	1.2	
DL2	19.0	308	+P	01 38 31.0	0.0	
			PMZ	$m_B = 5.3$	6.0	0.86
			S	01 41 56.0	-1.6	
			LN	$M_s = 4.7$	11.0	1.21
			NJ2	19.3	286	+P
SNY	19.3	318	-P	01 38 34.0	-0.6	
			PMZ	$m_B = 6.0$	5.0	3.63
			LN	$M_s = 5.0$	11.0	2.30
			pP	01 38 44.0	2.4	
			SS	01 42 23.0	-8.0	



O = 07 14 24.5 ± 0.09s  
 LAT = 36.43 N ± 2.00km  
 LONG = 70.79 E ± 1.66km  
 DEPTH = 120 km ± 0.70km  
 STATIONS USED = 62, STAND DEV = 1.88s  
 M<sub>L</sub> = 5.6 / 3,

KSH	5.1	52	-iP	07 15 43.9	3.7
			iS	07 16 39.9	1.5
			SMN	M <sub>L</sub> = 5.9	1.0 13.9
WMQ	14.9	55	+iP	07 17 48.5	-1.6
			PMZ		1.5 0.36
			pP	07 18 03.5	3.0
			sP	07 18 19.0	-4.2
			S	07 20 25.0	-6.6
GTA	23.0	74	P	07 19 20.2	-0.2
			eS	07 23 19.0	0.1
			LN		15.0 1.02
LZH	26.6	81	eP	07 19 56.0	2.2
			PMZ		1.0 0.020
CD2	27.9	92	P	07 20 05.8	0.1
BTO	30.8	70	eP	07 20 32.5	1.0
XAN	31.1	83	eP	07 20 32.4	-1.7
GYA	32.0	98	P	07 20 46.0	3.8
TIY	33.1	75	eP	07 20 50.9	-0.2
			(S)	07 26 01.0	0.6
BJI	35.5	70	eP	07 21 13.5	1.3
WHN	36.6	86	eP	07 21 19.3	-1.5
TIA	37.1	76	eP	07 21 25.1	0.2
QZN	38.4	106	eP	07 21 33.1	-2.8
SNY	40.8	66	eP	07 21 59.6	3.9
CN2	41.8	62	+P	07 22 04.0	-0.1
			pP	07 22 32.0	1.0
SSE	41.9	82	eP	07 22 05.0	0.4
			PMZ		0.9 0.020
			cpP	07 22 34.0	2.5
			eS	07 28 14.0	0.6
MDJ	44.6	60	eP	07 22 27.0	0.2

1986 2 11  
 O = 12 01 34.1 ± 0.08s  
 LAT = 28.14 N ± 1.95km  
 LONG = 142.81 E ± 1.96km  
 DEPTH = 33 km ± 0.78km  
 STATIONS USED = 43, STAND DEV = 1.35s  
 M<sub>s</sub> = 4.0 / 2,

SSE	19.0	284	eP	12 05 56.0	-0.2
			csP	12 06 06.0	-2.4
			csS	12 09 34.0	-1.8
			cSS	12 09 49.0	0.2
MDJ	19.5	331	eP	12 06 01.5	-0.5

			pP	12 06 07.0	-2.9
			sP	12 06 10.0	-4.4
			cS	12 09 44.0	8.4
			sS	12 09 52.0	4.9
DL2	20.6	307	eP	12 06 11.0	-2.4
SNY	20.8	316	eP	12 06 15.4	0.2
CN2	20.9	323	eP	12 06 16.7	-0.2
NJ2	21.1	287	-P	12 06 18.0	-0.2
TIA	23.1	297	eP	12 06 38.0	-0.7
WHN	24.9	282	eP	12 06 56.5	0.8
BJI	24.9	305	eP	12 06 55.0	-1.2
XAN	29.5	290	eP	12 07 37.6	-0.5
GYA	32.1	276	P	12 08 01.0	0.1
CD2	34.0	284	P	12 08 17.5	0.3
GTA	37.1	299	P	12 08 43.5	-0.8
WMQ	46.4	305	P	12 10 01.0	0.9

1986 2 11  
 O = 13 00 26.3 ± 0.11s  
 LAT = 20.41 S ± 2.42km  
 LONG = 173.63 W ± 2.33km  
 DEPTH = 38 km ± 0.70km  
 STATIONS USED = 44, STAND DEV = 1.70s

MDJ	82.9	323	eP	13 12 49.0	-0.1
NJ2	83.0	308	+P	13 12 51.3	1.4
CN2	84.8	321	+P	13 12 58.8	0.0
WHN	85.7	305	eP	13 13 01.5	-1.9
TIA	86.3	311	eP	13 13 07.2	1.0
BJI	88.7	314	eP	13 13 19.0	0.9
GYA	90.2	298	P	13 13 27.0	1.9
TIY	90.3	310	eP	13 13 27.0	1.5
XAN	91.4	306	-P	13 13 31.7	1.2
HHC	92.3	313	+P	13 13 34.4	-0.2

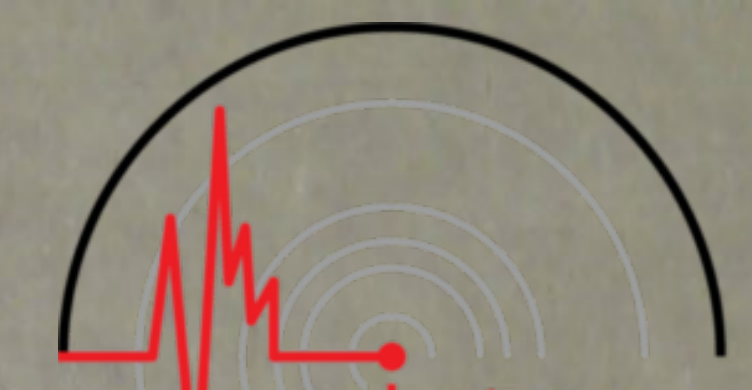
1986 2 12  
 O = 02 59 29.7 ± 0.03s  
 LAT = 36.40 N ± 0.69km  
 LONG = 141.12 E ± 0.56km  
 DEPTH = 31 km ± 0.13km  
 STATIONS USED = 95, STAND DEV = 2.45s  
 M<sub>s</sub> = 6.1 / 42, m<sub>B</sub> = 6.0 / 41

MDJ	12.0	317	+iP	03 02 22.0	0.1
			iS	03 04 39.0	3.2
			SME	m <sub>B</sub> = 5.6	6.0 3.30
			ScS	03 15 08.0	-1.5
CN2	14.1	306	+iP	03 02 48.0	-1.4
			PMZ	m <sub>B</sub> = 6.9	5.0 10.0
			sP	03 03 00.0	-0.9
			eS	03 05 20.0	-5.7
			SMN	m <sub>B</sub> = 6.0	8.0 8.00



			LE		$M_s=5.9$	15.0	49.0				LN		$M_s=6.0$	20.0	34.1																
SNY	14.7	297	+iP	03 02	56.5	-0.4					TIY	22.9	282	+P	03 04	29.0	-3.3														
			PMZ		$m_B=6.2$		6.0	2.87						PMZ		$m_B=5.9$	6.5	3.74													
			pP	03 03	05.0	1.2								PP	03 05	06.0	4.6														
			sP	03 03	13.0	4.6								S	03 08	39.0	-3.9														
			S	03 05	37.0	-1.7								SME		$m_B=6.4$	10.0	13.0													
			SME		$m_B=5.6$		6.0	2.11						LN		$M_s=6.4$	15.0	18.2													
			sS	03 05	49.0	-1.1								LE			15.0	57.7													
			SS	03 05	54.0	-1.9								WHN	23.0	263	eP	03 04	30.5	-3.2											
			LN		$M_s=6.2$		13.0	40.9								PMZ		$m_B=5.9$	8.0	4.49											
			LE				18.0	74.4								iS	03 08	38.0	-0.5												
DL2	15.6	285	+iP	03 03	10.0	0.2										SME		$m_B=6.2$	11.0	8.93											
			PMZ		$m_B=6.4$		6.0	9.66								ScP	03 11	50.0	-7.7												
			S	03 06	04.0	2.1										LE		$M_s=6.2$	15.0	39.2											
			LN		$M_s=6.2$		13.0	17.7			HHC	23.5	290	+P	03 04	33.0	-4.8														
			LE				17.0	85.9								S	03 08	36.0	-9.0												
SSE	17.4	258	+iP	03 03	31.0	-1.0										SME		$m_B=6.3$	9.0	7.92											
			PMZ		$m_B=6.0$		8.0	6.38								LN		$M_s=6.0$	17.0	24.1											
			pP	03 03	40.0	0.8										LE			15.0	12.1											
			sP	03 03	47.0	3.3										BTO	24.6	289	eP	03 04	46.1	-3.1									
			S	03 06	43.0	0.6											PMZ		$m_B=5.7$	9.0	2.50										
			sS	03 06	53.0	-1.4											pP	03 04	57.0	-0.6											
			SS	03 07	03.0	-1.0											PP	03 05	22.0	-3.0											
			LN		$M_s=6.0$		16.0	26.5									S	03 08	56.0	-9.2											
			LE				14.0	27.4									sS	03 09	15.0	-4.9											
NJ2	18.9	263	+P	03 03	48.0	-2.7											LN		$M_s=6.1$	15.0	10.9										
			PMZ		$m_B=6.0$		8.0	6.60									LE			15.0	29.5										
			S	03 07	12.0	-4.5											XAN	26.4	274	+iP	03 05	02.0	-3.3								
			LE		$M_s=6.0$		16.0	43.0										PMZ		$m_B=6.2$	7.0	3.60									
TIA	19.3	277	eP	03 03	52.1	-3.5												epP	03 05	16.0	2.2										
			pP	03 04	02.0	-1.0													PP	03 05	48.5	0.8									
			sP	03 04	09.0	1.6													PcP	03 08	29.0	-1.7									
			S	03 07	22.0	-4.0													S	03 09	31.0	-2.7									
			LN		$M_s=6.0$		15.0	14.1											SMN		$m_B=6.1$	11.0	1.80								
			LE				20.0	44.7											SME			13.0	6.40								
BJI	19.9	288	eP	03 03	58.0	-3.9													SS	03 10	42.0	-1.4									
			epP	03 04	08.0	-1.9														LN		$M_s=6.0$	14.0	13.4							
			esP	03 04	15.0	0.8														LE			14.0	13.4							
			eS	03 07	34.5	-5.1														GZH	27.4	249	+P	03 05	13.0	-2.0					
			SMN		$m_B=5.9$		7.0	2.55															PMZ		$m_B=6.1$	7.0	2.94				
			SME				8.5	2.77															PP	03 06	08.5	6.0					
			eSS	03 08	00.0	-6.9																	iS	03 09	51.0	-0.9					
			LE		$M_s=5.7$		14.0	15.9															SMN		$m_B=6.0$	9.0	2.11				
QZH	22.4	246	+iP	03 04	23.0	-4.7																	SME			10.0	2.57				
			pP	03 04	35.0	-1.1																		LN		$M_s=6.1$	14.0	16.4			
			sP	03 04	40.0	-0.1																		LE			17.0	15.5			
			S	03 08	22.0	-4.8																		LZH	29.9	281	+iP	03 05	35.0	-2.9	
			SMN		$m_B=6.0$		5.0	1.02																			PMZ		$m_B=6.0$	3.5	0.99
			SME				6.0	2.46																			pP	03 05	46.5	0.0	
			sS	03 08	41.0	-0.2																					PP	03 06	30.0	-5.2	





<b>O = 08 18 05.4</b> $\pm$ 0.12s <b>LAT = 27.39 N</b> $\pm$ 1.85km <b>LONG = 127.28 E</b> $\pm$ 1.43km <b>DEPTH = 148 km</b> $\pm$ 0.92km <b>STATIONS USED = 23, STAND DEV = 2.93s</b>											
SSE	6.5	306	cP	08 19 39.0	-0.6	DL2	51.1	334	cP	09 10 10.1	0.4
SNY	14.7	349	cP	08 21 28.5	0.8				S	09 17 24.0	1.4
BJI	15.6	327	cP	08 21 40.0	1.1				LN	Ms = 5.9	17.0 3.75
TIY	16.2	313	c(P)	08 21 47.6	1.6				LE		18.0 4.49
CN2	16.4	355	+P	08 21 50.2	1.1	TIA	51.1	328	cP	09 10 08.7	-1.1
XAN	17.1	297	cP	08 21 56.5	-0.8				csS	09 17 43.5	2.9
HHC	18.7	320	P	08 22 13.6	-1.2				LN	Ms = 5.7	19.0 1.89
BTO	19.4	317	cP	08 22 21.6	-1.1				LE		19.0 3.84
GTA	25.8	305	P	08 23 22.6	-2.1	GYA	51.3	311	P	09 10 12.0	0.4
								S	09 17 24.0	-1.9	
					SNY	52.8	338	+P	09 10 21.6	-0.7	
								PcP	09 11 27.5	-3.2	
								PP	09 12 26.0	3.7	
								S	09 17 48.0	2.4	
								SMN	m <sub>B</sub> = 5.8	7.0 0.82	
								LN	Ms = 5.8	24.0 4.51	
								LE		22.0 4.71	
<b>1986 2 12</b> <b>O = 09 01 08.0</b> $\pm$ 0.09s <b>LAT = 6.45 S</b> $\pm$ 1.11km <b>LONG = 147.48 E</b> $\pm$ 1.41km <b>DEPTH = 36 km</b> $\pm$ 0.24km <b>STATIONS USED = 83, STAND DEV = 0.94s</b> <b>Ms = 5.5 / 27,                      m<sub>B</sub> = 5.7 / 11</b>											
QZH	42.0	319	cP	09 08 58.2	0.3	MDJ	53.3	344	cP	09 10 26.0	-0.3
			S	09 15 14.0	0.7				PcP	09 11 26.0	-6.8
			SMN	m <sub>B</sub> = 5.6	8.0 0.84				S	09 17 56.0	3.0
			LN	Ms = 5.3	20.0 1.85	KMI	53.6	308	-P	09 10 30.0	1.0
			LE		20.0 1.94				PMZ	m <sub>B</sub> = 5.4	7.0 0.38
GZH	44.4	312	cP	09 09 19.8	2.1				S	09 18 02.0	4.5
			S	09 15 52.0	3.1				LN	Ms = 5.6	20.0 3.55
			LE	Ms = 5.5	19.0 3.58	CN2	53.8	340	+P	09 10 29.0	-1.2
QZN	44.9	305	cP	09 09 22.2	0.8				PMZ	m <sub>B</sub> = 5.7	4.0 0.40
			eS	09 15 56.0	-0.5				PcP	09 11 34.4	-0.4
			LN	Ms = 5.3	15.0 1.50				ScP	09 15 29.0	0.9
			LE		13.0 0.90				eS	09 18 00.0	-1.2
SSE	45.0	327	+P	09 09 23.0	0.7	XAN	54.3	320	+P	09 10 32.7	-1.1
			PMZ		1.0 0.17				PMZ		1.0 0.10
			sP	09 09 38.0	1.5				cpP	09 10 46.0	2.1
			PP	09 11 10.0	1.9				PP	09 12 35.0	-1.4
			S	09 15 58.0	1.0				S	09 18 07.0	0.3
			eSS	09 19 14.0	2.8				SMN	m <sub>B</sub> = 5.8	7.0 0.81
			LN	Ms = 5.8	19.0 4.96				LN	Ms = 5.5	21.0 2.92
			LE		19.0 3.58	BJI	54.5	331	cP	09 10 34.5	-0.7
NJ2	47.0	326	+P	09 09 39.0	0.9				eS	09 18 10.0	-0.4
			PMZ	m <sub>B</sub> = 5.9	4.0 0.70				SMN	m <sub>B</sub> = 5.7	6.0 0.62
			S	09 16 29.0	3.4				LN	Ms = 5.7	20.0 3.91
			SMN	m <sub>B</sub> = 6.0	8.0 1.90	TIY	54.7	326	P	09 10 36.0	-0.9
			LN	Ms = 6.0	20.0 10.1				S	09 18 15.0	2.8
WHN	48.6	321	cP	09 09 51.1	0.7				LN	Ms = 5.4	16.0 1.08
			pP	09 10 05.0	4.6				LE		16.0 1.28
			S	09 16 52.0	4.3	CD2	55.9	314	+iP	09 10 45.0	-0.4
								S	09 18 30.0	1.9	
								ScS	09 20 25.0	-2.1	

		LE		Ms=5.5	20.0	2.31			LONG = 120.18 E	± 0.52km						
HHC	57.5	328	cP	09 10 55.0	-1.5				DEPTH = 13 km	± 0.05km						
			S	09 18 52.0	3.7				STATIONS USED = 8,	STAND DEV = 2.27s						
			LN		Ms=5.7	20.0	2.49			M <sub>L</sub> = 3.5 / 3,						
			LE			20.0	2.44	QZH	2.5	324	cPn	09 49 21.0	-0.4			
BTO	58.1	327	cP	09 11 00.5	-0.5						Sn	09 49 56.2	3.1			
			S	09 18 56.0	-0.7						SMN		M <sub>L</sub> = 3.5	0.4	0.28	
			LN		Ms=5.8	20.0	3.20				SME			0.4	0.26	
			LE			20.0	3.20	SSE	8.2	6	c(P)	09 50 54.7	12.4			
LZH	58.9	319	-iP	09 11 07.0	0.7						LE			1.0	0.030	
			PMZ				1.0	0.070								
			cS	09 19 10.0	1.9				1986 2 12							
			LN				2.0	5.23	O = 11 27 44.5	± 0.07s						
GTA	63.4	320	+iP	09 11 36.5	-0.4				LAT = 6.43 S	± 0.99km						
			S	09 20 04.0	-0.2				LONG = 147.45 E	± 1.49km						
			cSS	09 24 14.0	0.9				DEPTH = 33 km	± 0.15km						
			LN		Ms=5.5	46.0	4.33		STATIONS USED = 80,	STAND DEV = 0.90s						
WMQ	73.4	319	P	09 12 39.4	0.1				Ms = 5.4 / 24,							
			PMZ				1.5	0.10	QZH	42.0	319	cP	11 35 35.2	0.7		
			S	09 22 07.0	3.3							cS	11 41 56.0	5.0		
			LE		Ms=5.5	20.0	1.67					LE		Ms=5.2	20.0	2.14
KSH	80.0	312	cP	09 13 18.0	1.7				GZH	44.4	312	cP	11 35 52.0	-2.3		
												LE		Ms=5.3	18.0	2.29
									QZN	44.9	305	cP	11 35 58.9	0.9		
												cPP	11 37 43.0	-0.7		
												cS	11 42 29.0	-4.2		
												sS	11 42 45.0	-3.7		
												LN		Ms=5.1	15.0	1.10
									SSE	45.0	328	P	11 35 59.0	0.1		
												pP	11 36 11.0	2.8		
												cPP	11 37 48.0	3.1		
												cS	11 42 34.0	-0.8		
												cSS	11 45 47.0	-1.3		
												LN		Ms=5.6	18.0	2.73
												LE			18.0	2.44
									NJ2	47.0	326	+P	11 36 15.5	0.8		
												LN		Ms=5.7	20.0	5.00
									WHN	48.5	321	cP	11 36 28.1	1.1		
												cS	11 43 26.0	0.5		
												sS	11 43 38.0	-3.0		
												LN		Ms=5.2	19.0	1.38
									DL2	51.1	334	+P	11 36 46.5	0.2		
												cS	11 44 00.0	-0.5		
												LN		Ms=5.6	18.0	2.48
												LE			18.0	2.51
									TIA	51.1	328	cP	11 36 45.8	-0.5		
												cS	11 44 03.0	2.4		
												LN		Ms=5.4	18.0	0.97
												LE			19.0	1.81
									GYA	51.3	311	P	11 36 49.2	1.0		

















February, 1986

O=01 25 44.5 ± 0.10s  
 LAT=36.37 N ± 2.52km  
 LONG=141.11 E ± 1.87km  
 DEPTH= 51 km ± 1.53km  
 STATIONS USED = 38, STAND DEV= 2.77s  
 Ms=4.2/ 5,

MDJ	12.0	317	eP	01 28 40.0	4.1		
CN2	14.1	307	eP	01 29 10.0	6.8		
SNY	14.7	297	eP	01 29 12.7	2.1		
			eS	01 31 51.0	-0.5		
			LN	Ms=4.3	15.0	0.82	
			LE		19.0	1.13	
SSE	17.4	258	e(P)	01 29 44.0	-1.2		
			esS	01 33 06.0	-4.4		
			eSS	01 33 18.0	1.8		
			LE	Ms=4.2	20.0	0.87	
TIA	19.3	277	eP	01 30 06.4	-2.2		
BJI	19.9	288	eP	01 30 12.0	-2.9		
TIY	22.9	282	e(P)	01 30 35.4	-9.7		
			(S)	01 34 42.0	-4.8		
			LE	Ms=4.5	14.0	0.73	
XAN	26.3	274	eP	01 31 18.0	0.0		
GYA	30.9	261	P	01 31 58.8	0.0		
CD2	31.4	271	eP	01 32 03.4	-0.3		
GTA	32.5	288	eP	01 32 12.6	-0.8		
WMQ	40.9	297	P	01 33 25.0	0.8		

1986 2 14

O=01 52 01.5 ± 0.08s  
 LAT=44.12 N ± 1.27km  
 LONG= 78.25 E ± 1.24km  
 DEPTH= 36 km ± 0.27km  
 STATIONS USED = 60, STAND DEV= 1.38s  
 Ms=4.9/ 12, M<sub>L</sub>=5.1/ 5,

KSH	5.0	201	eP	01 53 17.8	1.9		
			SMN	M <sub>L</sub> =5.4	1.0	4.60	
			SME		1.0	4.50	
WMQ	6.8	89	P	01 53 41.7	-0.3		
			LG <sub>1</sub>	01 55 31.5	-4.2		
			LE		3.0	4.32	
GTA	16.7	99	P	01 55 52.3	-3.0		
			pP	01 55 58.0	-5.0		
			LN	Ms=4.7	7.0	1.12	
LZH	21.1	104	+iP	01 56 45.0	-0.7		
			PMZ		2.0	0.13	
			eS	02 00 28.0	-5.7		
			LN	Ms=4.9	7.0	1.12	
BTO	23.7	87	+P	01 57 12.0	1.1		
			S	02 01 22.0	2.8		
CD2	24.0	115	eP	01 57 15.6	1.1		

			eS	02 01 28.5	2.0		
HHC	24.7	86	eP	01 57 21.0	0.1		
			S	02 01 37.0	0.2		
			LN	Ms=5.1	4.0	0.71	
			IE		4.0	0.47	
XAN	25.7	103	eP	01 57 30.3	-0.3		
			LN	Ms=4.6	10.0	0.63	
TIY	26.5	92	eP	01 57 37.8	0.1		
			PP	01 58 19.5	-1.3		
			(S)	02 02 09.5	2.1		
KMI	27.5	126	eP	01 57 46.5	-0.7		
			S	02 02 23.0	0.1		
			LN	Ms=4.5	16.0	0.72	
BJI	28.3	85	eP	01 57 53.0	-1.0		
GYA	28.9	118	-P	01 58 00.0	0.1		
WHN	31.5	103	P	01 58 22.3	-0.1		
			LN	Ms=4.7	13.0	0.66	
SNY	32.9	78	eP	01 58 35.2	0.1		
			eS	02 03 48.0	-1.7		
			LN	Ms=4.9	19.0	1.37	
CN2	33.6	74	-P	01 58 40.7	-0.3		
NI2	33.8	97	eP	01 58 42.2	-0.7		
QZN	36.4	123	eP	01 59 04.8	0.2		

1986 2 14

O=04 00 53.9 ± 0.10s  
 LAT=13.42 S ± 1.76km  
 LONG=167.22 E ± 2.33km  
 DEPTH=223 km ± 1.41km  
 STATIONS USED = 55, STAND DEV= 1.38s

SSE	62.5	316	+P	04 10 56.5	-0.2		
			PMZ			1.3	0.050
GZH	64.0	304	P	04 11 06.7	0.5		
NI2	64.7	315	+P	04 11 11.2	0.4		
QZN	65.1	299	P	04 11 13.4	0.3		
			eS	04 19 39.0	2.4		
WHN	67.0	312	eP	04 11 25.0	-0.6		
MDJ	67.1	332	+P	04 11 26.5	0.4		
TIA	68.3	318	eP	04 11 32.0	-1.7		
CN2	68.5	329	+P	04 11 34.4	-0.3		
GYA	70.9	304	P	04 11 50.2	0.6		
BJI	71.2	321	eP	04 11 52.0	0.8		
XAN	72.8	312	+P	04 12 00.8	0.3		
KMI	73.6	301	+iP	04 12 06.5	1.1		
HHC	74.6	319	-P	04 12 10.8	-0.1		
CD2	75.2	307	eP	04 12 15.0	0.6		
BTO	75.4	319	eP	04 12 16.0	0.3		
LZH	77.4	312	+iP	04 12 28.5	1.6		
			PMZ			1.5	0.090
GTA	81.7	314	+iP	04 12 50.7	0.8		

WMQ 91.8 315 P 04 13 38.6 0.1

1986 2 14

O=18 01 17.4 ± 0.09s

LAT=21.04 S ± 2.39km

LONG=178.74 W ± 1.94km

DEPTH=621 km ± 0.80km

STATIONS USED = 67, STAND DEV = 1.19s

SSE 77.5 310 P 18 12 12.5 0.0

PMZ 1.0 0.050

GZH 79.4 300 -P 18 12 23.2 0.7

NJ2 79.7 310 +P 18 12 25.6 1.5

QZN 80.4 295 cP 18 12 29.8 1.8

MDJ 80.6 325 -P 18 12 28.3 -0.3

pP 18 14 34.0 -3.6

sP 18 15 36.0 -2.5

S 18 21 44.0 -1.0

SNY 82.2 320 -P 18 12 36.0 -0.8

WHN 82.2 307 P 18 12 37.0 0.1

CN2 82.3 323 -iP 18 12 36.5 -0.9

PMZ 2.0 0.30

sP 18 15 46.0 -1.9

eS 18 21 57.0 -6.9

SS 18 27 40.0 -5.9

BJI 85.8 316 eP 18 12 55.0 0.5

GYA 86.3 300 P 18 12 58.0 0.9

XAN 87.9 308 -P 18 13 04.7 0.2

KMI 89.0 297 -P 18 13 10.5 0.8

HHC 89.2 315 -P 18 13 10.0 -0.8

BTO 90.1 314 eP 18 13 15.2 0.2

CD2 90.5 303 eP 18 13 17.5 1.0

GTA 96.8 310 P 18 13 44.0 -1.1

1986 2 14

O=20 12 18.5 ± 0.12s

LAT=47.35 N ± 3.36km

LONG=154.00 E ± 2.30km

DEPTH=34 km ± 0.48km

STATIONS USED = 53, STAND DEV = 1.49s

Ms=4.6/ 6,

MDJ 17.2 270 cP 20 16 20.0 2.4

eS 20 19 28.0 2.0

CN2 20.2 270 +P 20 16 50.0 -3.9

LN Ms=4.4 20.0 1.20

SNY 22.3 267 -P 20 17 14.9 0.5

BJI 28.1 269 cP 20 18 11.0 1.4

(S) 20 23 00.0 9.2

LN Ms=4.4 13.0 0.39

SSE 29.9 249 cP 20 18 27.0 1.5

eS 20 23 22.0 2.7

csS 20 23 36.0 1.2

LE Ms=4.9 18.0 1.52

HHC 30.9 274 -iP 20 18 33.8 -0.6

BTO 32.0 274 cP 20 18 40.6 -4.0

XAN 36.2 265 +P 20 19 19.9 -0.3

LZH 38.5 272 +P 20 19 40.0 0.3

PMZ 1.0 0.060

GTA 39.5 279 P 20 19 48.4 0.4

CD2 41.5 265 +iP 20 20 07.5 2.6

PMZ 1.0 0.10

GYA 42.4 258 P 20 20 12.6 0.2

WMQ 45.3 291 P 20 20 35.0 -0.3

QZN 45.6 247 cP 20 20 40.0 1.9

cS 20 27 21.0 2.9

KMI 45.9 260 +P 20 20 40.0 -0.8

KSH 55.0 292 cP 20 21 50.8 1.1

1986 2 14

O=22 46 51.8 ± 0.07s

LAT=28.13 N ± 1.51km

LONG=140.76 E ± 1.71km

DEPTH=36 km ± 0.80km

STATIONS USED = 6, STAND DEV = 2.92s

BJI 23.5 307 cP 22 52 02.5 3.0

CD2 32.2 284 cP 22 53 16.8 -2.6

1986 2 14

O=23 08 46.7 ± 0.11s

LAT=37.72 N ± 1.19km

LONG=115.34 E ± 1.24km

DEPTH=10 km ± 0.21km

STATIONS USED = 35, STAND DEV = 2.74s

Ms=4.0/ 3, ML=4.2/ 16,

TIA 2.1 136 Pn 23 09 22.3 0.3

Pg 23 09 25.6 2.2

Sg 23 09 51.3 -0.5

SME ML=3.5 0.3 0.41

BJI 2.4 15 Pn 23 09 27.5 1.0

Pg 23 09 31.0 1.8

Sg 23 10 01.0 -1.2

SMN ML=4.4 0.5 2.34

SME 0.5 1.87

HHC 4.3 318 cPn 23 09 52.0 -0.4

Pg 23 10 05.2 2.9

Sg 23 11 02.4 1.5

SMN ML=4.5 1.0 0.82

SME 1.0 0.88

BTO 5.0 306 cPg 23 10 17.7 1.9

Sg 23 11 19.8 -4.7

SMN ML=4.6 1.2 0.66

			SME			1.2	0.67		O = 12 37 55.5	± 0.08s			
XAN	6.4	237	ePn	23 10 20.8	-0.3				LAT = 37.72 N	± 0.63km			
			Pg	23 10 41.4	2.2				LONG = 115.33 E	± 0.71km			
			Sg	23 12 03.6	-2.7				DEPTH = 14 km	± 0.35km			
			SMN	M <sub>L</sub> = 3.9		1.0	0.11		STATIONS USED = 7,	STAND DEV = 2.57s			
			SME			1.0	0.050		M <sub>L</sub> = 2.9 / 5,				
WHN	7.2	187	ePn	23 10 33.0	0.6			TIA	2.1	136	Pn	12 38 28.5	-1.9
			Sn	23 11 55.5	-1.2						Pg	12 38 31.2	-1.0
			LG <sub>1</sub>	23 12 33.0	0.0						Sg	12 38 59.9	-0.8
			LG <sub>2</sub>	23 12 45.0	0.6						SMN	M <sub>L</sub> = 2.9	0.4 0.098
			LN	M <sub>s</sub> = 4.1		11.0	0.80				SME		0.4 0.098
			LE			11.0	1.52	BJI	2.4	16	ePn	12 38 35.0	0.0
SNY	7.6	55	ePn	23 10 39.7	2.5						ePg	12 38 40.0	1.9
			LG <sub>1</sub>	23 12 43.0	-1.0						Sg	12 39 07.5	-3.6
			LN			1.2	0.090				SMN	M <sub>L</sub> = 2.1	0.5 0.010
			LE			1.2	0.060				SME		0.5 0.011
SSE	8.2	142	e(P)	23 10 49.0	0.5			BTO	5.0	307	ePg	12 39 25.3	0.7
			LN			1.0	0.040				Sg	12 40 27.6	-5.6
			LE			1.0	0.050	XAN	6.4	237	ePg	12 39 47.0	-1.1
LZH	9.4	263	eP	23 11 04.5	-0.4								
			LG <sub>1</sub>	23 13 35.0	-5.4								
			LN	M <sub>s</sub> = 4.0		8.0	0.67						
CN2	9.8	48	eP	23 11 06.0	-4.7				1986 2 15				
CD2	11.7	238	eP	23 11 34.2	-3.3				O = 19 56 35.5	± 0.10s			
			LG <sub>2</sub>	23 15 05.0	-8.8				LAT = 4.51 N	± 2.58km			
GTA	12.3	283	eP	23 11 41.5	-3.4				LONG = 62.70 E	± 1.54km			
			LG <sub>2</sub>	23 15 23.5	-8.1				DEPTH = 9 km	± 0.14km			
			LN			1.2	0.060		STATIONS USED = 53,	STAND DEV = 1.34s			
GYA	13.4	216	P	23 12 03.0	3.0			KSH	36.8	17	eP	20 03 48.8	2.6
WMQ	21.7	295	eP	23 13 46.0	5.3						eS	20 09 36.0	5.8
											LN	M <sub>s</sub> = 5.2	15.0 1.90
								KMI	43.5	58	eP	20 04 42.5	0.5
											S	20 11 14.0	4.3
								WMQ	44.9	26	P	20 04 54.4	1.3
								CD2	46.7	51	eP	20 05 08.2	1.3
											eS	20 11 56.0	0.0
											LE	M <sub>s</sub> = 5.1	20.0 1.38
								GYA	47.3	58	P	20 05 12.0	-0.1
								QZN	48.2	69	eP	20 05 19.5	0.8
											eS	20 12 11.5	-5.7
											sS	20 12 25.0	-1.2
								GTA	48.3	39	+P	20 05 19.8	0.1
								LZH	49.2	45	eP	20 05 26.0	-0.4
								XAN	51.9	50	eP	20 05 46.5	-1.1
								WHN	55.0	56	P	20 06 09.5	-0.8
								BTO	55.6	43	eP	20 06 14.7	0.3
											eS	20 13 56.0	-2.9
											LN	M <sub>s</sub> = 5.0	17.0 0.50
											LE		17.0 0.40
								TIY	56.0	47	eP	20 06 17.0	-0.7
								HHC	56.7	43	P	20 06 23.0	0.2

1986 2 15  
 O = 07 34 10.7 ± 0.11s  
 LAT = 34.99 N ± 2.17km  
 LONG = 24.84 E ± 1.85km  
 DEPTH = 40 km ± 0.39km  
 STATIONS USED = 38, STAND DEV = 1.33s

WMQ	48.3	60	P	07 42 51.5	0.7		
			PMZ			1.2	0.040
GTA	58.3	62	P	07 44 04.0	-0.5		
LZH	62.5	64	eP	07 44 34.0	0.6		
CD2	64.7	69	eP	07 44 48.6	1.0		
HHC	66.0	56	P	07 44 56.0	0.2		
XAN	67.1	64	eP	07 45 04.0	0.7		
GYA	69.0	72	P	07 45 15.8	0.6		
BJI	69.4	55	eP	07 45 18.5	1.0		
SNY	73.4	50	eP	07 45 40.4	-0.7		
CN2	73.5	48	eP	07 45 40.4	-1.4		

1986 2 15

TIA	59.0	50	cP	20 06 38.1	-0.5		
			LN		$M_s=4.8$	23.0	0.50
			LE			28.0	0.37
NJ2	59.1	55	-P	20 06 39.0	-0.6		
BJI	59.6	46	cP	20 06 44.0	1.1		
SNY	65.5	46	cP	20 07 21.4	-0.6		
CN2	67.4	44	cP	20 07 32.0	-2.1		
MDJ	70.5	44	cP	20 07 52.0	-1.2		
			S	20 17 08.0	3.9		

1986 2 15

O=21 37 49.6 ± 0.11s

LAT=15.15 N ± 2.96km

LONG= 91.09 W ± 3.23km

DEPTH=136 km

STATIONS USED = 31, STAND DEV = 1.66s

WMQ	121.3	1	PKP	21 56 28.4	0.6		
TIY	123.0	338	cPKP	21 56 31.0	0.1		
KSH	124.4	12	cPKP	21 56 36.8	3.0		
SSE	124.5	326	PKP	21 56 35.0	1.1		
NJ2	125.0	329	+PKP	21 56 35.2	0.4		
WHN	128.4	332	iPKP	21 56 42.0	0.6		
GZH	135.1	327	cPKP	21 56 56.0	1.9		

1986 2 15

O=21 49 52.3 ± 0.16s

LAT=28.36 N ± 2.35km

LONG=140.78 E ± 2.86km

DEPTH= 30 km ± 0.83km

STATIONS USED = 28, STAND DEV = 2.28s

 $M_s=4.6/11,$   $m_B=5.7/13$ 

SSE	17.2	284	-iP	21 53 50.0	-2.6		
			PMZ		$m_B=5.4$	8.0	1.41
			SS	21 57 16.0	-6.7		
			LN		$M_s=4.9$	10.0	2.25
MDJ	18.5	334	-P	21 54 06.0	-2.6		
DL2	19.1	308	-P	21 54 15.0	-0.2		
			PMZ		$m_B=5.6$	6.0	1.86
			cS	21 57 38.0	-5.3		
			LN		$M_s=4.6$	11.0	0.96
NJ2	19.3	286	-P	21 54 18.0	0.2		
			PMZ		$m_B=5.5$	7.0	1.60
SNY	19.4	318	P	21 54 16.0	-3.0		
			pP	21 54 27.0	0.5		
			SS	21 58 12.0	-4.9		
			LN		$M_s=4.8$	12.0	0.85
			LE			11.0	1.60
CN2	19.7	325	+P	21 54 22.0	-0.5		
			cS	21 57 55.0	-3.1		
			LN		$M_s=4.7$	10.0	1.10

TIA	21.4	297	cP	21 54 41.1	0.7		
			PMZ		$m_B=5.8$	6.0	2.65
			S	21 58 36.0	4.9		
			SMN		$m_B=5.5$	7.5	0.50
			SME			7.5	1.21
			LE		$M_s=4.6$	8.5	0.60
WHN	23.1	282	P	21 55 00.0	3.2		
			PMZ		$m_B=5.8$	6.0	2.58
			PP	21 55 33.0	6.2		
			cS	21 59 06.0	3.9		
			SME		$m_B=5.7$	9.0	2.01
			sS	21 59 16.0	0.1		
			LN		$M_s=4.8$	10.0	1.11
BJI	23.4	306	cP	21 55 00.0	0.5		
			cS	21 59 15.0	8.2		
			LN		$M_s=4.6$	10.0	0.60
TIY	25.4	299	cP	21 55 20.4	0.8		
			PMZ		$m_B=6.1$	5.0	2.53
			S	21 59 46.5	5.0		
XAN	27.8	290	cP	21 55 34.6	-6.3		
			PMZ		$m_B=5.7$	6.0	0.96
			cPP	21 56 25.0	-4.5		
			S	22 00 16.6	-2.7		
			SME		$m_B=5.0$	11.0	0.45
			LN		$M_s=4.6$	11.0	0.54
QZN	29.7	259	P	21 56 00.0	1.5		
			PP	21 56 56.0	0.8		
			cS	22 00 50.0	-1.7		
			SS	22 02 27.5	1.0		
CD2	32.2	284	cP	21 56 20.4	0.2		

1986 2 15

O=22 07 26.3 ± 0.12s

LAT= 3.30 S ± 1.81km

LONG=146.53 E ± 4.25km

DEPTH= 3 km ± 0.50km

STATIONS USED = 22, STAND DEV = 2.45s

TIA	48.0	328	cP	22 16 08.5	-0.1		
XAN	51.3	320	cP	22 16 31.5	-3.0		
BJI	51.3	330	cP	22 16 35.0	0.5		
CD2	53.1	313	cP	22 16 47.4	-0.4		
HHC	54.3	328	cP	22 16 59.0	2.1		
BTO	55.0	326	cP	22 17 04.0	2.2		
LZH	55.9	318	cP	22 17 09.0	0.6		
GTA	60.4	320	P	22 17 37.6	-2.4		
WMQ	70.5	319	P	22 18 48.0	3.1		

1986 2 15

O=23 08 33.1 ± 0.10s

LAT= 8.47 S ± 1.71km

LONG = 128.23 E ± 1.71km  
 DEPTH = 32 km ± 0.27km  
 STATIONS USED = 13, STAND DEV = 2.65s  
 CD2 45.7 330 eP 23 16 56.4 3.3  
 BJI 49.5 348 eP 23 17 23.0 -0.3

1986 2 15

O = 23 40 43.5 ± 0.04s  
 LAT = 33.68 N ± 0.34km  
 LONG = 116.47 E ± 0.47km  
 DEPTH = 8 km ± 0.17km  
 STATIONS USED = 6, STAND DEV = 1.34s

$M_L = 2.7 / 6,$

NJ2 2.6 128 cPg 23 41 28.1 -1.0  
 eSg 23 42 01.4 -3.0  
 SMN  $M_L = 3.4$  0.4 0.20  
 SME 0.4 0.20  
 TIA 2.6 12 Pg 23 41 29.5 0.3  
 Sg 23 42 03.0 -1.5  
 SMN  $M_L = 2.6$  0.3 0.030  
 SME 0.3 0.033  
 WHN 3.6 210 cPg 23 41 48.5 1.3  
 Sg 23 42 34.5 -2.0  
 SMN  $M_L = 3.2$  0.6 0.050  
 SME 0.6 0.070

1986 2 16

O = 02 06 20.1 ± 0.32s  
 LAT = 35.07 N ± 4.95km  
 LONG = 27.51 E ± 3.33km  
 DEPTH = 33 km  
 STATIONS USED = 9, STAND DEV = 4.48s  
 GTA 56.3 63 eP 02 16 01.2 0.5  
 CD2 62.6 70 (P) 02 16 35.8 -8.4  
 HHC 64.1 57 eP 02 16 54.0 0.1

1986 2 16

O = 02 47 47.3 ± 0.06s  
 LAT = 66.68 N ± 0.96km  
 LONG = 135.78 W ± 0.92km  
 DEPTH = 24 km ± 0.26km  
 STATIONS USED = 27, STAND DEV = 1.15s  
 WMQ 64.9 327 eP 02 58 28.0 0.1  
 GTA 66.1 316 eP 02 58 33.6 -1.6  
 XAN 68.3 306 eP 02 58 48.0 -1.2  
 CD2 72.8 309 eP 02 59 17.6 0.9  
 GYA 76.0 305 P 02 59 35.8 0.5

1986 2 16

O = 08 51 22.3 ± 0.08s

LAT = 23.81 S ± 1.19km  
 LONG = 179.85 W ± 0.62km  
 DEPTH = 513 km ± 1.24km  
 STATIONS USED = 36, STAND DEV = 0.95s

NJ2 80.7 311 +P 09 02 43.8 0.4  
 MDJ 82.3 326 -P 09 02 51.0 -0.4  
 WHN 83.0 308 +iP 09 02 56.0 0.7  
 SNY 83.7 321 eP 09 02 57.0 -1.3  
 CN2 83.9 324 -P 09 02 59.0 -0.5  
 TIA 84.3 314 -P 09 03 01.8 0.5  
 GYA 86.8 301 P 09 03 14.8 1.1  
 BJI 87.1 316 eP 09 03 16.0 1.3  
 TIY 88.2 313 +iP 09 03 21.2 0.9  
 XAN 88.8 308 -iP 09 03 23.6 0.6  
 KMI 89.3 298 eP 09 03 26.5 0.8  
 CD2 91.1 303 eP 09 03 35.2 1.4

1986 2 16

O = 09 09 25.8 ± 0.11s  
 LAT = 12.31 S ± 1.70km  
 LONG = 167.16 E ± 2.29km  
 DEPTH = 284 km ± 0.72km  
 STATIONS USED = 34, STAND DEV = 1.87s

NJ2 63.9 315 +P 09 19 30.7 -0.2  
 MDJ 66.1 332 eP 09 19 45.0 -0.1  
 CN2 67.5 329 +P 09 19 53.3 -0.8  
 BJI 70.3 321 eP 09 20 11.0 -0.2  
 TIY 71.4 317 eP 09 20 18.5 0.7  
 XAN 72.0 312 eP 09 20 21.4 0.2  
 CD2 74.5 307 eP 09 20 36.6 0.9  
 GTA 80.9 314 P 09 21 11.2 0.3  
 WMQ 91.0 315 P 09 21 59.5 -0.3

1986 2 16

O = 09 29 54.0 ± 0.07s  
 LAT = 22.62 S ± 2.45km  
 LONG = 174.77 W ± 1.92km  
 DEPTH = 44 km ± 0.55km  
 STATIONS USED = 25, STAND DEV = 1.38s

MDJ 84.0 324 +P 09 42 21.5 -0.4  
 DL2 85.3 315 eP 09 42 28.2 -0.4  
 CN2 85.8 321 +P 09 42 30.0 -0.9  
 TIA 86.9 311 eP 09 42 36.4 0.0  
 GYA 90.3 299 P 09 42 53.4 0.8  
 TIY 90.9 311 e(P) 09 42 55.5 0.0  
 XAN 91.8 306 -iP 09 43 00.0 0.5

1986 2 16

O = 16 44 56.0 ± 0.36s  
 LAT = 27.80 N ± 4.12km



LONG = 140.90 E  $\pm$  5.18km  
 DEPTH = 40 km  $\pm$  6.24km  
 STATIONS USED = 15, STAND DEV = 3.19s  
 $M_s = 4.1 / 3,$   $m_B = 5.4 / 5$

SSE	17.5	286	-P	16 48 59.0	0.5		
NJ2	19.6	288	+P	16 49 23.0	-0.4		
			PMZ			$m_B = 5.3$	5.0 0.80
			eS	16 53 00.0	3.4		
CN2	20.2	326	eP	16 49 38.5	7.7		
TIA	21.8	299	eP	16 49 43.7	-2.9		
			eS	16 53 46.0	5.8		
			LE			$M_s = 4.2$	14.0 0.47
WHN	23.3	283	P	16 50 02.0	0.4		
BJI	23.8	307	eP	16 50 06.0	-0.2		
			eS	16 54 21.0	5.2		
			SMN			$m_B = 5.2$	5.5 0.28
			SME				7.0 0.29
TIY	25.8	300	eP	16 50 23.5	-2.2		
			PP	16 51 09.5	3.7		
			S	16 54 46.5	-2.6		
			sS	16 55 03.5	-3.6		
			LE			$M_s = 3.9$	10.0 0.12
CD2	32.4	285	eP	16 51 25.8	0.9		
WMQ	45.2	305	P	16 53 14.0	2.2		

1986 2 16

O = 22 42 39.7  $\pm$  0.18s  
 LAT = 26.79 N  $\pm$  2.41km  
 LONG = 141.78 E  $\pm$  4.44km  
 DEPTH = 24 km  $\pm$  3.62km  
 STATIONS USED = 12, STAND DEV = 4.32s

SNY	21.2	320	eP	22 47 27.0	1.1
XAN	29.2	292	eP	22 48 40.4	-1.2
CD2	33.4	286	eP	22 49 18.8	-0.6

1986 2 16

O = 23 26 01.3  $\pm$  0.03s  
 LAT = 13.01 N  $\pm$  0.41km  
 LONG = 144.00 E  $\pm$  0.19km  
 DEPTH = 106 km  $\pm$  0.26km  
 STATIONS USED = 9, STAND DEV = 0.66s

CD2	41.1	302	eP	23 33 37.3	0.7
GTA	46.9	312	P	23 34 23.6	-0.1

1986 2 16

O = 23 40 20.2  $\pm$  0.06s  
 LAT = 36.50 N  $\pm$  1.01km  
 LONG = 70.16 E  $\pm$  0.91km  
 DEPTH = 186 km  $\pm$  0.73km  
 STATIONS USED = 19, STAND DEV = 1.47s

$M_L = 4.7 / 2,$

KSH	5.5	56	eP	23 41 43.7	2.3
			S	23 42 44.7	1.0
			SMN		$M_L = 4.8$
			SME		0.3 1.08
					0.2 0.74
WMQ	15.3	56	P	23 43 47.8	0.2
			S	23 46 37.3	6.4
			SME		2.0 0.14
LSA	18.8	105	+P	23 44 29.0	0.2
GTA	23.5	74	P	23 45 16.4	1.5
			PP	23 46 02.6	6.3
GYA	32.5	97	P	23 46 36.0	-0.2

1986 2 17

O = 02 05 14.4  $\pm$  0.07s  
 LAT = 20.57 S  $\pm$  1.83km  
 LONG = 173.43 W  $\pm$  1.78km  
 DEPTH = 36 km  $\pm$  0.48km

STATIONS USED = 27, STAND DEV = 1.47s

MDJ	83.1	323	eP	02 17 38.5	-0.2
CN2	85.0	320	eP	02 17 46.8	-1.6
TIA	86.5	311	eP	02 17 56.5	0.7
BJI	89.0	314	eP	02 18 08.0	0.4
XAN	91.6	306	eP	02 18 20.4	0.4
HHC	92.5	313	eP	02 18 24.6	0.5

1986 2 17

O = 12 36 23.4  $\pm$  0.06s  
 LAT = 36.44 N  $\pm$  0.95km  
 LONG = 71.14 E  $\pm$  0.96km  
 DEPTH = 123 km  $\pm$  0.40km

STATIONS USED = 25, STAND DEV = 1.83s

$M_L = 4.9 / 2,$

KSH	4.9	50	eP	12 37 41.8	5.7
			S	12 38 38.8	7.4
			SME		$M_L = 5.1$
					1.0 2.60
WMQ	14.6	55	P	12 39 46.0	0.1
			S	12 42 25.0	0.3
			LE		2.5 0.050
LSA	18.0	106	eP	12 40 28.4	0.1
GTA	22.8	74	+iP	12 41 19.4	3.0
CD2	27.6	92	eP	12 42 03.4	1.7
GYA	31.7	98	P	12 42 39.2	0.8
TIY	32.8	75	eP	12 42 49.0	1.6

1986 2 17

O = 22 07 03.3  $\pm$  0.09s  
 LAT = 37.67 N  $\pm$  0.95km  
 LONG = 115.43 E  $\pm$  0.92km  
 DEPTH = 6 km  $\pm$  0.19km

STATIONS USED = 25, STAND DEV = 2.45s					STATIONS USED = 12, STAND DEV = 1.05s								
M <sub>L</sub> = 3.9 / 15,					1986 2 18								
TIA	2.0	136	Pn	22 07 35.6	-2.3	QZN	19.1	36	eP	00 14 28.5	1.8		
			Pg	22 07 42.5	4.0	CD2	27.7	10	eP	00 15 48.5	-0.4		
			Sg	22 08 08.9	3.2	XAN	31.9	17	eP	00 16 25.6	-0.8		
			SMN	M <sub>L</sub> = 3.5	0.4	0.41	CN2	46.7	27	P	00 18 28.4	-0.5	
			SME		0.4	0.44	1986 2 18						
TIY	2.4	272	Pn	22 07 43.3	0.0	O = 00 57 03.7					± 0.08s		
			Pg	22 07 46.3	1.0	LAT = 29.98 N					± 1.11km		
			Sn	22 08 07.7	-6.8	LONG = 139.10 E					± 1.41km		
			Sg	22 08 16.8	-0.9	DEPTH = 413 km					± 1.70km		
			SMN	M <sub>L</sub> = 4.0	0.6	0.79	STATIONS USED = 27, STAND DEV = 1.35s						
			SME		0.8	1.02	NJ2	17.5	282	+P	01 00 42.4	-0.6	
BJI	2.4	14	ePn	22 07 43.0	-1.0	CN2	17.6	326	eP	01 00 42.2	-1.7		
			Pg	22 07 47.0	0.6	BJI	21.2	304	eP	01 01 19.0	-0.7		
			cSg	22 08 20.0	0.3	XAN	25.9	287	+iP	01 02 01.6	-0.4		
			SMN	M <sub>L</sub> = 4.2	0.5	1.46	GYA	28.7	271	P	01 02 28.0	0.5	
			SME		0.5	1.57	CD2	30.4	281	eP	01 02 41.8	-0.1	
DL2	5.0	74	ePn	22 08 22.5	2.8	GTA	33.4	297	P	01 03 07.4	-0.4		
			Sn	22 09 23.3	2.9	WMQ	42.7	303	P	01 04 24.8	0.6		
			SMN		2.0	0.56	1986 2 18						
			SME		2.0	0.27	O = 01 14 34.2					± 0.06s	
BTO	5.1	306	ePg	22 08 35.1	1.1	LAT = 2.64 N					± 0.85km		
			Sg	22 09 36.6	-7.2	LONG = 128.27 E					± 1.63km		
			SMN	M <sub>L</sub> = 3.9	0.8	0.16	DEPTH = 32 km					± 0.10km	
			SME		0.8	0.14	STATIONS USED = 13, STAND DEV = 1.42s						
NJ2	6.3	152	ePn	22 08 41.2	4.5	BJI	38.8	345	eP	01 21 58.5	0.4		
			Sn	22 09 55.0	4.0	GTA	44.8	328	P	01 22 47.6	0.1		
			LE		0.9	0.15	1986 2 18						
XAN	6.4	238	Pn	22 08 38.0	-0.6	O = 02 46 51.8					± 0.03s		
			Pg	22 09 02.7	6.3	LAT = 37.68 N					± 0.35km		
			Sg	22 10 23.0	-1.0	LONG = 115.40 E					± 0.24km		
			SMN	M <sub>L</sub> = 3.7	1.0	0.050	DEPTH = 16 km					± 0.14km	
			SME		1.0	0.040	STATIONS USED = 5, STAND DEV = 1.46s						
WHN	7.2	187	ePn	22 08 51.0	2.0	M <sub>L</sub> = 3.0 / 4,							
			LG <sub>1</sub>	22 10 50.6	2.3	TIA	2.0	136	Pn	02 47 26.3	0.6		
			LG <sub>2</sub>	22 11 06.0	6.3				Pg	02 47 29.0	1.5		
			LN		0.7	0.070				Sg	02 47 56.5	1.4	
			LE		0.8	0.070				SMN	M <sub>L</sub> = 2.9	0.4	0.11
CD2	11.8	238	eP	22 09 51.4	-3.7				SME		0.4	0.10	
GTA	12.4	283	eP	22 09 59.2	-3.9	TIY	2.4	272	Pg	02 47 32.8	-0.8		
			LG <sub>1</sub>	22 13 34.9	3.6				Sg	02 48 03.5	-2.2		
			LN		1.0	0.020				SMN	M <sub>L</sub> = 3.0	0.6	0.090
GYA	13.4	216	P	22 10 20.0	2.8				SME		0.8	0.11	
1986 2 18					1986 2 18								
O = 00 10 12.8 ± 0.12s					O = 00 57 03.7 ± 0.08s								
LAT = 3.62 N ± 1.00km					LAT = 29.98 N ± 1.11km								
LONG = 98.14 E ± 0.90km					LONG = 139.10 E ± 1.41km								
DEPTH = 151 km ± 0.57km					DEPTH = 413 km ± 1.70km								
1986 2 18					1986 2 18								
O = 01 14 34.2 ± 0.06s					O = 01 14 34.2 ± 0.06s								
LAT = 2.64 N ± 0.85km					LAT = 2.64 N ± 0.85km								
LONG = 128.27 E ± 1.63km					LONG = 128.27 E ± 1.63km								
DEPTH = 32 km ± 0.10km					DEPTH = 32 km ± 0.10km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km					LONG = 115.40 E ± 0.24km								
DEPTH = 16 km ± 0.14km					DEPTH = 16 km ± 0.14km								
1986 2 18					1986 2 18								
O = 02 46 51.8 ± 0.03s					O = 02 46 51.8 ± 0.03s								
LAT = 37.68 N ± 0.35km					LAT = 37.68 N ± 0.35km								
LONG = 115.40 E ± 0.24km</													

			SME		0.5	0.25	GTA	26.5	320	P	10 08 45.4	-0.6		
BTO	5.1	306	ePg	02 48 23.0		0.9	WMQ	36.5	317	eP	10 10 14.4	0.6		
			S*	02 49 24.2		4.6								
1986 2 18														
O=02 57 33.9 ± 0.17s														
LAT=39.11 S ± 3.73km														
LONG=119.43 E ± 2.75km														
DEPTH= 2 km ± 2.11km														
STATIONS USED = 15, STAND DEV = 3.63s														
CD2	71.2	346	eP	03 09 05.2		8.2								
GTA	80.2	345	P	03 09 48.1		-0.3								
CN2	82.7	4	+P	03 09 58.4		-3.0								
WMQ	87.4	338	P	03 10 20.4		-4.6								
1986 2 18														
O=10 03 08.8 ± 0.11s														
LAT=20.64 N ± 2.14km														
LONG=121.77 E ± 1.98km														
DEPTH= 33 km ± 1.32km														
STATIONS USED = 47, STAND DEV = 2.39s														
Ms=4.0/ 4, ML=3.9/ 2,														
QZH	5.2	326	-P	10 04 24.5		-1.7								
			S	10 05 18.0		-7.5								
			SMN	ML=3.7		1.0	0.13							
			SME			0.8	0.050							
GZH	8.2	289	eP	10 05 03.5		-4.8								
			LN			0.8	0.090							
			LE			1.0	0.080							
QZN	11.3	264	eP	10 05 50.6		-1.0								
			eS	10 07 53.1		-5.1								
			LN	Ms=4.0		14.0	0.50							
			LE			13.0	0.50							
WHN	11.9	327	P	10 05 56.0		-3.4								
			eS	10 08 05.5		-6.7								
GYA	15.0	296	P	10 06 41.0		0.5								
TIA	16.0	346	eP	10 06 54.4		0.7								
XAN	17.5	322	+P	10 07 14.2		1.6								
CD2	19.1	306	-iP	10 07 33.0		0.7								
			PMZ			0.8	0.040							
BJI	19.9	347	eP	10 07 38.0		-2.7								
LZH	22.0	318	eP	10 08 02.5		0.5								
			PMZ			2.0	0.060							
BTO	22.3	336	eP	10 08 05.0		0.1								
			eS	10 11 59.0		-4.3								
			LN	Ms=4.6		14.0	0.91							
			LE			13.0	0.30							
CN2	23.3	7	eP	10 08 15.0		0.1								
			eS	10 12 19.0		-2.5								
MDJ	24.8	13	eP	10 08 30.5		1.3								
1986 2 18														
O=10 27 02.5 ± 0.04s														
LAT=37.69 N ± 0.45km														
LONG=115.36 E ± 0.35km														
DEPTH= 19 km ± 0.20km														
STATIONS USED = 11, STAND DEV = 3.66s														
ML=3.5/ 8,														
TIA	2.0	136	ePn	10 27 37.7		1.3								
			Pg	10 27 39.9		1.3								
			Sg	10 28 07.2		0.6								
			SMN	ML=3.3		0.4	0.21							
			SME			0.4	0.25							
TIY	2.3	272	+iPg	10 27 43.9		0.1								
			Sg	10 28 14.4		-1.1								
			SMN	ML=3.5		0.8	0.29							
			SME			0.8	0.36							
BJI	2.4	15	ePn	10 27 41.0		-0.8								
			ePg	10 27 45.0		-0.6								
			Sg	10 28 16.0		-2.9								
			SMN	ML=3.7		0.5	0.58							
			SME			0.5	0.37							
HHC	4.3	318	ePg	10 28 19.0		-0.1								
			Sg	10 29 18.0		0.0								
			SMN	ML=3.6		0.8	0.11							
			SME			0.6	0.080							
BTO	5.1	307	ePg	10 28 33.0		0.7								
			Sg	10 29 35.0		-6.5								
			SMN	ML=3.4		0.8	0.050							
			SME			0.8	0.040							
XAN	6.4	237	ePn	10 28 35.8		-0.2								
			eSg	10 30 16.4		-5.8								
1986 2 18														
O=12 24 37.5 ± 0.44s														
LAT=24.82 N ± 4.58km														
LONG=122.99 E ± 2.40km														
DEPTH= 40 km														
STATIONS USED = 19, STAND DEV = 4.21s														
Ms=3.5/ 2, ML=3.9/ 1,														
QZH	4.0	273	eP	12 25 40.0		1.9								
			LN	Ms=3.3		8.0	0.54							
NJ2	8.1	334	eP	12 26 44.7		9.5								
			LE	Ms=3.7		9.0	0.40							
GYA	14.8	280	P	12 28 14.0		7.5								
XAN	15.3	310	eP	12 28 16.4		3.7								
BJI	16.2	341	(P)	12 28 25.0		0.7								
CD2	18.0	294	eP	12 28 46.2		-1.1								

February, 1986



CN2	19.0	5	eP	12 28 58.0	-1.3
MDJ	20.5	14	eP	12 29 15.0	0.4
GTA	24.3	312	P	12 29 51.5	-1.8

1986 2 18

O=13 10 34.8 ± 0.07s  
 LAT=11.48 S ± 0.79km  
 LONG=166.70 E ± 1.74km  
 DEPTH= 35 km ± 0.18km  
 STATIONS USED = 13, STAND DEV= 1.25s

CN2	66.6	329	eP	13 21 22.6	-1.7
XAN	71.1	312	eP	13 21 52.0	-0.3
CD2	73.6	307	eP	13 22 07.6	0.4
GTA	80.0	314	P	13 22 44.0	0.6

1986 2 18

O=14 34 02.9 ± 0.13s  
 LAT=40.76 N ± 2.02km  
 LONG= 22.11 E ± 1.76km  
 DEPTH= 21 km ± 0.27km  
 STATIONS USED = 30, STAND DEV= 1.74s

WMQ	47.5	63	eP	14 42 40.0	1.2
GTA	57.6	64	P	14 43 52.8	-1.3
HHC	64.6	57	eP	14 44 40.2	-1.4
CD2	64.7	70	eP	14 44 41.5	-0.9
XAN	66.6	65	eP	14 44 53.2	-1.2
BJI	68.0	56	eP	14 45 02.5	-0.5
GYA	69.3	73	eP	14 45 15.0	3.3
CN2	71.2	48	eP	14 45 22.4	-0.8

1986 2 18

O=17 24 39.0 ± 0.04s  
 LAT= 5.04 S ± 0.59km  
 LONG=149.74 E ± 0.31km  
 DEPTH=397 km ± 0.32km  
 STATIONS USED = 16, STAND DEV= 0.72s

XAN	54.7	318	+P	17 33 31.4	-0.3
CD2	56.6	312	eP	17 33 45.4	0.5
GTA	63.8	319	P	17 34 33.4	0.6

1986 2 19

O=00 53 38.4 ± 0.06s  
 LAT=41.51 N ± 1.57km  
 LONG=142.14 E ± 1.13km  
 DEPTH= 71 km ± 0.74km  
 STATIONS USED = 62, STAND DEV= 1.40s

MDJ	9.7	293	eP	00 55 58.7	1.1
CN2	12.5	286	+P	00 56 37.0	1.6
			epP	00 56 46.0	-1.3
SNY	13.9	277	eP	00 56 56.0	2.6

DL2	15.9	267	eP	00 57 22.0	2.8
BJI	19.7	274	eP	00 58 02.5	-2.3
SSE	19.8	245	eP	00 58 06.0	0.3
			epP	00 58 23.0	3.1
			esP	00 58 26.0	-3.4
			esS	01 01 58.0	-3.1
			eSS	01 02 11.0	1.0
TIA	20.2	263	eP	00 58 07.6	-2.1
NJ2	20.9	251	+P	00 58 15.6	-1.2
TIY	23.1	270	eP	00 58 38.2	-1.4
BTO	24.2	279	eP	00 58 48.4	-1.2
WHN	24.9	253	eP	00 58 56.0	-0.4
XAN	27.2	265	eP	00 59 16.0	-1.7
LZH	30.2	272	eP	00 59 43.5	-1.0
GTA	32.0	281	P	01 00 00.0	-1.1
CD2	32.5	263	-iP	01 00 03.8	-1.0
GYA	32.8	254	P	01 00 06.6	-0.7
WMQ	39.5	292	-P	01 01 04.7	0.5
LSA	42.5	271	-P	01 01 30.4	0.7
KSH	49.2	291	e(P)	01 02 23.6	1.2

1986 2 19

O=04 39 59.7 ± 0.14s  
 LAT=32.09 N ± 2.62km  
 LONG= 67.48 E ± 2.60km  
 DEPTH= 37 km ± 0.77km  
 STATIONS USED = 26, STAND DEV= 2.61s  
 Ms=4.7 / 3,

KSH	10.1	41	eP	04 42 28.0	2.6
			cS	04 44 27.0	8.7
			LG <sub>2</sub>	04 45 39.0	6.8
			LE	Ms=5.0	8.0 5.60
WMQ	19.7	48	P	04 44 29.0	-0.3
			(S)	04 48 04.0	-0.6
			SMN		3.0 0.19
LSA	20.4	90	eP	04 44 37.2	-0.2
GTA	29.1	65	P	04 45 42.2	0.3
KMI	31.6	94	-P	04 46 22.0	-0.1
GYA	34.5	89	P	04 46 48.4	1.4
XAN	34.6	75	eP	04 46 47.0	-0.9
TIY	37.0	69	eP	04 47 08.6	0.3
NJ2	43.2	76	eP	04 47 57.8	-1.4

1986 2 19

O=06 20 16.3 ± 0.20s  
 LAT=38.34 N ± 2.46km  
 LONG= 78.85 E ± 2.14km  
 DEPTH= 8 km ± 0.19km  
 STATIONS USED = 11, STAND DEV= 4.29s  
 M<sub>L</sub>=4.4 / 5,

KSH	2.5	297	ePn	06 20 58.0	0.3		
			Pg	06 21 03.0	2.6		
			Sn	06 21 30.0	-0.1		
			SMN	$M_L=4.7$	0.5	4.70	
WMQ	8.6	48	eP	06 22 27.2	2.4		
			S	06 24 06.3	3.3		
			LG <sub>2</sub>	06 25 03.0	1.9		
			LN			2.0	0.14
GTA	16.4	80	P	06 24 06.4	-2.0		

1986 2 19

O=06 43 40.6 ± 0.05s

LAT=40.45 N ± 0.83km

LONG= 71.97 E ± 0.97km

DEPTH= 25 km ± 0.35km

STATIONS USED = 8, STAND DEV = 2.67s

$M_L=4.3/2,$

KSH	3.2	107	ePn	06 44 30.5	0.0		
			Sg	06 45 15.3	-6.9		
			SMN	$M_L=4.4$	0.5	1.25	
			SME		0.5	1.36	
WMQ	12.1	69	eP	06 46 34.0	-1.4		

1986 2 19

O=10 54 45.1 ± 0.07s

LAT=48.61 N ± 1.97km

LONG=153.48 E ± 1.19km

DEPTH=114 km ± 0.16km

STATIONS USED = 76, STAND DEV = 1.11s

MDJ	16.9	265	-P	10 58 36.5	0.7		
			S	11 01 46.0	8.1		
			ScP	11 06 39.0	-0.8		
CN2	19.9	267	+iP	10 59 08.0	-2.4		
			PMZ			3.0	0.60
SNY	22.0	263	-iP	10 59 32.5	1.1		
			PMZ			1.3	0.10
			eS	11 03 23.0	0.7		
DL2	24.8	259	+P	10 59 58.4	0.2		
TIA	29.3	259	+P	11 00 39.0	-0.1		
SSE	30.0	246	-P	11 00 46.5	0.7		
			eS	11 05 36.0	1.5		
			LE			20.0	0.29
HHC	30.5	271	-P	11 00 48.4	-1.2		
NJ2	30.8	250	+P	11 00 52.6	-0.1		
TIY	31.5	265	+P	11 00 59.0	0.2		
			PMZ			1.2	0.090
BTO	31.6	272	-P	11 00 58.5	-1.2		
WHN	34.7	253	-P	11 01 25.5	-0.5		
XAN	36.0	263	P	11 01 36.5	-0.4		
LZH	38.1	270	P	11 01 55.5	0.4		

			PMZ				
GTA	39.0	277	-iP	11 02 02.0	-0.1		
			ScP	11 07 47.4	1.0		
			S	11 07 59.4	8.3		
			ScS	11 11 59.1	2.5		
CD2	41.3	263	eP	11 02 21.7	0.3		
			eS	11 08 24.0	-3.2		
GYA	42.4	256	-P	11 02 30.4	0.2		
			pP	11 02 52.4	-3.6		
			S	11 08 42.0	0.1		
WMQ	44.5	290	+iP	11 02 47.6	0.2		
KMI	45.9	258	-P	11 02 58.5	0.3		
LSA	50.4	272	P	11 03 33.5	-0.5		
KSH	54.2	291	P	11 04 01.9	0.0		
			eS	11 11 30.9	1.9		

1986 2 19

O=11 40 26.3 ± 0.10s

LAT=19.14 N ± 1.74km

LONG=121.30 E ± 2.04km

DEPTH= 71 km ± 0.51km

STATIONS USED = 97, STAND DEV = 2.07s

$M_s=5.6/39, M_L=5.5/2, m_B=6.3/29$

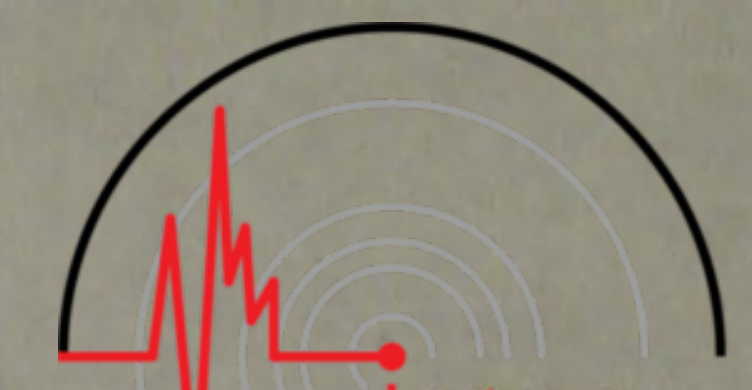
QZH	6.3	337	-iP	11 41 55.0	-3.6		
			iS	11 43 00.0	-9.9		
			PcS	11 52 25.0	1.6		
			LN	$M_s=5.0$	9.0	10.8	
			LE		11.0	12.9	
QZN	10.8	271	-iP	11 42 56.0	-4.8		
			sP	11 43 18.0	-3.6		
			LN	$M_s=5.6$	16.0	25.3	
			LE		21.0	37.4	
SSE	11.9	360	+P	11 43 13.8	-1.4		
			PMZ			1.0	0.16
			pP	11 43 23.0	-3.5		
			sP	11 43 36.0	-0.3		
			eS	11 45 25.0	-2.0		
			eLG <sub>1</sub>	11 46 42.0	1.8		
			LG <sub>2</sub>	11 47 05.0	5.9		
			LN	$M_s=5.1$	14.0	9.10	
WHN	13.0	332	-P	11 43 26.5	-3.1		
			PMZ			0.6	0.30
			eS	11 45 48.0	-4.8		
			SS	11 46 02.0	-7.1		
			LN	$M_s=5.6$	17.0	33.3	
NJ2	13.0	351	-P	11 43 28.9	-1.5		
			sP	11 43 52.0	0.3		
			S	11 45 55.0	1.2		
			LN	$M_s=5.5$	12.0	18.1	
GYA	15.3	301	-P	11 43 57.8	-2.3		

			PMZ	$m_B = 6.4$	5.0	8.10				csP	11 45 38.0	4.2			
			pP	11 44 10.0	-3.4					S	11 49 04.0	8.1			
			sP	11 44 21.0	-0.7					SMN	$m_B = 6.9$	6.0	15.0		
			S	11 46 48.0	0.4					SME		5.0	8.54		
			LG <sub>1</sub>	11 48 33.0	5.3					LN	$M_s = 5.5$	15.0	8.64		
			LN	$M_s = 5.7$	13.0	13.1	SNY	22.7	4	+P	11 45 22.0	-1.0			
			LE		13.0	18.0				PMZ	$m_B = 5.8$	6.0	2.87		
TIA	17.4	349	cP	11 44 27.1	1.1					PP	11 45 52.0	-2.2			
			PMZ	$m_B = 6.1$	6.0	6.09				S	11 49 18.0	-3.3			
			pP	11 44 39.0	-1.7					SMN	$m_B = 6.4$	11.0	7.59		
			S	11 47 43.0	8.2					SME		10.0	5.15		
			SMN	$m_B = 6.3$	8.0	2.34				LN	$M_s = 5.6$	27.0	10.5		
			SME		9.0	9.04				LE		24.0	13.8		
			LN	$M_s = 5.3$	14.0	5.03	LZH	22.8	321	-iP	11 45 27.5	3.0			
			LE		11.0	4.80				PMZ		2.5	3.00		
KMI	18.2	292	-iP	11 44 36.0	0.1					pP	11 45 44.0	3.7			
			PMZ	$m_B = 6.6$	5.0	14.7				S	11 49 30.0	6.3			
			pP	11 44 50.0	-0.5					SME	$m_B = 5.9$	5.0	1.38		
			PP	11 44 56.0	3.5					LN	$M_s = 5.6$	13.0	9.55		
			sP	11 44 59.5	1.4					HHC	23.2	341	-iP	11 45 30.0	2.1
			SME	$m_B = 6.2$	6.0	4.34				sP	11 45 55.5	2.7			
			LE	$M_s = 5.9$	14.0	29.0				S	11 49 39.5	9.6			
XAN	18.5	326	-iP	11 44 40.4	1.2					SMN	$m_B = 6.9$	10.0	25.5		
			PMZ	$m_B = 6.6$	5.0	14.7				SME		9.0	8.07		
			pP	11 44 53.0	-0.6					LN	$M_s = 6.0$	17.0	27.7		
			sP	11 45 02.0	0.2					LE		17.0	9.48		
			iS	11 48 07.0	7.2					BTO	23.5	338	-iP	11 45 33.0	2.4
			SMN	$m_B = 6.4$	11.0	9.00				pP	11 45 50.0	3.4			
			SME		10.0	7.78				PP	11 46 11.0	6.1			
			LN	$M_s = 5.7$	12.0	14.5				iS	11 49 45.0	9.1			
			LE		8.0	2.41				LN	$M_s = 5.7$	15.0	10.6		
DL2	19.7	1	P	11 44 52.0	-0.7					LE		15.0	6.80		
			pP	11 45 09.0	2.1					CN2	24.8	7	+P	11 45 43.0	-0.7
			sP	11 45 20.0	3.4					PMZ	$m_B = 5.7$	5.0	1.60		
			S	11 48 26.0	0.7					sP	11 46 09.0	0.3			
			SME		16.0	8.85				cS	11 50 01.0	2.2			
			LE	$M_s = 5.6$	14.0	11.4				SMN	$m_B = 6.0$	8.0	3.00		
CD2	19.7	310	-iP	11 44 54.0	1.1					MDJ	26.3	13	+P	11 45 57.5	-0.2
			PMZ		1.4	1.23				pP	11 46 13.5	-0.5			
			sP	11 45 18.0	1.3					iS	11 50 24.0	0.4			
			S	11 48 32.5	6.9					SME	$m_B = 5.8$	8.0	2.14		
			LE	$M_s = 5.7$	13.0	15.9	GTA	27.4	322	P	11 46 09.0	1.1			
TIY	20.1	339	-iP	11 44 58.5	1.9					S	11 50 43.0	2.4			
			PMZ		1.6	1.73				SMN	$m_B = 6.1$	10.5	3.65		
			pP	11 45 12.5	1.3					SME		10.5	4.98		
			S	11 48 42.5	9.9					LE	$M_s = 5.4$	14.0	4.60		
			SME	$m_B = 6.5$	11.0	14.7	LSA	29.3	297	-P	11 46 25.5	0.4			
			LN	$M_s = 5.5$	14.0	10.4				ipP	11 46 41.0	-0.2			
BJI	21.3	349	P	11 45 10.5	1.4					iS	11 51 16.0	3.5			
			cpP	11 45 24.0	-0.8					SME	$m_B = 6.0$	7.0	2.87		

			LN	Ms = 5.2	12.0	1.60				LG <sub>2</sub>	17 41 18.5	-0.6			
			LE		12.5	1.96				LN		Ms = 5.1	10.0	6.52	
WMQ	37.4	319	+iP	11 47 36.5	2.2				GYA	14.1	81	P	17 37 44.0	-1.6	
			PP	11 49 00.0	-2.3							S	17 40 26.0	4.0	
			SMN	m <sub>B</sub> = 6.3	8.0	2.21						LN	Ms = 4.8	12.0	2.80
			SME		8.0	4.33						LE		12.0	1.60
			SS	11 55 52.0	0.6				LZH	15.5	42	+iP	17 38 02.5	-1.0	
			LN	Ms = 6.0	14.0	6.12						PMZ		1.5	0.30
			LE		13.0	8.21						pP	17 38 06.0	-2.8	
KSH	43.9	307	-iP	11 48 32.9	5.0							sP	17 38 10.0	-2.6	
			SMN	m <sub>B</sub> = 6.8	8.0	8.10						cS	17 40 58.0	2.8	
			SME		8.0	8.10						LG <sub>1</sub>	17 42 34.0	4.2	
			LE	Ms = 6.1	13.0	9.60						LG <sub>2</sub>	17 42 58.0	3.7	
												LN	Ms = 5.3	12.0	5.91
												LE		10.0	5.29
1986 2 19															
O = 16 07 15.3 ± 0.14s															
LAT = 22.21 N ± 2.20km															
LONG = 143.53 E ± 3.33km															
DEPTH = 35 km ± 0.18km															
STATIONS USED = 41, STAND DEV = 2.18s															
SSE	21.8	299	P	16 12 07.5	1.0				XAN	17.8	56	+P	17 38 31.4	-2.2	
			PMZ			1.2	0.050					S	17 41 47.0	-2.2	
DL2	25.1	317	eP	16 12 39.0	0.8							LG <sub>2</sub>	17 44 03.0	-9.9	
SNY	25.7	324	+P	16 12 44.2	-0.5							LN	Ms = 5.3	8.0	3.81
CN2	26.2	329	eP	16 12 50.8	1.6							LE		10.0	1.47
TIA	26.8	307	eP	16 12 54.5	-0.3				QZN	18.4	106	+iP	17 38 41.0	0.5	
WHN	27.4	294	eP	16 13 00.0	0.3							PP	17 38 53.0	-2.2	
BJI	29.2	314	eP	16 13 17.0	0.7							S	17 42 02.0	0.1	
XAN	32.6	299	eP	16 13 44.6	-1.4							SS	17 42 26.0	0.4	
GYA	33.8	285	P	16 13 56.6	0.1							LN	Ms = 5.2	12.0	3.50
CD2	36.5	292	eP	16 14 19.0	-0.3							LE		13.0	2.80
LZH	37.1	301	eP	16 14 25.0	0.5				WMQ	18.8	352	P	17 38 45.5	-0.5	
			PMZ			1.5	0.020					sP	17 38 55.0	-0.1	
GTA	40.8	305	eP	16 14 55.4	-0.6							PP	17 39 04.5	3.1	
WMQ	50.5	309	eP	16 16 11.8	-0.9							S	17 42 17.7	6.0	
												SMN		2.5	0.33
1986 2 19															
O = 17 34 24.1 ± 0.10s															
LAT = 25.14 N ± 1.72km															
LONG = 91.09 E ± 1.33km															
DEPTH = 17 km ± 0.24km															
STATIONS USED = 77, STAND DEV = 1.85s															
Ms = 5.2 / 32, M <sub>L</sub> = 5.6 / 1, m <sub>B</sub> = 5.4 / 8															
LSA	4.5	1	iPn	17 35 36.5	3.5							sS	17 42 23.0	1.5	
			iSn	17 36 28.4	1.4							ScS	17 50 27.0	1.6	
KMI	10.6	88	eP	17 36 57.5	-0.7							LN	Ms = 5.4	12.0	3.92
			S	17 38 54.0	-2.5							LE		12.0	6.28
			LN	Ms = 5.1	8.0	6.54			KSH	19.1	322	eP	17 38 49.9	0.6	
CD2	12.6	60	eP	17 37 25.8	0.4							sP	17 38 58.9	0.5	
			S	17 39 41.0	-4.7							cS	17 42 22.9	4.1	
												LE	Ms = 5.5	12.0	8.50
									WHN	21.2	70	P	17 39 13.0	1.1	
												PMZ	m <sub>B</sub> = 5.2	6.0	0.63
												sP	17 39 20.0	-1.6	
												S	17 43 04.0	2.0	
												SMN	m <sub>B</sub> = 5.5	4.0	0.74
												sS	17 43 13.0	0.1	

				1986 2 19							
			PcP	17 43 18.0	1.6			O = 18 10 46.1	± 0.18s		
			LN	Ms = 5.2	13.0	1.78		LAT = 44.43 N	± 1.67km		
			LE		15.0	4.37		LONG = 111.19 E	± 1.29km		
TIY	22.0	50	+iP	17 39 19.5	-0.6			DEPTH = 16 km			
			PMZ		0.9	0.12		STATIONS USED = 10,	STAND DEV = 3.20s		
			sP	17 39 29.0	-0.7			M <sub>L</sub> = 4.1 / 6,			
			S	17 43 20.0	3.1			HHC	3.6 175 Pn	18 11 43.4	1.6
			sS	17 43 29.5	1.4				Pg	18 11 50.4	0.8
			LN	Ms = 5.2	10.0	1.22			Sg	18 12 32.6	-6.2
			LE		14.0	3.84			SMN	M <sub>L</sub> = 4.2	0.6 0.63
BTO	22.1	41	P	17 39 20.2	-0.2				SME		0.6 0.69
			pP	17 39 25.0	-1.7			BTO	3.9 193 -iPg	18 11 49.5	-6.2
			sP	17 39 29.5	-0.4				Sg	18 12 46.2	-3.1
			PP	17 39 46.5	0.9				SMN	M <sub>L</sub> = 3.7	0.4 0.15
			S	17 43 18.5	1.1				SME		0.4 0.21
			SMN	m <sub>B</sub> = 5.2	7.0	0.50		BJI	5.7 138 Pg	18 12 29.0	1.5
			SME		7.0	0.40			Sg	18 13 37.0	-9.0
			LN	Ms = 5.4	12.0	4.70			SMN	M <sub>L</sub> = 4.4	0.5 0.29
			LE		12.0	2.50			SME		0.5 0.31
HHC	23.2	42	P	17 39 33.4	2.3			GTA	9.8 243 cP	18 13 12.2	1.6
			S	17 43 41.0	4.0				LG <sub>1</sub>	18 16 01.2	5.7
			LN	Ms = 5.3	13.0	2.85			LN		1.0 0.020
			LE		10.0	2.50		XAN	10.5 190 cP	18 13 20.2	0.3
QZH	24.9	85	cP	17 39 44.0	-3.9			1986 2 20			
			cS	17 44 04.5	-3.3			O = 00 13 44.7	± 0.15s		
			sS	17 44 14.0	-4.5			LAT = 14.55 N	± 1.00km		
			LN	Ms = 5.4	6.0	2.11		LONG = 91.96 W	± 0.79km		
NJ2	25.3	68	cP	17 39 53.0	1.5			DEPTH = 121 km	± 1.87km		
			LE	Ms = 5.2	13.0	3.20		STATIONS USED = 14,	STAND DEV = 1.25s		
BJI	25.7	49	cP	17 39 55.0	-0.6			GTA	125.2 349 (PKP)	00 32 52.2	21.1
			eS	17 44 25.5	4.1			XAN	127.8 338 cPKP	00 32 39.4	2.2
			SMN	m <sub>B</sub> = 5.4	6.0	0.28		1986 2 20			
			SME		6.0	0.58		O = 04 09 04.1	± 0.10s		
			LN	Ms = 5.3	11.0	2.94		LAT = 52.93 N	± 3.28km		
SSE	27.2	71	cP	17 40 05.0	-3.8			LONG = 168.07 W	± 1.86km		
			pP	17 40 14.0	-1.3			DEPTH = 32 km	± 0.56km		
			S	17 44 48.0	3.9			STATIONS USED = 11,	STAND DEV = 2.23s		
			sS	17 44 56.0	0.1			CD2	64.9 289 cP	04 19 43.4	0.0
			LN	Ms = 4.9	14.0	1.40		GYA	66.6 283 P	04 19 54.0	0.1
DL2	29.2	54	cP	17 40 32.4	5.6			1986 2 20			
SNY	31.6	50	+P	17 40 47.8	-0.5			O = 04 15 22.8	± 0.19s		
			eS	17 45 56.0	0.9			LAT = 36.54 N	± 2.20km		
			LN	Ms = 5.0	16.0	1.53		LONG = 70.93 E	± 2.91km		
			LE		16.0	0.99		DEPTH = 231 km	± 2.90km		
CN2	33.6	48	cP	17 41 05.6	-0.2			STATIONS USED = 9,	STAND DEV = 3.51s		
			pP	17 41 11.0	-1.5			M <sub>L</sub> = 4.3 / 2,			
			cS	17 46 26.0	-0.6						
			LN	Ms = 5.5	17.0	4.50					
MDJ	36.7	48	cP	17 41 31.5	-0.6						





KSH	4.9	52	P	04 16 39.0	0.8		
			S	04 17 35.0	-1.3		
			SMN	$M_L = 4.4$	0.3	0.48	
			SME		0.2	0.39	
WMQ	14.7	55	P	04 18 40.5	-1.4		
GTA	22.9	74	P	04 20 08.5	0.4		

1986 2 20

O = 06 29 12.0 ± 0.09s  
 LAT = 2.33 N ± 1.14km  
 LONG = 126.90 E ± 1.58km  
 DEPTH = 43 km ± 0.39km  
 STATIONS USED = 65, STAND DEV = 1.19s  
 $M_s = 4.8 / 2,$

QZN	23.5	316	P	06 34 20.0	0.5		
			eS	06 38 31.0	4.1		
QZH	23.9	341	eP	06 34 23.0	0.4		
SSE	29.1	350	P	06 35 11.5	0.2		
			PMZ		1.0	0.030	
			LE	$M_s = 4.8$	6.0	0.47	
WHN	30.5	338	eP	06 35 23.0	-0.4		
			LE	$M_s = 4.8$	10.0	0.63	
NJ2	30.5	346	-P	06 35 24.8	1.0		
GYA	30.9	323	P	06 35 27.0	0.0		
KMI	32.5	316	+P	06 35 41.0	-0.4		
XAN	35.7	334	+iP	06 36 07.8	-1.3		
CD2	35.9	325	eP	06 36 09.6	-0.6		
DL2	36.7	353	eP	06 36 19.0	1.7		
BJI	38.8	347	eP	06 36 35.0	0.5		
SNY	39.4	356	eP	06 36 40.9	0.9		
LZH	39.8	330	P	06 36 43.5	0.4		
			PMZ		1.0	0.040	
HHC	40.8	342	+P	06 36 51.4	0.2		
BTO	41.0	340	eP	06 36 53.8	0.3		
CN2	41.3	358	eP	06 36 56.0	0.4		
MDJ	42.2	3	eP	06 37 06.7	4.1		
LSA	43.5	312	-P	06 37 12.2	-1.7		
			S	06 43 36.5	-1.1		
GTA	44.4	330	+iP	06 37 20.4	-0.3		
WMQ	54.0	326	P	06 38 34.0	-0.5		

1986 2 20

O = 08 16 23.5 ± 0.13s  
 LAT = 28.41 N ± 3.56km  
 LONG = 140.55 E ± 2.76km  
 DEPTH = 26 km ± 1.50km  
 STATIONS USED = 22, STAND DEV = 2.96s  
 $M_s = 4.1 / 3,$   $m_B = 5.3 / 6$

SSE	17.0	284	P	08 20 24.0	2.4		
			sS	08 23 46.0	6.2		

DL2	18.9	309	eP	08 20 46.5	1.9		
			eS	08 24 17.0	6.0		
NJ2	19.1	286	+P	08 20 47.5	0.4		
			PMZ	$m_B = 5.3$	6.0	1.00	
SNY	19.2	319	+P	08 20 50.0	1.2		
CN2	19.6	326	eP	08 20 50.0	-2.5		
BJI	23.2	306	eP	08 21 26.0	-3.3		
			eS	08 25 41.0	5.5		
			SMN	$m_B = 5.2$	7.0	0.55	
			SME		10.0	0.30	
TIY	25.3	299	eP	08 21 45.0	-4.4		
			LE	$M_s = 4.1$	9.0	0.17	
XAN	27.6	290	eP	08 22 08.2	-2.6		
CD2	32.0	284	eP	08 22 50.0	-0.2		
GTA	35.3	299	P	08 23 20.2	1.4		
WMQ	44.6	305	P	08 24 33.5	-2.7		

1986 2 20

O = 09 16 03.4 ± 0.37s  
 LAT = 21.22 S ± 2.93km  
 LONG = 70.54 W ± 5.09km  
 DEPTH = 33 km ± 2.92km  
 STATIONS USED = 56, STAND DEV = 2.03s  
 $m_B = 5.7 / 2$

KSH	146.1	50	PKP	09 35 42.9	2.4		
			PKP <sub>2</sub>	09 35 58.9			
WMQ	151.1	34	iPKP	09 35 49.0	0.6		
MDJ	151.3	329	ePKP	09 35 48.3	-0.4		
			PKP <sub>2</sub>	09 36 04.4			
			PP	09 39 36.0	-0.2		
			SKKS	09 46 16.0			
CN2	153.8	333	ePKP	09 35 56.6	4.3		
			ePP	09 39 57.0	6.5		
			eSS	09 59 30.0	8.4		
SNY	156.3	333	ePKP	09 35 56.0	0.6		
GTA	160.1	22	PKP	09 36 00.0	-0.3		
HHC	160.4	355	-PKP	09 36 01.2	0.6		
BJI	160.4	344	ePKP	09 36 01.0	0.5		
			PKP <sub>2</sub>	09 36 54.0			
			ePP	09 40 20.0	-5.5		
			eSS	10 00 24.0	-7.1		
BTO	160.7	359	ePKP	09 36 02.2	1.3		
LSA	161.5	59	ePKP	09 36 00.4	-1.6		
			ePP	09 40 41.5	9.8		
TIY	163.4	352	PKP	09 36 05.0	1.4		
			PP	09 40 40.0	-1.4		
			PPMZ	$m_B = 5.7$	8.0	0.57	
TIA	163.6	337	ePKP	09 36 04.1	0.4		
LZH	164.4	17	PKP	09 36 06.5	1.8		
SSE	165.6	315	PKP	09 36 04.0	-1.6		

			PKP <sub>2</sub>	09 37 06.0	
			PP	09 40 44.0	-9.4
			SKKS	09 47 30.0	
			SS	10 01 25.0	-0.3
NJ2	166.3	324	+PKP	09 36 07.3	1.1
XAN	167.2	2	ePKP	09 36 06.5	-0.4
			PKP <sub>2</sub>	09 37 11.0	
			ePP	09 40 54.5	-7.0
CD2	169.1	27	ePKP	09 36 09.9	1.9
			PP	09 41 08.0	-2.7
WHN	169.7	336	ePKP	09 36 09.5	1.2
			PP	09 41 12.8	-1.2
KMI	172.7	57	PKP	09 36 11.5	1.2
			PKP <sub>2</sub>	09 37 36.5	
			SKKS	09 46 08.0	
GYA	174.2	26	PKP	09 36 11.4	0.7
			PP	09 41 40.0	3.7
QZN	177.8	189	ePKP	09 36 12.0	0.6
			PKP <sub>2</sub>	09 37 57.5	
			PP	09 41 52.0	-1.3
			SKKS	09 48 39.0	

1986 2 20

O = 12 16 41.5 ± 0.20s  
 LAT = 22.01 S ± 2.52km  
 LONG = 179.43 W ± 2.16km  
 DEPTH = 605 km ± 1.02km  
 STATIONS USED = 74, STAND DEV = 0.96s

$m_B = 5.4 / 5$

QZH	76.1	304	+iP	12 27 30.5	0.0
SSE	77.6	311	-P	12 27 37.0	-1.6
			PMZ		1.0 0.090
			epP	12 29 40.0	-3.9
			PP	12 30 36.0	-9.8
			eS	12 36 40.0	-3.3
			eSKS	12 36 50.0	-0.8
			sS	12 40 18.0	-4.5
GZH	79.3	300	+iP	12 27 48.5	1.1
NJ2	79.8	311	+P	12 27 50.4	0.3
			PMZ	$m_B = 5.4$	4.0 0.60
			S	12 37 06.0	1.9
QZN	80.3	295	P	12 27 53.2	0.8
			eS	12 37 13.0	2.8
MDJ	81.0	326	-iP	12 27 56.0	-0.2
			PMZ	$m_B = 5.5$	4.0 0.77
			SKS	12 37 16.5	2.1
			S	12 37 22.0	6.2
DL2	81.9	318	eP	12 28 01.6	0.7
			PcP	12 28 06.4	2.0
			eS	12 37 20.0	-6.5

WHN	82.3	307	P	12 28 02.5	-0.1
			pP	12 30 10.0	0.4
			SME	$m_B = 5.4$	10.0 0.83
			LE		9.0 0.40
SNY	82.5	321	+P	12 28 03.5	-0.3
CN2	82.7	323	-iP	12 28 03.9	-0.8
			PMZ		3.0 0.90
			pP	12 30 11.0	-0.8
			sP	12 31 08.0	-3.1
			eS	12 37 30.0	-4.1
			eSS	12 43 12.0	-5.3
BJI	86.0	316	eP	12 28 20.5	-0.5
			epP	12 30 26.0	-3.3
			eSKS	12 37 46.0	-2.2
			eS	12 38 05.0	-0.7
			SMN	$m_B = 5.1$	9.0 0.22
GYA	86.2	300	+P	12 28 22.8	0.6
			PMZ		1.4 0.12
			pP	12 30 31.6	1.3
			sP	12 31 29.0	-0.3
			SKS	12 37 53.0	3.4
			S	12 38 12.0	6.0
TIY	87.3	313	+iP	12 28 27.6	0.5
			PMZ		1.0 0.16
XAN	88.0	308	-iP	12 28 30.6	0.3
			PMZ		1.0 0.14
			SKS	12 37 58.0	-2.5
			S	12 38 28.0	6.0
			SME	$m_B = 5.5$	10.0 0.63
KMI	88.9	298	-P	12 28 37.0	2.4
HHC	89.5	315	-iP	12 28 37.0	-0.2
			pP	12 30 43.0	-3.4
BTO	90.4	314	eP	12 28 42.0	0.6
			eSKS	12 38 14.0	-0.5
			S	12 38 42.0	-1.0
CD2	90.5	303	P	12 28 43.0	1.1
			eS	12 38 42.0	-3.9
LZH	92.6	308	P	12 28 52.5	0.7
			PMZ		1.0 0.10
GTA	96.9	310	P	12 29 10.4	-0.6
LSA	100.1	298	eP	12 29 26.0	0.1

1986 2 20

O = 16 06 33.9 ± 0.12s  
 LAT = 23.52 S ± 1.02km  
 LONG = 179.55 W ± 1.57km  
 DEPTH = 540 km ± 0.73km  
 STATIONS USED = 54, STAND DEV = 0.83s

NJ2	80.7	311	+P	16 17 52.8	0.1
MDJ	82.2	326	-P	16 18 00.0	-0.1

DL2	83.0	318	eP	16 18 04.8	0.8
WHN	83.1	307	-P	16 18 05.0	0.3
SNY	83.6	321	-P	16 18 06.8	-0.4
CN2	83.8	323	-iP	16 18 07.8	-0.5
TIA	84.3	313	-P	16 18 10.8	0.3
GYA	86.9	300	P	16 18 23.6	0.3
BJI	87.0	316	eP	16 18 23.5	-0.2
TIY	88.2	313	-iP	16 18 30.1	0.6
			PMZ		0.8 0.060
XAN	88.8	308	-iP	16 18 32.7	0.5
KMI	89.4	298	-P	16 18 36.0	0.7
HHC	90.4	315	eP	16 18 39.8	0.1
CD2	91.2	303	eP	16 18 44.2	1.0
BTO	91.3	314	eP	16 18 44.3	0.5
GTA	97.8	310	P	16 19 12.9	-0.3

## 1986 2 20

O = 18 17 07.5 ± 0.13s  
 LAT = 24.60 N ± 2.68km  
 LONG = 122.57 E ± 0.73km  
 DEPTH = 81 km ± 3.13km  
 STATIONS USED = 9, STAND DEV = 3.68s  
 Ms = 4.2 / 1,

QZH	3.6	276	eP	18 18 08.5	5.6
CD2	17.8	295	eP	18 21 10.8	-0.6
BTO	19.1	330	eP	18 21 28.6	1.8
GTA	24.2	313	eP	18 22 21.3	3.3
			LN	Ms = 4.2	10.5 0.28

## 1986 2 21

O = 00 14 16.5 ± 0.05s  
 LAT = 56.18 N ± 1.24km  
 LONG = 155.19 W ± 0.75km  
 DEPTH = 32 km ± 0.32km  
 STATIONS USED = 37, STAND DEV = 0.91s  
 Ms = 4.9 / 2,

CN2	49.7	291	+P	00 23 07.0	-1.1
			eS	00 30 08.0	-6.1
SNY	52.1	291	-P	00 23 26.5	0.5
			eS	00 30 49.0	2.2
			LN	Ms = 4.9	24.0 0.52
			LE		24.0 0.64
BJI	57.2	294	eP	00 24 03.0	-0.6
HHC	58.9	298	P	00 24 16.0	0.3
BTO	59.9	299	eP	00 24 21.6	-0.7
NJ2	61.9	286	eP	00 24 36.0	0.3
XAN	65.5	295	eP	00 24 59.4	-0.3
GTA	65.7	305	P	00 25 00.0	-0.6
WMQ	67.2	316	P	00 25 11.0	0.7
CD2	70.6	297	eP	00 25 32.6	1.1

GYA	72.8	292	P	00 25 45.4	1.1
LSA	77.7	305	eP	00 26 10.2	-2.7

## 1986 2 21

O = 01 57 24.6 ± 0.07s  
 LAT = 41.55 N ± 0.99km  
 LONG = 122.21 E ± 0.58km  
 DEPTH = 9 km ± 0.08km  
 STATIONS USED = 11, STAND DEV = 4.12s

M<sub>L</sub> = 3.2 / 10,

SNY	1.1	75	+Pg	01 57 42.7	-0.7
			Sg	01 57 56.6	-1.3
			SMN	M <sub>L</sub> = 3.2	0.3 0.68
			SME		0.3 0.25
DL2	2.7	190	+Pg	01 58 12.3	0.2
			eSg	01 58 45.9	-2.8
			SMN	M <sub>L</sub> = 3.1	0.6 0.060
			SME		0.7 0.11
CN2	3.3	46	ePn	01 58 15.2	-1.3
			P*	01 58 19.5	-0.5
			Pg	01 58 24.7	2.2
			eSn	01 58 55.3	-2.2
			S*	01 59 00.6	-1.1
			Sg	01 59 06.2	-1.1
			SMN	M <sub>L</sub> = 3.3	0.6 0.080
			SME		0.6 0.10
BJI	4.8	254	ePg	01 58 51.0	1.1
			eSg	01 59 56.0	0.2
			SMN	M <sub>L</sub> = 3.9	0.5 0.18
			SME		0.5 0.16

## 1986 2 21

O = 03 08 16.2 ± 0.08s  
 LAT = 41.83 N ± 1.93km  
 LONG = 142.56 E ± 1.28km  
 DEPTH = 62 km ± 0.90km  
 STATIONS USED = 74, STAND DEV = 1.55s  
 Ms = 4.8 / 25, m<sub>B</sub> = 5.4 / 7

CN2	12.7	285	+P	03 11 16.5	0.1
			PMZ	m <sub>B</sub> = 6.0	4.0 1.00
			(S)	03 13 37.0	0.9
SNY	14.2	276	+P	03 11 34.5	-0.7
			PMZ	m <sub>B</sub> = 5.8	5.0 0.82
			sP	03 11 56.0	2.5
			eS	03 14 14.0	3.7
			LE	Ms = 4.6	21.0 3.35
DL2	16.2	267	eP	03 12 03.3	1.7
			sP	03 12 23.0	2.8
			LN	Ms = 4.4	11.0 0.78
BJI	20.0	274	eP	03 12 44.0	-2.5



CN2	67.3	51	+P	05 50 51.0	-1.6		
			eS	05 59 40.0	-6.0		
1986 2 21							
O	=08 00 35.0			$\pm 0.18s$			
LAT	=28.16 N			$\pm 3.40km$			
LONG	=140.76 E			$\pm 2.85km$			
DEPTH	=35 km			$\pm 0.78km$			
STATIONS USED = 27, STAND DEV = 2.94s							
Ms=4.3 / 7,				m <sub>B</sub> =5.4 / 11			
SSE	17.3	284	P	08 04 33.0	-2.3		
			PMZ			m <sub>B</sub> =5.4	5.0 0.92
			LN			Ms=4.2	9.0 0.43
MDJ	18.7	334	P	08 04 48.0	-4.9		
DL2	19.2	309	eP	08 04 59.0	0.3		
NJ2	19.3	287	+P	08 05 01.5	1.1		
			PMZ			m <sub>B</sub> =5.6	5.0 1.40
SNY	19.5	319	eP	08 04 57.0	-5.7		
			pP	08 05 07.0	-4.1		
			eS	08 08 44.0	7.8		
			LE			Ms=4.4	12.0 0.66
TIA	21.5	298	eP	08 05 22.2	-1.1		
			PMZ			m <sub>B</sub> =5.1	4.0 0.37
			eS	08 09 20.0	4.9		
			SME			m <sub>B</sub> =5.5	5.0 0.74
			LE			Ms=4.3	9.0 0.36
WHN	23.1	282	eP	08 05 39.5	0.2		
			PMZ			m <sub>B</sub> =5.6	5.0 1.27
			PP	08 06 16.0	6.5		
			S	08 09 46.0	2.4		
			SMN			m <sub>B</sub> =5.4	6.0 0.72
			LN			Ms=4.6	10.0 0.63
BJI	23.5	307	eP	08 05 42.0	-0.6		
			eS	08 09 53.0	2.6		
			SMN			m <sub>B</sub> =5.3	6.0 0.56
			SME				9.0 0.41
TIY	25.5	299	eP	08 06 01.8	-0.7		
			S	08 10 31.0	6.5		
			LE			Ms=4.4	13.0 0.47
HHC	27.0	306	eP	08 06 13.2	-3.5		
XAN	27.8	290	eP	08 06 23.0	-0.6		
BTO	28.1	304	eP	08 06 26.8	0.6		
CD2	32.2	284	eP	08 07 01.0	-1.7		
WMQ	44.9	305	P	08 08 49.7	0.8		

1986 2 21

O = 10 49 42.1  $\pm 0.10s$   
 LAT = 27.95 S  $\pm 2.22km$   
 LONG = 64.29 E  $\pm 2.60km$   
 DEPTH = 10 km  $\pm 0.06km$

STATIONS USED = 19, STAND DEV = 1.38s							
LSA	62.8	26	eP	11 00 08.0	-3.5		
CD2	69.6	36	eP	11 00 54.4	0.0		
WMQ	74.6	17	P	11 01 24.0	-0.1		
XAN	74.8	37	+P	11 01 25.0	-0.1		
GTA	74.8	28	P	11 01 25.1	-0.1		
HHC	81.3	34	eP	11 02 01.5	0.3		
BJI	83.1	37	(P)	11 02 12.0	1.6		
CN2	90.7	39	eP	11 02 47.0	-0.6		

1986 2 21

O = 11 22 38.0  $\pm 0.06s$   
 LAT = 11.12 S  $\pm 0.76km$   
 LONG = 166.48 E  $\pm 1.17km$   
 DEPTH = 36 km  $\pm 0.25km$

STATIONS USED = 16, STAND DEV = 1.00s

CN2	66.2	329	+P	11 33 24.0	-0.8		
BJI	69.0	321	eP	11 33 42.0	-0.4		
XAN	70.7	312	eP	11 33 52.2	-0.8		
CD2	73.2	307	eP	11 34 08.4	0.4		
GTA	79.6	314	P	11 34 44.0	-0.3		
WMQ	89.7	315	P	11 35 33.5	-1.0		

1986 2 21

O = 12 14 37.2  $\pm 0.12s$   
 LAT = 5.89 N  $\pm 1.95km$   
 LONG = 126.77 E  $\pm 3.02km$   
 DEPTH = 32 km  $\pm 0.25km$

STATIONS USED = 36, STAND DEV = 1.74s

NJ2	27.1	345	eP	12 20 22.0	2.9		
WHN	27.2	336	P	12 20 21.0	1.0		
XAN	32.5	332	+P	12 21 07.0	-0.9		
			pP	12 21 14.0	-2.8		
CD2	33.0	322	eP	12 21 11.8	0.2		
BJI	35.3	346	eP	12 21 32.0	0.3		
SNY	35.9	356	eP	12 21 37.2	0.5		
LZH	36.7	328	+iP	12 21 44.5	0.9		
			PMZ			1.5	0.090
HHC	37.4	341	eP	12 21 49.0	-0.3		
BTO	37.7	339	eP	12 21 52.4	0.5		
CN2	37.8	358	eP	12 21 51.0	-1.6		
MDJ	38.7	3	-P	12 22 00.4	0.6		
GTA	41.3	328	+iP	12 22 22.1	0.2		
WMQ	51.0	324	P	12 23 38.0	-0.7		

1986 2 21

O = 13 10 20.5  $\pm 0.06s$   
 LAT = 4.57 S  $\pm 0.72km$   
 LONG = 143.71 E  $\pm 1.25km$   
 DEPTH = 102 km  $\pm 0.23km$

February, 1986

**STATIONS USED = 23, STAND DEV = 1.05s**

GYA	47.3	313	P	13 18 49.0	2.8
XAN	50.5	322	+P	13 19 11.2	0.2
CN2	50.9	343	eP	13 19 12.6	-1.1
BJI	51.1	333	eP	13 19 15.0	-0.3
CD2	51.9	316	eP	13 19 22.8	1.0
GTA	59.6	321	P	13 20 16.8	0.3
WMQ	69.6	320	P	13 21 21.4	0.0

1986 2 21

O = 17 24 43.8 ± 0.08s  
 LAT = 36.41 N ± 1.44km  
 LONG = 26.58 E ± 1.23km  
 DEPTH = 147 km ± 0.26km

**STATIONS USED = 25, STAND DEV = 1.42s**

WMQ	46.4	61	P	17 32 59.0	1.4
LSA	53.7	77	eP	17 33 53.0	-0.2
GTA	56.4	63	P	17 34 12.7	0.2
CD2	62.9	70	eP	17 34 58.0	1.0
XAN	65.3	65	eP	17 35 12.2	-0.3
GYA	67.3	73	P	17 35 25.2	-0.1

1986 2 21

O = 18 43 03.3 ± 0.12s  
 LAT = 12.61 S ± 1.50km  
 LONG = 157.43 E ± 2.14km  
 DEPTH = 33 km ± 0.38km

**STATIONS USED = 18, STAND DEV = 2.13s**

CN2	67.9	328	-P	18 54 02.6	1.1
BJI	70.7	321	(P)	18 54 24.0	5.3
TIY	71.8	317	eP	18 54 24.4	-0.9
KMI	73.3	301	(P)	18 54 32.0	-2.5
CD2	74.9	307	eP	18 54 42.4	-0.8
BTO	74.9	318	eP	18 54 42.8	-0.9
GTA	81.3	314	P	18 55 17.8	-1.2
LSA	84.6	302	eP	18 55 35.4	-0.5

1986 2 21

O = 18 49 48.7 ± 0.02s  
 LAT = 0.82 N ± 0.99km  
 LONG = 95.70 E ± 0.37km  
 DEPTH = 36 km ± 0.51km

**STATIONS USED = 9, STAND DEV = 0.68s**

XAN	35.3	19	cP	18 56 41.7	-0.9
			pP	18 56 49.7	-2.7
GTA	38.6	5	P	18 57 10.5	0.0
CN2	50.3	28	eP	18 58 44.0	-0.5

1986 2 22

O = 06 08 17.9 ± 0.06s

LAT = 27.65 N ± 2.14km  
 LONG = 142.08 E ± 2.52km  
 DEPTH = 73 km ± 3.16km

**STATIONS USED = 16, STAND DEV = 1.17s**  
 M<sub>s</sub> = 4.3 / 5, m<sub>b</sub> = 5.3 / 6

SSE	18.5	286	e(P)	06 12 31.0	0.0
			LN	M <sub>s</sub> = 4.1	9.0 0.26
DL2	20.4	309	eP	06 12 53.0	1.5
			eS	06 16 27.0	-4.4
NJ2	20.6	288	+P	06 12 53.0	-0.6
			PMZ	m <sub>b</sub> = 5.3	5.0 0.73
			S	06 16 34.0	-0.4
			SMN	m <sub>b</sub> = 5.4	6.0 0.70
			LN	M <sub>s</sub> = 4.6	16.0 1.20
TIA	22.8	298	eP	06 13 14.4	-0.9
			eS	06 17 10.0	-5.0
			LE	M <sub>s</sub> = 4.3	10.0 0.38
WHN	24.4	283	eP	06 13 32.0	1.3
			S	06 17 46.0	4.3
			SMN	m <sub>b</sub> = 5.6	5.0 0.73
			LN	M <sub>s</sub> = 4.4	11.0 0.40
BJI	24.7	307	eP	06 13 33.0	-0.9
			eS	06 17 49.0	0.9
			SMN	m <sub>b</sub> = 5.3	9.0 0.62
TIY	26.8	300	eP	06 13 54.0	0.5
XAN	29.1	291	eP	06 14 12.5	-1.6
CD2	33.5	285	eP	06 14 52.4	-0.2

1986 2 22

O = 08 28 07.4 ± 0.09s  
 LAT = 2.87 S ± 1.22km  
 LONG = 141.61 E ± 1.32km  
 DEPTH = 41 km ± 0.67km

**STATIONS USED = 33, STAND DEV = 1.32s**

WHN	42.2	324	eP	08 35 56.5	-1.9
XAN	47.9	323	eP	08 36 44.0	-0.1
BJI	48.7	334	eP	08 36 49.0	-0.8
CN2	48.7	344	eP	08 36 49.4	-0.6
CD2	49.3	316	eP	08 36 54.9	0.2
LZH	52.4	321	eP	08 37 20.0	1.6
GTA	57.0	322	P	08 37 51.9	0.2
WMQ	67.0	321	+iP	08 38 59.0	0.4
			PcS	08 43 35.5	6.4

1986 2 22

O = 16 30 23.4 ± 0.18s  
 LAT = 43.77 N ± 2.17km  
 LONG = 147.81 E ± 0.92km  
 DEPTH = 62 km ± 2.59km

**STATIONS USED = 20, STAND DEV = 1.36s**

BJI	23.8	272	eP	16 35 31.0	-0.2
TIY	27.3	269	e(P)	16 36 07.0	2.0
XAN	31.5	265	eP	16 36 41.0	-1.4
GTA	35.8	280	eP	16 37 19.2	0.3
CD2	36.9	265	eP	16 37 28.4	0.1
WMQ	42.5	292	P	16 38 15.5	0.4

1986 2 22

O = 17 07 21.3 ± 0.06s

LAT = 30.74 N ± 2.15km

LONG = 141.26 E ± 1.59km

DEPTH = 31 km ± 0.72km

STATIONS USED = 15, STAND DEV = 1.50s

MDJ	16.6	330	eP	17 11 14.5	0.7
CN2	18.1	321	P	17 11 33.0	0.9
TIY	24.8	294	eP	17 12 43.0	1.0
BTO	27.1	300	eP	17 13 04.2	0.4
XAN	27.4	285	eP	17 13 06.5	-0.4
GTA	34.8	296	P	17 14 08.0	-3.4

1986 2 22

O = 17 40 17.1 ± 0.06s

LAT = 21.98 S ± 0.84km

LONG = 179.48 W ± 0.12km

DEPTH = 603 km ± 0.84km

STATIONS USED = 17, STAND DEV = 0.88s

MDJ	80.9	326	eP	17 51 32.0	0.4
CN2	82.6	323	-P	17 51 39.6	-0.6
XAN	87.9	308	-P	17 52 06.0	0.2
CD2	90.4	303	eP	17 52 18.5	1.1

1986 2 22

O = 17 51 43.2 ± 0.13s

LAT = 29.31 S ± 2.78km

LONG = 176.51 W ± 2.86km

DEPTH = 45 km ± 1.24km

STATIONS USED = 24, STAND DEV = 2.34s

NJ2	86.5	310	eP	18 04 23.0	-0.4
MDJ	88.5	325	eP	18 04 32.0	-0.8
			pP	18 04 41.5	-3.6
WHN	88.7	306	eP	18 04 33.0	-1.1
SNY	89.8	320	eP	18 04 37.6	-1.4
CN2	90.1	322	+P	18 04 38.6	-1.8
TIA	90.2	312	eP	18 04 40.7	-0.2
GYA	92.1	299	P	18 04 51.0	0.9
TIY	94.1	311	e(P)	18 04 58.8	-0.3
XAN	94.5	307	eP	18 05 00.4	-0.4

1986 2 22

O = 21 11 35.4 ± 0.08s

LAT = 36.88 N	± 1.84km
LONG = 21.98 E	± 2.15km
DEPTH = 68 km	± 0.77km
STATIONS USED = 14,	STAND DEV = 1.02s

GTA	59.4	62	P	21 21 33.6	-0.4
CD2	66.2	68	eP	21 22 19.2	0.5
XAN	68.4	63	eP	21 22 32.0	-0.5
CN2	73.9	47	-P	21 23 06.0	0.2

1986 2 22

O = 22 44 58.7 ± 0.07s

LAT = 13.82 N ± 2.36km

LONG = 120.92 E ± 1.70km

DEPTH = 252 km ± 1.59km

STATIONS USED = 24, STAND DEV = 2.49s

QZN	11.8	297	eP	22 47 38.2	-3.1
GYA	18.3	315	P	22 49 00.6	3.4
XAN	22.9	334	P	22 49 41.2	-0.8
CD2	23.2	320	eP	22 49 44.8	-0.2
LZH	27.0	328	eP	22 50 19.0	-0.6

PMZ

1.5 0.090

GTA	31.5	328	P	22 50 59.6	-0.6
-----	------	-----	---	------------	------

1986 2 23

O = 01 20 06.9 ± 0.05s

LAT = 36.29 N ± 0.86km

LONG = 71.22 E ± 0.66km

DEPTH = 145 km ± 0.35km

STATIONS USED = 19, STAND DEV = 1.22s

 $M_L = 4.6 / 1,$ 

KSH	4.9	49	eP	01 21 22.8	2.4
			eS	01 22 19.8	3.0
			LE		3.0 0.95
WMQ	14.7	54	eP	01 23 28.0	-0.8
LSA	17.9	106	eP	01 24 09.5	0.3
GTA	22.8	73	eP	01 24 59.0	1.2

1986 2 23

O = 02 35 58.9 ± 0.37s

LAT = 9.73 N ± 3.25km

LONG = 93.99 E ± 1.82km

DEPTH = 36 km ± 4.23km

STATIONS USED = 11, STAND DEV = 2.18s

GYA	20.5	34	P	02 40 36.8	-0.2
CD2	23.0	22	eP	02 40 58.6	-2.8
XAN	27.8	27	eP	02 41 44.6	-2.6
WMQ	34.4	352	eP	02 42 45.9	0.6

1986 2 23

O = 03 51 29.5 ± 0.07s

February, 1986



LAT = 39.47 N ± 0.61km  
 LONG = 117.95 E ± 0.60km  
 DEPTH = 4 km ± 0.22km  
 STATIONS USED = 7, STAND DEV = 2.30s  
 M<sub>L</sub> = 2.8 / 7,

BJI	1.5	293	cPg	03 51 54.0	-1.8		
			cSg	03 52 13.5	-2.6		
			SMN	M <sub>L</sub> = 3.1	0.5	0.29	
			SME		0.5	0.25	
TIA	3.3	192	cPn	03 52 23.2	0.7		
			Sg	03 53 06.2	-7.2		
			SMN	M <sub>L</sub> = 2.2	0.3	0.0080	
			SME		0.3	0.0060	

1986 2 23  
 O = 06 16 22.7 ± 0.06s  
 LAT = 5.87 S ± 0.87km  
 LONG = 146.77 E ± 1.08km  
 DEPTH = 115 km ± 0.21km  
 STATIONS USED = 35, STAND DEV = 1.12s

QZN	44.0	305	cP	06 24 21.3	0.6		
CN2	53.1	341	cP	06 25 30.0	-0.8		
XAN	53.4	321	P	06 25 33.0	-0.6		
			pP	06 26 01.0	0.6		
BJI	53.7	331	cP	06 25 34.5	-0.7		
CD2	55.0	314	cP	06 25 45.1	0.0		
GTA	62.5	320	P	06 26 36.8	-0.2		
			pP	06 27 07.6	3.1		
WMQ	72.5	319	cP	06 27 40.0	0.2		

1986 2 23  
 O = 08 40 57.8 ± 0.12s  
 LAT = 28.52 N ± 2.73km  
 LONG = 140.86 E ± 2.75km  
 DEPTH = 25 km ± 1.08km  
 STATIONS USED = 38, STAND DEV = 2.19s  
 M<sub>s</sub> = 4.5 / 15, m<sub>B</sub> = 5.4 / 15

SSE	17.3	283	+P	08 44 59.0	0.0		
			PMZ	m <sub>B</sub> = 5.1	8.0	0.78	
			sP	08 45 12.0	2.2		
			sS	08 48 20.0	0.6		
			LN	M <sub>s</sub> = 4.3	8.0	0.42	
DL2	19.0	308	cP	08 45 20.5	-0.3		
			eS	08 48 46.0	-2.6		
			LN	M <sub>s</sub> = 4.4	11.0	0.60	
NJ2	19.3	286	-P	08 45 23.0	-1.1		
			PMZ	m <sub>B</sub> = 5.4	5.0	1.00	
			LN	M <sub>s</sub> = 4.7	9.0	0.96	
SNY	19.3	318	cP	08 45 23.0	-1.3		
			SS	08 49 12.0	-9.3		

			LE	M <sub>s</sub> = 4.5	10.0	0.76	
CN2	19.6	325	cP	08 45 23.0	-4.6		
			PMZ	m <sub>B</sub> = 5.1	4.0	0.40	
			LN	M <sub>s</sub> = 4.5	10.0	0.70	
QZH	20.2	265	+P	08 45 34.0	0.2		
			PMZ	m <sub>B</sub> = 5.5	4.5	1.08	
			S	08 49 15.5	1.7		
			SMN	m <sub>B</sub> = 5.3	6.0	0.34	
			SME		6.0	0.58	
			sS	08 49 28.0	2.8		
TIA	21.4	297	cP	08 45 44.3	-2.1		
			eS	08 49 33.0	-5.2		
			LE	M <sub>s</sub> = 4.2	11.0	0.33	
WHN	23.1	281	cP	08 46 05.0	1.6		
			PMZ	m <sub>B</sub> = 5.6	5.0	1.42	
			LN	M <sub>s</sub> = 4.6	12.0	0.66	
			LE		11.0	0.45	
BJI	23.3	306	cP	08 46 06.0	0.8		
			eS	08 50 21.0	8.3		
			SMN	m <sub>B</sub> = 5.3	7.0	0.55	
			SME		8.0	0.40	
GZH	25.3	264	cP	08 46 26.0	1.5		
			PMZ	m <sub>B</sub> = 5.4	5.0	0.53	
TIY	25.4	298	cP	08 46 24.4	-1.2		
			PMZ	m <sub>B</sub> = 5.8	5.0	1.26	
			S	08 50 54.5	6.7		
			LE	M <sub>s</sub> = 4.2	9.0	0.22	
HHC	26.9	305	P	08 46 36.0	-3.4		
			eS	08 51 04.5	-8.7		
			LN	M <sub>s</sub> = 4.5	10.0	0.38	
XAN	27.8	289	P	08 46 46.0	-1.2		
			PMZ	m <sub>B</sub> = 5.4	5.0	0.40	
			eS	08 51 31.0	4.0		
			SME	m <sub>B</sub> = 5.0	8.0	0.32	
			LE	M <sub>s</sub> = 4.0	12.0	0.15	
BTO	28.0	304	cP	08 46 48.0	-1.0		
QZN	29.8	258	cP	08 47 10.0	4.4		
			S	08 52 05.5	6.4		
GYA	30.3	274	P	08 47 12.0	1.7		
CD2	32.2	283	cP	08 47 31.0	4.3		
GTA	35.5	299	cP	08 47 52.6	-2.2		
WMQ	44.8	305	cP	08 49 11.3	-0.6		

1986 2 23  
 O = 18 28 52.5 ± 0.12s  
 LAT = 14.40 S ± 1.50km  
 LONG = 166.69 E ± 1.85km  
 DEPTH = 34 km ± 0.32km  
 STATIONS USED = 73, STAND DEV = 1.29s  
 M<sub>s</sub> = 5.0 / 3, m<sub>B</sub> = 5.6 / 2



SSE	62.9	317	+P	18 39 17.8	-0.4		
			PMZ			1.2	0.040
			epP	18 39 28.0	0.0		
			ePP	18 41 37.0	-0.4		
			eS	18 47 45.0	0.7		
			esS	18 48 01.0	0.6		
			eSS	18 51 52.0	1.4		
			LN	Ms=5.0		20.0	0.60
QZN	65.1	299	eP	18 39 33.3	0.8		
			eS	18 48 12.0	0.5		
WHN	67.3	312	P	18 39 46.0	-0.6		
DL2	67.7	323	-P	18 39 44.2	-4.9		
MDJ	67.7	332	+P	18 39 49.0	-0.3		
			S	18 48 48.0	5.8		
SNY	68.6	327	eP	18 39 54.0	-0.9		
TIA	68.7	319	eP	18 39 54.8	-0.7		
CN2	69.1	329	+iP	18 39 57.0	-0.7		
			PMZ			3.0	0.30
			eS	18 48 54.0	-5.6		
GYA	71.1	305	+P	18 40 10.6	0.6		
BJI	71.7	321	eP	18 40 13.5	0.2		
			eS	18 49 32.0	2.2		
TIY	72.6	318	+iP	18 40 20.0	0.7		
			PMZ			1.2	0.090
			eS	18 49 41.0	-0.3		
XAN	73.1	313	+iP	18 40 21.8	0.0		
KMI	73.7	302	+iP	18 40 26.5	1.1		
			PMZ	m <sub>B</sub> =5.7		4.0	0.40
			sP	18 40 39.0	0.1		
			eS	18 49 59.0	6.0		
HHC	75.0	320	+P	18 40 33.0	0.0		
CD2	75.4	308	+iP	18 40 35.6	0.5		
			PMZ			1.2	0.070
			S	18 50 12.0	1.8		
BTO	75.8	319	eP	18 40 38.0	0.3		
LZH	77.7	312	+iP	18 40 50.0	1.6		
			PMZ			2.0	0.20
GTA	82.0	314	+iP	18 41 11.9	0.2		
			S	18 51 26.0	5.0		
			SME	m <sub>B</sub> =5.6		7.0	0.31
LSA	84.9	302	+P	18 41 26.5	-0.1		
WMQ	92.1	315	eP	18 42 00.4	-0.2		
			PP	18 45 39.0	-3.1		
			eSKS	18 52 34.0	6.0		

STATIONS USED = 14,		STAND DEV = 3.68s	
WMQ	153.4 37	PKP	22 52 40.8 6.6
GTA	162.7 26	ePKP	22 52 44.2 -1.2
CD2	171.5 36	(PKP)	22 52 50.8 -1.1
1986 2 24			
O	= 00 19 41.6	±	0.13s
LAT	= 16.76 S	±	1.53km
LONG	= 174.32 E	±	1.58km
DEPTH	= 12 km	±	0.36km
STATIONS USED = 69,		STAND DEV = 1.09s	
Ms = 5.5 / 22,		m <sub>B</sub> = 5.8 / 13	
QZH	68.3 306	-iP	00 30 45.0 -0.4
		PMZ	m <sub>B</sub> =6.0 6.0 1.17
		PP	00 33 16.0 -1.3
		S	00 39 37.0 -6.7
		LE	Ms=5.5 19.0 1.67
SSE	69.8 313	P	00 30 53.0 -1.3
		PMZ	m <sub>B</sub> =5.8 8.0 0.85
		S	00 40 01.0 0.0
		LE	Ms=5.4 16.0 1.09
GZH	71.6 302	eP	00 31 05.0 -0.2
		PMZ	m <sub>B</sub> =6.0 6.5 1.10
		eS	00 40 27.0 3.8
QZN	72.7 297	+P	00 31 15.0 3.1
		PP	00 33 54.0 -0.8
		eS	00 40 39.0 2.8
		sS	00 40 44.5 -1.5
		LE	Ms=5.5 17.0 1.34
MDJ	73.4 328	P	00 31 15.6 -0.6
		pP	00 31 18.0 -4.1
		S	00 40 39.0 -3.9
DL2	74.1 320	eP	00 31 20.0 -0.2
		PP	00 34 03.0 -3.4
		eS	00 40 50.0 -2.2
		SKS	00 41 20.0 -1.6
		LN	Ms=5.3 14.0 0.72
WHN	74.4 309	+iP	00 31 22.5 0.5
		PMZ	m <sub>B</sub> =6.0 6.0 0.94
		eS	00 40 57.0 1.4
		SMN	m <sub>B</sub> =5.8 11.0 0.80
		LE	Ms=5.9 22.0 4.20
SNY	74.8 323	+P	00 31 23.8 -0.3
		S	00 41 00.0 1.9
		SKS	00 41 24.0 -2.4
		LN	Ms=5.6 20.0 1.69
		LE	24.0 1.54
CN2	75.0 326	-P	00 31 24.4 -1.1
		PMZ	m <sub>B</sub> =6.0 5.0 0.90
		epP	00 31 28.0 -3.4

1986 2 23  
 O = 22 32 48.7 ± 0.44s  
 LAT = 24.15 S ± 2.63km  
 LONG = 70.39 W ± 0.71km  
 DEPTH = 56 km ± 3.86km





WHN	43.0	360	+iP	01 34 56.0	0.1		
			S	01 41 18.0	-0.5		
			SME	$m_B = 6.6$	5.0	4.63	
			LE	$M_s = 4.7$	10.0	0.31	
SSE	44.0	8	eP	01 35 05.0	1.0		
			epP	01 35 15.0	1.8		
			S	01 41 34.0	0.9		
			esS	01 41 51.0	1.8		
			eScS	01 45 00.0	2.8		
			LN	$M_s = 4.7$	20.0	0.66	
CD2	44.6	347	eP	01 35 09.4	0.5		
			S	01 41 40.0	-1.7		
NJ2	44.7	5	eP	01 35 09.5	0.0		
XAN	46.8	354	-iP	01 35 26.0	-0.3		
			S	01 42 10.0	-3.1		
LSA	47.9	332	-P	01 35 34.5	-0.5		
TIA	48.7	3	eP	01 35 40.0	-1.2		
			eS	01 42 39.0	-2.2		
			LE	$M_s = 5.0$	16.0	0.83	
LZH	49.6	349	eP	01 35 48.0	-0.1		
			PMZ		1.5	0.070	
TIY	50.2	358	P	01 35 52.2	-0.5		
DL2	51.8	7	eP	01 36 08.0	3.6		
BJI	52.5	2	eP	01 36 09.5	-0.5		
BTO	53.2	356	eP	01 36 15.0	-0.4		
HHC	53.4	357	-P	01 36 16.0	-0.6		
SNY	54.9	8	+P	01 36 25.6	-2.0		
CN2	57.1	9	eP	01 36 41.6	-2.0		
MDJ	58.7	12	eP	01 36 53.5	-0.9		
WMQ	61.4	338	+iP	01 37 13.0	-0.2		
			eS	01 45 33.0	2.1		
			LE	$M_s = 5.1$	22.0	0.90	
KSH	63.2	327	eP	01 37 28.0	3.0		
			S	01 45 56.0	4.5		
			SMN	$m_B = 5.8$	5.0	0.60	

1986 2 24  
 O = 02 18 20.5 ± 0.08s  
 LAT = 37.08 N ± 2.25km  
 LONG = 141.67 E ± 1.50km  
 DEPTH = 55 km ± 1.39km  
 STATIONS USED = 40, STAND DEV = 1.79s  
 $M_s = 4.1 / 2,$

MDJ	11.8	313	eP	02 21 13.5	4.2		
CN2	14.1	304	eP	02 21 35.4	-3.1		
SNY	14.8	294	eP	02 21 47.9	0.2		
NJ2	19.4	262	eP	02 22 44.0	-1.4		
TIA	19.7	275	eP	02 22 45.9	-2.5		
BJI	20.1	286	eP	02 22 51.5	-1.4		
TIY	23.2	280	P	02 23 23.1	-0.6		

			LE	$M_s = 4.2$	14.0	0.37	
WHN	23.6	262	eP	02 23 25.0	-2.2		
BTO	24.8	288	eP	02 23 39.8	0.2		
XAN	26.7	273	P	02 23 57.0	-0.4		
GYA	31.4	260	-P	02 24 39.4	0.0		
CD2	31.9	270	eP	02 24 42.2	-1.0		
GTA	32.7	287	eP	02 24 50.8	-0.1		
KMI	35.2	261	-P	02 25 12.5	0.7		
WMQ	41.0	297	+P	02 26 02.3	1.9		
LSA	42.4	275	eP	02 26 12.3	0.0		

1986 2 24  
 O = 02 31 26.3 ± 0.06s  
 LAT = 1.72 N ± 0.91km  
 LONG = 127.46 E ± 1.44km  
 DEPTH = 117 km ± 0.09km  
 STATIONS USED = 73, STAND DEV = 0.87s

				$m_B = 5.4 / 5$			
QZN	24.4	316	+iP	02 36 34.8	-0.2		
			SME	$m_B = 5.4$	9.0	0.80	
QZH	24.6	340	-iP	02 36 37.5	0.1		
			PMZ		3.0	1.35	
			iS	02 40 51.5	3.8		
			SME	$m_B = 5.2$	8.0	0.44	
GZH	25.3	328	P	02 36 43.0	-0.6		
			eS	02 41 07.0	8.5		
			SMN	$m_B = 5.5$	5.0	0.68	
			SME		8.0	0.91	
SSE	29.8	349	P	02 37 25.0	0.2		
			PMZ		1.0	0.020	
			eS	02 42 13.0	1.2		
			eSS	02 43 58.0	2.4		
NJ2	31.2	346	+P	02 37 38.0	0.6		
WHN	31.2	338	P	02 37 38.3	0.9		
			PMZ	$m_B = 5.8$	4.0	0.65	
			iS	02 42 38.0	3.7		
			LN		8.0	0.35	
			LE		8.0	0.40	
GYA	31.7	323	P	02 37 41.2	-0.2		
			S	02 42 42.0	1.5		
			ScP	02 44 03.6	2.7		
KMI	33.3	316	-P	02 37 56.0	0.4		
TIA	35.6	346	eP	02 38 14.5	-0.6		
XAN	36.5	334	-iP	02 38 22.4	-0.3		
			PMZ		1.2	0.29	
			S	02 43 54.0	-1.1		
			ScP	02 44 20.4	2.4		
CD2	36.7	325	-iP	02 38 24.1	0.0		
			PMZ		1.2	0.10	
TIY	38.4	341	P	02 38 38.7	0.4		







DEPTH = 32 km ± 0.35km						SMN	$m_B = 5.1$	8.0	0.28					
STATIONS USED = 7, STAND DEV = 1.27s						SME		8.0	0.35					
BJI	35.4	330	cP	21 19 01.0	-0.3	TIY	25.6	299	P	01 54 55.0	0.0			
GTA	44.8	316	P	21 20 20.2	0.9	(S)				01 59 18.0	-0.1			
1986 2 25						sS				01 59 35.0	-0.2			
O = 01 29 48.6 ± 0.07s						LE	$M_S = 3.9$	9.0	0.11					
LAT = 36.47 S ± 1.08km						HHC				01 55 08.8	-0.4			
LONG = 52.40 E ± 1.23km						XAN				01 55 14.5	-1.4			
DEPTH = 9 km ± 0.20km						BTO				01 55 19.0	0.4			
STATIONS USED = 16, STAND DEV = 1.12s						cS				02 00 04.5	4.5			
GYA	80.8	47	P	01 42 05.0	-0.1	CD2	32.3	284	cP	01 55 55.4	0.5			
CD2	82.5	43	cP	01 42 13.6	-0.4	GTA	35.7	299	P	01 56 22.6	-1.3			
WMQ	86.1	25	P	01 42 31.2	-0.9	WMQ	45.0	305	P	01 57 41.5	0.2			
LZH	86.6	39	cP	01 42 34.5	0.0	1986 2 25								
GTA	87.2	35	P	01 42 36.8	-0.9	O = 10 39 31.7 ± 0.11s								
XAN	87.7	44	cP	01 42 39.4	-0.6	LAT = 27.97 N ± 2.56km								
1986 2 25						LONG = 140.71 E ± 2.52km								
O = 01 49 27.1 ± 0.13s						DEPTH = 43 km ± 1.15km								
LAT = 28.06 N ± 2.43km						STATIONS USED = 15, STAND DEV = 2.38s								
LONG = 140.82 E ± 2.60km						BJI	23.6	307	P	10 44 39.0	-0.3			
DEPTH = 40 km ± 0.70km						TIY	25.6	300	c(P)	10 45 01.0	2.1			
STATIONS USED = 31, STAND DEV = 2.58s						HHC	27.1	306	cP	10 45 11.0	-2.3			
$M_S = 4.2 / 7,$						XAN	27.8	291	cP	10 45 18.5	-1.2			
$m_B = 5.3 / 10$						CD2	32.2	284	(P)	10 46 01.0	2.4			
SSE	17.3	285	P	01 53 25.0	-3.0	GTA	35.6	299	P	10 46 26.5	-1.4			
			PMZ	$m_B = 5.1$	8.0	0.71	WMQ	45.0	305	P	10 47 44.3	-1.0		
			LE	$M_S = 4.1$	10.0	0.39	1986 2 25							
DL2	19.3	309	P	01 53 51.0	-0.5	O = 15 04 43.9 ± 0.15s								
			S	01 57 25.0	4.3	LAT = 39.41 N ± 2.11km								
NJ2	19.4	287	+P	01 53 54.5	1.5	LONG = 73.05 E ± 1.85km								
			PMZ	$m_B = 5.3$	5.0	0.80	DEPTH = 20 km							
			S	01 57 32.5	8.8	STATIONS USED = 23, STAND DEV = 3.05s								
			SMN	$m_B = 5.0$	8.0	0.50	$M_L = 4.2 / 3,$							
			sS	01 57 42.5	4.2	KSH	2.3	88	iPn	15 05 26.3	5.2			
			LN	$M_S = 4.5$	9.0	0.60			Sg	15 05 58.8	3.5			
SNY	19.7	319	cP	01 53 55.0	-0.6				SMN	$M_L = 4.3$	0.3	2.17		
CN2	20.0	326	+P	01 53 56.0	-3.3				SME		0.6	2.28		
			cS	01 57 31.0	-5.9				WMQ	11.8	63	P	15 07 33.5	-1.3
TIA	21.6	298	cP	01 54 14.8	-1.1				S	15 09 44.5	-2.2			
			PMZ	$m_B = 5.4$	4.0	0.82			LG <sub>2</sub>	15 11 05.0	-8.7			
			cS	01 58 11.0	3.1				LN		2.0	0.060		
			LE	$M_S = 4.3$	10.0	0.38			GTA	20.7	81	+iP	15 09 25.7	0.0
WHN	23.2	283	cP	01 54 34.0	2.4				CD2	26.4	99	cP	15 10 22.9	1.3
			PMZ	$m_B = 5.4$	5.0	0.95	1986 2 26							
			PP	01 55 10.0	7.8		O = 00 39 07.5 ± 0.10s							
			sS	01 58 49.0	-4.5		LAT = 1.75 S ± 1.14km							
			LN	$M_S = 4.4$	12.0	0.53	LONG = 134.31 E ± 1.98km							
BJI	23.6	307	cP	01 54 34.0	-1.2									
			cS	01 58 50.0	6.7									

February, 1986

DEPTH = 33 km ± 0.09km  
STATIONS USED = 61, STAND DEV = 1.28s  
Ms = 4.8 / 11,

QZH	30.6	331	cP	00 45 20.0	-0.9		
			S	00 50 22.0	3.0		
			LN	Ms=4.5	10.0	0.35	
QZN	31.7	312	+P	00 45 36.2	5.5		
			cS	00 50 42.0	4.9		
			LN	Ms=4.8	13.0	0.91	
SSE	35.0	340	-P	00 45 59.5	0.5		
			PMZ			1.0	0.030
			cS	00 51 24.0	-3.9		
			cSS	00 53 45.0	2.4		
			LN	Ms=4.8	14.0	0.70	
NJ2	36.7	338	+P	00 46 14.7	1.3		
			LN	Ms=5.0	13.0	0.97	
KM1	40.6	313	-P	00 46 47.0	0.5		
TIA	41.0	339	P	00 46 49.0	-0.7		
			cS	00 53 05.0	5.0		
			LN	Ms=4.9	22.0	1.07	
			LE			22.0	0.67
XAN	42.9	328	-P	00 47 04.7	-0.2		
			S	00 53 28.5	2.4		
			LN	Ms=4.8	14.0	0.54	
CD2	43.6	321	cP	00 47 11.0	0.3		
TIY	44.2	335	+iP	00 47 16.0	0.4		
			S	00 53 46.0	0.8		
			LE	Ms=4.3	13.0	0.17	
BJI	44.8	340	cP	00 47 19.5	-0.7		
			cS	00 54 00.0	5.2		
CN2	46.0	351	+P	00 47 29.0	-1.3		
MDJ	46.3	355	cP	00 47 32.5	-0.3		
LZH	47.1	326	-P	00 47 40.5	1.3		
			PMZ			2.0	0.13
HHC	47.2	336	+P	00 47 39.2	-0.3		
BTO	47.6	335	cP	00 47 42.5	-0.4		
			cS	00 54 35.0	-0.6		
GTA	51.8	326	P	00 48 14.2	-0.4		
WMQ	61.6	323	+iP	00 49 24.4	-0.2		
			S	00 57 48.0	6.4		
			SMN			2.5	0.060
			sS	00 57 56.0	-2.7		
KSH	67.2	314	-P	00 50 02.6	1.2		

1986 2 26  
O = 01 56 56.8 ± 0.11s  
LAT = 30.28 N ± 1.19km  
LONG = 106.99 E ± 1.29km  
DEPTH = 8 km ± 0.06km  
STATIONS USED = 12, STAND DEV = 3.77s

ML = 3.7 / 7,

CD2	2.9	283	cPn	01 57 43.4	0.4		
			Pg	01 57 49.0	1.9		
			Sn	01 58 18.2	-1.2		
			Sg	01 58 25.0	-1.2		
			SMN	ML=3.6	0.9	0.25	
			SME		1.0	0.30	
GYA	3.8	184	Pn	01 57 59.0	2.6		
			Pg	01 58 11.0	6.8		
			Sn	01 58 44.0	0.6		
			Sg	01 59 03.0	6.5		
			SMN	ML=3.5	1.0	0.11	
			SME		1.0	0.10	
XAN	4.1	23	Pn	01 58 03.0	3.1		
			Pg	01 58 12.8	3.9		
			Sn	01 58 49.6	-0.3		
			Sg	01 59 06.0	1.2		
			SMN	ML=3.7	1.0	0.19	
			SME		1.0	0.12	
LZH	6.4	336	cPn	01 58 34.0	2.7		
			cSn	01 59 48.3	2.1		
			SMN	ML=4.2	1.5	0.10	
			SME		1.5	0.16	

1986 2 26  
O = 04 55 29.3 ± 0.06s  
LAT = 41.92 N ± 1.70km  
LONG = 142.42 E ± 1.15km  
DEPTH = 70 km ± 0.73km  
STATIONS USED = 68, STAND DEV = 1.43s  
Ms = 4.1 / 4,

MDJ	9.7	290	-P	04 57 52.0	3.0		
CN2	12.6	284	+P	04 58 28.9	1.4		
			cS	05 00 52.0	5.3		
			LE	Ms=4.0	10.0	0.50	
SNY	14.0	276	cP	04 58 48.6	2.2		
DL2	16.1	266	P	04 59 14.6	1.6		
BJI	19.9	273	cP	04 59 55.5	-2.2		
SSE	20.1	244	cP	05 00 00.8	0.3		
			csS	05 03 56.0	-3.2		
			LE	Ms=4.2	16.0	0.57	
TIA	20.4	262	cP	05 00 01.2	-2.1		
			LN	Ms=4.2	23.0	0.57	
			LE		28.0	0.59	
NJ2	21.2	250	-P	05 00 09.8	-1.3		
HHC	23.1	278	P	05 00 28.8	-1.5		
TIY	23.4	270	P	05 00 31.5	-1.0		
BTO	24.3	278	cP	05 00 41.4	-0.5		
WHN	25.2	252	P	05 00 50.1	-0.3		
XAN	27.4	264	cP	05 01 09.5	-1.3		





LZH	30.4	272	cP	05 01 37.0	-0.2		
CD2	32.7	263	cP	05 01 56.8	-1.2		
GYA	33.1	254	P	05 02 00.4	-0.6		
QZN	35.8	240	cP	05 02 27.4	2.9		
WMQ	39.5	292	-P	05 02 56.0	0.5		
KSH	49.3	291	cP	05 04 15.0	1.3		

1986 2 26  
 O=07 01 30.5 ± 0.05s  
 LAT=38.48 N ± 0.44km  
 LONG=104.12 E ± 0.42km  
 DEPTH= 10 km ± 0.11km  
 STATIONS USED = 5, STAND DEV = 2.80s  
 M<sub>L</sub>=2.9 / 4,

LZH	2.4	185	cPn	07 02 12.5	2.0		
			Sn	07 02 43.0	1.3		
			SME	M <sub>L</sub> =3.1	1.0	0.12	
GTA	3.5	287	Pg	07 02 31.5	-0.7		
			Sg	07 03 15.7	-3.9		
			SMN	M <sub>L</sub> =2.7	0.8	0.021	
			SME		0.6	0.025	

1986 2 26  
 O=08 01 55.0 ± 0.07s  
 LAT=28.39 N ± 1.22km  
 LONG=140.63 E ± 1.11km  
 DEPTH= 37 km ± 0.29km  
 STATIONS USED = 65, STAND DEV = 1.09s  
 M<sub>s</sub>=4.8 / 25, m<sub>B</sub>=5.7 / 25

SSE	17.1	284	-P	08 05 52.0	-1.0		
			PMZ	m <sub>B</sub> =5.6	6.0	1.80	
			cS	08 09 08.0	7.6		
			sS	08 09 12.0	-1.3		
			SS	08 09 21.0	-0.1		
			LN	M <sub>s</sub> =4.6	10.0	1.11	
MDJ	18.4	334	-P	08 06 10.0	0.4		
DL2	18.9	309	-iP	08 06 15.0	-0.8		
			PMZ	m <sub>B</sub> =5.7	6.0	2.15	
			SMN	m <sub>B</sub> =5.9	7.0	1.63	
			SME		7.0	3.28	
NJ2	19.2	286	-P	08 06 18.0	-0.2		
			PMZ	m <sub>B</sub> =6.0	6.0	4.30	
			LN	M <sub>s</sub> =4.9	10.0	1.80	
SNY	19.3	318	+iP	08 06 20.4	0.6		
			PMZ	m <sub>B</sub> =5.4	5.0	1.05	
			pP	08 06 29.3	1.2		
			sS	08 10 05.5	2.3		
			SS	08 10 18.5	2.6		
			LN	M <sub>s</sub> =4.9	11.0	1.30	
			LE		10.0	1.32	

CN2	19.6	326	-P	08 06 21.0	-2.3		
			PMZ	m <sub>B</sub> =5.3	5.0	0.70	
			cS	08 09 53.0	-4.4		
			SMN	m <sub>B</sub> =5.5	7.0	1.30	
			LN	M <sub>s</sub> =4.9	10.0	1.80	
QZH	20.0	265	+iP	08 06 29.5	2.2		
			PMZ	m <sub>B</sub> =5.4	6.0	1.08	
			PP	08 06 48.0	1.6		
			S	08 10 03.5	-0.9		
			SMN	m <sub>B</sub> =5.4	6.5	1.01	
			LN	M <sub>s</sub> =4.3	9.0	0.42	
TIA	21.3	297	-P	08 06 41.1	0.1		
			PMZ	m <sub>B</sub> =5.9	5.0	2.70	
			S	08 10 39.0	9.1		
			SMN	m <sub>B</sub> =5.7	7.0	0.79	
			SME		6.0	1.58	
			LE	M <sub>s</sub> =4.6	10.5	0.90	
WHN	23.0	282	cP	08 06 59.0	1.6		
			PMZ	m <sub>B</sub> =5.8	6.0	2.70	
			PP	08 07 33.0	6.0		
			sS	08 11 16.0	-0.8		
			LN	M <sub>s</sub> =5.0	10.0	1.48	
			LE		9.0	1.12	
BJI	23.2	306	cP	08 07 00.0	-0.1		
			SMN	m <sub>B</sub> =5.8	7.0	1.94	
			SME		9.0	1.45	
			LN	M <sub>s</sub> =4.9	14.0	1.37	
			LE		11.0	0.84	
GZH	25.1	264	+P	08 07 20.0	1.8		
			PMZ	m <sub>B</sub> =5.8	6.0	1.41	
			cS	08 11 44.0	6.2		
			SME	m <sub>B</sub> =5.6	9.0	1.46	
TIY	25.3	299	P	08 07 20.0	-0.2		
			PP	08 08 01.5	2.8		
			S	08 11 49.0	8.5		
			LE	M <sub>s</sub> =4.4	11.0	0.37	
HHC	26.8	305	P	08 07 34.0	-0.3		
			S	08 12 05.0	-0.3		
			LN	M <sub>s</sub> =4.8	12.0	0.95	
XAN	27.6	290	cP	08 07 40.4	-1.2		
			PMZ	m <sub>B</sub> =6.2	6.0	2.87	
			S	08 12 24.0	5.7		
			SME	m <sub>B</sub> =5.1	12.0	0.60	
			LN	M <sub>s</sub> =4.7	11.0	0.72	
BTO	27.9	304	+P	08 07 44.0	0.2		
			cS	08 12 24.0	0.8		
			LN	M <sub>s</sub> =4.7	12.0	0.40	
			LE		14.0	0.70	
QZN	29.6	258	cP	08 07 58.0	-1.3		
			cS	08 12 51.0	0.1		



1986 2 26					LONG = 76.95 E ± 1.61km				
O = 16 13 51.3 ± 0.14s					DEPTH = 17 km ± 0.30km				
LAT = 36.76 N ± 1.52km					STATIONS USED = 12, STAND DEV = 3.31s				
LONG = 112.01 E ± 1.34km					M <sub>L</sub> = 4.4 / 3,				
DEPTH = 2 km ± 0.85km					KSH 1.3 217 iPg 02 06 45.0 1.8				
STATIONS USED = 9, STAND DEV = 4.32s					iSg 02 07 03.0 2.7				
M <sub>L</sub> = 3.2 / 6,					SME M <sub>L</sub> = 4.4 0.5 6.60				
TIY 1.0 19 iPg 16 14 11.4 2.1					WMQ 8.7 64 cP 02 08 29.0 0.4				
Sg 16 14 24.0 1.0					S 02 10 10.8 4.3				
SMN M <sub>L</sub> = 3.0 0.8 0.28					LG <sub>1</sub> 02 10 55.8 3.1				
SME 0.5 0.38					LN 1.8 0.090				
XAN 3.7 224 cPn 16 14 52.7 2.8					GTA 17.6 86 cP 02 10 28.0 1.1				
Pg 16 15 02.0 5.3					1986 2 27				
Sn 16 15 37.3 1.2					O = 03 29 50.1 ± 0.09s				
Sg 16 15 49.0 1.6					LAT = 3.10 S ± 1.48km				
SMN M <sub>L</sub> = 3.0 0.6 0.050					LONG = 129.15 E ± 2.12km				
SME 0.6 0.030					DEPTH = 34 km ± 0.27km				
BTO 4.1 338 cPg 16 15 02.4 -2.2					STATIONS USED = 24, STAND DEV = 1.64s				
Sg 16 16 01.0 0.0					GYA 36.6 325 cP 03 36 55.0 -0.1				
TIA 4.2 96 cPg 16 15 07.8 3.0					KMI 38.0 319 +P 03 37 08.5 1.2				
Sn 16 15 45.9 -1.4					XAN 41.6 334 cP 03 37 36.4 -0.4				
cSg 16 16 01.1 -0.4					CD2 41.6 326 cP 03 37 38.0 1.1				
SMN M <sub>L</sub> = 2.9 0.4 0.026					GTA 50.2 330 cP 03 38 49.3 4.1				
SME 0.5 0.017					WMQ 59.7 326 cP 03 39 53.3 -1.0				
BJI 4.6 44 cPg 16 15 13.0 -0.1					1986 2 27				
cSg 16 16 14.0 -2.3					O = 04 09 53.7 ± 0.07s				
SMN M <sub>L</sub> = 4.1 0.5 0.23					LAT = 28.19 N ± 0.93km				
SME 0.5 0.31					LONG = 140.59 E ± 1.33km				
GTA 10.0 289 cP 16 16 17.5 -1.5					DEPTH = 32 km ± 0.22km				
LN 1.5 0.040					STATIONS USED = 7, STAND DEV = 1.80s				
1986 2 27					TIA 21.4 298 cP 04 14 38.5 -2.4				
O = 01 46 32.1 ± 0.11s					XAN 27.7 290 cP 04 15 41.6 0.4				
LAT = 22.11 N ± 1.95km					CD2 32.1 284 cP 04 16 21.1 0.7				
LONG = 143.97 E ± 2.94km					1986 2 27				
DEPTH = 159 km ± 0.36km					O = 06 23 12.8 ± 0.08s				
STATIONS USED = 22, STAND DEV = 2.37s					LAT = 24.08 N ± 1.25km				
SSE 22.2 299 +P 01 51 16.5 0.2					LONG = 122.26 E ± 1.11km				
PMZ 1.0 0.050					DEPTH = 42 km ± 0.55km				
epP 01 51 50.0 2.9					STATIONS USED = 100, STAND DEV = 1.88s				
NJ2 24.4 299 cP 01 51 35.0 -2.3					Ms = 5.8 / 44, M <sub>L</sub> = 4.4 / 3, m <sub>B</sub> = 5.7 / 10				
XAN 33.0 299 cP 01 52 52.0 -2.2					QZH 3.4 285 iP 06 24 04.7 -0.8				
GYA 34.2 285 P 01 53 05.0 0.2					S 06 24 41.9 -2.8				
CD2 36.9 292 cP 01 53 26.1 -1.1					SMN M <sub>L</sub> = 4.1 1.4 0.41				
WMQ 50.9 309 cP 01 55 19.0 -0.3					SME 1.4 0.66				
1986 2 27					LN Ms = 4.8 9.0 18.3				
O = 02 06 20.7 ± 0.13s					LE 9.0 12.7				
LAT = 40.47 N ± 1.92km					SSE 7.0 353 +iP 06 24 54.8 -1.4				

			LG <sub>2</sub>	06 27 04.0	-1.3							SME	m <sub>B</sub> = 5.2				
			LE			Ms = 5.3	8.0	19.8				LG <sub>2</sub>	06 32 22.0	-2.3			
GZH	8.2	265	cP	06 25 11.6	-1.1							ScS	06 39 03.0	1.6			
			S	06 26 39.0	-5.6							LN		Ms = 5.8	12.0	22.8	
			LG <sub>1</sub>	06 27 23.0	-8.5				SNY	17.7	3	+iP	06 27 19.5	1.1			
			LN			Ms = 5.6	10.0	23.2				PMZ		m <sub>B</sub> = 5.9	5.0	2.77	
			LE				12.0	31.5				sP	06 27 36.0	3.6			
NJ2	8.5	340	-iP	06 25 14.3	-1.9							S	06 30 39.0	7.8			
			S	06 26 49.8	-1.1							SME		m <sub>B</sub> = 5.6	11.0	2.91	
			LN			Ms = 5.9	12.0	87.0				LN		Ms = 5.9	12.0	22.7	
WHN	9.5	314	-P	06 25 29.8	-0.7							LE			12.0	8.91	
			cS	06 27 12.0	-4.9				CD2	17.8	297	cP	06 27 18.8	0.1			
			LN			Ms = 5.8	10.0	37.9				PMZ		m <sub>B</sub> = 5.8	12.0	5.40	
			LE				8.0	24.8				cS	06 30 32.0	-0.5			
QZN	12.6	249	cP	06 26 05.8	-6.4							LG <sub>2</sub>	06 33 00.0	1.4			
			S	06 28 23.2	-8.0							LN		Ms = 6.0	8.0	22.0	
			LG <sub>1</sub>	06 29 48.0	-0.4				KMI	17.8	277	+iP	06 27 20.0	0.7			
			LN			Ms = 5.4	13.5	13.9				pP	06 27 24.0	-3.7			
			LE				13.5	10.0				PP	06 27 34.5	1.2			
TIA	12.9	341	cP	06 26 18.0	2.1							cS	06 30 31.0	-2.5			
			sP	06 26 25.0	-4.6							SS	06 30 53.0	-2.3			
			S	06 28 47.0	9.2							LG <sub>2</sub>	06 33 05.0	5.5			
			LN			Ms = 5.6	13.0	17.4				LE		Ms = 6.0	12.0	30.1	
			LE				13.0	14.8	HHC	19.0	334	+P	06 27 34.5	0.8			
GYA	14.3	283	+P	06 26 35.0	0.1							S	06 31 03.0	3.9			
			pP	06 26 38.4	-4.5							LN		Ms = 6.1	14.0	35.0	
			S	06 29 22.0	10.0							LE			14.0	19.4	
			LG <sub>1</sub>	06 30 51.0	8.9												
			LG <sub>2</sub>	06 31 11.0	6.2				BTO	19.4	331	+iP	06 27 39.0	0.5			
			LN			Ms = 5.9	11.0	24.4				PMZ		m <sub>B</sub> = 5.7	8.0	2.80	
			LE				11.0	22.0				S	06 31 13.0	4.2			
DL2	14.8	358	+iP	06 26 43.0	2.0							SMN		m <sub>B</sub> = 5.4	11.0	1.10	
			sP	06 26 50.0	-4.7							SME			11.0	1.00	
			cS	06 29 30.0	6.1							LN		Ms = 6.2	13.0	40.0	
			LG <sub>2</sub>	06 31 18.5	-2.1							LE			11.0	21.1	
XAN	15.3	313	+P	06 26 47.6	-0.1				CN2	19.8	7	-iP	06 27 41.8	-1.3			
			PP	06 27 01.0	1.4							PMZ		m <sub>B</sub> = 5.6	5.0	1.60	
			SS	06 29 58.0	4.6							cS	06 31 15.0	-4.1			
			LG <sub>1</sub>	06 31 12.0	-1.2							SMN		m <sub>B</sub> = 5.7	10.0	1.90	
			LN			Ms = 5.8	9.0	11.9				SME			10.0	2.00	
			LE				13.0	20.5	LZH	19.9	311	+iP	06 27 45.0	1.2			
TIY	16.0	331	+iP	06 26 58.5	2.1							PMZ			2.0	0.95	
			PMZ				1.2	0.24				PP	06 28 04.0	1.6			
			(S)	06 29 56.0	4.3							PPMZ			2.0	0.66	
			LG <sub>1</sub>	06 31 29.0	-5.5							S	06 31 24.0	4.7			
			LG <sub>2</sub>	06 31 59.0	-0.8							SMN			13.0	3.88	
			LN			Ms = 5.9	13.0	27.0				LG <sub>1</sub>	06 33 44.0	6.7			
			LE				12.0	13.3				LG <sub>2</sub>	06 34 18.0	9.2			
BJI	16.7	344	cP	06 27 07.0	1.3							LN		Ms = 5.9	10.0	15.6	
			sP	06 27 19.0	-0.6							LE			12.0	10.8	



LZH	20.1	311	-iP	07 41 31.0	1.6		
			PMZ			2.0	0.17
			eS	07 45 10.0	1.4		
			LG <sub>2</sub>	07 47 54.0	-2.8		
			LN	Ms=5.0		10.0	2.24
MDJ	21.4	14	eP	07 41 42.6	-0.4		
			eS	07 45 38.0	3.8		
GTA	24.5	314	P	07 42 12.8	-1.1		
			PcP	07 45 51.8	-0.6		
			LG <sub>2</sub>	07 50 15.5	-8.7		
			LE	Ms=4.9		13.0	1.59
LSA	28.4	288	-P	07 42 49.4	-0.9		
WMQ	34.6	313	eP	07 43 44.0	-0.3		
KSH	41.9	303	eP	07 44 49.0	3.4		
			LE	Ms=5.1		12.0	0.96

1986 2 27

O=08 05 27.4 ± 0.12s  
 LAT= 1.18 S ± 1.24km  
 LONG=127.14 E ± 2.26km  
 DEPTH= 43 km ± 0.86km  
 STATIONS USED = 13, STAND DEV = 1.15s

CD2	38.9	327	eP	08 12 50.8	-0.2		
LZH	43.0	332	eP	08 13 24.5	-0.2		
WMQ	57.0	327	eP	08 15 10.5	-1.4		

1986 2 28

O=01 03 39.6 ± 0.10s  
 LAT=56.65 S ± 1.92km  
 LONG= 25.90 W ± 2.62km  
 DEPTH= 35 km ± 0.27km  
 STATIONS USED = 10, STAND DEV = 1.98s

TIY	146.6	107	ePKP	01 23 17.0	-0.3		
TIA	147.9	114	ePKP	01 23 21.0	1.7		
BJI	150.3	108	ePKP	01 23 26.5	3.4		

1986 2 28

O=10 17 39.6 ± 0.13s  
 LAT=25.12 N ± 1.32km  
 LONG=122.05 E ± 1.70km  
 DEPTH= 1 km ± 0.43km  
 STATIONS USED = 11, STAND DEV = 2.79s

M <sub>L</sub> =3.6 / 4,							
QZH	3.1	267	ePn	10 18 28.0	-2.5		
			Sn	10 19 08.5	-2.2		
			SMN	M <sub>L</sub> =3.4		1.0	0.22
			SME			0.7	0.080
NJ2	7.5	339	ePn	10 19 26.5	-3.2		
			eSn	10 20 50.5	-6.9		
			LE			1.1	0.14

CD2	17.1	294	eP	10 21 44.2	1.8		
-----	------	-----	----	------------	-----	--	--

1986 2 28

O=10 31 12.6 ± 0.11s  
 LAT=22.04 N ± 1.74km  
 LONG=144.14 E ± 1.99km  
 DEPTH=117 km ± 0.53km  
 STATIONS USED = 43, STAND DEV = 1.80s

SSE	22.4	299	eP	10 36 02.0	-0.2		
			pP	10 36 23.0	-3.0		
			csP	10 36 40.5	0.0		
NJ2	24.6	299	+P	10 36 23.6	0.4		
MDJ	25.5	335	eP	10 36 35.0	2.9		
DL2	25.6	316	eP	10 36 33.0	0.4		
SNY	26.2	324	+P	10 36 37.2	-1.4		
CN2	26.7	329	eP	10 36 45.0	2.3		
TIA	27.4	307	eP	10 36 48.3	-1.1		
XAN	33.1	299	eP	10 37 39.3	-0.9		
GYA	34.4	285	eP	10 37 55.6	4.8		
CD2	37.0	292	eP	10 38 10.4	-2.9		
LZH	37.6	301	eP	10 38 17.5	-0.8		
GTA	41.4	305	eP	10 38 49.0	-0.5		

1986 2 28

O=14 24 25.2 ± 0.10s  
 LAT=24.10 N ± 1.03km  
 LONG=121.86 E ± 0.78km  
 DEPTH= 46 km ± 1.56km  
 STATIONS USED = 11, STAND DEV = 2.63s

M <sub>L</sub> =3.6 / 3,							
QZH	3.1	286	eP	14 25 10.7	-2.2		
			S	14 25 42.2	-5.7		
			SMN	M <sub>L</sub> =3.5		0.3	0.27
			SME			0.4	0.11
GZH	7.9	264	e(P)	14 26 25.0	5.0		

1986 2 28

O=15 33 57.1 ± 0.05s  
 LAT=19.51 S ± 2.45km  
 LONG=172.82 W ± 1.53km  
 DEPTH= 35 km ± 0.63km  
 STATIONS USED = 16, STAND DEV = 1.35s

CN2	84.6	320	eP	15 46 29.0	0.0		
BJI	88.7	313	eP	15 46 49.5	0.5		
TIY	90.3	310	eP	15 46 59.0	2.2		
BTO	93.2	312	eP	15 47 11.0	0.9		

1986 2 28

O=16 41 29.7 ± 0.04s  
 LAT=28.49 N ± 0.68km

LONG = 95.24 E	± 0.39km							LN	Ms = 5.3	10.0	4.20
DEPTH = 15 km	± 0.01km							LE		10.0	6.60
STATIONS USED = 7,	STAND DEV = 2.75s							TIY	15.0 229	cP	17 11 02.6 2.3
LSA	3.8 290	iPn	16 42 30.2	1.7				PMZ			1.2 0.14
		Sn	16 43 16.5	2.3				LG <sub>1</sub>	17 15 10.0	-8.2	
CD2	7.8 70	Pn	16 43 26.3	3.2				LN	Ms = 5.4	9.0	2.34
GYA	10.3 99	cP	16 44 00.6	-0.5				LE		10.0	7.41
1986 2 28								NJ2	17.6 202	+P	17 11 36.9 4.2
O = 17 07 25.5	± 0.09s							cS	17 14 50.0	3.1	
LAT = 48.64 N	± 1.43km							LE	Ms = 5.1	11.0	4.00
LONG = 126.68 E	± 1.43km							SSE	18.0 195	cP	17 11 40.5 2.6
DEPTH = 10 km	± 0.32km							cS	17 14 57.0	0.6	
STATIONS USED = 57,	STAND DEV = 1.96s							sS	17 15 08.0	4.0	
Ms = 5.3 / 28,	M <sub>L</sub> = 5.2 / 6,	m <sub>B</sub> = 5.2 / 2						SS	17 15 20.0	1.4	
MDJ	4.5 152	Pn	17 08 34.8	0.7				LN	Ms = 5.5	12.0	4.47
		Pg	17 08 49.9	5.0				LE		12.0	9.05
		Sn	17 09 28.0	-0.5				XAN	19.7 229	+P	17 11 57.4 -0.6
		Sg	17 09 48.5	2.1				cS	17 15 42.0	7.4	
		SMN	M <sub>L</sub> = 5.7	1.0	11.3			LG <sub>1</sub>	17 17 50.0	5.9	
CN2	4.9 190	Pn	17 08 39.2	-0.6				LG <sub>2</sub>	17 18 20.0	4.7	
		Pg	17 09 01.5	9.2				LN	Ms = 5.5	10.0	5.46
		Sn	17 09 33.5	-5.3				LE		10.0	3.37
		Sg	17 10 00.0	0.5				WHN	20.4 212	P	17 12 06.0 0.7
		SMN		4.0	23.0			PMZ	m <sub>B</sub> = 5.3	5.0	0.63
		SME		4.0	38.0			cS	17 15 54.0	5.3	
SNY	7.2 199	-Pn	17 09 09.7	-0.9				LN	Ms = 5.2	10.0	2.59
		Sg	17 11 09.6	0.0				LE		15.0	3.57
		LN	Ms = 5.5	8.0	15.6			LZH	20.9 242	cP	17 12 13.5 2.2
		LE		8.0	25.2			PMZ		1.5	0.19
DL2	10.4 202	cP	17 09 51.5	-6.4				cS	17 16 00.5	0.5	
		LG <sub>1</sub>	17 12 54.5	2.6				SMN	m <sub>B</sub> = 5.2	7.0	0.84
		LN	Ms = 5.3	7.0	5.60			LN	Ms = 5.4	10.0	3.60
		LE		13.0	15.5			LE		10.0	3.80
BJI	11.4 225	cP	17 10 11.0	-0.9				GTA	21.3 254	-P	17 12 14.7 -0.5
		LG <sub>1</sub>	17 13 26.0	2.0				cS	17 16 11.0	3.6	
		LN	Ms = 5.2	12.0	8.17			LG <sub>1</sub>	17 18 27.0	-8.1	
		LE		12.0	5.43			LG <sub>2</sub>	17 18 59.0	-9.8	
HHC	13.3 240	cP	17 10 40.0	3.2				LN	Ms = 5.1	10.0	2.49
		LG <sub>1</sub>	17 14 26.0	4.1				CD2	24.8 233	cP	17 12 49.8 0.2
		LG <sub>2</sub>	17 14 40.0	-2.9				S	17 17 09.0	0.2	
		LN	Ms = 5.3	10.0	7.07			LE	Ms = 5.2	9.0	2.20
		LE		10.0	6.35			GYA	27.1 222	P	17 13 10.8 0.0
TIA	14.3 213	cP	17 10 48.5	-1.5				S	17 17 39.0	-7.2	
		LG <sub>2</sub>	17 15 20.0	3.7				LN	Ms = 5.1	14.0	1.40
		LN	Ms = 5.0	10.0	1.59			LE		14.0	1.90
		LE		12.0	4.66			WMQ	27.2 275	P	17 13 13.5 1.8
BTO	14.3 242	cP	17 10 50.5	-0.2				(S)	17 17 44.0	-4.9	
		LG <sub>1</sub>	17 14 48.0	-7.1				LN	Ms = 5.7	11.0	6.77
		LG <sub>2</sub>	17 15 09.0	-8.8				KMI	30.1 227	+P	17 13 36.0 -1.7
								cS	17 18 30.0	-5.1	

February, 1986



	LN		Ms = 5.4	12.0	3.30
QZN	32.5	211	cP	17 14 03.0	3.8
			eS	17 19 10.0	-3.5
			SS	17 21 16.0	7.6
	LN		Ms = 5.2	13.0	1.80
	LE			12.0	1.20

SNY	23.9	324	+iP	22 52 46.4	-0.2
CN2	24.4	329	cP	22 52 47.0	-4.2
TIA	25.1	306	cP	22 52 58.0	-0.1
WHN	25.8	291	cP	22 53 08.5	3.7
BJI	27.5	313	(P)	22 53 19.5	0.0
XAN	31.0	297	cP	22 53 50.0	-0.9
HHC	31.0	311	cP	22 53 48.0	-3.0
GTA	39.2	304	P	22 55 00.0	-0.7
WMQ	48.8	308	P	22 56 25.3	7.3

1986 2 28

O = 18 17 54.7 ± 0.09s  
 LAT = 8.83 S ± 1.55km  
 LONG = 123.11 E ± 2.02km  
 DEPTH = 33 km ± 0.08km  
 STATIONS USED = 48, STAND DEV = 1.60s

Ms = 4.9 / 2,

GZH	33.1	343	cP	18 24 31.0	0.6
GYA	38.5	336	P	18 25 18.4	1.9
			PcP	18 27 29.6	1.0
KMI	39.2	330	+P	18 25 24.0	2.4
			LE	Ms = 4.8	12.0 0.57
WHN	40.0	348	cP	18 25 30.5	1.8
NJ2	40.9	354	-P	18 25 36.4	0.9
CD2	43.7	336	cP	18 25 59.0	0.5
XAN	44.7	343	-iP	18 26 06.5	-0.5
TIY	47.4	348	cP	18 26 28.0	0.0
LZH	48.2	339	cP	18 26 35.5	0.6
BJI	49.0	353	cP	18 26 39.5	-1.5
LSA	49.1	322	cP	18 26 41.7	-0.5
GTA	52.6	337	cP	18 27 08.4	-0.1
MDJ	53.5	6	cP	18 27 13.6	-1.2
WMQ	61.5	331	P	18 28 11.0	0.0

1986 2 28

O = 20 51 21.8 ± 0.06s  
 LAT = 29.14 N ± 0.92km  
 LONG = 81.78 E ± 0.73km  
 DEPTH = 64 km ± 0.20km  
 STATIONS USED = 12, STAND DEV = 1.50s

LSA	8.2	84	eP	20 53 20.4	-0.6
GTA	18.1	51	cP	20 55 27.9	-2.3
CD2	19.1	79	cP	20 55 44.2	1.8
XAN	23.6	71	cP	20 56 28.6	0.7

1986 2 28

O = 22 47 39.0 ± 0.08s  
 LAT = 23.70 N ± 1.55km  
 LONG = 142.42 E ± 1.70km  
 DEPTH = 83 km ± 0.27km  
 STATIONS USED = 42, STAND DEV = 2.15s

NJ2	22.4	297	cP	22 52 33.5	1.9
MDJ	23.3	336	cP	22 52 41.0	0.1